ALPHA GEOSCIENCE

Geology

Hydrology

Remediation

Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2467934

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Trip Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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, 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, and 1 field 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, and 1 field blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods except for SIM semi-volatile analyses.

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 results for 1,2-dichloropropane, cis-1,3-dichloropropene, trichloroethene, and cyclohexane were qualified as "estimated" (UJ) for all 8 ground water samples, field duplicate, field blank, and trip blank because the 1 of 2 percent recoveries for 1,2-dichloropropane, cis-1,3-dichloropropene, trichloroethane, and cyclohexane were below QC limits, but not below 30% in the associated aqueous LCS/LCSD.

- The "not detected" semi-volatile results for hexachlorocyclopentadiene were qualified as "estimated" (UJ) for the following samples because 2 of 2 percent recoveries for hexachlorocyclopentadiene were below QC limits, but not below 30% for the associated aqueous LCS/LCSD.

MW-1S	MW-2S	MW-3S	MW-6D
MW-7S	MW-8S	FIELD BLANK	DUP

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

- The "not detected" semi-volatile results for hexachlorocyclopentadiene and 2,4-dinitrophenol were qualified as "rejected, unusable" (R) for samples MW-4D and MW-5S because 2 of 2 percent recoveries for hexachlorocyclopentadiene and 2,4-dinitrophenol were below QC limits and below 30% in the aqueous MS/MSD sample.

- All SIM semi-volatile results for target compounds were qualified as "rejected, unusable" (R) for samples MW-4D and MW-5S because samples were associated with a method blank containing detections of all target compounds and 7 above the RLs.

- The "not detected" PFAS results for 13 PFAS were qualified as "estimated" (UJ) for sample MW-5S because 1 of 2 percent recoveries for these 13 PFAS were below QC limits, but not below 30% for the aqueous MS/MSD sample.

- The "not detected" total metal results for antimony were qualified as "estimated" (UJ) for the following samples because 2 of 2 percent recoveries for antimony were below QC limits, but not below 30% for the associated aqueous total spike sample.

MW-1S	MW-2S	MW-4D	MW-6D
MW-7S	MW-8S	FIELD BLANK	DUP

- The positive total metal results for antimony were qualified as "estimated, biased low" (J-) for samples MW-3S and MW-5S because 2 of 2 percent recoveries for antimony were below QC limits, but not below 30% for the associated aqueous total spike sample.

- The positive dissolved metal results for iron were qualified as "estimated, biased high" (J+) for samples MW-1S and MW-5S because 1 of 2 percent recoveries for iron was above QC limits for the associated aqueous dissolved spike sample.

- The positive dissolved metal results for calcium were qualified as "estimated" (J) for all 8 ground water samples, field duplicate, and field blank because the %D for calcium was above the allowable maximum in the associated aqueous dissolved serial dilution sample and results above the RLs.

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

- The positive dissolved and total metal results for copper were qualified as "estimated" (J) for sample MW-2S because the dissolved concentration was greater than the total concentrations plus 10%.

- The general chemistry results for total kjeldahl nitrogen (TKN) and ammonia were qualified as estimated (J) for samples MW-7S and DUP because the relative percent differences for TKN and ammonia were above the allowable maximum for the aqueous field duplicate pair MW-7S/DUP.

- 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.

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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 12:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A08	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 12:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A08	Instrument ID	: VOA130
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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A08	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-02	Date Collected	: 11/18/24 14:33
Client ID	: MW-2S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 13:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A09	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-02	Date Collected	: 11/18/24 14:33
Client ID	: MW-2S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 13:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A09	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L 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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A09	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-03	Date Collected	: 11/18/24 13:31
Client ID	: MW-3S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 13:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A10	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-03	Date Collected	: 11/18/24 13:31
Client ID	: MW-3S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 13:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A10	Instrument ID	: VOA130
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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A10	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-04	Date Collected	: 11/19/24 09:35
Client ID	: MW-4D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 13:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A11	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-04	Date Collected	: 11/19/24 09:35
Client ID	: MW-4D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 13:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A11	Instrument ID	: VOA130
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	UJ
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	7.3	5.0	1.5		
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A11	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 14:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A12	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 14:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A12	Instrument ID	: VOA130
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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A12	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-06	Date Collected	: 11/18/24 15:40
Client ID	: MW-6D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 14:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A13	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-06	Date Collected	: 11/18/24 15:40
Client ID	: MW-6D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 14:32
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A13	Instrument ID	: VOA130
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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A13	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-07	Date Collected	: 11/18/24 14:15
Client ID	: MW-7S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 14:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A14	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-07	Date Collected	: 11/18/24 14:15
Client ID	: MW-7S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 14:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A14	Instrument ID	: VOA130
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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A14	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 15:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A15	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 15:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A15	Instrument ID	: VOA130
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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A15	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-09	Date Collected	: 11/18/24 00:00
Client ID	: DUP	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A18	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-09	Date Collected	: 11/18/24 00:00
Client ID	: DUP	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A18	Instrument ID	: VOA130
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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A18	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-10	Date Collected	: 11/18/24 16:30
Client ID	: FIELD BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 15:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A16	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-10	Date Collected	: 11/18/24 16:30
Client ID	: FIELD BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 15:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A16	Instrument ID	: VOA130
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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A16	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-11	Date Collected	: 11/19/24 00:00
Client ID	: TRIP BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 15:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A17	Instrument ID	: VOA130
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	UJ
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	UJ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-11	Date Collected	: 11/19/24 00:00
Client ID	: TRIP BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 15:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30241124A17	Instrument ID	: VOA130
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	UJ
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	UJ
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-11	**Date Collected**	: 11/19/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A17	**Instrument ID**	: VOA130
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 17:42
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-01	Analyst	: SMZ
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 17:42
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-01	**Analyst**	: SMZ
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	2.3	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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 17:42
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-01	**Analyst**	: SMZ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-02	Date Collected	: 11/18/24 14:33
Client ID	: MW-2S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/23/24 21:56
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-02	Analyst	: EK
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 21:56
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-02	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 21:56
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-02	**Analyst**	: EK
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-03	Date Collected	: 11/18/24 13:31
Client ID	: MW-3S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/23/24 22:18
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-03	Analyst	: EK
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:18
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-03	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:18
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-03	**Analyst**	: EK
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-04	Date Collected	: 11/19/24 09:35
Client ID	: MW-4D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/25/24 23:30
Sample Matrix	: WATER	Date Extracted	: 11/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-04	Analyst	: SMZ
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	R
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-04	Date Collected	: 11/19/24 09:35
Client ID	: MW-4D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/25/24 23:30
Sample Matrix	: WATER	Date Extracted	: 11/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-04	Analyst	: SMZ
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/25/24 23:30
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-04	**Analyst**	: SMZ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/26/24 00:37
Sample Matrix	: WATER	Date Extracted	: 11/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-05	Analyst	: SMZ
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	R
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/26/24 00:37
Sample Matrix	: WATER	Date Extracted	: 11/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-05	Analyst	: SMZ
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 00:37
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-05	**Analyst**	: SMZ
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-06	Date Collected	: 11/18/24 15:40
Client ID	: MW-6D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/23/24 22:41
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-06	Analyst	: EK
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:41
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-06	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:41
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-06	**Analyst**	: EK
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-07	Date Collected	: 11/18/24 14:15
Client ID	: MW-7S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/23/24 23:03
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-07	Analyst	: EK
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:03
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-07	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:03
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-07	**Analyst**	: EK
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/23/24 23:26
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-08	Analyst	: EK
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	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/23/24 23:26
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-08	Analyst	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:26
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-08	**Analyst**	: EK
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-09	Date Collected	: 11/18/24 00:00
Client ID	: DUP	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/23/24 23:48
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-09	Analyst	: EK
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:48
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-09	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:48
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-09	**Analyst**	: EK
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-10	Date Collected	: 11/18/24 16:30
Client ID	: FIELD BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 00:11
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67934-10	Analyst	: EK
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 00:11
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-10	**Analyst**	: EK
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	1.4	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 00:11
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-10	**Analyst**	: EK
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-SIM

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/23/24 21:52
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 67934-01	Analyst	: DV
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	0.05	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	0.12	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	0.05	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	0.08	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	0.04	0.10	0.03	J
87-86-5	Pentachlorophenol	0.19	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-02	Date Collected	: 11/18/24 14:33
Client ID	: MW-2S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/23/24 22:40
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 67934-02	Analyst	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:56
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-03	**Analyst**	: DV
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	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-04	Date Collected	: 11/19/24 09:35
Client ID	: MW-4D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 16:38
Sample Matrix	: WATER	Date Extracted	: 11/24/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 67934-04	Analyst	: KMH
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	R
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U	R
206-44-0	Fluoranthene	ND	0.10	0.03	U	R
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U	R
91-20-3	Naphthalene	0.03	0.10	0.02	JB	R
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U	R
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U	R
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U	R
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U	R
218-01-9	Chrysene	ND	0.10	0.03	U	R
208-96-8	Acenaphthylene	ND	0.10	0.02	U	R
120-12-7	Anthracene	ND	0.10	0.02	U	R
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U	R
86-73-7	Fluorene	ND	0.10	0.03	U	R
85-01-8	Phenanthrene	ND	0.10	0.04	U	R
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U	R
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U	R
129-00-0	Pyrene	ND	0.10	0.04	U	R
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U	R
87-86-5	Pentachlorophenol	ND	0.80	0.06	U	R
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U	R
67-72-1	Hexachloroethane	ND	0.80	0.02	U	R

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

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 16:54
Sample Matrix	: WATER	Date Extracted	: 11/24/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 67934-05	Analyst	: KMH
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	R
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U	R
206-44-0	Fluoranthene	ND	0.10	0.03	U	R
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U	R
91-20-3	Naphthalene	ND	0.10	0.02	U	R
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U	R
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U	R
205-99-2	Benzo(b)fluoranthene	0.03	0.10	0.03	J	R
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U	R
218-01-9	Chrysene	ND	0.10	0.03	U	R
208-96-8	Acenaphthylene	ND	0.10	0.02	U	R
120-12-7	Anthracene	ND	0.10	0.02	U	R
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U	R
86-73-7	Fluorene	ND	0.10	0.03	U	R
85-01-8	Phenanthrene	ND	0.10	0.04	U	R
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U	R
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U	R
129-00-0	Pyrene	ND	0.10	0.04	U	R
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U	R
87-86-5	Pentachlorophenol	ND	0.80	0.06	U	R
118-74-1	Hexachlorobenzene	0.01	0.80	0.01	J	R
67-72-1	Hexachloroethane	ND	0.80	0.02	U	R

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

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:13
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-06	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:29
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-07	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:45
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-08	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 00:01
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-09	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 00:17
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-10	**Analyst**	: DV
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	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
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/25/24 23:38
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252432	**Analyst**	: CSP
Sample Amount	: 2580 ml	**Instrument ID**	: PAH23
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	10.6	14.5	3.28	J

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

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 00:04
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252433	**Analyst**	: CSP
Sample Amount	: 230 ml	**Instrument ID**	: PAH23
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	163	36.8	U

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

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 01:18
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252436	**Analyst**	: CSP
Sample Amount	: 250 ml	**Instrument ID**	: PAH23
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 01:42
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252437	**Analyst**	: CSP
Sample Amount	: 250 ml	**Instrument ID**	: PAH23
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 02:06
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252438	**Analyst**	: CSP
Sample Amount	: 260 ml	**Instrument ID**	: PAH23
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 02:31
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252439	**Analyst**	: CSP
Sample Amount	: 270 ml	**Instrument ID**	: PAH23
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	139	31.4	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 12:19
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-82	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 12:38
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-83	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 12:56
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-84	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 13:14
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-85	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 13:33
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-86	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 14:28
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-89	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 14:46
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-90	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 15:05
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-91	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 15:23
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-92	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 15:42
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-93	**Analyst**	: EJL
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
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:23
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:33
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:42
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:52
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-21	**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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:01
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-22	**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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:29
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:39
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/24/24 16:48
Sample Matrix	: WATER	Date Extracted	: 11/24/24
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: P2241124a-32	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
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

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:48
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-32	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-PesticideII
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**
11097-69-1	Aroclor 1254	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:57
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-33	**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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 17:07
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-34	**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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/26/24 03:34
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18241125b-43	Analyst	: AKM
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	0.009	0.014	0.003	J
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	0.005	0.029	0.003	J
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	0.006	0.029	0.003	J
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 03:34
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-43	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-02	Date Collected	: 11/18/24 14:33
Client ID	: MW-2S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/26/24 03:46
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18241125b-44	Analyst	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 03:46
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-44	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-03	Date Collected	: 11/18/24 13:31
Client ID	: MW-3S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/26/24 03:58
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18241125b-45	Analyst	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 03:58
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-45	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:10
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-46	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:10
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-46	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:22
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-47	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:22
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-47	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-06	Date Collected	: 11/18/24 15:40
Client ID	: MW-6D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/26/24 04:58
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18241125b-50	Analyst	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:58
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-50	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:11
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-51	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:11
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-51	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/26/24 05:23
Sample Matrix	: WATER	Date Extracted	: 11/23/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18241125b-52	Analyst	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:23
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-52	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:35
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-53	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:35
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-53	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:47
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-54	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:47
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-54	**Analyst**	: AKM
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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 22:48
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_22	Analyst	: JW
Sample Amount	: 522.04 g	Instrument ID	: LCMS09
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)	12.4	6.13	0.506	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	13.9	3.06	0.345	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.93	1.53	0.383	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.13	0.873	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	14.3	1.53	0.238	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.16	1.53	0.199	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	8.57	1.53	0.230	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	9.01	1.53	0.130	
335-67-1	Perfluorooctanoic Acid (PFOA)	65.7	1.53	0.253	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.13	4.61	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.774	1.53	0.192	J
375-95-1	Perfluorononanoic Acid (PFNA)	5.86	1.53	0.253	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	32.4	1.53	0.253	
335-76-2	Perfluorodecanoic Acid (PFDA)	2.74	1.53	0.199	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.13	1.17	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.53	0.192	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	0.942	1.53	0.460	J
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.53	0.168	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 22:48
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_22	Analyst	: JW
Sample Amount	: 522.04 g	Instrument ID	: LCMS09
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	0.130	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.49	1.53	0.092	JF
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.16	1.53	0.460	J
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.53	0.207	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.53	0.176	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.53	0.153	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.13	1.53	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.13	0.360	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.53	0.230	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.13	0.421	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.13	0.429	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.53	0.214	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.53	0.337	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.3	1.25	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 22:48
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_22	Analyst	: JW
Sample Amount	: 522.04 g	Instrument ID	: LCMS09
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	1.06	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.06	0.238	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.06	0.345	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.06	0.314	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.06	0.521	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.66	0.513	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.3	4.08	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.3	3.05	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 22:57
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_23	Analyst	: JW
Sample Amount	: 508.92 g	Instrument ID	: LCMS09
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)	0.542	6.29	0.519	J	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.14	0.354	U	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.57	0.393	U	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.29	0.896	U	
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.346	1.57	0.244	J	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.57	0.204	U	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.57	0.236	U	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	0.754	1.57	0.134	J	
335-67-1	Perfluorooctanoic Acid (PFOA)	1.26	1.57	0.259	J	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.29	4.73	U	
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.57	0.196	U	
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.57	0.259	U	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	1.40	1.57	0.259	J	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.57	0.204	U	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.29	1.20	U	
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.57	0.196	U	UJ
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.57	0.472	U	
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.57	0.173	U	UJ

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 22:57
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_23	Analyst	: JW
Sample Amount	: 508.92 g	Instrument ID	: LCMS09
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	1.57	0.134	U	UJ
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.57	0.094	U	UJ
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.57	0.472	U	
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.57	0.212	U	UJ
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.57	0.181	U	UJ
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.57	0.157	U	UJ
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.29	1.57	U	
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.29	0.369	U	
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.57	0.236	U	UJ
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.29	0.432	U	
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.29	0.440	U	UJ
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.57	0.220	U	UJ
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.57	0.346	U	UJ
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.7	1.28	U	UJ

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 22:57
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_23	Analyst	: JW
Sample Amount	: 508.92 g	Instrument ID	: LCMS09
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	15.7	1.08	U	UJ
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.14	0.244	U	
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.14	0.354	U	
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.14	0.322	U	
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.14	0.534	U	
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.86	0.527	U	
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	39.3	4.18	U	
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	39.3	3.13	U	

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-07	Date Collected	: 11/18/24 14:15
Client ID	: MW-7S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:23
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_26	Analyst	: JW
Sample Amount	: 527.13 g	Instrument ID	: LCMS09
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)	7.74	6.07	0.501	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	9.82	3.04	0.341	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.60	1.52	0.379	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.07	0.865	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	9.46	1.52	0.235	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.18	1.52	0.197	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	7.88	1.52	0.228	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	7.03	1.52	0.129	
335-67-1	Perfluorooctanoic Acid (PFOA)	19.5	1.52	0.250	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.07	4.57	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.52	0.190	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.02	1.52	0.250	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	3.78	1.52	0.250	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.52	0.197	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.07	1.16	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.52	0.190	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.52	0.455	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.52	0.167	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-07	Date Collected	: 11/18/24 14:15
Client ID	: MW-7S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:23
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_26	Analyst	: JW
Sample Amount	: 527.13 g	Instrument ID	: LCMS09
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	0.129	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.52	0.091	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.52	0.455	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.52	0.205	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.52	0.174	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.52	0.152	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.07	1.52	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.07	0.357	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.52	0.228	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.07	0.417	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.07	0.425	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.52	0.212	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.52	0.334	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.2	1.24	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-07	Date Collected	: 11/18/24 14:15
Client ID	: MW-7S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:23
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_26	Analyst	: JW
Sample Amount	: 527.13 g	Instrument ID	: LCMS09
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	1.05	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.04	0.235	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.04	0.341	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.04	0.311	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.04	0.516	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.59	0.508	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.9	4.04	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.9	3.02	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:32
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_27	Analyst	: JW
Sample Amount	: 517.07 g	Instrument ID	: LCMS09
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	6.19	0.510	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	11.6	3.09	0.348	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.66	1.55	0.387	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.19	0.882	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	11.0	1.55	0.240	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	0.650	1.55	0.201	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	5.42	1.55	0.232	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	5.15	1.55	0.132	
335-67-1	Perfluorooctanoic Acid (PFOA)	29.6	1.55	0.255	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.19	4.66	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	0.425	1.55	0.193	J
375-95-1	Perfluorononanoic Acid (PFNA)	3.29	1.55	0.255	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	18.1	1.55	0.255	
335-76-2	Perfluorodecanoic Acid (PFDA)	2.45	1.55	0.201	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.19	1.18	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.55	0.193	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.55	0.464	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.55	0.170	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:32
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_27	Analyst	: JW
Sample Amount	: 517.07 g	Instrument ID	: LCMS09
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	1.55	0.132	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	1.33	1.55	0.093	JF
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.55	0.464	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.55	0.209	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.55	0.178	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.55	0.155	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.19	1.55	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.19	0.364	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.55	0.232	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.19	0.425	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.19	0.433	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.55	0.217	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.55	0.340	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.5	1.26	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:32
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_27	Analyst	: JW
Sample Amount	: 517.07 g	Instrument ID	: LCMS09
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	15.5	1.07	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.09	0.240	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.09	0.348	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.09	0.317	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.09	0.526	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.74	0.518	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.7	4.12	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.7	3.08	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-09	Date Collected	: 11/18/24 00:00
Client ID	: DUP	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:41
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_28	Analyst	: JW
Sample Amount	: 558.92 g	Instrument ID	: LCMS09
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)	7.16	5.72	0.472	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	9.44	2.86	0.322	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.38	1.43	0.358	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.72	0.816	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	9.84	1.43	0.222	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.18	1.43	0.186	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	7.00	1.43	0.215	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	6.65	1.43	0.122	
335-67-1	Perfluorooctanoic Acid (PFOA)	19.2	1.43	0.236	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.72	4.31	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.43	0.179	U
375-95-1	Perfluorononanoic Acid (PFNA)	0.880	1.43	0.236	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	3.70	1.43	0.236	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.43	0.186	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.72	1.09	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.43	0.179	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.43	0.429	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.43	0.157	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-09	Date Collected	: 11/18/24 00:00
Client ID	: DUP	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:41
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_28	Analyst	: JW
Sample Amount	: 558.92 g	Instrument ID	: LCMS09
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	1.43	0.122	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.43	0.086	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.43	0.429	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.43	0.193	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.43	0.165	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.43	0.143	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.72	1.43	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.72	0.336	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.43	0.215	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.72	0.394	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.72	0.401	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.43	0.200	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.43	0.315	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.3	1.17	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-09	Date Collected	: 11/18/24 00:00
Client ID	: DUP	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:41
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_28	Analyst	: JW
Sample Amount	: 558.92 g	Instrument ID	: LCMS09
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	14.3	0.988	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.86	0.222	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.86	0.322	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.86	0.293	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.86	0.487	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.16	0.479	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	35.8	3.81	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	35.8	2.85	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-10	Date Collected	: 11/18/24 16:30
Client ID	: FIELD BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:50
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_29	Analyst	: JW
Sample Amount	: 456.21 g	Instrument ID	: LCMS09
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	7.01	0.579	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.51	0.394	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.75	0.438	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	7.01	1.00	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.75	0.272	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.75	0.228	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.75	0.263	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.75	0.149	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.75	0.289	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	7.01	5.28	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.75	0.219	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.75	0.289	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.75	0.289	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.75	0.228	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	7.01	1.34	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.75	0.219	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.75	0.526	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.75	0.193	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-10	Date Collected	: 11/18/24 16:30
Client ID	: FIELD BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:50
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_29	Analyst	: JW
Sample Amount	: 456.21 g	Instrument ID	: LCMS09
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	1.75	0.149	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.75	0.105	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.75	0.526	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.75	0.237	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.75	0.202	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.75	0.175	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	7.01	1.75	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	7.01	0.412	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.75	0.263	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	7.01	0.482	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	7.01	0.491	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.75	0.246	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.75	0.386	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	17.5	1.43	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-10	Date Collected	: 11/18/24 16:30
Client ID	: FIELD BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/23/24 23:50
Sample Matrix	: WATER	Date Extracted	: 12/23/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI09_241223_29	Analyst	: JW
Sample Amount	: 456.21 g	Instrument ID	: LCMS09
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	17.5	1.21	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.51	0.272	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.51	0.394	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.51	0.359	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.51	0.596	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	8.77	0.587	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	43.8	4.66	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	3.78	43.8	3.49	J

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 11/26/24 18:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG2002362.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Total	0.0306	0.0100	0.00327		
7440-36-0	Antimony, Total	0.00125	0.00400	0.00042	J	J-
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U	
7440-39-3	Barium, Total	0.00344	0.00050	0.00017		
7440-41-7	Beryllium, Total	0.00015	0.00050	0.00010	J	
7440-43-9	Cadmium, Total	0.00007	0.00020	0.00005	J	
7440-47-3	Chromium, Total	0.00043	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	0.0361	0.0500	0.0191	J	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Total	0.813	0.0700	0.0242		
7439-96-5	Manganese, Total	0.01271	0.00100	0.00044		J
7440-02-0	Nickel, Total	0.00072	0.00200	0.00055	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	4.76	0.500	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/02/24 19:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: WKP
Lab File ID	: WG2003903.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Total	0.384	0.0100	0.00327		
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UJ
7440-38-2	Arsenic, Total	0.00456	0.00050	0.00016		
7440-39-3	Barium, Total	0.01612	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	43.5	0.100	0.0394		
7440-47-3	Chromium, Total	0.00047	0.00100	0.00017	J	
7440-48-4	Cobalt, Total	0.00050	0.00050	0.00016		
7440-50-8	Copper, Total	0.00079	0.00100	0.00038	J	
7439-89-6	Iron, Total	1.18	0.0500	0.0191		
7439-92-1	Lead, Total	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Total	0.286	0.0700	0.0242		
7439-96-5	Manganese, Total	0.9329	0.00100	0.00044		J
7440-02-0	Nickel, Total	0.00336	0.00200	0.00055		
7440-09-7	Potassium, Total	25.5	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	50.0	0.500	0.0293		
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U	
7440-62-2	Vanadium, Total	0.00290	0.00500	0.00157	J	
7440-66-6	Zinc, Total	0.00475	0.01000	0.00341	J	

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-02	Date Collected	: 11/18/24 14:33
Client ID	: MW-2S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/02/24 19:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: WKP
Lab File ID	: WG2003903.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Total	0.00417	0.0100	0.00327	J	
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UJ
7440-38-2	Arsenic, Total	0.00017	0.00050	0.00016	J	
7440-39-3	Barium, Total	0.01748	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	52.9	0.100	0.0394		
7440-47-3	Chromium, Total	0.00147	0.00100	0.00017		
7440-48-4	Cobalt, Total	0.00026	0.00050	0.00016	J	
7440-50-8	Copper, Total	0.00129	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	4.61	0.0700	0.0242		
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	8.81	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	5.10	0.500	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-03	Date Collected	: 11/18/24 13:31
Client ID	: MW-3S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/02/24 19:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: WKP
Lab File ID	: WG2003903.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Total	0.00797	0.0100	0.00327	J	
7440-36-0	Antimony, Total	0.00066	0.00400	0.00042	J	J-
7440-38-2	Arsenic, Total	0.00066	0.00050	0.00016		
7440-39-3	Barium, Total	0.1184	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	103.	0.100	0.0394		
7440-47-3	Chromium, Total	0.00042	0.00100	0.00017	J	
7440-48-4	Cobalt, Total	0.00115	0.00050	0.00016		
7440-50-8	Copper, Total	0.00283	0.00100	0.00038		
7439-89-6	Iron, Total	0.0626	0.0500	0.0191		
7439-92-1	Lead, Total	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Total	9.28	0.0700	0.0242		
7439-96-5	Manganese, Total	0.02365	0.00100	0.00044		
7440-02-0	Nickel, Total	0.00084	0.00200	0.00055	J	
7440-09-7	Potassium, Total	31.4	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	30.7	0.500	0.0293		
7440-28-0	Thallium, Total	0.00033	0.00100	0.00014	J	
7440-62-2	Vanadium, Total	0.00297	0.00500	0.00157	J	
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U	

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-04	Date Collected	: 11/19/24 09:35
Client ID	: MW-4D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/02/24 19:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: WKP
Lab File ID	: WG2003903.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Total	0.0187	0.0100	0.00327		
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UJ
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U	
7440-39-3	Barium, Total	0.07158	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	19.6	0.100	0.0394		
7440-47-3	Chromium, Total	0.00453	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	0.0513	0.0500	0.0191		
7439-92-1	Lead, Total	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Total	11.7	0.0700	0.0242		
7439-96-5	Manganese, Total	0.00428	0.00100	0.00044		
7440-02-0	Nickel, Total	0.00211	0.00200	0.00055		
7440-09-7	Potassium, Total	1.43	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	79.9	0.500	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 12/02/24 18:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,6020B	**Analyst**	: WKP
Lab File ID	: WG2003903.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 11/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-70-2	Calcium, Total	3.48	0.100	0.0394	
7440-09-7	Potassium, Total	0.733	0.100	0.0309	

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-06	Date Collected	: 11/18/24 15:40
Client ID	: MW-6D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/02/24 20:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: WKP
Lab File ID	: WG2003903.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Total	0.261	0.0100	0.00327		
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UJ
7440-38-2	Arsenic, Total	0.00059	0.00050	0.00016		
7440-39-3	Barium, Total	0.05890	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	86.9	0.100	0.0394		
7440-47-3	Chromium, Total	0.02308	0.00100	0.00017		
7440-48-4	Cobalt, Total	0.00091	0.00050	0.00016		
7440-50-8	Copper, Total	0.00451	0.00100	0.00038		
7439-89-6	Iron, Total	0.869	0.0500	0.0191		
7439-92-1	Lead, Total	0.00060	0.00100	0.00034	J	
7439-95-4	Magnesium, Total	21.2	0.0700	0.0242		
7439-96-5	Manganese, Total	2.230	0.00100	0.00044		
7440-02-0	Nickel, Total	0.01319	0.00200	0.00055		
7440-09-7	Potassium, Total	23.1	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	
7440-23-5	Sodium, Total	35.3	0.500	0.0293		
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U	
7440-62-2	Vanadium, Total	0.00200	0.00500	0.00157	J	
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U	

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-07	Date Collected	: 11/18/24 14:15
Client ID	: MW-7S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/02/24 20:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: WKP
Lab File ID	: WG2003903.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Total	0.00407	0.0100	0.00327	J	
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UJ
7440-38-2	Arsenic, Total	0.00022	0.00050	0.00016	J	
7440-39-3	Barium, Total	0.09536	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	97.1	0.100	0.0394		
7440-47-3	Chromium, Total	0.00055	0.00100	0.00017	J	
7440-48-4	Cobalt, Total	0.00032	0.00050	0.00016	J	
7440-50-8	Copper, Total	0.00161	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	11.1	0.0700	0.0242		
7439-96-5	Manganese, Total	0.6885	0.00100	0.00044		
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U	
7440-09-7	Potassium, Total	17.6	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	18.9	0.500	0.0293		
7440-28-0	Thallium, Total	0.00077	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/02/24 20:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: WKP
Lab File ID	: WG2003903.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Total	0.00564	0.0100	0.00327	J	
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U	UJ
7440-38-2	Arsenic, Total	0.00023	0.00050	0.00016	J	
7440-39-3	Barium, Total	0.09825	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	40.2	0.100	0.0394		
7440-47-3	Chromium, Total	0.00189	0.00100	0.00017		
7440-48-4	Cobalt, Total	0.00023	0.00050	0.00016	J	
7440-50-8	Copper, Total	0.00216	0.00100	0.00038		
7439-89-6	Iron, Total	0.0245	0.0500	0.0191	J	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Total	4.35	0.0700	0.0242		
7439-96-5	Manganese, Total	0.00203	0.00100	0.00044		
7440-02-0	Nickel, Total	0.00209	0.00200	0.00055		
7440-09-7	Potassium, Total	23.1	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	
7440-23-5	Sodium, Total	31.4	0.500	0.0293		
7440-28-0	Thallium, Total	0.00026	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-09	Date Collected	: 11/18/24 00:00
Client ID	: DUP	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/02/24 20:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: WKP
Lab File ID	: WG2003903.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		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	UJ
7440-38-2	Arsenic, Total	0.00021	0.00050	0.00016	J	
7440-39-3	Barium, Total	0.09266	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	94.0	0.100	0.0394		
7440-47-3	Chromium, Total	0.00055	0.00100	0.00017	J	
7440-48-4	Cobalt, Total	0.00031	0.00050	0.00016	J	
7440-50-8	Copper, Total	0.00164	0.00100	0.00038		
7439-89-6	Iron, Total	0.0300	0.0500	0.0191	J	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Total	10.9	0.0700	0.0242		
7439-96-5	Manganese, Total	0.6709	0.00100	0.00044		
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U	
7440-09-7	Potassium, Total	17.2	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	18.4	0.500	0.0293		
7440-28-0	Thallium, Total	0.00073	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-10	Date Collected	: 11/18/24 16:30
Client ID	: FIELD BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/02/24 19:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: WKP
Lab File ID	: WG2003903.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/26/24

		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	UJ
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	0.00036	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	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	0.500	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	

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-01	Date Collected	: 11/18/24 15:46
Client ID	: MW-1S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 20:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	0.334	0.0100	0.00327	
7440-36-0	Antimony, Dissolved	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Dissolved	0.00447	0.00050	0.00016	
7440-39-3	Barium, Dissolved	0.01598	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	39.5	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	0.00040	0.00100	0.00017	J
7440-48-4	Cobalt, Dissolved	0.00049	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	0.00052	0.00100	0.00038	J
7439-89-6	Iron, Dissolved	1.15	0.0500	0.0191	J+
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	0.296	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	1.124	0.00100	0.00044	J
7440-02-0	Nickel, Dissolved	0.00158	0.00200	0.00055	J
7440-09-7	Potassium, Dissolved	26.5	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	51.3	0.500	0.0293	
7440-28-0	Thallium, Dissolved	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Dissolved	0.00258	0.00500	0.00157	J
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-02	Date Collected	: 11/18/24 14:33
Client ID	: MW-2S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 20:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		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	0.00045	0.00400	0.00042	J
7440-38-2	Arsenic, Dissolved	0.00025	0.00050	0.00016	J
7440-39-3	Barium, Dissolved	0.01682	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	56.0	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	0.00181	0.00100	0.00017	
7440-48-4	Cobalt, Dissolved	0.00028	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	0.00147	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	4.76	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.00073	0.00100	0.00044	J
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	9.31	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	5.03	0.500	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-03	Date Collected	: 11/18/24 13:31
Client ID	: MW-3S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 20:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		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	0.00058	0.00400	0.00042	J
7440-38-2	Arsenic, Dissolved	0.00043	0.00050	0.00016	J
7440-39-3	Barium, Dissolved	0.1052	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	97.0	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	0.00030	0.00100	0.00017	J
7440-48-4	Cobalt, Dissolved	0.00062	0.00050	0.00016	
7440-50-8	Copper, Dissolved	0.00251	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	8.77	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.01018	0.00100	0.00044	
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	31.6	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	29.0	0.500	0.0293	
7440-28-0	Thallium, Dissolved	0.00025	0.00100	0.00014	J
7440-62-2	Vanadium, Dissolved	0.00273	0.00500	0.00157	J
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-04	Date Collected	: 11/19/24 09:35
Client ID	: MW-4D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 20:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		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	0.06577	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	19.3	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	0.00165	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	12.2	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.00091	0.00100	0.00044	J
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	1.52	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	80.5	0.500	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-05	Date Collected	: 11/19/24 08:10
Client ID	: MW-5S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 19:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Dissolved	0.0285	0.0100	0.00327		
7440-36-0	Antimony, Dissolved	0.00066	0.00400	0.00042	J	
7440-38-2	Arsenic, Dissolved	0.00016	0.00050	0.00016	J	
7440-39-3	Barium, Dissolved	0.00338	0.00050	0.00017		
7440-41-7	Beryllium, Dissolved	0.00012	0.00050	0.00010	J	
7440-43-9	Cadmium, Dissolved	0.00009	0.00020	0.00005	J	
7440-70-2	Calcium, Dissolved	3.48	0.100	0.0394		J
7440-47-3	Chromium, Dissolved	0.00041	0.00100	0.00017	J	
7440-48-4	Cobalt, Dissolved	ND	0.00050	0.00016	U	
7440-50-8	Copper, Dissolved	0.00060	0.00100	0.00038	J	
7439-89-6	Iron, Dissolved	0.0407	0.0500	0.0191	J	J+
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Dissolved	0.884	0.0700	0.0242		
7439-96-5	Manganese, Dissolved	0.01409	0.00100	0.00044		J
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U	
7440-09-7	Potassium, Dissolved	0.728	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	5.06	0.500	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-06	Date Collected	: 11/18/24 15:40
Client ID	: MW-6D	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 20:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		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	0.00028	0.00050	0.00016	J
7440-39-3	Barium, Dissolved	0.05292	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	84.5	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	0.00083	0.00100	0.00017	J
7440-48-4	Cobalt, Dissolved	0.00051	0.00050	0.00016	
7440-50-8	Copper, Dissolved	0.00126	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	22.2	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	2.374	0.00100	0.00044	
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	24.4	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	35.5	0.500	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-07	Date Collected	: 11/18/24 14:15
Client ID	: MW-7S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 20:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		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	0.00029	0.00050	0.00016	J
7440-39-3	Barium, Dissolved	0.08404	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	86.1	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	0.00077	0.00100	0.00017	J
7440-48-4	Cobalt, Dissolved	0.00027	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	0.00169	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	10.7	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.6321	0.00100	0.00044	
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	16.8	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	17.0	0.500	0.0293	
7440-28-0	Thallium, Dissolved	0.00066	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-08	Date Collected	: 11/18/24 16:45
Client ID	: MW-8S	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 20:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	0.00487	0.0100	0.00327	J
7440-36-0	Antimony, Dissolved	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Dissolved	0.00025	0.00050	0.00016	J
7440-39-3	Barium, Dissolved	0.08092	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	35.9	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	0.00035	0.00100	0.00017	J
7440-48-4	Cobalt, Dissolved	0.00017	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	0.00185	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	3.98	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.00166	0.00100	0.00044	
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	23.1	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	29.1	0.500	0.0293	
7440-28-0	Thallium, Dissolved	0.00020	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-09	Date Collected	: 11/18/24 00:00
Client ID	: DUP	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 21:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		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	0.00036	0.00050	0.00016	J
7440-39-3	Barium, Dissolved	0.08758	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	89.2	0.100	0.0394	J
7440-47-3	Chromium, Dissolved	0.00037	0.00100	0.00017	J
7440-48-4	Cobalt, Dissolved	0.00033	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	0.00147	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	11.2	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.6602	0.00100	0.00044	
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	17.4	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	17.5	0.500	0.0293	
7440-28-0	Thallium, Dissolved	0.00066	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: L2467934-10	Date Collected	: 11/18/24 16:30
Client ID	: FIELD BLANK	Date Received	: 11/19/24
Sample Location	: SPEONK, NY	Date Analyzed	: 12/03/24 20:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: MRC
Lab File ID	: WG2004359.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 11/25/24

		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	0.00043	0.00400	0.00042	J
7440-38-2	Arsenic, Dissolved	ND	0.00050	0.00016	U
7440-39-3	Barium, Dissolved	0.00023	0.00050	0.00017	J
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	0.148	0.100	0.0394	J
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	0.743	0.500	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 11:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 11:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 11:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 11:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 11:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 11:41
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 11:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 11:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 11:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 12:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003107.pdf	**Instrument ID**	: NIC4
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/25/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 20:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 21:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 21:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 21:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 20:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 21:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 21:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 21:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 21:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 21:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG2003119.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 11/26/24

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

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 13:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEM
Lab File ID	: NH320241127-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	3.38	0.300	0.066	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-02	Date Collected	:	11/18/24 14:33
Client ID	:	MW-2S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/27/24 13:05
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NH3-H	Analyst	:	KEM
Lab File ID	:	NH320241127-B	Instrument ID	:	LACHAT
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/27/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Total Kjeldahl	0.275	0.300	0.066	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 13:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEM
Lab File ID	: NH320241127-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.315	0.300	0.066	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 13:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEM
Lab File ID	: NH320241127-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.073	0.300	0.066	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 13:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEM
Lab File ID	: NH320241127-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/27/24

		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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 13:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEM
Lab File ID	: NH320241127-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	2.94	0.300	0.066	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 13:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEM
Lab File ID	: NH320241127-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.366	0.300	0.066	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 13:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEM
Lab File ID	: NH320241127-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.235	0.300	0.066	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/27/24 13:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEM
Lab File ID	: NH320241127-B	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/27/24

		mg/l				
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**	
NONE	Nitrogen, Total Kjeldahl	0.287	0.300	0.066	J	J

Form 1
WETCHEM

Client	:	**Alpha Geoscience**	**Lab Number**	:	**L2467934**
Project Name	:	**HUNTINGTON READY MIXED**	**Project Number**	:	**20116**
Lab ID	:	**L2467934-01**	**Date Collected**	:	**11/18/24 15:46**
Client ID	:	**MW-1S**	**Date Received**	:	**11/19/24**
Sample Location	:	**SPEONK, NY**	**Date Analyzed**	:	**11/26/24 20:25**
Sample Matrix	:	**WATER**	**Dilution Factor**	:	**1**
Analytical Method	:	**44,350.1**	**Analyst**	:	**AT**
Lab File ID	:	**NH320241126-J**	**Instrument ID**	:	**LACHAT**
Sample Amount	:		**%Solids**	:	**N/A**
Digestion Method	:		**Date Digested**	:	**11/26/24**

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	**Nitrogen, Ammonia**	**2.68**	**0.075**	**0.024**	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 20:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: AT
Lab File ID	: NH320241126-J	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/26/24

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

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 20:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: AT
Lab File ID	: NH320241126-J	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.061	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 20:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: AT
Lab File ID	: NH320241126-J	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/26/24

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

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 20:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: AT
Lab File ID	: NH320241126-J	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.027	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 20:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: AT
Lab File ID	: NH320241126-J	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	2.69	0.075	0.024	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 20:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: AT
Lab File ID	: NH320241126-J	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.152	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 20:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: AT
Lab File ID	: NH320241126-J	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/26/24

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

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 20:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: AT
Lab File ID	: NH320241126-J	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.106	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 09:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3241126-C1	**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	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-02	Date Collected	:	11/18/24 14:33
Client ID	:	MW-2S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/26/24 09:26
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3241126-C1	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	0.98	0.10	0.046	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-03	Date Collected	:	11/18/24 13:31
Client ID	:	MW-3S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/26/24 09:30
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3241126-C1	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	6.3	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 09:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3241126-C1	**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	0.56	0.10	0.046	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-05	Date Collected	:	11/19/24 08:10
Client ID	:	MW-5S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/26/24 09:33
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3241126-C1	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	0.98	0.10	0.046	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-06	Date Collected	:	11/18/24 15:40
Client ID	:	MW-6D	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/26/24 09:34
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3241126-C1	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	0.94	0.10	0.046	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-07	Date Collected	:	11/18/24 14:15
Client ID	:	MW-7S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/26/24 09:35
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3241126-C1	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	2.1	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 09:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3241126-C1	**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	0.35	0.10	0.046	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-09	Date Collected	:	11/18/24 00:00
Client ID	:	DUP	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/26/24 09:37
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3241126-C1	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	2.1	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 03:25
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2000844.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	320	13	4.0	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-02	Date Collected	:	11/18/24 14:33
Client ID	:	MW-2S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/22/24 03:25
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2000844.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	180	13	4.0	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-03	Date Collected	:	11/18/24 13:31
Client ID	:	MW-3S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/22/24 03:25
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2000844.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	480	13	4.0	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 03:25
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2000844.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	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-05	Date Collected	:	11/19/24 08:10
Client ID	:	MW-5S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/22/24 03:25
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2000844.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	34.	13	4.0	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 03:25
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2000844.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	450	13	4.0	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-07	Date Collected	:	11/18/24 14:15
Client ID	:	MW-7S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/22/24 03:25
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2000844.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	370	13	4.0	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-08	Date Collected	:	11/18/24 16:45
Client ID	:	MW-8S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/22/24 03:25
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2000844.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	240	13	4.0	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 03:25
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2000844.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	360	13	4.0	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 21:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 241122-1	**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	136.	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 21:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 241122-1	**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	93.9	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 21:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 241122-1	**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	48.4	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 21:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 241122-1	**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	7.32	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 21:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 241122-1	**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	188.	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 21:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 241122-1	**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	211.	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 21:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 241122-1	**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	86.6	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 21:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 241122-1	**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	215.	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 20:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: WG2001324.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	18.7	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/21/24 13:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS112124-WG2000294.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/21/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.040	0.031	0.012	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-02	Date Collected	:	11/18/24 14:33
Client ID	:	MW-2S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/21/24 13:14
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500P-E(M)	Analyst	:	EYA
Lab File ID	:	PHOS112124-WG2000294.csv	Instrument ID	:	SEAL2
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/21/24

		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	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-03	Date Collected	:	11/18/24 13:31
Client ID	:	MW-3S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/21/24 13:15
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500P-E(M)	Analyst	:	EYA
Lab File ID	:	PHOS112124-WG2000294.csv	Instrument ID	:	SEAL2
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/21/24

		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	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-04	Date Collected	:	11/19/24 09:35
Client ID	:	MW-4D	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/21/24 13:16
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500P-E(M)	Analyst	:	EYA
Lab File ID	:	PHOS112124-WG2000294.csv	Instrument ID	:	SEAL2
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/21/24

		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	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-05	Date Collected	:	11/19/24 08:10
Client ID	:	MW-5S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/21/24 13:17
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500P-E(M)	Analyst	:	EYA
Lab File ID	:	PHOS112124-WG2000294.csv	Instrument ID	:	SEAL2
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/21/24

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

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/21/24 13:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS112124-WG2000294.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/21/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.080	0.031	0.012	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-07	Date Collected	:	11/18/24 14:15
Client ID	:	MW-7S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/21/24 13:20
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500P-E(M)	Analyst	:	EYA
Lab File ID	:	PHOS112124-WG2000294.csv	Instrument ID	:	SEAL2
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/21/24

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

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-08	Date Collected	:	11/18/24 16:45
Client ID	:	MW-8S	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/21/24 13:21
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500P-E(M)	Analyst	:	EYA
Lab File ID	:	PHOS112124-WG2000294.csv	Instrument ID	:	SEAL2
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/21/24

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

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-09	Date Collected	:	11/18/24 00:00
Client ID	:	DUP	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/21/24 13:22
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500P-E(M)	Analyst	:	EYA
Lab File ID	:	PHOS112124-WG2000294.csv	Instrument ID	:	SEAL2
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/21/24

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

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 04:38
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	0.353	0.250	0.066	
16887-00-6	Chloride	52.8	2.50	0.420	
14808-79-8	Sulfate	99.7	5.00	2.27	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 05:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG20001300	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.107	0.050	0.037	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 06:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG20001300	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.061	0.050	0.037	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 03:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	5.82	0.500	0.083	
14808-79-8	Sulfate	25.6	1.00	0.454	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 05:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG20001300	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.050	0.050	0.037	

Form 1
WETCHEM

Client	:	Alpha Geoscience	**Lab Number**	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	**Project Number**	:	20116
Lab ID	:	L2467934-03	**Date Collected**	:	11/18/24 13:31
Client ID	:	MW-3S	**Date Received**	:	11/19/24
Sample Location	:	SPEONK, NY	**Date Analyzed**	:	11/21/24 23:45
Sample Matrix	:	WATER	**Dilution Factor**	:	10
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2000807-808	**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	200.	10.0	4.54	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 04:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	0.094	0.050	0.013	
16887-00-6	Chloride	34.7	0.500	0.083	

Form 1
WETCHEM

Client	:	Alpha Geoscience	**Lab Number**	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	**Project Number**	:	20116
Lab ID	:	L2467934-04	**Date Collected**	:	11/19/24 09:35
Client ID	:	MW-4D	**Date Received**	:	11/19/24
Sample Location	:	SPEONK, NY	**Date Analyzed**	:	11/23/24 05:44
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG20001300	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.050	0.037	U

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 04:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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
14808-79-8	Sulfate	10.5	1.00	0.454	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/21/24 23:57
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	146.	5.00	0.839	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 04:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	8.74	0.500	0.083	
14808-79-8	Sulfate	2.92	1.00	0.454	

Form 1
WETCHEM

Client	:	Alpha Geoscience	**Lab Number**	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	**Project Number**	:	20116
Lab ID	:	L2467934-05	**Date Collected**	:	11/19/24 08:10
Client ID	:	MW-5S	**Date Received**	:	11/19/24
Sample Location	:	SPEONK, NY	**Date Analyzed**	:	11/23/24 05:55
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG20001300	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.050	0.037	U

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 00:21
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	83.2	5.00	0.839	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 05:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	0.190	0.050	0.013	
14808-79-8	Sulfate	96.0	1.00	0.454	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 06:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG20001300	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.050	0.037	U

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 05:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	0.102	0.050	0.013	
16887-00-6	Chloride	17.3	0.500	0.083	
14808-79-8	Sulfate	78.8	1.00	0.454	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 07:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG20001300	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.050	0.037	U

Form 1
WETCHEM

Client	:	Alpha Geoscience	**Lab Number**	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	**Project Number**	:	20116
Lab ID	:	L2467934-08	**Date Collected**	:	11/18/24 16:45
Client ID	:	MW-8S	**Date Received**	:	11/19/24
Sample Location	:	SPEONK, NY	**Date Analyzed**	:	11/23/24 07:23
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG20001300	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.050	0.037	U

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 05:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	0.102	0.050	0.013	
16887-00-6	Chloride	34.7	0.500	0.083	
14808-79-8	Sulfate	61.9	1.00	0.454	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/22/24 05:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2000807-808	**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	0.101	0.050	0.013	
16887-00-6	Chloride	17.5	0.500	0.083	
14808-79-8	Sulfate	78.9	1.00	0.454	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2467934
Project Name	:	HUNTINGTON READY MIXED	Project Number	:	20116
Lab ID	:	L2467934-09	Date Collected	:	11/18/24 00:00
Client ID	:	DUP	Date Received	:	11/19/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	11/23/24 07:34
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	44,300.0	Analyst	:	CVN,
Lab File ID	:	WG20001300	Instrument ID	:	IC3
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
16984-48-8	Fluoride	ND	0.050	0.037	U

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2467934 Sample Description: Work Order: 24K1826

Date Received: 11/21/2024

Field Sample #: MW-1S Sampled: 11/18/2024 15:46

Sample ID: 24K1826-01

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	UJ	SM21-23 4500S-F	11/27/24	11/27/24 13:00	DET

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2467934 Sample Description: Work Order: 24K1826

Date Received: 11/21/2024

Field Sample #: MW-2S Sampled: 11/18/2024 14:33

Sample ID: 24K1826-02

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	UJ	SM21-23 4500S-F	11/27/24	11/27/24 13:00	DET

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2467934 Sample Description: Work Order: 24K1826

Date Received: 11/21/2024

Field Sample #: MW-3S Sampled: 11/18/2024 13:31

Sample ID: 24K1826-03

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	UJ	SM21-23 4500S-F	11/27/24	11/27/24 13:00	DET

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2467934 Sample Description: Work Order: 24K1826

Date Received: 11/21/2024

Field Sample #: MW-4D Sampled: 11/19/2024 09:35

Sample ID: 24K1826-04

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	UJ	SM21-23 4500S-F	11/27/24	11/27/24 13:00	DET

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2467934 Sample Description: Work Order: 24K1826

Date Received: 11/21/2024

Field Sample #: MW-5S Sampled: 11/19/2024 08:10

Sample ID: 24K1826-05

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	UJ	SM21-23 4500S-F	11/27/24	11/27/24 13:00	DET

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2467934 Sample Description: Work Order: 24K1826

Date Received: 11/21/2024

Field Sample #: MW-6D Sampled: 11/18/2024 15:40

Sample ID: 24K1826-06

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	UJ	SM21-23 4500S-F	11/27/24	11/27/24 13:00	DET

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2467934 | Sample Description: | Work Order: 24K1826

Date Received: 11/21/2024

Field Sample #: MW-7S | Sampled: 11/18/2024 14:15

Sample ID: 24K1826-07

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	UJ	SM21-23 4500S-F	11/27/24	11/27/24 13:00	DET

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2467934 Sample Description: Work Order: 24K1826

Date Received: 11/21/2024

Field Sample #: MW-8S Sampled: 11/18/2024 16:45

Sample ID: 24K1826-08

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	UJ	SM21-23 4500S-F	11/27/24	11/27/24 13:00	DET

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: L2467934 Sample Description: Work Order: 24K1826

Date Received: 11/21/2024

Field Sample #: DUP Sampled: 11/18/2024 00:00

Sample ID: 24K1826-09

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	UJ	SM21-23 4500S-F	11/27/24	11/27/24 13:00	DET

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2467934
Pace Project No.: 50388689

Sample: MW-1S **Lab ID: 50388689001** Collected: 11/18/24 15:46 Received: 11/22/24 08:50 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		12/04/24 14:31		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2467934
Pace Project No.: 50388689

Sample: MW-2S **Lab ID: 50388689002** Collected: 11/18/24 14:33 Received: 11/22/24 08:50 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		12/04/24 14:52		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2467934
Pace Project No.: 50388689

Sample: MW-3S **Lab ID: 50388689003** Collected: 11/18/24 13:31 Received: 11/22/24 08:50 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		12/04/24 15:14		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2467934
Pace Project No.: 50388689

Sample: MW-4D **Lab ID: 50388689004** Collected: 11/19/24 09:35 Received: 11/22/24 08:50 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		12/04/24 15:35		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2467934
Pace Project No.: 50388689

Sample: MW-5S **Lab ID: 50388689005** Collected: 11/19/24 08:10 Received: 11/22/24 08:50 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		12/04/24 15:56		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2467934
Pace Project No.: 50388689

Sample: MW-6D **Lab ID: 50388689006** Collected: 11/18/24 15:40 Received: 11/22/24 08:50 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		12/04/24 16:18		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2467934
Pace Project No.: 50388689

Sample: MW-7S **Lab ID: 50388689007** Collected: 11/18/24 14:15 Received: 11/22/24 08:50 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		12/04/24 18:04		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2467934
Pace Project No.: 50388689

Sample: MW-8S **Lab ID: 50388689008** Collected: 11/18/24 16:45 Received: 11/22/24 08:50 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		12/04/24 18:25		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2467934
Pace Project No.: 50388689

Sample: DUP **Lab ID: 50388689009** Collected: 11/18/24 00:00 Received: 11/22/24 08:50 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		12/06/24 11:19		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Uranium	U		0.0850	1.00	1	12/04/2024 02:51	WG2409778

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Uranium	U		0.0850	1.00	1	12/04/2024 01:47	WG2409778

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Uranium	0.369	J	0.0850	1.00	1	12/04/2024 02:55	WG2409778

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Uranium	U		0.0850	1.00	1	12/04/2024 02:58	WG2409778

Metals (ICPMS) by Method 200.8

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Uranium	0.328	J	0.0850	1.00	1	12/04/2024 03:01	WG2409778

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Uranium	U		0.0850	1.00	1	12/06/2024 18:14	WG2409782

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260D Volatiles Data
for Alpha Analytical, SDG Number: L2467934

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Trip Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 RRFs for 6 compounds (highlighted yellow on attached Form 6) were below the method minimums, but not below 0.010 for VOA130 on 11-12-24. 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 average RRFs for 6 compounds (highlighted yellow on attached Form 7) were below the method minimums, but not below 0.010 on 11-24-24 (V30241124A02). The %Ds for 9 compounds (highlighted yellow on attached Form 7) were above the method maximum on 12-24-24 (V30241124A02). 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 (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %Ds for 9 compounds (highlighted yellow on attached Form 7) and 1,4-dioxane were above the allowable maximum (20%) on 12-24-24 (V30241124A01). Positive results for these compounds should be considered estimated (J) in associated samples.

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

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

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

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

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-5S.

Laboratory Control Sample: The relative percent differences for chloromethane, bromomethane, vinyl chloride, and dichlorodifluoromethane were above the allowable maximum for aqueous samples WG2001917-3/4. Positive results for these compounds should be considered estimated (J) in associated aqueous samples.

One of two percent recoveries for 1,2-dichloropropane, cis-1,3-dichloropropene, trichloroethane, and cyclohexane were below QC limits, but not below 30% for aqueous samples WG2001917-3/4. Positive results for these compounds should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-7S/DUP reported target compounds as either 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 surrogates were within GC/MS 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	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001917-3 Analysis Date : 11/24/24 09:12	File ID	: V30241124A02
LCSD Sample ID	: WG2001917-4 Analysis Date : 11/24/24 09:34	File ID	: V30241124A03

	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	10	100	10	8.7	87	14	70-130	20
1,1-Dichloroethane	10	10	100	10	8.6	86	15	70-130	20
Chloroform	10	10	100	10	8.9	89	12	70-130	20
Carbon tetrachloride	10	8.2	82	10	7.0	70	16	63-132	20
1,2-Dichloropropane	10	7.9	79	10	6.9	69 Q	14	70-130	20
Dibromochloromethane	10	7.8	78	10	7.3	73	7	63-130	20
1,1,2-Trichloroethane	10	8.7	87	10	8.1	81	7	70-130	20
Tetrachloroethene	10	9.0	90	10	7.6	76	17	70-130	20
Chlorobenzene	10	9.2	92	10	8.0	80	14	75-130	20
Trichlorofluoromethane	10	10	100	10	8.4	84	17	62-150	20
1,2-Dichloroethane	10	9.6	96	10	8.6	86	11	70-130	20
1,1,1-Trichloroethane	10	9.0	90	10	7.6	76	17	67-130	20
Bromodichloromethane	10	8.4	84	10	7.4	74	13	67-130	20
trans-1,3-Dichloropropene	10	7.9	79	10	7.1	71	11	70-130	20
cis-1,3-Dichloropropene	10	7.7	77	10	6.8	68 Q	12	70-130	20
Bromoform	10	7.8	78	10	7.2	72	8	54-136	20
1,1,2,2-Tetrachloroethane	10	9.4	94	10	8.7	87	8	67-130	20
Benzene	10	8.9	89	10	7.7	77	14	70-130	20
Toluene	10	9.1	91	10	7.9	79	14	70-130	20
Ethylbenzene	10	9.0	90	10	7.8	78	14	70-130	20
Chloromethane	10	10	100	10	8.1	81	21 Q	64-130	20
Bromomethane	10	7.4	74	10	5.8	58	24 Q	39-139	20
Vinyl chloride	10	10	100	10	8.0	80	22 Q	55-140	20
Chloroethane	10	10	100	10	8.9	89	12	55-138	20
1,1-Dichloroethene	10	9.9	99	10	8.3	83	18	61-145	20
trans-1,2-Dichloroethene	10	9.8	98	10	8.3	83	17	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client : Alpha Geoscience
Project Name : HUNTINGTON READY MIXED
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG2001917-3 Analysis Date : 11/24/24 09:12 File ID : V30241124A02
LCSD Sample ID : WG2001917-4 Analysis Date : 11/24/24 09:34 File ID : V30241124A03
Lab Number : L2467934
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
Trichloroethene	10	8.0	80	10	6.8	68 Q	16	70-130	20
1,2-Dichlorobenzene	10	9.2	92	10	8.0	80	14	70-130	20
1,3-Dichlorobenzene	10	9.1	91	10	7.9	79	14	70-130	20
1,4-Dichlorobenzene	10	9.1	91	10	7.9	79	14	70-130	20
Methyl tert butyl ether	10	7.0	70	10	6.5	65	7	63-130	20
p/m-Xylene	20	19	95	20	16	80	17	70-130	20
o-Xylene	20	19	95	20	16	80	17	70-130	20
cis-1,2-Dichloroethene	10	9.8	98	10	8.4	84	15	70-130	20
Styrene	20	20	100	20	17	85	16	70-130	20
Dichlorodifluoromethane	10	12	120	10	9.0	90	29 Q	36-147	20
Acetone	10	11	110	10	10	100	10	58-148	20
Carbon disulfide	10	10	100	10	8.6	86	15	51-130	20
2-Butanone	10	8.8	88	10	9.1	91	3	63-138	20
4-Methyl-2-pentanone	10	8.3	83	10	8.0	80	4	59-130	20
2-Hexanone	10	8.4	84	10	7.9	79	6	57-130	20
Bromochloromethane	10	10	100	10	8.8	88	13	70-130	20
1,2-Dibromoethane	10	8.8	88	10	8.0	80	10	70-130	20
1,2-Dibromo-3-chloropropane	10	9.6	96	10	9.3	93	3	41-144	20
Isopropylbenzene	10	8.4	84	10	7.1	71	17	70-130	20
1,2,3-Trichlorobenzene	10	9.0	90	10	8.0	80	12	70-130	20
1,2,4-Trichlorobenzene	10	8.5	85	10	7.6	76	11	70-130	20
Methyl Acetate	10	10	100	10	9.6	96	4	70-130	20
Cyclohexane	10	7.7	77	10	6.5	65 Q	17	70-130	20
1,4-Dioxane	500	620	124	500	550	110	12	56-162	20
Freon-113	10	9.6	96	10	8.1	81	17	70-130	20
Methyl cyclohexane	10	8.0	80	10	7.0	70	13	70-130	20

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21702**
Calibration dates	**: 11/12/24 15:35 11/12/24 18:51**		

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.259	0.282	0.250	0.245	0.245	0.218	0.192	0.242	12.07
3)	TP	Chloromethane		0.356	0.354	0.307	0.283	0.282	0.258	0.223	0.295	16.58
4)	TP	Vinyl chloride	0.304	0.331	0.339	0.298	0.281	0.281	0.255	0.226	0.290	12.99
5)	TP	Bromomethane		0.187	0.185	0.160	0.148	0.154	0.140	0.125	0.157	14.46
6)	TP	Chloroethane		0.212	0.216	0.183	0.170	0.170	0.155	0.134	0.177	16.69
7)	TP	Trichlorofluor		0.360	0.375	0.337	0.328	0.326	0.290	0.255	0.324	12.55
8)	TP	Ethyl ether		0.076	0.077	0.081	0.090	0.091	0.087	0.079	0.083	7.37
10)	TP	1,1-Dichloroet		0.227	0.235	0.215	0.208	0.210	0.192	0.170	0.208	10.54
11)	TP	Carbon disulfide		0.758	0.725	0.638	0.606	0.609	0.561	0.492	0.627	14.60
12)	TP	Freon-113		0.184	0.206	0.203	0.215	0.214	0.193	0.169	0.198	8.44
13)	TP	Iodomethane		0.145	0.159	0.160	0.172	0.193	0.185	0.163	0.168	9.85
14)	TP	Acrolein		0.020	0.023	0.020	0.019	0.018	0.018	0.018	0.019	8.97
15)	TP	Methylene chlo		0.322	0.305	0.264	0.244	0.241	0.226	0.198	0.257	17.00
17)	TP	Acetone			0.059	0.042	0.038	0.035	0.034	0.033	*L	0.9986
18)	TP	trans-1,2-Dich		0.258	0.251	0.228	0.219	0.222	0.207	0.181	0.224	11.61
19)	TP	Methyl acetate			0.109	0.097	0.094	0.089	0.087	0.086	0.094	9.04
21)	TP	Methyl tert butyl ether		0.261	0.259	0.288	0.374	0.429	0.424		*Q	0.9975
22)	TP	tert-Butyl alc		0.006	0.006	0.007	0.008	0.008	0.008	0.008	0.007#	10.81
24)	TP	Diisopropyl ether		0.455	0.449	0.509	0.543	0.572	0.546	0.490	0.509	9.31
25)	TP	1,1-Dichloroet		0.544	0.551	0.484	0.453	0.451	0.417	0.357	0.465	14.76
26)	TP	Halothane		0.128	0.143	0.145	0.164	0.170	0.157	0.138	0.149	9.92
27)	TP	Acrylonitrile		0.051	0.051	0.052	0.050	0.045	0.044	0.043	0.048	8.01
28)	TP	Ethyl tert-but		0.325	0.337	0.398	0.442	0.490	0.487	0.460	0.420	16.27
29)	TP	Vinyl acetate		0.301	0.271	0.283	0.340	0.375	0.370	0.352	0.327	12.94
30)	TP	cis-1,2-Dichlo		0.293	0.295	0.258	0.247	0.249	0.234	0.204	0.254	12.62
31)	TP	2,2-Dichloropr		0.281	0.305	0.309	0.332	0.340	0.310	0.270	0.307	8.20
33)	TP	Bromochloromet		0.134	0.130	0.119	0.112	0.109	0.103	0.092	0.114	12.85
34)	TP	Cyclohexane		0.267	0.287	0.308	0.388	0.414	0.373	0.332	0.338	16.23
35)	TP	Chloroform		0.495	0.510	0.444	0.417	0.414	0.385	0.333	0.428	14.32
36)	TP	Ethyl acetate		0.118	0.100	0.100	0.112	0.117	0.115	0.115	0.111	7.13
37)	TP	Carbon tetrachloride		0.191	0.211	0.231	0.282	0.306	0.284	0.253	0.251	16.77
38)	TP	Tetrahydrofuran		0.032	0.038	0.034	0.036	0.035	0.035	0.034	0.035	5.46
39)	S	Dibromofluoromethane	0.387	0.397	0.382	0.349	0.325	0.305	0.303	0.301	0.344	11.75
40)	TP	1,1,1-Trichlor		0.253	0.285	0.303	0.341	0.353	0.324	0.285	0.306	11.55
42)	TP	2-Butanone			0.041	0.042	0.049	0.051	0.050	0.050	0.047	9.45

Initial Calibration Summary
Form 6
Volatiles

Client	: **Alpha Geoscience**	**Lab Number**	: **L2467934**
Project Name	: **HUNTINGTON READY MIXED**	**Project Number**	: **20116**
Instrument ID	: **VOA130**	**Ical Ref**	: **ICAL21702**
Calibration dates	: **11/12/24 15:35 11/12/24 18:51**		

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.196	0.206	0.215	0.268	0.310	0.289	0.258	0.249	17.75
45) TP	Benzene	0.652	0.738	0.760	0.733	0.769	0.832	0.789	0.695	0.746	7.44
46) TP	Tertiary-Amyl Methyl Ether		0.279	0.283	0.325	0.358	0.370	0.365	0.346	0.332	11.48
47) S	1,2-Dichloroethane-d4	0.356	0.361	0.359	0.365	0.344	0.316	0.323	0.329	0.344	5.54
48) TP	1,2-Dichloroet		0.284	0.275	0.267	0.269	0.266	0.253	0.228	0.263	6.89
51) TP	Methyl cyclohe		0.209	0.233	0.258	0.289	0.313	0.290	0.264	0.265	13.55
52) TP	Trichloroethene	0.150	0.159	0.165	0.167	0.194	0.222	0.210	0.188	0.182#	14.20
54) TP	Dibromomethane		0.134	0.129	0.121	0.119	0.117	0.113	0.105	0.120	8.07
55) TP	1,2-Dichloropr		0.163	0.175	0.175	0.204	0.233	0.223	0.199	0.196#	13.49
57) TP	2-Chloroethyl		0.061	0.067	0.084	0.093	0.088	0.087	0.083	0.080	14.67
58) TP	Bromodichlorom		0.229	0.234	0.244	0.289	0.310	0.295	0.263	0.266#	12.07
61) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	13.19
62) TP	cis-1,3-Dichloropropene		0.210	0.229	0.237	0.285	0.330	0.322	0.294	0.273#	17.32
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.328	1.333	1.321	1.371	1.368	1.350	1.348	1.312	1.341	1.61
65) TP	Toluene		0.576	0.619	0.626	0.635	0.664	0.621	0.536	0.611	6.87
66) TP	4-Methyl-2-pen			0.030	0.044	0.050	0.050	0.049	0.046	0.045	17.68
67) TP	Tetrachloroethene		0.197	0.210	0.221	0.235	0.249	0.233	0.206	0.222	8.37
69) TP	trans-1,3-Dichloropropene		0.188	0.207	0.253	0.301	0.350	0.349		*Q	0.9983
71) TP	Ethyl methacry		0.155	0.161	0.183	0.200	0.200	0.193	0.178	0.181	9.93
72) TP	1,1,2-Trichlor		0.096	0.111	0.128	0.144	0.160	0.160	0.153	0.136#	18.37
73) TP	Chlorodibromom		0.131	0.140	0.164	0.200	0.236	0.239		*Q	0.9984
74) TP	1,3-Dichloropr		0.234	0.248	0.282	0.314	0.347	0.344	0.327	0.299	15.23
75) TP	1,2-Dibromoethane		0.113	0.120	0.138	0.151	0.164	0.165	0.160	0.144#	14.74
77) TP	2-Hexanone		0.085	0.077	0.081	0.086	0.085	0.082	0.079	0.082	4.07
78) T	Chlorobenzene		0.643	0.672	0.661	0.663	0.691	0.657	0.573	0.651	5.75
79) TP	Ethylbenzene		1.168	1.244	1.251	1.245	1.285	1.193	1.028	1.202	7.16
80) T	1,1,1,2-Tetrac		0.127	0.136	0.163	0.188	0.212	0.208	0.193	0.175	19.41
81) TP	p/m Xylene		0.470	0.496	0.505	0.500	0.517	0.480	0.415	0.484	7.00
82) TP	o Xylene		0.449	0.477	0.491	0.480	0.497	0.465	0.398	0.465	7.27
83) TP	Styrene		0.725	0.773	0.817	0.806	0.821	0.765	0.644	0.765	8.24
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.104	0.124	0.152	0.178	0.189	0.191	0.191	*Q	0.9992
87) TP	Isopropylbenzene		1.706	1.890	1.929	1.981	2.031	1.873	1.644	1.865	7.57
88) S	4-Bromofluorobenzene	0.898	0.892	0.890	0.875	0.867	0.826	0.826	0.834	0.864	3.56
89) TP	Bromobenzene		0.427	0.471	0.459	0.463	0.475	0.453	0.409	0.451	5.39

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21702**
Calibration dates	**: 11/12/24 15:35 11/12/24 18:51**		

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		2.198	2.412	2.461	2.504	2.530	2.321	1.997	2.346	8.17
91) TP	1,4-Dichlorobu		0.408	0.394	0.414	0.437	0.421	0.408	0.386	0.410	4.14
92) TP	1,1,2,2-Tetrac		0.267	0.278	0.285	0.308	0.308	0.303	0.296	0.292	5.42
93) TP	4-Ethyltoluene		1.784	1.960	2.013	2.060	2.122	1.965	1.712	1.945	7.57
94) TP	2-Chlorotoluene		1.489	1.519	1.481	1.470	1.496	1.402	1.220	1.439	7.19
95) TP	1,3,5-Trimethy		1.507	1.651	1.747	1.821	1.908	1.760	1.528	1.703	8.74
96) TP	1,2,3-Trichlor		0.228	0.228	0.237	0.254	0.247	0.241	0.234	0.238	4.05
97) TP	trans-1,4-Dich		0.055	0.064	0.070	0.077	0.077	0.076	0.077	0.071	12.26
98) TP	4-Chlorotoluene		1.447	1.563	1.546	1.550	1.605	1.497	1.304	1.502	6.70
99) TP	tert-Butylbenzene		1.279	1.398	1.409	1.451	1.504	1.398	1.233	1.382	6.86
102) TP	1,2,4-Trimethy		1.356	1.528	1.690	1.799	1.901	1.771	1.521	1.652	11.58
103) TP	sec-Butylbenzene		1.792	2.033	2.098	2.151	2.201	2.021	1.766	2.009	8.42
104) TP	p-Isopropyltol		1.440	1.674	1.794	1.873	1.972	1.815	1.574	1.735	10.57
105) TP	1,3-Dichlorobe		0.921	0.958	0.964	0.973	1.016	0.960	0.846	0.948	5.62
106) TP	1,4-Dichlorobe		0.971	0.992	0.978	0.982	1.029	0.972	0.859	0.969	5.40
107) TP	p-Diethylbenzene		0.813	0.912	1.020	1.097	1.199	1.120	0.983	1.021	12.88
108) TP	n-Butylbenzene		1.179	1.420	1.561	1.654	1.746	1.605	1.391	1.508	12.70
109) TP	1,2-Dichlorobe		0.889	0.909	0.909	0.926	0.952	0.902	0.804	0.899	5.15
110) TP	1,2,4,5-Tetram		1.128	1.192	1.274	1.527	1.774	1.690	1.481	1.438	17.26
111) TP	1,2-Dibromo-3-		0.040	0.051	0.050	0.052	0.050	0.049	0.049	0.049	8.45
112) TP	1,3,5-Trichlor		0.571	0.601	0.622	0.697	0.770	0.733	0.650	0.663	10.99
113) TP	Hexachlorobuta		0.205	0.225	0.224	0.233	0.250	0.235	0.213	0.227	6.53
114) TP	1,2,4-Trichlor		0.519	0.538	0.566	0.617	0.662	0.637	0.578	0.588	8.94
115) TP	Naphthalene		1.124	1.084	1.210	1.300	1.293	1.240	1.162	1.202	6.88
116) TP	1,2,3-Trichlor		0.524	0.527	0.540	0.573	0.586	0.563	0.520	0.548	4.80

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		Lab Number	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: VOA130		Calibration Date	: 11/24/24 09:12	
Lab File ID	: V30241124A02		Init. Calib. Date(s)	: 11/12/24	11/12/24
Sample No	: WG2001917-2		Init. Calib. Times	: 15:35	18:51
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	94	0
Dichlorodifluoromethane	0.242	0.289	-	-19.4	20	109	0
Chloromethane	0.295	0.299	-	-1.4	20	91	0
Vinyl chloride	0.29	0.302	-	-4.1	20	95	0
Bromomethane	0.157	0.116	-	26.1*	20	68	0
Chloroethane	0.177	0.187	-	-5.6	20	96	0
Trichlorofluoromethane	0.324	0.324	-	0	20	90	0
1,1-Dichloroethene	0.208	0.207	-	0.5	20	90	0
Carbon disulfide	0.627	0.635	-	-1.3	20	93	0
Freon-113	0.198	0.191	-	3.5	20	88	0
Methylene chloride	0.257	0.26	-	-1.2	20	92	0
Acetone	10	11.248	-	-12.5	20	96	0
trans-1,2-Dichloroethene	0.224	0.218	-	2.7	20	90	0
Methyl acetate	0.094	0.095	-	-1.1	20	92	0
Methyl tert-butyl ether	10	6.998	-	30*	20	79	0
1,1-Dichloroethane	0.465	0.471	-	-1.3	20	91	0
cis-1,2-Dichloroethene	0.254	0.25	-	1.6	20	91	0
Bromochloromethane	0.114	0.114	-	0	20	90	0
Cyclohexane	0.338	0.26	-	23.1*	20	79	0
Chloroform	0.428	0.443	-	-3.5	20	94	0
Carbon tetrachloride	0.251	0.207	-	17.5	20	84	0
Dibromofluoromethane	0.344	0.371	-	-7.8	20	100	0
1,1,1-Trichloroethane	0.306	0.276	-	9.8	20	86	0
2-Butanone	0.047	0.041	-	12.8	20	92	.01
Benzene	0.746	0.662	-	11.3	20	85	0
1,2-Dichloroethane-d4	0.344	0.38	-	-10.5	20	98	0
1,2-Dichloroethane	0.263	0.253	-	3.8	20	89	0
Methyl cyclohexane	0.265	0.214	-	19.2	20	78	0
Trichloroethene	0.182	0.145*	-	20.3*	20	82	0
1,2-Dichloropropane	0.196	0.154*	-	21.4*	20	83	0
Bromodichloromethane	0.266	0.224*	-	15.8	20	86	0
1,4-Dioxane	0.00096	0.0012*	-	-25*	20	118	0
cis-1,3-Dichloropropene	0.273	0.209*	-	23.4*	20	83	0
Chlorobenzene-d5	1	1	-	0	20	96	0
Toluene-d8	1.341	1.354	-	-1	20	95	0
Toluene	0.611	0.555	-	9.2	20	86	0
4-Methyl-2-pentanone	0.045	0.037	-	17.8	20	83	0
Tetrachloroethene	0.222	0.199	-	10.4	20	87	0
trans-1,3-Dichloropropene	10	7.884	-	21.2*	20	86	0
1,1,2-Trichloroethane	0.136	0.118*	-	13.2	20	89	0
Chlorodibromomethane	10	7.858	-	21.4*	20	86	0
1,2-Dibromoethane	0.144	0.127*	-	11.8	20	88	0
2-Hexanone	0.082	0.069	-	15.9	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		Lab Number	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: VOA130		Calibration Date	: 11/24/24 09:12	
Lab File ID	: V30241124A02		Init. Calib. Date(s)	: 11/12/24	11/12/24
Sample No	: WG2001917-2		Init. Calib. Times	: 15:35	18:51
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorobenzene	0.651	0.597	-	8.3	20	87	0
Ethylbenzene	1.202	1.088	-	9.5	20	84	0
p/m Xylene	0.484	0.456	-	5.8	20	87	0
o Xylene	0.465	0.435	-	6.5	20	85	0
Styrene	0.765	0.746	-	2.5	20	88	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Bromoform	10	7.802	-	22*	20	92	0
Isopropylbenzene	1.865	1.563	-	16.2	20	83	0
4-Bromofluorobenzene	0.864	0.827	-	4.3	20	97	0
n-Propylbenzene	2.346	2.089	-	11	20	87	0
1,1,2,2-Tetrachloroethane	0.292	0.274	-	6.2	20	99	0
1,3,5-Trimethylbenzene	1.703	1.488	-	12.6	20	88	0
tert-Butylbenzene	1.382	1.149	-	16.9	20	84	0
1,2,4-Trimethylbenzene	1.652	1.454	-	12	20	88	0
sec-Butylbenzene	2.009	1.75	-	12.9	20	86	0
p-Isopropyltoluene	1.735	1.474	-	15	20	84	0
1,3-Dichlorobenzene	0.948	0.863	-	9	20	92	0
1,4-Dichlorobenzene	0.969	0.883	-	8.9	20	93	0
n-Butylbenzene	1.508	1.348	-	10.6	20	89	0
1,2-Dichlorobenzene	0.899	0.829	-	7.8	20	94	0
1,2-Dibromo-3-chloropropan	0.049	0.047	-	4.1	20	96	0
1,2,4-Trichlorobenzene	0.588	0.501	-	14.8	20	91	0
Naphthalene	1.202	1.038	-	13.6	20	88	0
1,2,3-Trichlorobenzene	0.548	0.491	-	10.4	20	94	0

* Value outside of QC limits.

SVOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270E Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2467934

8 Ground Water Samples, 1 Field Duplicate,
and 1 Field Blank
Collected August 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 RRF for 2,6-dinitrotoluene was below the method minimum, but not below 0.010 for DAKOTA on 11-05-24. 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 11-23-24 (WG2001490-3). The RRF for 2-chloronaphthalene was below the method minimum, but not below 0.010 on 11-24-24 (WG2001636-3). The RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 on 11-25-24 (WG2002259-3). The %D for 4-nitroaniline was above the method maximum on 11-24-24 (WG2001636-3). The %Ds for hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4,6-dinitro-o-cresol were above the method maximum on 11-25-24 (WG2002259-3). 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 %D for 4-nitroaniline was above the maximum (20%) on 11-24-24 (WG2001636-3). The %Ds for hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4,6-dinitro-o-cresol were above the maximum (20%) on 11-25-24 (WG2002259-3). Positive results for these compounds should be considered estimated (J) in associated samples.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Blanks: The analyses of the method blanks reported target compounds as not detected. The field blank contained a trace of phenol (1.4 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: The surrogate recoveries were within control limits for the ground water samples and field blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum, but 2 of 2 percent recoveries for 2.4-dinitrophenol and hexachlorocyclopentadiene were below QC limits and below 30% for aqueous MS/MSD sample MW-5S. The "not detected" result for hexachlorocyclopentadiene and 2,4-dinitrophenol should be considered rejected, unusable (R) in sample MW-5S.

Laboratory Control Sample: The relative percent difference (RPD) for 4-chloroaniline was above the allowable maximum for aqueous samples WG2001353-2/3. Positive results for 4-chloroaniline should be considered estimated (J) in associated aqueous samples.

Two of two percent recoveries for hexachlorocyclopentadiene were below QC limits, but not below 30% for aqueous samples WG2001353-2/3. Positive results for hexachlorocyclopentadiene should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated aqueous samples.

The relative percent differences (RPDs) for target compounds were below the allowable maximum, but 2 of 2 percent recoveries for hexachlorocyclopentadiene and 2,4-dinitrophenol were below QC limits and below 30% for aqueous samples WG1963467-2/3. Positive results for these compounds should be considered estimated, biased low (J-) and "not detected" results rejected, unusable (J) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-7S/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/MS 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
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001353-2	Analysis Date : 11/23/24 17:26	File ID : 001353-2
LCSD Sample ID	: WG2001353-3	Analysis Date : 11/23/24 17:49	File ID : 001353-3

	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	15.	75		20	14.	69	8	40-140	30
3,3'-Dichlorobenzidine	20	16.	83		20	15.	77	8	40-140	30
2,4-Dinitrotoluene	20	16.	82		20	16.	81	1	48-143	30
2,6-Dinitrotoluene	20	16.	78		20	16.	78	0	40-140	30
4-Chlorophenyl phenyl ether	20	15.	75		20	14.	70	7	40-140	30
4-Bromophenyl phenyl ether	20	15.	75		20	14.	72	4	40-140	30
Bis(2-chloroisopropyl)ether	20	15.	76		20	14.	72	5	40-140	30
Bis(2-chloroethoxy)methane	20	16.	81		20	15.	74	9	40-140	30
Hexachlorocyclopentadiene	20	7.5	37	Q	20	7.2	36	Q 3	40-140	30
Isophorone	20	15.	76		20	14.	71	7	40-140	30
Nitrobenzene	20	15.	74		20	15.	74	0	40-140	30
NDPA/DPA	20	15.	76		20	15.	77	1	40-140	30
n-Nitrosodi-n-propylamine	20	16.	78		20	14.	70	11	29-132	30
Bis(2-ethylhexyl)phthalate	20	16.	79		20	16.	79	0	40-140	30
Butyl benzyl phthalate	20	17.	87		20	16.	79	10	40-140	30
Di-n-butylphthalate	20	17.	85		20	17.	84	1	40-140	30
Di-n-octylphthalate	20	16.	78		20	15.	74	5	40-140	30
Diethyl phthalate	20	15.	77		20	15.	74	4	40-140	30
Dimethyl phthalate	20	16.	80		20	15.	76	5	40-140	30
Biphenyl	20	18.	89		20	17.	84	6	40-140	30
4-Chloroaniline	20	13.	66		20	8.6	43	42 Q	40-140	30
2-Nitroaniline	20	18.	89		20	16.	82	8	52-143	30
3-Nitroaniline	20	16.	82		20	16.	78	5	25-145	30
4-Nitroaniline	20	19.	94		20	18.	90	4	51-143	30
Dibenzofuran	20	15.	74		20	14.	71	4	40-140	30
1,2,4,5-Tetrachlorobenzene	20	16.	78		20	15.	76	3	2-134	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001353-2 **Analysis Date** : 11/23/24 17:26	**File ID**	: 001353-2
LCSD Sample ID	: WG2001353-3 **Analysis Date** : 11/23/24 17:49	**File ID**	: 001353-3

	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	19.	94	20	18.	90	4	39-129	30
2,4,6-Trichlorophenol	20	16.	79	20	14.	72	9	30-130	30
p-Chloro-m-cresol	20	16.	78	20	15.	75	4	23-97	30
2-Chlorophenol	20	14.	73	20	13.	67	9	27-123	30
2,4-Dichlorophenol	20	16.	79	20	15.	75	5	30-130	30
2,4-Dimethylphenol	20	10.	50	20	9.6	48	4	30-130	30
2-Nitrophenol	20	15.	75	20	14.	70	7	30-130	30
4-Nitrophenol	20	12.	62	20	13.	65	5	10-80	30
2,4-Dinitrophenol	20	9.8	49	20	12.	58	17	20-130	30
4,6-Dinitro-o-cresol	20	14.	72	20	14.	68	6	20-164	30
Phenol	20	9.1	45	20	9.1	45	0	12-110	30
2-Methylphenol	20	14.	69	20	13.	64	8	30-130	30
3-Methylphenol/4-Methylphenol	20	14.	68	20	13.	64	6	30-130	30
2,4,5-Trichlorophenol	20	16.	83	20	15.	74	11	30-130	30
Carbazole	20	17.	84	20	16.	79	6	55-144	30
Atrazine	20	20.	98	20	19.	95	3	40-140	30
Benzaldehyde	20	20.	102	20	19.	95	7	40-140	30
Caprolactam	20	7.8	39	20	7.9	40	3	10-130	30
2,3,4,6-Tetrachlorophenol	20	17.	86	20	16.	80	7	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001587-2 Analysis Date : 11/25/24 22:44	File ID	: 001587-2
LCSD Sample ID	: WG2001587-3 Analysis Date : 11/25/24 23:07	File ID	: 001587-3

	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	15.	75		20	12.	62	19	40-140	30
3,3'-Dichlorobenzidine	20	18.	91		20	16.	78	15	40-140	30
2,4-Dinitrotoluene	20	16.	79		20	14.	70	12	48-143	30
2,6-Dinitrotoluene	20	16.	78		20	13.	67	15	40-140	30
4-Chlorophenyl phenyl ether	20	14.	68		20	12.	60	13	40-140	30
4-Bromophenyl phenyl ether	20	14.	72		20	13.	63	13	40-140	30
Bis(2-chloroisopropyl)ether	20	16.	78		20	12.	63	21	40-140	30
Bis(2-chloroethoxy)methane	20	16.	79		20	13.	64	21	40-140	30
Hexachlorocyclopentadiene	20	5.3	26	Q	20	5.1	26	Q 0	40-140	30
Isophorone	20	15.	77		20	12.	61	23	40-140	30
Nitrobenzene	20	16.	79		20	12.	62	24	40-140	30
NDPA/DPA	20	15.	75		20	13.	65	14	40-140	30
n-Nitrosodi-n-propylamine	20	15.	75		20	13.	63	17	29-132	30
Bis(2-ethylhexyl)phthalate	20	16.	82		20	14.	72	13	40-140	30
Butyl benzyl phthalate	20	17.	87		20	15.	77	12	40-140	30
Di-n-butylphthalate	20	16.	79		20	14.	72	9	40-140	30
Di-n-octylphthalate	20	17.	84		20	15.	74	13	40-140	30
Diethyl phthalate	20	15.	74		20	12.	62	18	40-140	30
Dimethyl phthalate	20	15.	75		20	13.	64	16	40-140	30
Biphenyl	20	17.	84		20	14.	72	15	40-140	30
4-Chloroaniline	20	12.	62		20	9.9	50	21	40-140	30
2-Nitroaniline	20	17.	86		20	14.	72	18	52-143	30
3-Nitroaniline	20	15.	76		20	13.	66	14	25-145	30
4-Nitroaniline	20	18.	92		20	16.	81	13	51-143	30
Dibenzofuran	20	14.	70		20	12.	62	12	40-140	30
1,2,4,5-Tetrachlorobenzene	20	15.	75		20	13.	64	16	2-134	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001587-2 Analysis Date : 11/25/24 22:44	File ID	: 001587-2
LCSD Sample ID	: WG2001587-3 Analysis Date : 11/25/24 23:07	File ID	: 001587-3

	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	20.	98		20	15.	75		27	39-129	30
2,4,6-Trichlorophenol	20	15.	77		20	12.	62		22	30-130	30
p-Chloro-m-cresol	20	15.	75		20	12.	62		19	23-97	30
2-Chlorophenol	20	13.	66		20	10.	52		24	27-123	30
2,4-Dichlorophenol	20	16.	78		20	12.	60		26	30-130	30
2,4-Dimethylphenol	20	9.3	47		20	7.4	37		24	30-130	30
2-Nitrophenol	20	15.	75		20	11.	57		27	30-130	30
4-Nitrophenol	20	8.2	41		20	7.9	39		5	10-80	30
2,4-Dinitrophenol	20	2.9	15	Q	20	3.4	17	Q	13	20-130	30
4,6-Dinitro-o-cresol	20	7.3	37		20	7.2	36		3	20-164	30
Phenol	20	6.5	32		20	5.0	25		25	12-110	30
2-Methylphenol	20	12.	60		20	9.2	46		26	30-130	30
3-Methylphenol/4-Methylphenol	20	11.	55		20	9.0	45		20	30-130	30
2,4,5-Trichlorophenol	20	16.	82		20	13.	65		23	30-130	30
Carbazole	20	16.	82		20	15.	73		12	55-144	30
Atrazine	20	19.	94		20	16.	81		15	40-140	30
Benzaldehyde	20	21.	104		20	17.	86		19	40-140	30
Caprolactam	20	5.6	28		20	5.0	25		11	10-130	30
2,3,4,6-Tetrachlorophenol	20	16.	82		20	13.	67		20	40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2467934-05	Analysis Date	: 11/26/24 00:37
Matrix Spike	: WG2001587-6	MS Analysis Date	: 11/25/24 23:52
Matrix Spike Dup	: WG2001587-7	MSD Analysis Date	: 11/26/24 00:15

		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	14.	70		20	14.	70		0	40-140	30
3,3'-Dichlorobenzidine	ND	20	16.	80		20	17.	85		6	40-140	30
2,4-Dinitrotoluene	ND	20	14.	70		20	14.	70		0	48-143	30
2,6-Dinitrotoluene	ND	20	13.	65		20	14.	70		7	40-140	30
4-Chlorophenyl phenyl ether	ND	20	12.	60		20	12.	60		0	40-140	30
4-Bromophenyl phenyl ether	ND	20	12.	60		20	13.	65		8	40-140	30
Bis(2-chloroisopropyl)ether	ND	20	14.	70		20	15.	75		7	40-140	30
Bis(2-chloroethoxy)methane	ND	20	14.	70		20	15.	75		7	40-140	30
Hexachlorocyclopentadiene	ND	20	5.0J	25	Q	20	5.3J	27	Q	6	40-140	30
Isophorone	ND	20	13.	65		20	14.	70		7	40-140	30
Nitrobenzene	ND	20	13.	65		20	16.	80		21	40-140	30
NDPA/DPA	ND	20	13.	65		20	13.	65		0	40-140	30
n-Nitrosodi-n-propylamine	ND	20	13.	65		20	15.	75		14	29-132	30
Bis(2-ethylhexyl)phthalate	ND	20	15.	75		20	16.	80		6	40-140	30
Butyl benzyl phthalate	ND	20	15.	75		20	16.	80		6	40-140	30
Di-n-butylphthalate	ND	20	14.	70		20	14.	70		0	40-140	30
Di-n-octylphthalate	ND	20	15.	75		20	16.	80		6	40-140	30
Diethyl phthalate	ND	20	13.	65		20	13.	65		0	40-140	30
Dimethyl phthalate	ND	20	12.	60		20	13.	65		8	40-140	30
Biphenyl	ND	20	15.	75		20	16.	80		6	40-140	30
4-Chloroaniline	ND	20	11.	55		20	12.	60		9	40-140	30
2-Nitroaniline	ND	20	14.	70		20	16.	80		13	52-143	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2467934-05	Analysis Date	: 11/26/24 00:37
Matrix Spike	: WG2001587-6	MS Analysis Date	: 11/25/24 23:52
Matrix Spike Dup	: WG2001587-7	MSD Analysis Date	: 11/26/24 00:15

		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	14.	70		20	13.	65		7	25-145	30
4-Nitroaniline	ND	20	15.	75		20	16.	80		6	51-143	30
Dibenzofuran	ND	20	12.	60		20	13.	65		8	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	13.	65		20	14.	70		7	2-134	30
Acetophenone	ND	20	16.	80		20	18.	90		12	39-129	30
2,4,6-Trichlorophenol	ND	20	13.	65		20	14.	70		7	30-130	30
p-Chloro-m-cresol	ND	20	13.	65		20	13.	65		0	23-97	30
2-Chlorophenol	ND	20	11.	55		20	13.	65		17	27-123	30
2,4-Dichlorophenol	ND	20	13.	65		20	14.	70		7	30-130	30
2,4-Dimethylphenol	ND	20	8.1	41		20	7.8	39		4	30-130	30
2-Nitrophenol	ND	20	13.	65		20	14.	70		7	30-130	30
4-Nitrophenol	ND	20	6.9J	35		20	7.3J	37		6	10-80	30
2,4-Dinitrophenol	ND	20	ND	0	Q	20	ND	0	Q	NC	20-130	30
4,6-Dinitro-o-cresol	ND	20	6.4J	32		20	7.3J	37		13	20-164	30
Phenol	ND	20	5.6	28		20	6.0	30		7	12-110	30
2-Methylphenol	ND	20	10.	50		20	11.	55		10	30-130	30
3-Methylphenol/4-Methylphenol	ND	20	9.7	49		20	11.	55		13	30-130	30
2,4,5-Trichlorophenol	ND	20	14.	70		20	14.	70		0	30-130	30
Carbazole	ND	20	14.	70		20	15.	75		7	55-144	30
Atrazine	ND	20	16.	80		20	17.	85		6	40-140	30
Benzaldehyde	ND	20	18.	90		20	20.	100		11	40-140	30
Caprolactam	ND	20	5.6J	28		20	5.4J	27		4	10-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2467934-05	Analysis Date	: 11/26/24 00:37
Matrix Spike	: WG2001587-6	MS Analysis Date	: 11/25/24 23:52
Matrix Spike Dup	: WG2001587-7	MSD Analysis Date	: 11/26/24 00:15

		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	14.	70	20	14.	70	0	40-140	30

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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	0.688	0.547	0.631	0.657	0.592	0.619	0.625	0.637	0.677	0.630	6.87
3) t	Pyridine	0.718	0.742	0.925	1.043	0.961	1.016	1.039	1.024	1.118	0.954	14.48
4) S	2-Fluorophenol	1.049	1.004	1.119	1.011	0.907	1.005	1.012	1.034	1.114	1.028	6.19
5) T	Aniline	1.820	1.428	1.670	1.497	1.407	1.535	1.513	1.561	1.671	1.567	8.42
6) t	2-Chlorophenol	1.412	1.055	1.248	1.201	1.124	1.210	1.219	1.242	1.314	1.225	8.34
7) S	Phenol-d6	1.562	1.289	1.387	1.281	1.108	1.276	1.276	1.308	1.365	1.317	9.16
8) T	Phenol	1.717	1.324	1.459	1.383	1.257	1.388	1.373	1.397	1.488	1.421	9.16
9) T	bis(2-Chloroethyl)ether	1.289	0.906	1.073	0.962	0.928	0.981	0.987	0.993	1.037	1.017	11.18
10) T	1,3-Dichlorobenzene	1.989	1.455	1.700	1.552	1.372	1.510	1.497	1.511	1.602	1.577	11.40
11) T	1,4-Dichlorobenzene	2.118	1.551	1.603	1.571	1.432	1.536	1.512	1.529	1.633	1.610	12.35
12) T	1,2-Dichlorobenzene	1.695	1.566	1.655	1.525	1.383	1.466	1.447	1.489	1.583	1.534	6.57
13) t	Benzyl alcohol	1.016	0.858	0.891	0.896	0.818	0.912	0.930	0.995	1.055	0.930	8.32
14) T	bis(2-chloroisopropyl)ether	2.239	1.745	1.843	1.773	1.610	1.706	1.707	1.728	1.793	1.794	9.98
15) T	2-Methylphenol	1.301	1.037	1.137	1.033	0.949	1.014	1.050	1.065	1.130	1.079	9.34
16) T	Hexachloroethane	0.791	0.505	0.620	0.596	0.507	0.543	0.558	0.571	0.615	0.589	14.63
17) T	n-Nitrosodi-n-propylamine	1.121	0.834	0.856	0.811	0.724	0.813	0.829	0.866	0.909	0.863	12.65
18) T	3-Methylphenol/4-Methylphenol	1.510	1.200	1.173	1.153	0.986	1.108	1.108	1.166	1.239	1.182	12.02
19) S	Nitrobenzene-d5	1.239	1.148	1.175	1.191	1.071	1.176	1.187	1.238	1.328	1.195	5.92
20) T	Nitrobenzene	1.353	1.122	1.287	1.162	1.081	1.203	1.212	1.254	1.326	1.222	7.51
21) T	Isophorone	2.724	2.161	2.268	2.038	1.932	2.172	2.181	2.313	2.433	2.247	10.29
22) T	2-Nitrophenol	0.655	0.587	0.609	0.564	0.538	0.598	0.623	0.674	0.721	0.619	9.18
23) T	2,4-Dimethylphenol	1.368	1.006	1.085	1.051	0.963	1.062	1.074	1.108	1.188	1.101	10.75
24) T	bis(2-Chloroethoxy)methane	1.605	1.319	1.550	1.332	1.236	1.352	1.353	1.401	1.451	1.400	8.36
25) T	2,4-Dichlorophenol	1.548	1.174	1.340	1.190	1.118	1.246	1.245	1.307	1.399	1.285	10.22
26) T	1,2,4-Trichlorobenzene	1.977	1.522	1.585	1.488	1.349	1.476	1.475	1.515	1.611	1.555	11.25
27) I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28) T	Benzaldehyde	0.535	0.565	0.698	0.703	0.698	0.762	0.770	0.814	0.786	0.703	13.73
29) T	Acetophenone	1.107	1.282	1.407	1.330	1.361	1.463	1.521	1.608	1.552	1.403	11.02
30) T	m-Toluidine			1.080	1.092	1.257	1.323	1.390	1.457	1.409	1.287	11.76
31) T	2-Chloroaniline	1.078	1.270	1.369	1.264	1.363	1.427	1.471	1.559	1.510	1.368	10.81
32) I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33) T	1,4-Dioxane		0.252	0.402	0.398	0.392	0.404	0.400	0.409	0.392	0.381	13.71
34) t	n-Nitrosodieth		0.349	0.372	0.347	0.382	0.401	0.414	0.437	0.420	0.390	8.57
35) T	n-Decane	0.828	1.074	1.101	0.967	1.017	1.097	1.087	1.158	1.107	1.048	9.45
36) t	n-Nitrosopyrro	0.287	0.406	0.461	0.431	0.441	0.486	0.521	0.550	0.537	0.458	17.68

Initial Calibration Summary
Form 6
Semivolatiles

Client	: **Alpha Geoscience**	**Lab Number**	: **L2467934**
Project Name	: **HUNTINGTON READY MIXED**	**Project Number**	: **20116**
Instrument ID	: **DAKOTA**	**Ical Ref**	: **ICAL21680**
Calibration dates	: **11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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) I	IS1_Naphthalene-d8	----------ISTD----------										
38) T	Naphthalene	1.453	1.116	1.167	1.048	0.965	1.022	1.010	1.038	1.082	1.100	13.19
39) T	Benzoic Acid					0.170	0.206	0.226	0.257	0.279	0.228	18.76
40) T	4-Chloroaniline	0.150	0.114	0.123	0.117	0.108	0.118	0.114	0.119	0.125	0.121	9.98
41) T	Hexachlorobutadiene	0.298	0.234	0.285	0.254	0.231	0.250	0.249	0.255	0.270	0.258	8.55
42) T	p-Chloro-m-cresol	0.342	0.278	0.308	0.267	0.246	0.280	0.275	0.298	0.315	0.290	9.94
43) T	2-Methylnaphthalene	1.045	0.738	0.807	0.705	0.659	0.700	0.706	0.729	0.763	0.761	15.02
44) T	1-Methylnaphthalene	0.321	0.228	0.254	0.233	0.207	0.232	0.225	0.231	0.246	0.242	13.41
45) T	Hexachlorocyclopentadiene	0.297	0.225	0.280	0.262	0.240	0.269	0.274	0.291	0.311	0.272	10.00
46) T	2,4,6-Trichlorophenol	0.326	0.279	0.279	0.267	0.250	0.278	0.282	0.300	0.320	0.287	8.51
47) T	2,4,5-Trichlorophenol	0.399	0.300	0.312	0.309	0.278	0.301	0.313	0.325	0.347	0.320	10.95
48) S	2-Fluorobiphenyl	1.386	0.978	1.052	0.941	0.852	0.912	0.902	0.920	0.968	0.990	16.04
49) T	2-Chloronaphthalene	1.113	0.897	0.884	0.813	0.728	0.799	0.774	0.811	0.853	0.852	13.02
50) T	2-Nitroaniline	0.220	0.198	0.212	0.207	0.184	0.216	0.223	0.243	0.260	0.218	10.43
51) T	1,4-Dinitrobenzene	0.093	0.063	0.090	0.090	0.086	0.094	0.101	0.113	0.122	0.095	17.69
52) T	1,3-Dinitrobenzene	0.108	0.093	0.120	0.105	0.098	0.114	0.117	0.129	0.137	0.113	12.53
53) T	Dimethyl phthalate	1.318	0.991	1.021	0.936	0.866	0.923	0.912	0.953	0.998	0.991	13.29
54) T	Acenaphthylene	1.586	1.204	1.302	1.203	1.092	1.183	1.181	1.230	1.286	1.252	11.14
55) T	2,6-Dinitrotoluene	0.192	0.157	0.185	0.174	0.167	0.186	0.187	0.201	0.215	0.185	9.50
56) T	1,2-Dinitrobenzene		0.043	0.065	0.067	0.062	0.070	0.069	0.073	0.080	0.066	16.02
57) I	IS2_Naphthalene-d8	----------ISTD----------										
58) T	a-Terpineol	0.162	0.210	0.212	0.213	0.210	0.235	0.239	0.261	0.251	0.221	13.16
59) T	3-Chloroaniline		0.086	0.112	0.111	0.106	0.125	0.121	0.129	0.125	0.115	12.17
60) T	2,6-Dichlorophenol	0.250	0.246	0.297	0.277	0.286	0.319	0.317	0.339	0.329	0.296	11.35
61) T	1-chloro-2-nitrobenzene	0.068	0.091	0.114	0.114	0.114	0.126	0.124	0.137	0.133	0.113	19.26
62) T	Caprolactam	0.115	0.103	0.112	0.114	0.113	0.127	0.132	0.146	0.142	0.123	12.07
63) T	1,2,4,5-Tetrachlorobenzene	0.355	0.419	0.415	0.393	0.401	0.437	0.417	0.450	0.429	0.413	6.76
64) T	Biphenyl	0.719	0.789	0.880	0.804	0.823	0.897	0.870	0.918	0.876	0.842	7.51
65) I	IS1_Acenaphthene-d10	----------ISTD----------										
66) T	3-Nitroaniline	0.312	0.289	0.294	0.288	0.284	0.310	0.324	0.332	0.349	0.309	7.30
67) T	Acenaphthene	1.665	1.203	1.195	1.092	1.004	1.062	1.049	1.077	1.122	1.163	17.13
68) T	2,4-Dinitrophenol				0.130	0.149	0.172	0.185	0.208	0.226	*L	0.9959
69) T	Dibenzofuran	2.796	2.124	2.085	1.944	1.749	1.824	1.814	1.833	1.885	2.006	16.04
70) T	2,4-Dinitrotoluene	0.373	0.326	0.366	0.349	0.361	0.402	0.410	0.433	0.464	0.387	11.29
71) T	4-Nitrophenol	0.229	0.206	0.209	0.221	0.208	0.233	0.237	0.255	0.273	0.230	9.86
72) T	2,3,5,6-Tetrachlorophenol	0.465	0.419	0.459	0.406	0.390	0.425	0.429	0.454	0.481	0.436	6.86

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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	2,3,4,6-Tetrachlorophenol	0.536	0.376	0.418	0.411	0.383	0.413	0.421	0.432	0.461	0.428	11.15	
74)	T	Diethyl phthalate	2.187	1.601	1.621	1.458	1.366	1.435	1.445	1.489	1.570	1.575	15.53	
75)	T	Fluorene	2.060	1.606	1.598	1.495	1.311	1.420	1.399	1.439	1.498	1.536	14.16	
76)	T	4-Chlorophenyl-phenylether	1.099	0.823	0.819	0.767	0.683	0.722	0.716	0.736	0.762	0.792	15.66	
77)	T	4-Nitroaniline	0.236	0.258	0.299	0.296	0.275	0.312	0.317	0.337	0.357	0.299	12.76	
78)	T	4,6-Dinitro-o-cresol	0.240	0.149	0.221	0.215	0.210	0.242	0.251	0.278	0.300	0.234	18.54	
79)	T	NDPA/DPA	1.902	1.355	1.398	1.272	1.134	1.220	1.202	1.245	1.300	1.337	16.94	
80)	T	Azobenzene	1.550	1.299	1.365	1.219	1.116	1.216	1.210	1.254	1.298	1.281	9.61	
81)	S	2,4,6-Tribromophenol	0.315	0.286	0.278	0.265	0.249	0.272	0.276	0.299	0.332	0.286	8.99	
82)	T	4-Bromophenyl-phenylether	0.722	0.544	0.560	0.476	0.442	0.474	0.474	0.485	0.517	0.522	16.10	
83)	T	Hexachlorobenzene	0.895	0.718	0.682	0.616	0.571	0.586	0.579	0.605	0.656	0.656	15.60	
84)	T	Pentachlorophenol	0.372	0.280	0.312	0.320	0.315	0.357	0.379	0.412	0.455	0.356	15.51	
85)	I	IS2_Acenaphthene-d10	----------ISTD----------											
86)	T	Dichloran		0.151	0.132	0.142	0.146	0.165	0.185	0.214	0.217	0.169	19.47	
87)	T	Pentachloronitrobenzene			0.157	0.173	0.164	0.181	0.190	0.220	0.221	0.187	13.74	
88)	I	IS3_Acenaphthene-d10	----------ISTD----------											
89)	T	Atrazine	0.307	0.322	0.368	0.285	0.313	0.342	0.350	0.401	0.400	0.343	11.90	
90)	I	IS1_Phenanthrene-d10	----------ISTD----------											
91)	T	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11	
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06	
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14	
94)	T	Di-n-butylphthalate	1.417	1.094	1.207	1.105	1.064	1.185	1.204	1.275	1.309	1.207	9.42	
95)	T	Fluoranthene	1.943	1.443	1.460	1.351	1.250	1.321	1.315	1.344	1.374	1.422	14.44	
96)	T	Benzidine	0.815	0.657	0.698	0.696	0.708	0.801	0.818	0.853	0.900	0.772	10.90	
97)	T	Pyrene	2.028	1.546	1.562	1.479	1.353	1.429	1.397	1.427	1.456	1.520	13.29	
98)	S	4-Terphenyl-d14	1.660	1.139	1.202	1.092	1.007	1.066	1.052	1.085	1.114	1.157	16.95	
99)	T	Butyl benzyl phthalate	0.567	0.415	0.479	0.447	0.453	0.520	0.541	0.594	0.635	0.517	14.34	
100)	I	IS2_Phenanthrene-d10	----------ISTD----------											
101)	T	Diphenamid	0.347	0.380	0.392	0.377	0.390	0.434	0.456	0.494	0.474	0.416	12.13	
102)	I	IS3_Phenanthrene-d10	----------ISTD----------											
103)	T	n-Octadecane	0.279	0.354	0.355	0.289	0.309	0.332	0.347	0.369	0.369	0.334	10.10	
104)	T	Parathion			0.076	0.062	0.069	0.074	0.086	0.106	0.115		*Q	0.9978
105)	T	3,3'-Dimethylbenzidine				0.425	0.542	0.649	0.734	0.845	0.870		*L	0.9972
106)	I	IS1_Chrysene-d12	----------ISTD----------											
107)	T	Benzo[a]anthracene	1.869	1.383	1.408	1.283	1.164	1.251	1.262	1.278	1.301	1.355	15.16	
108)	T	3,3'-Dichlorobenzidine	0.587	0.439	0.489	0.467	0.455	0.503	0.519	0.533	0.552	0.505	9.52	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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	Chrysene	1.959	1.373	1.454	1.290	1.162	1.224	1.199	1.230	1.250	1.349	18.23
110)	T	bis(2-Ethylhexyl)phthalate	0.831	0.597	0.665	0.632	0.630	0.732	0.775	0.822	0.855	0.726	13.56
111)	T	Di-n-octylphthalate	1.380	1.021	1.044	1.017	1.027	1.217	1.316	1.411	1.473	1.212	15.54
112)	T	Benzo(b)fluoranthene	1.822	1.402	1.469	1.372	1.282	1.313	1.333	1.348	1.437	1.420	11.43
113)	T	Benzo(k)fluoranthene	1.743	1.264	1.425	1.314	1.209	1.355	1.362	1.367	1.409	1.383	10.93
114)	T	Benzo(a)pyrene	1.495	1.196	1.246	1.206	1.127	1.232	1.262	1.289	1.349	1.267	8.34
115)	I	IS1_Perylene-d12	----------ISTD----------										
116)	T	Indeno(1,2,3-cd)pyrene	1.598	1.131	1.193	1.086	1.057	1.169	1.203	1.283	1.387	1.234	13.71
117)	T	Dibenzo[a,h]anthracene	1.503	1.130	1.213	1.140	1.076	1.169	1.186	1.217	1.281	1.213	10.21
118)	T	Benzo(g,h,i)perylene	1.547	1.172	1.230	1.097	1.024	1.118	1.137	1.171	1.234	1.192	12.43

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: DAKOTA		Calibration Date	: 11/23/24 13:41	
Lab File ID	: ABN1123		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2001490-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
n-Nitrosodimethylamine	0.63	0.686	-	-8.9	20	102	0
Pyridine	0.954	1.046	-	-9.6	20	95	0
2-Fluorophenol	1.028	0.992	-	3.5	20	91	0
Aniline	1.567	1.635	-	-4.3	20	98	0
2-Chlorophenol	1.225	1.224	-	0.1	20	93	0
Phenol-d6	1.317	1.347	-	-2.3	20	97	0
Phenol	1.421	1.455	-	-2.4	20	97	0
Bis(2-chloroethyl)ether	1.017	1.037	-	-2	20	98	0
1,3-Dichlorobenzene	1.577	1.486	-	5.8	20	91	0
1,4-Dichlorobenzene	1.61	1.531	-	4.9	20	92	0
1,2-Dichlorobenzene	1.534	1.481	-	3.5	20	93	0
Benzyl alcohol	0.93	0.961	-	-3.3	20	97	0
Bis(2-chloroisopropyl)ethe	1.794	1.862	-	-3.8	20	101	0
2-Methylphenol	1.079	1.096	-	-1.6	20	100	0
Hexachloroethane	0.589	0.523	-	11.2	20	89	0
n-Nitrosodi-n-propylamine	0.863	0.873	-	-1.2	20	99	0
3-Methylphenol/4-Methylphe	1.182	1.218	-	-3	20	102	0
Nitrobenzene-d5	1.195	1.271	-	-6.4	20	100	0
Nitrobenzene	1.222	1.308	-	-7	20	100	0
Isophorone	2.247	2.337	-	-4	20	99	0
2-Nitrophenol	0.619	0.679	-	-9.7	20	105	0
2,4-Dimethylphenol	1.101	1.118	-	-1.5	20	97	0
Bis(2-chloroethoxy)methane	1.4	1.441	-	-2.9	20	98	0
2,4-Dichlorophenol	1.285	1.288	-	-0.2	20	96	0
1,2,4-Trichlorobenzene	1.555	1.473	-	5.3	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	98	0
Naphthalene	1.1	1.016	-	7.6	20	97	0
Benzoic Acid	0.228	0.195	-	14.5	20	93	0
4-Chloroaniline	0.121	0.118	-	2.5	20	98	0
Hexachlorobutadiene	0.258	0.219	-	15.1	20	86	0
p-Chloro-m-cresol	0.29	0.287	-	1	20	101	0
2-Methylnaphthalene	0.761	0.717	-	5.8	20	100	0
1-Methylnaphthalene	0.242	0.224	-	7.4	20	95	0
Hexachlorocyclopentadiene	0.272	0.254	-	6.6	20	93	0
2,4,6-Trichlorophenol	0.287	0.294	-	-2.4	20	104	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	103	0
2-Fluorobiphenyl	0.99	0.909	-	8.2	20	98	0
2-Chloronaphthalene	0.852	0.794	-	6.8	20	97	0
2-Nitroaniline	0.218	0.236	-	-8.3	20	107	0
1,4-Dinitrobenzene	0.095	0.11	-	-15.8	20	114	0
1,3-Dinitrobenzene	0.113	0.126	-	-11.5	20	108	0
Dimethyl phthalate	0.991	0.957	-	3.4	20	102	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: DAKOTA		Calibration Date	: 11/23/24 13:41	
Lab File ID	: ABN1123		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2001490-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.232	-	1.6	20	102	0
2,6-Dinitrotoluene	0.185	0.193	-	-4.3	20	102	0
1,2-Dinitrobenzene	0.066	0.073	-	-10.6	20	102	0
IS1_Acenaphthene-d10	1	1	-	0	20	104	0
3-Nitroaniline	0.309	0.333	-	-7.8	20	112	0
Acenaphthene	1.163	1.032	-	11.3	20	101	0
2,4-Dinitrophenol	0.188	0.166	-	11.7	20	100	0
Dibenzofuran	2.006	1.821	-	9.2	20	104	0
2,4-Dinitrotoluene	0.387	0.417	-	-7.8	20	108	0
4-Nitrophenol	0.23	0.258	-	-12.2	20	115	0
2,3,5,6-Tetrachlorophenol	0.436	0.439	-	-0.7	20	107	0
2,3,4,6-Tetrachlorophenol	0.428	0.42	-	1.9	20	106	0
Diethyl phthalate	1.575	1.416	-	10.1	20	103	0
Fluorene	1.536	1.411	-	8.1	20	103	0
4-Chlorophenyl phenyl ethe	0.792	0.699	-	11.7	20	101	0
4-Nitroaniline	0.299	0.353	-	-18.1	20	117	0
4,6-Dinitro-o-cresol	0.234	0.247	-	-5.6	20	106	0
NDPA/DPA	1.337	1.238	-	7.4	20	106	0
Azobenzene	1.281	1.239	-	3.3	20	106	0
2,4,6-Tribromophenol	0.286	0.285	-	0.3	20	109	0
4-Bromophenyl phenyl ether	0.522	0.465	-	10.9	20	102	0
Hexachlorobenzene	0.656	0.582	-	11.3	20	103	0
Pentachlorophenol	0.356	0.388	-	-9	20	113	0
IS1_Phenanthrene-d10	1	1	-	0	20	107	0
Phenanthrene	1.183	1.078	-	8.9	20	106	0
Anthracene	1.16	1.09	-	6	20	108	0
Carbazole	1.064	1.056	-	0.8	20	111	0
Di-n-butylphthalate	1.207	1.142	-	5.4	20	103	0
Fluoranthene	1.422	1.334	-	6.2	20	108	0
Benzidine	0.772	0.816	-	-5.7	20	109	0
Pyrene	1.52	1.465	-	3.6	20	110	0
4-Terphenyl-d14	1.157	1.066	-	7.9	20	107	0
Butyl benzyl phthalate	0.517	0.53	-	-2.5	20	109	0
IS1_Chrysene-d12	1	1	-	0	20	113	0
Benzo(a)anthracene	1.355	1.24	-	8.5	20	112	0
3,3'-Dichlorobenzidine	0.505	0.495	-	2	20	111	0
Chrysene	1.349	1.189	-	11.9	20	110	0
Bis(2-ethylhexyl)phthalate	0.726	0.692	-	4.7	20	107	0
Di-n-octylphthalate	1.212	1.162	-	4.1	20	108	0
Benzo(b)fluoranthene	1.42	1.329	-	6.4	20	115	0
Benzo(k)fluoranthene	1.383	1.348	-	2.5	20	113	0
Benzo(a)pyrene	1.267	1.237	-	2.4	20	114	0
IS1_Perylene-d12	1	1	-	0	20	116	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/23/24 13:41	
Lab File ID	: ABN1123		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2001490-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.149	-	6.9	20	114	0
Dibenzo(a,h)anthracene	1.213	1.126	-	7.2	20	111	0
Benzo(ghi)perylene	1.192	1.11	-	6.9	20	115	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
n-Nitrosodimethylamine	0.63	0.717	-	-13.8	20	111	0
Pyridine	0.954	1.128	-	-18.2	20	106	0
2-Fluorophenol	1.028	1.093	-	-6.3	20	104	0
Aniline	1.567	1.723	-	-10	20	107	0
2-Chlorophenol	1.225	1.301	-	-6.2	20	103	0
Phenol-d6	1.317	1.434	-	-8.9	20	107	0
Phenol	1.421	1.567	-	-10.3	20	108	0
Bis(2-chloroethyl)ether	1.017	1.095	-	-7.7	20	107	0
1,3-Dichlorobenzene	1.577	1.613	-	-2.3	20	102	0
1,4-Dichlorobenzene	1.61	1.638	-	-1.7	20	102	0
1,2-Dichlorobenzene	1.534	1.609	-	-4.9	20	105	0
Benzyl alcohol	0.93	0.978	-	-5.2	20	103	0
Bis(2-chloroisopropyl)ethe	1.794	1.946	-	-8.5	20	109	0
2-Methylphenol	1.079	1.151	-	-6.7	20	109	0
Hexachloroethane	0.589	0.587	-	0.3	20	103	0
n-Nitrosodi-n-propylamine	0.863	0.869	-	-0.7	20	102	0
3-Methylphenol/4-Methylphe	1.182	1.225	-	-3.6	20	106	0
Nitrobenzene-d5	1.195	1.304	-	-9.1	20	106	0
Nitrobenzene	1.222	1.344	-	-10	20	107	0
Isophorone	2.247	2.26	-	-0.6	20	100	0
2-Nitrophenol	0.619	0.7	-	-13.1	20	112	0
2,4-Dimethylphenol	1.101	1.134	-	-3	20	102	0
Bis(2-chloroethoxy)methane	1.4	1.421	-	-1.5	20	100	0
2,4-Dichlorophenol	1.285	1.306	-	-1.6	20	100	0
1,2,4-Trichlorobenzene	1.555	1.528	-	1.7	20	99	0
IS1_Naphthalene-d8	1	1	-	0	20	98	0
Naphthalene	1.1	1.08	-	1.8	20	103	0
Benzoic Acid	0.228	0.159	-	30.3*	20	76	0
4-Chloroaniline	0.121	0.119	-	1.7	20	98	0
Hexachlorobutadiene	0.258	0.24	-	7	20	94	0
p-Chloro-m-cresol	0.29	0.289	-	0.3	20	101	0
2-Methylnaphthalene	0.761	0.738	-	3	20	103	0
1-Methylnaphthalene	0.242	0.234	-	3.3	20	98	0
Hexachlorocyclopentadiene	0.272	0.262	-	3.7	20	95	0
2,4,6-Trichlorophenol	0.287	0.28	-	2.4	20	98	0
2,4,5-Trichlorophenol	0.32	0.309	-	3.4	20	100	0
2-Fluorobiphenyl	0.99	0.903	-	8.8	20	97	0
2-Chloronaphthalene	0.852	0.808	-	5.2	20	99	0
2-Nitroaniline	0.218	0.223	-	-2.3	20	100	0
1,4-Dinitrobenzene	0.095	0.105	-	-10.5	20	108	0
1,3-Dinitrobenzene	0.113	0.12	-	-6.2	20	102	0
Dimethyl phthalate	0.991	0.895	-	9.7	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: DAKOTA		Calibration Date	: 11/24/24 08:42	
Lab File ID	: ABN1124		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2001636-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.198	-	4.3	20	99	0
2,6-Dinitrotoluene	0.185	0.186	-	-0.5	20	98	0
1,2-Dinitrobenzene	0.066	0.072	-	-9.1	20	101	0
IS1_Acenaphthene-d10	1	1	-	0	20	95	0
3-Nitroaniline	0.309	0.338	-	-9.4	20	104	0
Acenaphthene	1.163	1.091	-	6.2	20	98	0
2,4-Dinitrophenol	0.188	0.157	-	16.5	20	87	0
Dibenzofuran	2.006	1.925	-	4	20	100	0
2,4-Dinitrotoluene	0.387	0.426	-	-10.1	20	101	0
4-Nitrophenol	0.23	0.265	-	-15.2	20	108	0
2,3,5,6-Tetrachlorophenol	0.436	0.447	-	-2.5	20	100	0
2,3,4,6-Tetrachlorophenol	0.428	0.435	-	-1.6	20	100	0
Diethyl phthalate	1.575	1.438	-	8.7	20	95	0
Fluorene	1.536	1.466	-	4.6	20	98	0
4-Chlorophenyl phenyl ethe	0.792	0.721	-	9	20	95	0
4-Nitroaniline	0.299	0.359	-	-20.1*	20	109	0
4,6-Dinitro-o-cresol	0.234	0.24	-	-2.6	20	95	0
NDPA/DPA	1.337	1.278	-	4.4	20	100	0
Azobenzene	1.281	1.284	-	-0.2	20	101	0
2,4,6-Tribromophenol	0.286	0.286	-	0	20	100	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	96	0
Hexachlorobenzene	0.656	0.576	-	12.2	20	94	0
Pentachlorophenol	0.356	0.399	-	-12.1	20	106	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.183	1.152	-	2.6	20	99	0
Anthracene	1.16	1.17	-	-0.9	20	101	0
Carbazole	1.064	1.125	-	-5.7	20	103	0
Di-n-butylphthalate	1.207	1.141	-	5.5	20	90	0
Fluoranthene	1.422	1.426	-	-0.3	20	101	0
Benzidine	0.772	0.864	-	-11.9	20	101	0
Pyrene	1.52	1.541	-	-1.4	20	101	0
4-Terphenyl-d14	1.157	1.114	-	3.7	20	98	0
Butyl benzyl phthalate	0.517	0.545	-	-5.4	20	98	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.355	1.316	-	2.9	20	106	0
3,3'-Dichlorobenzidine	0.505	0.533	-	-5.5	20	107	0
Chrysene	1.349	1.288	-	4.5	20	106	0
Bis(2-ethylhexyl)phthalate	0.726	0.694	-	4.4	20	95	0
Di-n-octylphthalate	1.212	1.208	-	0.3	20	100	0
Benzo(b)fluoranthene	1.42	1.452	-	-2.3	20	111	0
Benzo(k)fluoranthene	1.383	1.47	-	-6.3	20	109	0
Benzo(a)pyrene	1.267	1.368	-	-8	20	112	0
IS1_Perylene-d12	1	1	-	0	20	106	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.239	-	-0.4	20	113	0
Dibenzo(a,h)anthracene	1.213	1.242	-	-2.4	20	113	0
Benzo(ghi)perylene	1.192	1.221	-	-2.4	20	116	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: DAKOTA		Calibration Date	: 11/25/24 20:52	
Lab File ID	: ABN1125N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2002259-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	138	0
n-Nitrosodimethylamine	0.63	0.669	-	-6.2	20	150	0
Pyridine	0.954	1.086	-	-13.8	20	148	0
2-Fluorophenol	1.028	1.034	-	-0.6	20	143	0
Aniline	1.567	1.614	-	-3	20	146	0
2-Chlorophenol	1.225	1.238	-	-1.1	20	142	0
Phenol-d6	1.317	1.359	-	-3.2	20	147	0
Phenol	1.421	1.475	-	-3.8	20	147	0
Bis(2-chloroethyl)ether	1.017	1.018	-	-0.1	20	144	0
1,3-Dichlorobenzene	1.577	1.459	-	7.5	20	134	0
1,4-Dichlorobenzene	1.61	1.468	-	8.8	20	132	0
1,2-Dichlorobenzene	1.534	1.442	-	6	20	136	0
Benzyl alcohol	0.93	1.001	-	-7.6	20	152	0
Bis(2-chloroisopropyl)ethe	1.794	1.857	-	-3.5	20	151	0
2-Methylphenol	1.079	1.097	-	-1.7	20	150	0
Hexachloroethane	0.589	0.546	-	7.3	20	139	0
n-Nitrosodi-n-propylamine	0.863	0.901	-	-4.4	20	154	0
3-Methylphenol/4-Methylphe	1.182	1.194	-	-1	20	149	0
Nitrobenzene-d5	1.195	1.285	-	-7.5	20	151	0
Nitrobenzene	1.222	1.292	-	-5.7	20	149	0
Isophorone	2.247	2.342	-	-4.2	20	149	0
2-Nitrophenol	0.619	0.669	-	-8.1	20	155	0
2,4-Dimethylphenol	1.101	1.038	-	5.7	20	135	0
Bis(2-chloroethoxy)methane	1.4	1.446	-	-3.3	20	148	0
2,4-Dichlorophenol	1.285	1.336	-	-4	20	149	0
1,2,4-Trichlorobenzene	1.555	1.45	-	6.8	20	136	0
IS1_Naphthalene-d8	1	1	-	0	20	149	0
Naphthalene	1.1	0.986	-	10.4	20	143	0
Benzoic Acid	0.228	0.221	-	3.1	20	160	0
4-Chloroaniline	0.121	0.117	-	3.3	20	146	0
Hexachlorobutadiene	0.258	0.222	-	14	20	132	0
p-Chloro-m-cresol	0.29	0.293	-	-1	20	156	0
2-Methylnaphthalene	0.761	0.687	-	9.7	20	146	0
1-Methylnaphthalene	0.242	0.223	-	7.9	20	143	0
Hexachlorocyclopentadiene	0.272	0.212	-	22.1*	20	117	0
2,4,6-Trichlorophenol	0.287	0.284	-	1	20	152	0
2,4,5-Trichlorophenol	0.32	0.313	-	2.2	20	155	0
2-Fluorobiphenyl	0.99	0.879	-	11.2	20	143	0
2-Chloronaphthalene	0.852	0.761	-	10.7	20	142	0
2-Nitroaniline	0.218	0.232	-	-6.4	20	159	0
1,4-Dinitrobenzene	0.095	0.102	-	-7.4	20	161	0
1,3-Dinitrobenzene	0.113	0.123	-	-8.8	20	160	0
Dimethyl phthalate	0.991	0.924	-	6.8	20	149	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: DAKOTA		Calibration Date	: 11/25/24 20:52	
Lab File ID	: ABN1125N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2002259-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.191	-	4.9	20	150	0
2,6-Dinitrotoluene	0.185	0.193	-	-4.3	20	154	0
1,2-Dinitrobenzene	0.066	0.072	-	-9.1	20	152	0
IS1_Acenaphthene-d10	1	1	-	0	20	153	0
3-Nitroaniline	0.309	0.327	-	-5.8	20	161	0
Acenaphthene	1.163	1.044	-	10.2	20	150	0
2,4-Dinitrophenol	0.188	0.07	-	62.8*	20	62	0
Dibenzofuran	2.006	1.784	-	11.1	20	149	0
2,4-Dinitrotoluene	0.387	0.418	-	-8	20	159	0
4-Nitrophenol	0.23	0.242	-	-5.2	20	158	0
2,3,5,6-Tetrachlorophenol	0.436	0.448	-	-2.8	20	161	0
2,3,4,6-Tetrachlorophenol	0.428	0.429	-	-0.2	20	159	0
Diethyl phthalate	1.575	1.406	-	10.7	20	150	0
Fluorene	1.536	1.398	-	9	20	150	0
4-Chlorophenyl phenyl ethe	0.792	0.678	-	14.4	20	144	0
4-Nitroaniline	0.299	0.342	-	-14.4	20	167	0
4,6-Dinitro-o-cresol	0.234	0.151	-	35.5*	20	96	0
NDPA/DPA	1.337	1.217	-	9	20	152	0
Azobenzene	1.281	1.248	-	2.6	20	157	0
2,4,6-Tribromophenol	0.286	0.291	-	-1.7	20	163	0
4-Bromophenyl phenyl ether	0.522	0.457	-	12.5	20	147	0
Hexachlorobenzene	0.656	0.57	-	13.1	20	149	0
Pentachlorophenol	0.356	0.384	-	-7.9	20	164	0
IS1_Phenanthrene-d10	1	1	-	0	20	156	0
Phenanthrene	1.183	1.055	-	10.8	20	151	0
Anthracene	1.16	1.075	-	7.3	20	155	0
Carbazole	1.064	1.03	-	3.2	20	157	0
Di-n-butylphthalate	1.207	1.147	-	5	20	151	0
Fluoranthene	1.422	1.297	-	8.8	20	153	0
Benzidine	0.772	0.7	-	9.3	20	136	0
Pyrene	1.52	1.379	-	9.3	20	150	0
4-Terphenyl-d14	1.157	1.018	-	12	20	149	0
Butyl benzyl phthalate	0.517	0.533	-	-3.1	20	160	0
IS1_Chrysene-d12	1	1	-	0	20	161	0
Benzo(a)anthracene	1.355	1.225	-	9.6	20	158	0
3,3'-Dichlorobenzidine	0.505	0.49	-	3	20	156	0
Chrysene	1.349	1.156	-	14.3	20	152	0
Bis(2-ethylhexyl)phthalate	0.726	0.693	-	4.5	20	152	0
Di-n-octylphthalate	1.212	1.187	-	2.1	20	157	0
Benzo(b)fluoranthene	1.42	1.303	-	8.2	20	160	0
Benzo(k)fluoranthene	1.383	1.272	-	8	20	151	0
Benzo(a)pyrene	1.267	1.209	-	4.6	20	158	0
IS1_Perylene-d12	1	1	-	0	20	161	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/25/24 20:52	
Lab File ID	: ABN1125N		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2002259-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.138	-	7.8	20	157	0
Dibenzo(a,h)anthracene	1.213	1.093	-	9.9	20	150	0
Benzo(ghi)perylene	1.192	1.083	-	9.1	20	156	0

*** Value outside of QC limits.**

SVOC SIM Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D SIM Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2467934

8 Ground Water Samples, 1 Field Duplicate,
and 1 Field Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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: The analyses for the method blank WG2001354-1BLANK and the field blank reported target compounds as not detected.

Method blank WG2001588-1BLANK contained detection of all target compounds with 7 above the reporting limits. The results for all compounds should be considered rejected (R) in associated samples.

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 and field blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-5S.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

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 WG2001354-2/3 and WG2001588-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-7S/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/MS quantitation limits.

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

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: WG2001588-1	Date Collected	: NA
Client ID	: WG2001588-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/24/24 10:56
Sample Matrix	: WATER	Date Extracted	: 11/24/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 001588-1	Analyst	: KMH
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	0.13	0.10	0.02	
91-58-7	2-Chloronaphthalene	0.10	0.20	0.02	J
206-44-0	Fluoranthene	0.10	0.10	0.03	
87-68-3	Hexachlorobutadiene	0.17	0.50	0.02	J
91-20-3	Naphthalene	0.12	0.10	0.02	
56-55-3	Benzo(a)anthracene	0.09	0.10	0.03	J
50-32-8	Benzo(a)pyrene	0.07	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.07	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	0.09	0.10	0.03	J
218-01-9	Chrysene	0.07	0.10	0.03	J
208-96-8	Acenaphthylene	0.08	0.10	0.02	J
120-12-7	Anthracene	0.09	0.10	0.02	J
191-24-2	Benzo(ghi)perylene	0.06	0.10	0.02	J
86-73-7	Fluorene	0.11	0.10	0.03	
85-01-8	Phenanthrene	0.13	0.10	0.04	
53-70-3	Dibenzo(a,h)anthracene	0.07	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	0.10	0.02	J
129-00-0	Pyrene	0.10	0.10	0.04	
91-57-6	2-Methylnaphthalene	0.13	0.10	0.03	
87-86-5	Pentachlorophenol	0.10	0.80	0.06	J
118-74-1	Hexachlorobenzene	0.11	0.80	0.01	J
67-72-1	Hexachloroethane	0.13	0.80	0.02	J

1,4-Dioxane

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D SIM 1,4-Dioxane
Data for Alpha Analytical, SDG Number: L2467934

4 Ground Water Samples, 1 Field Duplicate,
and 1 Field Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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

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

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

Blanks: The analyses of the method and field 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-5S.

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 WG2001184-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-7S/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.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Pesticide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8081B Pesticide
Data for Alpha Analytical Labs
SDG Number: L2467934

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Equipment Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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-5S.

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 WG2001430-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-7S/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 average %D for toxaphene was above the allowable maximum (20%) for channel B on 11-25-24 (18241125B-05). The %D for endrin aldehyde was above the allowable maximum (20%) for channel B on 11-26-24 (18241125b-39). Positive results for these pesticides should be considered estimated (J) in associated samples.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

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 and pesticide results were within quantitation limits. The RPDs for dual column quantitation of detected pesticides were below the allowable maximum (25%), as required.

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	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: PEST18		Calibration Date	: 11/25/24 19:31	
Lab File ID	: 18241125b-05		Init. Calib. Date(s)	: 11/04/24	11/04/24
Sample No	: WG2002247-3		Init. Calib. Times	: 17:40	22:30
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	161	0
toxaphene-1	0.023	0.019	-	17.4	20	129	0
toxaphene-2	0.036	0.028	-	22.2*	20	132	0
toxaphene-3	0.042	0.032	-	23.8*	20	124	0
toxaphene-4	0.039	0.031	-	20.5*	20	131	0

Average %D = 21%

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: PEST18		Calibration Date	: 11/26/24 02:45	
Lab File ID	: 18241125b-39		Init. Calib. Date(s)	: 11/04/24	11/04/24
Sample No	: WG2002247-4		Init. Calib. Times	: 17:40	22:30
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	156	0
2,4,5,6-Tetrachloro-m-xyl	1.068	1.039	-	2.7	20	157	0
Hexachlorobenzene	1.166	0.979	-	16	20	143	0
alpha-BHC	1.483	1.387	-	6.5	20	142	0
gamma-BHC (lindane)	1.439	1.242	-	13.7	20	140	0
beta-BHC	0.644	0.551	-	14.4	20	142	0
delta-BHC	1.385	1.248	-	9.9	20	137	0
Heptachlor	1.324	1.15	-	13.1	20	134	0
Aldrin	1.229	1.162	-	5.5	20	146	0
Alachlor	0.181	0.198	-	-9.4	20	178	0
Chlorpyrifos	50	52.699	-	-5.4	20	147	0
Heptachlor Epoxide	1.215	1.075	-	11.5	20	143	0
gamma-Chlordane (trans)	1.098	1.133	-	-3.2	20	166	0
alpha-Chlordane (cis)	1.235	1.094	-	11.4	20	145	0
4,4'-DDE	1.187	1.094	-	7.8	20	141	0
Endosulfan I	1.157	1.04	-	10.1	20	146	0
Dieldrin	1.166	1.161	-	0.4	20	157	0
Endrin	1.19	1.08	-	9.2	20	144	0
4,4'-DDD	0.991	0.95	-	4.1	20	152	0
Endosulfan II	1.034	0.983	-	4.9	20	152	0
4,4'-DDT	1.1	0.911	-	17.2	20	132	0
Endrin Aldehyde	50	39.528	-	20.9*	20	124	0
Methoxychlor	50	42.098	-	15.8	20	121	0
Mirex	50	47.377	-	5.2	20	139	0
Endosulfan Sulfate	1.037	0.931	-	10.2	20	144	0
Endrin Ketone	1.109	1.005	-	9.4	20	145	0
Decachlorobiphenyl	50	35.282	-	29.4*	20	104	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: L2467934

8 Ground Water Samples, 1 Field Duplicate,
and 1 Field Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 on both columns for the ground water samples and field 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-5S.

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 WG2001590-2/3.

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-7S/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.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

PFAS

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 1633 PFAS Data
for Alpha Analytical Labs SDG Number: L2467934

4 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and Equipment Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 recoveries for target PFAS were within QC limits (70-130%), as required.

Blanks: The analysis of method blank reported target PFAS as not detected. The field blank contained a trace of 7:3FTCA (3.78 ng/L). Positive results for 7:3FTCA that are below the reporting limit (RL) should be reported as not detected (U) at the reporting limit in associated samples. Positive results for 7:3FTCA that are above the RL and less than ten times the highest blank level should be considered estimated, biased high (J+) in associated samples.

Surrogate Recovery: Two of twenty-four surrogate recoveries for samples MW-1S and MW-7S were above QC limits. Positive results associated with the surrogate below QC limits should be considered estimated (J) in the samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for 9 PFAS (highlighted yellow on attached Form 3) were above the allowable maximum; 1 of 2 percent recoveries (%Rs) for 3:3FTCA was above QC limits; and 1 of 2 %Rs for 13 PFAS (highlighted yellow on attached Form 3) were below QC limits, but not below 30% aqueous MS/MSD sample MW-5S. The "not detected" results for 13 PFAS with %Rs below QC limits should be considered estimated (UJ) in sample MW-5S.

Laboratory Control Sample: The percent recoveries for target PFAS were within QC limits for aqueous samples WG2012727-2 and WG2012727-3.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Field Duplicates: The relative percent differences for applicable PFAS were below the allowable maximum (20%) for aqueous field duplicate pair MW-7S/DUP (attached table), as required.

Compound ID: Checked detected surrogate and detected results were within LC quantitation limits.

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2467934-05	Analysis Date	: 12/23/24 22:57
Matrix Spike	: WG2012727-4	MS Analysis Date	: 12/23/24 23:05
Matrix Spike Dup	: WG2012727-5	MSD Analysis Date	: 12/23/24 23:14

		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)	0.542J	75.2	77.4	102	72.6	77.8	106	1	70-140	30
Perfluoropentanoic Acid (PFPeA)	ND	37.6	39.3	105	36.3	39.4	109	0	65-135	30
Perfluorobutanesulfonic Acid (PFBS)	ND	16.7	14.7	88	16.1	16.1	100	9	60-145	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	70.5	66.4	94	68	70.5	104	6	70-145	30
Perfluorohexanoic Acid (PFHxA)	0.346J	18.8	19.9	104	18.1	21.3	115	7	70-145	30
Perfluoropentanesulfonic Acid (PFPeS)	ND	17.7	16.6	94	17	18.1	106	9	65-140	30
Perfluoroheptanoic Acid (PFHpA)	ND	18.8	20.2	107	18.1	19.2	106	5	70-150	30
Perfluorohexanesulfonic Acid (PFHxS)	0.754J	17.2	16.1	89	16.6	16.4	94	2	65-145	30
Perfluorooctanoic Acid (PFOA)	1.26J	18.8	19.3	96	18.1	20.0	103	4	70-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	71.5	69.8	98	69	76.1	110	9	65-155	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	17.9	20.1	112	17.3	20.4	118	1	70-150	30
Perfluorononanoic Acid (PFNA)	ND	18.8	17.6	94	18.1	19.0	105	8	70-150	30
Perfluorooctanesulfonic Acid (PFOS)	1.40J	17.4	14.8	77	16.8	16.4	89	10	55-150	30
Perfluorodecanoic Acid (PFDA)	ND	18.8	14.3	76	18.1	16.4	90	14	70-140	30
1H,1H,2H,2H-Perfluorodecanesulfon	ND	72.2	54.2	75	69.7	66.5	96	20	60-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2467934-05	Analysis Date	: 12/23/24 22:57
Matrix Spike	: WG2012727-4	MS Analysis Date	: 12/23/24 23:05
Matrix Spike Dup	: WG2012727-5	MSD Analysis Date	: 12/23/24 23:14

		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	18.1	10.2	56	Q	17.5	12.8	73	23		65-145	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	18.8	9.92	53		18.1	16.7	92	51	Q	50-140	30
Perfluoroundecanoic Acid (PFUnA)	ND	18.8	10.3	55	Q	18.1	15.5	85	40	Q	70-145	30
Perfluorodecanesulfonic Acid (PFDS)	ND	18.1	7.51	41	Q	17.5	11.7	67	44	Q	60-145	30
Perfluorooctanesulfonamide (PFOSA)	ND	18.8	10.3	55	Q	18.1	14.4	79	33	Q	70-145	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	18.8	13.9	74		18.1	16.2	89	15		70-145	30
Perfluorododecanoic Acid (PFDoA)	ND	18.8	10.2	54	Q	18.1	14.4	79	34	Q	70-140	30
Perfluorotridecanoic Acid (PFTrDA)	ND	18.8	9.75	52	Q	18.1	14.4	79	39	Q	65-140	30
Perfluorotetradecanoic Acid (PFTeDA)	ND	18.8	10.8	57	Q	18.1	13.6	75	23		60-140	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	75.2	75.6	101		72.6	79.7	110	5		70-140	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	71.1	78.8	111		68.6	68.7	100	14		65-145	30
Perfluorododecanesulfonic Acid	ND	18.3	7.87	43	Q	17.6	10.4	59	28		50-145	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2467934-05	Analysis Date	: 12/23/24 22:57
Matrix Spike	: WG2012727-4	MS Analysis Date	: 12/23/24 23:05
Matrix Spike Dup	: WG2012727-5	MSD Analysis Date	: 12/23/24 23:14

		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	70.2	54.6	78		67.7	69.5	103	24	70-155	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	70.9	36.8	52	Q	68.4	53.0	77	36 Q	55-160	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	18.8	10.2	54	Q	18.1	13.1	72	25	60-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	18.8	10.7	57	Q	18.1	13.9	77	26	65-145	30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	188	95.3	51	Q	181	146	80	42 Q	70-145	30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	188	104	55	Q	181	159	88	42 Q	70-135	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	37.6	39.2	104		36.3	41.4	114	5	55-140	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	37.6	35.7	95		36.3	36.2	100	1	60-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	33.5	36.8	110		32.4	38.1	118	3	70-140	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	37.6	43.6	116		36.3	42.2	116	3	50-150	30
3-Perfluoropropyl Propanoic Acid	ND	94	117	124		90.7	123	136 Q	5	65-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2467934-05	Analysis Date	: 12/23/24 22:57
Matrix Spike	: WG2012727-4	MS Analysis Date	: 12/23/24 23:05
Matrix Spike Dup	: WG2012727-5	MSD Analysis Date	: 12/23/24 23:14

		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	470	487	104	454	454	100	7	70-135	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	470	282	60	454	312	69	10	50-145	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
MW-1S (L2467934-01)	72	85	90	228*	101	124	93
MW-5S (L2467934-05)	95	103	98	99	96	117	95
MW-7S (L2467934-07)	88	85	90	203*	98	110	86
MW-8S (L2467934-08)	66	61	64	128	61	82	61
DUP (L2467934-09)	69	67	67	148	70	84	67
FIELD BLANK (L2467934-10)	86	91	85	77	83	102	80
WG2012727-1BLANK	97	99	101	92	85	95	99
WG2012727-2LCS	85	93	90	83	80	74	87
WG2012727-3LCS	92	99	94	90	85	83	101
MW-5SMS	90	97	95	97	87	88	94
MW-5SMSD	94	89	104	104	82	87	95

QC LIMITS

(5-130) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
(40-130) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
(40-135) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
(40-200) S4 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]HEXANESULFONIC ACID (M2-4:2FTS)
(40-130) S5 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
(40-130) S6 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
(40-130) S7 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
MW-1S (L2467934-01)	67	349*	84	79	80	202	107
MW-5S (L2467934-05)	91	98	89	84	82	62	69
MW-7S (L2467934-07)	76	203*	86	88	85	110	86
MW-8S (L2467934-08)	56	111	61	64	62	64	60
DUP (L2467934-09)	58	147	61	63	68	75	60
FIELD BLANK (L2467934-10)	91	76	82	84	76	55	67
WG2012727-1BLANK	91	92	87	99	91	72	79
WG2012727-2LCS	87	78	84	79	86	61	68
WG2012727-3LCS	101	88	97	94	92	66	75
MW-5SMS	89	93	87	79	75	57	61
MW-5SMSD	98	96	94	83	86	62	64

QC LIMITS

(40-130) S8 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)
(40-200) S9 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(40-130) S10 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(40-130) S11 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(40-130) S12 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(40-300) S13 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(40-170) S14 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)

* Values outside of QC limits

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()
MW-1S (L2467934-01)	74	76	85	68	59	100	56
MW-5S (L2467934-05)	78	74	58	69	65	104	55
MW-7S (L2467934-07)	80	63	67	70	60	93	64
MW-8S (L2467934-08)	69	52	52	56	46	61	51
DUP (L2467934-09)	61	54	49	56	49	74	51
FIELD BLANK (L2467934-10)	80	80	56	68	63	87	70
WG2012727-1BLANK	87	91	63	85	81	92	49
WG2012727-2LCS	83	80	63	78	73	84	55
WG2012727-3LCS	81	90	65	77	78	97	64
MW-5SMS	70	70	47	65	60	101	70
MW-5SMSD	77	73	54	68	67	92	65

QC LIMITS

(30-130) S15 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)
(40-130) S16 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(25-135) S17 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(10-130) S18 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(10-130) S19 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)
(40-130) S20 = 2,3,3,3-TETRAFLUORO-2-[1,1,2,2,3,3,3-HEPTAFLUOROPROPOXY]-13C3-PROPANOIC ACID (M3HFPO-DA)
(10-130) S21 = N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDE (D3-NMEFOSA)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S22 ()	S23 ()	S24 ()	S25 ()	S26 ()	S27 ()	S28 ()	TOT OUT
MW-1S (L2467934-01)	53	61	57	--	--	--	--	2
MW-5S (L2467934-05)	62	80	81	--	--	--	--	0
MW-7S (L2467934-07)	63	76	76	--	--	--	--	2
MW-8S (L2467934-08)	55	62	62	--	--	--	--	0
DUP (L2467934-09)	52	59	60	--	--	--	--	0
FIELD BLANK (L2467934-10)	75	86	85	--	--	--	--	0
WG2012727-1BLANK	50	85	83	--	--	--	--	0
WG2012727-2LCS	60	84	85	--	--	--	--	0
WG2012727-3LCS	70	95	95	--	--	--	--	0
MW-5SMS	67	79	77	--	--	--	--	0
MW-5SMSD	62	78	76	--	--	--	--	0

QC LIMITS
(10-130) S22 = N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDE (D5-NETFOSA)
(10-130) S23 = 2-(N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D7-NMEFOSE)
(10-130) S24 = 2-(N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D9-NETFOSE)

* Values outside of QC limits

FORM II A2-NY-1633 (Continued)

Herbicide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8151 Herbicide
Data for Alpha Analytical Labs
SDG Number: L2467934

8 Ground Water Samples, 1 Field Duplicate,
and 1 Field Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 and field blank.

Matrix Spike/Matrix Spike Duplicate: The percent recoveries for target herbicides were within QC limits, but the relative percent differences for target herbicides were above the allowable maximum for aqueous MS/MSD sample MW-5S. Sample MW-5S reported these compounds as "not detected"; therefore, no action is taken.

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 WG2000586-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-7S/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 target herbicides were below the allowable maximum (15%) for both channels, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of ground water samples reported target herbicides as not detected.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Matrix Spike Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2467934-05	Analysis Date	: 11/23/24 13:33
Matrix Spike	: WG2000586-4	MS Analysis Date	: 11/23/24 13:51
Matrix Spike Dup	: WG2000586-5	MSD Analysis Date	: 11/23/24 14:10

		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	3.63J	73	5	2.60J	52	33 Q	30-150	25
2,4,5-T	ND	5	3.94	79	5	2.88	58	31 Q	30-150	25
2,4,5-TP (Silvex)	ND	5	3.56	71	5	2.56	51	33 Q	30-150	25

Metals Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of TAL Metals Data
for Alpha Analytical Labs
SDG Number: L2467934

8 Ground Water Samples, 1 Field Duplicate,
and 1 Field Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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, and total field blanks reported target metals as either not detected or below the reporting limits, as required.

The dissolved field blank contained calcium (0.148 mg/L) and sodium (0.743 mg/L). Positive results for calcium and sodium that are less than 5 times the field blank level should be reported as not detected (U) in associated dissolved aqueous samples.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: One of two percent recoveries (%Rs) for iron was above control limits (75-125%) for aqueous dissolved spike sample MW-5S. Positive results for dissolved iron should be considered estimated, biased high (J+) in associated dissolved aqueous samples.

Two of two percent recoveries for antimony were below control limits (75-125%), but not below 30% for aqueous total spike sample MW-5S. Positive results for total antimony should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated total aqueous samples.

Laboratory Duplicates: The relative percent differences for applicable metals were below the allowable maximum (20%) for aqueous total and dissolved duplicate sample MW-5S, as required.

Field Duplicates: The relative percent differences for applicable metals were below the allowable maximum (20%) for aqueous total and dissolved field duplicate pair MW-7S/DUP (attached table), as required.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for aqueous total samples WG2002206-2 and WG2002207-2, and aqueous dissolved samples WG2002010-2 and WG2002013-2.

Serial Dilution: The %D for calcium was below the allowable maximum (10%) for aqueous total serial dilution sample MW-5S, as required.

The %D for calcium was above the allowable maximum (10%) for aqueous dissolved serial dilution sample MW-5S. Positive results for calcium that are above the RL should be considered estimated (J) in associated aqueous dissolved samples.

Total vs Dissolved: The dissolved results for manganese were greater than the total results plus 10% for samples MW-1S, MW-5S. The dissolved result for copper was greater than the total result plus 10% for sample MW-2S. Positive results for total and dissolved metals should be considered estimated (J) in the samples.

Form 5a
Matrix Spike

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix	: WATER
Lab Sample ID	: L2467934-05		
Matrix Spike	: WG2002206-3	MS Analysis Date	: 11/26/24 18:04
Matrix Spike Dup	: WG2002206-4	MSD Analysis Date	: 11/26/24 18:09

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R		Spike Added (mg/l)	Spike Conc. (mg/l)	%R		RPD	Recovery Limits	RPD Limit
Aluminum, Total	0.0306	2	1.99	98		2	2.01	99		1	75-125	20
Antimony, Total	0.00125J	0.5	0.3523	70	Q	0.5	0.3582	72	Q	2	75-125	20
Arsenic, Total	ND	0.12	0.1177	98		0.12	0.1129	94		4	75-125	20
Barium, Total	0.00344	2	2.016	101		2	2.020	101		0	75-125	20
Beryllium, Total	0.00015J	0.05	0.04860	97		0.05	0.04660	93		4	75-125	20
Cadmium, Total	0.00007J	0.053	0.05057	95		0.053	0.04811	91		5	75-125	20
Chromium, Total	0.00043J	0.2	0.2017	101		0.2	0.1974	99		2	75-125	20
Cobalt, Total	ND	0.5	0.5208	104		0.5	0.4999	100		4	75-125	20
Copper, Total	ND	0.25	0.2659	106		0.25	0.2561	102		4	75-125	20
Iron, Total	0.0361J	1	1.11	111		1	1.07	107		4	75-125	20
Lead, Total	ND	0.53	0.5164	97		0.53	0.4978	94		4	75-125	20
Magnesium, Total	0.813	10	10.6	98		10	9.81	90		8	75-125	20
Manganese, Total	0.01271	0.5	0.5252	102		0.5	0.5023	98		4	75-125	20
Nickel, Total	0.00072J	0.5	0.5166	103		0.5	0.5060	101		2	75-125	20
Selenium, Total	ND	0.12	0.116	97		0.12	0.112	93		4	75-125	20
Silver, Total	ND	0.05	0.04379	88		0.05	0.04276	86		2	75-125	20
Sodium, Total	4.76	10	14.7	99		10	13.8	90		6	75-125	20
Thallium, Total	ND	0.12	0.1219	102		0.12	0.1181	98		3	75-125	20
Vanadium, Total	ND	0.5	0.4880	98		0.5	0.4673	93		4	75-125	20
Zinc, Total	ND	0.5	0.5086	102		0.5	0.4952	99		3	75-125	20

Form 5a
Matrix Spike

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix	: WATER
Lab Sample ID	: L2467934-05		
Matrix Spike	: WG2002010-3	MS Analysis Date	: 12/03/24 19:14
Matrix Spike Dup	: WG2002010-4	MSD Analysis Date	: 12/03/24 19:19

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Dissolved	0.0285	2	2.13	105	2	2.08	102	2	75-125	20
Antimony, Dissolved	0.00066J	0.5	0.4374	87	0.5	0.4476	90	2	75-125	20
Arsenic, Dissolved	0.00016J	0.12	0.1311	109	0.12	0.1249	104	5	75-125	20
Barium, Dissolved	0.00338	2	2.114	106	2	2.061	103	3	75-125	20
Beryllium, Dissolved	0.00012J	0.05	0.05218	104	0.05	0.04980	100	5	75-125	20
Cadmium, Dissolved	0.00009J	0.053	0.05322	100	0.053	0.05116	96	4	75-125	20
Calcium, Dissolved	3.48	10	14.3	108	10	13.1	96	9	75-125	20
Chromium, Dissolved	0.00041J	0.2	0.2220	111	0.2	0.2161	108	3	75-125	20
Cobalt, Dissolved	ND	0.5	0.5666	113	0.5	0.5638	113	0	75-125	20
Copper, Dissolved	0.00060J	0.25	0.2829	113	0.25	0.2746	110	3	75-125	20
Iron, Dissolved	0.0407J	1	1.27	127 Q	1	1.20	120	6	75-125	20
Lead, Dissolved	ND	0.53	0.5265	99	0.53	0.5259	99	0	75-125	20
Magnesium, Dissolved	0.884	10	11.6	107	10	11.5	106	1	75-125	20
Manganese, Dissolved	0.01409	0.5	0.6005	117	0.5	0.5745	112	4	75-125	20
Nickel, Dissolved	ND	0.5	0.5519	110	0.5	0.5365	107	3	75-125	20
Potassium, Dissolved	0.728	10	12.3	116	10	11.6	109	6	75-125	20
Selenium, Dissolved	ND	0.12	0.127	106	0.12	0.132	110	4	75-125	20
Silver, Dissolved	ND	0.05	0.05019	100	0.05	0.04909	98	2	75-125	20
Sodium, Dissolved	5.06	10	15.8	107	10	15.6	105	1	75-125	20
Thallium, Dissolved	ND	0.12	0.1203	100	0.12	0.1197	100	1	75-125	20
Vanadium, Dissolved	ND	0.5	0.5505	110	0.5	0.5291	106	4	75-125	20
Zinc, Dissolved	ND	0.5	0.5425	108	0.5	0.5332	107	2	75-125	20

Form 8
Serial Dilutions

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix	: WATER
Lab Sample ID	: L2467934-05	Analysis Date	: 12/03/24 19:10
Serial Dilution ID	: WG2002010-6	Analysis Date	: 12/03/24 19:28

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Dissolved	3.48	3.11	11	20

General Chemistry
Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Alkalinity Data for
Alpha Analytical Labs, SDG Number: L2467934

8 Ground Water Samples and 1 Field Duplicate
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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-4D, as required.

Field Duplicates: The relative percent difference for bicarbonate alkalinity was below the allowable maximum (20%) for aqueous field duplicate pair MW-7S/DUP (attached table), as required.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Iodide Data for
Alpha Analytical Labs, SDG Number: L2467934

8 Ground Water Samples and 1 Field Duplicate
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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

Blanks: The analysis of the method blank 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-6D.

Laboratory Duplicates: The relative percent difference for iodide was below the allowable maximum (20%) for aqueous MS/MSD sample MW-6D, as required.

Field Duplicates: The analyses of aqueous field duplicate pair MW-7S/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 was within laboratory QC limits (80-120%) for aqueous sample 3761073.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Ion Chromatography Data* for
Alpha Analytical Labs, SDG Number: L2467934

8 Ground Water Samples and 1 Field Duplicate
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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-2S.

Laboratory Duplicates: The relative percent differences for applicable analytes were below the allowable maximum (20%) for aqueous duplicate samples MW-2S, as required.

Field Duplicates: The relative percent differences for applicable target analytes were below the allowable maximum (20%) for aqueous field duplicate pair MW-7S/DUP (attached table), as required.

Laboratory Control Sample: The percent recoveries for target analytes were within laboratory QC limits (90-110%) for aqueous samples WG2000808-6 and WG2001300-2.

* ion chromatography includes bromide, chloride, fluoride, and sulfate.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Ammonia Data for
Alpha Analytical Labs, SDG Number: L2467934

8 Ground Water Samples and 1 Field Duplicate
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 batch spike samples L2467901-04 and L2467901-05.

Laboratory Duplicates: The analyses of aqueous batch duplicate samples WG2002511-03 and WG2002511-5.

Field Duplicates: The relative percent difference for ammonia was above the allowable maximum (20%) for aqueous field duplicate pair MW-7S/DUP (attached table). Positive results for ammonia should be considered estimated (J) in samples MW-7S and DUP.

Laboratory Control Sample: The percent recovery for ammonia was within laboratory QC limits (90-110%) for aqueous sample WG2002511-2.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Nitrate/Nitrite Data for
Alpha Analytical Labs, SDG Number: L2467934

8 Ground Water Samples and 1 Field Duplicate
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 L2467831-02.

Laboratory Duplicates: The analysis of aqueous batch duplicate sample WG2002312-3.

Field Duplicates: The relative percent difference for nitrate/nitrite was below the allowable maximum (20%) for aqueous field duplicate pair MW-7S/DUP (attached table), as required.

Laboratory Control Sample: The percent recovery for nitrate/nitrite was within laboratory QC limits (90-110%) for aqueous sample WG2002312-2.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Phosphate Data for
Alpha Analytical Labs, SDG Number: L2467934

8 Ground Water Samples and 1 Field Duplicate
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 batch spike sample L2467811-03.

Laboratory Duplicates: The relative percent difference for phosphate was below the allowable maximum (20%) for aqueous batch duplicate sample WG2000294-3, as required.

Field Duplicates: The analyses of aqueous field duplicate pair MW-7S/DUP reported phosphate 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 phosphate within laboratory QC limits (84-118%) for aqueous sample WG2000294-2.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Sulfide Data for
Alpha Analytical Labs, SDG Number: L2467934

8 Ground Water Samples and 1 Field Duplicate
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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-7S/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 relative percent difference for sulfide was above the allowable maximum (20%) and the percent recoveries were within laboratory QC limits (79.7-122%) for aqueous samples B393206-BS1/BSD1.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Kjeldahl Nitrogen Data (TKN) for Alpha Analytical Labs, SDG Number: L2467934

8 Ground Water Samples and 1 Field Duplicate Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 batch spike sample L2468038-05.

Laboratory Duplicates: The relative percent difference for TKN was below the allowable maximum (20%) for aqueous batch duplicate sample WG2002509-3, as required.

Field Duplicates: The relative percent difference for TKN was above the allowable maximum (20%) for aqueous field duplicate pair MW-7S/DUP (attached table). Positive results for TKN should be considered estimated (J) in samples MW-7S and DUP.

Laboratory Control Sample: The percent recovery for TKN was within laboratory QC limits (78-122%) for aqueous sample WG2002509-2.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Uranium Data
for Alpha Analytical Labs
SDG Number: L2467934

4 Ground Water Samples, 1 Field Duplicate,
and 1 Field Blank
Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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

Blanks: The analyses of initial and continuing calibration, method, field, and equipment blanks reported uranium not detected.

Spike Sample Recovery: The percent recoveries for uranium were within QC limits (70-130%) for aqueous MS/MSD sample MW-5S.

Laboratory Duplicates: The relative percent difference for uranium was below the allowable maximum (20%) for aqueous MS/MSD sample MW-5S, as required.

Field Duplicates: The relative percent difference for uranium was below the allowable maximum (20%) for aqueous field duplicate pair MW-7S/DUP (attached table), as required.

Laboratory Control Sample: The percent recovery for uranium was within QC limits (85-115%) for aqueous samples R4153301-2.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

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: L2467934

8 Ground Water Samples and 1 Field Duplicate Collected November 18-19, 2024

Prepared by: Donald Anné
January 17, 2025

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 difference for TDS was below the allowable maximum (20%) for aqueous batch duplicate sample WG2000844-4.

Field Duplicates: The relative percent difference for TDS was below the allowable maximum (20%) for aqueous field duplicate pair MW-7S/DUP (attached table), as required.

Laboratory Control Sample: The percent recovery for TDS was within QC limits (80-120%) for aqueous sample WG2000844-2.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Field Duplicate Calculation Section

EPA Method 1633 PFC

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. L2467934

S1= MW-7S **S2=** DUP

Analyte	S1	S2	RPD (%)
Perfluorobutanoic Acid (PFBA)	7.74	7.16	8%
Perfluoropentanoic Acid (PFPeA)	9.82	9.44	4%
Perfluorobutanesulfonic Acid (PFBS)	2.6	2.38	9%
Perfluorohexanoic Acid (PFHxA)	9.46	9.84	4%
Perfluoropentanesulfonic Acid (PFPeS)	**1.18**	**1.18**	NC
Perfluoroheptanoic Acid (PFHpA)	7.88	7	12%
Perfluorohexanesulfonic Acid (PFHxS)	7.03	6.65	6%
Perfluorooctanoic Acid (PFOA)	19.5	19.2	2%
Perfluorononanoic Acid (PFNA)	**1.02**	**0.88**	NC
Perfluorooctanesulfonic Acid (PFOS)	3.78	3.7	2%

* RPD is above the allowable maximum (20%)

All results are in ng/L.

Bold numbers were values that 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. L2467934

S1= MW-7S **S2=** DUP

Analyte	S1	S2	RPD (%)	
Radium-226	0.119	0.398	108%	*
Radium-228	1.93	1.18	48%	*
Thorium-228	-0.064	0.11	NC	
Thorium-230	-0.003	-0.007	NC	
Thorium-232	-0.008	-0.015	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. L2467934

S1= MW-7S **S2=** DUP

Analyte	S1	S2	RPD (%)	
Total Nitrogen	2.5	2.1	17%	
Nitrogen, Total Kjeldahl	0.366	**0.287**	24%	*
Nitrogen, Ammonia	0.152	0.106	36%	*
Nitrogen, Nitrate/Nitrite	2.1	2.1	0%	
Solids, Total Dissolved	370	360	3%	
Alkalinity, Carbonate	ND	ND	NC	
Alkalinity, Bicarbonate	211	215	2%	
Phosphate, Total	ND	ND	NC	
Bromide	0.102	0.101	1%	
Chloride	17.3	17.5	1%	
Fluoride	ND	ND	NC	
Sulfate	78.8	78.9	0%	
Sulfide	ND	ND	NC	
Iodide	ND	ND	NC	
Uranium	**0.369**	**0.328**	12%	

* 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. L2467934

S1= MW-7S **S2=** DUP

Analyte	S1	S2	RPD (%)
aluminum	**0.00407**	ND	NC
antimony	ND	ND	NC
arsenic	**0.00022**	**0.00021**	NC
barium	0.09536	0.09266	3%
beryllium	ND	ND	NC
cadmium	ND	ND	NC
calcium	97.1	94	3%
chromium	**0.00055**	**0.00055**	NC
cobalt	**0.00032**	**0.00031**	NC
copper	0.00161	0.00164	2%
iron	ND	**0.03**	NC
lead	ND	ND	NC
magnesium	11.1	10.9	2%
manganese	0.6885	0.6709	3%
mercury	ND	ND	NC
nickel	ND	ND	NC
potassium	17.6	17.2	2%
selenium	ND	ND	NC
silver	ND	ND	NC
sodium	18.9	18.4	3%
thallium	**0.00077**	**0.00073**	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. L2467934

S1= MW-7S **S2=** DUP

Analyte	S1	S2	RPD (%)
aluminum (dissolved)	ND	ND	NC
antimony (dissolved)	ND	ND	NC
arsenic (dissolved)	**0.00029**	**0.00036**	NC
barium (dissolved)	0.08404	0.08758	4%
beryllium (dissolved)	ND	ND	NC
cadmium (dissolved)	ND	ND	NC
calcium (dissolved)	86.1	89.2	4%
chromium (dissolved)	**0.00077**	**0.00037**	NC
cobalt (dissolved)	**0.00027**	**0.00033**	NC
copper (dissolved)	0.00169	0.00147	14%
iron (dissolved)	ND	ND	NC
lead (dissolved)	ND	ND	NC
magnesium (dissolved)	10.7	11.2	5%
manganese (dissolved)	0.6321	0.6602	4%
mercury (dissolved)	ND	ND	NC
nickel (dissolved)	ND	ND	NC
potassium (dissolved)	16.8	17.4	4%
selenium (dissolved)	ND	ND	NC
silver (dissolved)	ND	ND	NC
sodium (dissolved)	17	17.5	3%
thallium (dissolved)	**0.00066**	**0.00066**	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.

Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2467934

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Table of Contents

New York ASP Category B Data Deliverable Package 1
Table of Contents 2
Sample ID Cross Reference 18
SDG Narrative 19
Data Qualifier Definitions 23
Instrument Information 26
Sample Log-in Sheet 29
Lims COC (LN01) 32
External Chain of Custody 37
Organics Analysis 39
GCMS 8260 Analysis 40
Volatiles QC Summary 41
Form 2 - Organics 42
Form 3 - Organics 43
Form 4 - Organics 48
Form 5 - Organics 49
Form 8 - Organics 51
MDL Study - Volatile Organics 8260 52
8260 52
8260HLW 54
Volatiles Sample Data 56
Form 1 - Organics 57
MW-1S (L2467934-01) Analyzed: 11/24/24 12:43 93
MW-2S (L2467934-02) Analyzed: 11/24/24 13:05 100
MW-3S (L2467934-03) Analyzed: 11/24/24 13:26 107
MW-4D (L2467934-04) Analyzed: 11/24/24 13:48 111
MW-5S (L2467934-05) Analyzed: 11/24/24 14:10 118
MW-6D (L2467934-06) Analyzed: 11/24/24 14:32 122
MW-7S (L2467934-07) Analyzed: 11/24/24 14:54 126
MW-8S (L2467934-08) Analyzed: 11/24/24 15:16 130
FIELD BLANK (L2467934-10) Analyzed: 11/24/24 15:37 136
TRIP BLANK (L2467934-11) Analyzed: 11/24/24 15:59 142
DUP (L2467934-09) Analyzed: 11/24/24 16:21 148
Volatile Standards Data 152
Initial Calibration 153
Form 6 - Organics 154
ICAL for VOA130 on 11/13/24 ICAL21702 157
Initial Calibration Summary - Cal Date: 11/13/24 00:00 157
BFB TUNE Injected on: 11/12/24 14:39 161
STD0.19PPB Injected on: 11/12/24 15:35 162
STD0.5PPB Injected on: 11/12/24 16:19 166
STD2PPB Injected on: 11/12/24 16:41 173
STD10PPB Injected on: 11/12/24 17:24 181
STD30PPB Injected on: 11/12/24 17:46 187
STD80PPB Injected on: 11/12/24 18:08 194
STD120PPB Injected on: 11/12/24 18:30 201
STD200PPB Injected on: 11/12/24 18:51 208
ICV Summary Form Injected on: 11/12/24 20:40 214
ICV Quant Report Injected on: 11/12/24 20:40 217
Correlation Data Summary 224

Table of Contents

Continuing Calibration 225
Form 7 - Organics 226
CC Summary - VOA130 Run: 11/24/24 09:12 228
CC Quant - WG2001917-2 VOA130 Run: 11/24/24 09:12 230
bfb tune - Inst. VOA130 11/24/24 08:38 234
Volatiles Raw QC Data 235
Laboratory Method Bl (WG2001917-5) Analyzed: 11/24/24 10:18 236
Laboratory Control S (WG2001917-3) Analyzed: 11/24/24 09:12 242
LCS Duplicate (WG2001917-4) Analyzed: 11/24/24 09:34 298
Matrix Spike (WG2001917-6) Analyzed: 11/24/24 19:16 354
Matrix Spike Duplica (WG2001917-7) Analyzed: 11/24/24 19:38 410
Volatiles Calculations 466
QC Batch WG2001917 467
ICAL Sequence for VOA130 on 13-NOV-2024 00:00 ICAL21702 468
Instrument VOA130 Run Date 11/24/24 Run ID R1904357 469
Semivolatiles Data - Method 8270 470
Semivolatiles QC Summary 471
Form 3 - Organics 472
Form 2 - Organics 479
Form 4 - Organics 480
Form 5 - Organics 482
Form 8 - Organics 487
MDL Study - ABN Extractables 493
Semivolatiles Sample Data 497
Form 1 - Organics 498
MW-2S (L2467934-02) Analyzed: 11/23/24 21:56 534
MW-3S (L2467934-03) Analyzed: 11/23/24 22:18 539
MW-6D (L2467934-06) Analyzed: 11/23/24 22:41 544
MW-7S (L2467934-07) Analyzed: 11/23/24 23:03 549
MW-8S (L2467934-08) Analyzed: 11/23/24 23:26 554
DUP (L2467934-09) Analyzed: 11/23/24 23:48 559
FIELD BLANK (L2467934-10) Analyzed: 11/24/24 00:11 564
MW-1S (L2467934-01) Analyzed: 11/24/24 17:42 570
MW-4D (L2467934-04) Analyzed: 11/25/24 23:30 576
MW-5S (L2467934-05) Analyzed: 11/26/24 00:37 581
Semivolatiles Standards Data 586
Initial Calibration 587
Form 6 - Organics 588
ICAL for SV112 on 06/26/24 ICAL21241 592
Initial Calibration Summary - Cal Date: 06/26/24 00:00 592
Tune Injected on: 06/25/24 19:55 595
Deg Injected on: 06/25/24 19:55 596
Tailing Factor Injected on: 06/25/24 19:55 597
ABNL9 Injected on: 06/25/24 20:18 599
ABNL8 Injected on: 06/25/24 20:41 605
ABNL7 Injected on: 06/25/24 21:04 613
ABNL6 Injected on: 06/25/24 21:27 621
ABNL5 Injected on: 06/25/24 21:50 628
ABNL4 Injected on: 06/25/24 22:14 636
ABNL3 Injected on: 06/25/24 22:37 644

Table of Contents

ABNL2 Injected on: 06/25/24 23:00 654
ABNL1 Injected on: 06/25/24 23:23 668
AP9L9 Injected on: 06/25/24 23:47 701
AP9L8 Injected on: 06/26/24 00:10 704
AP9L7 Injected on: 06/26/24 00:33 707
AP9L6 Injected on: 06/26/24 00:56 710
AP9L5 Injected on: 06/26/24 01:19 713
AP9L4 Injected on: 06/26/24 01:43 716
AP9L3 Injected on: 06/26/24 02:06 719
AP9L2 Injected on: 06/26/24 02:29 722
AP9L1 Injected on: 06/26/24 02:52 728
ABN ICV Summary Form Injected on: 06/26/24 03:16 736
ABN ICV Quant Report Injected on: 06/26/24 03:16 739
AP9 ICV Summary Form Injected on: 06/26/24 03:39 823
AP9 ICV Quant Report Injected on: 06/26/24 03:39 824
Tune Injected on: 06/26/24 04:02 841
Deg Injected on: 06/26/24 04:02 842
Tailing Factor Injected on: 06/26/24 04:02 843
ADPL9 Injected on: 06/26/24 04:25 845
ADPL8 Injected on: 06/26/24 04:48 848
ADPL7 Injected on: 06/26/24 05:11 851
ADPL6 Injected on: 06/26/24 05:35 854
ADPL5 Injected on: 06/26/24 05:58 857
ADPL4 Injected on: 06/26/24 06:21 860
ADPL3 Injected on: 06/26/24 06:44 863
ADPL2 Injected on: 06/26/24 07:08 866
ADPL1 Injected on: 06/26/24 07:31 869
ADP ICV Summary Form Injected on: 06/26/24 07:54 874
ADP ICV Quant Report Injected on: 06/26/24 07:54 875
Relative Error 884
ICAL for DAKOTA on 11/06/24 ICAL21680 885
Initial Calibration Summary - Cal Date: 11/06/24 00:00 885
Tune Injected on: 11/05/24 16:36 888
Deg Injected on: 11/05/24 16:36 889
Tailing Factor Injected on: 11/05/24 16:36 890
ABNL9 Injected on: 11/05/24 16:59 892
ABNL8 Injected on: 11/05/24 17:23 900
ABNL7 Injected on: 11/05/24 17:46 906
ABNL6 Injected on: 11/05/24 18:09 911
ABNL5 Injected on: 11/05/24 18:33 916
ABNL4 Injected on: 11/05/24 18:56 921
ABNL3 Injected on: 11/05/24 19:19 926
ABNL2 Injected on: 11/05/24 19:42 931
ABNL1 Injected on: 11/05/24 20:06 943
AP9L9 Injected on: 11/05/24 20:29 961
AP9L8 Injected on: 11/05/24 20:53 964
AP9L7 Injected on: 11/05/24 21:16 967
AP9L6 Injected on: 11/05/24 21:39 970
AP9L5 Injected on: 11/05/24 22:03 973
AP9L4 Injected on: 11/05/24 22:26 976

Table of Contents

AP9L3 Injected on: 11/05/24 22:49 979
AP9L2 Injected on: 11/05/24 23:13 982
AP9L1 Injected on: 11/05/24 23:36 989
ABN ICV Summary Form Injected on: 11/05/24 23:59 999
ABN ICV Quant Report Injected on: 11/05/24 23:59 1002
AP9 ICV Summary Form Injected on: 11/06/24 00:23 1084
AP9 ICV Quant Report Injected on: 11/06/24 00:23 1085
Tune Injected on: 11/06/24 00:46 1102
Deg Injected on: 11/06/24 00:46 1103
Tailing Factor Injected on: 11/06/24 00:46 1104
ADPL9 Injected on: 11/06/24 01:10 1106
ADPL8 Injected on: 11/06/24 01:33 1109
ADPL7 Injected on: 11/06/24 01:56 1112
ADPL6 Injected on: 11/06/24 02:20 1115
ADPL5 Injected on: 11/06/24 02:43 1118
ADPL4 Injected on: 11/06/24 03:07 1121
ADPL3 Injected on: 11/06/24 03:30 1124
ADPL2 Injected on: 11/06/24 03:53 1127
ADPL1 Injected on: 11/06/24 04:17 1130
ADP ICV Summary Form Injected on: 11/06/24 04:40 1138
ADP ICV Quant Report Injected on: 11/06/24 04:40 1139
Relative Error 1150
Continuing Calibration 1151
Form 7 - Organics 1152
CC Summary - DAKOTA Run: 11/23/24 13:41 1167
CC Quant - WG2001490-3 DAKOTA Run: 11/23/24 13:41 1170
CC Summary - DAKOTA Run: 11/23/24 14:04 1252
CC Quant - WG2001490-4 DAKOTA Run: 11/23/24 14:04 1253
CC Summary - DAKOTA Run: 11/23/24 14:26 1270
CC Quant - WG2001490-5 DAKOTA Run: 11/23/24 14:26 1271
DEG Quant for DAKOTA injected on 11/23/24 13:19 1280
dftpp tune - Inst. DAKOTA 11/23/24 13:19 1281
Tailing factor report for DAKOTA injected on 11/23/24 13:19 1282
Form 7 - Organics 1284
CC Summary - DAKOTA Run: 11/24/24 08:42 1299
CC Quant - WG2001636-3 DAKOTA Run: 11/24/24 08:42 1302
CC Summary - DAKOTA Run: 11/24/24 09:05 1384
CC Quant - WG2001636-4 DAKOTA Run: 11/24/24 09:05 1385
CC Summary - DAKOTA Run: 11/24/24 09:27 1402
CC Quant - WG2001636-5 DAKOTA Run: 11/24/24 09:27 1403
DEG Quant for DAKOTA injected on 11/24/24 08:20 1412
dftpp tune - Inst. DAKOTA 11/24/24 08:20 1413
Tailing factor report for DAKOTA injected on 11/24/24 08:20 1414
Form 7 - Organics 1416
CC Summary - DAKOTA Run: 11/25/24 20:52 1431
CC Quant - WG2002259-3 DAKOTA Run: 11/25/24 20:52 1434
CC Summary - DAKOTA Run: 11/25/24 21:14 1516
CC Quant - WG2002259-4 DAKOTA Run: 11/25/24 21:14 1517
CC Summary - DAKOTA Run: 11/25/24 21:37 1534
CC Quant - WG2002259-5 DAKOTA Run: 11/25/24 21:37 1535

Table of Contents

DEG Quant for DAKOTA injected on 11/25/24 20:29 1544
dftpp tune - Inst. DAKOTA 11/25/24 20:29 1545
Tailing factor report for DAKOTA injected on 11/25/24 20:29 1546
Semivolatiles Raw QC Summary 1548
Laboratory Method Bl (WG2001353-1) Analyzed: 11/23/24 17:04 1549
Laboratory Method Bl (WG2001587-1) Analyzed: 11/25/24 22:22 1554
Laboratory Control S (WG2001353-2) Analyzed: 11/23/24 17:26 1559
Laboratory Control S (WG2001587-2) Analyzed: 11/25/24 22:44 1608
LCS Duplicate (WG2001353-3) Analyzed: 11/23/24 17:49 1657
LCS Duplicate (WG2001587-3) Analyzed: 11/25/24 23:07 1706
Matrix Spike (WG2001353-4) Analyzed: 11/24/24 17:21 1756
Matrix Spike (WG2001587-6) Analyzed: 11/25/24 23:52 1784
Matrix Spike (WG2001587-4) Analyzed: 11/26/24 01:00 1834
Matrix Spike Duplica (WG2001353-5) Analyzed: 11/24/24 16:58 1897
Matrix Spike Duplica (WG2001587-7) Analyzed: 11/26/24 00:15 1925
Matrix Spike Duplica (WG2001587-5) Analyzed: 11/26/24 01:22 1974
Semivolatiles Calculations 2037
QC Batch WG2001353 2038
QC Batch WG2001587 2039
ICAL Sequence for SV112 on 26-JUN-2024 00:00 ICAL21241 2040
ICAL Sequence for DAKOTA on 06-NOV-2024 00:00 ICAL21680 2041
Instrument DAKOTA Run Date 11/23/24 Run ID R1903971 2042
Instrument DAKOTA Run Date 11/24/24 Run ID R1904151 2044
Instrument DAKOTA Run Date 11/25/24 Run ID R1904750 2045
Organic ELN-Workgroup:WG2001353 2046
Organic ELN-Workgroup:WG2001587 2049
Semivolatiles Data - Method 8270D-SIM 2052
Semivolatiles QC Summary 2053
Form 2 - Organics 2054
Form 3 - Organics 2055
Form 4 - Organics 2058
Form 5 - Organics 2060
Form 8 - Organics 2063
MDL Study - 8270 Low Level PAH 2067
Semivolatiles Sample Data 2069
Form 1 - Organics 2070
MW-1S (L2467934-01) Analyzed: 11/23/24 21:52 2080
MW-2S (L2467934-02) Analyzed: 11/23/24 22:40 2095
MW-3S (L2467934-03) Analyzed: 11/23/24 22:56 2099
MW-6D (L2467934-06) Analyzed: 11/23/24 23:13 2103
MW-7S (L2467934-07) Analyzed: 11/23/24 23:29 2107
MW-8S (L2467934-08) Analyzed: 11/23/24 23:45 2111
DUP (L2467934-09) Analyzed: 11/24/24 00:01 2115
FIELD BLANK (L2467934-10) Analyzed: 11/24/24 00:17 2119
MW-4D (L2467934-04) Analyzed: 11/24/24 16:38 2123
MW-5S (L2467934-05) Analyzed: 11/24/24 16:54 2128
Semivolatiles Standards Data 2135
Initial Calibration 2136
Form 6 - Organics 2137
ICAL for SV120 on 11/05/24 ICAL21668 2139

Table of Contents

Initial Calibration Summary - Cal Date: 11/05/24 00:00 2139
Tune Injected on: 11/05/24 06:14 2140
Deg Injected on: 11/05/24 06:14 2141
Tailing Factor Injected on: 11/05/24 06:14 2142
IL10 Injected on: 11/05/24 07:30 2144
IL9 Injected on: 11/05/24 07:47 2148
IL8 Injected on: 11/05/24 08:03 2153
IL7 Injected on: 11/05/24 08:19 2157
IL6 Injected on: 11/05/24 08:36 2161
IL5 Injected on: 11/05/24 08:52 2165
IL4 Injected on: 11/05/24 09:08 2171
IL3 Injected on: 11/05/24 09:24 2177
IL2 Injected on: 11/05/24 09:41 2185
IL1 Injected on: 11/05/24 09:57 2196
Injected on: 11/05/24 10:13 2205
Relative Error 2241
Continuing Calibration 2242
Form 7 - Organics 2243
CC Summary - SV120 Run: 11/23/24 13:43 2245
CC Quant - WG2001483-3 SV120 Run: 11/23/24 13:43 2247
DEG Quant for SV120 injected on 11/23/24 13:23 2281
dftpp tune - Inst. SV120 11/23/24 13:23 2282
Tailing factor report for SV120 injected on 11/23/24 13:23 2283
Form 7 - Organics 2285
CC Summary - SV120 Run: 11/24/24 10:23 2287
CC Quant - WG2001670-3 SV120 Run: 11/24/24 10:23 2289
DEG Quant for SV120 injected on 11/24/24 10:07 2324
dftpp tune - Inst. SV120 11/24/24 10:07 2325
Tailing factor report for SV120 injected on 11/24/24 10:07 2326
Semivolatiles Raw QC Summary 2328
Laboratory Method Bl (WG2001354-1) Analyzed: 11/23/24 21:35 2329
Laboratory Method Bl (WG2001588-1) Analyzed: 11/24/24 10:56 2333
Laboratory Control S (WG2001354-2) Analyzed: 11/23/24 21:03 2360
Laboratory Control S (WG2001588-2) Analyzed: 11/24/24 11:12 2387
LCS Duplicate (WG2001354-3) Analyzed: 11/23/24 21:19 2413
LCS Duplicate (WG2001588-3) Analyzed: 11/24/24 11:29 2440
Matrix Spike (WG2001588-6) Analyzed: 11/24/24 17:10 2466
Matrix Spike Duplica (WG2001588-7) Analyzed: 11/24/24 17:26 2492
Semivolatiles Calculations 2518
QC Batch WG2001354 2519
QC Batch WG2001588 2520
ICAL Sequence for SV120 on 05-NOV-2024 00:00 ICAL21668 2521
Instrument SV120 Run Date 11/23/24 Run ID R1903991 2522
Instrument SV120 Run Date 11/24/24 Run ID R1904365 2524
Organic ELN-Workgroup:WG2001354 2526
Organic ELN-Workgroup:WG2001588 2528
GCMS Extractables 1,4-Dioxane by SIM 2531
Semivolatiles QC Summary 2532
Form 2 - Organics 2533
Form 3 - Organics 2534

Table of Contents

Form 4 - Organics 2536
Form 5 - Organics 2537
Form 8 - Organics 2539
MDL Study - 1,4-Dioxane 2540
Semivolatiles Sample Data 2542
Form 1 - Organics 2543
MW-1S (L2467934-01) Analyzed: 11/25/24 23:38 2550
MW-5S (L2467934-05) Analyzed: 11/26/24 00:04 2554
MW-7S (L2467934-07) Analyzed: 11/26/24 01:18 2557
MW-8S (L2467934-08) Analyzed: 11/26/24 01:42 2560
DUP (L2467934-09) Analyzed: 11/26/24 02:06 2563
FIELD BLANK (L2467934-10) Analyzed: 11/26/24 02:31 2566
Semivolatiles Standards Data 2569
Initial Calibration 2570
Form 6 - Organics 2571
ICAL for PAH23 on 11/13/24 ICAL21701 2572
Initial Calibration Summary - Cal Date: 11/13/24 00:00 2572
DFTPP TUNE Injected on: 11/12/24 17:01 2573
STD 10 Injected on: 11/12/24 17:41 2574
STD 50 Injected on: 11/12/24 18:06 2578
STD 100 Injected on: 11/12/24 18:30 2582
STD 500 Injected on: 11/12/24 18:54 2586
STD 1000 Injected on: 11/12/24 19:18 2590
STD 5000 Injected on: 11/12/24 19:42 2594
STD 10000 Injected on: 11/12/24 20:06 2598
ICV SUMMARY Injected on: 11/12/24 20:30 2602
ICV QUANT REPORT Injected on: 11/12/24 20:30 2603
Continuing Calibration 2607
Form 7 - Organics 2608
CC Summary - PAH23 Run: 11/25/24 21:31 2609
CC Quant - WG2001981-4 PAH23 Run: 11/25/24 21:31 2610
Semivolatiles Raw QC Summary 2614
dftpp tune - Inst. PAH23 11/25/24 20:47 2615
Laboratory Method Bl (WG2001184-1) Analyzed: 11/25/24 21:57 2616
Laboratory Control S (WG2001184-2) Analyzed: 11/25/24 22:23 2619
LCS Duplicate (WG2001184-3) Analyzed: 11/25/24 22:48 2623
Matrix Spike (WG2001184-4) Analyzed: 11/26/24 00:29 2627
Matrix Spike Duplica (WG2001184-5) Analyzed: 11/26/24 00:53 2631
Semivolatiles Calculations 2635
QC Batch WG2001981 2636
ICAL Sequence for PAH23 on 13-NOV-2024 00:00 ICAL21701 2638
Instrument PAH23 Run Date 11/25/24 Run ID R1905002 2639
Organic ELN-Workgroup:WG2001184 2640
GC Herbicide Analysis 2642
Semivolatiles QC Summary 2643
Form 2 - Organics 2644
Form 3 - Organics 2645
Form 4 - Organics 2647
Form 8 - Organics 2648
MDL Study - Herbicides 2649

Table of Contents

HERB-8151 2649
Herbicides Sample Data 2651
Form 1 - Organics 2652
MW-1S (L2467934-01) Analyzed: 11/23/24 12:19 2663
MW-2S (L2467934-02) Analyzed: 11/23/24 12:38 2667
MW-3S (L2467934-03) Analyzed: 11/23/24 12:56 2673
MW-4D (L2467934-04) Analyzed: 11/23/24 13:14 2679
MW-5S (L2467934-05) Analyzed: 11/23/24 13:33 2685
MW-6D (L2467934-06) Analyzed: 11/23/24 14:28 2690
MW-7S (L2467934-07) Analyzed: 11/23/24 14:46 2695
MW-8S (L2467934-08) Analyzed: 11/23/24 15:05 2700
DUP (L2467934-09) Analyzed: 11/23/24 15:23 2705
FIELD BLANK (L2467934-10) Analyzed: 11/23/24 15:42 2710
Herbicides Standards Data 2716
Initial Calibration 2717
Form 6 - Organics 2718
ICAL for PEST17 on 11/05/24 ICAL21669 2720
Initial Calibration Summary - Cal Date: 11/05/24 00:00 2720
Herbicides L1 Injected on: 11/04/24 05:40 2722
Herbicides L2 Injected on: 11/04/24 05:58 2732
Herbicides L3 Injected on: 11/04/24 06:16 2748
Herbicides L4 Injected on: 11/04/24 06:34 2762
Herbicides L5 Injected on: 11/04/24 09:53 2781
Herbicides L6 Injected on: 11/04/24 10:11 2791
Initial Calibration Verification 2808
ICV Summary Form Injected on: 11/04/24 10:29 2809
ICV Quant Report Injected on: 11/04/24 10:29 2811
Correlation Data Summary 2828
Continuing Calibration 2829
Form 7 - Organics 2830
CC Summary - PEST17 Run: 11/21/24 23:38 2834
CC Quant - WG2000365-3 PEST17 Run: 11/21/24 23:38 2836
CC Summary - PEST17 Run: 11/23/24 12:01 2846
CC Quant - WG2000365-7 PEST17 Run: 11/23/24 12:01 2848
RT Shift Summary 2858
Form 10 - Organics 2859
Herbicides Raw QC Data 2860
Laboratory Method Bl (WG2000586-1) Analyzed: 11/22/24 01:28 Chan. A&B 2861
Laboratory Control S (WG2000586-2) Analyzed: 11/22/24 01:47 Chan. A&B 2866
LCS Duplicate (WG2000586-3) Analyzed: 11/22/24 02:05 Chan. A&B 2877
Matrix Spike (WG2000586-4) Analyzed: 11/23/24 13:51 Chan. A&B 2886
Matrix Spike Duplica (WG2000586-5) Analyzed: 11/23/24 14:10 Chan. A&B 2894
Herbicides Calculations 2903
ICAL Sequence for PEST17 on 05-NOV-2024 00:00 ICAL21669 2904
Instrument PEST17 Run Date 11/21/24 Run ID R1902963 2905
QC Batch WG2000586 2908
Organic ELN-Workgroup:WG2000586 2909
GC PCB Analysis 2911
Aroclor QC Summary 2912
Form 2 - Organics 2913

Table of Contents

Form 3 - Organics 2914
Form 4 - Organics 2916
Form 8 - Organics 2917
MDL Study - PCBs 2918
Aroclor Sample Data 2920
Form 1 - Organics 2921
MW-1S (L2467934-01) Analyzed: 11/24/24 12:23 2933
MW-2S (L2467934-02) Analyzed: 11/24/24 12:33 2939
MW-3S (L2467934-03) Analyzed: 11/24/24 12:42 2944
MW-4D (L2467934-04) Analyzed: 11/24/24 12:52 2949
MW-5S (L2467934-05) Analyzed: 11/24/24 13:01 2954
MW-6D (L2467934-06) Analyzed: 11/24/24 13:29 2962
MW-7S (L2467934-07) Analyzed: 11/24/24 13:39 2967
MW-8S (L2467934-08) Analyzed: 11/24/24 16:48 2972
DUP (L2467934-09) Analyzed: 11/24/24 16:57 2981
FIELD BLANK (L2467934-10) Analyzed: 11/24/24 17:07 2986
Aroclor Standards Data 2991
Initial Calibration 2992
Form 6 - Organics 2993
ICAL for PEST2 on 11/14/24 ICAL21708 2997
Initial Calibration Summary - Cal Date: 11/14/24 00:00 2997
1242/1268 L8 (250ug/L) Injected on: 11/13/24 19:31 3004
1232/1262 L8 (250ug/L) Injected on: 11/13/24 19:40 3009
1248 L8 (250ug/L) Injected on: 11/13/24 19:50 3014
1221/1254 L8 (250ug/L) Injected on: 11/13/24 19:59 3019
1016/1260 L2 (10ug/L) Injected on: 11/13/24 20:18 3024
1016/1260 L3 (20ug/L) Injected on: 11/13/24 20:27 3050
1016/1260 L4 (30ug/L) Injected on: 11/13/24 20:37 3064
1016/1260 L5 (40ug/L) Injected on: 11/13/24 20:46 3080
1016/1260 L6 (50ug/L) Injected on: 11/13/24 20:55 3089
1016/1260 L7 (100ug/L) Injected on: 11/13/24 21:05 3099
1016/1260 L8 (250ug/L) Injected on: 11/13/24 21:14 3107
1016/1260 L9 (500ug/L) Injected on: 11/13/24 21:24 3112
1016/1260 L10 (1000ug/L) Injected on: 11/13/24 21:33 3120
Initial Calibration Verification 3151
1242/1268 ICV Summary Form Injected on: 11/13/24 21:42 3152
1242/1268 ICV Quant Report Injected on: 11/13/24 21:42 3156
1232/1262 ICV Summary Form Injected on: 11/13/24 21:52 3163
1232/1262 ICV Quant Report Injected on: 11/13/24 21:52 3167
1248 ICV Summary Form Injected on: 11/13/24 22:01 3172
1248 ICV Quant Report Injected on: 11/13/24 22:01 3176
1221/1254 ICV Summary Form Injected on: 11/13/24 22:11 3181
1221/1254 ICV Quant Report Injected on: 11/13/24 22:11 3185
1016/1260 ICV Summary Form Injected on: 11/13/24 22:20 3190
1016/1260 ICV Quant Report Injected on: 11/13/24 22:20 3194
Continuing Calibration 3200
Form 7 - Organics 3201
CC Summary - PEST2 Run: 11/24/24 08:59 3203
CC Quant - WG2001659-1 PEST2 Run: 11/24/24 08:59 3205
RT Shift Summary 3210

Table of Contents

Form 10 - Organics 3211
Aroclor Raw QC Data 3212
Laboratory Method Bl (WG2001590-1) Analyzed: 11/24/24 10:59 Chan. A&B 3213
Laboratory Control S (WG2001590-2) Analyzed: 11/24/24 11:08 Chan. A&B 3220
LCS Duplicate (WG2001590-3) Analyzed: 11/24/24 11:18 Chan. A&B 3225
Matrix Spike (WG2001590-4) Analyzed: 11/24/24 13:10 Chan. A&B 3236
Matrix Spike Duplica (WG2001590-5) Analyzed: 11/24/24 13:20 Chan. A&B 3242
PCB Calculations 3249
ICAL Sequence for PEST2 on 14-NOV-2024 00:00 ICAL21708 3250
Instrument PEST2 Run Date 11/24/24 Run ID R1904327 3251
QC Batch WG2001590 3252
Organic ELN-Workgroup:WG2001590 3253
GC Pesticide Analysis 3260
Pesticides QC Summary 3261
Form 2 - Organics 3262
Form 3 - Organics 3263
Form 4 - Organics 3265
Form 8 - Organics 3266
MDL Study - Pesticides 3268
Pesticides Sample Data 3270
Form 1 - Organics 3271
MW-1S (L2467934-01) Analyzed: 11/26/24 03:34 3293
MW-2S (L2467934-02) Analyzed: 11/26/24 03:46 3305
MW-3S (L2467934-03) Analyzed: 11/26/24 03:58 3312
MW-4D (L2467934-04) Analyzed: 11/26/24 04:10 3316
MW-5S (L2467934-05) Analyzed: 11/26/24 04:22 3326
MW-6D (L2467934-06) Analyzed: 11/26/24 04:58 3333
MW-7S (L2467934-07) Analyzed: 11/26/24 05:11 3340
MW-8S (L2467934-08) Analyzed: 11/26/24 05:23 3344
DUP (L2467934-09) Analyzed: 11/26/24 05:35 3351
FIELD BLANK (L2467934-10) Analyzed: 11/26/24 05:47 3358
Pesticides Standards Data 3368
Initial Calibration 3369
Form 6 - Organics 3370
ICAL for PEST18 on 11/05/24 ICAL21663 3374
Initial Calibration Summary - Cal Date: 11/05/24 00:00 3374
Degradation Standard Injected on: 11/04/24 17:28 3379
Pesticides L1 (0.5ug/L) Injected on: 11/04/24 17:40 3390
Pesticides L2 (1.0ug/L) Injected on: 11/04/24 17:52 3394
Pesticides L3 (2.0ug/L) Injected on: 11/04/24 18:04 3413
Pesticides L4 (3.0ug/L) Injected on: 11/04/24 18:16 3429
Pesticides L5 (4.0ug/L) Injected on: 11/04/24 18:28 3444
Pesticides L7 (10.0ug/L) Injected on: 11/04/24 18:41 3456
Pesticides L8 (50.0ug/L) Injected on: 11/04/24 18:53 3466
Pesticides L9 (100ug/L) Injected on: 11/04/24 19:05 3473
Pesticides L10 (200ug/L) Injected on: 11/04/24 19:17 3479
Pesticides L11 (400ug/L) Injected on: 11/04/24 19:29 3487
Initial Calibration Verification 3493
ICV Summary Form Injected on: 11/04/24 19:41 3494
ICV Quant Report Injected on: 11/04/24 19:41 3497

Table of Contents

Chlordane L3 (10ug/L) Injected on: 11/04/24 20:05 3501
Chlordane L4 (20ug/L) Injected on: 11/04/24 20:17 3507
Chlordane L5 (100ug/L) Injected on: 11/04/24 20:29 3513
Chlordane L7 (500ug/L) Injected on: 11/04/24 20:41 3517
Chlordane L8 (1000ug/L) Injected on: 11/04/24 20:53 3521
Chlordane L9 (2000ug/L) Injected on: 11/04/24 21:06 3525
Chlordane L10 (5000ug/L) Injected on: 11/04/24 21:18 3529
Initial Calibration Verification 3533
ICV Summary Form Injected on: 11/04/24 21:30 3534
ICV Quant Report Injected on: 11/04/24 21:30 3537
Toxaphene L3 (20.0ug/L) Injected on: 11/04/24 21:42 3542
Toxaphene L4 (100ug/L) Injected on: 11/04/24 21:54 3548
Toxaphene L7 (1000ug/L) Injected on: 11/04/24 22:06 3552
Toxaphene L8 (2000ug/L) Injected on: 11/04/24 22:18 3556
Toxaphene L9 (5000ug/L) Injected on: 11/04/24 22:30 3561
Initial Calibration Verification 3565
ICV Summary Form Injected on: 11/04/24 22:42 3566
ICV Quant Report Injected on: 11/04/24 22:42 3569
Correlation Data Summary 3573
Continuing Calibration 3574
Form 7 - Organics 3575
CC Summary - PEST18 Run: 11/25/24 19:19 3581
CC Quant - WG2002247-2 PEST18 Run: 11/25/24 19:19 3584
CC Summary - PEST18 Run: 11/25/24 19:31 3589
CC Quant - WG2002247-3 PEST18 Run: 11/25/24 19:31 3592
CC Summary - PEST18 Run: 11/26/24 02:45 3598
CC Quant - WG2002247-4 PEST18 Run: 11/26/24 02:45 3601
Continuing Calibration Degradation Check 3632
Form 15 - Organics 3633
DEG Quant for PEST18 injected on 11/25/24 18:54 3634
RT Shift Summary 3648
Form 10 - Organics 3649
Pesticides Raw QC Data 3650
Laboratory Method Bl (WG2001430-1) Analyzed: 11/26/24 02:58 Chan. A&B 3651
Laboratory Control S (WG2001430-2) Analyzed: 11/26/24 03:10 Chan. A&B 3663
LCS Duplicate (WG2001430-3) Analyzed: 11/26/24 03:22 Chan. A&B 3673
Matrix Spike (WG2001430-4) Analyzed: 11/26/24 04:34 Chan. A&B 3687
Matrix Spike Duplica (WG2001430-5) Analyzed: 11/26/24 04:46 Chan. A&B 3702
Pesticides Calculations 3713
ICAL Sequence for PEST18 on 05-NOV-2024 00:00 ICAL21663 3714
Instrument PEST18 Run Date 11/25/24 Run ID R1904906 3715
QC Batch WG2001430 3717
Organic ELN-Workgroup:WG2001430 3718
PFAS by Method 1633 3721
Semivolatiles QC Summary 3722
Form 3 - Organics 3723
Form 2 - Organics 3735
Form 4 - Organics 3739
MDL Study - 1633 Draft 3740
Semivolatiles Sample Data 3744

Table of Contents

Form 1 - Organics 3745
MW-1S (L2467934-01) Analyzed: 12/23/24 22:48 3766
MW-5S (L2467934-05) Analyzed: 12/23/24 22:57 3888
MW-7S (L2467934-07) Analyzed: 12/23/24 23:23 4010
MW-8S (L2467934-08) Analyzed: 12/23/24 23:32 4132
DUP (L2467934-09) Analyzed: 12/23/24 23:41 4254
FIELD BLANK (L2467934-10) Analyzed: 12/23/24 23:50 4376
Semivolatiles Standards Data 4498
Initial Calibration 4499
Form 6 - Organics 4500
ICAL for LCMS09 on 11/12/24 ICAL21696 4545
Initial Calibration Summary - Cal Date: 11/12/24 14:03 4545
STD-.1 Injected on: 11/12/24 13:47 4590
STD-.2 Injected on: 11/12/24 13:56 4712
STD-.5 Injected on: 11/12/24 14:05 4834
STD-2.5 Injected on: 11/12/24 14:14 4956
STD-5 Injected on: 11/12/24 14:23 5078
STD-12.5 Injected on: 11/12/24 14:32 5200
STD-25 Injected on: 11/12/24 14:40 5322
STD-50 Injected on: 11/12/24 14:49 5444
STD-62.5 Injected on: 11/12/24 14:58 5566
Injected on: 11/12/24 14:58 5688
Injected on: 11/12/24 15:07 5727
Injected on: 11/12/24 15:16 5849
STD-10 Injected on: 11/12/24 15:25 5971
MassCal 6088
Low CAL STD Log 6090
ICAL Log 6091
ICV Log 6092
Continuing Calibration 6093
Form 7 - Organics 6094
CC Quant - WG2012688-1 LCMS09 Run: 12/23/24 13:25:12 6106
CC Quant - WG2012688-2 LCMS09 Run: 12/23/24 14:16:21 6228
CC Quant - WG2012688-5 LCMS09 Run: 12/24/24 00:35:10 6350
CC Quant - WG2013165-1 LCMS09 Run: 12/24/24 11:12:01 6472
CC Quant - WG2013165-2 LCMS09 Run: 12/24/24 11:24:59 6594
CC Quant - WG2013165-5 LCMS09 Run: 12/24/24 12:14:47 6716
Semivolatiles Raw QC Summary 6838
Laboratory Method Bl (WG2012727-1) Analyzed: 12/23/24 22:21 6839
Laboratory Control S (WG2012727-3) Analyzed: 12/23/24 22:39 6961
Laboratory Control S (WG2012727-2) Analyzed: 12/24/24 11:48 7083
Matrix Spike (WG2012727-4) Analyzed: 12/23/24 23:05 7205
Matrix Spike Duplica (WG2012727-5) Analyzed: 12/23/24 23:14 7327
Semivolatiles Calculations 7449
QC Batch WG2012727 7450
ICAL Sequence for LCMS09 on 12-NOV-2024 14:03 ICAL21696 7451
Instrument LCMS09 Run Date 12/24/24 Run ID R1915027 7452
Instrument LCMS09 Run Date 12/24/24 Run ID R1915201 7453
Organic ELN-Workgroup:WG2012727 7454
Metals Analysis 7458

Table of Contents

Inorganic Data (ICPMS Analysis) 7459
- Form 1 - Inorganics 7460
- Form 2A - Inorganics 7486
- Form 3 - Inorganics 7501
- Form 4A - Inorganics 7515
- Form 5A - Inorganics 7518
- Form 5B - Inorganics 7521
- Form 7 - Inorganics 7523
- Form 8 - Inorganics 7526
- Form 12 - Inorganics 7528
- Form 13 - Inorganics 7531
- Form 14 - Inorganics 7537
- Form 15 - Inorganics 7540
- MDL Study - Metals by ICPMS 7546
- Tune Report Run Date 11/26/24 Run ID R1904880 7548
- Tune Report Run Date 12/02/24 Run ID R1906420 7551
- Tune Report Run Date 12/03/24 Run ID R1906801 7554
- Run Date 11/26/24 Run ID R1904880 7557
- Run Date 12/02/24 Run ID R1906420 7730
- Run Date 12/03/24 Run ID R1906801 7911
- ICPMS True Value Summary Form 8113
- ICPMS Calculations 8127
- Instrument ICPMSQ2 Run Date 11/26/24 Run ID R1904880 8128
- Instrument ICPMSQ Run Date 12/02/24 Run ID R1906420 8131
- Instrument ICPMSQ2 Run Date 12/03/24 Run ID R1906801 8135
- RAW B.pdf 8135
- WG2004359.pdf 8150
- WG2004359_seq.pdf 8273
- SEQ B.pdf 8275
- WG2004359.pdf 8277
- Metals ELN-Workgroup:WG2002010 8703
- Metals ELN-Workgroup:WG2002206 8705

Inorganic Data (Mercury Analysis) 8707
- Form 1 - Inorganics 8708
- Form 2A - Inorganics 8730
- Form 3 - Inorganics 8736
- Form 5A - Inorganics 8742
- Form 7 - Inorganics 8744
- Form 12 - Inorganics 8746
- Form 13 - Inorganics 8748
- MDL Study - Mercury by 245.1 8751
- MDL Study - Mercury by 7470A 8752
- MDL Study - Mercury by 7471B 8753
- Run Date 11/27/24 Run ID R1905543 8754
- Run Date 11/27/24 Run ID R1905538 8759
- Hg True Value Summary Form 8764
- HG Calculations 8778
- Instrument NIC3 Run Date 11/27/24 Run ID R1905543 8780
- Instrument NIC4 Run Date 11/27/24 Run ID R1905538 8783
- Metals ELN-Workgroup:WG2002013 8786

Table of Contents

Metals ELN-Workgroup:WG2002207 8788
Wet Chemistry Analysis 8790
Total Nitrogen Calculation 8791
Results 8792
Form 1 - Inorganics 8793
Sample Raw Data 8802
Wet Chemistry Raw Data 8803
Total Nitrogen Calculations 8804
TKN Analysis 8805
Results 8806
Form 1 - Inorganics 8807
Sample Raw Data 8818
Wet Chemistry Raw Data 8819
WG2002913_rawdata 8819
241127_NH3TKN_rawdataA 8819
241127_NH3TKN_rawdataA1 8821
241127_NH3TKN_rawdataB 8823
Quality Control 8825
Form 5A - Inorganics 8826
Form 6 - Inorganics 8827
Form 7 - Inorganics 8828
MDL Study - Total Kjeldahl Nitrogen 8829
TKN Calculations 8831
Sequence Logs 8832
Instrument LACHAT Run Date 11/27/24 Run ID R1905644 8833
Sample Preparation 8834
Prep Log 8835
Ammonia Analysis 8836
Results 8837
Form 1 - Inorganics 8838
Sample Raw Data 8850
Wet Chemistry Raw Data 8851
Quality Control 8861
Form 5A - Inorganics 8862
Form 6 - Inorganics 8864
Form 7 - Inorganics 8866
MDL Study - Ammonia 8867
Ammonia Calculations 8869
Sequence Logs 8870
Instrument LACHAT Run Date 11/26/24 Run ID R1905259 8871
Sample Preparation 8874
Prep Log 8875
Nitrate-Nitrite Analysis 8876
Results 8877
Form 1 - Inorganics 8878
Sample Raw Data 8889
Wet Chemistry Raw Data 8890
241126_rawdataA 8890
241126_rawdataB 8914
241126_rawdataC 8924

Table of Contents

Quality Control 8934
Form 5A - Inorganics 8935
Form 6 - Inorganics 8936
Form 7 - Inorganics 8937
MDL Study - Nitrate and Nitrite 8938
Nitrate Nitrite Calculations 8940
Sequence Logs 8941
Instrument FIA1 Run Date 11/26/24 Run ID R1904916 8942
Total Dissolved Solids Analysis 8945
Results 8946
Form 1 - Inorganics 8947
Sample Raw Data 8959
Wet Chemistry Raw Data 8960
Quality Control 8962
Form 6 - Inorganics 8963
Form 7 - Inorganics 8965
MDL Study - Total Dissolved Solids 8966
TDS Calculations 8967
Alkalinity Analysis 8968
Results 8969
Form 1 - Inorganics 8970
Sample Raw Data 8986
Wet Chemistry Raw Data 8987
241122_CAL 8987
241122_LCS 8988
241122_ALK 8989
Wet Chemistry Raw Data 9008
241122_CAL 9008
241122_LCS 9009
241122_ALK 9010
Wet Chemistry Raw Data 9029
241122_CAL 9029
241122_LCS 9030
241122_ALK 9031
Quality Control 9050
Form 6 - Inorganics 9051
MDL Study - Alkalinity 9054
Alkalinity Calculations 9055
Sequence Logs 9056
Instrument TITR5 Run Date 11/22/24 Run ID R1903849 9057
Sheet1 9057
Instrument Run Date 11/22/24 Run ID R1903851 9058
Sheet1 9058
Instrument Run Date 11/22/24 Run ID R1903852 9059
Sheet1 9059
Phosphates Analysis 9060
Results 9061
Form 1 - Inorganics 9062
Sample Raw Data 9073
Wet Chemistry Raw Data 9074

Table of Contents

Quality Control 9076
Form 5A - Inorganics 9077
Form 6 - Inorganics 9078
Form 7 - Inorganics 9079
MDL Study - Total Phosphorus 9080
MDL Study - Orthophosphate 9082
Total Phosphorus Calculation 9084
Wet Chemistry By IC Methods 9085
Results 9086
Form 1 - Inorganics 9087
Sample Raw Data 9112
Wet Chemistry Raw Data 9113
Quality Control 9257
Form 5A - Inorganics 9258
Form 6 - Inorganics 9260
Form 7 - Inorganics 9262
MDL Study - Ion Chromatography 9264
IC Calculations 9265
Alpha Analytical Report 9266
Subcontracted Data Documents 9266
Subcontracted Data 9267

Project Name: HUNTINGTON READY MIXED
Project Number: 20116

Lab Number: L2467934
Report Date: 12/24/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2467934-01	MW-1S	WATER	SPEONK, NY	11/18/24 15:46	11/19/24
L2467934-02	MW-2S	WATER	SPEONK, NY	11/18/24 14:33	11/19/24
L2467934-03	MW-3S	WATER	SPEONK, NY	11/18/24 13:31	11/19/24
L2467934-04	MW-4D	WATER	SPEONK, NY	11/19/24 09:35	11/19/24
L2467934-05	MW-5S	WATER	SPEONK, NY	11/19/24 08:10	11/19/24
L2467934-06	MW-6D	WATER	SPEONK, NY	11/18/24 15:40	11/19/24
L2467934-07	MW-7S	WATER	SPEONK, NY	11/18/24 14:15	11/19/24
L2467934-08	MW-8S	WATER	SPEONK, NY	11/18/24 16:45	11/19/24
L2467934-09	DUP	WATER	SPEONK, NY	11/18/24 00:00	11/19/24
L2467934-10	FIELD BLANK	WATER	SPEONK, NY	11/18/24 16:30	11/19/24
L2467934-11	TRIP BLANK	WATER	SPEONK, NY	11/19/24 00:00	11/19/24

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 Pace 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, Pace'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 Pace 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
December 24, 2024: This final report includes the results of all requested analyses.
December 04, 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 following analyses were subcontracted: Iodide, Sulfide, Radium 226, Radium 228, Thorium, and Uranium. 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
L2467934-06: The collection date and time on the chain of custody was 18-NOV-24 15:40; however, the collection date/time on the container label was 18-NOV-24 15:35. At the client's request, the collection date/time is reported as 18-NOV-24 15:40.
L2467934-10: The analysis of Subcontract - Sulfide was requested on the Chain of Custody; however, sample containers were not received. This was verified by the client.

Perfluorinated Alkyl Acids by 1633
L2467934-01, -05, -07, -08, -09, and -10: The sample was extracted with the method required holding time exceeded due to a laboratory error.
L2467934-01: The Extracted Internal Standard recoveries were above the acceptance criteria for 1h,1h,2h,2h-perfluoro[1,2-13c2]hexanesulfonic acid (m2-4:2fts) (228%) and 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (349%). Since the sample was non-detect to the RL for all associated target analytes, re-analysis was not required.
L2467934-07: The Extracted Internal Standard recoveries were above the acceptance criteria for 1h,1h,2h,2h-perfluoro[1,2-13c2]hexanesulfonic acid (m2-4:2fts) (203%) and 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (203%). Since the sample was non-detect to the RL for all associated

Case Narrative (continued)

target analytes, re-analysis was not required.
WG2012727-2: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.
The WG2012727-4/-5 MS/MSD recoveries, performed on L2467934-05, are outside the acceptance criteria for perfluorononanesulfonic acid (pfns) (MS 56%), perfluoroundecanoic acid (MS pfuna) (55%), perfluorodecanesulfonic acid (pfds) (MS 41%), perfluorooctanesulfonamide (fosa) (MS 55%), perfluorododecanoic acid (pfdoa) (MS 54%), perfluorotridecanoic acid (MS pftrda) (52%), perfluorotetradecanoic acid (pfta) (MS 57%), perfluorododecane sulfonic acid (pfdods) (MS 43%), 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11cl-pf3ouds) (MS 52%), n-methyl perfluorooctane sulfonamide (nmefosa) (MS 54%), n-ethyl perfluorooctane sulfonamide (netfosa) (MS 57%), n-methyl perfluorooctanesulfonamido ethanol (nmefose) (MS 51%), n-ethyl perfluorooctanesulfonamido ethanol (netfose) (MS 55%), and 3-perfluoropropyl propanoic acid (3:3ftca) (MSD 136%).
The WG2012727-4/-5 MS/MSD RPDs, performed on L2467934-05, are outside the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (51%), perfluoroundecanoic acid (pfuna) (40%), perfluorodecanesulfonic acid (pfds) (44%), perfluorooctanesulfonamide (fosa) (33%), perfluorododecanoic acid (pfdoa) (34%), perfluorotridecanoic acid (pftrda) (39%), 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11cl-pf3ouds) (36%), n-methyl perfluorooctanesulfonamido ethanol (nmefose) (42%), and n-ethyl perfluorooctanesulfonamido ethanol (netfose) (42%).

Semivolatile Organics
The WG2001587-6/-7 MS/MSD recoveries, performed on L2467934-05, are below the acceptance criteria for 2,4-dinitrophenol (0%/0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

Semivolatile Organics by SIM
The WG2001588-1 Method Blank, associated with L2467934-04 and -05, has concentrations above the reporting limits for Acenaphthene, Fluoranthene, Naphthalene, Fluorene, Phenanthrene, Pyrene, and 2-Methylnaphthalene. Since the associated sample concentrations are either greater than 10x the blank

Case Narrative (continued)

concentrations or non-detect to the RLs for these target analytes, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Total Metals

The WG2002206-3/-4 MS/MSD recoveries, performed on L2467934-05, are outside the acceptance criteria for antimony (70%/72%). A post digestion spike was performed and was within acceptance criteria.

Dissolved Metals

L2467934-10: The Field Blank has results for calcium and sodium present above the reporting limits. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG2002010-3 MS recovery, performed on L2467934-05, is outside the acceptance criteria for iron (127%). A post digestion spike was performed and was within acceptance criteria.

Anions by Ion Chromatography

The WG2001300-3 MS recovery, performed on L2467934-02, is outside the acceptance criteria for fluoride (84%); 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: Kelly Stenstrom Report Date: 12/24/24

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.

TYPICAL INSTRUMENT PARAMETERS

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 : L2467934

Account Name : Alpha Geoscience
Project Number : 20116
Project Name : HUNTINGTON READY MIX

Received : 19-NOV-2024
Reviewer : Kevin Law

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.4	
B	Absent/	Ice	2.7	
C	Absent/	Ice	2.4	
D	Absent/	Ice	2.1	
E	Absent/	Ice	2.2	
F	Absent/	Ice	2.6	
G	Absent/	Ice	3.7	
H	Absent/	Ice	2.9	
I	Absent/	Ice	2.1	
J	Absent/	Ice	2.2	
K	Absent/	Ice	3.7	
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)

4) Are there any discrepancies between COC & sample labels? **YES**
L2467934-06: 18-NOV-24 15:40 vs. 18-NOV-24 15:35

5) Are samples in appropriate containers for requested analysis? **YES**

6) Are samples properly preserved for requested analysis? **YES**

7) Are samples within holding time for requested analysis? **YES**

Sample Delivery Group Summary

Alpha Job Number : L2467934

Account Name : Alpha Geoscience
Project Number : 20116
Project Name : HUNTINGTON READY MIX

Received : 19-NOV-2024
Reviewer : Kevin Law

8) All sampling equipment returned? **NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client? **NO**

Comments

L2467934-05M1 Bottle label reads 'Total Metals', written note on cap reads 'Filtered'

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 24 2024, 04:00 pm

Login Number: L2467934
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 19NOV24 Due Date: 18DEC24

Sample #	Client ID	Mat	PR	Collected
L2467934-01	MW-1S		1 S0	18NOV24 15:46

770126209251 47.22 770127922298 36.03 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. 1633: ok to extract OOH. ASP-B Package Due Date: 12/18/24

A2-1,4-DIOXANE-SIM,A2-NY-1633,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

L2467934-02	MW-2S		1 S0	18NOV24 14:33

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: 12/18/24

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

L2467934-03	MW-3S		1 S0	18NOV24 13:31

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: 12/18/24

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 24 2024, 04:00 pm

Login Number: L2467934
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 19NOV24 Due Date: 18DEC24

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

L2467934-04 MW-4D 1 S0 19NOV24 09:35

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: 12/18/24

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

L2467934-05 MW-5S 1 S0 19NOV24 08:10

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. L2467934-05 MS L2467934-05 MSD 1633: ok to extract OOH. Package Due Date: 12/18/24

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 24 2024, 04:00 pm

Login Number: L2467934
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 19NOV24 Due Date: 18DEC24

Sample #	Client ID	Mat	PR	Collected

A2-1,4-DIOXANE-SIM,A2-NY-1633,ALK-CO3-2320,ALK-HCO3-2320,ARCHIVE,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

L2467934-06 MW-6D 1 S0 18NOV24 15:40

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: 12/18/24

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

L2467934-07 MW-7S 1 S0 18NOV24 14:15

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. 1633: ok to extract OOH. Package
Due Date: 12/18/24

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 24 2024, 04:00 pm

Login Number: L2467934
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 19NOV24 Due Date: 18DEC24

Sample #	Client ID	Mat	PR	Collected

A2-1,4-DIOXANE-SIM,A2-NY-1633,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

L2467934-08 MW-8S 1 S0 18NOV24 16:45

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. 1633: ok to extract OOH. Package Due Date: 12/18/24

A2-1,4-DIOXANE-SIM,A2-NY-1633,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

L2467934-09 DUP 1 S0 18NOV24 00:00

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. 1633: ok to extract OOH. Package Due Date: 12/18/24

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 24 2024, 04:00 pm

Login Number: L2467934
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 19NOV24 Due Date: 18DEC24

Sample #	Client ID	Mat	PR	Collected

A2-1,4-DIOXANE-SIM,A2-NY-1633,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

L2467934-10 FIELD BLANK 1 S0 18NOV24 16:30

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. 1633: ok to extract OOH. Package Due Date: 12/18/24

A2-1,4-DIOXANE-SIM,A2-NY-1633,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

L2467934-11 TRIP BLANK 1 S0 19NOV24 00:00

NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113;Cyclohexane;Methyl Acetate;Methyl cyclohexane
Package Due Date: 12/18/24

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: 11/20/24

ALPHA Job #: L2467934

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: 518-348-8995
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 — 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 — x
Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Dissolved metals are field filtered

12 coolers

Please specify Metals or TAL.

ANALYSIS

Sample Filtration

x Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Total Bottles

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 & Dissolved TCL+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-226, Ra 228	Sample Specific Comments
67934-01	MW-1S	11/18/24	1546	WG	NRS	x	x	x	x	x	x	x	x	x	x	x	x	x	
-02	MW-2S	11/18/24	1433	WG	NRS	x	x	x	x	x	x	x	x	x	x				
-03	MW-3S	11/18/24	1331	WG	NRS	x	x	x	x	x	x	x	x	x	x				
-04	MW-4D	11/19/24	935	WG	SH	x	x	x	x	x	x	x	x	x	x				
-05	MW-5S	11/19/24	08:10	WG	SH	x	x	x	x	x	x	x	x	x	x	x	x	x	
-06	MW-6D	11/18/24	15:40	WG	SH	x	x	x	x	x	x	x	x	x	x				Use 1540 Sample time = 1535 Bottle
-07	MW-7S	11/18/24	14:15	WG	SH	x	x	x	x	x	x	x	x	x	x	x	x	x	
-08	MW-8S	11/18/24	1645	WG	SH	x	x	x	x	x	x	x	x	x	x	x	x	x	
-09	MS (MW-5S)	11/19/24	810	WG	SH	x	x	x	x	x						x	x	x	~~MS/MSD=MW-8S~~
↓	MSD	11/19/24	810	WG	SH	x	x	x	x	x						x	x	x	MS/MSD = MW-5S
	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
	11/19/24 1330		11-19-24 1330
	11-19-24 1530	FEDEX	11.19.24 18:10
FEDEX 21:10	11.19.24	Anthony Green	NOV 19 2024 0120
Anthony Green	11/20/24 0005		11/20/24 0005
	11/20/24 0200		11/20/24 0200

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: 11/20/24

ALPHA Job #: L2467934

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

Billing Information

Same as Client Info
PO # 20116

Regulatory Requirement

NY TOGS — NY Part 375
AWQ Standards — NY CP-51
NY Restricted Use — Other
NY Unrestricted Use
NYC Sewer Discharge

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

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
67934-09	DUP	11/18/24	0:00	WG	XX	x	x	x	x	x	x	x	x	x	x	x	x	x	
-10	Field Blank	11/18/24	1630	WQ	SH	x	x	x	x	x	x					x	x	x	
	~~Equipment Blank~~	—	—	~~WQ~~		x	x	x	x	x	x					x	x	x	Not enough water provided
-11	Trip Blank	11/19/24	000	WQ	XX	x													

Sample Filtration

Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Total Bottles

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
	11/19/24 1330		11-19-24 1330
	11-19-24 1530	FEDEX	11-19-24 18:10
FEDEX 21:10	11-19-24	Anthony Green	NOV 19 2024 2130
Anthony Green	11/20/24 0005		11/20/24 0005

11/20/24 0200 — 11/20 0200

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 MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-1S (L2467934-01)	111	94	97	124	0
MW-2S (L2467934-02)	117	94	99	125	0
MW-3S (L2467934-03)	113	95	98	123	0
MW-4D (L2467934-04)	117	95	97	127	0
MW-5S (L2467934-05)	115	94	98	126	0
MW-6D (L2467934-06)	108	95	98	121	0
MW-7S (L2467934-07)	117	94	97	128	0
MW-8S (L2467934-08)	111	95	98	125	0
DUP (L2467934-09)	115	94	97	129	0
FIELD BLANK (L2467934-10)	117	94	97	128	0
TRIP BLANK (L2467934-11)	113	94	98	127	0
WG2001917-3LCS	110	101	96	108	0
WG2001917-4LCSD	113	101	96	107	0
WG2001917-5BLANK	118	94	98	124	0
MW-5SMS	114	100	93	109	0
MW-5SMSD	117	100	94	110	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**

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001917-3 **Analysis Date** : 11/24/24 09:12	**File ID**	: V30241124A02
LCSD Sample ID	: WG2001917-4 **Analysis Date** : 11/24/24 09:34	**File ID**	: V30241124A03

	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	10	100	10	8.7	87	14	70-130	20
1,1-Dichloroethane	10	10	100	10	8.6	86	15	70-130	20
Chloroform	10	10	100	10	8.9	89	12	70-130	20
Carbon tetrachloride	10	8.2	82	10	7.0	70	16	63-132	20
1,2-Dichloropropane	10	7.9	79	10	6.9	69 Q	14	70-130	20
Dibromochloromethane	10	7.8	78	10	7.3	73	7	63-130	20
1,1,2-Trichloroethane	10	8.7	87	10	8.1	81	7	70-130	20
Tetrachloroethene	10	9.0	90	10	7.6	76	17	70-130	20
Chlorobenzene	10	9.2	92	10	8.0	80	14	75-130	20
Trichlorofluoromethane	10	10	100	10	8.4	84	17	62-150	20
1,2-Dichloroethane	10	9.6	96	10	8.6	86	11	70-130	20
1,1,1-Trichloroethane	10	9.0	90	10	7.6	76	17	67-130	20
Bromodichloromethane	10	8.4	84	10	7.4	74	13	67-130	20
trans-1,3-Dichloropropene	10	7.9	79	10	7.1	71	11	70-130	20
cis-1,3-Dichloropropene	10	7.7	77	10	6.8	68 Q	12	70-130	20
Bromoform	10	7.8	78	10	7.2	72	8	54-136	20
1,1,2,2-Tetrachloroethane	10	9.4	94	10	8.7	87	8	67-130	20
Benzene	10	8.9	89	10	7.7	77	14	70-130	20
Toluene	10	9.1	91	10	7.9	79	14	70-130	20
Ethylbenzene	10	9.0	90	10	7.8	78	14	70-130	20
Chloromethane	10	10	100	10	8.1	81	21 Q	64-130	20
Bromomethane	10	7.4	74	10	5.8	58	24 Q	39-139	20
Vinyl chloride	10	10	100	10	8.0	80	22 Q	55-140	20
Chloroethane	10	10	100	10	8.9	89	12	55-138	20
1,1-Dichloroethene	10	9.9	99	10	8.3	83	18	61-145	20
trans-1,2-Dichloroethene	10	9.8	98	10	8.3	83	17	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001917-3 **Analysis Date** : 11/24/24 09:12	**File ID**	: V30241124A02
LCSD Sample ID	: WG2001917-4 **Analysis Date** : 11/24/24 09:34	**File ID**	: V30241124A03

	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	8.0	80	10	6.8	68 Q	16	70-130	20
1,2-Dichlorobenzene	10	9.2	92	10	8.0	80	14	70-130	20
1,3-Dichlorobenzene	10	9.1	91	10	7.9	79	14	70-130	20
1,4-Dichlorobenzene	10	9.1	91	10	7.9	79	14	70-130	20
Methyl tert butyl ether	10	7.0	70	10	6.5	65	7	63-130	20
p/m-Xylene	20	19	95	20	16	80	17	70-130	20
o-Xylene	20	19	95	20	16	80	17	70-130	20
cis-1,2-Dichloroethene	10	9.8	98	10	8.4	84	15	70-130	20
Styrene	20	20	100	20	17	85	16	70-130	20
Dichlorodifluoromethane	10	12	120	10	9.0	90	29 Q	36-147	20
Acetone	10	11	110	10	10	100	10	58-148	20
Carbon disulfide	10	10	100	10	8.6	86	15	51-130	20
2-Butanone	10	8.8	88	10	9.1	91	3	63-138	20
4-Methyl-2-pentanone	10	8.3	83	10	8.0	80	4	59-130	20
2-Hexanone	10	8.4	84	10	7.9	79	6	57-130	20
Bromochloromethane	10	10	100	10	8.8	88	13	70-130	20
1,2-Dibromoethane	10	8.8	88	10	8.0	80	10	70-130	20
1,2-Dibromo-3-chloropropane	10	9.6	96	10	9.3	93	3	41-144	20
Isopropylbenzene	10	8.4	84	10	7.1	71	17	70-130	20
1,2,3-Trichlorobenzene	10	9.0	90	10	8.0	80	12	70-130	20
1,2,4-Trichlorobenzene	10	8.5	85	10	7.6	76	11	70-130	20
Methyl Acetate	10	10	100	10	9.6	96	4	70-130	20
Cyclohexane	10	7.7	77	10	6.5	65 Q	17	70-130	20
1,4-Dioxane	500	620	124	500	550	110	12	56-162	20
Freon-113	10	9.6	96	10	8.1	81	17	70-130	20
Methyl cyclohexane	10	8.0	80	10	7.0	70	13	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/24/24 14:10
Matrix Spike	: WG2001917-6	**MS Analysis Date**	: 11/24/24 19:16
Matrix Spike Dup	: WG2001917-7	**MSD Analysis Date**	: 11/24/24 19:38

		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	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	ND	10	12	120	10	11	110	9	70-130	20
Chloroform	ND	10	12	120	10	11	110	9	70-130	20
Carbon tetrachloride	ND	10	10	100	10	9.2	92	8	63-132	20
1,2-Dichloropropane	ND	10	9.2	92	10	8.4	84	9	70-130	20
Dibromochloromethane	ND	10	9.0	90	10	8.3	83	8	63-130	20
1,1,2-Trichloroethane	ND	10	10	100	10	9.3	93	7	70-130	20
Tetrachloroethene	ND	10	10	100	10	9.4	94	6	70-130	20
Chlorobenzene	ND	10	10	100	10	9.2	92	8	75-130	20
Trichlorofluoromethane	ND	10	12	120	10	11	110	9	62-150	20
1,2-Dichloroethane	ND	10	11	110	10	10	100	10	70-130	20
1,1,1-Trichloroethane	ND	10	11	110	10	9.7	97	13	67-130	20
Bromodichloromethane	ND	10	9.8	98	10	8.8	88	11	67-130	20
trans-1,3-Dichloropropene	ND	10	8.6	86	10	8.0	80	7	70-130	20
cis-1,3-Dichloropropene	ND	10	8.0	80	10	7.4	74	8	70-130	20
Bromoform	ND	10	8.6	86	10	8.2	82	5	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	10	100	10	9.8	98	2	67-130	20
Benzene	ND	10	10	100	10	9.5	95	5	70-130	20
Toluene	ND	10	10	100	10	9.5	95	5	70-130	20
Ethylbenzene	ND	10	10	100	10	9.2	92	8	70-130	20
Chloromethane	ND	10	12	120	10	11	110	9	64-130	20
Bromomethane	ND	10	6.1	61	10	7.0	70	14	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/24/24 14:10
Matrix Spike	: WG2001917-6	**MS Analysis Date**	: 11/24/24 19:16
Matrix Spike Dup	: WG2001917-7	**MSD Analysis Date**	: 11/24/24 19:38

		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	13	130	10	12	120	8	55-140	20
Chloroethane	ND	10	13	130	10	12	120	8	55-138	20
1,1-Dichloroethene	ND	10	12	120	10	11	110	9	61-145	20
trans-1,2-Dichloroethene	ND	10	11	110	10	10	100	10	70-130	20
Trichloroethene	ND	10	9.4	94	10	8.5	85	10	70-130	20
1,2-Dichlorobenzene	ND	10	9.5	95	10	8.9	89	7	70-130	20
1,3-Dichlorobenzene	ND	10	9.6	96	10	8.9	89	8	70-130	20
1,4-Dichlorobenzene	ND	10	9.6	96	10	8.8	88	9	70-130	20
Methyl tert butyl ether	ND	10	7.9	79	10	7.6	76	4	63-130	20
p/m-Xylene	ND	20	21	105	20	19	95	10	70-130	20
o-Xylene	ND	20	20	100	20	18	90	11	70-130	20
cis-1,2-Dichloroethene	ND	10	11	110	10	10	100	10	70-130	20
Styrene	ND	20	21	105	20	19	95	10	70-130	20
Dichlorodifluoromethane	ND	10	14	140	10	14	140	0	36-147	20
Acetone	ND	10	14	140	10	14	140	0	58-148	20
Carbon disulfide	ND	10	12	120	10	11	110	9	51-130	20
2-Butanone	ND	10	10	100	10	10	100	0	63-138	20
4-Methyl-2-pentanone	ND	10	9.1	91	10	9.2	92	1	59-130	20
2-Hexanone	ND	10	8.8	88	10	9.1	91	3	57-130	20
Bromochloromethane	ND	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	ND	10	10	100	10	9.4	94	6	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	10	100	10	10	100	0	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/24/24 14:10
Matrix Spike	: WG2001917-6	**MS Analysis Date**	: 11/24/24 19:16
Matrix Spike Dup	: WG2001917-7	**MSD Analysis Date**	: 11/24/24 19:38

		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	9.0	90	10	8.4	84	7	70-130	20
1,2,3-Trichlorobenzene	ND	10	8.8	88	10	8.6	86	2	70-130	20
1,2,4-Trichlorobenzene	ND	10	8.3	83	10	7.9	79	5	70-130	20
Methyl Acetate	ND	10	11	110	10	11	110	0	70-130	20
Cyclohexane	ND	10	8.7J	87	10	8.1J	81	7	70-130	20
1,4-Dioxane	ND	500	570	114	500	630	126	10	56-162	20
Freon-113	ND	10	11	110	10	10	100	10	70-130	20
Methyl cyclohexane	ND	10	8.7J	87	10	8.5J	85	2	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2001917-5	**Lab File ID**	: V30241124A05
Instrument ID	: VOA130		
Matrix	: WATER	**Analysis Date**	: 11/24/24 10:18

Client Sample No.	Lab Sample ID	Analysis Date
WG2001917-3LCS	WG2001917-3	11/24/24 09:12
WG2001917-4LCSD	WG2001917-4	11/24/24 09:34
MW-1S	L2467934-01	11/24/24 12:43
MW-2S	L2467934-02	11/24/24 13:05
MW-3S	L2467934-03	11/24/24 13:26
MW-4D	L2467934-04	11/24/24 13:48
MW-5S	L2467934-05	11/24/24 14:10
MW-6D	L2467934-06	11/24/24 14:32
MW-7S	L2467934-07	11/24/24 14:54
MW-8S	L2467934-08	11/24/24 15:16
FIELD BLANK	L2467934-10	11/24/24 15:37
TRIP BLANK	L2467934-11	11/24/24 15:59
DUP	L2467934-09	11/24/24 16:21
MW-5SMS	WG2001917-6	11/24/24 19:16
MW-5SMSD	WG2001917-7	11/24/24 19:38

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: VOA130	**Analysis Date**	: 11/12/24 14:39
Tune Standard	: WG1996978-1	**Tune File ID**	: V30241112NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 80.0% of mass 95	50
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	78.3
175	5.0 - 9.0% of mass 174	6 (7.6)1
176	Greater than 95.0% but less than 101% of mass	76.6 (97.9)1
177	5.0 - 9.0% of mass 176	5 (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
STD0.19PPB	R1899692-1	V30241112N03	11/12/24 15:35
STD0.5PPB	R1899692-2	V30241112N05	11/12/24 16:19
STD2PPB	R1899692-3	V30241112N06	11/12/24 16:41
STD10PPB	R1899692-4	V30241112N08	11/12/24 17:24
STD30PPB	R1899692-5	V30241112N09	11/12/24 17:46
STD80PPB	R1899692-6	V30241112N10	11/12/24 18:08
STD120PPB	R1899692-7	V30241112N11	11/12/24 18:30
STD200PPB	R1899692-8	V30241112N12	11/12/24 18:51
Correlation Data Summary	R1899692-9	V30241112N17	11/12/24 20:40
ICV Quant Report	R1899692-9	V30241112N17	11/12/24 20:40

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: VOA130	**Analysis Date**	: 11/24/24 08:38
Tune Standard	: WG2001917-1	**Tune File ID**	: V30241124ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20
75	30.0 - 80.0% of mass 95	51.1
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 (0)1
174	Greater than 50.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.7 (7.6)1
176	Greater than 95.0% but less than 101% of mass	71.2 (95.6)1
177	5.0 - 9.0% of mass 176	4.8 (6.7)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
WG2001917-2CCAL	WG2001917-2	V30241124A02	11/24/24 09:12
WG2001917-3LCS	WG2001917-3	V30241124A02	11/24/24 09:12
WG2001917-4LCSD	WG2001917-4	V30241124A03	11/24/24 09:34
WG2001917-5BLANK	WG2001917-5	V30241124A05	11/24/24 10:18
MW-1S	L2467934-01	V30241124A08	11/24/24 12:43
MW-2S	L2467934-02	V30241124A09	11/24/24 13:05
MW-3S	L2467934-03	V30241124A10	11/24/24 13:26
MW-4D	L2467934-04	V30241124A11	11/24/24 13:48
MW-5S	L2467934-05	V30241124A12	11/24/24 14:10
MW-6D	L2467934-06	V30241124A13	11/24/24 14:32
MW-7S	L2467934-07	V30241124A14	11/24/24 14:54
MW-8S	L2467934-08	V30241124A15	11/24/24 15:16
FIELD BLANK	L2467934-10	V30241124A16	11/24/24 15:37
TRIP BLANK	L2467934-11	V30241124A17	11/24/24 15:59
DUP	L2467934-09	V30241124A18	11/24/24 16:21
WG2001917-6MS	WG2001917-6	V30241124A26	11/24/24 19:16
WG2001917-7MSD	WG2001917-7	V30241124A27	11/24/24 19:38

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: VOA130	**Analysis Date**	: 11/24/24 09:12:00
Sample No	: WG2001917-2	**Lab File ID**	: V30241124A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2001917-2	425566	6.09	345808	9.63	228216	12.32
Upper Limit	851132	6.59	691616	10.13	456432	12.82
Lower Limit	212783	5.59	172904	9.13	114108	11.82
Sample ID						
WG2001917-3 LCS	425566	6.09	345808	9.63	228216	12.32
WG2001917-4 LCSD	447223	6.09	362615	9.63	238034	12.32
WG2001917-5 BLANK	337058	6.09	306072	9.63	196152	12.32
MW-1S	337917	6.09	311198	9.63	197537	12.32
MW-2S	331756	6.09	300942	9.63	189756	12.32
MW-3S	338814	6.09	304989	9.63	192253	12.32
MW-4D	329061	6.09	299040	9.63	189198	12.32
MW-5S	327810	6.09	296006	9.63	186383	12.32
MW-6D	337772	6.09	302359	9.63	187268	12.32
MW-7S	331605	6.09	301960	9.63	194438	12.32
MW-8S	329052	6.09	295411	9.63	187257	12.32
FIELD BLANK	324124	6.09	301233	9.63	189587	12.32
TRIP BLANK	322482	6.09	296187	9.63	186270	12.32
DUP	309495	6.09	288013	9.63	182035	12.32
MW-5S MS	406160	6.09	327514	9.63	219256	12.32
MW-5S MSD	404545	6.09	331445	9.63	220084	12.32

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*		

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: 03/15/23
Created By: Jason Hebert
File: PM14095-1
Page: 1

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			

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: 03/15/23
Created By: Jason Hebert
File: PM14095-1
Page: 2

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)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A08	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A08	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A08	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A09	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A09	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A09	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A10	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A10	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A10	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A11	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A11	**Instrument ID**	: VOA130
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	7.3	5.0	1.5	
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A11	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A12	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A12	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A12	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A13	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A13	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A13	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A14	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A14	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 14:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A14	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A15	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A15	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A15	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A18	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A18	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A18	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A16	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A16	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A16	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-11	**Date Collected**	: 11/19/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A17	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-11	**Date Collected**	: 11/19/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A17	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-11	**Date Collected**	: 11/19/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 15:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A17	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001917-5	**Date Collected**	: NA
Client ID	: WG2001917-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/24/24 10:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A05	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001917-5	**Date Collected**	: NA
Client ID	: WG2001917-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/24/24 10:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A05	**Instrument ID**	: VOA130
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001917-5	**Date Collected**	: NA
Client ID	: WG2001917-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/24/24 10:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30241124A05	**Instrument ID**	: VOA130
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:\VOA130\2024\241124A\
Data File : V30241124A08.D
Acq On : 24 Nov 2024 12:43 pm
Operator : VOA130:PID
Sample : L2467934-01,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 08:49:36 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	337917	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 79.40%			
63) Chlorobenzene-d5	9.633	117	311198	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 89.99%			
84) 1,4-Dichlorobenzene-d4	12.323	152	197537	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 86.56%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	144382	12.430	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 124.30%			
47) 1,2-Dichloroethane-d4	5.800	65	129126	11.102	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.02%			
64) Toluene-d8	7.788	98	391012	9.366	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.66%			
88) 4-Bromofluorobenzene	11.117	95	166119	9.737	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.37%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.863	50	472	N.D.		
4) Vinyl chloride	1.936	62	127	N.D.		
5) Bromomethane	2.256	94	136	N.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	3.048	76	2208	0.104	ug/L #	79
12) Freon-113	2.911	101	51	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	3.724	96	170	N.D.		
19) Methyl acetate	3.735	43	103	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	4.311	63	56	N.D.		
30) cis-1,2-Dichloroethene	4.830	96	1345	0.157	ug/L	87
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A08.D
Acq On : 24 Nov 2024 12:43 pm
Operator : VOA130:PID
Sample : L2467934-01,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 08:49:36 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	5.266	43	51	N.D.		
45) Benzene	5.675	78	3711	0.147	ug/L #	84
48) 1,2-Dichloroethane	5.874	62	104	N.D.		
51) Methyl cyclohexane	0.000		0	N.D.		
52) Trichloroethene	6.278	95	54	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.845	92	792	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	8.312	166	248	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.104	43	133	N.D.		
78) Chlorobenzene	9.665	112	273	N.D.		
79) Ethylbenzene	9.696	91	1086	N.D.		
81) p/m Xylene	9.890	106	415	N.D.		
82) o Xylene	10.430	106	117	N.D.		
83) Styrene	10.503	104	256	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	10.797	105	115	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	12.260	146	260	N.D.		
106) 1,4-Dichlorobenzene	12.333	146	487	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	14.168	180	55	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

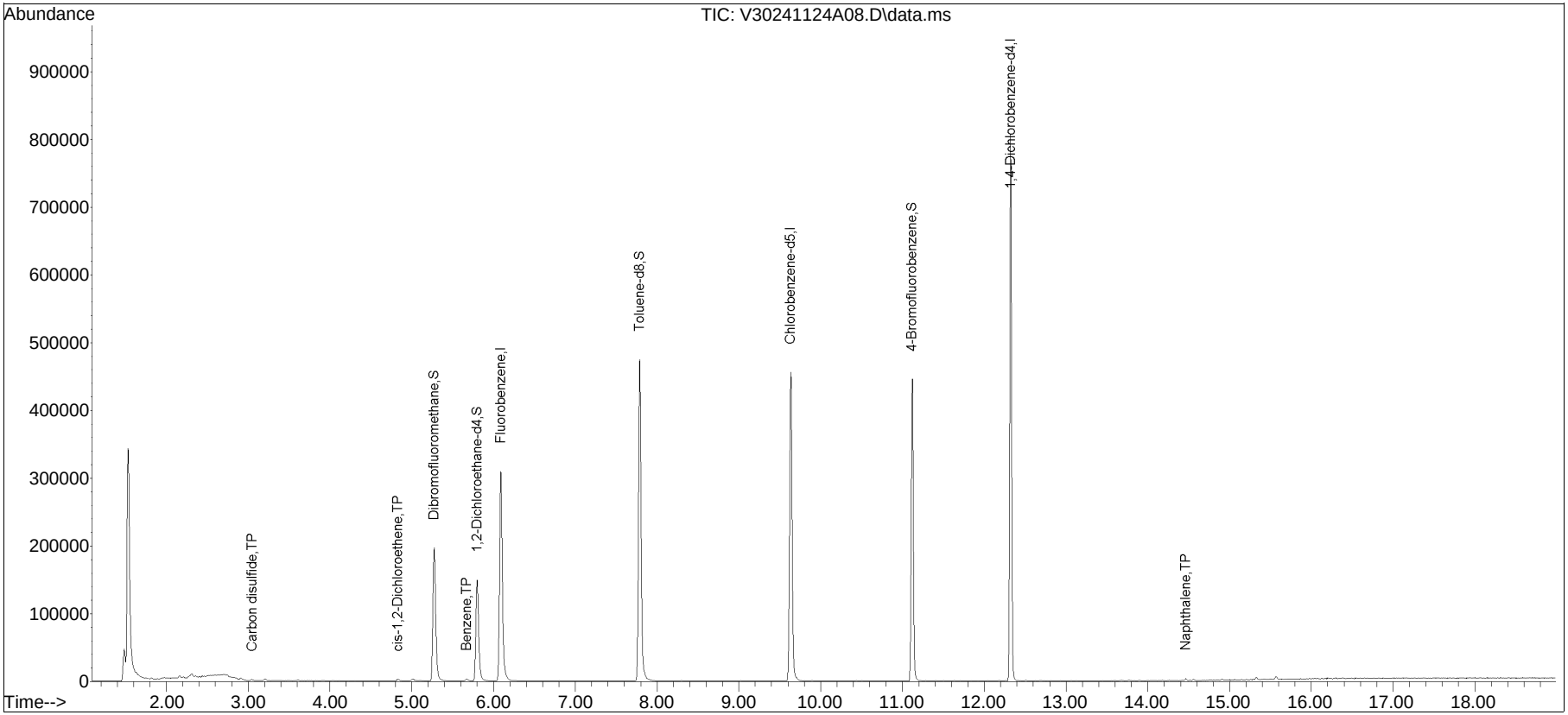
(#) = qualifier out of range (m) = manual integration (+) = signals summed

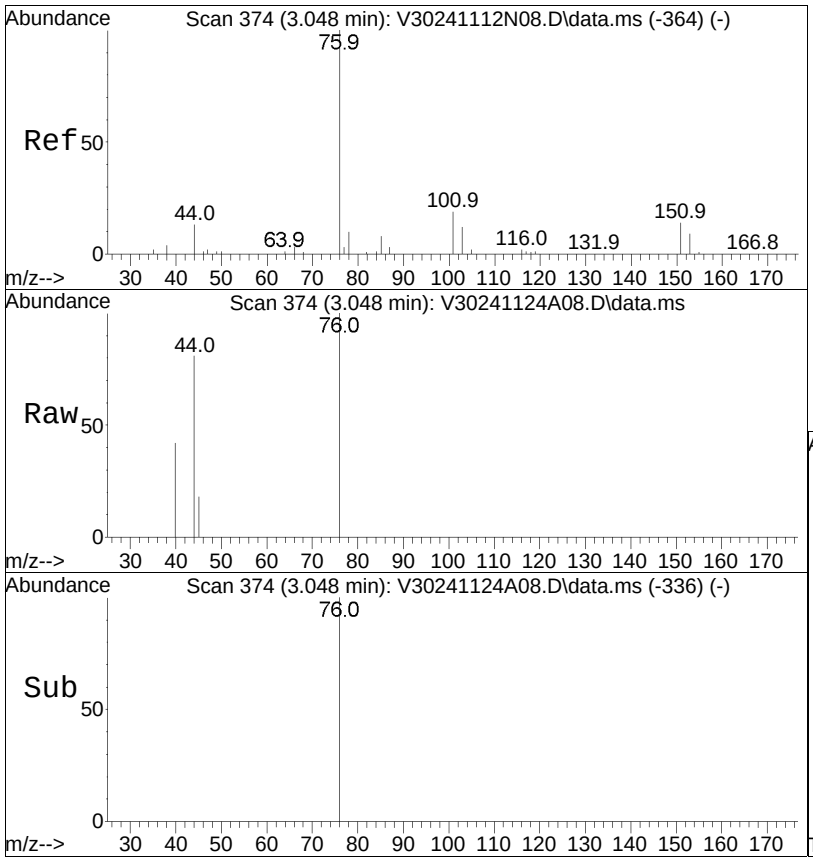
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A08.D
Acq On : 24 Nov 2024 12:43 pm
Operator : VOA130:PID
Sample : L2467934-01,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 25 08:49:36 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

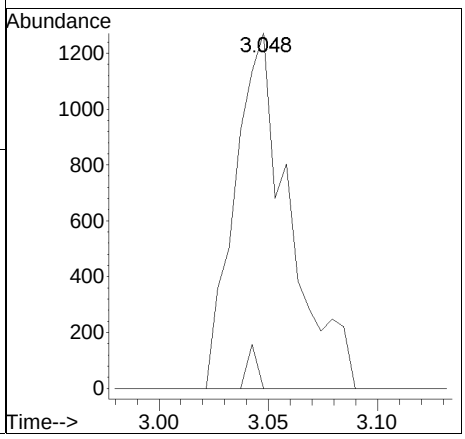


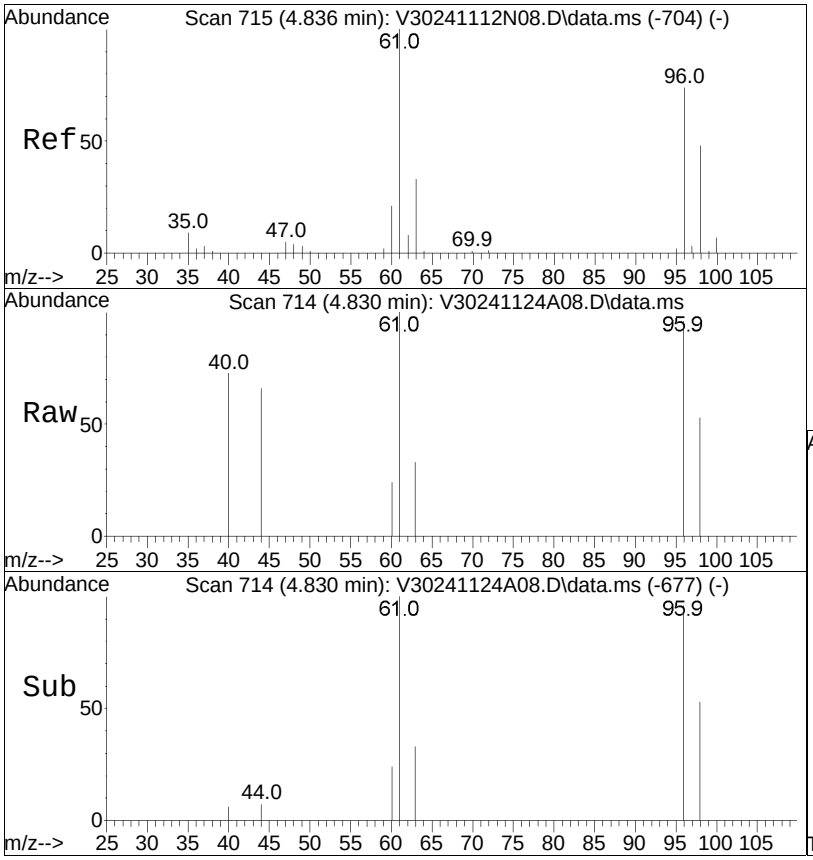


#11
Carbon disulfide
Concen: 0.10 ug/L
RT: 3.048 min Scan# 374
Delta R.T. -0.000 min
Lab File: V30241124A08.D
Acq: 24 Nov 2024 12:43 pm

Tgt Ion: 76 Resp: 2208

Ion	Ratio	Lower	Upper
76	100		
78	2.3	6.4	13.4#

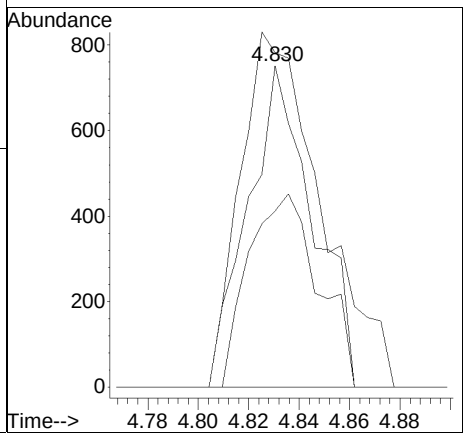


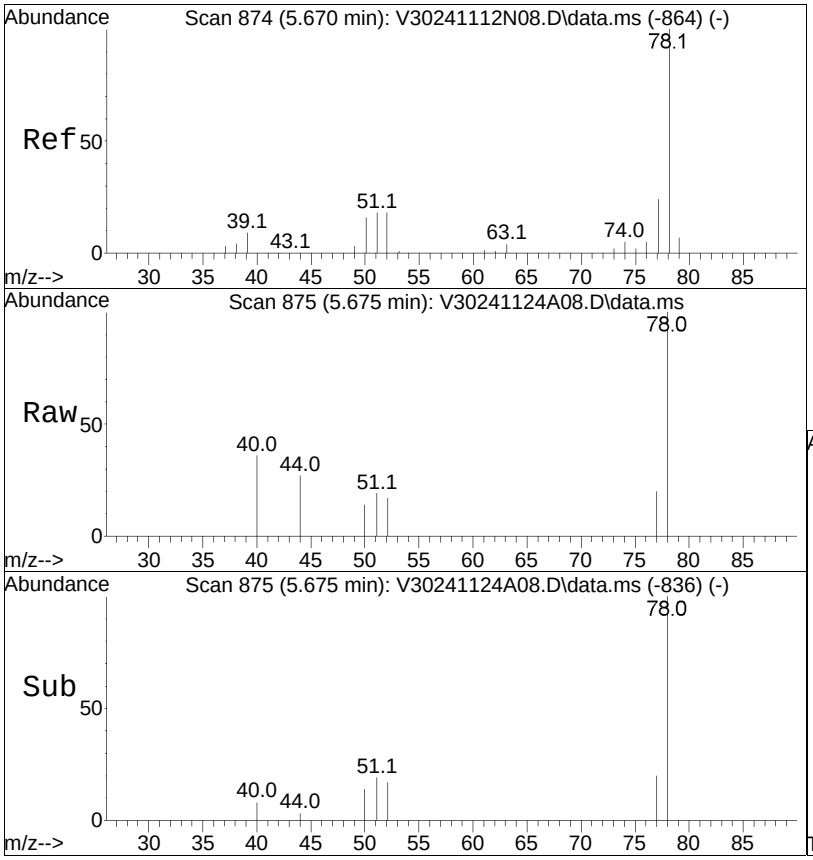


#30
cis-1,2-Dichloroethene
Concen: 0.16 ug/L
RT: 4.830 min Scan# 714
Delta R.T. -0.006 min
Lab File: V30241124A08.D
Acq: 24 Nov 2024 12:43 pm

Tgt Ion: 96 Resp: 1345

Ion	Ratio	Lower	Upper
96	100		
61	137.1	129.3	193.9
98	65.1	51.4	77.2

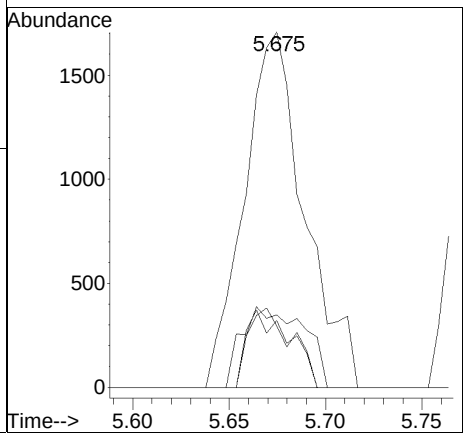




#45
Benzene
Concen: 0.15 ug/L
RT: 5.675 min Scan# 875
Delta R.T. 0.005 min
Lab File: V30241124A08.D
Acq: 24 Nov 2024 12:43 pm

Tgt Ion: 78 Resp: 3711

Ion	Ratio	Lower	Upper
78	100		
77	23.1	15.6	32.4
51	0.0	12.9	26.7#
52	16.1	12.4	25.7



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A08.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 12:43 pm	Instrument	: VOA130
Sample	: L2467934-01,31,10,10,,A	Quant Date	: 11/25/2024 7:34 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A09.D
Acq On : 24 Nov 2024 01:05 pm
Operator : VOA130:PID
Sample : L2467934-02,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 07:34:52 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	331756	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 77.96%			
63) Chlorobenzene-d5	9.634	117	300942	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 87.03%			
84) 1,4-Dichlorobenzene-d4	12.323	152	189756	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 83.15%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.277	113	142691	12.512	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 125.12%			
47) 1,2-Dichloroethane-d4	5.801	65	133634	11.703	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.03%			
64) Toluene-d8	7.788	98	379372	9.397	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.97%			
88) 4-Bromofluorobenzene	11.117	95	162624	9.923	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.23%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.491	85	50	N.D.		
3) Chloromethane	1.858	50	747	0.076	ug/L #	76
4) Vinyl chloride	1.942	62	100	N.D.		
5) Bromomethane	2.257	94	212	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	3.043	76	1640	0.079	ug/L #	73
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.604	43	3350	1.125	ug/L	94
18) trans-1,2-Dichloroethene	3.725	96	56	N.D.		
19) Methyl acetate	3.725	43	175	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	4.836	96	397	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A09.D
Acq On : 24 Nov 2024 01:05 pm
Operator : VOA130:PID
Sample : L2467934-02,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 07:34:52 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.214	43	53		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	9.655	112	51		N.D.	
79) Ethylbenzene	9.639	91	560		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.260	146	100		N.D.	
106) 1,4-Dichlorobenzene	12.344	146	448		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

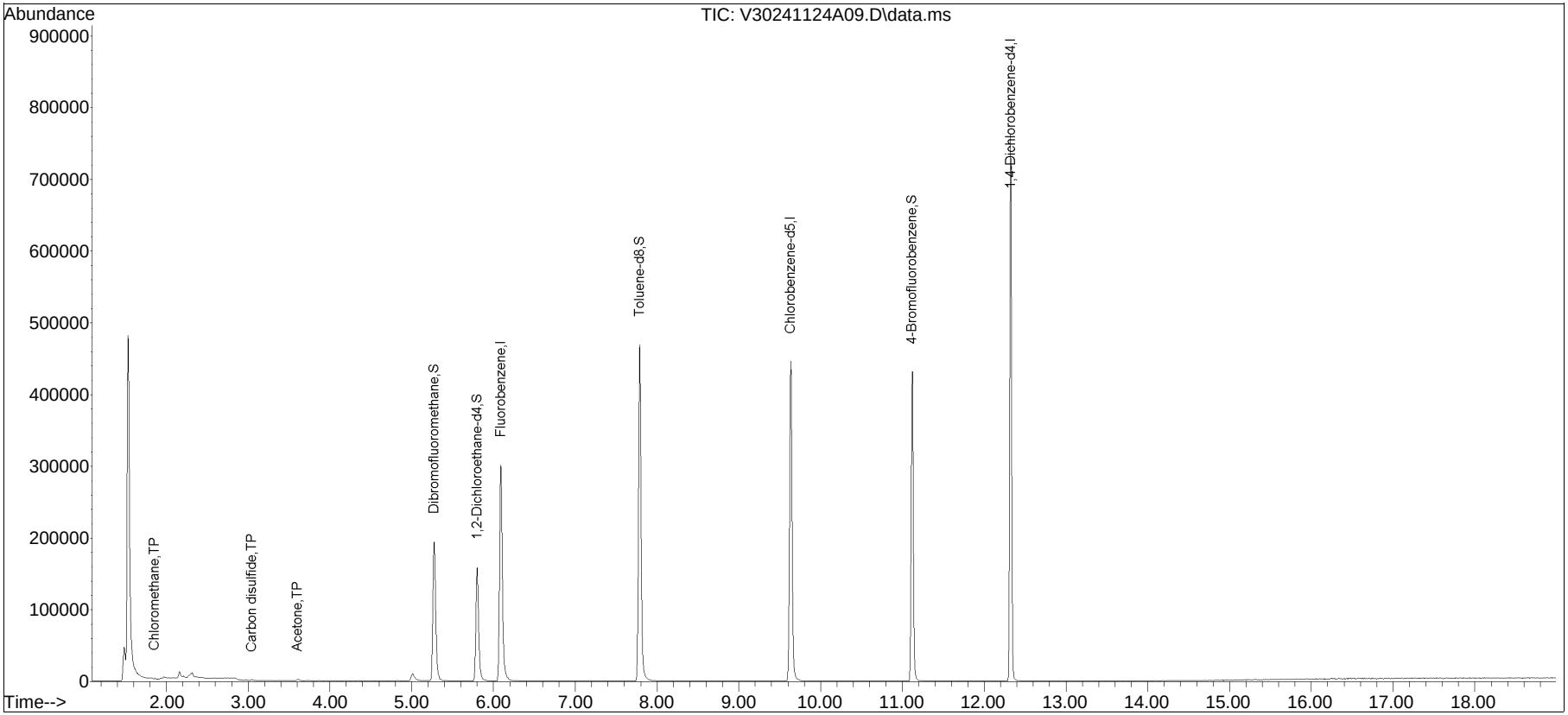
(#) = qualifier out of range (m) = manual integration (+) = signals summed

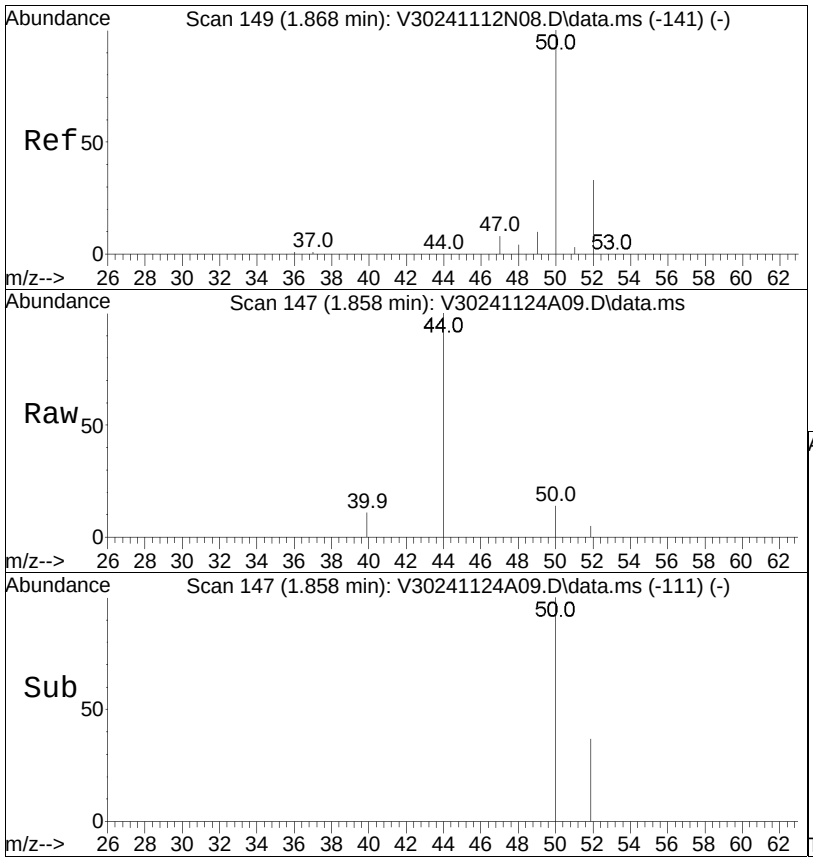
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A09.D
Acq On : 24 Nov 2024 01:05 pm
Operator : VOA130:PID
Sample : L2467934-02,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 25 07:34:52 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

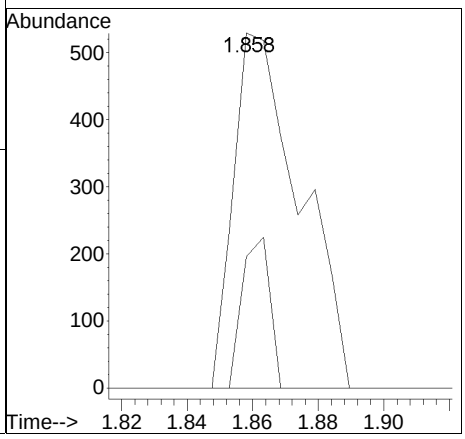


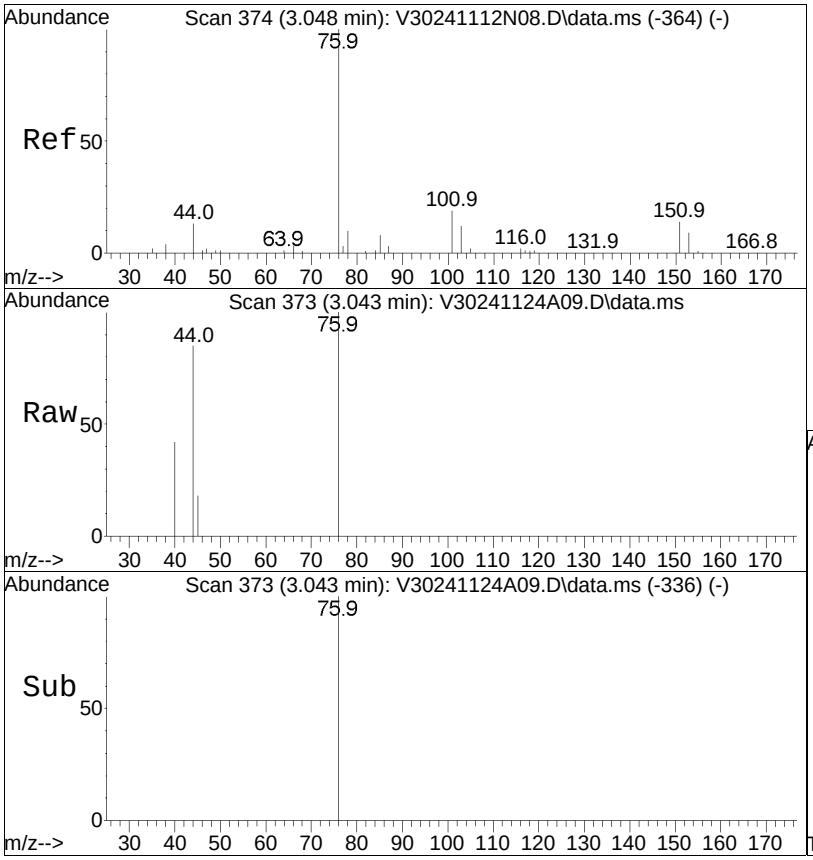


#3
Chloromethane
Concen: 0.08 ug/L
RT: 1.858 min Scan# 147
Delta R.T. -0.010 min
Lab File: V30241124A09.D
Acq: 24 Nov 2024 01:05 pm

Tgt Ion: 50 Resp: 747

Ion	Ratio	Lower	Upper
50	100		
52	17.7	25.1	37.7#
47	0.0	6.5	9.7#

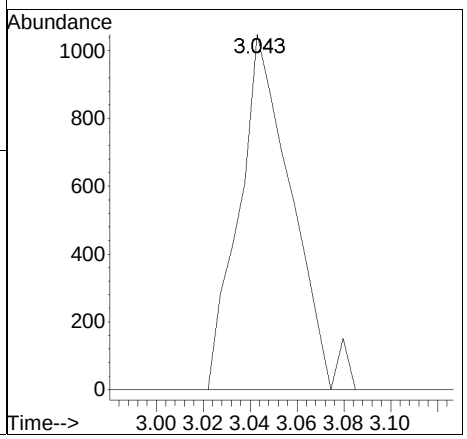


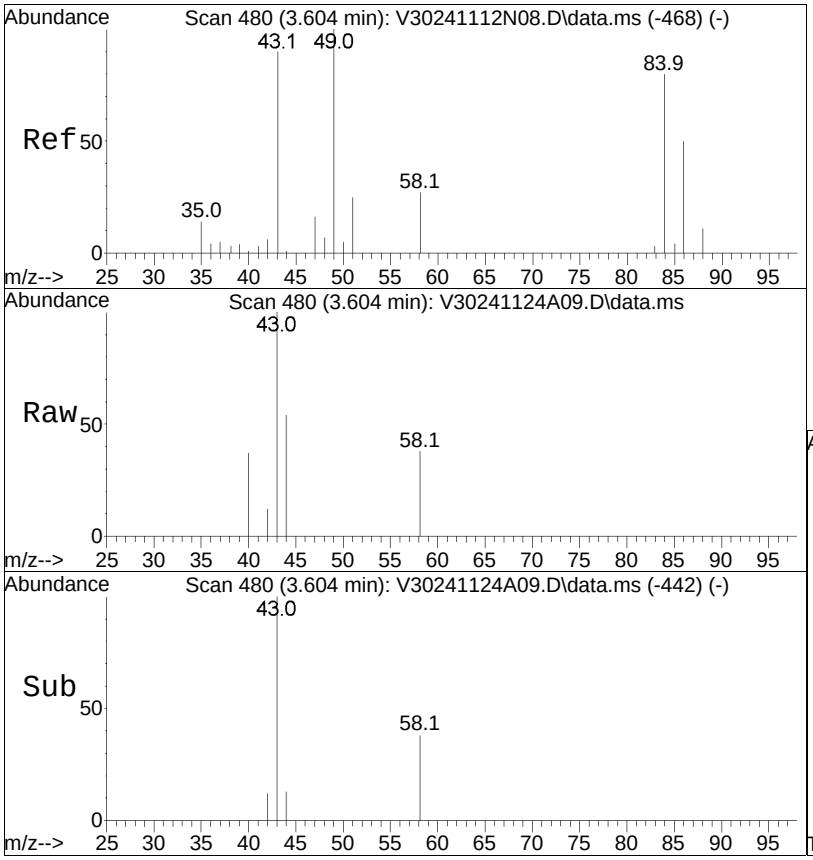


#11
Carbon disulfide
Concen: 0.08 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241124A09.D
Acq: 24 Nov 2024 01:05 pm

Tgt Ion: 76 Resp: 1640

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#

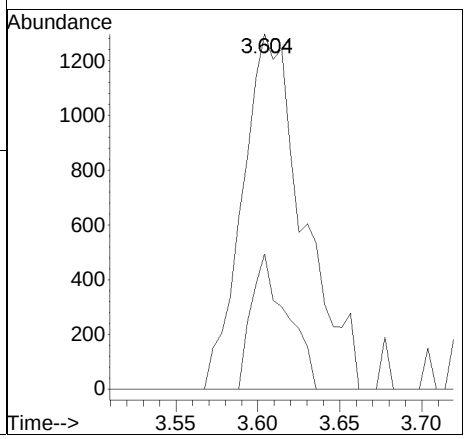




#17
Acetone
Concen: 1.13 ug/L
RT: 3.604 min Scan# 480
Delta R.T. 0.000 min
Lab File: V30241124A09.D
Acq: 24 Nov 2024 01:05 pm

Tgt Ion: 43 Resp: 3350

Ion	Ratio	Lower	Upper
43	100		
58	22.3	20.1	30.1



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A09.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 1:05 pm	Instrument	: VOA130
Sample	: L2467934-02,31,10,10,,A	Quant Date	: 11/25/2024 7:34 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A10.D
Acq On : 24 Nov 2024 01:26 pm
Operator : VOA130:PID
Sample : L2467934-03,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 08:50:36 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	338814	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 79.61%			
63) Chlorobenzene-d5	9.633	117	304989	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 88.20%			
84) 1,4-Dichlorobenzene-d4	12.323	152	192253	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 84.24%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	143814	12.348	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 123.48%			
47) 1,2-Dichloroethane-d4	5.801	65	131591	11.284	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.84%			
64) Toluene-d8	7.788	98	387244	9.465	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.65%			
88) 4-Bromofluorobenzene	11.123	95	163314	9.836	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.863	50	339	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.256	94	181	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	3.043	76	1383	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	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.846	96	158	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A10.D
Acq On : 24 Nov 2024 01:26 pm
Operator : VOA130:PID
Sample : L2467934-03,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 08:50:36 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	6.189	95	54		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.633	91	438		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.255	146	179		N.D.	
106) 1,4-Dichlorobenzene	12.339	146	215		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

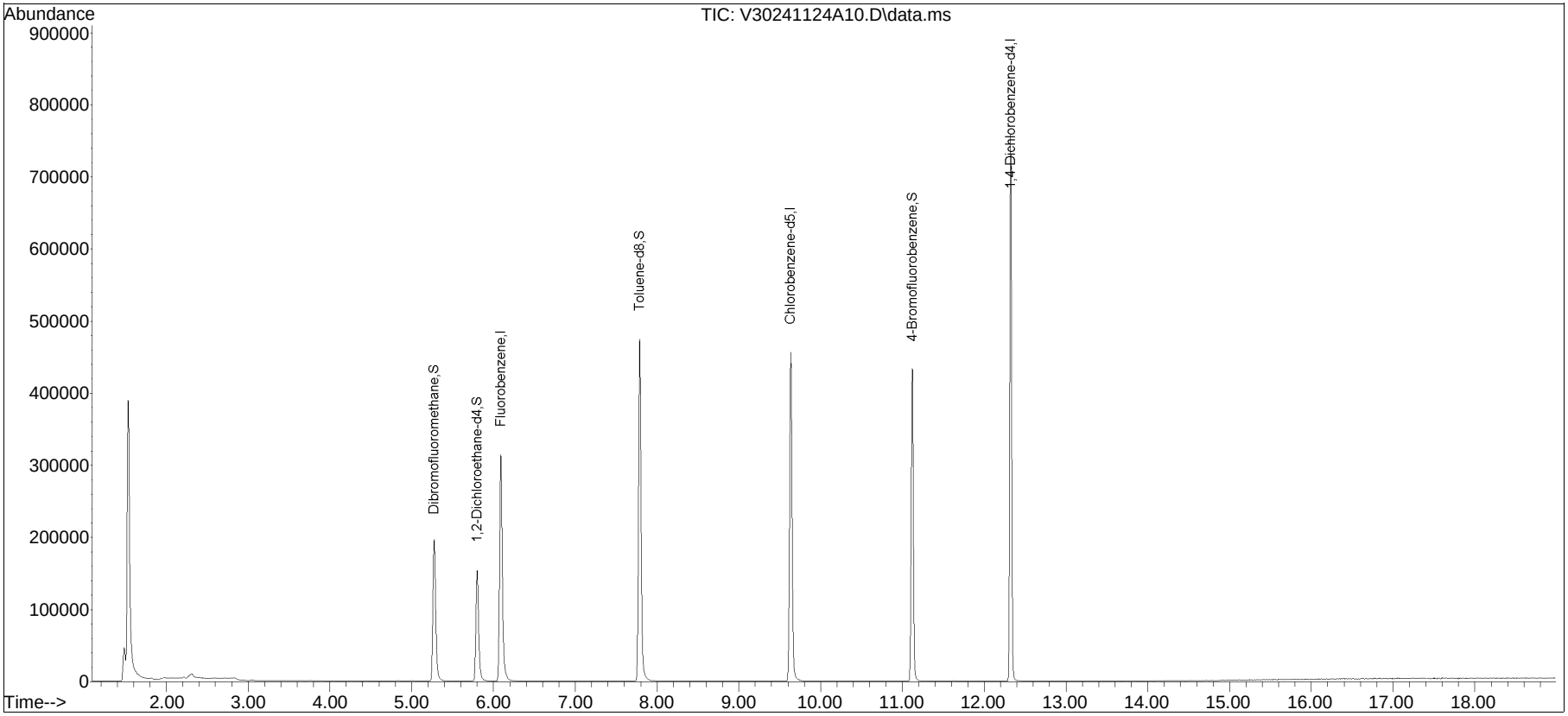
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A10.D
Acq On : 24 Nov 2024 01:26 pm
Operator : VOA130:PID
Sample : L2467934-03,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 25 08:50:36 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A10.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 1:26 pm	Instrument	: VOA130
Sample	: L2467934-03,31,10,10,,A	Quant Date	: 11/25/2024 7:34 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A11.D
Acq On : 24 Nov 2024 01:48 pm
Operator : VOA130:PID
Sample : L2467934-04,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 25 08:50:45 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	329061	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 77.32%			
63) Chlorobenzene-d5	9.633	117	299040	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 86.48%			
84) 1,4-Dichlorobenzene-d4	12.323	152	189198	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 82.90%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	143162	12.656	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 126.56%			
47) 1,2-Dichloroethane-d4	5.801	65	132136	11.666	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.66%			
64) Toluene-d8	7.788	98	381352	9.506	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.06%			
88) 4-Bromofluorobenzene	11.117	95	159130	9.739	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.39%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.863	50	435	N.D.		
4) Vinyl chloride	1.942	62	125	N.D.		
5) Bromomethane	2.262	94	153	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	3.043	76	1531	0.074	ug/L #	73
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.609	43	10055	7.317	ug/L	95
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	4.831	96	48	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	5.098	83	8167	0.580	ug/L #	95
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A11.D
Acq On : 24 Nov 2024 01:48 pm
Operator : VOA130:PID
Sample : L2467934-04,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 25 08:50:45 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.224	43	57		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.639	91	587		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.344	146	261		N.D.	
106) 1,4-Dichlorobenzene	12.344	146	261		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

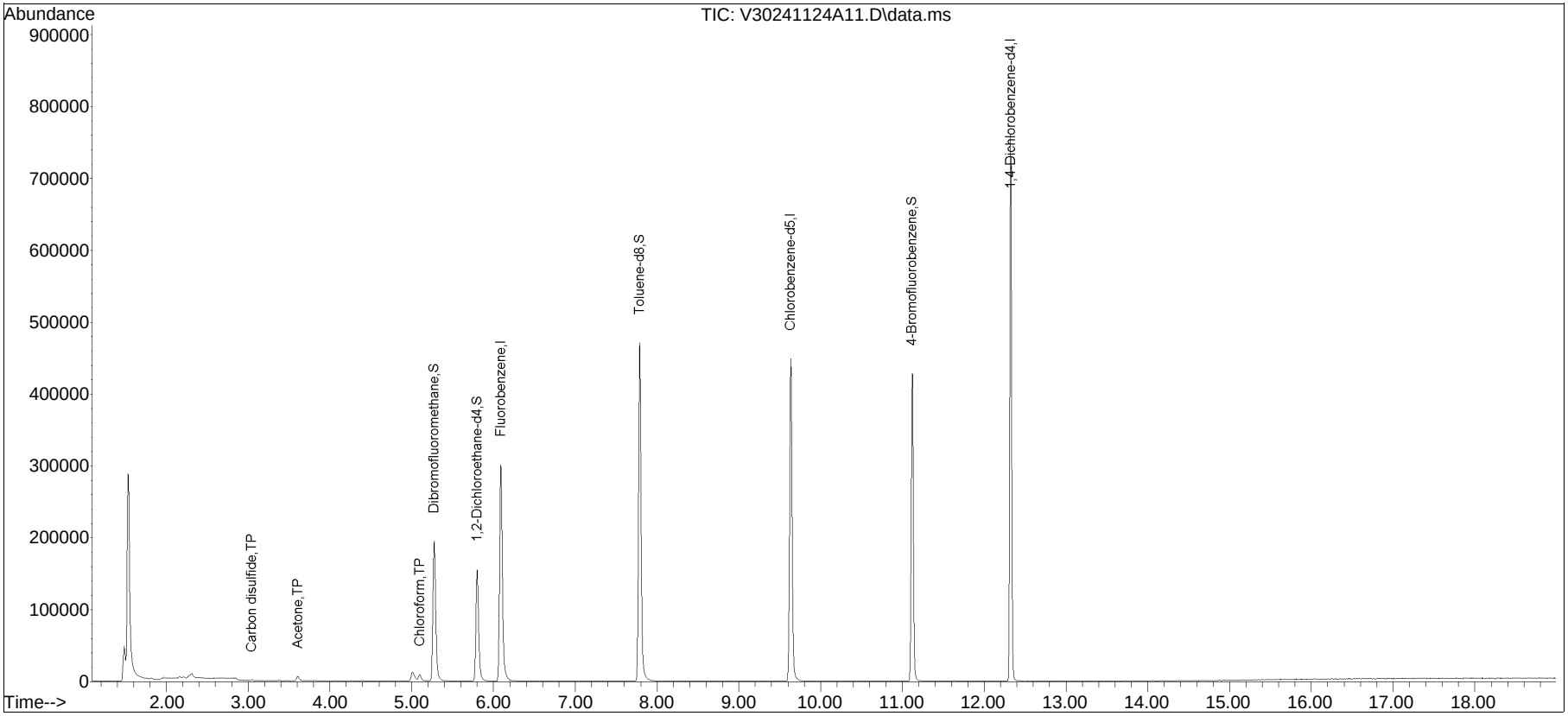
(#) = qualifier out of range (m) = manual integration (+) = signals summed

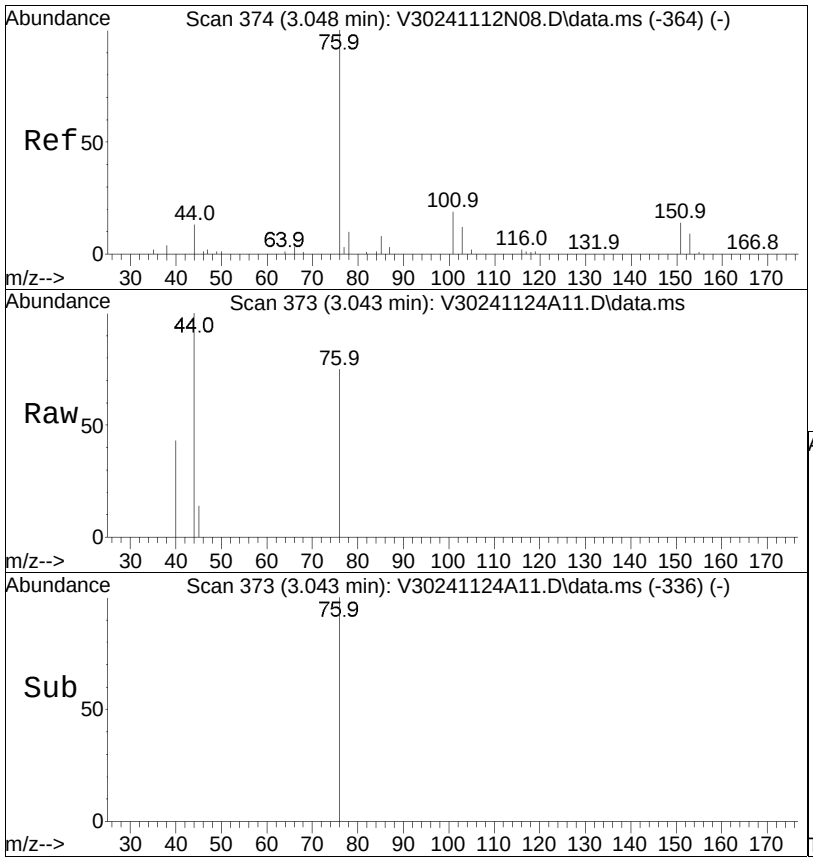
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A11.D
Acq On : 24 Nov 2024 01:48 pm
Operator : VOA130:PID
Sample : L2467934-04,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 25 08:50:45 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

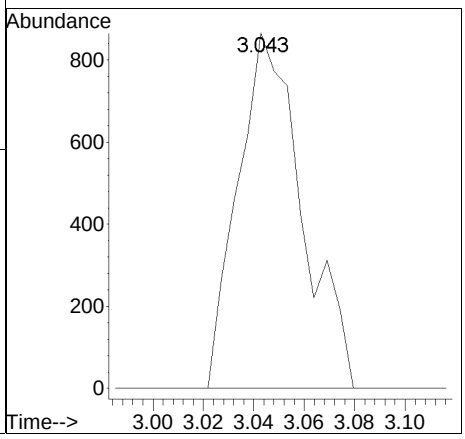


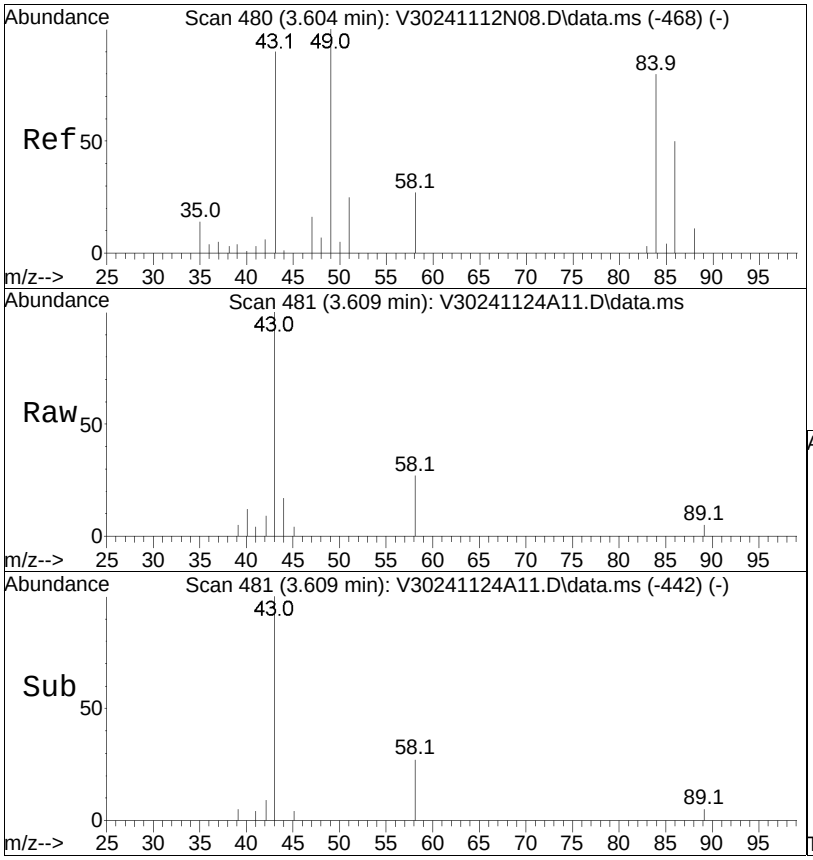


#11
Carbon disulfide
Concen: 0.07 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241124A11.D
Acq: 24 Nov 2024 01:48 pm

Tgt Ion: 76 Resp: 1531

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#

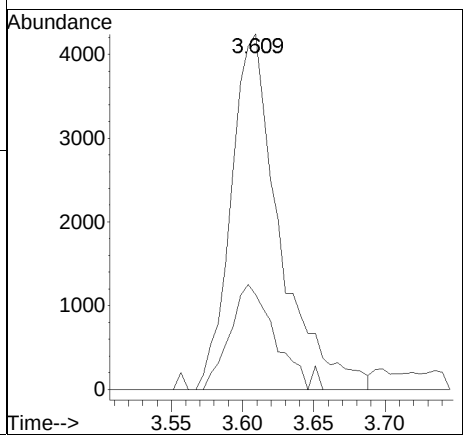


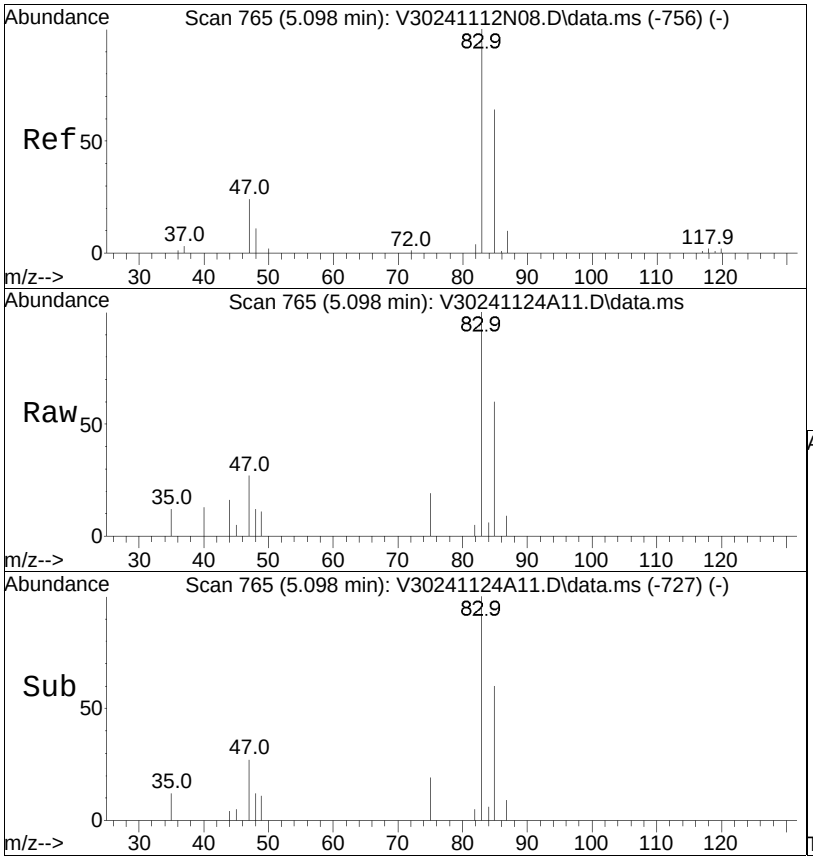


#17
Acetone
Concen: 7.32 ug/L
RT: 3.609 min Scan# 481
Delta R.T. 0.005 min
Lab File: V30241124A11.D
Acq: 24 Nov 2024 01:48 pm

Tgt Ion: 43 Resp: 10055

Ion	Ratio	Lower	Upper
43	100		
58	27.7	20.1	30.1

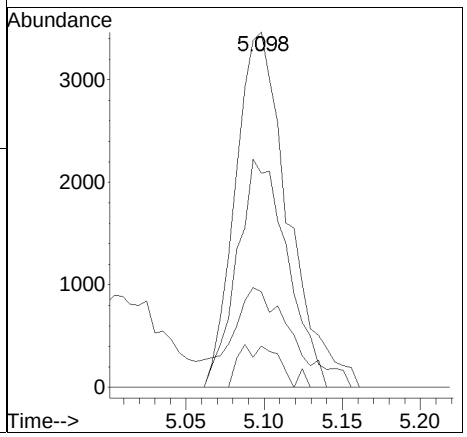




#35
Chloroform
Concen: 0.58 ug/L
RT: 5.098 min Scan# 765
Delta R.T. 0.000 min
Lab File: V30241124A11.D
Acq: 24 Nov 2024 01:48 pm

Tgt Ion: 83 Resp: 8167

Ion	Ratio	Lower	Upper
83	100		
85	63.4	41.4	86.0
47	30.1	20.5	42.5
48	3.8	9.9	20.5#



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A11.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 1:48 pm	Instrument	: VOA130
Sample	: L2467934-04,31,10,10,,A	Quant Date	: 11/25/2024 7:34 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A12.D
Acq On : 24 Nov 2024 02:10 pm
Operator : VOA130:PID
Sample : L2467934-05,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 25 08:50:54 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	327810	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 77.03%			
63) Chlorobenzene-d5	9.634	117	296006	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 85.60%			
84) 1,4-Dichlorobenzene-d4	12.323	152	186383	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 81.67%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	141640	12.570	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 125.70%			
47) 1,2-Dichloroethane-d4	5.796	65	129539	11.480	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.80%			
64) Toluene-d8	7.788	98	374618	9.434	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.34%			
88) 4-Bromofluorobenzene	11.117	95	157661	9.795	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.95%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.869	50	401	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.262	94	203	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	3.048	76	1023	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	3.740	43	109	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.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	5.093	83	949	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A12.D
Acq On : 24 Nov 2024 02:10 pm
Operator : VOA130:PID
Sample : L2467934-05,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 25 08:50:54 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	6.184	95	171		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.639	91	618		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.260	146	51		N.D.	
106) 1,4-Dichlorobenzene	12.344	146	184		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

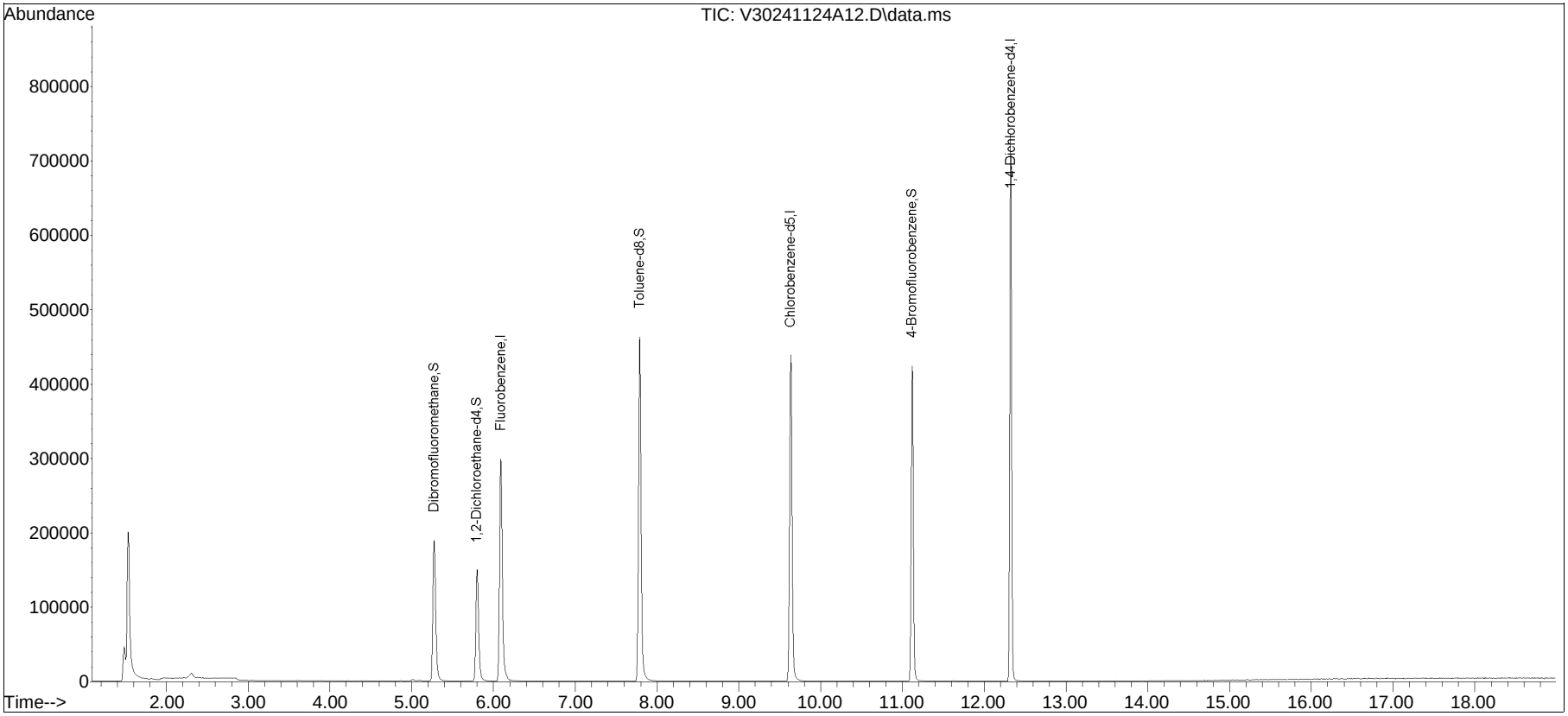
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A12.D
Acq On : 24 Nov 2024 02:10 pm
Operator : VOA130:PID
Sample : L2467934-05,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 25 08:50:54 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A12.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 2:10 pm	Instrument	: VOA130
Sample	: L2467934-05,31,10,10,,A	Quant Date	: 11/25/2024 7:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A13.D
Acq On : 24 Nov 2024 02:32 pm
Operator : VOA130:PID
Sample : L2467934-06,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 08:51:05 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	337772	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 79.37%			
63) Chlorobenzene-d5	9.633	117	302359	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 87.44%			
84) 1,4-Dichlorobenzene-d4	12.323	152	187268	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 82.06%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	140218	12.077	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.77%			
47) 1,2-Dichloroethane-d4	5.801	65	125634	10.806	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.06%			
64) Toluene-d8	7.788	98	384447	9.478	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.78%			
88) 4-Bromofluorobenzene	11.117	95	159156	9.841	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.41%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.879	50	283	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.256	94	128	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	3.043	76	1257	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	3.724	96	52	N.D.		
19) Methyl acetate	3.735	43	76	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.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A13.D
Acq On : 24 Nov 2024 02:32 pm
Operator : VOA130:PID
Sample : L2467934-06,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 08:51:05 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	5.659	78	103		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.633	91	587		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.344	146	264		N.D.	
106) 1,4-Dichlorobenzene	12.344	146	264		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

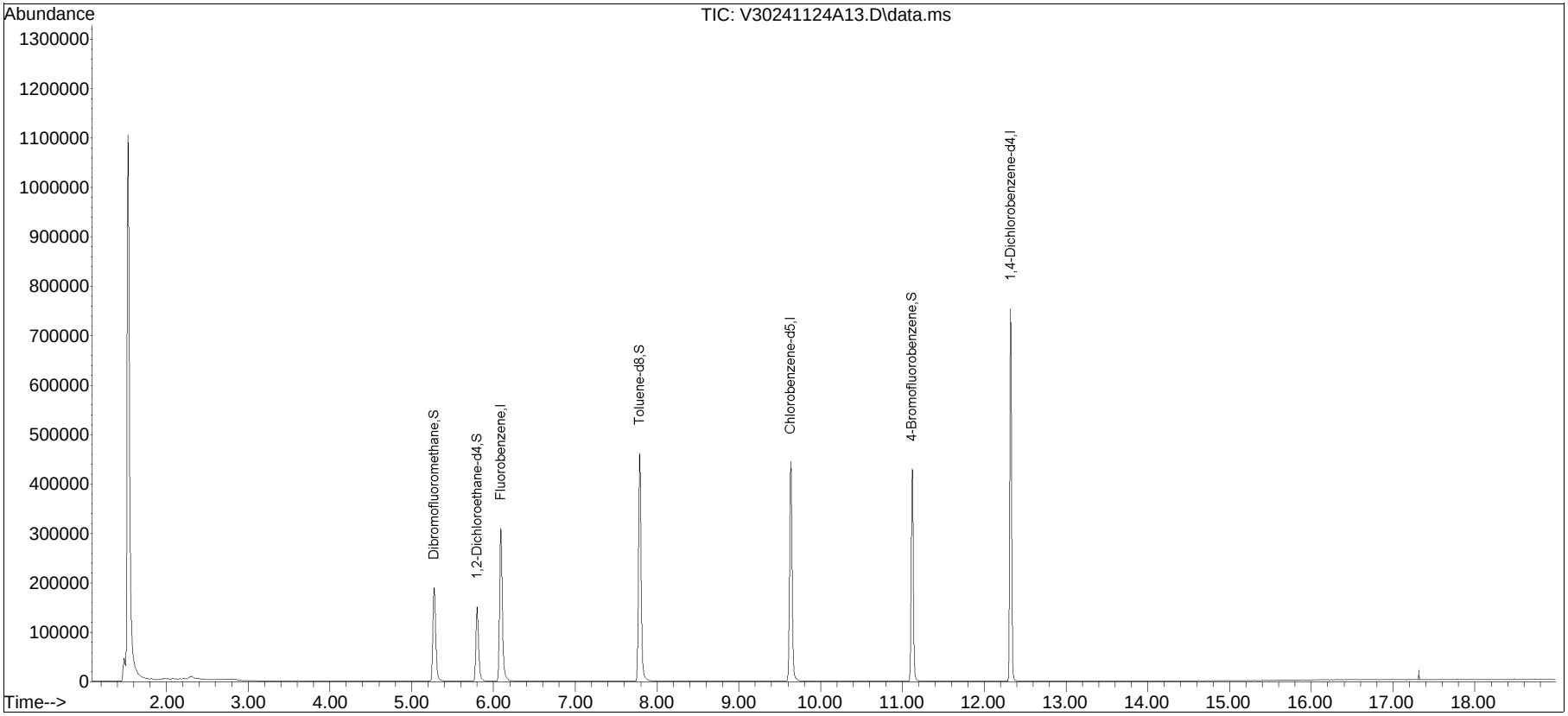
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A13.D
Acq On : 24 Nov 2024 02:32 pm
Operator : VOA130:PID
Sample : L2467934-06,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 25 08:51:05 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A13.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 2:32 pm	Instrument	: VOA130
Sample	: L2467934-06,31,10,10,,A	Quant Date	: 11/25/2024 7:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A14.D
Acq On : 24 Nov 2024 02:54 pm
Operator : VOA130:PID
Sample : L2467934-07,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 25 07:35:12 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	331605	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 77.92%			
63) Chlorobenzene-d5	9.633	117	301960	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 87.32%			
84) 1,4-Dichlorobenzene-d4	12.323	152	194438	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 85.20%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	145997	12.808	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 128.08%			
47) 1,2-Dichloroethane-d4	5.801	65	133746	11.718	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.18%			
64) Toluene-d8	7.788	98	381645	9.422	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.22%			
88) 4-Bromofluorobenzene	11.117	95	162981	9.706	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0		N.D.	
3) Chloromethane	1.863	50	447		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	2.261	94	170		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	3.043	76	1134		N.D.	
12) Freon-113	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
17) Acetone	3.614	43	2176		N.D.	
18) trans-1,2-Dichloroethene	3.730	96	54		N.D.	
19) Methyl acetate	3.730	43	168		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.	
33) Bromochloromethane	0.000		0		N.D.	
34) Cyclohexane	0.000		0		N.D.	
35) Chloroform	0.000		0		N.D.	
37) Carbon tetrachloride	0.000		0		N.D.	

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A14.D
Acq On : 24 Nov 2024 02:54 pm
Operator : VOA130:PID
Sample : L2467934-07,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 25 07:35:12 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	9.649	112	57		N.D.	
79) Ethylbenzene	9.628	91	305		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.344	146	230		N.D.	
106) 1,4-Dichlorobenzene	12.344	146	230		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

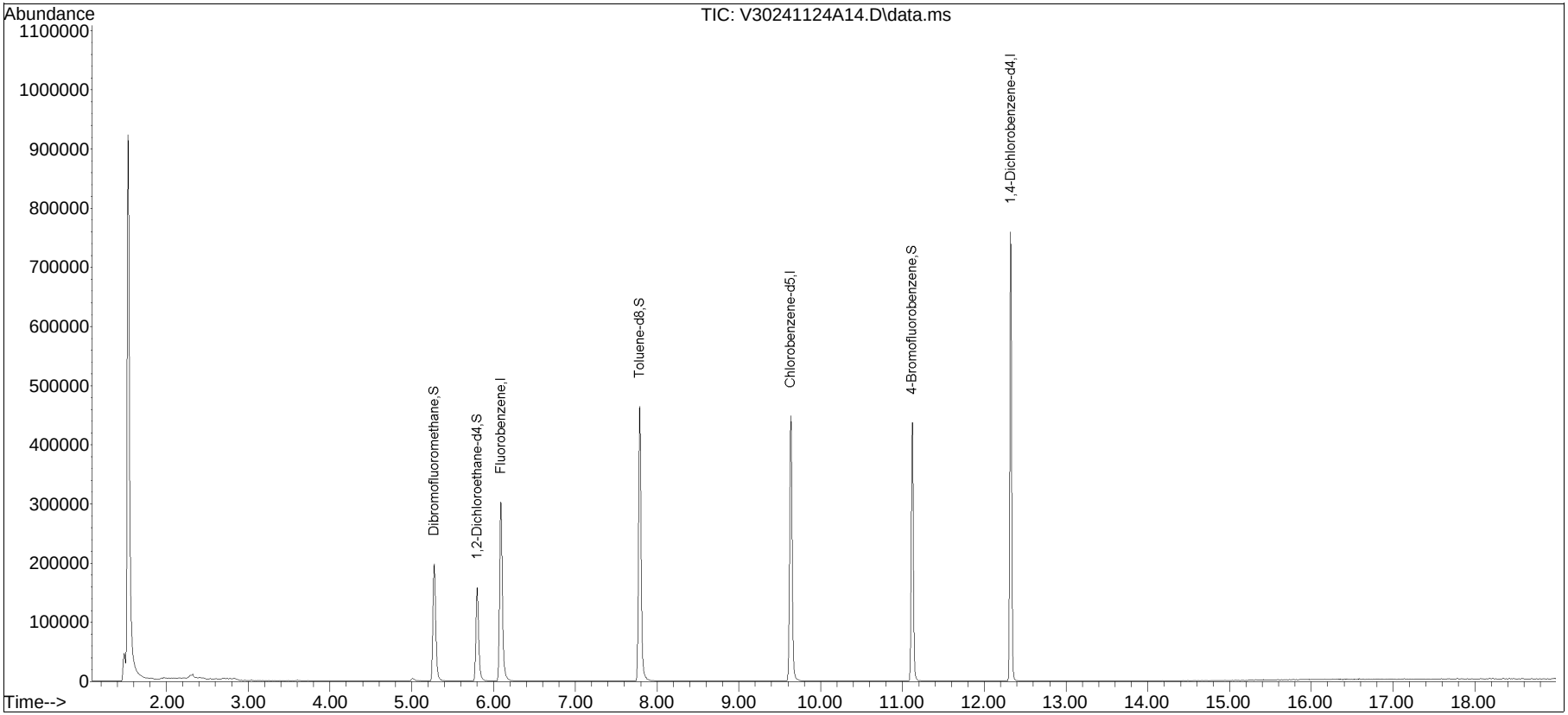
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A14.D
Acq On : 24 Nov 2024 02:54 pm
Operator : VOA130:PID
Sample : L2467934-07,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 25 07:35:12 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A14.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 2:54 pm	Instrument	: VOA130
Sample	: L2467934-07,31,10,10,,A	Quant Date	: 11/25/2024 7:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A15.D
Acq On : 24 Nov 2024 03:16 pm
Operator : VOA130:PID
Sample : L2467934-08,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 25 07:35:16 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.089	96	329052	10.000 ug/L	0.00
Standard Area 1 = 425566			Recovery =	77.32%	
63) Chlorobenzene-d5	9.633	117	295411	10.000 ug/L	0.00
Standard Area 1 = 345808			Recovery =	85.43%	
84) 1,4-Dichlorobenzene-d4	12.323	152	187257	10.000 ug/L	0.00
Standard Area 1 = 228216			Recovery =	82.05%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.271	113	141326	12.495 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	124.95%	
47) 1,2-Dichloroethane-d4	5.801	65	126266	11.148 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.48%	
64) Toluene-d8	7.788	98	377277	9.520 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.20%	
88) 4-Bromofluorobenzene	11.123	95	158152	9.779 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.79%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.491	85	128	N.D.	
3) Chloromethane	1.863	50	656	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.256	94	365	0.071 ug/L #	59
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	3.043	76	1236	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.604	43	2962	0.793 ug/L	98
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.719	43	128	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.	
33) Bromochloromethane	0.000		0	N.D.	
34) Cyclohexane	0.000		0	N.D.	
35) Chloroform	5.098	83	180	N.D.	
37) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A15.D
Acq On : 24 Nov 2024 03:16 pm
Operator : VOA130:PID
Sample : L2467934-08,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 25 07:35:16 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	6.204	95	57		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.633	91	465		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.339	146	232		N.D.	
106) 1,4-Dichlorobenzene	12.339	146	232		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

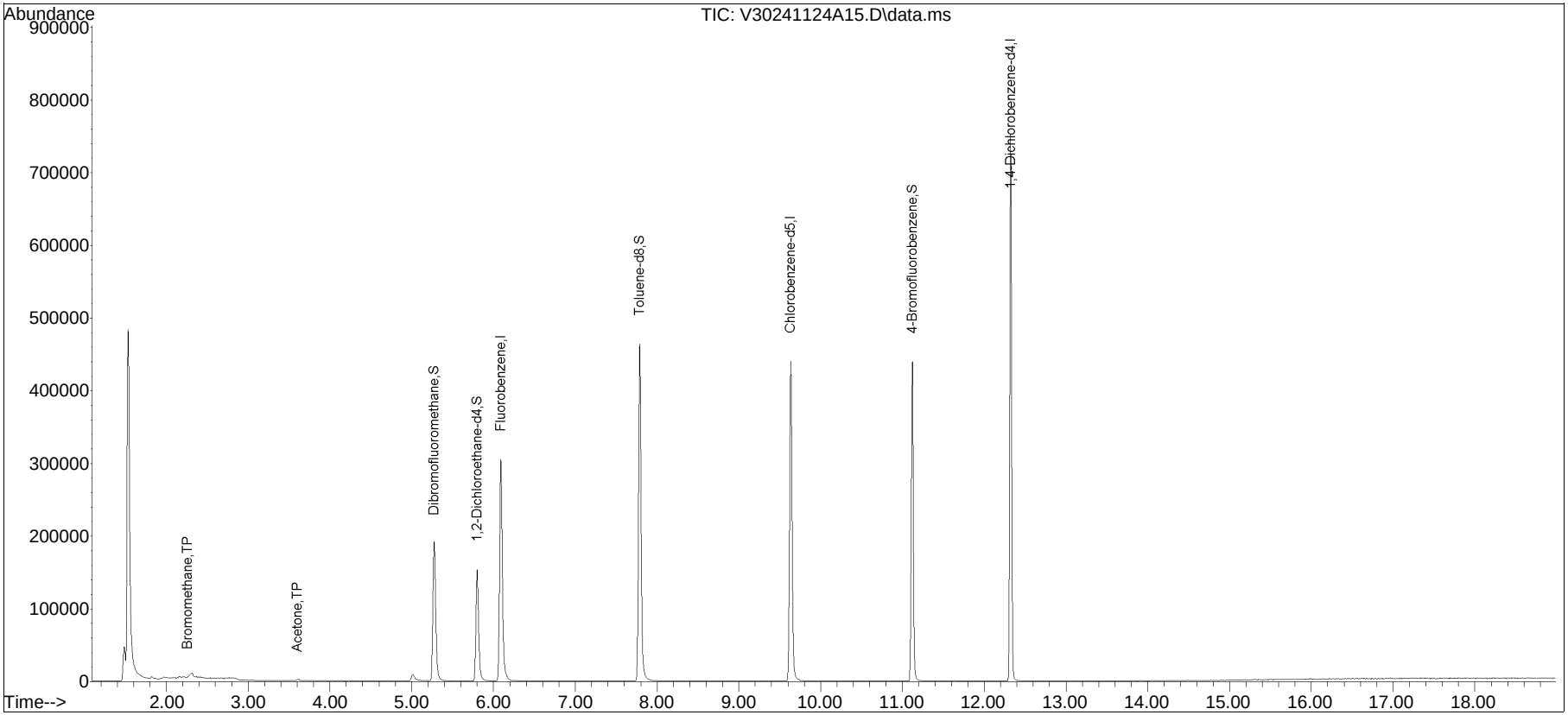
(#) = qualifier out of range (m) = manual integration (+) = signals summed

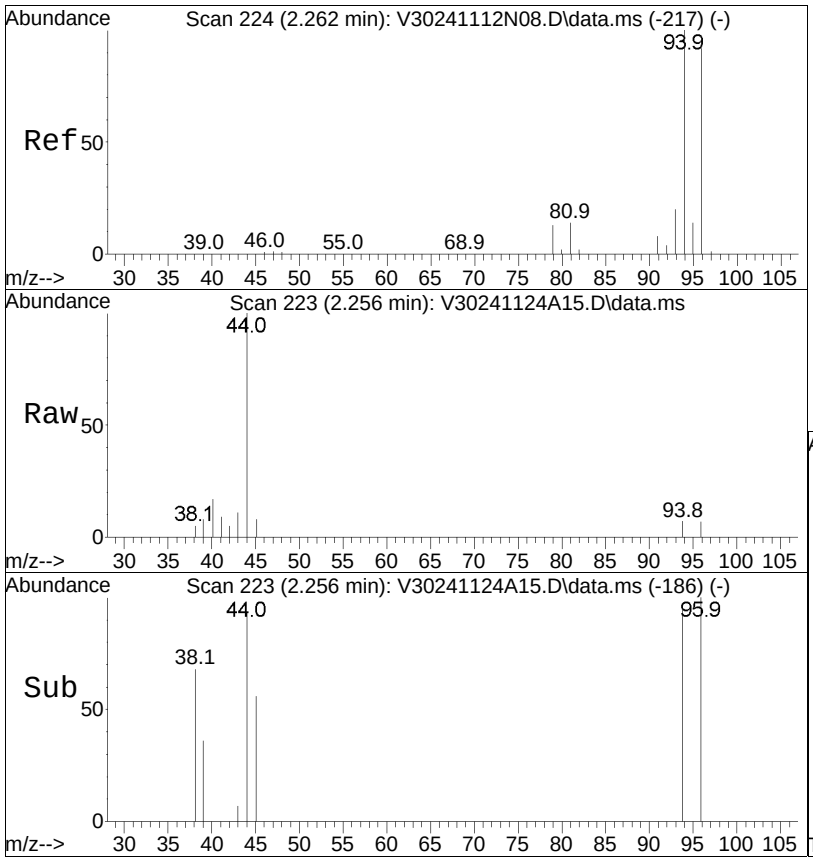
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A15.D
Acq On : 24 Nov 2024 03:16 pm
Operator : VOA130:PID
Sample : L2467934-08,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 25 07:35:16 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

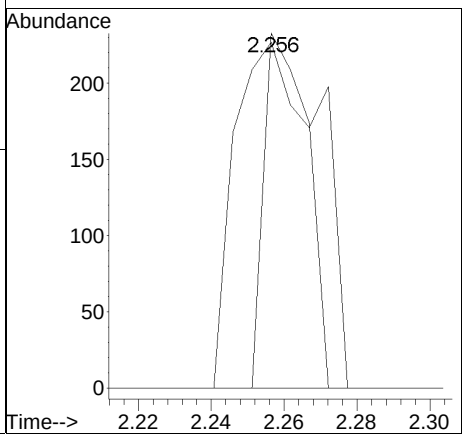


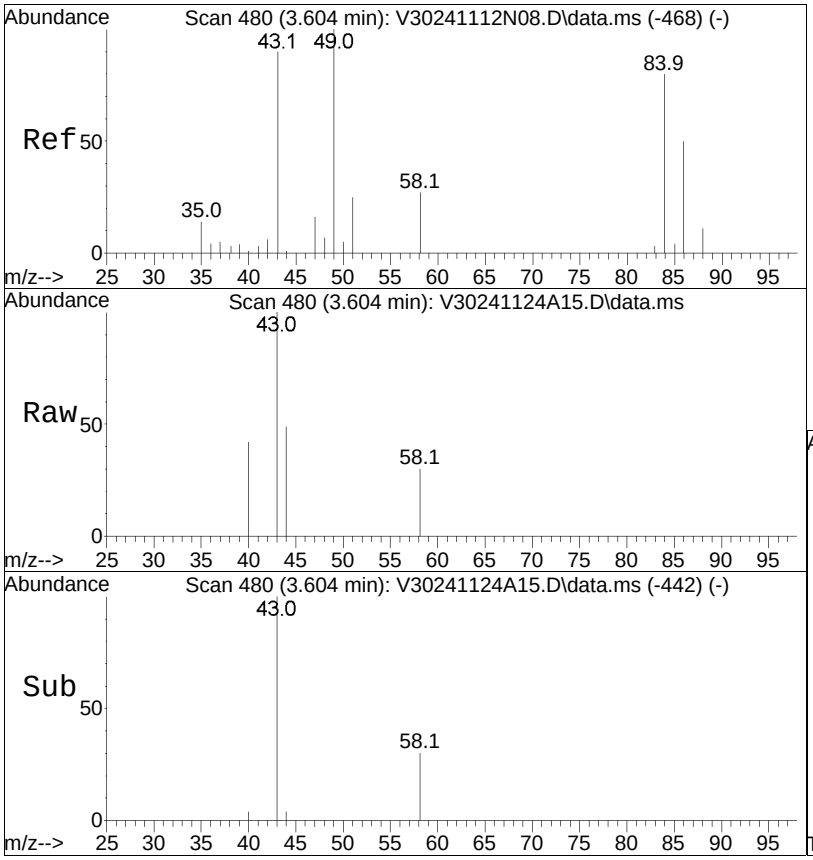


#5
Bromomethane
Concen: 0.07 ug/L
RT: 2.256 min Scan# 223
Delta R.T. -0.006 min
Lab File: V30241124A15.D
Acq: 24 Nov 2024 03:16 pm

Tgt Ion: 94 Resp: 365

Ion	Ratio	Lower	Upper
94	100		
96	53.2	73.7	110.5#

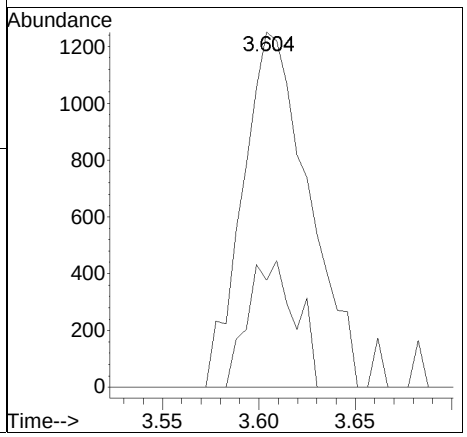




#17
Acetone
Concen: 0.79 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241124A15.D
Acq: 24 Nov 2024 03:16 pm

Tgt Ion: 43 Resp: 2962

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.1	30.1



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A15.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 3:16 pm	Instrument	: VOA130
Sample	: L2467934-08,31,10,10,,A	Quant Date	: 11/25/2024 7:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A16.D
Acq On : 24 Nov 2024 03:37 pm
Operator : VOA130:PID
Sample : L2467934-10,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 25 08:51:38 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	324124	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 76.16%			
63) Chlorobenzene-d5	9.633	117	301233	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 87.11%			
84) 1,4-Dichlorobenzene-d4	12.323	152	189587	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 83.07%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	142915	12.827	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 128.27%			
47) 1,2-Dichloroethane-d4	5.801	65	129998	11.652	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.52%			
64) Toluene-d8	7.788	98	378218	9.360	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.60%			
88) 4-Bromofluorobenzene	11.117	95	159107	9.717	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.17%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.863	50	451	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.267	94	201	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	3.043	76	803	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.604	43	2449	0.356	ug/L	91
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.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A16.D
Acq On : 24 Nov 2024 03:37 pm
Operator : VOA130:PID
Sample : L2467934-10,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 25 08:51:38 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	5.255	43	75	N.D.		
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
51) Methyl cyclohexane	0.000		0	N.D.		
52) Trichloroethene	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.840	92	1321	0.072	ug/L	83
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	0.000		0	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.628	91	414	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	12.344	146	103	N.D.		
106) 1,4-Dichlorobenzene	12.344	146	103	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

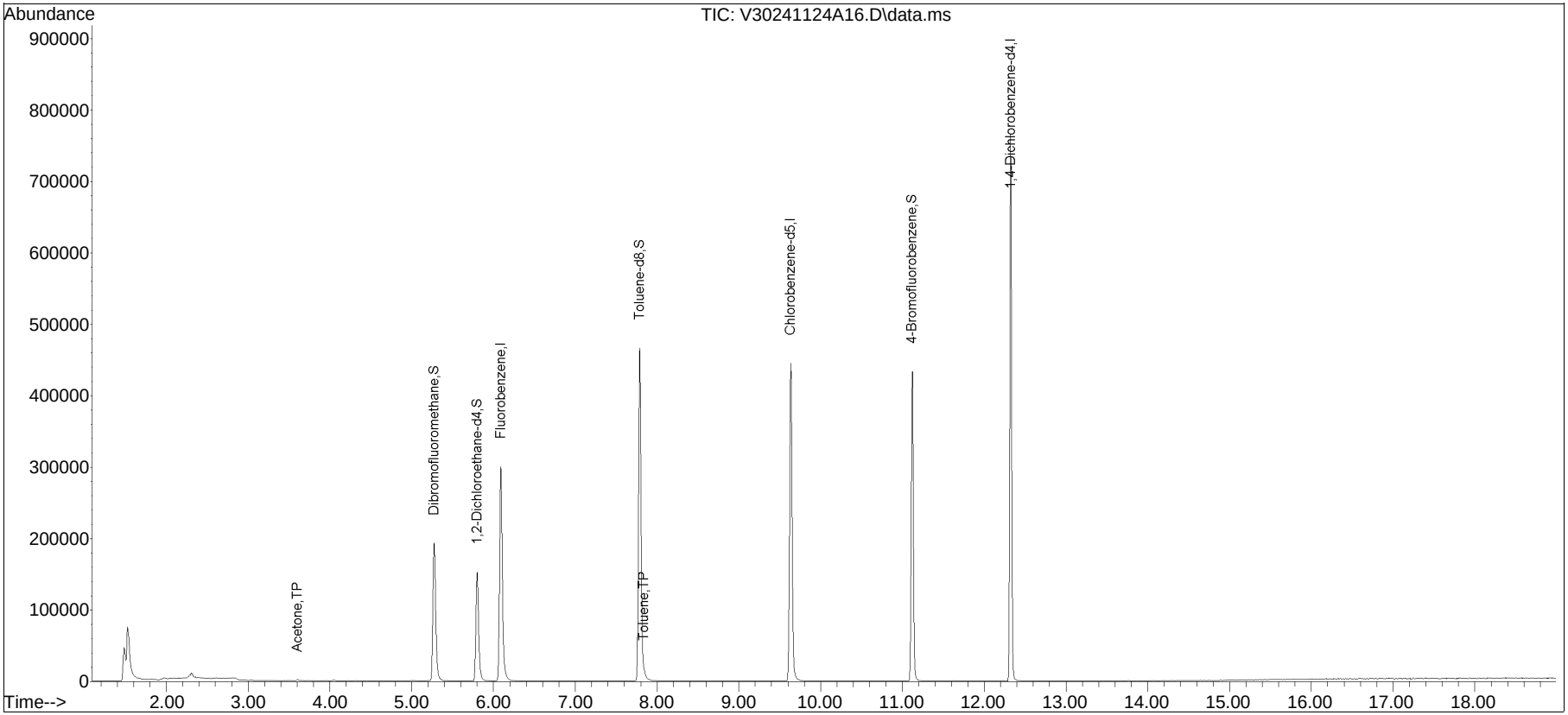
(#) = qualifier out of range (m) = manual integration (+) = signals summed

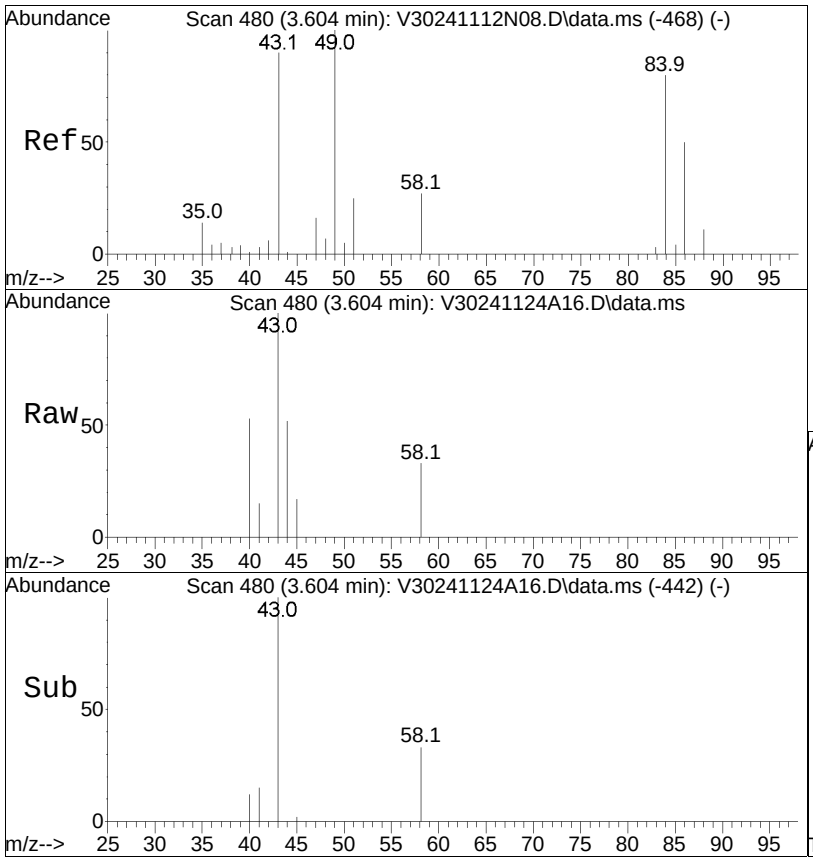
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A16.D
Acq On : 24 Nov 2024 03:37 pm
Operator : VOA130:PID
Sample : L2467934-10,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 25 08:51:38 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

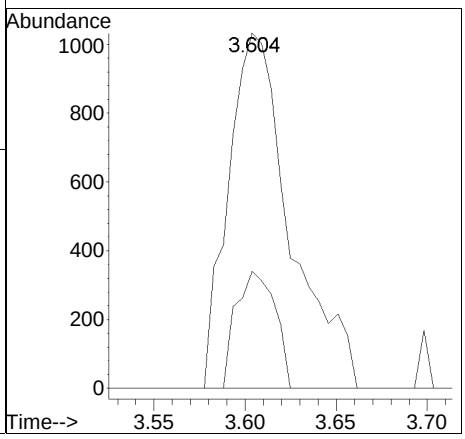


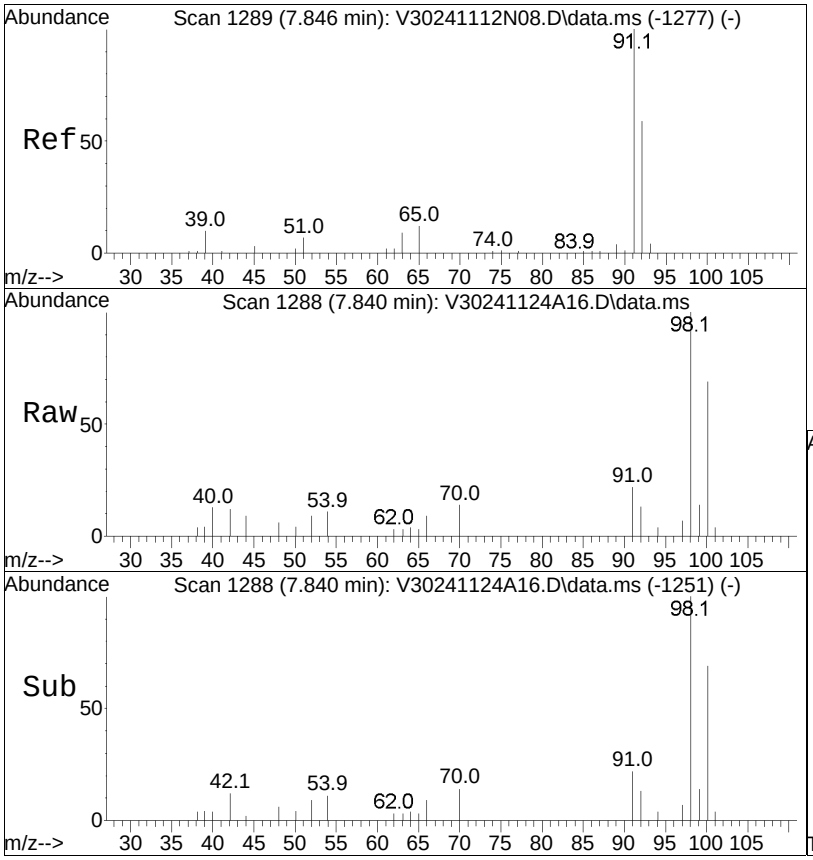


#17
Acetone
Concen: 0.36 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241124A16.D
Acq: 24 Nov 2024 03:37 pm

Tgt Ion: 43 Resp: 2449

Ion	Ratio	Lower	Upper
43	100		
58	20.7	20.1	30.1

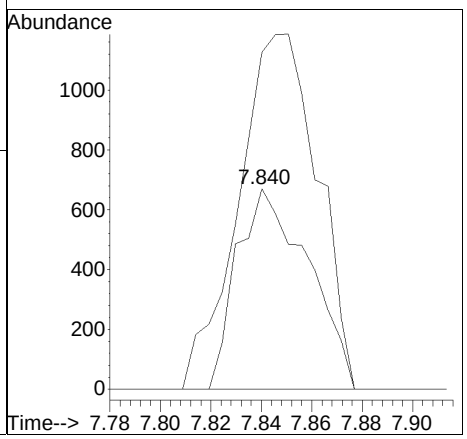




#65
Toluene
Concen: 0.07 ug/L
RT: 7.840 min Scan# 1288
Delta R.T. -0.006 min
Lab File: V30241124A16.D
Acq: 24 Nov 2024 03:37 pm

Tgt Ion: 92 Resp: 1321

Ion	Ratio	Lower	Upper
92	100		
91	195.8	137.5	206.3



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A16.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 3:37 pm	Instrument	: VOA130
Sample	: L2467934-10,31,10,10,,A	Quant Date	: 11/25/2024 7:35 am

There are no manual integrations or false positives in this file.

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A17.D
Acq On : 24 Nov 2024 03:59 pm
Operator : VOA130:PID
Sample : L2467934-11,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 25 08:51:50 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	322482	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 75.78%			
63) Chlorobenzene-d5	9.633	117	296187	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 85.65%			
84) 1,4-Dichlorobenzene-d4	12.323	152	186270	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 81.62%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	140277	12.654	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 126.54%			
47) 1,2-Dichloroethane-d4	5.801	65	125908	11.343	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.43%			
64) Toluene-d8	7.788	98	374436	9.424	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.24%			
88) 4-Bromofluorobenzene	11.122	95	158068	9.826	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.863	50	479	N.D.		
4) Vinyl chloride	1.936	62	51	N.D.		
5) Bromomethane	2.261	94	187	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	3.043	76	954	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.604	43	2293	0.221	ug/L	96
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.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A17.D
Acq On : 24 Nov 2024 03:59 pm
Operator : VOA130:PID
Sample : L2467934-11,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 25 08:51:50 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	5.250	43	52	N.D.		
45) Benzene	5.685	78	49	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
51) Methyl cyclohexane	0.000		0	N.D.		
52) Trichloroethene	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.845	92	1645	0.091	ug/L	99
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	0.000		0	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.633	91	606	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	12.339	146	112	N.D.		
106) 1,4-Dichlorobenzene	12.339	146	112	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

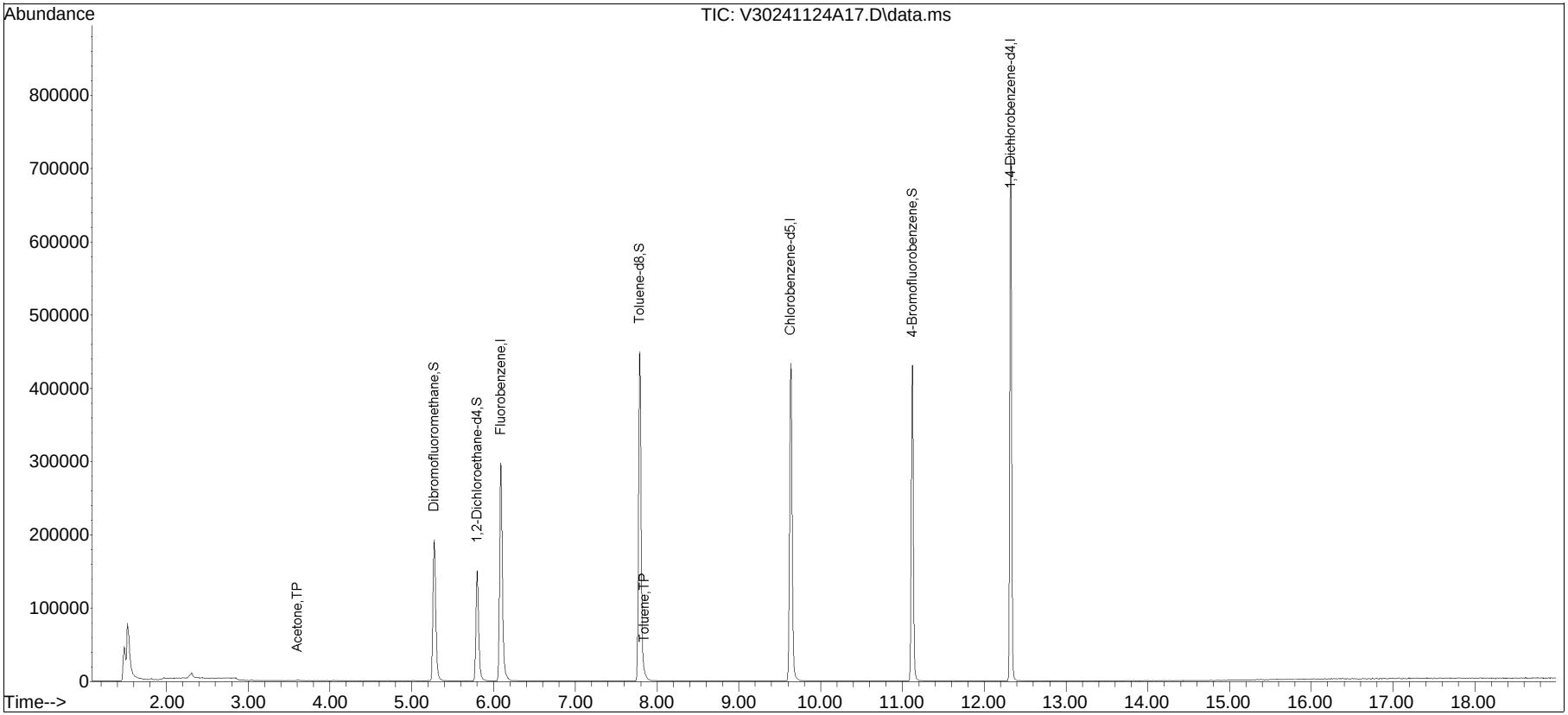
(#) = qualifier out of range (m) = manual integration (+) = signals summed

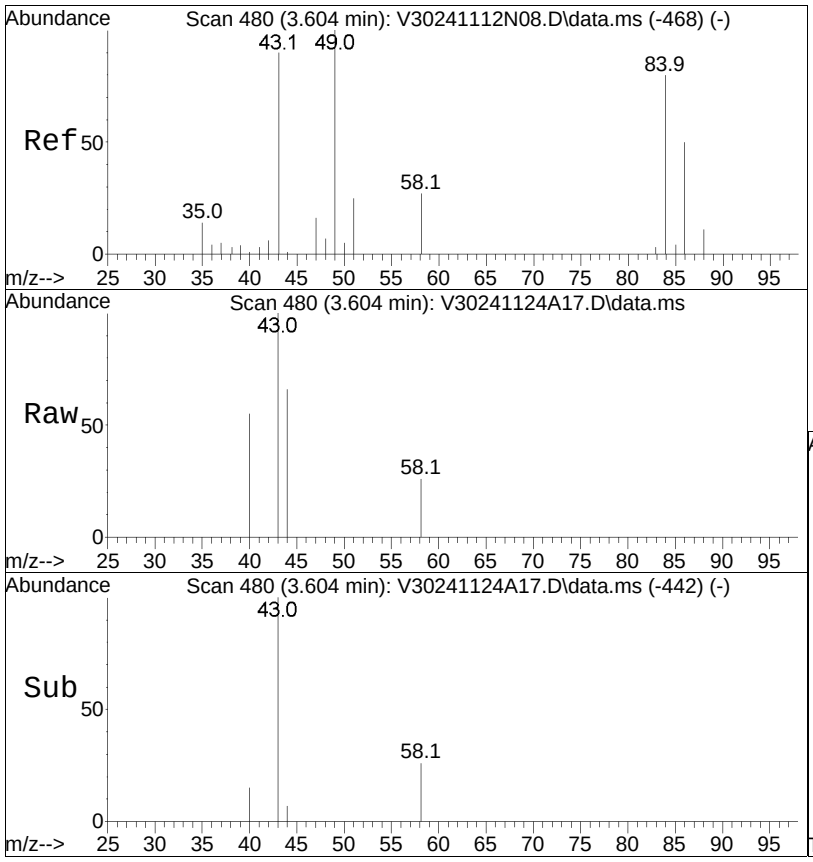
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A17.D
Acq On : 24 Nov 2024 03:59 pm
Operator : VOA130:PID
Sample : L2467934-11,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 25 08:51:50 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

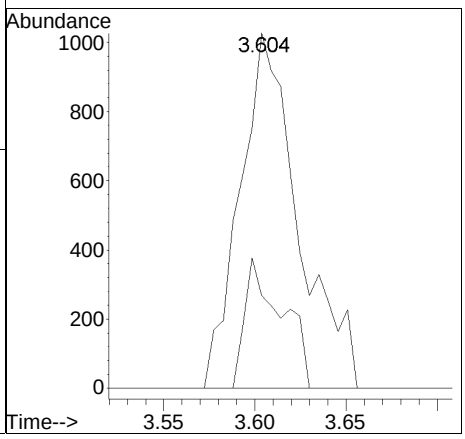


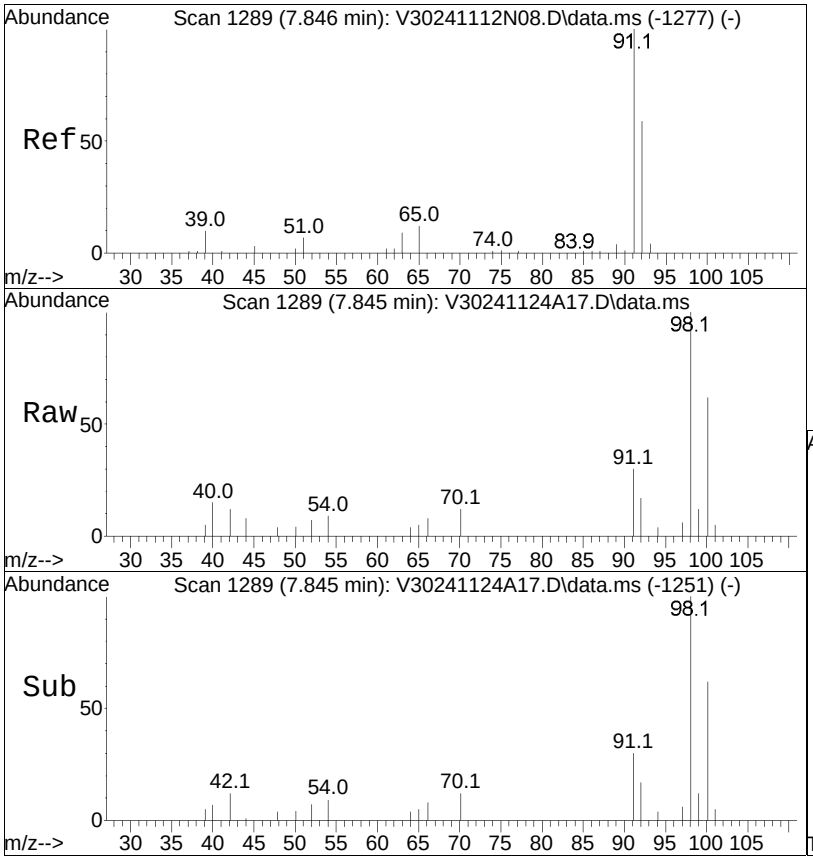


#17
Acetone
Concen: 0.22 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241124A17.D
Acq: 24 Nov 2024 03:59 pm

Tgt Ion: 43 Resp: 2293

Ion	Ratio	Lower	Upper
43	100		
58	23.3	20.1	30.1

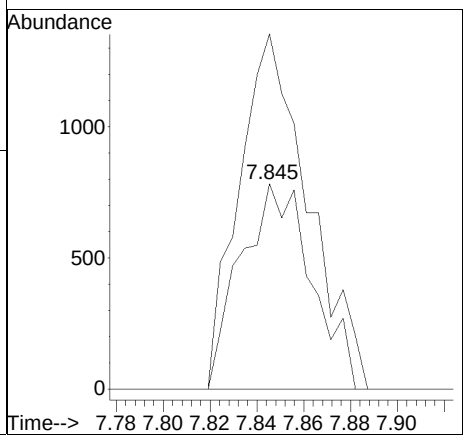




#65
Toluene
Concen: 0.09 ug/L
RT: 7.845 min Scan# 1289
Delta R.T. -0.001 min
Lab File: V30241124A17.D
Acq: 24 Nov 2024 03:59 pm

Tgt Ion: 92 Resp: 1645

Ion	Ratio	Lower	Upper
92	100		
91	169.9	137.5	206.3



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A17.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 3:59 pm	Instrument	: VOA130
Sample	: L2467934-11,31,10,10,,A	Quant Date	: 11/25/2024 7:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A18.D
Acq On : 24 Nov 2024 04:21 pm
Operator : VOA130:PID
Sample : L2467934-09,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 25 08:52:03 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	309495	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 72.73%			
63) Chlorobenzene-d5	9.633	117	288013	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 83.29%			
84) 1,4-Dichlorobenzene-d4	12.323	152	182035	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 79.76%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	137209	12.897	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 128.97%			
47) 1,2-Dichloroethane-d4	5.801	65	122821	11.529	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.29%			
64) Toluene-d8	7.788	98	362126	9.373	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.73%			
88) 4-Bromofluorobenzene	11.117	95	153220	9.746	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.868	50	133	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.256	94	162	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	3.048	76	717	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	3.740	43	54	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.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A18.D
Acq On : 24 Nov 2024 04:21 pm
Operator : VOA130:PID
Sample : L2467934-09,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 25 08:52:03 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.633	91	422		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.339	146	112		N.D.	
106) 1,4-Dichlorobenzene	12.339	146	112		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

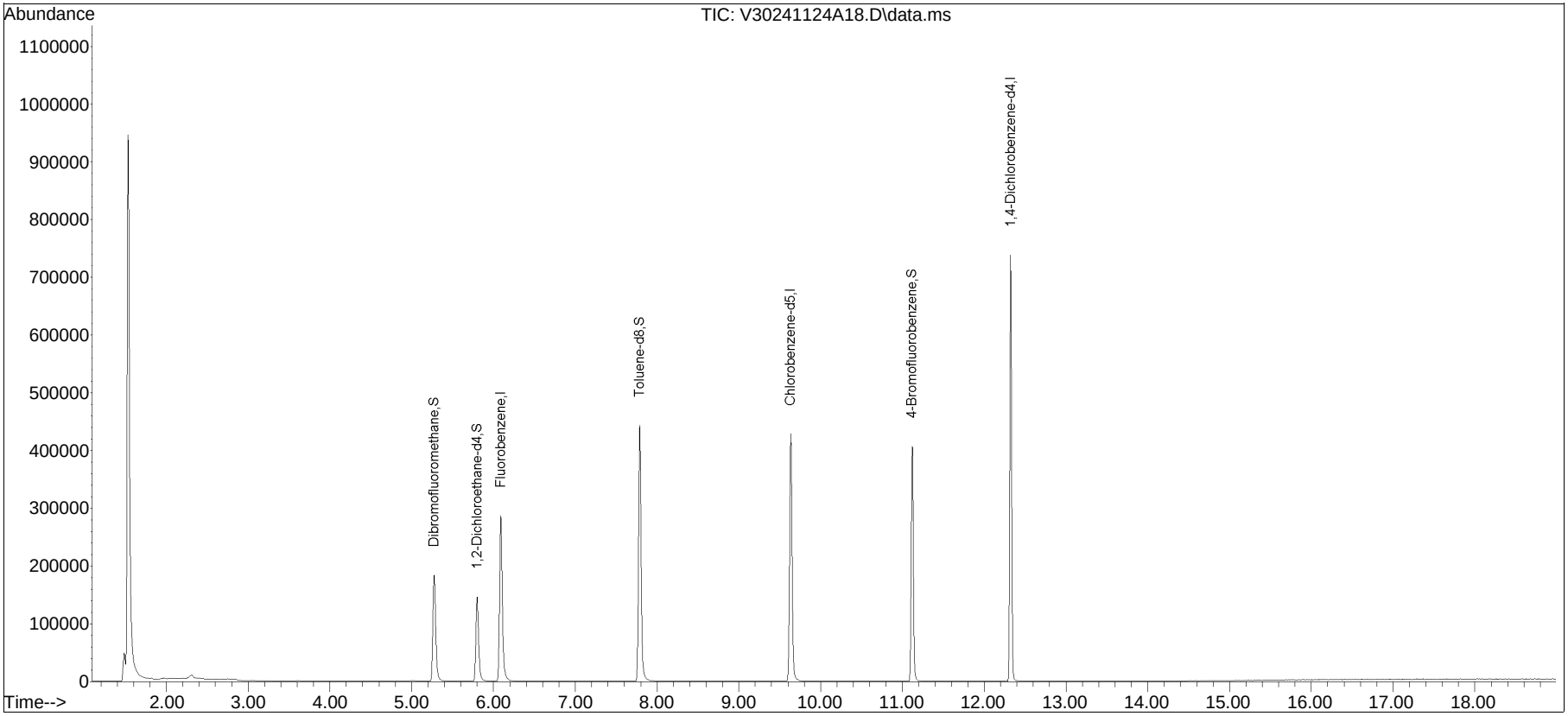
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A18.D
Acq On : 24 Nov 2024 04:21 pm
Operator : VOA130:PID
Sample : L2467934-09,31,10,10,,A
Misc : WG2001917,ICAL21702
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 25 08:52:03 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A18.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 4:21 pm	Instrument	: VOA130
Sample	: L2467934-09,31,10,10,,A	Quant Date	: 11/25/2024 7:35 am

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**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21702**
Calibration dates	**: 11/12/24 15:35 11/12/24 18:51**		

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.259	0.282	0.250	0.245	0.245	0.218	0.192	0.242	12.07
3)	TP	Chloromethane		0.356	0.354	0.307	0.283	0.282	0.258	0.223	0.295	16.58
4)	TP	Vinyl chloride	0.304	0.331	0.339	0.298	0.281	0.281	0.255	0.226	0.290	12.99
5)	TP	Bromomethane		0.187	0.185	0.160	0.148	0.154	0.140	0.125	0.157	14.46
6)	TP	Chloroethane		0.212	0.216	0.183	0.170	0.170	0.155	0.134	0.177	16.69
7)	TP	Trichlorofluor		0.360	0.375	0.337	0.328	0.326	0.290	0.255	0.324	12.55
8)	TP	Ethyl ether		0.076	0.077	0.081	0.090	0.091	0.087	0.079	0.083	7.37
10)	TP	1,1-Dichloroet		0.227	0.235	0.215	0.208	0.210	0.192	0.170	0.208	10.54
11)	TP	Carbon disulfide		0.758	0.725	0.638	0.606	0.609	0.561	0.492	0.627	14.60
12)	TP	Freon-113		0.184	0.206	0.203	0.215	0.214	0.193	0.169	0.198	8.44
13)	TP	Iodomethane		0.145	0.159	0.160	0.172	0.193	0.185	0.163	0.168	9.85
14)	TP	Acrolein		0.020	0.023	0.020	0.019	0.018	0.018	0.018	0.019	8.97
15)	TP	Methylene chlo		0.322	0.305	0.264	0.244	0.241	0.226	0.198	0.257	17.00
17)	TP	Acetone			0.059	0.042	0.038	0.035	0.034	0.033	*L	0.9986
18)	TP	trans-1,2-Dich		0.258	0.251	0.228	0.219	0.222	0.207	0.181	0.224	11.61
19)	TP	Methyl acetate			0.109	0.097	0.094	0.089	0.087	0.086	0.094	9.04
21)	TP	Methyl tert butyl ether		0.261	0.259	0.288	0.374	0.429	0.424		*Q	0.9975
22)	TP	tert-Butyl alc		0.006	0.006	0.007	0.008	0.008	0.008	0.008	0.007#	10.81
24)	TP	Diisopropyl ether		0.455	0.449	0.509	0.543	0.572	0.546	0.490	0.509	9.31
25)	TP	1,1-Dichloroet		0.544	0.551	0.484	0.453	0.451	0.417	0.357	0.465	14.76
26)	TP	Halothane		0.128	0.143	0.145	0.164	0.170	0.157	0.138	0.149	9.92
27)	TP	Acrylonitrile		0.051	0.051	0.052	0.050	0.045	0.044	0.043	0.048	8.01
28)	TP	Ethyl tert-but		0.325	0.337	0.398	0.442	0.490	0.487	0.460	0.420	16.27
29)	TP	Vinyl acetate		0.301	0.271	0.283	0.340	0.375	0.370	0.352	0.327	12.94
30)	TP	cis-1,2-Dichlo		0.293	0.295	0.258	0.247	0.249	0.234	0.204	0.254	12.62
31)	TP	2,2-Dichloropr		0.281	0.305	0.309	0.332	0.340	0.310	0.270	0.307	8.20
33)	TP	Bromochloromet		0.134	0.130	0.119	0.112	0.109	0.103	0.092	0.114	12.85
34)	TP	Cyclohexane		0.267	0.287	0.308	0.388	0.414	0.373	0.332	0.338	16.23
35)	TP	Chloroform		0.495	0.510	0.444	0.417	0.414	0.385	0.333	0.428	14.32
36)	TP	Ethyl acetate		0.118	0.100	0.100	0.112	0.117	0.115	0.115	0.111	7.13
37)	TP	Carbon tetrachloride		0.191	0.211	0.231	0.282	0.306	0.284	0.253	0.251	16.77
38)	TP	Tetrahydrofuran		0.032	0.038	0.034	0.036	0.035	0.035	0.034	0.035	5.46
39)	S	Dibromofluoromethane	0.387	0.397	0.382	0.349	0.325	0.305	0.303	0.301	0.344	11.75
40)	TP	1,1,1-Trichlor		0.253	0.285	0.303	0.341	0.353	0.324	0.285	0.306	11.55
42)	TP	2-Butanone			0.041	0.042	0.049	0.051	0.050	0.050	0.047	9.45

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21702**
Calibration dates	**: 11/12/24 15:35 11/12/24 18:51**		

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.196	0.206	0.215	0.268	0.310	0.289	0.258	0.249	17.75
45) TP	Benzene	0.652	0.738	0.760	0.733	0.769	0.832	0.789	0.695	0.746	7.44
46) TP	Tertiary-Amyl Methyl Ether		0.279	0.283	0.325	0.358	0.370	0.365	0.346	0.332	11.48
47) S	1,2-Dichloroethane-d4	0.356	0.361	0.359	0.365	0.344	0.316	0.323	0.329	0.344	5.54
48) TP	1,2-Dichloroet		0.284	0.275	0.267	0.269	0.266	0.253	0.228	0.263	6.89
51) TP	Methyl cyclohe		0.209	0.233	0.258	0.289	0.313	0.290	0.264	0.265	13.55
52) TP	Trichloroethene	0.150	0.159	0.165	0.167	0.194	0.222	0.210	0.188	0.182#	14.20
54) TP	Dibromomethane		0.134	0.129	0.121	0.119	0.117	0.113	0.105	0.120	8.07
55) TP	1,2-Dichloropr		0.163	0.175	0.175	0.204	0.233	0.223	0.199	0.196#	13.49
57) TP	2-Chloroethyl		0.061	0.067	0.084	0.093	0.088	0.087	0.083	0.080	14.67
58) TP	Bromodichlorom		0.229	0.234	0.244	0.289	0.310	0.295	0.263	0.266#	12.07
61) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	13.19
62) TP	cis-1,3-Dichloropropene		0.210	0.229	0.237	0.285	0.330	0.322	0.294	0.273#	17.32
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.328	1.333	1.321	1.371	1.368	1.350	1.348	1.312	1.341	1.61
65) TP	Toluene		0.576	0.619	0.626	0.635	0.664	0.621	0.536	0.611	6.87
66) TP	4-Methyl-2-pen			0.030	0.044	0.050	0.050	0.049	0.046	0.045	17.68
67) TP	Tetrachloroethene		0.197	0.210	0.221	0.235	0.249	0.233	0.206	0.222	8.37
69) TP	trans-1,3-Dichloropropene		0.188	0.207	0.253	0.301	0.350	0.349		*Q	0.9983
71) TP	Ethyl methacry		0.155	0.161	0.183	0.200	0.200	0.193	0.178	0.181	9.93
72) TP	1,1,2-Trichlor		0.096	0.111	0.128	0.144	0.160	0.160	0.153	0.136#	18.37
73) TP	Chlorodibromom		0.131	0.140	0.164	0.200	0.236	0.239		*Q	0.9984
74) TP	1,3-Dichloropr		0.234	0.248	0.282	0.314	0.347	0.344	0.327	0.299	15.23
75) TP	1,2-Dibromoethane		0.113	0.120	0.138	0.151	0.164	0.165	0.160	0.144#	14.74
77) TP	2-Hexanone		0.085	0.077	0.081	0.086	0.085	0.082	0.079	0.082	4.07
78) T	Chlorobenzene		0.643	0.672	0.661	0.663	0.691	0.657	0.573	0.651	5.75
79) TP	Ethylbenzene		1.168	1.244	1.251	1.245	1.285	1.193	1.028	1.202	7.16
80) T	1,1,1,2-Tetrac		0.127	0.136	0.163	0.188	0.212	0.208	0.193	0.175	19.41
81) TP	p/m Xylene		0.470	0.496	0.505	0.500	0.517	0.480	0.415	0.484	7.00
82) TP	o Xylene		0.449	0.477	0.491	0.480	0.497	0.465	0.398	0.465	7.27
83) TP	Styrene		0.725	0.773	0.817	0.806	0.821	0.765	0.644	0.765	8.24
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.104	0.124	0.152	0.178	0.189	0.191	0.191	*Q	0.9992
87) TP	Isopropylbenzene		1.706	1.890	1.929	1.981	2.031	1.873	1.644	1.865	7.57
88) S	4-Bromofluorobenzene	0.898	0.892	0.890	0.875	0.867	0.826	0.826	0.834	0.864	3.56
89) TP	Bromobenzene		0.427	0.471	0.459	0.463	0.475	0.453	0.409	0.451	5.39

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21702**
Calibration dates	**: 11/12/24 15:35 11/12/24 18:51**		

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		2.198	2.412	2.461	2.504	2.530	2.321	1.997	2.346	8.17
91) TP	1,4-Dichlorobu		0.408	0.394	0.414	0.437	0.421	0.408	0.386	0.410	4.14
92) TP	1,1,2,2-Tetrac		0.267	0.278	0.285	0.308	0.308	0.303	0.296	0.292	5.42
93) TP	4-Ethyltoluene		1.784	1.960	2.013	2.060	2.122	1.965	1.712	1.945	7.57
94) TP	2-Chlorotoluene		1.489	1.519	1.481	1.470	1.496	1.402	1.220	1.439	7.19
95) TP	1,3,5-Trimethy		1.507	1.651	1.747	1.821	1.908	1.760	1.528	1.703	8.74
96) TP	1,2,3-Trichlor		0.228	0.228	0.237	0.254	0.247	0.241	0.234	0.238	4.05
97) TP	trans-1,4-Dich		0.055	0.064	0.070	0.077	0.077	0.076	0.077	0.071	12.26
98) TP	4-Chlorotoluene		1.447	1.563	1.546	1.550	1.605	1.497	1.304	1.502	6.70
99) TP	tert-Butylbenzene		1.279	1.398	1.409	1.451	1.504	1.398	1.233	1.382	6.86
102) TP	1,2,4-Trimethy		1.356	1.528	1.690	1.799	1.901	1.771	1.521	1.652	11.58
103) TP	sec-Butylbenzene		1.792	2.033	2.098	2.151	2.201	2.021	1.766	2.009	8.42
104) TP	p-Isopropyltol		1.440	1.674	1.794	1.873	1.972	1.815	1.574	1.735	10.57
105) TP	1,3-Dichlorobe		0.921	0.958	0.964	0.973	1.016	0.960	0.846	0.948	5.62
106) TP	1,4-Dichlorobe		0.971	0.992	0.978	0.982	1.029	0.972	0.859	0.969	5.40
107) TP	p-Diethylbenzene		0.813	0.912	1.020	1.097	1.199	1.120	0.983	1.021	12.88
108) TP	n-Butylbenzene		1.179	1.420	1.561	1.654	1.746	1.605	1.391	1.508	12.70
109) TP	1,2-Dichlorobe		0.889	0.909	0.909	0.926	0.952	0.902	0.804	0.899	5.15
110) TP	1,2,4,5-Tetram		1.128	1.192	1.274	1.527	1.774	1.690	1.481	1.438	17.26
111) TP	1,2-Dibromo-3-		0.040	0.051	0.050	0.052	0.050	0.049	0.049	0.049	8.45
112) TP	1,3,5-Trichlor		0.571	0.601	0.622	0.697	0.770	0.733	0.650	0.663	10.99
113) TP	Hexachlorobuta		0.205	0.225	0.224	0.233	0.250	0.235	0.213	0.227	6.53
114) TP	1,2,4-Trichlor		0.519	0.538	0.566	0.617	0.662	0.637	0.578	0.588	8.94
115) TP	Naphthalene		1.124	1.084	1.210	1.300	1.293	1.240	1.162	1.202	6.88
116) TP	1,2,3-Trichlor		0.524	0.527	0.540	0.573	0.586	0.563	0.520	0.548	4.80

Response Factor Report VOA130

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.259	0.282	0.250	0.245	0.245	0.218	0.192	0.242	12.07
3)	TP	Chloromethane		0.356	0.354	0.307	0.283	0.282	0.258	0.223	0.295	16.58
4)	TP	Vinyl chloride	0.304	0.331	0.339	0.298	0.281	0.281	0.255	0.226	0.290	12.99
5)	TP	Bromomethane		0.187	0.185	0.160	0.148	0.154	0.140	0.125	0.157	14.46
6)	TP	Chloroethane		0.212	0.216	0.183	0.170	0.170	0.155	0.134	0.177	16.69
7)	TP	Trichlorofluor...		0.360	0.375	0.337	0.328	0.326	0.290	0.255	0.324	12.55
8)	TP	Ethyl ether		0.076	0.077	0.081	0.090	0.091	0.087	0.079	0.083	7.37
10)	TP	1,1-Dichloroet...		0.227	0.235	0.215	0.208	0.210	0.192	0.170	0.208	10.54
11)	TP	Carbon disulfide		0.758	0.725	0.638	0.606	0.609	0.561	0.492	0.627	14.60
12)	TP	Freon-113		0.184	0.206	0.203	0.215	0.214	0.193	0.169	0.198	8.44
13)	TP	Iodomethane		0.145	0.159	0.160	0.172	0.193	0.185	0.163	0.168	9.85
14)	TP	Acrolein		0.020	0.023	0.020	0.019	0.018	0.018	0.018	0.019	8.97
15)	TP	Methylene chlo...		0.322	0.305	0.264	0.244	0.241	0.226	0.198	0.257	17.00
17)	TP	Acetone			0.059	0.042	0.038	0.035	0.034	0.033	*L	0.9986
18)	TP	trans-1,2-Dich...		0.258	0.251	0.228	0.219	0.222	0.207	0.181	0.224	11.61
19)	TP	Methyl acetate			0.109	0.097	0.094	0.089	0.087	0.086	0.094	9.04
21)	TP	Methyl tert-bu...		0.261	0.259	0.288	0.374	0.429	0.424		*Q	0.9975
22)	TP	tert-Butyl alc...		0.006	0.006	0.007	0.008	0.008	0.008	0.008	0.007#	10.81
24)	TP	Diisopropyl ether		0.455	0.449	0.509	0.543	0.572	0.546	0.490	0.509	9.31
25)	TP	1,1-Dichloroet...		0.544	0.551	0.484	0.453	0.451	0.417	0.357	0.465	14.76
26)	TP	Halothane		0.128	0.143	0.145	0.164	0.170	0.157	0.138	0.149	9.92
27)	TP	Acrylonitrile		0.051	0.051	0.052	0.050	0.045	0.044	0.043	0.048	8.01
28)	TP	Ethyl tert-but...		0.325	0.337	0.398	0.442	0.490	0.487	0.460	0.420	16.27
29)	TP	Vinyl acetate		0.301	0.271	0.283	0.340	0.375	0.370	0.352	0.327	12.94
30)	TP	cis-1,2-Dichlo...		0.293	0.295	0.258	0.247	0.249	0.234	0.204	0.254	12.62
31)	TP	2,2-Dichloropr...		0.281	0.305	0.309	0.332	0.340	0.310	0.270	0.307	8.20
33)	TP	Bromochloromet...		0.134	0.130	0.119	0.112	0.109	0.103	0.092	0.114	12.85
34)	TP	Cyclohexane		0.267	0.287	0.308	0.388	0.414	0.373	0.332	0.338	16.23
35)	TP	Chloroform		0.495	0.510	0.444	0.417	0.414	0.385	0.333	0.428	14.32
36)	TP	Ethyl acetate		0.118	0.100	0.100	0.112	0.117	0.115	0.115	0.111	7.13

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...		0.191	0.211	0.231	0.282	0.306	0.284	0.253	0.251	16.77
38)	TP	Tetrahydrofuran		0.032	0.038	0.034	0.036	0.035	0.035	0.034	0.035	5.46
39)	S	Dibromofluorom...	0.387	0.397	0.382	0.349	0.325	0.305	0.303	0.301	0.344	11.75
40)	TP	1,1,1-Trichlor...		0.253	0.285	0.303	0.341	0.353	0.324	0.285	0.306	11.55
42)	TP	2-Butanone			0.041	0.042	0.049	0.051	0.050	0.050	0.047	9.45
43)	TP	1,1-Dichloropr...		0.196	0.206	0.215	0.268	0.310	0.289	0.258	0.249	17.75
45)	TP	Benzene	0.652	0.738	0.760	0.733	0.769	0.832	0.789	0.695	0.746	7.44
46)	TP	tert-Amyl meth...		0.279	0.283	0.325	0.358	0.370	0.365	0.346	0.332	11.48
47)	S	1,2-Dichloroet...	0.356	0.361	0.359	0.365	0.344	0.316	0.323	0.329	0.344	5.54
48)	TP	1,2-Dichloroet...		0.284	0.275	0.267	0.269	0.266	0.253	0.228	0.263	6.89
51)	TP	Methyl cyclohe...		0.209	0.233	0.258	0.289	0.313	0.290	0.264	0.265	13.55
52)	TP	Trichloroethene	0.150	0.159	0.165	0.167	0.194	0.222	0.210	0.188	0.182#	14.20
54)	TP	Dibromomethane		0.134	0.129	0.121	0.119	0.117	0.113	0.105	0.120	8.07
55)	TP	1,2-Dichloropr...		0.163	0.175	0.175	0.204	0.233	0.223	0.199	0.196#	13.49
57)	TP	2-Chloroethyl ...		0.061	0.067	0.084	0.093	0.088	0.087	0.083	0.080	14.67
58)	TP	Bromodichlorom...		0.229	0.234	0.244	0.289	0.310	0.295	0.263	0.266#	12.07
61)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	13.19
62)	TP	cis-1,3-Dichlo...		0.210	0.229	0.237	0.285	0.330	0.322	0.294	0.273#	17.32
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.328	1.333	1.321	1.371	1.368	1.350	1.348	1.312	1.341	1.61
65)	TP	Toluene		0.576	0.619	0.626	0.635	0.664	0.621	0.536	0.611	6.87
66)	TP	4-Methyl-2-pen...			0.030	0.044	0.050	0.050	0.049	0.046	0.045	17.68
67)	TP	Tetrachloroethene		0.197	0.210	0.221	0.235	0.249	0.233	0.206	0.222	8.37
69)	TP	trans-1,3-Dich...		0.188	0.207	0.253	0.301	0.350	0.349		*Q	0.9983
71)	TP	Ethyl methacry...		0.155	0.161	0.183	0.200	0.200	0.193	0.178	0.181	9.93
72)	TP	1,1,2-Trichlor...		0.096	0.111	0.128	0.144	0.160	0.160	0.153	0.136#	18.37
73)	TP	Chlorodibromom...		0.131	0.140	0.164	0.200	0.236	0.239		*Q	0.9984
74)	TP	1,3-Dichloropr...		0.234	0.248	0.282	0.314	0.347	0.344	0.327	0.299	15.23
75)	TP	1,2-Dibromoethane		0.113	0.120	0.138	0.151	0.164	0.165	0.160	0.144#	14.74
77)	TP	2-Hexanone		0.085	0.077	0.081	0.086	0.085	0.082	0.079	0.082	4.07
78)	T	Chlorobenzene		0.643	0.672	0.661	0.663	0.691	0.657	0.573	0.651	5.75

Response Factor Report VOA130

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	Ethylbenzene		1.168	1.244	1.251	1.245	1.285	1.193	1.028	1.202	7.16
80)	T	1,1,1,2-Tetrac...		0.127	0.136	0.163	0.188	0.212	0.208	0.193	0.175	19.41
81)	TP	p/m Xylene		0.470	0.496	0.505	0.500	0.517	0.480	0.415	0.484	7.00
82)	TP	o Xylene		0.449	0.477	0.491	0.480	0.497	0.465	0.398	0.465	7.27
83)	TP	Styrene		0.725	0.773	0.817	0.806	0.821	0.765	0.644	0.765	8.24
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85)	TP	Bromoform		0.104	0.124	0.152	0.178	0.189	0.191	0.191	*Q	0.9992
87)	TP	Isopropylbenzene		1.706	1.890	1.929	1.981	2.031	1.873	1.644	1.865	7.57
88)	S	4-Bromofluorob...	0.898	0.892	0.890	0.875	0.867	0.826	0.826	0.834	0.864	3.56
89)	TP	Bromobenzene		0.427	0.471	0.459	0.463	0.475	0.453	0.409	0.451	5.39
90)	TP	n-Propylbenzene		2.198	2.412	2.461	2.504	2.530	2.321	1.997	2.346	8.17
91)	TP	1,4-Dichlorobu...		0.408	0.394	0.414	0.437	0.421	0.408	0.386	0.410	4.14
92)	TP	1,1,2,2-Tetrac...		0.267	0.278	0.285	0.308	0.308	0.303	0.296	0.292	5.42
93)	TP	4-Ethyltoluene		1.784	1.960	2.013	2.060	2.122	1.965	1.712	1.945	7.57
94)	TP	2-Chlorotoluene		1.489	1.519	1.481	1.470	1.496	1.402	1.220	1.439	7.19
95)	TP	1,3,5-Trimethy...		1.507	1.651	1.747	1.821	1.908	1.760	1.528	1.703	8.74
96)	TP	1,2,3-Trichlor...		0.228	0.228	0.237	0.254	0.247	0.241	0.234	0.238	4.05
97)	TP	trans-1,4-Dich...		0.055	0.064	0.070	0.077	0.077	0.076	0.077	0.071	12.26
98)	TP	4-Chlorotoluene		1.447	1.563	1.546	1.550	1.605	1.497	1.304	1.502	6.70
99)	TP	tert-Butylbenzene		1.279	1.398	1.409	1.451	1.504	1.398	1.233	1.382	6.86
102)	TP	1,2,4-Trimethy...		1.356	1.528	1.690	1.799	1.901	1.771	1.521	1.652	11.58
103)	TP	sec-Butylbenzene		1.792	2.033	2.098	2.151	2.201	2.021	1.766	2.009	8.42
104)	TP	p-Isopropyltol...		1.440	1.674	1.794	1.873	1.972	1.815	1.574	1.735	10.57
105)	TP	1,3-Dichlorobe...		0.921	0.958	0.964	0.973	1.016	0.960	0.846	0.948	5.62
106)	TP	1,4-Dichlorobe...		0.971	0.992	0.978	0.982	1.029	0.972	0.859	0.969	5.40
107)	TP	p-Diethylbenzene		0.813	0.912	1.020	1.097	1.199	1.120	0.983	1.021	12.88
108)	TP	n-Butylbenzene		1.179	1.420	1.561	1.654	1.746	1.605	1.391	1.508	12.70
109)	TP	1,2-Dichlorobe...		0.889	0.909	0.909	0.926	0.952	0.902	0.804	0.899	5.15
110)	TP	1,2,4,5-Tetram...		1.128	1.192	1.274	1.527	1.774	1.690	1.481	1.438	17.26
111)	TP	1,2-Dibromo-3-...		0.040	0.051	0.050	0.052	0.050	0.049	0.049	0.049	8.45
112)	TP	1,3,5-Trichlor...		0.571	0.601	0.622	0.697	0.770	0.733	0.650	0.663	10.99

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30241112N03.D L1 =V30241112N05.D L2 =V30241112N06.D L3 =V30241112N08.D L4 =V30241112N09.D
L6 =V30241112N10.D L8 =V30241112N11.D L10 =V30241112N12.D

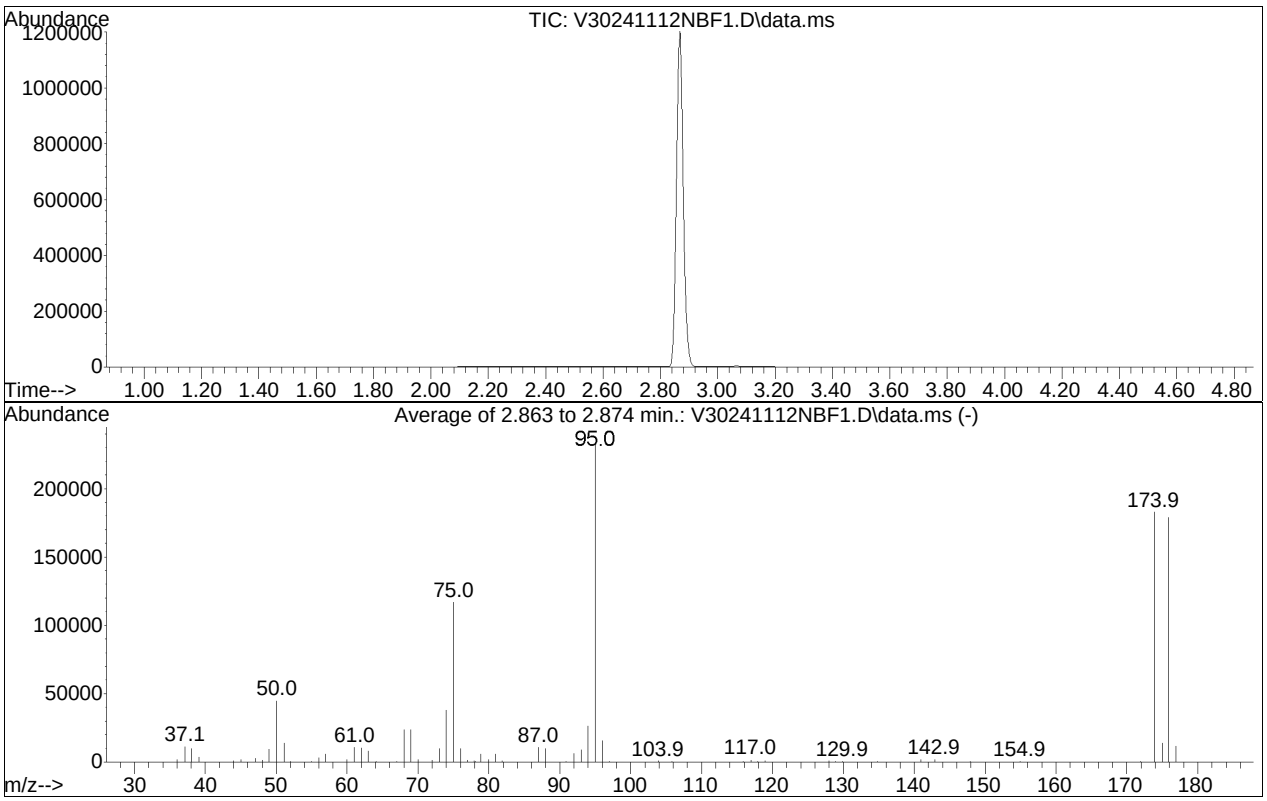
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113)	TP Hexachlorobuta...	0.205	0.225	0.224	0.233	0.250	0.235	0.213	0.227		6.53
114)	TP 1,2,4-Trichlor...	0.519	0.538	0.566	0.617	0.662	0.637	0.578	0.588		8.94
115)	TP Naphthalene	1.124	1.084	1.210	1.300	1.293	1.240	1.162	1.202		6.88
116)	TP 1,2,3-Trichlor...	0.524	0.527	0.540	0.573	0.586	0.563	0.520	0.548		4.80

(#) = Out of Range

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112NBF1.D
Acq On : 12 Nov 2024 02:39 pm
Operator : VOA130:PID
Sample : WG1996978-1
Misc : WG1996978
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 12:42:51 2024



AutoFind: Scans 148, 149, 150; Background Corrected with Scan 139

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	45027	PASS
75	95	30	60	50.0	116885	PASS
95	95	100	100	100.0	233621	PASS
96	95	5	9	6.8	15849	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	78.3	182912	PASS
175	174	5	9	7.6	13924	PASS
176	174	95	101	97.9	179051	PASS
177	176	5	9	6.6	11760	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N03.D
Acq On : 12 Nov 2024 03:35 pm
Operator : VOA130:PID
Sample : I8260STD0.19PPB
Misc : WG1996978,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 12:29:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-L11_MCP - L11 MCP

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	403362	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery =	89.11%		
63) Chlorobenzene-d5	9.633	117	355797	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery =	99.29%		
84) 1,4-Dichlorobenzene-d4	12.323	152	215025	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery =	96.85%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	156011	11.273	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	112.73%		
47) 1,2-Dichloroethane-d4	5.801	65	143480	10.243	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.43%		
64) Toluene-d8	7.788	98	472598	9.917	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.17%		
88) 4-Bromofluorobenzene	11.117	95	193187	10.389	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.89%		
Target Compounds						Qvalue
4) Vinyl chloride	1.942	62	2331	0.206	ug/L	100
37) Carbon tetrachloride	5.229	117	1017	0.107	ug/L #	18
45) Benzene	5.675	78	4997M6	0.170	ug/L	
52) Trichloroethene	6.278	95	1147M6	0.159	ug/L	
62) cis-1,3-Dichloropropene	7.583	75	1440	0.138	ug/L	93
69) trans-1,3-Dichloropropene	8.338	75	1163	0.123	ug/L	89

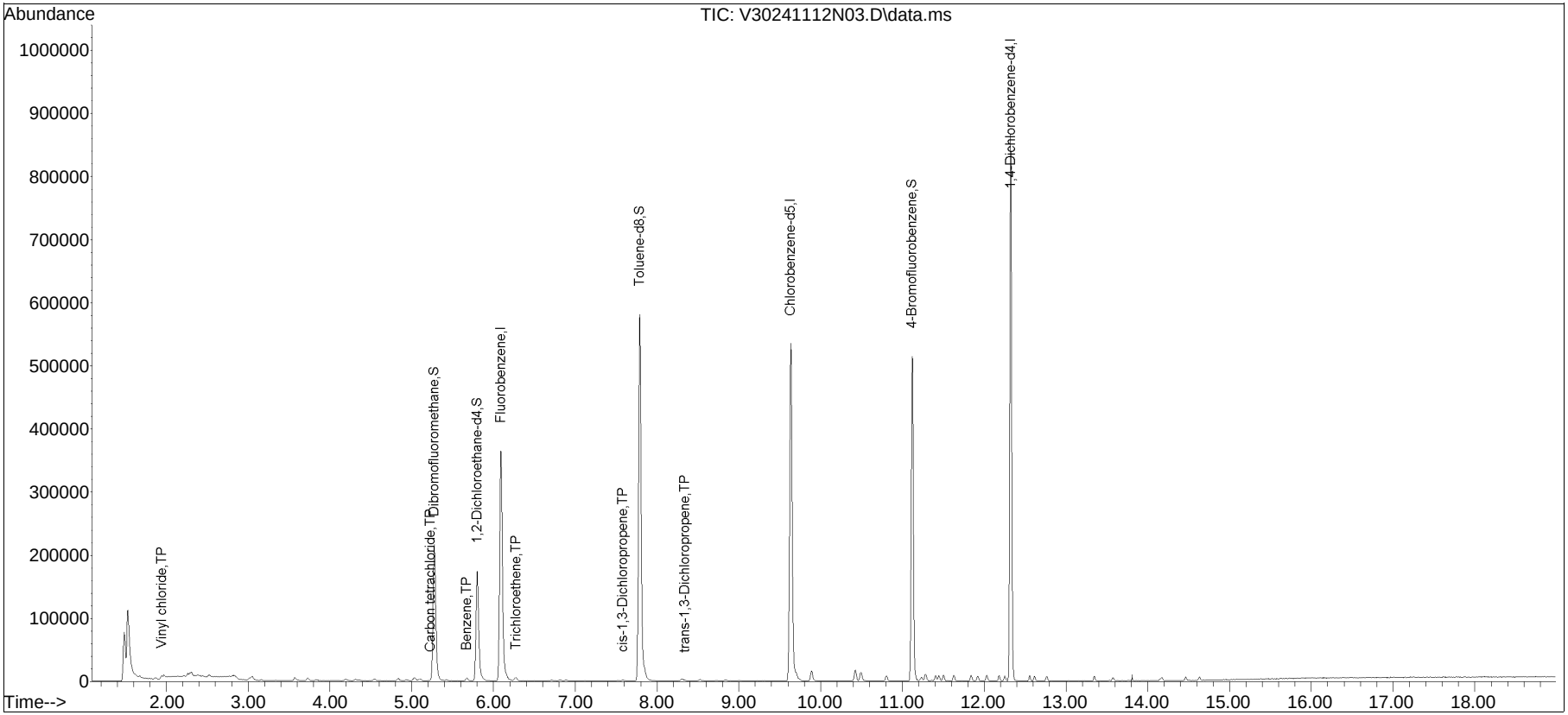
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N03.D
Acq On : 12 Nov 2024 03:35 pm
Operator : VOA130:PID
Sample : I8260STD0.19PPB
Misc : WG1996978,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 12:29:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

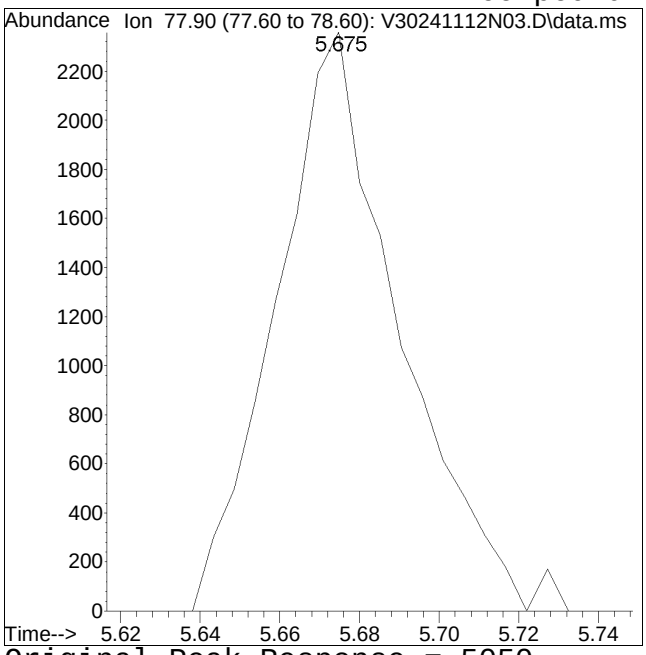
Sub List : 8260-L11_MCP - L11 MCP112NICAL\V30241112N08.D•



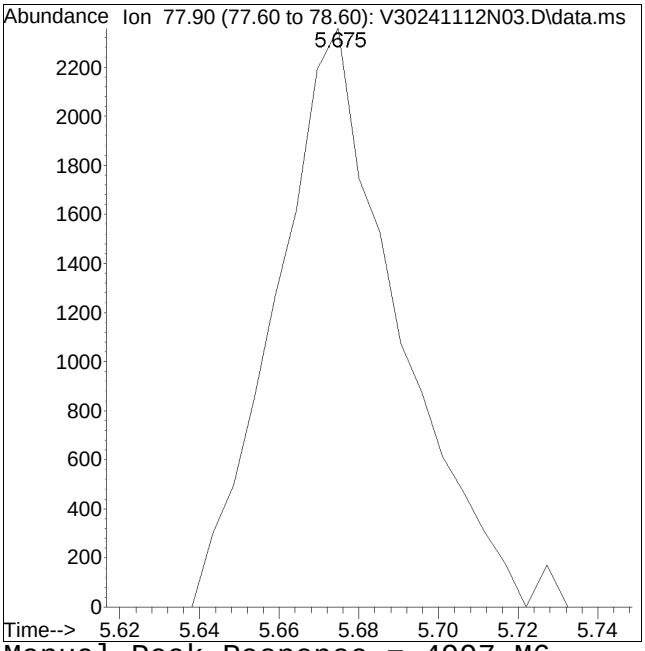
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N03.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 3:35 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 11/13/2024 12:29 pm

Compound #45: Benzene



Original Peak Response = 5050



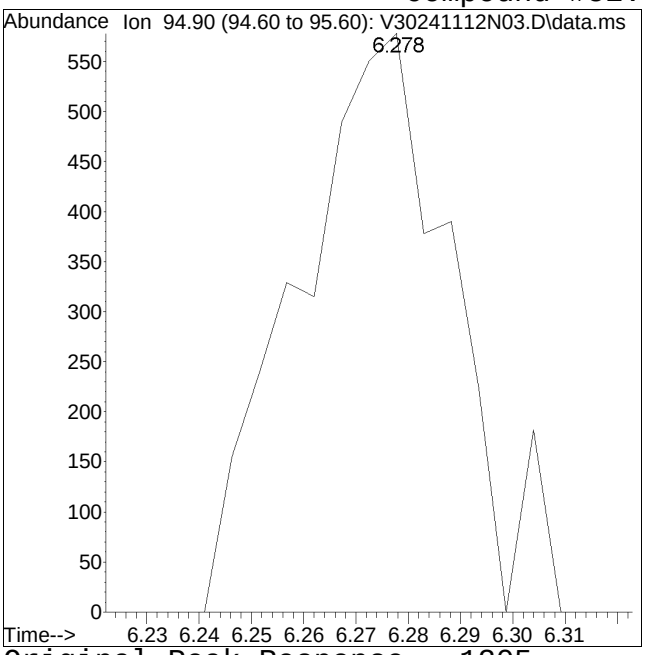
Manual Peak Response = 4997 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

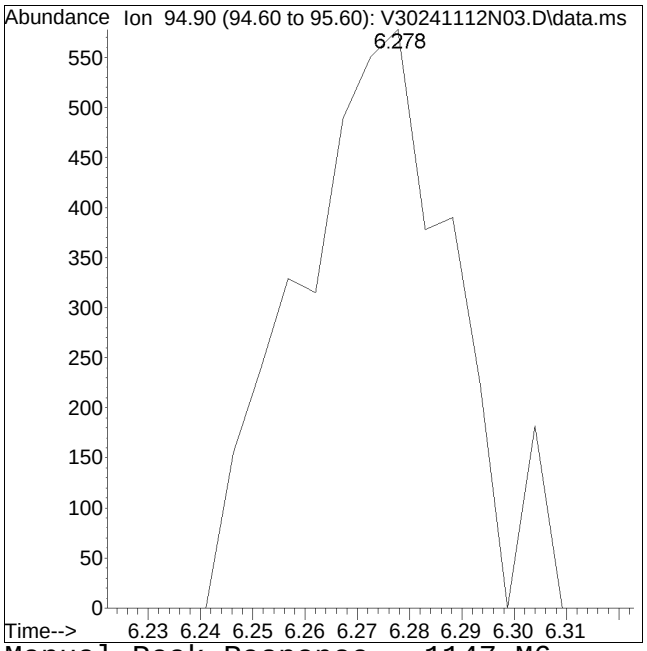
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N03.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 3:35 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 11/13/2024 12:29 pm

Compound #52: Trichloroethene



Original Peak Response = 1205



Manual Peak Response = 1147 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N05.D
Acq On : 12 Nov 2024 04:19 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1996978,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 12:34:11 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:32:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	384585	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery =	84.96%		
63) Chlorobenzene-d5	9.639	117	341144	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery =	95.20%		
84) 1,4-Dichlorobenzene-d4	12.323	152	212160	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery =	95.56%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	152657	11.569	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	115.69%		
47) 1,2-Dichloroethane-d4	5.801	65	138872	10.399	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.99%		
64) Toluene-d8	7.788	98	454747	9.952	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.52%		
88) 4-Bromofluorobenzene	11.117	95	189347	10.320	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.20%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	4978	0.550	ug/L	95
3) Chloromethane	1.863	50	6845	0.629	ug/L #	95
4) Vinyl chloride	1.942	62	6368	0.590	ug/L	98
5) Bromomethane	2.261	94	3597M6	0.612	ug/L	
6) Chloroethane	2.382	64	4080	0.618	ug/L	97
7) Trichlorofluoromethane	2.524	101	6924	0.575	ug/L	99
8) Ethyl ether	2.828	74	1466	0.469	ug/L	94
10) 1,1-Dichloroethene	3.017	96	4373	0.565	ug/L	83
11) Carbon disulfide	3.048	76	14567	0.626	ug/L	99
12) Freon-113	3.053	101	3540	0.484	ug/L	91
13) Iodomethane	3.153	142	2783	0.439	ug/L #	96
14) Acrolein	3.331	56	392	0.531	ug/L #	62
15) Methylene chloride	3.572	84	6190	0.649	ug/L	83
17) Acetone	3.609	43	2184	1.167	ug/L #	68
18) trans-1,2-Dichloroethene	3.724	96	4957	0.597	ug/L	81
19) Methyl acetate	3.730	43	3202	0.812	ug/L #	81
21) Methyl tert-butyl ether	3.829	73	5022	0.377	ug/L #	87
22) tert-Butyl alcohol	3.903	59	608	2.196	ug/L #	4
24) Diisopropyl ether	4.191	45	8758	0.459	ug/L	95
25) 1,1-Dichloroethane	4.312	63	10464	0.608	ug/L	99
26) Halothane	4.359	117	2462	0.440	ug/L	94

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N05.D
Acq On : 12 Nov 2024 04:19 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1996978,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 12:34:11 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:32:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	982	0.527	ug/L		96
28) Ethyl tert-butyl ether	4.537	59	6249	0.393	ug/L		93
29) Vinyl acetate	4.542	43	5789	0.466	ug/L	#	93
30) cis-1,2-Dichloroethene	4.831	96	5639	0.596	ug/L		86
31) 2,2-Dichloropropane	4.930	77	5396	0.472	ug/L		95
33) Bromochloromethane	5.030	128	2571	0.600	ug/L	#	74
34) Cyclohexane	5.040	56	5132	0.405	ug/L		91
35) Chloroform	5.103	83	9511	0.596	ug/L		93
36) Ethyl acetate	5.208	43	2275	0.539	ug/L	#	75
37) Carbon tetrachloride	5.245	117	3667	0.405	ug/L	#	85
38) Tetrahydrofuran	0.000		0	N.D.	d		
40) 1,1,1-Trichloroethane	5.297	97	4862	0.425	ug/L		93
42) 2-Butanone	0.000		0	N.D.	d		
43) 1,1-Dichloropropene	5.428	75	3766	0.402	ug/L		99
45) Benzene	5.670	78	14200	0.508	ug/L		95
46) tert-Amyl methyl ether	5.790	73	5358	0.426	ug/L		91
48) 1,2-Dichloroethane	5.869	62	5469	0.550	ug/L		97
51) Methyl cyclohexane	6.272	83	4018	0.402	ug/L		93
52) Trichloroethene	6.272	95	3063	0.447	ug/L		94
54) Dibromomethane	6.708	93	2571	0.573	ug/L		93
55) 1,2-Dichloropropane	6.818	63	3128	0.427	ug/L		98
57) 2-Chloroethyl vinyl ether	7.510	63	1170	0.385	ug/L	#	74
58) Bromodichloromethane	6.881	83	4405	0.440	ug/L	#	98
61) 1,4-Dioxane	7.096	88	4591	128.381	ug/L		97
62) cis-1,3-Dichloropropene	7.578	75	4046	0.407	ug/L		90
65) Toluene	7.845	92	9820	0.484	ug/L		94
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
67) Tetrachloroethene	8.307	166	3355	0.455	ug/L		92
69) trans-1,3-Dichloropropene	8.333	75	3206	0.354	ug/L		89
71) Ethyl methacrylate	8.527	69	2642	0.429	ug/L	#	84
72) 1,1,2-Trichloroethane	8.511	83	1636	0.353	ug/L		87
73) Chlorodibromomethane	8.726	129	2240	0.348	ug/L	#	96
74) 1,3-Dichloropropane	8.836	76	3984	0.395	ug/L		95
75) 1,2-Dibromoethane	9.004	107	1933	0.400	ug/L		97
77) 2-Hexanone	9.298	43	1456	0.521	ug/L	#	55
78) Chlorobenzene	9.660	112	10973	0.506	ug/L	#	65
79) Ethylbenzene	9.701	91	19923	0.498	ug/L		100
80) 1,1,1,2-Tetrachloroethane	9.743	131	2166	0.369	ug/L	#	64
81) p/m Xylene	9.885	106	16050	1.003	ug/L		94
82) o Xylene	10.420	106	15321	0.992	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N05.D
Acq On : 12 Nov 2024 04:19 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1996978,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 12:34:11 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:32:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.488	104	24733	0.977	ug/L		95
85) Bromoform	10.514	173	1108	0.324	ug/L		99
87) Isopropylbenzene	10.803	105	18101	0.468	ug/L		97
89) Bromobenzene	11.232	156	4528	0.481	ug/L		100
90) n-Propylbenzene	11.280	91	23317	0.480	ug/L		98
91) 1,4-Dichlorobutane	11.295	55	4327	0.501	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.358	83	2834	0.461	ug/L	#	91
93) 4-Ethyltoluene	11.405	105	18926	0.470	ug/L		100
94) 2-Chlorotoluene	11.447	91	15793M6	0.536	ug/L		
95) 1,3,5-Trimethylbenzene	11.500	105	15989	0.455	ug/L		100
96) 1,2,3-Trichloropropane	11.495	75	2416	0.478	ug/L		96
97) trans-1,4-Dichloro-2-b...	11.547	53	582	0.380	ug/L	#	75
98) 4-Chlorotoluene	11.626	91	15353	0.493	ug/L		94
99) tert-Butylbenzene	11.841	119	13564	0.475	ug/L		98
102) 1,2,4-Trimethylbenzene	11.919	105	14381	0.421	ug/L		99
103) sec-Butylbenzene	12.035	105	19011	0.456	ug/L		94
104) p-Isopropyltoluene	12.187	119	15279	0.425	ug/L		95
105) 1,3-Dichlorobenzene	12.250	146	9765	0.496	ug/L		99
106) 1,4-Dichlorobenzene	12.339	146	10301M3	0.513	ug/L		
107) p-Diethylbenzene	12.554	119	8623	0.408	ug/L		94
108) n-Butylbenzene	12.611	91	12504	0.399	ug/L		99
109) 1,2-Dichlorobenzene	12.769	146	9434	0.508	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.345	119	11962	0.401	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.529	155	421	0.408	ug/L	#	77
112) 1,3,5-Trichlorobenzene	13.576	180	6055	0.443	ug/L		96
113) Hexachlorobutadiene	14.148	225	2175	0.467	ug/L		100
114) 1,2,4-Trichlorobenzene	14.169	180	5504	0.454	ug/L		98
115) Naphthalene	14.462	128	11922	0.474	ug/L		100
116) 1,2,3-Trichlorobenzene	14.630	180	5560	0.488	ug/L		97

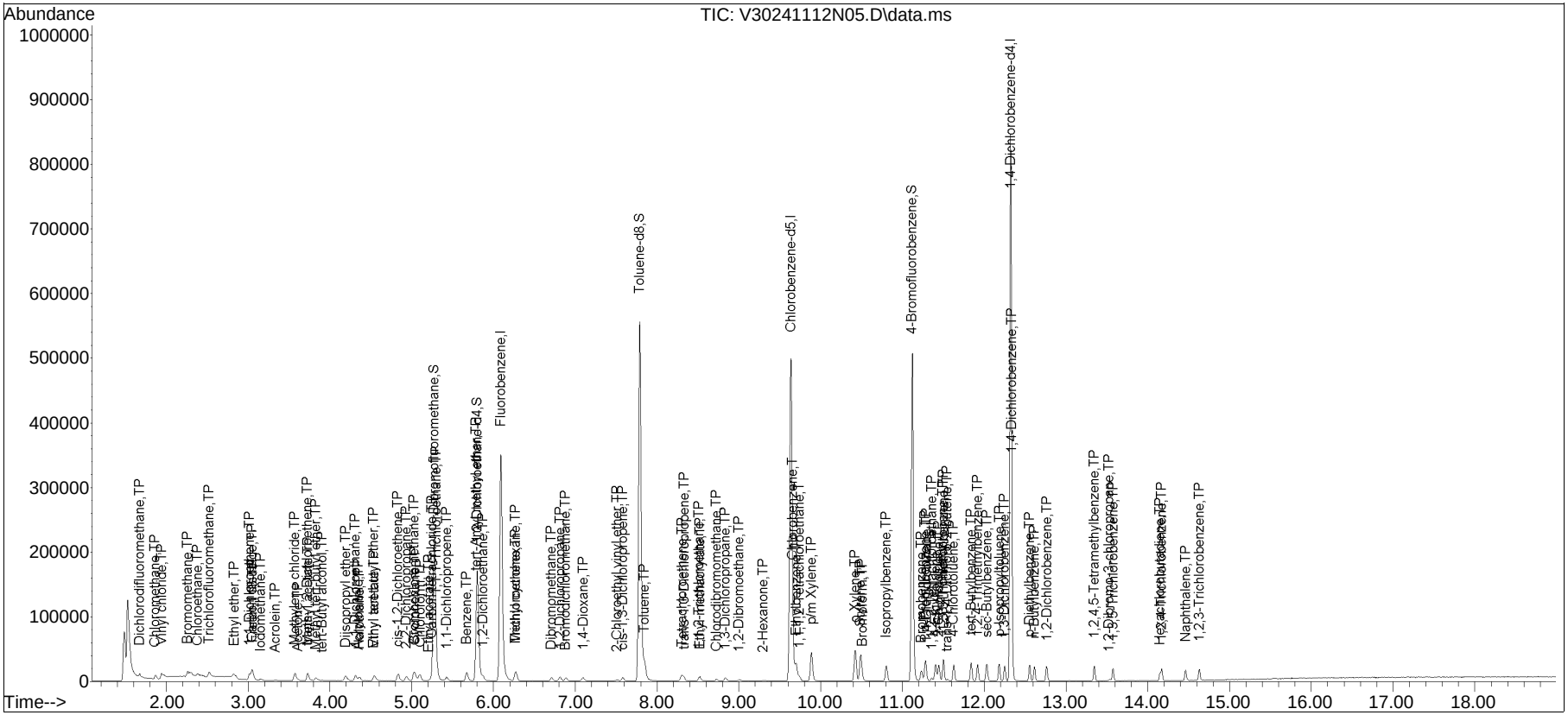
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N05.D
Acq On : 12 Nov 2024 04:19 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1996978,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 12:34:11 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:32:13 2024
Response via : Initial Calibration

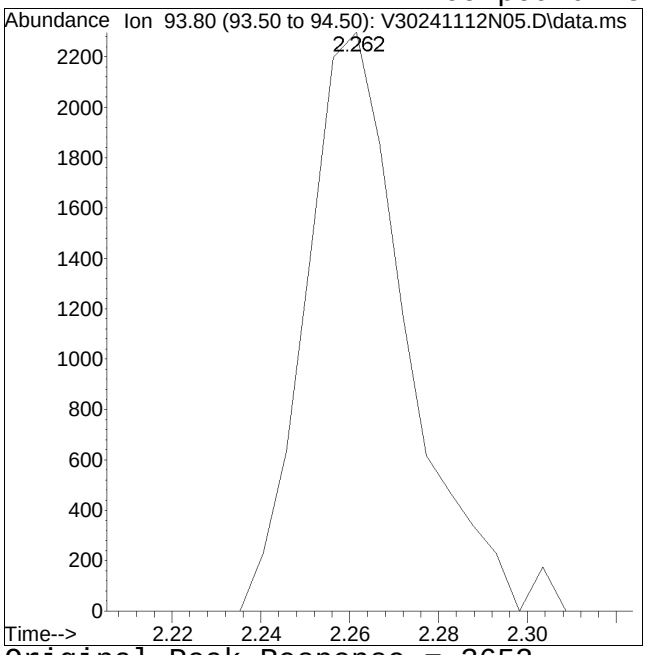
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



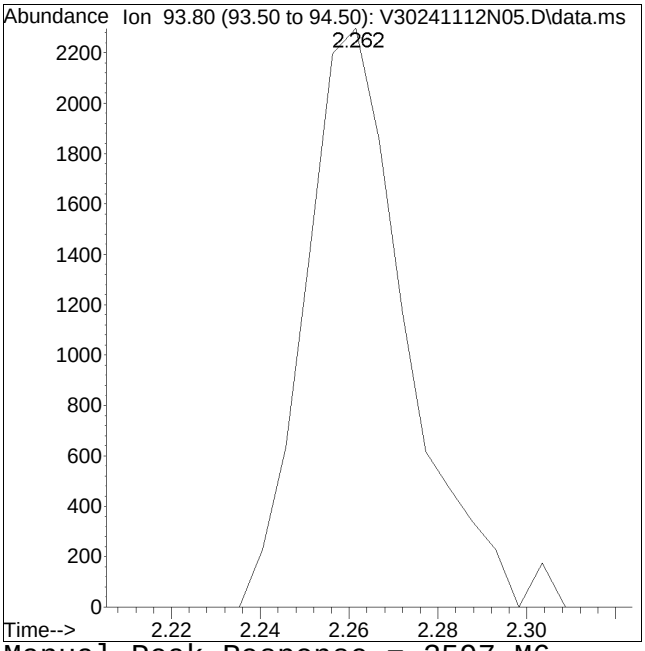
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N05.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:19 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 11/13/2024 12:32 pm

Compound #5: Bromomethane



Original Peak Response = 3652



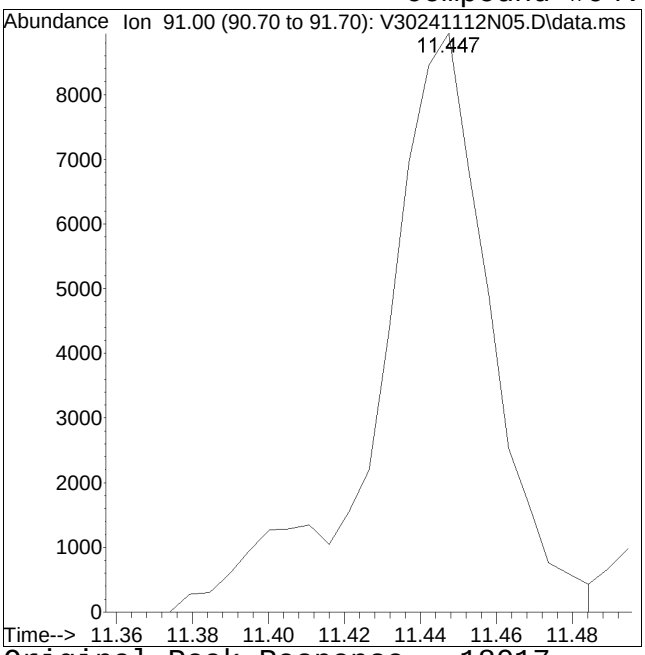
Manual Peak Response = 3597 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

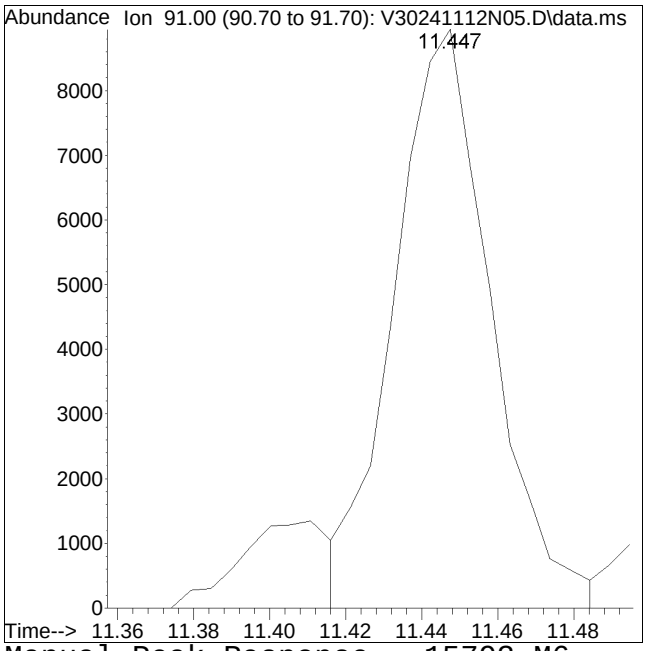
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N05.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:19 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 11/13/2024 12:32 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 18017



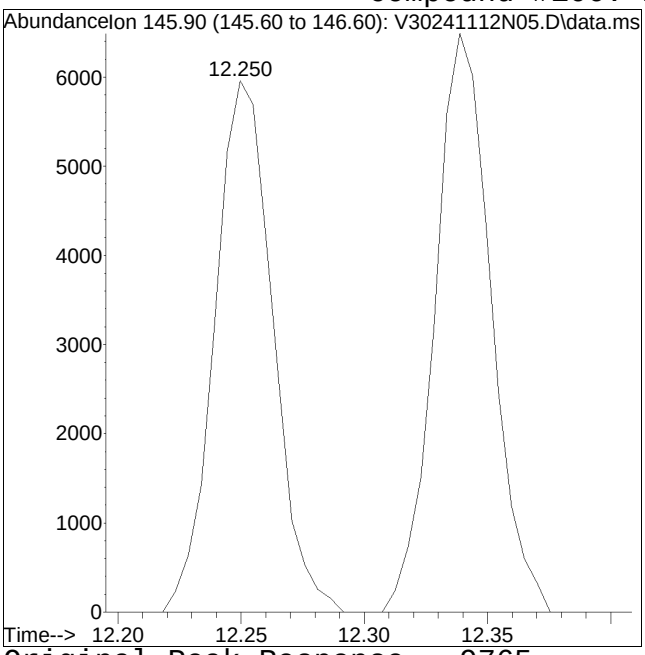
Manual Peak Response = 15793 M6

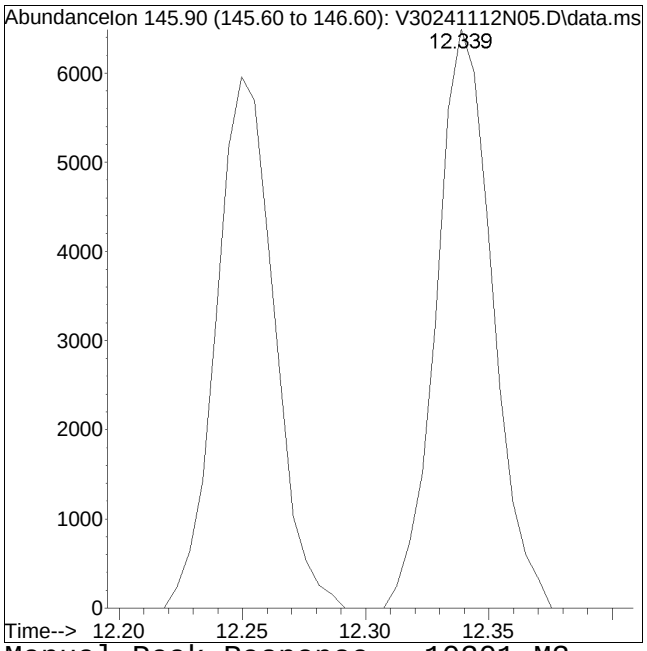
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N05.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:19 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 11/13/2024 12:32 pm

Compound #106: 1,4-Dichlorobenzene





Original Peak Response = 9765 Manual Peak Response = 10301 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:\VOA130\2024\241112NICAL\
Data File : V30241112N06.D
Acq On : 12 Nov 2024 04:41 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1996978,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 13:45:13 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.089	96	409145	10.000 ug/L	0.00
Standard Area 1 = 452641			Recovery =	90.39%	
63) Chlorobenzene-d5	9.633	117	356531	10.000 ug/L	0.00
Standard Area 1 = 358354			Recovery =	99.49%	
84) 1,4-Dichlorobenzene-d4	12.323	152	218876	10.000 ug/L	0.00
Standard Area 1 = 222013			Recovery =	98.59%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.276	113	156334	11.136 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	111.36%	
47) 1,2-Dichloroethane-d4	5.801	65	146960	10.344 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.44%	
64) Toluene-d8	7.788	98	470825	9.859 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.59%	
88) 4-Bromofluorobenzene	11.123	95	194769	10.290 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.90%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.674	85	23104	2.400 ug/L	97
3) Chloromethane	1.868	50	28962	2.502 ug/L	98
4) Vinyl chloride	1.942	62	27778	2.420 ug/L	100
5) Bromomethane	2.262	94	15123	2.418 ug/L	96
6) Chloroethane	2.382	64	17713	2.522 ug/L	98
7) Trichlorofluoromethane	2.524	101	30684	2.395 ug/L	99
8) Ethyl ether	2.823	74	6315	1.898 ug/L #	93
10) 1,1-Dichloroethene	3.017	96	19248	2.336 ug/L	83
11) Carbon disulfide	3.048	76	59352	2.396 ug/L	100
12) Freon-113	3.053	101	16820	2.160 ug/L	91
13) Iodomethane	3.153	142	13037	1.935 ug/L	100
14) Acrolein	3.337	56	1843	2.348 ug/L	99
15) Methylene chloride	3.572	84	24929	2.458 ug/L	85
17) Acetone	3.604	43	4830	2.426 ug/L	95
18) trans-1,2-Dichloroethene	3.730	96	20559	2.328 ug/L	88
19) Methyl acetate	3.730	43	8889	2.118 ug/L #	94
21) Methyl tert-butyl ether	3.829	73	21224	1.498 ug/L	97
22) tert-Butyl alcohol	3.913	59	2539	8.619 ug/L #	52
24) Diisopropyl ether	4.191	45	36706	1.810 ug/L	97
25) 1,1-Dichloroethane	4.317	63	45117	2.463 ug/L	98
26) Halothane	4.364	117	11704	1.967 ug/L	97

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N06.D
Acq On : 12 Nov 2024 04:41 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1996978,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 13:45:13 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	4156	2.097	ug/L		95
28) Ethyl tert-butyl ether	4.542	59	27577	1.630	ug/L		95
29) Vinyl acetate	4.542	43	22136	1.676	ug/L		97
30) cis-1,2-Dichloroethene	4.836	96	24136	2.396	ug/L		85
31) 2,2-Dichloropropane	4.941	77	24945	2.051	ug/L		91
33) Bromochloromethane	5.025	128	10626	2.331	ug/L	#	70
34) Cyclohexane	5.041	56	23452	1.742	ug/L		87
35) Chloroform	5.098	83	41717	2.458	ug/L		96
36) Ethyl acetate	5.214	43	8154	1.815	ug/L		96
37) Carbon tetrachloride	5.240	117	17305M1	1.797	ug/L		
38) Tetrahydrofuran	5.245	42	3131M6	2.210	ug/L		
40) 1,1,1-Trichloroethane	5.308	97	23314	1.914	ug/L		94
42) 2-Butanone	5.387	43	3333M6	1.734	ug/L		
43) 1,1-Dichloropropene	5.428	75	16827	1.690	ug/L		94
45) Benzene	5.670	78	62192	2.091	ug/L		97
46) tert-Amyl methyl ether	5.785	73	23157	1.729	ug/L		95
48) 1,2-Dichloroethane	5.874	62	22541	2.131	ug/L	#	98
51) Methyl cyclohexane	6.273	83	19048	1.793	ug/L		94
52) Trichloroethene	6.273	95	13465	1.846	ug/L		93
54) Dibromomethane	6.703	93	10532	2.208	ug/L		91
55) 1,2-Dichloropropane	6.813	63	14323	1.838	ug/L		96
57) 2-Chloroethyl vinyl ether	7.510	63	5490	1.698	ug/L		92
58) Bromodichloromethane	6.886	83	19108	1.793	ug/L		98
61) 1,4-Dioxane	7.096	88	16535	434.623	ug/L		96
62) cis-1,3-Dichloropropene	7.583	75	18732	1.773	ug/L	#	86
65) Toluene	7.846	92	44137	2.081	ug/L		99
66) 4-Methyl-2-pentanone	8.276	58	2104	1.317	ug/L	#	85
67) Tetrachloroethene	8.302	166	14969	1.941	ug/L		93
69) trans-1,3-Dichloropropene	8.328	75	14733	1.555	ug/L	#	87
71) Ethyl methacrylate	8.522	69	11495	1.786	ug/L	#	86
72) 1,1,2-Trichloroethane	8.517	83	7933	1.639	ug/L		97
73) Chlorodibromomethane	8.726	129	9951	1.480	ug/L		97
74) 1,3-Dichloropropane	8.831	76	17714	1.681	ug/L		99
75) 1,2-Dibromoethane	9.004	107	8523	1.688	ug/L		97
77) 2-Hexanone	9.298	43	5517	1.891	ug/L	#	92
78) Chlorobenzene	9.654	112	47915	2.113	ug/L	#	85
79) Ethylbenzene	9.696	91	88702	2.121	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.738	131	9696	1.580	ug/L		97
81) p/m Xylene	9.885	106	70806	4.235	ug/L		95
82) o Xylene	10.420	106	67972	4.210	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N06.D
Acq On : 12 Nov 2024 04:41 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1996978,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 13:45:13 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	110220	4.167	ug/L	95
85) Bromoform	10.509	173	5427	1.539	ug/L	98
87) Isopropylbenzene	10.803	105	82729	2.074	ug/L	98
89) Bromobenzene	11.233	156	20627	2.122	ug/L	96
90) n-Propylbenzene	11.280	91	105576	2.107	ug/L	97
91) 1,4-Dichlorobutane	11.290	55	17232	1.933	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.358	83	12166	1.917	ug/L	99
93) 4-Ethyltoluene	11.406	105	85808	2.067	ug/L	99
94) 2-Chlorotoluene	11.442	91	66490M1	2.188	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	72276	1.992	ug/L	97
96) 1,2,3-Trichloropropane	11.495	75	9968	1.913	ug/L	93
97) trans-1,4-Dichloro-2-b...	11.552	53	2794	1.770	ug/L	97
98) 4-Chlorotoluene	11.626	91	68404	2.130	ug/L	97
99) tert-Butylbenzene	11.841	119	61216	2.079	ug/L	94
102) 1,2,4-Trimethylbenzene	11.919	105	66884	1.898	ug/L	98
103) sec-Butylbenzene	12.030	105	88994	2.071	ug/L	95
104) p-Isopropyltoluene	12.182	119	73261	1.976	ug/L	97
105) 1,3-Dichlorobenzene	12.250	146	41954	2.067	ug/L	98
106) 1,4-Dichlorobenzene	12.339	146	43442	2.095	ug/L	97
107) p-Diethylbenzene	12.554	119	39933	1.831	ug/L	96
108) n-Butylbenzene	12.612	91	62155	1.923	ug/L	97
109) 1,2-Dichlorobenzene	12.764	146	39801	2.076	ug/L	97
110) 1,2,4,5-Tetramethylben...	13.346	119	52170	1.694	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.534	155	2226	2.091	ug/L	88
112) 1,3,5-Trichlorobenzene	13.571	180	26289	1.864	ug/L	97
113) Hexachlorobutadiene	14.148	225	9860	2.052	ug/L	97
114) 1,2,4-Trichlorobenzene	14.169	180	23531	1.880	ug/L	99
115) Naphthalene	14.457	128	47442	1.829	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	23066	1.964	ug/L	99

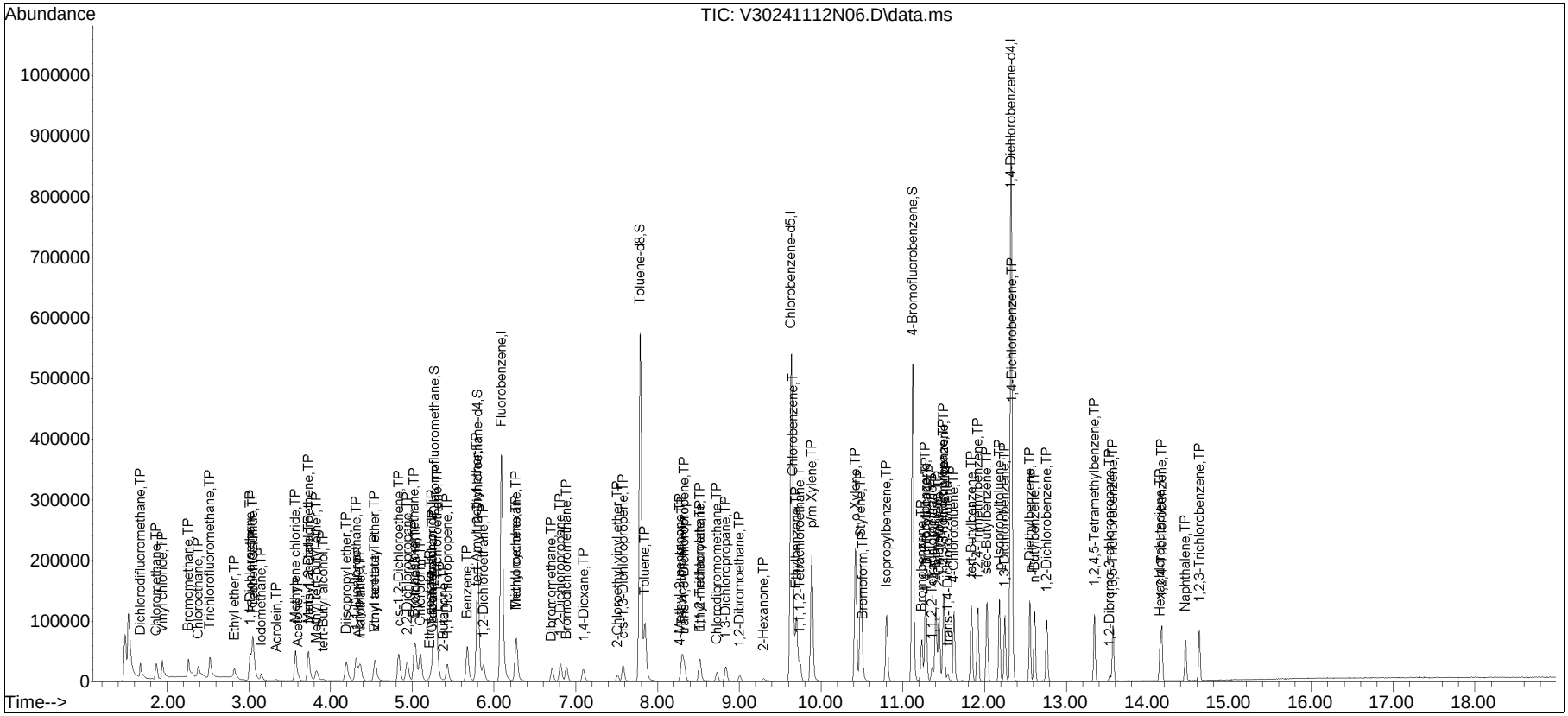
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N06.D
Acq On : 12 Nov 2024 04:41 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1996978,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 13:45:13 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

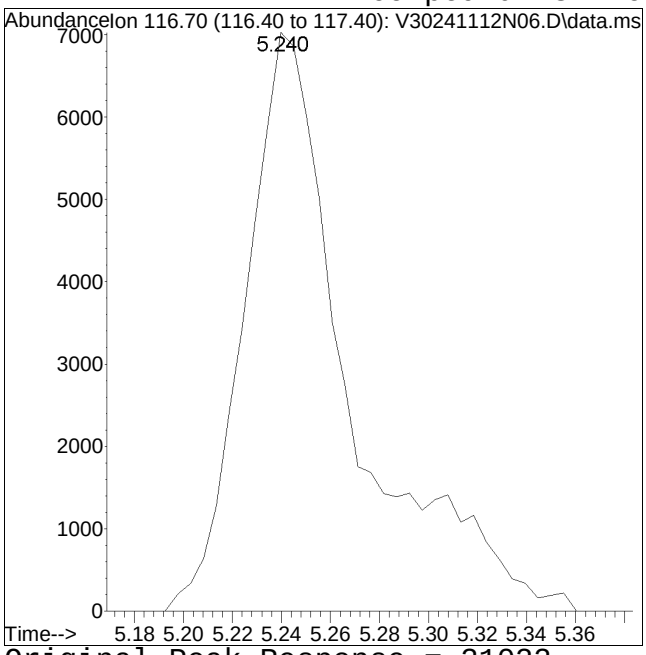
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•

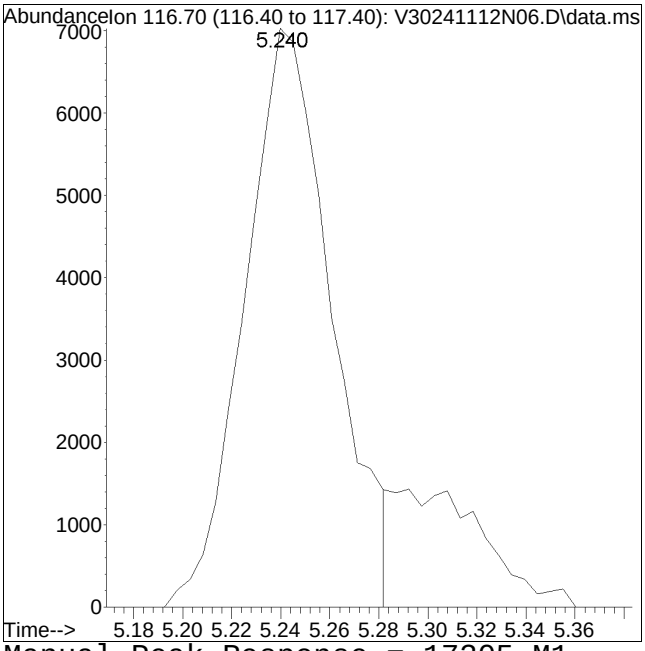


Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N06.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:41 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 11/13/2024 12:29 pm

Compound #37: Carbon tetrachloride



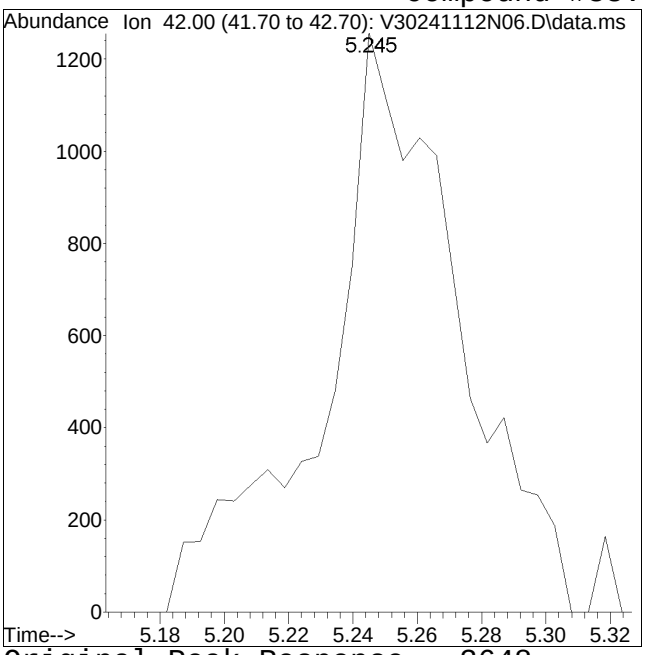


Original Peak Response = 21022 Manual Peak Response = 17305 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

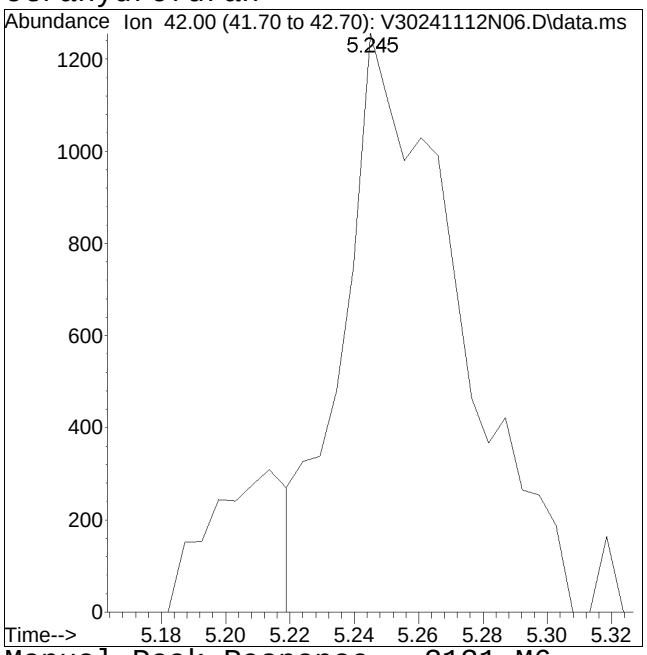
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N06.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:41 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 11/13/2024 12:29 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 3648



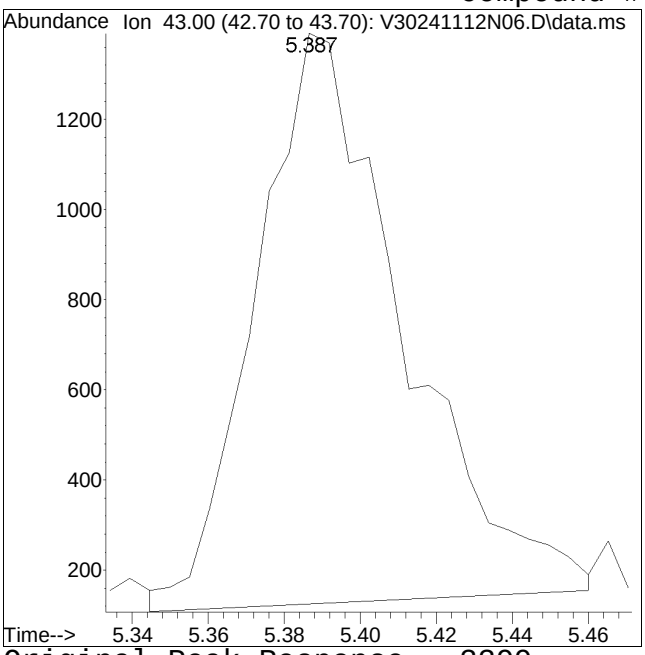
Manual Peak Response = 3131 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

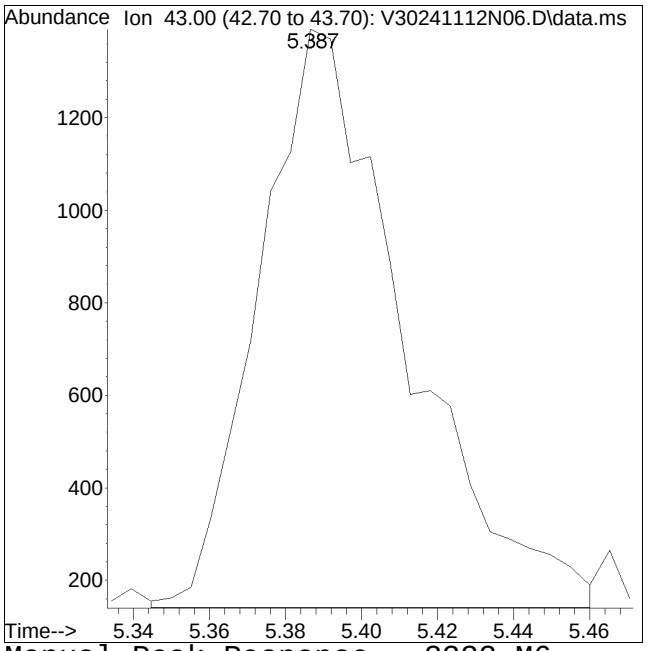
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N06.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:41 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 11/13/2024 12:29 pm

Compound #42: 2-Butanone



Original Peak Response = 3399



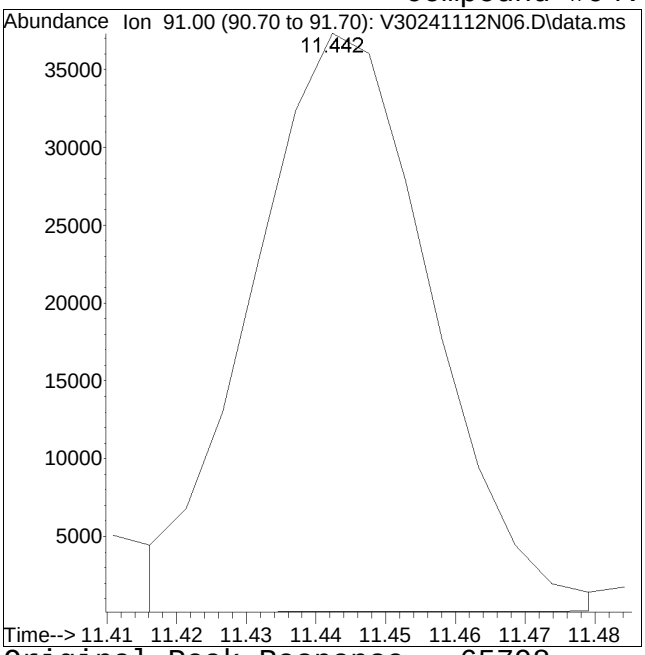
Manual Peak Response = 3333 M6

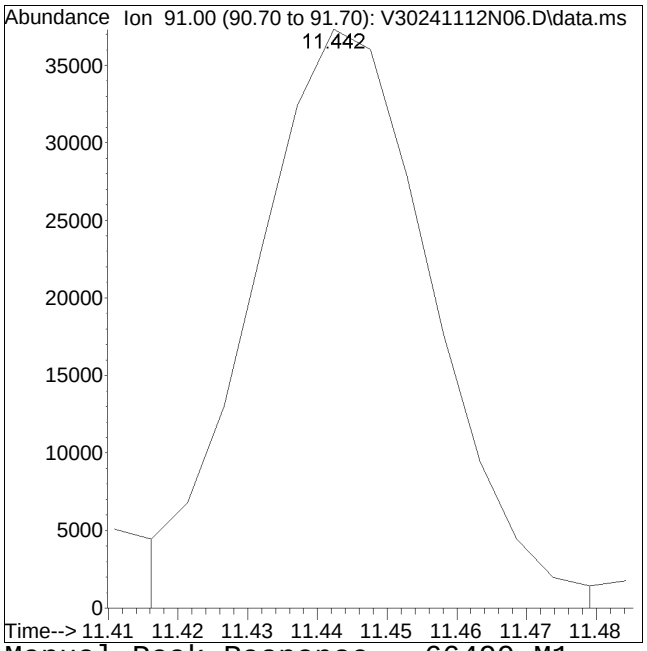
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N06.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 4:41 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 11/13/2024 12:29 pm

Compound #94: 2-Chlorotoluene





Original Peak Response = 65798 Manual Peak Response = 66490 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N08.D
Acq On : 12 Nov 2024 05:24 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 12:29:56 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	452641	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 100.00%			
63) Chlorobenzene-d5	9.633	117	358354	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.323	152	222013	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	157833	10.163	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.63%			
47) 1,2-Dichloroethane-d4	5.801	65	165359	10.520	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.20%			
64) Toluene-d8	7.788	98	491373	10.237	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.37%			
88) 4-Bromofluorobenzene	11.117	95	194329	10.122	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.22%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	113160	10.624	ug/L	96
3) Chloromethane	1.868	50	139127	10.865	ug/L	98
4) Vinyl chloride	1.942	62	134983	10.630	ug/L	100
5) Bromomethane	2.262	94	72626	10.497	ug/L	99
6) Chloroethane	2.382	64	82943	10.676	ug/L	98
7) Trichlorofluoromethane	2.524	101	152518	10.761	ug/L	99
8) Ethyl ether	2.823	74	36760	9.987	ug/L	91
10) 1,1-Dichloroethene	3.017	96	97443	10.690	ug/L	81
11) Carbon disulfide	3.048	76	289003	10.544	ug/L	100
12) Freon-113	3.053	101	91923	10.669	ug/L	91
13) Iodomethane	3.153	142	72593	9.738	ug/L	97
14) Acrolein	3.331	56	9107	10.487	ug/L	99
15) Methylene chloride	3.572	84	119587	10.660	ug/L	86
17) Acetone	3.604	43	19231	8.730	ug/L	93
18) trans-1,2-Dichloroethene	3.730	96	103115	10.555	ug/L	88
19) Methyl acetate	3.730	43	43750	9.421	ug/L #	88
21) Methyl tert-butyl ether	3.829	73	130526	8.328	ug/L	93
22) tert-Butyl alcohol	3.908	59	16224	49.785	ug/L #	76
24) Diisopropyl ether	4.191	45	230204	10.260	ug/L	97
25) 1,1-Dichloroethane	4.312	63	219275	10.821	ug/L	98
26) Halothane	4.364	117	65837	10.002	ug/L	98

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N08.D
Acq On : 12 Nov 2024 05:24 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 12:29:56 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	23313	10.631	ug/L		93
28) Ethyl tert-butyl ether	4.542	59	180008	9.619	ug/L		90
29) Vinyl acetate	4.548	43	128126	8.770	ug/L	#	95
30) cis-1,2-Dichloroethene	4.836	96	116875	10.488	ug/L		87
31) 2,2-Dichloropropane	4.936	77	139705	10.382	ug/L		89
33) Bromochloromethane	5.025	128	53918	10.692	ug/L	#	69
34) Cyclohexane	5.041	56	139209	9.345	ug/L		89
35) Chloroform	5.098	83	201005	10.707	ug/L		94
36) Ethyl acetate	5.208	43	45110	9.076	ug/L	#	97
37) Carbon tetrachloride	5.240	117	104653	9.822	ug/L		99
38) Tetrahydrofuran	5.250	42	15193M6	9.691	ug/L		
40) 1,1,1-Trichloroethane	5.303	97	137101	10.176	ug/L		95
42) 2-Butanone	5.381	43	18994	8.933	ug/L		94
43) 1,1-Dichloropropene	5.429	75	97112	8.818	ug/L		97
45) Benzene	5.670	78	331965	10.088	ug/L		97
46) tert-Amyl methyl ether	5.785	73	147144	9.929	ug/L		94
48) 1,2-Dichloroethane	5.869	62	120896	10.330	ug/L	#	97
51) Methyl cyclohexane	6.267	83	116952	9.953	ug/L		90
52) Trichloroethene	6.273	95	75526	9.359	ug/L		95
54) Dibromomethane	6.708	93	54924	10.407	ug/L		91
55) 1,2-Dichloropropane	6.813	63	79144	9.179	ug/L		98
57) 2-Chloroethyl vinyl ether	7.510	63	37918	10.599	ug/L		87
58) Bromodichloromethane	6.886	83	110406	9.363	ug/L	#	99
61) 1,4-Dioxane	7.091	88	21666	514.767	ug/L		94
62) cis-1,3-Dichloropropene	7.573	75	107449	9.191	ug/L	#	87
65) Toluene	7.846	92	224354	10.525	ug/L		99
66) 4-Methyl-2-pentanone	8.276	58	15592	9.712	ug/L	#	85
67) Tetrachloroethene	8.302	166	79227	10.220	ug/L		94
69) trans-1,3-Dichloropropene	8.328	75	90499	9.503	ug/L	#	84
71) Ethyl methacrylate	8.517	69	65650	10.146	ug/L	#	84
72) 1,1,2-Trichloroethane	8.511	83	46038	9.465	ug/L		98
73) Chlorodibromomethane	8.726	129	58852	8.711	ug/L		98
74) 1,3-Dichloropropane	8.837	76	100982	9.536	ug/L		100
75) 1,2-Dibromoethane	9.004	107	49516	9.755	ug/L		99
77) 2-Hexanone	9.287	43	28883	9.848	ug/L		98
78) Chlorobenzene	9.660	112	236750	10.386	ug/L		90
79) Ethylbenzene	9.696	91	448151	10.663	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.744	131	58277	9.451	ug/L		100
81) p/m Xylene	9.885	106	361841	21.530	ug/L		95
82) o Xylene	10.420	106	352173	21.702	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N08.D
Acq On : 12 Nov 2024 05:24 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 12:29:56 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	585852	22.034	ug/L	95
85) Bromoform	10.509	173	33739	9.431	ug/L	98
87) Isopropylbenzene	10.803	105	428357	10.590	ug/L	98
89) Bromobenzene	11.233	156	101877	10.332	ug/L	99
90) n-Propylbenzene	11.275	91	546452	10.752	ug/L	97
91) 1,4-Dichlorobutane	11.285	55	91967	10.173	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.358	83	63375	9.846	ug/L	100
93) 4-Ethyltoluene	11.400	105	446930	10.616	ug/L	99
94) 2-Chlorotoluene	11.442	91	328722M1	10.665	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	387832	10.541	ug/L	98
96) 1,2,3-Trichloropropane	11.495	75	52680	9.966	ug/L	91
97) trans-1,4-Dichloro-2-b...	11.547	53	15568	9.721	ug/L	98
98) 4-Chlorotoluene	11.626	91	343270	10.536	ug/L	96
99) tert-Butylbenzene	11.841	119	312721	10.471	ug/L	94
102) 1,2,4-Trimethylbenzene	11.914	105	375186	10.496	ug/L	98
103) sec-Butylbenzene	12.030	105	465676	10.684	ug/L	95
104) p-Isopropyltoluene	12.182	119	398264	10.588	ug/L	97
105) 1,3-Dichlorobenzene	12.250	146	213972	10.391	ug/L	98
106) 1,4-Dichlorobenzene	12.339	146	217196	10.329	ug/L	99
107) p-Diethylbenzene	12.554	119	226504	10.237	ug/L	96
108) n-Butylbenzene	12.612	91	346494	10.571	ug/L	98
109) 1,2-Dichlorobenzene	12.758	146	201920	10.383	ug/L	98
110) 1,2,4,5-Tetramethylben...	13.346	119	282861	9.054	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.534	155	11071	10.251	ug/L	99
112) 1,3,5-Trichlorobenzene	13.571	180	138078	9.654	ug/L	96
113) Hexachlorobutadiene	14.148	225	49821	10.224	ug/L	98
114) 1,2,4-Trichlorobenzene	14.169	180	125695	9.899	ug/L	99
115) Naphthalene	14.457	128	268637	10.210	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	119855	10.059	ug/L	98

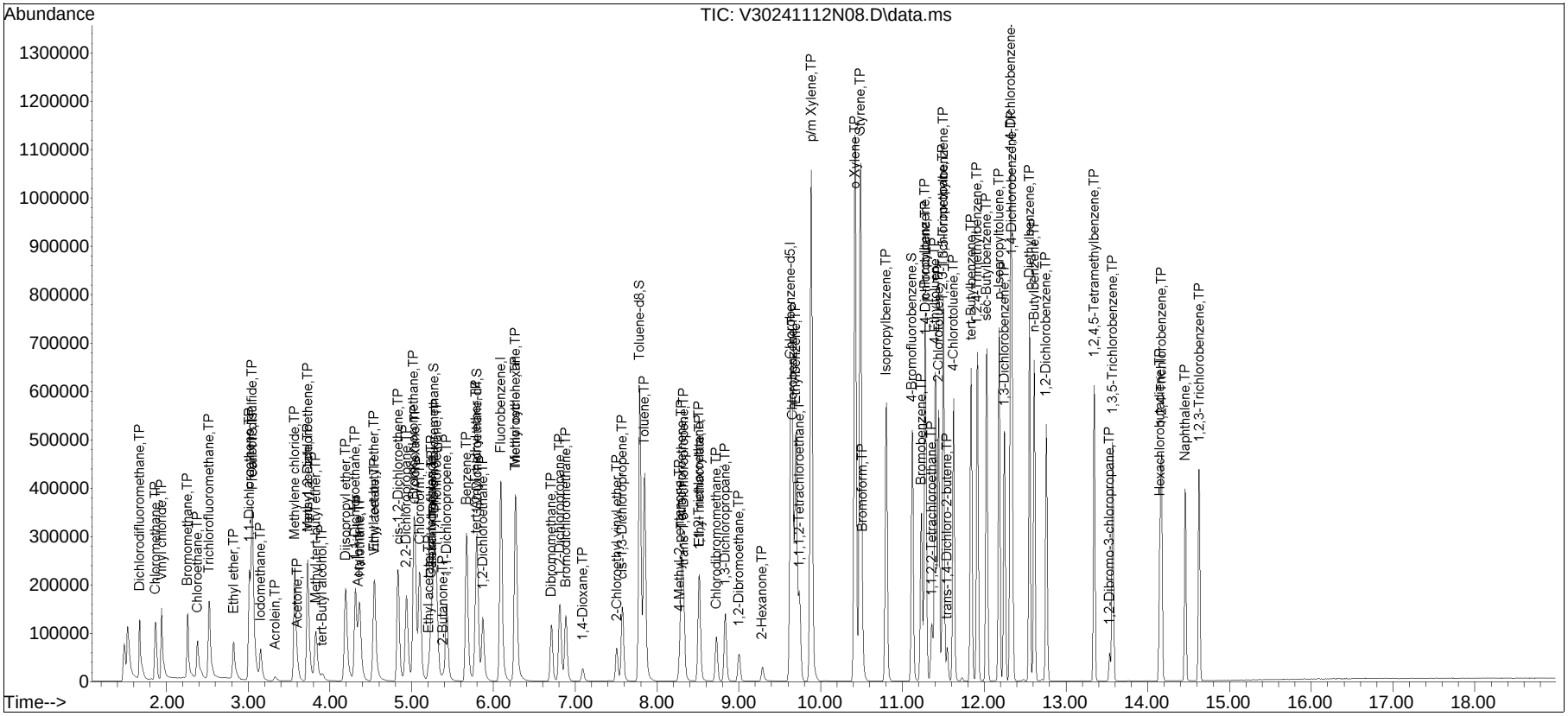
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N08.D
Acq On : 12 Nov 2024 05:24 pm
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 12:29:56 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

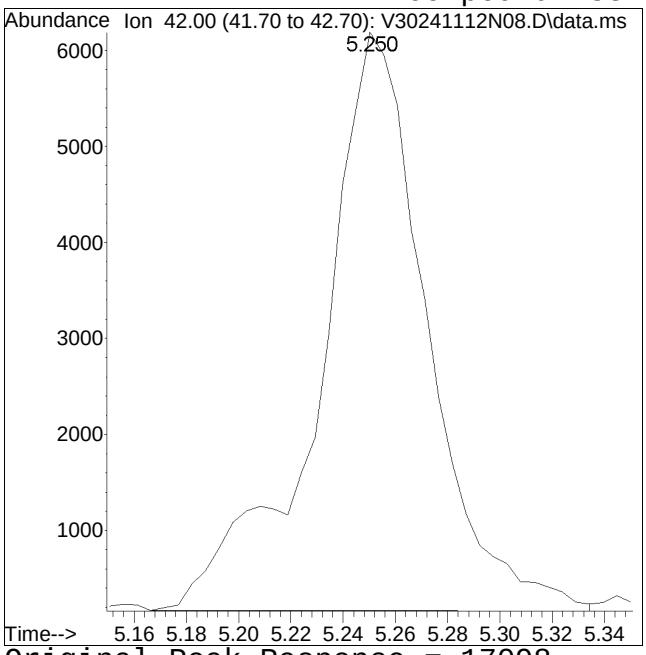
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



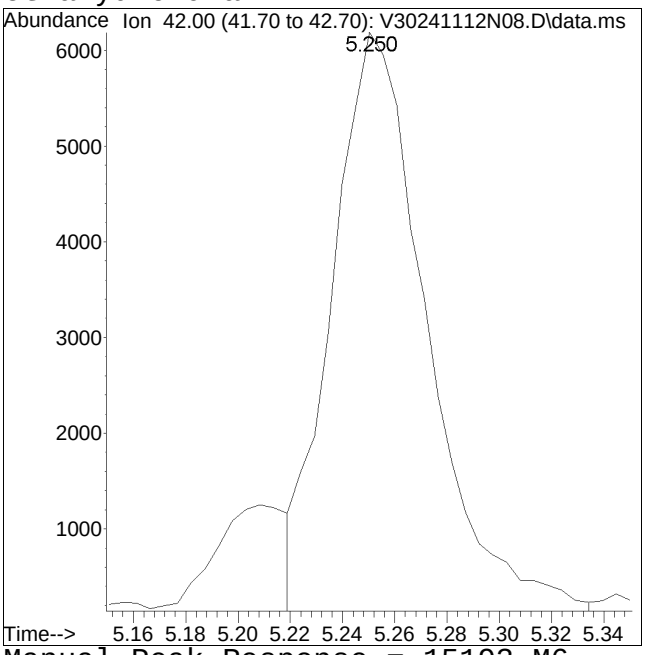
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N08.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:24 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 11/13/2024 12:29 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 17098



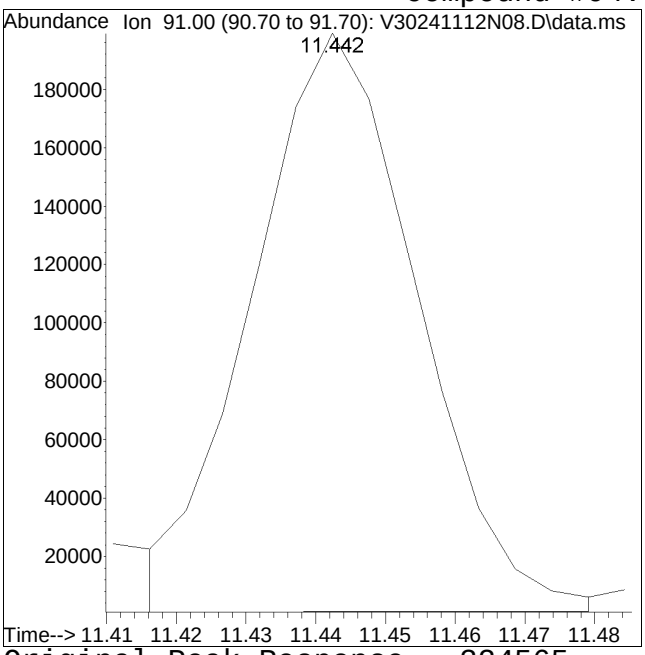
Manual Peak Response = 15193 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

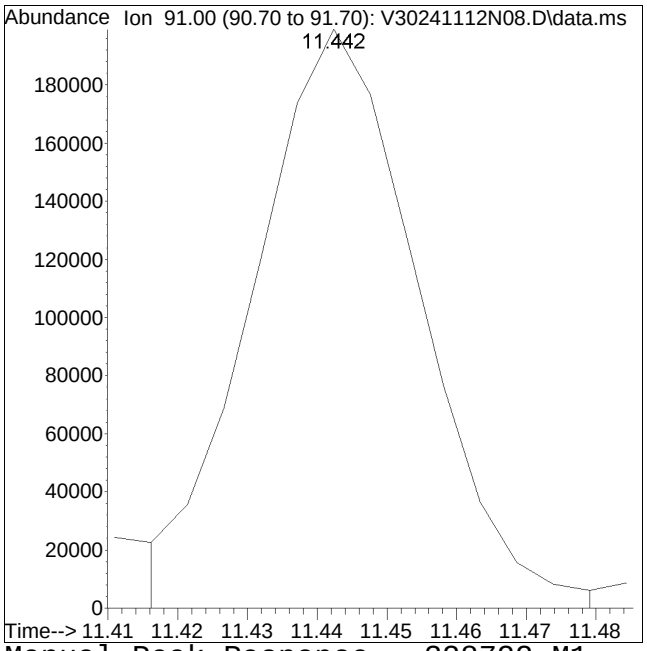
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N08.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:24 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 11/13/2024 12:29 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 324565



Manual Peak Response = 328722 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N09.D
Acq On : 12 Nov 2024 05:46 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1996978,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 13 12:30:05 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	494955	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 109.35%			
63) Chlorobenzene-d5	9.639	117	374992	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 104.64%			
84) 1,4-Dichlorobenzene-d4	12.323	152	226713	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 102.12%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	161047	9.483	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.83%			
47) 1,2-Dichloroethane-d4	5.801	65	170214	9.903	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.03%			
64) Toluene-d8	7.788	98	513154	10.217	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.17%			
88) 4-Bromofluorobenzene	11.117	95	196643	10.030	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	363637	31.222	ug/L	95
3) Chloromethane	1.868	50	420466	30.030	ug/L	97
4) Vinyl chloride	1.942	62	417069	30.038	ug/L	100
5) Bromomethane	2.262	94	220410	29.135	ug/L	98
6) Chloroethane	2.382	64	251707	29.630	ug/L	99
7) Trichlorofluoromethane	2.524	101	486564	31.395	ug/L	99
8) Ethyl ether	2.823	74	133367	33.136	ug/L	90
10) 1,1-Dichloroethene	3.017	96	309113	31.012	ug/L	81
11) Carbon disulfide	3.048	76	899158	30.000	ug/L	100
12) Freon-113	3.059	101	318586	33.815	ug/L	89
13) Iodomethane	3.153	142	255067	31.291	ug/L	97
14) Acrolein	3.331	56	28367	29.872	ug/L	98
15) Methylene chloride	3.572	84	362680	29.565	ug/L	85
17) Acetone	3.609	43	56587	23.492	ug/L #	89
18) trans-1,2-Dichloroethene	3.730	96	324727	30.398	ug/L	87
19) Methyl acetate	3.730	43	139683	27.509	ug/L #	86
21) Methyl tert-butyl ether	3.829	73	555790	32.428	ug/L	91
22) tert-Butyl alcohol	3.913	59	58489	164.136	ug/L #	81
24) Diisopropyl ether	4.191	45	806807	32.886	ug/L	95
25) 1,1-Dichloroethane	4.312	63	672948	30.369	ug/L	98
26) Halothane	4.364	117	243959	33.896	ug/L	98

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N09.D
Acq On : 12 Nov 2024 05:46 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1996978,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 13 12:30:05 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	74178	30.934	ug/L		92
28) Ethyl tert-butyl ether	4.542	59	656978	32.105	ug/L		93
29) Vinyl acetate	4.542	43	505124	31.619	ug/L	#	93
30) cis-1,2-Dichloroethene	4.831	96	366084	30.043	ug/L		86
31) 2,2-Dichloropropane	4.936	77	493504	33.540	ug/L		86
33) Bromochloromethane	5.025	128	165706	30.050	ug/L	#	69
34) Cyclohexane	5.040	56	575445	35.325	ug/L		90
35) Chloroform	5.098	83	618717	30.140	ug/L		95
36) Ethyl acetate	5.203	43	165709	30.488	ug/L	#	96
37) Carbon tetrachloride	5.240	117	418585	35.927	ug/L		99
38) Tetrahydrofuran	5.250	42	53287M6	31.085	ug/L		
40) 1,1,1-Trichloroethane	5.303	97	506168	34.358	ug/L		94
42) 2-Butanone	5.386	43	72507	31.186	ug/L		98
43) 1,1-Dichloropropene	5.428	75	398305	33.074	ug/L		96
45) Benzene	5.670	78	1141388	31.721	ug/L		97
46) tert-Amyl methyl ether	5.785	73	532224	32.844	ug/L		96
48) 1,2-Dichloroethane	5.869	62	399522	31.219	ug/L	#	97
51) Methyl cyclohexane	6.267	83	429613	33.435	ug/L		89
52) Trichloroethene	6.273	95	287620	32.593	ug/L		95
54) Dibromomethane	6.708	93	176370	30.561	ug/L		91
55) 1,2-Dichloropropane	6.813	63	303600	32.200	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	138090	35.300	ug/L		85
58) Bromodichloromethane	6.886	83	428799	33.256	ug/L	#	98
61) 1,4-Dioxane	7.090	88	29195	634.350	ug/L		96
62) cis-1,3-Dichloropropene	7.573	75	423271	33.110	ug/L	#	84
65) Toluene	7.846	92	713975	32.009	ug/L		99
66) 4-Methyl-2-pentanone	8.275	58	56141	33.418	ug/L	#	83
67) Tetrachloroethene	8.302	166	264103	32.556	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	338709	33.990	ug/L	#	79
71) Ethyl methacrylate	8.517	69	225015	33.234	ug/L	#	83
72) 1,1,2-Trichloroethane	8.511	83	162394	31.906	ug/L		97
73) Chlorodibromomethane	8.726	129	225476	31.893	ug/L		99
74) 1,3-Dichloropropane	8.831	76	353083	31.862	ug/L		99
75) 1,2-Dibromoethane	8.999	107	170331	32.066	ug/L		100
77) 2-Hexanone	9.287	43	96780	31.535	ug/L		93
78) Chlorobenzene	9.660	112	745312	31.245	ug/L		91
79) Ethylbenzene	9.696	91	1400243	31.840	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.743	131	211857	32.832	ug/L		99
81) p/m Xylene	9.885	106	1125725	64.010	ug/L		93
82) o Xylene	10.420	106	1080012	63.600	ug/L		95

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N09.D
Acq On : 12 Nov 2024 05:46 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1996978,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 13 12:30:05 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	1813938	65.194	ug/L	95
85) Bromoform	10.509	173	121376	33.225	ug/L	97
87) Isopropylbenzene	10.803	105	1347439	32.620	ug/L	98
89) Bromobenzene	11.233	156	314838	31.269	ug/L	99
90) n-Propylbenzene	11.280	91	1703296	32.819	ug/L	96
91) 1,4-Dichlorobutane	11.285	55	297065	32.178	ug/L	97
92) 1,1,2,2-Tetrachloroethane	11.358	83	209480	31.870	ug/L	99
93) 4-Ethyltoluene	11.406	105	1400975	32.587	ug/L	98
94) 2-Chlorotoluene	11.442	91	999474M1	31.754	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	1238538	32.963	ug/L	97
96) 1,2,3-Trichloropropane	11.495	75	172644M1	31.984	ug/L	
97) trans-1,4-Dichloro-2-b...	11.547	53	52543	32.128	ug/L	97
98) 4-Chlorotoluene	11.626	91	1054293	31.689	ug/L	95
99) tert-Butylbenzene	11.841	119	987186	32.369	ug/L	94
102) 1,2,4-Trimethylbenzene	11.914	105	1223259	33.512	ug/L	97
103) sec-Butylbenzene	12.030	105	1463038	32.871	ug/L	95
104) p-Isopropyltoluene	12.182	119	1273717	33.161	ug/L	96
105) 1,3-Dichlorobenzene	12.250	146	661577	31.460	ug/L	98
106) 1,4-Dichlorobenzene	12.339	146	668037	31.110	ug/L	98
107) p-Diethylbenzene	12.554	119	745868	33.011	ug/L	97
108) n-Butylbenzene	12.611	91	1124830	33.606	ug/L	98
109) 1,2-Dichlorobenzene	12.764	146	629736	31.711	ug/L	97
110) 1,2,4,5-Tetramethylben...	13.346	119	1038541	32.554	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.534	155	35428	32.124	ug/L	96
112) 1,3,5-Trichlorobenzene	13.571	180	474143	32.462	ug/L	96
113) Hexachlorobutadiene	14.148	225	158571	31.866	ug/L	99
114) 1,2,4-Trichlorobenzene	14.169	180	419633	32.362	ug/L	99
115) Naphthalene	14.457	128	884089	32.904	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	389608	32.021	ug/L	98

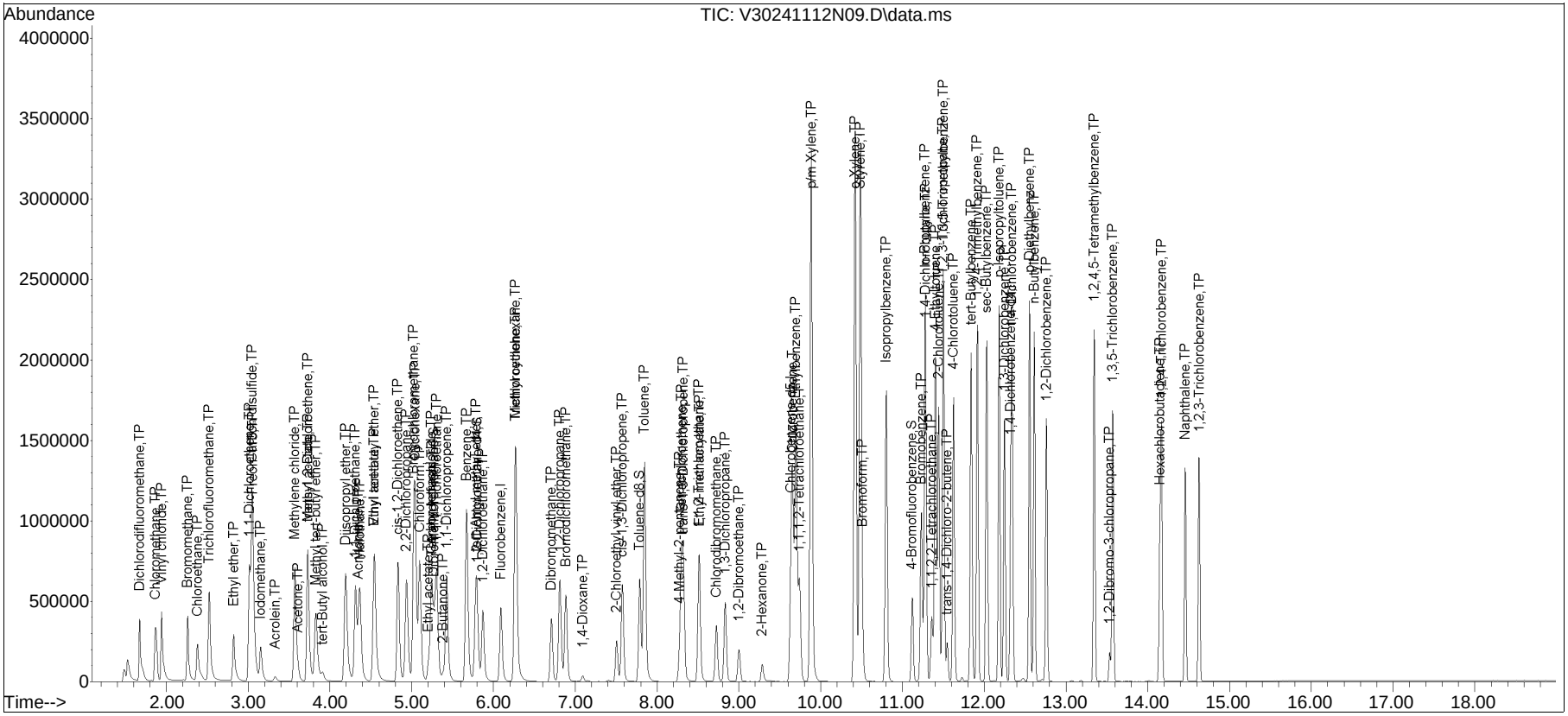
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N09.D
Acq On : 12 Nov 2024 05:46 pm
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1996978,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 13 12:30:05 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

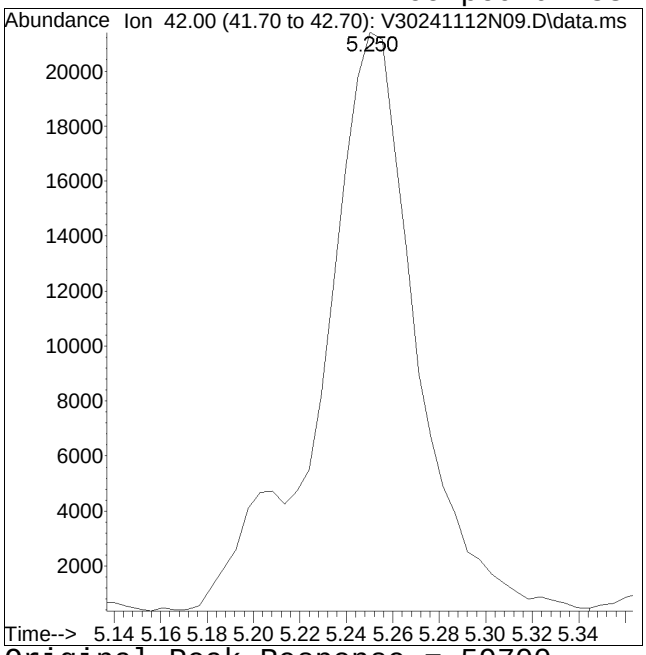
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



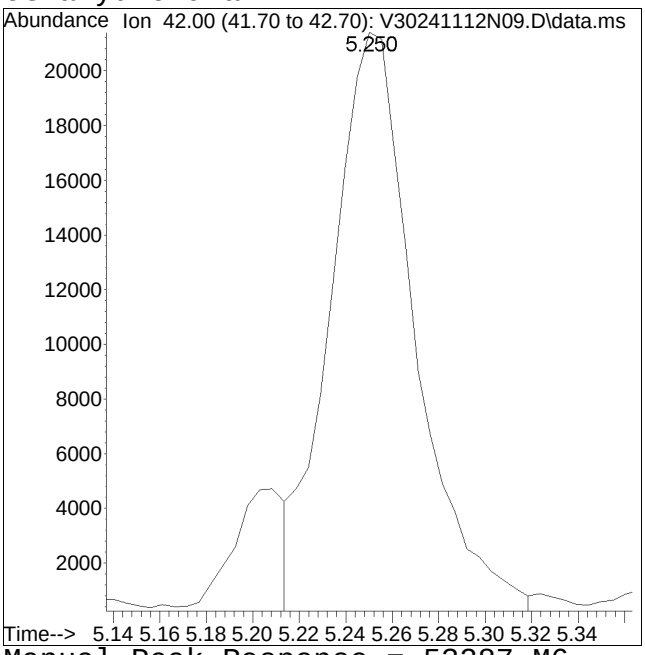
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N09.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:46 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 11/13/2024 12:30 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 59700



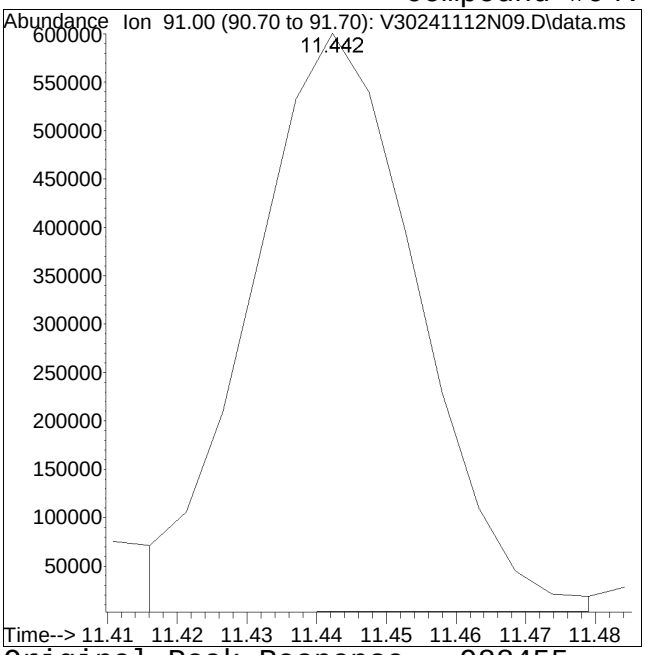
Manual Peak Response = 53287 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

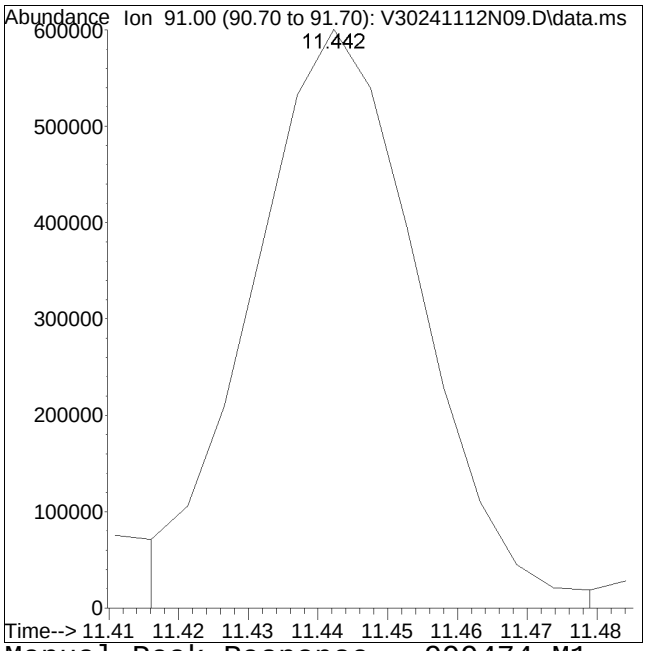
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N09.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:46 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 11/13/2024 12:30 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 988455



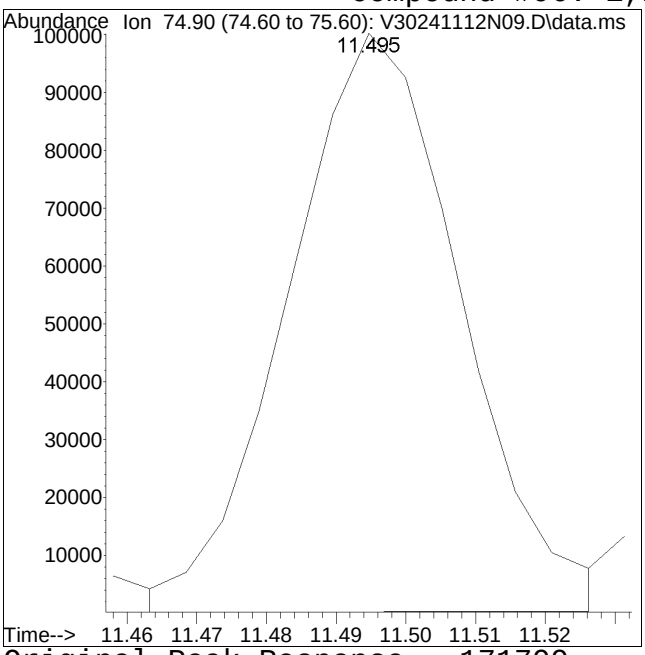
Manual Peak Response = 999474 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

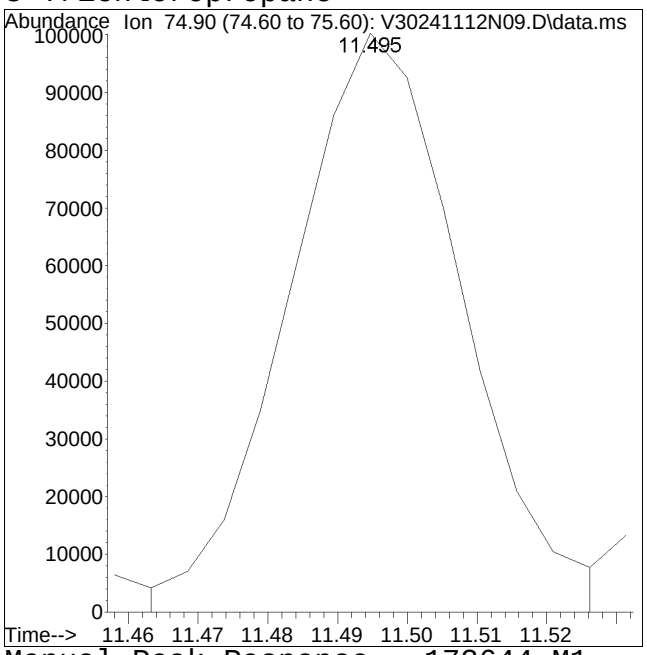
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N09.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 5:46 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 11/13/2024 12:30 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 171799



Manual Peak Response = 172644 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N10.D
Acq On : 12 Nov 2024 06:08 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1996978,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 12:30:14 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	534383	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 118.06%			
63) Chlorobenzene-d5	9.633	117	388503	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 108.41%			
84) 1,4-Dichlorobenzene-d4	12.323	152	239285	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 107.78%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	163220	8.902	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.02%			
47) 1,2-Dichloroethane-d4	5.801	65	169079	9.111	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.11%			
64) Toluene-d8	7.788	98	524559	10.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.81%			
88) 4-Bromofluorobenzene	11.117	95	197531	9.546	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	1048235	83.360	ug/L	96
3) Chloromethane	1.868	50	1204635	79.687	ug/L	98
4) Vinyl chloride	1.942	62	1202325	80.203	ug/L	100
5) Bromomethane	2.261	94	657933	80.552	ug/L	98
6) Chloroethane	2.382	64	727382	79.306	ug/L	99
7) Trichlorofluoromethane	2.524	101	1392267	83.205	ug/L	99
8) Ethyl ether	2.822	74	390422	89.845	ug/L	89
10) 1,1-Dichloroethene	3.017	96	896701	83.325	ug/L	80
11) Carbon disulfide	3.048	76	2601417	80.391	ug/L	100
12) Freon-113	3.058	101	916578	90.109	ug/L	89
13) Iodomethane	3.153	142	825999	93.855	ug/L	97
14) Acrolein	3.331	56	77549	75.639	ug/L	97
15) Methylene chloride	3.572	84	1028403	77.649	ug/L	85
17) Acetone	3.604	43	147597	56.754	ug/L #	88
18) trans-1,2-Dichloroethene	3.730	96	949496	82.326	ug/L	87
19) Methyl acetate	3.730	43	379892	69.294	ug/L #	86
21) Methyl tert-butyl ether	3.829	73	1832103	99.009	ug/L	91
22) tert-Butyl alcohol	3.908	59	173378	450.646	ug/L #	86
24) Diisopropyl ether	4.191	45	2447178	92.389	ug/L	94
25) 1,1-Dichloroethane	4.312	63	1926476	80.525	ug/L	98
26) Halothane	4.364	117	725276	93.335	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N10.D
Acq On : 12 Nov 2024 06:08 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1996978,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 12:30:14 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	192188	74.233	ug/L	#	91
28) Ethyl tert-butyl ether	4.542	59	2096899	94.910	ug/L		93
29) Vinyl acetate	4.542	43	1604403	93.019	ug/L	#	93
30) cis-1,2-Dichloroethene	4.831	96	1064634	80.924	ug/L		86
31) 2,2-Dichloropropane	4.935	77	1453360	91.487	ug/L		85
33) Bromochloromethane	5.025	128	465035	78.109	ug/L	#	68
34) Cyclohexane	5.040	56	1768428	100.551	ug/L		90
35) Chloroform	5.098	83	1769898	79.858	ug/L		94
36) Ethyl acetate	5.203	43	498727	84.989	ug/L	#	97
37) Carbon tetrachloride	5.240	117	1308099	103.990	ug/L		98
38) Tetrahydrofuran	5.250	42	150694M6	81.422	ug/L		
40) 1,1,1-Trichloroethane	5.302	97	1509259	94.888	ug/L		93
42) 2-Butanone	5.386	43	218502	87.045	ug/L		97
43) 1,1-Dichloropropene	5.428	75	1327265	102.081	ug/L		96
45) Benzene	5.670	78	3556034	91.536	ug/L		97
46) tert-Amyl methyl ether	5.785	73	1582493	90.452	ug/L		98
48) 1,2-Dichloroethane	5.869	62	1135965	82.217	ug/L	#	97
51) Methyl cyclohexane	6.267	83	1338677	96.496	ug/L		88
52) Trichloroethene	6.272	95	948214	99.523	ug/L		94
54) Dibromomethane	6.708	93	499113	80.104	ug/L	#	90
55) 1,2-Dichloropropane	6.813	63	996343	97.875	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	376828	89.223	ug/L	#	85
58) Bromodichloromethane	6.886	83	1325106	95.188	ug/L	#	99
61) 1,4-Dioxane	7.090	88	40176	808.537	ug/L		96
62) cis-1,3-Dichloropropene	7.578	75	1411723	102.284	ug/L	#	84
65) Toluene	7.845	92	2062726	89.261	ug/L		97
66) 4-Methyl-2-pentanone	8.275	58	155950	89.601	ug/L	#	80
67) Tetrachloroethene	8.302	166	774608	92.164	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	1086405	105.231	ug/L	#	77
71) Ethyl methacrylate	8.517	69	620888	88.513	ug/L	#	76
72) 1,1,2-Trichloroethane	8.511	83	496444	94.146	ug/L		97
73) Chlorodibromomethane	8.726	129	732398	99.993	ug/L		98
74) 1,3-Dichloropropane	8.831	76	1078033	93.897	ug/L		100
75) 1,2-Dibromoethane	8.999	107	508167	92.340	ug/L		99
77) 2-Hexanone	9.282	43	262939	82.697	ug/L		93
78) Chlorobenzene	9.654	112	2148247	86.928	ug/L		91
79) Ethylbenzene	9.696	91	3993920	87.658	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.738	131	658756	98.537	ug/L		99
81) p/m Xylene	9.885	106	3213553	176.372	ug/L		91
82) o Xylene	10.420	106	3086921	175.460	ug/L		92

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N10.D
Acq On : 12 Nov 2024 06:08 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1996978,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 12:30:14 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	5103183	177.034	ug/L	95
85) Bromoform	10.509	173	362103	93.911	ug/L	97
87) Isopropylbenzene	10.803	105	3887368	89.164	ug/L	97
89) Bromobenzene	11.232	156	909252	85.559	ug/L	99
90) n-Propylbenzene	11.280	91	4842718	88.407	ug/L	95
91) 1,4-Dichlorobutane	11.285	55	806560	82.777	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.358	83	589798	85.018	ug/L	99
93) 4-Ethyltoluene	11.405	105	4062966	89.539	ug/L	97
94) 2-Chlorotoluene	11.442	91	2864072M1	86.214	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	3652163	92.094	ug/L	96
96) 1,2,3-Trichloropropane	11.495	75	472328M1	82.906	ug/L	
97) trans-1,4-Dichloro-2-b...	11.547	53	147735	85.587	ug/L	92
98) 4-Chlorotoluene	11.626	91	3072103	87.486	ug/L	94
99) tert-Butylbenzene	11.841	119	2880033	89.473	ug/L	94
102) 1,2,4-Trimethylbenzene	11.914	105	3639491	94.469	ug/L	96
103) sec-Butylbenzene	12.029	105	4212609	89.674	ug/L	93
104) p-Isopropyltoluene	12.181	119	3775618	93.134	ug/L	96
105) 1,3-Dichlorobenzene	12.250	146	1945423	87.652	ug/L	97
106) 1,4-Dichlorobenzene	12.339	146	1970026	86.921	ug/L	97
107) p-Diethylbenzene	12.554	119	2294614	96.221	ug/L	96
108) n-Butylbenzene	12.611	91	3343099	94.633	ug/L	97
109) 1,2-Dichlorobenzene	12.763	146	1823346	86.994	ug/L	97
110) 1,2,4,5-Tetramethylben...	13.345	119	3395520	100.845	ug/L	95
111) 1,2-Dibromo-3-chloropr...	13.534	155	96180	82.629	ug/L	97
112) 1,3,5-Trichlorobenzene	13.571	180	1474889	95.672	ug/L	95
113) Hexachlorobutadiene	14.148	225	478597	91.124	ug/L	99
114) 1,2,4-Trichlorobenzene	14.169	180	1267301	92.600	ug/L	98
115) Naphthalene	14.457	128	2474607	87.260	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	1122480	87.408	ug/L	98

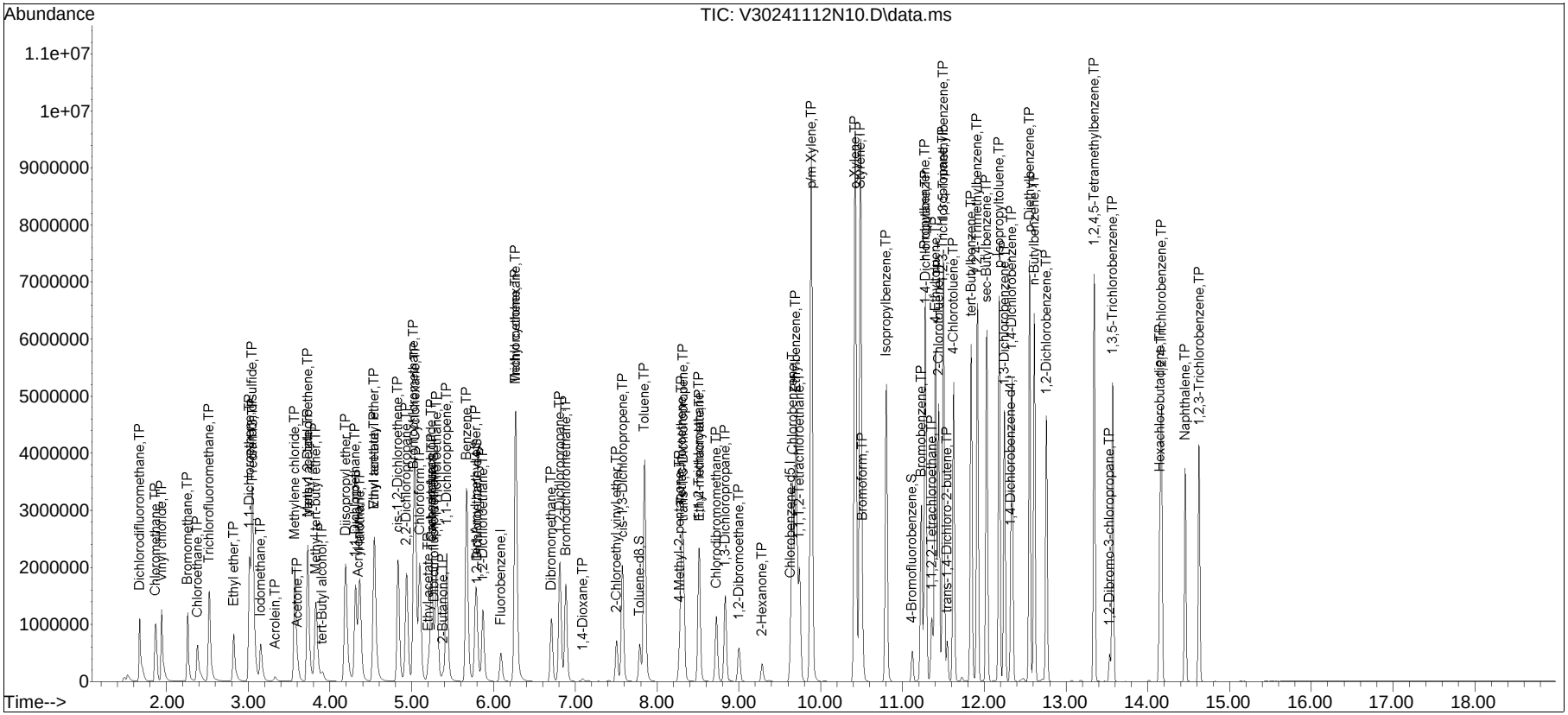
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N10.D
Acq On : 12 Nov 2024 06:08 pm
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1996978,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 13 12:30:14 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

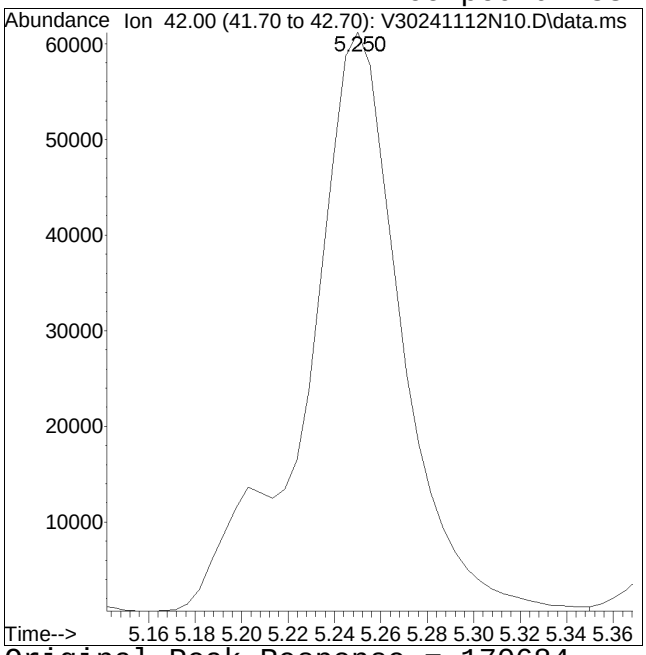
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



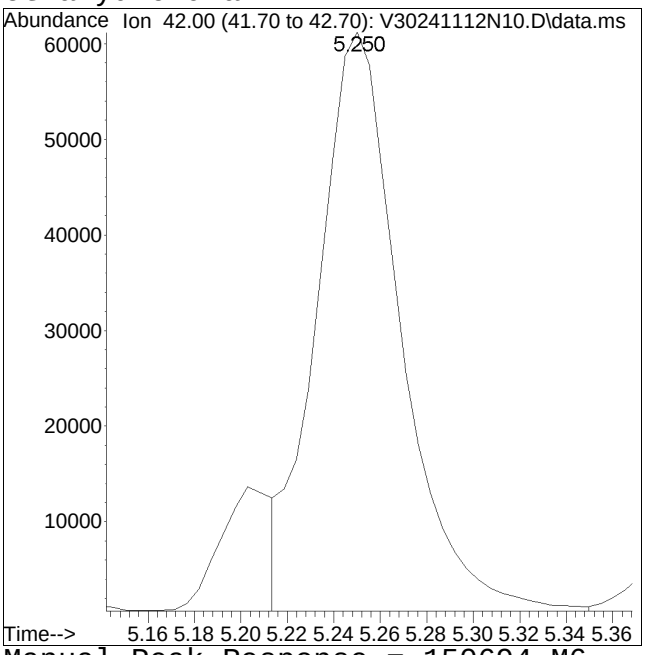
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N10.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:08 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 11/13/2024 12:30 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 170684



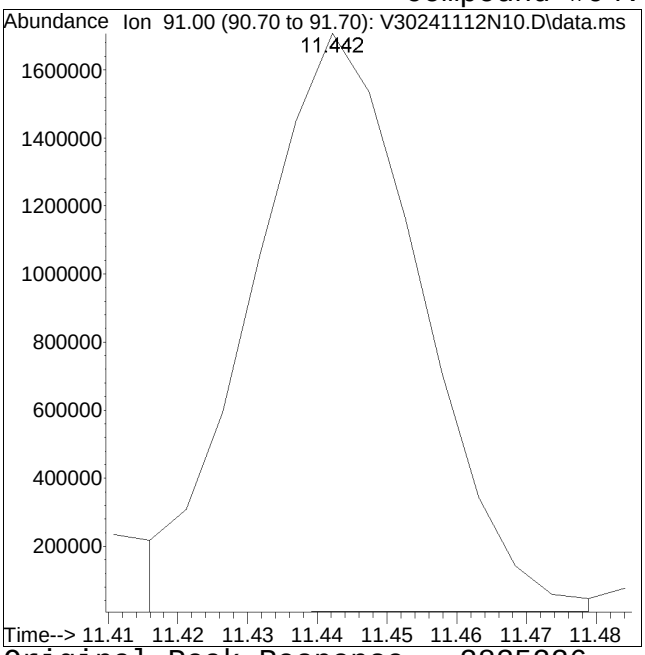
Manual Peak Response = 150694 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

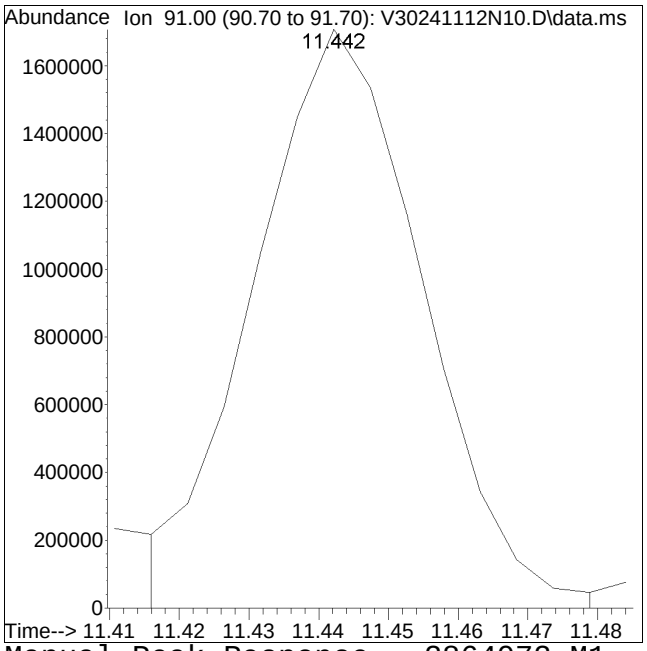
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N10.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:08 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 11/13/2024 12:30 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 2835226



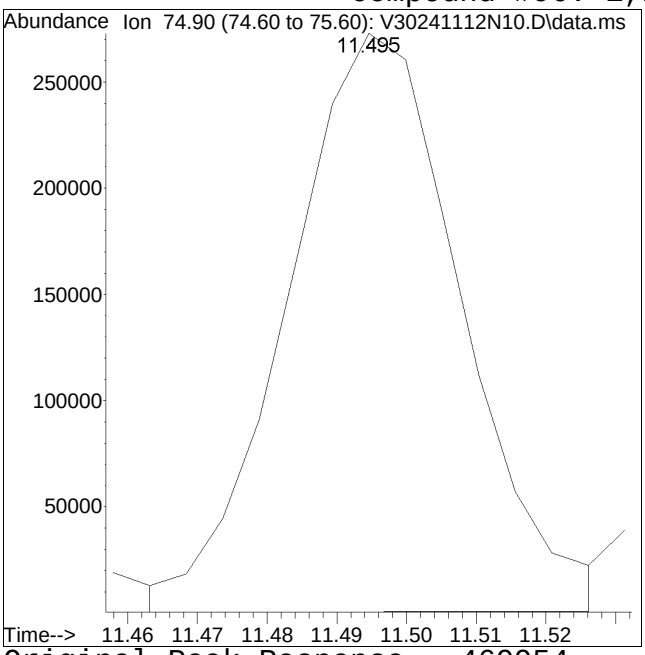
Manual Peak Response = 2864072 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

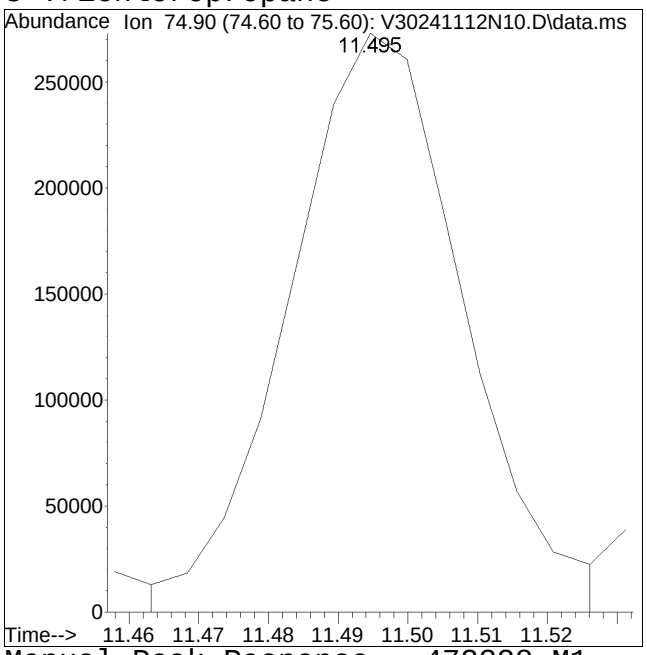
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N10.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:08 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 11/13/2024 12:30 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 469954



Manual Peak Response = 472328 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N11.D
Acq On : 12 Nov 2024 06:30 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1996978,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 12:30:21 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	553324	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 122.24%			
63) Chlorobenzene-d5	9.639	117	396659	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 110.69%			
84) 1,4-Dichlorobenzene-d4	12.323	152	245229	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 110.46%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	167796	8.838	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.38%			
47) 1,2-Dichloroethane-d4	5.801	65	178569	9.293	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.93%			
64) Toluene-d8	7.788	98	534649	10.063	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.63%			
88) 4-Bromofluorobenzene	11.117	95	202492	9.548	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	1446009	111.056	ug/L	96
3) Chloromethane	1.868	50	1709961	109.242	ug/L	98
4) Vinyl chloride	1.942	62	1693474	109.100	ug/L	100
5) Bromomethane	2.256	94	931994	110.200	ug/L	98
6) Chloroethane	2.377	64	1032176	108.686	ug/L	99
7) Trichlorofluoromethane	2.524	101	1925283	111.121	ug/L	98
8) Ethyl ether	2.823	74	576108	128.038	ug/L	88
10) 1,1-Dichloroethene	3.017	96	1275346	114.453	ug/L	80
11) Carbon disulfide	3.048	76	3725661	111.192	ug/L	99
12) Freon-113	3.059	101	1278926	121.427	ug/L	88
13) Iodomethane	3.153	142	1231379	135.127	ug/L	97
14) Acrolein	3.331	56	118565	111.686	ug/L	97
15) Methylene chloride	3.572	84	1497848	109.223	ug/L	85
17) Acetone	3.604	43	223440	82.976	ug/L #	90
18) trans-1,2-Dichloroethene	3.730	96	1372524	114.931	ug/L	87
19) Methyl acetate	3.730	43	580330	102.232	ug/L #	87
21) Methyl tert-butyl ether	3.829	73	2817428	147.045	ug/L	91
22) tert-Butyl alcohol	3.908	59	261742	657.035	ug/L #	86
24) Diisopropyl ether	4.191	45	3627586	132.265	ug/L	94
25) 1,1-Dichloroethane	4.312	63	2769650	111.805	ug/L	97
26) Halothane	4.364	117	1041174	129.401	ug/L	97

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N11.D
Acq On : 12 Nov 2024 06:30 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1996978,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 12:30:21 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.343	53	289648	108.047	ug/L	#	92
28) Ethyl tert-butyl ether	4.542	59	3235205	141.419	ug/L		93
29) Vinyl acetate	4.542	43	2455953	137.515	ug/L	#	93
30) cis-1,2-Dichloroethene	4.831	96	1551733	113.912	ug/L		86
31) 2,2-Dichloropropane	4.936	77	2055380	124.954	ug/L		84
33) Bromochloromethane	5.025	128	682631	110.732	ug/L	#	67
34) Cyclohexane	5.040	56	2478812	136.117	ug/L		89
35) Chloroform	5.098	83	2559112	111.515	ug/L		94
36) Ethyl acetate	5.203	43	765940	126.058	ug/L	#	96
37) Carbon tetrachloride	5.240	117	1884211	144.662	ug/L		98
38) Tetrahydrofuran	5.250	42	229712M6	119.869	ug/L		
40) 1,1,1-Trichloroethane	5.303	97	2153451	130.755	ug/L		93
42) 2-Butanone	5.381	43	329776	126.877	ug/L		98
43) 1,1-Dichloropropene	5.428	75	1916618	142.363	ug/L		95
45) Benzene	5.670	78	5239668	130.258	ug/L		97
46) tert-Amyl methyl ether	5.785	73	2423097	133.758	ug/L		97
48) 1,2-Dichloroethane	5.869	62	1679391	117.388	ug/L	#	98
51) Methyl cyclohexane	6.267	83	1923776	133.925	ug/L		88
52) Trichloroethene	6.273	95	1397426	141.650	ug/L		94
54) Dibromomethane	6.708	93	752618	116.655	ug/L	#	90
55) 1,2-Dichloropropane	6.813	63	1482431	140.641	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	574375	131.341	ug/L	#	84
58) Bromodichloromethane	6.886	83	1957308	135.789	ug/L	#	98
61) 1,4-Dioxane	7.091	88	55773	1084.003	ug/L	#	95
62) cis-1,3-Dichloropropene	7.573	75	2137502	149.568	ug/L	#	84
65) Toluene	7.846	92	2954399	125.218	ug/L		97
66) 4-Methyl-2-pentanone	8.275	58	234988	132.236	ug/L	#	78
67) Tetrachloroethene	8.302	166	1110433	129.404	ug/L		93
69) trans-1,3-Dichloropropene	8.323	75	1660643	157.545	ug/L	#	77
71) Ethyl methacrylate	8.517	69	919577	128.398	ug/L	#	73
72) 1,1,2-Trichloroethane	8.511	83	759401	141.052	ug/L		97
73) Chlorodibromomethane	8.726	129	1135451	151.834	ug/L		98
74) 1,3-Dichloropropane	8.831	76	1639676	139.880	ug/L		100
75) 1,2-Dibromoethane	8.999	107	786495	139.977	ug/L		99
77) 2-Hexanone	9.282	43	391830	120.701	ug/L		91
78) Chlorobenzene	9.654	112	3126867	123.926	ug/L		92
79) Ethylbenzene	9.696	91	5677771	122.053	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.744	131	991169	145.212	ug/L		99
81) p/m Xylene	9.885	106	4572389	245.790	ug/L		89
82) o Xylene	10.425	106	4429608	246.602	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N11.D
Acq On : 12 Nov 2024 06:30 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1996978,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 12:30:21 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.488	104	7283818	247.486	ug/L		96
85) Bromoform	10.509	173	561869	142.189	ug/L		98
87) Isopropylbenzene	10.803	105	5512682	123.379	ug/L		96
89) Bromobenzene	11.233	156	1332830	122.377	ug/L		100
90) n-Propylbenzene	11.280	91	6830368	121.671	ug/L		94
91) 1,4-Dichlorobutane	11.285	55	1199656	120.136	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.358	83	891449	125.385	ug/L		99
93) 4-Ethyltoluene	11.406	105	5781295	124.319	ug/L		96
94) 2-Chlorotoluene	11.442	91	4125972M1	121.189	ug/L		
95) 1,3,5-Trimethylbenzene	11.500	105	5180389	127.465	ug/L		95
96) 1,2,3-Trichloropropane	11.495	75	707845M1	121.234	ug/L		
97) trans-1,4-Dichloro-2-b...	11.547	53	224807	127.080	ug/L		89
98) 4-Chlorotoluene	11.626	91	4406050	122.432	ug/L		93
99) tert-Butylbenzene	11.841	119	4114290	124.718	ug/L		94
102) 1,2,4-Trimethylbenzene	11.919	105	5212644	132.023	ug/L		95
103) sec-Butylbenzene	12.030	105	5946547	123.517	ug/L		92
104) p-Isopropyltoluene	12.182	119	5341465	128.565	ug/L		96
105) 1,3-Dichlorobenzene	12.250	146	2825985	124.239	ug/L		97
106) 1,4-Dichlorobenzene	12.339	146	2861664	123.202	ug/L		97
107) p-Diethylbenzene	12.554	119	3296798	134.895	ug/L		96
108) n-Butylbenzene	12.612	91	4724501	130.495	ug/L	#	96
109) 1,2-Dichlorobenzene	12.764	146	2654410	123.575	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.346	119	4971785	144.080	ug/L		94
111) 1,2-Dibromo-3-chloropr...	13.534	155	145563	122.023	ug/L		97
112) 1,3,5-Trichlorobenzene	13.571	180	2156724	136.510	ug/L		95
113) Hexachlorobutadiene	14.148	225	692495	128.654	ug/L		99
114) 1,2,4-Trichlorobenzene	14.169	180	1873355	133.566	ug/L		98
115) Naphthalene	14.457	128	3648324	125.529	ug/L		100
116) 1,2,3-Trichlorobenzene	14.630	180	1656797	125.889	ug/L		98

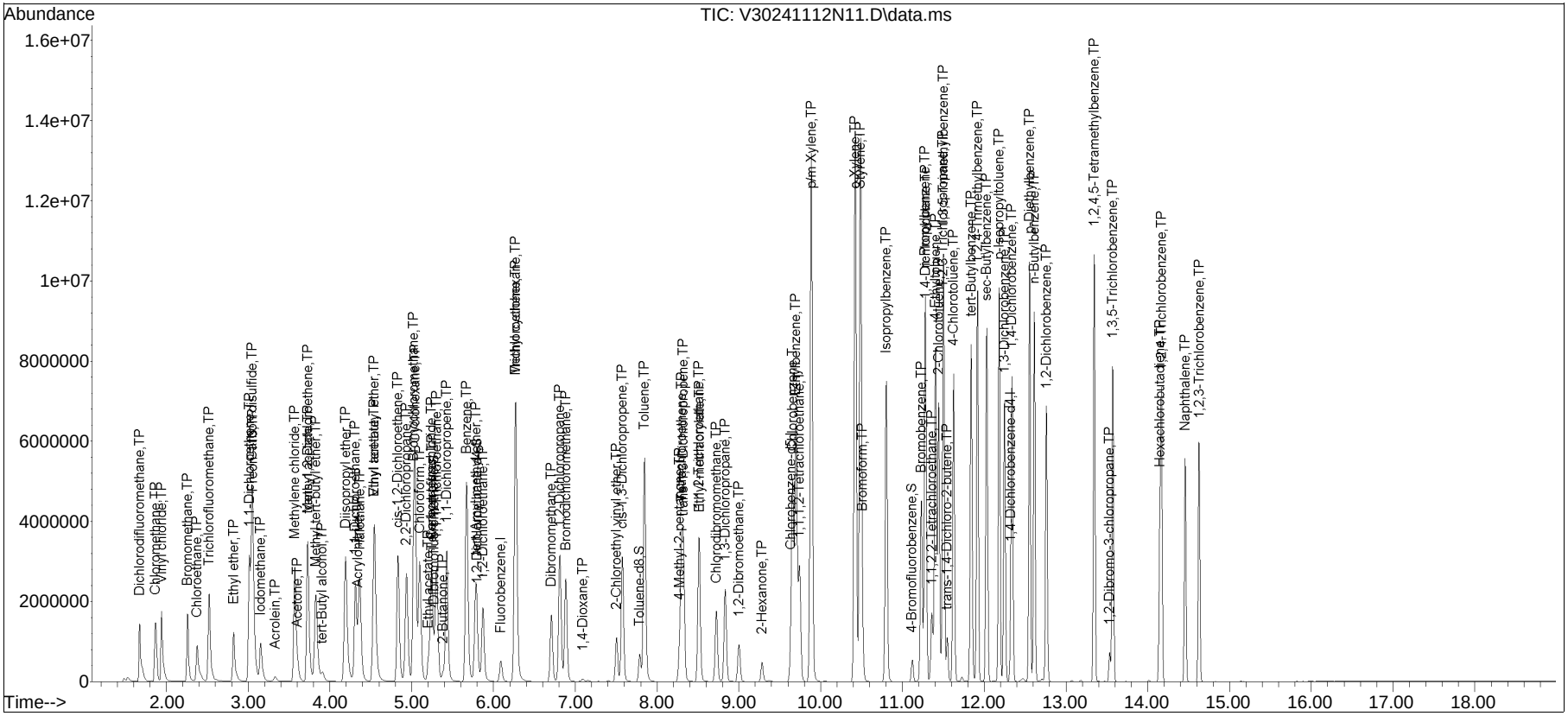
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N11.D
Acq On : 12 Nov 2024 06:30 pm
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1996978,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 13 12:30:21 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

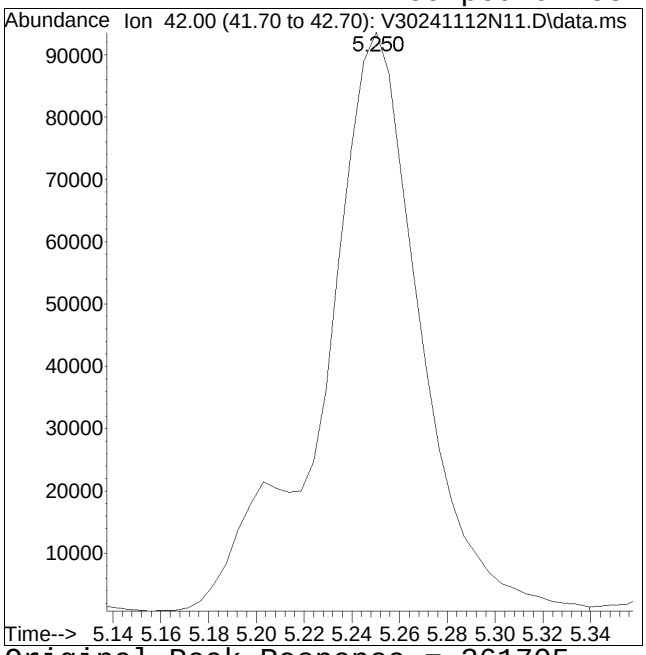
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



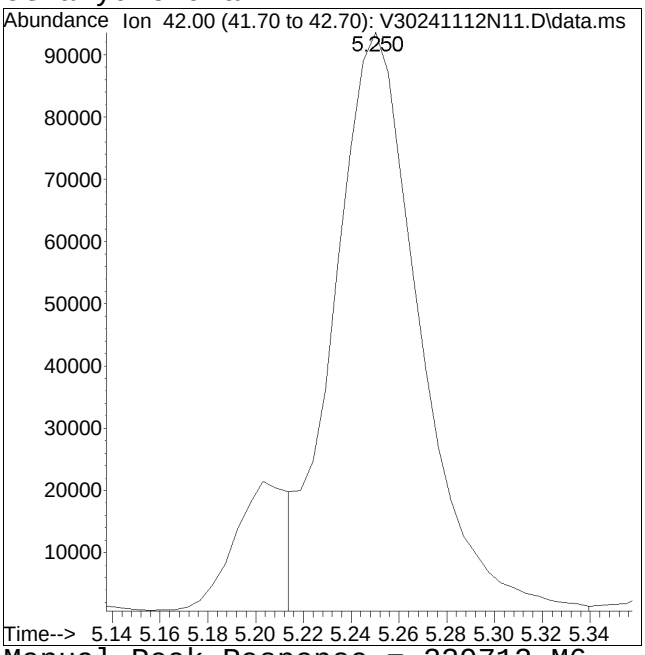
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N11.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:30 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 11/13/2024 12:30 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 261705



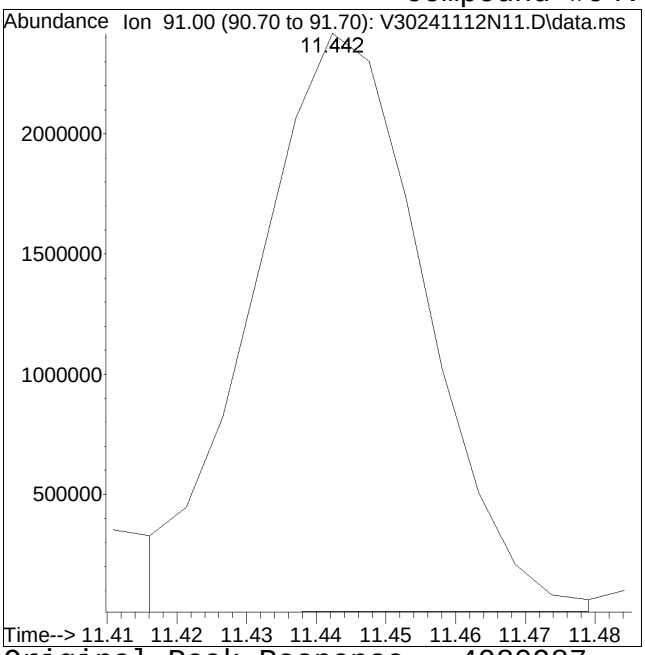
Manual Peak Response = 229712 M6

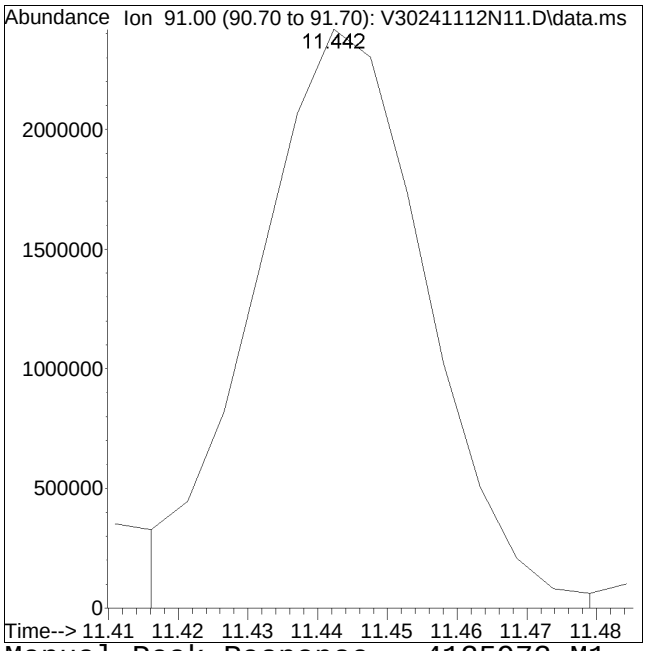
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N11.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:30 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 11/13/2024 12:30 pm

Compound #94: 2-Chlorotoluene



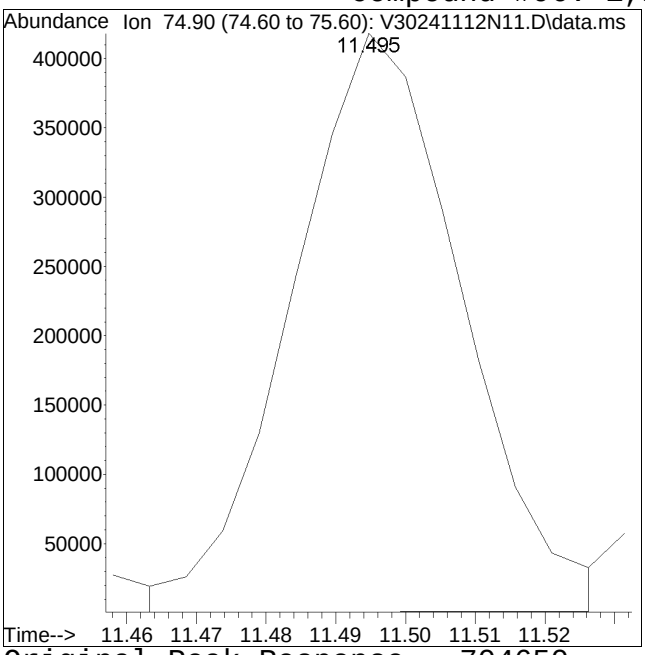


Original Peak Response = 4080987 Manual Peak Response = 4125972 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

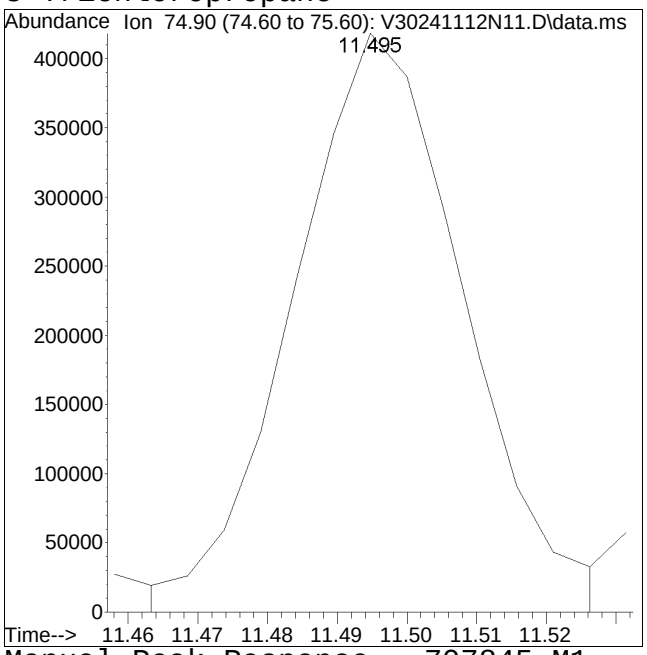
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N11.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:30 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 11/13/2024 12:30 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 704650



Manual Peak Response = 707845 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N12.D
Acq On : 12 Nov 2024 06:51 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1996978,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 12:30:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	574120	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 126.84%			
63) Chlorobenzene-d5	9.633	117	408717	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 114.05%			
84) 1,4-Dichlorobenzene-d4	12.328	152	251468	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 113.27%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	173038	8.784	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.84%			
47) 1,2-Dichloroethane-d4	5.801	65	189066	9.483	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.83%			
64) Toluene-d8	7.788	98	536265	9.796	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.96%			
88) 4-Bromofluorobenzene	11.117	95	209828	9.649	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.49%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	2202291	163.014	ug/L	96
3) Chloromethane	1.863	50	2555221	157.329	ug/L	97
4) Vinyl chloride	1.942	62	2593578	161.035	ug/L	100
5) Bromomethane	2.256	94	1431255	163.103	ug/L	98
6) Chloroethane	2.372	64	1538218	156.104	ug/L	99
7) Trichlorofluoromethane	2.518	101	2932951	163.148	ug/L	98
8) Ethyl ether	2.823	74	912017	195.350	ug/L	88
10) 1,1-Dichloroethene	3.017	96	1949246	168.594	ug/L	79
11) Carbon disulfide	3.048	76	5647827	162.454	ug/L	99
12) Freon-113	3.058	101	1944029	177.890	ug/L	88
13) Iodomethane	3.153	142	1876601	198.472	ug/L	98
14) Acrolein	3.331	56	203323	184.590	ug/L	98
15) Methylene chloride	3.572	84	2272176	159.685	ug/L	84
17) Acetone	3.604	43	373211	133.574	ug/L #	88
18) trans-1,2-Dichloroethene	3.730	96	2082615	168.075	ug/L	86
19) Methyl acetate	3.730	43	984667	167.177	ug/L #	88
21) Methyl tert-butyl ether	3.829	73	4626720	232.728	ug/L	91
22) tert-Butyl alcohol	3.913	59	450119	1088.978	ug/L #	85
24) Diisopropyl ether	4.191	45	5626174	197.704	ug/L	94
25) 1,1-Dichloroethane	4.312	63	4104358	159.683	ug/L	97
26) Halothane	4.364	117	1590271	190.485	ug/L	98

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N12.D
Acq On : 12 Nov 2024 06:51 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1996978,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 12:30:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.343	53	491986	176.878	ug/L		93
28) Ethyl tert-butyl ether	4.542	59	5281663	222.512	ug/L		93
29) Vinyl acetate	4.542	43	4043561	218.209	ug/L	#	92
30) cis-1,2-Dichloroethene	4.831	96	2347846	166.111	ug/L		86
31) 2,2-Dichloropropane	4.936	77	3102023	181.752	ug/L		84
33) Bromochloromethane	5.025	128	1061676	165.980	ug/L	#	66
34) Cyclohexane	5.040	56	3814434	201.872	ug/L		89
35) Chloroform	5.098	83	3822851	160.549	ug/L		94
36) Ethyl acetate	5.203	43	1315710	208.695	ug/L	#	97
37) Carbon tetrachloride	5.240	117	2902457	214.767	ug/L		97
38) Tetrahydrofuran	5.250	42	393647M6	197.973	ug/L		
40) 1,1,1-Trichloroethane	5.303	97	3268273	191.257	ug/L		93
42) 2-Butanone	5.381	43	568861	210.934	ug/L		98
43) 1,1-Dichloropropene	5.428	75	2961484	212.006	ug/L		95
45) Benzene	5.670	78	7984381	191.301	ug/L		97
46) tert-Amyl methyl ether	5.785	73	3971835	211.309	ug/L		96
48) 1,2-Dichloroethane	5.869	62	2622036	176.639	ug/L	#	97
51) Methyl cyclohexane	6.267	83	3034656	203.608	ug/L		88
52) Trichloroethene	6.273	95	2158124	210.835	ug/L		94
54) Dibromomethane	6.708	93	1200566	179.347	ug/L	#	90
55) 1,2-Dichloropropane	6.813	63	2286639	209.079	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	949285	209.208	ug/L	#	84
58) Bromodichloromethane	6.886	83	3022786	202.110	ug/L	#	98
61) 1,4-Dioxane	7.090	88	92453	1731.826	ug/L	#	93
62) cis-1,3-Dichloropropene	7.578	75	3373439	227.500	ug/L	#	84
65) Toluene	7.845	92	4381978	180.244	ug/L		95
66) 4-Methyl-2-pentanone	8.275	58	378749	206.848	ug/L	#	78
67) Tetrachloroethene	8.302	166	1685905	190.671	ug/L		93
69) trans-1,3-Dichloropropene	8.323	75	2677088	246.482	ug/L	#	77
71) Ethyl methacrylate	8.517	69	1456356	197.348	ug/L	#	71
72) 1,1,2-Trichloroethane	8.511	83	1248418	225.041	ug/L		97
73) Chlorodibromomethane	8.726	129	1865303	242.072	ug/L		98
74) 1,3-Dichloropropane	8.831	76	2670406	221.090	ug/L		100
75) 1,2-Dibromoethane	8.999	107	1309363	226.160	ug/L		100
77) 2-Hexanone	9.282	43	644908	192.799	ug/L		92
78) Chlorobenzene	9.654	112	4686534	180.260	ug/L		91
79) Ethylbenzene	9.696	91	8401921	175.284	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.743	131	1576787	224.192	ug/L		99
81) p/m Xylene	9.885	106	6788845	354.170	ug/L		85
82) o Xylene	10.425	106	6498988	351.132	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N12.D
Acq On : 12 Nov 2024 06:51 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1996978,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 12:30:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.488	104	10533920	347.358	ug/L		98
85) Bromoform	10.509	173	958442	236.529	ug/L		98
87) Isopropylbenzene	10.803	105	8269196	180.481	ug/L		95
89) Bromobenzene	11.233	156	2056552	184.142	ug/L		99
90) n-Propylbenzene	11.280	91	10044526	174.486	ug/L		92
91) 1,4-Dichlorobutane	11.285	55	1939920	189.447	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.358	83	1487526	204.034	ug/L		99
93) 4-Ethyltoluene	11.406	105	8611012	180.575	ug/L		95
94) 2-Chlorotoluene	11.442	91	6134765M1	175.721	ug/L		
95) 1,3,5-Trimethylbenzene	11.505	105	7683976	184.375	ug/L		93
96) 1,2,3-Trichloropropane	11.495	75	1177169	196.614	ug/L		88
97) trans-1,4-Dichloro-2-b...	11.547	53	386949	213.309	ug/L		87
98) 4-Chlorotoluene	11.626	91	6557606	177.697	ug/L		92
99) tert-Butylbenzene	11.841	119	6201111	183.314	ug/L		94
102) 1,2,4-Trimethylbenzene	11.919	105	7648437	188.909	ug/L		93
103) sec-Butylbenzene	12.029	105	8882230	179.917	ug/L		90
104) p-Isopropyltoluene	12.187	119	7915878	185.802	ug/L		96
105) 1,3-Dichlorobenzene	12.250	146	4253073	182.340	ug/L		97
106) 1,4-Dichlorobenzene	12.339	146	4322457	181.475	ug/L		97
107) p-Diethylbenzene	12.554	119	4945163	197.321	ug/L		96
108) n-Butylbenzene	12.611	91	6997675	188.487	ug/L	#	94
109) 1,2-Dichlorobenzene	12.763	146	4044981	183.640	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.345	119	7446720	210.449	ug/L		93
111) 1,2-Dibromo-3-chloropr...	13.534	155	245027	200.306	ug/L		96
112) 1,3,5-Trichlorobenzene	13.576	180	3267410	201.680	ug/L		96
113) Hexachlorobutadiene	14.148	225	1072875	194.377	ug/L		100
114) 1,2,4-Trichlorobenzene	14.169	180	2905201	201.995	ug/L		99
115) Naphthalene	14.457	128	5844508	196.105	ug/L		100
116) 1,2,3-Trichlorobenzene	14.630	180	2617423	193.946	ug/L		98

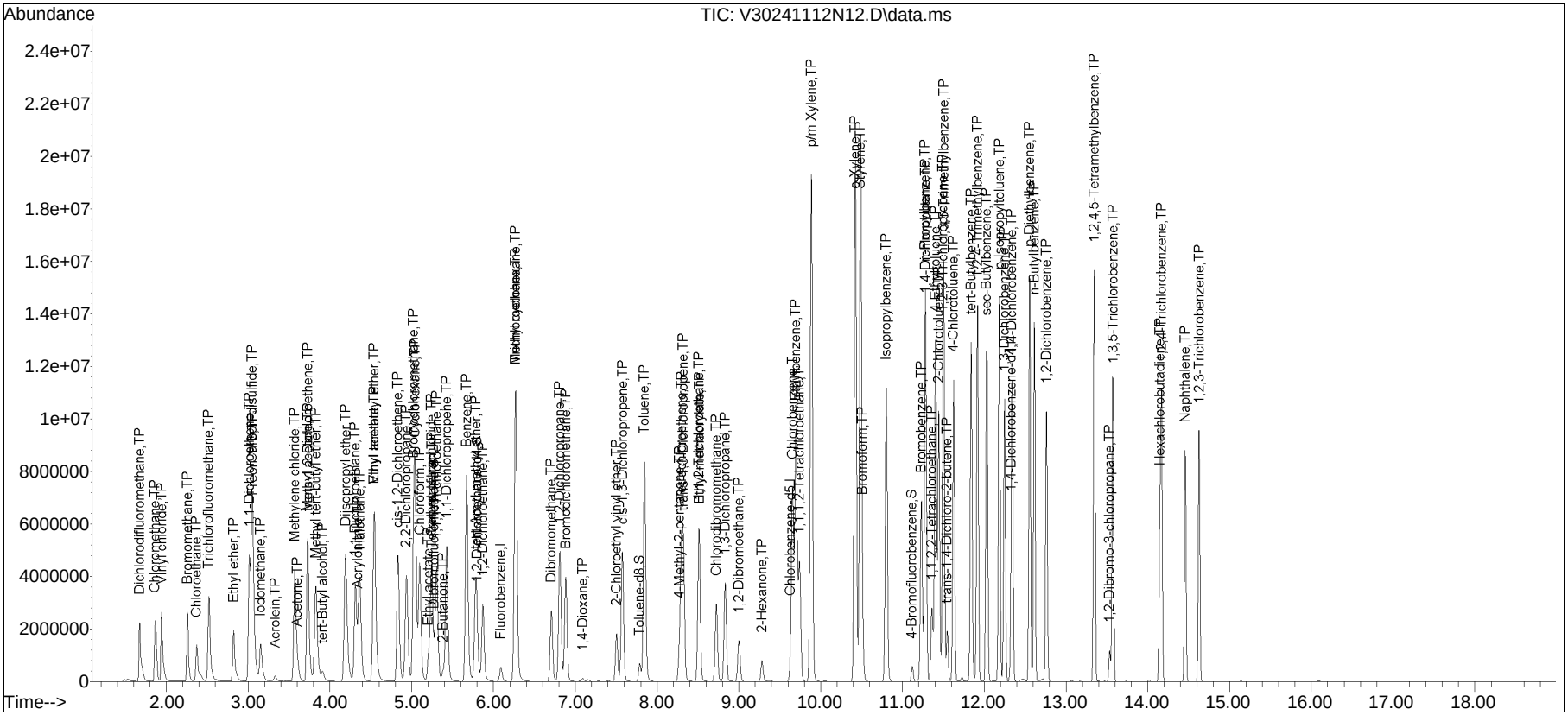
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N12.D
Acq On : 12 Nov 2024 06:51 pm
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1996978,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 12:30:29 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 12:28:18 2024
Response via : Initial Calibration

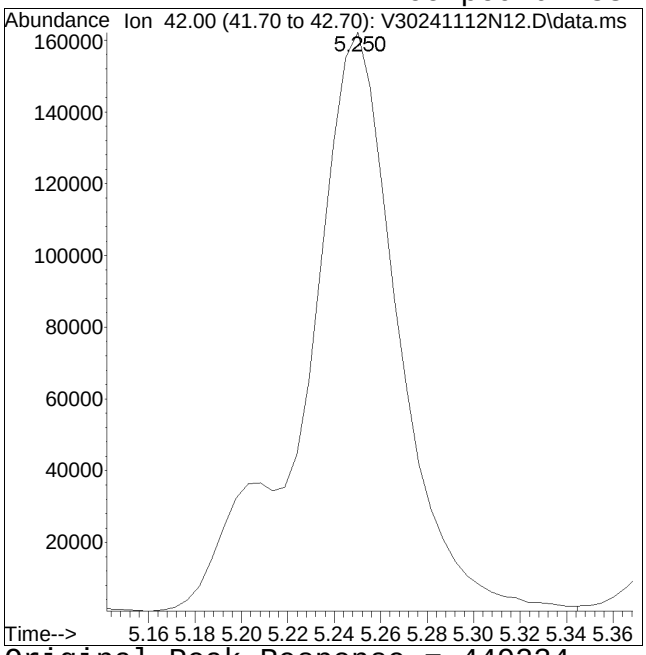
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



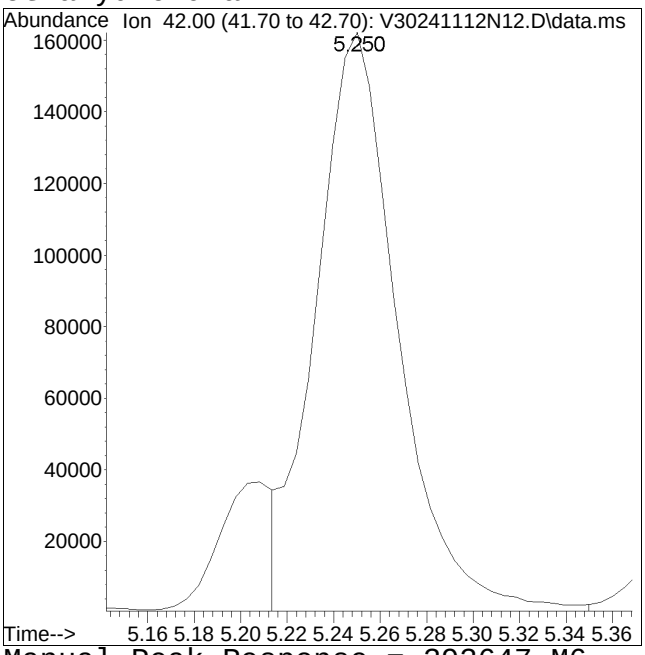
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N12.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:51 pm Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 11/13/2024 12:30 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 449234



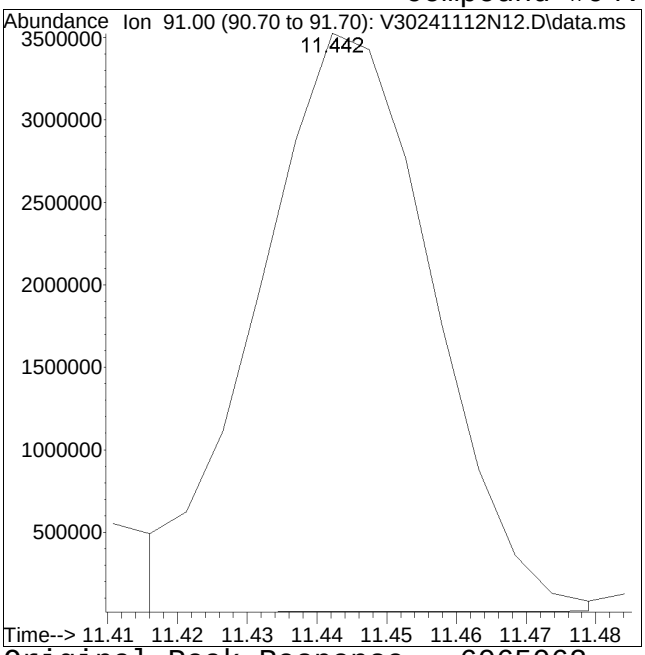
Manual Peak Response = 393647 M6

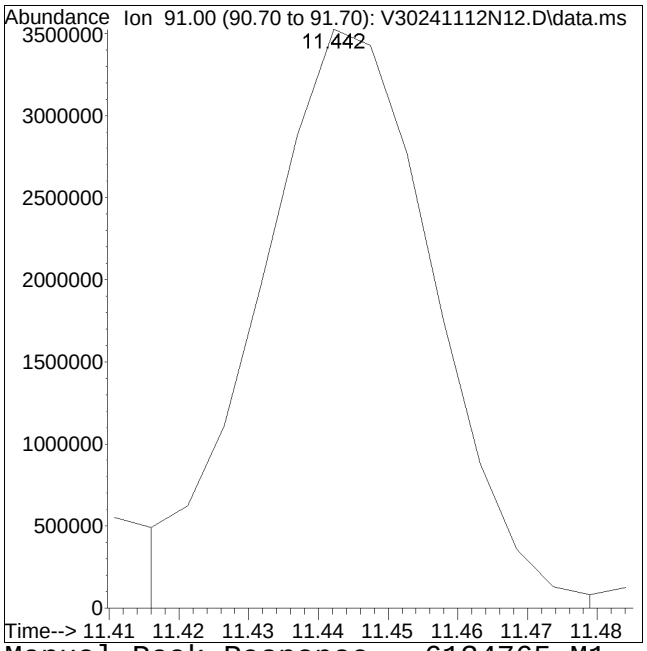
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N12.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 6:51 pm Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 11/13/2024 12:30 pm

Compound #94: 2-Chlorotoluene





Original Peak Response = 6065062 Manual Peak Response = 6134765 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 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	102	0.00
2	TP	Dichlorodifluoromethane	0.242	0.234	3.3	95	0.00
3	TP	Chloromethane	0.295	0.346	-17.3	115	0.00
4	TP	Vinyl chloride	0.290	0.310	-6.9	106	0.00
5	TP	Bromomethane	0.157	0.178	-13.4	113	0.00
6	TP	Chloroethane	0.177	0.192	-8.5	107	0.00
7	TP	Trichlorofluoromethane	0.324	0.353	-9.0	107	0.00
8	TP	Ethyl ether	0.083	0.105	-26.5#	132	0.00
10	TP	1,1-Dichloroethene	0.208	0.210	-1.0	99	0.00
11	TP	Carbon disulfide	0.627	0.693	-10.5	111	0.00
12	TP	Freon-113	0.198	0.218	-10.1	109	0.00
13	TP	Iodomethane	0.168	0.247	-47.0#	157	0.00
14	TP	Acrolein	0.019	0.028	-47.4#	143	0.00
15	TP	Methylene chloride	0.257	0.265	-3.1	102	0.00
17	TP	Acetone	* 10.000	12.245	-22.4#	112	0.00
18	TP	trans-1,2-Dichloroethene	0.224	0.241	-7.6	108	0.00
19	TP	Methyl acetate	0.094	0.103	-9.6	109	0.00
21	TP	Methyl tert-butyl ether	* 10.000	8.678	13.2	107	0.00
22	TP	tert-Butyl alcohol	0.00734	0.00757#	-3.1	108	0.00
24	TP	Diisopropyl ether	0.509	0.530	-4.1	106	0.00
25	TP	1,1-Dichloroethane	0.465	0.500	-7.5	105	0.00
26	TP	Halothane	0.149	0.159	-6.7	111	0.00
27	TP	Acrylonitrile	0.048	0.058	-20.8#	114	0.00
28	TP	Ethyl tert-butyl ether	0.420	0.419	0.2	107	0.00
29	TP	Vinyl acetate	0.327	0.280	14.4	101	0.00
30	TP	cis-1,2-Dichloroethene	0.254	0.269	-5.9	106	0.00
31	TP	2,2-Dichloropropane	0.307	0.303	1.3	100	0.00
33	TP	Bromochloromethane	0.114	0.121	-6.1	104	0.00
34	TP	Cyclohexane	0.338	0.326	3.6	108	0.00
35	TP	Chloroform	0.428	0.461	-7.7	106	0.00
36	TP	Ethyl acetate	0.111	0.107	3.6	109	0.00
37	TP	Carbon tetrachloride	0.251	0.240	4.4	106	0.00
38	TP	Tetrahydrofuran	0.035	0.042	-20.0	126	0.00
39	S	Dibromofluoromethane	0.344	0.347	-0.9	101	0.00
40	TP	1,1,1-Trichloroethane	0.306	0.319	-4.2	107	0.00
42	TP	2-Butanone	0.047	0.045	4.3	110	0.00
43	TP	1,1-Dichloropropene	0.249	0.231	7.2	110	0.00
45	TP	Benzene	0.746	0.750	-0.5	104	0.00
46	TP	tert-Amyl methyl ether	0.332	0.329	0.9	103	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 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	S	1,2-Dichloroethane-d4	0.344	0.348	-1.2	97	0.00
48	TP	1,2-Dichloroethane	0.263	0.277	-5.3	106	0.00
51	TP	Methyl cyclohexane	0.265	0.263	0.8	104	0.00
52	TP	Trichloroethene	0.182	0.173#	4.9	105	0.00
54	TP	Dibromomethane	0.120	0.125	-4.2	105	0.00
55	TP	1,2-Dichloropropane	0.196	0.182#	7.1	106	0.00
57	TP	2-Chloroethyl vinyl ether	0.080	0.088	-10.0	107	0.00
58	TP	Bromodichloromethane	0.266	0.250#	6.0	105	0.00
61	TP	1,4-Dioxane	0.00096	0.00094#	2.1	101	0.00
62	TP	cis-1,3-Dichloropropene	0.273	0.241#	11.7	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	S	Toluene-d8	1.341	1.350	-0.7	101	0.00
65	TP	Toluene	0.611	0.645	-5.6	106	0.00
66	TP	4-Methyl-2-pentanone	0.045	0.047	-4.4	111	0.00
67	TP	Tetrachloroethene	0.222	0.229	-3.2	106	0.00
69	TP	trans-1,3-Dichloropropene	* 10.000	8.920	10.8	104	0.00
71	TP	Ethyl methacrylate	0.181	0.211	-16.6	118	0.00
72	TP	1,1,2-Trichloroethane	0.136	0.131#	3.7	105	0.00
73	TP	Chlorodibromomethane	* 10.000	9.054	9.5	107	0.00
74	TP	1,3-Dichloropropane	0.299	0.285	4.7	104	0.00
75	TP	1,2-Dibromoethane	0.144	0.137#	4.9	102	0.00
77	TP	2-Hexanone	0.082	0.085	-3.7	109	0.00
78	T	Chlorobenzene	0.651	0.689	-5.8	107	0.00
79	TP	Ethylbenzene	1.202	1.281	-6.6	105	0.00
80	T	1,1,1,2-Tetrachloroethane	0.175	0.168	4.0	107	0.00
81	TP	p/m Xylene	0.484	0.520	-7.4	106	0.00
82	TP	o Xylene	0.465	0.505	-8.6	106	0.00
83	TP	Styrene	0.765	0.844	-10.3	106	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
85	TP	Bromoform	* 10.000	9.060	9.4	106	0.00
87	TP	Isopropylbenzene	1.865	1.995	-7.0	105	0.00
88	S	4-Bromofluorobenzene	0.864	0.885	-2.4	103	0.00
89	TP	Bromobenzene	0.451	0.488	-8.2	108	0.00
90	TP	n-Propylbenzene	2.346	2.566	-9.4	106	0.00
91	TP	1,4-Dichlorobutane	0.410	0.471	-14.9	115	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.292	0.285	2.4	101	0.00
93	TP	4-Ethyltoluene	1.945	2.173	-11.7	110	0.00

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 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)
94 TP	2-Chlorotoluene	1.439	1.568	-9.0	108	0.00
95 TP	1,3,5-Trimethylbenzene	1.703	1.807	-6.1	105	0.00
96 TP	1,2,3-Trichloropropane	0.238	0.243	-2.1	104	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.071	0.077	-8.5	111	0.00
98 TP	4-Chlorotoluene	1.502	1.630	-8.5	107	0.00
99 TP	tert-Butylbenzene	1.382	1.471	-6.4	106	0.00
102 TP	1,2,4-Trimethylbenzene	1.652	1.798	-8.8	108	0.00
103 TP	sec-Butylbenzene	2.009	2.155	-7.3	104	0.00
104 TP	p-Isopropyltoluene	1.735	1.861	-7.3	105	0.00
105 TP	1,3-Dichlorobenzene	0.948	1.010	-6.5	106	0.00
106 TP	1,4-Dichlorobenzene	0.969	1.038	-7.1	108	0.00
107 TP	p-Diethylbenzene	1.021	1.020	0.1	102	0.00
108 TP	n-Butylbenzene	1.508	1.664	-10.3	108	0.00
109 TP	1,2-Dichlorobenzene	0.899	0.960	-6.8	107	0.00
110 TP	1,2,4,5-Tetramethylbenzene	1.438	1.392	3.2	111	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.049	0.053	-8.2	108	0.00
112 TP	1,3,5-Trichlorobenzene	0.663	0.650	2.0	106	0.00
113 TP	Hexachlorobutadiene	0.227	0.229	-0.9	104	0.00
114 TP	1,2,4-Trichlorobenzene	0.588	0.601	-2.2	108	0.00
115 TP	Naphthalene	1.202	1.270	-5.7	107	0.00
116 TP	1,2,3-Trichlorobenzene	0.548	0.574	-4.7	108	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	461344	10.000	ug/L	0.00
Standard Area 1 = 452641			Recovery = 101.92%			
63) Chlorobenzene-d5	9.639	117	368651	10.000	ug/L	0.00
Standard Area 1 = 358354			Recovery = 102.87%			
84) 1,4-Dichlorobenzene-d4	12.323	152	225443	10.000	ug/L	0.00
Standard Area 1 = 222013			Recovery = 101.54%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	160028	10.091	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.91%			
47) 1,2-Dichloroethane-d4	5.801	65	160562	10.111	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.11%			
64) Toluene-d8	7.788	98	497714	10.064	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.64%			
88) 4-Bromofluorobenzene	11.117	95	199551	10.249	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.49%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	107862	9.679	ug/L	96
3) Chloromethane	1.868	50	159794	11.757	ug/L	98
4) Vinyl chloride	1.942	62	143092	10.714	ug/L	99
5) Bromomethane	2.262	94	82200	11.342	ug/L	96
6) Chloroethane	2.382	64	88686	10.844	ug/L	100
7) Trichlorofluoromethane	2.524	101	162632	10.867	ug/L	98
8) Ethyl ether	2.823	74	48533	12.654	ug/L	89
10) 1,1-Dichloroethene	3.017	96	96920	10.088	ug/L	79
11) Carbon disulfide	3.048	76	319783	11.057	ug/L	100
12) Freon-113	3.059	101	100513	11.023	ug/L	88
13) Iodomethane	3.153	142	114163	14.701	ug/L	97
14) Acrolein	3.331	56	12980	14.499	ug/L	99
15) Methylene chloride	3.572	84	122128	10.300	ug/L	85
17) Acetone	3.604	43	21608	12.245	ug/L	93
18) trans-1,2-Dichloroethene	3.730	96	111400	10.796	ug/L	88
19) Methyl acetate	3.730	43	47640	11.037	ug/L #	87
21) Methyl tert-butyl ether	3.829	73	140096	8.678	ug/L	92
22) tert-Butyl alcohol	3.908	59	17462	51.536	ug/L #	83
24) Diisopropyl ether	4.191	45	244417	10.404	ug/L	96
25) 1,1-Dichloroethane	4.312	63	230495	10.733	ug/L	98
26) Halothane	4.364	117	73157	10.614	ug/L	99

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.343	53	26621	12.067	ug/L		94
28) Ethyl tert-butyl ether	4.542	59	193221	9.973	ug/L		88
29) Vinyl acetate	4.548	43	129205	8.553	ug/L	#	94
30) cis-1,2-Dichloroethene	4.831	96	124026	10.571	ug/L		87
31) 2,2-Dichloropropane	4.941	77	139671	9.875	ug/L		87
33) Bromochloromethane	5.025	128	56011	10.646	ug/L	#	68
34) Cyclohexane	5.041	56	150309	9.632	ug/L		88
35) Chloroform	5.098	83	212676	10.765	ug/L		94
36) Ethyl acetate	5.208	43	49360	9.654	ug/L	#	96
37) Carbon tetrachloride	5.245	117	110685	9.554	ug/L		99
38) Tetrahydrofuran	5.250	42	19212M6	11.943	ug/L		
40) 1,1,1-Trichloroethane	5.308	97	147014	10.406	ug/L		94
42) 2-Butanone	5.387	43	20916	9.652	ug/L		91
43) 1,1-Dichloropropene	5.429	75	106589	9.288	ug/L		96
45) Benzene	5.670	78	346192	10.058	ug/L		97
46) tert-Amyl methyl ether	5.785	73	151660	9.893	ug/L		96
48) 1,2-Dichloroethane	5.869	62	127867	10.527	ug/L	#	98
51) Methyl cyclohexane	6.273	83	121448	9.925	ug/L		90
52) Trichloroethene	6.273	95	79654	9.498	ug/L		95
54) Dibromomethane	6.708	93	57455	10.413	ug/L	#	90
55) 1,2-Dichloropropane	6.813	63	84195	9.308	ug/L		98
57) 2-Chloroethyl vinyl ether	7.505	63	40481	10.929	ug/L	#	85
58) Bromodichloromethane	6.886	83	115442	9.401	ug/L	#	99
61) 1,4-Dioxane	7.091	88	21789	491.285	ug/L		95
62) cis-1,3-Dichloropropene	7.578	75	111102	8.837	ug/L	#	86
65) Toluene	7.846	92	237641	10.553	ug/L		98
66) 4-Methyl-2-pentanone	8.276	58	17332	10.494	ug/L	#	84
67) Tetrachloroethene	8.302	166	84302	10.319	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	93936	8.920	ug/L	#	80
71) Ethyl methacrylate	8.517	69	77615	11.600	ug/L		91
72) 1,1,2-Trichloroethane	8.511	83	48362	9.646	ug/L		99
73) Chlorodibromomethane	8.726	129	62846	9.054	ug/L		97
74) 1,3-Dichloropropane	8.837	76	104888	9.504	ug/L		100
75) 1,2-Dibromoethane	9.004	107	50399	9.462	ug/L		99
77) 2-Hexanone	9.287	43	31510	10.402	ug/L		94
78) Chlorobenzene	9.654	112	254013	10.578	ug/L		90
79) Ethylbenzene	9.696	91	472403	10.662	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.738	131	62101	9.610	ug/L		98
81) p/m Xylene	9.885	106	383151	21.495	ug/L		95
82) o Xylene	10.420	106	372347	21.711	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241112NICAL\V30241112N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.488	104	622376	22.081	ug/L	95
85) Bromoform	10.509	173	35841	9.060	ug/L	97
87) Isopropylbenzene	10.803	105	449811	10.698	ug/L	98
89) Bromobenzene	11.233	156	109990	10.819	ug/L	98
90) n-Propylbenzene	11.280	91	578443	10.936	ug/L	96
91) 1,4-Dichlorobutane	11.285	55	106119	11.492	ug/L	98
92) 1,1,2,2-Tetrachloroethane	11.358	83	64252	9.754	ug/L	99
93) 4-Ethyltoluene	11.406	105	489936	11.172	ug/L	99
94) 2-Chlorotoluene	11.442	91	353598M4	10.897	ug/L	
95) 1,3,5-Trimethylbenzene	11.500	105	407478	10.612	ug/L	98
96) 1,2,3-Trichloropropane	11.495	75	54871M4	10.215	ug/L	
97) trans-1,4-Dichloro-2-b...	11.547	53	17319	10.829	ug/L	93
98) 4-Chlorotoluene	11.626	91	367584	10.857	ug/L	95
99) tert-Butylbenzene	11.841	119	331720	10.648	ug/L	94
102) 1,2,4-Trimethylbenzene	11.920	105	405381	10.883	ug/L	98
103) sec-Butylbenzene	12.030	105	485731	10.726	ug/L	95
104) p-Isopropyltoluene	12.182	119	419641	10.731	ug/L	97
105) 1,3-Dichlorobenzene	12.250	146	227653	10.649	ug/L	98
106) 1,4-Dichlorobenzene	12.339	146	233976	10.707	ug/L	98
107) p-Diethylbenzene	12.554	119	230057	9.999	ug/L	96
108) n-Butylbenzene	12.612	91	375082	11.032	ug/L	98
109) 1,2-Dichlorobenzene	12.764	146	216468	10.681	ug/L	98
110) 1,2,4,5-Tetramethylben...	13.346	119	313711	9.678	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.534	155	11988	10.918	ug/L	98
112) 1,3,5-Trichlorobenzene	13.571	180	146490	9.796	ug/L	96
113) Hexachlorobutadiene	14.148	225	51682	10.115	ug/L	99
114) 1,2,4-Trichlorobenzene	14.169	180	135423	10.216	ug/L	98
115) Naphthalene	14.457	128	286309	10.568	ug/L	100
116) 1,2,3-Trichlorobenzene	14.630	180	129516	10.490	ug/L	98

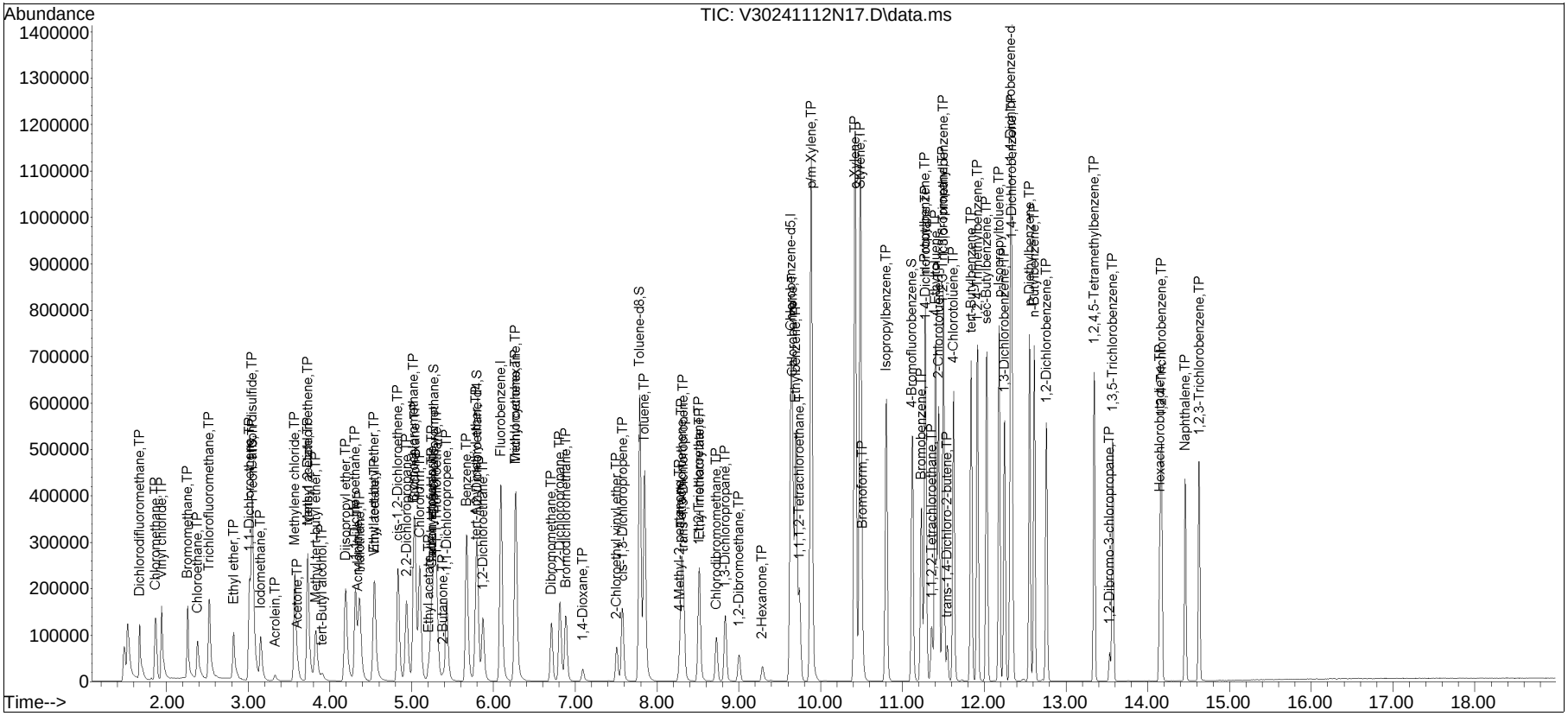
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241112NICAL\
Data File : V30241112N17.D
Acq On : 12 Nov 2024 08:40 pm
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1996978,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 13:46:30 2024
Quant Method : K:\VOA130\2024\241112NICAL\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

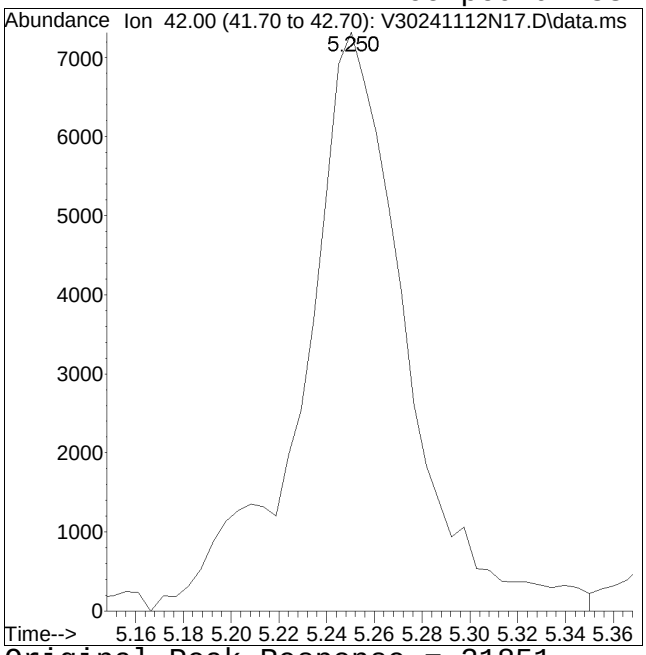
Sub List : 8260-Curve - Megamix plus Diox\V30241112N08.D•



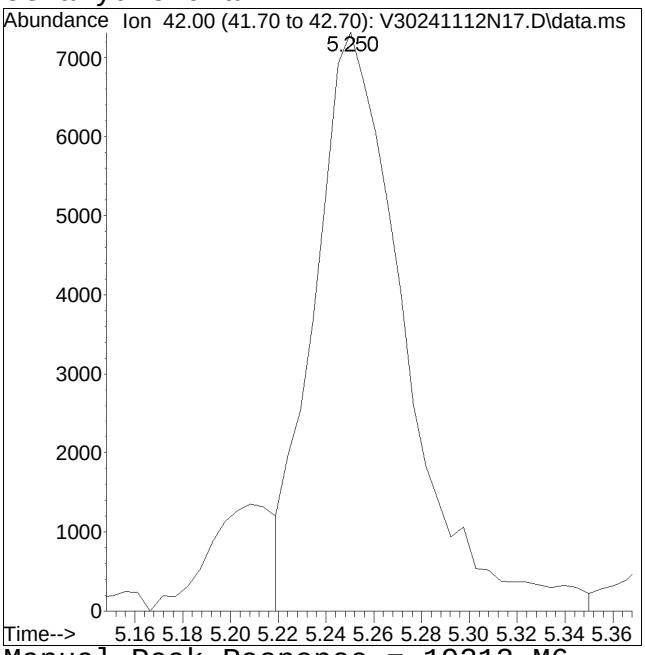
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N17.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 8:40 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 11/13/2024 1:46 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 21851



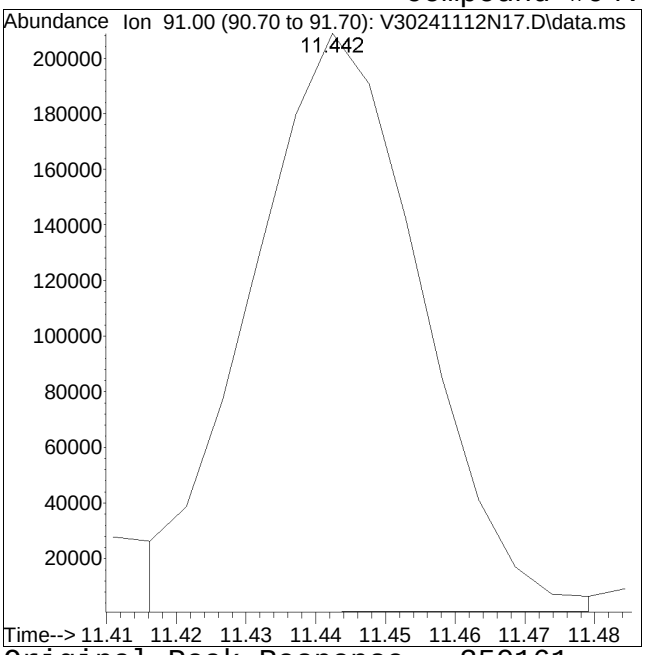
Manual Peak Response = 19212 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

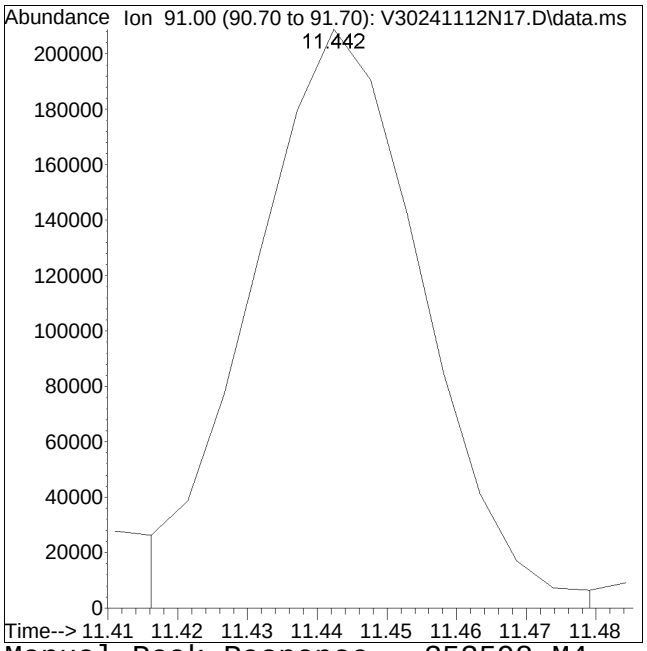
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N17.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 8:40 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 11/13/2024 1:46 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 350161



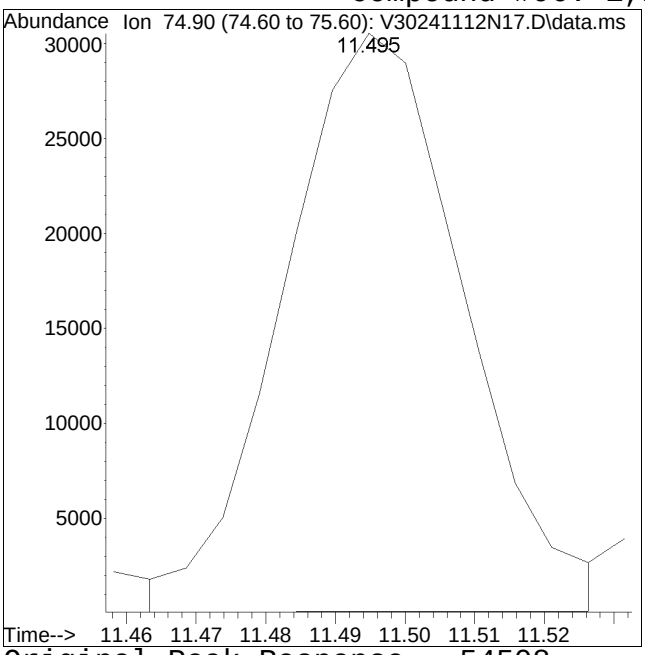
Manual Peak Response = 353598 M4

M4 = Poor automated baseline construction.

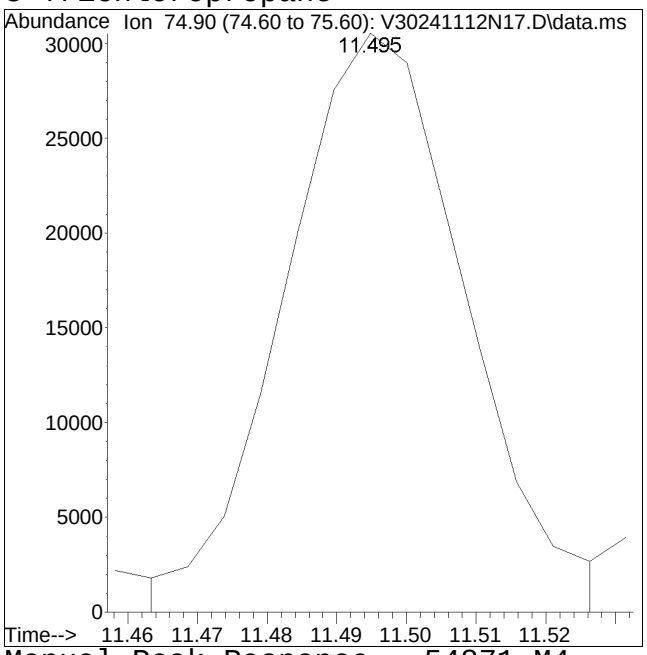
Manual Integration Report

Data Path : K:\VOA130\2024\241112NICALQMethod : V130_241112N_8260D.m
Data File : V30241112N17.D Operator : VOA130:PID
Date Inj'd : 11/12/2024 8:40 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 11/13/2024 1:46 pm

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 54508



Manual Peak Response = 54871 M4

M4 = Poor automated baseline construction.

Evaluate Relative Error Report VOA130

Method Path : K:\VOA130\2024\241112NICAL\
Method File : V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 12:42:51 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
17	TP Acetone	L	ug/L	10.0	10.928	9.3	2.00	1.642	-17.9
21	TP Methyl tert-butyl ether	Q	ug/L	10.0	8.261	-17.4	0.50	0.638	27.6
69	TP trans-1,3-Dichloropropene	Q	ug/L	10.0	8.844	-11.6	0.50	0.620	24.0
73	TP Chlorodibromomethane	Q	ug/L	10.0	8.738	-12.6	0.50	0.619	23.8
85	TP Bromoform	Q	ug/L	10.0	8.677	-13.2	0.50	0.633	26.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
17	TP Acetone	Linear	0.998562	0.000000	0.033041	0.00637989
21	TP Methyl tert-butyl ether	Quadratic	0.997528	0.006598	0.355285	-0.00963119
69	TP trans-1,3-Dichloropropene	Quadratic	0.998327	0.005494	0.29045	-0.00863939
73	TP Chlorodibromomethane	Quadratic	0.998369	0.004453	0.190027	-0.00521482
85	TP Bromoform	Quadratic	0.999240	0.000528	0.18194	-0.00629669

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: VOA130	**Calibration Date**	: 11/24/24 09:12		
Lab File ID	: V30241124A02	**Init. Calib. Date(s)**	: 11/12/24	11/12/24	
Sample No	: WG2001917-2	**Init. Calib. Times**	: 15:35	18:51	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	94	0
Dichlorodifluoromethane	0.242	0.289	-	-19.4	20	109	0
Chloromethane	0.295	0.299	-	-1.4	20	91	0
Vinyl chloride	0.29	0.302	-	-4.1	20	95	0
Bromomethane	0.157	0.116	-	26.1*	20	68	0
Chloroethane	0.177	0.187	-	-5.6	20	96	0
Trichlorofluoromethane	0.324	0.324	-	0	20	90	0
1,1-Dichloroethene	0.208	0.207	-	0.5	20	90	0
Carbon disulfide	0.627	0.635	-	-1.3	20	93	0
Freon-113	0.198	0.191	-	3.5	20	88	0
Methylene chloride	0.257	0.26	-	-1.2	20	92	0
Acetone	10	11.248	-	-12.5	20	96	0
trans-1,2-Dichloroethene	0.224	0.218	-	2.7	20	90	0
Methyl acetate	0.094	0.095	-	-1.1	20	92	0
Methyl tert-butyl ether	10	6.998	-	30*	20	79	0
1,1-Dichloroethane	0.465	0.471	-	-1.3	20	91	0
cis-1,2-Dichloroethene	0.254	0.25	-	1.6	20	91	0
Bromochloromethane	0.114	0.114	-	0	20	90	0
Cyclohexane	0.338	0.26	-	23.1*	20	79	0
Chloroform	0.428	0.443	-	-3.5	20	94	0
Carbon tetrachloride	0.251	0.207	-	17.5	20	84	0
Dibromofluoromethane	0.344	0.371	-	-7.8	20	100	0
1,1,1-Trichloroethane	0.306	0.276	-	9.8	20	86	0
2-Butanone	0.047	0.041	-	12.8	20	92	.01
Benzene	0.746	0.662	-	11.3	20	85	0
1,2-Dichloroethane-d4	0.344	0.38	-	-10.5	20	98	0
1,2-Dichloroethane	0.263	0.253	-	3.8	20	89	0
Methyl cyclohexane	0.265	0.214	-	19.2	20	78	0
Trichloroethene	0.182	0.145*	-	20.3*	20	82	0
1,2-Dichloropropane	0.196	0.154*	-	21.4*	20	83	0
Bromodichloromethane	0.266	0.224*	-	15.8	20	86	0
1,4-Dioxane	0.00096	0.0012*	-	-25*	20	118	0
cis-1,3-Dichloropropene	0.273	0.209*	-	23.4*	20	83	0
Chlorobenzene-d5	1	1	-	0	20	96	0
Toluene-d8	1.341	1.354	-	-1	20	95	0
Toluene	0.611	0.555	-	9.2	20	86	0
4-Methyl-2-pentanone	0.045	0.037	-	17.8	20	83	0
Tetrachloroethene	0.222	0.199	-	10.4	20	87	0
trans-1,3-Dichloropropene	10	7.884	-	21.2*	20	86	0
1,1,2-Trichloroethane	0.136	0.118*	-	13.2	20	89	0
Chlorodibromomethane	10	7.858	-	21.4*	20	86	0
1,2-Dibromoethane	0.144	0.127*	-	11.8	20	88	0
2-Hexanone	0.082	0.069	-	15.9	20	82	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: VOA130	**Calibration Date**	: 11/24/24 09:12		
Lab File ID	: V30241124A02	**Init. Calib. Date(s)**	: 11/12/24	11/12/24	
Sample No	: WG2001917-2	**Init. Calib. Times**	: 15:35	18:51	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorobenzene	0.651	0.597	-	8.3	20	87	0
Ethylbenzene	1.202	1.088	-	9.5	20	84	0
p/m Xylene	0.484	0.456	-	5.8	20	87	0
o Xylene	0.465	0.435	-	6.5	20	85	0
Styrene	0.765	0.746	-	2.5	20	88	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Bromoform	10	7.802	-	22*	20	92	0
Isopropylbenzene	1.865	1.563	-	16.2	20	83	0
4-Bromofluorobenzene	0.864	0.827	-	4.3	20	97	0
n-Propylbenzene	2.346	2.089	-	11	20	87	0
1,1,2,2-Tetrachloroethane	0.292	0.274	-	6.2	20	99	0
1,3,5-Trimethylbenzene	1.703	1.488	-	12.6	20	88	0
tert-Butylbenzene	1.382	1.149	-	16.9	20	84	0
1,2,4-Trimethylbenzene	1.652	1.454	-	12	20	88	0
sec-Butylbenzene	2.009	1.75	-	12.9	20	86	0
p-Isopropyltoluene	1.735	1.474	-	15	20	84	0
1,3-Dichlorobenzene	0.948	0.863	-	9	20	92	0
1,4-Dichlorobenzene	0.969	0.883	-	8.9	20	93	0
n-Butylbenzene	1.508	1.348	-	10.6	20	89	0
1,2-Dichlorobenzene	0.899	0.829	-	7.8	20	94	0
1,2-Dibromo-3-chloropropan	0.049	0.047	-	4.1	20	96	0
1,2,4-Trichlorobenzene	0.588	0.501	-	14.8	20	91	0
Naphthalene	1.202	1.038	-	13.6	20	88	0
1,2,3-Trichlorobenzene	0.548	0.491	-	10.4	20	94	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A02.D
Acq On : 24 Nov 2024 09:12 am
Operator : VOA130:PID
Sample : WG2001917-2
Misc : WG2001917,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 09:33:39 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 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	94	0.00
2	TP	Dichlorodifluoromethane	0.242	0.289	-19.4	109	0.00
3	TP	Chloromethane	0.295	0.299	-1.4	91	0.00
4	TP	Vinyl chloride	0.290	0.302	-4.1	95	0.00
5	TP	Bromomethane	0.157	0.116	26.1#	68	0.00
6	TP	Chloroethane	0.177	0.187	-5.6	96	0.00
7	TP	Trichlorofluoromethane	0.324	0.324	0.0	90	0.00
10	TP	1,1-Dichloroethene	0.208	0.207	0.5	90	0.00
11	TP	Carbon disulfide	0.627	0.635	-1.3	93	0.00
12	TP	Freon-113	0.198	0.191	3.5	88	0.00
15	TP	Methylene chloride	0.257	0.260	-1.2	92	0.00
17	TP	Acetone	* 10.000	11.248	-12.5	96	0.00
18	TP	trans-1,2-Dichloroethene	0.224	0.218	2.7	90	0.00
19	TP	Methyl acetate	0.094	0.095	-1.1	92	0.00
21	TP	Methyl tert-butyl ether	* 10.000	6.998	30.0#	79	0.00
25	TP	1,1-Dichloroethane	0.465	0.471	-1.3	91	0.00
30	TP	cis-1,2-Dichloroethene	0.254	0.250	1.6	91	0.00
33	TP	Bromochloromethane	0.114	0.114	0.0	90	0.00
34	TP	Cyclohexane	0.338	0.260	23.1#	79	0.00
35	TP	Chloroform	0.428	0.443	-3.5	94	0.00
37	TP	Carbon tetrachloride	0.251	0.207	17.5	84	0.00
39	S	Dibromofluoromethane	0.344	0.371	-7.8	100	0.00
40	TP	1,1,1-Trichloroethane	0.306	0.276	9.8	86	0.00
42	TP	2-Butanone	0.047	0.041	12.8	92	0.01
45	TP	Benzene	0.746	0.662	11.3	85	0.00
47	S	1,2-Dichloroethane-d4	0.344	0.380	-10.5	98	0.00
48	TP	1,2-Dichloroethane	0.263	0.253	3.8	89	0.00
51	TP	Methyl cyclohexane	0.265	0.214	19.2	78	0.00
52	TP	Trichloroethene	0.182	0.145#	20.3#	82	0.00
55	TP	1,2-Dichloropropane	0.196	0.154#	21.4#	83	0.00
58	TP	Bromodichloromethane	0.266	0.224#	15.8	86	0.00
61	TP	1,4-Dioxane	0.00096	0.00120#	-25.0#	118	0.00
62	TP	cis-1,3-Dichloropropene	0.273	0.209#	23.4#	83	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	S	Toluene-d8	1.341	1.354	-1.0	95	0.00
65	TP	Toluene	0.611	0.555	9.2	86	0.00
66	TP	4-Methyl-2-pentanone	0.045	0.037	17.8	83	0.00
67	TP	Tetrachloroethene	0.222	0.199	10.4	87	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A02.D
Acq On : 24 Nov 2024 09:12 am
Operator : VOA130:PID
Sample : WG2001917-2
Misc : WG2001917,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 09:33:39 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 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)
69	TP	trans-1,3-Dichloropropene	*	10.000	7.884	21.2#	86	0.00
72	TP	1,1,2-Trichloroethane		0.136	0.118#	13.2	89	0.00
73	TP	Chlorodibromomethane	*	10.000	7.858	21.4#	86	0.00
75	TP	1,2-Dibromoethane		0.144	0.127#	11.8	88	0.00
77	TP	2-Hexanone		0.082	0.069	15.9	82	0.00
78	T	Chlorobenzene		0.651	0.597	8.3	87	0.00
79	TP	Ethylbenzene		1.202	1.088	9.5	84	0.00
81	TP	p/m Xylene		0.484	0.456	5.8	87	0.00
82	TP	o Xylene		0.465	0.435	6.5	85	0.00
83	TP	Styrene		0.765	0.746	2.5	88	0.00
84	I	1,4-Dichlorobenzene-d4		1.000	1.000	0.0	103	0.00
85	TP	Bromoform	*	10.000	7.802	22.0#	92	0.00
87	TP	Isopropylbenzene		1.865	1.563	16.2	83	0.00
88	S	4-Bromofluorobenzene		0.864	0.827	4.3	97	0.00
90	TP	n-Propylbenzene		2.346	2.089	11.0	87	0.00
92	TP	1,1,2,2-Tetrachloroethane		0.292	0.274	6.2	99	0.00
95	TP	1,3,5-Trimethylbenzene		1.703	1.488	12.6	88	0.00
99	TP	tert-Butylbenzene		1.382	1.149	16.9	84	0.00
102	TP	1,2,4-Trimethylbenzene		1.652	1.454	12.0	88	0.00
103	TP	sec-Butylbenzene		2.009	1.750	12.9	86	0.00
104	TP	p-Isopropyltoluene		1.735	1.474	15.0	84	0.00
105	TP	1,3-Dichlorobenzene		0.948	0.863	9.0	92	0.00
106	TP	1,4-Dichlorobenzene		0.969	0.883	8.9	93	0.00
108	TP	n-Butylbenzene		1.508	1.348	10.6	89	0.00
109	TP	1,2-Dichlorobenzene		0.899	0.829	7.8	94	0.00
111	TP	1,2-Dibromo-3-chloropropane		0.049	0.047	4.1	96	0.00
114	TP	1,2,4-Trichlorobenzene		0.588	0.501	14.8	91	0.00
115	TP	Naphthalene		1.202	1.038	13.6	88	0.00
116	TP	1,2,3-Trichlorobenzene		0.548	0.491	10.4	94	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A02.D
Acq On : 24 Nov 2024 09:12 am
Operator : VOA130:PID
Sample : WG2001917-2
Misc : WG2001917,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 09:33:39 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	425566	10.000	ug/L	0.00
63) Chlorobenzene-d5	9.633	117	345808	10.000	ug/L	0.00
84) 1,4-Dichlorobenzene-d4	12.323	152	228216	10.000	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	157846	10.790	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.90%			
47) 1,2-Dichloroethane-d4	5.801	65	161781	11.044	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.44%			
64) Toluene-d8	7.788	98	468176	10.092	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.92%			
88) 4-Bromofluorobenzene	11.117	95	188732	9.576	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	122802	11.946	ug/L	96
3) Chloromethane	1.868	50	127033	10.132	ug/L	98
4) Vinyl chloride	1.942	62	128398	10.422	ug/L	99
5) Bromomethane	2.256	94	49273	7.370	ug/L	99
6) Chloroethane	2.377	64	79535	10.542	ug/L	99
7) Trichlorofluoromethane	2.524	101	137813	9.983	ug/L	98
10) 1,1-Dichloroethene	3.016	96	88080	9.939	ug/L	80
11) Carbon disulfide	3.043	76	270042	10.122	ug/L	99
12) Freon-113	3.053	101	81182	9.651	ug/L	91
15) Methylene chloride	3.567	84	110609	10.113	ug/L	86
17) Acetone	3.609	43	18531	11.248	ug/L	93
18) trans-1,2-Dichloroethene	3.730	96	92808	9.750	ug/L	87
19) Methyl acetate	3.730	43	40413	10.150	ug/L #	87
21) Methyl tert-butyl ether	3.829	73	103078	6.998	ug/L	95
25) 1,1-Dichloroethane	4.312	63	200594	10.126	ug/L	98
30) cis-1,2-Dichloroethene	4.831	96	106357	9.827	ug/L	86
33) Bromochloromethane	5.025	128	48451	9.983	ug/L #	70
34) Cyclohexane	5.040	56	110531	7.679	ug/L	89
35) Chloroform	5.098	83	188362	10.336	ug/L	93
37) Carbon tetrachloride	5.240	117	88072	8.241	ug/L	97
40) 1,1,1-Trichloroethane	5.302	97	117280	9.000	ug/L	95
42) 2-Butanone	5.392	43	17525	8.767	ug/L	100
45) Benzene	5.669	78	281518	8.866	ug/L	97
48) 1,2-Dichloroethane	5.869	62	107608	9.604	ug/L #	98
51) Methyl cyclohexane	6.272	83	90926	8.056	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A02.D
Acq On : 24 Nov 2024 09:12 am
Operator : VOA130:PID
Sample : WG2001917-2
Misc : WG2001917,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 09:33:39 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Trichloroethene	6.272	95	61912	8.003	ug/L		97
55) 1,2-Dichloropropane	6.812	63	65606	7.863	ug/L		98
58) Bromodichloromethane	6.886	83	95340	8.416	ug/L		100
61) 1,4-Dioxane	7.090	88	25503	623.369	ug/L		95
62) cis-1,3-Dichloropropene	7.578	75	89036	7.677	ug/L	#	82
65) Toluene	7.845	92	192035	9.091	ug/L		99
66) 4-Methyl-2-pentanone	8.275	58	12918	8.338	ug/L	#	88
67) Tetrachloroethene	8.302	166	68906	8.992	ug/L		93
69) trans-1,3-Dichloropropene	8.328	75	77377	7.884	ug/L	#	82
72) 1,1,2-Trichloroethane	8.511	83	40887	8.694	ug/L		98
73) Chlorodibromomethane	8.726	129	50787	7.858	ug/L		98
75) 1,2-Dibromoethane	9.004	107	43818	8.770	ug/L		99
77) 2-Hexanone	9.287	43	23770	8.366	ug/L		99
78) Chlorobenzene	9.654	112	206488	9.167	ug/L		90
79) Ethylbenzene	9.696	91	376395	9.056	ug/L		98
81) p/m Xylene	9.885	106	315515	18.870	ug/L		94
82) o Xylene	10.420	106	300575	18.683	ug/L		95
83) Styrene	10.488	104	516015	19.517	ug/L		95
85) Bromoform	10.509	173	31031	7.802	ug/L		98
87) Isopropylbenzene	10.803	105	356741	8.382	ug/L		98
90) n-Propylbenzene	11.274	91	476716	8.903	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.358	83	62451	9.365	ug/L		99
95) 1,3,5-Trimethylbenzene	11.500	105	339551	8.736	ug/L		97
99) tert-Butylbenzene	11.841	119	262276	8.317	ug/L		95
102) 1,2,4-Trimethylbenzene	11.919	105	331728	8.798	ug/L		97
103) sec-Butylbenzene	12.029	105	399350	8.711	ug/L		96
104) p-Isopropyltoluene	12.181	119	336327	8.496	ug/L		97
105) 1,3-Dichlorobenzene	12.250	146	197015	9.104	ug/L		98
106) 1,4-Dichlorobenzene	12.339	146	201456	9.107	ug/L		98
108) n-Butylbenzene	12.611	91	307626	8.938	ug/L		98
109) 1,2-Dichlorobenzene	12.758	146	189116	9.218	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.534	155	10657	9.588	ug/L		99
114) 1,2,4-Trichlorobenzene	14.169	180	114342	8.521	ug/L		98
115) Naphthalene	14.457	128	236947	8.640	ug/L		100
116) 1,2,3-Trichlorobenzene	14.630	180	112068	8.967	ug/L		98

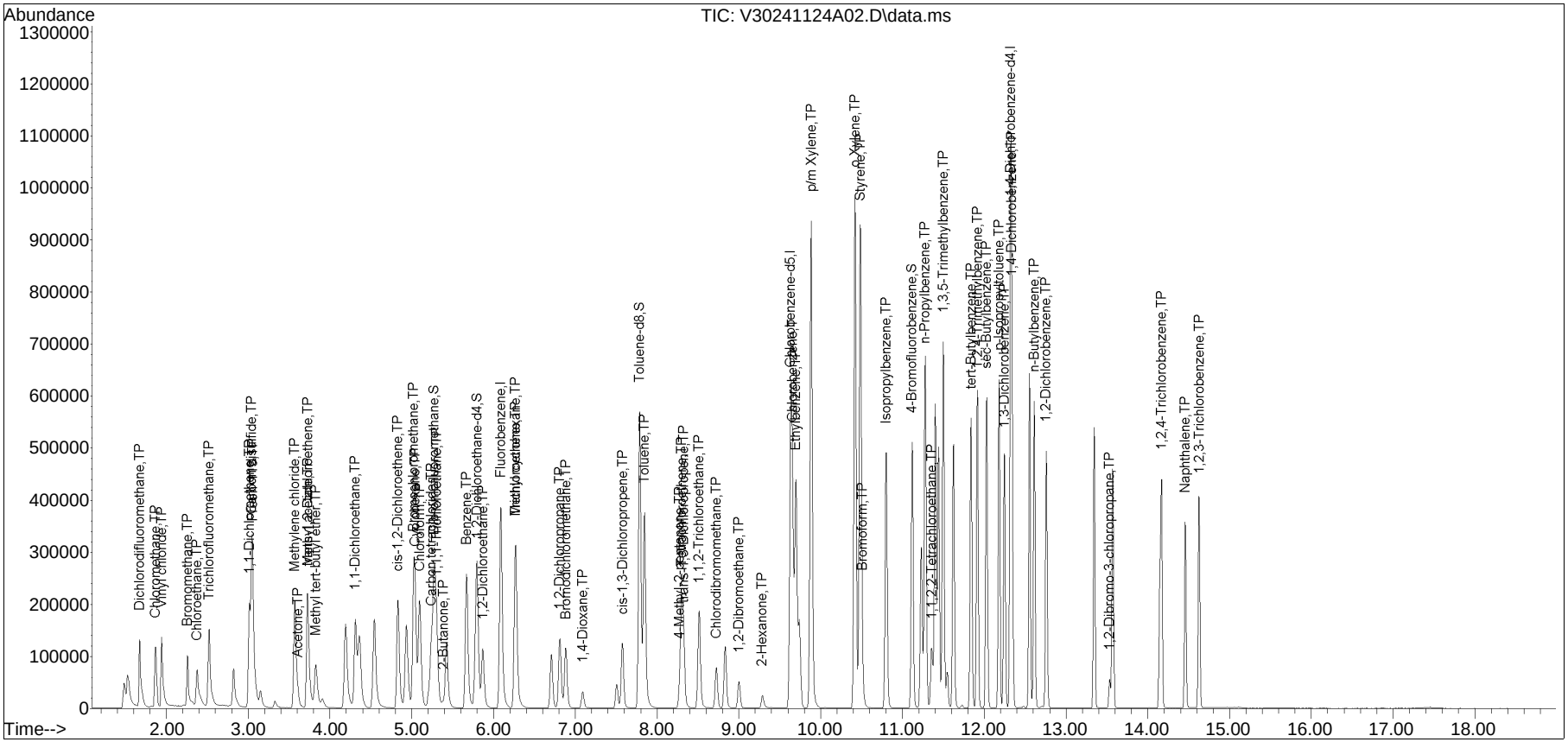
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A02.D
Acq On : 24 Nov 2024 09:12 am
Operator : VOA130:PID
Sample : WG2001917-2
Misc : WG2001917,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 09:33:39 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS



Manual Integration Report

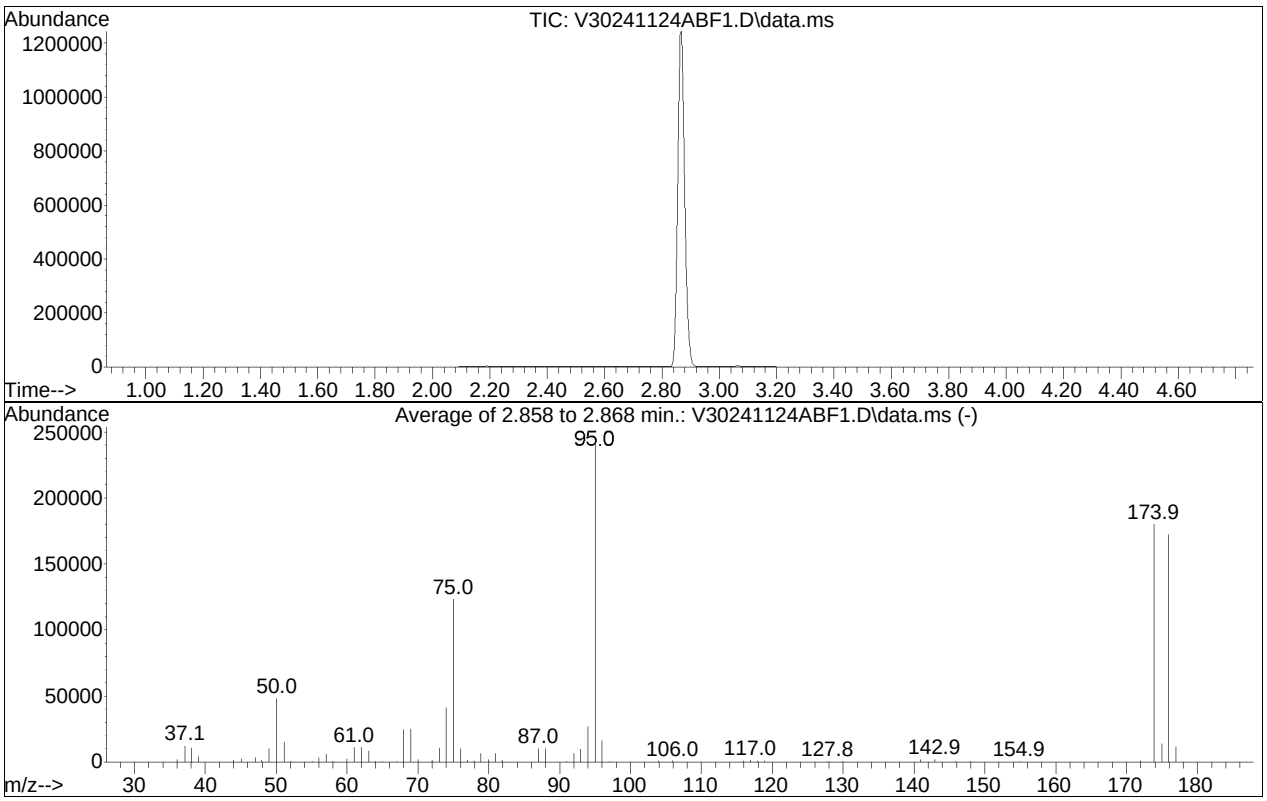
Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A02.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 9:12 am	Instrument	: VOA130
Sample	: WG2001917-2	Quant Date	: 11/24/2024 9:32 am

There are no manual integrations or false positives in this file.

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124ABF1.D
Acq On : 24 Nov 2024 08:38 am
Operator : VOA130:PID
Sample : WG2001917-1
Misc : WG2001917
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Nov 13 13:45:44 2024



AutoFind: Scans 147, 148, 149; Background Corrected with Scan 139

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	48280	PASS
75	95	30	60	51.1	123469	PASS
95	95	100	100	100.0	241856	PASS
96	95	5	9	6.7	16229	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.5	180267	PASS
175	174	5	9	7.6	13780	PASS
176	174	95	101	95.6	172256	PASS
177	176	5	9	6.7	11601	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A05.D
Acq On : 24 Nov 2024 10:18 am
Operator : VOA130:PID
Sample : WG2001917-5,31,10,10
Misc : WG2001917,ICAL21702
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 24 10:46:49 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	337058	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery =	79.20%		
63) Chlorobenzene-d5	9.634	117	306072	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery =	88.51%		
84) 1,4-Dichlorobenzene-d4	12.323	152	196152	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery =	85.95%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	143305	12.369	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	123.69%		
47) 1,2-Dichloroethane-d4	5.801	65	136497	11.765	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	117.65%		
64) Toluene-d8	7.788	98	387789	9.445	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.45%		
88) 4-Bromofluorobenzene	11.117	95	165868	9.791	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.91%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.501	85	55	N.D.		
3) Chloromethane	1.863	50	479	N.D.		
4) Vinyl chloride	1.942	62	299	N.D.		
5) Bromomethane	2.262	94	619	0.117	ug/L	85
6) Chloroethane	2.304	64	56	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	3.017	96	49	N.D.		
11) Carbon disulfide	3.048	76	3439	0.163	ug/L	99
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.572	84	285	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	3.730	96	451	N.D.		
19) Methyl acetate	3.730	43	211	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	4.831	96	170	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A05.D
Acq On : 24 Nov 2024 10:18 am
Operator : VOA130:PID
Sample : WG2001917-5,31,10,10
Misc : WG2001917,ICAL21702
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 24 10:46:49 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	5.670	78	55		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methyl cyclohexane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.840	92	53		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	9.204	43	58		N.D.	
78) Chlorobenzene	9.670	112	456		N.D.	
79) Ethylbenzene	9.707	91	474		N.D.	
81) p/m Xylene	9.901	106	50		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	10.509	104	278		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.250	146	517		N.D.	
106) 1,4-Dichlorobenzene	12.349	146	727		N.D.	
109) 1,2-Dichlorobenzene	12.764	146	56		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	14.179	180	372		N.D.	
116) 1,2,3-Trichlorobenzene	14.635	180	273		N.D.	

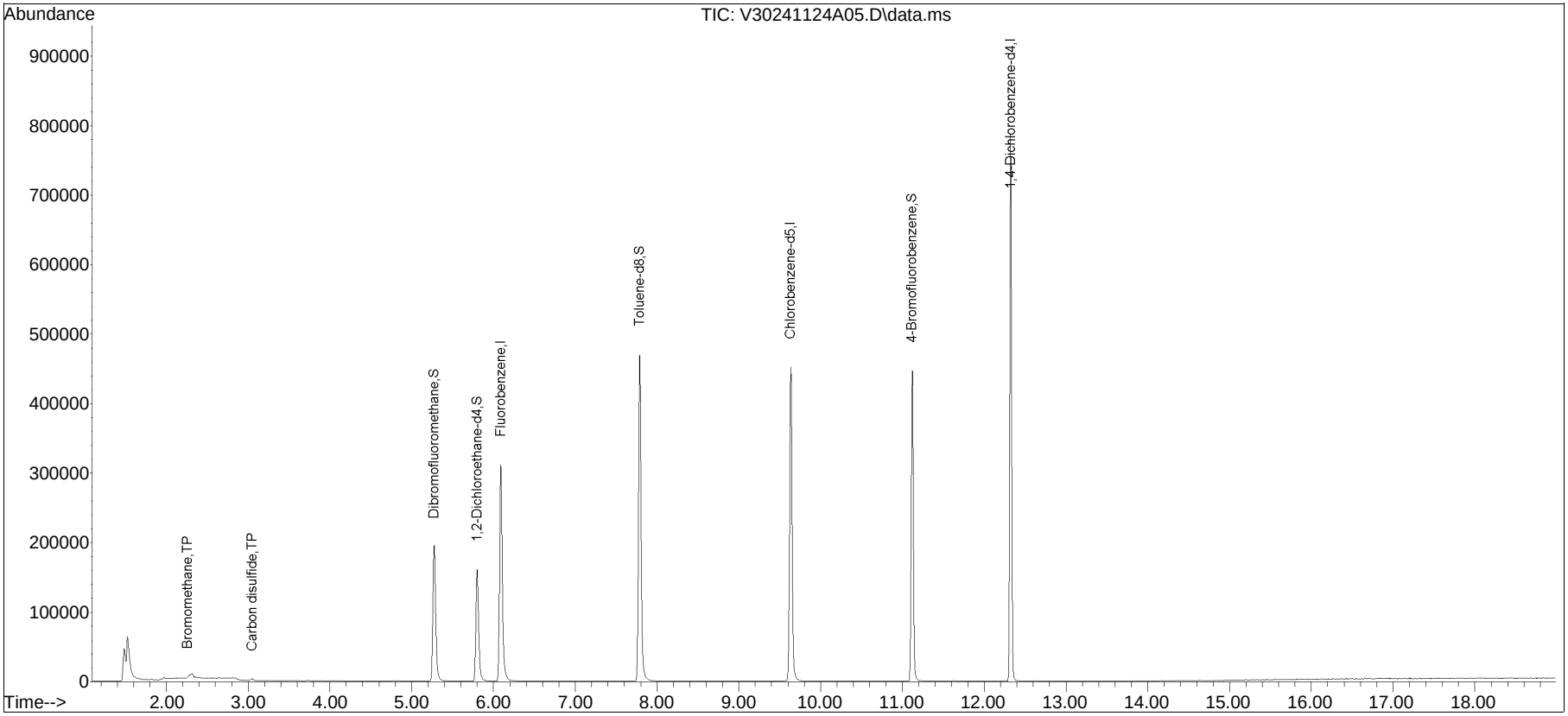
(#) = qualifier out of range (m) = manual integration (+) = signals summed

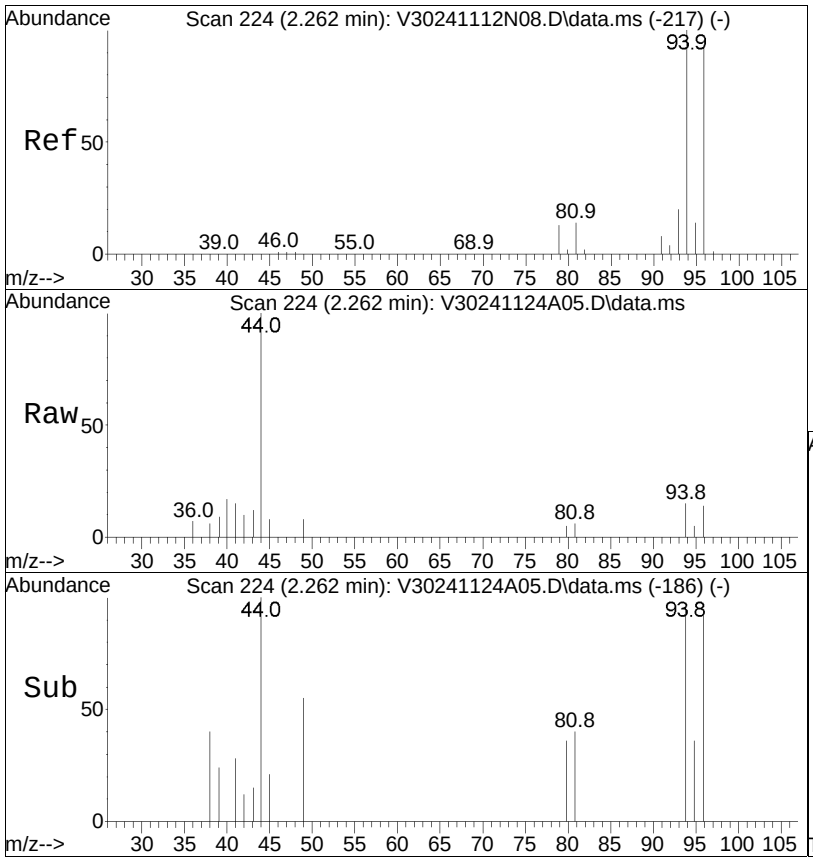
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A05.D
Acq On : 24 Nov 2024 10:18 am
Operator : VOA130:PID
Sample : WG2001917-5,31,10,10
Misc : WG2001917,ICAL21702
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 24 10:46:49 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

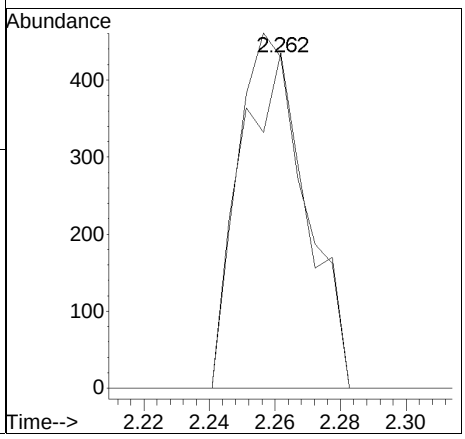


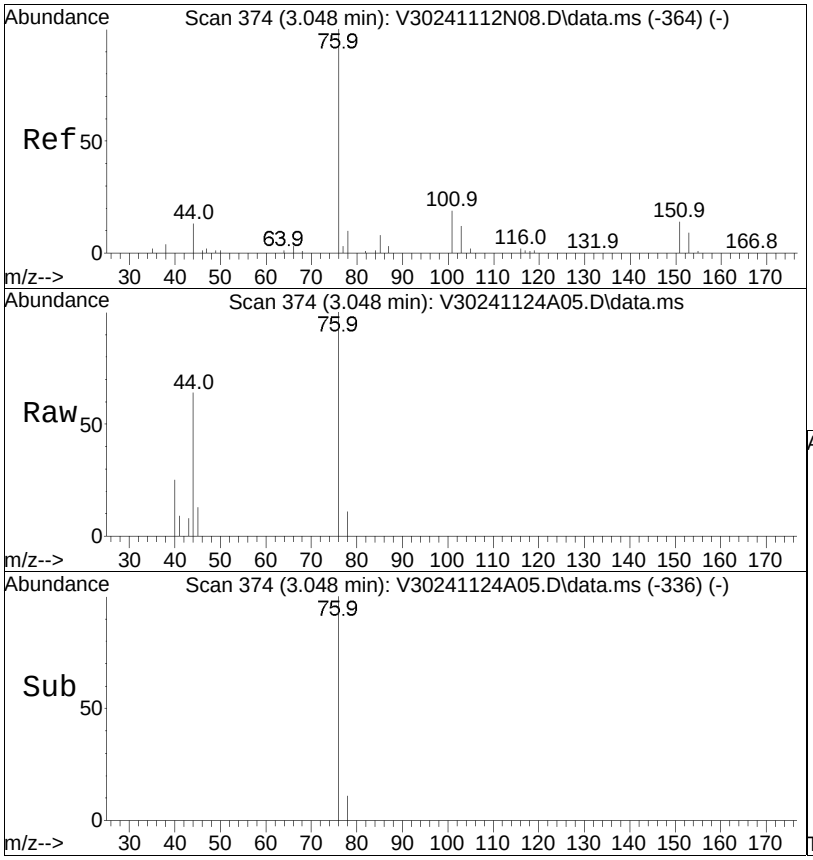


#5
Bromomethane
Concen: 0.12 ug/L
RT: 2.262 min Scan# 224
Delta R.T. -0.000 min
Lab File: V30241124A05.D
Acq: 24 Nov 2024 10:18 am

Tgt Ion: 94 Resp: 619

Ion	Ratio	Lower	Upper
94	100		
96	106.8	73.7	110.5

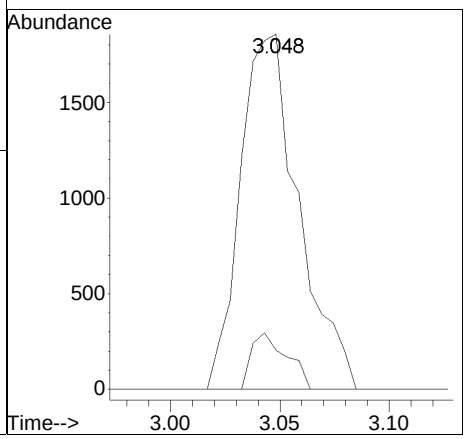




#11
Carbon disulfide
Concen: 0.16 ug/L
RT: 3.048 min Scan# 374
Delta R.T. 0.000 min
Lab File: V30241124A05.D
Acq: 24 Nov 2024 10:18 am

Tgt Ion: 76 Resp: 3439

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A05.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 10:18 am	Instrument	: VOA130
Sample	: WG2001917-5,31,10,10	Quant Date	: 11/24/2024 10:46 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A02.D
Acq On : 24 Nov 2024 09:12 am
Operator : VOA130:PID
Sample : WG2001917-3,31,10,10
Misc : WG2001917,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 09:33:39 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	425566	10.000	ug/L	0.00
63) Chlorobenzene-d5	9.633	117	345808	10.000	ug/L	0.00
84) 1,4-Dichlorobenzene-d4	12.323	152	228216	10.000	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	157846	10.790	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.90%			
47) 1,2-Dichloroethane-d4	5.801	65	161781	11.044	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.44%			
64) Toluene-d8	7.788	98	468176	10.092	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.92%			
88) 4-Bromofluorobenzene	11.117	95	188732	9.576	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	122802	11.946	ug/L	96
3) Chloromethane	1.868	50	127033	10.132	ug/L	98
4) Vinyl chloride	1.942	62	128398	10.422	ug/L	99
5) Bromomethane	2.256	94	49273	7.370	ug/L	99
6) Chloroethane	2.377	64	79535	10.542	ug/L	99
7) Trichlorofluoromethane	2.524	101	137813	9.983	ug/L	98
10) 1,1-Dichloroethene	3.016	96	88080	9.939	ug/L	80
11) Carbon disulfide	3.043	76	270042	10.122	ug/L	99
12) Freon-113	3.053	101	81182	9.651	ug/L	91
15) Methylene chloride	3.567	84	110609	10.113	ug/L	86
17) Acetone	3.609	43	18531	11.248	ug/L	93
18) trans-1,2-Dichloroethene	3.730	96	92808	9.750	ug/L	87
19) Methyl acetate	3.730	43	40413	10.150	ug/L #	87
21) Methyl tert-butyl ether	3.829	73	103078	6.998	ug/L	95
25) 1,1-Dichloroethane	4.312	63	200594	10.126	ug/L	98
30) cis-1,2-Dichloroethene	4.831	96	106357	9.827	ug/L	86
33) Bromochloromethane	5.025	128	48451	9.983	ug/L #	70
34) Cyclohexane	5.040	56	110531	7.679	ug/L	89
35) Chloroform	5.098	83	188362	10.336	ug/L	93
37) Carbon tetrachloride	5.240	117	88072	8.241	ug/L	97
40) 1,1,1-Trichloroethane	5.302	97	117280	9.000	ug/L	95
42) 2-Butanone	5.392	43	17525	8.767	ug/L	100
45) Benzene	5.669	78	281518	8.866	ug/L	97
48) 1,2-Dichloroethane	5.869	62	107608	9.604	ug/L #	98

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A02.D
Acq On : 24 Nov 2024 09:12 am
Operator : VOA130:PID
Sample : WG2001917-3,31,10,10
Misc : WG2001917,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 09:33:39 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) Methyl cyclohexane	6.272	83	90926	8.056	ug/L		93
52) Trichloroethene	6.272	95	61912	8.003	ug/L		97
55) 1,2-Dichloropropane	6.812	63	65606	7.863	ug/L		98
58) Bromodichloromethane	6.886	83	95340	8.416	ug/L		100
61) 1,4-Dioxane	7.090	88	25503	623.369	ug/L		95
62) cis-1,3-Dichloropropene	7.578	75	89036	7.677	ug/L	#	82
65) Toluene	7.845	92	192035	9.091	ug/L		99
66) 4-Methyl-2-pentanone	8.275	58	12918	8.338	ug/L	#	88
67) Tetrachloroethene	8.302	166	68906	8.992	ug/L		93
69) trans-1,3-Dichloropropene	8.328	75	77377	7.884	ug/L	#	82
72) 1,1,2-Trichloroethane	8.511	83	40887	8.694	ug/L		98
73) Chlorodibromomethane	8.726	129	50787	7.858	ug/L		98
75) 1,2-Dibromoethane	9.004	107	43818	8.770	ug/L		99
77) 2-Hexanone	9.287	43	23770	8.366	ug/L		99
78) Chlorobenzene	9.654	112	206488	9.167	ug/L		90
79) Ethylbenzene	9.696	91	376395	9.056	ug/L		98
81) p/m Xylene	9.885	106	315515	18.870	ug/L		94
82) o Xylene	10.420	106	300575	18.683	ug/L		95
83) Styrene	10.488	104	516015	19.517	ug/L		95
85) Bromoform	10.509	173	31031	7.802	ug/L		98
87) Isopropylbenzene	10.803	105	356741	8.382	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.358	83	62451	9.365	ug/L		99
105) 1,3-Dichlorobenzene	12.250	146	197015	9.104	ug/L		98
106) 1,4-Dichlorobenzene	12.339	146	201456	9.107	ug/L		98
109) 1,2-Dichlorobenzene	12.758	146	189116	9.218	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.534	155	10657	9.588	ug/L		99
114) 1,2,4-Trichlorobenzene	14.169	180	114342	8.521	ug/L		98
116) 1,2,3-Trichlorobenzene	14.630	180	112068	8.967	ug/L		98

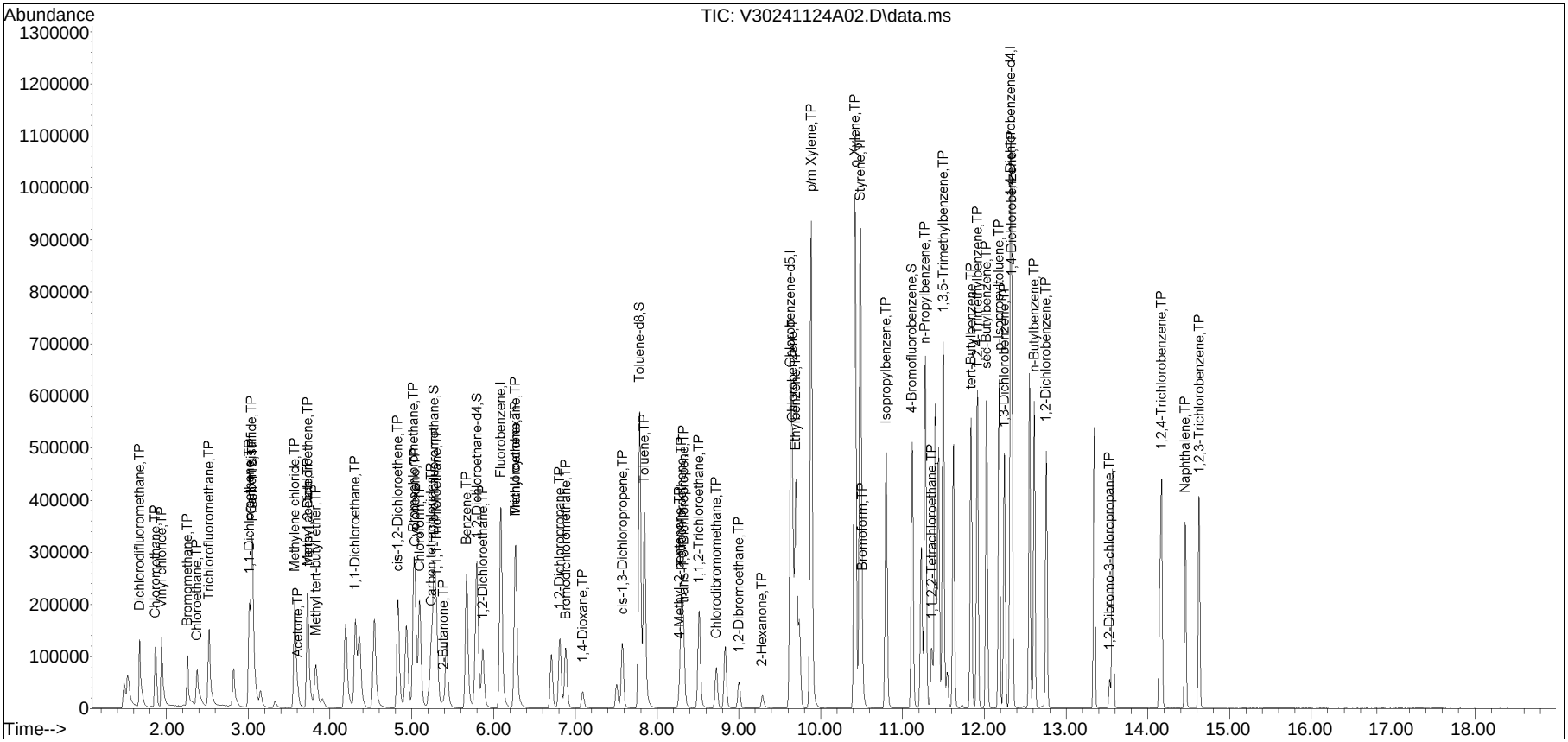
(#) = qualifier out of range (m) = manual integration (+) = signals summed

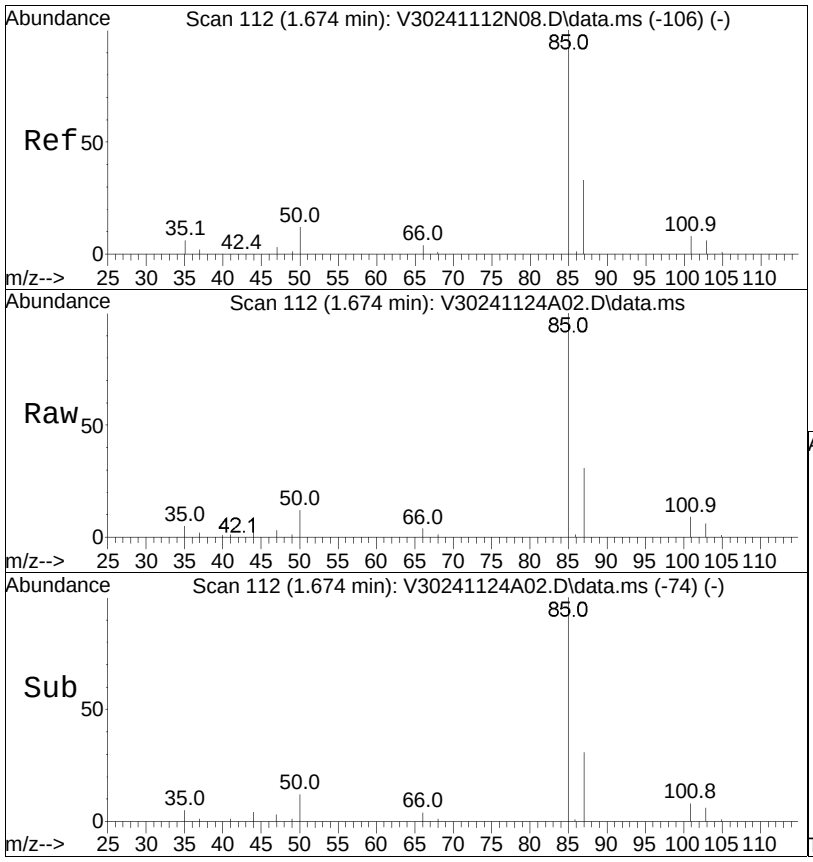
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A02.D
Acq On : 24 Nov 2024 09:12 am
Operator : VOA130:PID
Sample : WG2001917-3,31,10,10
Misc : WG2001917,ICAL21702
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 24 09:33:39 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

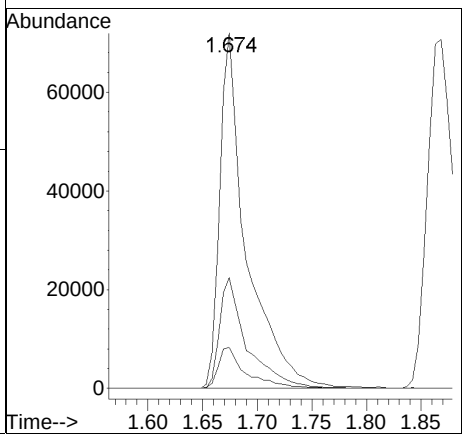


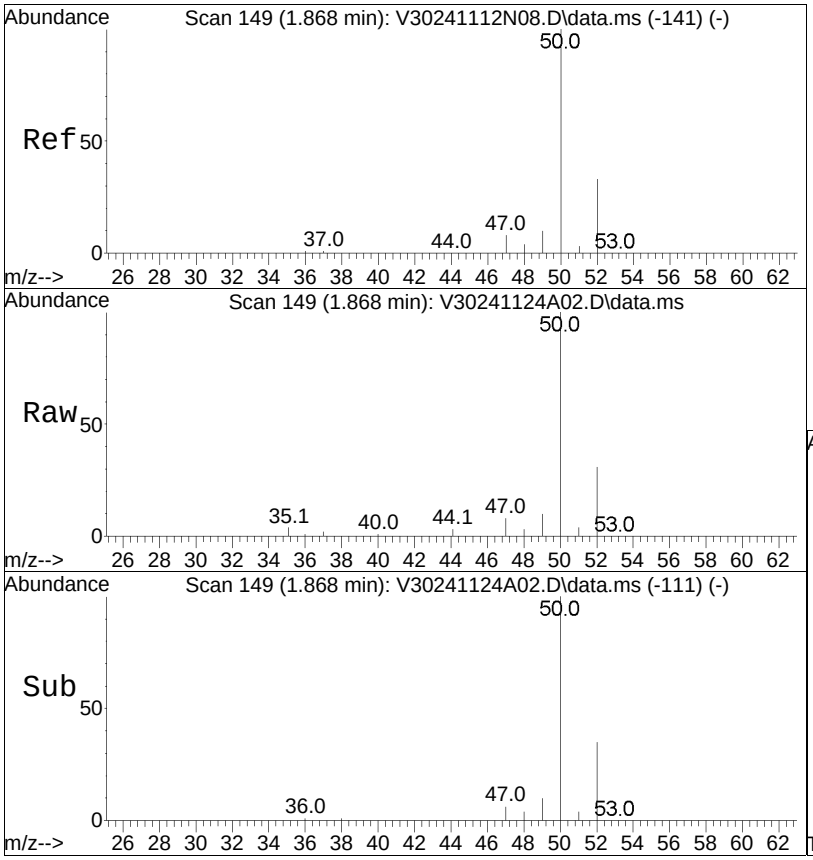


#2
Dichlorodifluoromethane
Concen: 11.95 ug/L
RT: 1.674 min Scan# 112
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 85 Resp: 122802

Ion	Ratio	Lower	Upper
85	100		
87	32.0	20.2	42.0
50	12.0	10.1	20.9

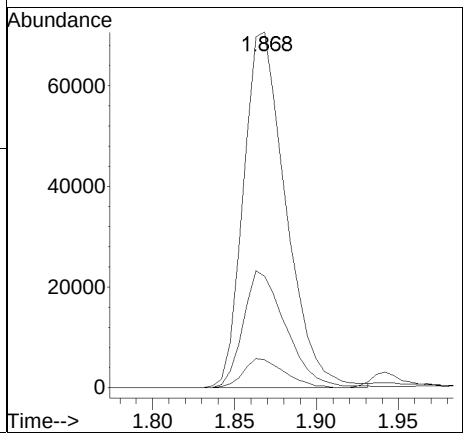


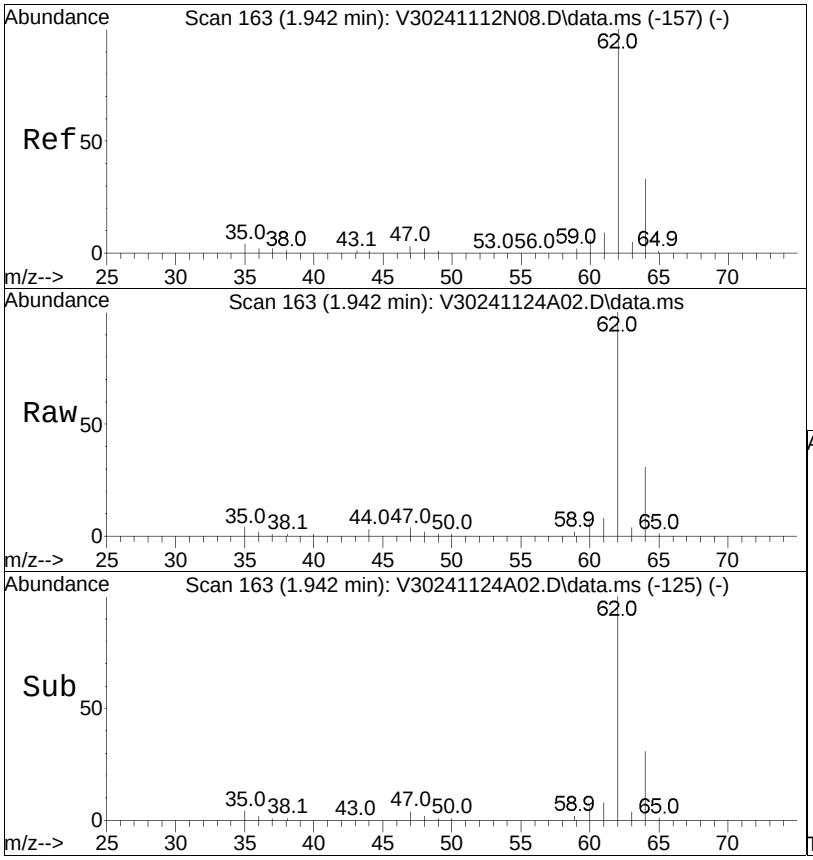


#3
Chloromethane
Concen: 10.13 ug/L
RT: 1.868 min Scan# 149
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 50 Resp: 127033

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.1	37.7
47	7.8	6.5	9.7

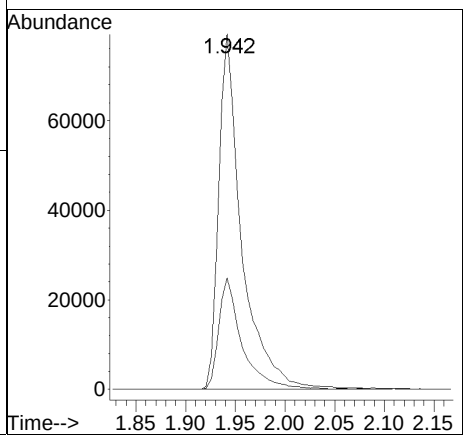


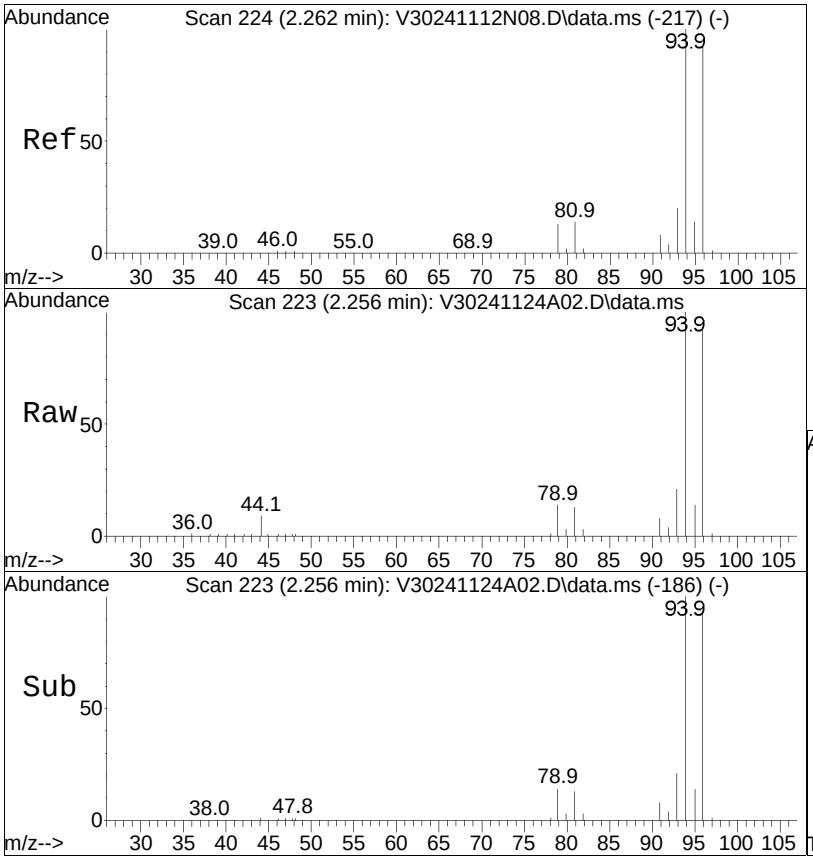


#4
Vinyl chloride
Concen: 10.42 ug/L
RT: 1.942 min Scan# 163
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 62 Resp: 128398

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.7	38.5

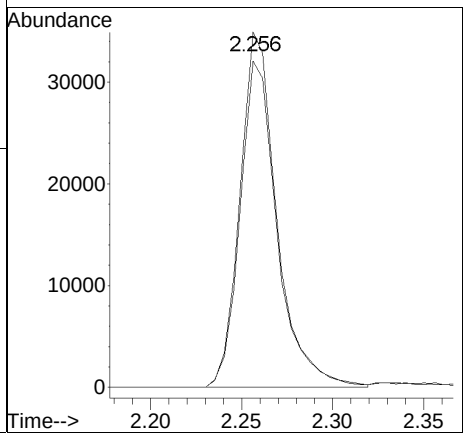


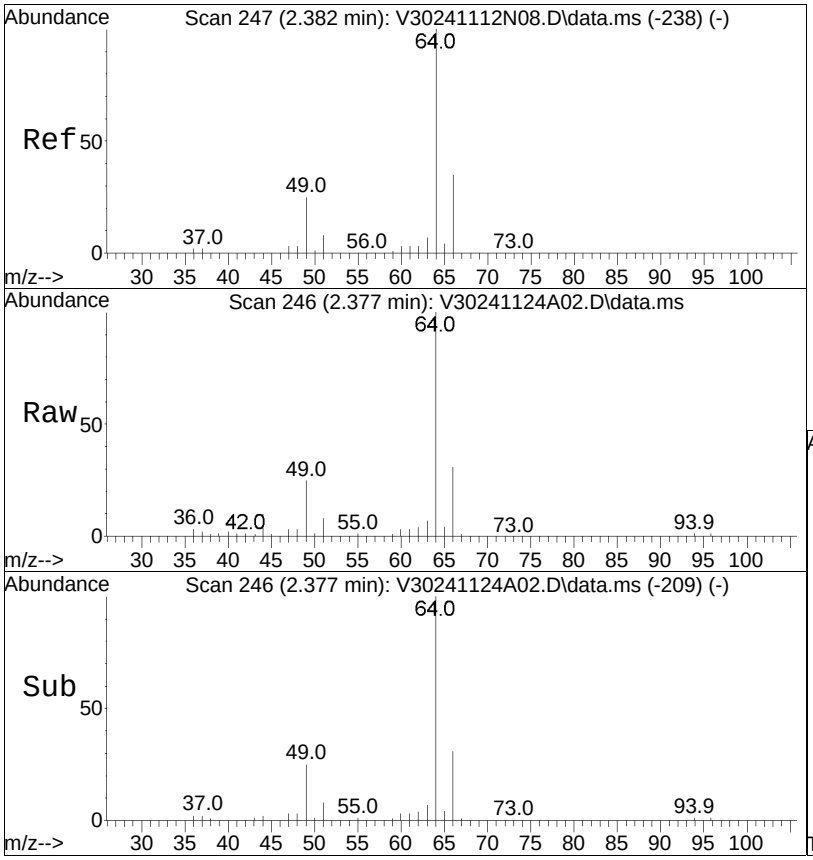


#5
Bromomethane
Concen: 7.37 ug/L
RT: 2.256 min Scan# 223
Delta R.T. -0.006 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 94 Resp: 49273

Ion	Ratio	Lower	Upper
94	100		
96	92.7	73.7	110.5

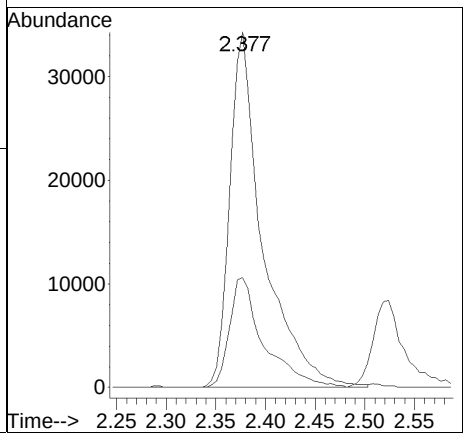


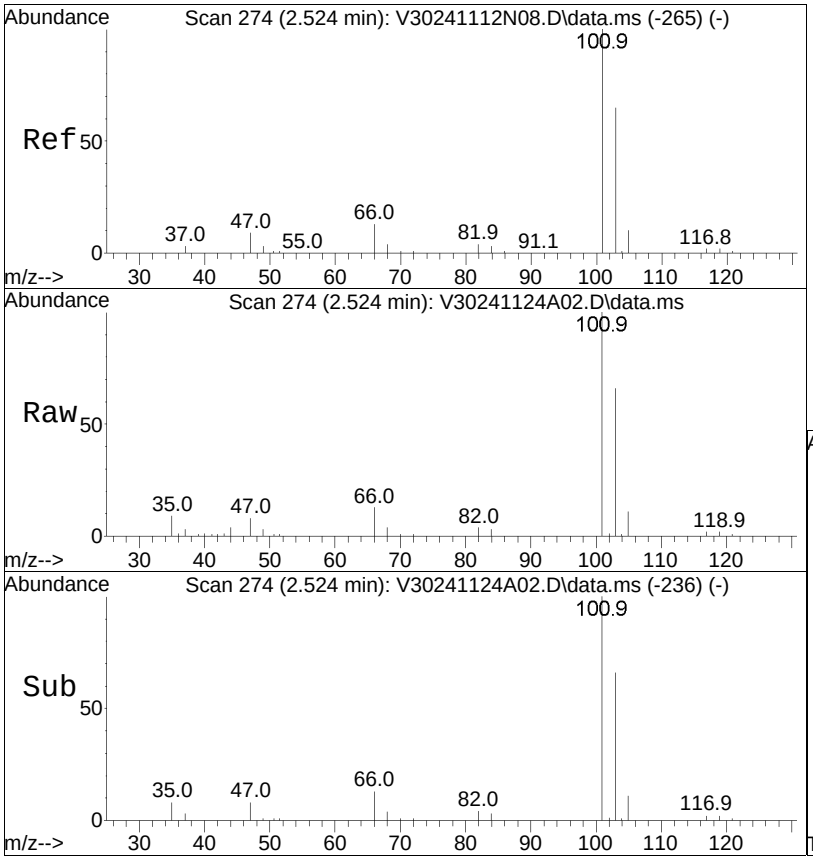


#6
Chloroethane
Concen: 10.54 ug/L
RT: 2.377 min Scan# 246
Delta R.T. -0.005 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 64 Resp: 79535

Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.3	37.9

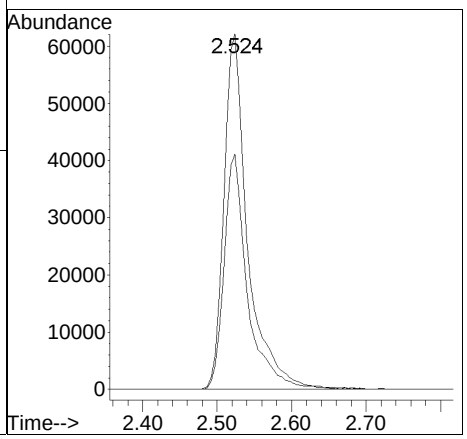


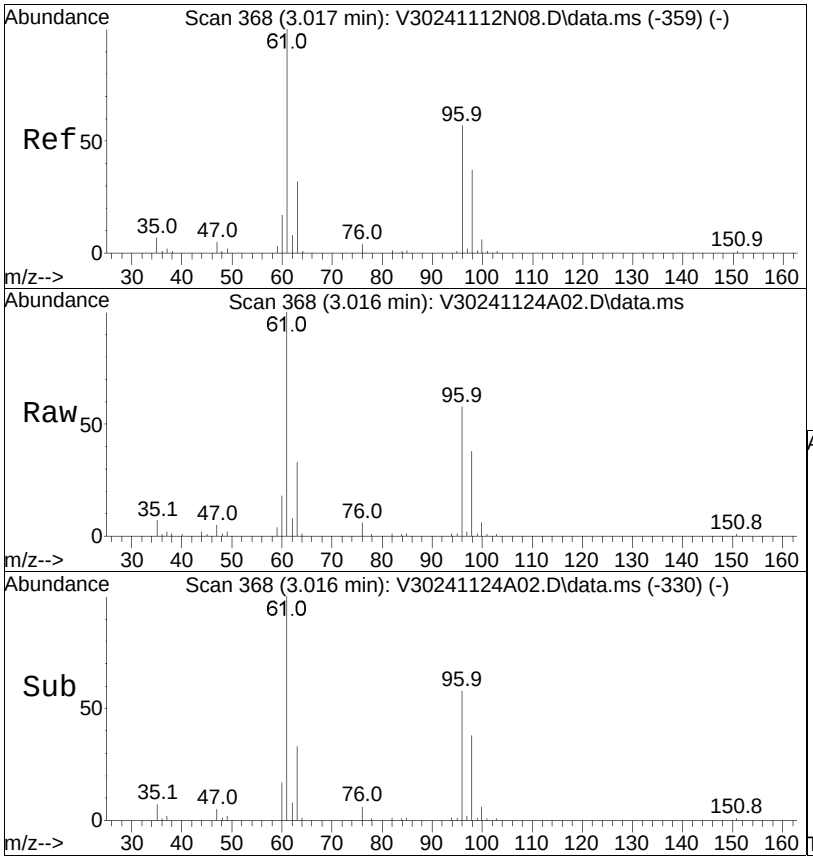


#7
Trichlorofluoromethane
Concen: 9.98 ug/L
RT: 2.524 min Scan# 274
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:101 Resp: 137813

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.4

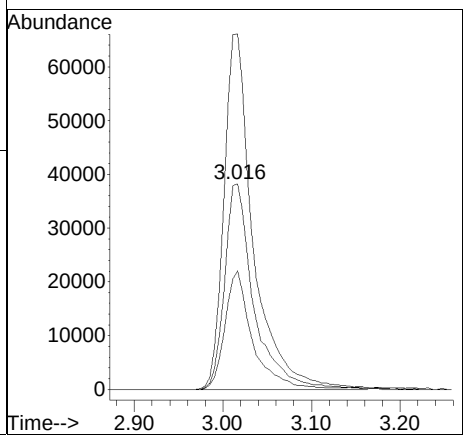


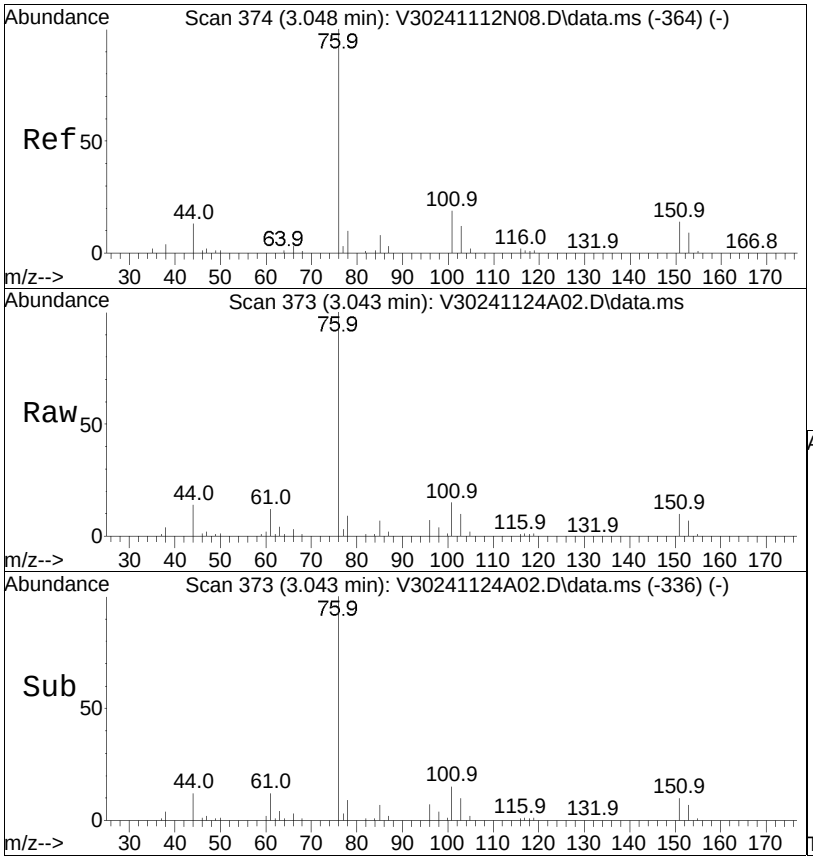


#10
1,1-Dichloroethene
Concen: 9.94 ug/L
RT: 3.016 min Scan# 368
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 96 Resp: 88080

Ion	Ratio	Lower	Upper
96	100		
61	172.9	165.5	248.3
63	54.3	51.9	77.9

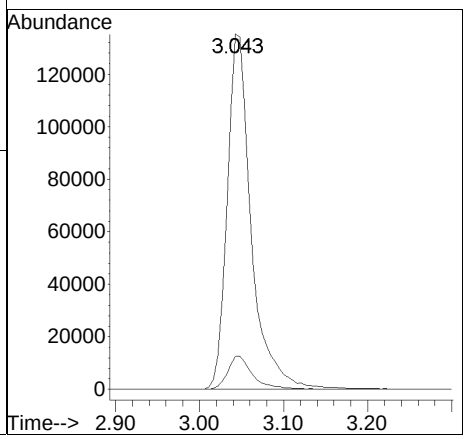


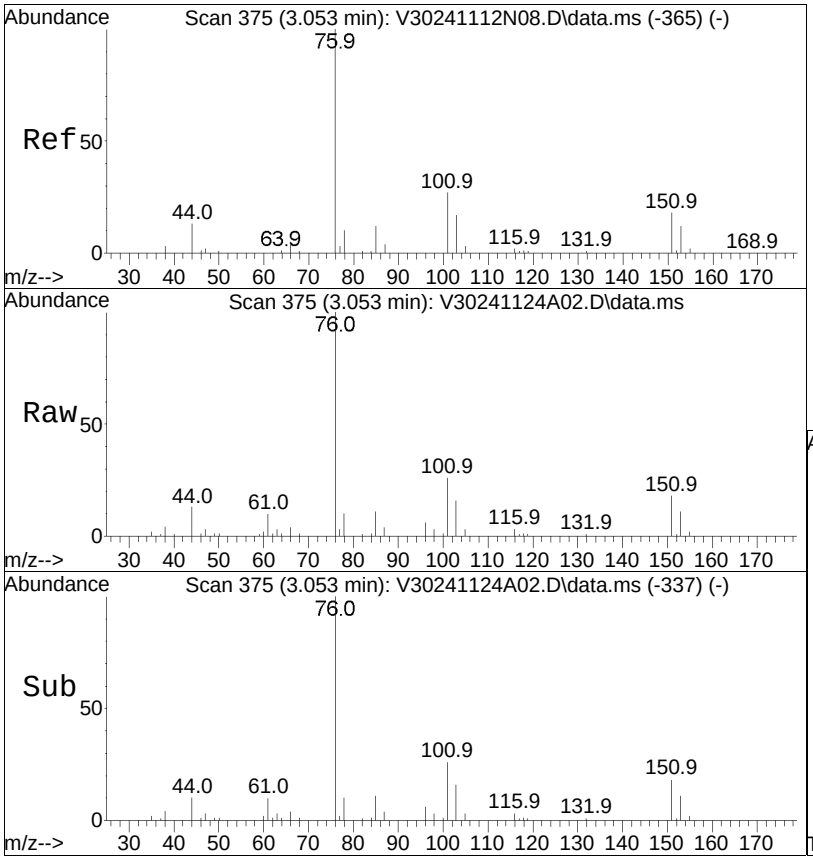


#11
Carbon disulfide
Concen: 10.12 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 76 Resp: 270042

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

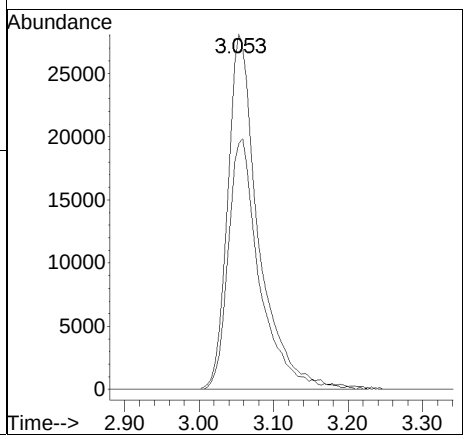


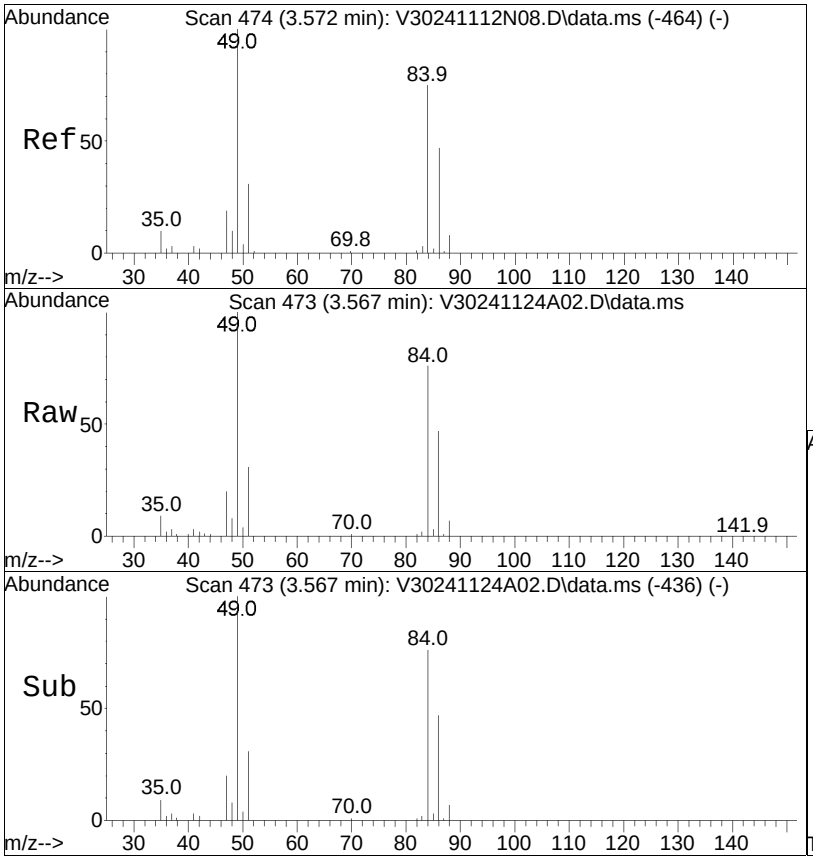


#12
Freon-113
Concen: 9.65 ug/L
RT: 3.053 min Scan# 375
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:101 Resp: 81182

Ion	Ratio	Lower	Upper
101	100		
151	71.9	51.9	77.9

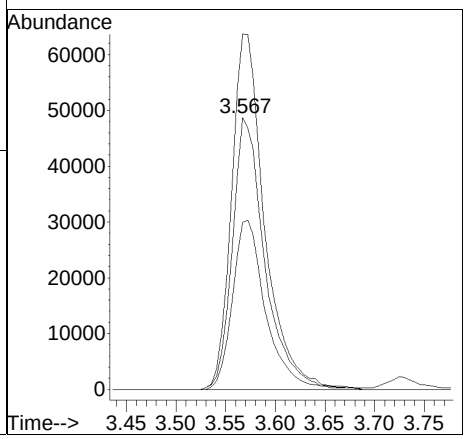


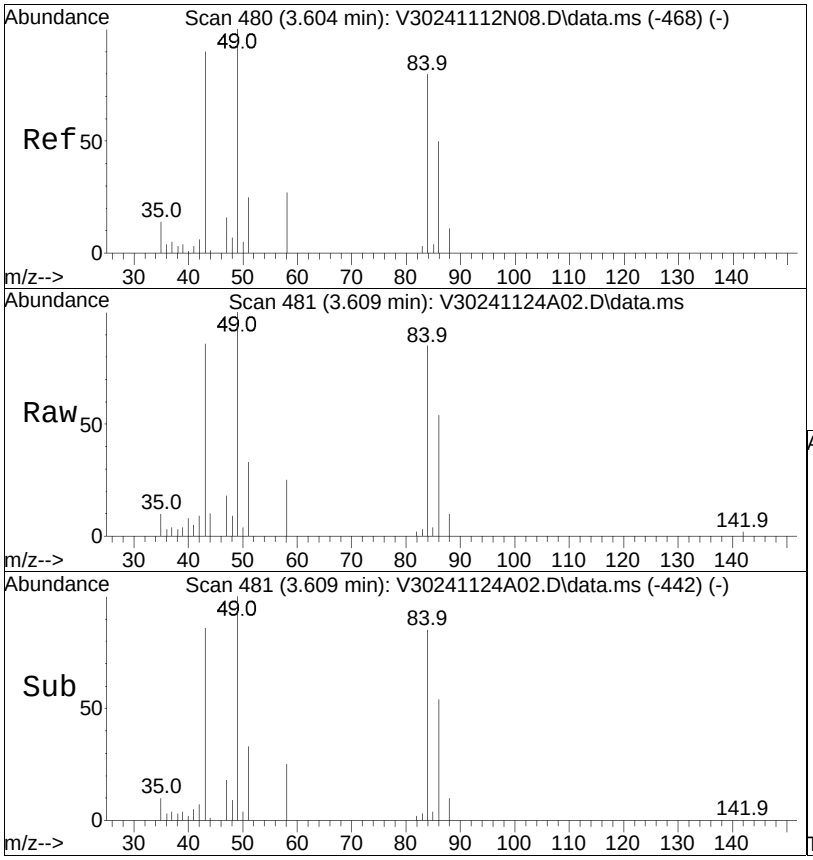


#15
Methylene chloride
Concen: 10.11 ug/L
RT: 3.567 min Scan# 473
Delta R.T. -0.005 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 84 Resp: 110609

Ion	Ratio	Lower	Upper
84	100		
86	63.7	41.7	86.5
49	133.4	103.9	215.9

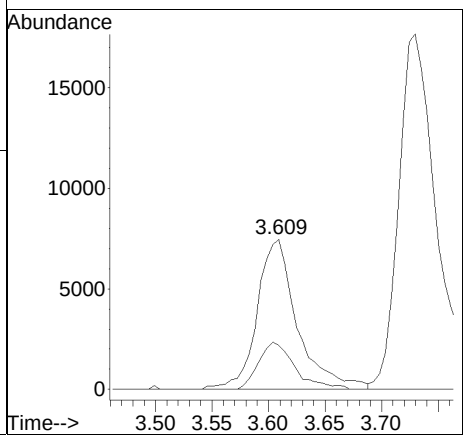


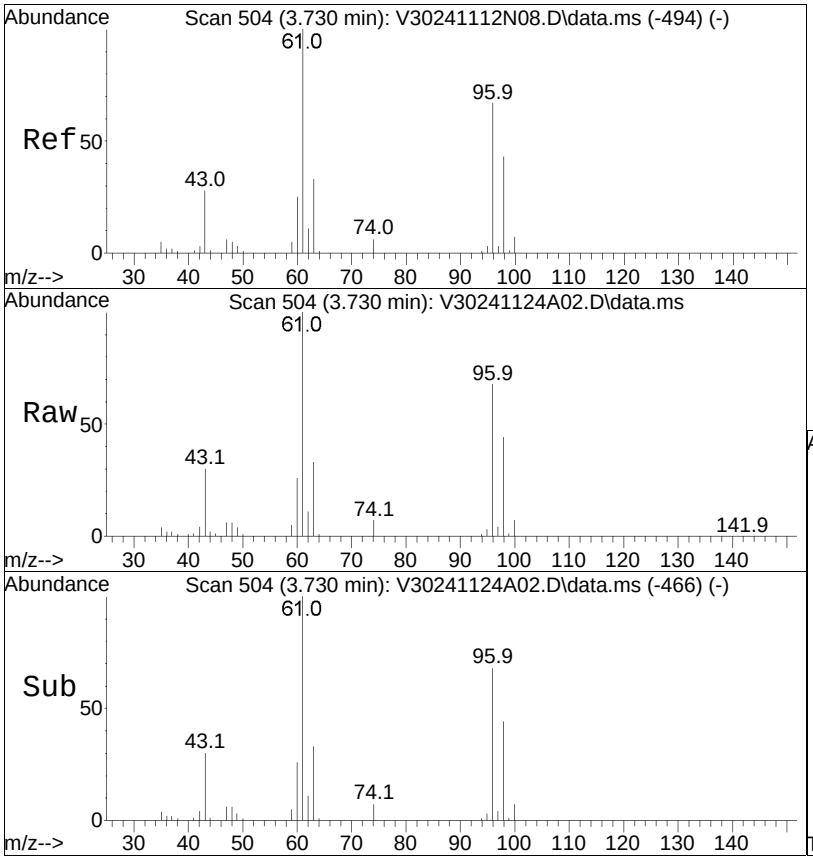


#17
Acetone
Concen: 11.25 ug/L
RT: 3.609 min Scan# 481
Delta R.T. 0.005 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 43 Resp: 18531

Ion	Ratio	Lower	Upper
43	100		
58	28.6	20.1	30.1

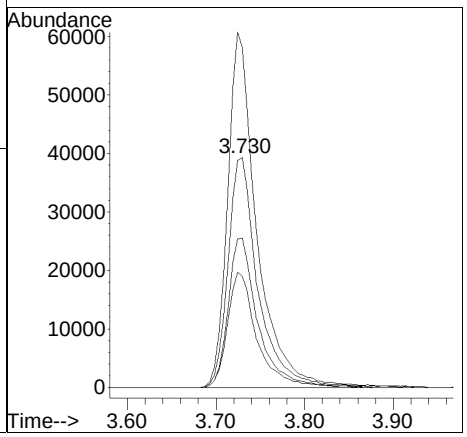


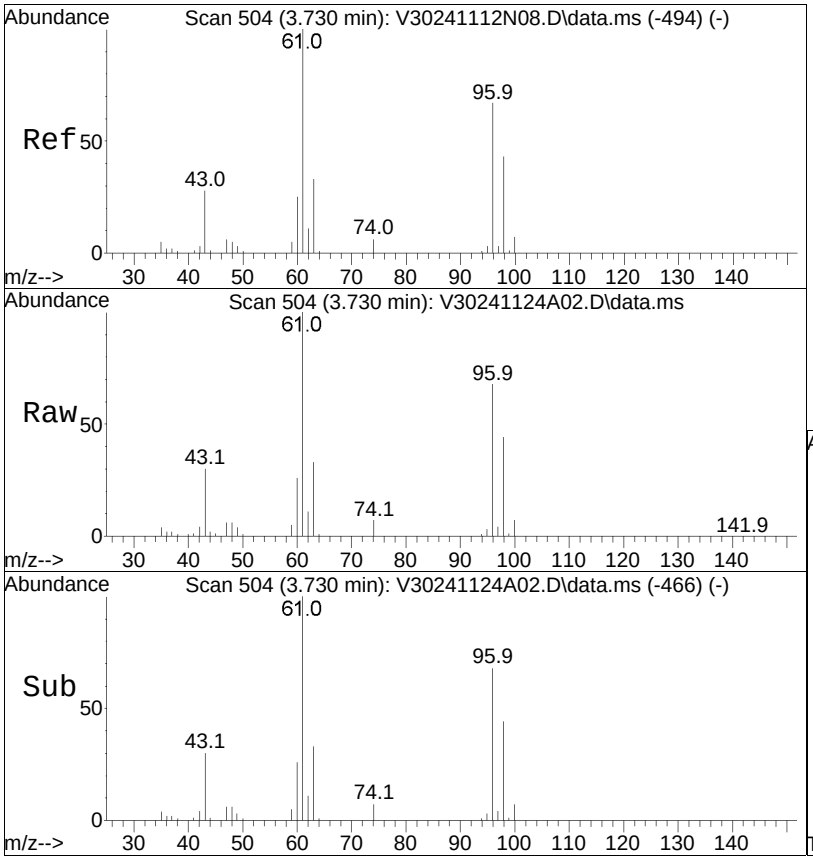


#18
trans-1,2-Dichloroethene
Concen: 9.75 ug/L
RT: 3.730 min Scan# 504
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 96 Resp: 92808

Ion	Ratio	Lower	Upper
96	100		
61	150.2	113.6	236.0
98	64.3	40.8	84.8
63	48.8	36.5	75.7

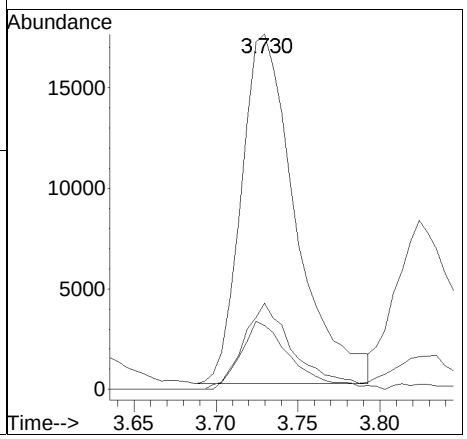


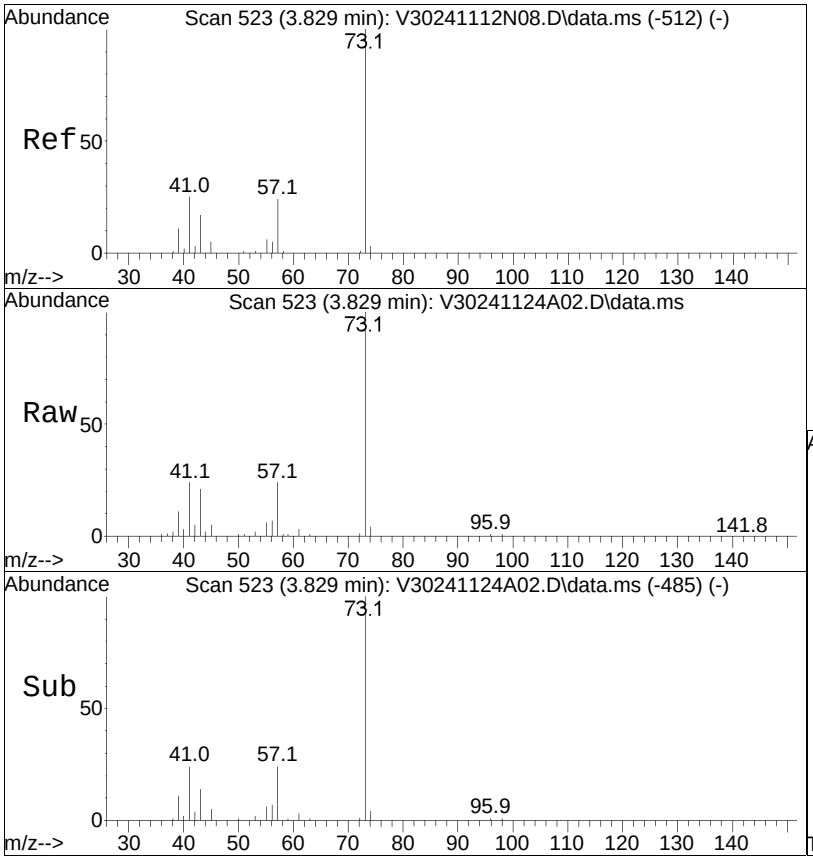


#19
Methyl acetate
Concen: 10.15 ug/L
RT: 3.730 min Scan# 504
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 43 Resp: 40413

Ion	Ratio	Lower	Upper
43	100		
74	22.7	14.6	22.0#
59	18.2	9.3	13.9#

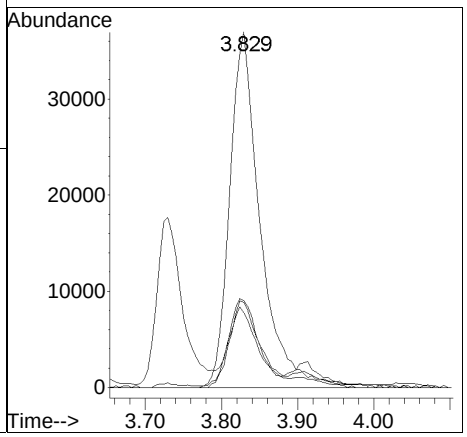


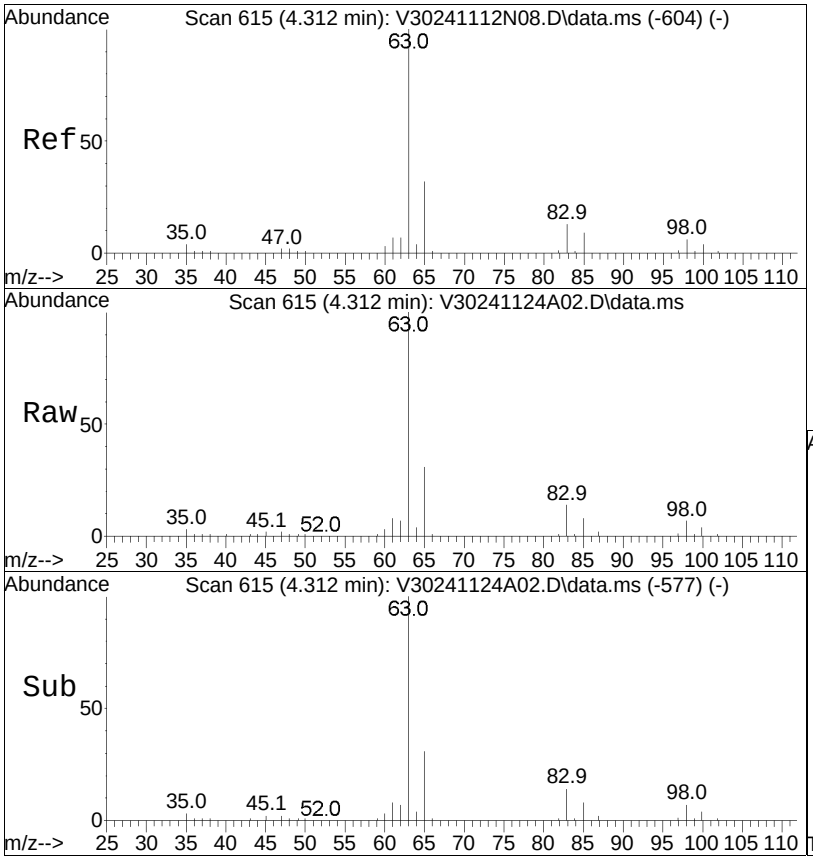


#21
Methyl tert-butyl ether
Concen: 7.00 ug/L
RT: 3.829 min Scan# 523
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 73 Resp: 103078

Ion	Ratio	Lower	Upper
73	100		
57	23.3	15.5	32.1
43	20.6	16.6	34.6
41	24.5	17.2	35.6

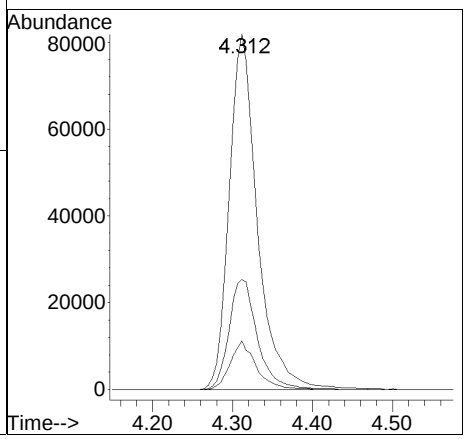


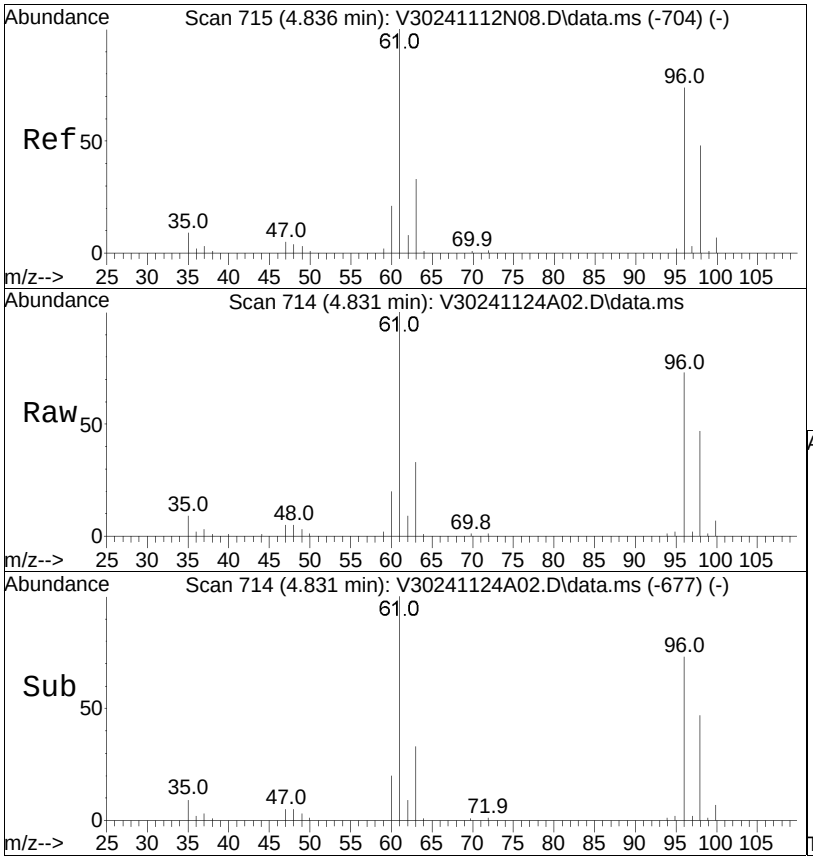


#25
1,1-Dichloroethane
Concen: 10.13 ug/L
RT: 4.312 min Scan# 615
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 63 Resp: 200594

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.5	36.7
83	12.4	8.9	13.3

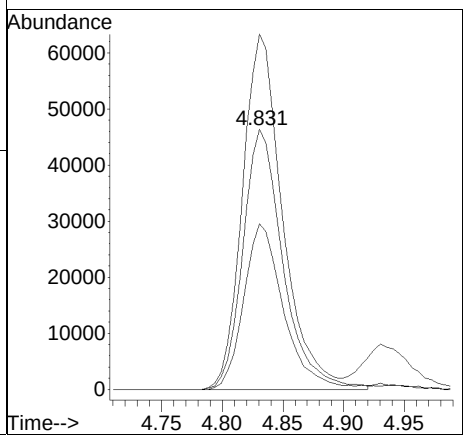


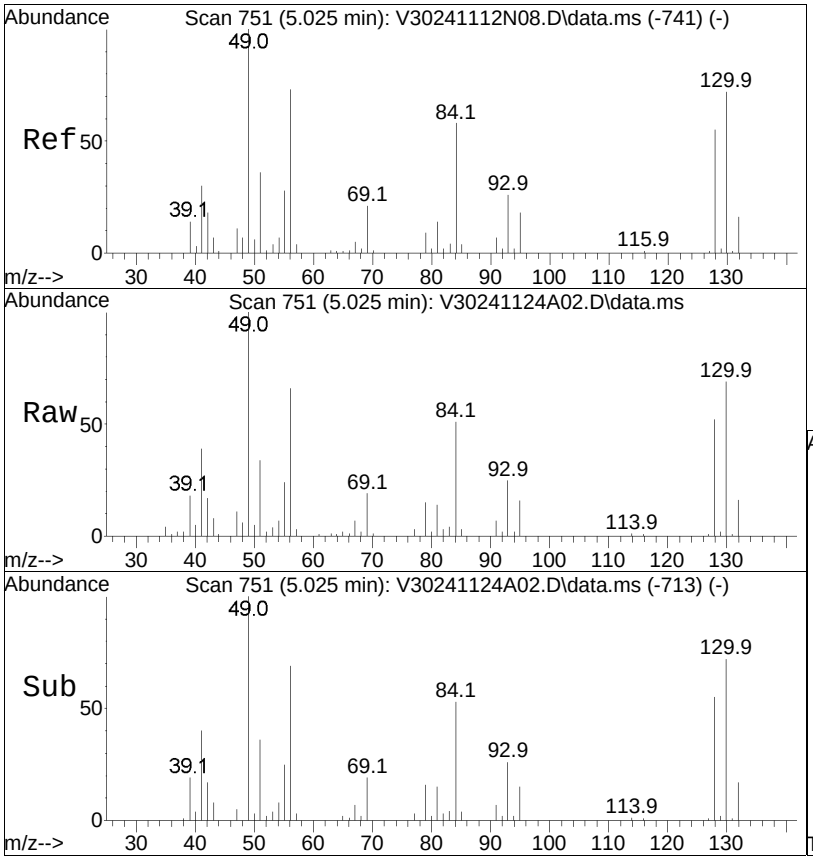


#30
cis-1,2-Dichloroethene
Concen: 9.83 ug/L
RT: 4.831 min Scan# 714
Delta R.T. -0.005 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 96 Resp: 106357

Ion	Ratio	Lower	Upper
96	100		
61	136.4	129.3	193.9
98	63.2	51.4	77.2

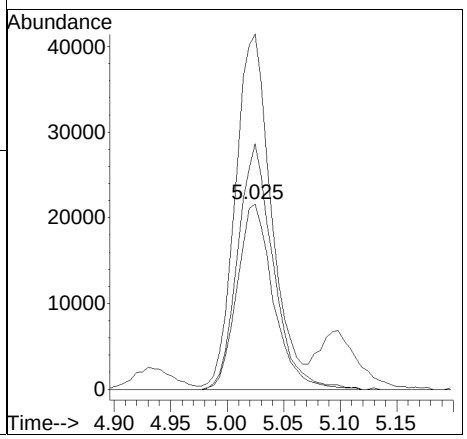


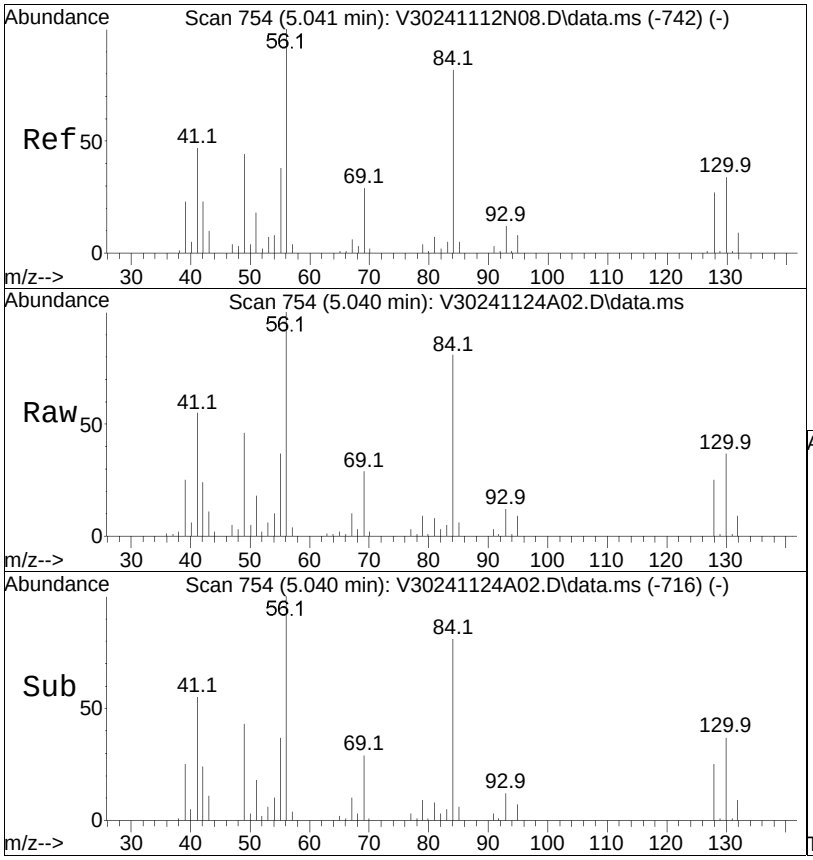


#33
Bromochloromethane
Concen: 9.98 ug/L
RT: 5.025 min Scan# 751
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:128 Resp: 48451

Ion	Ratio	Lower	Upper
128	100		
49	188.9	214.8	322.2#
130	129.0	105.4	158.2

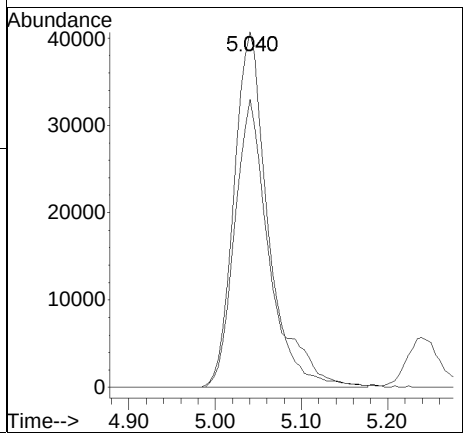


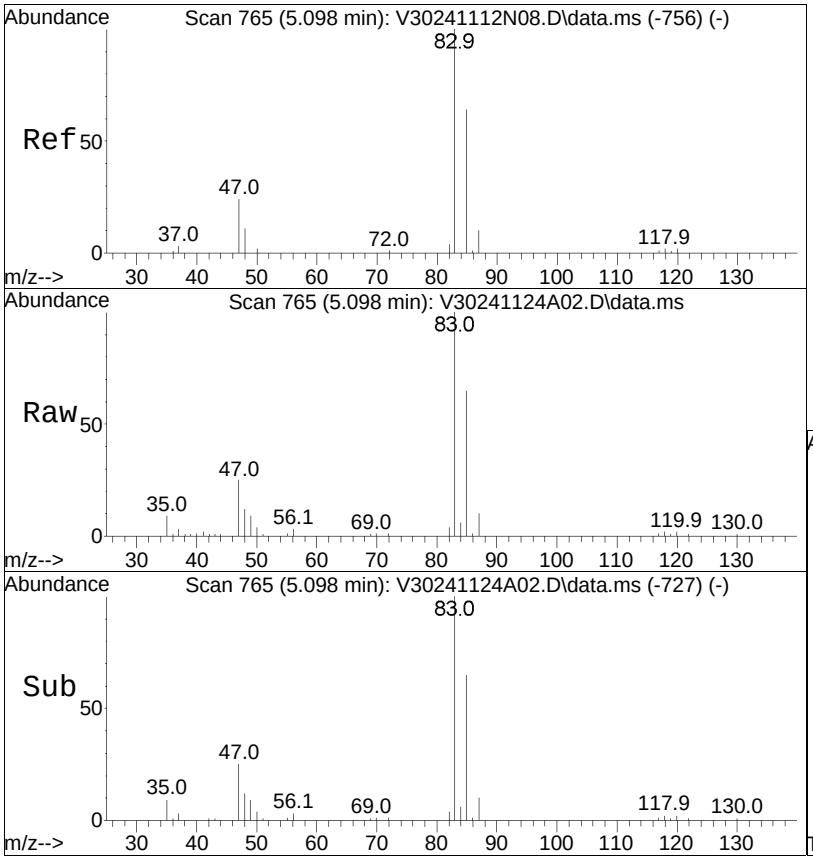


#34
Cyclohexane
Concen: 7.68 ug/L
RT: 5.040 min Scan# 754
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 56 Resp: 110531

Ion	Ratio	Lower	Upper
56	100		
84	86.0	49.9	103.5

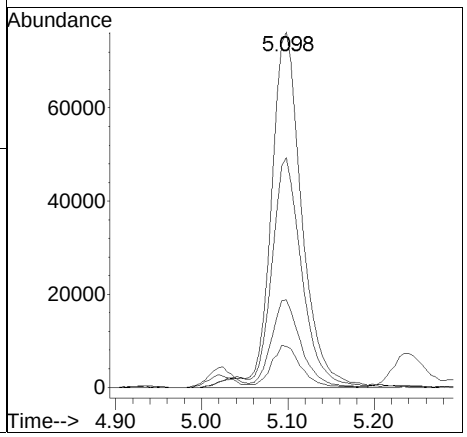


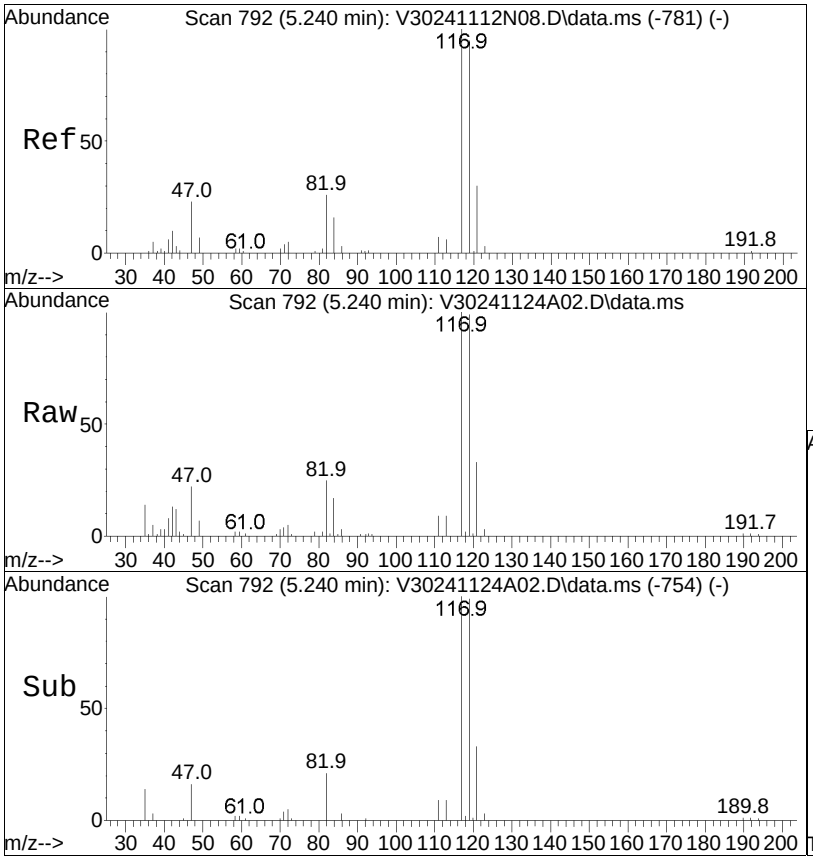


#35
Chloroform
Concen: 10.34 ug/L
RT: 5.098 min Scan# 765
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 83 Resp: 188362

Ion	Ratio	Lower	Upper
83	100		
85	62.0	41.4	86.0
47	23.2	20.5	42.5
48	11.5	9.9	20.5

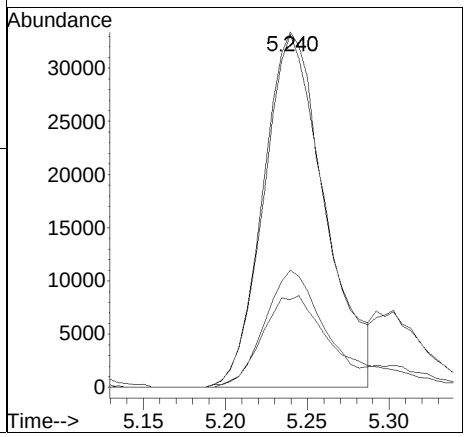


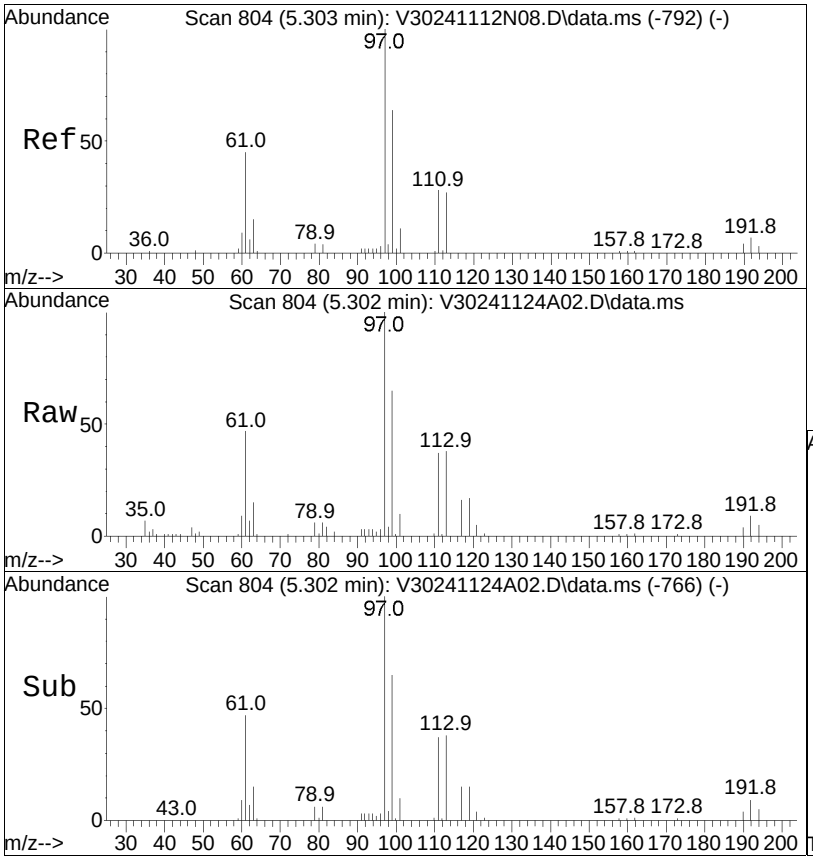


#37
Carbon tetrachloride
Concen: 8.24 ug/L
RT: 5.240 min Scan# 792
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:117 Resp: 88072

Ion	Ratio	Lower	Upper
117	100		
119	97.2	62.0	128.8
121	31.1	19.6	40.6
82	32.4	18.8	39.0

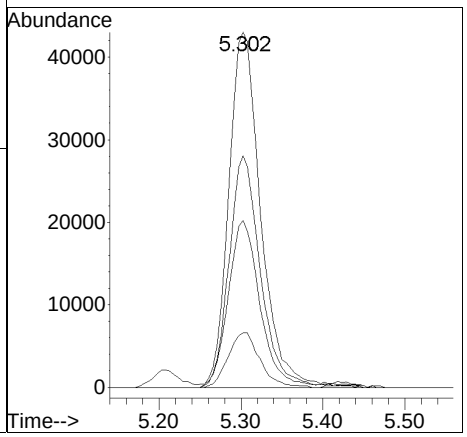


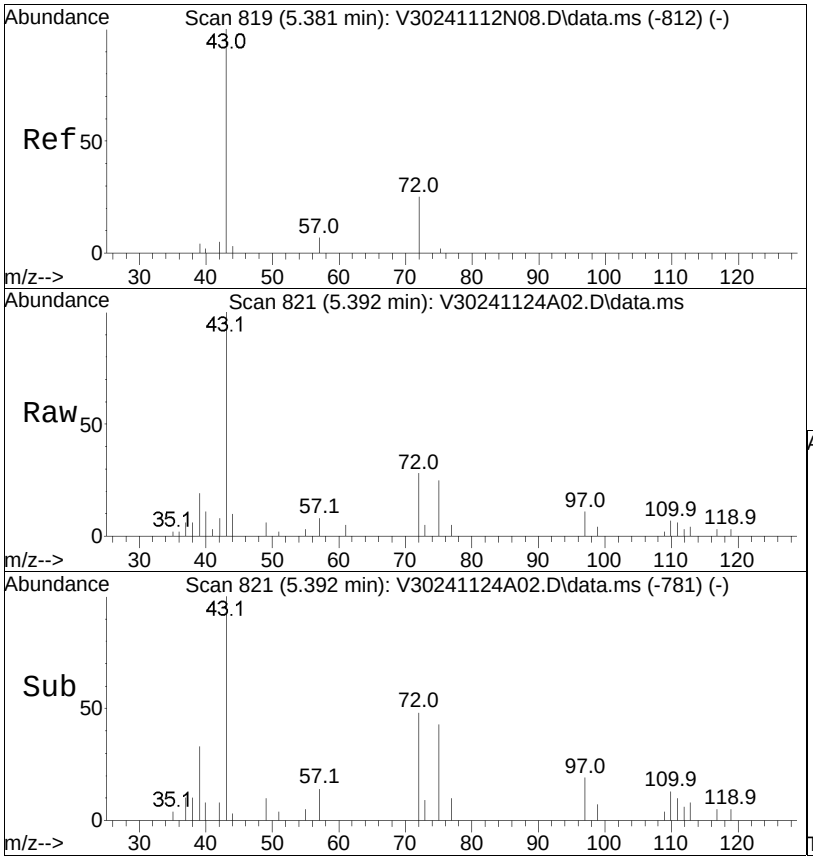


#40
1,1,1-Trichloroethane
Concen: 9.00 ug/L
RT: 5.302 min Scan# 804
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 97 Resp: 117280

Ion	Ratio	Lower	Upper
97	100		
99	63.4	40.6	84.4
61	46.6	35.0	72.8
63	15.3	11.1	23.0

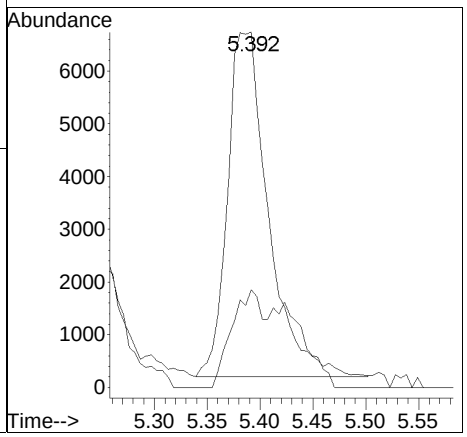


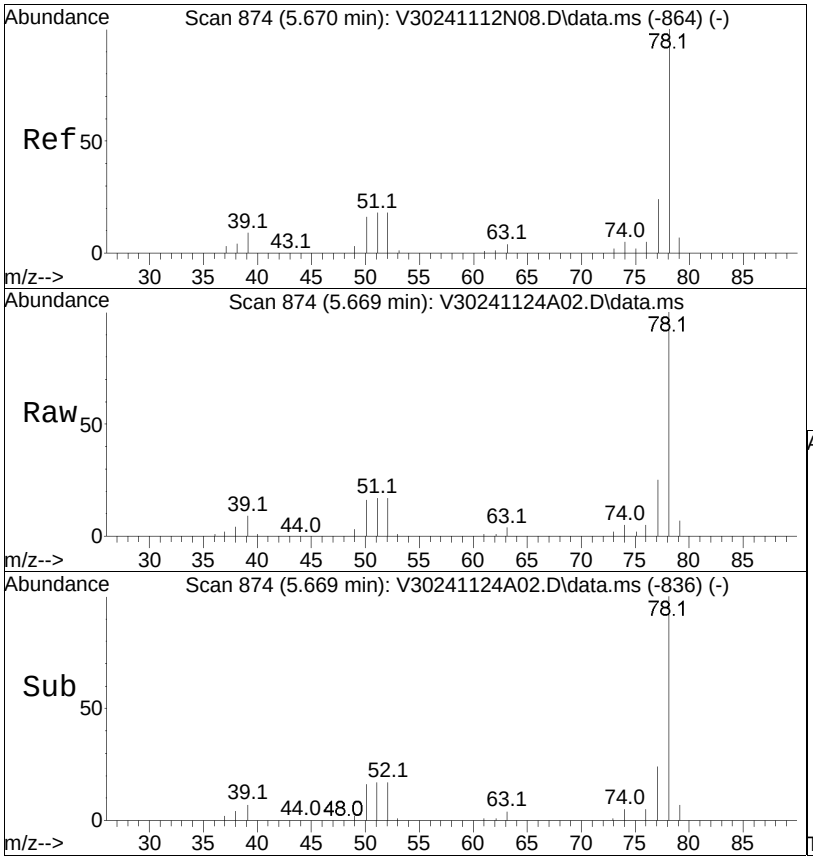


#42
2-Butanone
Concen: 8.77 ug/L
RT: 5.392 min Scan# 821
Delta R.T. 0.011 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 43 Resp: 17525

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.4

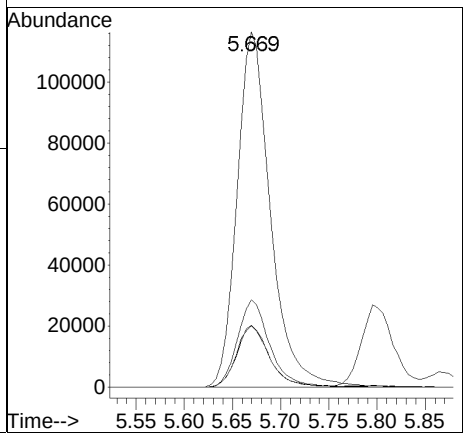


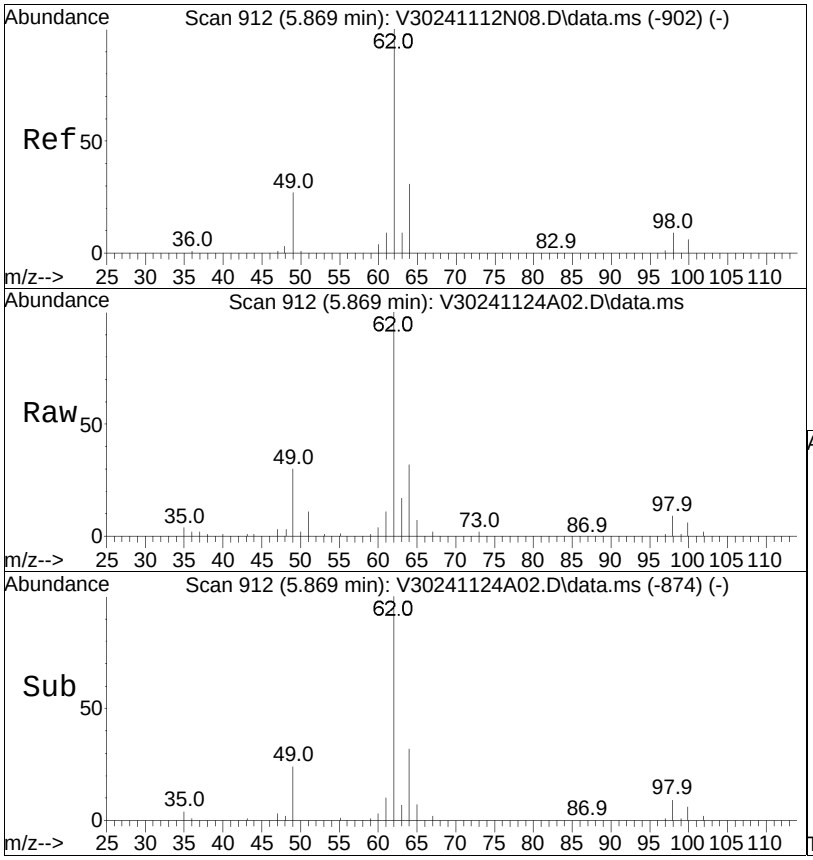


#45
Benzene
Concen: 8.87 ug/L
RT: 5.669 min Scan# 874
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 78 Resp: 281518

Ion	Ratio	Lower	Upper
78	100		
77	24.1	15.6	32.4
51	17.1	12.9	26.7
52	17.1	12.4	25.7

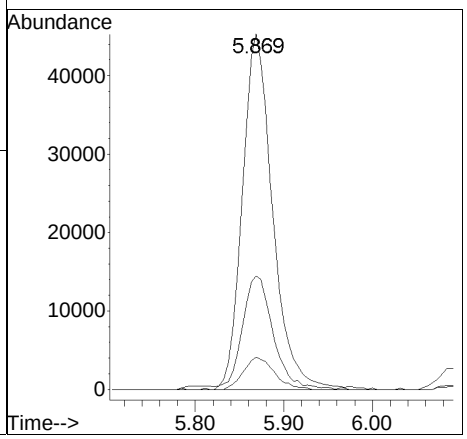


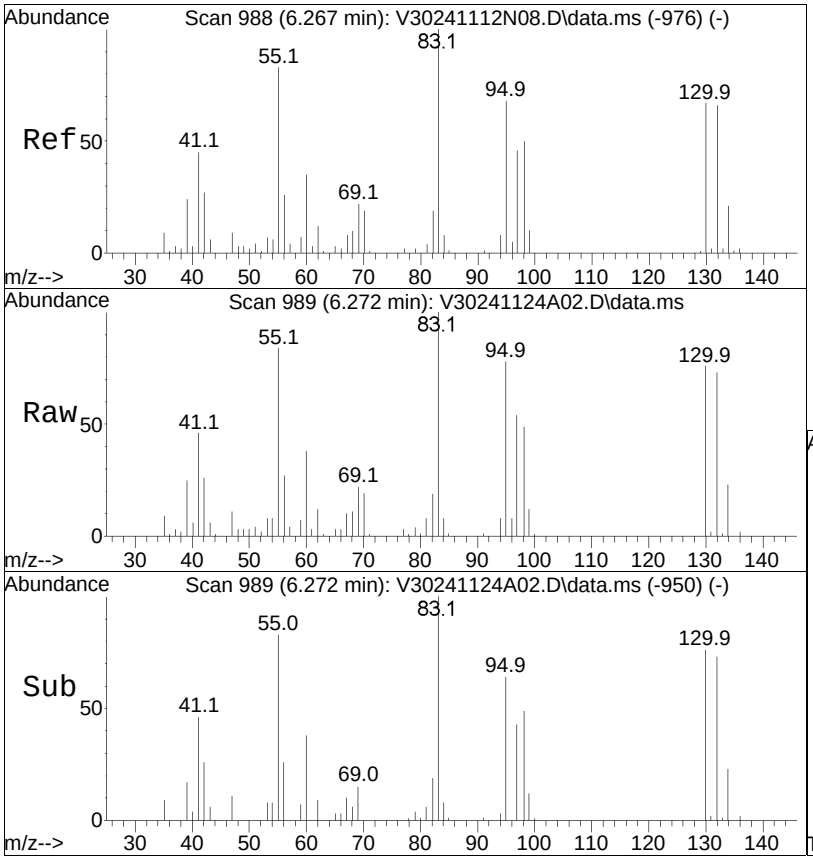


#48
1,2-Dichloroethane
Concen: 9.60 ug/L
RT: 5.869 min Scan# 912
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 62 Resp: 107608

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.5	38.3
98	9.2	5.5	8.3#

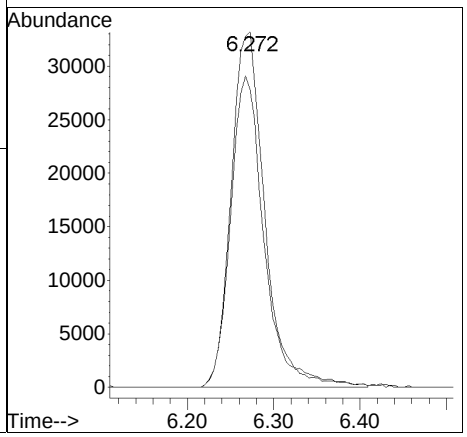


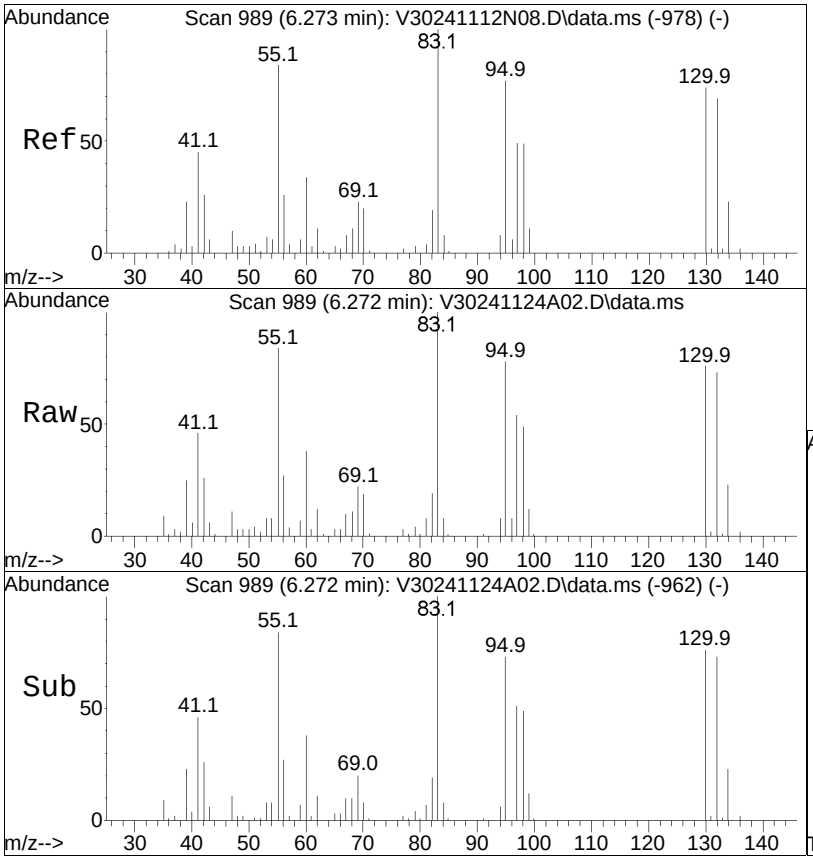


#51
Methyl cyclohexane
Concen: 8.06 ug/L
RT: 6.272 min Scan# 989
Delta R.T. 0.005 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 83 Resp: 90926

Ion	Ratio	Lower	Upper
83	100		
55	86.7	74.6	112.0

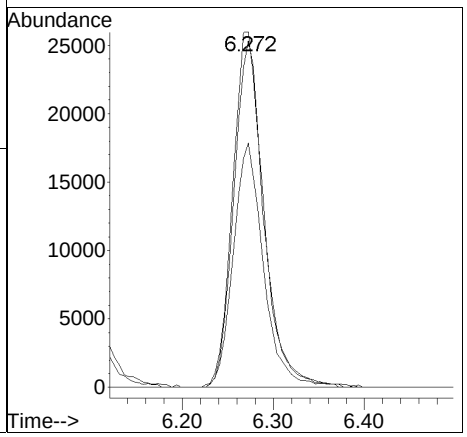


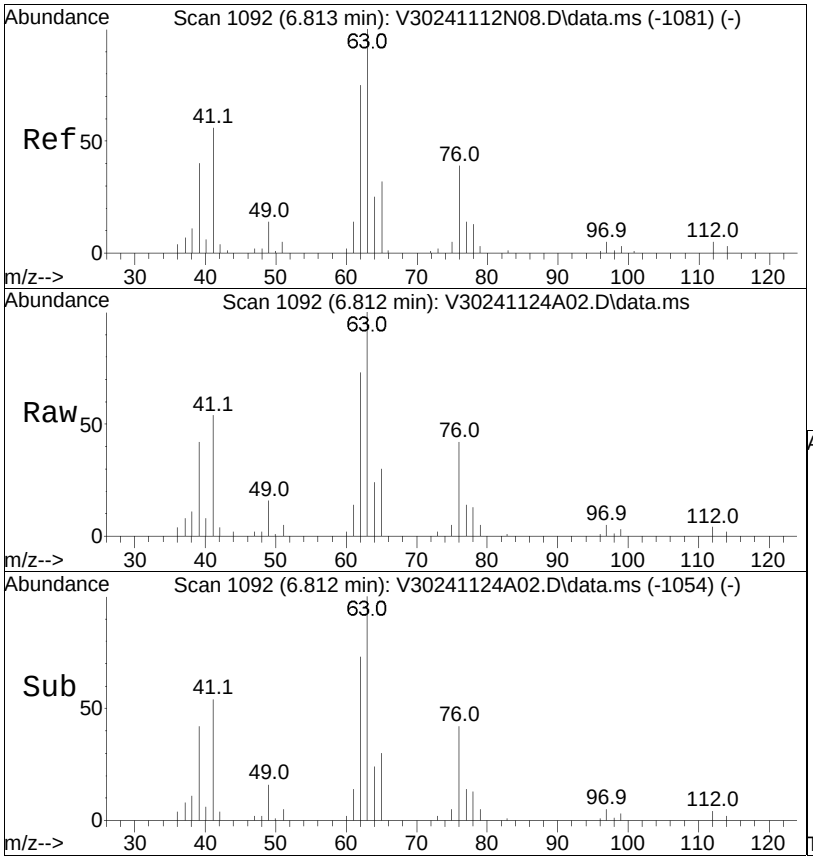


#52
Trichloroethene
Concen: 8.00 ug/L
RT: 6.272 min Scan# 989
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 95 Resp: 61912

Ion	Ratio	Lower	Upper
95	100		
97	66.5	53.8	80.6
130	94.2	71.4	107.0

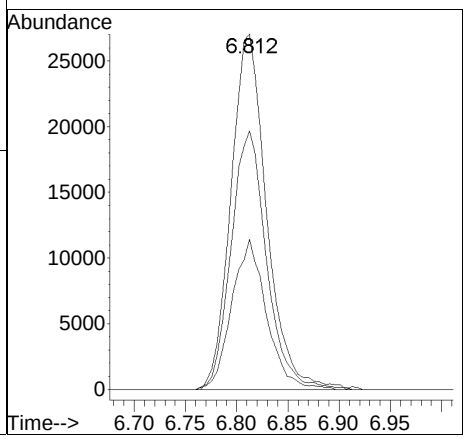


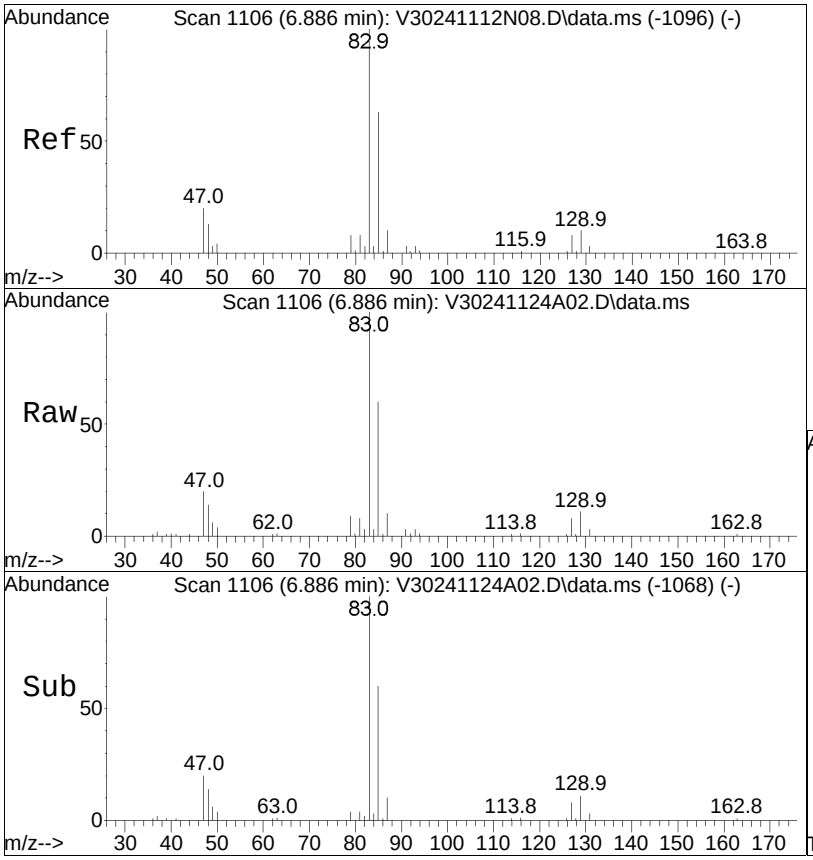


#55
1,2-Dichloropropane
Concen: 7.86 ug/L
RT: 6.812 min Scan# 1092
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 63 Resp: 65606

Ion	Ratio	Lower	Upper
63	100		
62	72.3	58.1	87.1
76	41.1	30.4	45.6

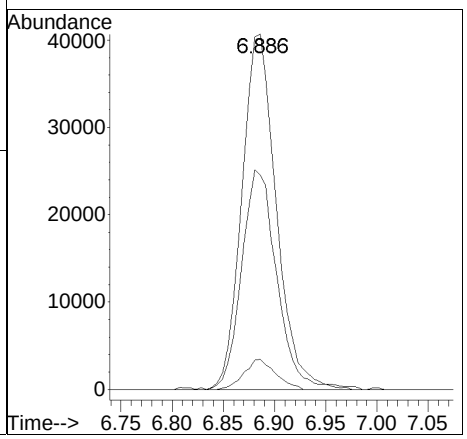


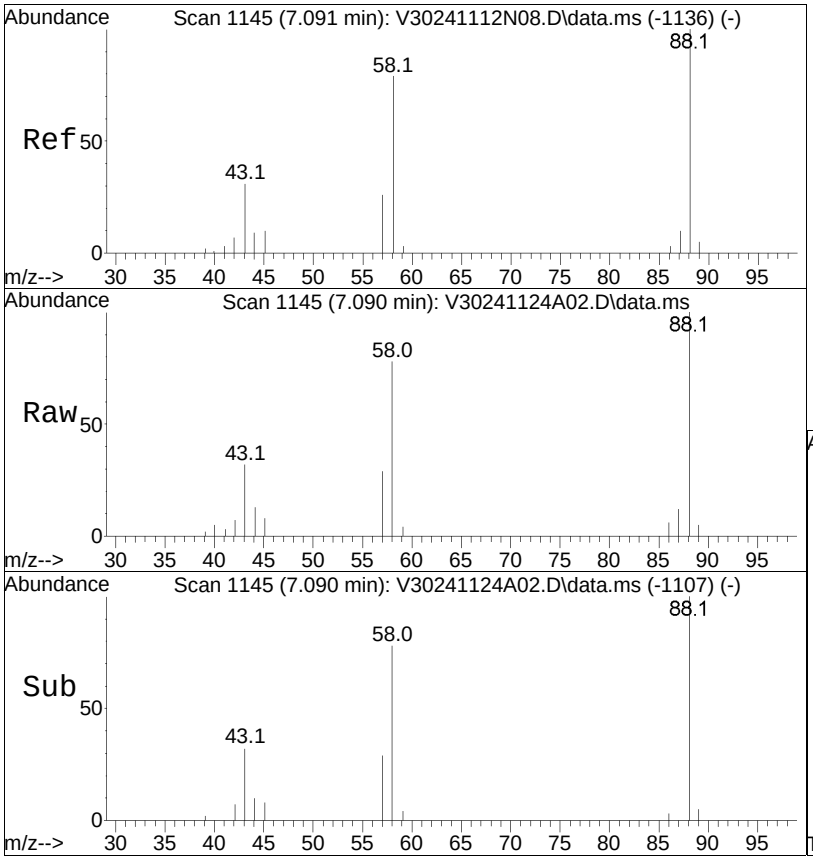


#58
Bromodichloromethane
Concen: 8.42 ug/L
RT: 6.886 min Scan# 1106
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 83 Resp: 95340

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.2	75.2
127	7.7	5.2	7.8

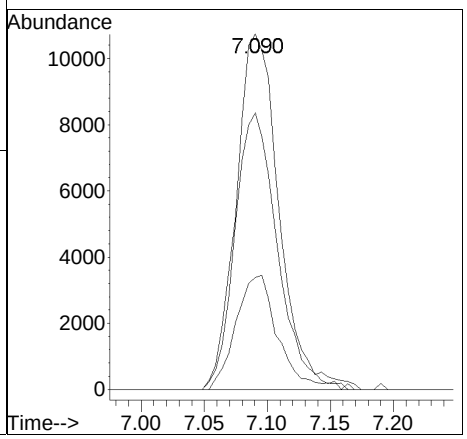


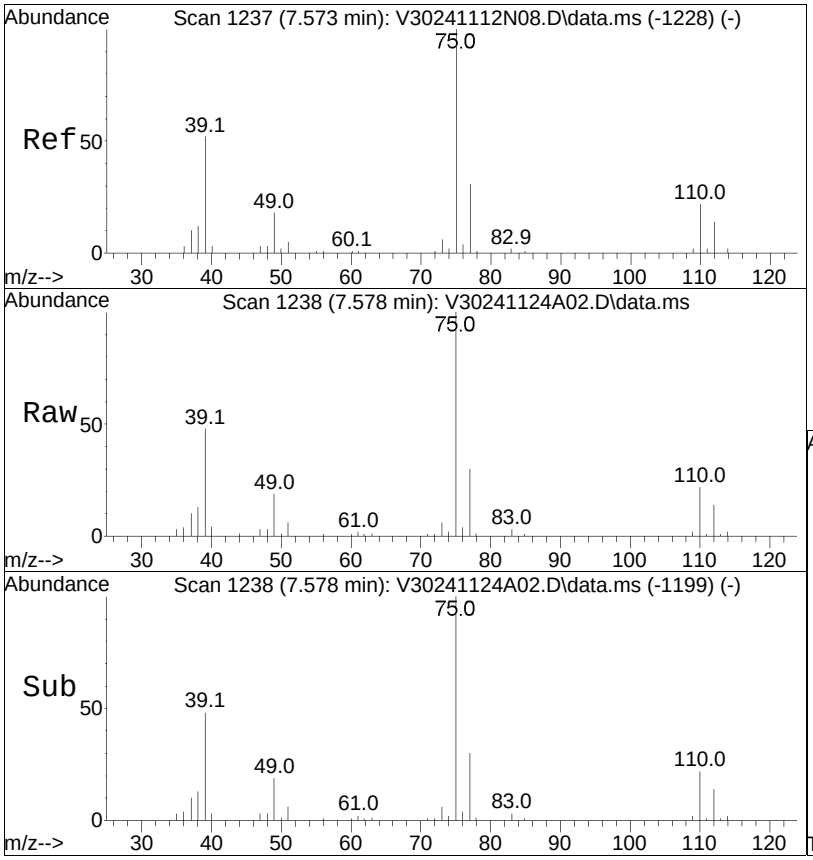


#61
1,4-Dioxane
Concen: 623.37 ug/L
RT: 7.090 min Scan# 1145
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 88 Resp: 25503

Ion	Ratio	Lower	Upper
88	100		
58	76.8	59.9	89.9
43	31.5	30.8	46.2

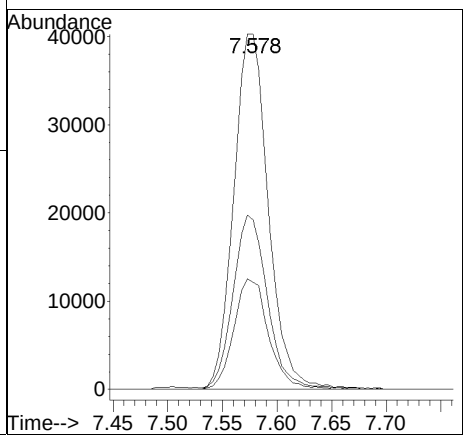


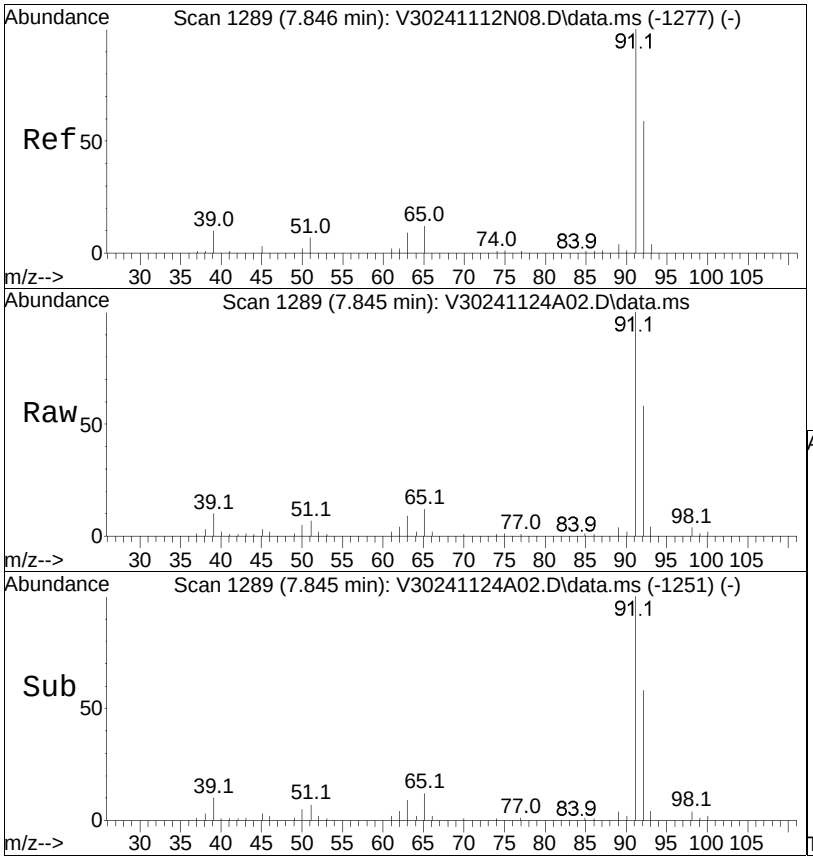


#62
cis-1,3-Dichloropropene
Concen: 7.68 ug/L
RT: 7.578 min Scan# 1238
Delta R.T. 0.005 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 75 Resp: 89036

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2
39	47.5	54.6	82.0#

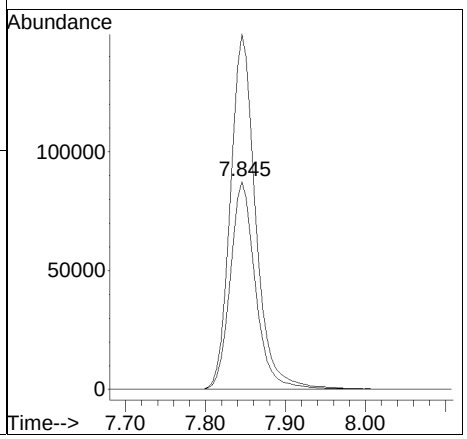


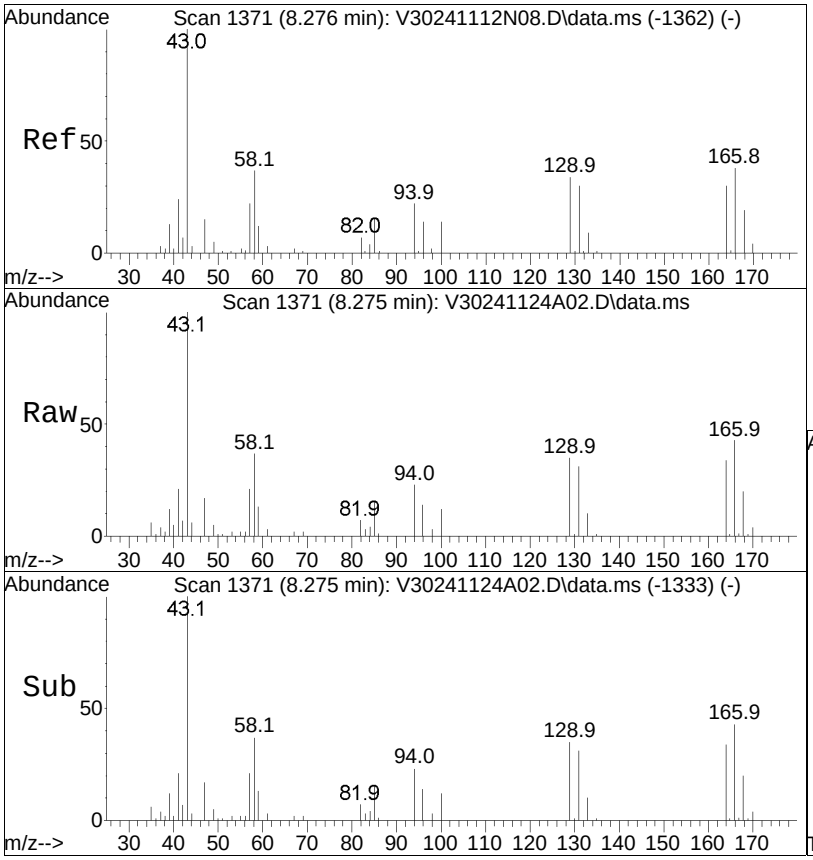


#65
Toluene
Concen: 9.09 ug/L
RT: 7.845 min Scan# 1289
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 92 Resp: 192035

Ion	Ratio	Lower	Upper
92	100		
91	170.9	137.5	206.3

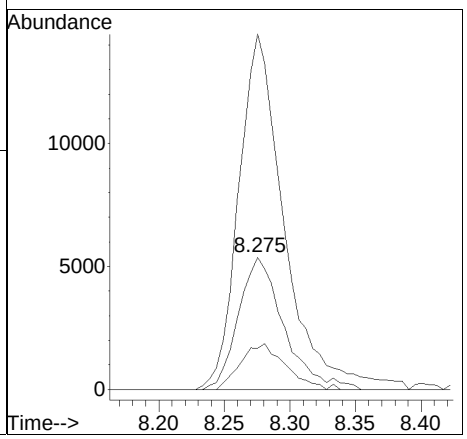


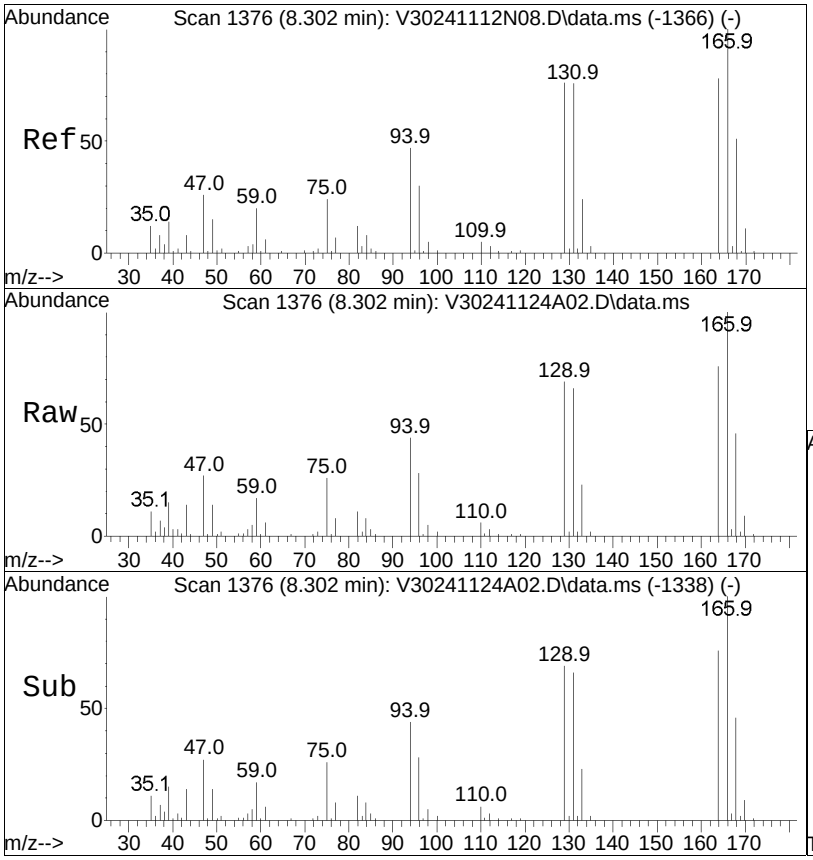


#66
4-Methyl-2-pentanone
Concen: 8.34 ug/L
RT: 8.275 min Scan# 1371
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 58 Resp: 12918

Ion	Ratio	Lower	Upper
58	100		
100	34.5	22.6	34.0#
43	271.0	234.6	351.8

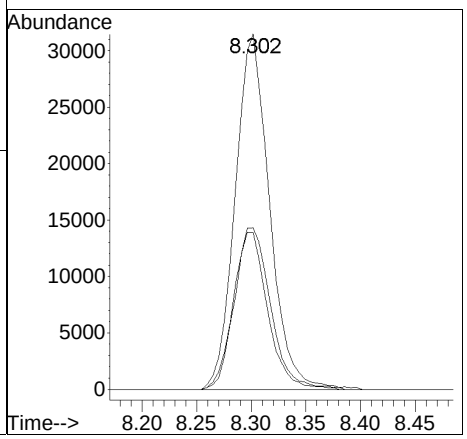


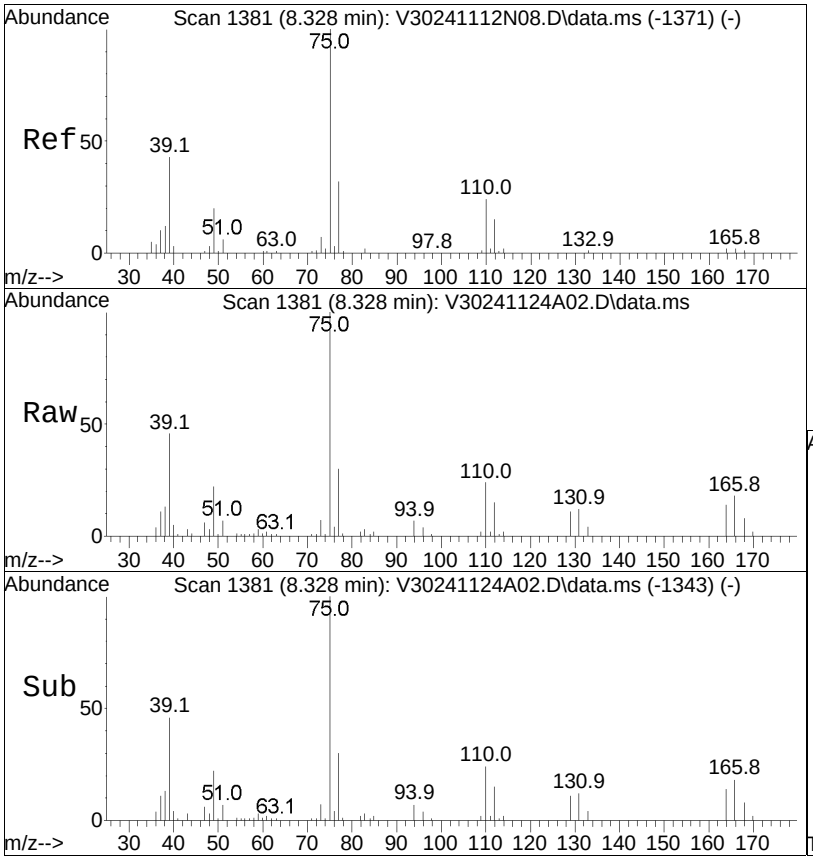


#67
Tetrachloroethene
Concen: 8.99 ug/L
RT: 8.302 min Scan# 1376
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:166 Resp: 68906

Ion	Ratio	Lower	Upper
166	100		
168	47.7	38.6	58.0
94	44.3	42.6	63.8

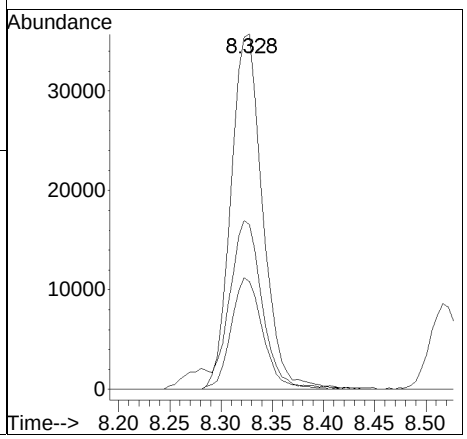


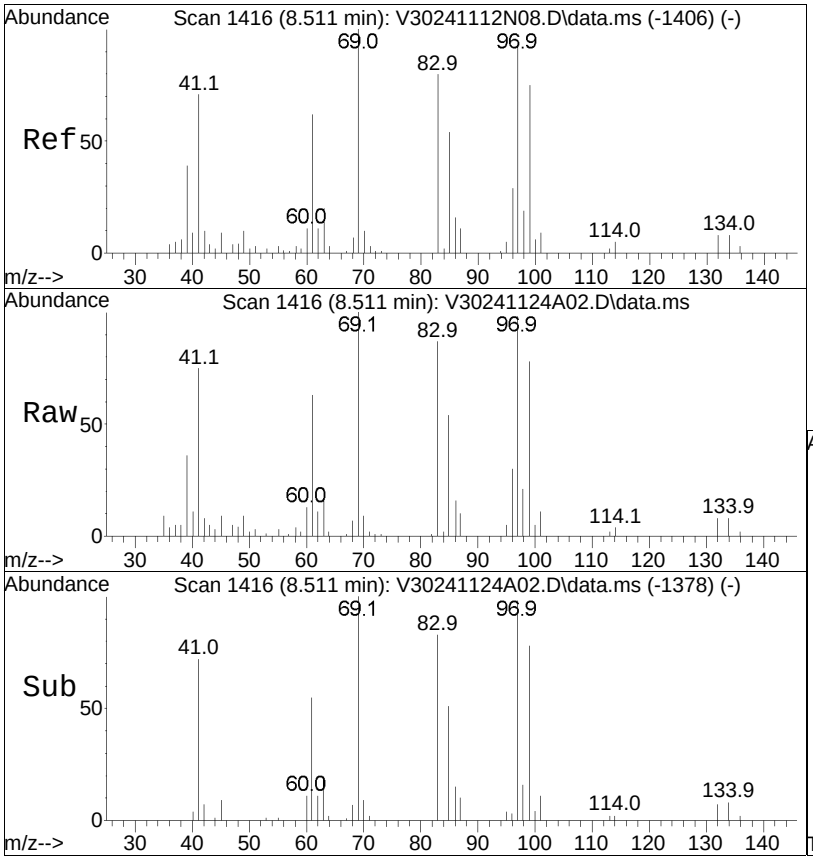


#69
trans-1,3-Dichloropropene
Concen: 7.88 ug/L
RT: 8.328 min Scan# 1381
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 75 Resp: 77377

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4
39	53.3	60.2	90.4#

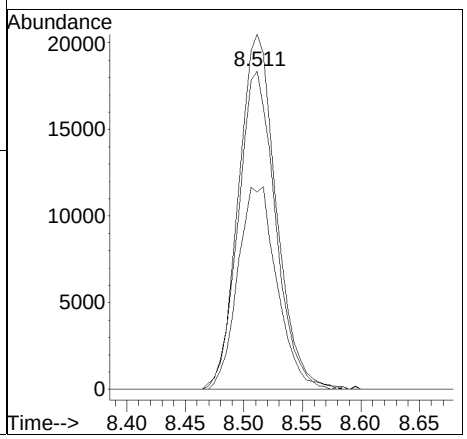


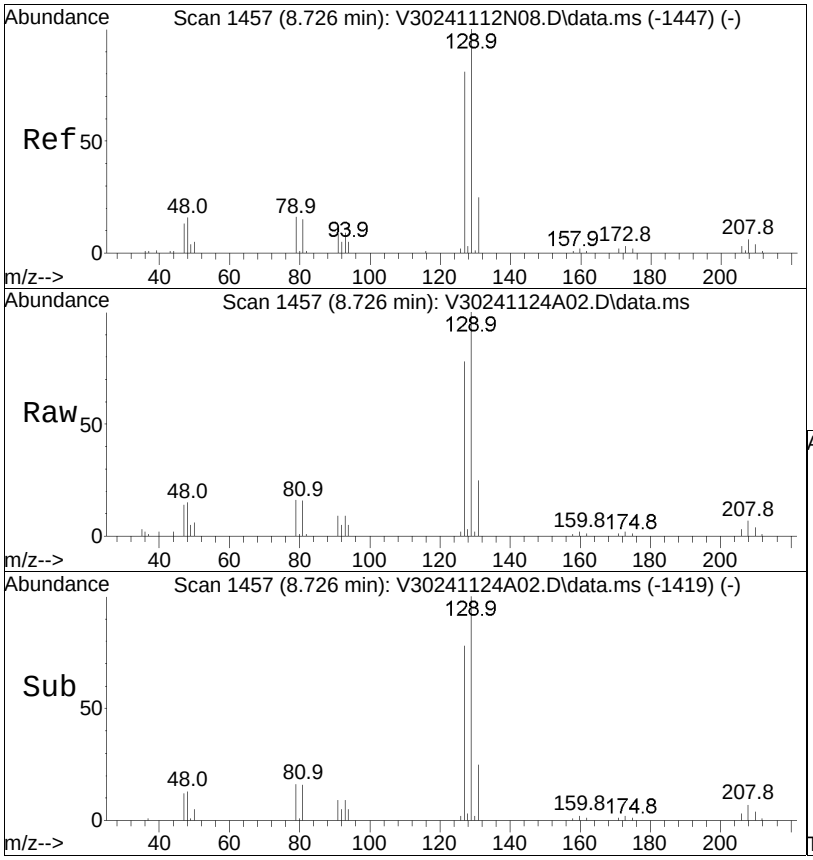


#72
1,1,2-Trichloroethane
Concen: 8.69 ug/L
RT: 8.511 min Scan# 1416
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 83 Resp: 40887

Ion	Ratio	Lower	Upper
83	100		
97	112.5	87.7	131.5
85	66.9	53.1	79.7

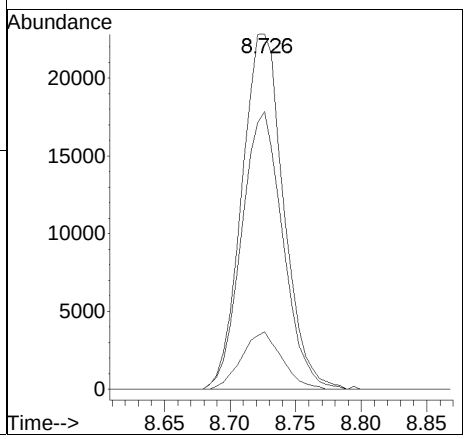


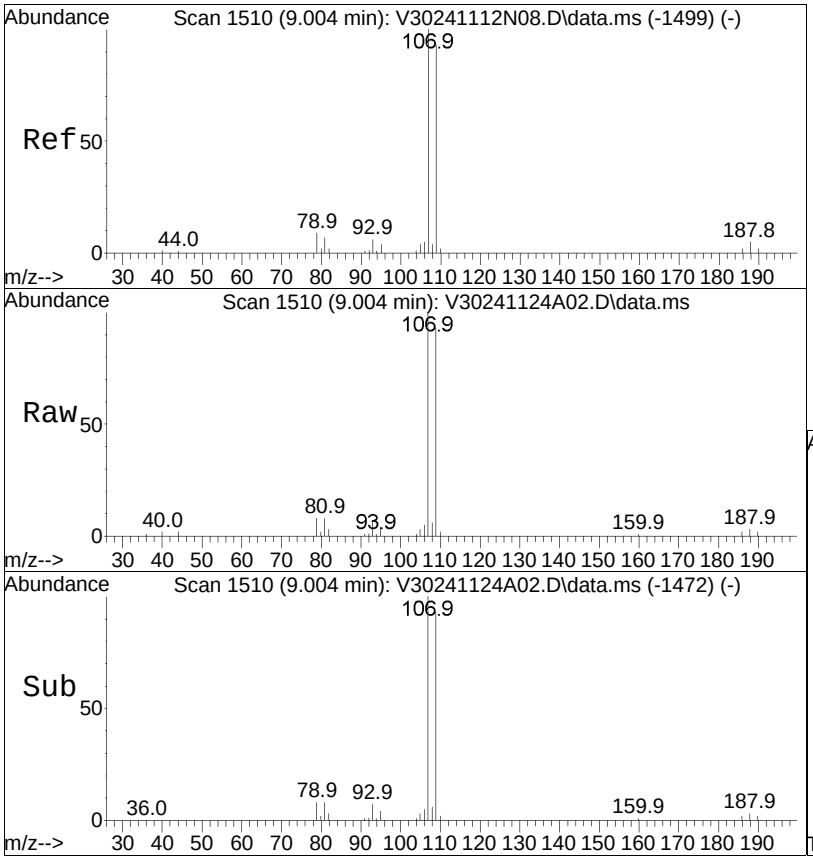


#73
Chlorodibromomethane
Concen: 7.86 ug/L
RT: 8.726 min Scan# 1457
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:129 Resp: 50787

Ion	Ratio	Lower	Upper
129	100		
81	15.7	14.6	22.0
127	77.2	62.6	93.8

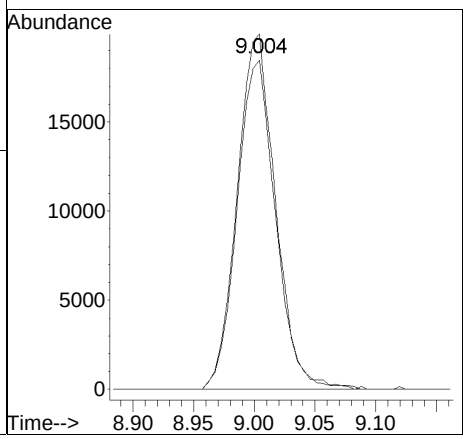


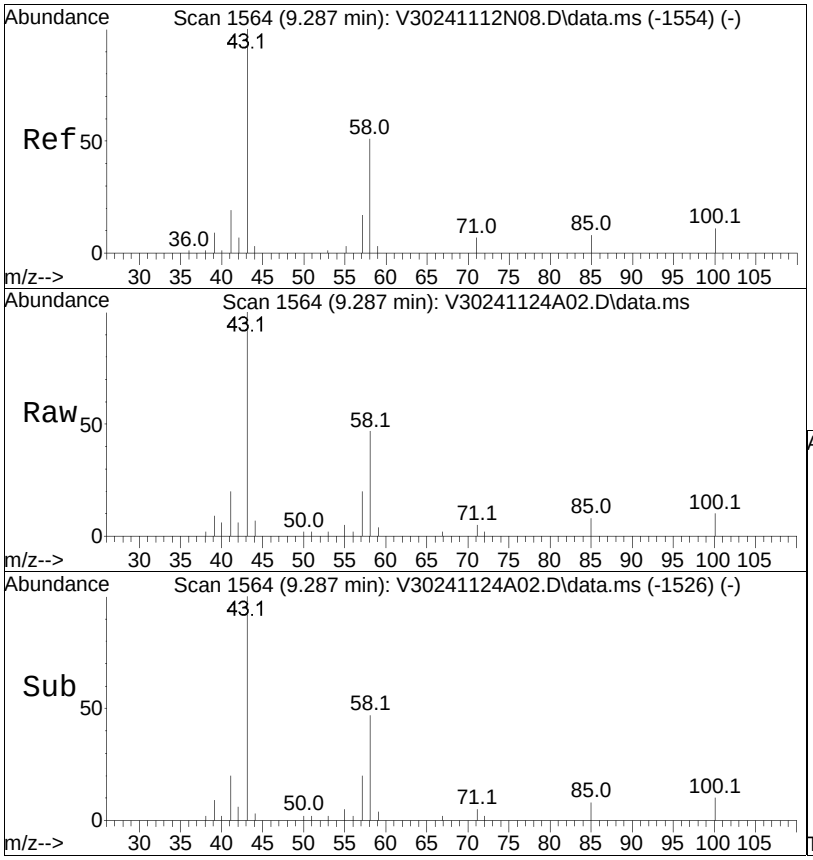


#75
1,2-Dibromoethane
Concen: 8.77 ug/L
RT: 9.004 min Scan# 1510
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:107 Resp: 43818

Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.0	112.4

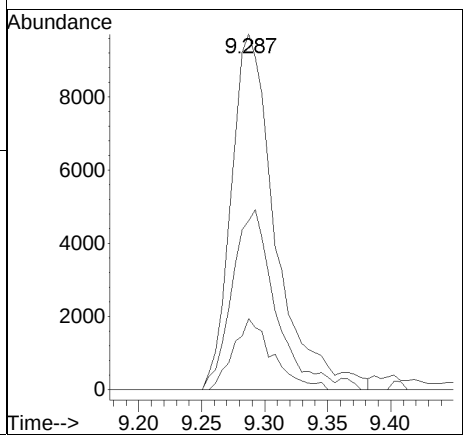


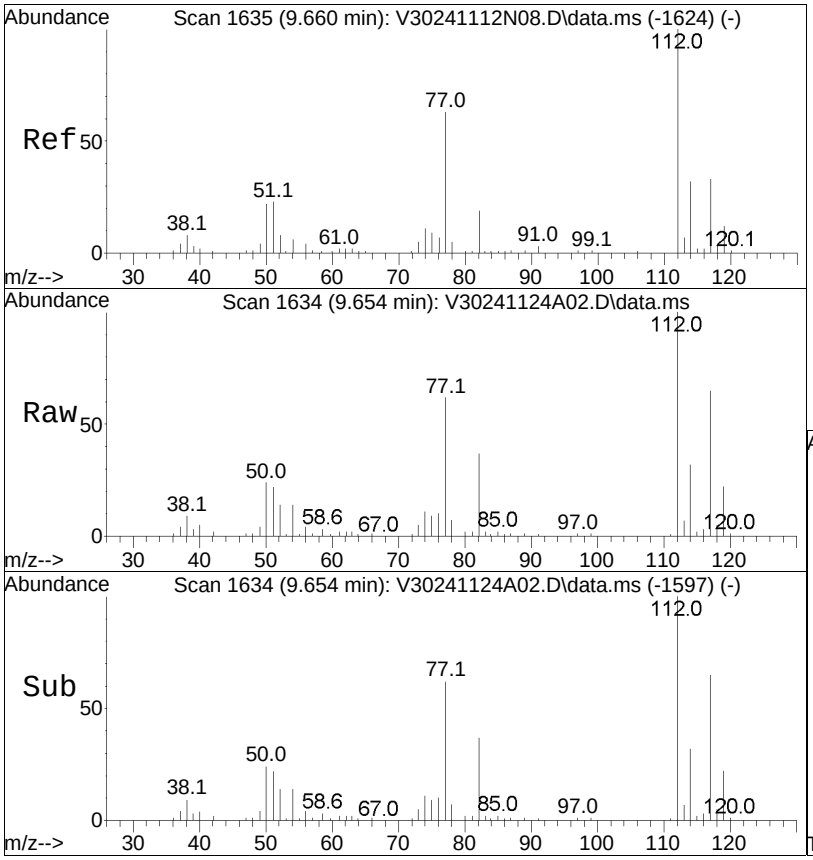


#77
2-Hexanone
Concen: 8.37 ug/L
RT: 9.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 43 Resp: 23770

Ion	Ratio	Lower	Upper
43	100		
58	49.2	38.6	58.0
57	17.7	14.1	21.1

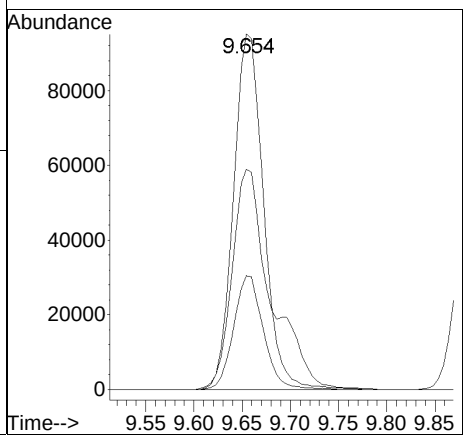


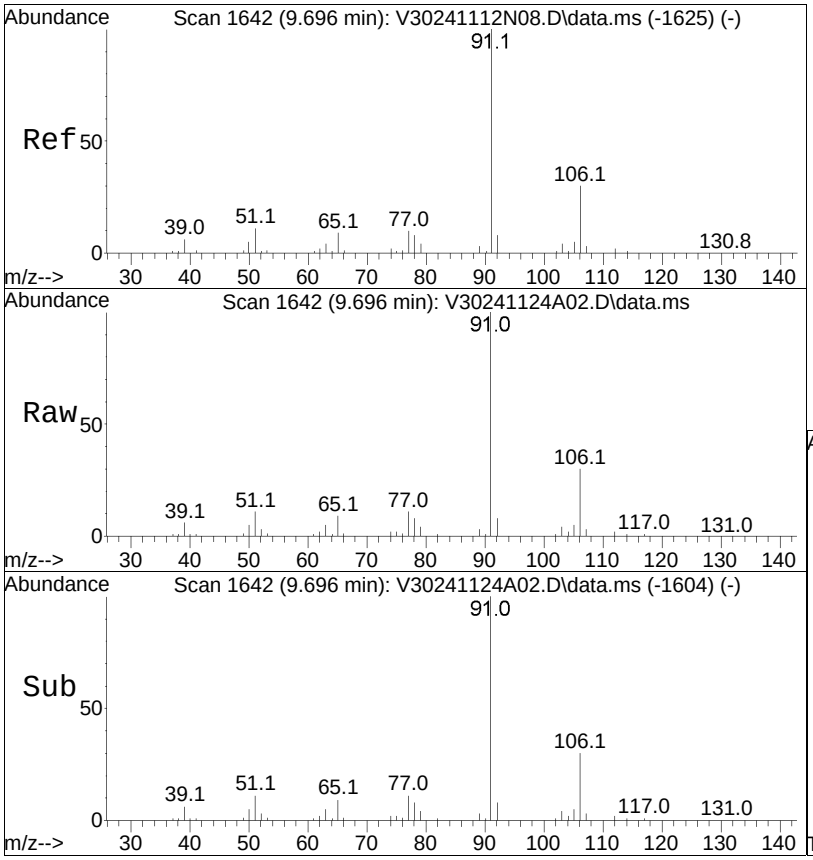


#78
Chlorobenzene
Concen: 9.17 ug/L
RT: 9.654 min Scan# 1634
Delta R.T. -0.006 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:112 Resp: 206488

Ion	Ratio	Lower	Upper
112	100		
77	79.8	54.8	82.2
114	31.6	25.4	38.0

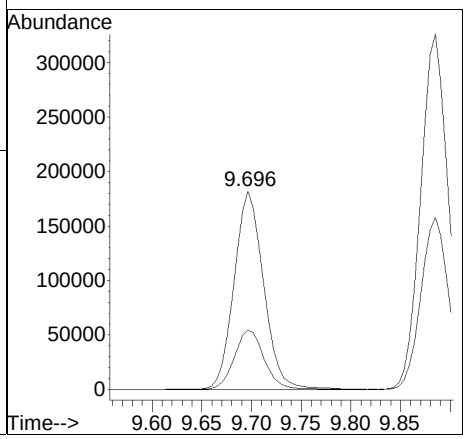


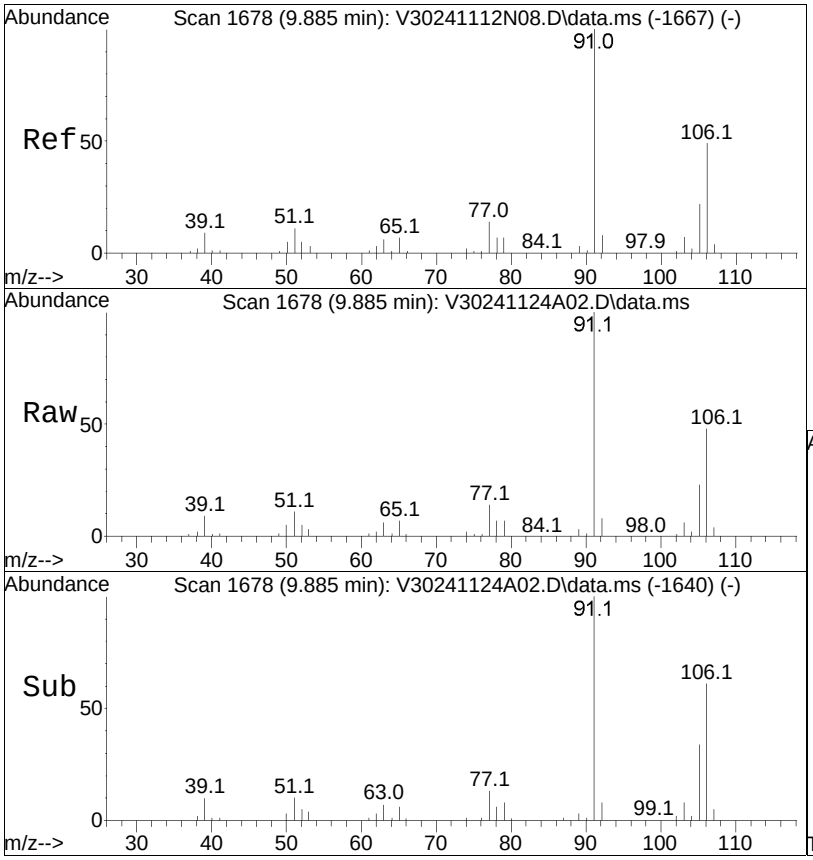


#79
Ethylbenzene
Concen: 9.06 ug/L
RT: 9.696 min Scan# 1642
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 91 Resp: 376395

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.4	35.2

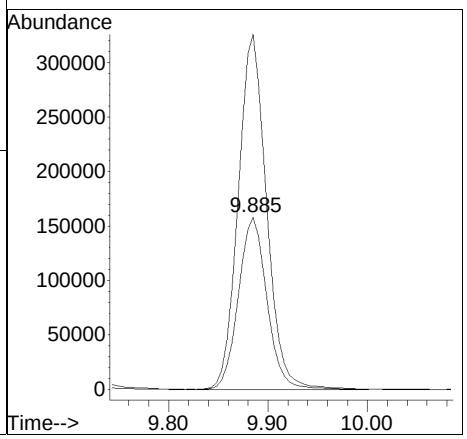


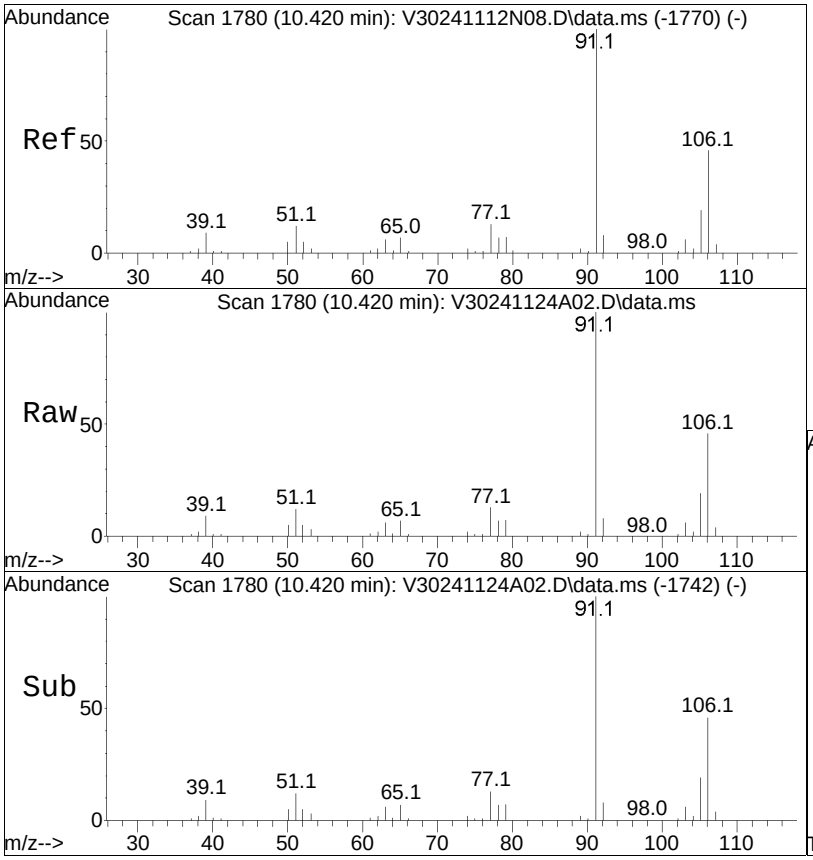


#81
p/m Xylene
Concen: 18.87 ug/L
RT: 9.885 min Scan# 1678
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:106 Resp: 315515

Ion	Ratio	Lower	Upper
106	100		
91	204.8	171.4	257.2

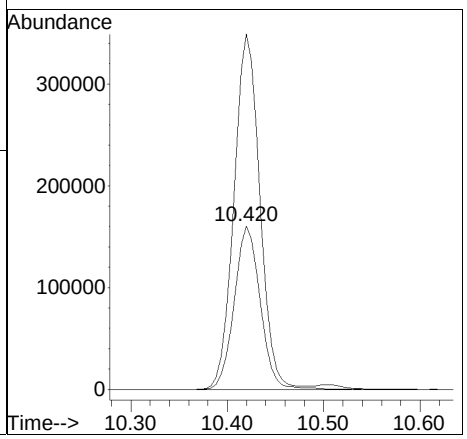


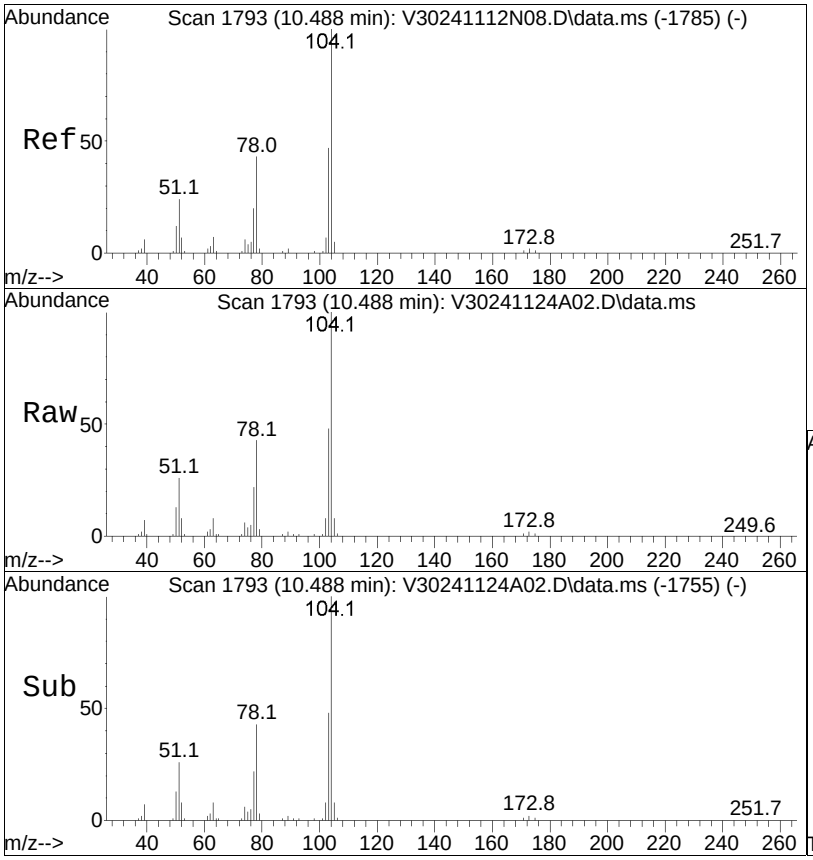


#82
o Xylene
Concen: 18.68 ug/L
RT: 10.420 min Scan# 1780
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:106 Resp: 300575

Ion	Ratio	Lower	Upper
106	100		
91	216.3	179.2	268.8

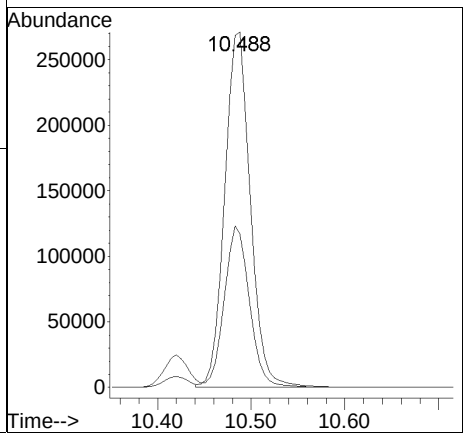


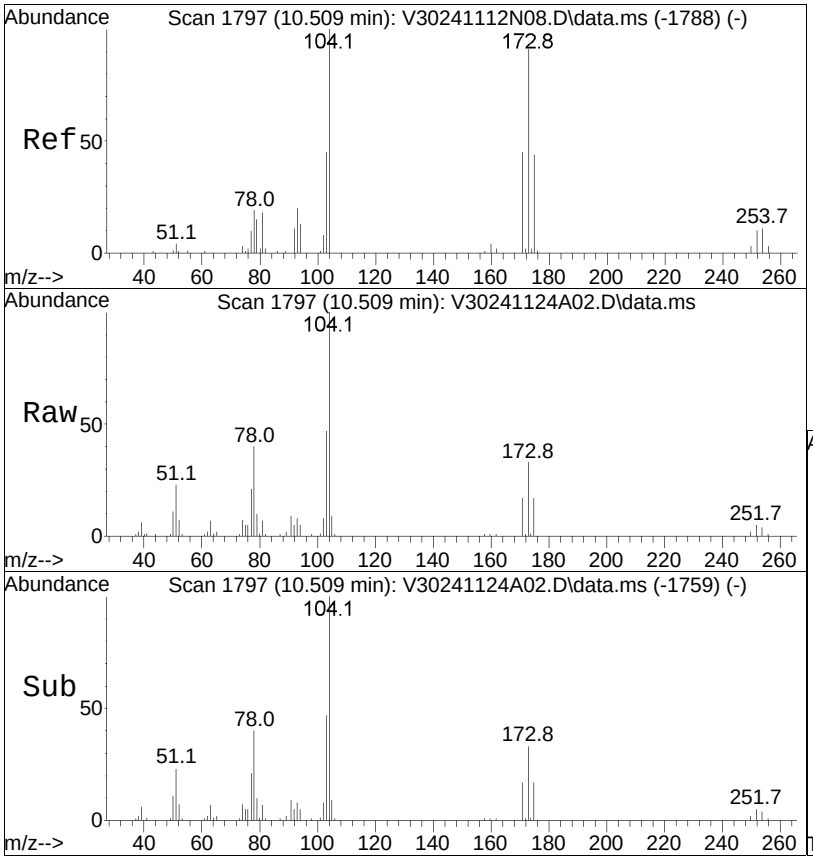


#83
Styrene
Concen: 19.52 ug/L
RT: 10.488 min Scan# 1793
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:104 Resp: 516015

Ion	Ratio	Lower	Upper
104	100		
78	44.6	38.1	57.1

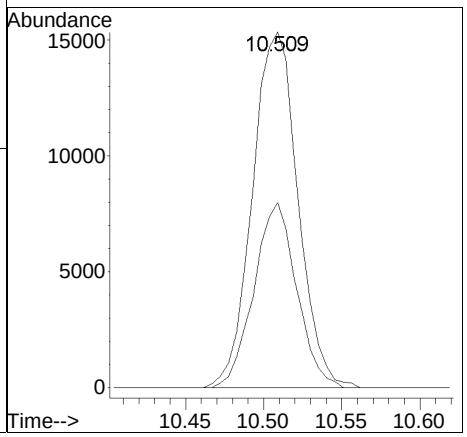


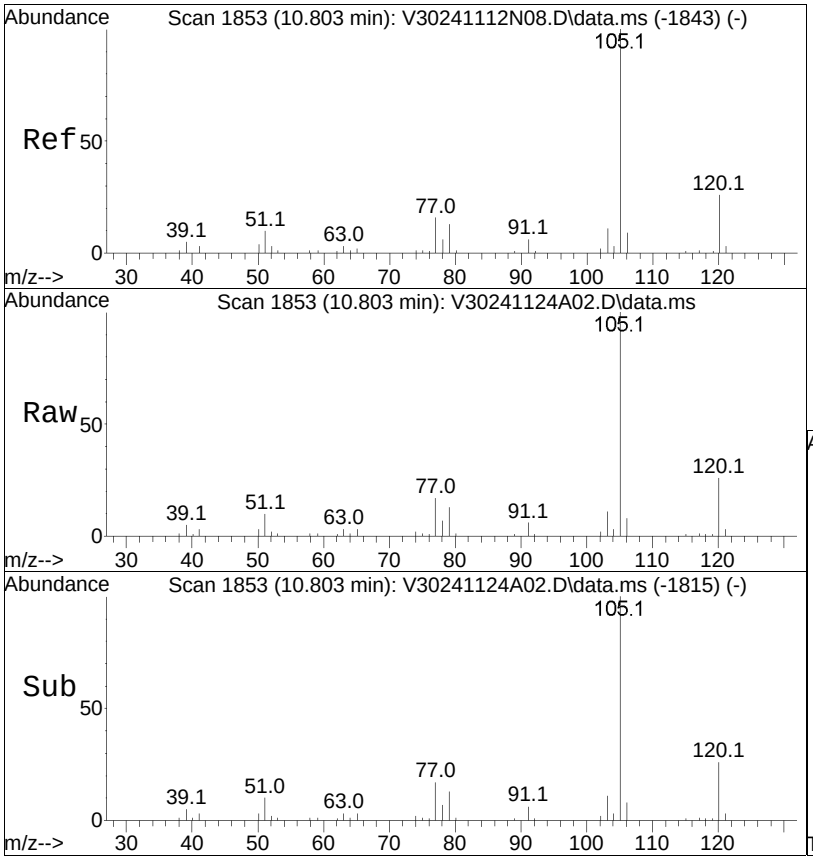


#85
Bromoform
Concen: 7.80 ug/L
RT: 10.509 min Scan# 1797
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:173 Resp: 31031

Ion	Ratio	Lower	Upper
173	100		
175	48.7	37.8	56.6

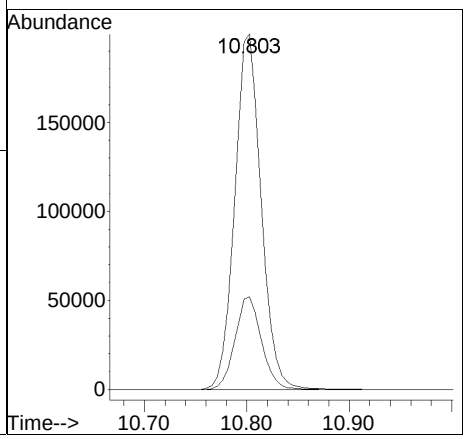


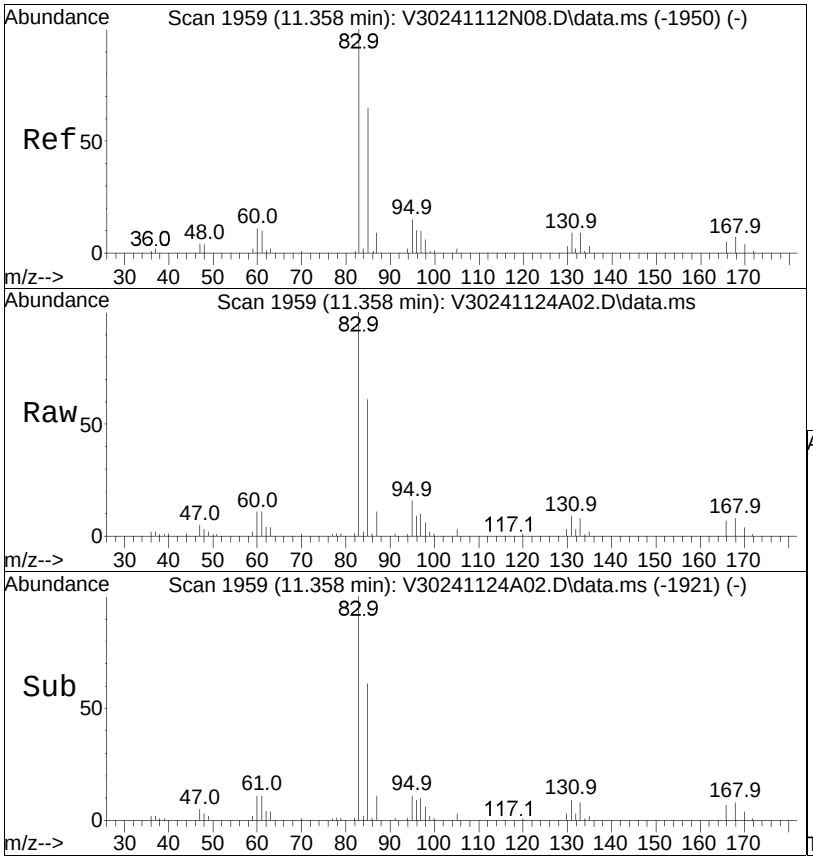


#87
Isopropylbenzene
Concen: 8.38 ug/L
RT: 10.803 min Scan# 1853
Delta R.T. -0.001 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:105 Resp: 356741

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.0	30.0

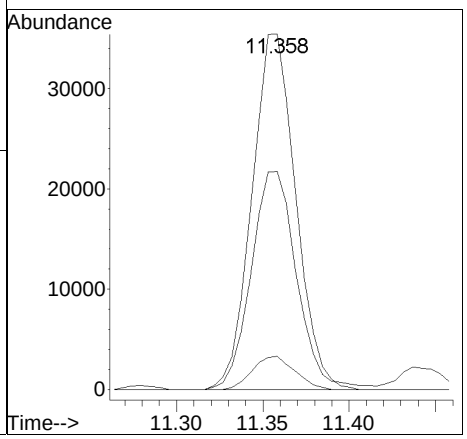


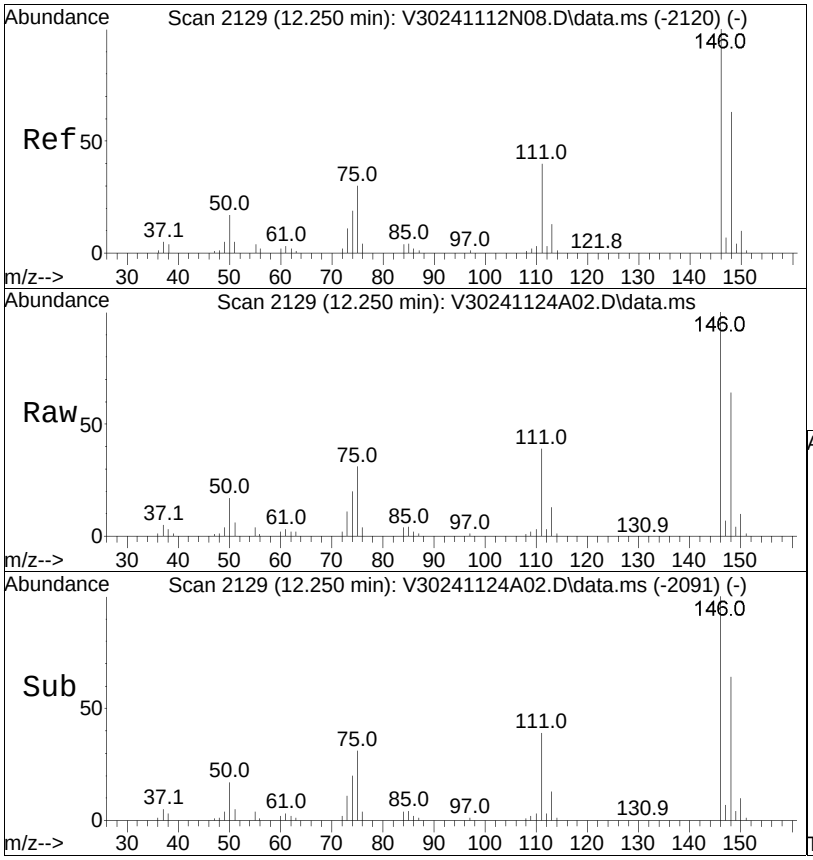


#92
1,1,2,2-Tetrachloroethane
Concen: 9.37 ug/L
RT: 11.358 min Scan# 1959
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion: 83 Resp: 62451

Ion	Ratio	Lower	Upper
83	100		
131	9.0	6.6	10.0
85	63.9	51.8	77.6

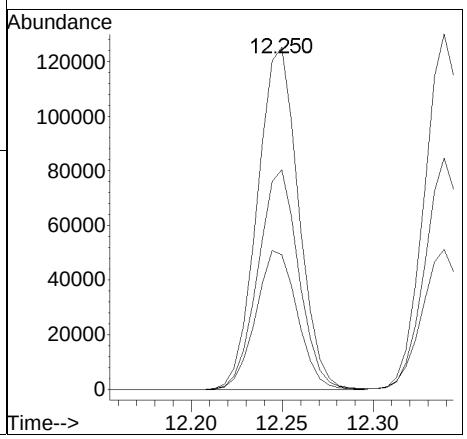


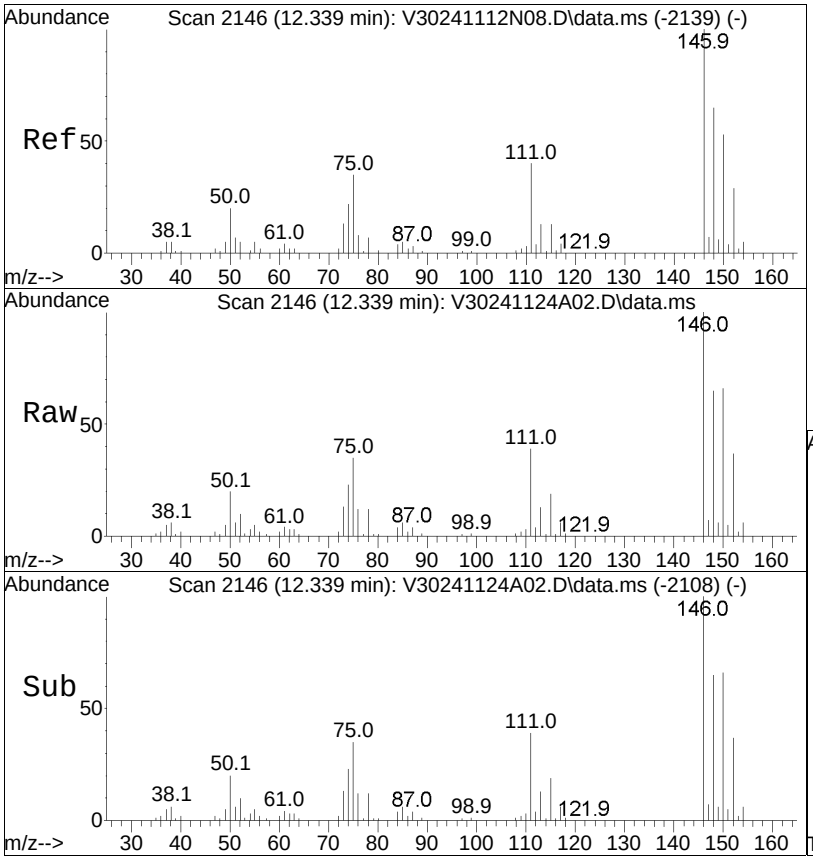


#105
1,3-Dichlorobenzene
Concen: 9.10 ug/L
RT: 12.250 min Scan# 2129
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:146 Resp: 197015

Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.0	58.1
148	63.3	40.8	84.6

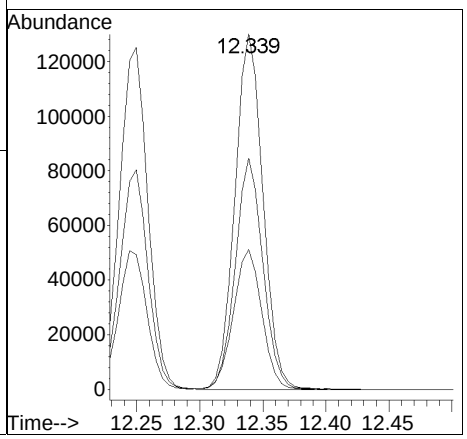


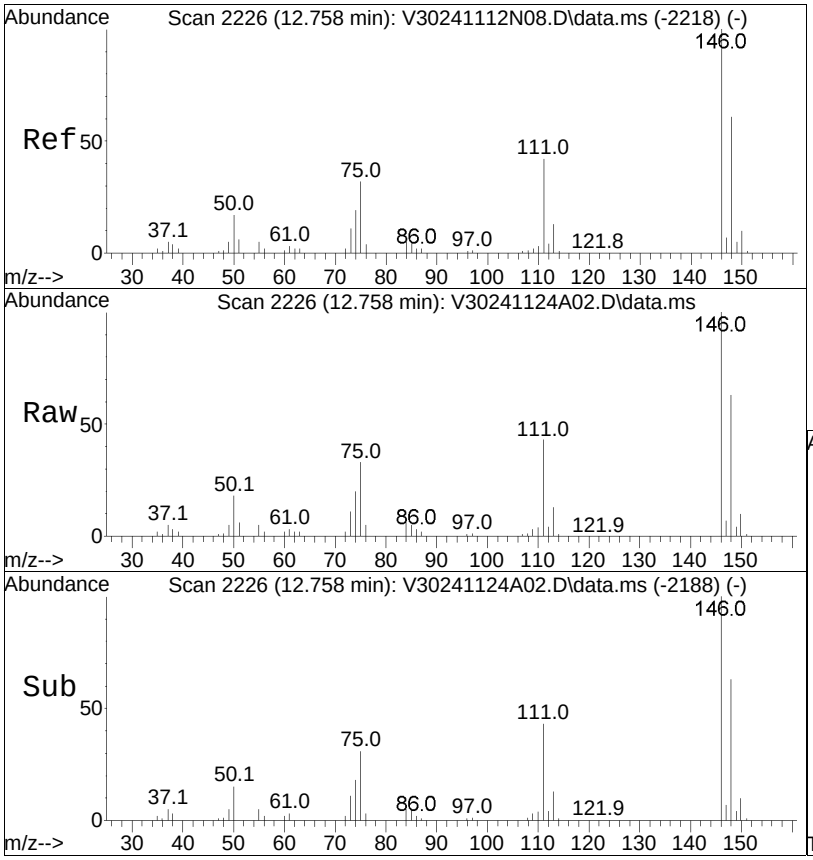


#106
1,4-Dichlorobenzene
Concen: 9.11 ug/L
RT: 12.339 min Scan# 2146
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:146 Resp: 201456

Ion	Ratio	Lower	Upper
146	100		
111	40.1	33.7	50.5
148	64.1	50.8	76.2

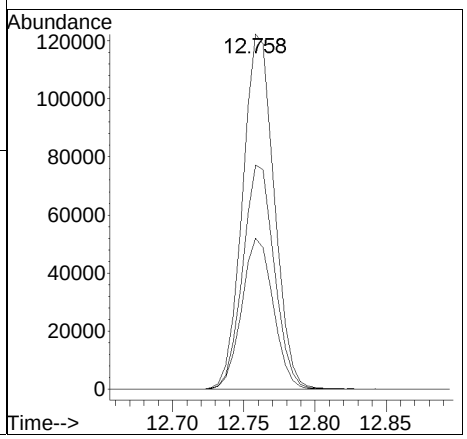


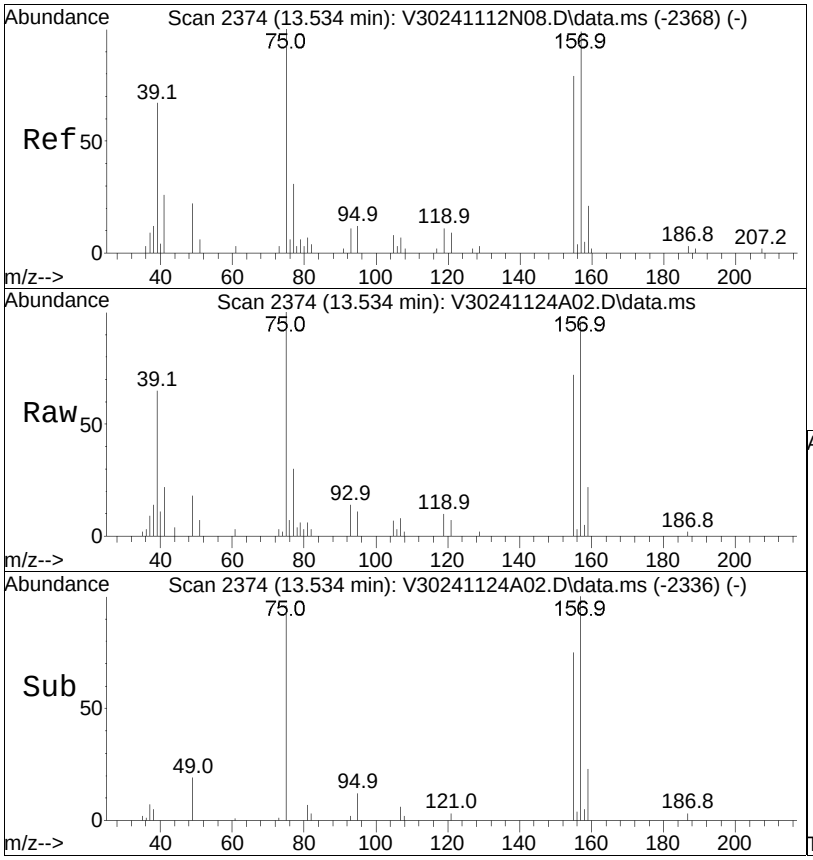


#109
1,2-Dichlorobenzene
Concen: 9.22 ug/L
RT: 12.758 min Scan# 2226
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:146 Resp: 189116

Ion	Ratio	Lower	Upper
146	100		
111	42.5	29.5	61.3
148	63.1	41.3	85.9

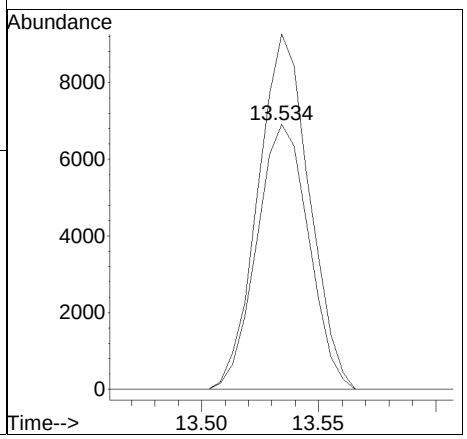


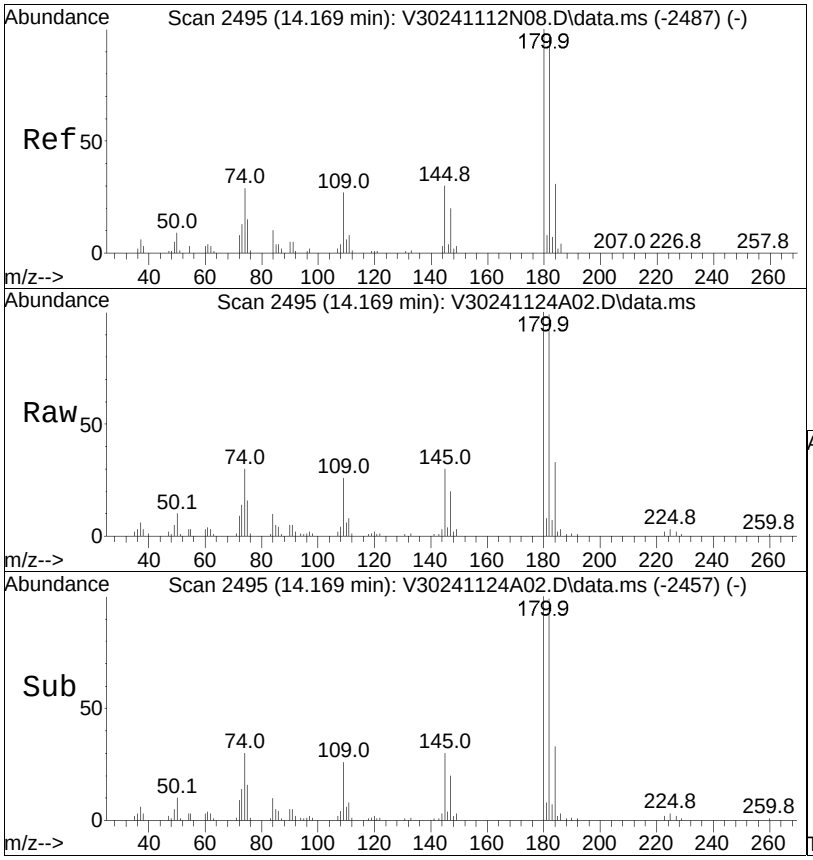


#111
1,2-Dibromo-3-chloropropane
Concen: 9.59 ug/L
RT: 13.534 min Scan# 2374
Delta R.T. 0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:155 Resp: 10657

Ion	Ratio	Lower	Upper
155	100		
157	132.4	105.1	157.7

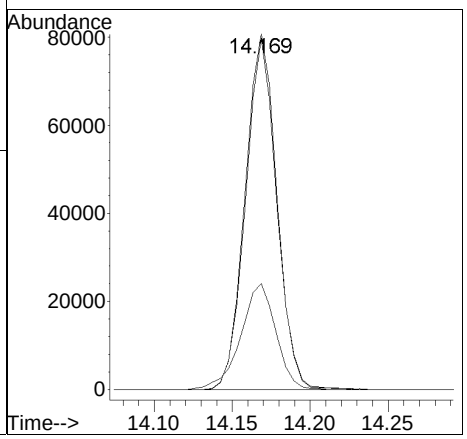


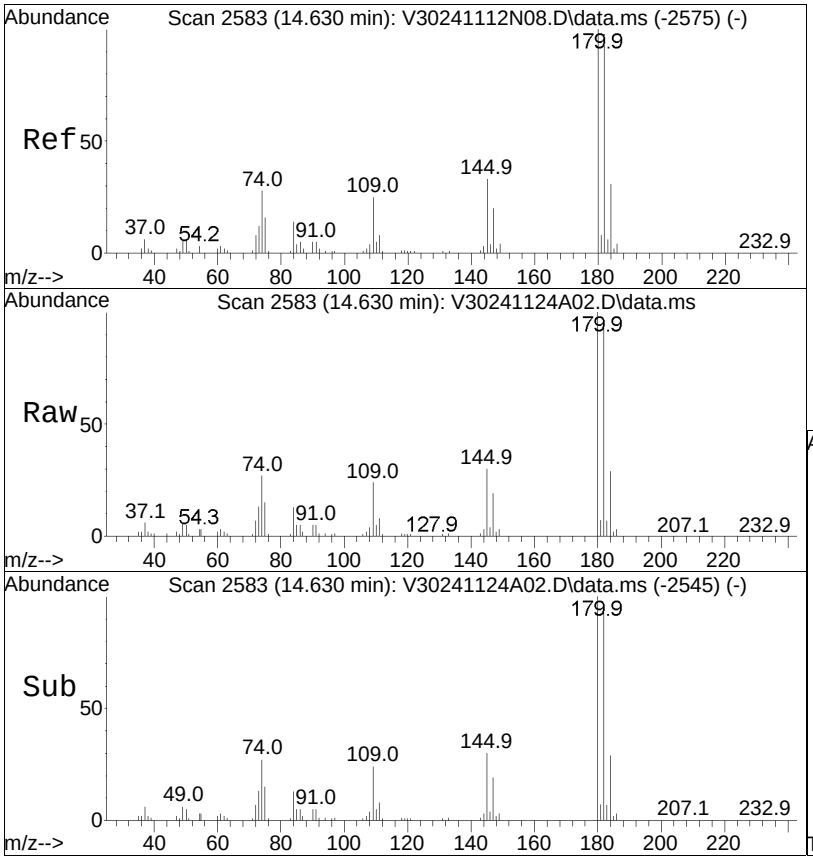


#114
1,2,4-Trichlorobenzene
Concen: 8.52 ug/L
RT: 14.169 min Scan# 2495
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:180 Resp: 114342

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.7	113.5
145	32.7	27.4	41.2

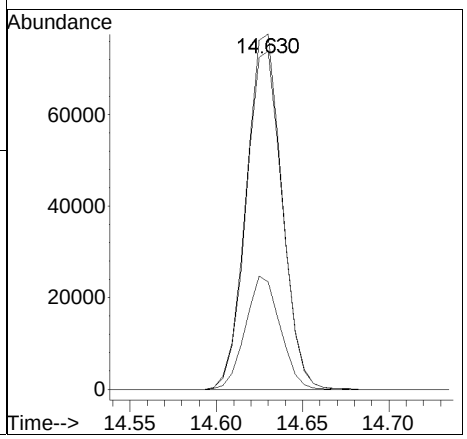




#116
1,2,3-Trichlorobenzene
Concen: 8.97 ug/L
RT: 14.630 min Scan# 2583
Delta R.T. -0.000 min
Lab File: V30241124A02.D
Acq: 24 Nov 2024 09:12 am

Tgt Ion:180 Resp: 112068

Ion	Ratio	Lower	Upper
180	100		
182	95.8	74.9	112.3
145	31.0	26.0	39.0



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A02.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 9:12 am	Instrument	: VOA130
Sample	: WG2001917-3,31,10,10	Quant Date	: 11/24/2024 9:32 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A03.D
Acq On : 24 Nov 2024 09:34 am
Operator : VOA130:PID
Sample : WG2001917-4,31,10,10
Misc : WG2001917,ICAL21702
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 24 09:59:07 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.089	96	447223	10.000	ug/L		0.00
Standard Area 1 = 425566			Recovery = 105.09%				
63) Chlorobenzene-d5	9.633	117	362615	10.000	ug/L		0.00
Standard Area 1 = 345808			Recovery = 104.86%				
84) 1,4-Dichlorobenzene-d4	12.323	152	238034	10.000	ug/L		0.00
Standard Area 1 = 228216			Recovery = 104.30%				
System Monitoring Compounds							
39) Dibromofluoromethane	5.271	113	164610	10.708	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.08%				
47) 1,2-Dichloroethane-d4	5.801	65	173235	11.254	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.54%				
64) Toluene-d8	7.788	98	489300	10.059	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.59%				
88) 4-Bromofluorobenzene	11.117	95	197038	9.585	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.85%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.674	85	96963	8.976	ug/L	#	83
3) Chloromethane	1.863	50	106838	8.109	ug/L	#	87
4) Vinyl chloride	1.942	62	104144	8.044	ug/L	#	86
5) Bromomethane	2.256	94	40872	5.818	ug/L		96
6) Chloroethane	2.372	64	70478	8.889	ug/L		99
7) Trichlorofluoromethane	2.519	101	121846	8.399	ug/L		99
10) 1,1-Dichloroethene	3.017	96	77259	8.296	ug/L		82
11) Carbon disulfide	3.043	76	242725	8.657	ug/L		100
12) Freon-113	3.053	101	71492	8.088	ug/L		92
15) Methylene chloride	3.572	84	100190	8.717	ug/L		85
17) Acetone	3.604	43	17889	10.175	ug/L		90
18) trans-1,2-Dichloroethene	3.724	96	83036	8.301	ug/L		88
19) Methyl acetate	3.730	43	40143	9.594	ug/L	#	88
21) Methyl tert-butyl ether	3.824	73	100458	6.515	ug/L		94
25) 1,1-Dichloroethane	4.312	63	179239	8.610	ug/L		98
30) cis-1,2-Dichloroethene	4.831	96	95717	8.416	ug/L		86
33) Bromochloromethane	5.025	128	44629	8.750	ug/L	#	71
34) Cyclohexane	5.035	56	97944	6.475	ug/L		88
35) Chloroform	5.098	83	170270	8.891	ug/L		94
37) Carbon tetrachloride	5.240	117	78892	7.025	ug/L		98

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A03.D
Acq On : 24 Nov 2024 09:34 am
Operator : VOA130:PID
Sample : WG2001917-4,31,10,10
Misc : WG2001917,ICAL21702
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 24 09:59:07 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	5.303	97	104294	7.616	ug/L		95
42) 2-Butanone	5.387	43	19089M3	9.087	ug/L		
45) Benzene	5.670	78	257986	7.732	ug/L		97
48) 1,2-Dichloroethane	5.869	62	101452	8.616	ug/L	#	98
51) Methyl cyclohexane	6.267	83	82710	6.973	ug/L		94
52) Trichloroethene	6.267	95	55740	6.856	ug/L		95
55) 1,2-Dichloropropane	6.813	63	60358	6.883	ug/L		98
58) Bromodichloromethane	6.881	83	88419	7.427	ug/L		99
61) 1,4-Dioxane	7.091	88	23830	554.270	ug/L		96
62) cis-1,3-Dichloropropene	7.573	75	83271	6.832	ug/L	#	84
65) Toluene	7.846	92	174149	7.862	ug/L		100
66) 4-Methyl-2-pentanone	8.275	58	12925	7.956	ug/L	#	89
67) Tetrachloroethene	8.302	166	61470	7.650	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	72383	7.075	ug/L	#	83
72) 1,1,2-Trichloroethane	8.511	83	39771	8.065	ug/L		99
73) Chlorodibromomethane	8.726	129	49171	7.286	ug/L		97
75) 1,2-Dibromoethane	8.999	107	42067	8.030	ug/L		100
77) 2-Hexanone	9.287	43	23599	7.920	ug/L		97
78) Chlorobenzene	9.654	112	188982	8.001	ug/L		90
79) Ethylbenzene	9.696	91	337822	7.752	ug/L		98
81) p/m Xylene	9.885	106	282382	16.105	ug/L		94
82) o Xylene	10.420	106	270850	16.055	ug/L		95
83) Styrene	10.483	104	466145	16.814	ug/L		95
85) Bromoform	10.504	173	29796	7.211	ug/L		96
87) Isopropylbenzene	10.803	105	317358	7.149	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.358	83	60786	8.740	ug/L		100
105) 1,3-Dichlorobenzene	12.250	146	178728	7.918	ug/L		97
106) 1,4-Dichlorobenzene	12.339	146	182674	7.917	ug/L		99
109) 1,2-Dichlorobenzene	12.758	146	172139	8.045	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.534	155	10741	9.265	ug/L		92
114) 1,2,4-Trichlorobenzene	14.169	180	106020	7.575	ug/L		99
116) 1,2,3-Trichlorobenzene	14.625	180	103897	7.970	ug/L		98

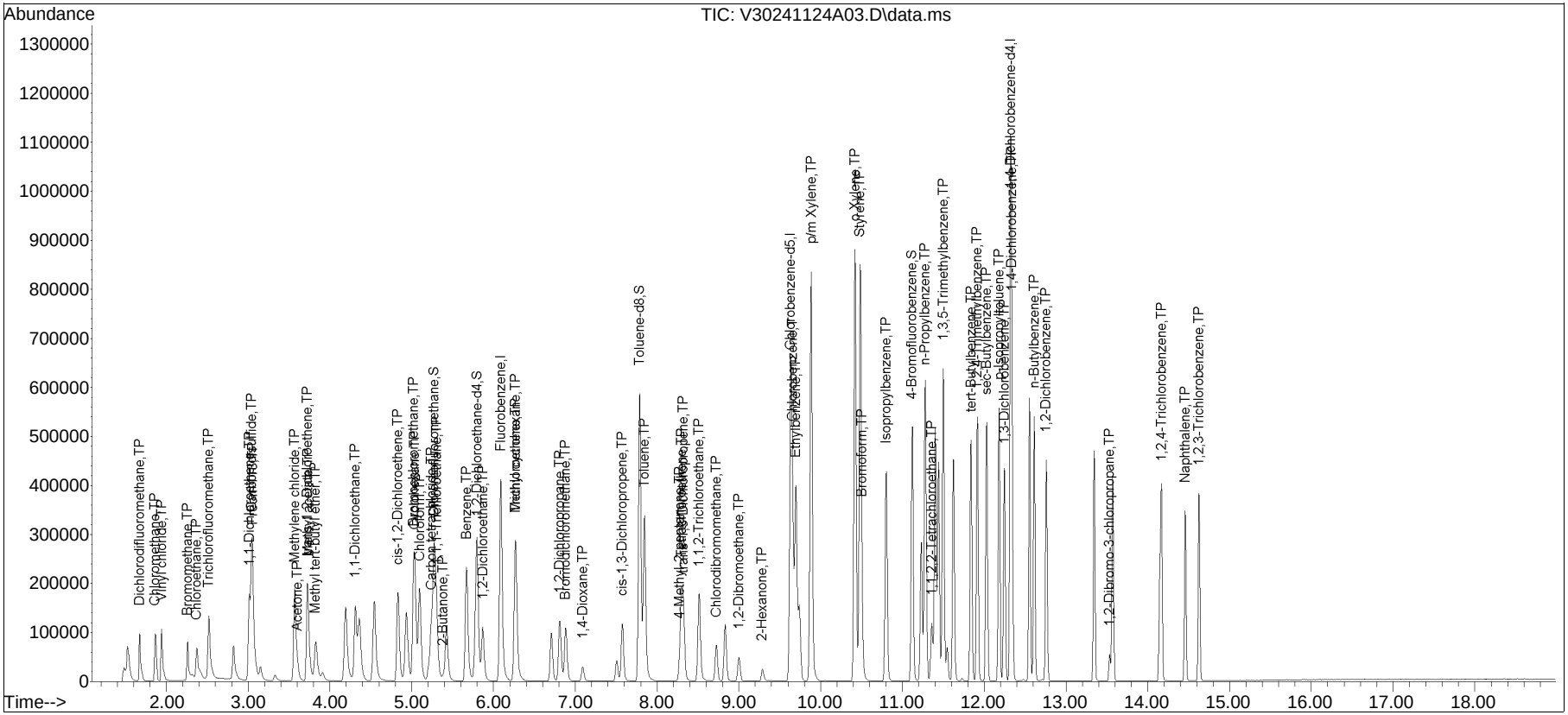
(#) = qualifier out of range (m) = manual integration (+) = signals summed

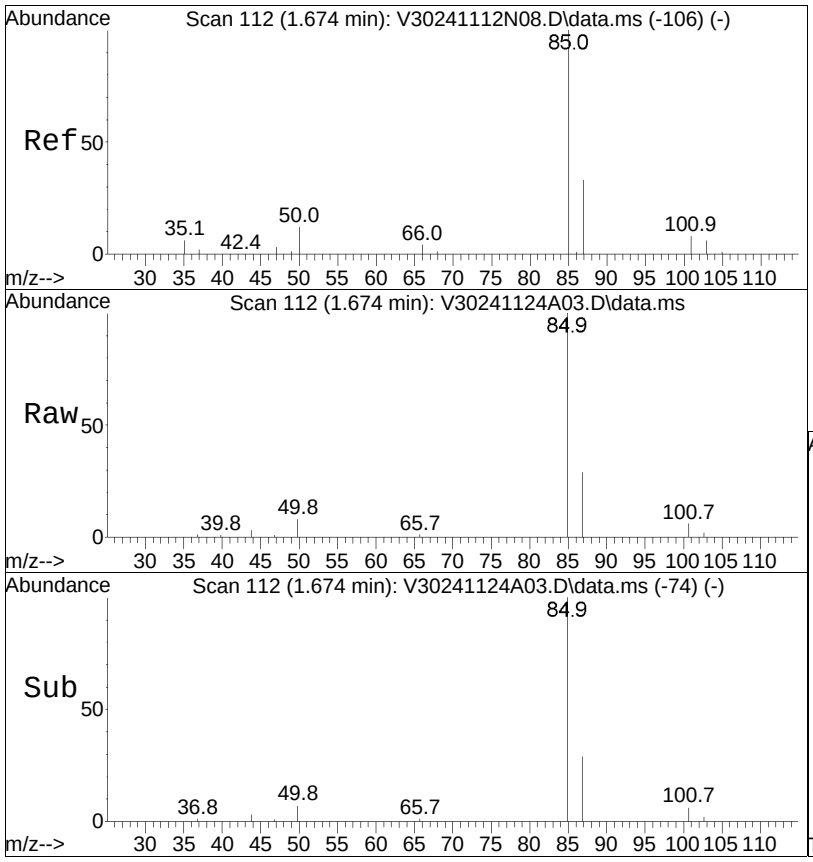
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A03.D
Acq On : 24 Nov 2024 09:34 am
Operator : VOA130:PID
Sample : WG2001917-4,31,10,10
Misc : WG2001917,ICAL21702
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 24 09:59:07 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

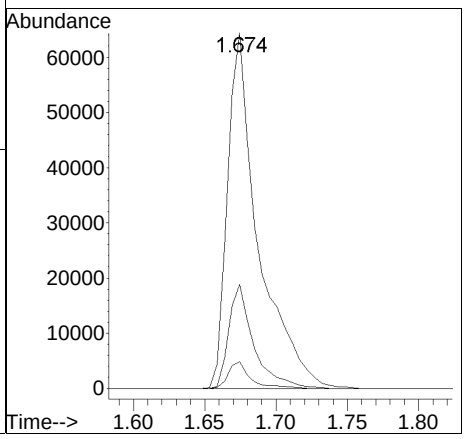


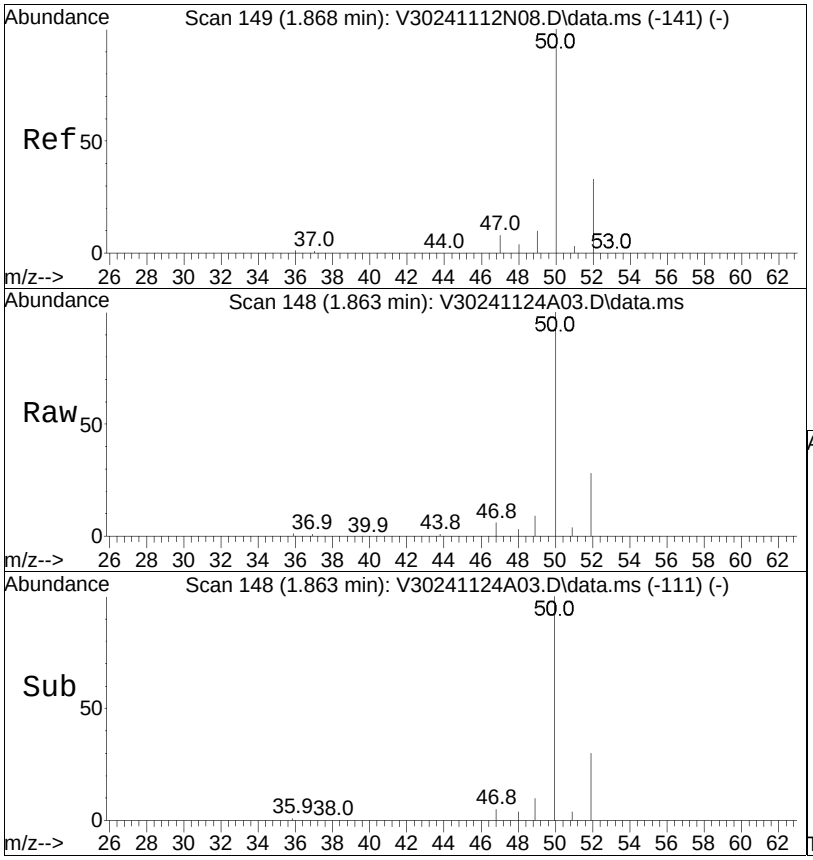


#2
Dichlorodifluoromethane
Concen: 8.98 ug/L
RT: 1.674 min Scan# 112
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 85 Resp: 96963

Ion	Ratio	Lower	Upper
85	100		
87	23.6	20.2	42.0
50	5.4	10.1	20.9#

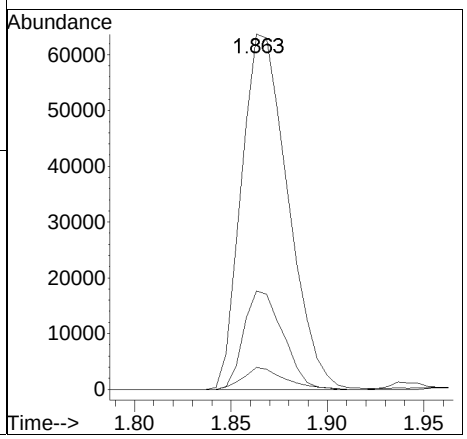


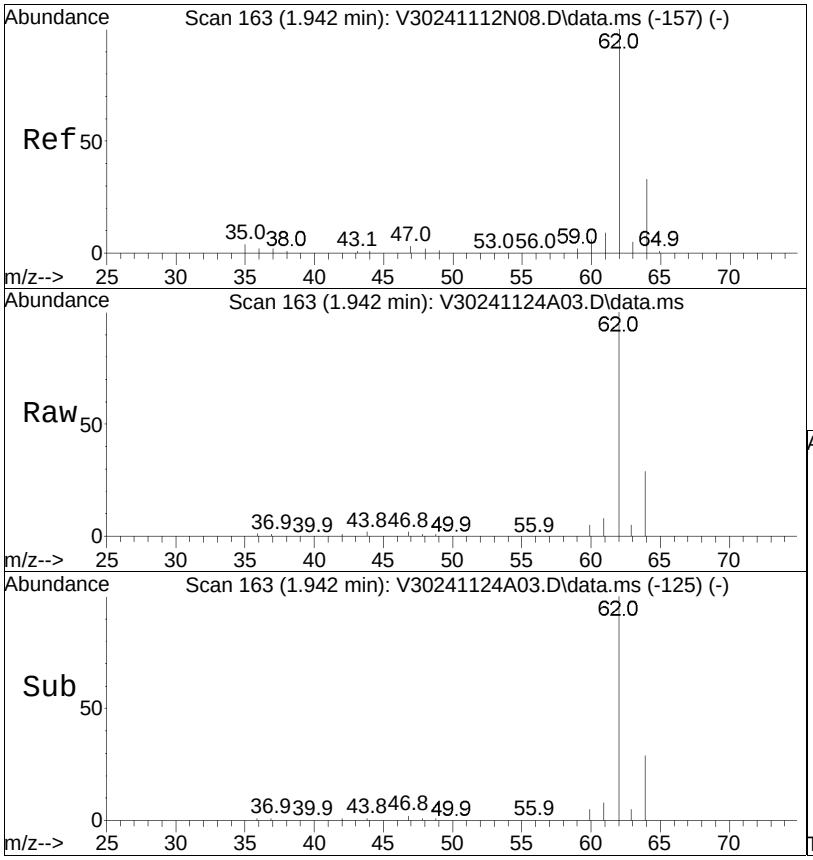


#3
Chloromethane
Concen: 8.11 ug/L
RT: 1.863 min Scan# 148
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 50 Resp: 106838

Ion	Ratio	Lower	Upper
50	100		
52	23.4	25.1	37.7#
47	5.5	6.5	9.7#

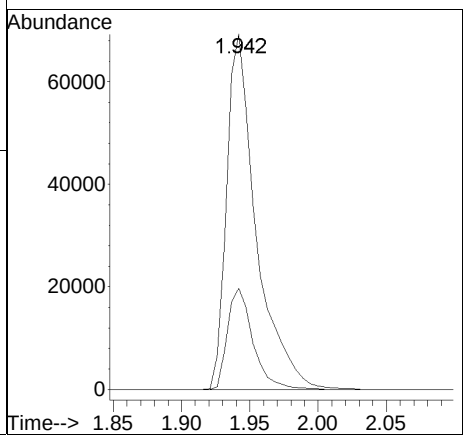


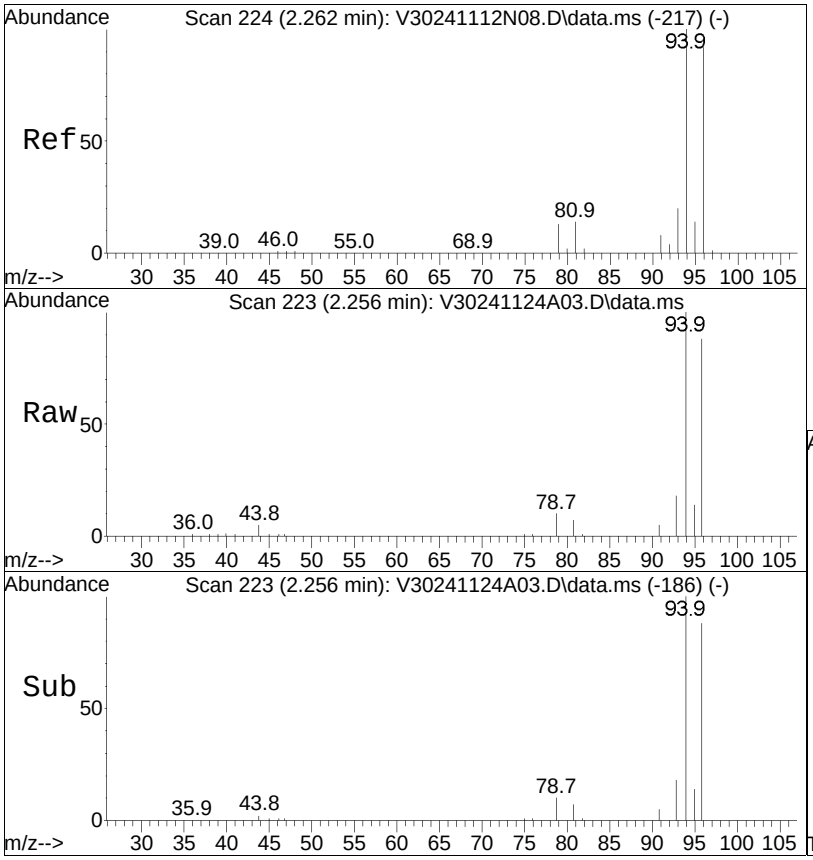


#4
Vinyl chloride
Concen: 8.04 ug/L
RT: 1.942 min Scan# 163
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 62 Resp: 104144

Ion	Ratio	Lower	Upper
62	100		
64	24.6	25.7	38.5#

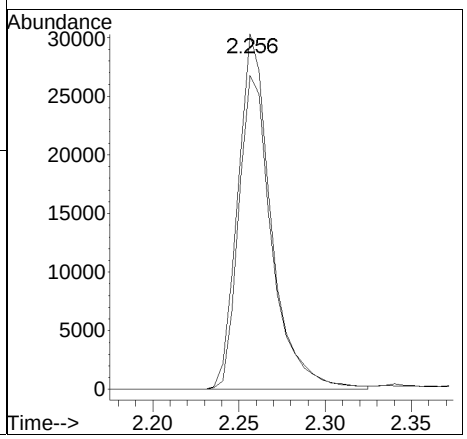


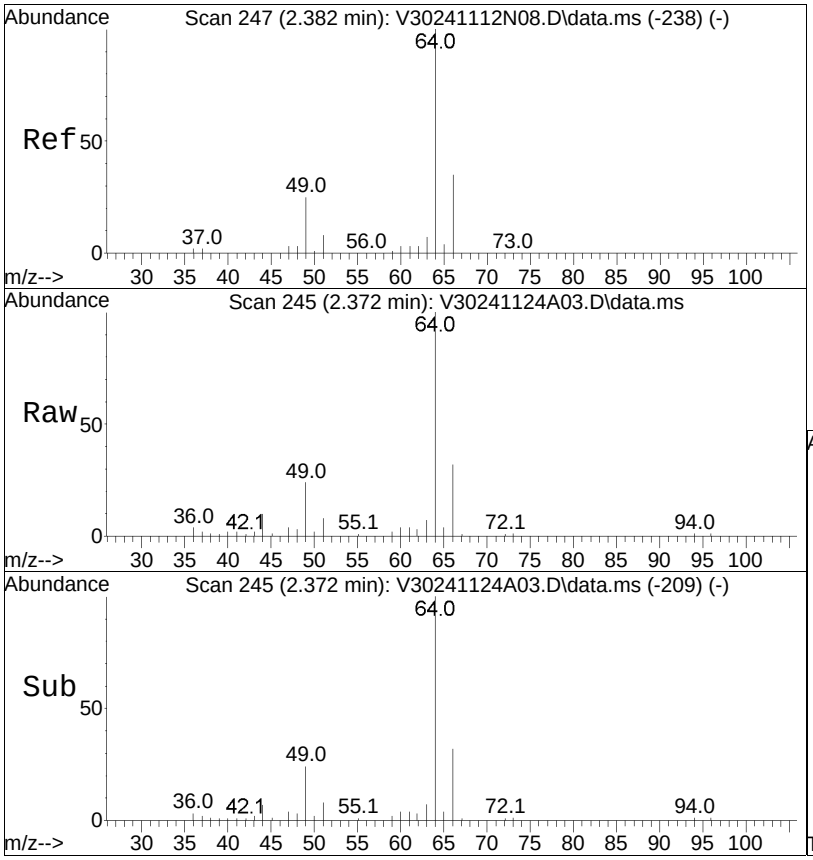


#5
Bromomethane
Concen: 5.82 ug/L
RT: 2.256 min Scan# 223
Delta R.T. -0.006 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 94 Resp: 40872

Ion	Ratio	Lower	Upper
94	100		
96	88.3	73.7	110.5

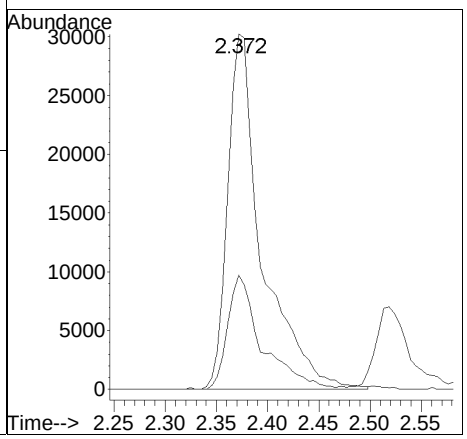


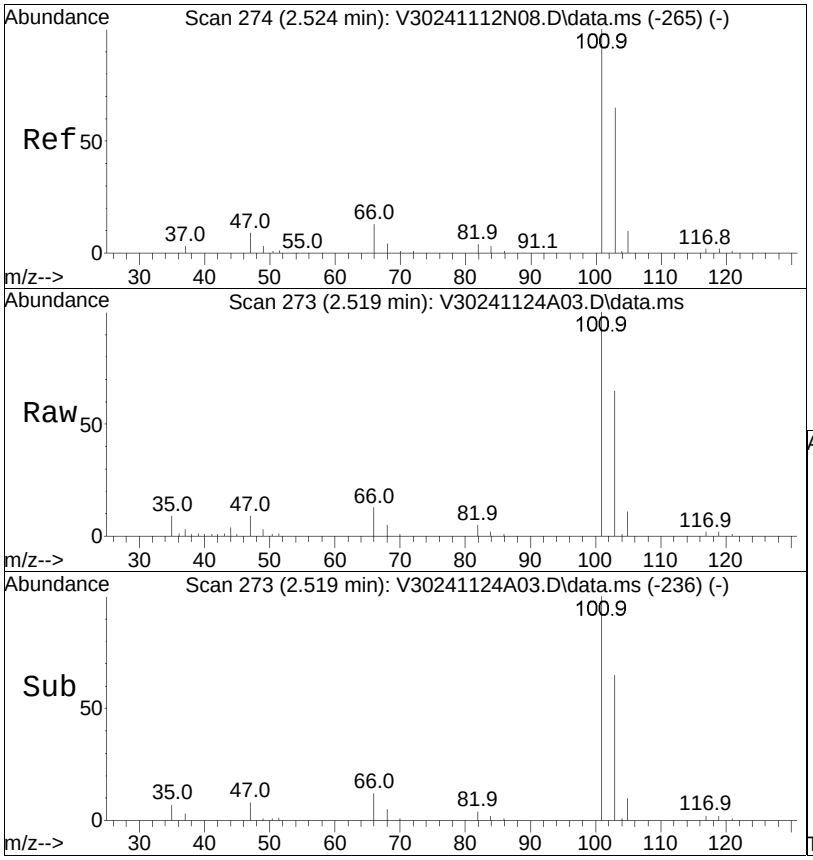


#6
Chloroethane
Concen: 8.89 ug/L
RT: 2.372 min Scan# 245
Delta R.T. -0.010 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 64 Resp: 70478

Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.3	37.9

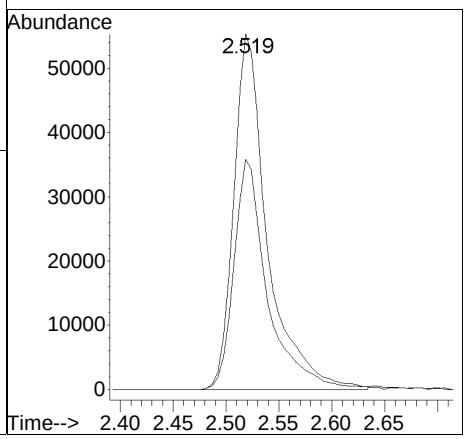


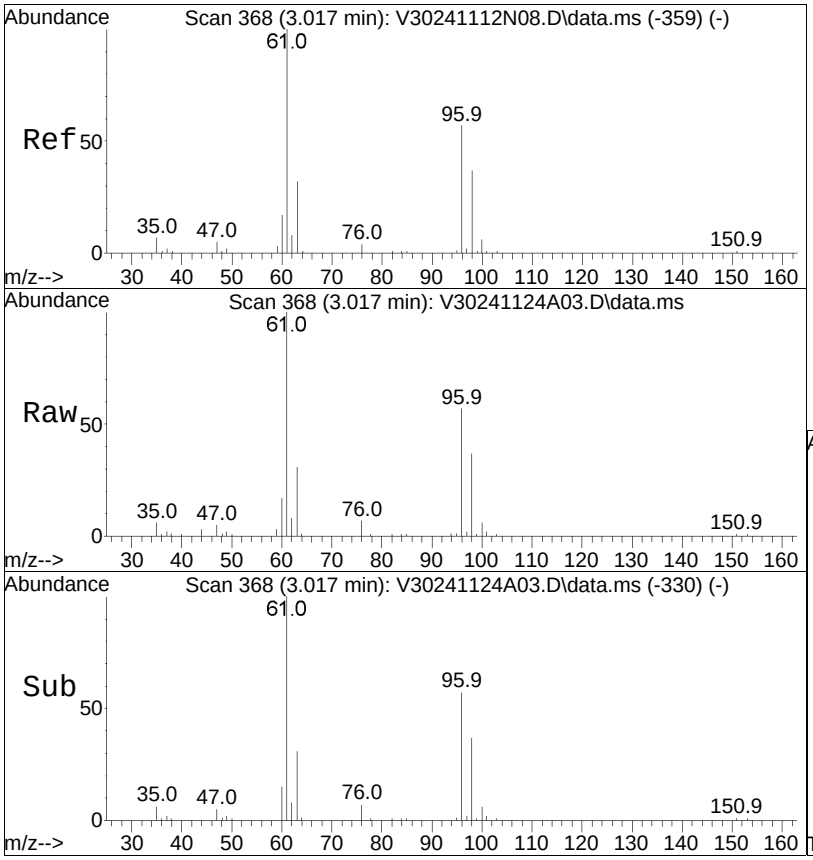


#7
Trichlorofluoromethane
Concen: 8.40 ug/L
RT: 2.519 min Scan# 273
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:101 Resp: 121846

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.4

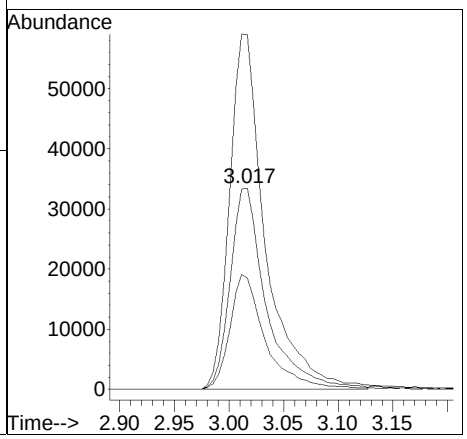


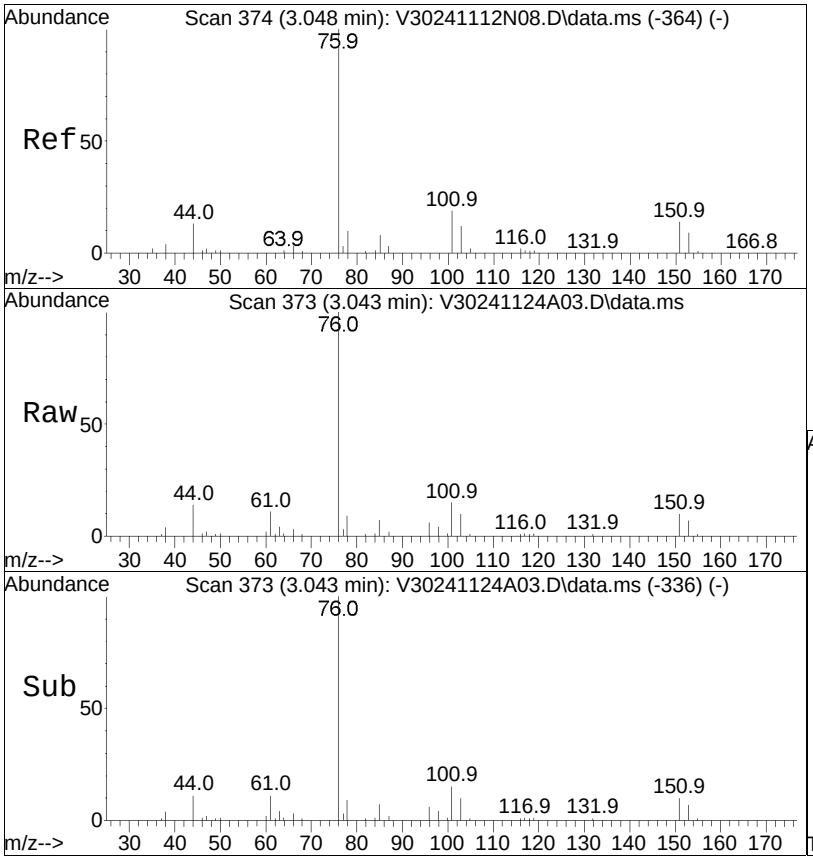


#10
1,1-Dichloroethene
Concen: 8.30 ug/L
RT: 3.017 min Scan# 368
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 96 Resp: 77259

Ion	Ratio	Lower	Upper
96	100		
61	175.7	165.5	248.3
63	56.4	51.9	77.9

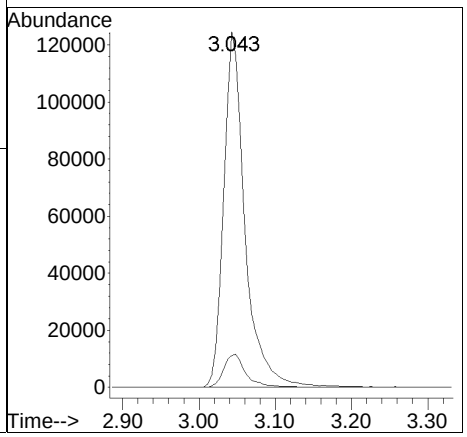


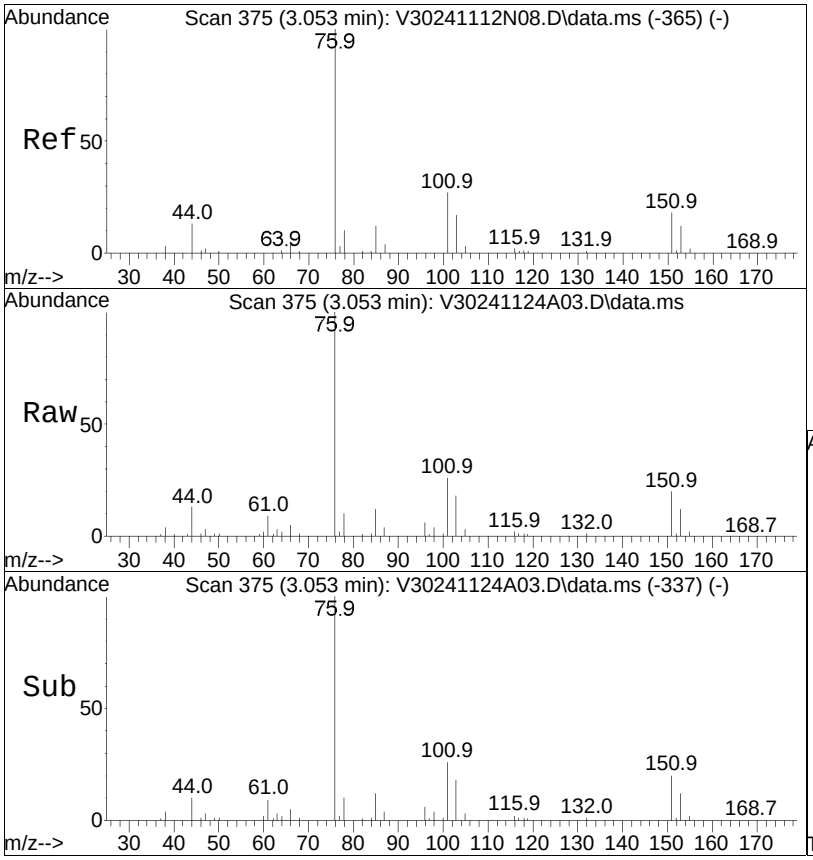


#11
Carbon disulfide
Concen: 8.66 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 76 Resp: 242725

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.4

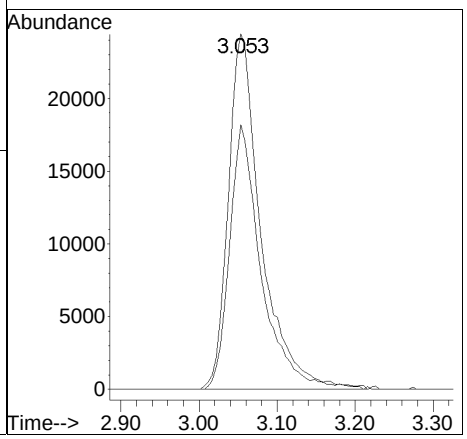


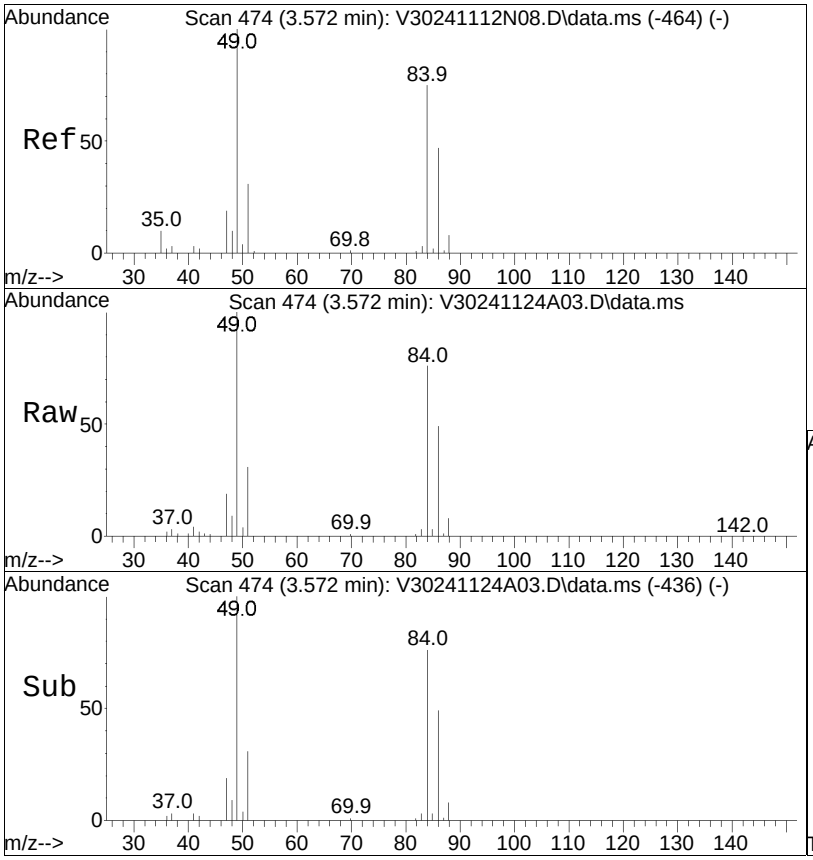


#12
Freon-113
Concen: 8.09 ug/L
RT: 3.053 min Scan# 375
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:101 Resp: 71492

Ion	Ratio	Lower	Upper
101	100		
151	71.4	51.9	77.9

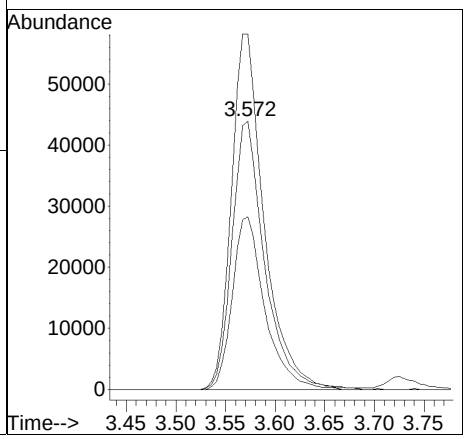


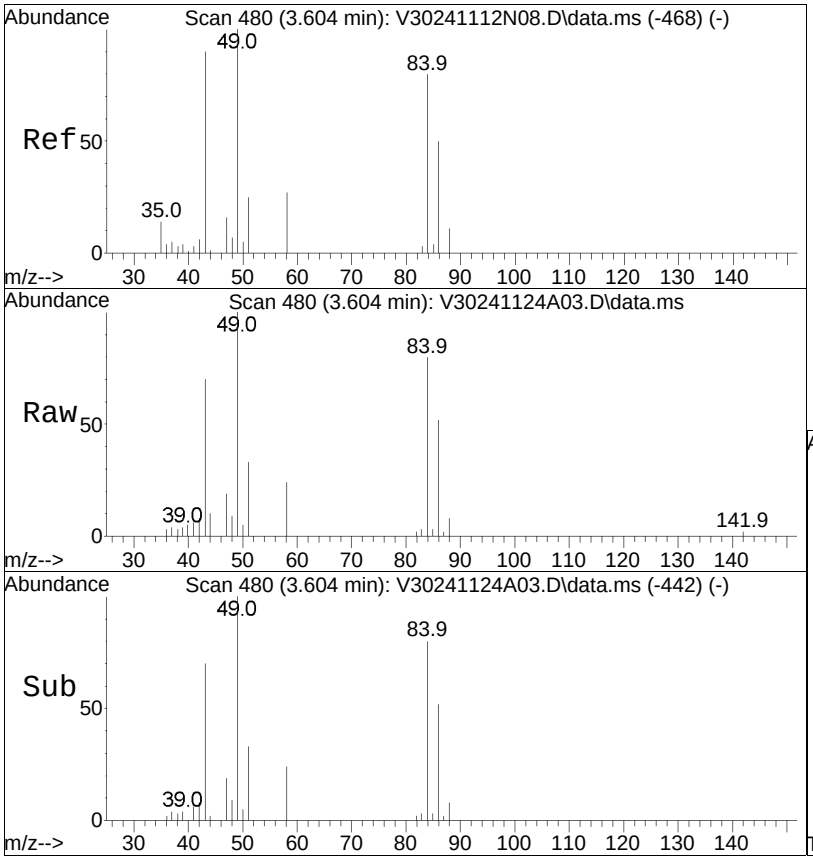


#15
Methylene chloride
Concen: 8.72 ug/L
RT: 3.572 min Scan# 474
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 84 Resp: 100190

Ion	Ratio	Lower	Upper
84	100		
86	64.2	41.7	86.5
49	133.1	103.9	215.9

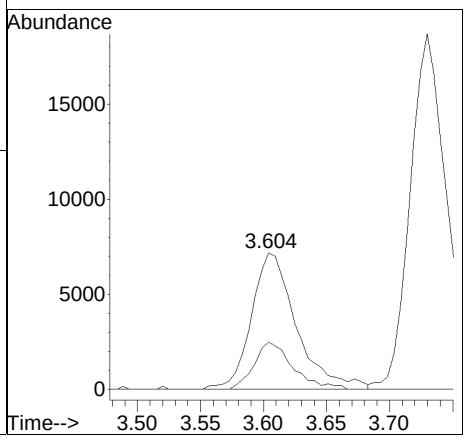


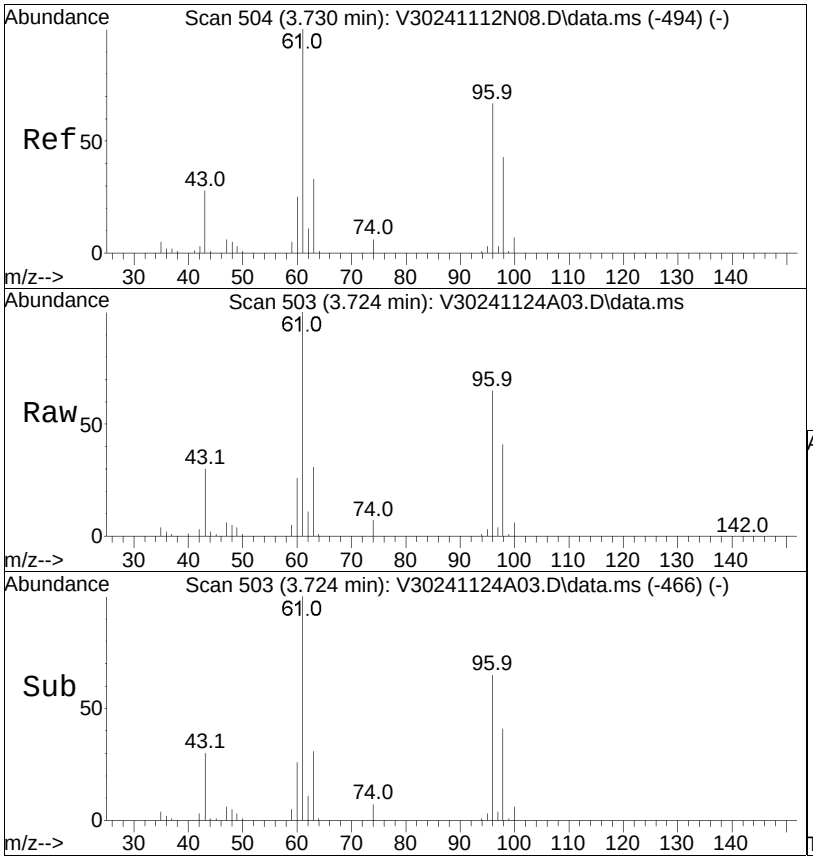


#17
Acetone
Concen: 10.18 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 43 Resp: 17889

Ion	Ratio	Lower	Upper
43	100		
58	29.9	20.1	30.1

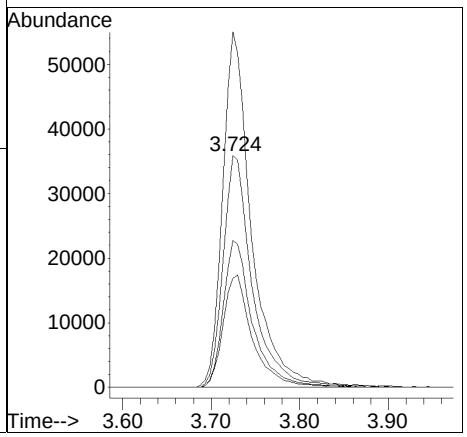


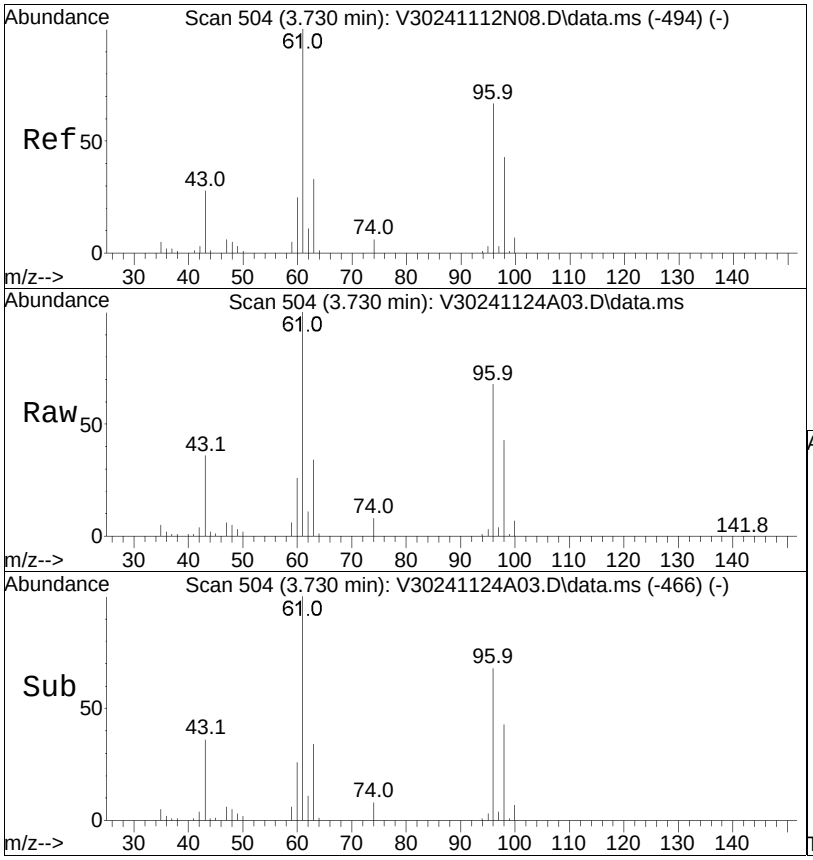


#18
trans-1,2-Dichloroethene
Concen: 8.30 ug/L
RT: 3.724 min Scan# 503
Delta R.T. -0.006 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 96 Resp: 83036

Ion	Ratio	Lower	Upper
96	100		
61	151.2	113.6	236.0
98	63.3	40.8	84.8
63	48.8	36.5	75.7

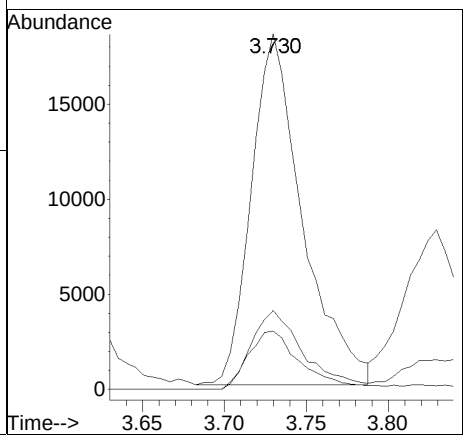


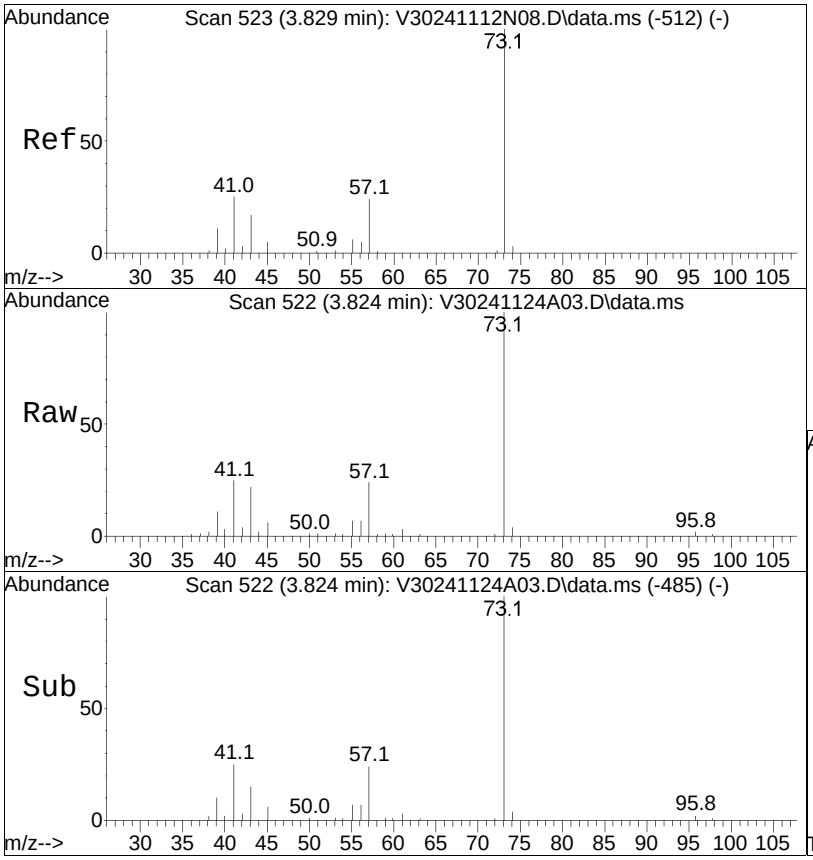


#19
Methyl acetate
Concen: 9.59 ug/L
RT: 3.730 min Scan# 504
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 43 Resp: 40143

Ion	Ratio	Lower	Upper
43	100		
74	23.0	14.6	22.0#
59	17.4	9.3	13.9#

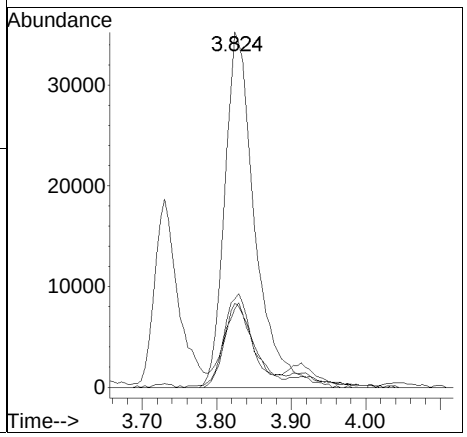


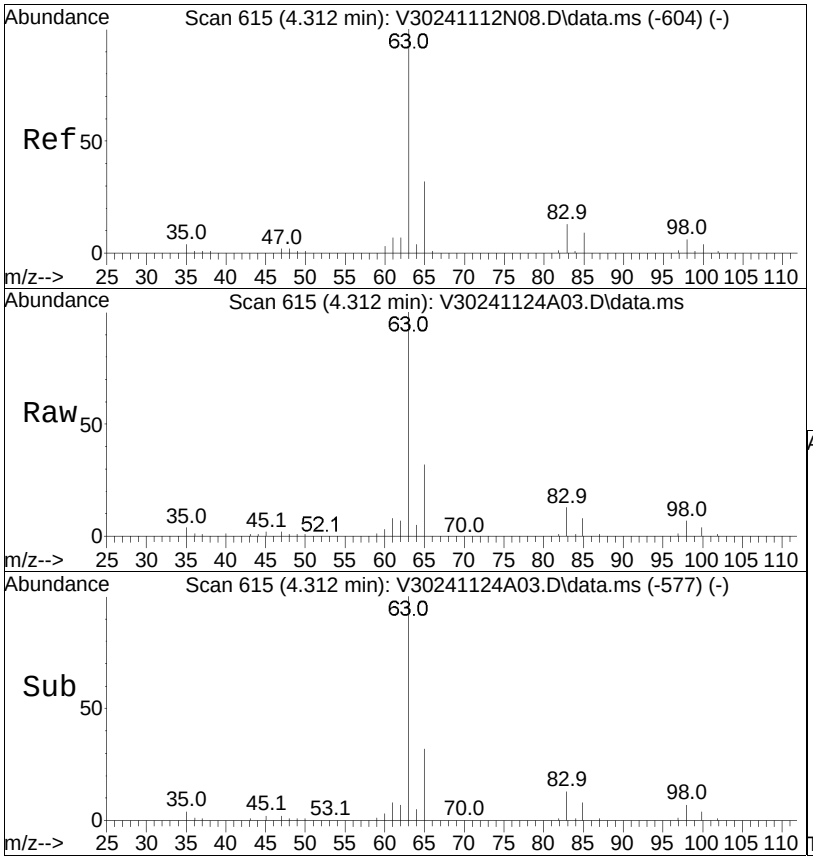


#21
Methyl tert-butyl ether
Concen: 6.51 ug/L
RT: 3.824 min Scan# 522
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 73 Resp: 100458

Ion	Ratio	Lower	Upper
73	100		
57	23.0	15.5	32.1
43	17.7	16.6	34.6
41	26.0	17.2	35.6

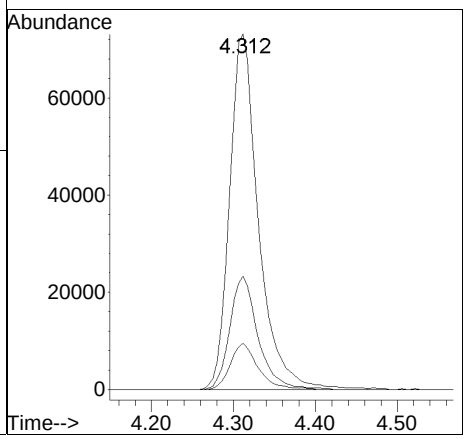


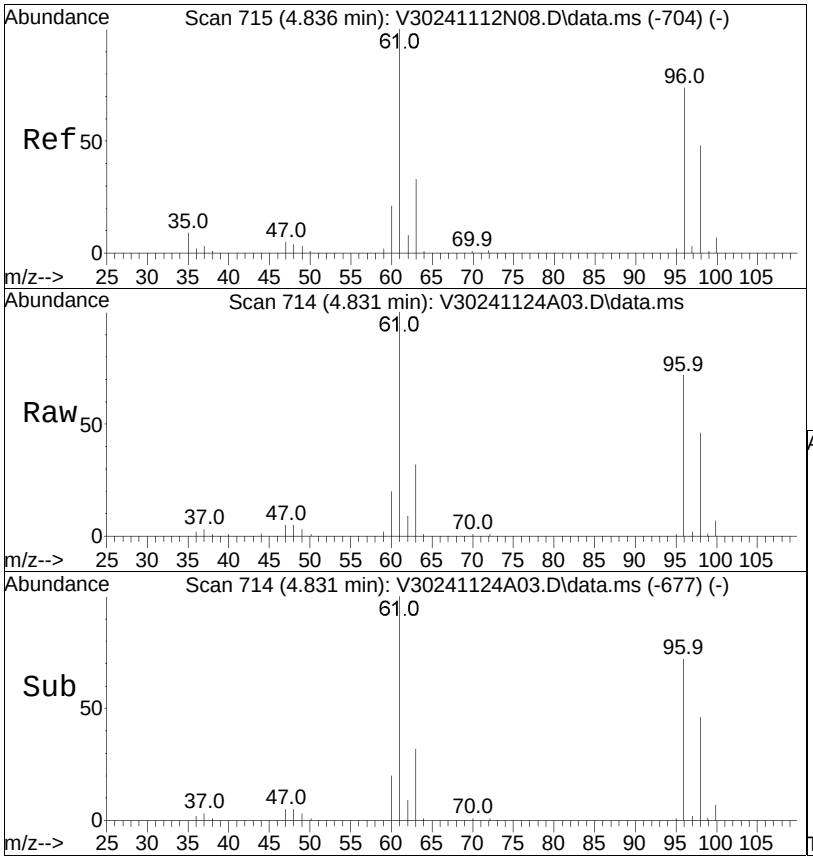


#25
1,1-Dichloroethane
Concen: 8.61 ug/L
RT: 4.312 min Scan# 615
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 63 Resp: 179239

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.5	36.7
83	12.5	8.9	13.3

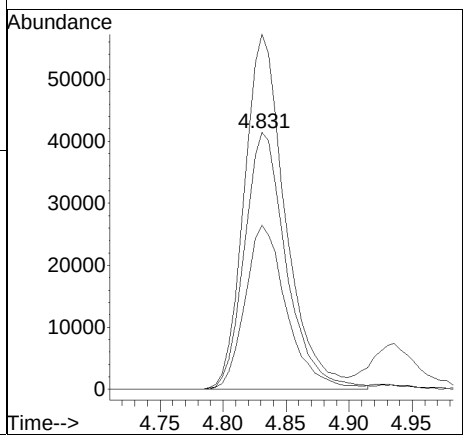


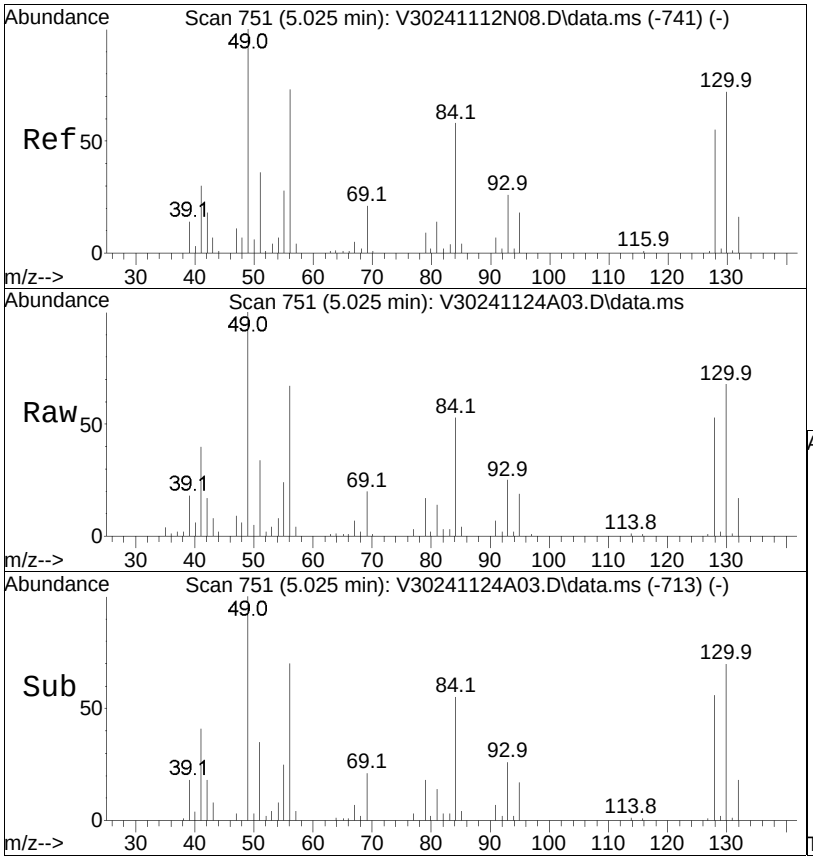


#30
cis-1,2-Dichloroethene
Concen: 8.42 ug/L
RT: 4.831 min Scan# 714
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 96 Resp: 95717

Ion	Ratio	Lower	Upper
96	100		
61	135.8	129.3	193.9
98	63.8	51.4	77.2

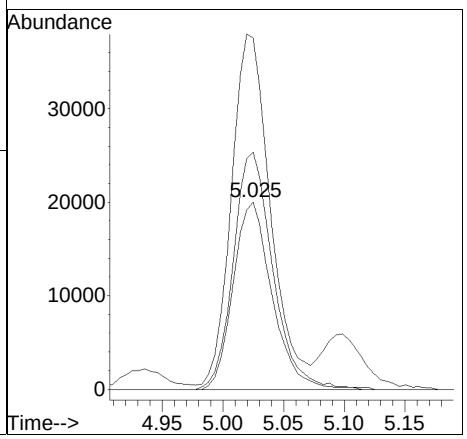


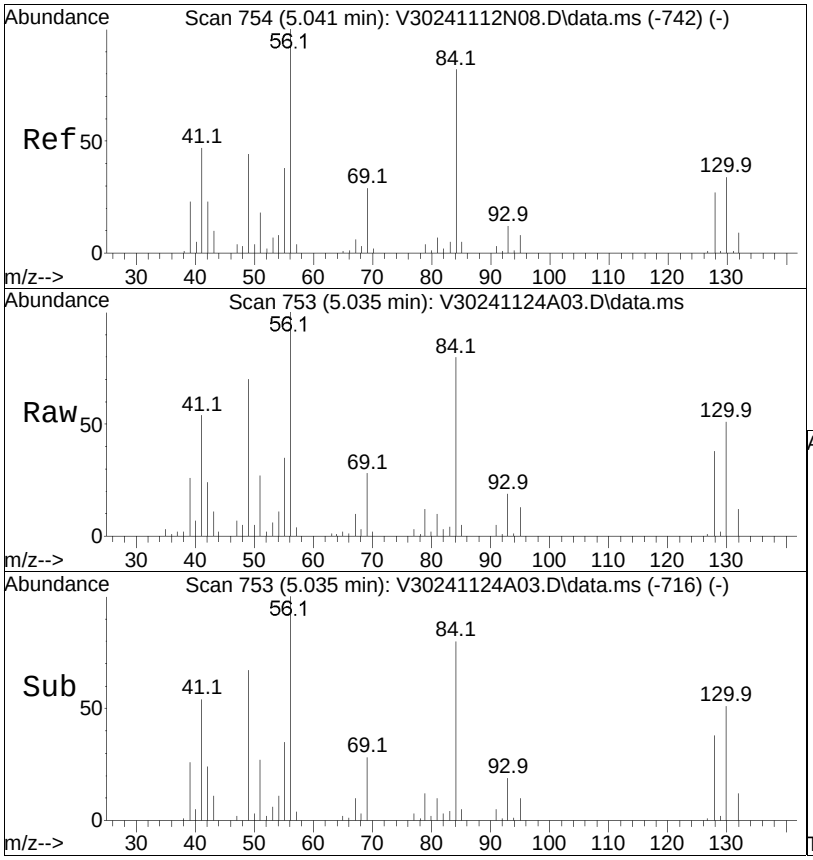


#33
Bromochloromethane
Concen: 8.75 ug/L
RT: 5.025 min Scan# 751
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:128 Resp: 44629

Ion	Ratio	Lower	Upper
128	100		
49	190.9	214.8	322.2#
130	128.7	105.4	158.2

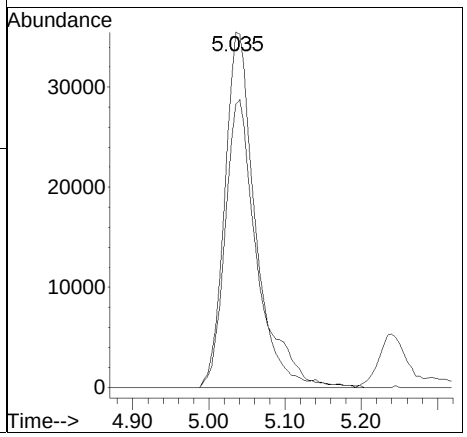


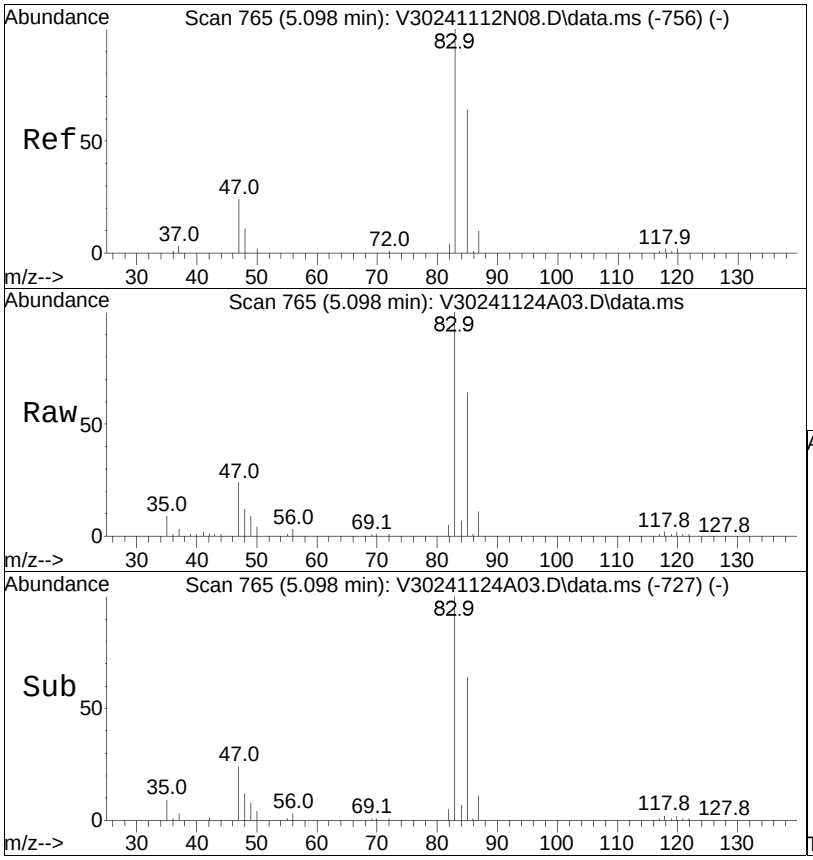


#34
Cyclohexane
Concen: 6.47 ug/L
RT: 5.035 min Scan# 753
Delta R.T. -0.006 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 56 Resp: 97944

Ion	Ratio	Lower	Upper
56	100		
84	87.3	49.9	103.5

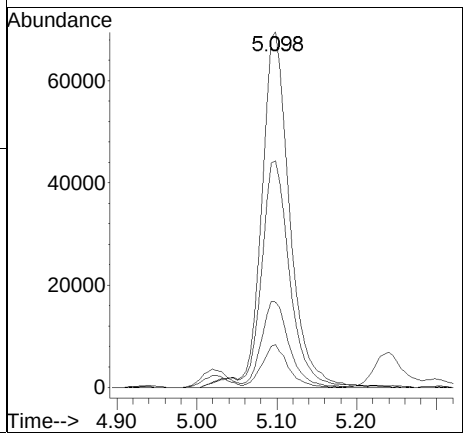


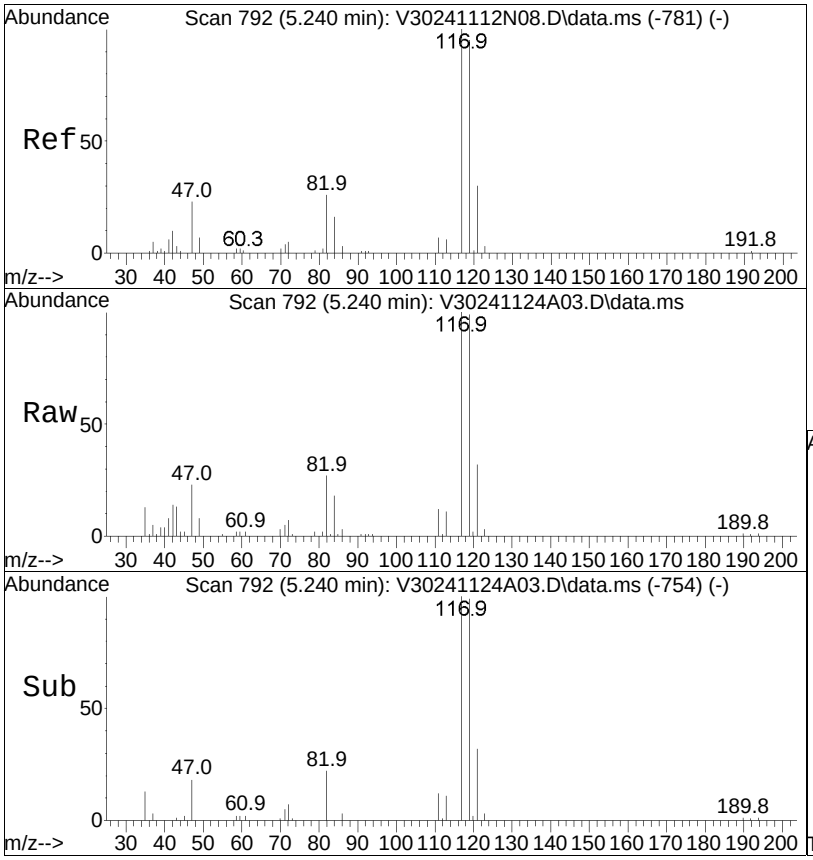


#35
Chloroform
Concen: 8.89 ug/L
RT: 5.098 min Scan# 765
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 83 Resp: 170270

Ion	Ratio	Lower	Upper
83	100		
85	62.5	41.4	86.0
47	23.4	20.5	42.5
48	11.2	9.9	20.5

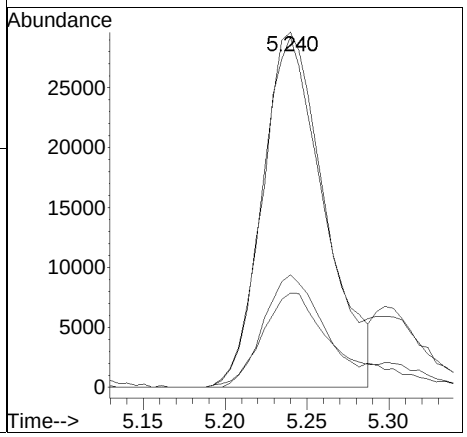


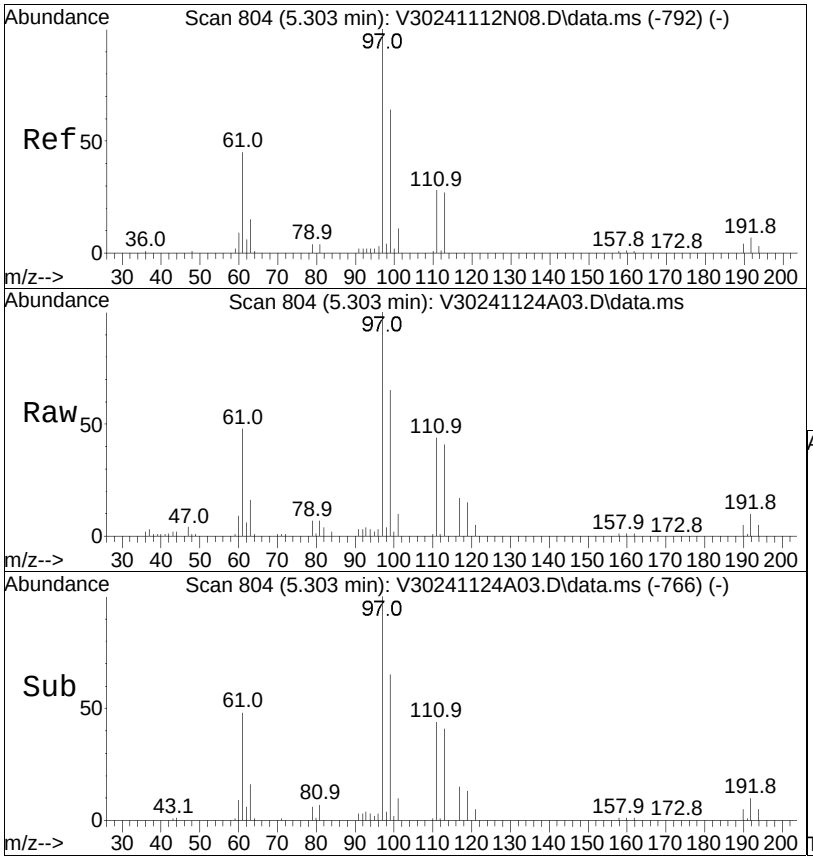


#37
Carbon tetrachloride
Concen: 7.02 ug/L
RT: 5.240 min Scan# 792
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:117 Resp: 78892

Ion	Ratio	Lower	Upper
117	100		
119	94.5	62.0	128.8
121	30.3	19.6	40.6
82	32.3	18.8	39.0

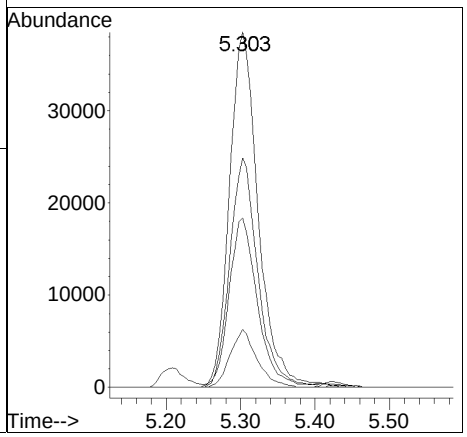


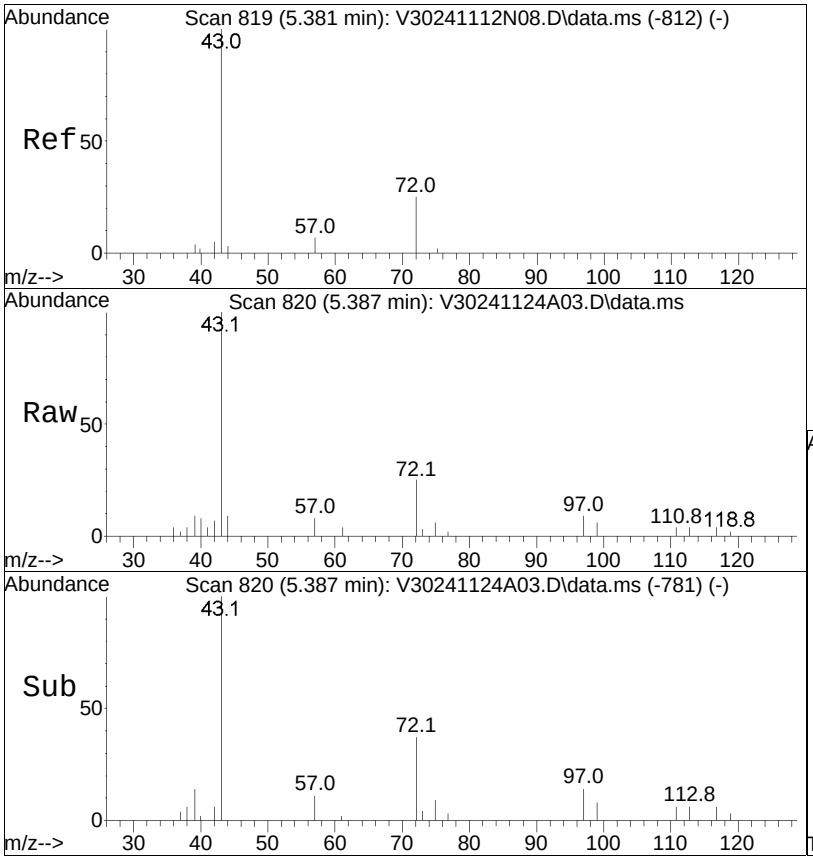


#40
1,1,1-Trichloroethane
Concen: 7.62 ug/L
RT: 5.303 min Scan# 804
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 97 Resp: 104294

Ion	Ratio	Lower	Upper
97	100		
99	62.7	40.6	84.4
61	46.7	35.0	72.8
63	15.1	11.1	23.0

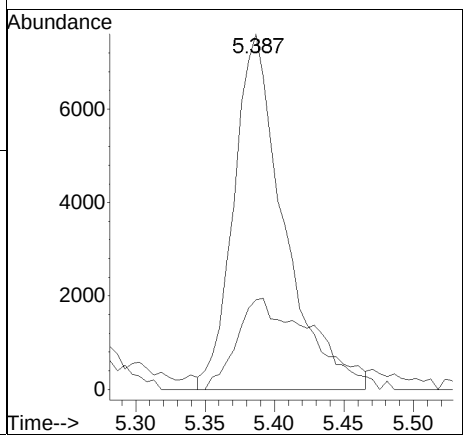


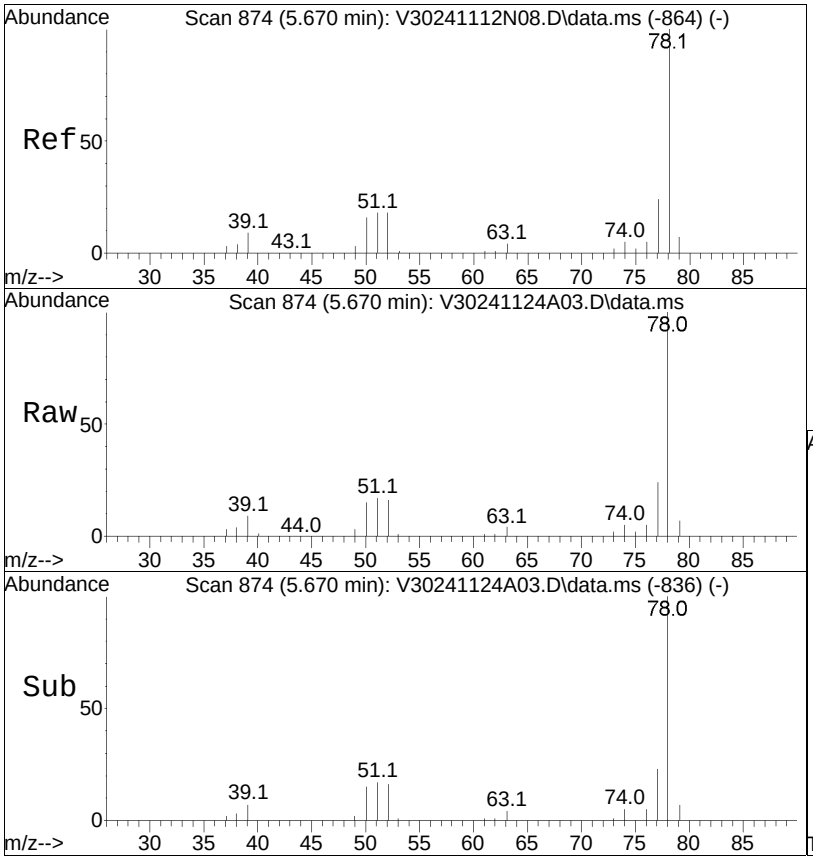


#42
2-Butanone
Concen: 9.09 ug/L M3
RT: 5.387 min Scan# 820
Delta R.T. 0.006 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 43 Resp: 19089

Ion	Ratio	Lower	Upper
43	100		
72	32.3	18.2	27.4#

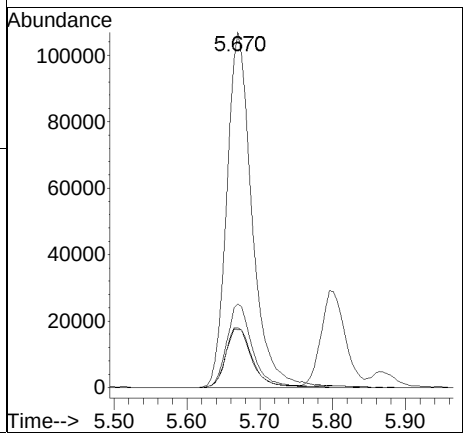


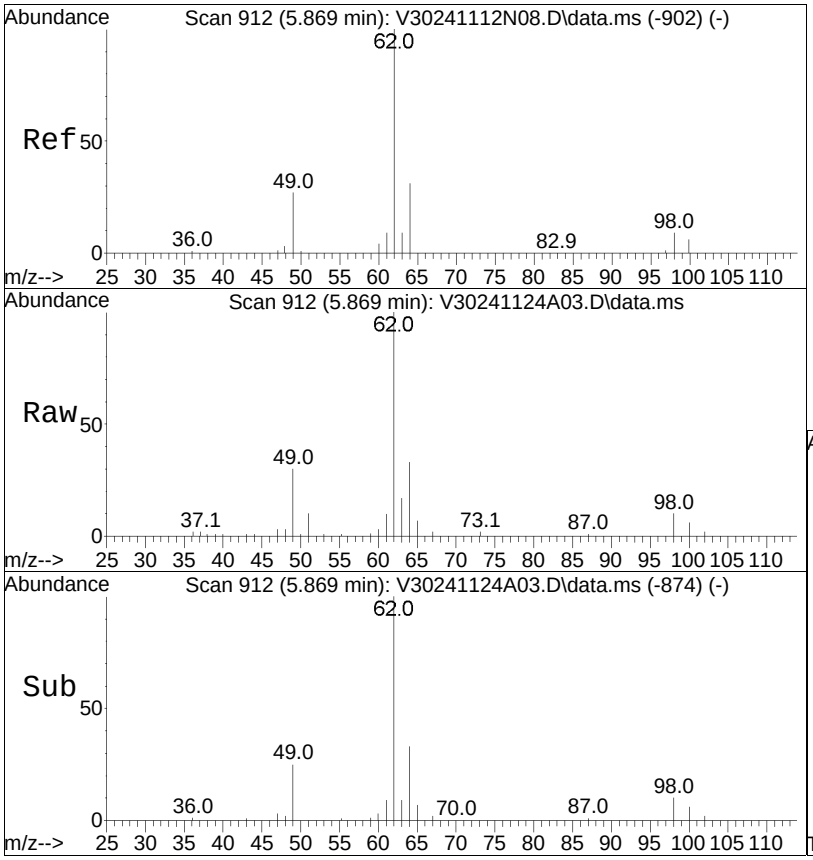


#45
Benzene
Concen: 7.73 ug/L
RT: 5.670 min Scan# 874
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 78 Resp: 257986

Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.6	32.4
51	17.4	12.9	26.7
52	17.1	12.4	25.7

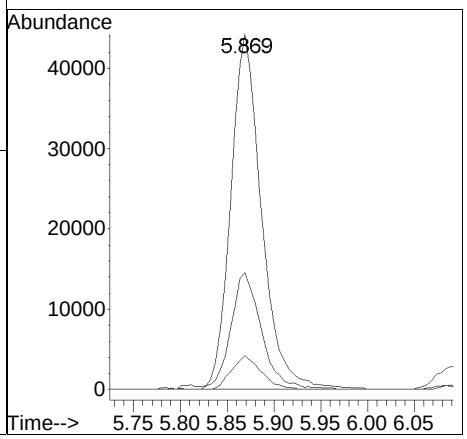


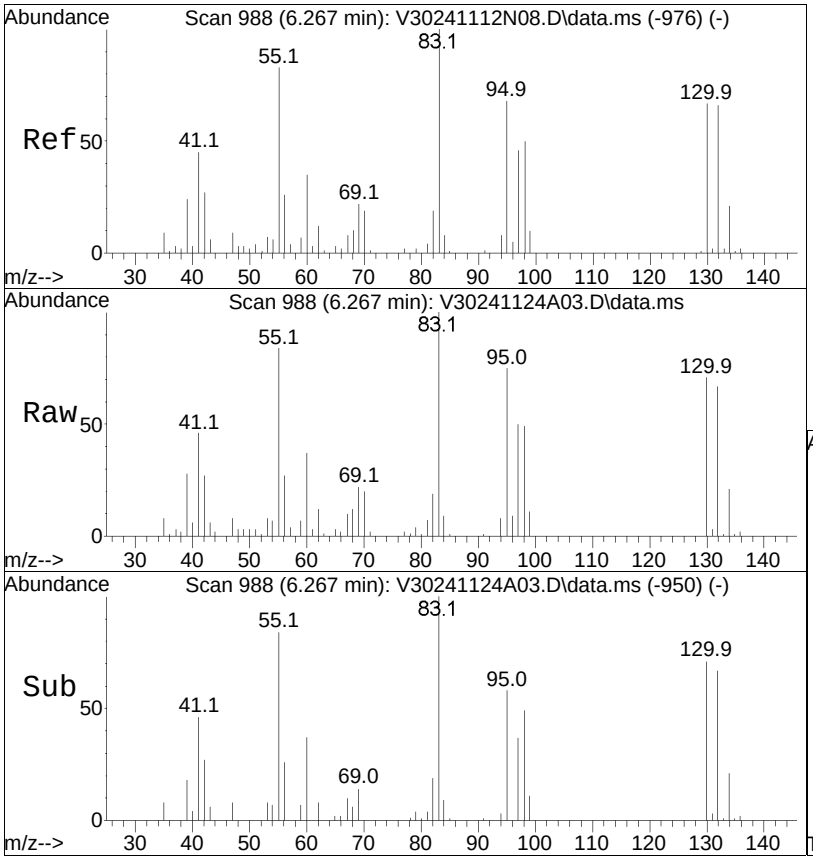


#48
1,2-Dichloroethane
Concen: 8.62 ug/L
RT: 5.869 min Scan# 912
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 62 Resp: 101452

Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.5	38.3
98	9.1	5.5	8.3#

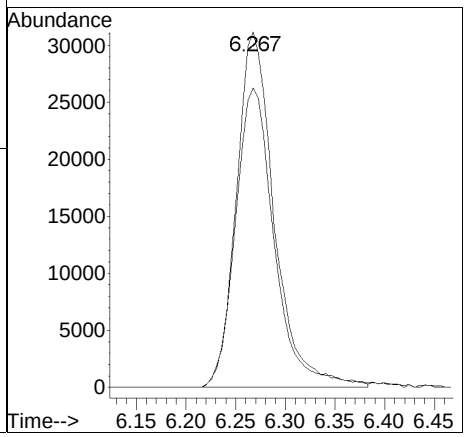


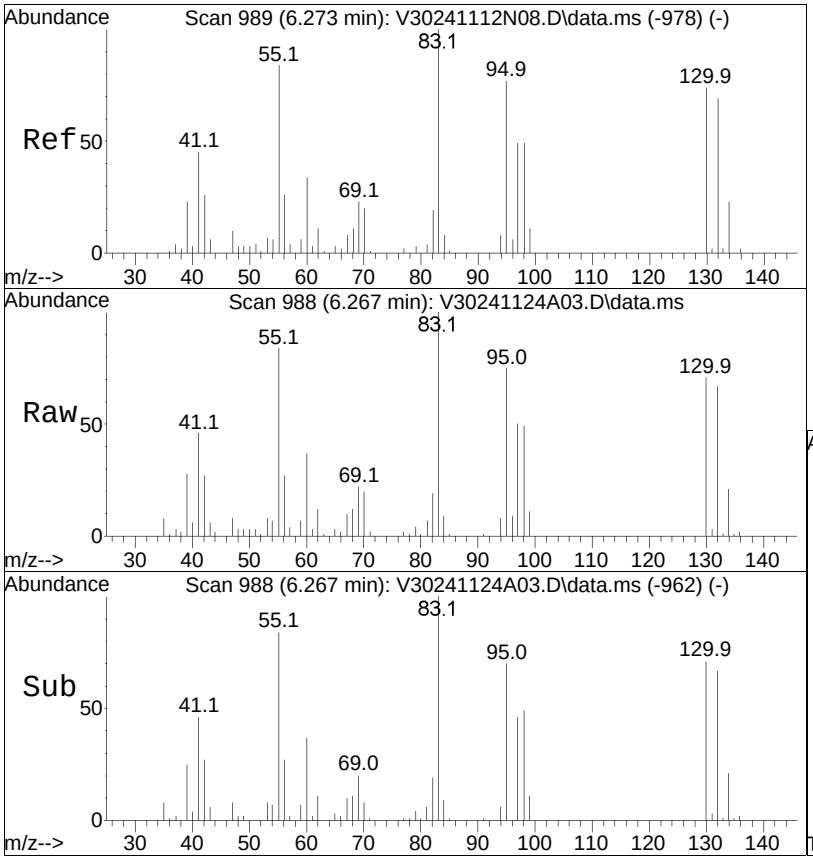


#51
Methyl cyclohexane
Concen: 6.97 ug/L
RT: 6.267 min Scan# 988
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 83 Resp: 82710

Ion	Ratio	Lower	Upper
83	100		
55	87.6	74.6	112.0

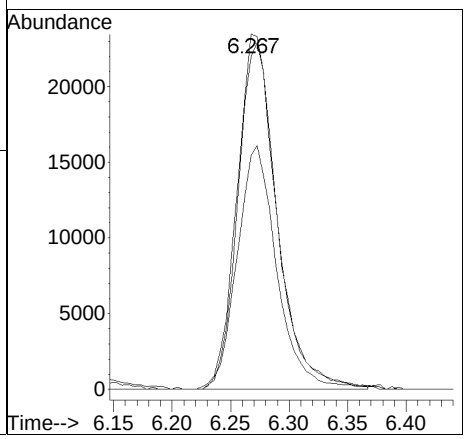


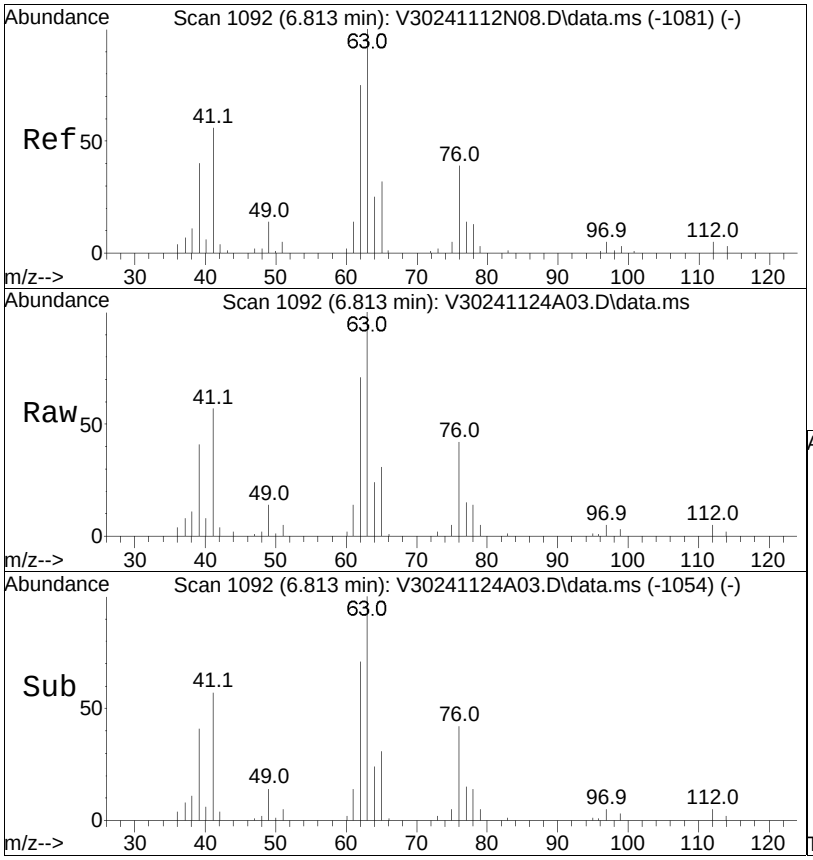


#52
Trichloroethene
Concen: 6.86 ug/L
RT: 6.267 min Scan# 988
Delta R.T. -0.006 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 95 Resp: 55740

Ion	Ratio	Lower	Upper
95	100		
97	68.1	53.8	80.6
130	96.8	71.4	107.0

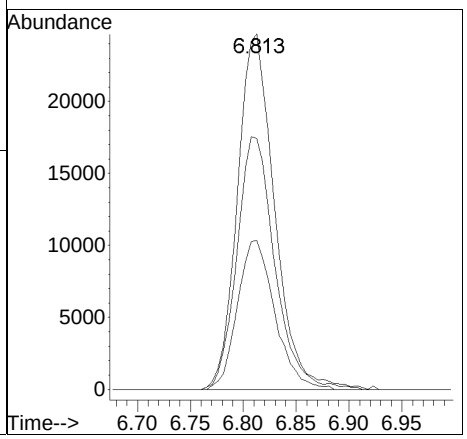


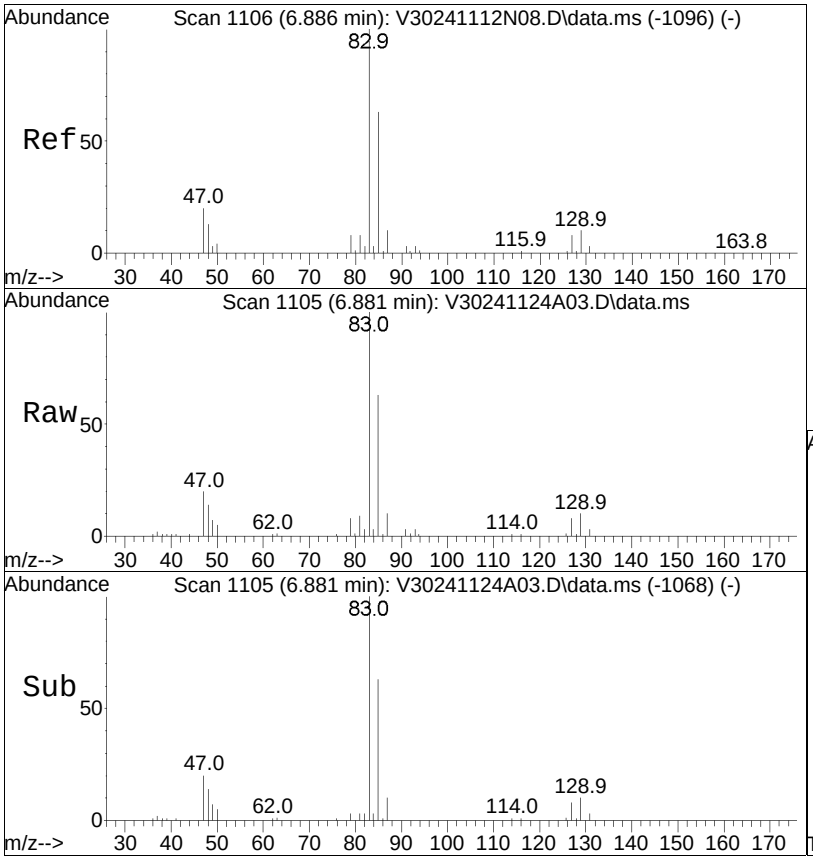


#55
1,2-Dichloropropane
Concen: 6.88 ug/L
RT: 6.813 min Scan# 1092
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 63 Resp: 60358

Ion	Ratio	Lower	Upper
63	100		
62	72.5	58.1	87.1
76	42.2	30.4	45.6

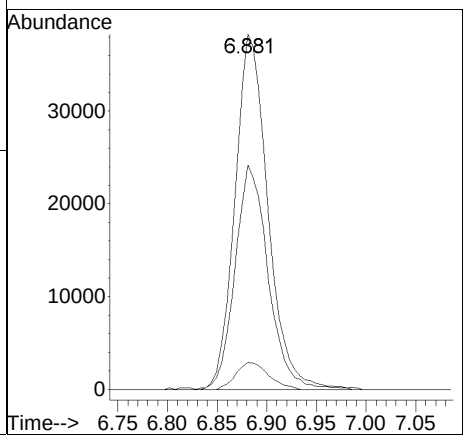


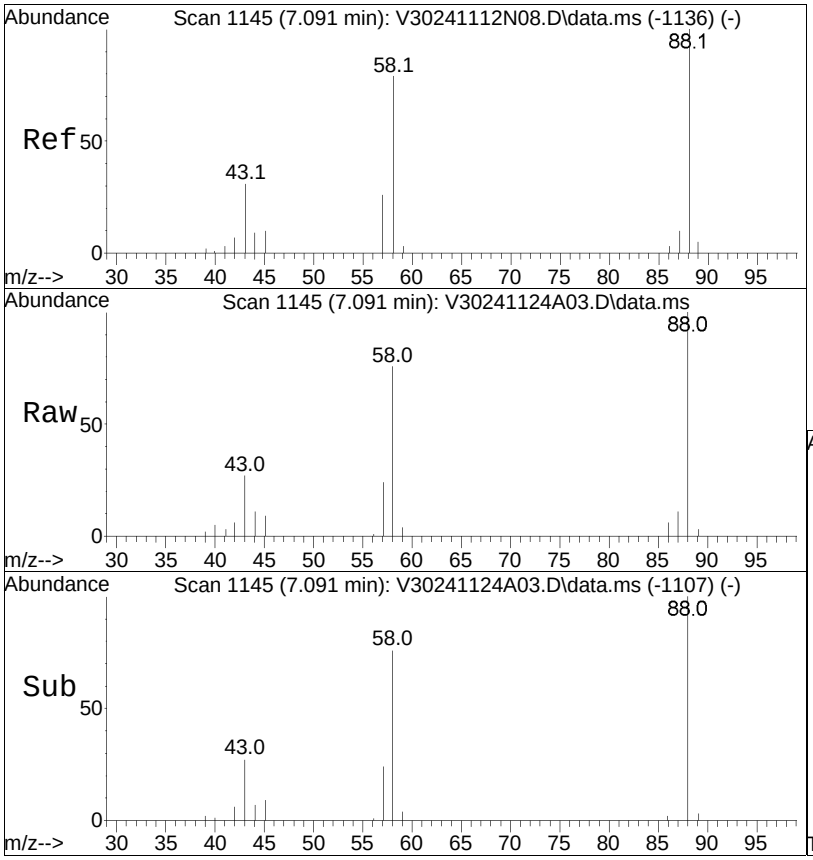


#58
Bromodichloromethane
Concen: 7.43 ug/L
RT: 6.881 min Scan# 1105
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 83 Resp: 88419

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.2	75.2
127	7.5	5.2	7.8

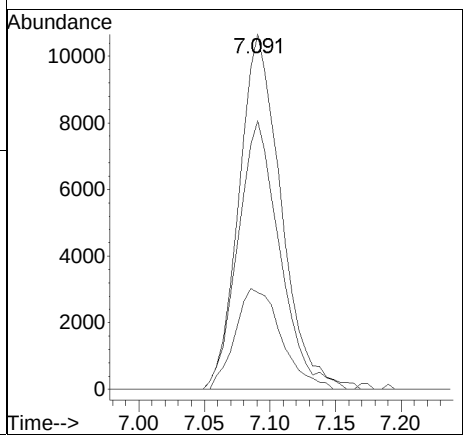


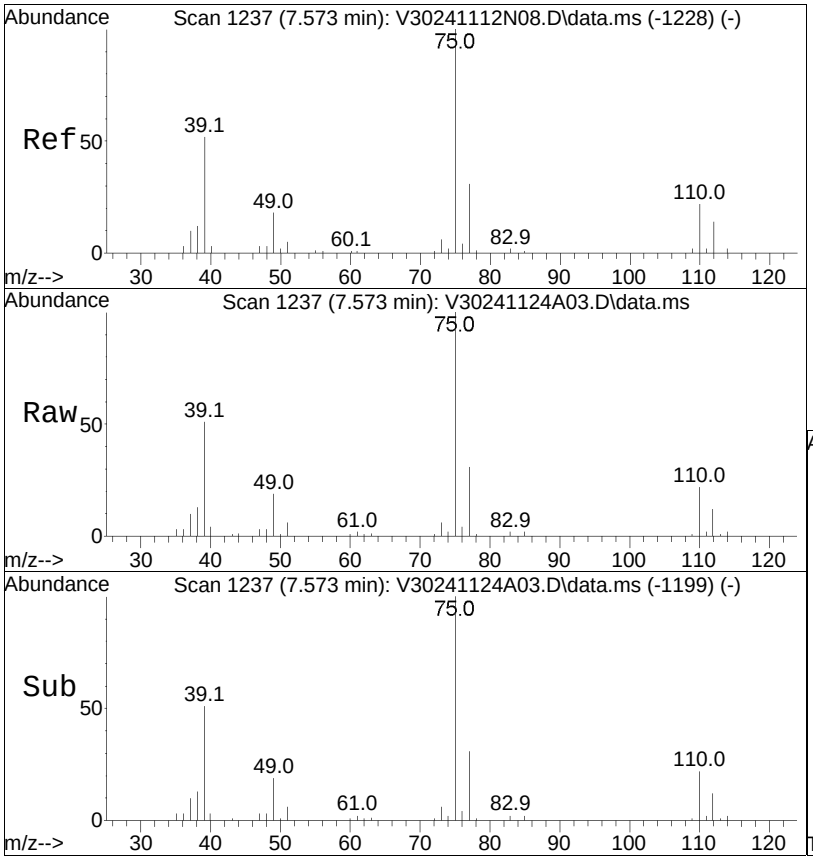


#61
1,4-Dioxane
Concen: 554.27 ug/L
RT: 7.091 min Scan# 1145
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 88 Resp: 23830

Ion	Ratio	Lower	Upper
88	100		
58	75.4	59.9	89.9
43	31.3	30.8	46.2

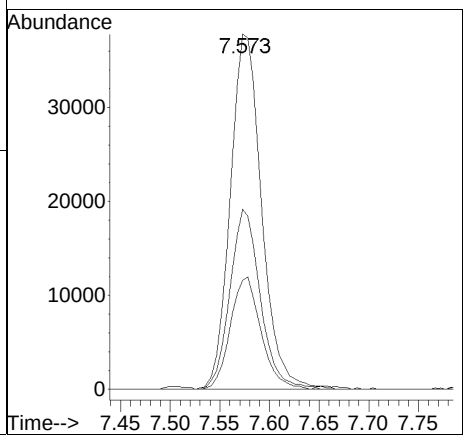


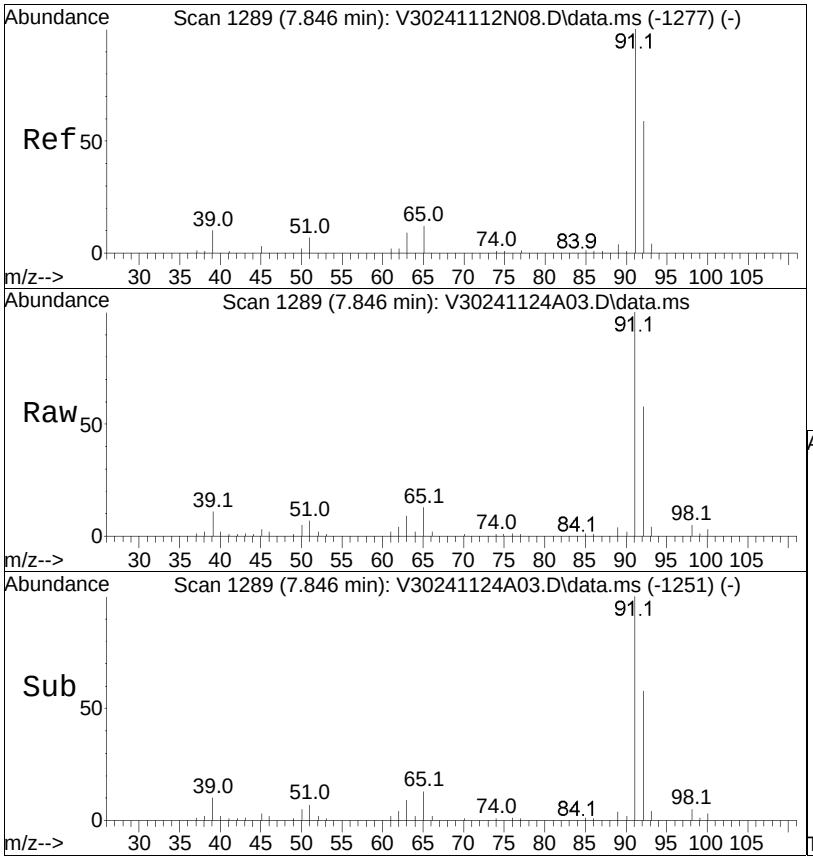


#62
cis-1,3-Dichloropropene
Concen: 6.83 ug/L
RT: 7.573 min Scan# 1237
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 75 Resp: 83271

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2
39	49.5	54.6	82.0#

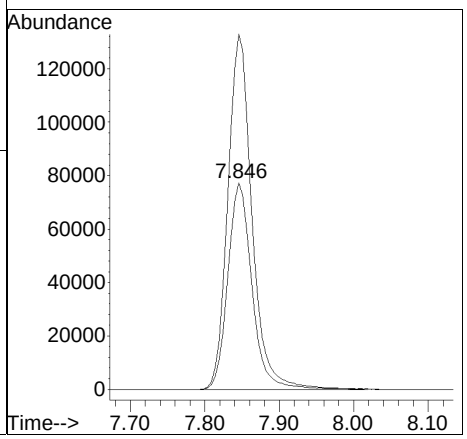


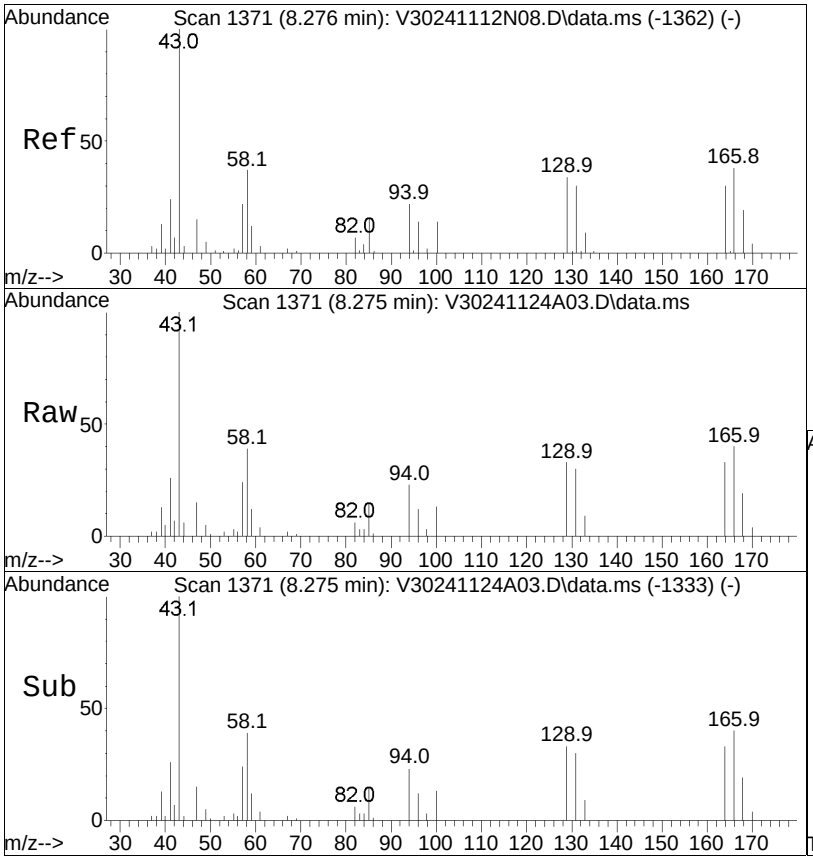


#65
Toluene
Concen: 7.86 ug/L
RT: 7.846 min Scan# 1289
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 92 Resp: 174149

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.5	206.3

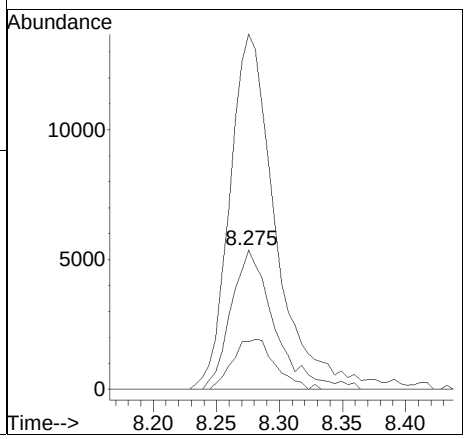


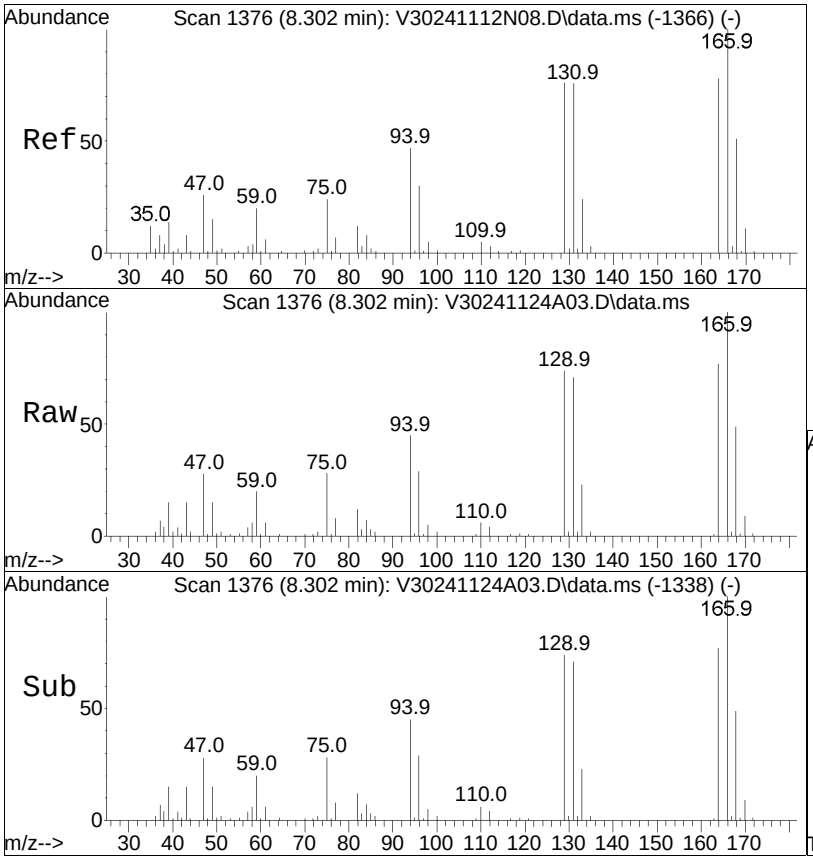


#66
4-Methyl-2-pentanone
Concen: 7.96 ug/L
RT: 8.275 min Scan# 1371
Delta R.T. -0.001 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 58 Resp: 12925

Ion	Ratio	Lower	Upper
58	100		
100	35.3	22.6	34.0#
43	271.5	234.6	351.8

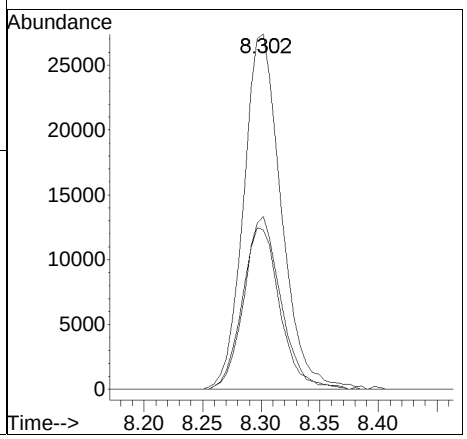


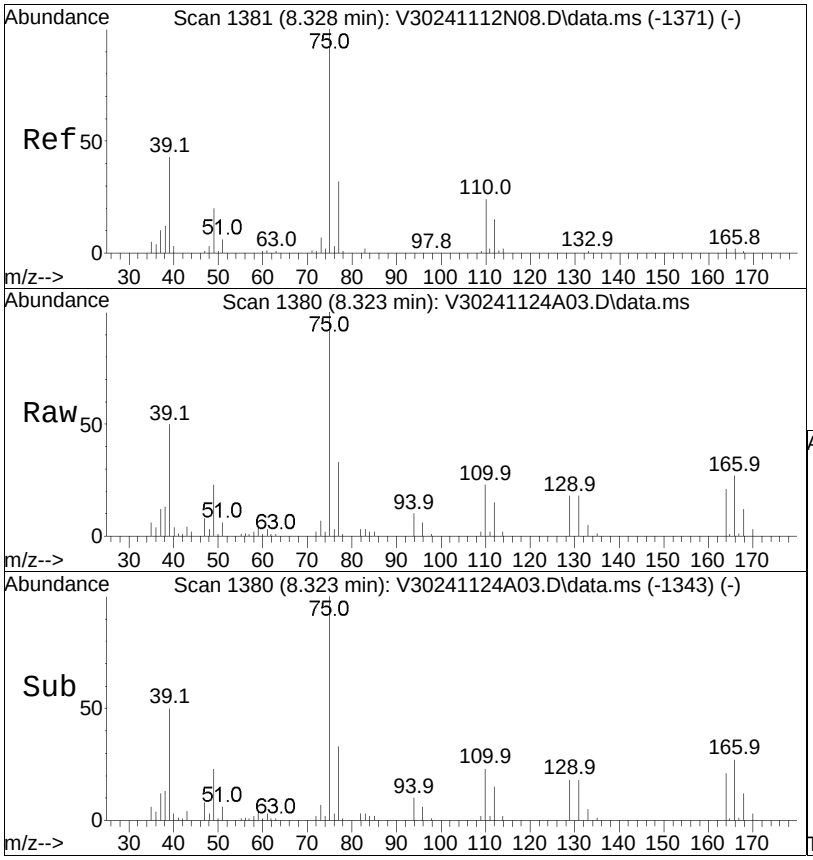


#67
Tetrachloroethene
Concen: 7.65 ug/L
RT: 8.302 min Scan# 1376
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:166 Resp: 61470

Ion	Ratio	Lower	Upper
166	100		
168	47.5	38.6	58.0
94	45.7	42.6	63.8

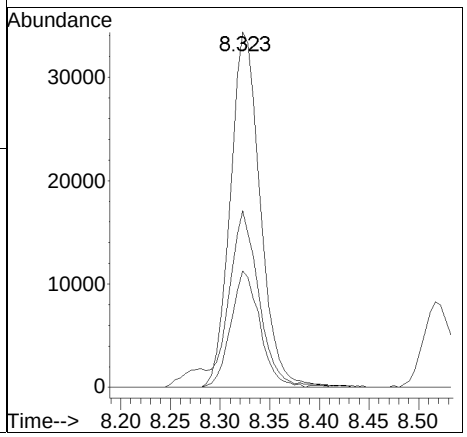


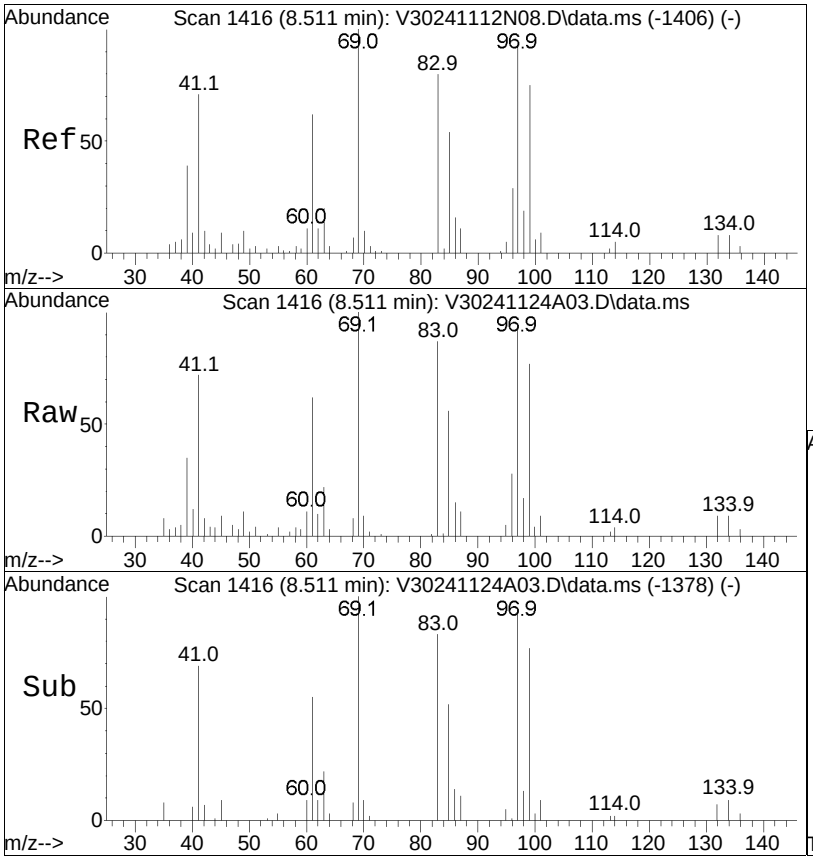


#69
trans-1,3-Dichloropropene
Concen: 7.08 ug/L
RT: 8.323 min Scan# 1380
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 75 Resp: 72383

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	54.2	60.2	90.4#

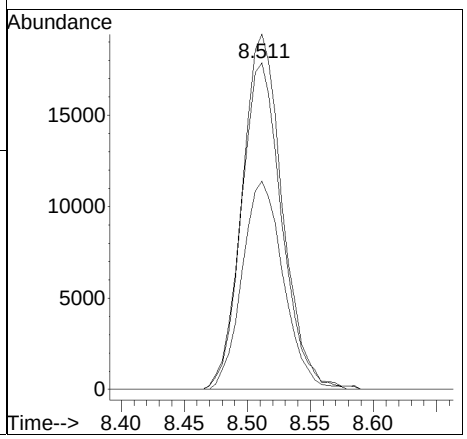


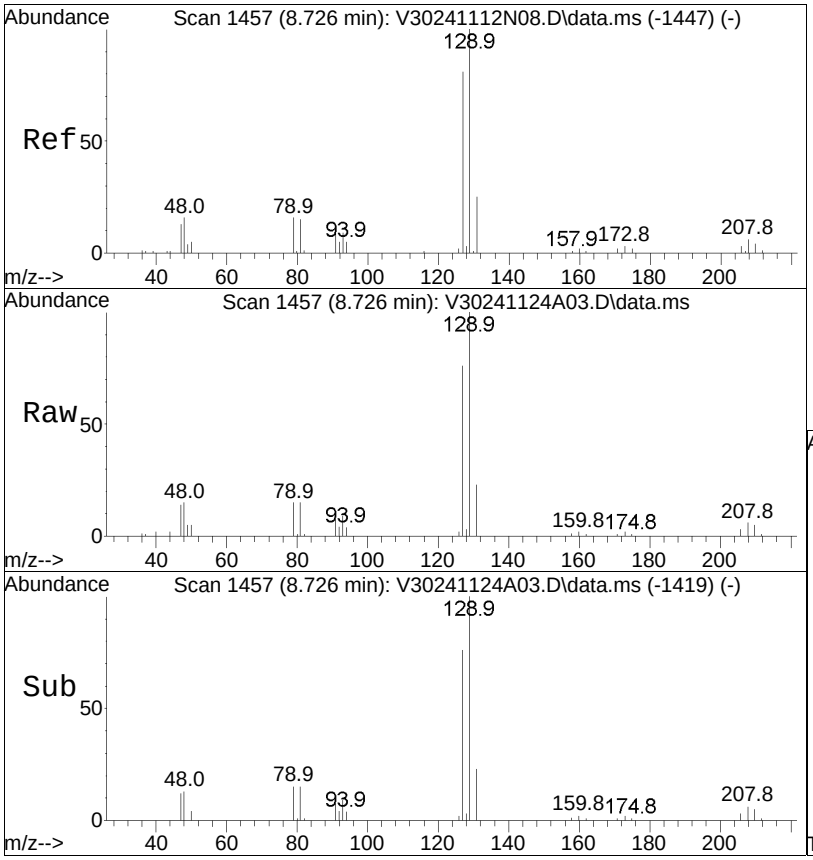


#72
1,1,2-Trichloroethane
Concen: 8.06 ug/L
RT: 8.511 min Scan# 1416
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 83 Resp: 39771

Ion	Ratio	Lower	Upper
83	100		
97	109.2	87.7	131.5
85	65.2	53.1	79.7

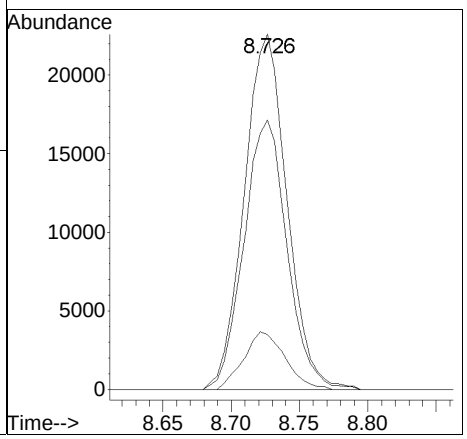


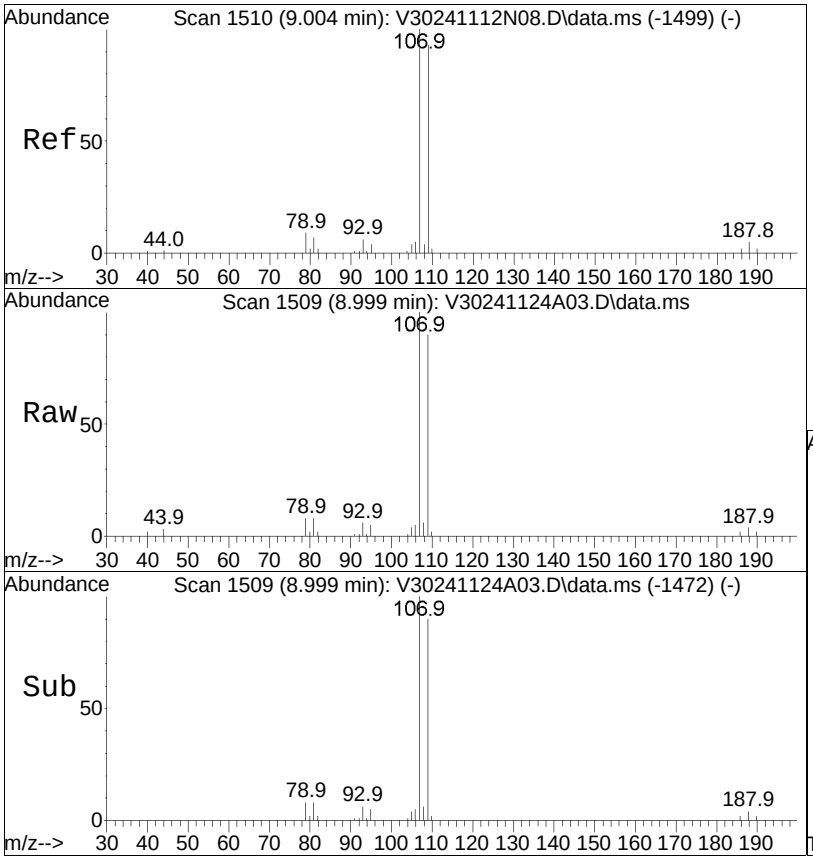


#73
Chlorodibromomethane
Concen: 7.29 ug/L
RT: 8.726 min Scan# 1457
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:129 Resp: 49171

Ion	Ratio	Lower	Upper
129	100		
81	15.7	14.6	22.0
127	76.6	62.6	93.8

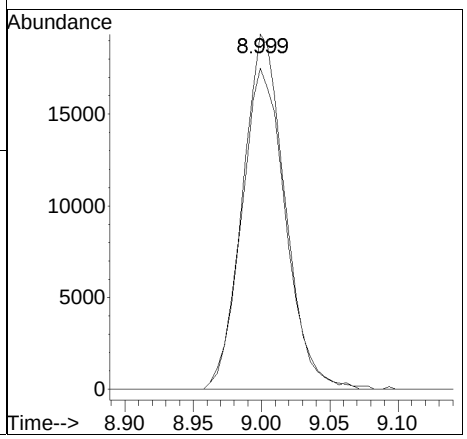


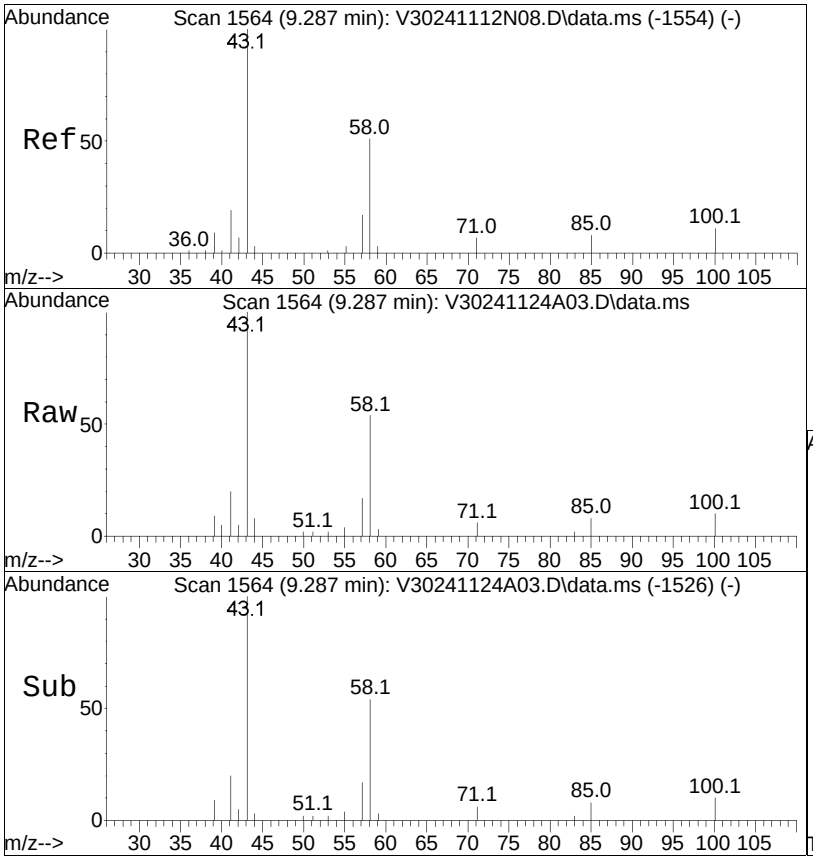


#75
1,2-Dibromoethane
Concen: 8.03 ug/L
RT: 8.999 min Scan# 1509
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:107 Resp: 42067

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.0	112.4

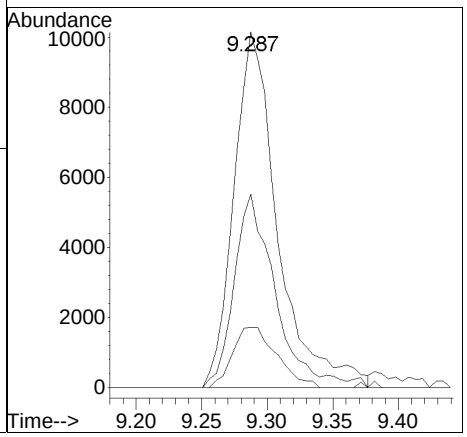


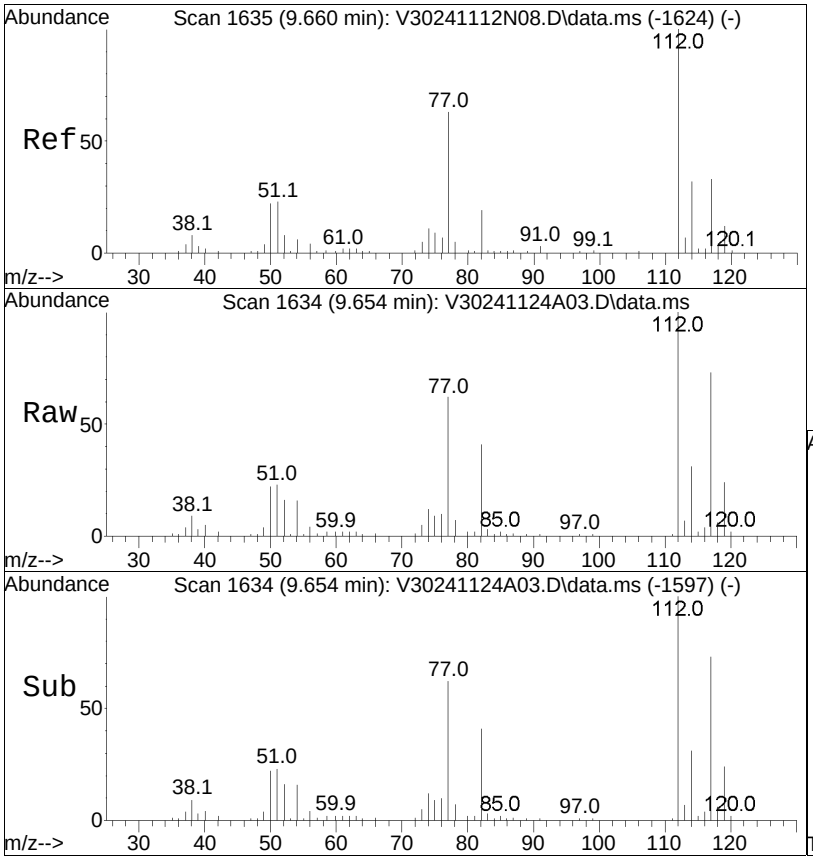


#77
2-Hexanone
Concen: 7.92 ug/L
RT: 9.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 43 Resp: 23599

Ion	Ratio	Lower	Upper
43	100		
58	50.5	38.6	58.0
57	17.0	14.1	21.1

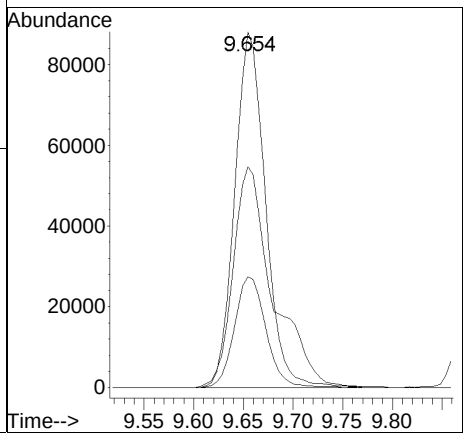


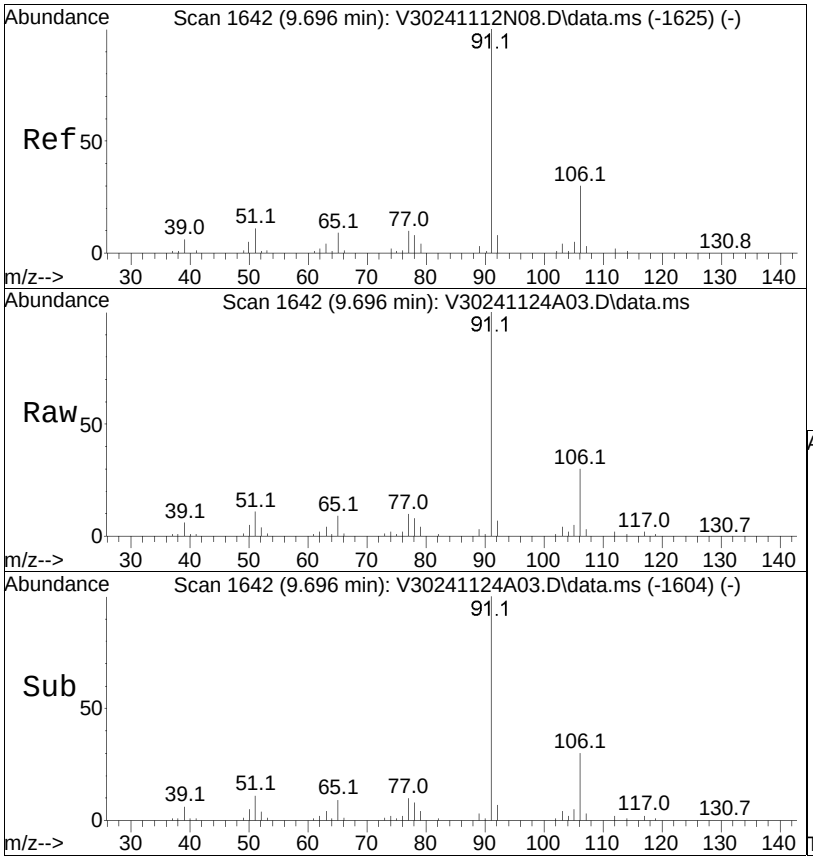


#78
Chlorobenzene
Concen: 8.00 ug/L
RT: 9.654 min Scan# 1634
Delta R.T. -0.006 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:112 Resp: 188982

Ion	Ratio	Lower	Upper
112	100		
77	80.8	54.8	82.2
114	31.9	25.4	38.0

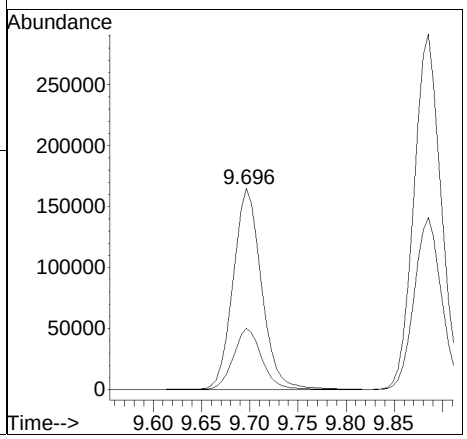


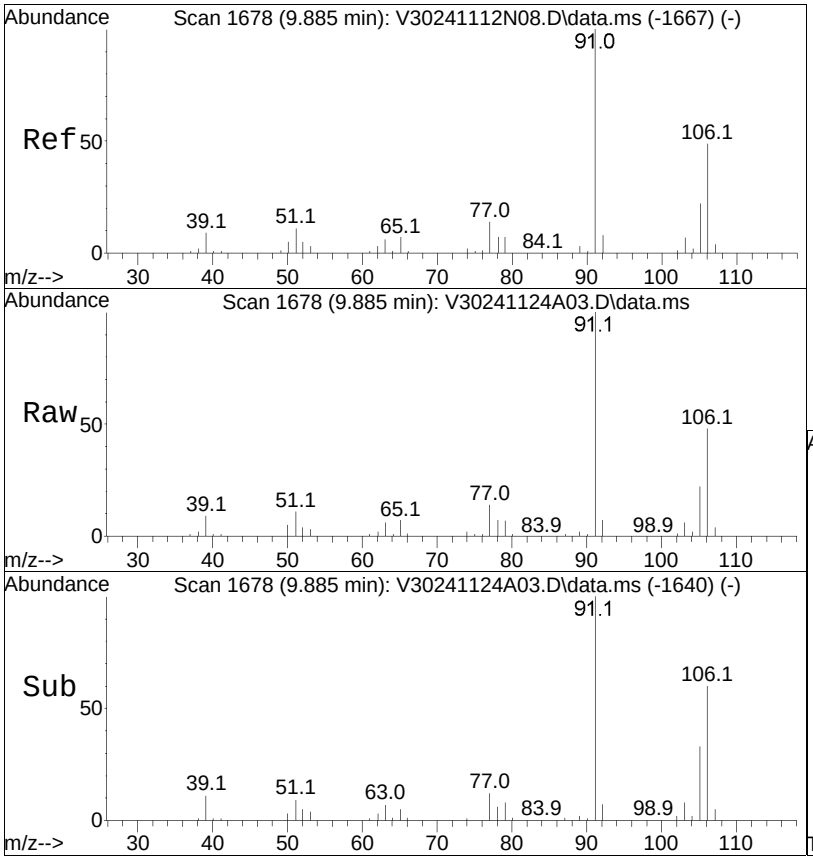


#79
Ethylbenzene
Concen: 7.75 ug/L
RT: 9.696 min Scan# 1642
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 91 Resp: 337822

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.4	35.2

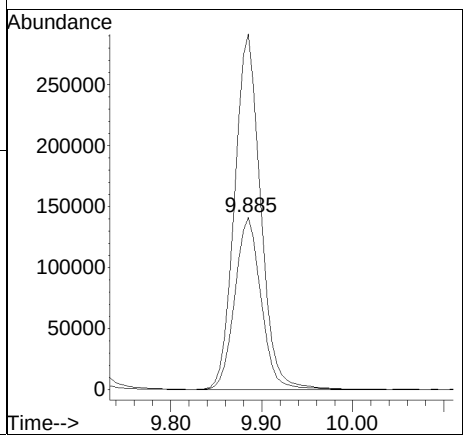


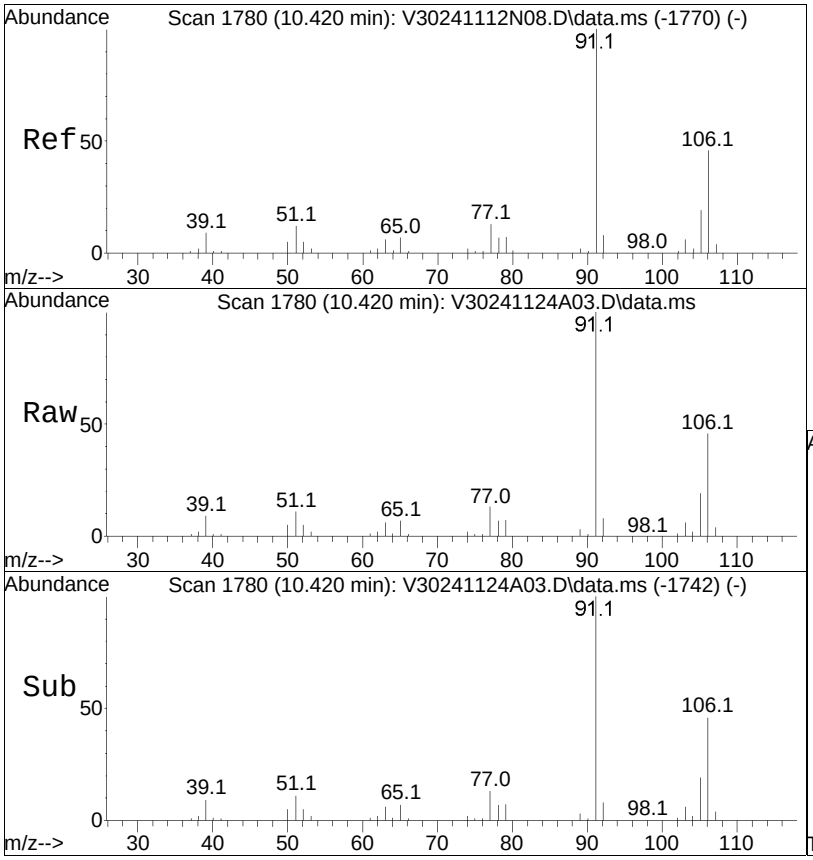


#81
p/m Xylene
Concen: 16.11 ug/L
RT: 9.885 min Scan# 1678
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:106 Resp: 282382

Ion	Ratio	Lower	Upper
106	100		
91	205.1	171.4	257.2

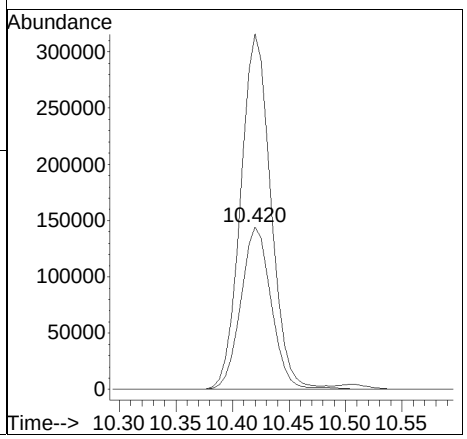


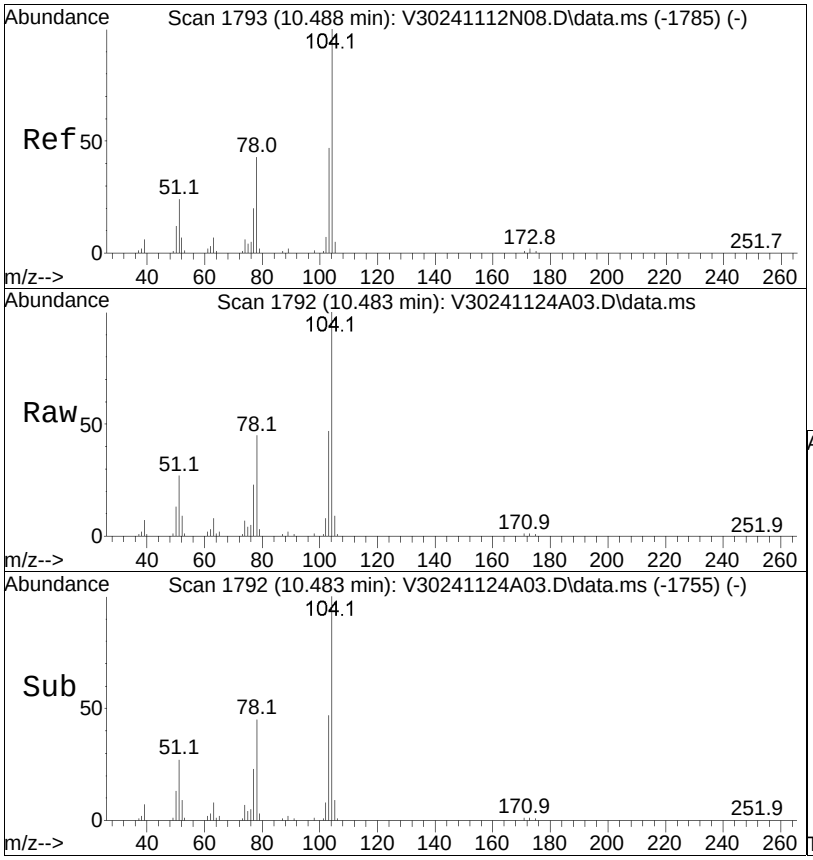


#82
o Xylene
Concen: 16.06 ug/L
RT: 10.420 min Scan# 1780
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:106 Resp: 270850

Ion	Ratio	Lower	Upper
106	100		
91	216.2	179.2	268.8

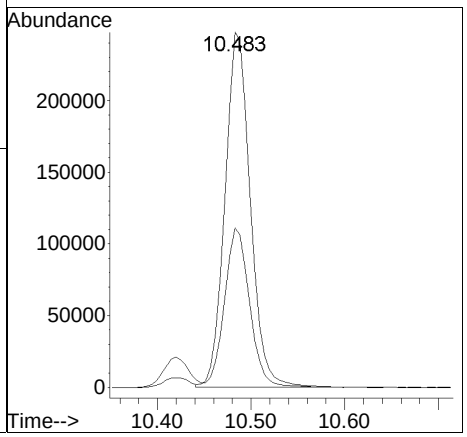


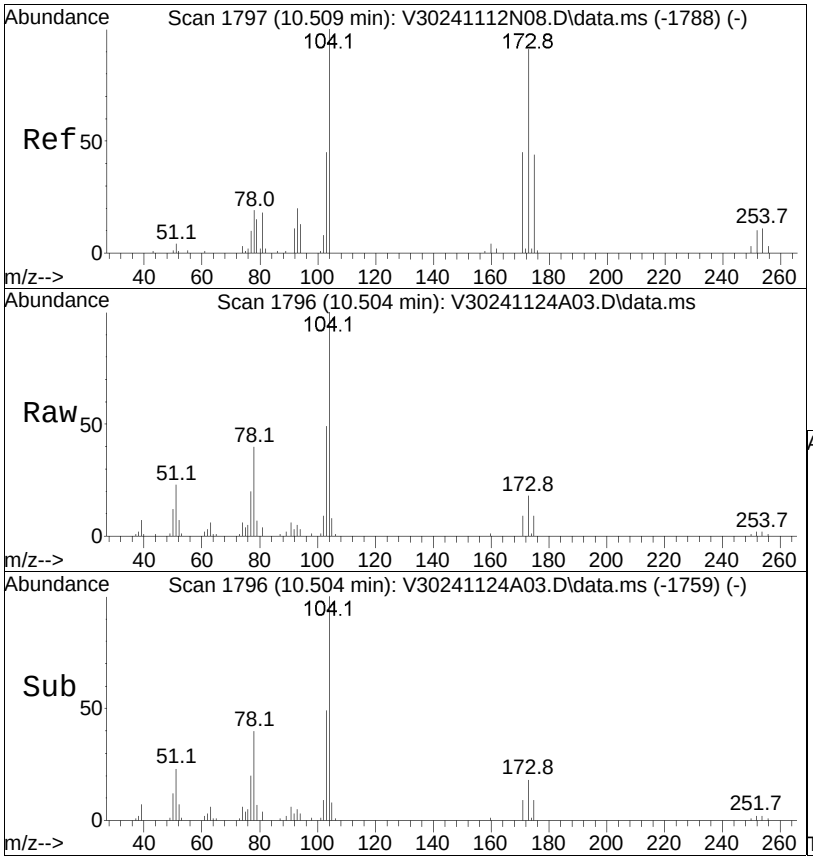


#83
Styrene
Concen: 16.81 ug/L
RT: 10.483 min Scan# 1792
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:104 Resp: 466145

Ion	Ratio	Lower	Upper
104	100		
78	44.4	38.1	57.1

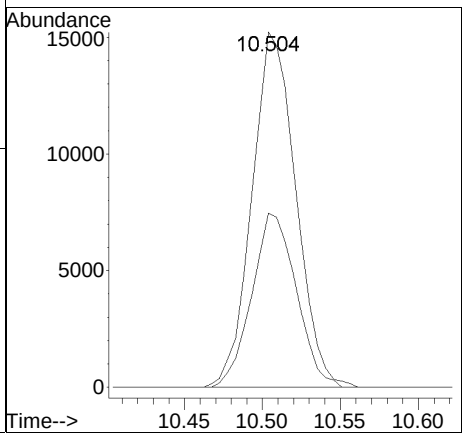


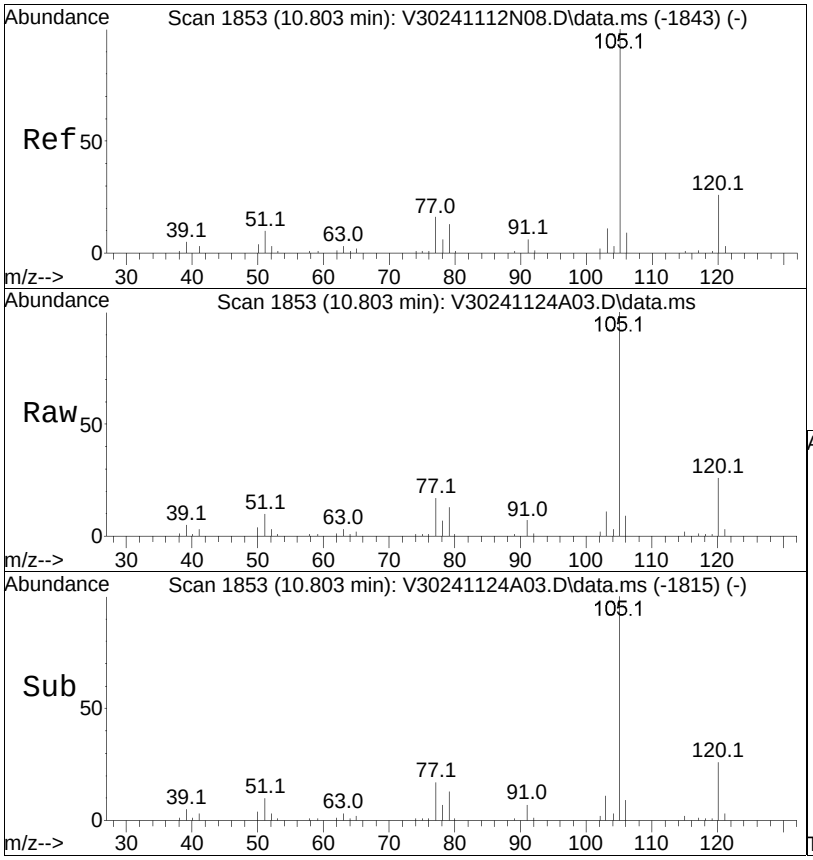


#85
Bromoform
Concen: 7.21 ug/L
RT: 10.504 min Scan# 1796
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:173 Resp: 29796

Ion	Ratio	Lower	Upper
173	100		
175	49.6	37.8	56.6

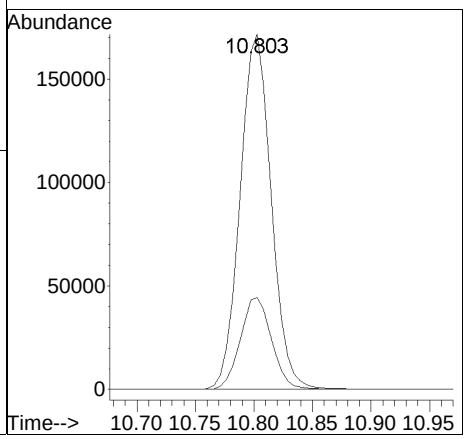


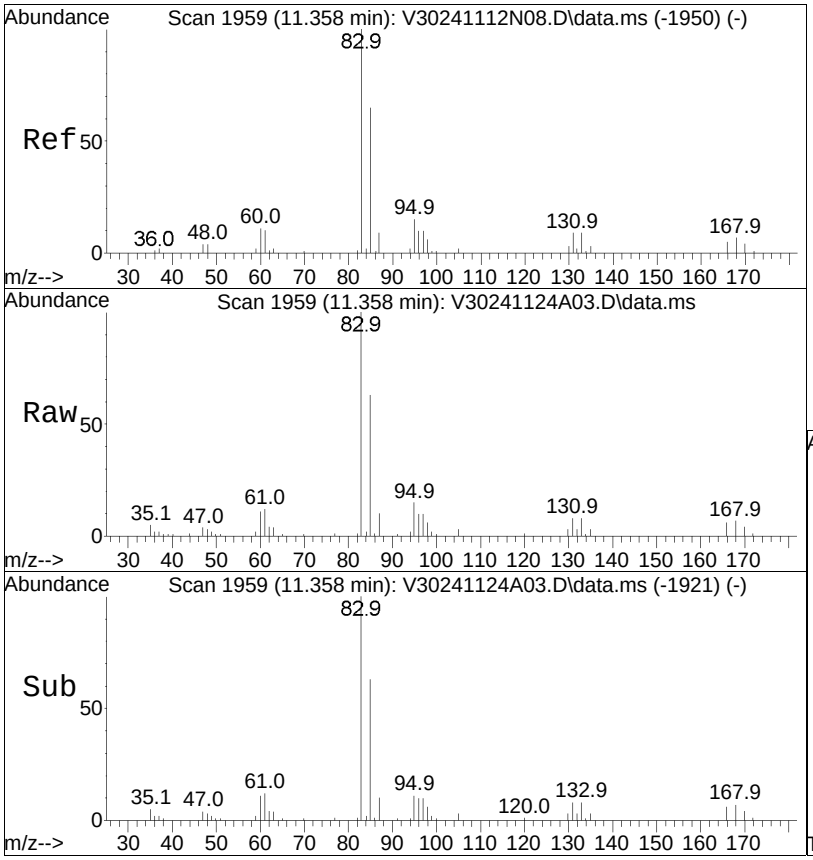


#87
Isopropylbenzene
Concen: 7.15 ug/L
RT: 10.803 min Scan# 1853
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:105 Resp: 317358

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.0	30.0

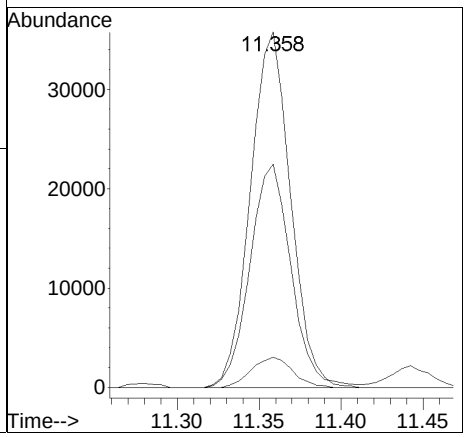


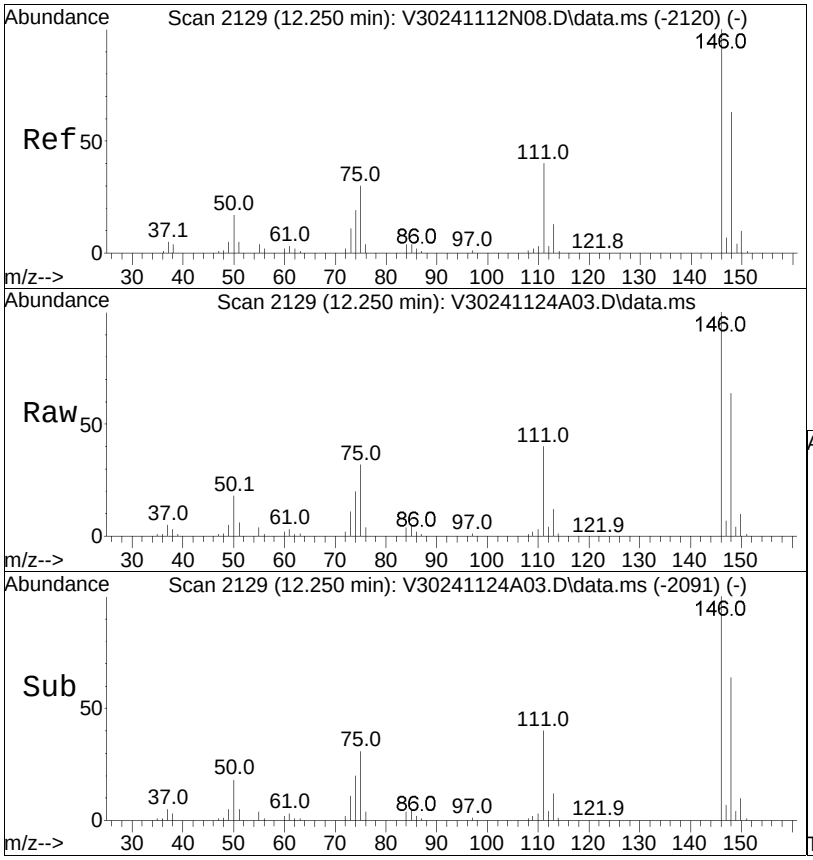


#92
1,1,2,2-Tetrachloroethane
Concen: 8.74 ug/L
RT: 11.358 min Scan# 1959
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion: 83 Resp: 60786

Ion	Ratio	Lower	Upper
83	100		
131	8.7	6.6	10.0
85	64.6	51.8	77.6

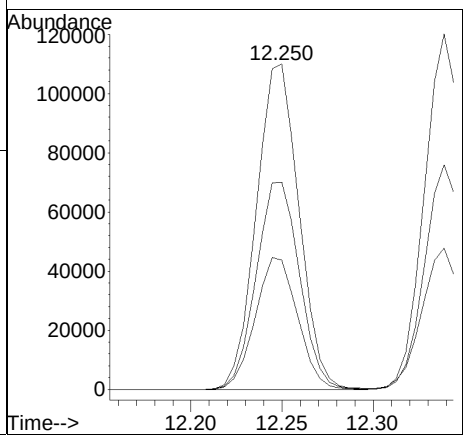


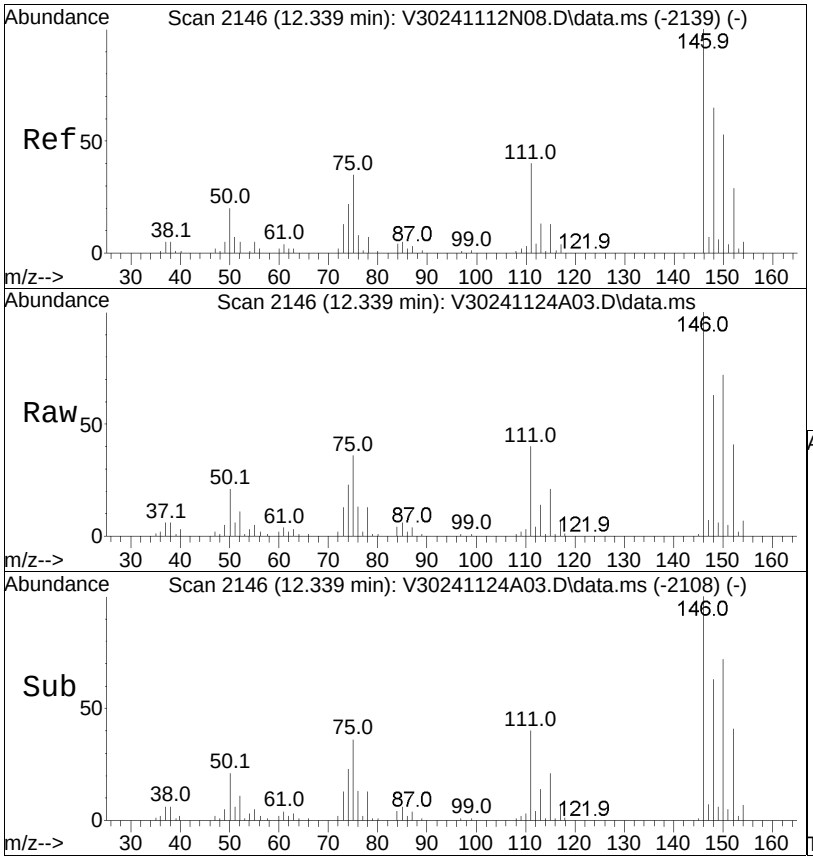


#105
1,3-Dichlorobenzene
Concen: 7.92 ug/L
RT: 12.250 min Scan# 2129
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:146 Resp: 178728

Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.0	58.1
148	64.7	40.8	84.6

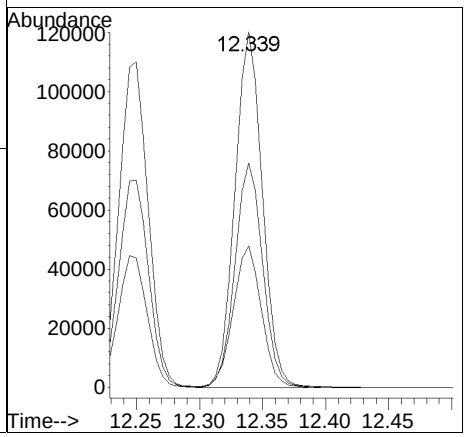


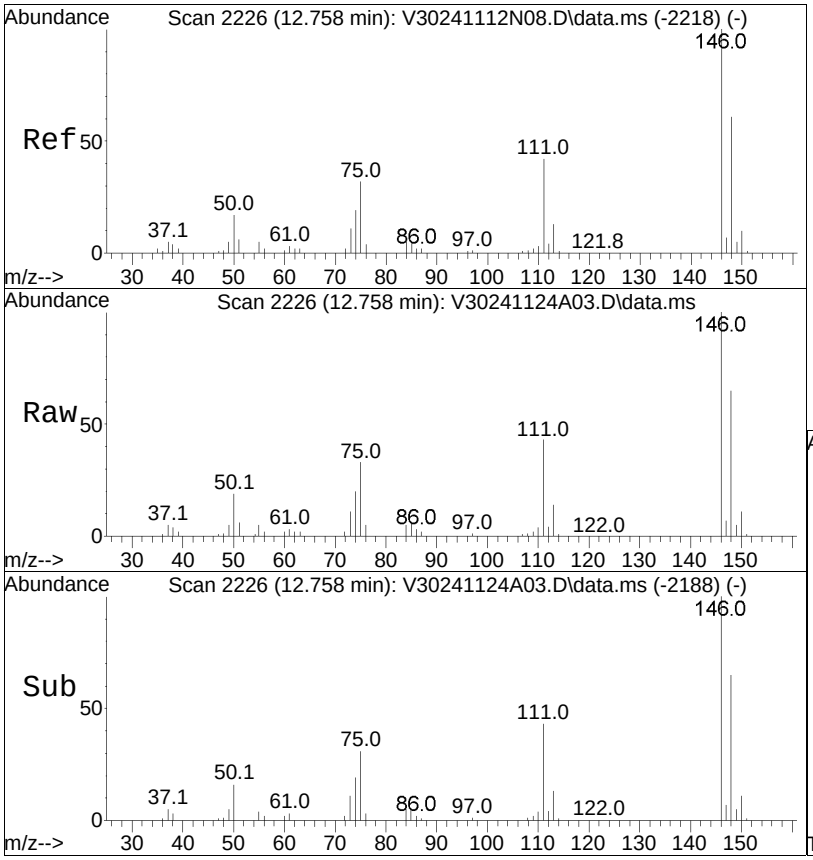


#106
1,4-Dichlorobenzene
Concen: 7.92 ug/L
RT: 12.339 min Scan# 2146
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:146 Resp: 182674

Ion	Ratio	Lower	Upper
146	100		
111	40.9	33.7	50.5
148	63.6	50.8	76.2

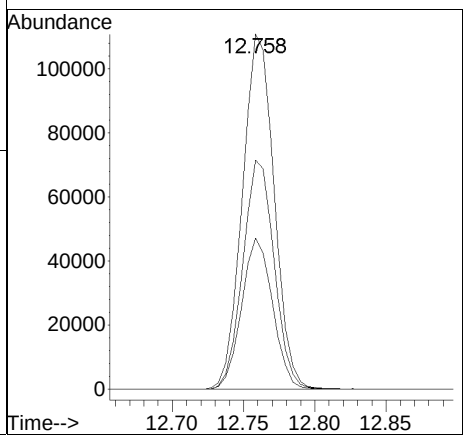


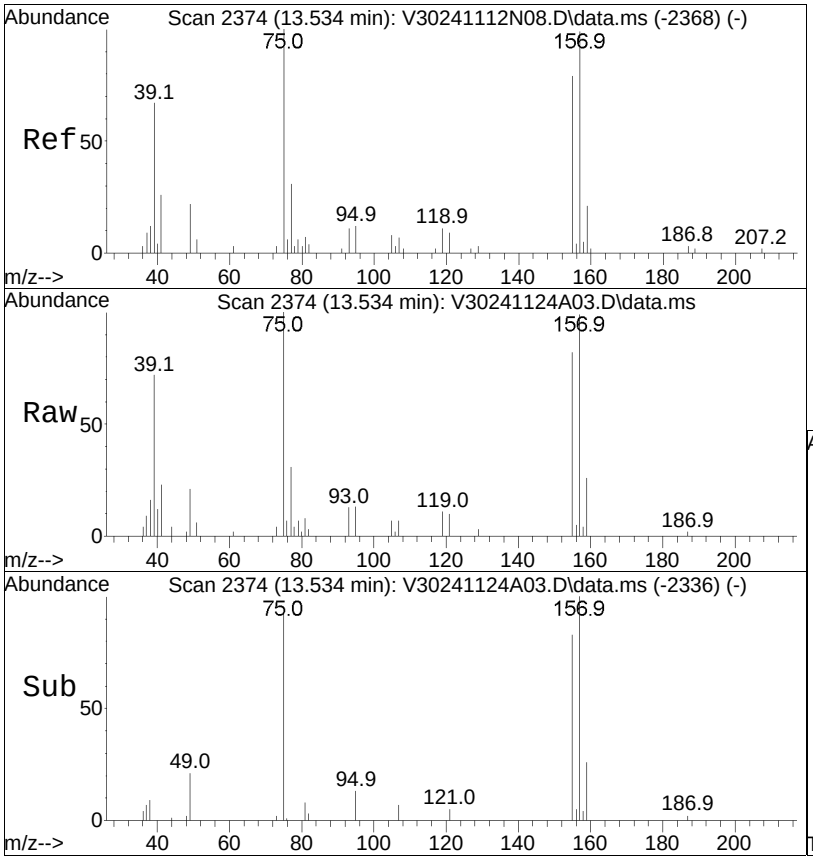


#109
1,2-Dichlorobenzene
Concen: 8.04 ug/L
RT: 12.758 min Scan# 2226
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:146 Resp: 172139

Ion	Ratio	Lower	Upper
146	100		
111	41.7	29.5	61.3
148	63.8	41.3	85.9

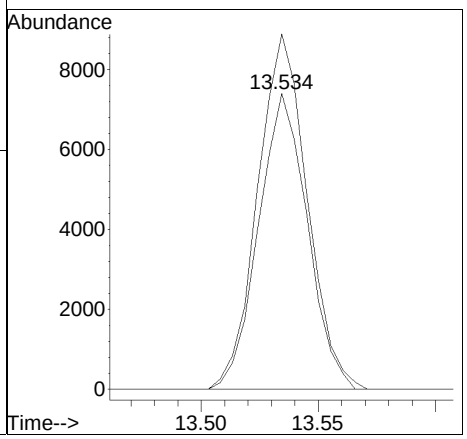


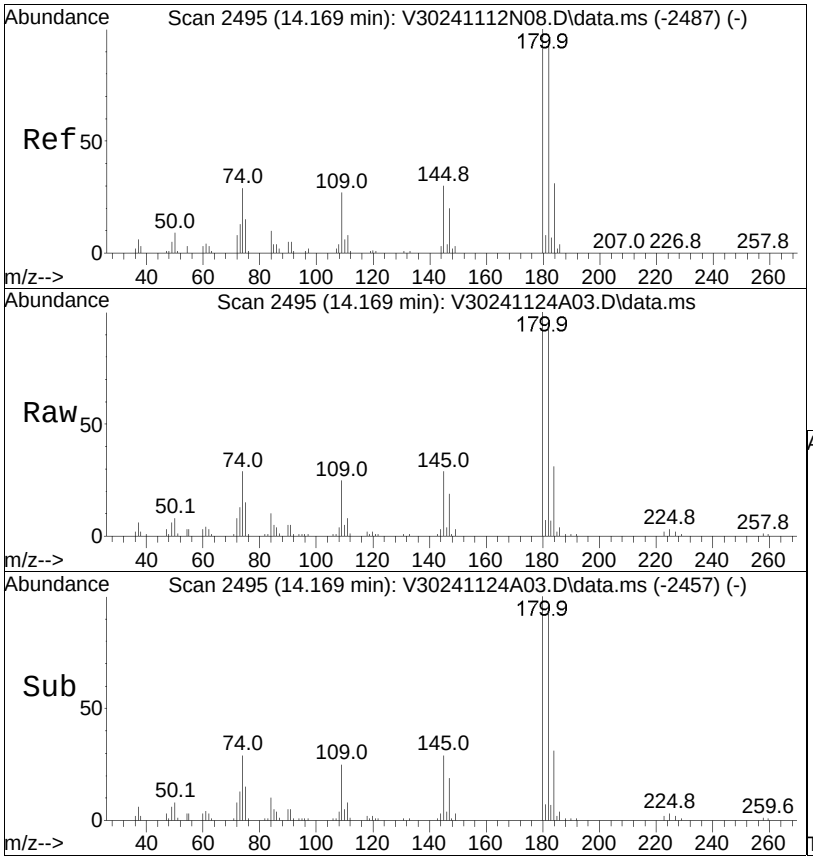


#111
1,2-Dibromo-3-chloropropane
Concen: 9.27 ug/L
RT: 13.534 min Scan# 2374
Delta R.T. 0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:155 Resp: 10741

Ion	Ratio	Lower	Upper
155	100		
157	121.5	105.1	157.7

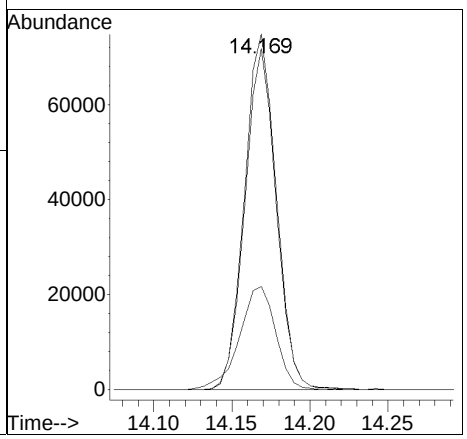


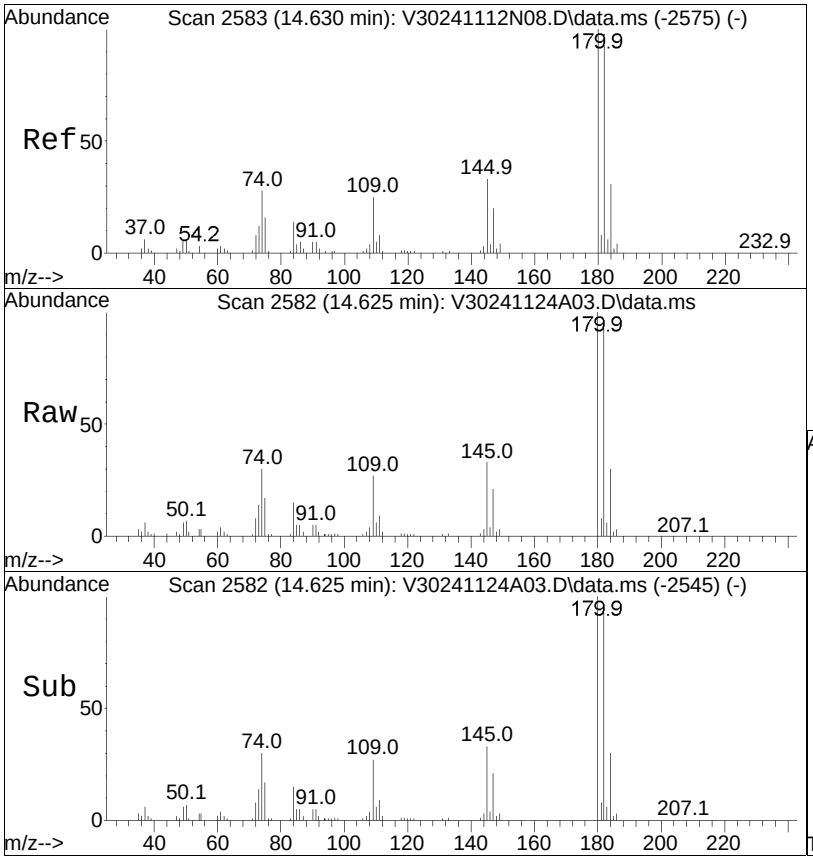


#114
1,2,4-Trichlorobenzene
Concen: 7.58 ug/L
RT: 14.169 min Scan# 2495
Delta R.T. -0.000 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:180 Resp: 106020

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	32.9	27.4	41.2

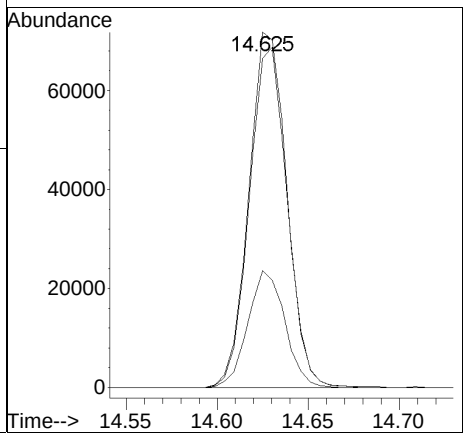




#116
1,2,3-Trichlorobenzene
Concen: 7.97 ug/L
RT: 14.625 min Scan# 2582
Delta R.T. -0.005 min
Lab File: V30241124A03.D
Acq: 24 Nov 2024 09:34 am

Tgt Ion:180 Resp: 103897

Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.9	112.3
145	32.0	26.0	39.0

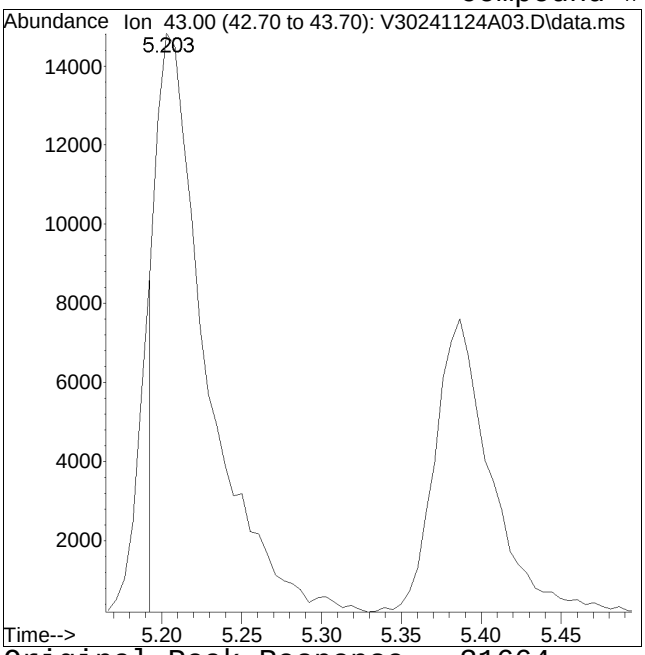


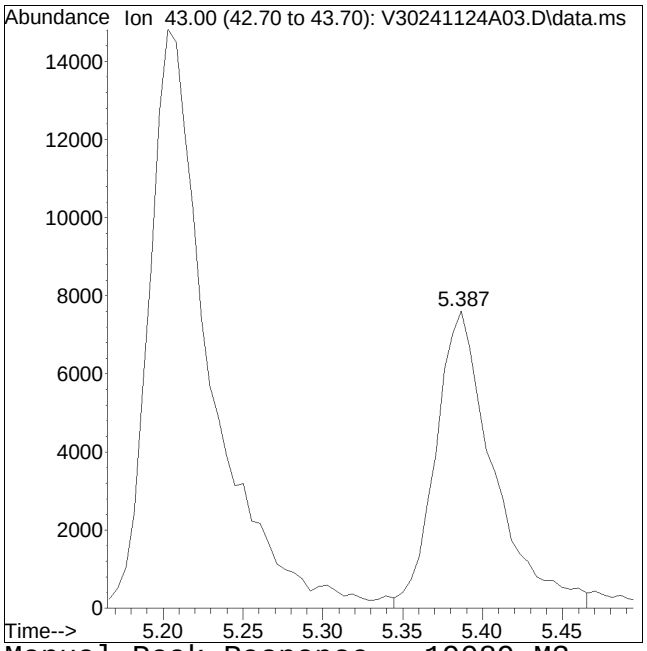
Manual Integration Report

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A03.D
Date Inj'd : 11/24/2024 9:34 am
Sample : WG2001917-4,31,10,10

QMethod : V130_241112N_8260D.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 11/24/2024 9:58 am

Compound #42: 2-Butanone





Original Peak Response = 31664 Manual Peak Response = 19089 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:\VOA130\2024\241124A\
Data File : V30241124A26.D
Acq On : 24 Nov 2024 07:16 pm
Operator : VOA130:PID
Sample : WG2001917-6,31,10,10,,A1
Misc : WG2001917,ICAL21702
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 25 07:36:01 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	406160	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery =	95.44%		
63) Chlorobenzene-d5	9.633	117	327514	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery =	94.71%		
84) 1,4-Dichlorobenzene-d4	12.323	152	219256	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery =	96.07%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.276	113	151841	10.876	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.76%		
47) 1,2-Dichloroethane-d4	5.801	65	159700	11.423	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	114.23%		
64) Toluene-d8	7.788	98	441116	10.040	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.40%		
88) 4-Bromofluorobenzene	11.117	95	176983	9.347	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.47%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	141804	14.454	ug/L	96
3) Chloromethane	1.863	50	143919	12.027	ug/L	98
4) Vinyl chloride	1.942	62	150048	12.761	ug/L	99
5) Bromomethane	2.256	94	39138	6.134	ug/L	97
6) Chloroethane	2.372	64	91712	12.737	ug/L	99
7) Trichlorofluoromethane	2.518	101	162867	12.361	ug/L	99
10) 1,1-Dichloroethene	3.011	96	98954	11.700	ug/L	81
11) Carbon disulfide	3.043	76	298238	11.713	ug/L	100
12) Freon-113	3.053	101	89347	11.129	ug/L	92
15) Methylene chloride	3.567	84	119801	11.477	ug/L	87
17) Acetone	3.604	43	20752	13.533	ug/L	93
18) trans-1,2-Dichloroethene	3.724	96	99723	10.977	ug/L	88
19) Methyl acetate	3.730	43	40947	10.775	ug/L #	87
21) Methyl tert-butyl ether	3.829	73	112301	7.936	ug/L	96
25) 1,1-Dichloroethane	4.312	63	223817	11.838	ug/L	99
30) cis-1,2-Dichloroethene	4.831	96	110794	10.726	ug/L	86
33) Bromochloromethane	5.025	128	51412	11.099	ug/L #	72
34) Cyclohexane	5.040	56	119194	8.676	ug/L	89
35) Chloroform	5.098	83	202434	11.639	ug/L	95
37) Carbon tetrachloride	5.240	117	104634	10.259	ug/L	97

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A26.D
Acq On : 24 Nov 2024 07:16 pm
Operator : VOA130:PID
Sample : WG2001917-6,31,10,10,,A1
Misc : WG2001917,ICAL21702
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 25 07:36:01 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	5.303	97	135931	10.929	ug/L		95
42) 2-Butanone	5.386	43	19700	10.326	ug/L		99
45) Benzene	5.670	78	313819	10.356	ug/L		97
48) 1,2-Dichloroethane	5.869	62	117692	11.006	ug/L	#	97
51) Methyl cyclohexane	6.273	83	93815	8.709	ug/L		94
52) Trichloroethene	6.273	95	69485	9.411	ug/L		95
55) 1,2-Dichloropropane	6.807	63	73614	9.244	ug/L		97
58) Bromodichloromethane	6.886	83	105576	9.765	ug/L		99
61) 1,4-Dioxane	7.090	88	22297	571.045	ug/L		94
62) cis-1,3-Dichloropropene	7.578	75	88817	8.024	ug/L	#	84
65) Toluene	7.845	92	208351	10.415	ug/L		99
66) 4-Methyl-2-pentanone	8.275	58	13343	9.094	ug/L	#	92
67) Tetrachloroethene	8.302	166	76609	10.555	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	80654	8.635	ug/L	#	78
72) 1,1,2-Trichloroethane	8.511	83	44870	10.074	ug/L		98
73) Chlorodibromomethane	8.726	129	55620	9.021	ug/L		99
75) 1,2-Dibromoethane	9.004	107	47653	10.071	ug/L		100
77) 2-Hexanone	9.287	43	23580	8.762	ug/L		96
78) Chlorobenzene	9.654	112	219333	10.281	ug/L		90
79) Ethylbenzene	9.696	91	395621	10.051	ug/L		98
81) p/m Xylene	9.885	106	331302	20.921	ug/L		94
82) o Xylene	10.420	106	313435	20.571	ug/L		96
83) Styrene	10.488	104	525948	21.004	ug/L		95
85) Bromoform	10.509	173	32821	8.552	ug/L		98
87) Isopropylbenzene	10.803	105	368959	9.023	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.358	83	63789	9.957	ug/L		98
105) 1,3-Dichlorobenzene	12.250	146	198622	9.553	ug/L		97
106) 1,4-Dichlorobenzene	12.339	146	203293	9.566	ug/L		98
109) 1,2-Dichlorobenzene	12.758	146	187982	9.537	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.534	155	10852	10.163	ug/L		94
114) 1,2,4-Trichlorobenzene	14.169	180	107609	8.347	ug/L		99
116) 1,2,3-Trichlorobenzene	14.630	180	106003	8.828	ug/L		98

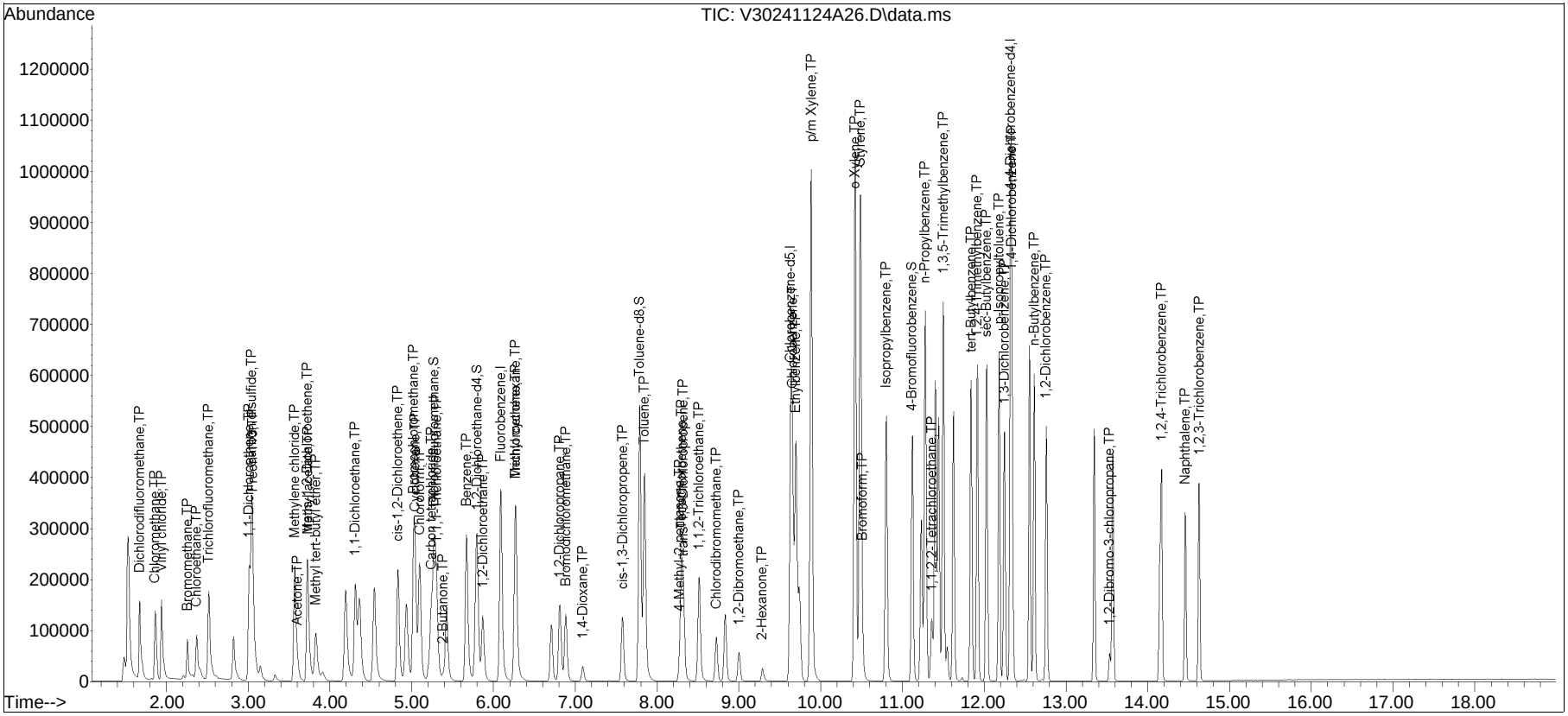
(#) = qualifier out of range (m) = manual integration (+) = signals summed

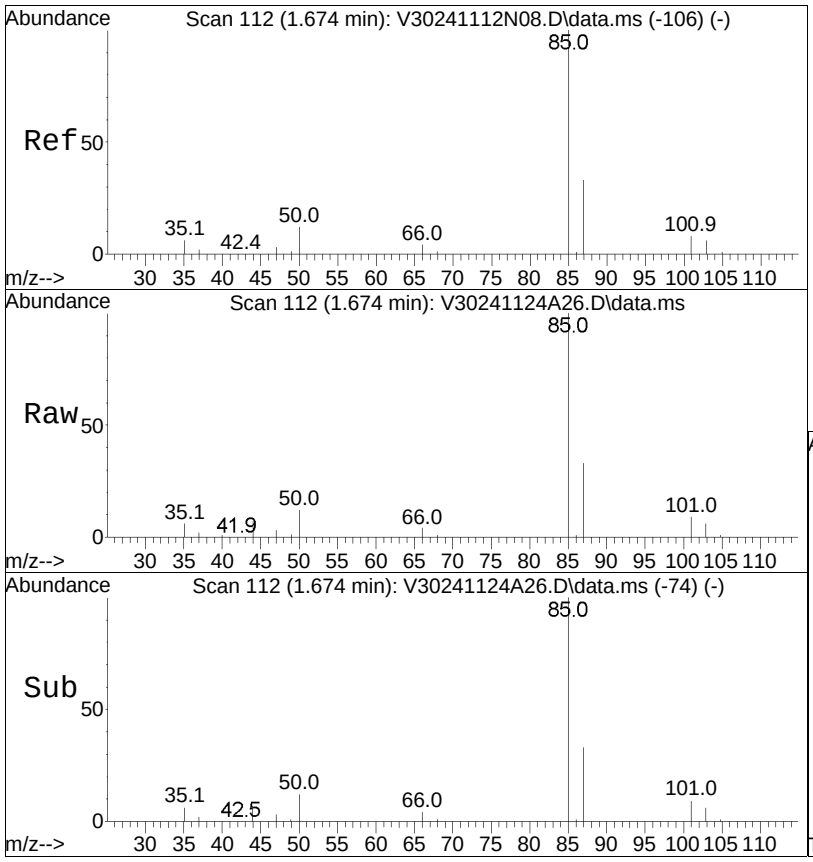
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A26.D
Acq On : 24 Nov 2024 07:16 pm
Operator : VOA130:PID
Sample : WG2001917-6,31,10,10,,A1
Misc : WG2001917,ICAL21702
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 25 07:36:01 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

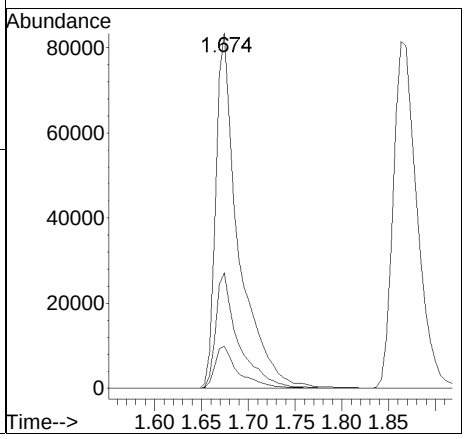


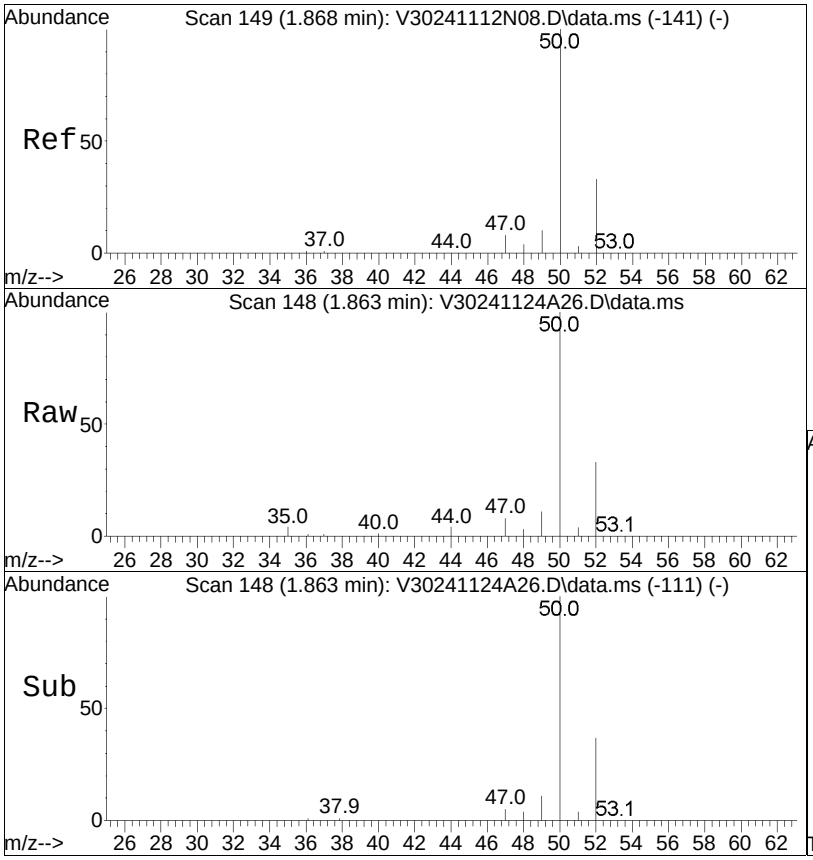


#2
Dichlorodifluoromethane
Concen: 14.45 ug/L
RT: 1.674 min Scan# 112
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 85 Resp: 141804

Ion	Ratio	Lower	Upper
85	100		
87	32.3	20.2	42.0
50	12.2	10.1	20.9

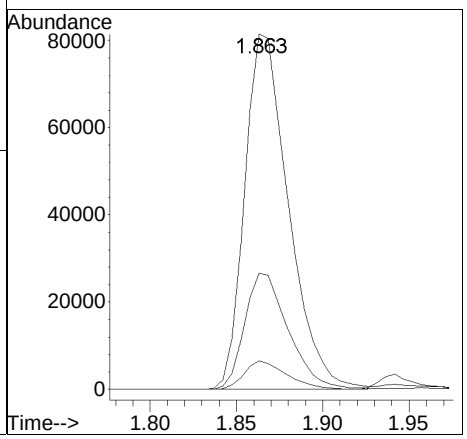


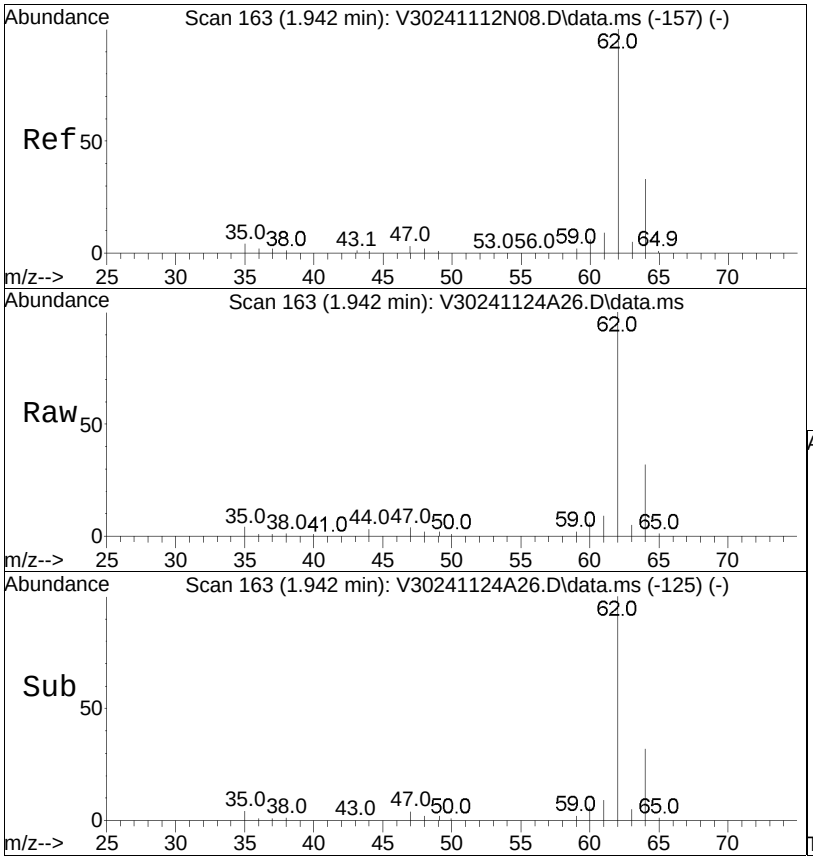


#3
Chloromethane
Concen: 12.03 ug/L
RT: 1.863 min Scan# 148
Delta R.T. -0.005 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 50 Resp: 143919

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.1	37.7
47	7.8	6.5	9.7

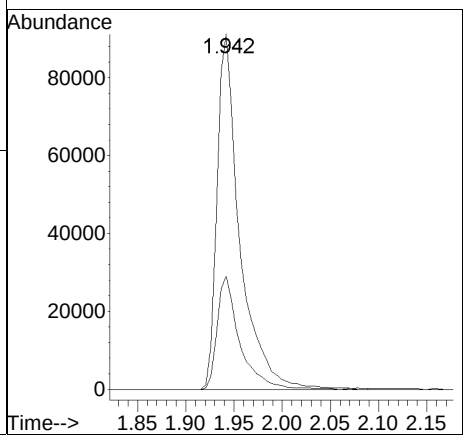


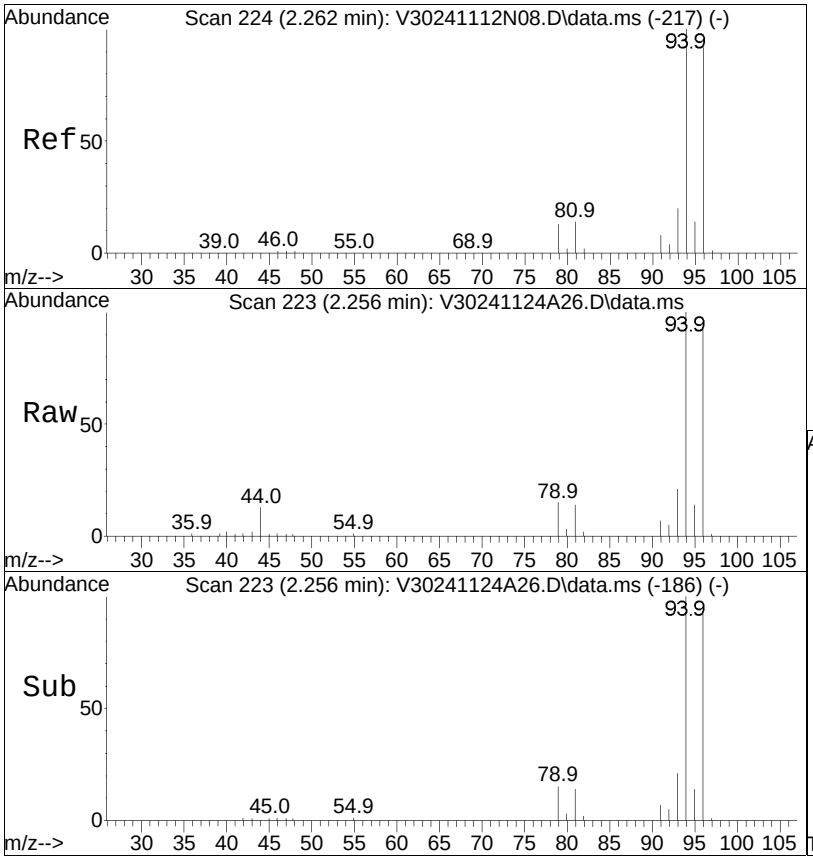


#4
Vinyl chloride
Concen: 12.76 ug/L
RT: 1.942 min Scan# 163
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 62 Resp: 150048

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.7	38.5

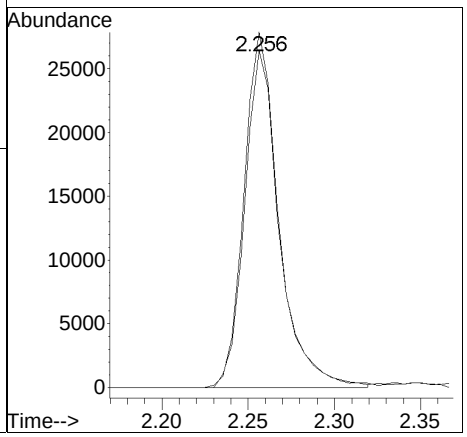


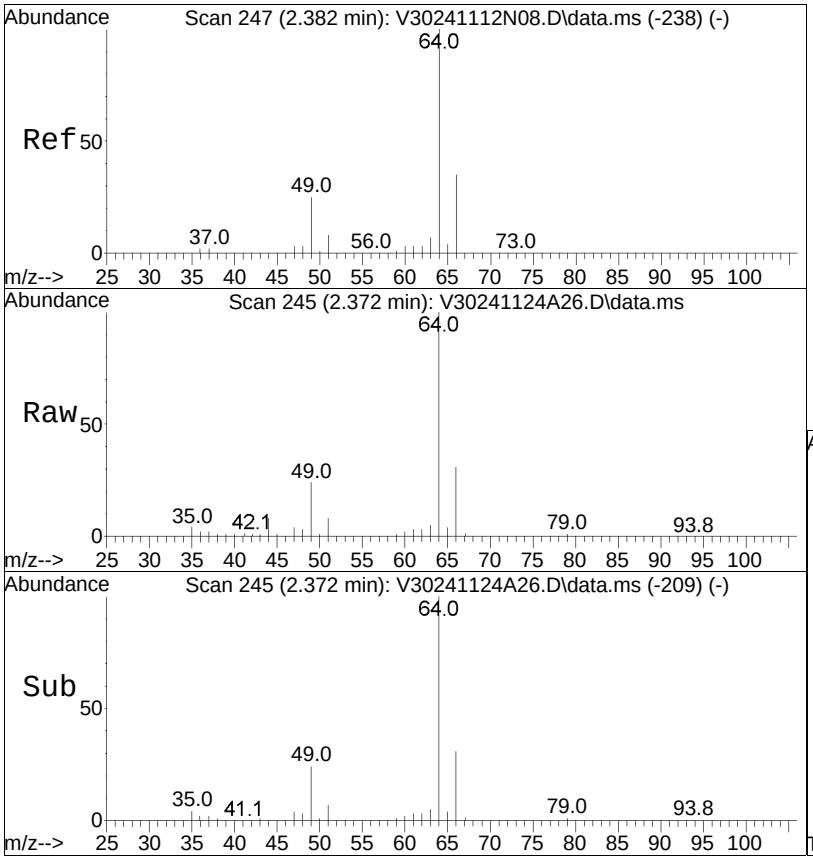


#5
Bromomethane
Concen: 6.13 ug/L
RT: 2.256 min Scan# 223
Delta R.T. -0.006 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 94 Resp: 39138

Ion	Ratio	Lower	Upper
94	100		
96	95.0	73.7	110.5

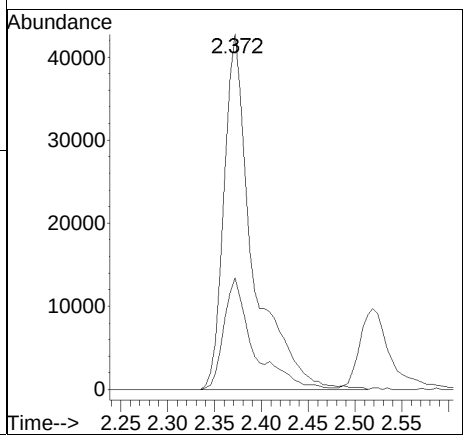


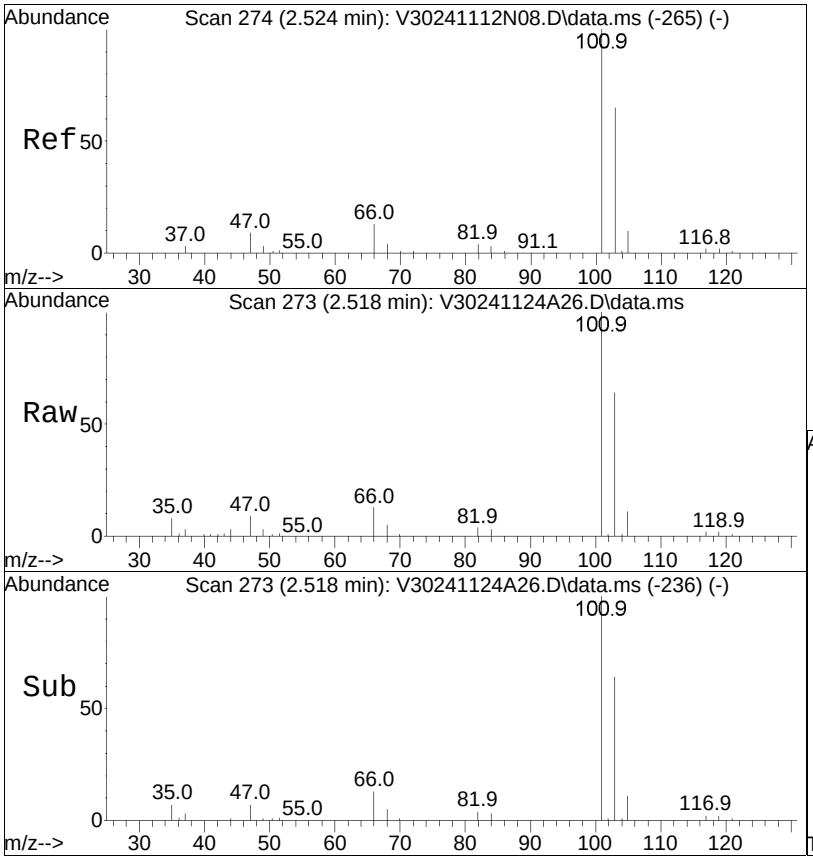


#6
Chloroethane
Concen: 12.74 ug/L
RT: 2.372 min Scan# 245
Delta R.T. -0.010 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 64 Resp: 91712

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.3	37.9

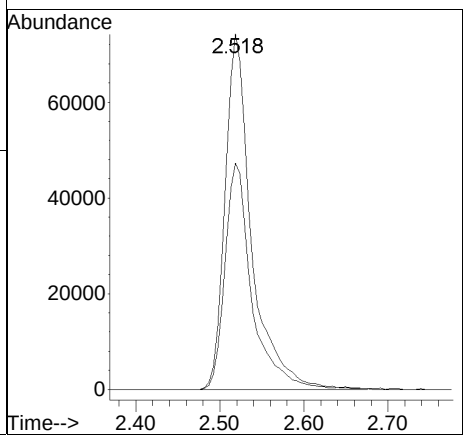


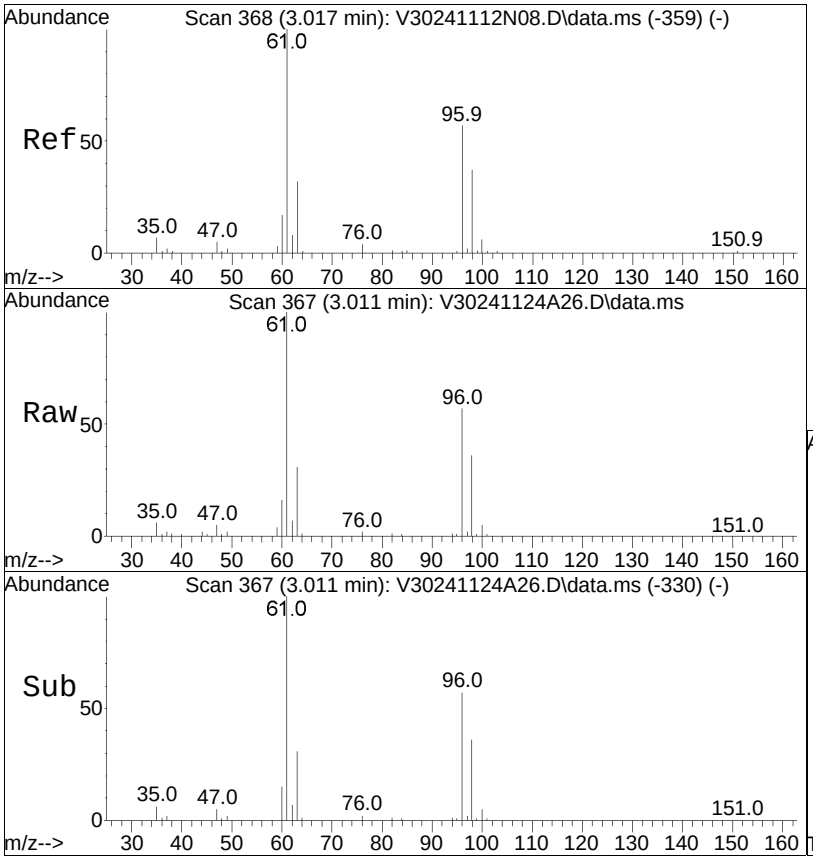


#7
Trichlorofluoromethane
Concen: 12.36 ug/L
RT: 2.518 min Scan# 273
Delta R.T. -0.006 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:101 Resp: 162867

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.0	76.4

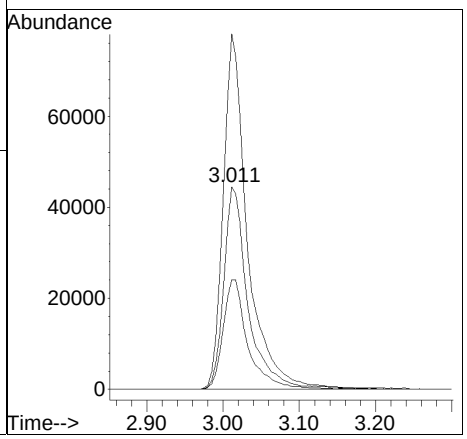


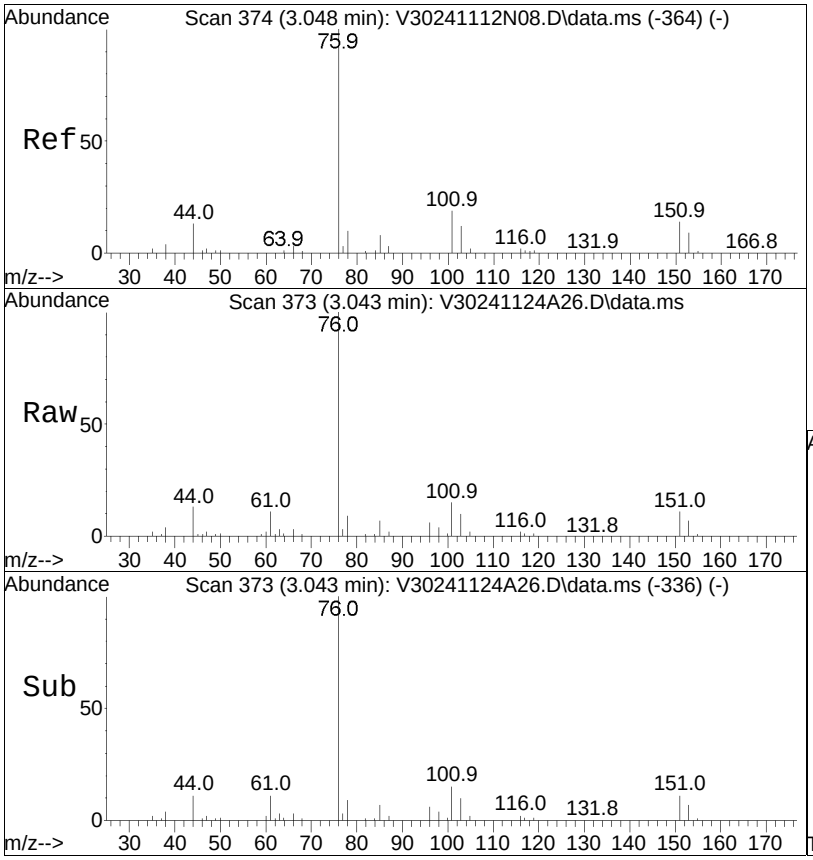


#10
1,1-Dichloroethene
Concen: 11.70 ug/L
RT: 3.011 min Scan# 367
Delta R.T. -0.006 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 96 Resp: 98954

Ion	Ratio	Lower	Upper
96	100		
61	174.9	165.5	248.3
63	55.2	51.9	77.9

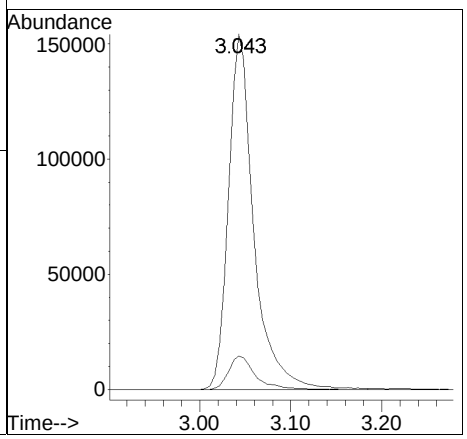


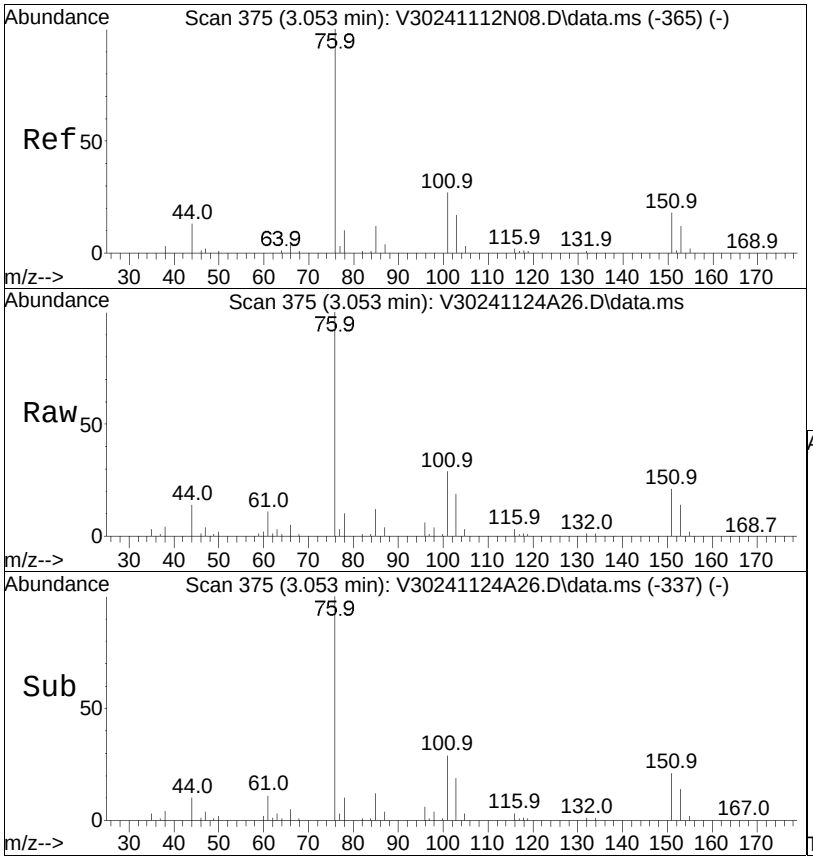


#11
Carbon disulfide
Concen: 11.71 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 76 Resp: 298238

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

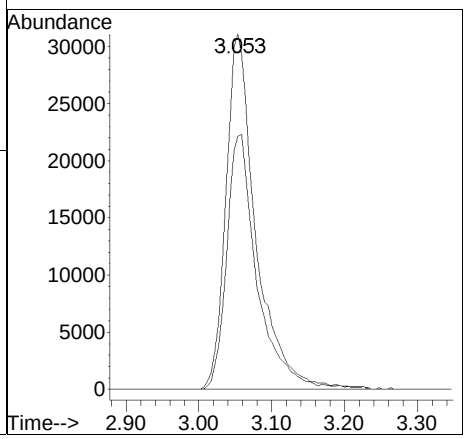


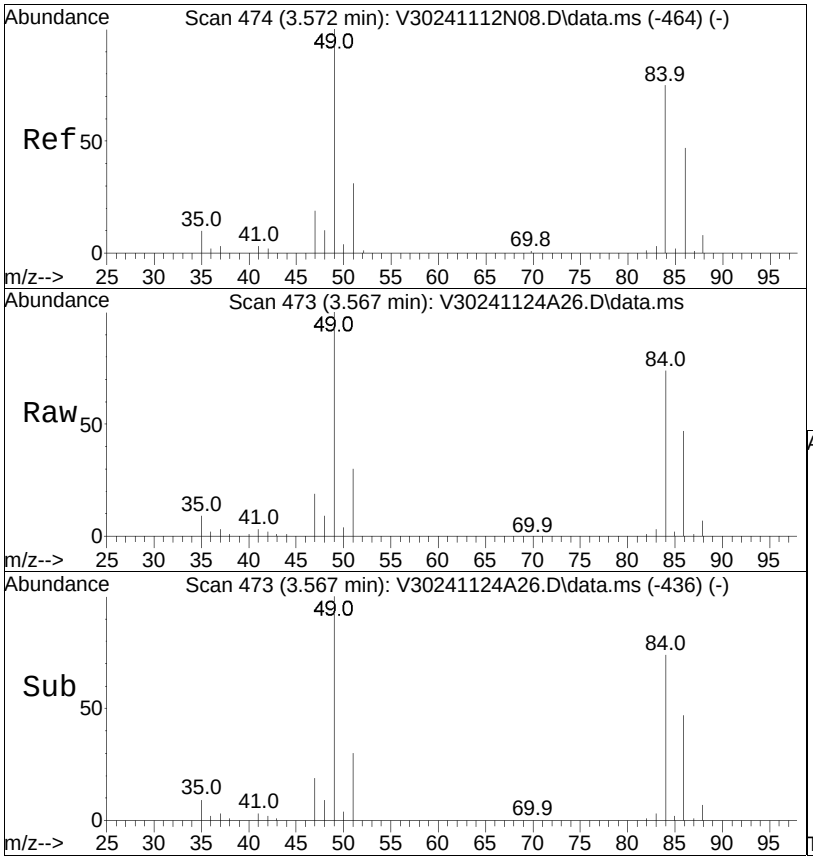


#12
Freon-113
Concen: 11.13 ug/L
RT: 3.053 min Scan# 375
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:101 Resp: 89347

Ion	Ratio	Lower	Upper
101	100		
151	71.5	51.9	77.9

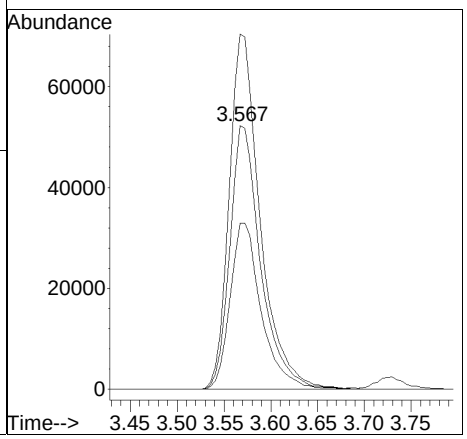


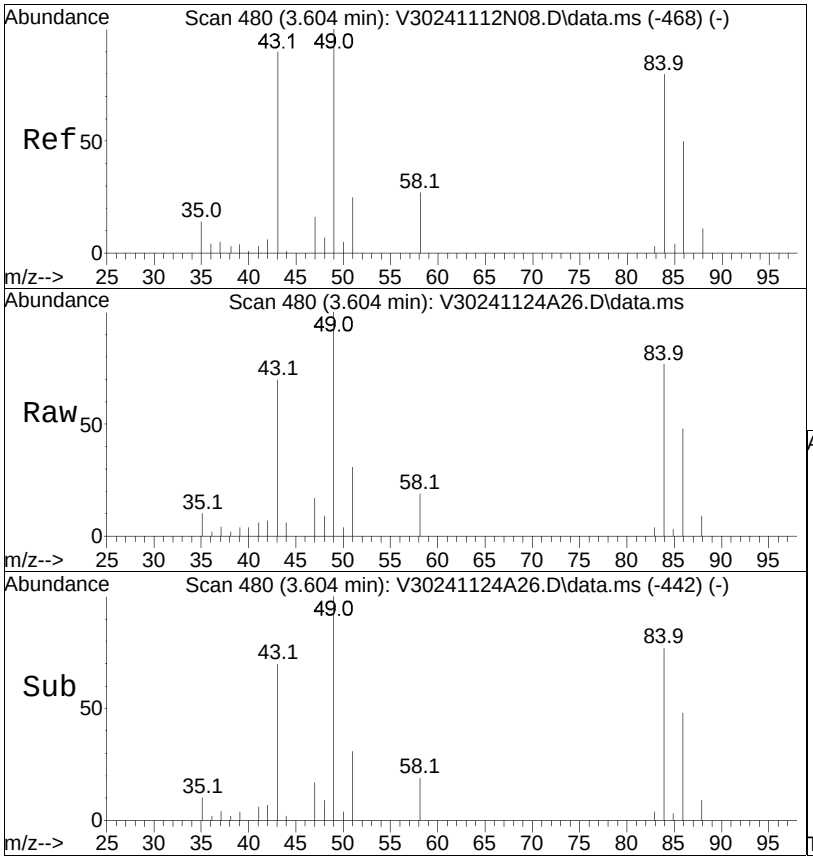


#15
Methylene chloride
Concen: 11.48 ug/L
RT: 3.567 min Scan# 473
Delta R.T. -0.005 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 84 Resp: 119801

Ion	Ratio	Lower	Upper
84	100		
86	63.8	41.7	86.5
49	135.2	103.9	215.9

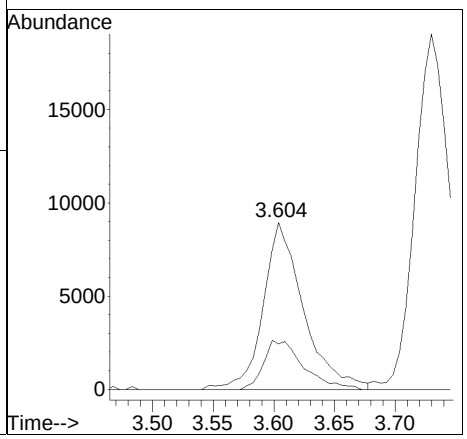


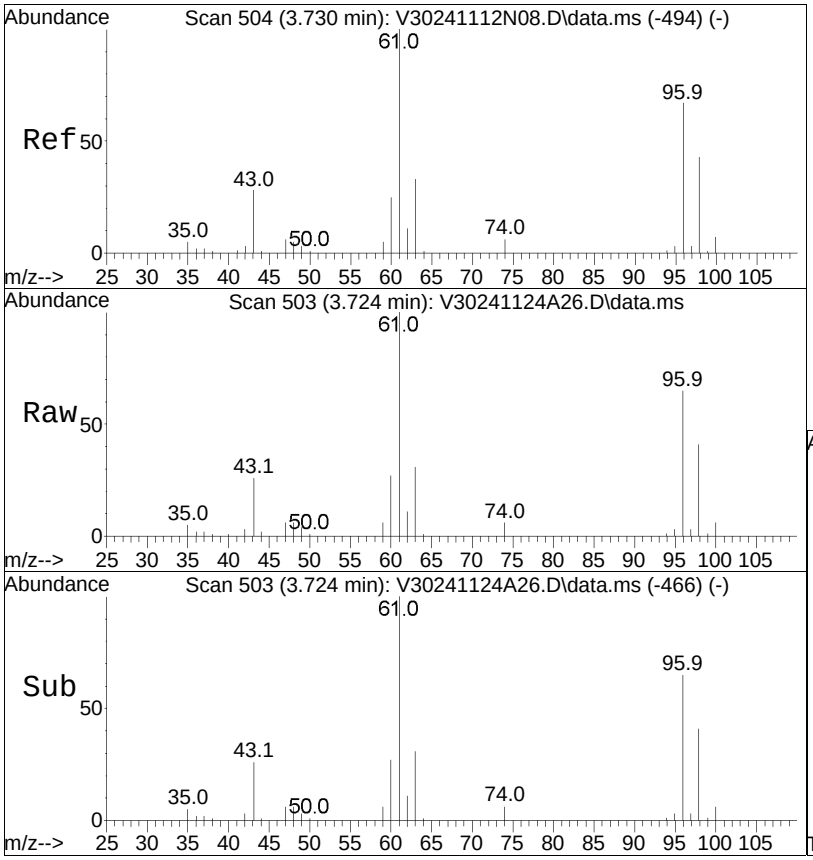


#17
Acetone
Concen: 13.53 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 43 Resp: 20752

Ion	Ratio	Lower	Upper
43	100		
58	28.9	20.1	30.1

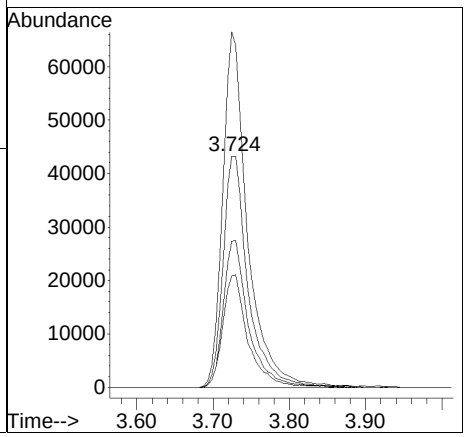


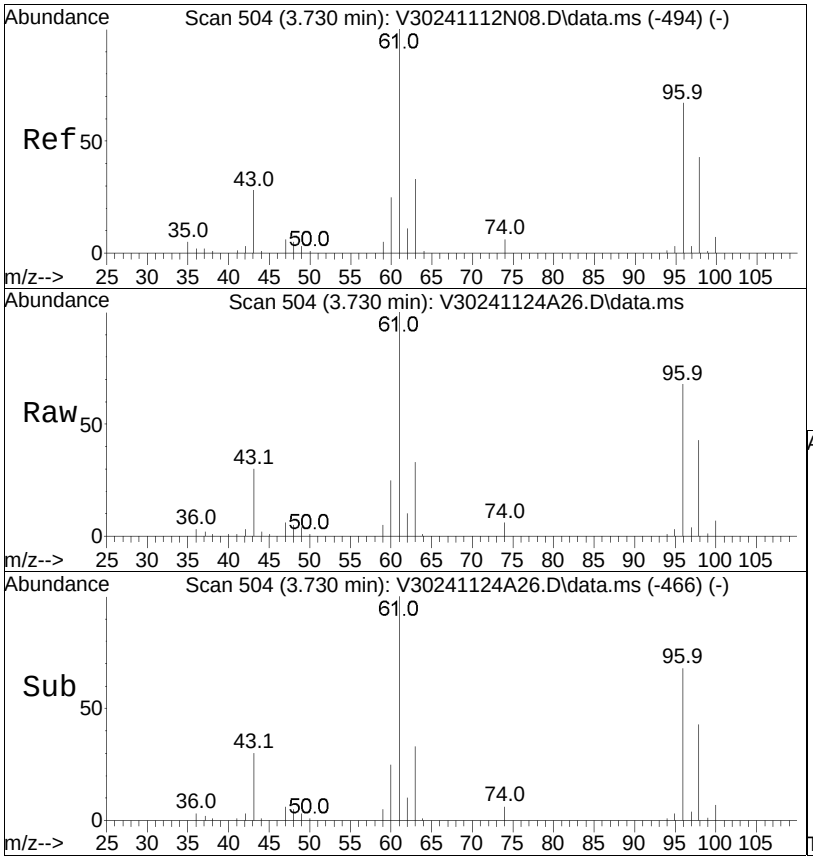


#18
trans-1,2-Dichloroethene
Concen: 10.98 ug/L
RT: 3.724 min Scan# 503
Delta R.T. -0.006 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 96 Resp: 99723

Ion	Ratio	Lower	Upper
96	100		
61	150.9	113.6	236.0
98	63.6	40.8	84.8
63	48.6	36.5	75.7

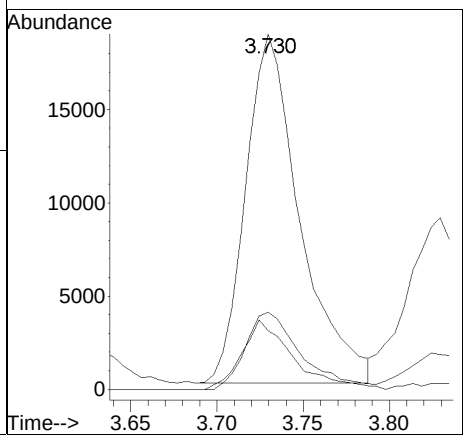


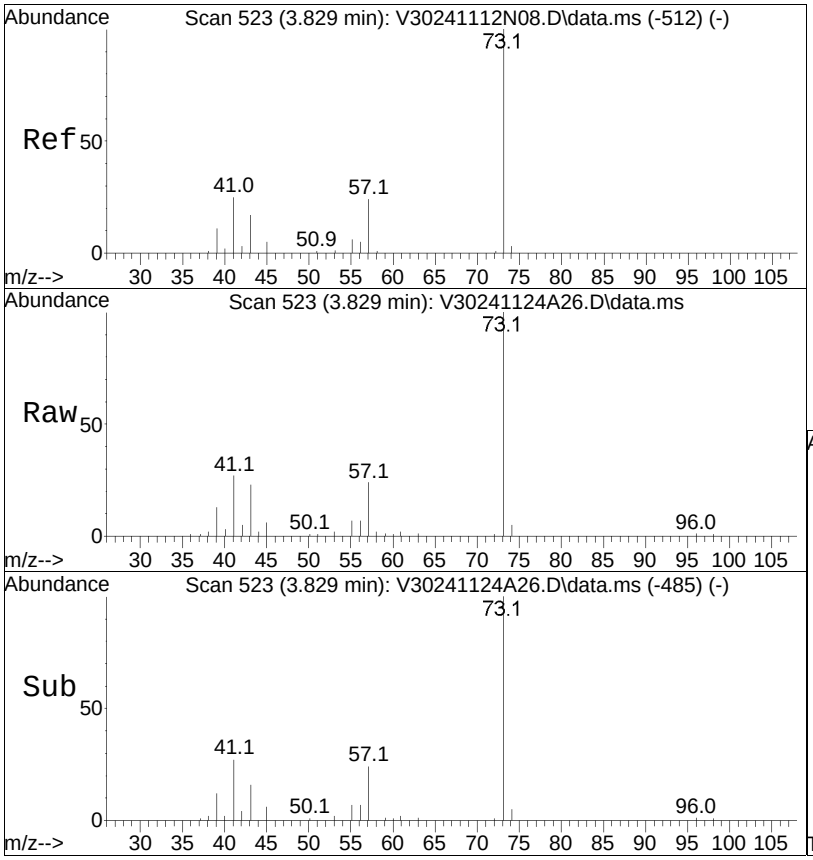


#19
Methyl acetate
Concen: 10.78 ug/L
RT: 3.730 min Scan# 504
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 43 Resp: 40947

Ion	Ratio	Lower	Upper
43	100		
74	22.8	14.6	22.0#
59	18.8	9.3	13.9#

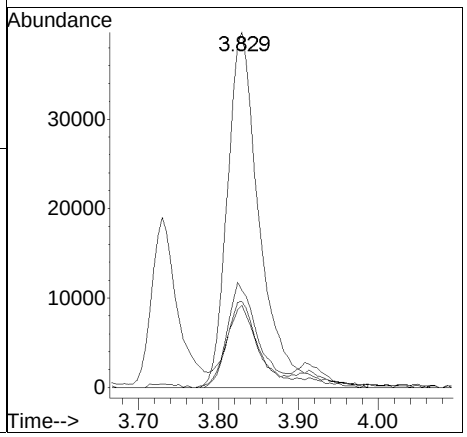


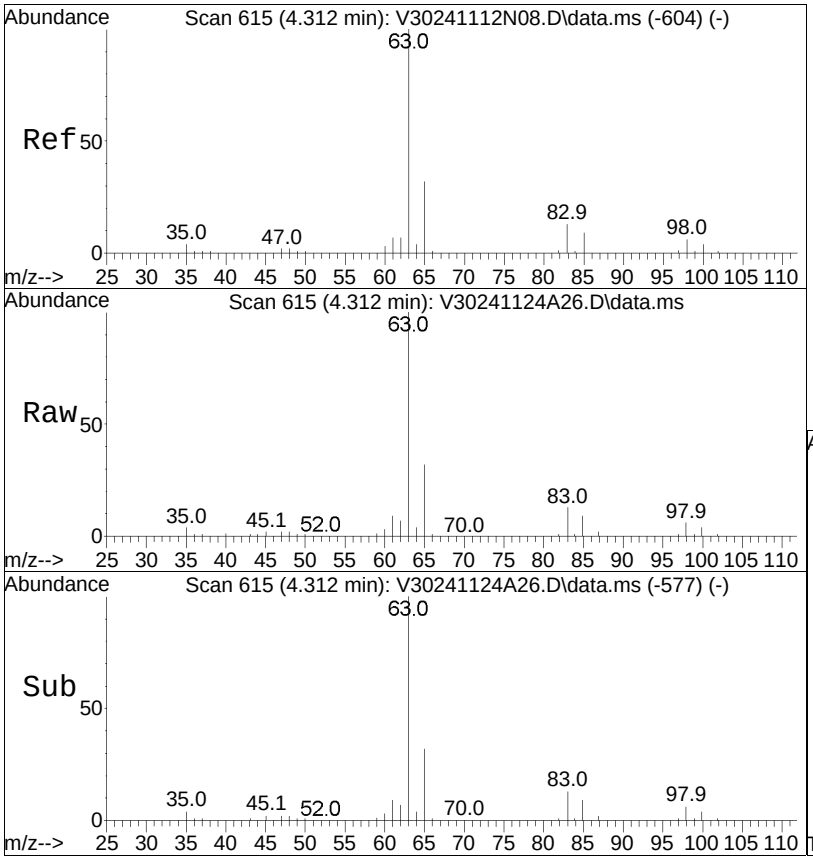


#21
Methyl tert-butyl ether
Concen: 7.94 ug/L
RT: 3.829 min Scan# 523
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 73 Resp: 112301

Ion	Ratio	Lower	Upper
73	100		
57	23.4	15.5	32.1
43	21.2	16.6	34.6
41	28.0	17.2	35.6

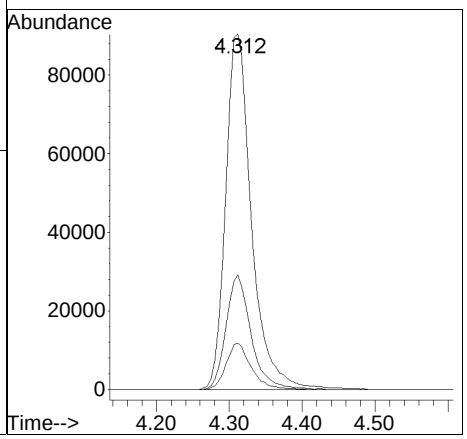


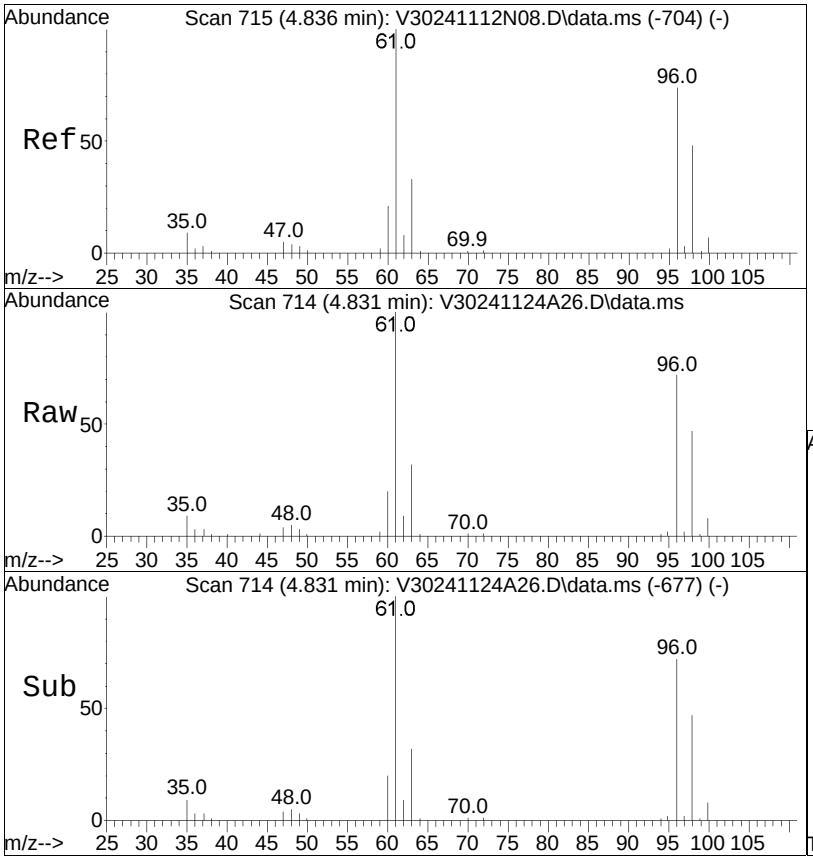


#25
1,1-Dichloroethane
Concen: 11.84 ug/L
RT: 4.312 min Scan# 615
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 63 Resp: 223817

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.5	36.7
83	12.4	8.9	13.3

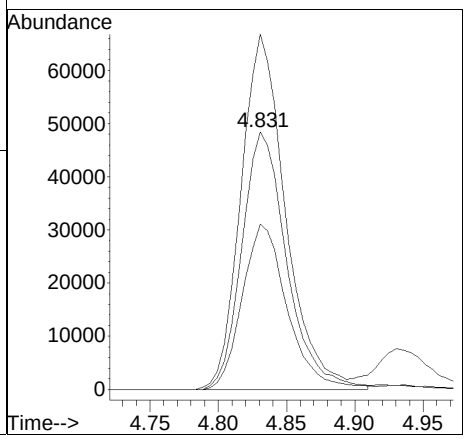


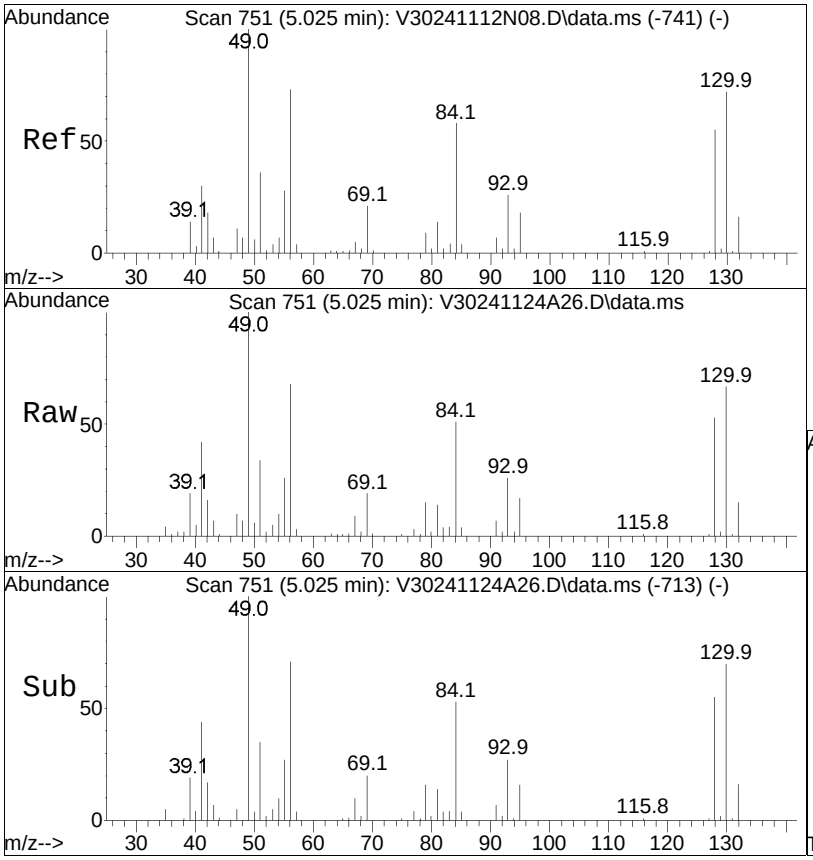


#30
cis-1,2-Dichloroethene
Concen: 10.73 ug/L
RT: 4.831 min Scan# 714
Delta R.T. -0.005 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 96 Resp: 110794

Ion	Ratio	Lower	Upper
96	100		
61	136.5	129.3	193.9
98	64.5	51.4	77.2

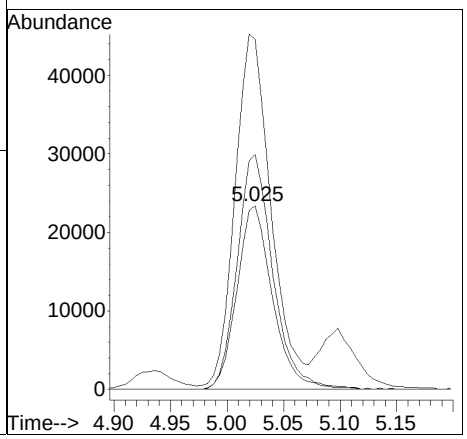


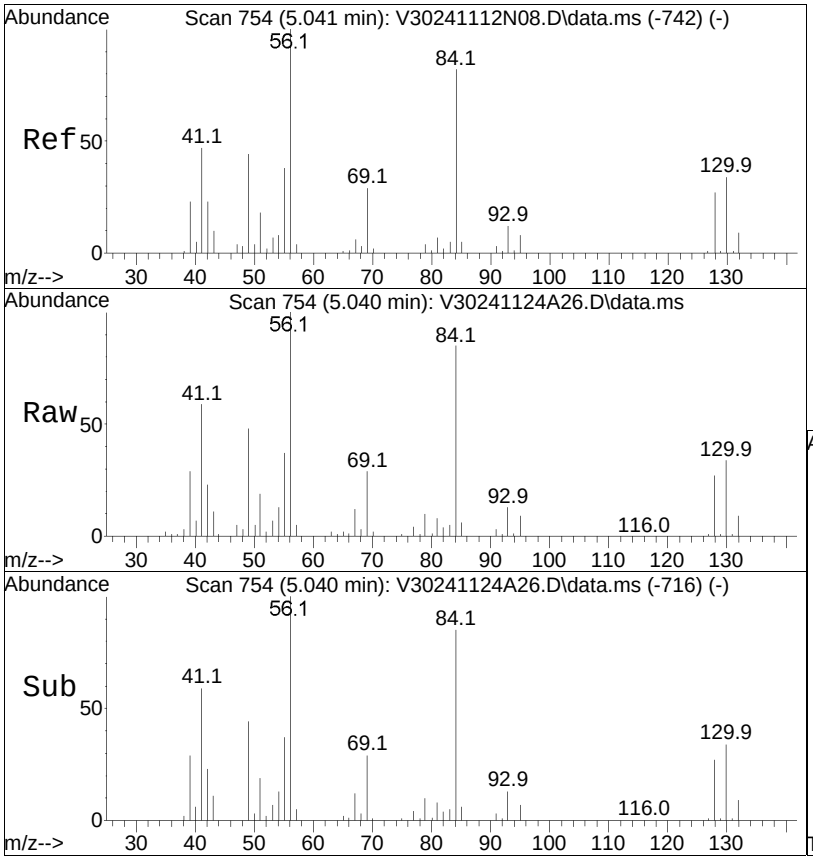


#33
Bromochloromethane
Concen: 11.10 ug/L
RT: 5.025 min Scan# 751
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:128 Resp: 51412

Ion	Ratio	Lower	Upper
128	100		
49	196.4	214.8	322.2#
130	128.1	105.4	158.2

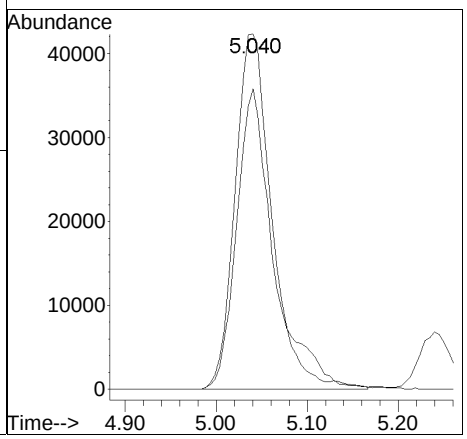


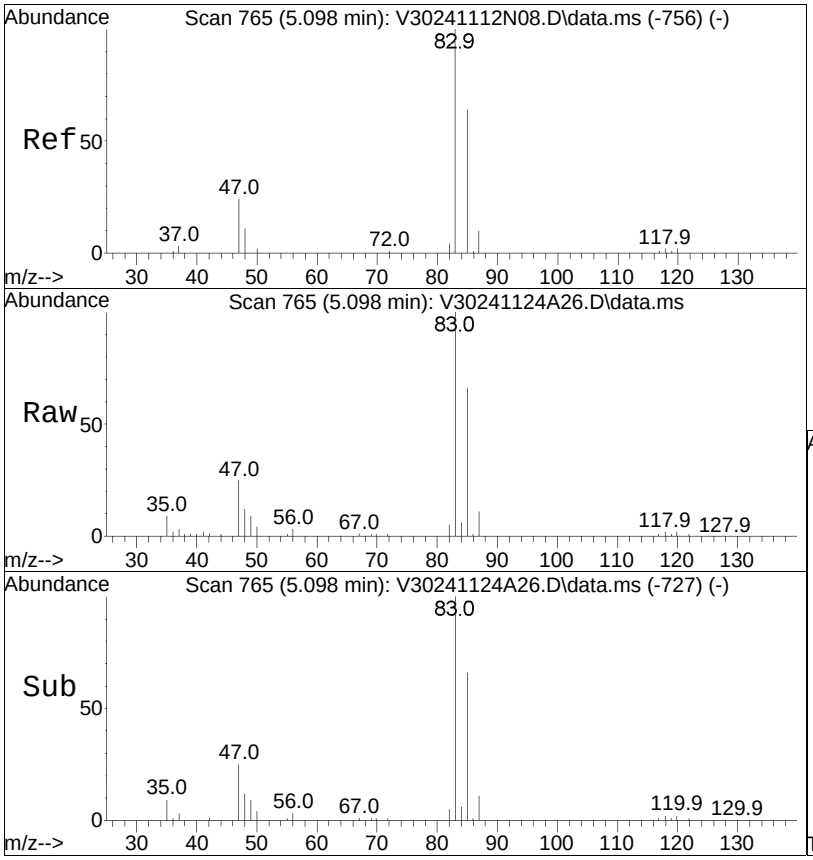


#34
Cyclohexane
Concen: 8.68 ug/L
RT: 5.040 min Scan# 754
Delta R.T. -0.001 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 56 Resp: 119194

Ion	Ratio	Lower	Upper
56	100		
84	86.1	49.9	103.5

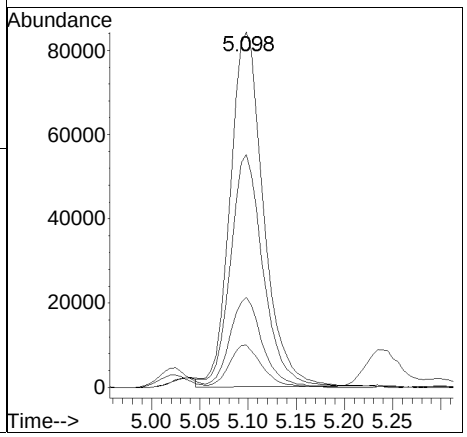


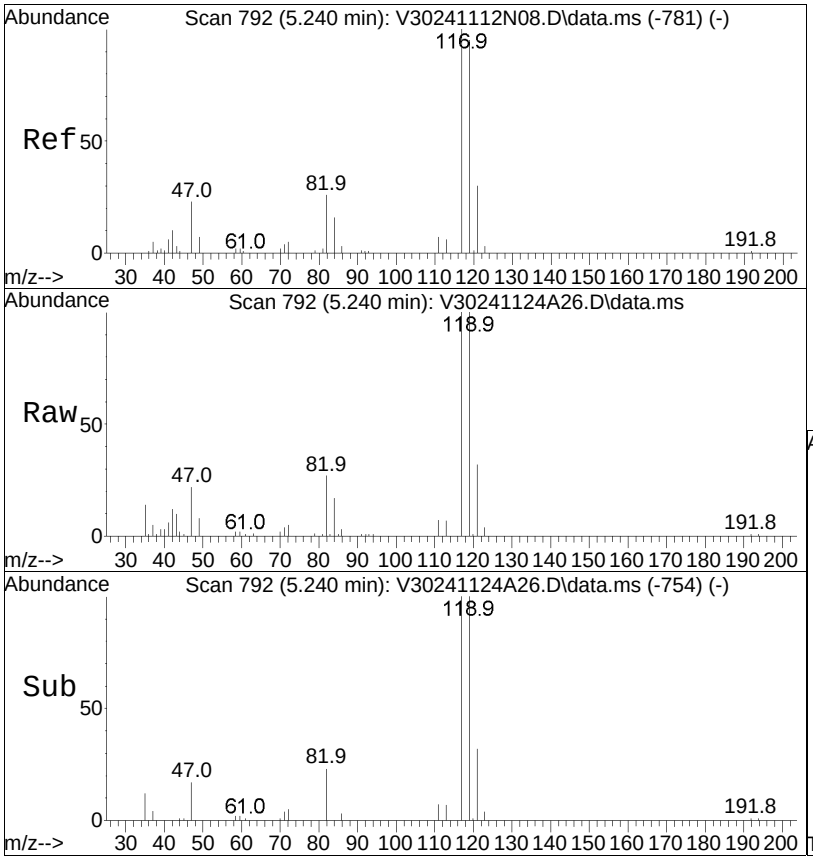


#35
Chloroform
Concen: 11.64 ug/L
RT: 5.098 min Scan# 765
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 83 Resp: 202434

Ion	Ratio	Lower	Upper
83	100		
85	64.0	41.4	86.0
47	24.1	20.5	42.5
48	11.9	9.9	20.5

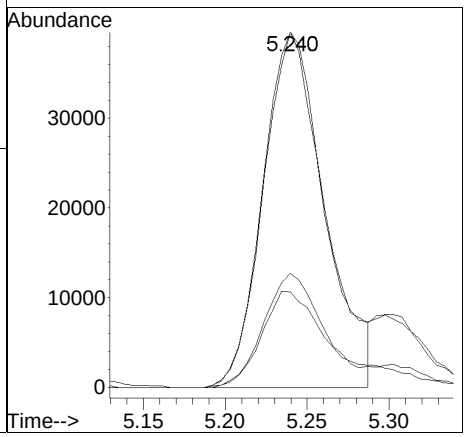


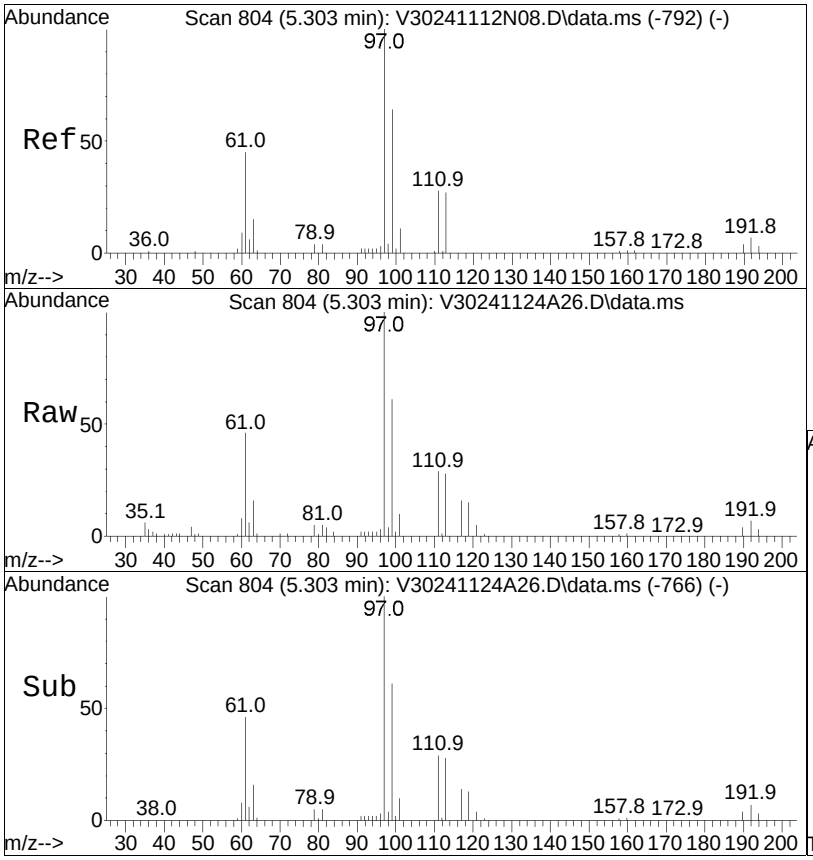


#37
Carbon tetrachloride
Concen: 10.26 ug/L
RT: 5.240 min Scan# 792
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:117 Resp: 104634

Ion	Ratio	Lower	Upper
117	100		
119	97.5	62.0	128.8
121	32.0	19.6	40.6
82	32.2	18.8	39.0

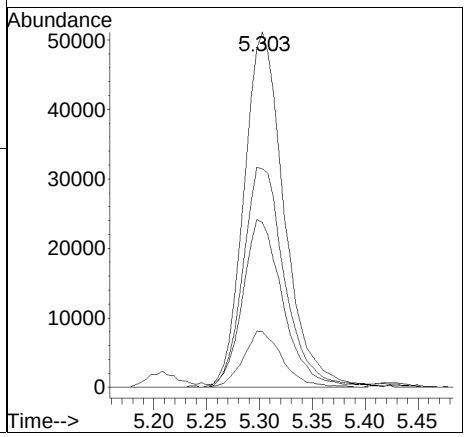


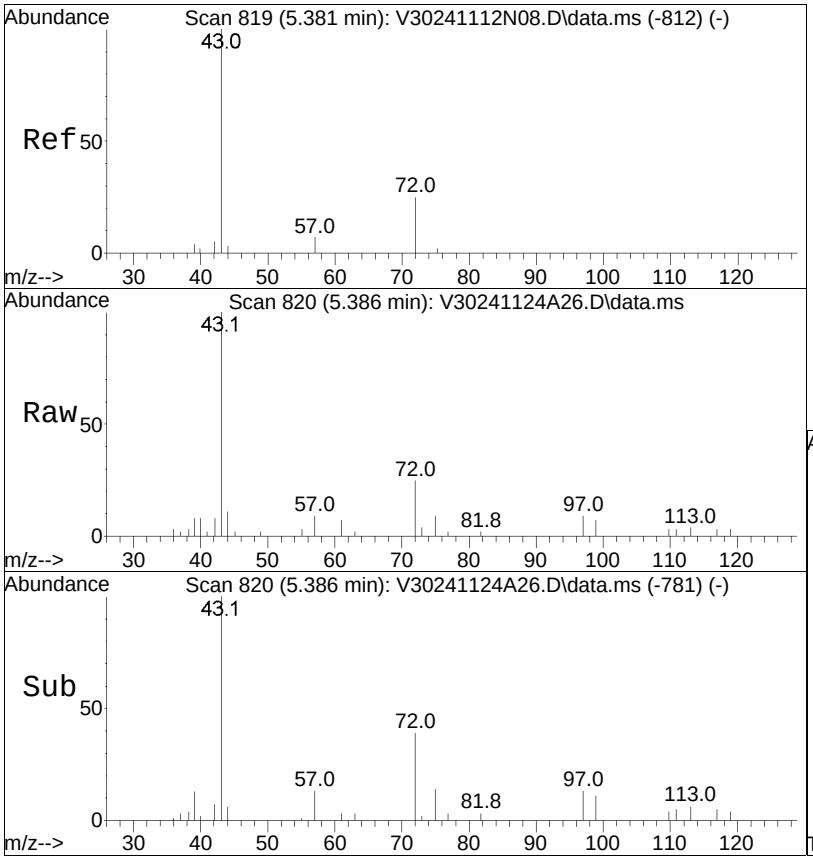


#40
1,1,1-Trichloroethane
Concen: 10.93 ug/L
RT: 5.303 min Scan# 804
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 97 Resp: 135931

Ion	Ratio	Lower	Upper
97	100		
99	64.1	40.6	84.4
61	47.4	35.0	72.8
63	15.4	11.1	23.0

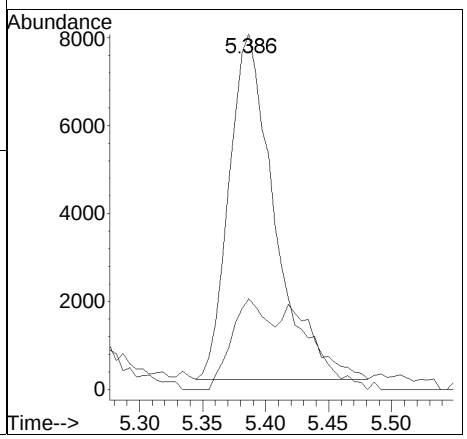


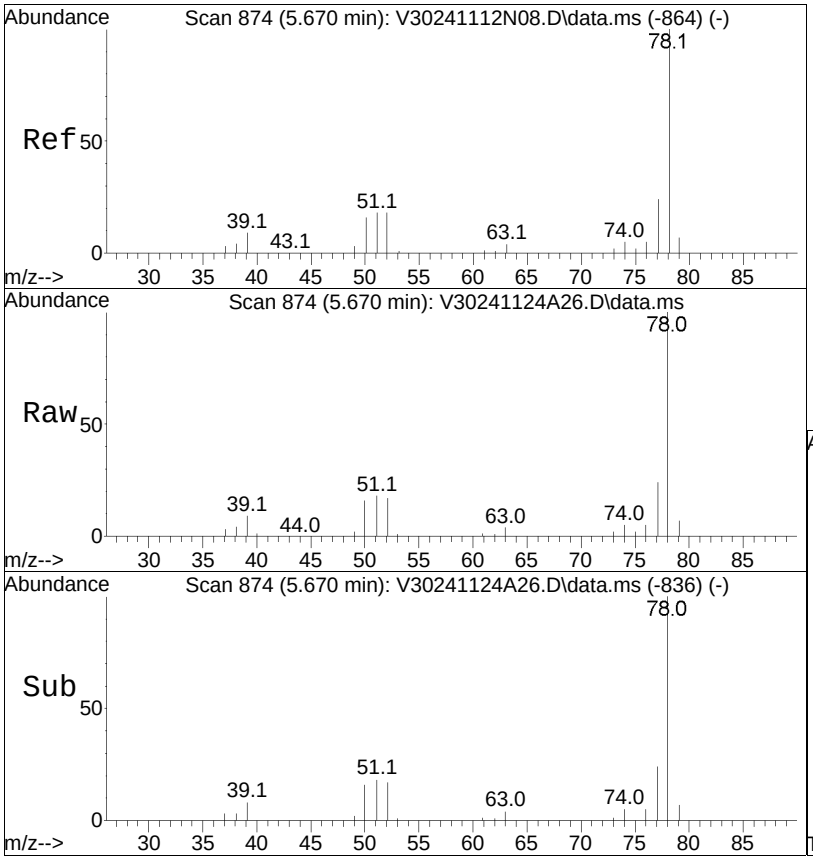


#42
2-Butanone
Concen: 10.33 ug/L
RT: 5.386 min Scan# 820
Delta R.T. 0.005 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 43 Resp: 19700

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.2	27.4

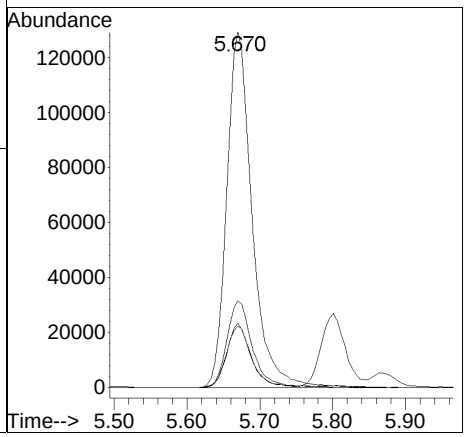


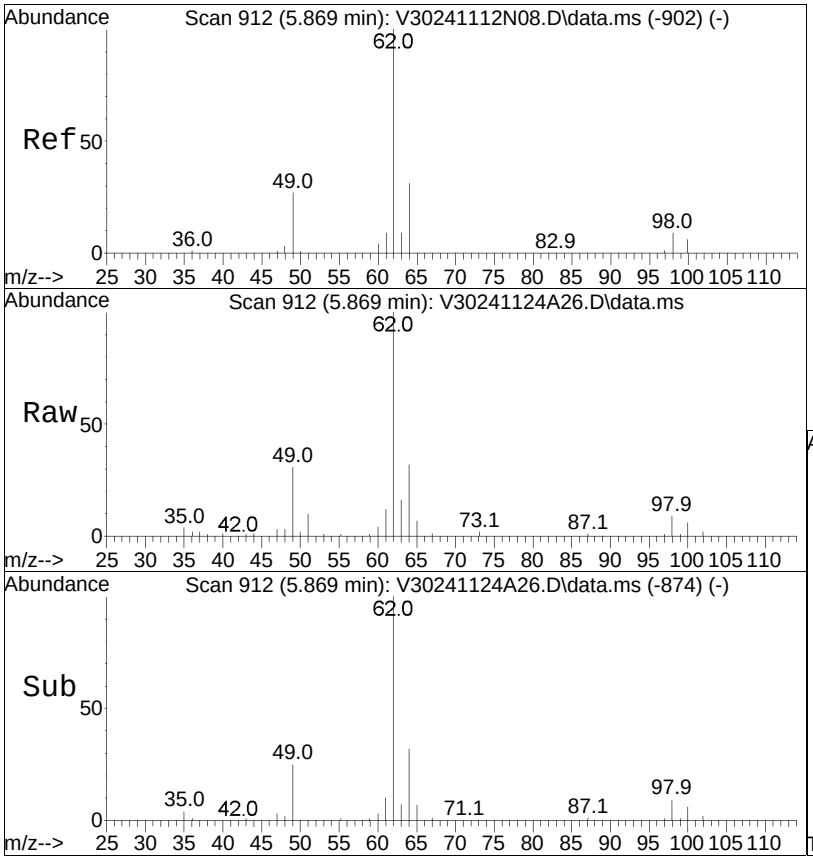


#45
Benzene
Concen: 10.36 ug/L
RT: 5.670 min Scan# 874
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 78 Resp: 313819

Ion	Ratio	Lower	Upper
78	100		
77	24.3	15.6	32.4
51	17.2	12.9	26.7
52	16.9	12.4	25.7

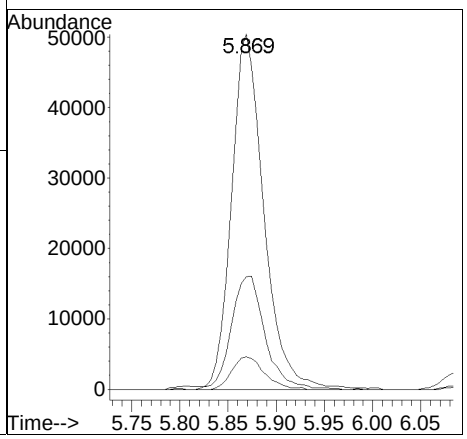


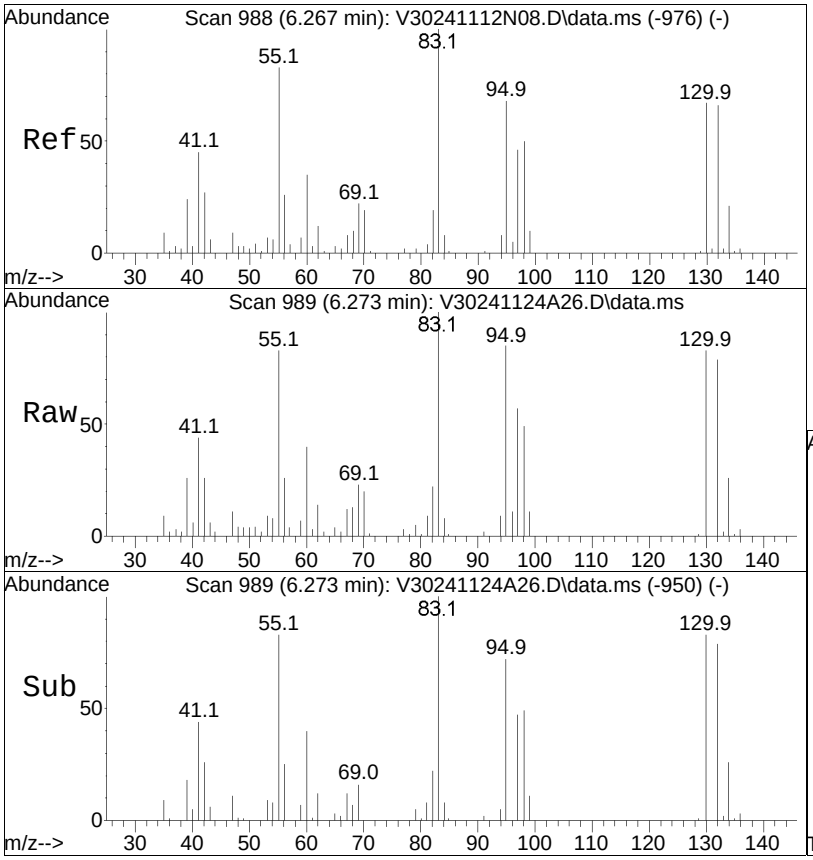


#48
1,2-Dichloroethane
Concen: 11.01 ug/L
RT: 5.869 min Scan# 912
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 62 Resp: 117692

Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.5	38.3
98	9.3	5.5	8.3#

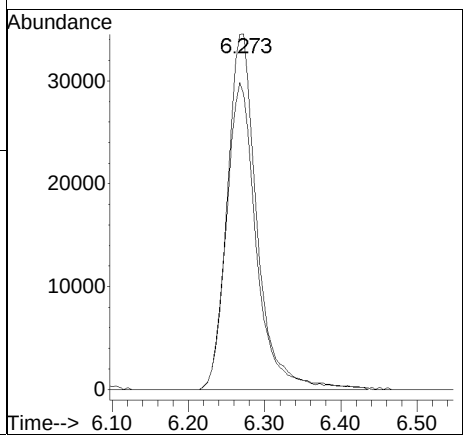


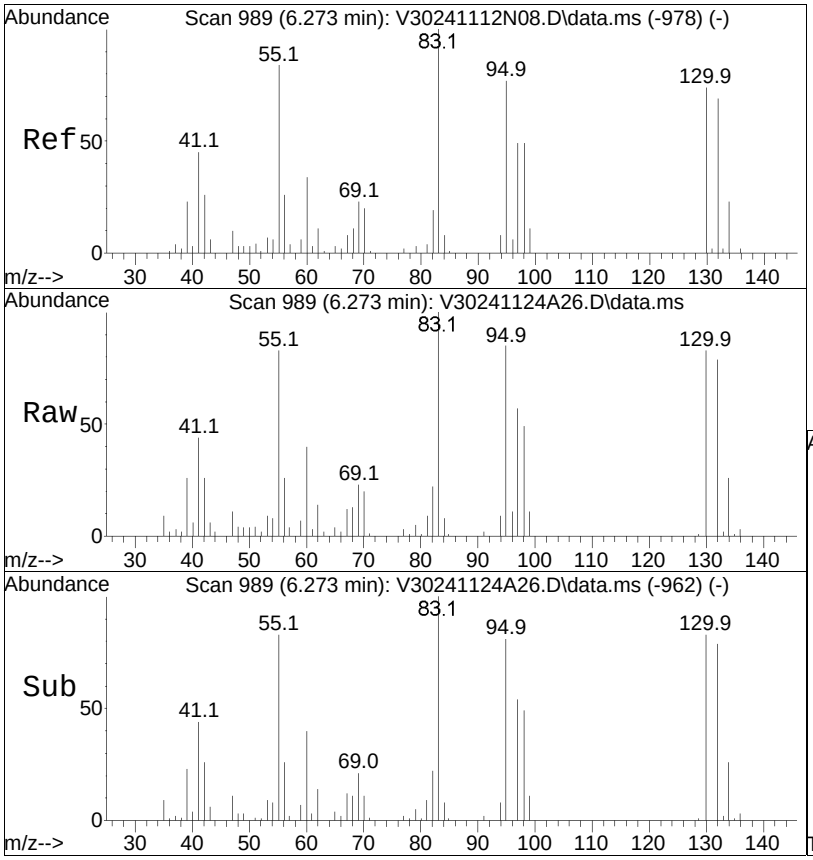


#51
Methyl cyclohexane
Concen: 8.71 ug/L
RT: 6.273 min Scan# 989
Delta R.T. 0.006 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 83 Resp: 93815

Ion	Ratio	Lower	Upper
83	100		
55	87.1	74.6	112.0

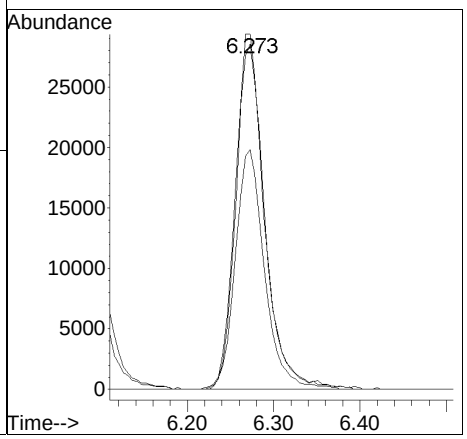


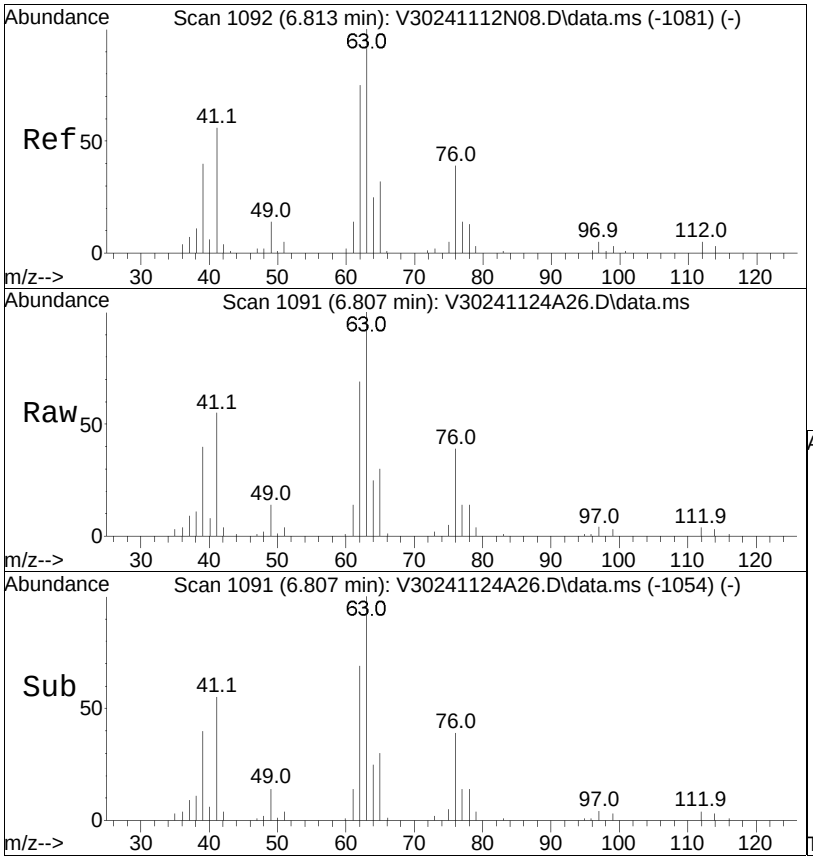


#52
Trichloroethene
Concen: 9.41 ug/L
RT: 6.273 min Scan# 989
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 95 Resp: 69485

Ion	Ratio	Lower	Upper
95	100		
97	67.3	53.8	80.6
130	96.8	71.4	107.0

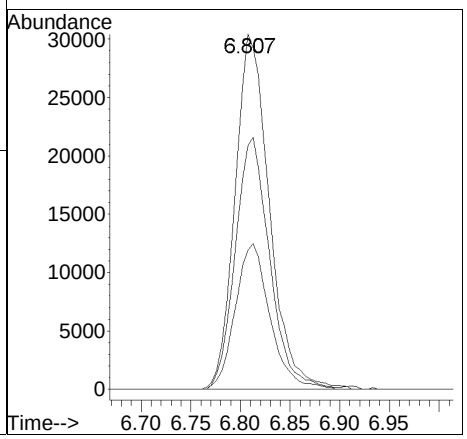


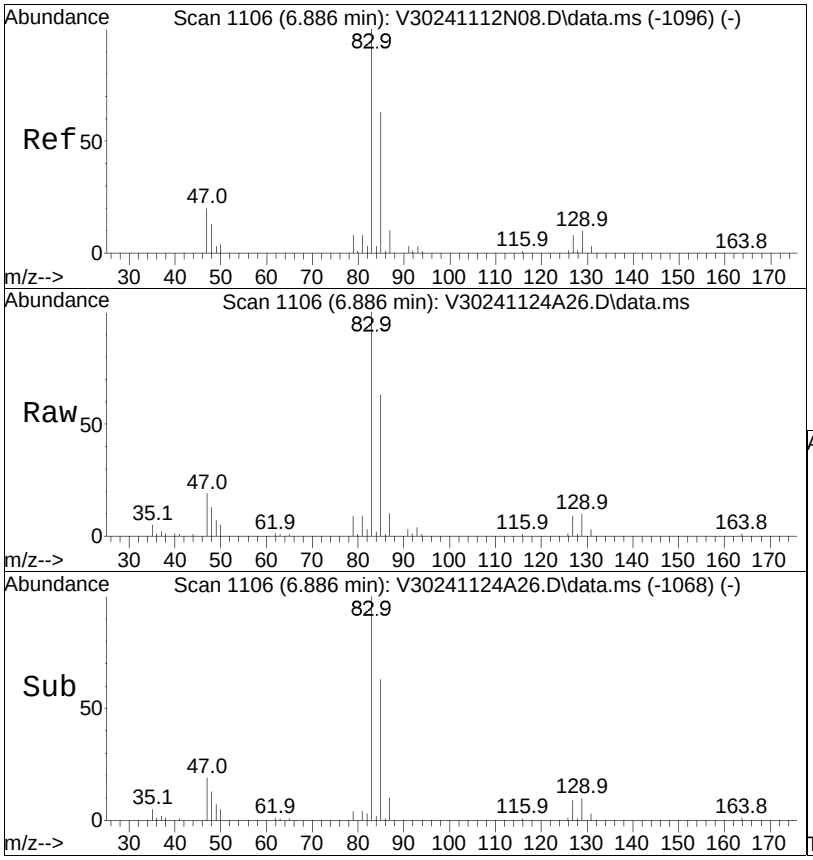


#55
1,2-Dichloropropane
Concen: 9.24 ug/L
RT: 6.807 min Scan# 1091
Delta R.T. -0.006 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 63 Resp: 73614

Ion	Ratio	Lower	Upper
63	100		
62	71.0	58.1	87.1
76	41.3	30.4	45.6

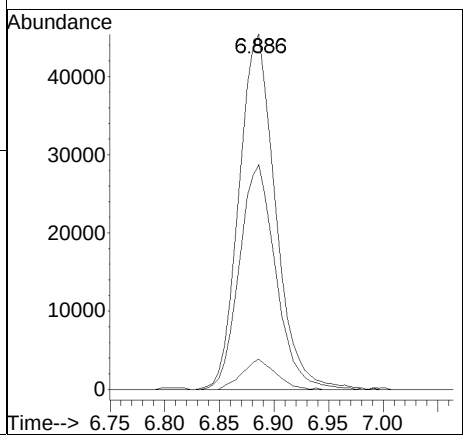


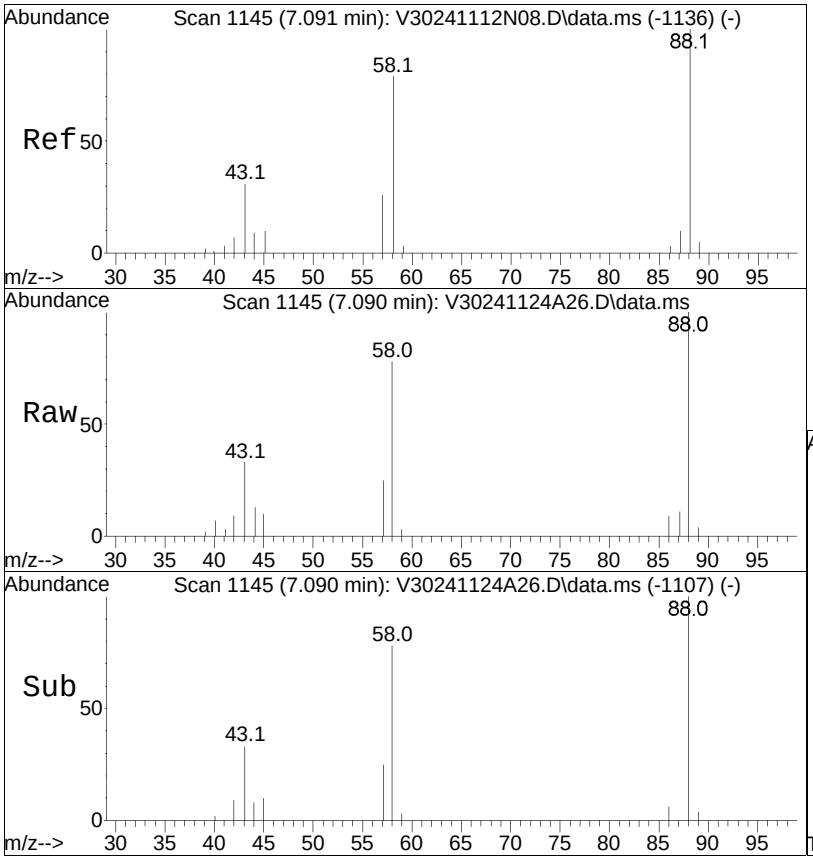


#58
Bromodichloromethane
Concen: 9.77 ug/L
RT: 6.886 min Scan# 1106
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 83 Resp: 105576

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.2	75.2
127	7.8	5.2	7.8

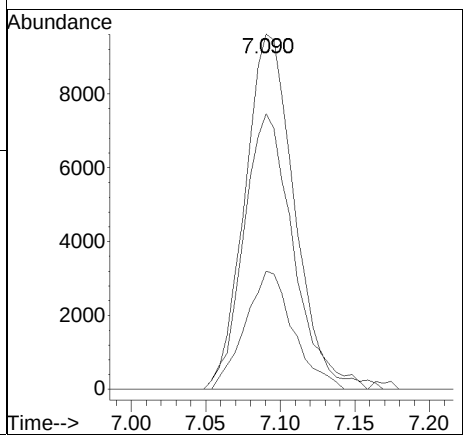


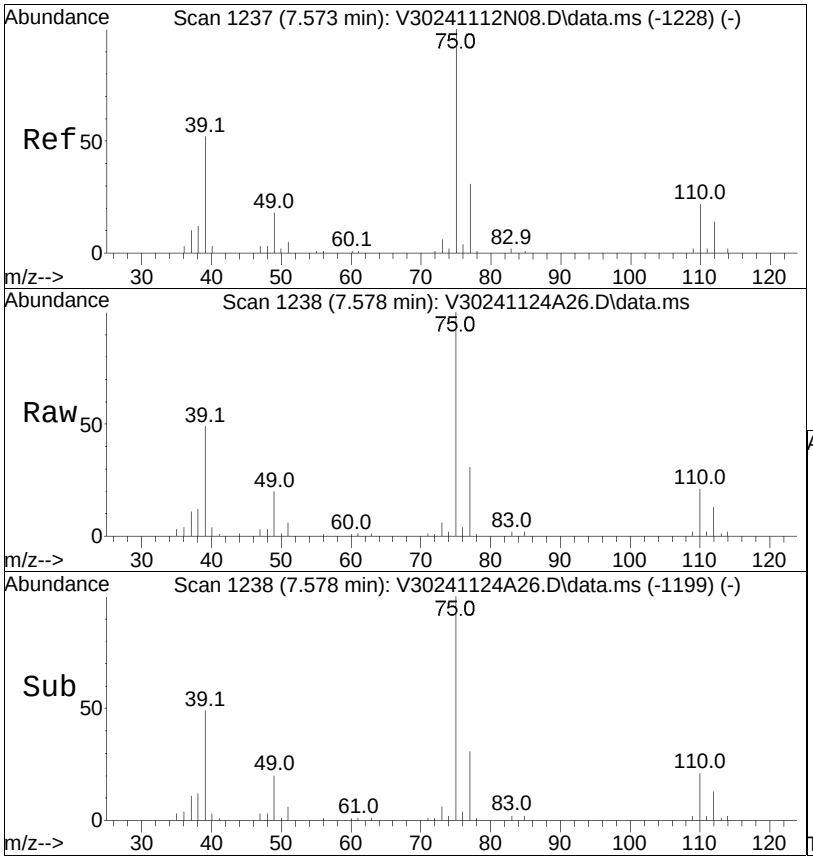


#61
1,4-Dioxane
Concen: 571.05 ug/L
RT: 7.090 min Scan# 1145
Delta R.T. -0.001 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 88 Resp: 22297

Ion	Ratio	Lower	Upper
88	100		
58	78.0	59.9	89.9
43	32.3	30.8	46.2

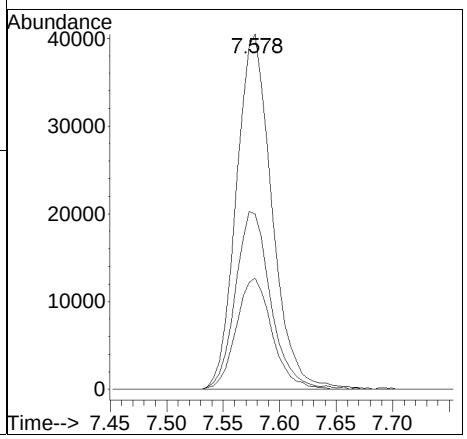


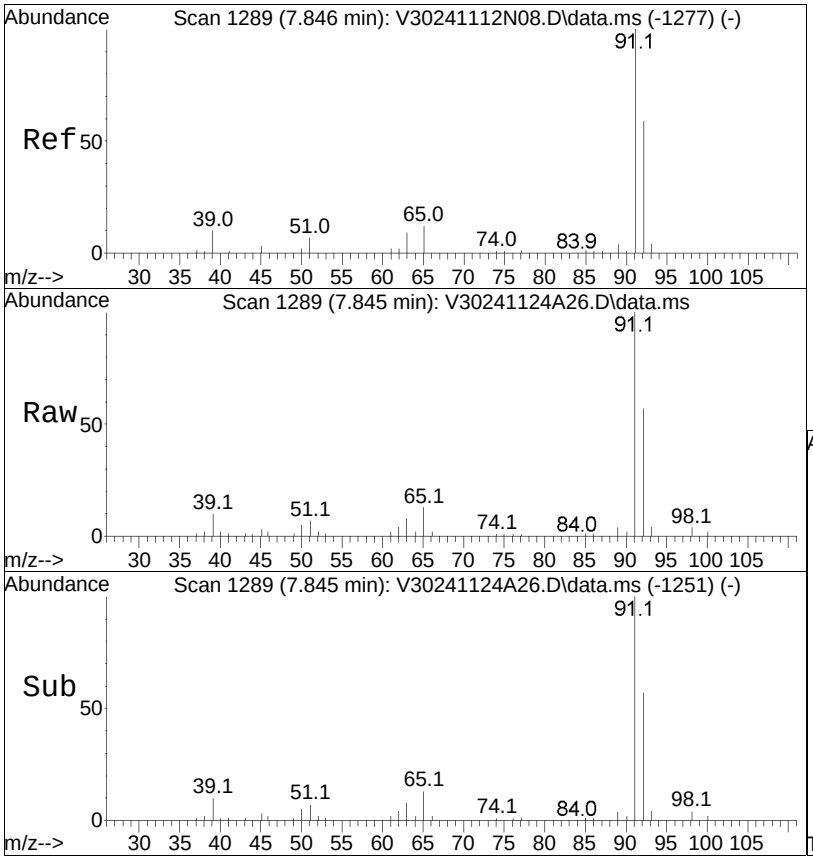


#62
cis-1,3-Dichloropropene
Concen: 8.02 ug/L
RT: 7.578 min Scan# 1238
Delta R.T. 0.005 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 75 Resp: 88817

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	49.7	54.6	82.0#

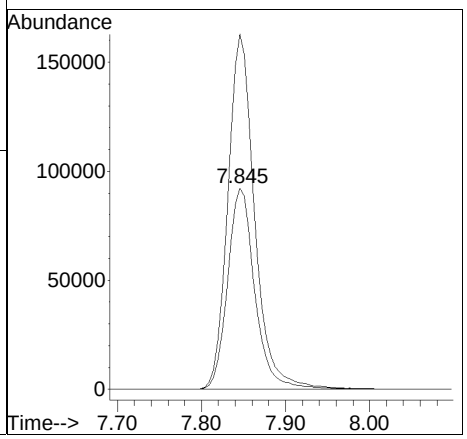


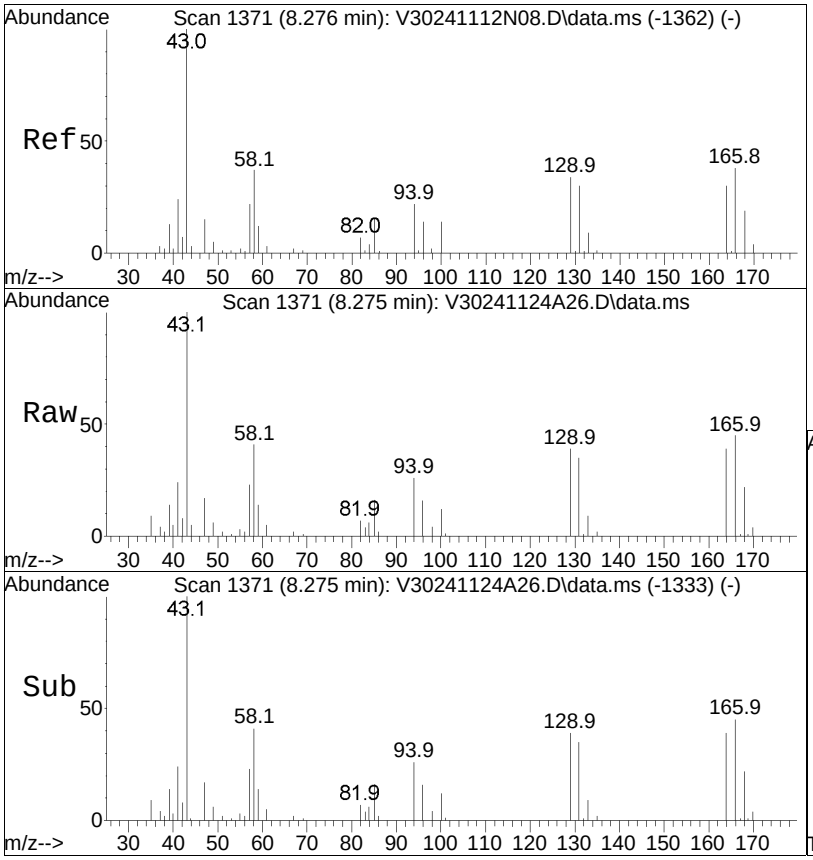


#65
Toluene
Concen: 10.41 ug/L
RT: 7.845 min Scan# 1289
Delta R.T. -0.001 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 92 Resp: 208351

Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.5	206.3

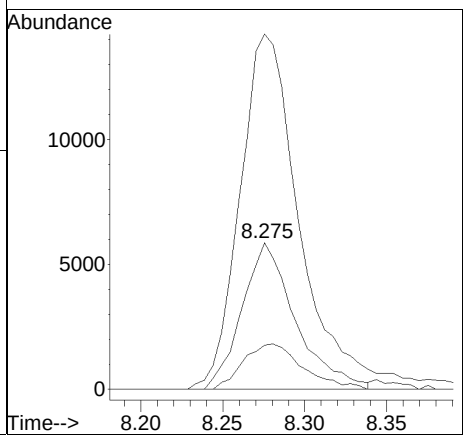


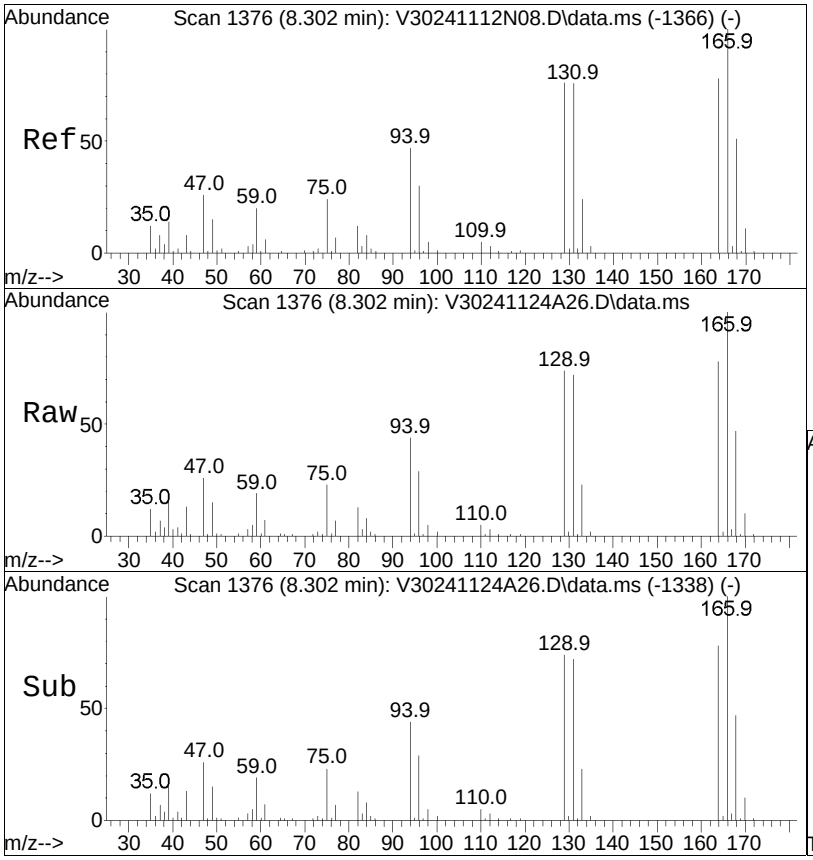


#66
4-Methyl-2-pentanone
Concen: 9.09 ug/L
RT: 8.275 min Scan# 1371
Delta R.T. -0.001 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 58 Resp: 13343

Ion	Ratio	Lower	Upper
58	100		
100	34.8	22.6	34.0#
43	277.9	234.6	351.8

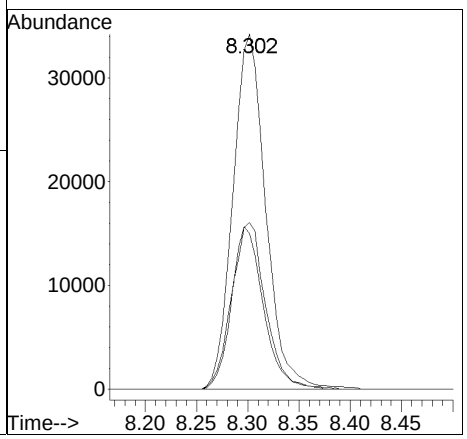


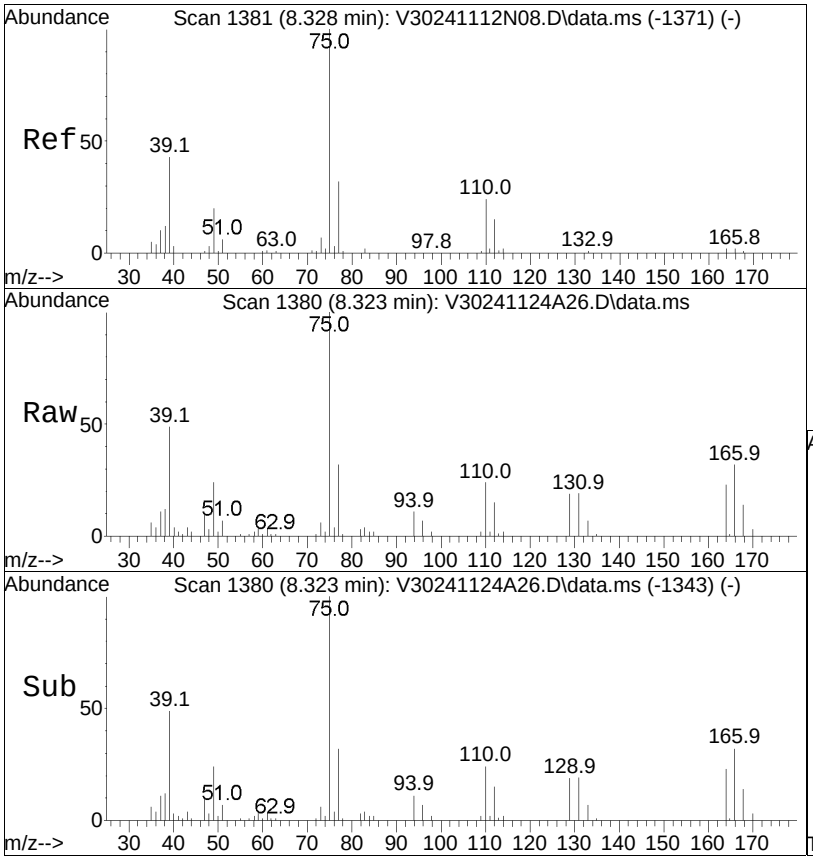


#67
Tetrachloroethene
Concen: 10.56 ug/L
RT: 8.302 min Scan# 1376
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:166 Resp: 76609

Ion	Ratio	Lower	Upper
166	100		
168	47.5	38.6	58.0
94	45.3	42.6	63.8

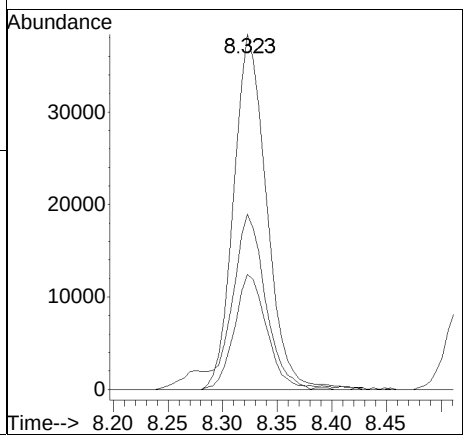


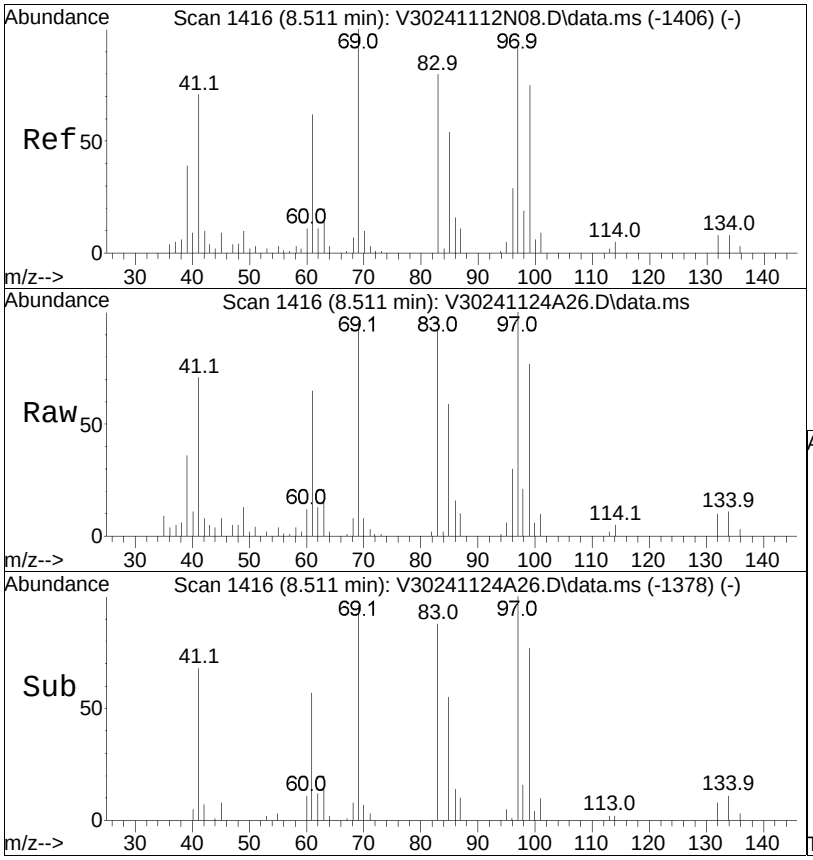


#69
trans-1,3-Dichloropropene
Concen: 8.64 ug/L
RT: 8.323 min Scan# 1380
Delta R.T. -0.005 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 75 Resp: 80654

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	48.1	60.2	90.4#

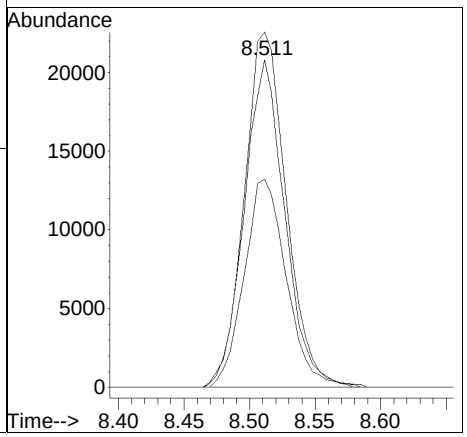


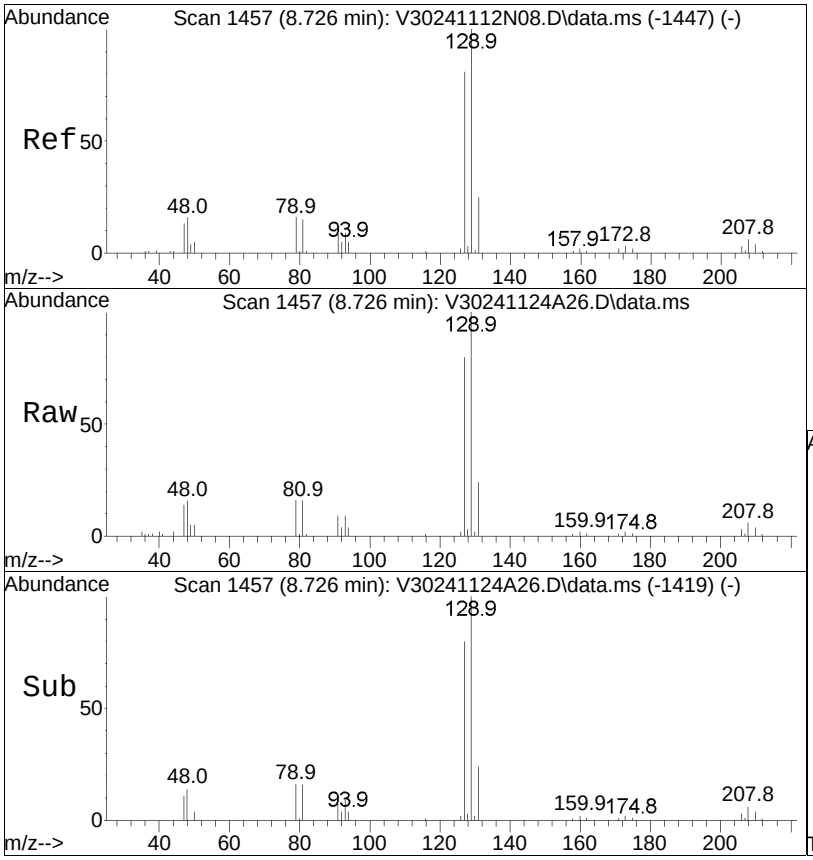


#72
1,1,2-Trichloroethane
Concen: 10.07 ug/L
RT: 8.511 min Scan# 1416
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 83 Resp: 44870

Ion	Ratio	Lower	Upper
83	100		
97	112.4	87.7	131.5
85	66.0	53.1	79.7

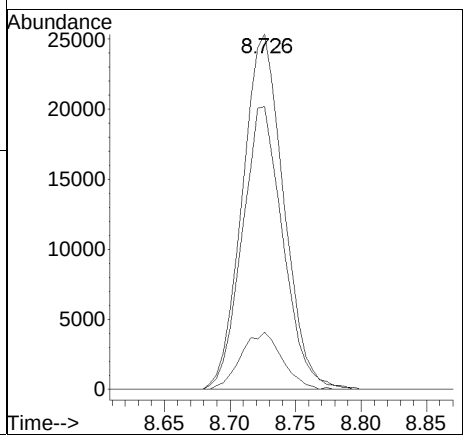


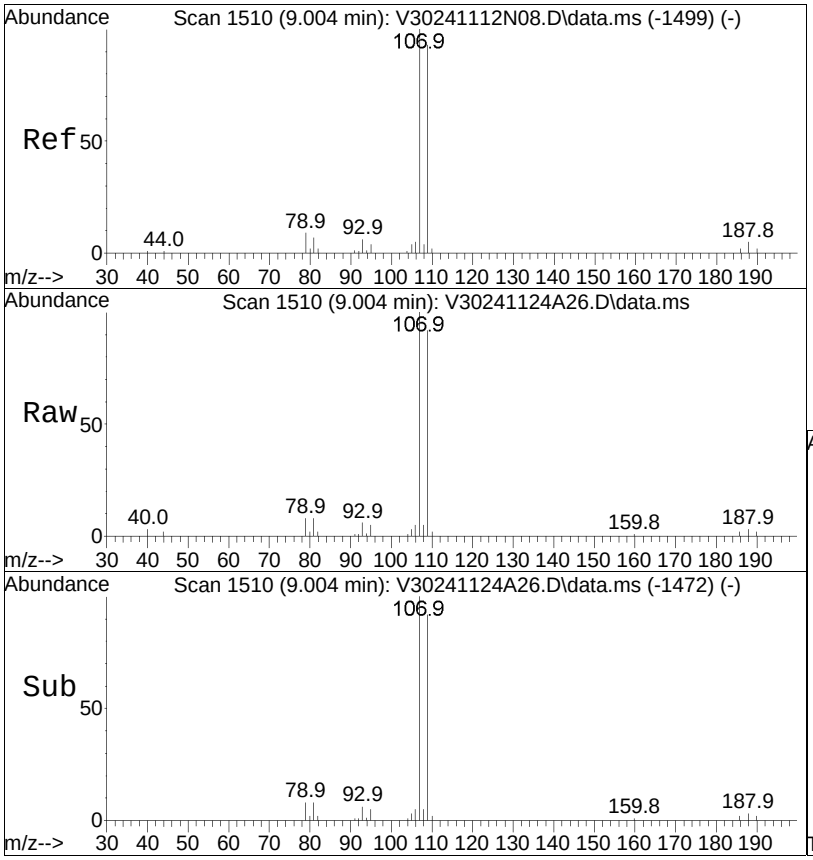


#73
Chlorodibromomethane
Concen: 9.02 ug/L
RT: 8.726 min Scan# 1457
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:129 Resp: 55620

Ion	Ratio	Lower	Upper
129	100		
81	16.1	14.6	22.0
127	78.2	62.6	93.8

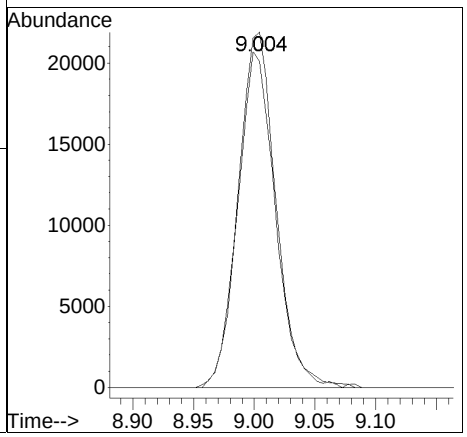


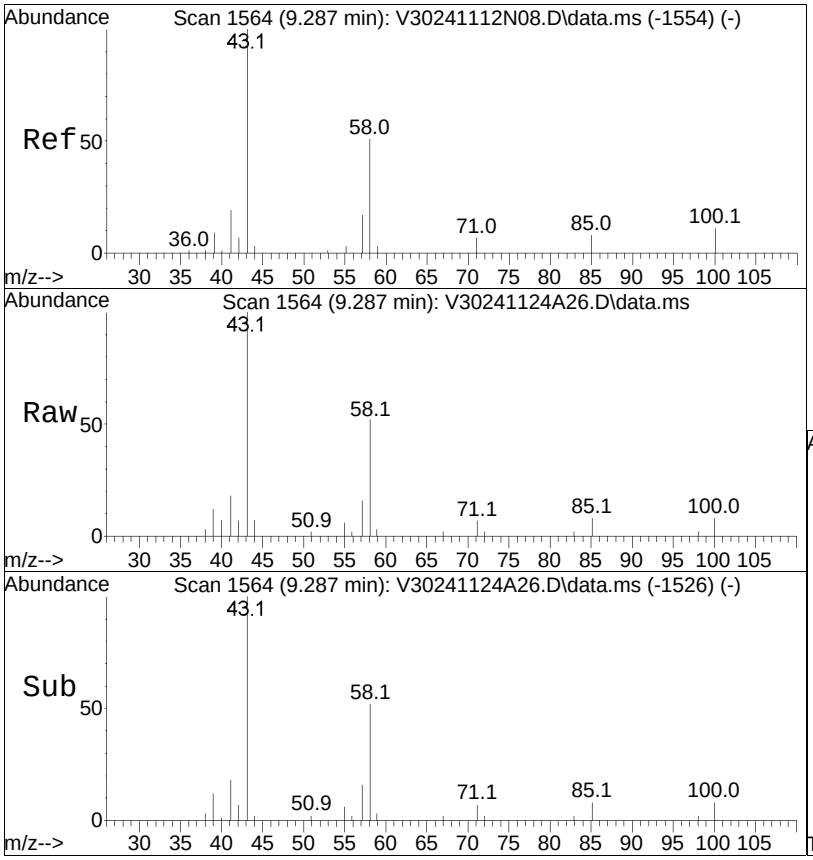


#75
1,2-Dibromoethane
Concen: 10.07 ug/L
RT: 9.004 min Scan# 1510
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:107 Resp: 47653

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.0	112.4

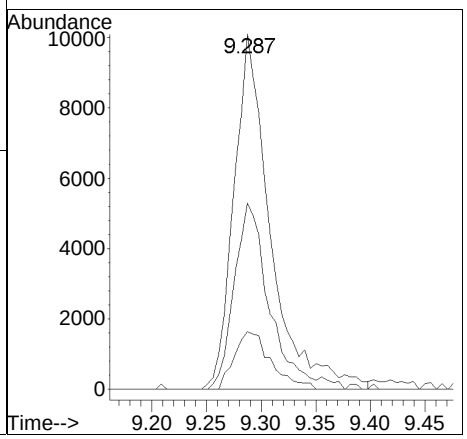


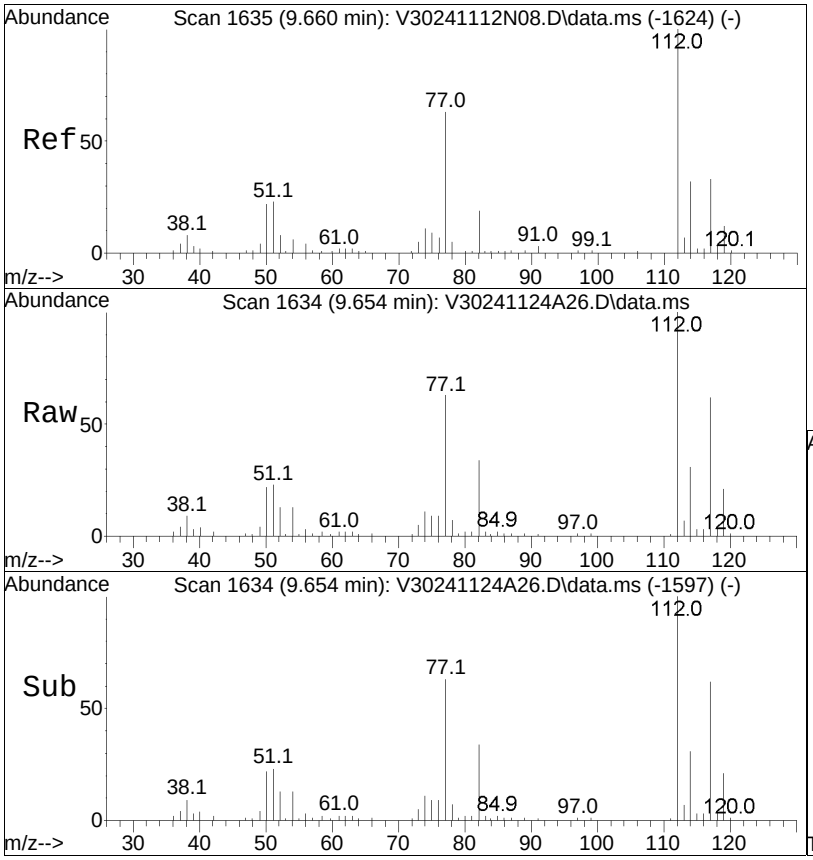


#77
2-Hexanone
Concen: 8.76 ug/L
RT: 9.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 43 Resp: 23580

Ion	Ratio	Lower	Upper
43	100		
58	51.0	38.6	58.0
57	16.4	14.1	21.1

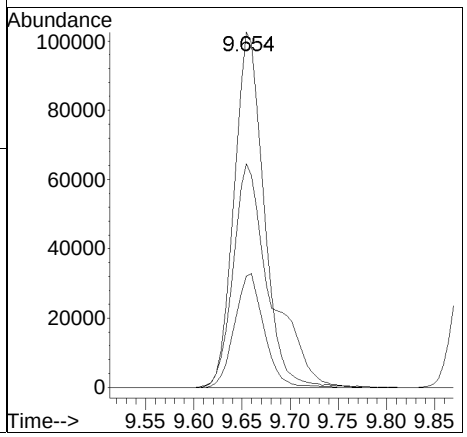


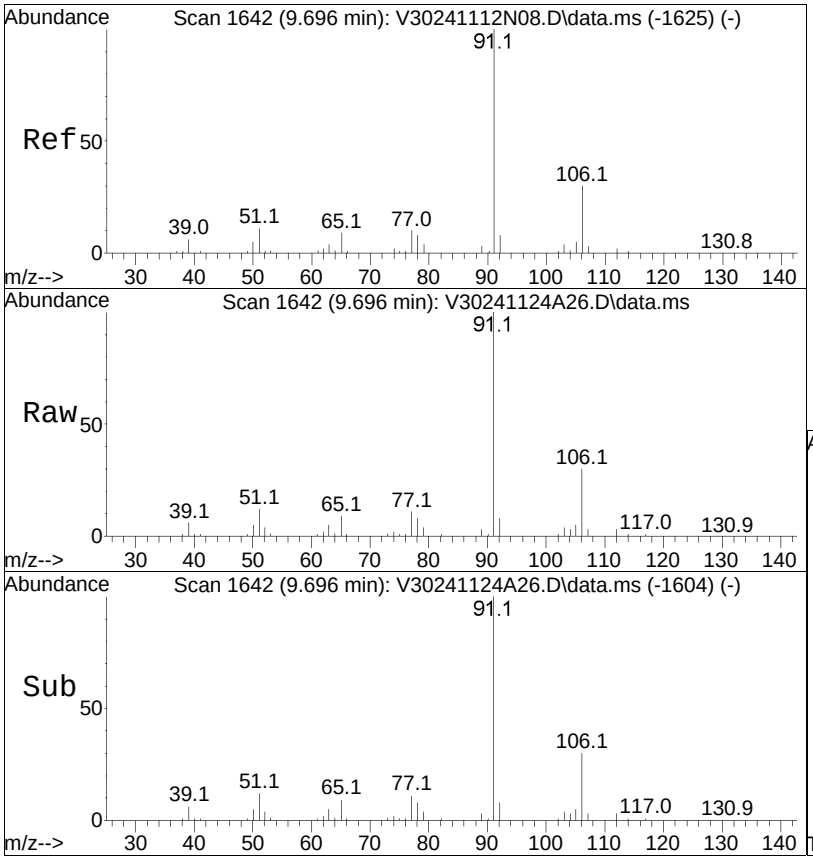


#78
Chlorobenzene
Concen: 10.28 ug/L
RT: 9.654 min Scan# 1634
Delta R.T. -0.006 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:112 Resp: 219333

Ion	Ratio	Lower	Upper
112	100		
77	80.5	54.8	82.2
114	31.8	25.4	38.0

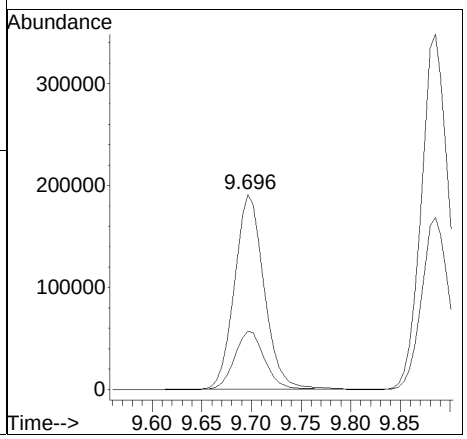


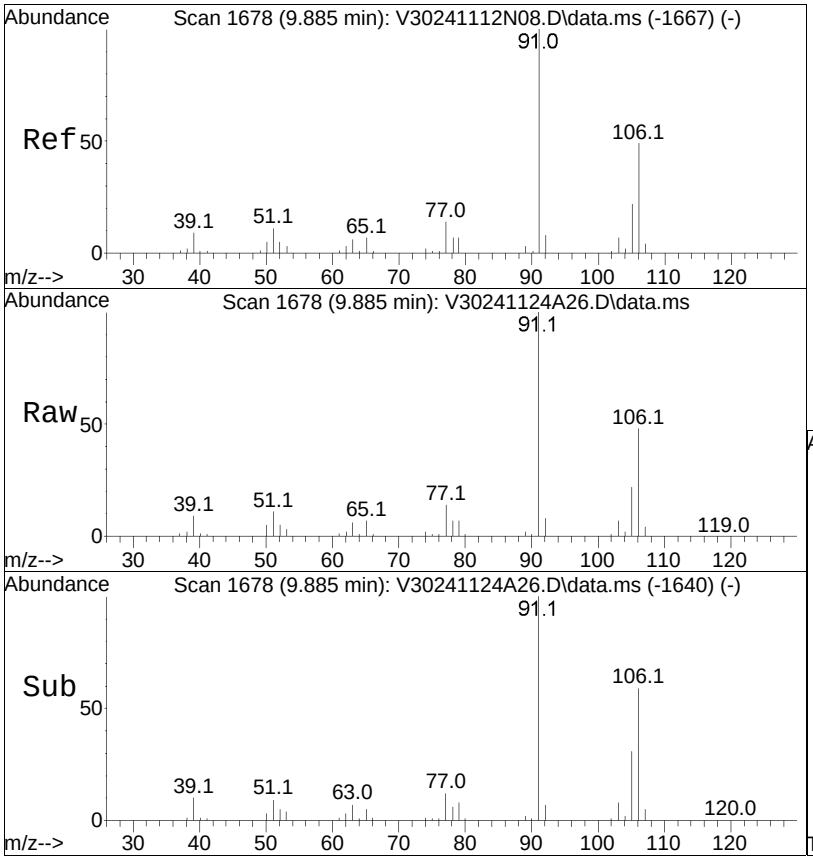


#79
Ethylbenzene
Concen: 10.05 ug/L
RT: 9.696 min Scan# 1642
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 91 Resp: 395621

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.4	35.2

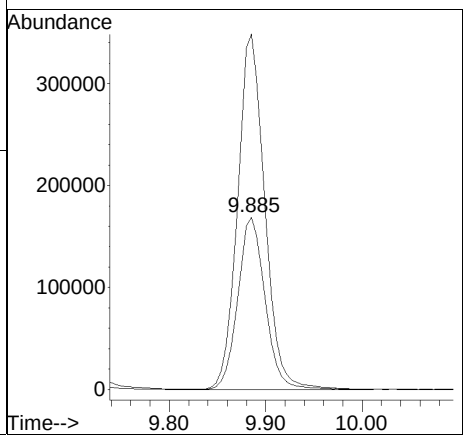


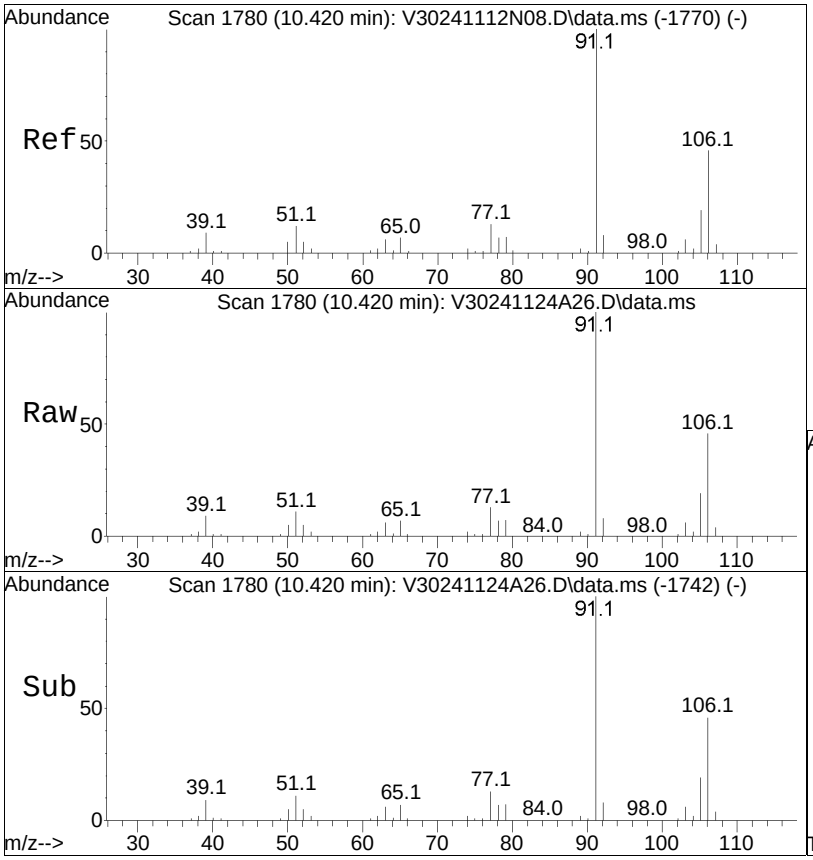


#81
p/m Xylene
Concen: 20.92 ug/L
RT: 9.885 min Scan# 1678
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:106 Resp: 331302

Ion	Ratio	Lower	Upper
106	100		
91	205.3	171.4	257.2

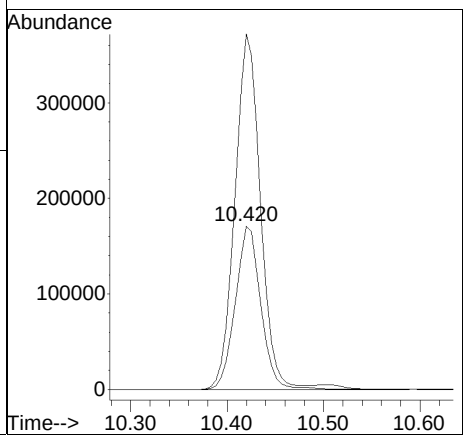


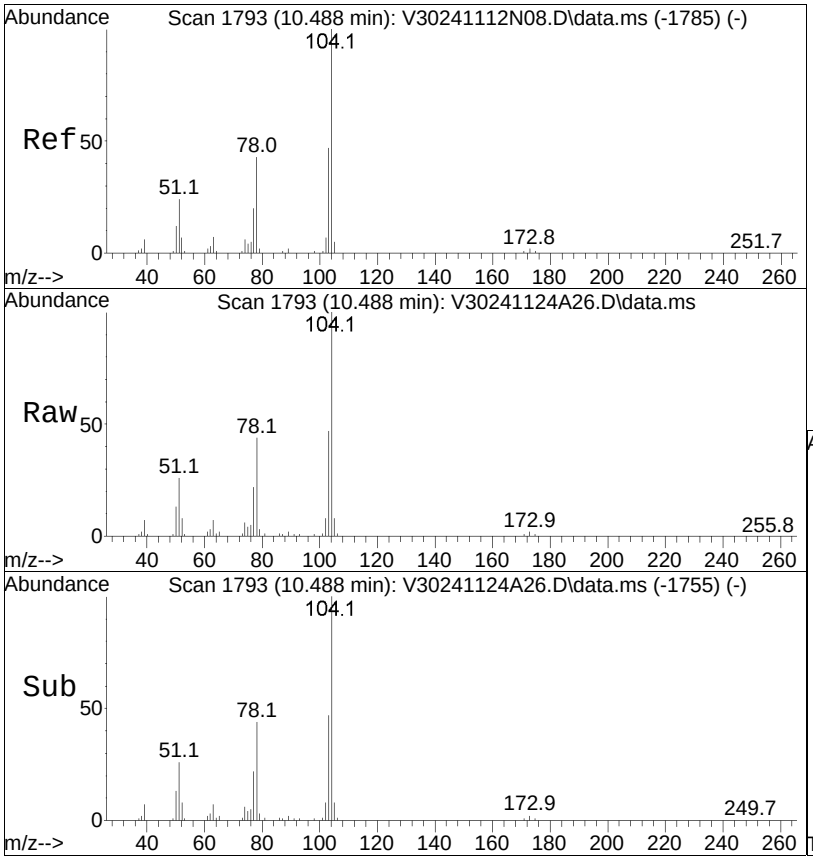


#82
o Xylene
Concen: 20.57 ug/L
RT: 10.420 min Scan# 1780
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:106 Resp: 313435

Ion	Ratio	Lower	Upper
106	100		
91	217.4	179.2	268.8

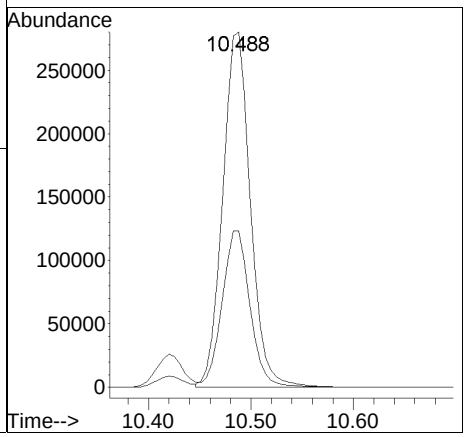


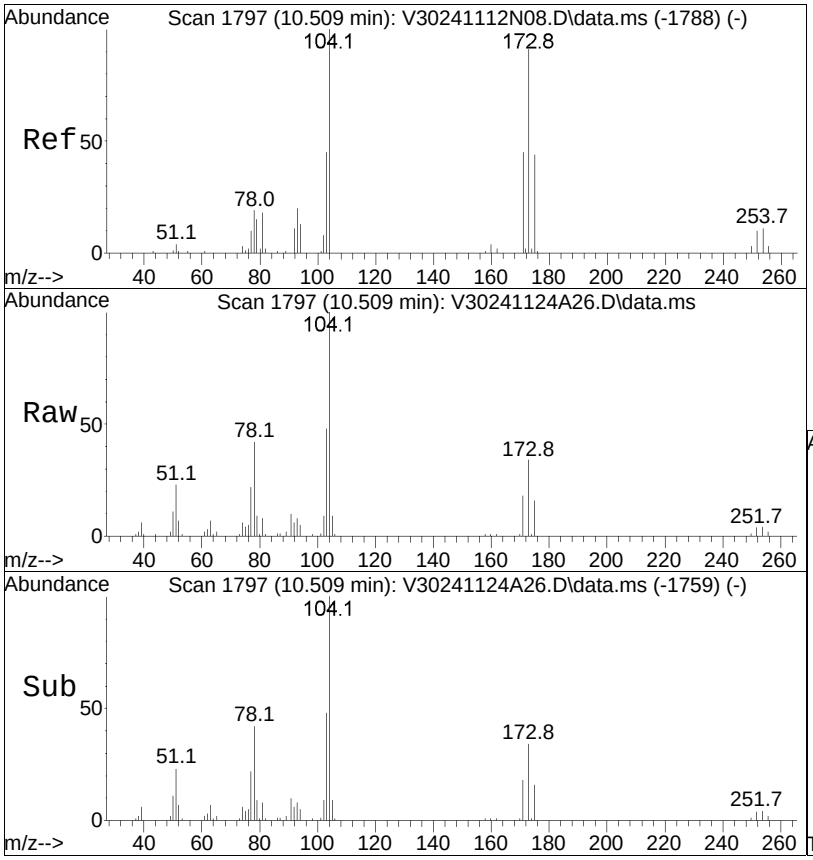


#83
Styrene
Concen: 21.00 ug/L
RT: 10.488 min Scan# 1793
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:104 Resp: 525948

Ion	Ratio	Lower	Upper
104	100		
78	44.3	38.1	57.1

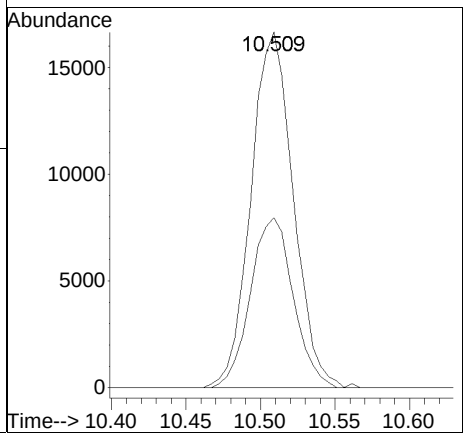


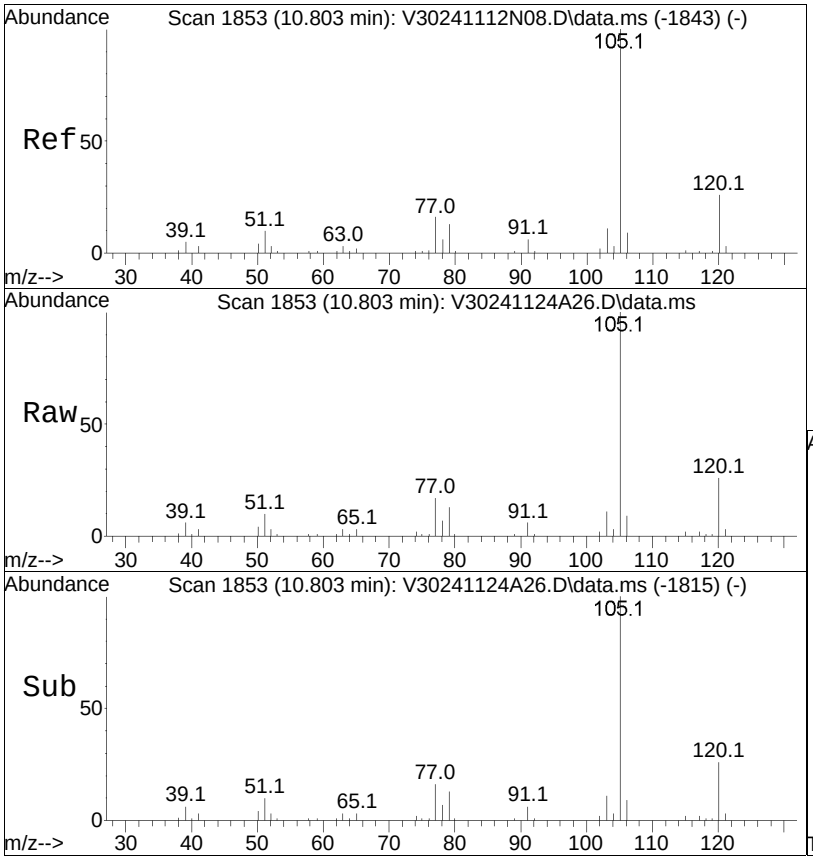


#85
Bromoform
Concen: 8.55 ug/L
RT: 10.509 min Scan# 1797
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:173 Resp: 32821

Ion	Ratio	Lower	Upper
173	100		
175	48.2	37.8	56.6

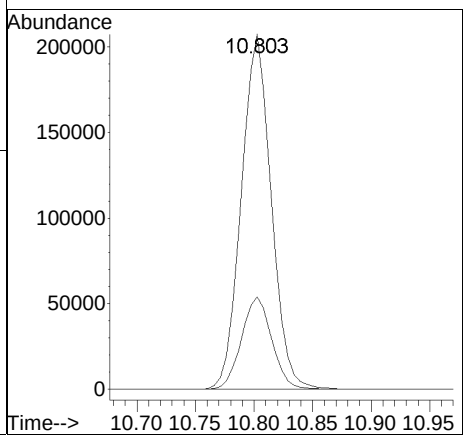


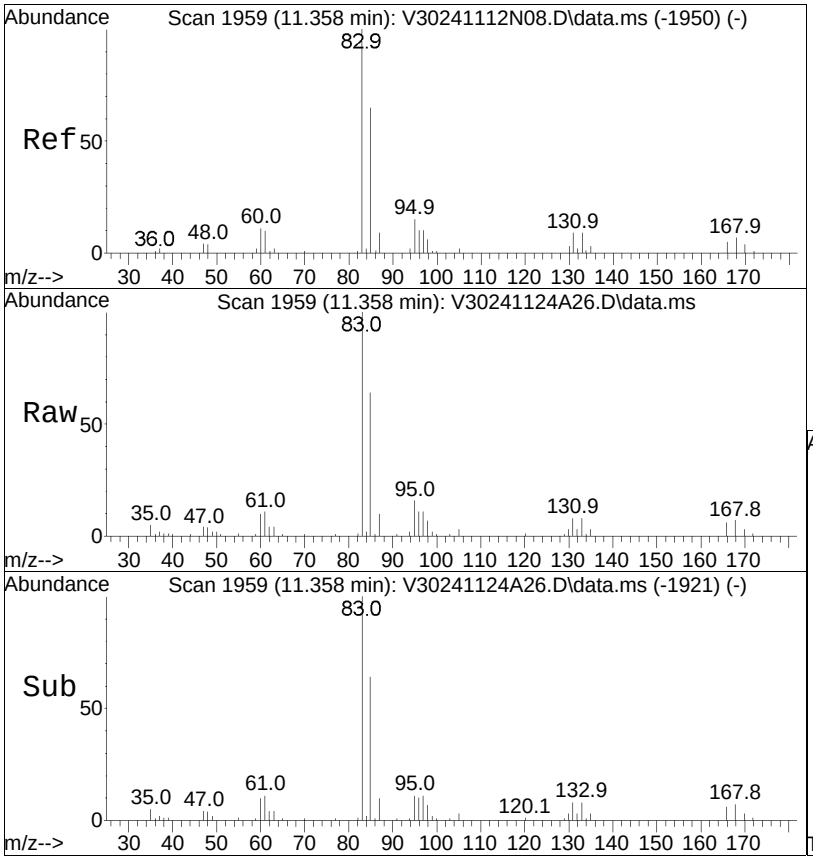


#87
Isopropylbenzene
Concen: 9.02 ug/L
RT: 10.803 min Scan# 1853
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:105 Resp: 368959

Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.0	30.0

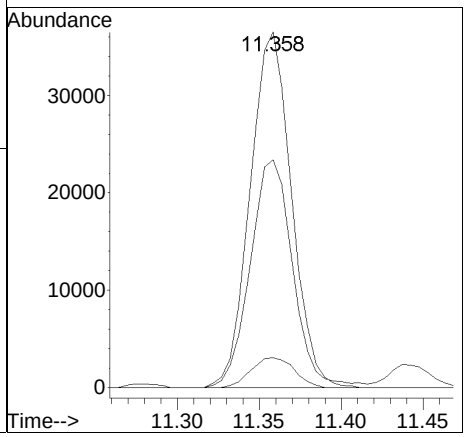


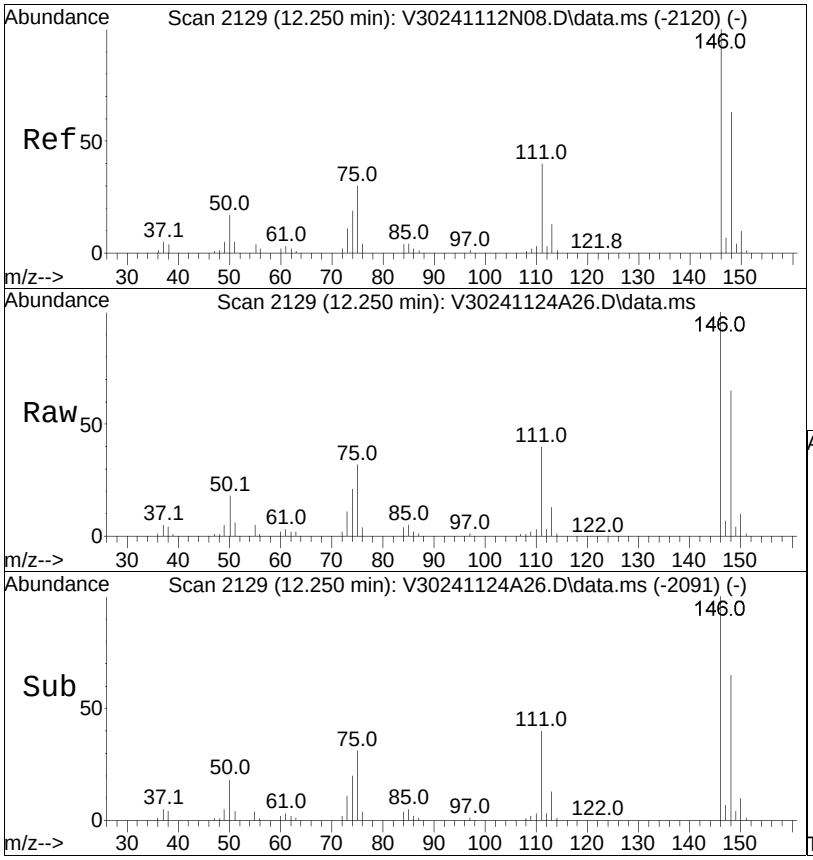


#92
1,1,2,2-Tetrachloroethane
Concen: 9.96 ug/L
RT: 11.358 min Scan# 1959
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion: 83 Resp: 63789

Ion	Ratio	Lower	Upper
83	100		
131	8.7	6.6	10.0
85	66.0	51.8	77.6

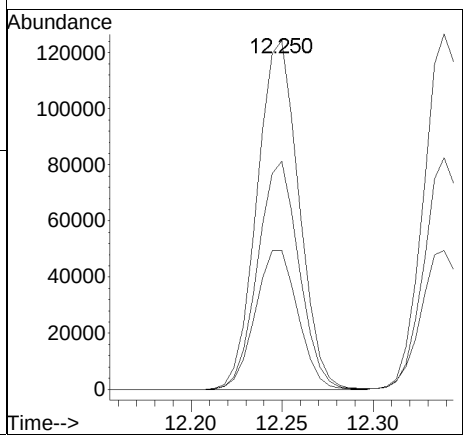


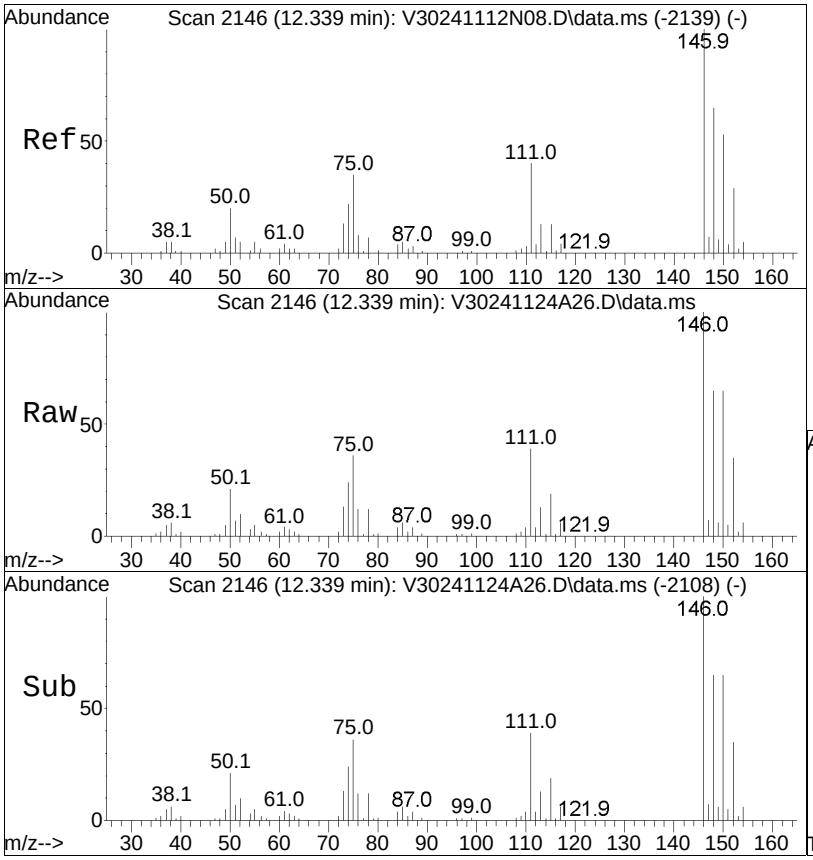


#105
1,3-Dichlorobenzene
Concen: 9.55 ug/L
RT: 12.250 min Scan# 2129
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:146 Resp: 198622

Ion	Ratio	Lower	Upper
146	100		
111	40.6	28.0	58.1
148	64.4	40.8	84.6

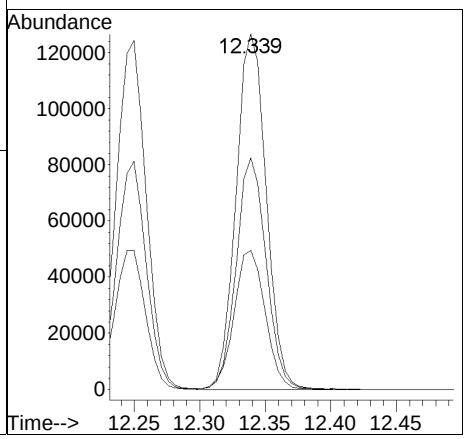


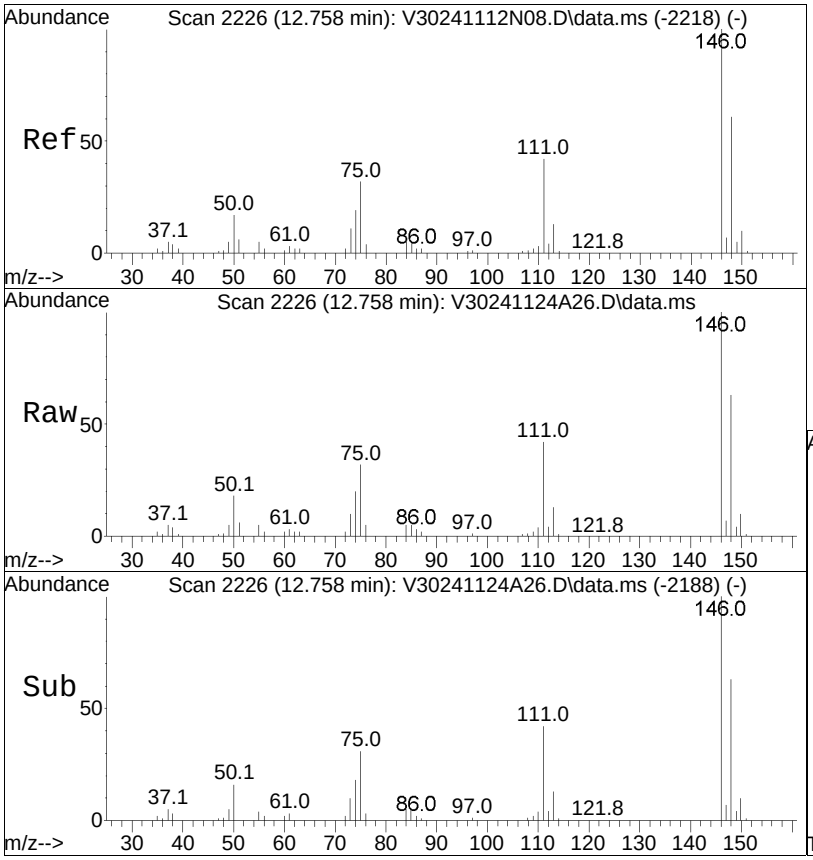


#106
1,4-Dichlorobenzene
Concen: 9.57 ug/L
RT: 12.339 min Scan# 2146
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:146 Resp: 203293

Ion	Ratio	Lower	Upper
146	100		
111	40.2	33.7	50.5
148	64.4	50.8	76.2

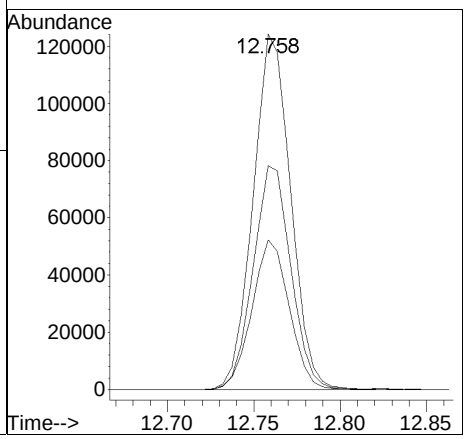


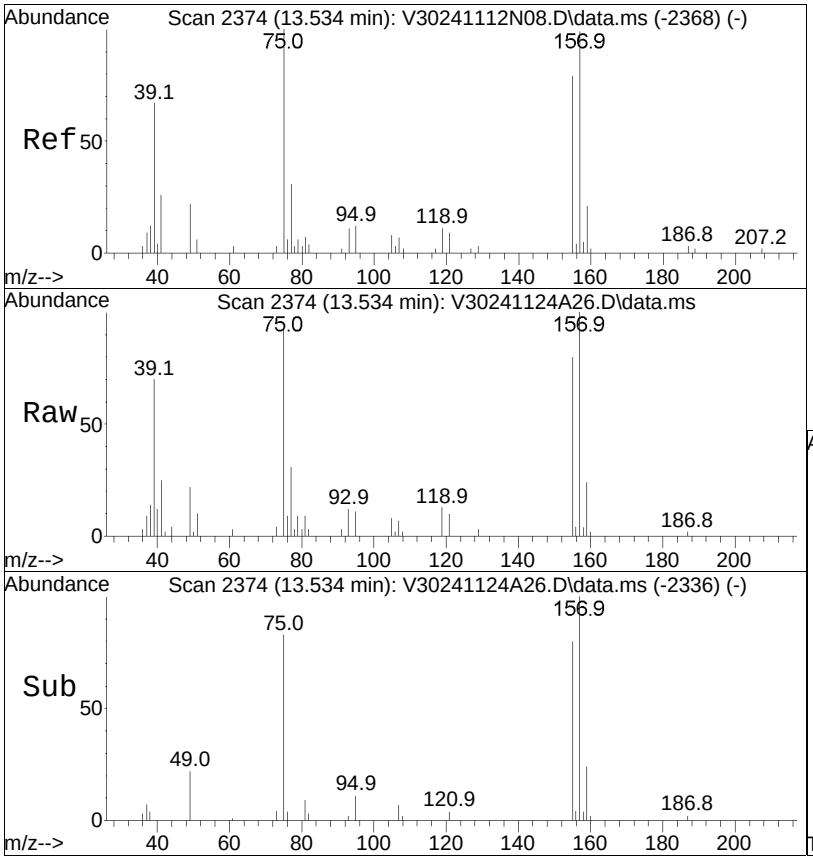


#109
1,2-Dichlorobenzene
Concen: 9.54 ug/L
RT: 12.758 min Scan# 2226
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:146 Resp: 187982

Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.5	61.3
148	63.3	41.3	85.9

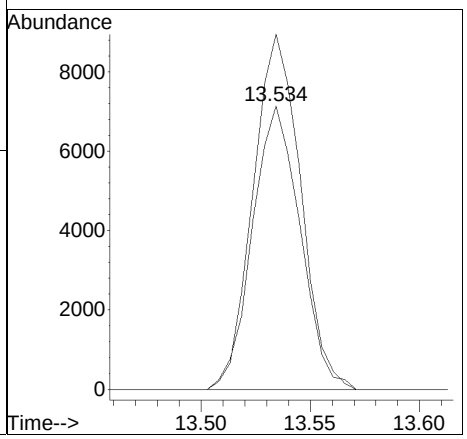


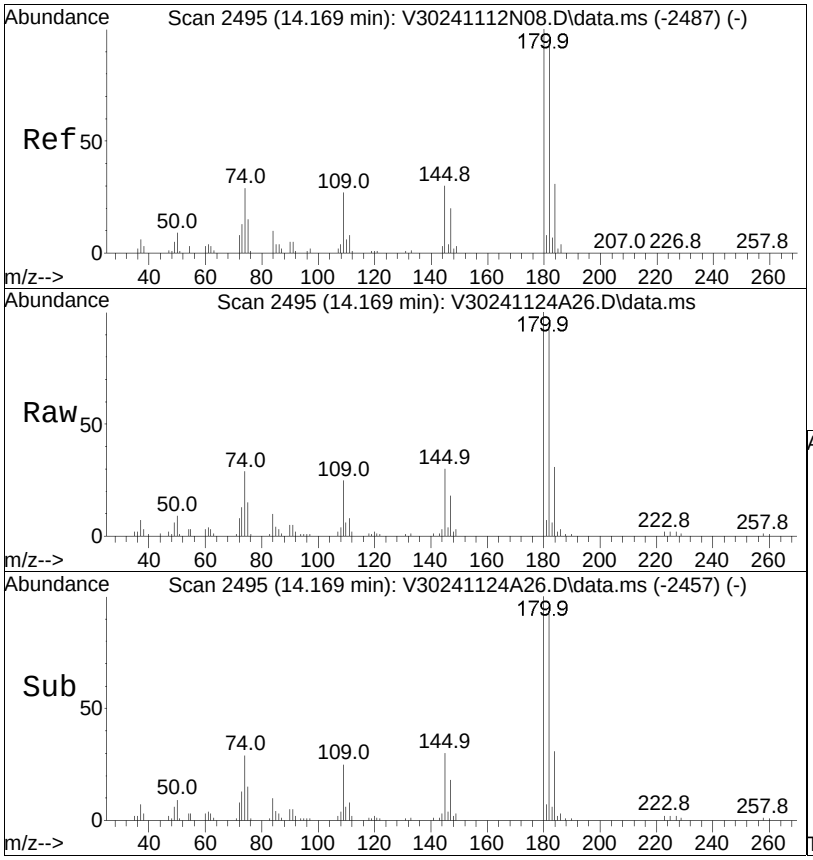


#111
1,2-Dibromo-3-chloropropane
Concen: 10.16 ug/L
RT: 13.534 min Scan# 2374
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:155 Resp: 10852

Ion	Ratio	Lower	Upper
155	100		
157	124.1	105.1	157.7

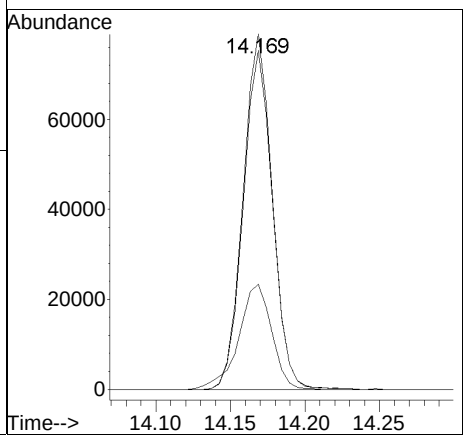


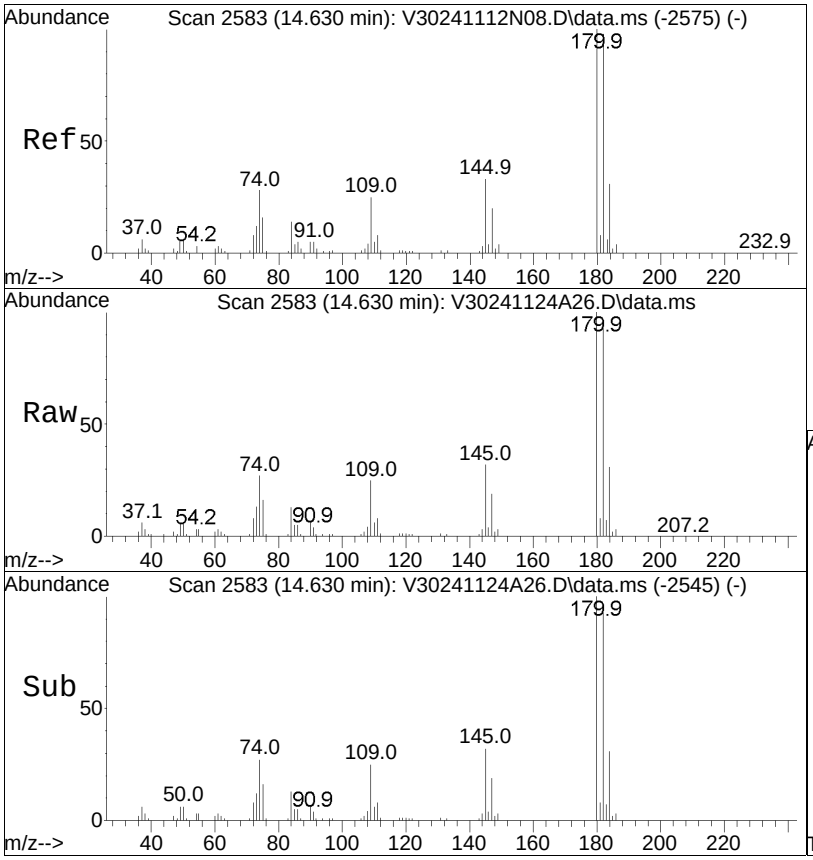


#114
1,2,4-Trichlorobenzene
Concen: 8.35 ug/L
RT: 14.169 min Scan# 2495
Delta R.T. -0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:180 Resp: 107609

Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.7	113.5
145	33.4	27.4	41.2

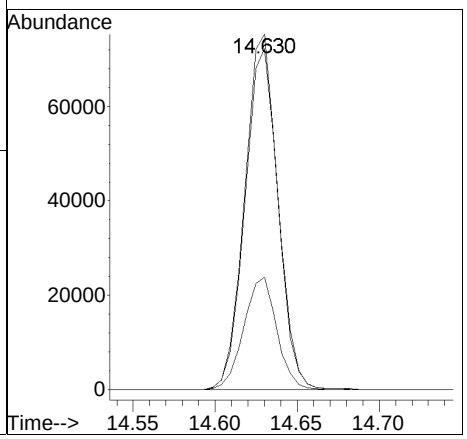




#116
1,2,3-Trichlorobenzene
Concen: 8.83 ug/L
RT: 14.630 min Scan# 2583
Delta R.T. 0.000 min
Lab File: V30241124A26.D
Acq: 24 Nov 2024 07:16 pm

Tgt Ion:180 Resp: 106003

Ion	Ratio	Lower	Upper
180	100		
182	95.4	74.9	112.3
145	31.3	26.0	39.0



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A26.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 7:16 pm	Instrument	: VOA130
Sample	: WG2001917-6,31,10,10,,A1	Quant Date	: 11/25/2024 7:36 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A27.D
Acq On : 24 Nov 2024 07:38 pm
Operator : VOA130:PID
Sample : WG2001917-7,31,10,10,,A2
Misc : WG2001917,ICAL21702
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 25 07:36:05 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.089	96	404545	10.000	ug/L	0.00
Standard Area 1 = 425566			Recovery = 95.06%			
63) Chlorobenzene-d5	9.633	117	331445	10.000	ug/L	0.00
Standard Area 1 = 345808			Recovery = 95.85%			
84) 1,4-Dichlorobenzene-d4	12.323	152	220084	10.000	ug/L	0.00
Standard Area 1 = 228216			Recovery = 96.44%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.271	113	152734	10.983	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.83%			
47) 1,2-Dichloroethane-d4	5.801	65	162971	11.704	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.04%			
64) Toluene-d8	7.788	98	443079	9.965	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.65%			
88) 4-Bromofluorobenzene	11.117	95	177950	9.362	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.62%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	133100	13.621	ug/L	95
3) Chloromethane	1.863	50	135222	11.346	ug/L	97
4) Vinyl chloride	1.942	62	141614	12.092	ug/L	98
5) Bromomethane	2.256	94	44452	6.995	ug/L	97
6) Chloroethane	2.372	64	85329	11.898	ug/L	99
7) Trichlorofluoromethane	2.524	101	150462	11.465	ug/L	98
10) 1,1-Dichloroethene	3.017	96	91371	10.846	ug/L	83
11) Carbon disulfide	3.043	76	285548	11.259	ug/L	100
12) Freon-113	3.053	101	82613	10.332	ug/L	92
15) Methylene chloride	3.572	84	113096	10.878	ug/L	86
17) Acetone	3.604	43	21871	14.432	ug/L	93
18) trans-1,2-Dichloroethene	3.730	96	94110	10.401	ug/L	87
19) Methyl acetate	3.730	43	41507	10.966	ug/L #	89
21) Methyl tert-butyl ether	3.829	73	106779	7.593	ug/L	96
25) 1,1-Dichloroethane	4.312	63	206316	10.956	ug/L	99
30) cis-1,2-Dichloroethene	4.831	96	107014	10.402	ug/L	84
33) Bromochloromethane	5.025	128	49897	10.815	ug/L #	71
34) Cyclohexane	5.035	56	110970	8.110	ug/L	88
35) Chloroform	5.098	83	186131	10.745	ug/L	95
37) Carbon tetrachloride	5.240	117	93512	9.205	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A27.D
Acq On : 24 Nov 2024 07:38 pm
Operator : VOA130:PID
Sample : WG2001917-7,31,10,10,,A2
Misc : WG2001917,ICAL21702
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 25 07:36:05 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\241124A\V30241124A02.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	5.303	97	120303	9.711	ug/L		95
42) 2-Butanone	5.381	43	19273	10.142	ug/L		99
45) Benzene	5.670	78	287699	9.532	ug/L		97
48) 1,2-Dichloroethane	5.869	62	110585	10.382	ug/L	#	98
51) Methyl cyclohexane	6.267	83	91129	8.493	ug/L		94
52) Trichloroethene	6.267	95	62341	8.477	ug/L		96
55) 1,2-Dichloropropane	6.813	63	66923	8.437	ug/L		97
58) Bromodichloromethane	6.886	83	94282	8.756	ug/L	#	97
61) 1,4-Dioxane	7.091	88	24429	628.145	ug/L		93
62) cis-1,3-Dichloropropene	7.573	75	82077	7.445	ug/L	#	84
65) Toluene	7.846	92	191975	9.482	ug/L		100
66) 4-Methyl-2-pentanone	8.276	58	13598	9.158	ug/L	#	86
67) Tetrachloroethene	8.302	166	69083	9.406	ug/L		94
69) trans-1,3-Dichloropropene	8.323	75	75466	8.015	ug/L	#	83
72) 1,1,2-Trichloroethane	8.511	83	41904	9.296	ug/L		98
73) Chlorodibromomethane	8.721	129	51345	8.266	ug/L		98
75) 1,2-Dibromoethane	9.004	107	45170	9.433	ug/L		100
77) 2-Hexanone	9.287	43	24700	9.070	ug/L		97
78) Chlorobenzene	9.654	112	199224	9.227	ug/L		88
79) Ethylbenzene	9.696	91	368076	9.240	ug/L		98
81) p/m Xylene	9.885	106	306000	19.094	ug/L		95
82) o Xylene	10.420	106	286276	18.566	ug/L		97
83) Styrene	10.483	104	486086	19.182	ug/L		96
85) Bromoform	10.509	173	31385	8.165	ug/L		96
87) Isopropylbenzene	10.803	105	343244	8.363	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.353	83	62724	9.754	ug/L		99
105) 1,3-Dichlorobenzene	12.245	146	185303	8.879	ug/L		97
106) 1,4-Dichlorobenzene	12.339	146	187633	8.796	ug/L		98
109) 1,2-Dichlorobenzene	12.758	146	176859	8.939	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.534	155	11229	10.476	ug/L		96
114) 1,2,4-Trichlorobenzene	14.169	180	102665	7.934	ug/L		98
116) 1,2,3-Trichlorobenzene	14.625	180	103119	8.556	ug/L		98

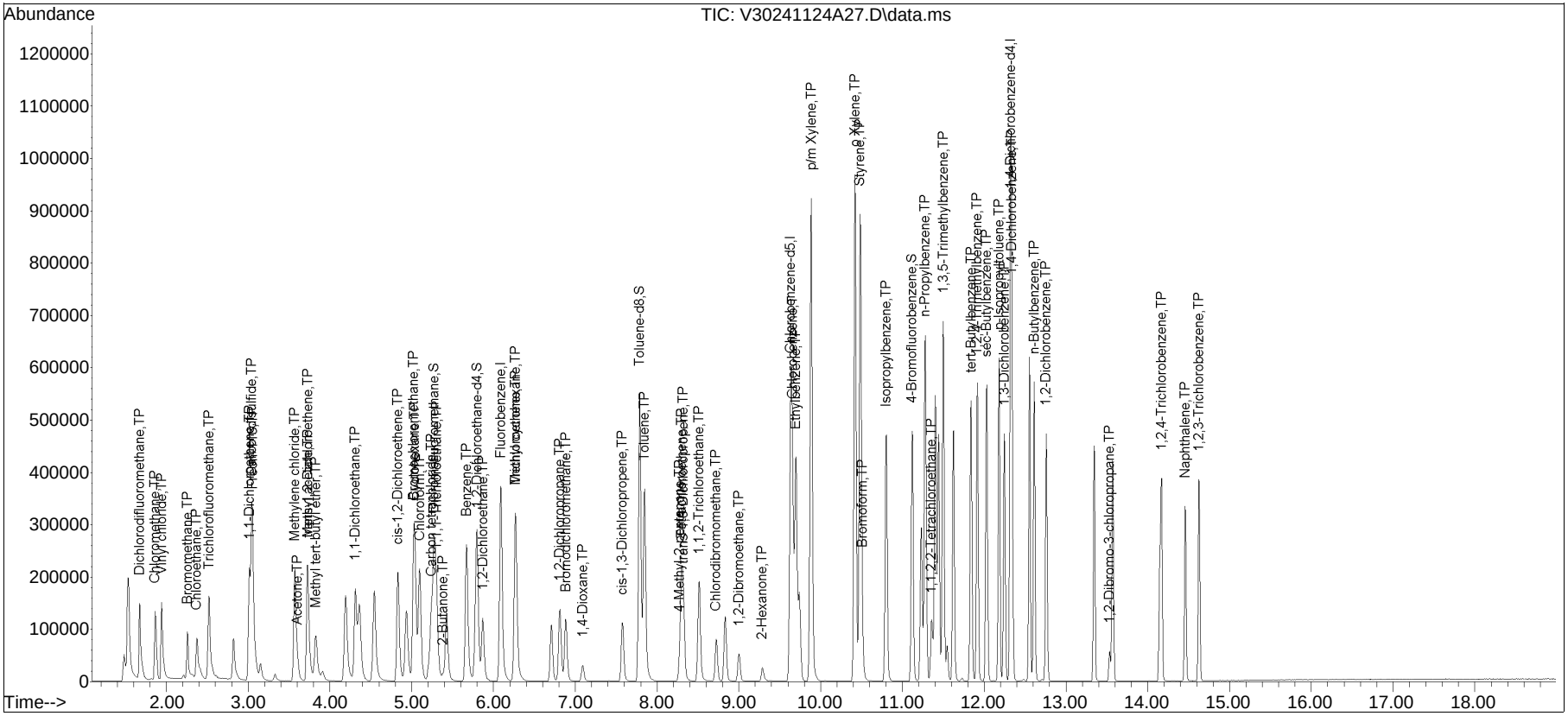
(#) = qualifier out of range (m) = manual integration (+) = signals summed

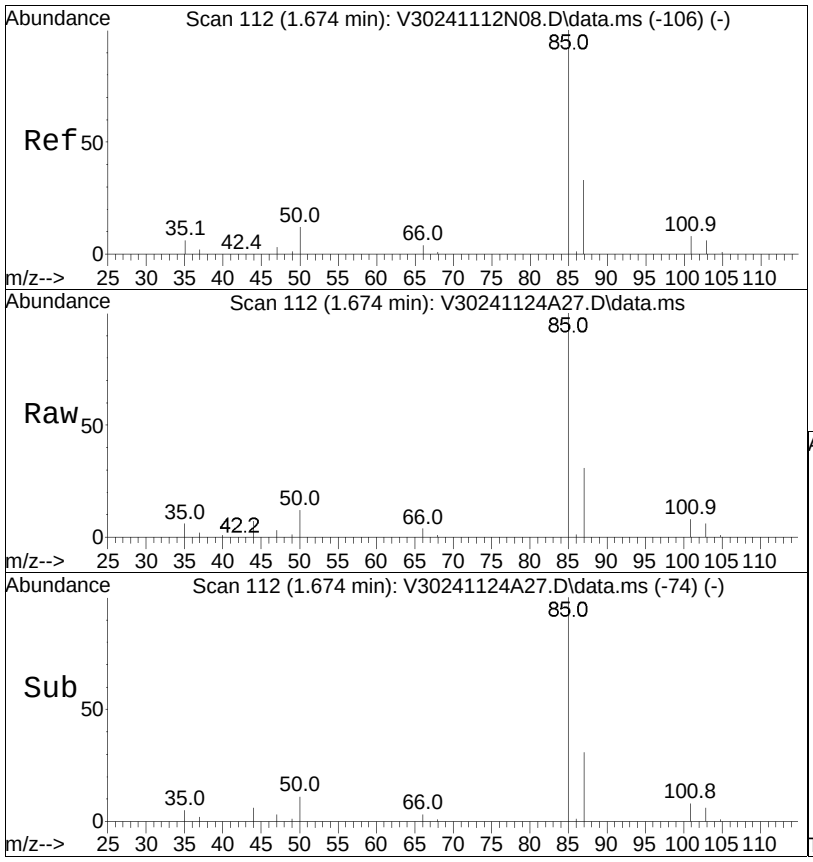
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\241124A\
Data File : V30241124A27.D
Acq On : 24 Nov 2024 07:38 pm
Operator : VOA130:PID
Sample : WG2001917-7,31,10,10,,A2
Misc : WG2001917,ICAL21702
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 25 07:36:05 2024
Quant Method : K:\VOA130\2024\241124A\V130_241112N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Nov 13 13:45:44 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS1124A02.D•

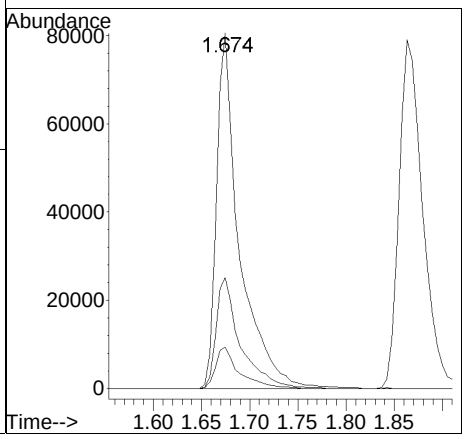


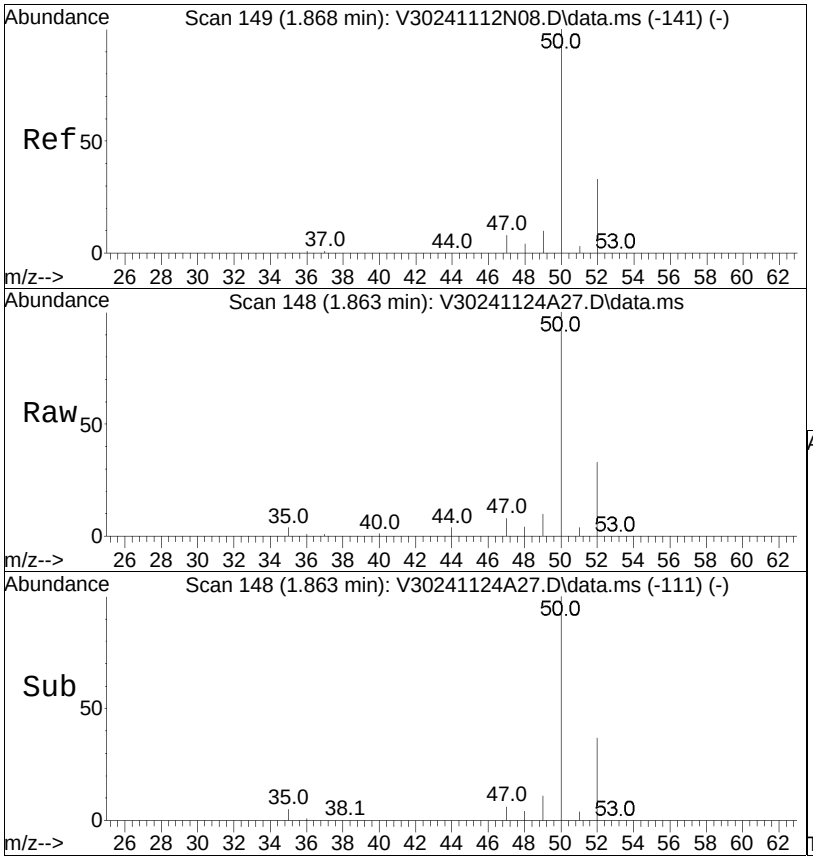


#2
Dichlorodifluoromethane
Concen: 13.62 ug/L
RT: 1.674 min Scan# 112
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 85 Resp: 133100

Ion	Ratio	Lower	Upper
85	100		
87	32.7	20.2	42.0
50	11.9	10.1	20.9

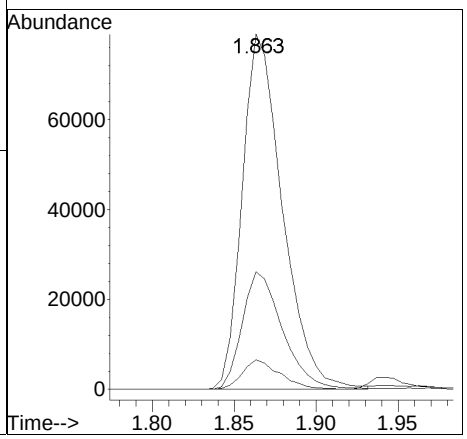


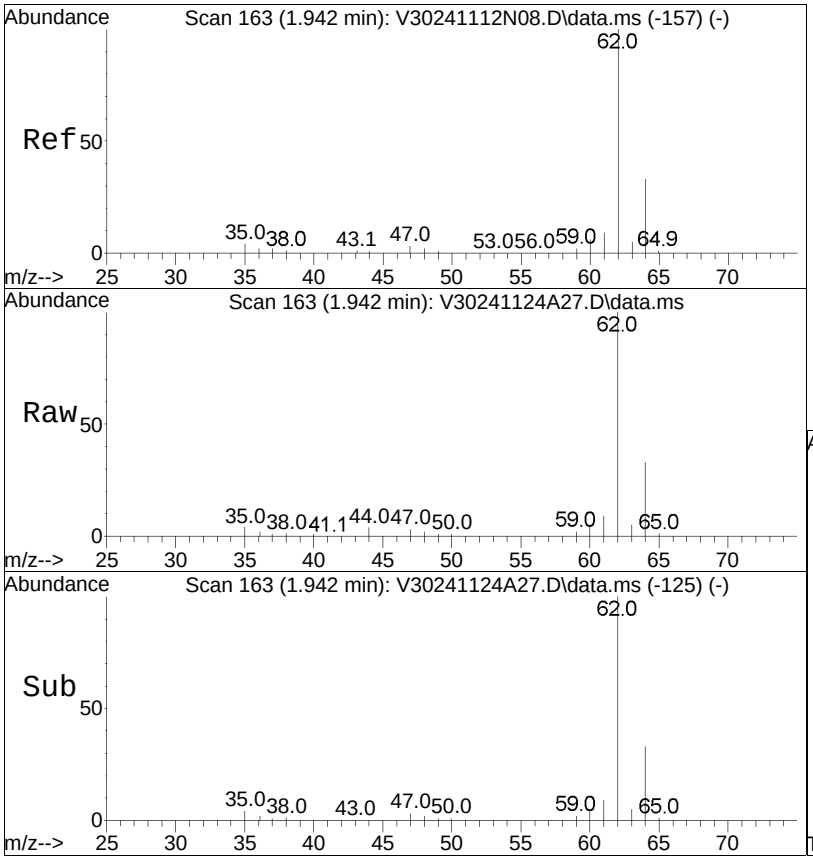


#3
Chloromethane
Concen: 11.35 ug/L
RT: 1.863 min Scan# 148
Delta R.T. -0.005 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 50 Resp: 135222

Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.1	37.7
47	7.9	6.5	9.7

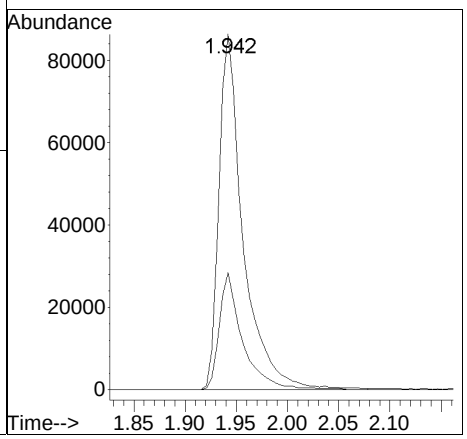


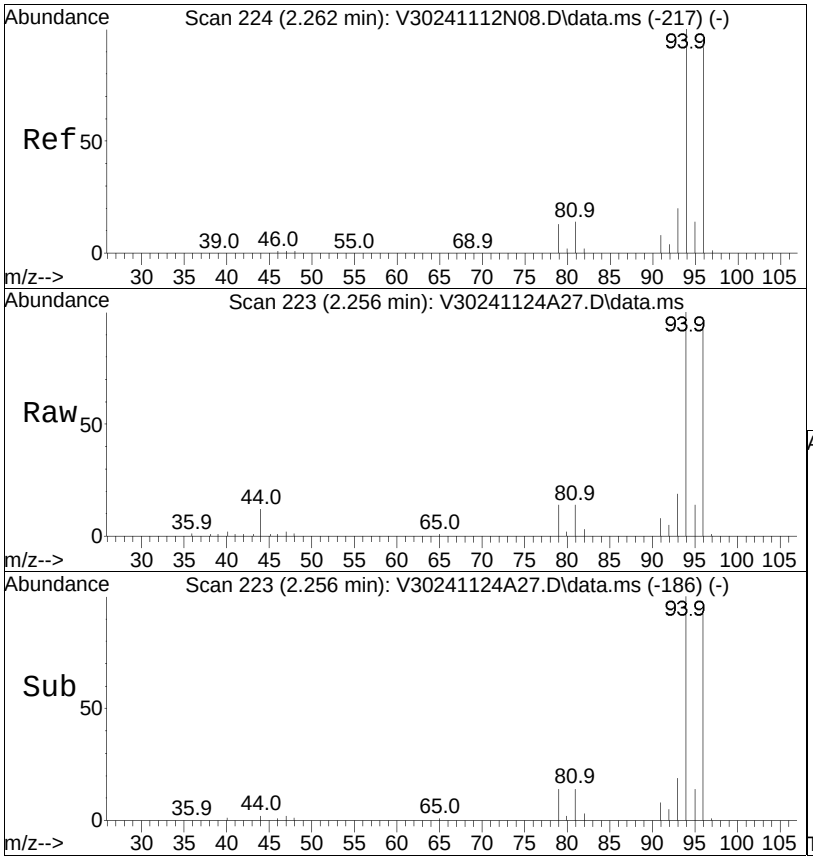


#4
Vinyl chloride
Concen: 12.09 ug/L
RT: 1.942 min Scan# 163
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 62 Resp: 141614

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.7	38.5

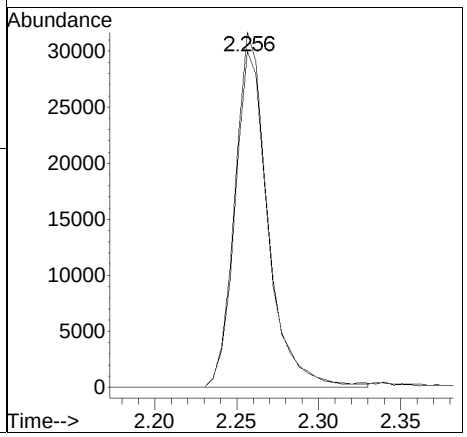


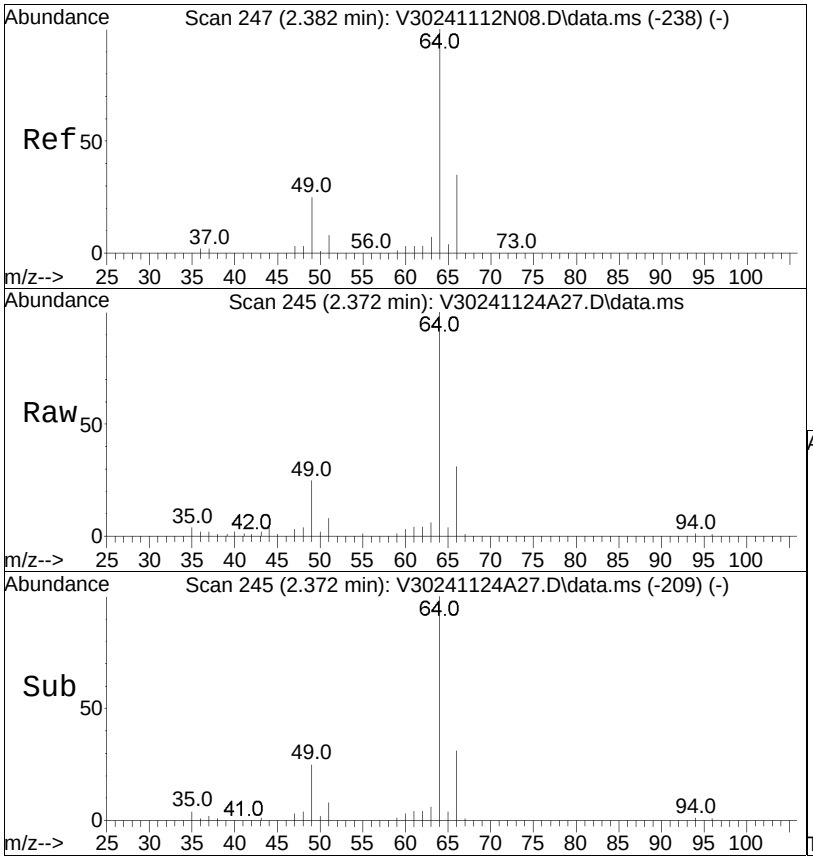


#5
Bromomethane
Concen: 6.99 ug/L
RT: 2.256 min Scan# 223
Delta R.T. -0.006 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 94 Resp: 44452

Ion	Ratio	Lower	Upper
94	100		
96	94.8	73.7	110.5

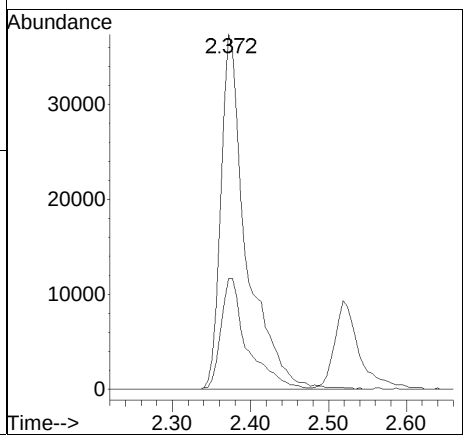


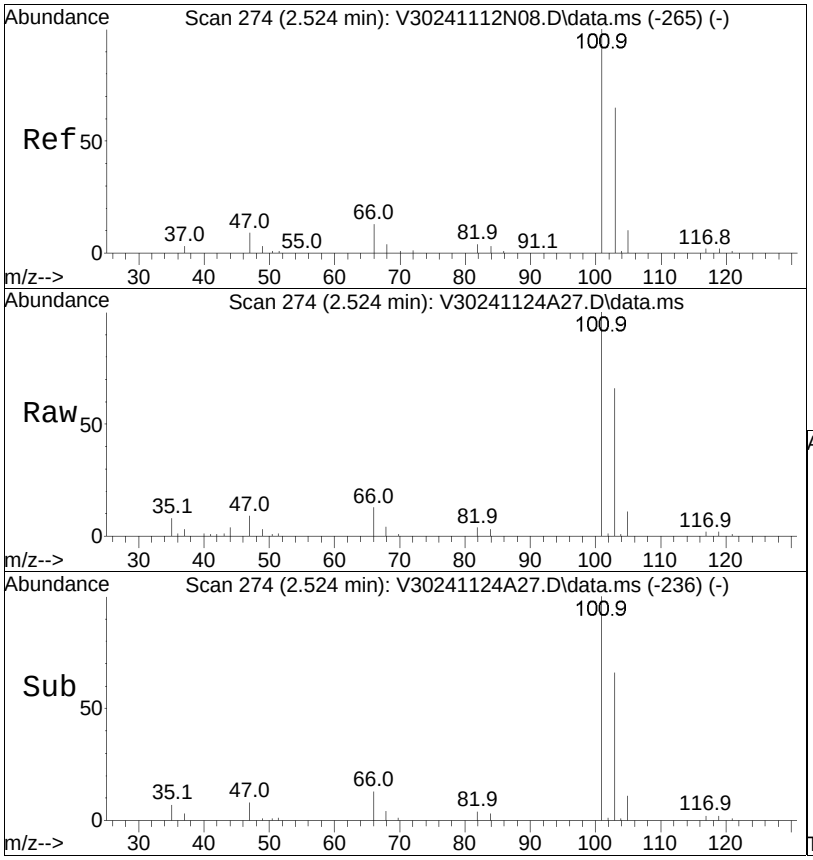


#6
Chloroethane
Concen: 11.90 ug/L
RT: 2.372 min Scan# 245
Delta R.T. -0.010 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 64 Resp: 85329

Ion	Ratio	Lower	Upper
64	100		
66	32.3	25.3	37.9

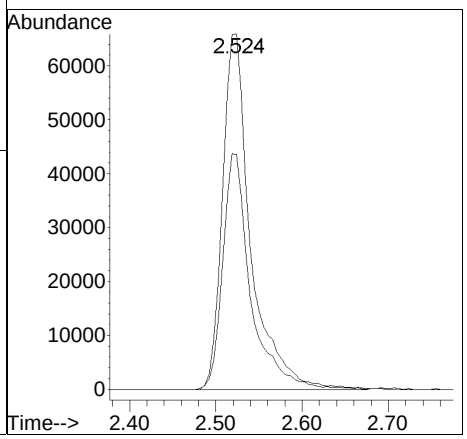


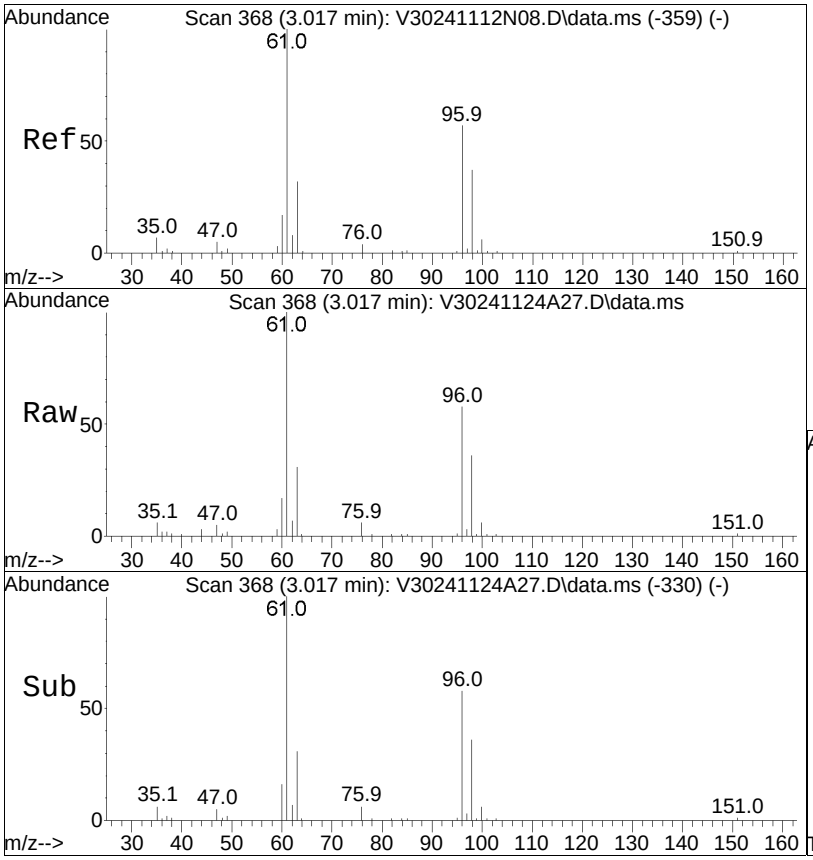


#7
Trichlorofluoromethane
Concen: 11.47 ug/L
RT: 2.524 min Scan# 274
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:101 Resp: 150462

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.4

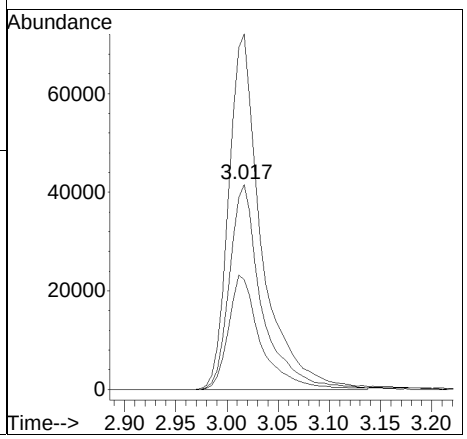


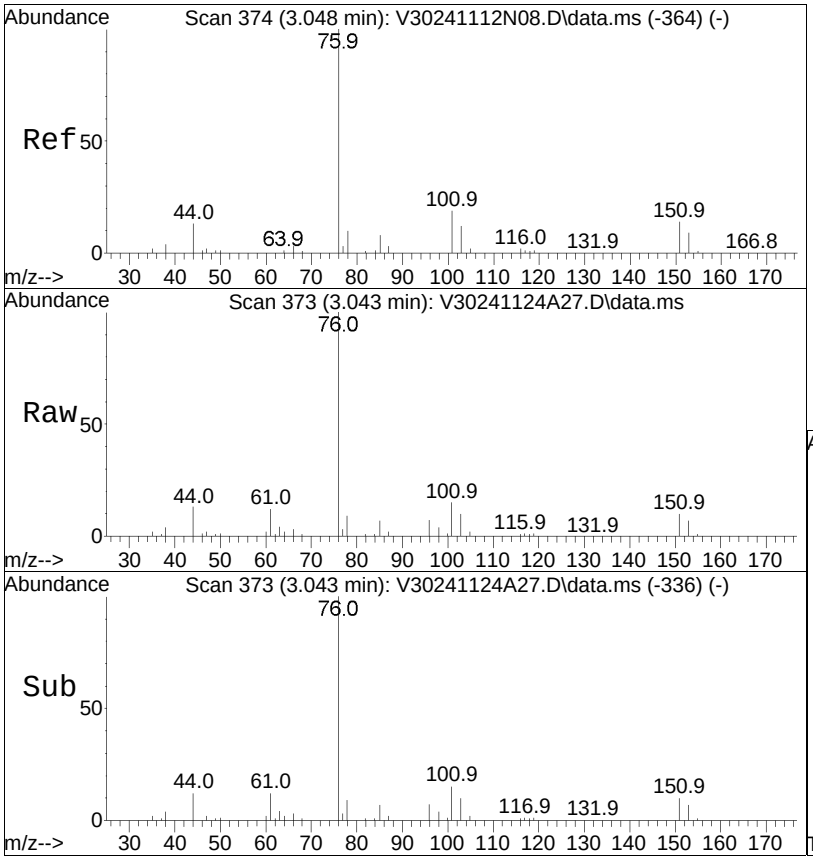


#10
1,1-Dichloroethene
Concen: 10.85 ug/L
RT: 3.017 min Scan# 368
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 96 Resp: 91371

Ion	Ratio	Lower	Upper
96	100		
61	177.5	165.5	248.3
63	55.7	51.9	77.9

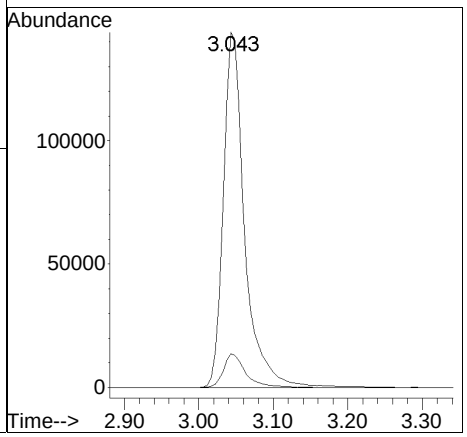


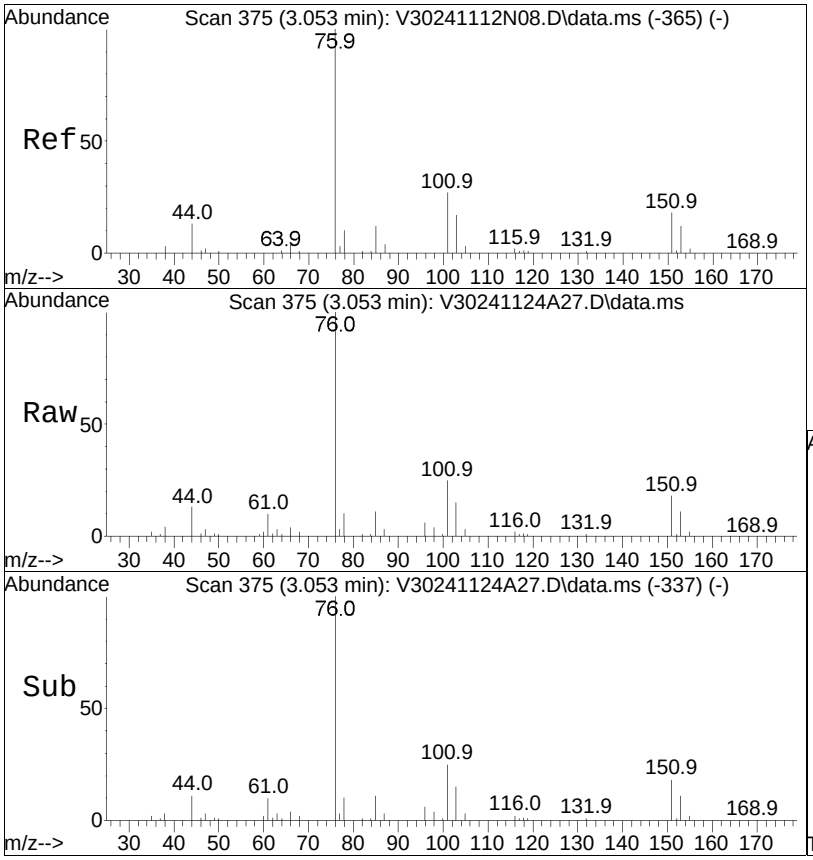


#11
Carbon disulfide
Concen: 11.26 ug/L
RT: 3.043 min Scan# 373
Delta R.T. -0.005 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 76 Resp: 285548

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

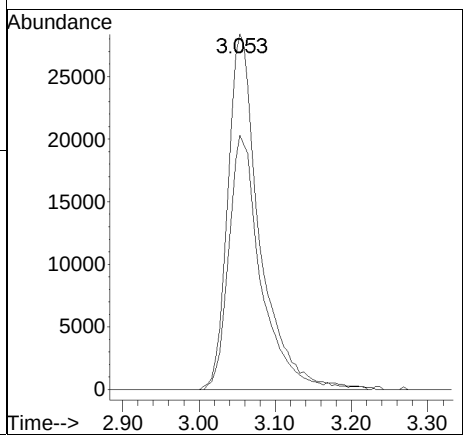


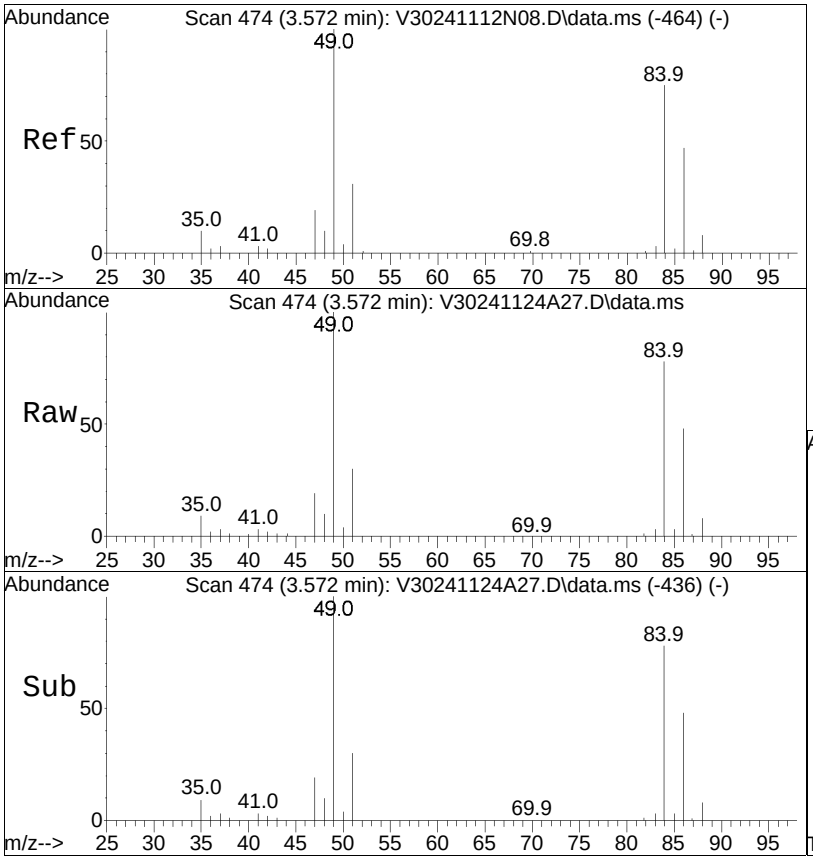


#12
Freon-113
Concen: 10.33 ug/L
RT: 3.053 min Scan# 375
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:101 Resp: 82613

Ion	Ratio	Lower	Upper
101	100		
151	71.5	51.9	77.9

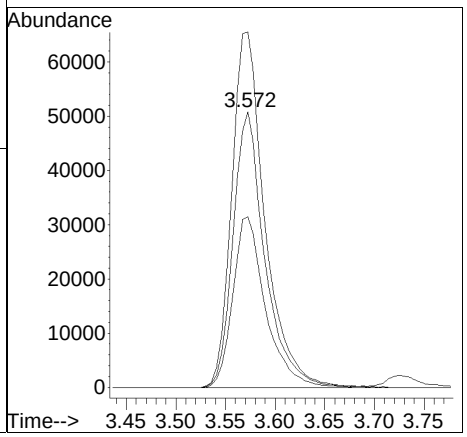


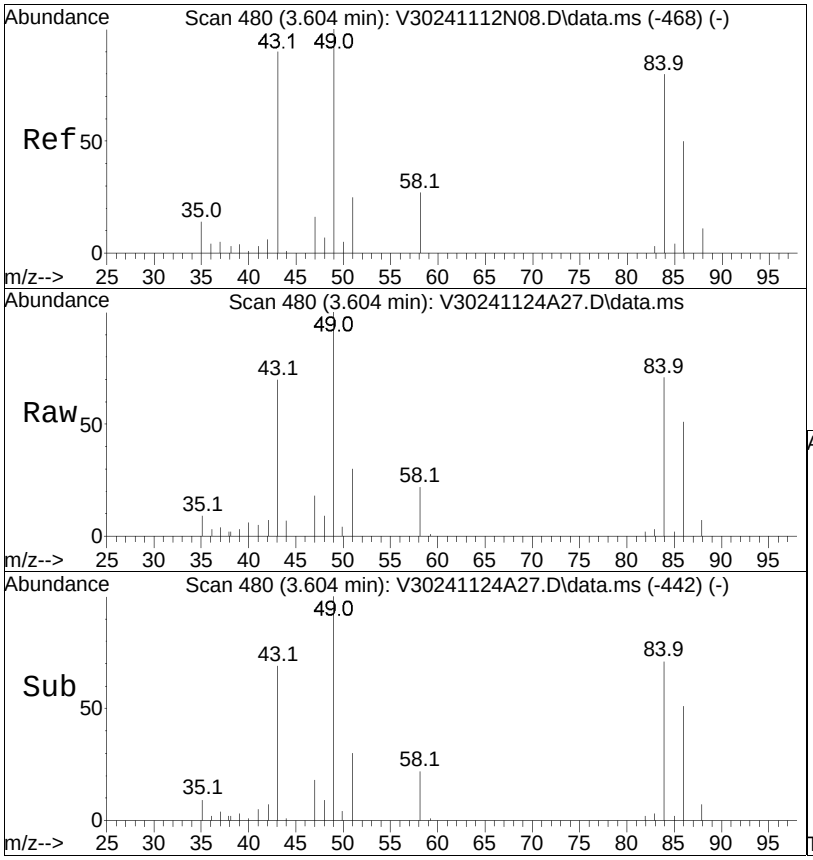


#15
Methylene chloride
Concen: 10.88 ug/L
RT: 3.572 min Scan# 474
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 84 Resp: 113096

Ion	Ratio	Lower	Upper
84	100		
86	63.4	41.7	86.5
49	134.3	103.9	215.9

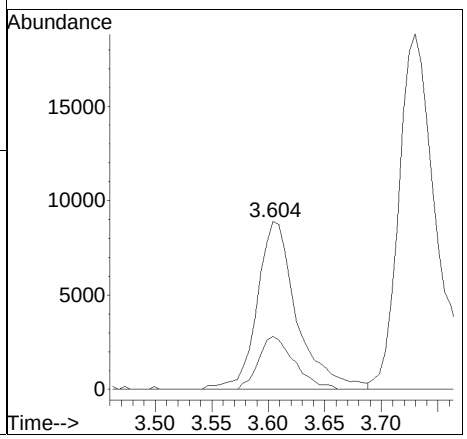


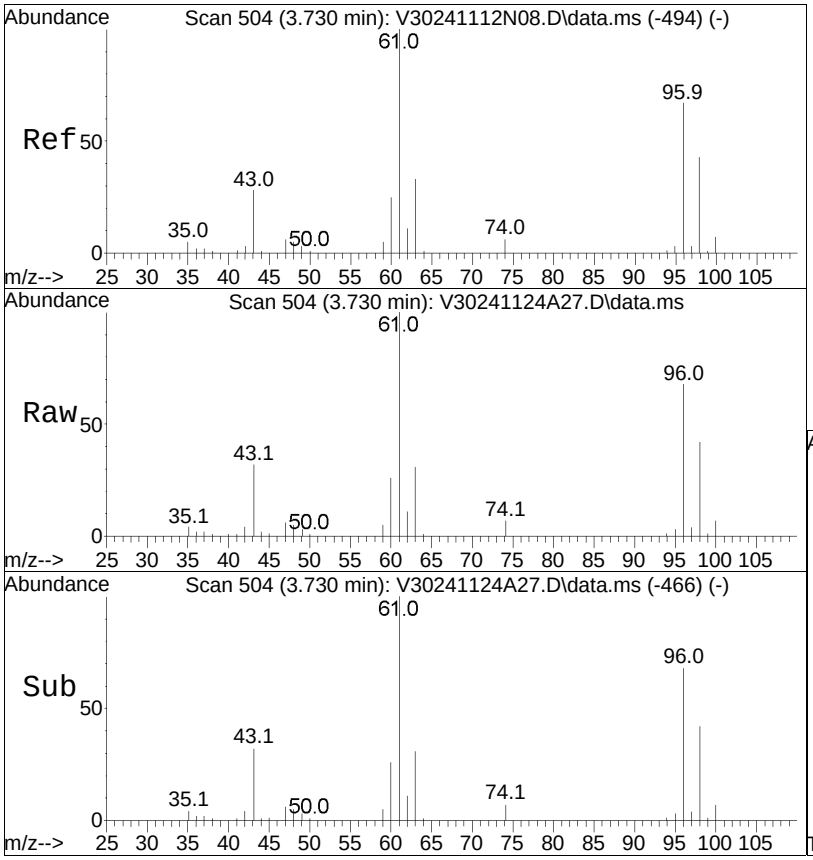


#17
Acetone
Concen: 14.43 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 43 Resp: 21871

Ion	Ratio	Lower	Upper
43	100		
58	28.4	20.1	30.1

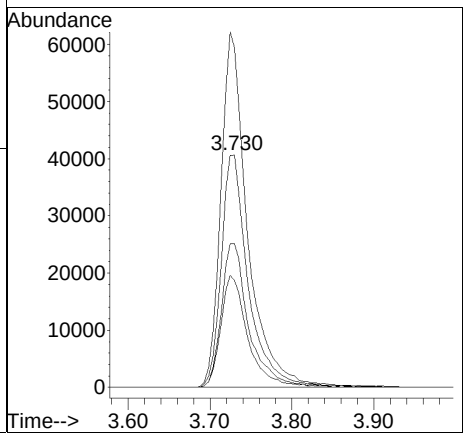


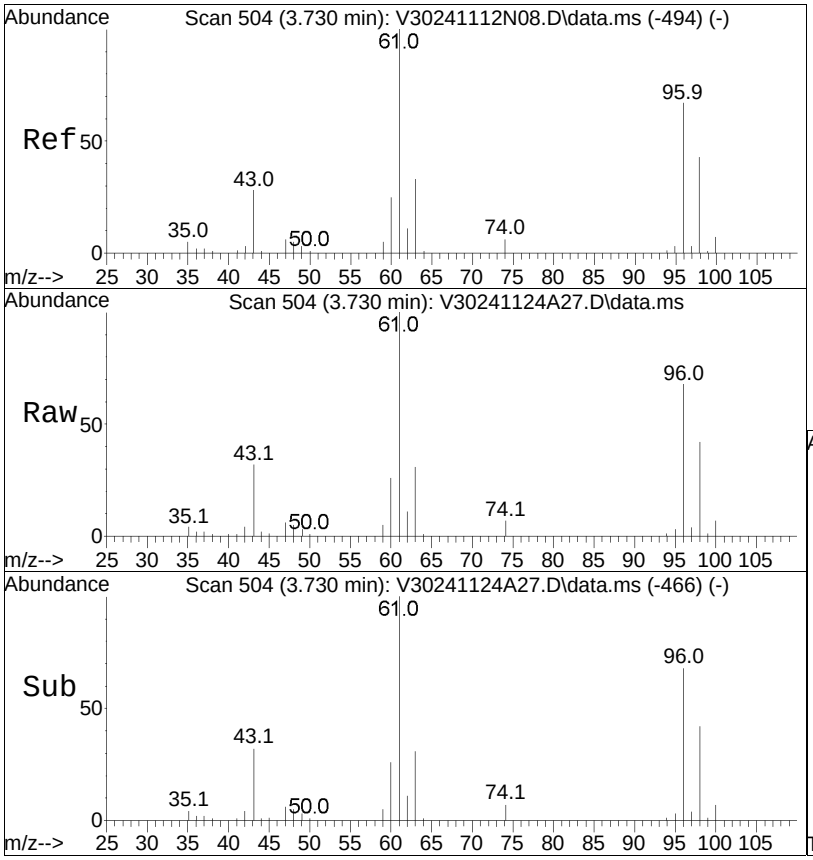


#18
trans-1,2-Dichloroethene
Concen: 10.40 ug/L
RT: 3.730 min Scan# 504
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 96 Resp: 94110

Ion	Ratio	Lower	Upper
96	100		
61	150.2	113.6	236.0
98	62.3	40.8	84.8
63	48.0	36.5	75.7

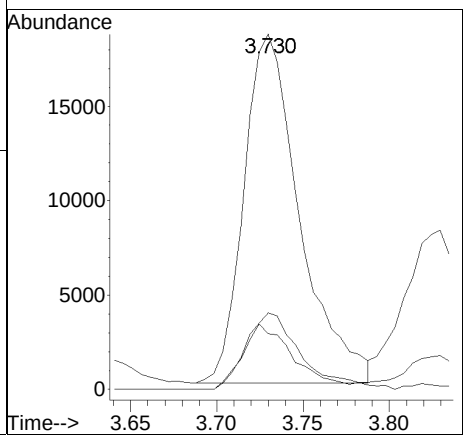


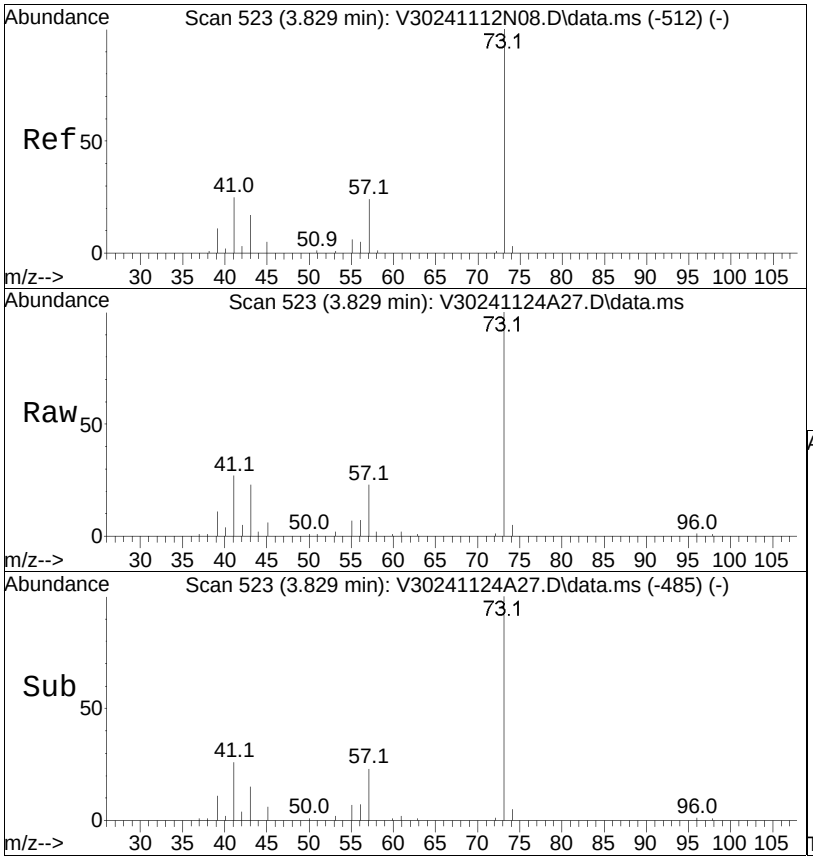


#19
Methyl acetate
Concen: 10.97 ug/L
RT: 3.730 min Scan# 504
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 43 Resp: 41507

Ion	Ratio	Lower	Upper
43	100		
74	21.6	14.6	22.0
59	18.0	9.3	13.9#

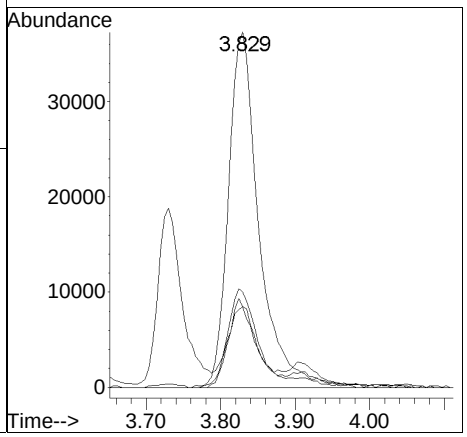


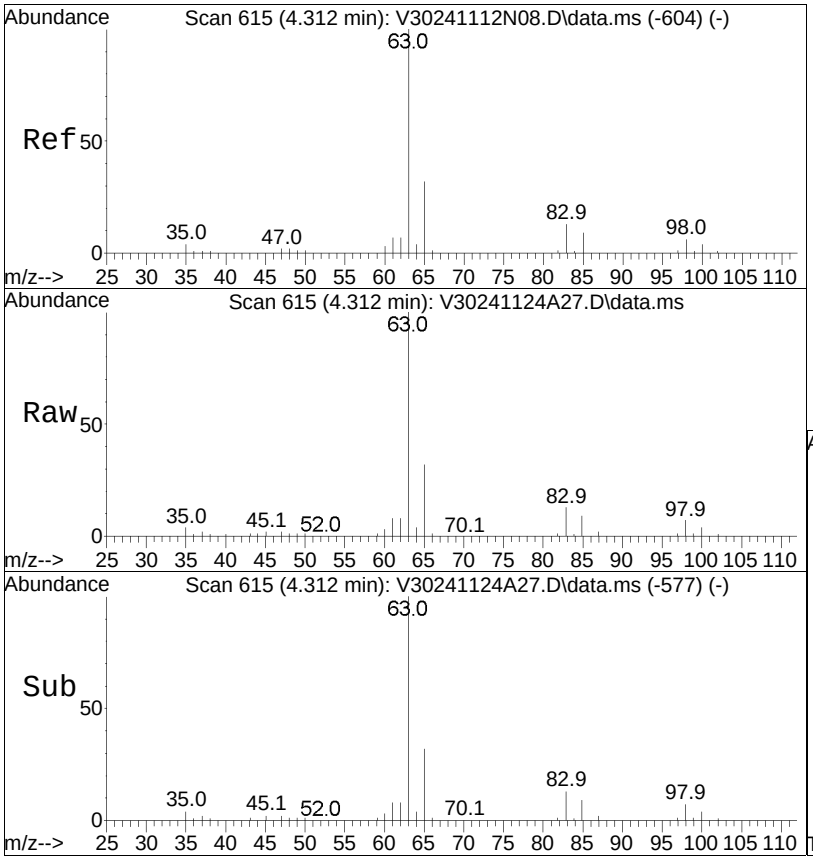


#21
Methyl tert-butyl ether
Concen: 7.59 ug/L
RT: 3.829 min Scan# 523
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 73 Resp: 106779

Ion	Ratio	Lower	Upper
73	100		
57	23.7	15.5	32.1
43	21.2	16.6	34.6
41	27.3	17.2	35.6

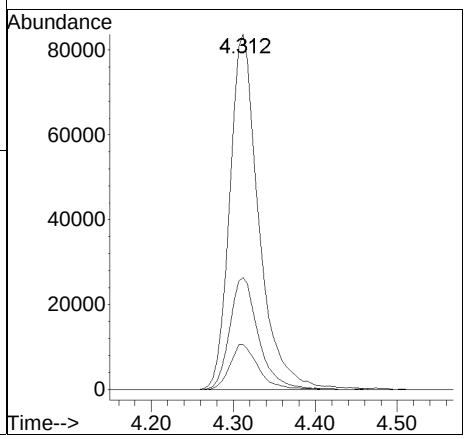


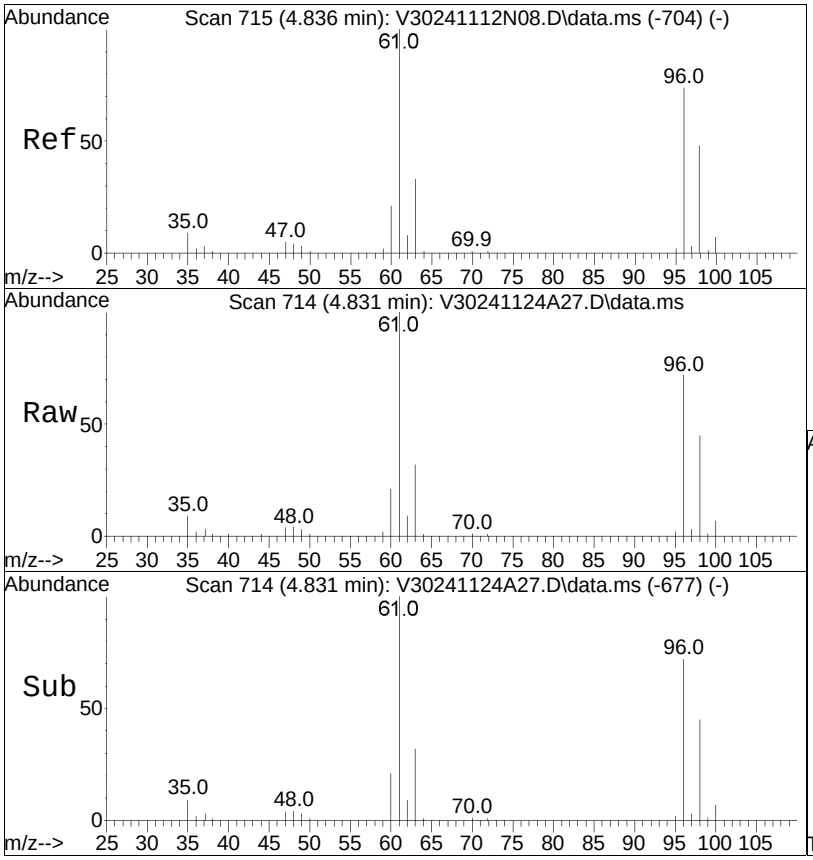


#25
1,1-Dichloroethane
Concen: 10.96 ug/L
RT: 4.312 min Scan# 615
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 63 Resp: 206316

Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.5	36.7
83	12.3	8.9	13.3

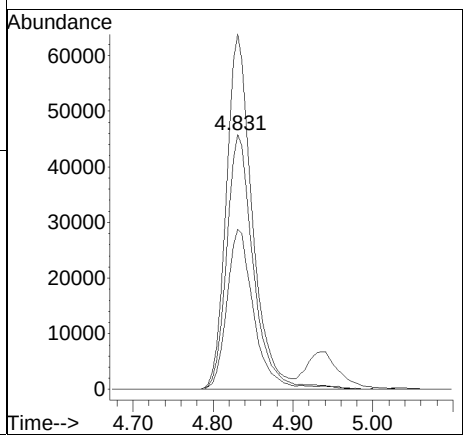


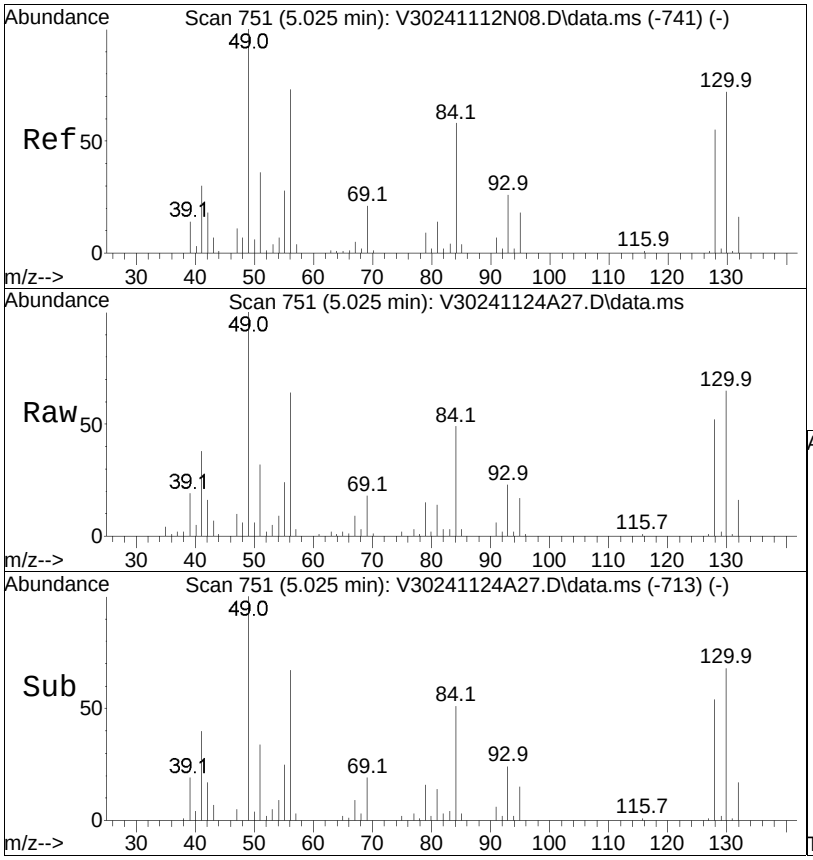


#30
cis-1,2-Dichloroethene
Concen: 10.40 ug/L
RT: 4.831 min Scan# 714
Delta R.T. -0.005 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 96 Resp: 107014

Ion	Ratio	Lower	Upper
96	100		
61	133.8	129.3	193.9
98	61.6	51.4	77.2

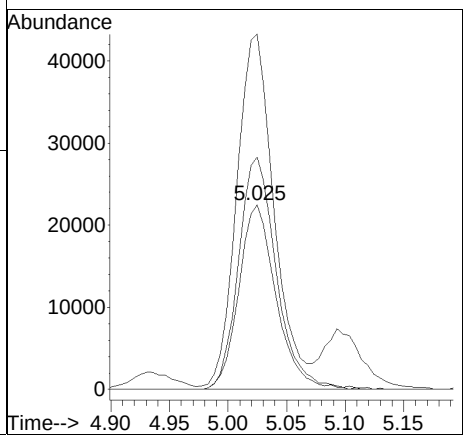


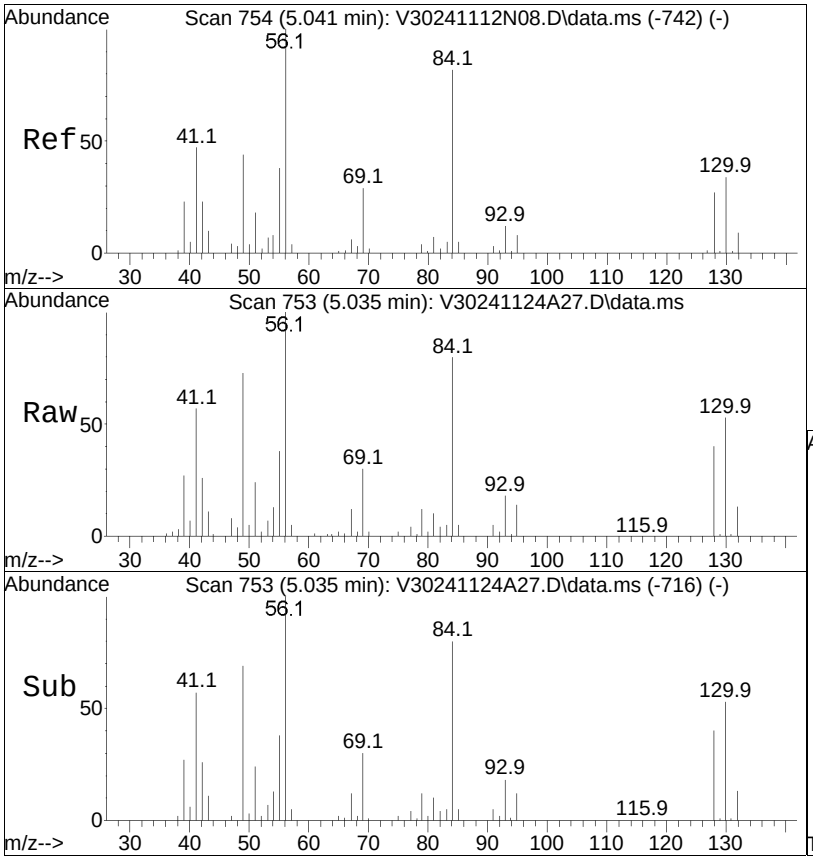


#33
Bromochloromethane
Concen: 10.82 ug/L
RT: 5.025 min Scan# 751
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:128 Resp: 49897

Ion	Ratio	Lower	Upper
128	100		
49	193.6	214.8	322.2#
130	127.9	105.4	158.2

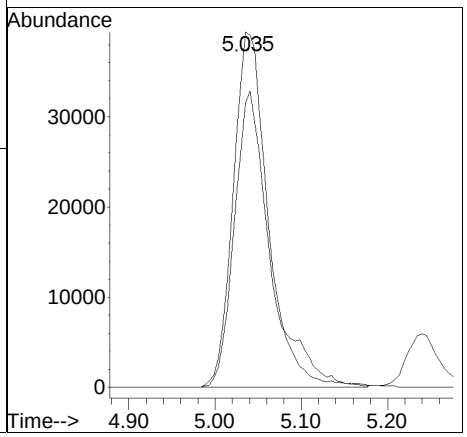


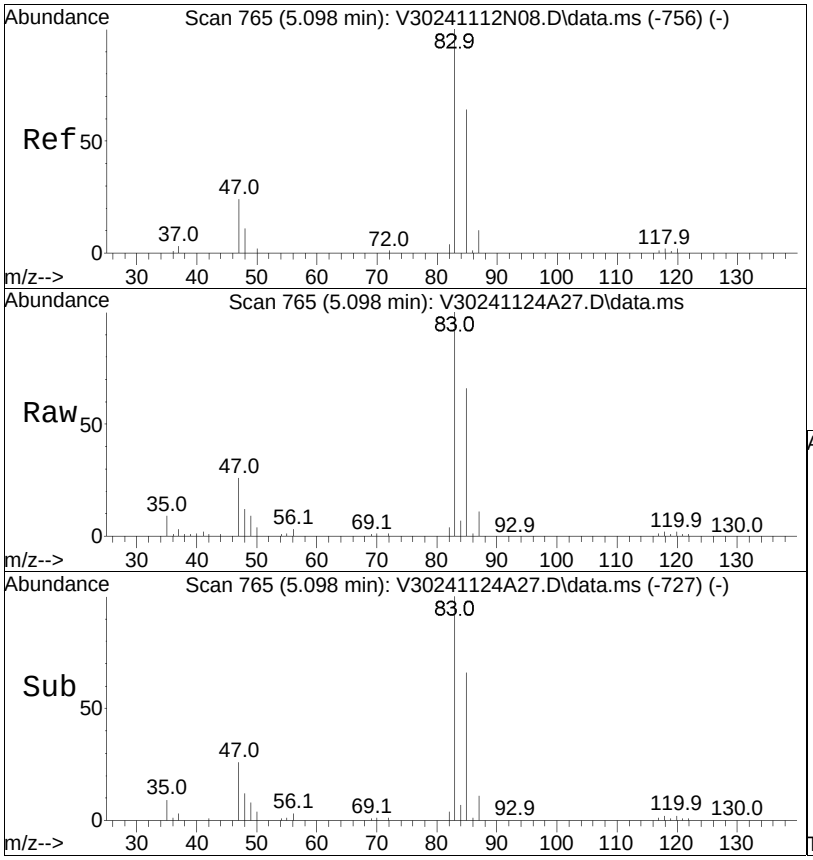


#34
Cyclohexane
Concen: 8.11 ug/L
RT: 5.035 min Scan# 753
Delta R.T. -0.006 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 56 Resp: 110970

Ion	Ratio	Lower	Upper
56	100		
84	86.9	49.9	103.5

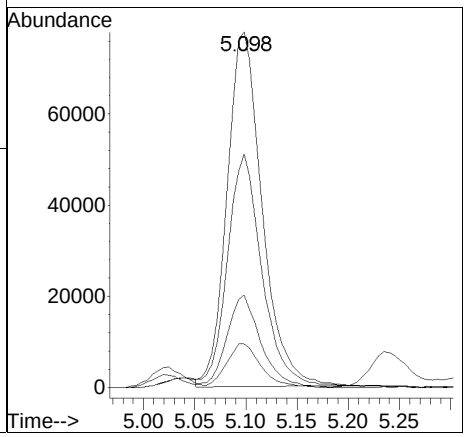


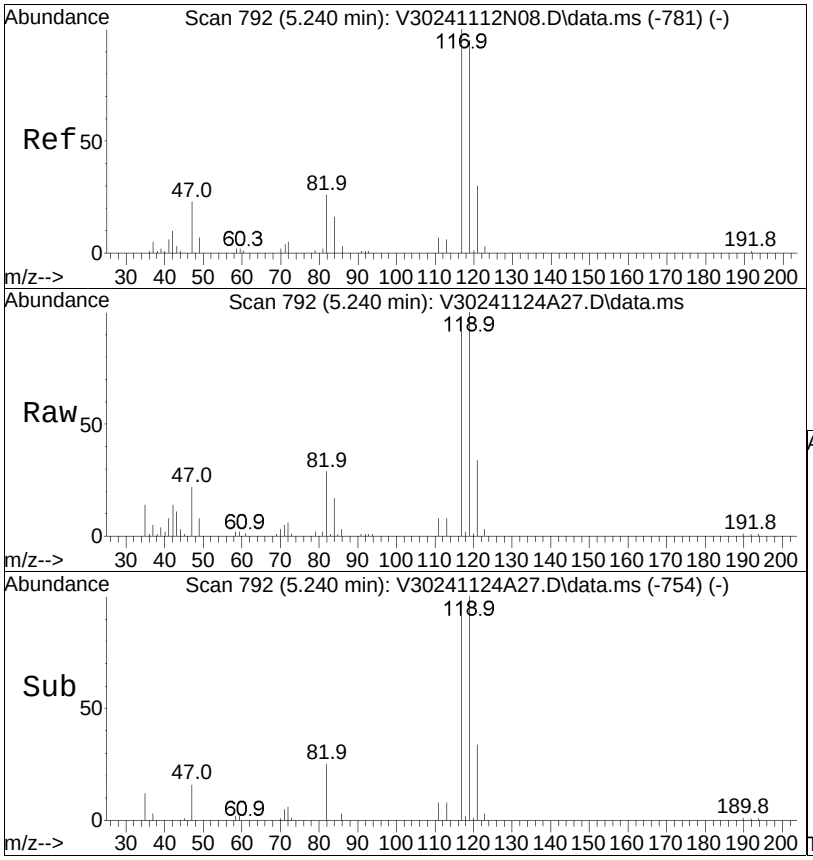


#35
Chloroform
Concen: 10.74 ug/L
RT: 5.098 min Scan# 765
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 83 Resp: 186131

Ion	Ratio	Lower	Upper
83	100		
85	64.4	41.4	86.0
47	25.1	20.5	42.5
48	12.0	9.9	20.5

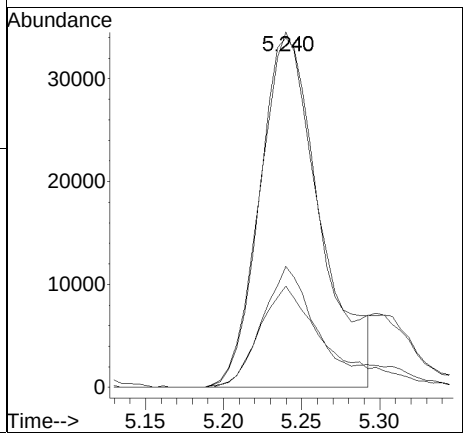


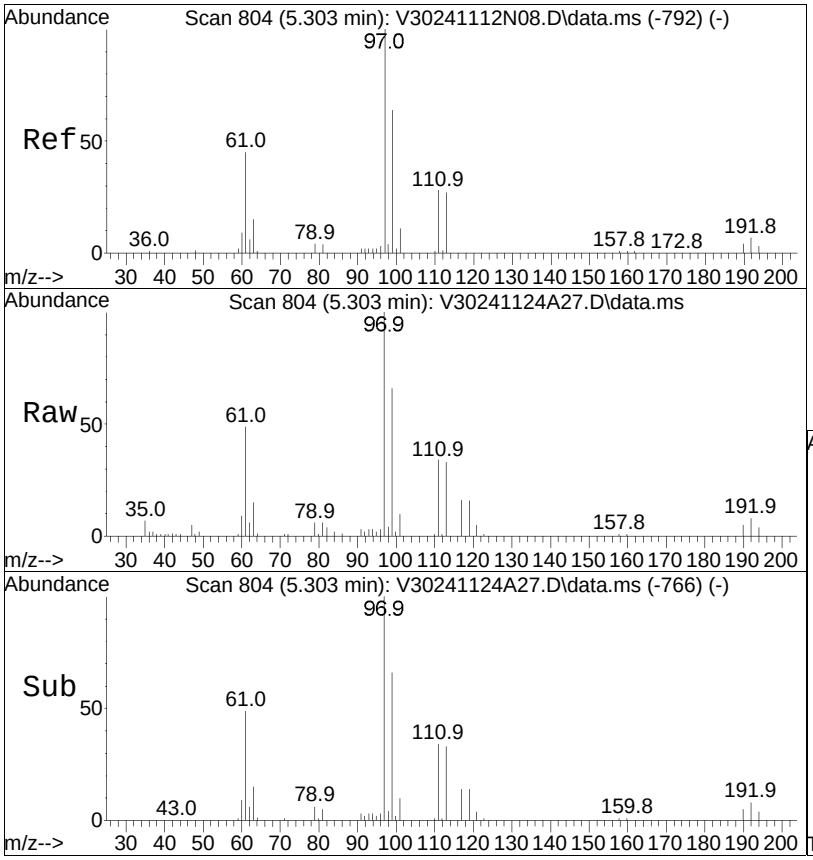


#37
Carbon tetrachloride
Concen: 9.21 ug/L
RT: 5.240 min Scan# 792
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:117 Resp: 93512

Ion	Ratio	Lower	Upper
117	100		
119	94.6	62.0	128.8
121	35.7	19.6	40.6
82	32.2	18.8	39.0

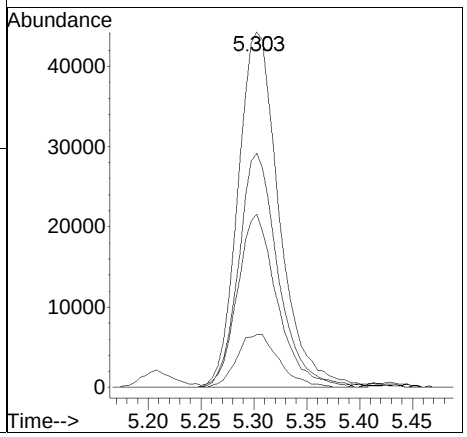


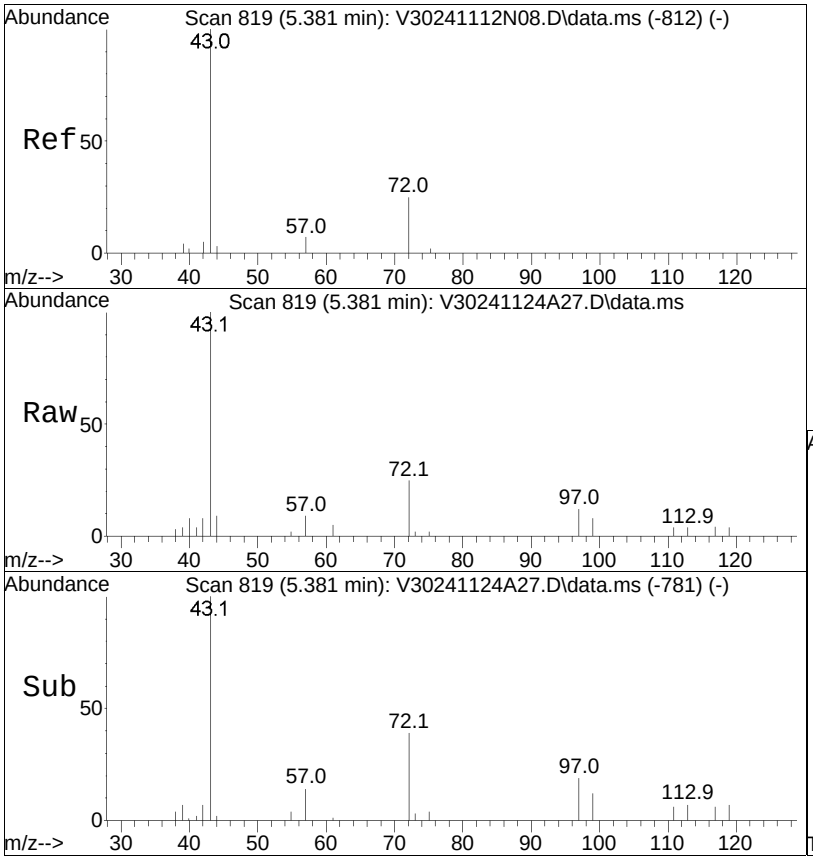


#40
1,1,1-Trichloroethane
Concen: 9.71 ug/L
RT: 5.303 min Scan# 804
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 97 Resp: 120303

Ion	Ratio	Lower	Upper
97	100		
99	63.5	40.6	84.4
61	47.4	35.0	72.8
63	15.4	11.1	23.0

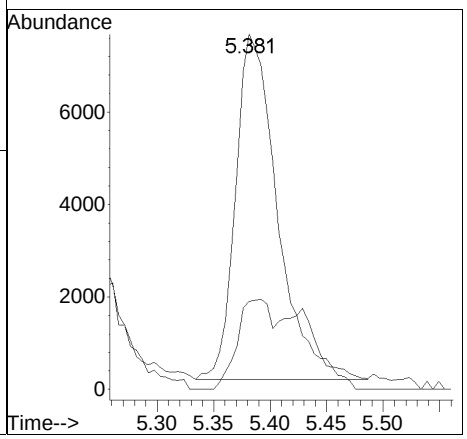


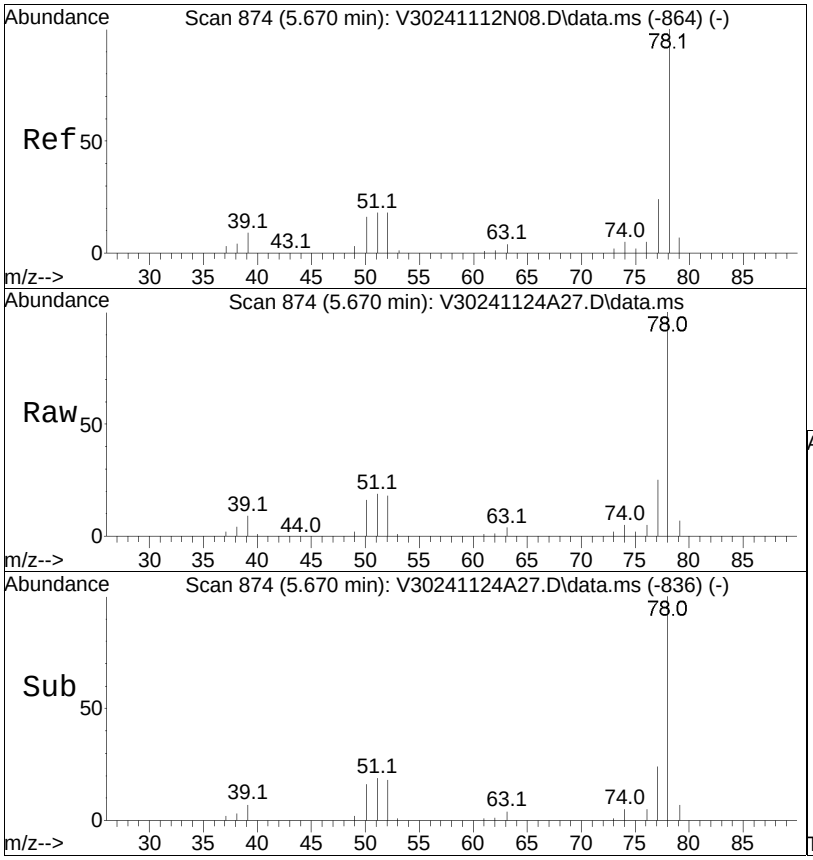


#42
2-Butanone
Concen: 10.14 ug/L
RT: 5.381 min Scan# 819
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 43 Resp: 19273

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.2	27.4

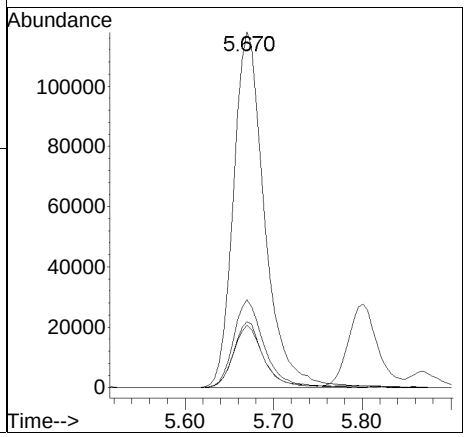


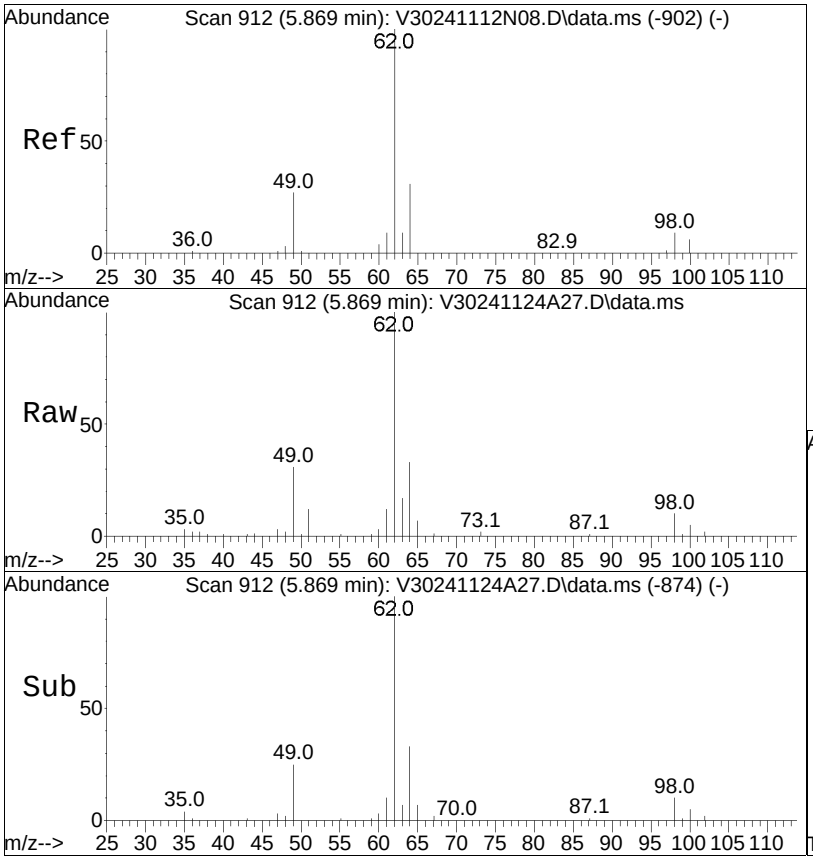


#45
Benzene
Concen: 9.53 ug/L
RT: 5.670 min Scan# 874
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 78 Resp: 287699

Ion	Ratio	Lower	Upper
78	100		
77	24.3	15.6	32.4
51	17.5	12.9	26.7
52	16.9	12.4	25.7

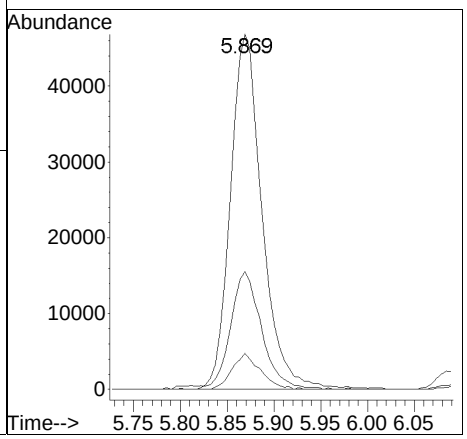


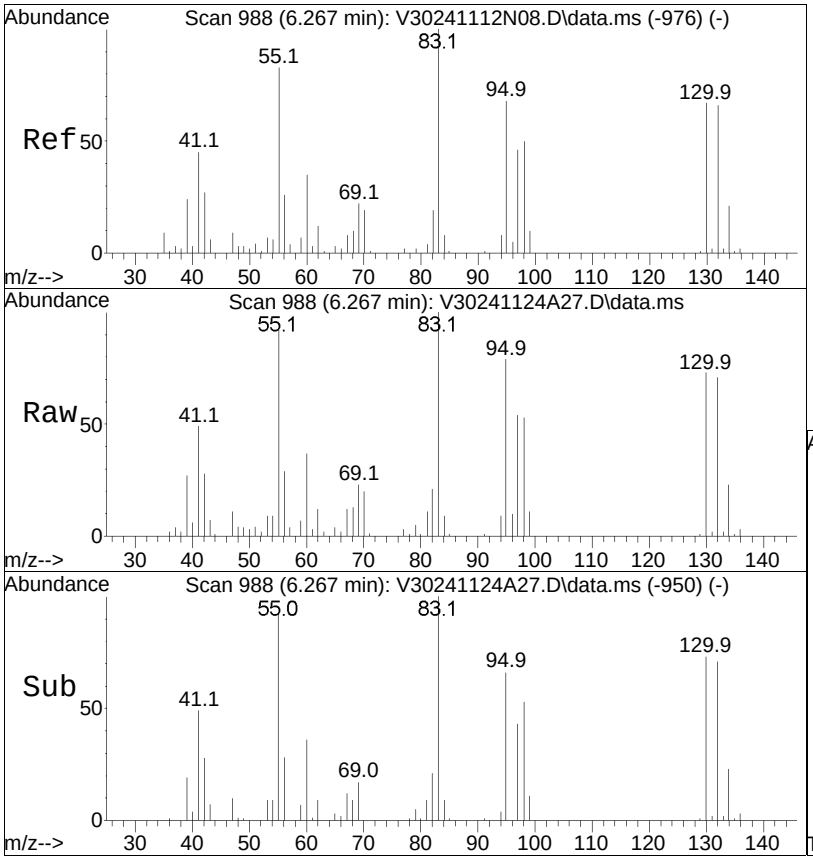


#48
1,2-Dichloroethane
Concen: 10.38 ug/L
RT: 5.869 min Scan# 912
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 62 Resp: 110585

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.5	38.3
98	9.1	5.5	8.3#

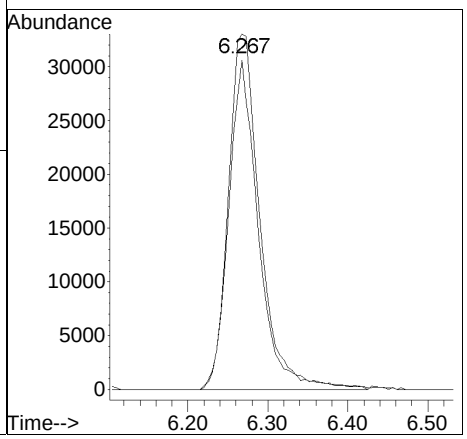


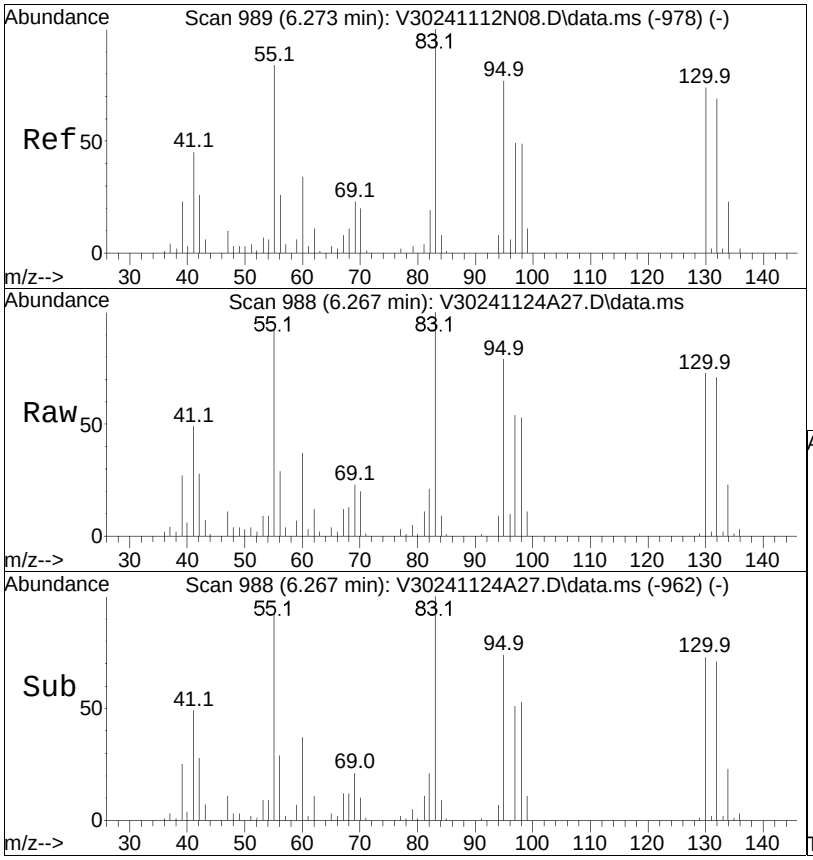


#51
Methyl cyclohexane
Concen: 8.49 ug/L
RT: 6.267 min Scan# 988
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 83 Resp: 91129

Ion	Ratio	Lower	Upper
83	100		
55	87.4	74.6	112.0

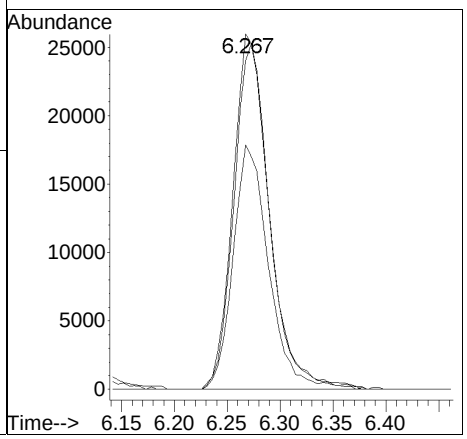


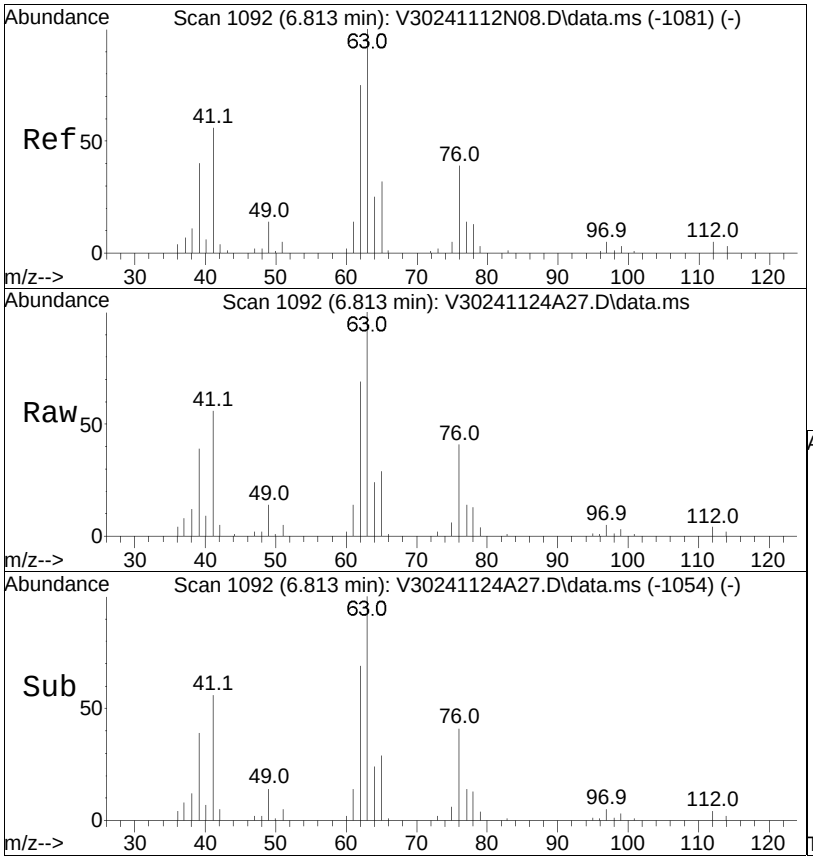


#52
Trichloroethene
Concen: 8.48 ug/L
RT: 6.267 min Scan# 988
Delta R.T. -0.006 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 95 Resp: 62341

Ion	Ratio	Lower	Upper
95	100		
97	67.3	53.8	80.6
130	95.4	71.4	107.0

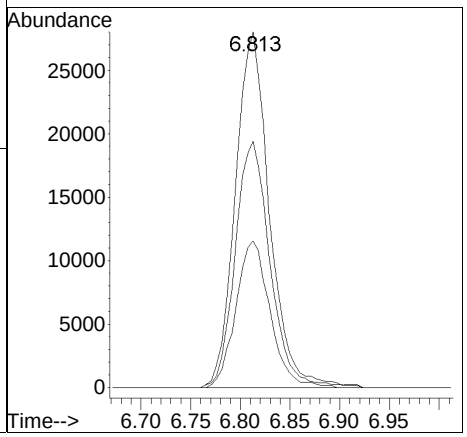


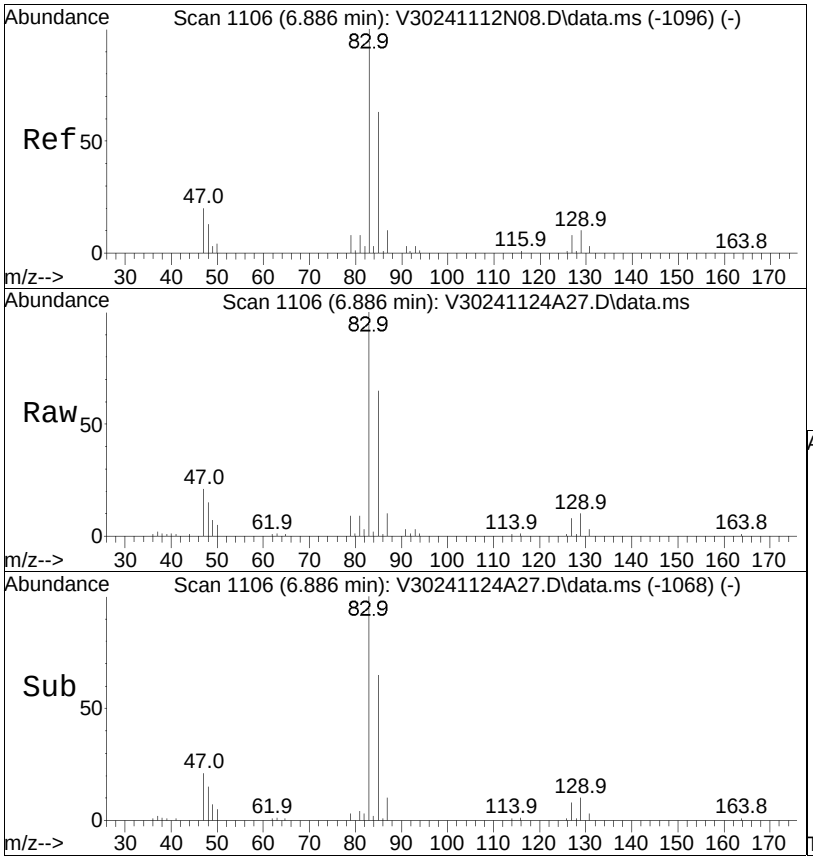


#55
1,2-Dichloropropane
Concen: 8.44 ug/L
RT: 6.813 min Scan# 1092
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 63 Resp: 66923

Ion	Ratio	Lower	Upper
63	100		
62	70.6	58.1	87.1
76	41.3	30.4	45.6

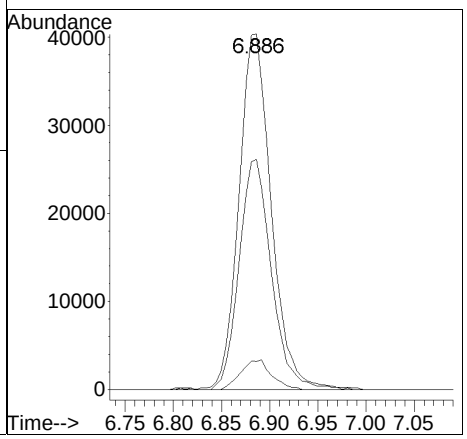


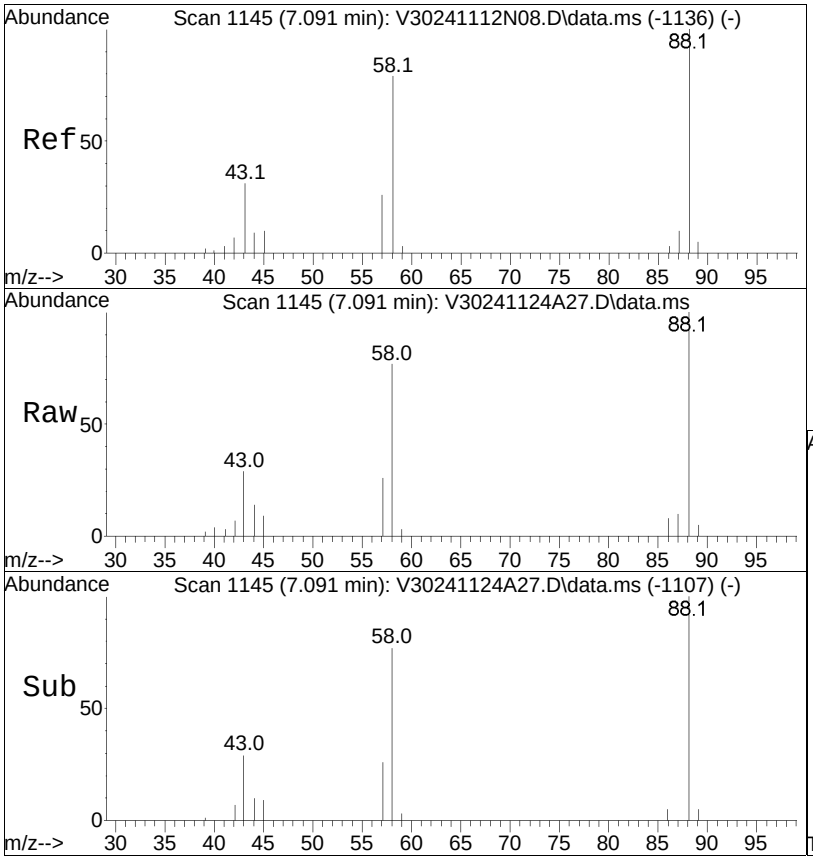


#58
Bromodichloromethane
Concen: 8.76 ug/L
RT: 6.886 min Scan# 1106
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 83 Resp: 94282

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.2
127	7.9	5.2	7.8#

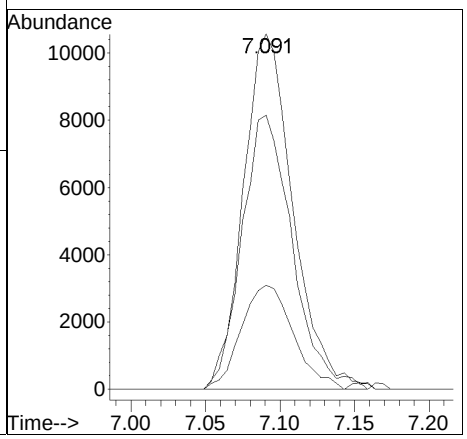


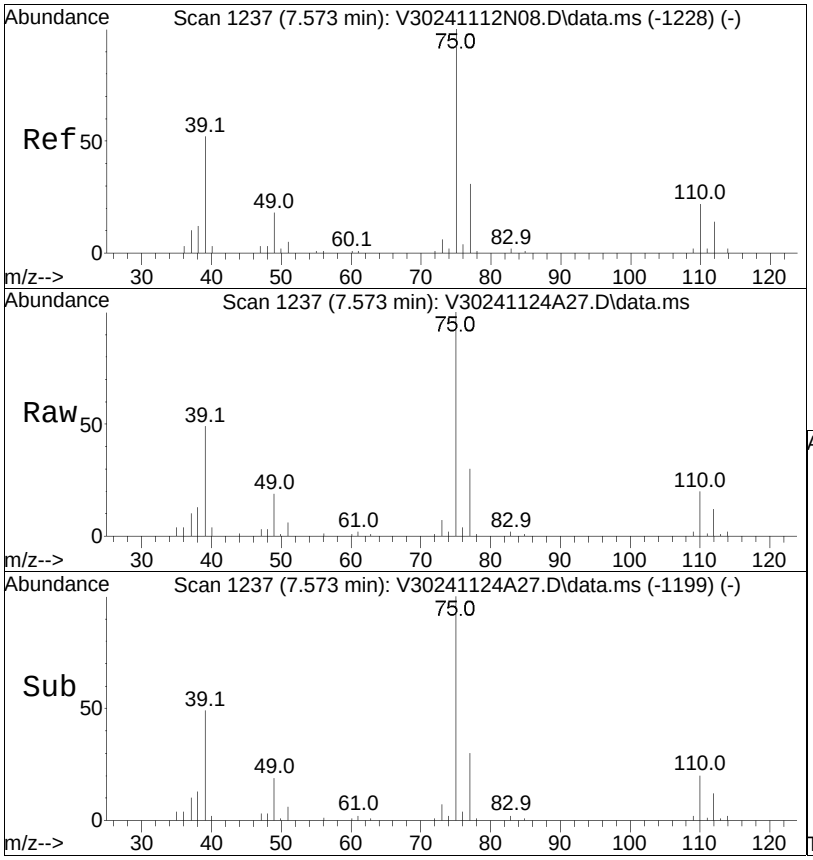


#61
1,4-Dioxane
Concen: 628.15 ug/L
RT: 7.091 min Scan# 1145
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 88 Resp: 24429

Ion	Ratio	Lower	Upper
88	100		
58	78.5	59.9	89.9
43	30.9	30.8	46.2

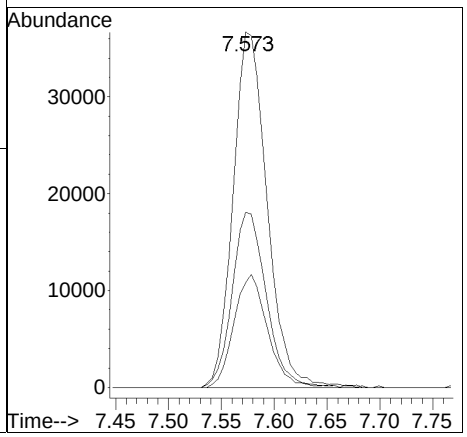


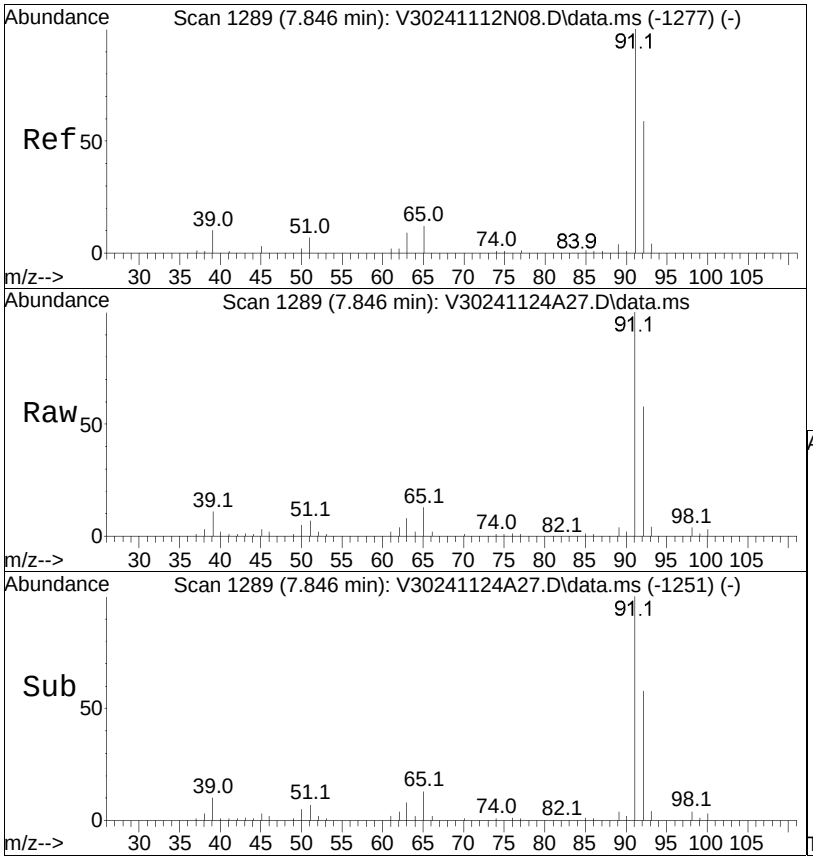


#62
cis-1,3-Dichloropropene
Concen: 7.44 ug/L
RT: 7.573 min Scan# 1237
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 75 Resp: 82077

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2
39	49.4	54.6	82.0#

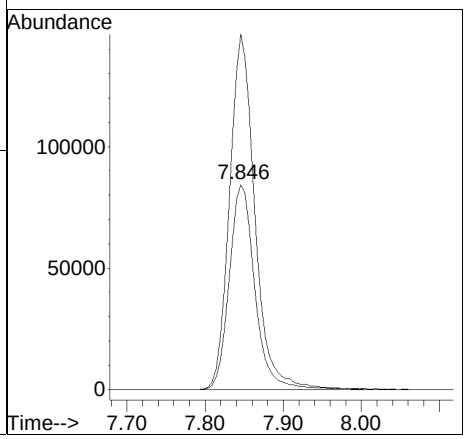


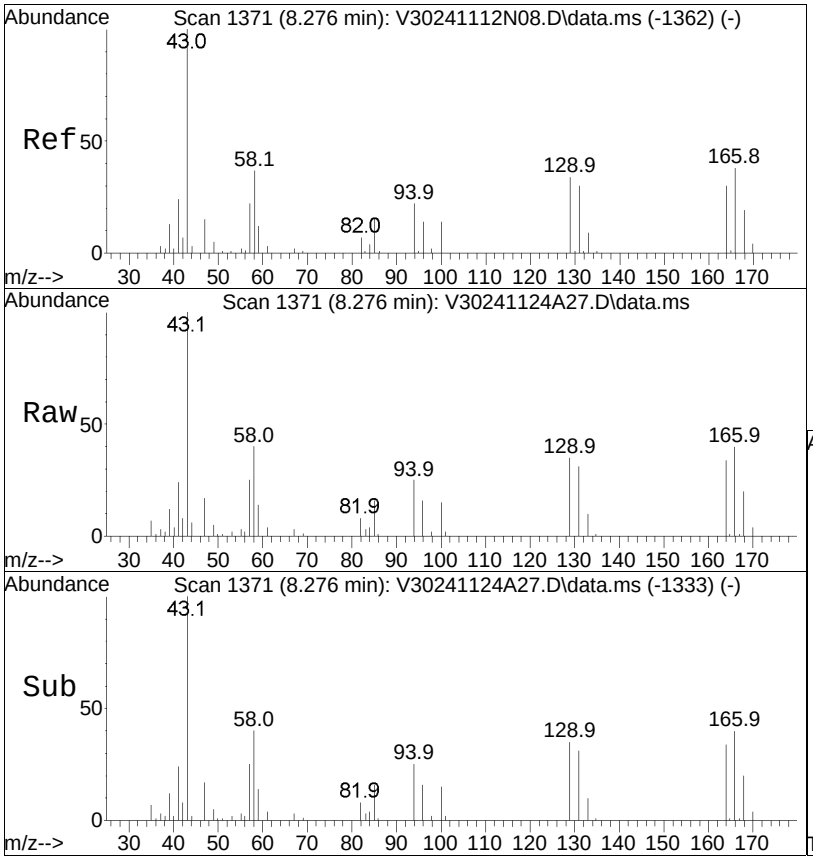


#65
Toluene
Concen: 9.48 ug/L
RT: 7.846 min Scan# 1289
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 92 Resp: 191975

Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.5	206.3

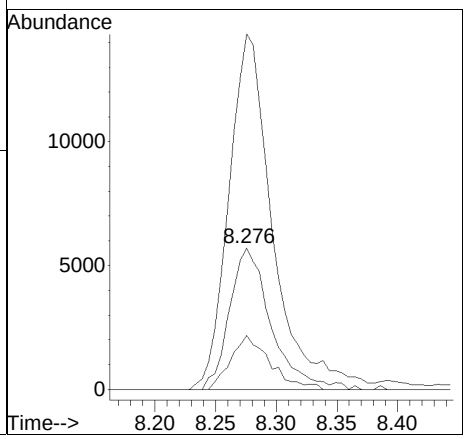


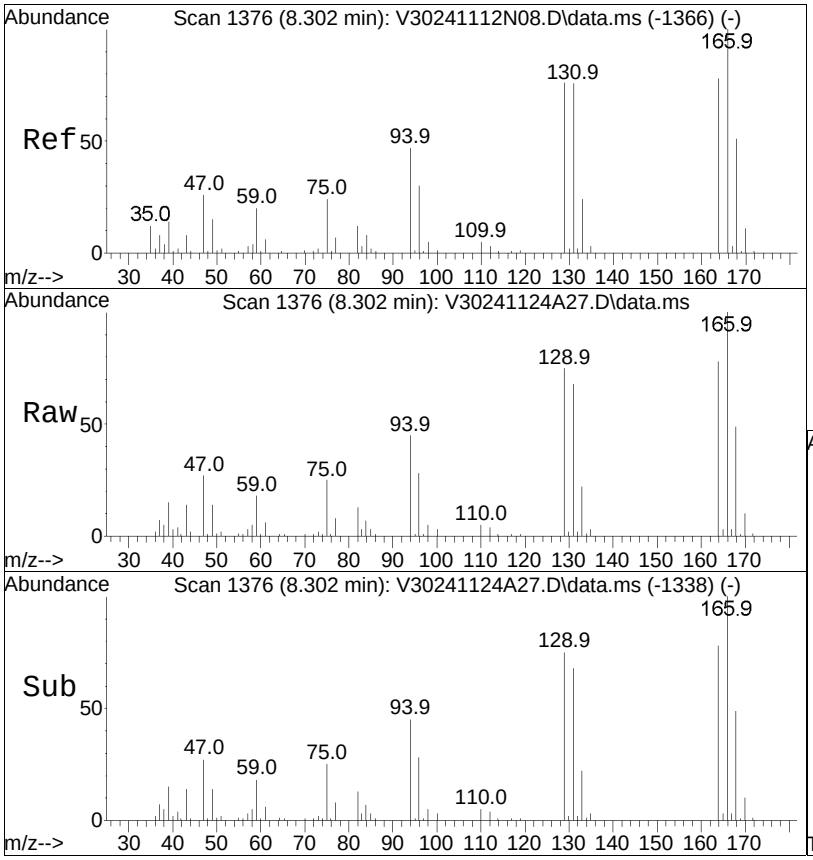


#66
4-Methyl-2-pentanone
Concen: 9.16 ug/L
RT: 8.276 min Scan# 1371
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 58 Resp: 13598

Ion	Ratio	Lower	Upper
58	100		
100	36.0	22.6	34.0#
43	265.8	234.6	351.8

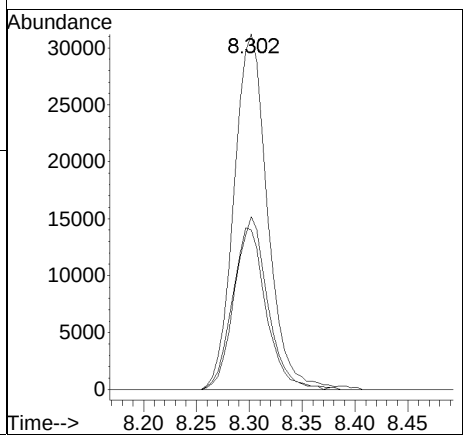


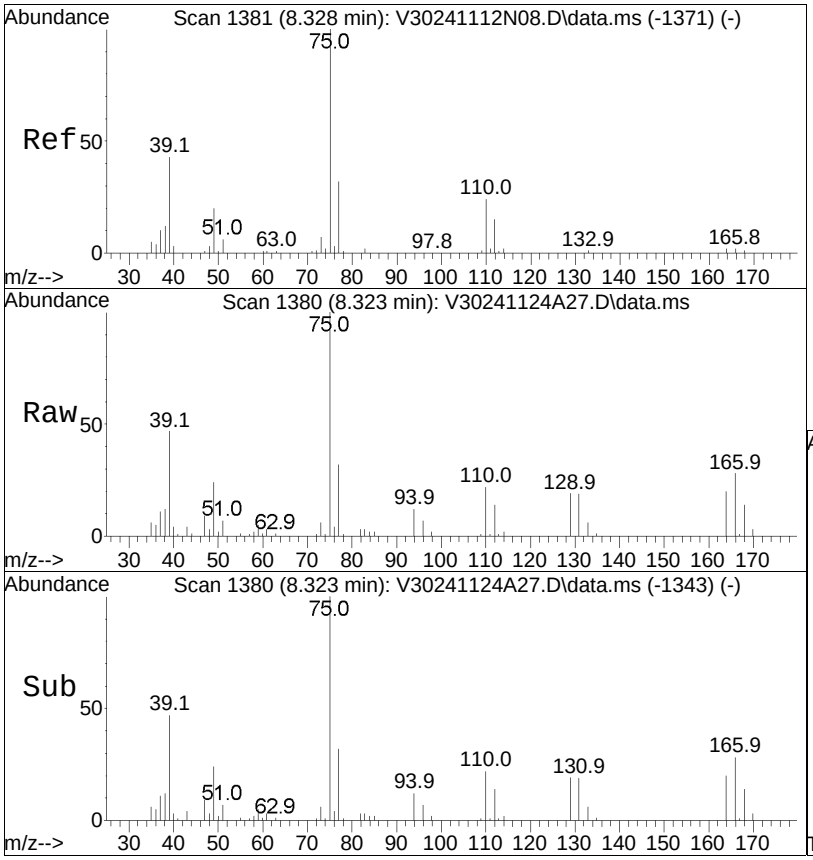


#67
Tetrachloroethene
Concen: 9.41 ug/L
RT: 8.302 min Scan# 1376
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:166 Resp: 69083

Ion	Ratio	Lower	Upper
166	100		
168	47.6	38.6	58.0
94	45.9	42.6	63.8

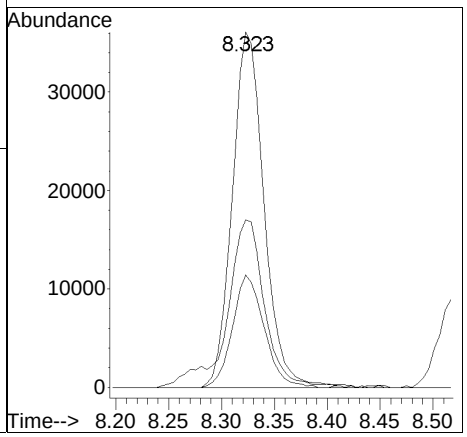


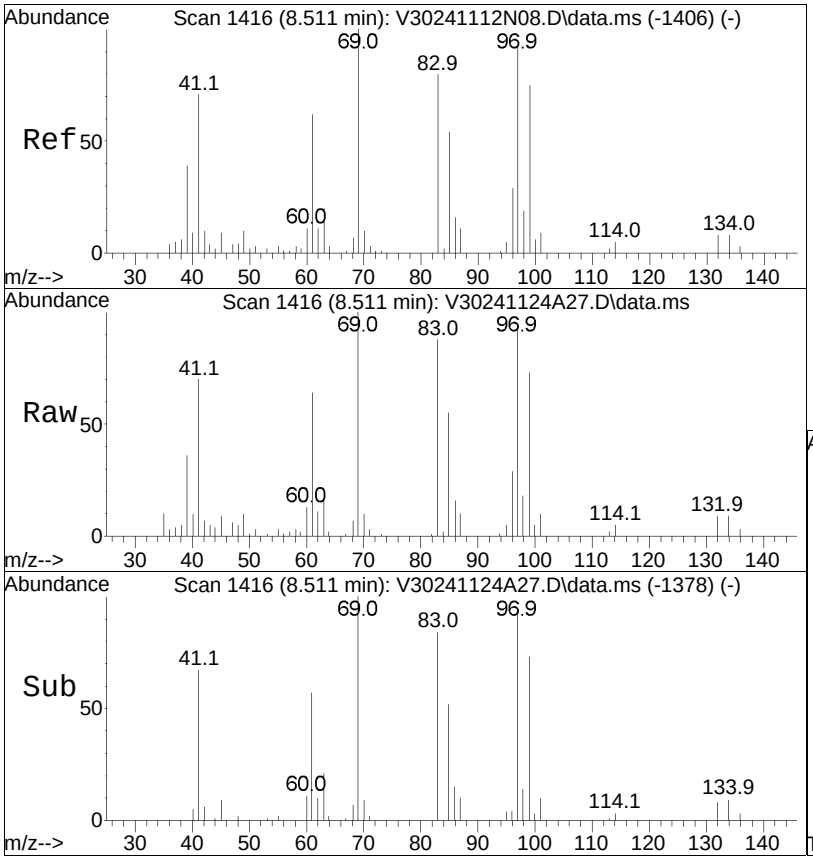


#69
trans-1,3-Dichloropropene
Concen: 8.02 ug/L
RT: 8.323 min Scan# 1380
Delta R.T. -0.005 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 75 Resp: 75466

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	55.1	60.2	90.4#

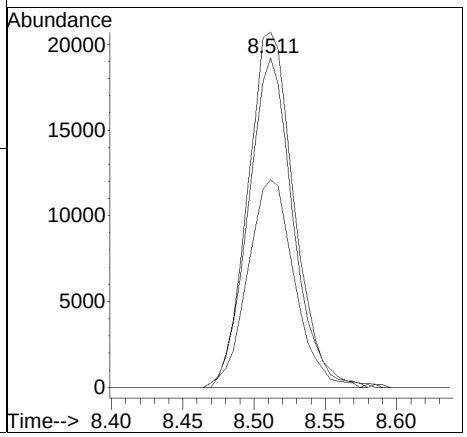


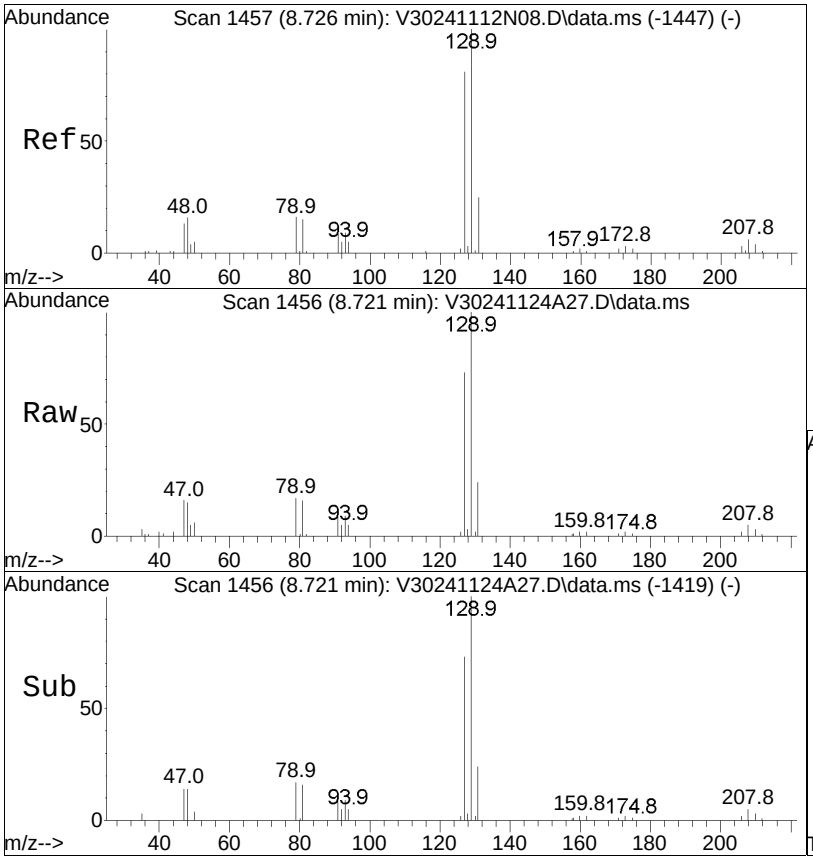


#72
1,1,2-Trichloroethane
Concen: 9.30 ug/L
RT: 8.511 min Scan# 1416
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 83 Resp: 41904

Ion	Ratio	Lower	Upper
83	100		
97	112.2	87.7	131.5
85	65.6	53.1	79.7

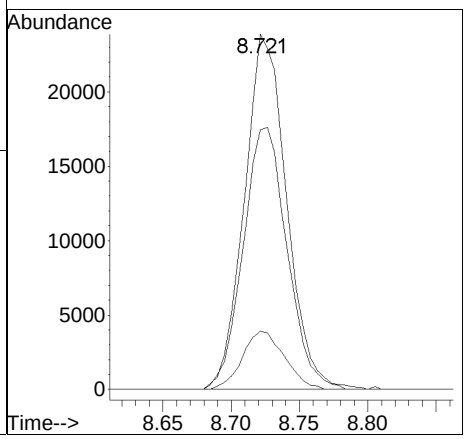


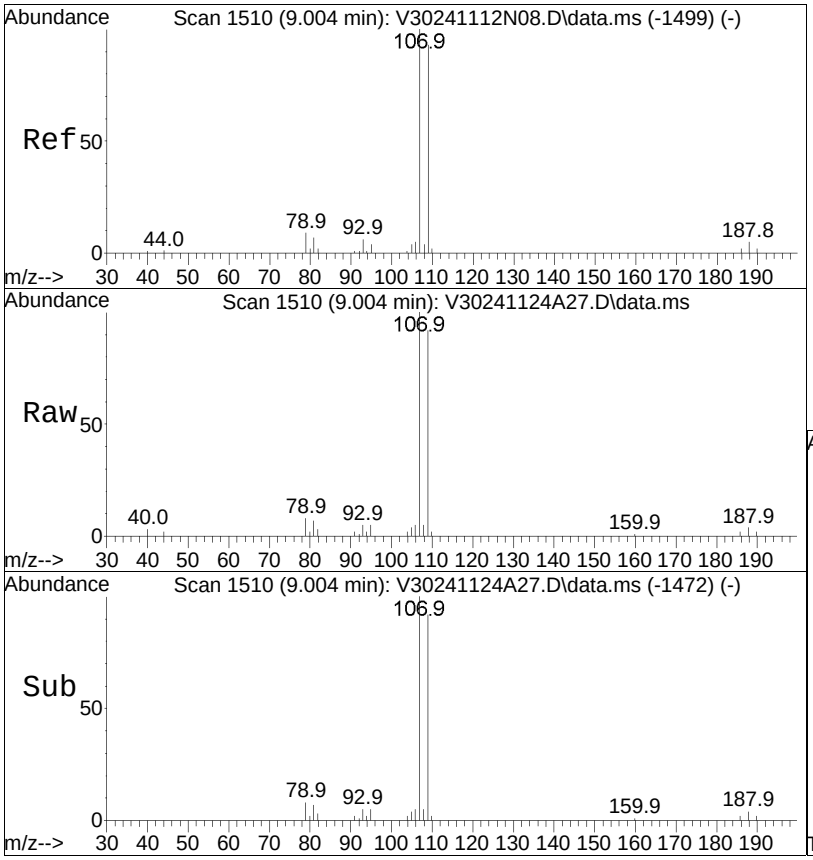


#73
Chlorodibromomethane
Concen: 8.27 ug/L
RT: 8.721 min Scan# 1456
Delta R.T. -0.005 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:129 Resp: 51345

Ion	Ratio	Lower	Upper
129	100		
81	16.4	14.6	22.0
127	76.7	62.6	93.8

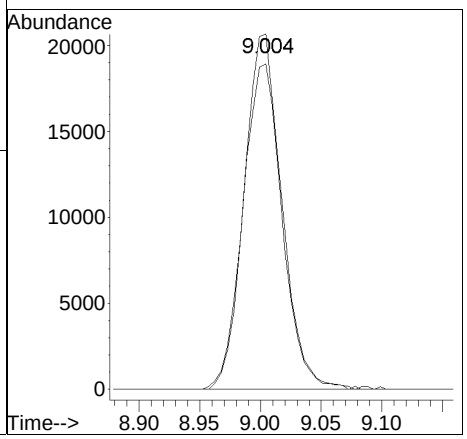


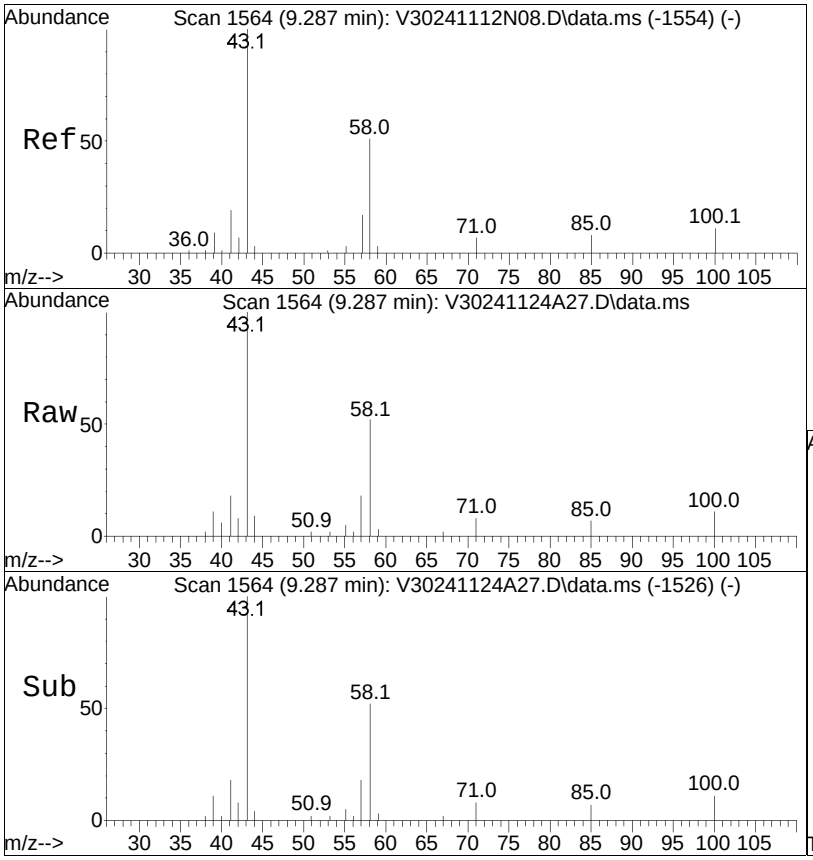


#75
1,2-Dibromoethane
Concen: 9.43 ug/L
RT: 9.004 min Scan# 1510
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:107 Resp: 45170

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.0	112.4

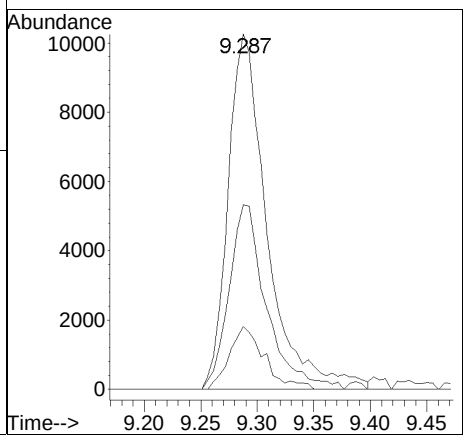


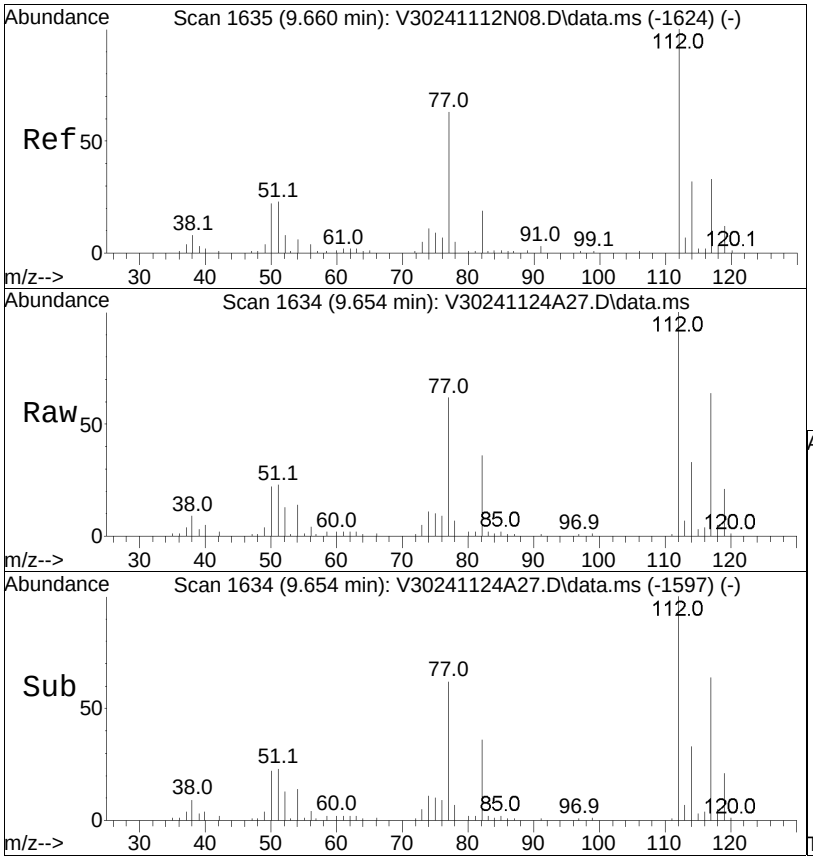


#77
2-Hexanone
Concen: 9.07 ug/L
RT: 9.287 min Scan# 1564
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 43 Resp: 24700

Ion	Ratio	Lower	Upper
43	100		
58	49.7	38.6	58.0
57	15.9	14.1	21.1

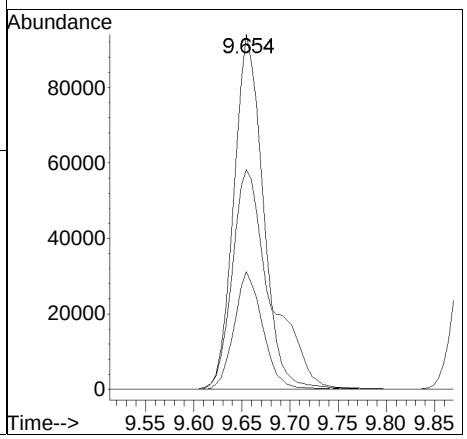


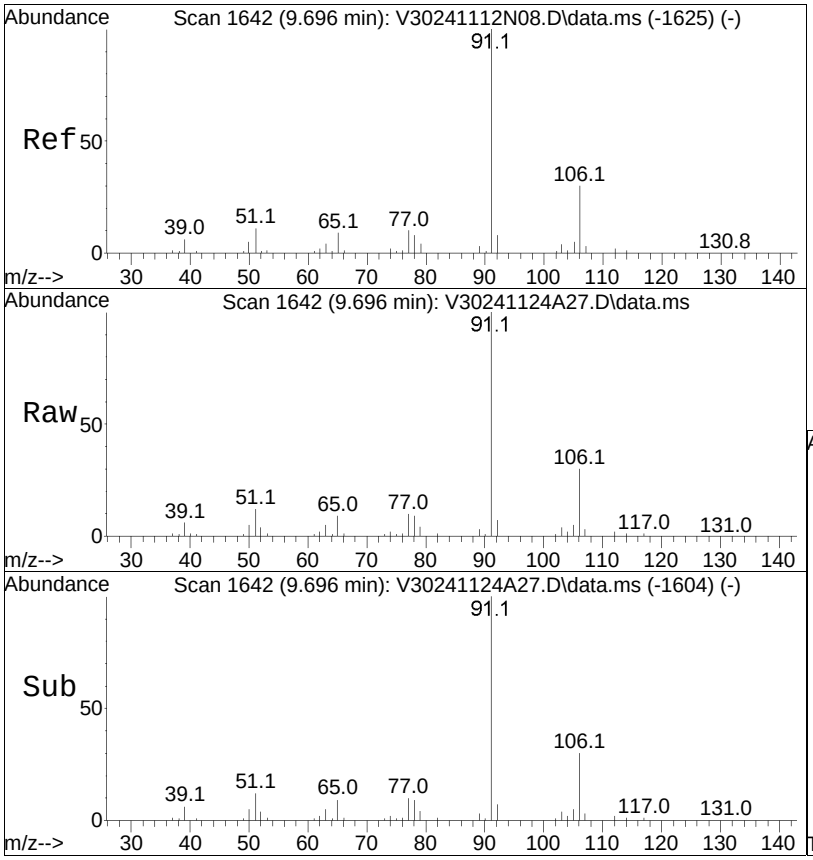


#78
Chlorobenzene
Concen: 9.23 ug/L
RT: 9.654 min Scan# 1634
Delta R.T. -0.006 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:112 Resp: 199224

Ion	Ratio	Lower	Upper
112	100		
77	82.0	54.8	82.2
114	32.5	25.4	38.0

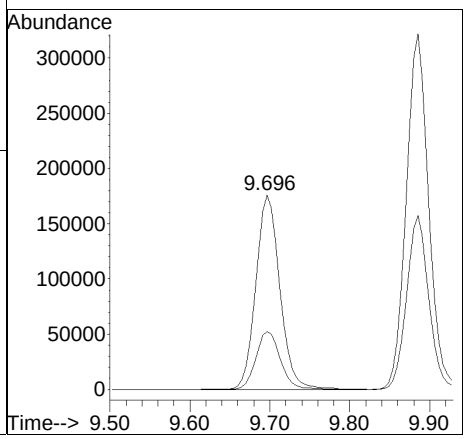


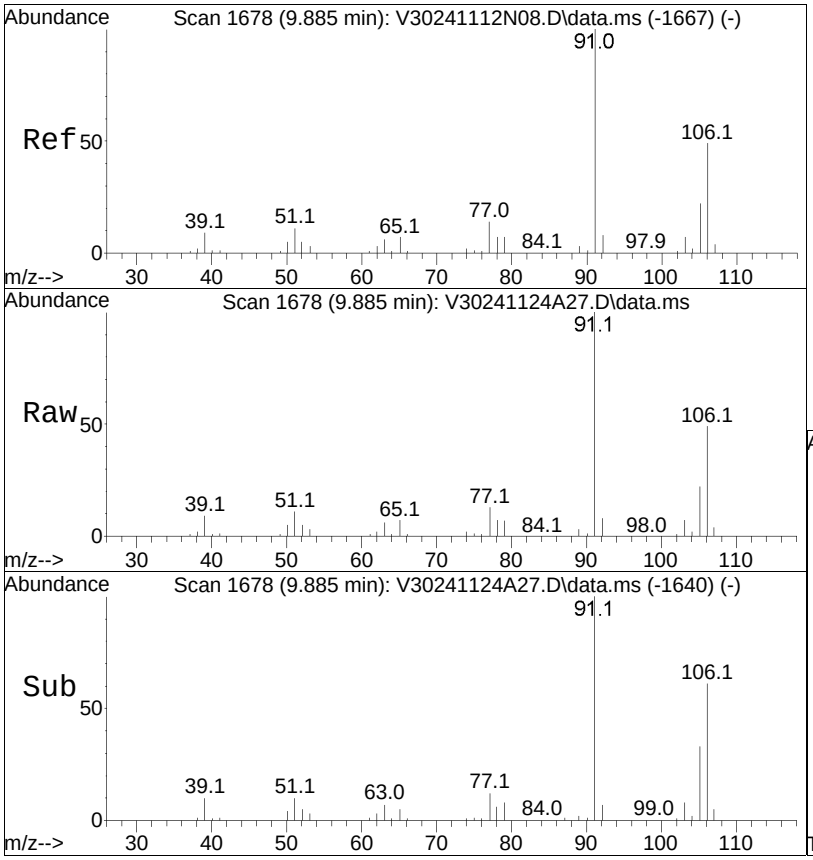


#79
Ethylbenzene
Concen: 9.24 ug/L
RT: 9.696 min Scan# 1642
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 91 Resp: 368076

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.4	35.2

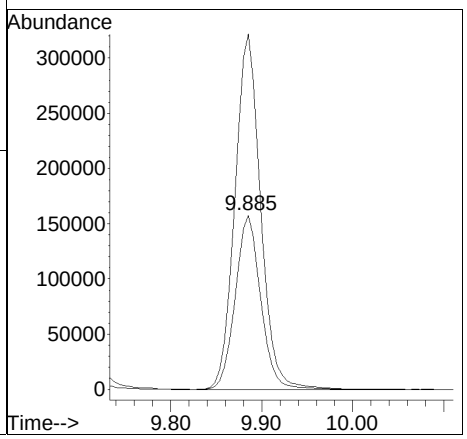


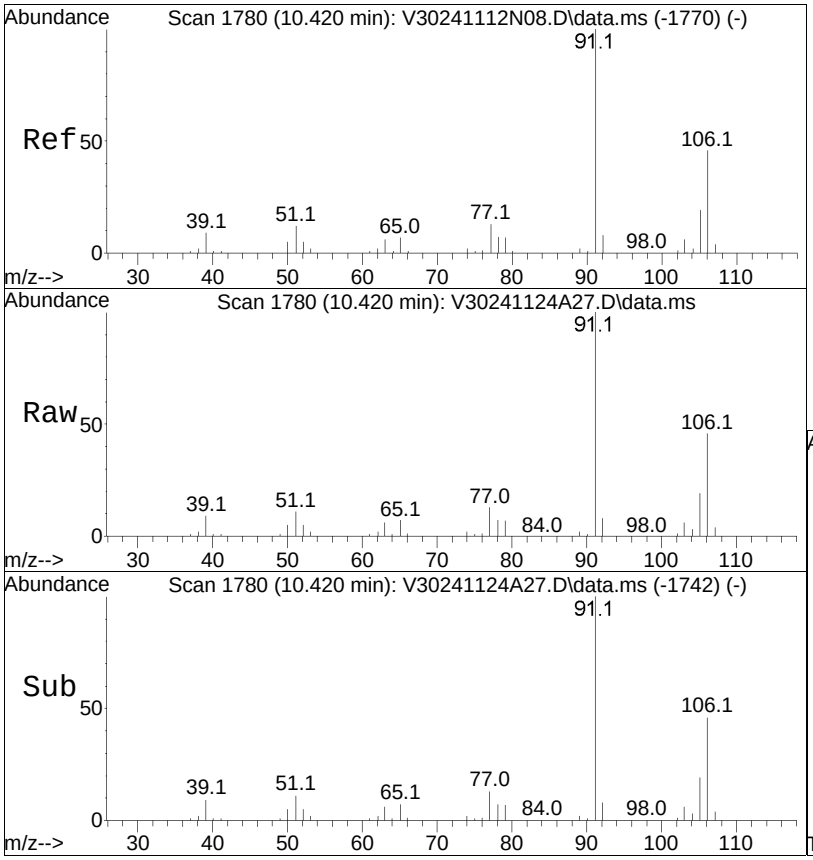


#81
p/m Xylene
Concen: 19.09 ug/L
RT: 9.885 min Scan# 1678
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:106 Resp: 306000

Ion	Ratio	Lower	Upper
106	100		
91	206.1	171.4	257.2

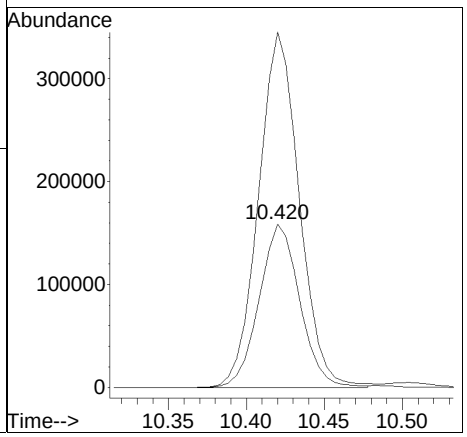


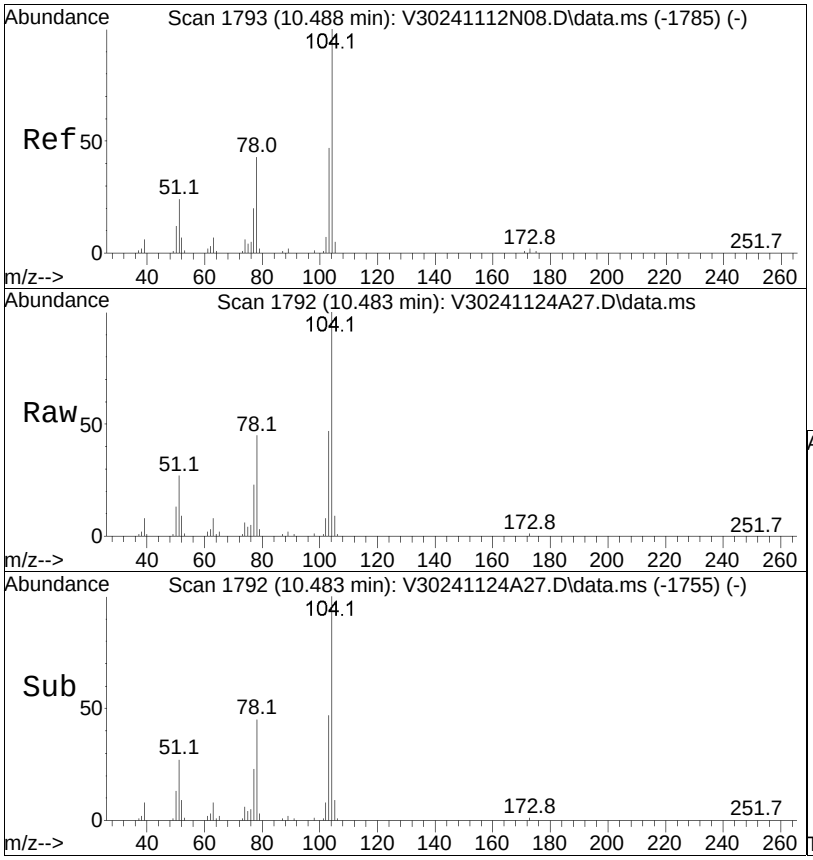


#82
o Xylene
Concen: 18.57 ug/L
RT: 10.420 min Scan# 1780
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:106 Resp: 286276

Ion	Ratio	Lower	Upper
106	100		
91	218.9	179.2	268.8

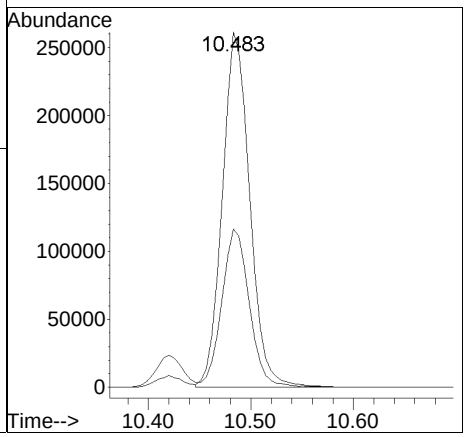


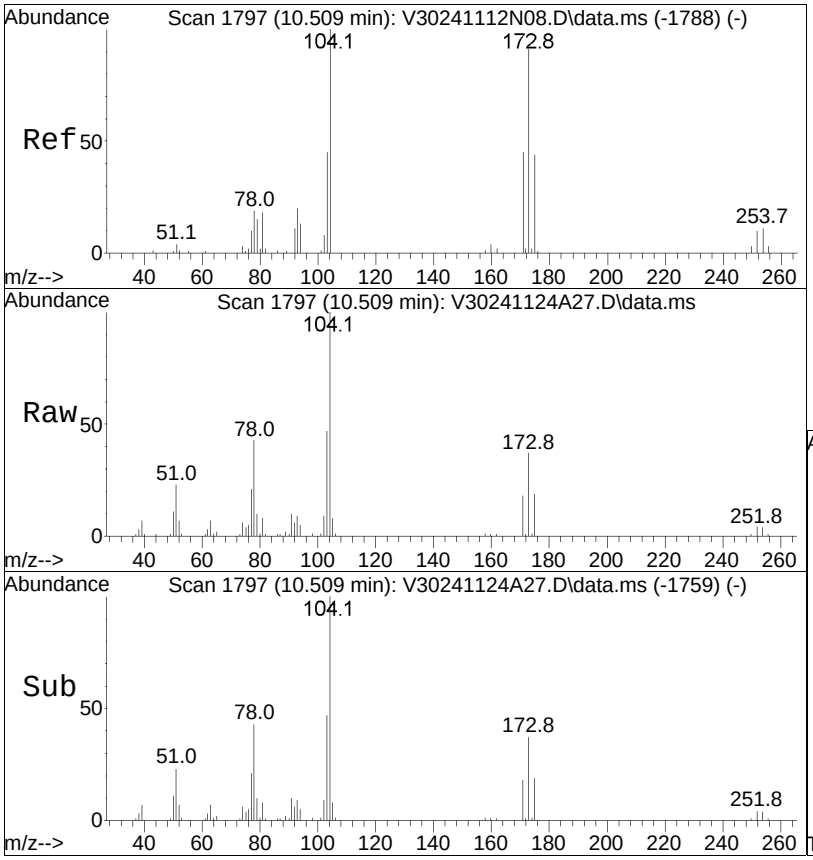


#83
Styrene
Concen: 19.18 ug/L
RT: 10.483 min Scan# 1792
Delta R.T. -0.005 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:104 Resp: 486086

Ion	Ratio	Lower	Upper
104	100		
78	45.1	38.1	57.1

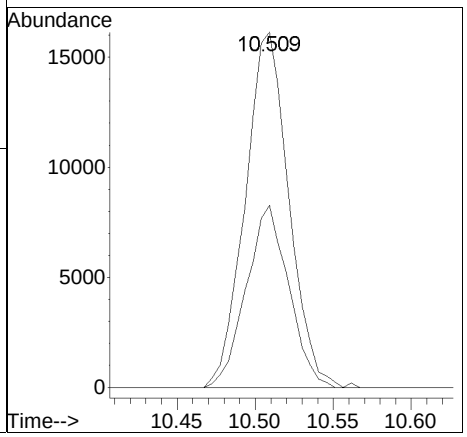


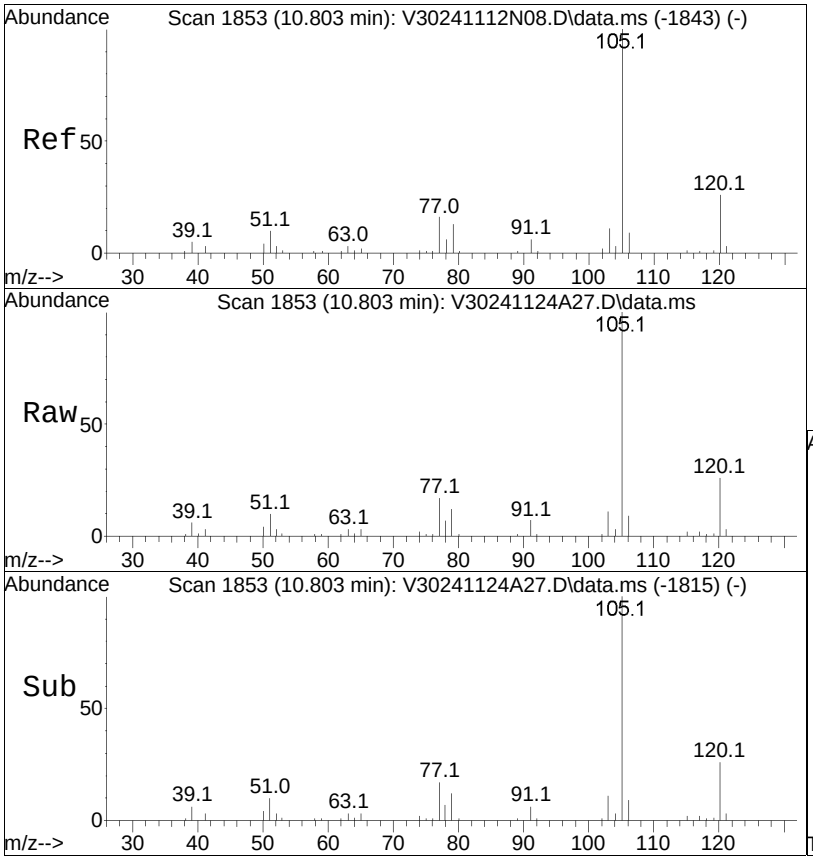


#85
Bromoform
Concen: 8.16 ug/L
RT: 10.509 min Scan# 1797
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:173 Resp: 31385

Ion	Ratio	Lower	Upper
173	100		
175	49.8	37.8	56.6

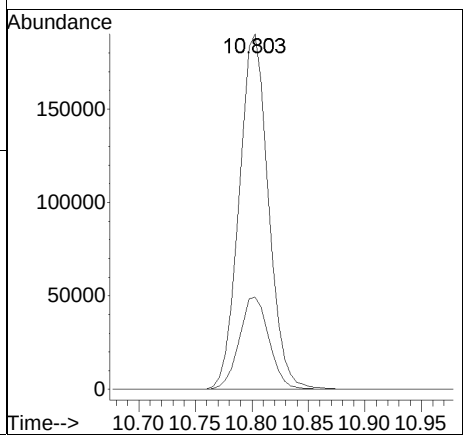


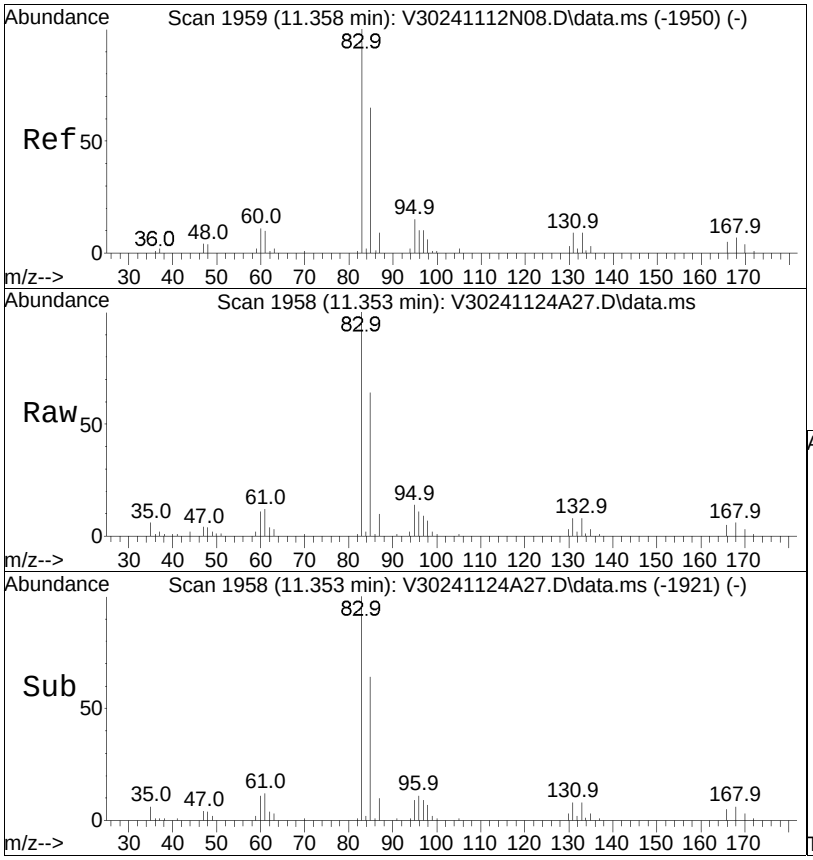


#87
Isopropylbenzene
Concen: 8.36 ug/L
RT: 10.803 min Scan# 1853
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:105 Resp: 343244

Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.0	30.0

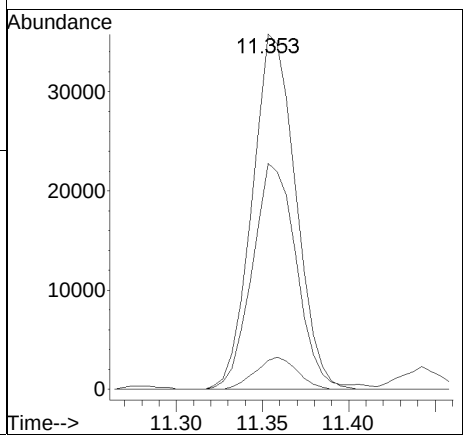


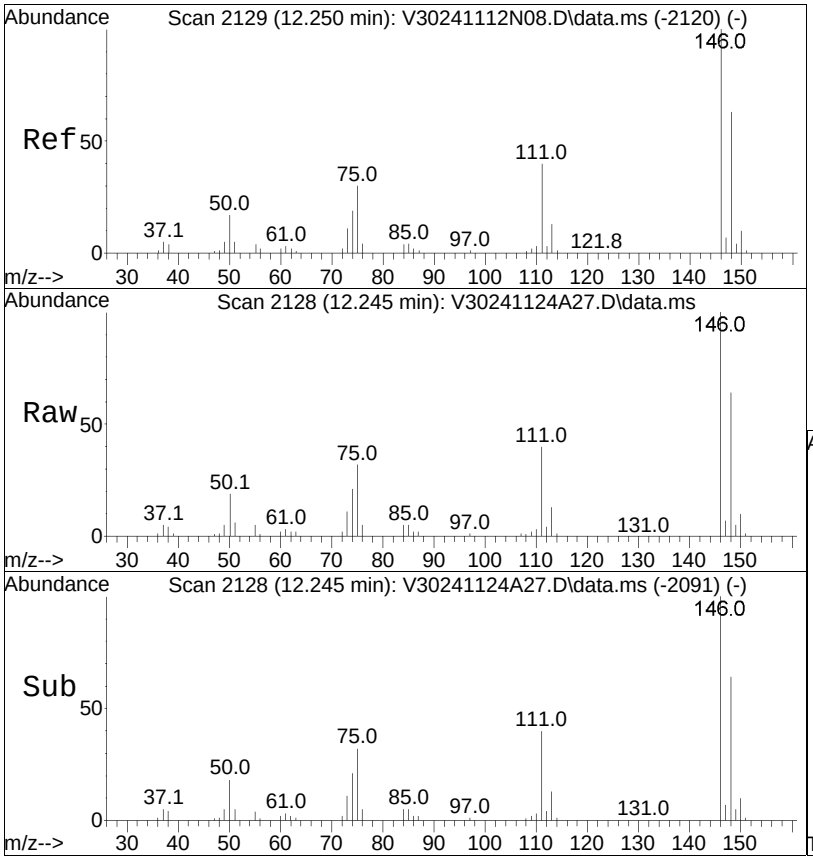


#92
1,1,2,2-Tetrachloroethane
Concen: 9.75 ug/L
RT: 11.353 min Scan# 1958
Delta R.T. -0.005 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion: 83 Resp: 62724

Ion	Ratio	Lower	Upper
83	100		
131	8.8	6.6	10.0
85	65.2	51.8	77.6

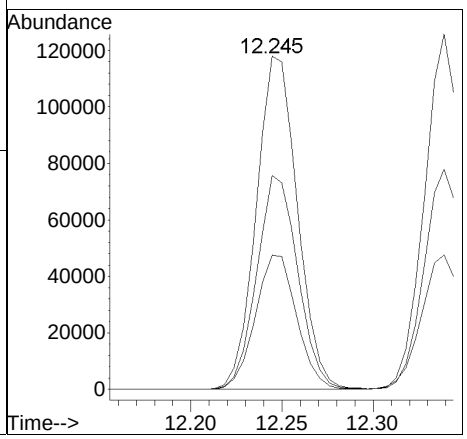


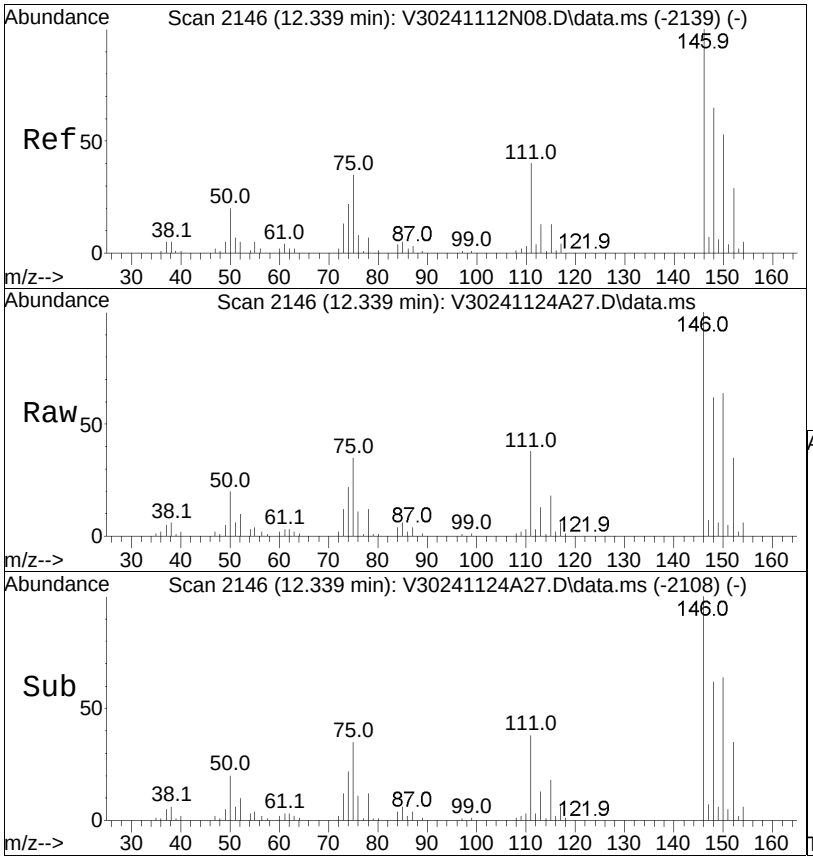


#105
1,3-Dichlorobenzene
Concen: 8.88 ug/L
RT: 12.245 min Scan# 2128
Delta R.T. -0.005 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:146 Resp: 185303

Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.0	58.1
148	64.1	40.8	84.6

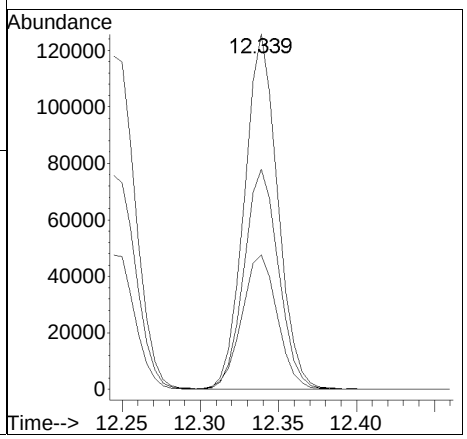


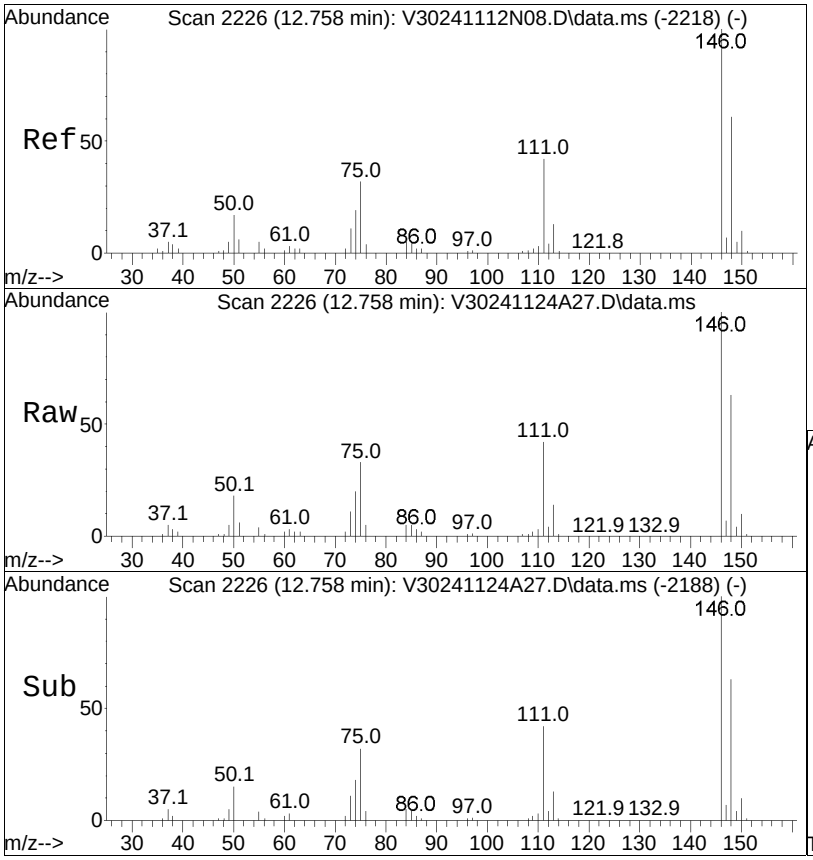


#106
1,4-Dichlorobenzene
Concen: 8.80 ug/L
RT: 12.339 min Scan# 2146
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:146 Resp: 187633

Ion	Ratio	Lower	Upper
146	100		
111	40.4	33.7	50.5
148	64.2	50.8	76.2

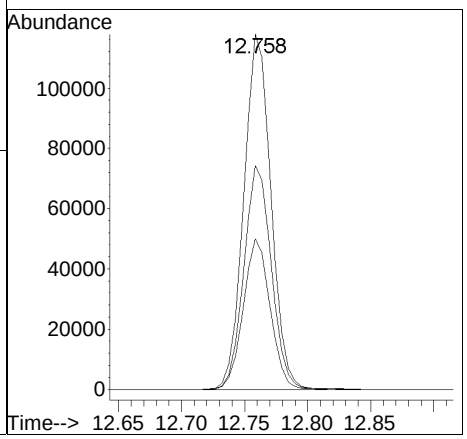


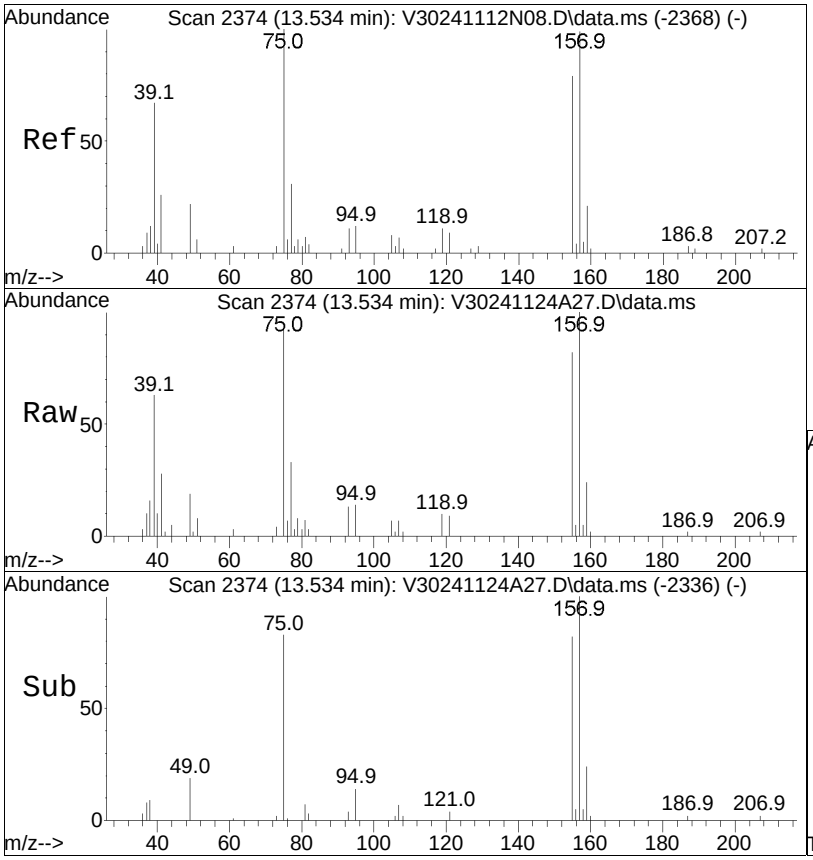


#109
1,2-Dichlorobenzene
Concen: 8.94 ug/L
RT: 12.758 min Scan# 2226
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:146 Resp: 176859

Ion	Ratio	Lower	Upper
146	100		
111	41.9	29.5	61.3
148	63.5	41.3	85.9

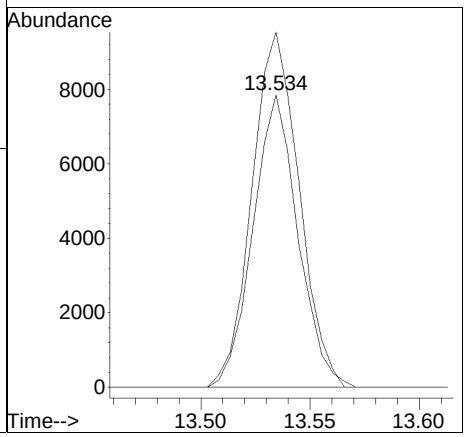


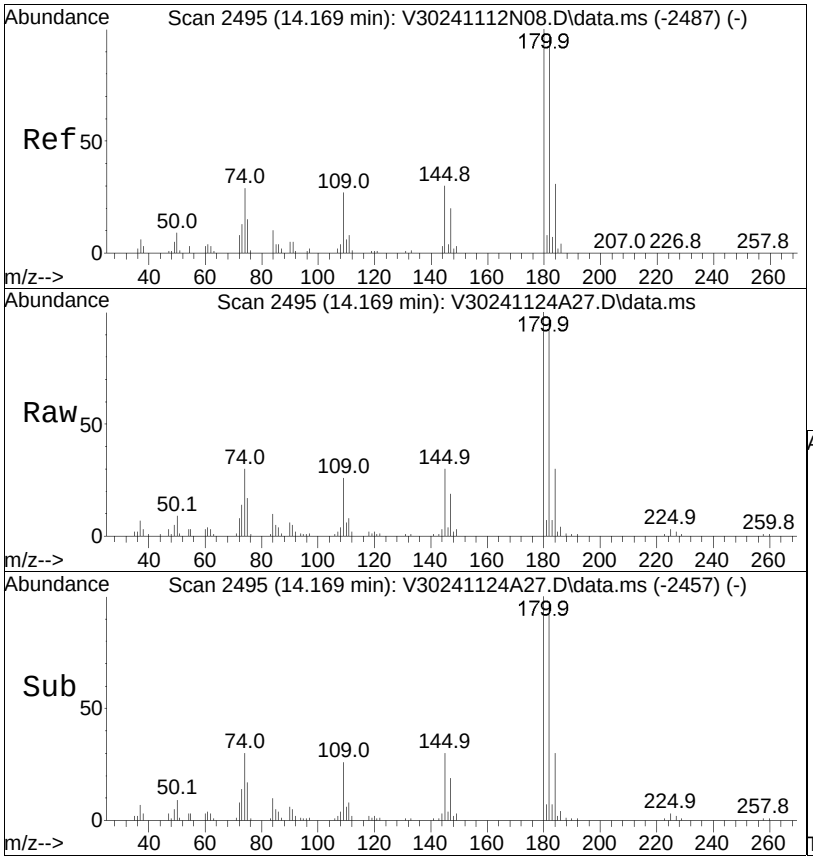


#111
1,2-Dibromo-3-chloropropane
Concen: 10.48 ug/L
RT: 13.534 min Scan# 2374
Delta R.T. 0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:155 Resp: 11229

Ion	Ratio	Lower	Upper
155	100		
157	127.2	105.1	157.7

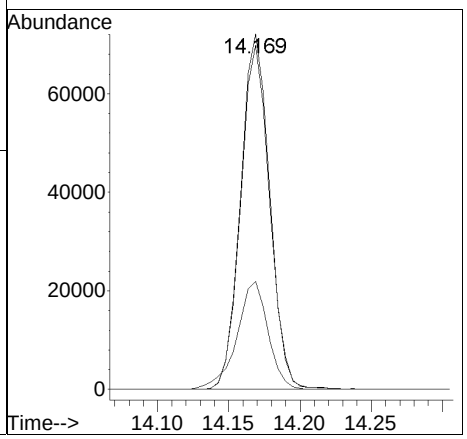


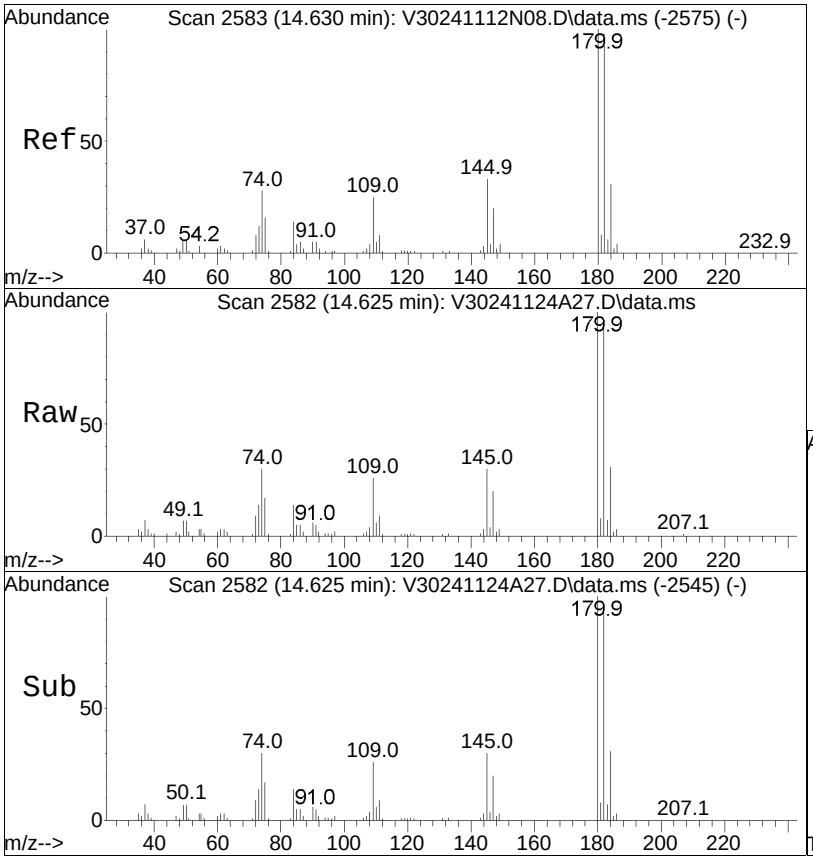


#114
1,2,4-Trichlorobenzene
Concen: 7.93 ug/L
RT: 14.169 min Scan# 2495
Delta R.T. -0.000 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:180 Resp: 102665

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.7	113.5
145	32.5	27.4	41.2

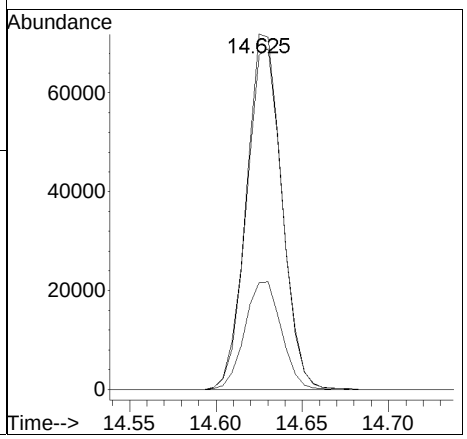




#116
1,2,3-Trichlorobenzene
Concen: 8.56 ug/L
RT: 14.625 min Scan# 2582
Delta R.T. -0.005 min
Lab File: V30241124A27.D
Acq: 24 Nov 2024 07:38 pm

Tgt Ion:180 Resp: 103119

Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.9	112.3
145	31.1	26.0	39.0



Manual Integration Report

Data Path	: K:\VOA130\2024\241124A\	QMethod	: V130_241112N_8260D.m
Data File	: V30241124A27.D	Operator	: VOA130:PID
Date Inj'd	: 11/24/2024 7:38 pm	Instrument	: VOA130
Sample	: WG2001917-7,31,10,10,,A2	Quant Date	: 11/25/2024 7:36 am

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)

Nov 26 2024, 01:54 pm

Work Group: WG2001917 for Department: 31 GC/MS - Volatiles

Created: 25-NOV-24 Due: Operator: PID

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467934-01	MW-1S	S	NYTCL-8260-R2	WATER	DONE	U	1202	1126	S0	Vial-B
L2467934-02	MW-2S	S	NYTCL-8260-R2	WATER	DONE	U	1202	1126	S0	Vial-B
L2467934-03	MW-3S	S	NYTCL-8260-R2	WATER	DONE	U	1202	1126	S0	Vial-B
L2467934-04	MW-4D	S	NYTCL-8260-R2	WATER	DONE	U	1203	1126	S0	Vial-B
L2467934-05	MW-5S	S	NYTCL-8260-R2	WATER	DONE	U	1203	1126	S0	Vial-B
L2467934-06	MW-6D	S	NYTCL-8260-R2	WATER	DONE	U	1202	1126	S0	Vial-B
L2467934-07	MW-7S	S	NYTCL-8260-R2	WATER	DONE	U	1202	1126	S0	Vial-B
L2467934-08	MW-8S	S	NYTCL-8260-R2	WATER	DONE	U	1202	1126	S0	Vial-B
L2467934-09	DUP	S	NYTCL-8260-R2	WATER	DONE	U	1202	1126	S0	Vial-B
L2467934-10	FIELD BLANK	S	NYTCL-8260-R2	WATER	DONE	U	1202	1126	S0	Vial-B
L2467934-11	TRIP BLANK	S	NYTCL-8260-R2	WATER	DONE	U	1203	1126	S0	Vial-B
WG2001917-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG2001917-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG2001917-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG2001917-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG2001917-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				
WG2001917-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DONE	U				
WG2001917-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DONE	U				

Comments:

WG2001917-4	WG2001917-3
WG2001917-6	L2467934-05
WG2001917-7	L2467934-05

			Method
Inst: VOA130	BFB: V10735	GC: 8260	
Initials: PID	IS/SS: V10796	Autosampler: 8260	
Date: **11/12/24**	ICAL: V10788B,V10792	Concentrator: 8260	
Run: **N**	ICV: V10780,V10761,V10771,V10762,V10745,V10756	QC:_____	Seq:_____

Vial	Data File	SAMPLE	pH<2
1	V30241112NBF1	BFB TUNE 14:39	
1	V30241112N01	BLK	
2	V30241112N02	BLK	
3	V30241112N03	I8260STD0.19PPB	
4	V30241112N04	I8260STD0.5PPB	
5	V30241112N05	I8260STD0.5PPB	
6	V30241112N06	I8260STD2PPB	
7	V30241112N07	I8260STD2PPB	
8	V30241112N08	I8260STD10PPB	
9	V30241112N09	I8260STD30PPB	
10	V30241112N10	I8260STD80PPB	
11	V30241112N11	I8260STD120PPB	
12	V30241112N12	I8260STD200PPB	
13	V30241112N13	BLK	
14	V30241112N14	BLK	
15	V30241112N15	BLK	
16	V30241112N16	BLK	
17	V30241112N17	C8260STD10PPB	
18	V30241112N18	C8260STD10PPB	
19	V30241112N19	BLK	

Inst: VOA130 BFB: V10797 Method GC: 8260
Initials: PID IS/SS: V10800 Autosampler: 8260
Date: **11/24/24** ICAL: V10807A,V10812 Concentrator: 8260
Run: **A** QC:_____ Seq:_____

Vial	Data File	SAMPLE		pH<2
1	V30241124ABF1	BFB TUNE 08:38		
1	V30241124A01	8260 CCAL QC FAILS		
2	V30241124A02	8260 CCAL LCS		
3	V30241124A03	8260 CCAL LCSD		
4	V30241124A04	BLK		
5	V30241124A05	METHOD BLK		
6	V30241124A06	L2467879-02,31,10,10,,A	NY/R2	pH<2
7	V30241124A07	L2467879-01,31,10,10,,A	NY/R2	pH<2
8	V30241124A08	L2467934-01,31,10,10,,A	NY/R2	pH<2
9	V30241124A09	L2467934-02,31,10,10,,A	NY/R2	pH<2
10	V30241124A10	L2467934-03,31,10,10,,A	NY/R2	pH<2
11	V30241124A11	L2467934-04,31,10,10,,A	NY/R2	pH<2
12	V30241124A12	L2467934-05,31,10,10,,A	NY/R2	pH<2
13	V30241124A13	L2467934-06,31,10,10,,A	NY/R2	pH<2
14	V30241124A14	L2467934-07,31,10,10,,A	NY/R2	pH<2
15	V30241124A15	L2467934-08,31,10,10,,A	NY/R2	pH<2
16	V30241124A16	L2467934-10,31,10,10,,A	NY/R2 FB	pH<2
17	V30241124A17	L2467934-11,31,10,10,,A	NY/R2 TB	pH<2
18	V30241124A18	L2467934-09,31,10,10,,A	NY/R2	pH<2
19	V30241124A19	L2468221-01,31,10,10,,A	8260	pH<2
20	V30241124A20	L2468221-02,31,10,10,,A	8260	pH<2
21	V30241124A21	L2468221-03,31,10,10,,A	8260	pH<2
22	V30241124A22	L2468221-04,31,10,10,,A	8260	pH<2
23	V30241124A23	L2468221-05,31,10,10,,A	8260	pH<2
24	V30241124A24	L2468221-06,31,10,10,,A	8260	pH<2
25	V30241124A25	L2468221-07,31,10,10,,A	8260	pH<2
26	V30241124A26	L2467934-05MS,31,10,10,,A1	NY/R2	pH<2
27	V30241124A27	L2467934-05MSD,31,10,10,,A2	NY/R2	pH<2
28	V30241124A28	HSTD		
29	V30241124A29	BLK		
30	V30241124A30	BLK		

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001353-2 **Analysis Date** : 11/23/24 17:26	**File ID**	: 001353-2
LCSD Sample ID	: WG2001353-3 **Analysis Date** : 11/23/24 17:49	**File ID**	: 001353-3

	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	15.	75		20	14.	69		8	40-140	30
3,3'-Dichlorobenzidine	20	16.	83		20	15.	77		8	40-140	30
2,4-Dinitrotoluene	20	16.	82		20	16.	81		1	48-143	30
2,6-Dinitrotoluene	20	16.	78		20	16.	78		0	40-140	30
4-Chlorophenyl phenyl ether	20	15.	75		20	14.	70		7	40-140	30
4-Bromophenyl phenyl ether	20	15.	75		20	14.	72		4	40-140	30
Bis(2-chloroisopropyl)ether	20	15.	76		20	14.	72		5	40-140	30
Bis(2-chloroethoxy)methane	20	16.	81		20	15.	74		9	40-140	30
Hexachlorocyclopentadiene	20	7.5	37	Q	20	7.2	36	Q	3	40-140	30
Isophorone	20	15.	76		20	14.	71		7	40-140	30
Nitrobenzene	20	15.	74		20	15.	74		0	40-140	30
NDPA/DPA	20	15.	76		20	15.	77		1	40-140	30
n-Nitrosodi-n-propylamine	20	16.	78		20	14.	70		11	29-132	30
Bis(2-ethylhexyl)phthalate	20	16.	79		20	16.	79		0	40-140	30
Butyl benzyl phthalate	20	17.	87		20	16.	79		10	40-140	30
Di-n-butylphthalate	20	17.	85		20	17.	84		1	40-140	30
Di-n-octylphthalate	20	16.	78		20	15.	74		5	40-140	30
Diethyl phthalate	20	15.	77		20	15.	74		4	40-140	30
Dimethyl phthalate	20	16.	80		20	15.	76		5	40-140	30
Biphenyl	20	18.	89		20	17.	84		6	40-140	30
4-Chloroaniline	20	13.	66		20	8.6	43		42 Q	40-140	30
2-Nitroaniline	20	18.	89		20	16.	82		8	52-143	30
3-Nitroaniline	20	16.	82		20	16.	78		5	25-145	30
4-Nitroaniline	20	19.	94		20	18.	90		4	51-143	30
Dibenzofuran	20	15.	74		20	14.	71		4	40-140	30
1,2,4,5-Tetrachlorobenzene	20	16.	78		20	15.	76		3	2-134	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001353-2 **Analysis Date** : 11/23/24 17:26	**File ID**	: 001353-2
LCSD Sample ID	: WG2001353-3 **Analysis Date** : 11/23/24 17:49	**File ID**	: 001353-3

	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	19.	94	20	18.	90	4	39-129	30
2,4,6-Trichlorophenol	20	16.	79	20	14.	72	9	30-130	30
p-Chloro-m-cresol	20	16.	78	20	15.	75	4	23-97	30
2-Chlorophenol	20	14.	73	20	13.	67	9	27-123	30
2,4-Dichlorophenol	20	16.	79	20	15.	75	5	30-130	30
2,4-Dimethylphenol	20	10.	50	20	9.6	48	4	30-130	30
2-Nitrophenol	20	15.	75	20	14.	70	7	30-130	30
4-Nitrophenol	20	12.	62	20	13.	65	5	10-80	30
2,4-Dinitrophenol	20	9.8	49	20	12.	58	17	20-130	30
4,6-Dinitro-o-cresol	20	14.	72	20	14.	68	6	20-164	30
Phenol	20	9.1	45	20	9.1	45	0	12-110	30
2-Methylphenol	20	14.	69	20	13.	64	8	30-130	30
3-Methylphenol/4-Methylphenol	20	14.	68	20	13.	64	6	30-130	30
2,4,5-Trichlorophenol	20	16.	83	20	15.	74	11	30-130	30
Carbazole	20	17.	84	20	16.	79	6	55-144	30
Atrazine	20	20.	98	20	19.	95	3	40-140	30
Benzaldehyde	20	20.	102	20	19.	95	7	40-140	30
Caprolactam	20	7.8	39	20	7.9	40	3	10-130	30
2,3,4,6-Tetrachlorophenol	20	17.	86	20	16.	80	7	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001587-2 **Analysis Date** : 11/25/24 22:44	**File ID**	: 001587-2
LCSD Sample ID	: WG2001587-3 **Analysis Date** : 11/25/24 23:07	**File ID**	: 001587-3

	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	15.	75		20	12.	62		19	40-140	30
3,3'-Dichlorobenzidine	20	18.	91		20	16.	78		15	40-140	30
2,4-Dinitrotoluene	20	16.	79		20	14.	70		12	48-143	30
2,6-Dinitrotoluene	20	16.	78		20	13.	67		15	40-140	30
4-Chlorophenyl phenyl ether	20	14.	68		20	12.	60		13	40-140	30
4-Bromophenyl phenyl ether	20	14.	72		20	13.	63		13	40-140	30
Bis(2-chloroisopropyl)ether	20	16.	78		20	12.	63		21	40-140	30
Bis(2-chloroethoxy)methane	20	16.	79		20	13.	64		21	40-140	30
Hexachlorocyclopentadiene	20	5.3	26	Q	20	5.1	26	Q	0	40-140	30
Isophorone	20	15.	77		20	12.	61		23	40-140	30
Nitrobenzene	20	16.	79		20	12.	62		24	40-140	30
NDPA/DPA	20	15.	75		20	13.	65		14	40-140	30
n-Nitrosodi-n-propylamine	20	15.	75		20	13.	63		17	29-132	30
Bis(2-ethylhexyl)phthalate	20	16.	82		20	14.	72		13	40-140	30
Butyl benzyl phthalate	20	17.	87		20	15.	77		12	40-140	30
Di-n-butylphthalate	20	16.	79		20	14.	72		9	40-140	30
Di-n-octylphthalate	20	17.	84		20	15.	74		13	40-140	30
Diethyl phthalate	20	15.	74		20	12.	62		18	40-140	30
Dimethyl phthalate	20	15.	75		20	13.	64		16	40-140	30
Biphenyl	20	17.	84		20	14.	72		15	40-140	30
4-Chloroaniline	20	12.	62		20	9.9	50		21	40-140	30
2-Nitroaniline	20	17.	86		20	14.	72		18	52-143	30
3-Nitroaniline	20	15.	76		20	13.	66		14	25-145	30
4-Nitroaniline	20	18.	92		20	16.	81		13	51-143	30
Dibenzofuran	20	14.	70		20	12.	62		12	40-140	30
1,2,4,5-Tetrachlorobenzene	20	15.	75		20	13.	64		16	2-134	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001587-2 **Analysis Date** : 11/25/24 22:44	**File ID**	: 001587-2
LCSD Sample ID	: WG2001587-3 **Analysis Date** : 11/25/24 23:07	**File ID**	: 001587-3

	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	20.	98		20	15.	75		27	39-129	30
2,4,6-Trichlorophenol	20	15.	77		20	12.	62		22	30-130	30
p-Chloro-m-cresol	20	15.	75		20	12.	62		19	23-97	30
2-Chlorophenol	20	13.	66		20	10.	52		24	27-123	30
2,4-Dichlorophenol	20	16.	78		20	12.	60		26	30-130	30
2,4-Dimethylphenol	20	9.3	47		20	7.4	37		24	30-130	30
2-Nitrophenol	20	15.	75		20	11.	57		27	30-130	30
4-Nitrophenol	20	8.2	41		20	7.9	39		5	10-80	30
2,4-Dinitrophenol	20	2.9	15	Q	20	3.4	17	Q	13	20-130	30
4,6-Dinitro-o-cresol	20	7.3	37		20	7.2	36		3	20-164	30
Phenol	20	6.5	32		20	5.0	25		25	12-110	30
2-Methylphenol	20	12.	60		20	9.2	46		26	30-130	30
3-Methylphenol/4-Methylphenol	20	11.	55		20	9.0	45		20	30-130	30
2,4,5-Trichlorophenol	20	16.	82		20	13.	65		23	30-130	30
Carbazole	20	16.	82		20	15.	73		12	55-144	30
Atrazine	20	19.	94		20	16.	81		15	40-140	30
Benzaldehyde	20	21.	104		20	17.	86		19	40-140	30
Caprolactam	20	5.6	28		20	5.0	25		11	10-130	30
2,3,4,6-Tetrachlorophenol	20	16.	82		20	13.	67		20	40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/26/24 00:37
Matrix Spike	: WG2001587-6	**MS Analysis Date**	: 11/25/24 23:52
Matrix Spike Dup	: WG2001587-7	**MSD Analysis Date**	: 11/26/24 00:15

		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	14.	70		20	14.	70		0	40-140	30
3,3'-Dichlorobenzidine	ND	20	16.	80		20	17.	85		6	40-140	30
2,4-Dinitrotoluene	ND	20	14.	70		20	14.	70		0	48-143	30
2,6-Dinitrotoluene	ND	20	13.	65		20	14.	70		7	40-140	30
4-Chlorophenyl phenyl ether	ND	20	12.	60		20	12.	60		0	40-140	30
4-Bromophenyl phenyl ether	ND	20	12.	60		20	13.	65		8	40-140	30
Bis(2-chloroisopropyl)ether	ND	20	14.	70		20	15.	75		7	40-140	30
Bis(2-chloroethoxy)methane	ND	20	14.	70		20	15.	75		7	40-140	30
Hexachlorocyclopentadiene	ND	20	5.0J	25	Q	20	5.3J	27	Q	6	40-140	30
Isophorone	ND	20	13.	65		20	14.	70		7	40-140	30
Nitrobenzene	ND	20	13.	65		20	16.	80		21	40-140	30
NDPA/DPA	ND	20	13.	65		20	13.	65		0	40-140	30
n-Nitrosodi-n-propylamine	ND	20	13.	65		20	15.	75		14	29-132	30
Bis(2-ethylhexyl)phthalate	ND	20	15.	75		20	16.	80		6	40-140	30
Butyl benzyl phthalate	ND	20	15.	75		20	16.	80		6	40-140	30
Di-n-butylphthalate	ND	20	14.	70		20	14.	70		0	40-140	30
Di-n-octylphthalate	ND	20	15.	75		20	16.	80		6	40-140	30
Diethyl phthalate	ND	20	13.	65		20	13.	65		0	40-140	30
Dimethyl phthalate	ND	20	12.	60		20	13.	65		8	40-140	30
Biphenyl	ND	20	15.	75		20	16.	80		6	40-140	30
4-Chloroaniline	ND	20	11.	55		20	12.	60		9	40-140	30
2-Nitroaniline	ND	20	14.	70		20	16.	80		13	52-143	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/26/24 00:37
Matrix Spike	: WG2001587-6	**MS Analysis Date**	: 11/25/24 23:52
Matrix Spike Dup	: WG2001587-7	**MSD Analysis Date**	: 11/26/24 00:15

		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	14.	70		20	13.	65		7	25-145	30
4-Nitroaniline	ND	20	15.	75		20	16.	80		6	51-143	30
Dibenzofuran	ND	20	12.	60		20	13.	65		8	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	13.	65		20	14.	70		7	2-134	30
Acetophenone	ND	20	16.	80		20	18.	90		12	39-129	30
2,4,6-Trichlorophenol	ND	20	13.	65		20	14.	70		7	30-130	30
p-Chloro-m-cresol	ND	20	13.	65		20	13.	65		0	23-97	30
2-Chlorophenol	ND	20	11.	55		20	13.	65		17	27-123	30
2,4-Dichlorophenol	ND	20	13.	65		20	14.	70		7	30-130	30
2,4-Dimethylphenol	ND	20	8.1	41		20	7.8	39		4	30-130	30
2-Nitrophenol	ND	20	13.	65		20	14.	70		7	30-130	30
4-Nitrophenol	ND	20	6.9J	35		20	7.3J	37		6	10-80	30
2,4-Dinitrophenol	ND	20	ND	0	Q	20	ND	0	Q	NC	20-130	30
4,6-Dinitro-o-cresol	ND	20	6.4J	32		20	7.3J	37		13	20-164	30
Phenol	ND	20	5.6	28		20	6.0	30		7	12-110	30
2-Methylphenol	ND	20	10.	50		20	11.	55		10	30-130	30
3-Methylphenol/4-Methylphenol	ND	20	9.7	49		20	11.	55		13	30-130	30
2,4,5-Trichlorophenol	ND	20	14.	70		20	14.	70		0	30-130	30
Carbazole	ND	20	14.	70		20	15.	75		7	55-144	30
Atrazine	ND	20	16.	80		20	17.	85		6	40-140	30
Benzaldehyde	ND	20	18.	90		20	20.	100		11	40-140	30
Caprolactam	ND	20	5.6J	28		20	5.4J	27		4	10-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/26/24 00:37
Matrix Spike	: WG2001587-6	**MS Analysis Date**	: 11/25/24 23:52
Matrix Spike Dup	: WG2001587-7	**MSD Analysis Date**	: 11/26/24 00:15

		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	14.	70	20	14.	70	0	40-140	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
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 (L2467934-01)	49	34	70	61	72	73	0
MW-2S (L2467934-02)	49	35	79	70	72	76	0
MW-3S (L2467934-03)	46	34	72	64	70	70	0
MW-4D (L2467934-04)	33	23	80	68	57	68	0
MW-5S (L2467934-05)	27	19	60	49	55	56	0
MW-6D (L2467934-06)	46	33	72	65	73	72	0
MW-7S (L2467934-07)	42	31	67	61	60	62	0
MW-8S (L2467934-08)	43	30	63	58	62	65	0
DUP (L2467934-09)	46	30	68	61	67	71	0
FIELD BLANK (L2467934-10)	48	32	73	65	73	69	0
WG2001353-1BLANK	59	44	87	78	89	87	0
WG2001353-2LCS	59	43	82	76	85	83	0
WG2001353-3LCSD	54	44	83	70	82	78	0
WG2001587-1BLANK	27	24	70	61	55	64	0
WG2001587-2LCS	44	32	87	76	81	81	0
WG2001587-3LCSD	36	25	67	62	70	70	0
MW-5SMS	39	27	74	64	72	68	0
MW-5SMSD	45	31	82	66	74	69	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**

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2001353-1	**Lab File ID**	: 001353-1
Instrument ID	: DAKOTA	**Extraction Date**	: 11/23/24
Matrix	: WATER	**Analysis Date**	: 11/23/24 17:04
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2001353-2LCS	WG2001353-2	11/23/24 17:26
WG2001353-3LCSD	WG2001353-3	11/23/24 17:49
MW-2S	L2467934-02	11/23/24 21:56
MW-3S	L2467934-03	11/23/24 22:18
MW-6D	L2467934-06	11/23/24 22:41
MW-7S	L2467934-07	11/23/24 23:03
MW-8S	L2467934-08	11/23/24 23:26
DUP	L2467934-09	11/23/24 23:48
FIELD BLANK	L2467934-10	11/24/24 00:11
MW-1S	L2467934-01	11/24/24 17:42

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2001587-1	**Lab File ID**	: 001587-1
Instrument ID	: DAKOTA	**Extraction Date**	: 11/24/24
Matrix	: WATER	**Analysis Date**	: 11/25/24 22:22
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2001587-2LCS	WG2001587-2	11/25/24 22:44
WG2001587-3LCSD	WG2001587-3	11/25/24 23:07
MW-4D	L2467934-04	11/25/24 23:30
MW-5SMS	WG2001587-6	11/25/24 23:52
MW-5SMSD	WG2001587-7	11/26/24 00:15
MW-5S	L2467934-05	11/26/24 00:37

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/05/24 16:36
Tune Standard	: R1897417-31	**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 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	45.2
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	6.5
275	10.0 - 60.0% of Base Peak	27.8
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.4
442	Base Peak, or >50% of mass 198	80.8
443	15.0 - 24.0% of mass 442	15.9 (19.7)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
ABNL9	R1897417-9	ABNL9	11/05/24 16:59
ABNL8	R1897417-8	ABNL8	11/05/24 17:23
ABNL7	R1897417-7	ABNL7	11/05/24 17:46
ABNL6	R1897417-6	ABNL6	11/05/24 18:09
ABNL5	R1897417-5	ABNL5	11/05/24 18:33
ABNL4	R1897417-4	ABNL4	11/05/24 18:56
ABNL3	R1897417-3	ABNL3	11/05/24 19:19
ABNL2	R1897417-2	ABNL2	11/05/24 19:42
ABNL1	R1897417-1	ABNL1	11/05/24 20:06
AP9L9	R1897417-27	AP9L9	11/05/24 20:29
AP9L8	R1897417-26	AP9L8	11/05/24 20:53
AP9L7	R1897417-25	AP9L7	11/05/24 21:16
AP9L6	R1897417-24	AP9L6	11/05/24 21:39
AP9L5	R1897417-23	AP9L5	11/05/24 22:03
AP9L4	R1897417-22	AP9L4	11/05/24 22:26
AP9L3	R1897417-21	AP9L3	11/05/24 22:49
AP9L2	R1897417-20	AP9L2	11/05/24 23:13
AP9L1	R1897417-19	AP9L1	11/05/24 23:36
ABN ICV Quant Report	R1897417-28	ABNICV	11/05/24 23:59
AP9 ICV Quant Report	R1897417-30	AP9ICV	11/06/24 00:23

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/06/24 00:46
Tune Standard	: R1897417-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.4
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	45.9
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	27.4
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.8
442	Base Peak, or >50% of mass 198	78.8
443	15.0 - 24.0% of mass 442	15.6 (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
ADPL9	R1897417-18	ADPL9	11/06/24 01:10
ADPL8	R1897417-17	ADPL8	11/06/24 01:33
ADPL7	R1897417-16	ADPL7	11/06/24 01:56
ADPL6	R1897417-15	ADPL6	11/06/24 02:20
ADPL5	R1897417-14	ADPL5	11/06/24 02:43
ADPL4	R1897417-13	ADPL4	11/06/24 03:07
ADPL3	R1897417-12	ADPL3	11/06/24 03:30
ADPL2	R1897417-10	ADPL2	11/06/24 03:53
ADPL1	R1897417-11	ADPL1	11/06/24 04:17
ADP ICV Quant Report	R1897417-29	ADPICV	11/06/24 04:40

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/23/24 13:19
Tune Standard	: WG2001490-1	**Tune File ID**	: DEG1123_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)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	6.8
275	10.0 - 60.0% of Base Peak	26.7
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.3
442	Base Peak, or >50% of mass 198	83.2
443	15.0 - 24.0% of mass 442	16.6 (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
WG2001490-6TFACTOR-B	WG2001490-6	DEG1123	11/23/24 13:19
WG2001490-7TFACTOR-P	WG2001490-7	DEG1123	11/23/24 13:19
WG2001490-3CCAL	WG2001490-3	ABN1123	11/23/24 13:41
WG2001490-4CCAL	WG2001490-4	AP91123	11/23/24 14:04
WG2001490-5CCAL	WG2001490-5	ADP1123	11/23/24 14:26
WG2001353-1BLANK	WG2001353-1	001353-1	11/23/24 17:04
WG2001353-2LCS	WG2001353-2	001353-2	11/23/24 17:26
WG2001353-3LCSD	WG2001353-3	001353-3	11/23/24 17:49
MW-2S	L2467934-02	67934-02	11/23/24 21:56
MW-3S	L2467934-03	67934-03	11/23/24 22:18
MW-6D	L2467934-06	67934-06	11/23/24 22:41
MW-7S	L2467934-07	67934-07	11/23/24 23:03
MW-8S	L2467934-08	67934-08	11/23/24 23:26
DUP	L2467934-09	67934-09	11/23/24 23:48
FIELD BLANK	L2467934-10	67934-10	11/24/24 00:11

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/24/24 08:20
Tune Standard	: WG2001636-1	**Tune File ID**	: DEG1124_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.2
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)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	26
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.1
442	Base Peak, or >50% of mass 198	80.1
443	15.0 - 24.0% of mass 442	16 (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
WG2001636-6TFACTOR-B	WG2001636-6	DEG1124	11/24/24 08:20
WG2001636-7TFACTOR-P	WG2001636-7	DEG1124	11/24/24 08:20
WG2001636-3CCAL	WG2001636-3	ABN1124	11/24/24 08:42
WG2001636-4CCAL	WG2001636-4	AP91124	11/24/24 09:05
WG2001636-5CCAL	WG2001636-5	ADP1124	11/24/24 09:27
MW-1S	L2467934-01	67934-01	11/24/24 17:42

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/25/24 20:29
Tune Standard	: WG2002259-1	**Tune File ID**	: DEG1125n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.5
68	Less than 2.0% of mass 69	0 (0)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	26.4
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	76.6
443	15.0 - 24.0% of mass 442	15.8 (20.6)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
WG2002259-6TFACTOR-P	WG2002259-6	DEG1125N	11/25/24 20:29
WG2002259-7TFACTOR-B	WG2002259-7	DEG1125N	11/25/24 20:29
WG2002259-3CCAL	WG2002259-3	ABN1125N	11/25/24 20:52
WG2002259-4CCAL	WG2002259-4	AP91125N	11/25/24 21:14
WG2002259-5CCAL	WG2002259-5	ADP1125N	11/25/24 21:37
WG2001587-1BLANK	WG2001587-1	001587-1	11/25/24 22:22
WG2001587-2LCS	WG2001587-2	001587-2	11/25/24 22:44
WG2001587-3LCSD	WG2001587-3	001587-3	11/25/24 23:07
MW-4D	L2467934-04	67934-04	11/25/24 23:30
WG2001587-6MS	WG2001587-6	001587-6	11/25/24 23:52
WG2001587-7MSD	WG2001587-7	001587-7	11/26/24 00:15
MW-5S	L2467934-05	67934-05	11/26/24 00:37

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/23/24 13:41:00
Sample No	: WG2001490-3	**Lab File ID**	: ABN1123

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2001490-3	26746	4.23	105446	5.46	72361	7.15
Upper Limit	53492	4.73	210892	5.96	144722	7.65
Lower Limit	13373	3.73	52723	4.96	36181	6.65
Sample ID						
WG2001490-4 CCAL	24842	4.23	98292	5.46	67111	7.15
WG2001490-5 CCAL	25764	4.22	-	-	67172	7.15
WG2001353-1 BLANK	20351	4.23	76323	5.46	50584	7.15
WG2001353-2 LCS	23247	4.23	90681	5.46	61621	7.15
WG2001353-3 LCSD	22064	4.23	87691	5.46	59582	7.15
MW-2S	21024	4.22	85152	5.46	57722	7.15
MW-3S	21825	4.23	86192	5.46	55724	7.16
MW-6D	23558	4.23	88374	5.46	55964	7.16
MW-7S	25997	4.23	97988	5.46	63784	7.15
MW-8S	24675	4.23	93605	5.46	60542	7.15
DUP	23933	4.23	88275	5.46	56206	7.15
FIELD BLANK	24797	4.23	92141	5.46	57405	7.16

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/23/24 13:41:00
Sample No	: WG2001490-3	**Lab File ID**	: ABN1123

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2001490-3	160365	8.57	195962	11.13	235211	12.55
Upper Limit	320730	9.07	391924	11.63	470422	13.05
Lower Limit	80183	8.07	97981	10.63	117606	12.05
Sample ID						
WG2001490-4 CCAL	161044	8.57	-	-	-	-
WG2001490-5 CCAL	159399	8.57	-	-	-	-
WG2001353-1 BLANK	120306	8.57	145830	11.13	175730	12.55
WG2001353-2 LCS	139239	8.57	163928	11.13	194534	12.55
WG2001353-3 LCSD	138779	8.57	161362	11.13	187864	12.55
MW-2S	134845	8.57	153964	11.13	183312	12.55
MW-3S	127443	8.57	158579	11.13	191186	12.55
MW-6D	127238	8.57	151367	11.13	182469	12.55
MW-7S	142356	8.57	157555	11.13	183686	12.54
MW-8S	138093	8.57	156443	11.13	183826	12.55
DUP	128134	8.57	148486	11.13	172863	12.55
FIELD BLANK	130303	8.57	148057	11.13	175128	12.55

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/24/24 08:42:00
Sample No	: WG2001636-3	**Lab File ID**	: ABN1124

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2001636-3	27700	4.22	104986	5.46	66238	7.15
Upper Limit	55400	4.72	209972	5.96	132476	7.65
Lower Limit	13850	3.72	52493	4.96	33119	6.65
Sample ID						
WG2001636-4 CCAL	25656	4.22	98582	5.46	66660	7.15
WG2001636-5 CCAL	25476	4.22	-	-	62405	7.15
MW-1S	21050	4.22	81955	5.46	53126	7.15

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/24/24 08:42:00
Sample No	: WG2001636-3	**Lab File ID**	: ABN1124

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2001636-3	140148	8.57	174052	11.13	216090	12.55
Upper Limit	280296	9.07	348104	11.63	432180	13.05
Lower Limit	70074	8.07	87026	10.63	108045	12.05
Sample ID						
WG2001636-4 CCAL	156017	8.57	-	-	-	-
WG2001636-5 CCAL	143945	8.57	-	-	-	-
MW-1S	122929	8.57	146054	11.13	177503	12.55

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/25/24 20:52:00
Sample No	: WG2002259-3	**Lab File ID**	: ABN1125N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2002259-3	40101	4.22	159893	5.46	106227	7.16
Upper Limit	80202	4.72	319786	5.96	212454	7.66
Lower Limit	20051	3.72	79947	4.96	53114	6.66
Sample ID						
WG2002259-4 CCAL	22985	4.22	87939	5.46	58300	7.15
WG2002259-5 CCAL	21373	4.22	-	-	54188	7.15
WG2001587-1 BLANK	25839	4.22	100973	5.46	67970	7.15
WG2001587-2 LCS	28468	4.22	113145	5.46	76492	7.16
WG2001587-3 LCSD	30659	4.23	115032	5.46	74952	7.15
MW-4D	27596	4.22	108589	5.46	74264	7.15
MW-5S MS	25954	4.22	102750	5.46	67821	7.15
MW-5S MSD	24380	4.22	97891	5.46	66255	7.15
MW-5S	29023	4.22	112451	5.46	74500	7.15

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 11/25/24 20:52:00
Sample No	: WG2002259-3	**Lab File ID**	: ABN1125N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2002259-3	233287	8.57	278188	11.13	327345	12.54
Upper Limit	466574	9.07	556376	11.63	654690	13.04
Lower Limit	116644	8.07	139094	10.63	163673	12.04
Sample ID						
WG2002259-4 CCAL	137960	8.57	-	-	-	-
WG2002259-5 CCAL	126143	8.57	-	-	-	-
WG2001587-1 BLANK	158277	8.57	182066	11.13	218905	12.54
WG2001587-2 LCS	172302	8.57	202349	11.13	244738	12.54
WG2001587-3 LCSD	164642	8.57	188271	11.13	226011	12.54
MW-4D	171338	8.57	190009	11.13	224118	12.54
MW-5S MS	149736	8.57	177270	11.13	220027	12.54
MW-5S MSD	146750	8.57	171121	11.13	208443	12.54
MW-5S	167467	8.57	189734	11.13	223500	12.54

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

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)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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*		

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

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			

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.

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 17:42
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-01	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 17:42
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-01	**Analyst**	: SMZ
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	2.3	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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 17:42
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-01	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 21:56
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-02	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 21:56
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-02	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 21:56
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-02	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:18
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-03	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:18
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-03	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:18
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-03	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/25/24 23:30
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-04	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/25/24 23:30
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-04	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/25/24 23:30
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-04	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 00:37
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-05	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 00:37
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-05	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 00:37
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-05	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:41
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-06	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:41
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-06	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:41
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-06	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:03
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-07	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:03
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-07	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:03
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-07	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:26
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-08	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:26
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-08	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:26
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-08	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:48
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-09	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:48
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-09	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:48
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-09	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 00:11
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-10	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 00:11
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-10	**Analyst**	: EK
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	1.4	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 00:11
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 67934-10	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001353-1	**Date Collected**	: NA
Client ID	: WG2001353-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/23/24 17:04
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 001353-1	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001353-1	**Date Collected**	: NA
Client ID	: WG2001353-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/23/24 17:04
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 001353-1	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001353-1	**Date Collected**	: NA
Client ID	: WG2001353-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/23/24 17:04
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 001353-1	**Analyst**	: EK
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001587-1	**Date Collected**	: NA
Client ID	: WG2001587-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/25/24 22:22
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 001587-1	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001587-1	**Date Collected**	: NA
Client ID	: WG2001587-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/25/24 22:22
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 001587-1	**Analyst**	: SMZ
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001587-1	**Date Collected**	: NA
Client ID	: WG2001587-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/25/24 22:22
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 001587-1	**Analyst**	: SMZ
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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-02.D
Acq On : 23 Nov 2024 9:56 pm
Operator : Dakota:ek
Sample : L2467934-02,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 24 08:57:33 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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...	4.224	152	21024	4.000	ug/ml		0.00
Standard Area 1 = 26746			Recovery = 78.61%				
27) IS2_1,4-Dichlorobenzen...	4.224	152	21024	4.000	ug/ml		0.00
Standard Area 3 = 24842			Recovery = 84.63%				
37) IS1_Naphthalene-d8	5.464	136	85152	4.000	ug/ml	#	0.00
Standard Area 1 = 105446			Recovery = 80.75%				
57) IS2_Naphthalene-d8	5.464	136	85152	4.000	ug/ml	#	0.00
Standard Area 3 = 98292			Recovery = 86.63%				
65) IS1_Acenaphthene-d10	7.154	164	57722	4.000	ug/ml		0.00
Standard Area 1 = 72361			Recovery = 79.77%				
85) IS2_Acenaphthene-d10	7.154	164	57722	4.000	ug/ml		0.00
Standard Area 3 = 67111			Recovery = 86.01%				
88) IS3_Acenaphthene-d10	7.154	164	57722	4.000	ug/ml		0.00
Standard Area 2 = 67172			Recovery = 85.93%				
90) IS1_Phenanthrene-d10	8.566	188	134845	4.000	ug/ml		0.00
Standard Area 1 = 160365			Recovery = 84.09%				
102) IS3_Phenanthrene-d10	8.566	188	134845	4.000	ug/ml		0.00
Standard Area 2 = 159399			Recovery = 84.60%				
106) IS1_Chrysene-d12	11.130	240	153964	4.000	ug/ml		0.00
Standard Area 1 = 195962			Recovery = 78.57%				
115) IS1_Perylene-d12	12.547	264	183312	4.000	ug/ml		0.00
Standard Area 1 = 235211			Recovery = 77.94%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.924	112	5309	0.982	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 49.10%				
7) Phenol-d6	3.928	99	4830	0.698	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.90%				
19) Nitrobenzene-d5	4.780	82	4976	0.792	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.20%				
48) 2-Fluorobiphenyl	6.539	172	14700	0.697	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.70%				
81) 2,4,6-Tribromophenol	7.913	330	5977	1.449	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 72.45%				
98) 4-Terphenyl-d14	10.135	244	29679	0.761	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.10%				

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-02.D
Acq On : 23 Nov 2024 9:56 pm
Operator : Dakota:ek
Sample : L2467934-02,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 24 08:57:33 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-02.D
Acq On : 23 Nov 2024 9:56 pm
Operator : Dakota:ek
Sample : L2467934-02,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 24 08:57:33 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
89) Atrazine	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111) Di-n-octylphthalate	0.000		0		N.D.	d

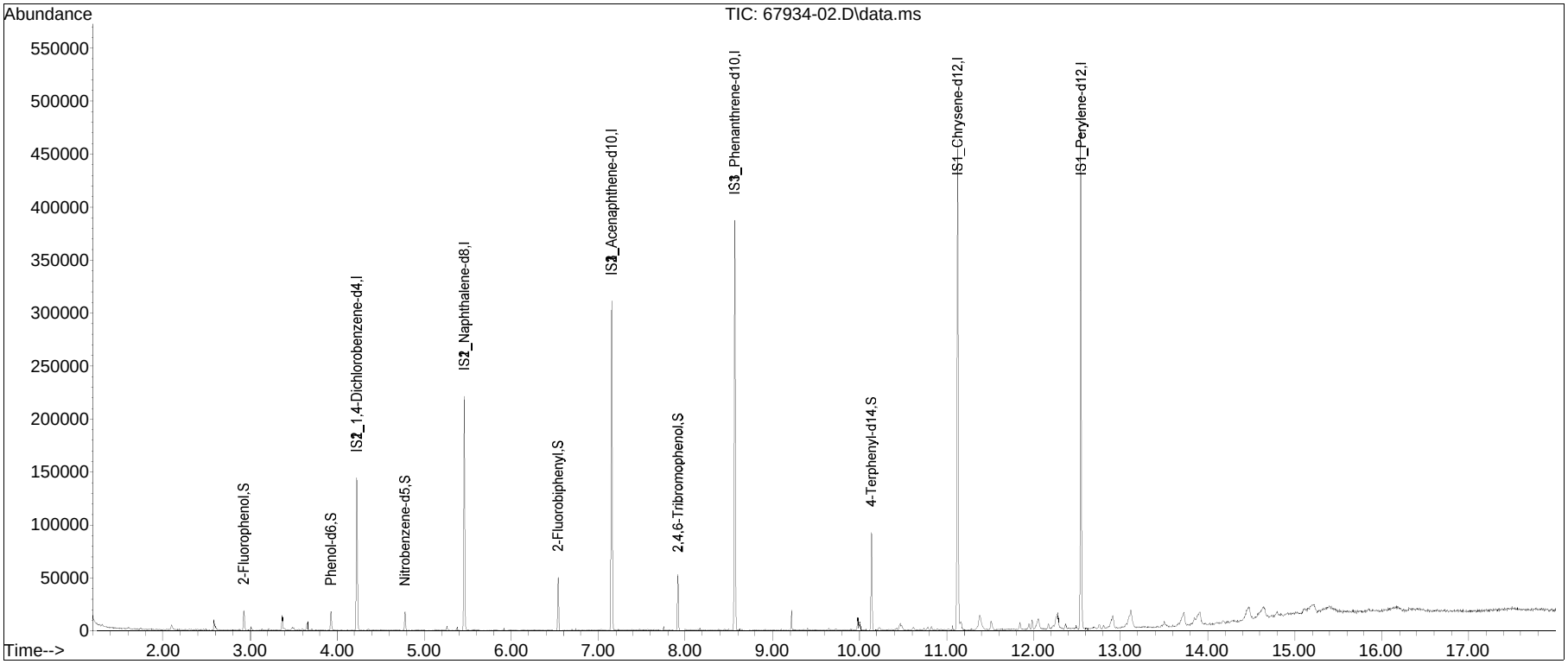
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-02.D
Acq On : 23 Nov 2024 9:56 pm
Operator : Dakota:ek
Sample : L2467934-02,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 24 08:57:33 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91123.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-02.D	Operator	: Dakota:ek
Date Inj'd	: 11/23/2024 9:56 pm	Instrument	: Dakota
Sample	: L2467934-02,32,,cmm	Quant Date	: 11/23/2024 10:14 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-03.D
Acq On : 23 Nov 2024 10:18 pm
Operator : Dakota:ek
Sample : L2467934-03,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 08:57:50 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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...	4.227	152	21825	4.000	ug/ml		0.00
Standard Area 1 = 26746			Recovery = 81.60%				
27) IS2_1,4-Dichlorobenzen...	4.227	152	21825	4.000	ug/ml		0.00
Standard Area 3 = 24842			Recovery = 87.86%				
37) IS1_Naphthalene-d8	5.464	136	86192	4.000	ug/ml	#	0.00
Standard Area 1 = 105446			Recovery = 81.74%				
57) IS2_Naphthalene-d8	5.464	136	86192	4.000	ug/ml	#	0.00
Standard Area 3 = 98292			Recovery = 87.69%				
65) IS1_Acenaphthene-d10	7.155	164	55724	4.000	ug/ml		0.00
Standard Area 1 = 72361			Recovery = 77.01%				
85) IS2_Acenaphthene-d10	7.155	164	55724	4.000	ug/ml		0.00
Standard Area 3 = 67111			Recovery = 83.03%				
88) IS3_Acenaphthene-d10	7.155	164	55724	4.000	ug/ml		0.00
Standard Area 2 = 67172			Recovery = 82.96%				
90) IS1_Phenanthrene-d10	8.566	188	127443	4.000	ug/ml		0.00
Standard Area 1 = 160365			Recovery = 79.47%				
102) IS3_Phenanthrene-d10	8.566	188	127443	4.000	ug/ml		0.00
Standard Area 2 = 159399			Recovery = 79.95%				
106) IS1_Chrysene-d12	11.130	240	158579	4.000	ug/ml		0.00
Standard Area 1 = 195962			Recovery = 80.92%				
115) IS1_Perylene-d12	12.547	264	191186	4.000	ug/ml		0.00
Standard Area 1 = 235211			Recovery = 81.28%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.928	112	5207	0.928	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.40%				
7) Phenol-d6	3.928	99	4815	0.670	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.50%				
19) Nitrobenzene-d5	4.780	82	4660	0.715	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.50%				
48) 2-Fluorobiphenyl	6.539	172	13613	0.638	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.80%				
81) 2,4,6-Tribromophenol	7.913	330	5570	1.398	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 69.90%				
98) 4-Terphenyl-d14	10.135	244	25781	0.699	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.90%				

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-03.D
Acq On : 23 Nov 2024 10:18 pm
Operator : Dakota:ek
Sample : L2467934-03,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 08:57:50 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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.	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.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-03.D
Acq On : 23 Nov 2024 10:18 pm
Operator : Dakota:ek
Sample : L2467934-03,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 08:57:50 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
89) Atrazine	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111) Di-n-octylphthalate	0.000		0		N.D.	d

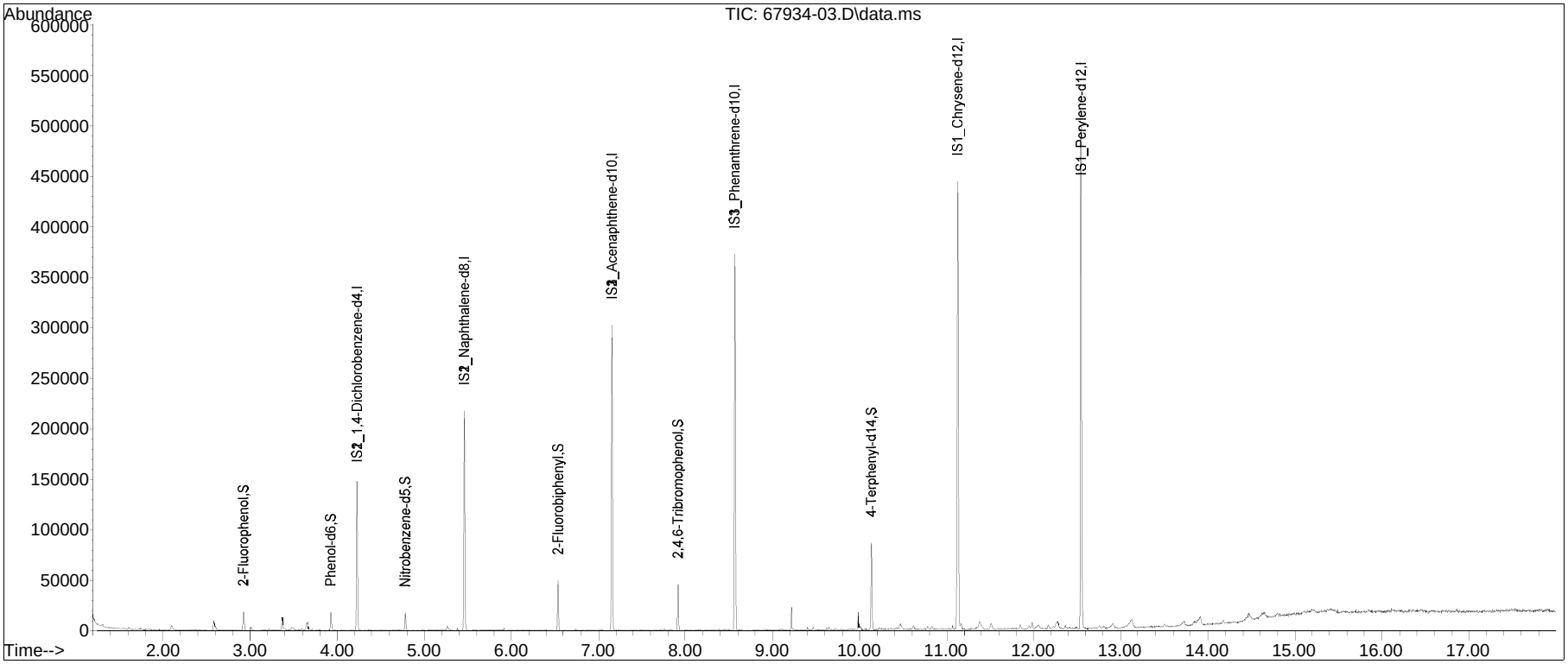
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-03.D
Acq On : 23 Nov 2024 10:18 pm
Operator : Dakota:ek
Sample : L2467934-03,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 24 08:57:50 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91123.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-03.D	Operator	: Dakota:ek
Date Inj'd	: 11/23/2024 10:18 pm	Instrument	: Dakota
Sample	: L2467934-03,32,,cmm	Quant Date	: 11/23/2024 10:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-06.D
Acq On : 23 Nov 2024 10:41 pm
Operator : Dakota:ek
Sample : L2467934-06,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 24 08:58:15 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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...	4.227	152	23558	4.000	ug/ml		0.00
Standard Area 1 = 26746			Recovery = 88.08%				
27) IS2_1,4-Dichlorobenzen...	4.227	152	23558	4.000	ug/ml		0.00
Standard Area 3 = 24842			Recovery = 94.83%				
37) IS1_Naphthalene-d8	5.464	136	88374	4.000	ug/ml	#	0.00
Standard Area 1 = 105446			Recovery = 83.81%				
57) IS2_Naphthalene-d8	5.464	136	88374	4.000	ug/ml	#	0.00
Standard Area 3 = 98292			Recovery = 89.91%				
65) IS1_Acenaphthene-d10	7.155	164	55964	4.000	ug/ml		0.00
Standard Area 1 = 72361			Recovery = 77.34%				
85) IS2_Acenaphthene-d10	7.155	164	55964	4.000	ug/ml		0.00
Standard Area 3 = 67111			Recovery = 83.39%				
88) IS3_Acenaphthene-d10	7.155	164	55964	4.000	ug/ml		0.00
Standard Area 2 = 67172			Recovery = 83.31%				
90) IS1_Phenanthrene-d10	8.566	188	127238	4.000	ug/ml		0.00
Standard Area 1 = 160365			Recovery = 79.34%				
102) IS3_Phenanthrene-d10	8.566	188	127238	4.000	ug/ml		0.00
Standard Area 2 = 159399			Recovery = 79.82%				
106) IS1_Chrysene-d12	11.130	240	151367	4.000	ug/ml		0.00
Standard Area 1 = 195962			Recovery = 77.24%				
115) IS1_Perylene-d12	12.547	264	182469	4.000	ug/ml		0.00
Standard Area 1 = 235211			Recovery = 77.58%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.931	112	5627	0.929	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.45%				
7) Phenol-d6	3.931	99	5052	0.651	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.55%				
19) Nitrobenzene-d5	4.780	82	5033	0.715	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.50%				
48) 2-Fluorobiphenyl	6.539	172	14167	0.648	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.80%				
81) 2,4,6-Tribromophenol	7.913	330	5818	1.454	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 72.70%				
98) 4-Terphenyl-d14	10.135	244	26485	0.719	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.90%				

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-06.D
Acq On : 23 Nov 2024 10:41 pm
Operator : Dakota:ek
Sample : L2467934-06,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 24 08:58:15 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-06.D
Acq On : 23 Nov 2024 10:41 pm
Operator : Dakota:ek
Sample : L2467934-06,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 24 08:58:15 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	NDPA/DPA	0.000		0		N.D.	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
89)	Atrazine	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D.	
94)	Di-n-butylphthalate	0.000		0		N.D.	
99)	Butyl benzyl phthalate	0.000		0		N.D.	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111)	Di-n-octylphthalate	0.000		0		N.D.	d

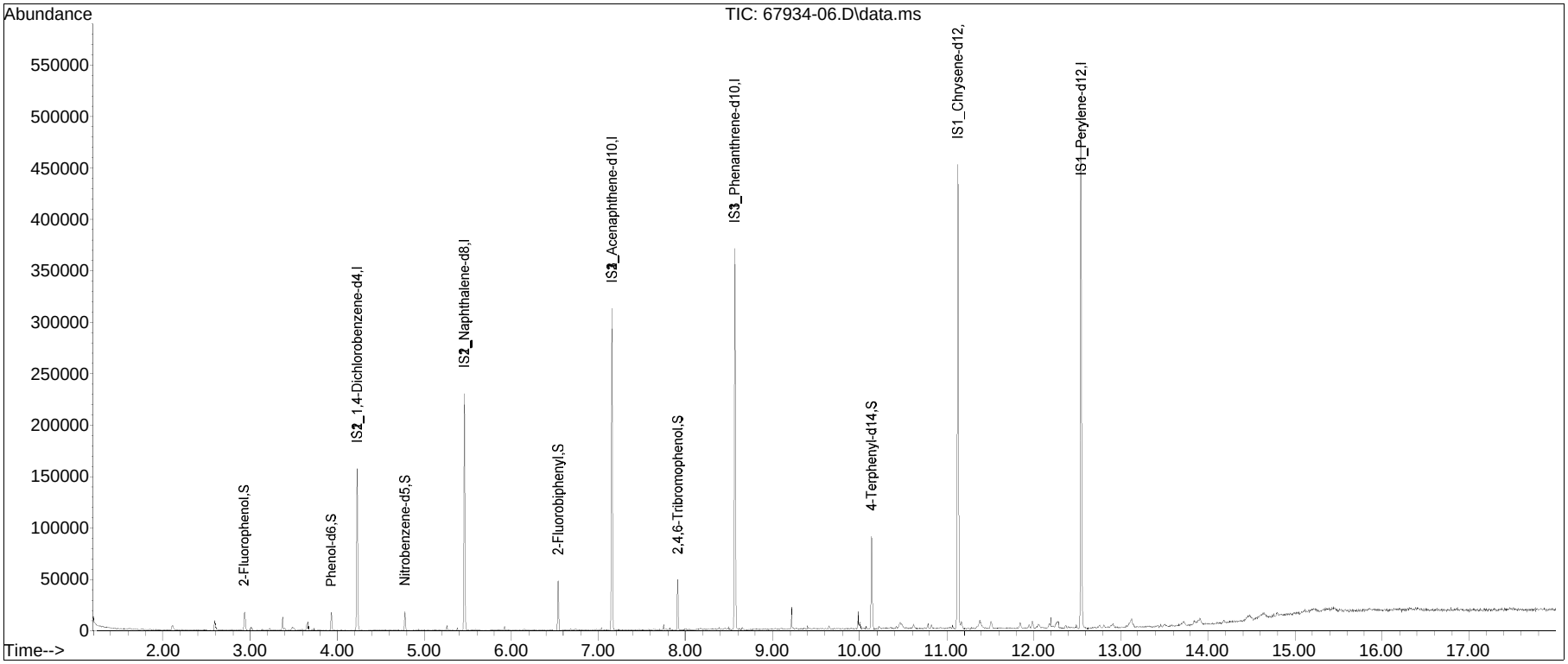
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-06.D
Acq On : 23 Nov 2024 10:41 pm
Operator : Dakota:ek
Sample : L2467934-06,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 24 08:58:15 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91123.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-06.D	Operator	: Dakota:ek
Date Inj'd	: 11/23/2024 10:41 pm	Instrument	: Dakota
Sample	: L2467934-06,32,,cmm	Quant Date	: 11/23/2024 10:59 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-07.D
Acq On : 23 Nov 2024 11:03 pm
Operator : Dakota:ek
Sample : L2467934-07,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 24 08:58:31 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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...	4.227	152	25997	4.000	ug/ml		0.00
Standard Area 1 = 26746			Recovery = 97.20%				
27) IS2_1,4-Dichlorobenzen...	4.227	152	25997	4.000	ug/ml		0.00
Standard Area 3 = 24842			Recovery = 104.65%				
37) IS1_Naphthalene-d8	5.464	136	97988	4.000	ug/ml	#	0.00
Standard Area 1 = 105446			Recovery = 92.93%				
57) IS2_Naphthalene-d8	5.464	136	97988	4.000	ug/ml	#	0.00
Standard Area 3 = 98292			Recovery = 99.69%				
65) IS1_Acenaphthene-d10	7.154	164	63784	4.000	ug/ml		0.00
Standard Area 1 = 72361			Recovery = 88.15%				
85) IS2_Acenaphthene-d10	7.154	164	63784	4.000	ug/ml		0.00
Standard Area 3 = 67111			Recovery = 95.04%				
88) IS3_Acenaphthene-d10	7.154	164	63784	4.000	ug/ml		0.00
Standard Area 2 = 67172			Recovery = 94.96%				
90) IS1_Phenanthrene-d10	8.565	188	142356	4.000	ug/ml		0.00
Standard Area 1 = 160365			Recovery = 88.77%				
102) IS3_Phenanthrene-d10	8.565	188	142356	4.000	ug/ml		0.00
Standard Area 2 = 159399			Recovery = 89.31%				
106) IS1_Chrysene-d12	11.130	240	157555	4.000	ug/ml		0.00
Standard Area 1 = 195962			Recovery = 80.40%				
115) IS1_Perylene-d12	12.544	264	183686	4.000	ug/ml		0.00
Standard Area 1 = 235211			Recovery = 78.09%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.937	112	5672	0.849	ug/ml		0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.45%				
7) Phenol-d6	3.931	99	5379	0.628	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.40%				
19) Nitrobenzene-d5	4.780	82	5184	0.667	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.70%				
48) 2-Fluorobiphenyl	6.539	172	14683	0.605	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 60.50%				
81) 2,4,6-Tribromophenol	7.913	330	5488	1.204	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.20%				
98) 4-Terphenyl-d14	10.135	244	25483	0.619	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.90%				

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-07.D
Acq On : 23 Nov 2024 11:03 pm
Operator : Dakota:ek
Sample : L2467934-07,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 24 08:58:31 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-07.D
Acq On : 23 Nov 2024 11:03 pm
Operator : Dakota:ek
Sample : L2467934-07,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 24 08:58:31 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
89) Atrazine	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
111) Di-n-octylphthalate	0.000		0		N.D.	d

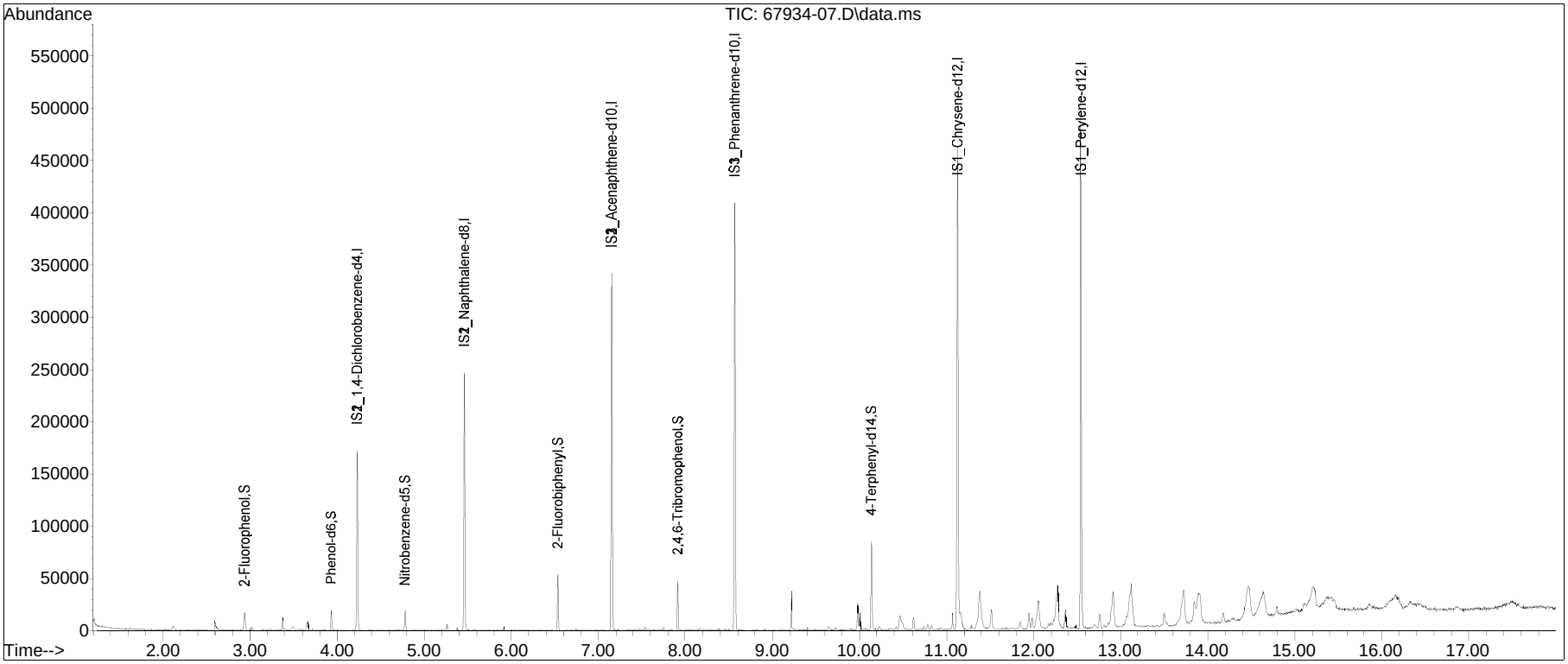
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-07.D
Acq On : 23 Nov 2024 11:03 pm
Operator : Dakota:ek
Sample : L2467934-07,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 24 08:58:31 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91123.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-07.D	Operator	: Dakota:ek
Date Inj'd	: 11/23/2024 11:03 pm	Instrument	: Dakota
Sample	: L2467934-07,32,,cmm	Quant Date	: 11/23/2024 11:22 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-08.D
Acq On : 23 Nov 2024 11:26 pm
Operator : Dakota:ek
Sample : L2467934-08,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 24 08:58:42 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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...	4.226	152	24675	4.000	ug/ml		0.00
Standard Area 1 = 26746			Recovery = 92.26%				
27) IS2_1,4-Dichlorobenzen...	4.226	152	24675	4.000	ug/ml		0.00
Standard Area 3 = 24842			Recovery = 99.33%				
37) IS1_Naphthalene-d8	5.464	136	93605	4.000	ug/ml	#	0.00
Standard Area 1 = 105446			Recovery = 88.77%				
57) IS2_Naphthalene-d8	5.464	136	93605	4.000	ug/ml	#	0.00
Standard Area 3 = 98292			Recovery = 95.23%				
65) IS1_Acenaphthene-d10	7.154	164	60542	4.000	ug/ml		0.00
Standard Area 1 = 72361			Recovery = 83.67%				
85) IS2_Acenaphthene-d10	7.154	164	60542	4.000	ug/ml		0.00
Standard Area 3 = 67111			Recovery = 90.21%				
88) IS3_Acenaphthene-d10	7.154	164	60542	4.000	ug/ml		0.00
Standard Area 2 = 67172			Recovery = 90.13%				
90) IS1_Phenanthrene-d10	8.565	188	138093	4.000	ug/ml		0.00
Standard Area 1 = 160365			Recovery = 86.11%				
102) IS3_Phenanthrene-d10	8.565	188	138093	4.000	ug/ml		0.00
Standard Area 2 = 159399			Recovery = 86.63%				
106) IS1_Chrysene-d12	11.130	240	156443	4.000	ug/ml		0.00
Standard Area 1 = 195962			Recovery = 79.83%				
115) IS1_Perylene-d12	12.547	264	183826	4.000	ug/ml		0.00
Standard Area 1 = 235211			Recovery = 78.15%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.934	112	5466	0.862	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.10%				
7) Phenol-d6	3.931	99	4877	0.600	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.00%				
19) Nitrobenzene-d5	4.780	82	4666	0.633	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.30%				
48) 2-Fluorobiphenyl	6.539	172	13447	0.580	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 58.00%				
81) 2,4,6-Tribromophenol	7.913	330	5365	1.240	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 62.00%				
98) 4-Terphenyl-d14	10.135	244	25842	0.647	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.70%				

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-08.D
Acq On : 23 Nov 2024 11:26 pm
Operator : Dakota:ek
Sample : L2467934-08,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 24 08:58:42 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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.		
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.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-08.D
Acq On : 23 Nov 2024 11:26 pm
Operator : Dakota:ek
Sample : L2467934-08,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 24 08:58:42 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	NDPA/DPA	0.000		0	N.D.		
82)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
89)	Atrazine	0.000		0	N.D.		
93)	Carbazole	0.000		0	N.D.		
94)	Di-n-butylphthalate	0.000		0	N.D.		
99)	Butyl benzyl phthalate	0.000		0	N.D.		
108)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
110)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111)	Di-n-octylphthalate	0.000		0	N.D.	d	

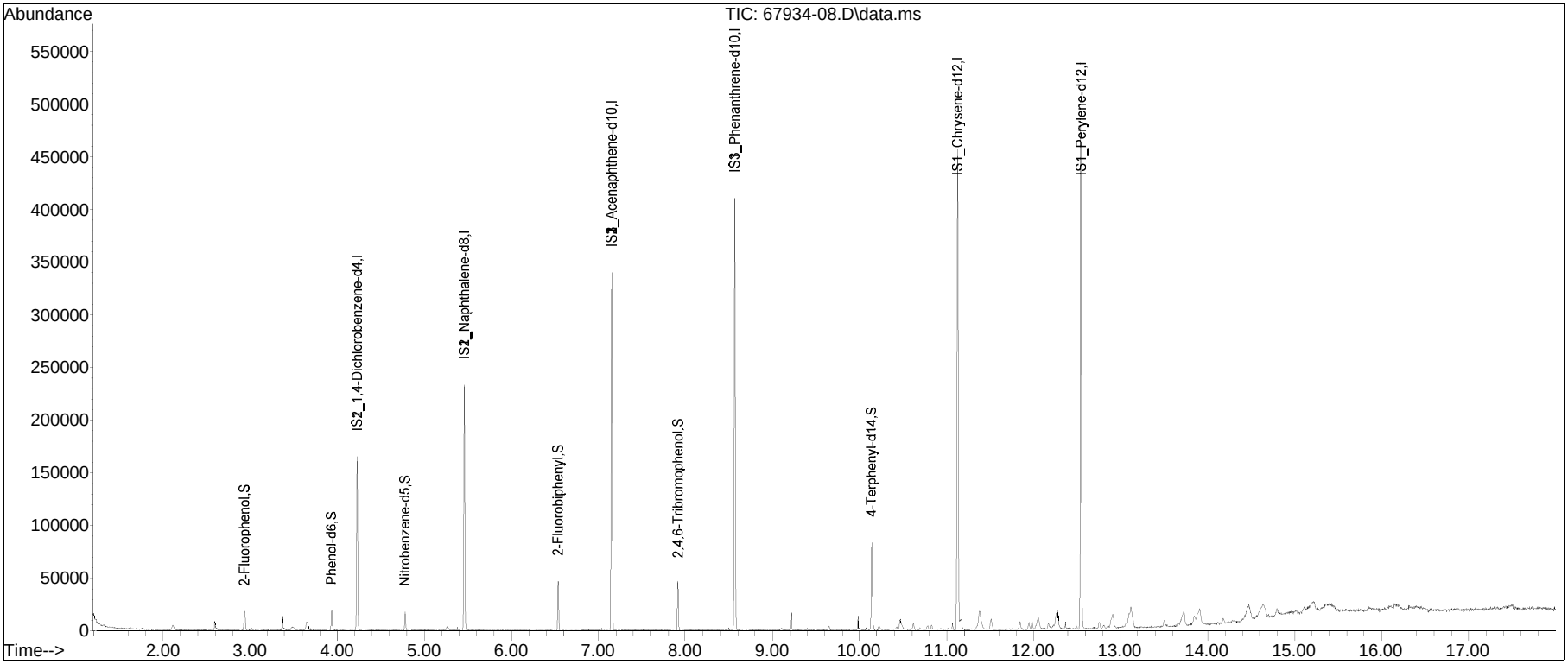
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-08.D
Acq On : 23 Nov 2024 11:26 pm
Operator : Dakota:ek
Sample : L2467934-08,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 24 08:58:42 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91123.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-08.D	Operator	: Dakota:ek
Date Inj'd	: 11/23/2024 11:26 pm	Instrument	: Dakota
Sample	: L2467934-08,32,,cmm	Quant Date	: 11/23/2024 11:44 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-09.D
Acq On : 23 Nov 2024 11:48 pm
Operator : Dakota:ek
Sample : L2467934-09,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 24 09:17:50 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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...	4.226	152	23933	4.000	ug/ml		0.00
Standard Area 1 = 26746			Recovery = 89.48%				
27) IS2_1,4-Dichlorobenzen...	4.226	152	23933	4.000	ug/ml		0.00
Standard Area 3 = 24842			Recovery = 96.34%				
37) IS1_Naphthalene-d8	5.463	136	88275	4.000	ug/ml	#	0.00
Standard Area 1 = 105446			Recovery = 83.72%				
57) IS2_Naphthalene-d8	5.463	136	88275	4.000	ug/ml	#	0.00
Standard Area 3 = 98292			Recovery = 89.81%				
65) IS1_Acenaphthene-d10	7.154	164	56206	4.000	ug/ml		0.00
Standard Area 1 = 72361			Recovery = 77.67%				
85) IS2_Acenaphthene-d10	7.154	164	56206	4.000	ug/ml		0.00
Standard Area 3 = 67111			Recovery = 83.75%				
88) IS3_Acenaphthene-d10	7.154	164	56206	4.000	ug/ml		0.00
Standard Area 2 = 67172			Recovery = 83.67%				
90) IS1_Phenanthrene-d10	8.565	188	128134	4.000	ug/ml		0.00
Standard Area 1 = 160365			Recovery = 79.90%				
102) IS3_Phenanthrene-d10	8.565	188	128134	4.000	ug/ml		0.00
Standard Area 2 = 159399			Recovery = 80.39%				
106) IS1_Chrysene-d12	11.130	240	148486	4.000	ug/ml		0.00
Standard Area 1 = 195962			Recovery = 75.77%				
115) IS1_Perylene-d12	12.547	264	172863	4.000	ug/ml		0.00
Standard Area 1 = 235211			Recovery = 73.49%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.934	112	5699	0.926	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.30%				
7) Phenol-d6	3.931	99	4793	0.608	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.40%				
19) Nitrobenzene-d5	4.783	82	4890	0.684	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.40%				
48) 2-Fluorobiphenyl	6.539	172	13353	0.611	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.10%				
81) 2,4,6-Tribromophenol	7.910	330	5345	1.330	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 66.50%				
98) 4-Terphenyl-d14	10.135	244	26224	0.707	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.70%				

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-09.D
Acq On : 23 Nov 2024 11:48 pm
Operator : Dakota:ek
Sample : L2467934-09,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 24 09:17:50 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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.	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.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-09.D
Acq On : 23 Nov 2024 11:48 pm
Operator : Dakota:ek
Sample : L2467934-09,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 24 09:17:50 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	NDPA/DPA	0.000		0	N.D.		
82)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
89)	Atrazine	0.000		0	N.D.		
93)	Carbazole	0.000		0	N.D.		
94)	Di-n-butylphthalate	0.000		0	N.D.		
99)	Butyl benzyl phthalate	0.000		0	N.D.		
108)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
110)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111)	Di-n-octylphthalate	0.000		0	N.D.	d	

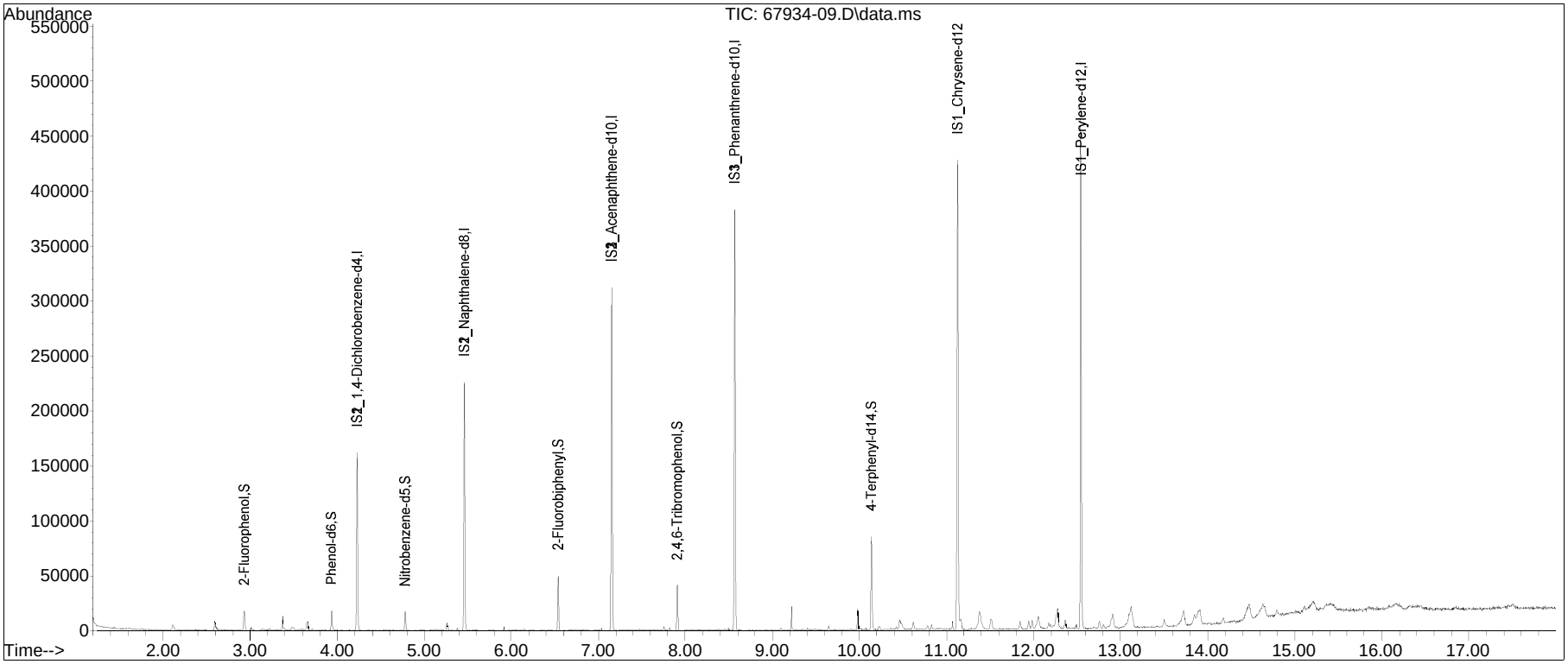
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-09.D
Acq On : 23 Nov 2024 11:48 pm
Operator : Dakota:ek
Sample : L2467934-09,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 24 09:17:50 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91123.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-09.D	Operator	: Dakota:ek
Date Inj'd	: 11/23/2024 11:48 pm	Instrument	: Dakota
Sample	: L2467934-09,32,,cmm	Quant Date	: 11/24/2024 9:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-10.D
Acq On : 24 Nov 2024 12:11 am
Operator : Dakota:ek
Sample : L2467934-10,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 24 08:59:38 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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...	4.227	152	24797	4.000	ug/ml	0.00
Standard Area 1 = 26746			Recovery = 92.71%			
27) IS2_1,4-Dichlorobenzen...	4.227	152	24797	4.000	ug/ml	0.00
Standard Area 3 = 24842			Recovery = 99.82%			
37) IS1_Naphthalene-d8	5.464	136	92141	4.000	ug/ml	# 0.00
Standard Area 1 = 105446			Recovery = 87.38%			
57) IS2_Naphthalene-d8	5.464	136	92141	4.000	ug/ml	# 0.00
Standard Area 3 = 98292			Recovery = 93.74%			
65) IS1_Acenaphthene-d10	7.155	164	57405	4.000	ug/ml	0.00
Standard Area 1 = 72361			Recovery = 79.33%			
85) IS2_Acenaphthene-d10	7.155	164	57405	4.000	ug/ml	0.00
Standard Area 3 = 67111			Recovery = 85.54%			
88) IS3_Acenaphthene-d10	7.155	164	57405	4.000	ug/ml	0.00
Standard Area 2 = 67172			Recovery = 85.46%			
90) IS1_Phenanthrene-d10	8.566	188	130303	4.000	ug/ml	0.00
Standard Area 1 = 160365			Recovery = 81.25%			
102) IS3_Phenanthrene-d10	8.566	188	130303	4.000	ug/ml	0.00
Standard Area 2 = 159399			Recovery = 81.75%			
106) IS1_Chrysene-d12	11.130	240	148057	4.000	ug/ml	0.00
Standard Area 1 = 195962			Recovery = 75.55%			
115) IS1_Perylene-d12	12.547	264	175128	4.000	ug/ml	0.00
Standard Area 1 = 235211			Recovery = 74.46%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.931	112	6128	0.961	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 48.05%			
7) Phenol-d6	3.931	99	5226	0.640	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.00%			
19) Nitrobenzene-d5	4.780	82	5383	0.727	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.70%			
48) 2-Fluorobiphenyl	6.539	172	14754	0.647	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.70%			
81) 2,4,6-Tribromophenol	7.913	330	6003	1.463	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 73.15%			
98) 4-Terphenyl-d14	10.135	244	26167	0.694	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.40%			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-10.D
Acq On : 24 Nov 2024 12:11 am
Operator : Dakota:ek
Sample : L2467934-10,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 24 08:59:38 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.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	3.944	94	1250	0.142	ug/ml#	65
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.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-10.D
Acq On : 24 Nov 2024 12:11 am
Operator : Dakota:ek
Sample : L2467934-10,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 24 08:59:38 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	NDPA/DPA	0.000		0	N.D.		
82)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
89)	Atrazine	0.000		0	N.D.		
93)	Carbazole	0.000		0	N.D.		
94)	Di-n-butylphthalate	0.000		0	N.D.		
99)	Butyl benzyl phthalate	0.000		0	N.D.		
108)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
110)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111)	Di-n-octylphthalate	0.000		0	N.D.	d	

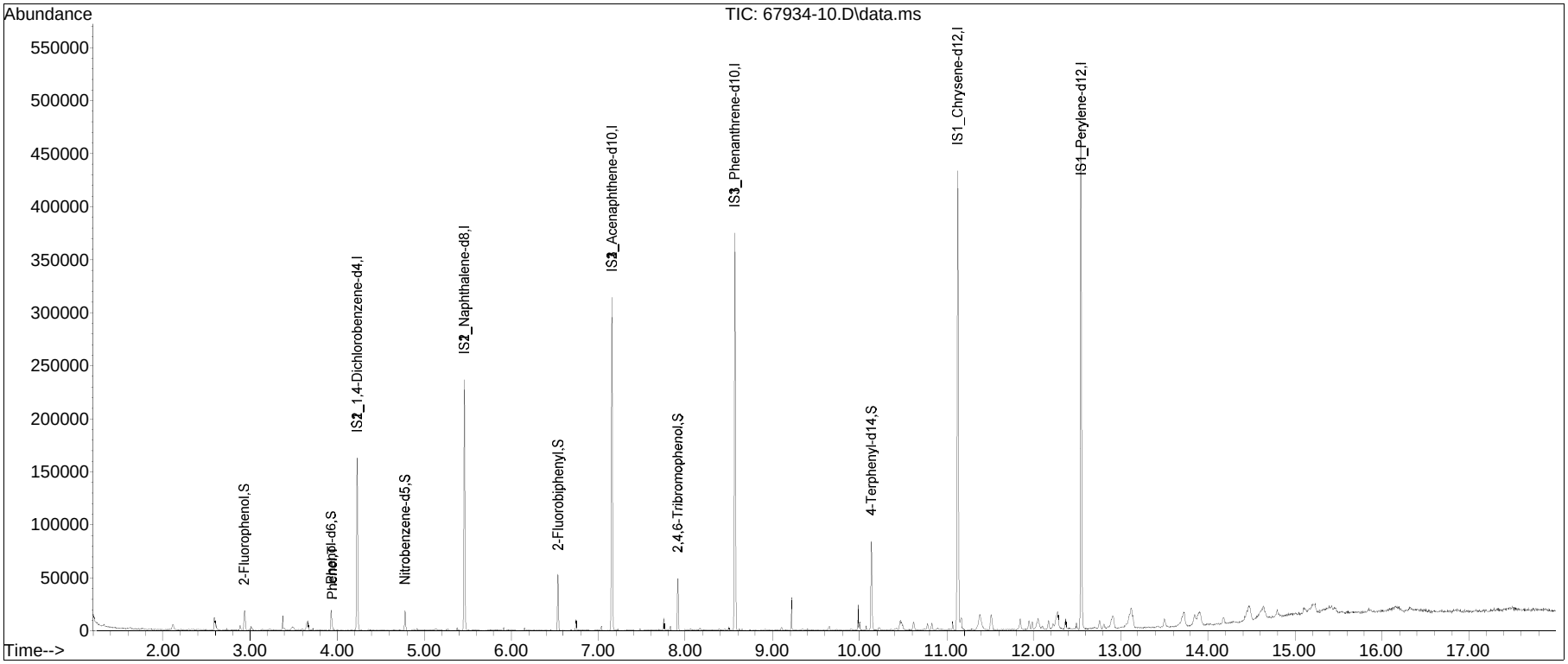
(#) = qualifier out of range (m) = manual integration (+) = signals summed

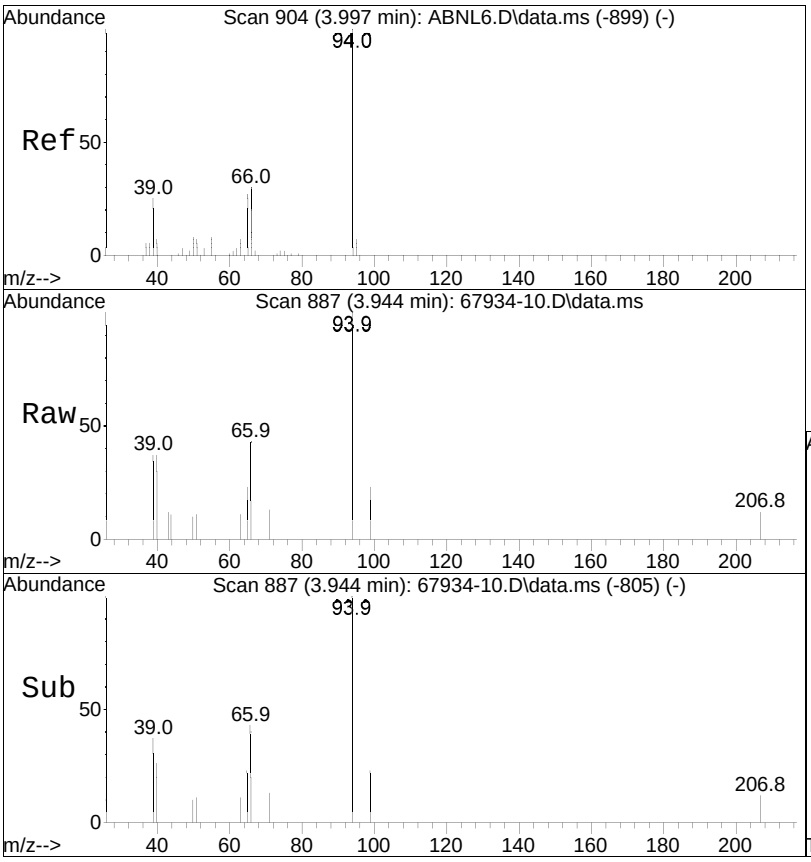
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 67934-10.D
Acq On : 24 Nov 2024 12:11 am
Operator : Dakota:ek
Sample : L2467934-10,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 24 08:59:38 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91123.D•

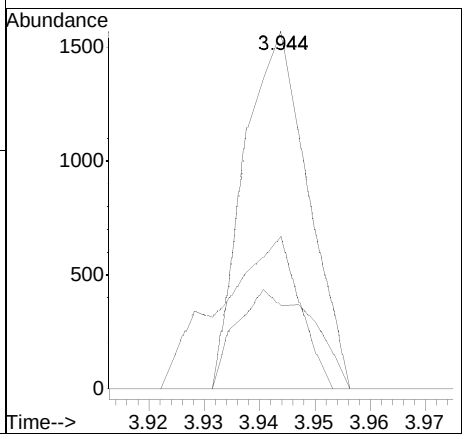




#8
Phenol
Concen: 0.14 ug/ml
RT: 3.944 min Scan# 887
Delta R.T. 0.003 min
Lab File: 67934-10.D
Acq: 24 Nov 2024 12:11 am

Tgt Ion: 94 Resp: 1250

Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	52.8	33.8	50.8#



Manual Integration Report

Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-10.D	Operator	: Dakota:ek
Date Inj'd	: 11/24/2024 12:11 am	Instrument	: Dakota
Sample	: L2467934-10,32,,cmm	Quant Date	: 11/24/2024 0:29 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241124RVT\
Data File : 67934-01.D
Acq On : 24 Nov 2024 5:42 pm
Operator : Dakota:smz
Sample : L2467934-01,32,,cmm
Misc : wg2001636,WG2001353,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 25 11:40:13 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241124RVT\ABN1124.D
: 2 - I:\8270\Dakota\241124RVT\ADP1124.D
: 3 - I:\8270\Dakota\241124RVT\AP91124.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...	4.223	152	21050	4.000	ug/ml		0.00
Standard Area 1 = 27700			Recovery = 75.99%				
27) IS2_1,4-Dichlorobenzen...	4.223	152	21050	4.000	ug/ml		0.00
Standard Area 3 = 25656			Recovery = 82.05%				
37) IS1_Naphthalene-d8	5.464	136	81955	4.000	ug/ml	#	0.00
Standard Area 1 = 104986			Recovery = 78.06%				
57) IS2_Naphthalene-d8	5.464	136	81955	4.000	ug/ml	#	0.00
Standard Area 3 = 98582			Recovery = 83.13%				
65) IS1_Acenaphthene-d10	7.154	164	53126	4.000	ug/ml		0.00
Standard Area 1 = 66238			Recovery = 80.20%				
85) IS2_Acenaphthene-d10	7.154	164	53126	4.000	ug/ml		0.00
Standard Area 3 = 66660			Recovery = 79.70%				
88) IS3_Acenaphthene-d10	7.154	164	53126	4.000	ug/ml		0.00
Standard Area 2 = 62405			Recovery = 85.13%				
90) IS1_Phenanthrene-d10	8.565	188	122929	4.000	ug/ml		0.00
Standard Area 1 = 140148			Recovery = 87.71%				
102) IS3_Phenanthrene-d10	8.565	188	122929	4.000	ug/ml		0.00
Standard Area 2 = 143945			Recovery = 85.40%				
106) IS1_Chrysene-d12	11.130	240	146054	4.000	ug/ml		0.00
Standard Area 1 = 174052			Recovery = 83.91%				
115) IS1_Perylene-d12	12.547	264	177503	4.000	ug/ml		0.00
Standard Area 1 = 216090			Recovery = 82.14%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.930	112	5318	0.983	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 49.15%				
7) Phenol-d6	3.928	99	4653	0.671	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.55%				
19) Nitrobenzene-d5	4.780	82	4388	0.698	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.80%				
48) 2-Fluorobiphenyl	6.536	172	12431	0.613	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.30%				
81) 2,4,6-Tribromophenol	7.913	330	5470	1.440	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 72.00%				
98) 4-Terphenyl-d14	10.135	244	25844	0.727	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.70%				

Data Path : I:\8270\Dakota\241124RVT\
Data File : 67934-01.D
Acq On : 24 Nov 2024 5:42 pm
Operator : Dakota:smz
Sample : L2467934-01,32,,cmm
Misc : wg2001636,WG2001353,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 25 11:40:13 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241124RVT\ABN1124.D
: 2 - I:\8270\Dakota\241124RVT\ADP1124.D
: 3 - I:\8270\Dakota\241124RVT\AP91124.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.	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	4.646	105	1698	0.230	ug/ml#	72
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241124RVT\
Data File : 67934-01.D
Acq On : 24 Nov 2024 5:42 pm
Operator : Dakota:smz
Sample : L2467934-01,32,,cmm
Misc : wg2001636,WG2001353,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 25 11:40:13 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241124RVT\ABN1124.D
: 2 - I:\8270\Dakota\241124RVT\ADP1124.D
: 3 - I:\8270\Dakota\241124RVT\AP91124.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	NDPA/DPA	0.000		0	N.D.		
82)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
89)	Atrazine	0.000		0	N.D.		
93)	Carbazole	0.000		0	N.D.		
94)	Di-n-butylphthalate	0.000		0	N.D.	d	
99)	Butyl benzyl phthalate	0.000		0	N.D.		
108)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
110)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111)	Di-n-octylphthalate	0.000		0	N.D.	d	

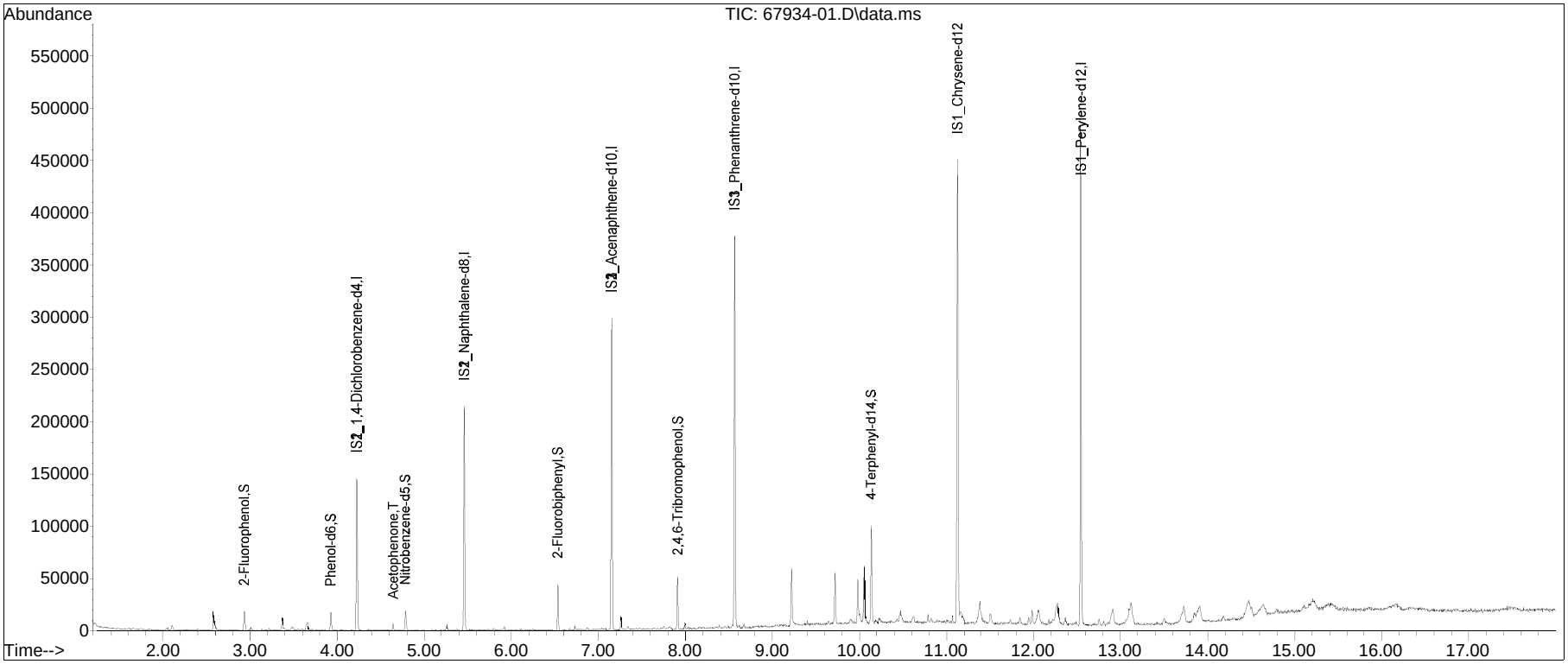
(#) = qualifier out of range (m) = manual integration (+) = signals summed

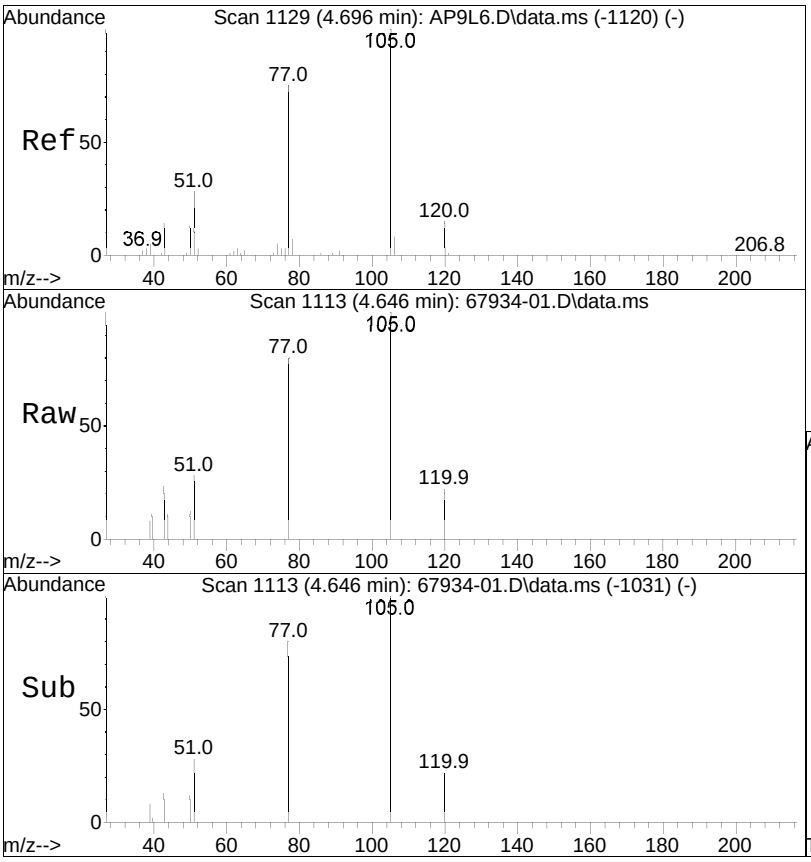
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241124RVT\
Data File : 67934-01.D
Acq On : 24 Nov 2024 5:42 pm
Operator : Dakota:smz
Sample : L2467934-01,32,,cmm
Misc : wg2001636,WG2001353,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 25 11:40:13 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91124.D•

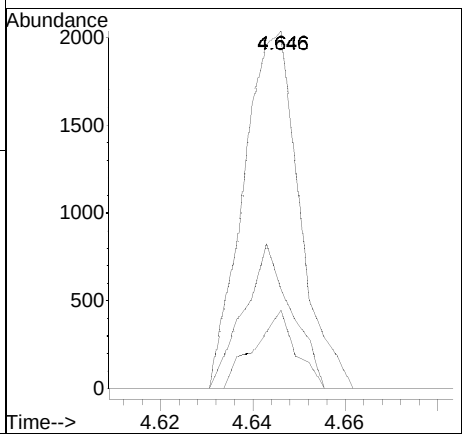




#29
Acetophenone
Concen: 0.23 ug/ml
RT: 4.646 min Scan# 1113
Delta R.T. 0.006 min
Lab File: 67934-01.D
Acq: 24 Nov 2024 5:42 pm

Tgt Ion:105 Resp: 1698

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.5	30.7#
51	34.5	34.9	52.3#



Manual Integration Report

Data Path	: I:\8270\Dakota\241124RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-01.D	Operator	: Dakota:smz
Date Inj'd	: 11/24/2024 5:42 pm	Instrument	: Dakota
Sample	: L2467934-01,32,,cmm	Quant Date	: 11/24/2024 6:01 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 67934-04.D
Acq On : 25 Nov 2024 11:30 pm
Operator : Dakota:smz
Sample : L2467934-04,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 09:25:32 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.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...	4.223	152	27596	4.000	ug/ml		0.00
Standard Area 1 = 40101			Recovery = 68.82%				
27) IS2_1,4-Dichlorobenzen...	4.223	152	27596	4.000	ug/ml		0.00
Standard Area 3 = 22985			Recovery = 120.06%				
37) IS1_Naphthalene-d8	5.464	136	108589	4.000	ug/ml	#	0.00
Standard Area 1 = 159893			Recovery = 67.91%				
57) IS2_Naphthalene-d8	5.464	136	108589	4.000	ug/ml	#	0.00
Standard Area 3 = 87939			Recovery = 123.48%				
65) IS1_Acenaphthene-d10	7.151	164	74264	4.000	ug/ml		0.00
Standard Area 1 = 106227			Recovery = 69.91%				
85) IS2_Acenaphthene-d10	7.151	164	74264	4.000	ug/ml		0.00
Standard Area 3 = 58300			Recovery = 127.38%				
88) IS3_Acenaphthene-d10	7.151	164	74264	4.000	ug/ml		0.00
Standard Area 2 = 54188			Recovery = 137.05%				
90) IS1_Phenanthrene-d10	8.565	188	171338	4.000	ug/ml		0.00
Standard Area 1 = 233287			Recovery = 73.45%				
102) IS3_Phenanthrene-d10	8.565	188	171338	4.000	ug/ml		0.00
Standard Area 2 = 126143			Recovery = 135.83%				
106) IS1_Chrysene-d12	11.127	240	190009	4.000	ug/ml		0.00
Standard Area 1 = 278188			Recovery = 68.30%				
115) IS1_Perylene-d12	12.544	264	224118	4.000	ug/ml		0.00
Standard Area 1 = 327345			Recovery = 68.47%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.934	112	4715	0.665	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.25%				
7) Phenol-d6	3.928	99	4196	0.462	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 23.10%				
19) Nitrobenzene-d5	4.780	82	6565	0.796	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.60%				
48) 2-Fluorobiphenyl	6.536	172	18286	0.680	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.00%				
81) 2,4,6-Tribromophenol	7.910	330	6039	1.138	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 56.90%				
98) 4-Terphenyl-d14	10.132	244	33633	0.678	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.80%				

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 67934-04.D
Acq On : 25 Nov 2024 11:30 pm
Operator : Dakota:smz
Sample : L2467934-04,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 09:25:32 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.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.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 67934-04.D
Acq On : 25 Nov 2024 11:30 pm
Operator : Dakota:smz
Sample : L2467934-04,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 09:25:32 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	NDPA/DPA	0.000		0	N.D.		
82)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
89)	Atrazine	0.000		0	N.D.		
93)	Carbazole	0.000		0	N.D.		
94)	Di-n-butylphthalate	0.000		0	N.D.		
99)	Butyl benzyl phthalate	0.000		0	N.D.		
108)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
110)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111)	Di-n-octylphthalate	0.000		0	N.D.	d	

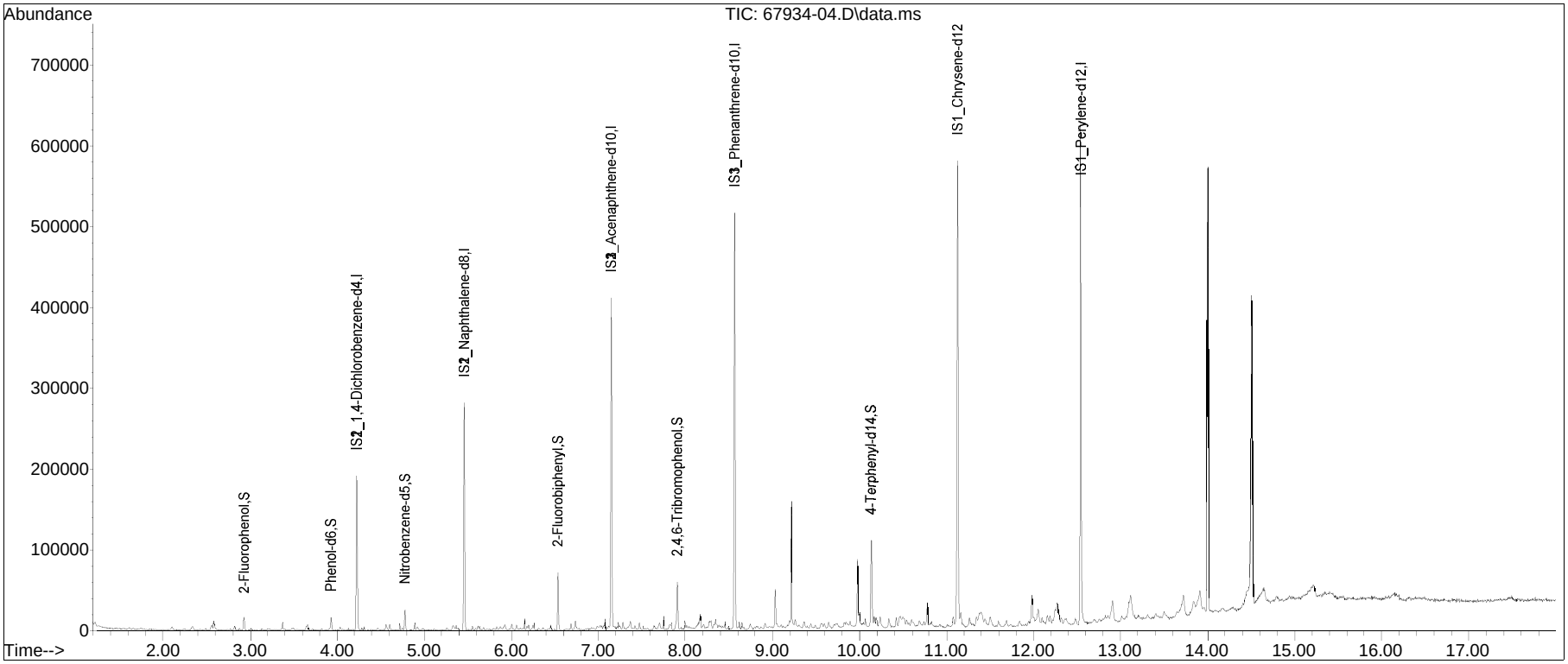
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 67934-04.D
Acq On : 25 Nov 2024 11:30 pm
Operator : Dakota:smz
Sample : L2467934-04,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 09:25:32 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91125n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241125NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-04.D	Operator	: Dakota:smz
Date Inj'd	: 11/25/2024 11:30 pm	Instrument	: Dakota
Sample	: L2467934-04,32,,ASK	Quant Date	: 11/25/2024 11:48 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 67934-05.D
Acq On : 26 Nov 2024 12:37 am
Operator : Dakota:smz
Sample : L2467934-05,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 26 09:26:01 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.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...	4.223	152	29023	4.000	ug/ml		0.00
Standard Area 1 = 40101			Recovery = 72.37%				
27) IS2_1,4-Dichlorobenzen...	4.223	152	29023	4.000	ug/ml		0.00
Standard Area 3 = 22985			Recovery = 126.27%				
37) IS1_Naphthalene-d8	5.464	136	112451	4.000	ug/ml	#	0.00
Standard Area 1 = 159893			Recovery = 70.33%				
57) IS2_Naphthalene-d8	5.464	136	112451	4.000	ug/ml	#	0.00
Standard Area 3 = 87939			Recovery = 127.87%				
65) IS1_Acenaphthene-d10	7.151	164	74500	4.000	ug/ml		0.00
Standard Area 1 = 106227			Recovery = 70.13%				
85) IS2_Acenaphthene-d10	7.151	164	74500	4.000	ug/ml		0.00
Standard Area 3 = 58300			Recovery = 127.79%				
88) IS3_Acenaphthene-d10	7.151	164	74500	4.000	ug/ml		0.00
Standard Area 2 = 54188			Recovery = 137.48%				
90) IS1_Phenanthrene-d10	8.566	188	167467	4.000	ug/ml		0.00
Standard Area 1 = 233287			Recovery = 71.79%				
102) IS3_Phenanthrene-d10	8.566	188	167467	4.000	ug/ml		0.00
Standard Area 2 = 126143			Recovery = 132.76%				
106) IS1_Chrysene-d12	11.127	240	189734	4.000	ug/ml		0.00
Standard Area 1 = 278188			Recovery = 68.20%				
115) IS1_Perylene-d12	12.544	264	223500	4.000	ug/ml		0.00
Standard Area 1 = 327345			Recovery = 68.28%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.930	112	3973	0.532	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.60%				
7) Phenol-d6	3.931	99	3653	0.382	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 19.10%				
19) Nitrobenzene-d5	4.777	82	5194	0.599	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.90%				
48) 2-Fluorobiphenyl	6.536	172	13727	0.493	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 49.30%				
81) 2,4,6-Tribromophenol	7.910	330	5834	1.096	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 54.80%				
98) 4-Terphenyl-d14	10.132	244	27021	0.558	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 55.80%				

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 67934-05.D
Acq On : 26 Nov 2024 12:37 am
Operator : Dakota:smz
Sample : L2467934-05,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 26 09:26:01 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.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.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
73) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 67934-05.D
Acq On : 26 Nov 2024 12:37 am
Operator : Dakota:smz
Sample : L2467934-05,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 26 09:26:01 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
89) Atrazine	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	0.000		0	N.D.		
99) Butyl benzyl phthalate	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111) Di-n-octylphthalate	0.000		0	N.D.	d	

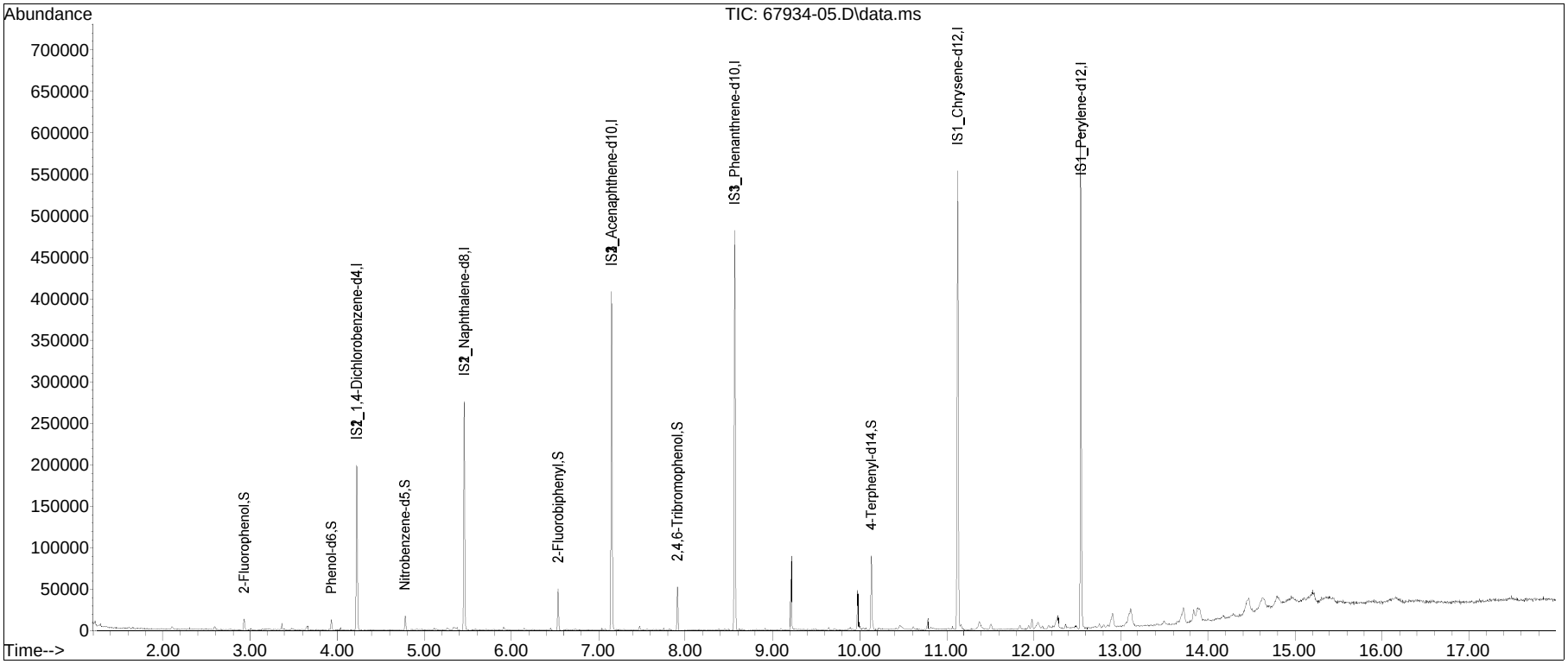
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 67934-05.D
Acq On : 26 Nov 2024 12:37 am
Operator : Dakota:smz
Sample : L2467934-05,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 26 09:26:01 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91125n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241125NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67934-05.D	Operator	: Dakota:smz
Date Inj'd	: 11/26/2024 12:37 am	Instrument	: Dakota
Sample	: L2467934-05,32,,ASK	Quant Date	: 11/26/2024 0:56 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**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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	0.688	0.547	0.631	0.657	0.592	0.619	0.625	0.637	0.677	0.630	6.87
3)	t	Pyridine	0.718	0.742	0.925	1.043	0.961	1.016	1.039	1.024	1.118	0.954	14.48
4)	S	2-Fluorophenol	1.049	1.004	1.119	1.011	0.907	1.005	1.012	1.034	1.114	1.028	6.19
5)	T	Aniline	1.820	1.428	1.670	1.497	1.407	1.535	1.513	1.561	1.671	1.567	8.42
6)	t	2-Chlorophenol	1.412	1.055	1.248	1.201	1.124	1.210	1.219	1.242	1.314	1.225	8.34
7)	S	Phenol-d6	1.562	1.289	1.387	1.281	1.108	1.276	1.276	1.308	1.365	1.317	9.16
8)	T	Phenol	1.717	1.324	1.459	1.383	1.257	1.388	1.373	1.397	1.488	1.421	9.16
9)	T	bis(2-Chloroethyl)ether	1.289	0.906	1.073	0.962	0.928	0.981	0.987	0.993	1.037	1.017	11.18
10)	T	1,3-Dichlorobenzene	1.989	1.455	1.700	1.552	1.372	1.510	1.497	1.511	1.602	1.577	11.40
11)	T	1,4-Dichlorobenzene	2.118	1.551	1.603	1.571	1.432	1.536	1.512	1.529	1.633	1.610	12.35
12)	T	1,2-Dichlorobenzene	1.695	1.566	1.655	1.525	1.383	1.466	1.447	1.489	1.583	1.534	6.57
13)	t	Benzyl alcohol	1.016	0.858	0.891	0.896	0.818	0.912	0.930	0.995	1.055	0.930	8.32
14)	T	bis(2-chloroisopropyl)ether	2.239	1.745	1.843	1.773	1.610	1.706	1.707	1.728	1.793	1.794	9.98
15)	T	2-Methylphenol	1.301	1.037	1.137	1.033	0.949	1.014	1.050	1.065	1.130	1.079	9.34
16)	T	Hexachloroethane	0.791	0.505	0.620	0.596	0.507	0.543	0.558	0.571	0.615	0.589	14.63
17)	T	n-Nitrosodi-n-propylamine	1.121	0.834	0.856	0.811	0.724	0.813	0.829	0.866	0.909	0.863	12.65
18)	T	3-Methylphenol/4-Methylphenol	1.510	1.200	1.173	1.153	0.986	1.108	1.108	1.166	1.239	1.182	12.02
19)	S	Nitrobenzene-d5	1.239	1.148	1.175	1.191	1.071	1.176	1.187	1.238	1.328	1.195	5.92
20)	T	Nitrobenzene	1.353	1.122	1.287	1.162	1.081	1.203	1.212	1.254	1.326	1.222	7.51
21)	T	Isophorone	2.724	2.161	2.268	2.038	1.932	2.172	2.181	2.313	2.433	2.247	10.29
22)	T	2-Nitrophenol	0.655	0.587	0.609	0.564	0.538	0.598	0.623	0.674	0.721	0.619	9.18
23)	T	2,4-Dimethylphenol	1.368	1.006	1.085	1.051	0.963	1.062	1.074	1.108	1.188	1.101	10.75
24)	T	bis(2-Chloroethoxy)methane	1.605	1.319	1.550	1.332	1.236	1.352	1.353	1.401	1.451	1.400	8.36
25)	T	2,4-Dichlorophenol	1.548	1.174	1.340	1.190	1.118	1.246	1.245	1.307	1.399	1.285	10.22
26)	T	1,2,4-Trichlorobenzene	1.977	1.522	1.585	1.488	1.349	1.476	1.475	1.515	1.611	1.555	11.25
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.535	0.565	0.698	0.703	0.698	0.762	0.770	0.814	0.786	0.703	13.73
29)	T	Acetophenone	1.107	1.282	1.407	1.330	1.361	1.463	1.521	1.608	1.552	1.403	11.02
30)	T	m-Toluidine			1.080	1.092	1.257	1.323	1.390	1.457	1.409	1.287	11.76
31)	T	2-Chloroaniline	1.078	1.270	1.369	1.264	1.363	1.427	1.471	1.559	1.510	1.368	10.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.252	0.402	0.398	0.392	0.404	0.400	0.409	0.392	0.381	13.71
34)	t	n-Nitrosodieth		0.349	0.372	0.347	0.382	0.401	0.414	0.437	0.420	0.390	8.57
35)	T	n-Decane	0.828	1.074	1.101	0.967	1.017	1.097	1.087	1.158	1.107	1.048	9.45
36)	t	n-Nitrosopyrro	0.287	0.406	0.461	0.431	0.441	0.486	0.521	0.550	0.537	0.458	17.68

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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) I	IS1_Naphthalene-d8	----------ISTD----------										
38) T	Naphthalene	1.453	1.116	1.167	1.048	0.965	1.022	1.010	1.038	1.082	1.100	13.19
39) T	Benzoic Acid					0.170	0.206	0.226	0.257	0.279	0.228	18.76
40) T	4-Chloroaniline	0.150	0.114	0.123	0.117	0.108	0.118	0.114	0.119	0.125	0.121	9.98
41) T	Hexachlorobutadiene	0.298	0.234	0.285	0.254	0.231	0.250	0.249	0.255	0.270	0.258	8.55
42) T	p-Chloro-m-cresol	0.342	0.278	0.308	0.267	0.246	0.280	0.275	0.298	0.315	0.290	9.94
43) T	2-Methylnaphthalene	1.045	0.738	0.807	0.705	0.659	0.700	0.706	0.729	0.763	0.761	15.02
44) T	1-Methylnaphthalene	0.321	0.228	0.254	0.233	0.207	0.232	0.225	0.231	0.246	0.242	13.41
45) T	Hexachlorocyclopentadiene	0.297	0.225	0.280	0.262	0.240	0.269	0.274	0.291	0.311	0.272	10.00
46) T	2,4,6-Trichlorophenol	0.326	0.279	0.279	0.267	0.250	0.278	0.282	0.300	0.320	0.287	8.51
47) T	2,4,5-Trichlorophenol	0.399	0.300	0.312	0.309	0.278	0.301	0.313	0.325	0.347	0.320	10.95
48) S	2-Fluorobiphenyl	1.386	0.978	1.052	0.941	0.852	0.912	0.902	0.920	0.968	0.990	16.04
49) T	2-Chloronaphthalene	1.113	0.897	0.884	0.813	0.728	0.799	0.774	0.811	0.853	0.852	13.02
50) T	2-Nitroaniline	0.220	0.198	0.212	0.207	0.184	0.216	0.223	0.243	0.260	0.218	10.43
51) T	1,4-Dinitrobenzene	0.093	0.063	0.090	0.090	0.086	0.094	0.101	0.113	0.122	0.095	17.69
52) T	1,3-Dinitrobenzene	0.108	0.093	0.120	0.105	0.098	0.114	0.117	0.129	0.137	0.113	12.53
53) T	Dimethyl phthalate	1.318	0.991	1.021	0.936	0.866	0.923	0.912	0.953	0.998	0.991	13.29
54) T	Acenaphthylene	1.586	1.204	1.302	1.203	1.092	1.183	1.181	1.230	1.286	1.252	11.14
55) T	2,6-Dinitrotoluene	0.192	0.157	0.185	0.174	0.167	0.186	0.187	0.201	0.215	0.185	9.50
56) T	1,2-Dinitrobenzene		0.043	0.065	0.067	0.062	0.070	0.069	0.073	0.080	0.066	16.02
57) I	IS2_Naphthalene-d8	----------ISTD----------										
58) T	a-Terpineol	0.162	0.210	0.212	0.213	0.210	0.235	0.239	0.261	0.251	0.221	13.16
59) T	3-Chloroaniline		0.086	0.112	0.111	0.106	0.125	0.121	0.129	0.125	0.115	12.17
60) T	2,6-Dichlorophenol	0.250	0.246	0.297	0.277	0.286	0.319	0.317	0.339	0.329	0.296	11.35
61) T	1-chloro-2-nitrobenzene	0.068	0.091	0.114	0.114	0.114	0.126	0.124	0.137	0.133	0.113	19.26
62) T	Caprolactam	0.115	0.103	0.112	0.114	0.113	0.127	0.132	0.146	0.142	0.123	12.07
63) T	1,2,4,5-Tetrachlorobenzene	0.355	0.419	0.415	0.393	0.401	0.437	0.417	0.450	0.429	0.413	6.76
64) T	Biphenyl	0.719	0.789	0.880	0.804	0.823	0.897	0.870	0.918	0.876	0.842	7.51
65) I	IS1_Acenaphthene-d10	----------ISTD----------										
66) T	3-Nitroaniline	0.312	0.289	0.294	0.288	0.284	0.310	0.324	0.332	0.349	0.309	7.30
67) T	Acenaphthene	1.665	1.203	1.195	1.092	1.004	1.062	1.049	1.077	1.122	1.163	17.13
68) T	2,4-Dinitrophenol				0.130	0.149	0.172	0.185	0.208	0.226	*L	0.9959
69) T	Dibenzofuran	2.796	2.124	2.085	1.944	1.749	1.824	1.814	1.833	1.885	2.006	16.04
70) T	2,4-Dinitrotoluene	0.373	0.326	0.366	0.349	0.361	0.402	0.410	0.433	0.464	0.387	11.29
71) T	4-Nitrophenol	0.229	0.206	0.209	0.221	0.208	0.233	0.237	0.255	0.273	0.230	9.86
72) T	2,3,5,6-Tetrachlorophenol	0.465	0.419	0.459	0.406	0.390	0.425	0.429	0.454	0.481	0.436	6.86

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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	2,3,4,6-Tetrachlorophenol	0.536	0.376	0.418	0.411	0.383	0.413	0.421	0.432	0.461	0.428	11.15	
74)	T	Diethyl phthalate	2.187	1.601	1.621	1.458	1.366	1.435	1.445	1.489	1.570	1.575	15.53	
75)	T	Fluorene	2.060	1.606	1.598	1.495	1.311	1.420	1.399	1.439	1.498	1.536	14.16	
76)	T	4-Chlorophenyl-phenylether	1.099	0.823	0.819	0.767	0.683	0.722	0.716	0.736	0.762	0.792	15.66	
77)	T	4-Nitroaniline	0.236	0.258	0.299	0.296	0.275	0.312	0.317	0.337	0.357	0.299	12.76	
78)	T	4,6-Dinitro-o-cresol	0.240	0.149	0.221	0.215	0.210	0.242	0.251	0.278	0.300	0.234	18.54	
79)	T	NDPA/DPA	1.902	1.355	1.398	1.272	1.134	1.220	1.202	1.245	1.300	1.337	16.94	
80)	T	Azobenzene	1.550	1.299	1.365	1.219	1.116	1.216	1.210	1.254	1.298	1.281	9.61	
81)	S	2,4,6-Tribromophenol	0.315	0.286	0.278	0.265	0.249	0.272	0.276	0.299	0.332	0.286	8.99	
82)	T	4-Bromophenyl-phenylether	0.722	0.544	0.560	0.476	0.442	0.474	0.474	0.485	0.517	0.522	16.10	
83)	T	Hexachlorobenzene	0.895	0.718	0.682	0.616	0.571	0.586	0.579	0.605	0.656	0.656	15.60	
84)	T	Pentachlorophenol	0.372	0.280	0.312	0.320	0.315	0.357	0.379	0.412	0.455	0.356	15.51	
85)	I	IS2_Acenaphthene-d10	----------ISTD----------											
86)	T	Dichloran		0.151	0.132	0.142	0.146	0.165	0.185	0.214	0.217	0.169	19.47	
87)	T	Pentachloronitrobenzene			0.157	0.173	0.164	0.181	0.190	0.220	0.221	0.187	13.74	
88)	I	IS3_Acenaphthene-d10	----------ISTD----------											
89)	T	Atrazine	0.307	0.322	0.368	0.285	0.313	0.342	0.350	0.401	0.400	0.343	11.90	
90)	I	IS1_Phenanthrene-d10	----------ISTD----------											
91)	T	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11	
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06	
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14	
94)	T	Di-n-butylphthalate	1.417	1.094	1.207	1.105	1.064	1.185	1.204	1.275	1.309	1.207	9.42	
95)	T	Fluoranthene	1.943	1.443	1.460	1.351	1.250	1.321	1.315	1.344	1.374	1.422	14.44	
96)	T	Benzidine	0.815	0.657	0.698	0.696	0.708	0.801	0.818	0.853	0.900	0.772	10.90	
97)	T	Pyrene	2.028	1.546	1.562	1.479	1.353	1.429	1.397	1.427	1.456	1.520	13.29	
98)	S	4-Terphenyl-d14	1.660	1.139	1.202	1.092	1.007	1.066	1.052	1.085	1.114	1.157	16.95	
99)	T	Butyl benzyl phthalate	0.567	0.415	0.479	0.447	0.453	0.520	0.541	0.594	0.635	0.517	14.34	
100)	I	IS2_Phenanthrene-d10	----------ISTD----------											
101)	T	Diphenamid	0.347	0.380	0.392	0.377	0.390	0.434	0.456	0.494	0.474	0.416	12.13	
102)	I	IS3_Phenanthrene-d10	----------ISTD----------											
103)	T	n-Octadecane	0.279	0.354	0.355	0.289	0.309	0.332	0.347	0.369	0.369	0.334	10.10	
104)	T	Parathion			0.076	0.062	0.069	0.074	0.086	0.106	0.115		*Q	0.9978
105)	T	3,3'-Dimethylbenzidine				0.425	0.542	0.649	0.734	0.845	0.870		*L	0.9972
106)	I	IS1_Chrysene-d12	----------ISTD----------											
107)	T	Benzo[a]anthracene	1.869	1.383	1.408	1.283	1.164	1.251	1.262	1.278	1.301	1.355	15.16	
108)	T	3,3'-Dichlorobenzidine	0.587	0.439	0.489	0.467	0.455	0.503	0.519	0.533	0.552	0.505	9.52	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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	Chrysene	1.959	1.373	1.454	1.290	1.162	1.224	1.199	1.230	1.250	1.349	18.23
110)	T	bis(2-Ethylhexyl)phthalate	0.831	0.597	0.665	0.632	0.630	0.732	0.775	0.822	0.855	0.726	13.56
111)	T	Di-n-octylphthalate	1.380	1.021	1.044	1.017	1.027	1.217	1.316	1.411	1.473	1.212	15.54
112)	T	Benzo(b)fluoranthene	1.822	1.402	1.469	1.372	1.282	1.313	1.333	1.348	1.437	1.420	11.43
113)	T	Benzo(k)fluoranthene	1.743	1.264	1.425	1.314	1.209	1.355	1.362	1.367	1.409	1.383	10.93
114)	T	Benzo(a)pyrene	1.495	1.196	1.246	1.206	1.127	1.232	1.262	1.289	1.349	1.267	8.34
115)	I	IS1_Perylene-d12	----------ISTD----------										
116)	T	Indeno(1,2,3-cd)pyrene	1.598	1.131	1.193	1.086	1.057	1.169	1.203	1.283	1.387	1.234	13.71
117)	T	Dibenzo[a,h]anthracene	1.503	1.130	1.213	1.140	1.076	1.169	1.186	1.217	1.281	1.213	10.21
118)	T	Benzo(g,h,i)perylene	1.547	1.172	1.230	1.097	1.024	1.118	1.137	1.171	1.234	1.192	12.43

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

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
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

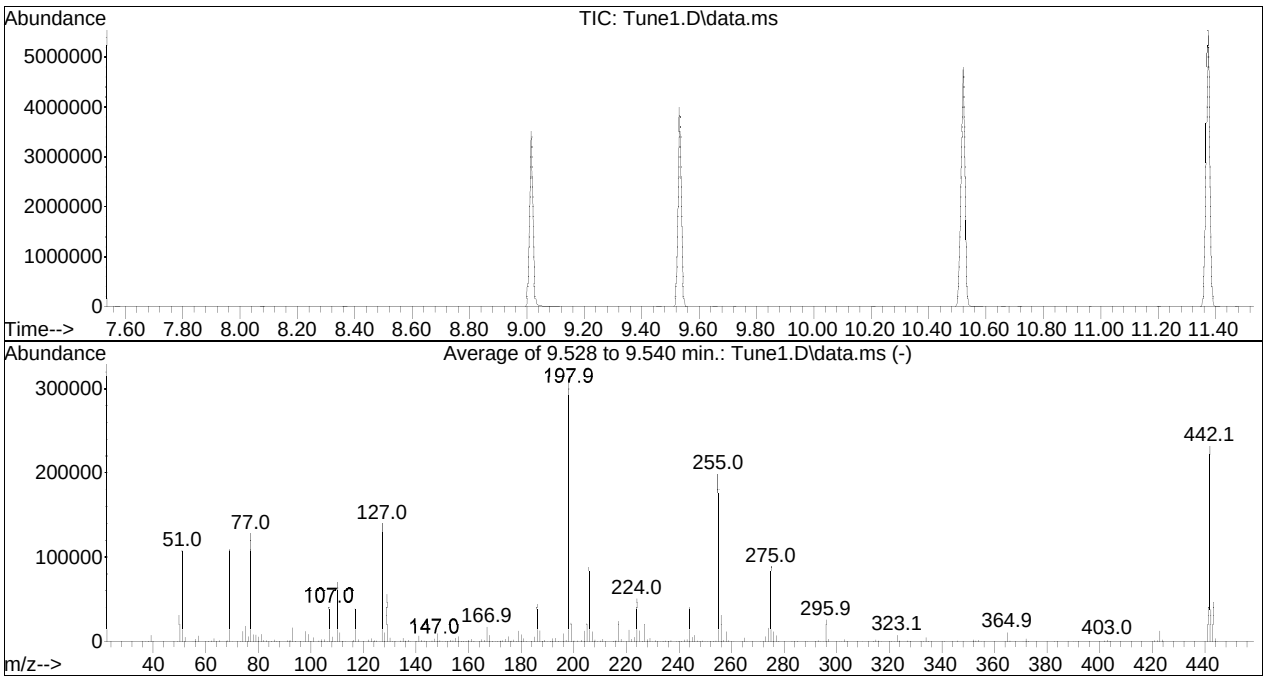
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.052	0.896	1.012	0.948	0.942	0.948	1.001	0.904	0.827	0.948	7.18
92)	T	Di-n-butylphthalate	1.109	0.955	1.058	1.048	1.078	0.981	1.100	1.066	0.910	1.034	6.68
93)	T	Fluoranthene	1.499	1.186	1.326	1.251	1.214	1.178	1.266	1.147	0.982	1.228	11.39
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



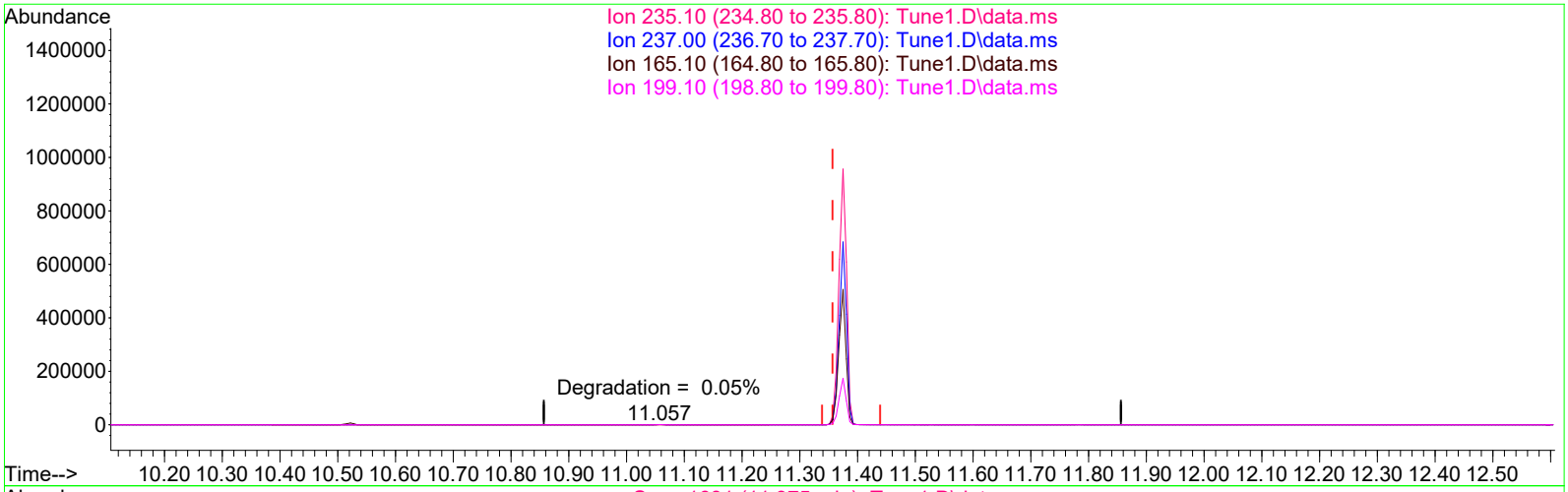
Spectrum Information: Average of 9.528 to 9.540 min.

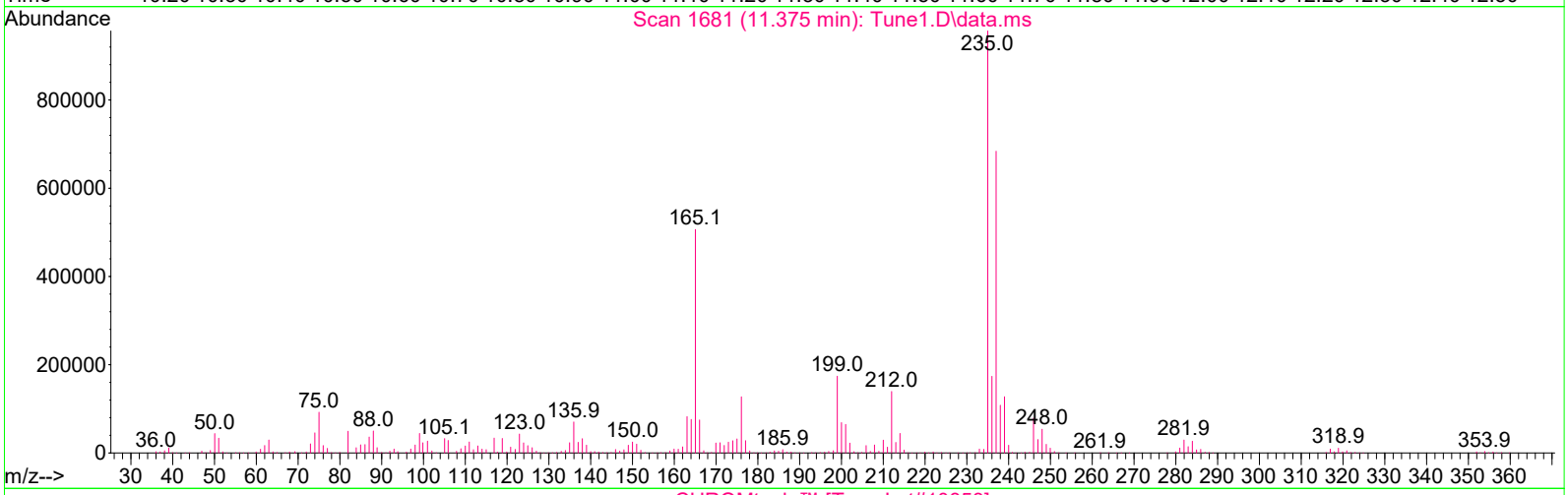
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	107589	PASS
68	69	0.00	2	1.7	1867	PASS
69	69	100	100	100.0	108645	PASS
70	69	0.00	2	0.5	539	PASS
127	198	10	80	44.6	139515	PASS
197	198	0.00	2	0.7	2272	PASS
198	198	100	100	100.0	313131	PASS
199	198	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

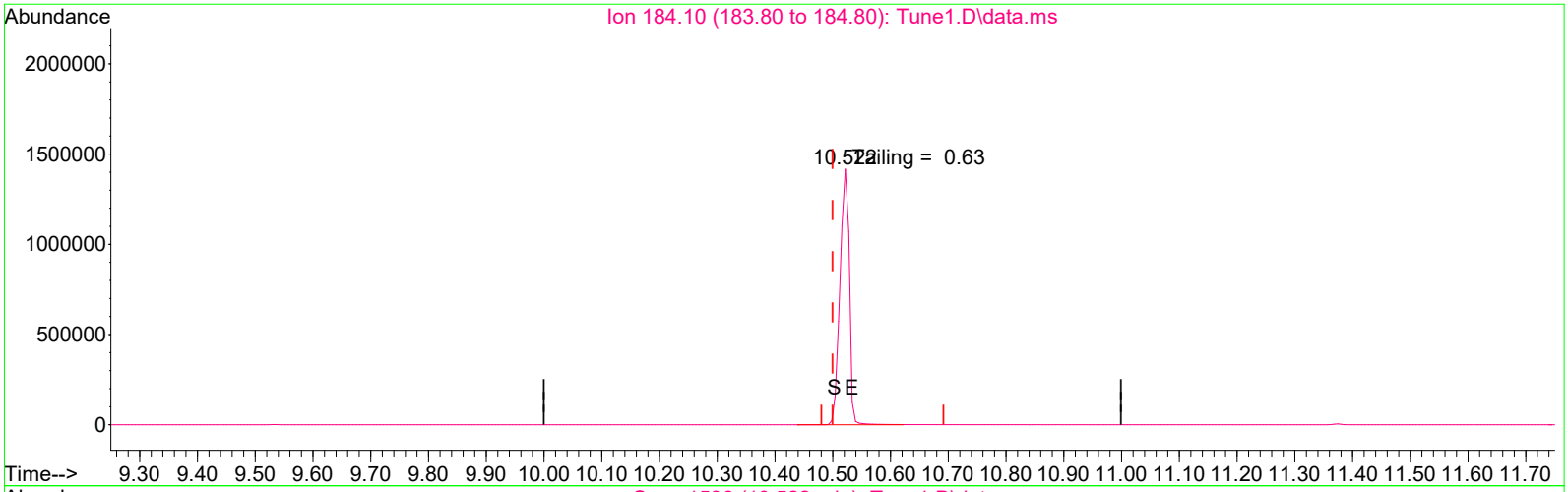
response 889919

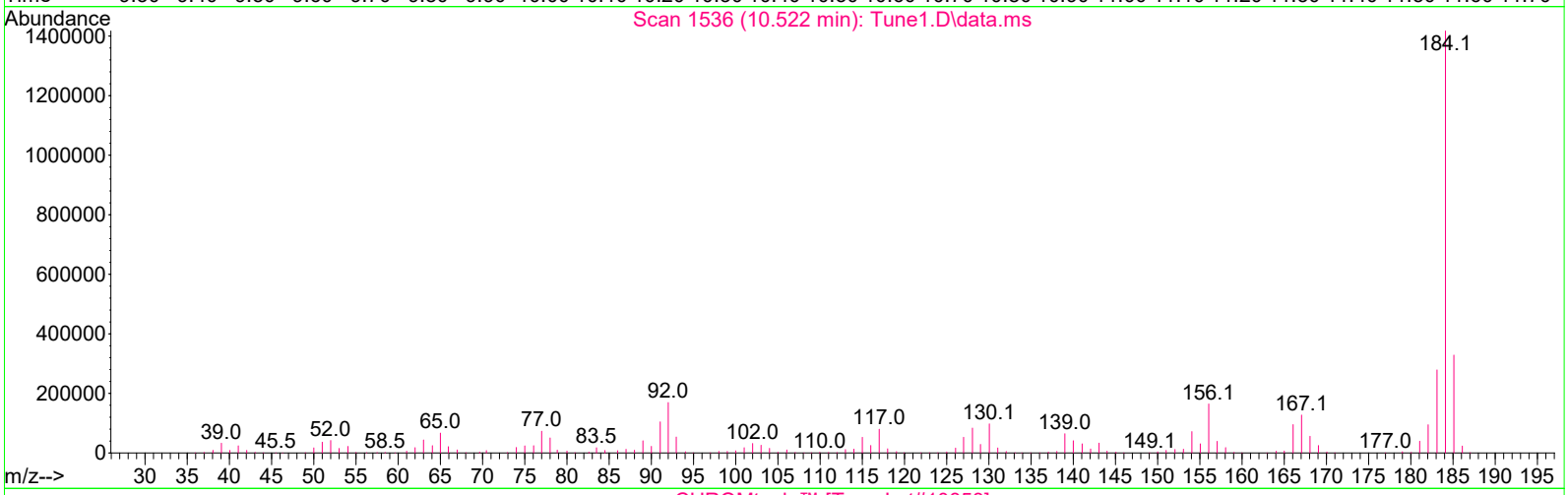
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	68.37
165.10	42.20	49.70
199.10	13.70	16.82

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

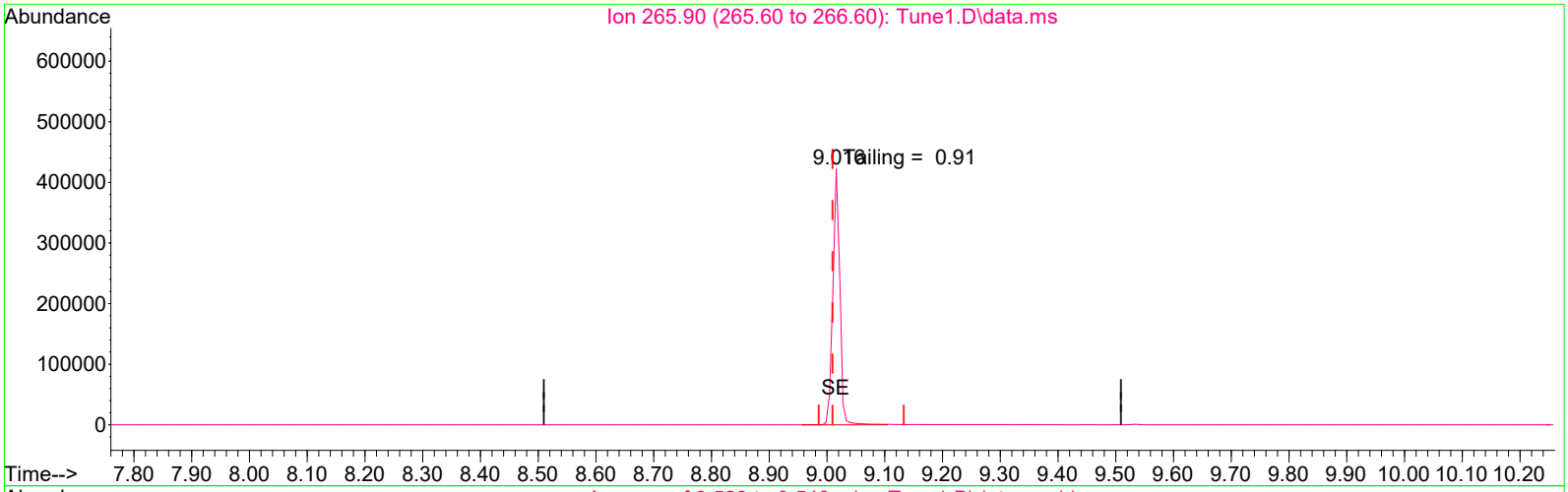
response 1602665

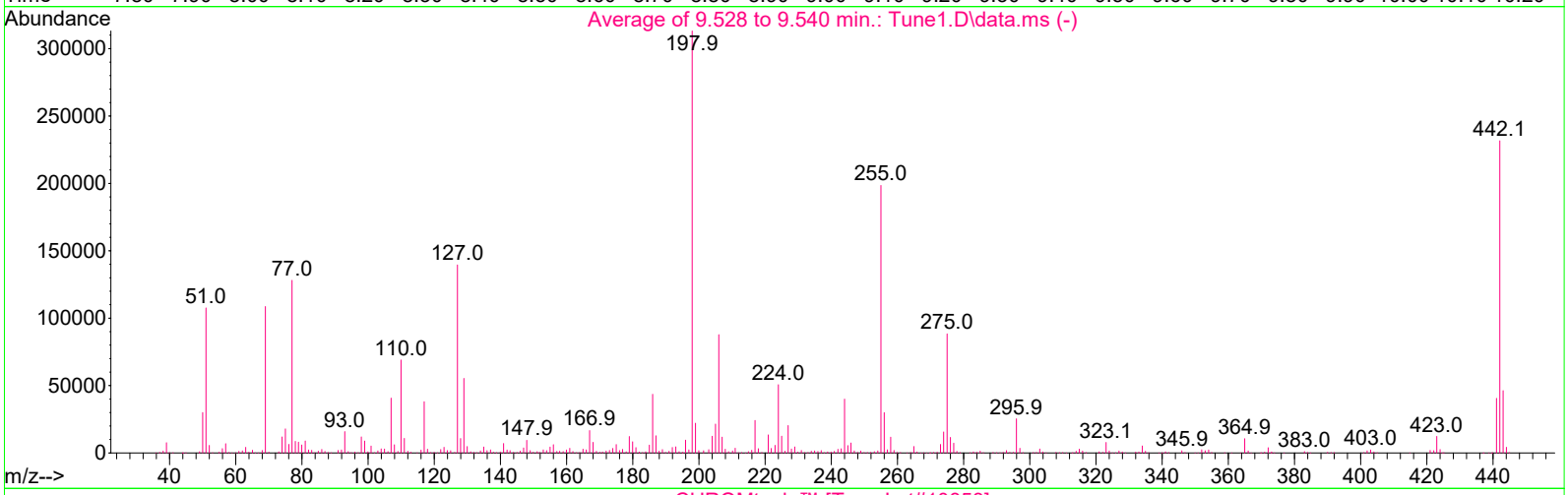
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

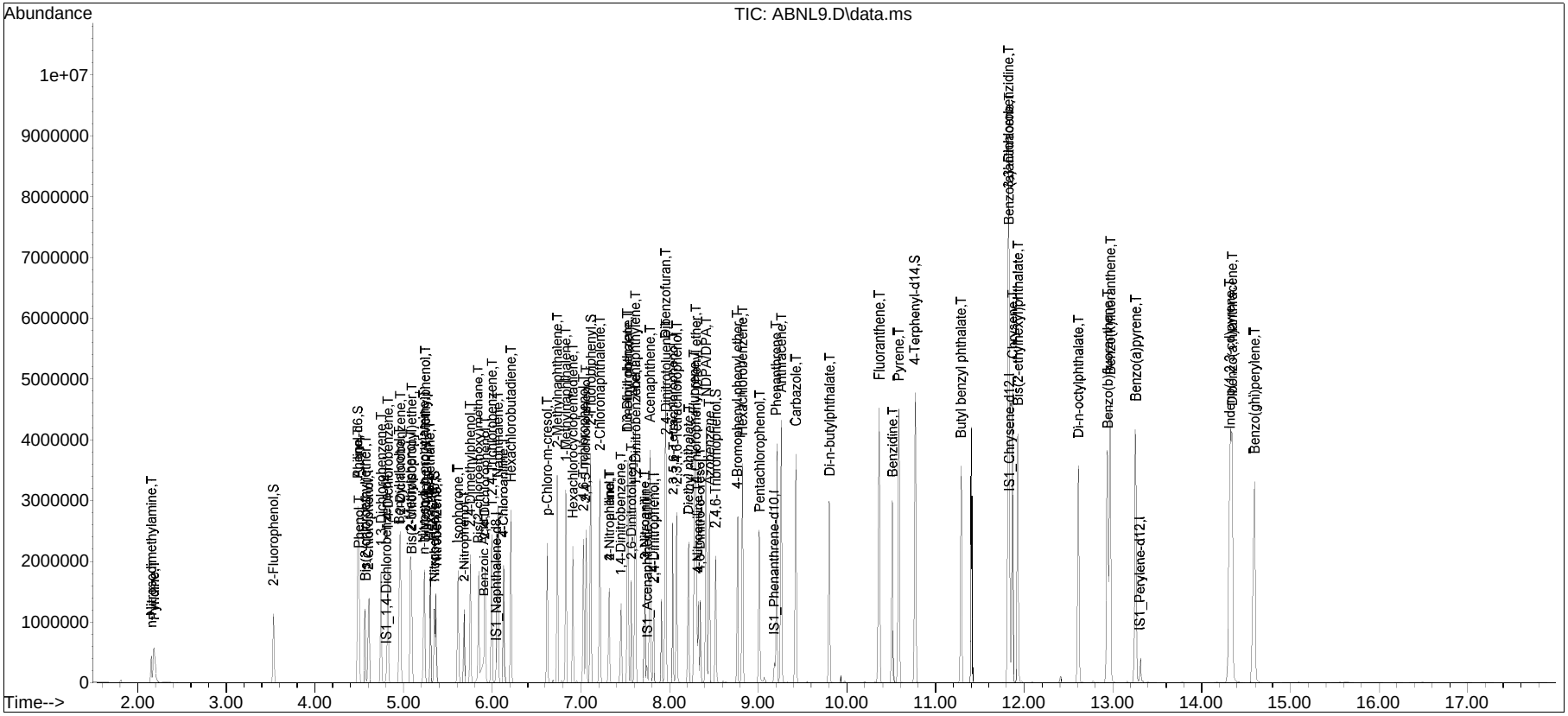
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

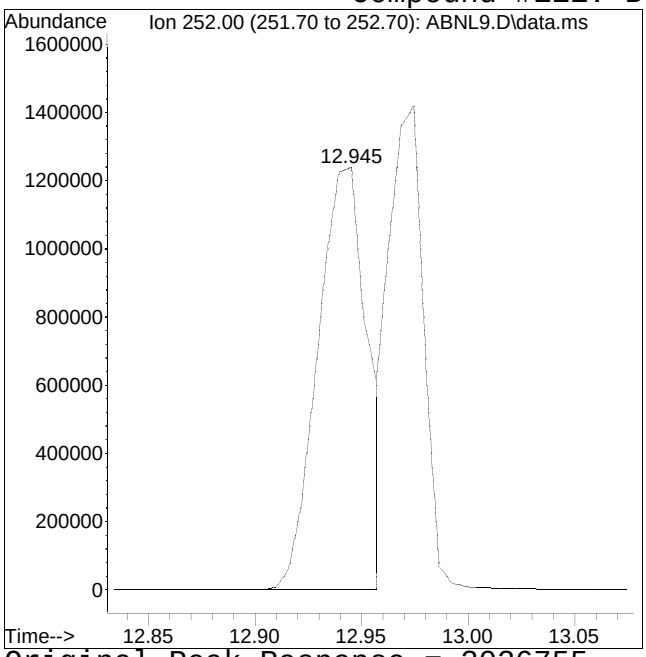
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

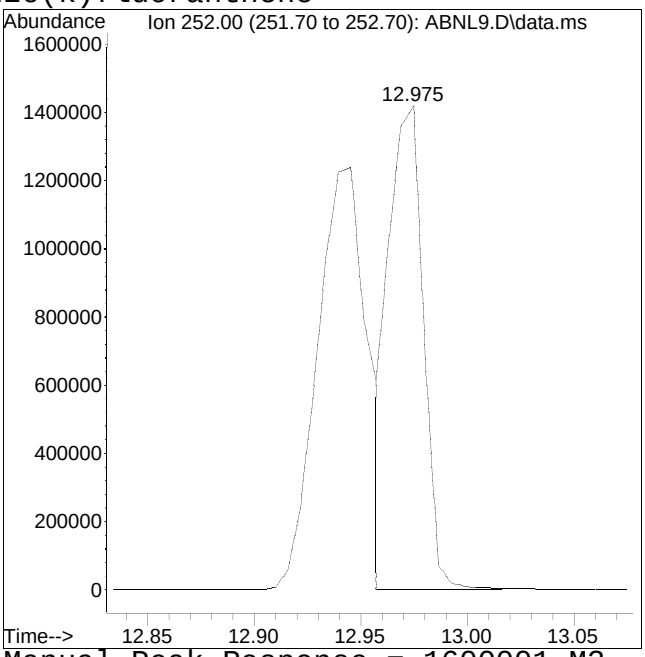


Manual Integration Report

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





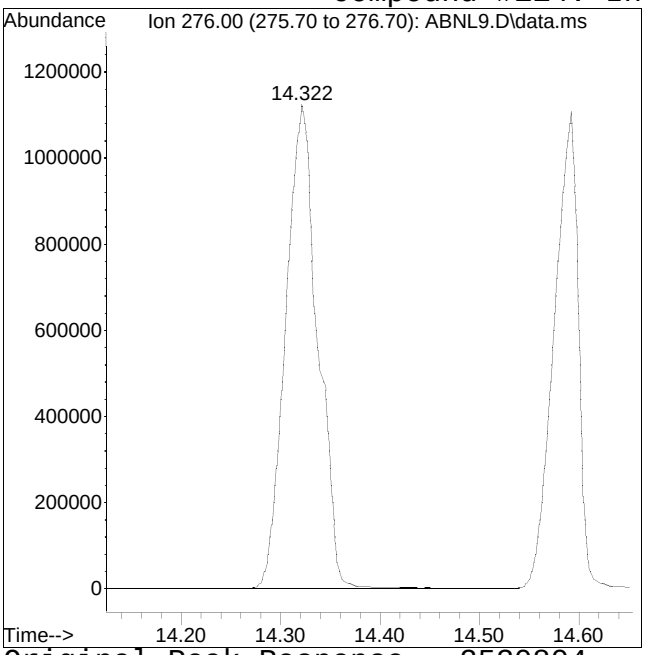
Original Peak Response = 2026755 Manual Peak Response = 1600001 M3

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.

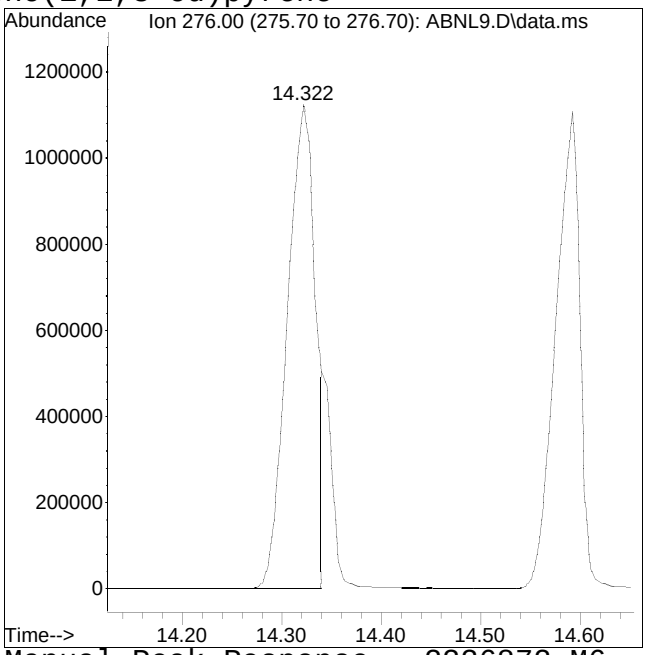
Manual Integration Report

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

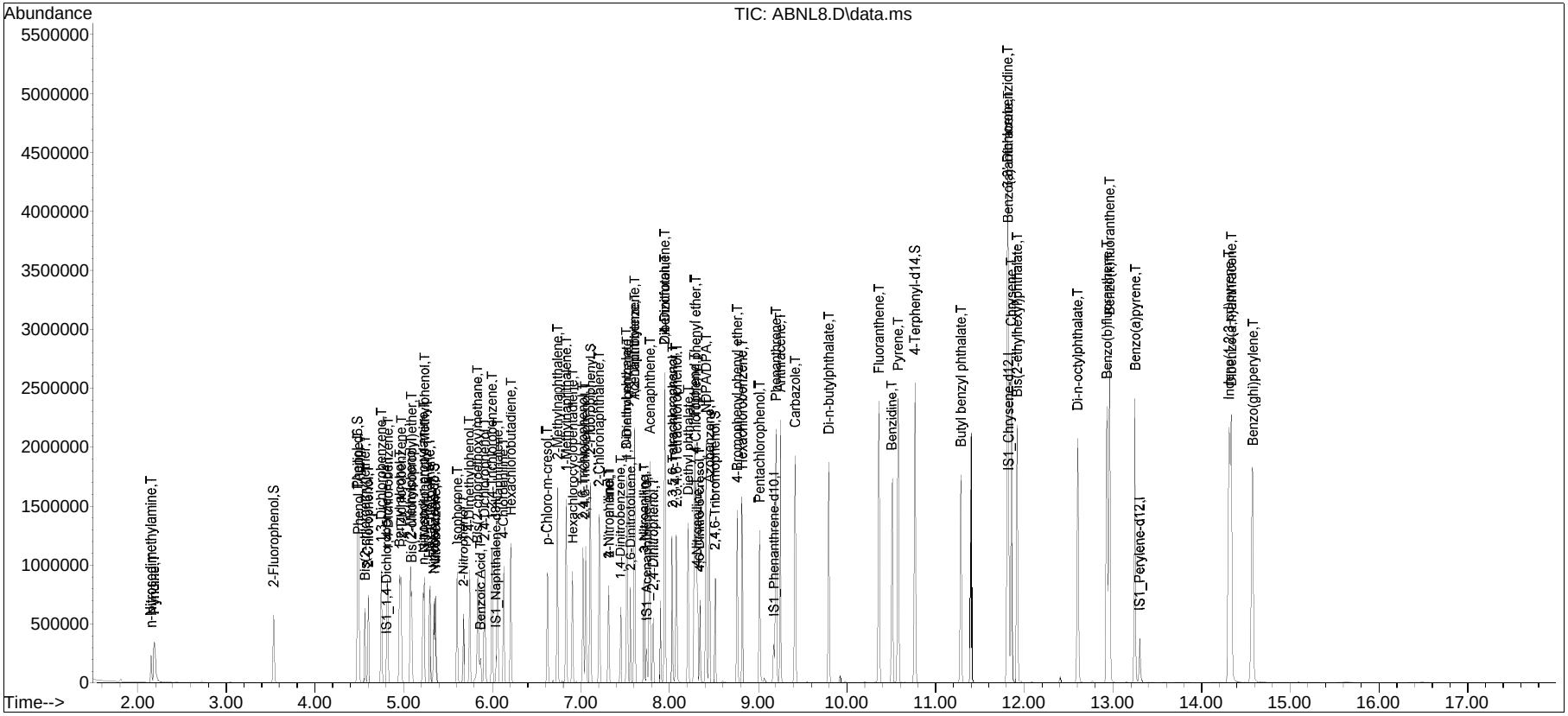
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

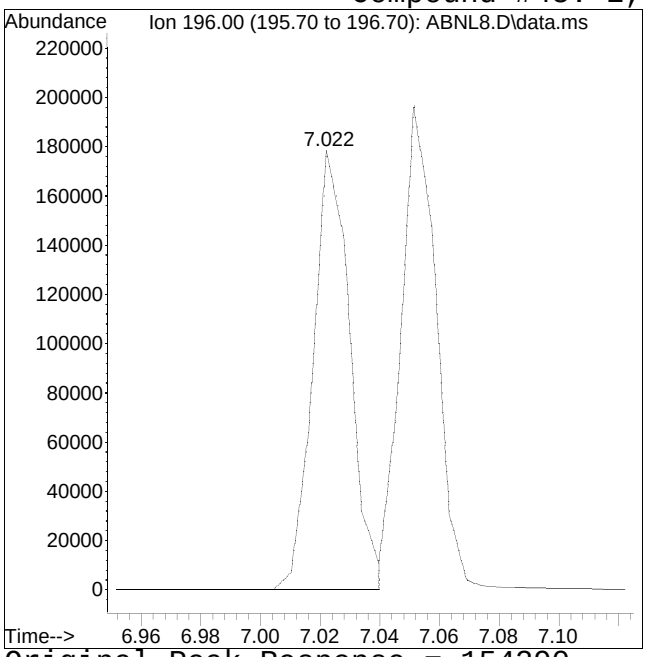
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

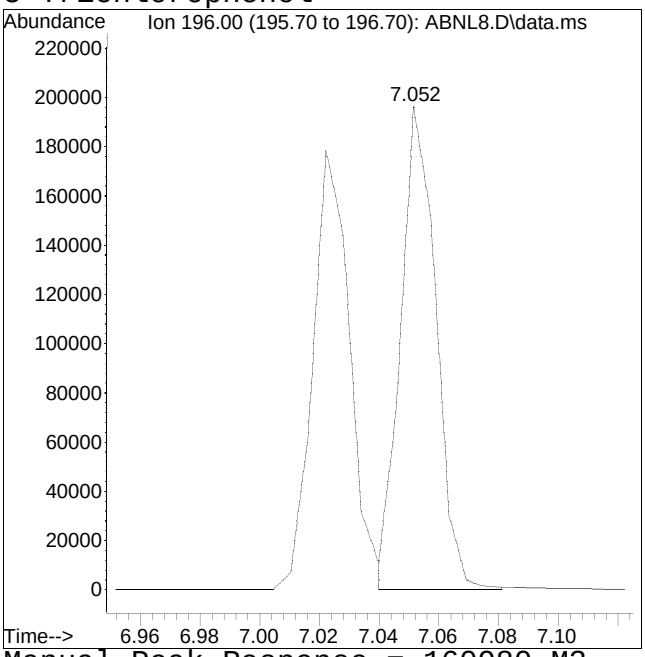


Manual Integration Report

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





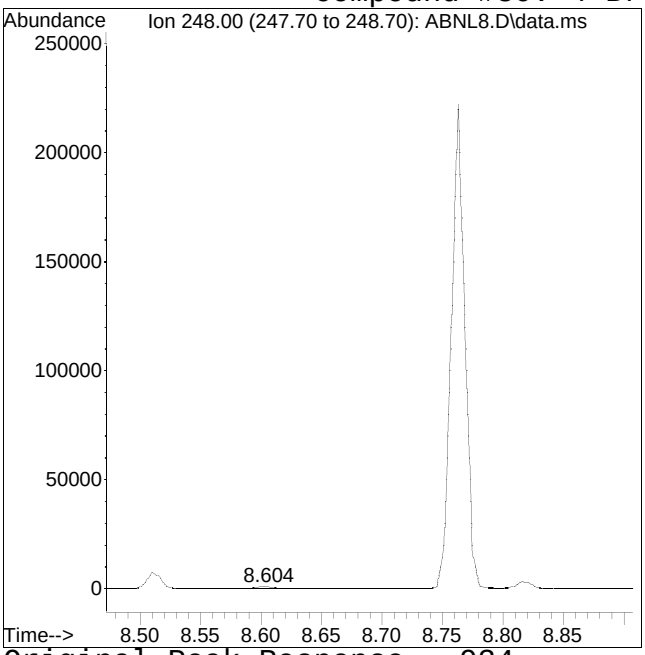
Original Peak Response = 154290 Manual Peak Response = 160980 M3

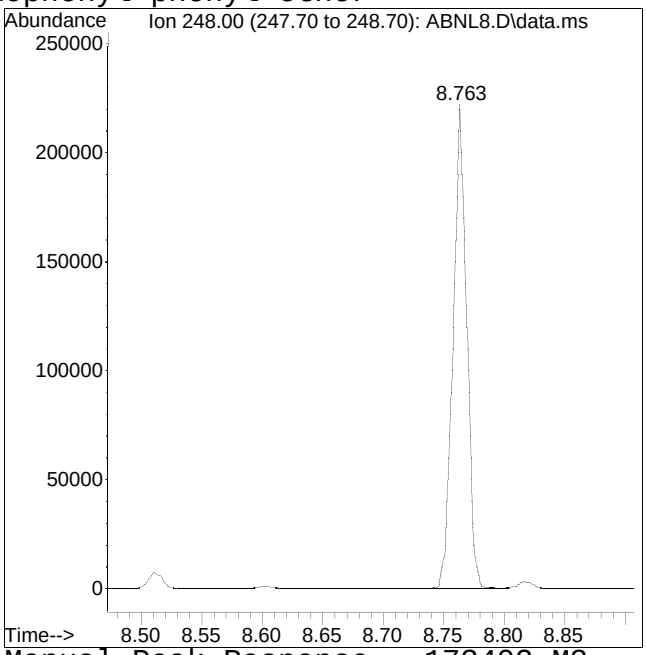
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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





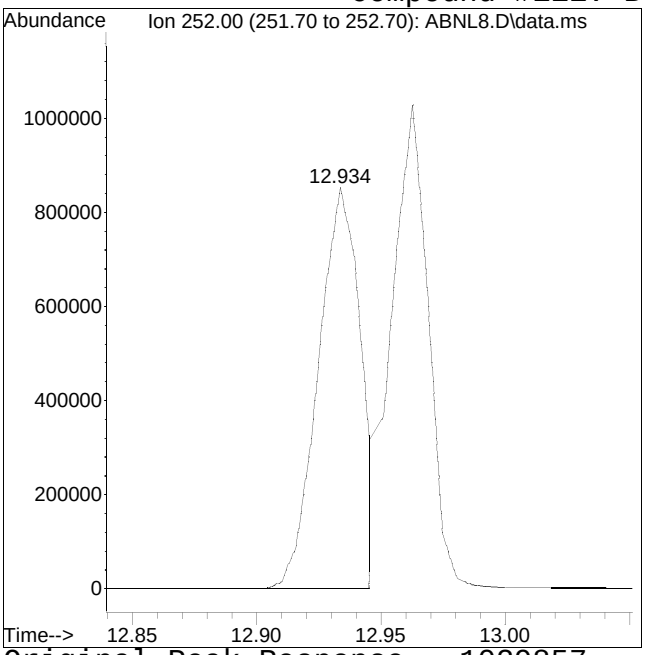
Original Peak Response = 934 Manual Peak Response = 173402 M3

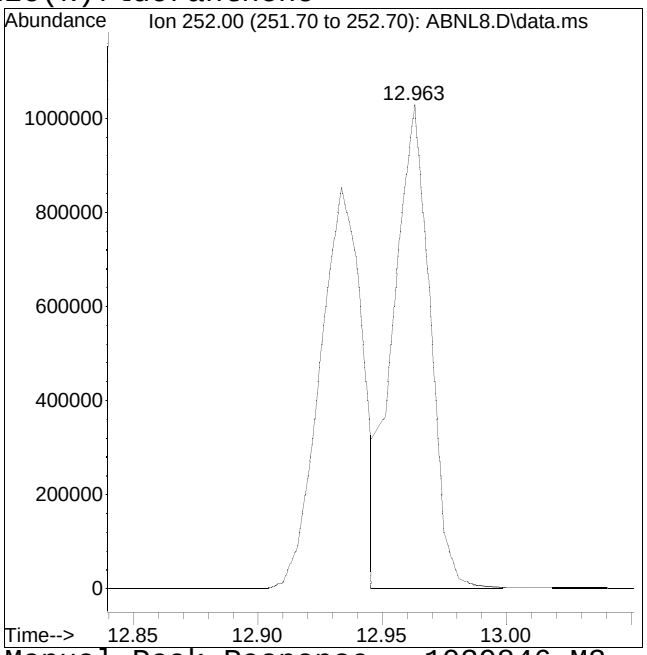
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



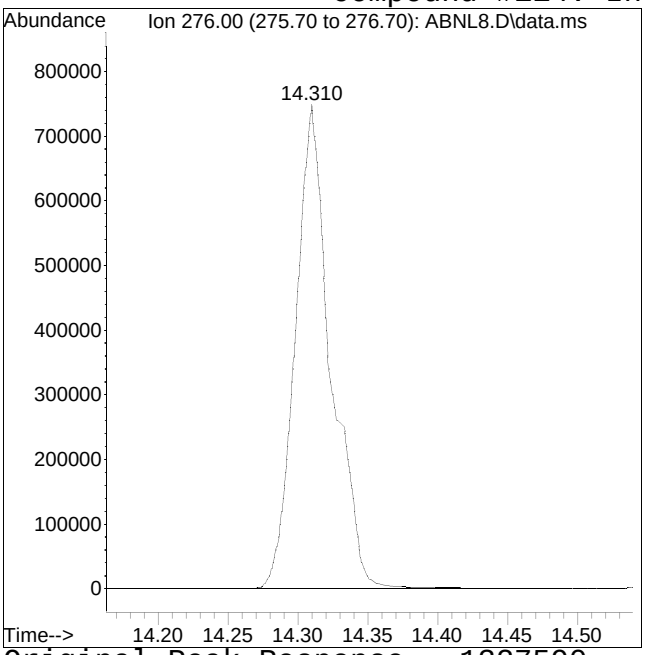


Original Peak Response = 1029857 Manual Peak Response = 1039846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

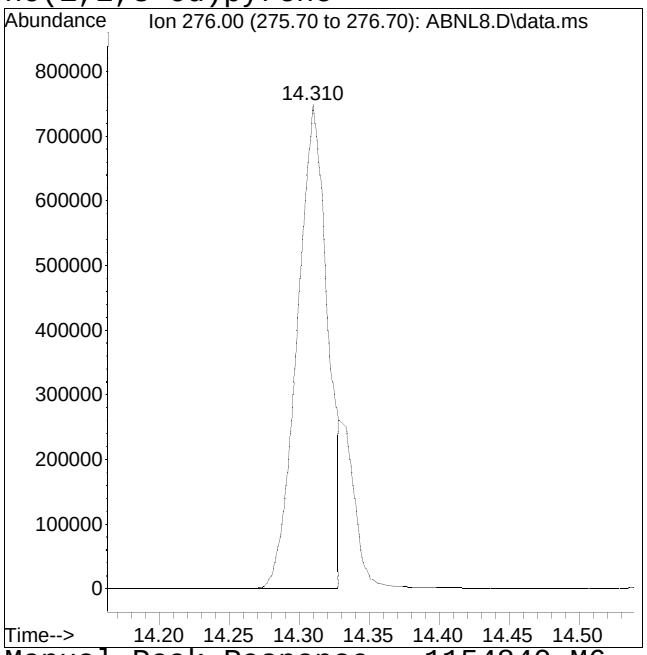
Manual Integration Report

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

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)
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

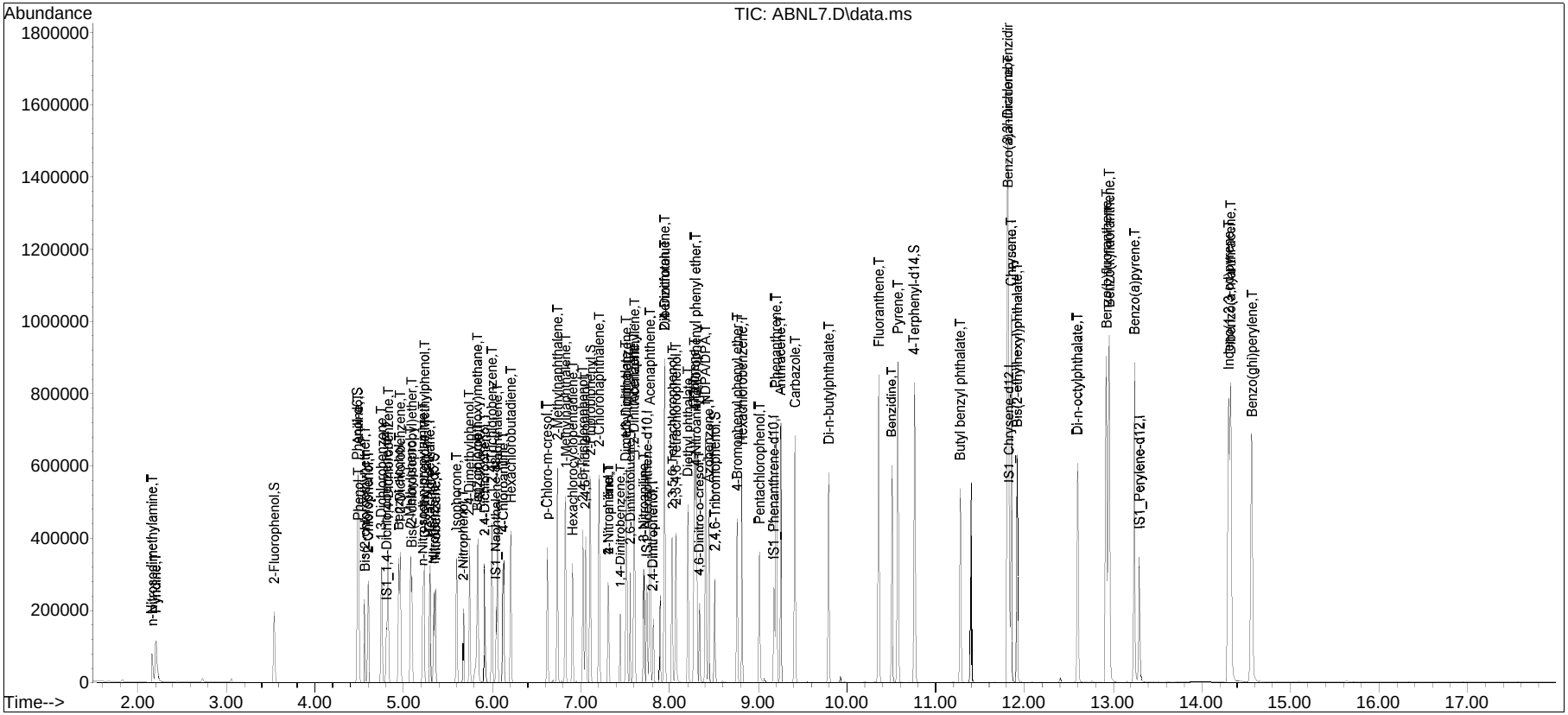
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

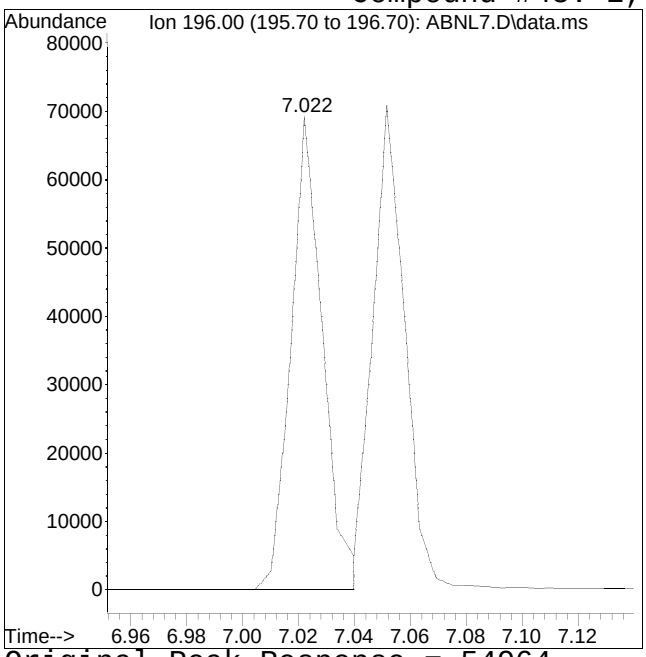
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

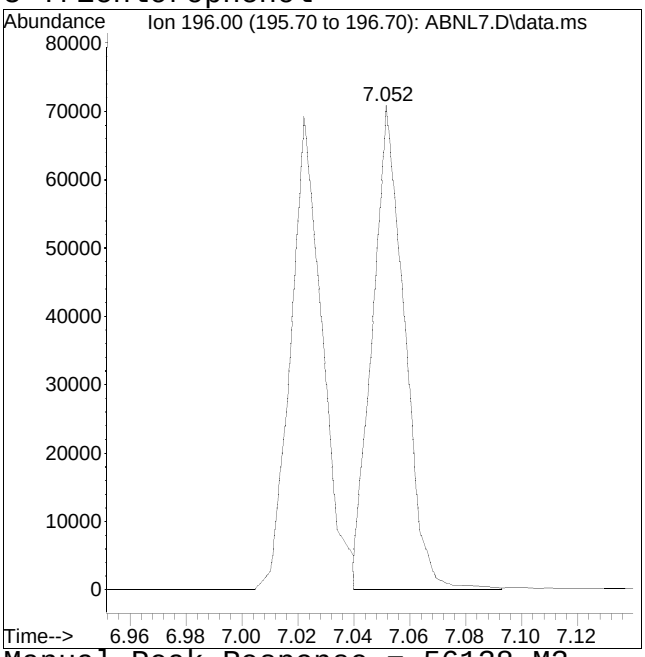


Manual Integration Report

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





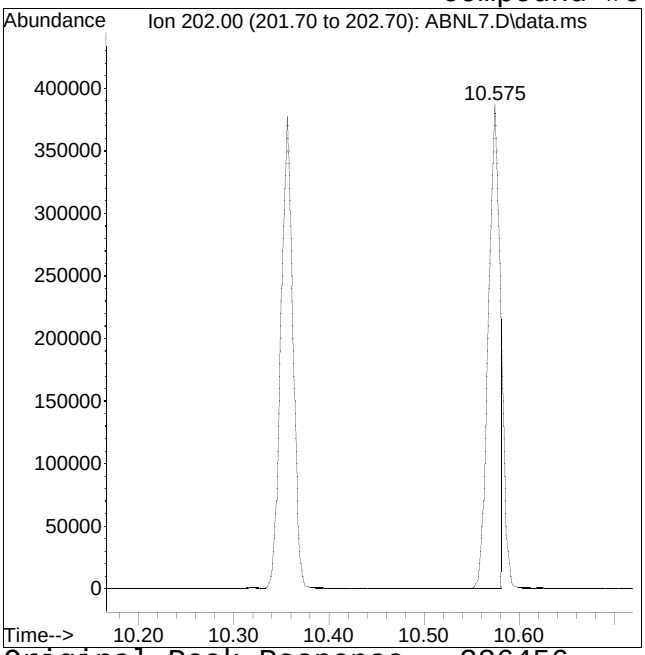
Original Peak Response = 54964 Manual Peak Response = 56138 M3

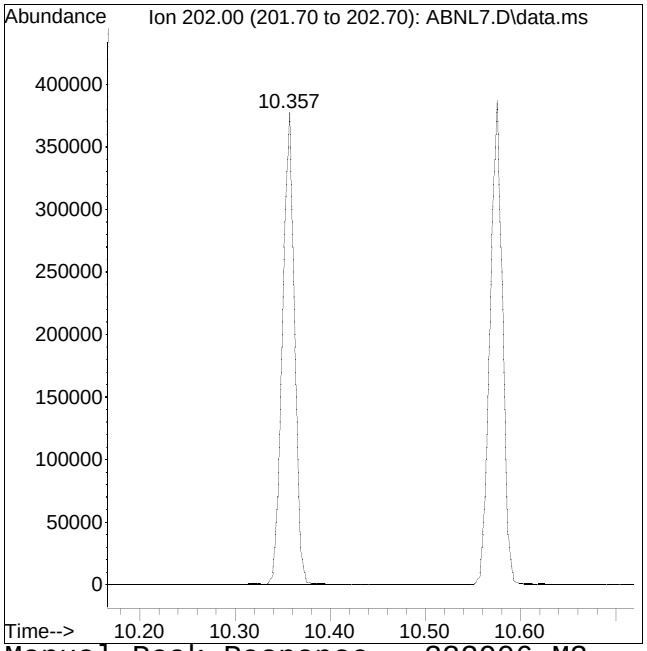
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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





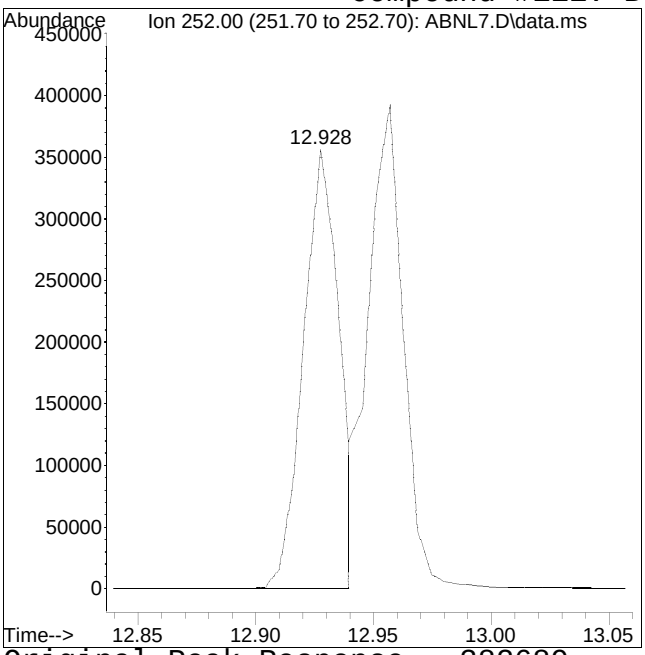
Original Peak Response = 336456 Manual Peak Response = 332906 M3

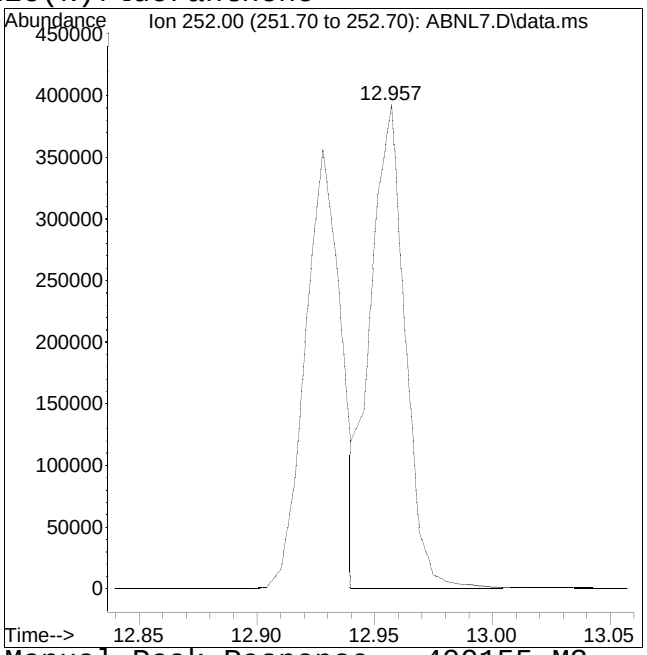
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



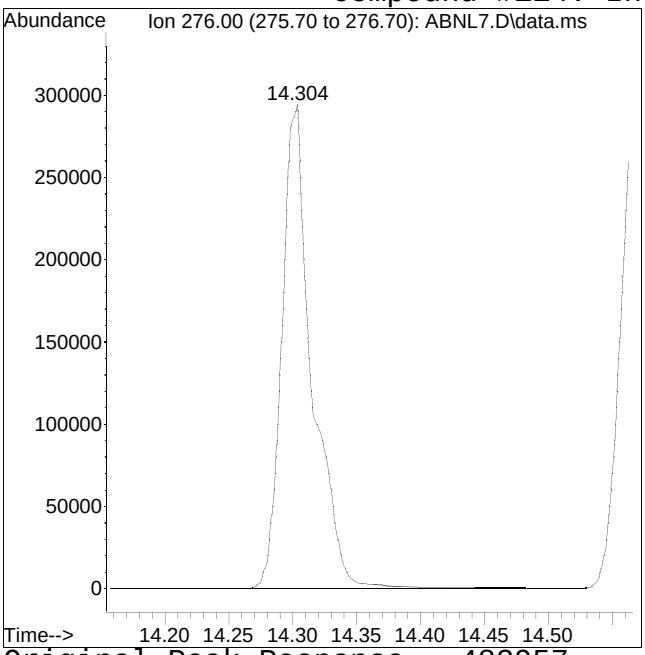


Original Peak Response = 382689 Manual Peak Response = 400155 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

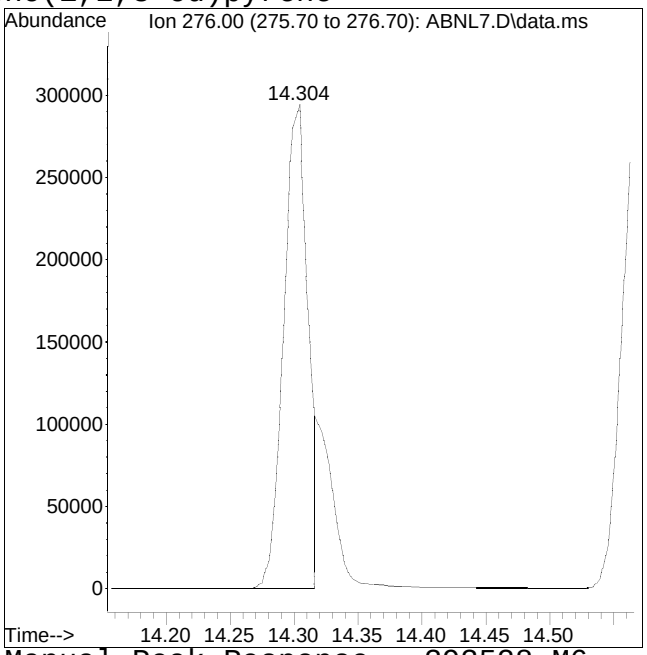
Manual Integration Report

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

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)
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

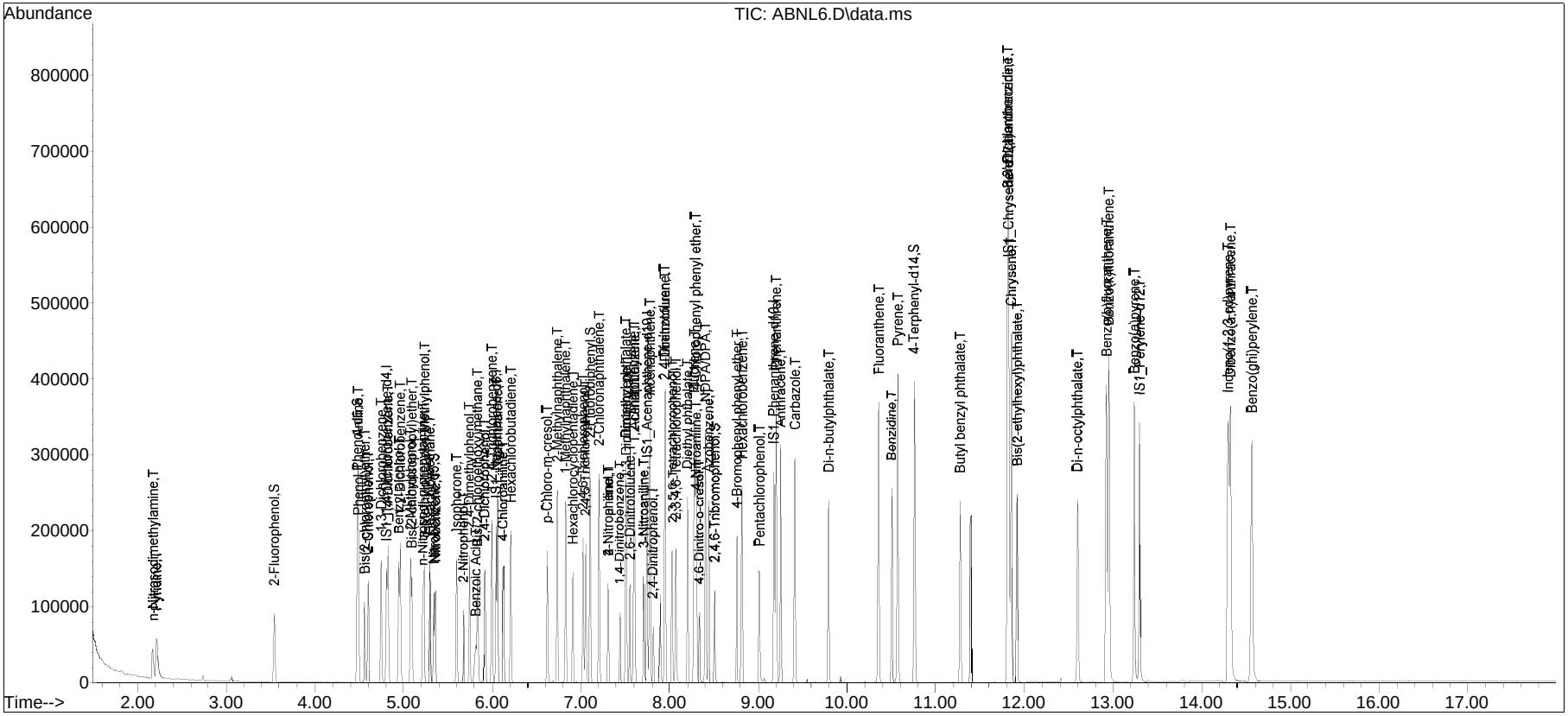
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

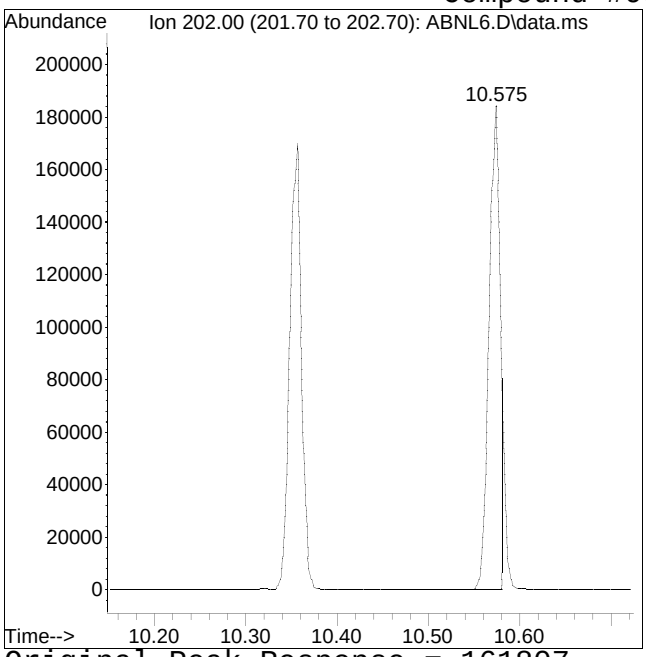
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

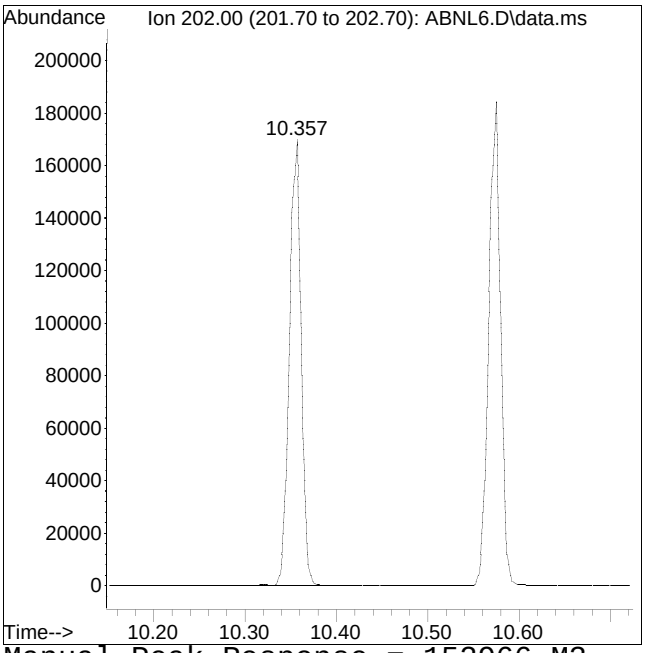


Manual Integration Report

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





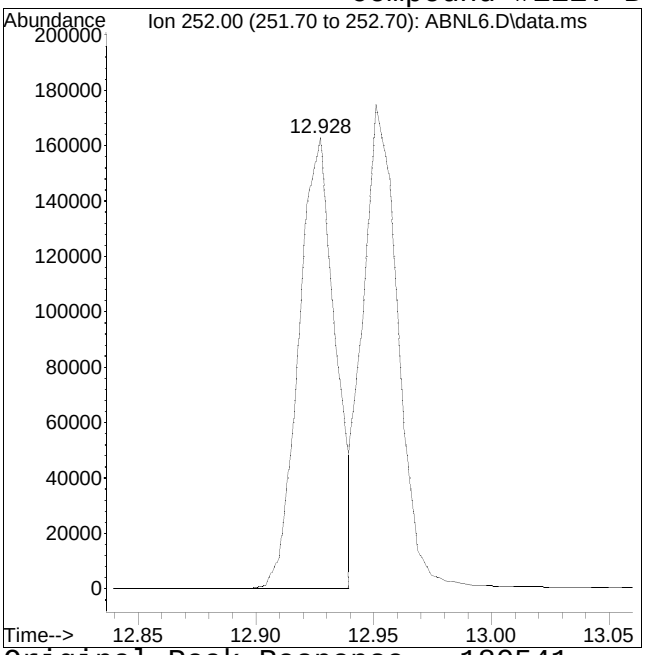
Original Peak Response = 161807 Manual Peak Response = 152966 M3

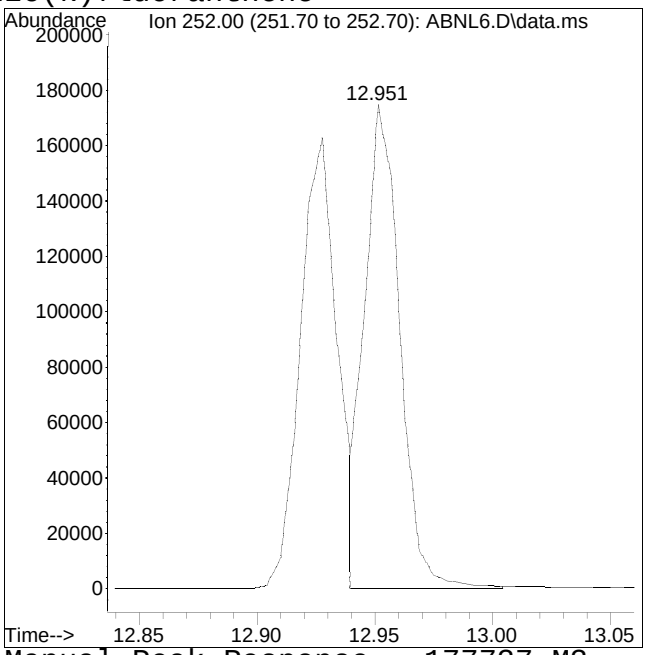
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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





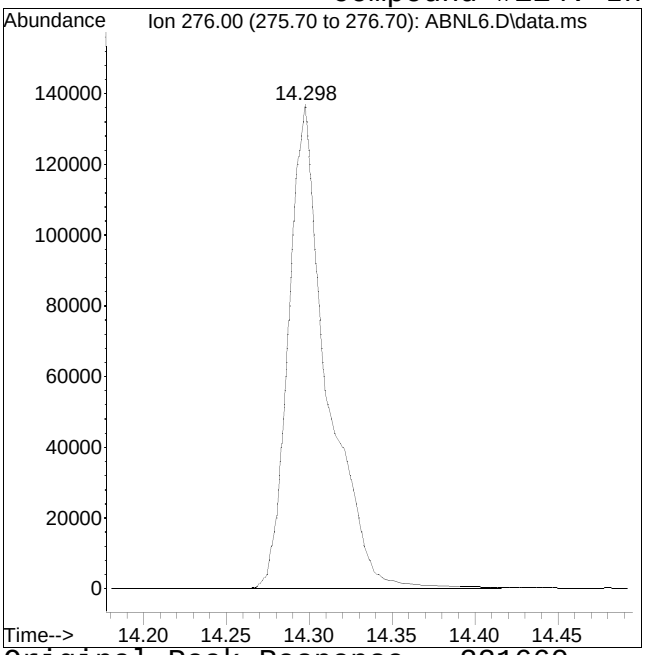
Original Peak Response = 180541 Manual Peak Response = 177737 M3

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.

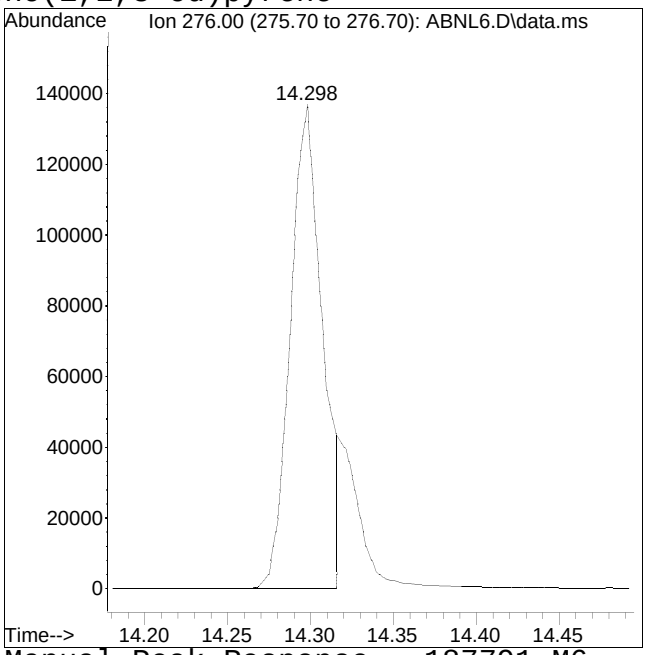
Manual Integration Report

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

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

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)
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

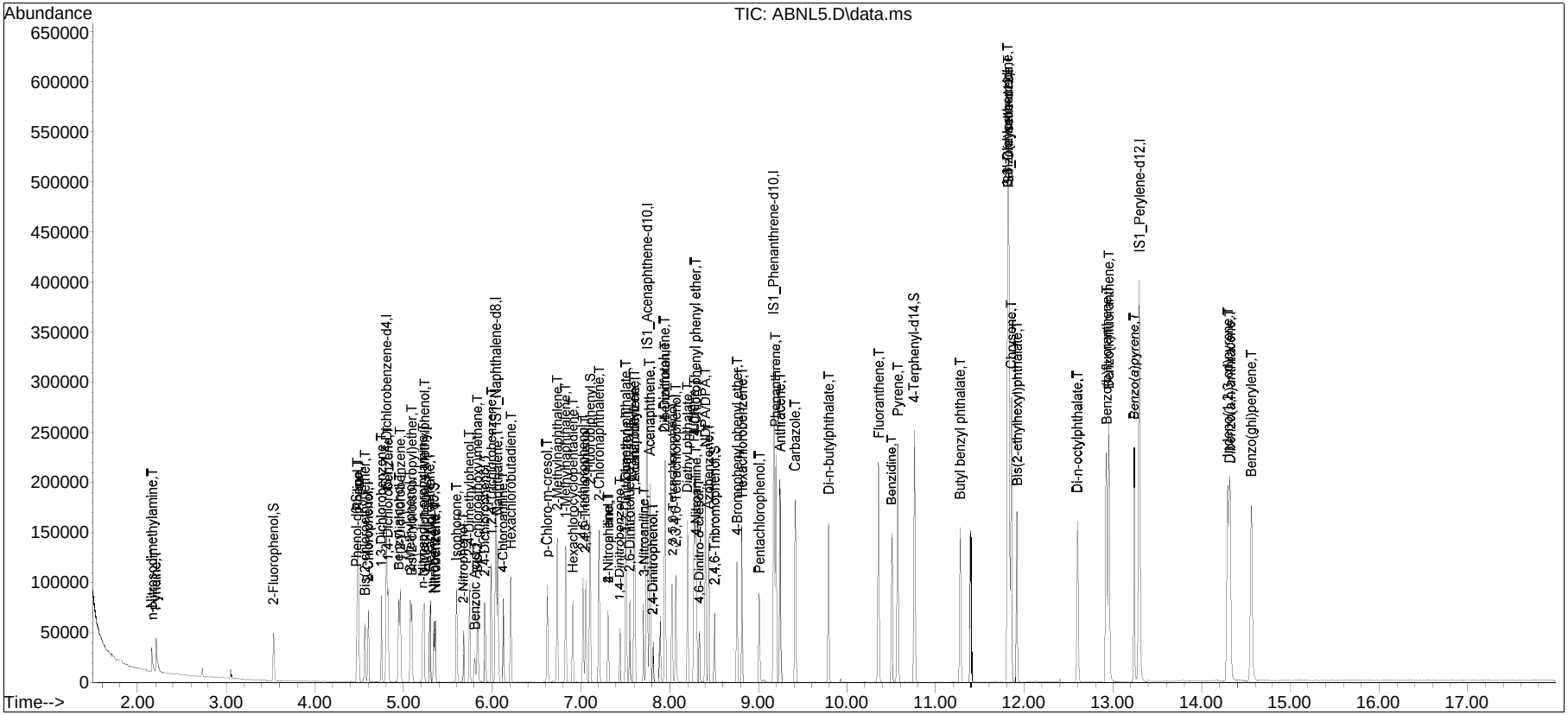
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

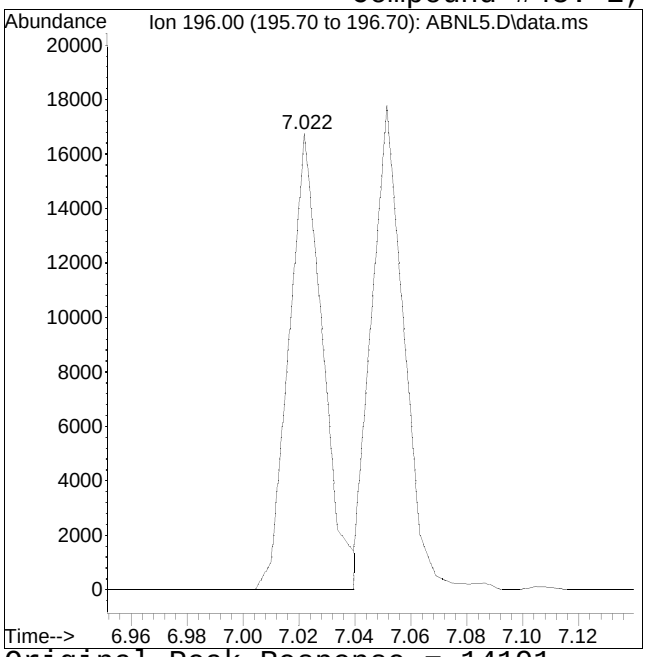
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

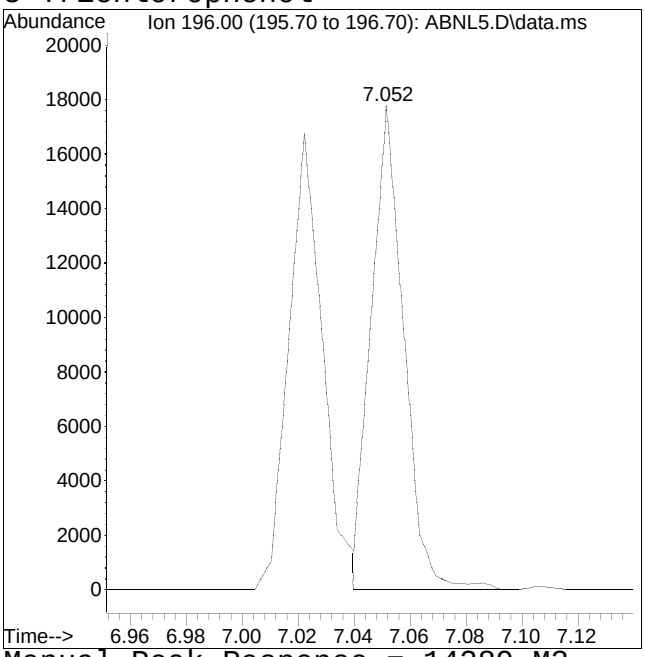


Manual Integration Report

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





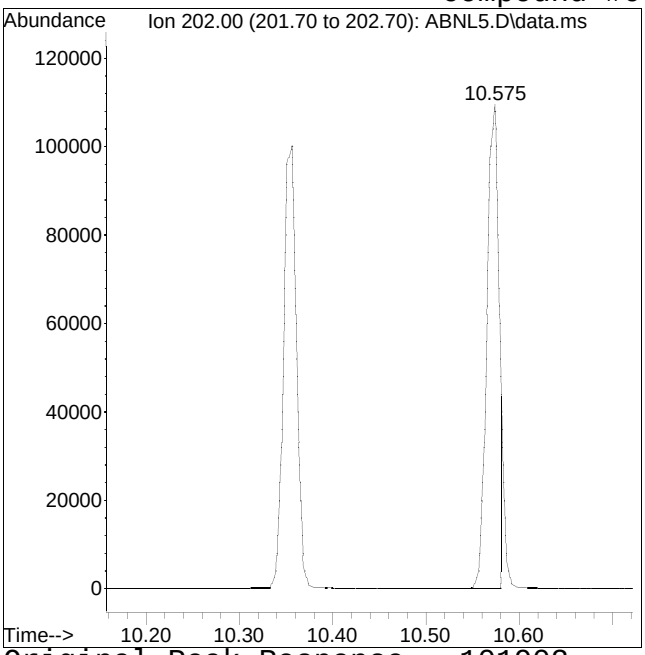
Original Peak Response = 14191 Manual Peak Response = 14289 M3

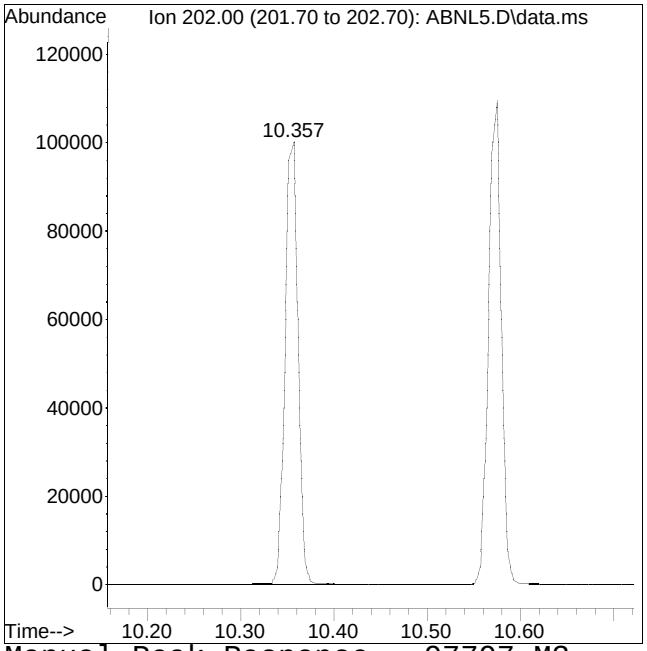
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



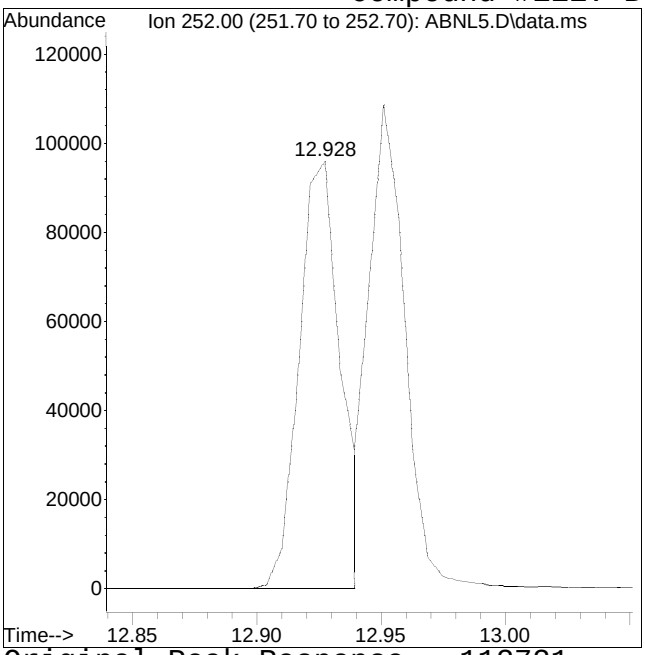


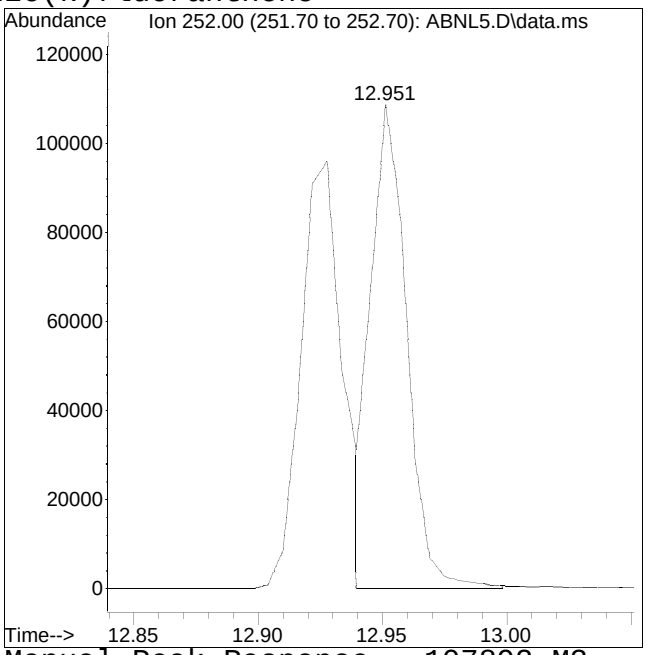
Original Peak Response = 101902 Manual Peak Response = 97797 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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





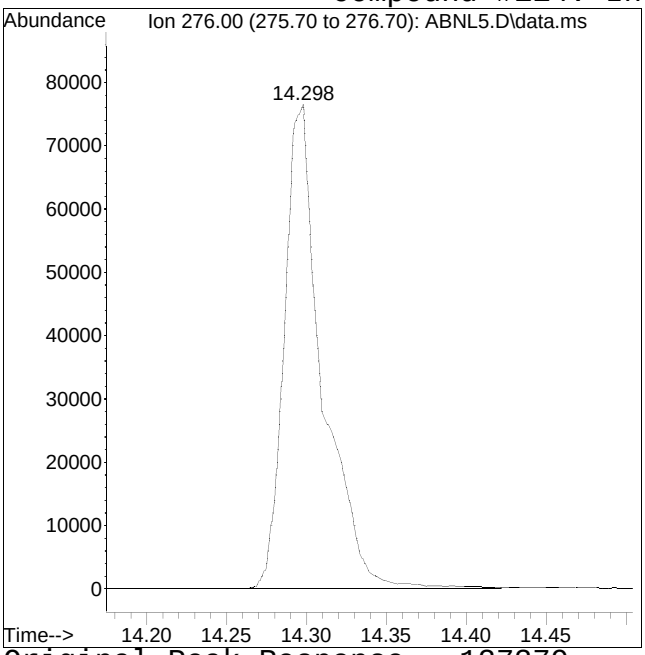
Original Peak Response = 112721 Manual Peak Response = 107892 M3

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.

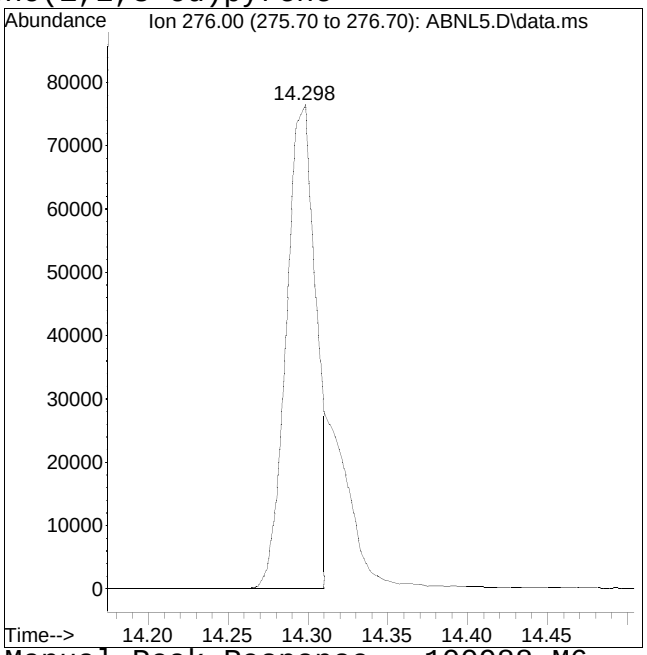
Manual Integration Report

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

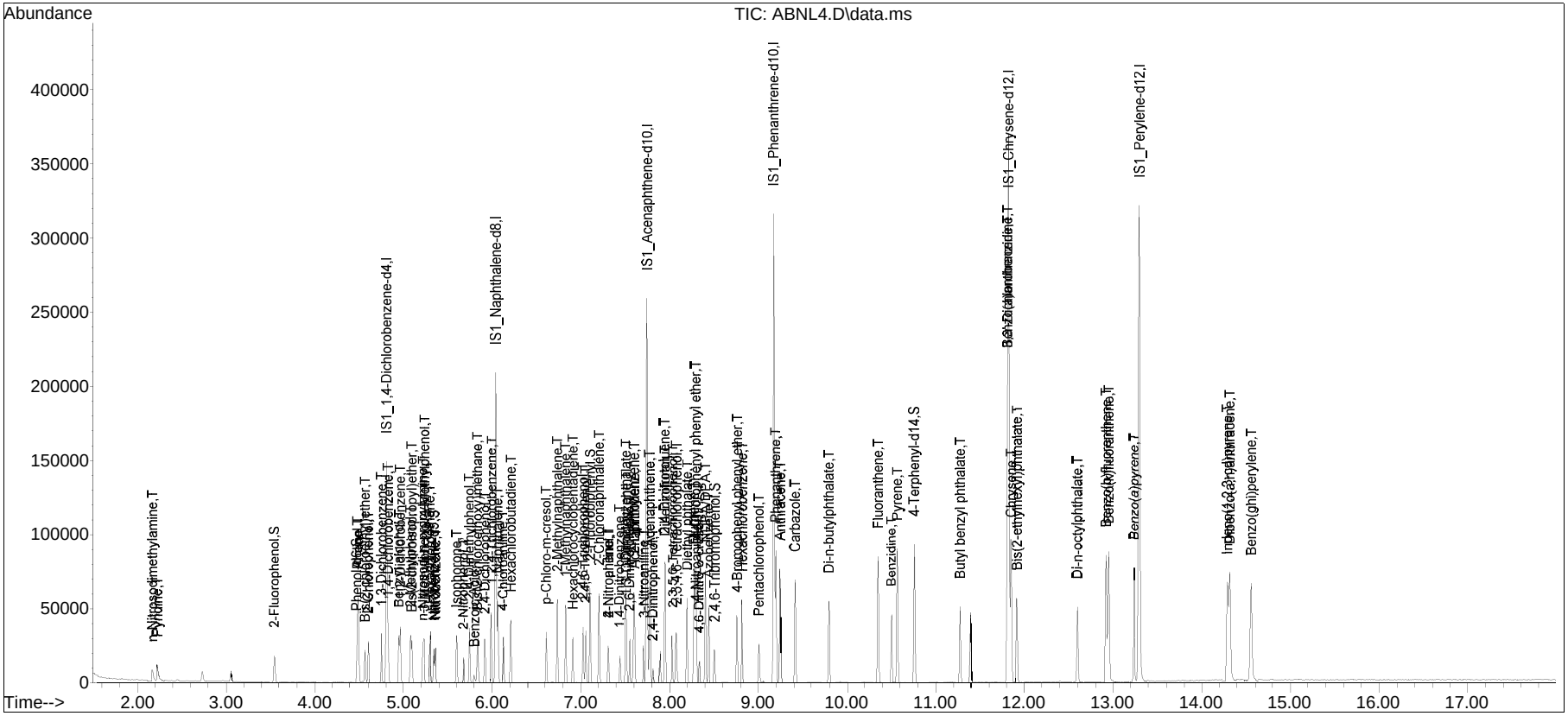
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

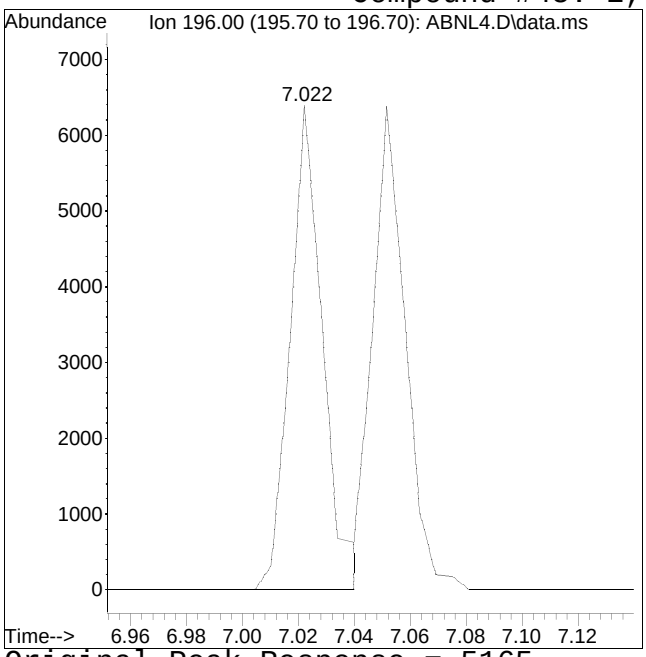
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

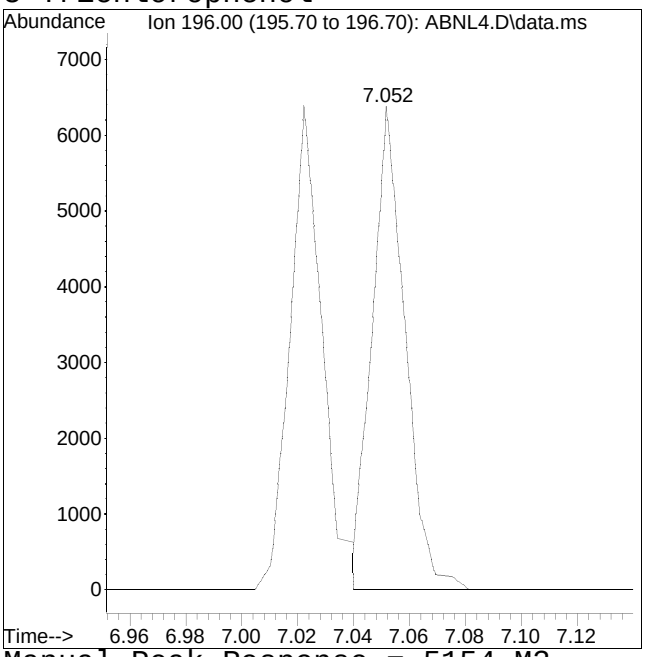


Manual Integration Report

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





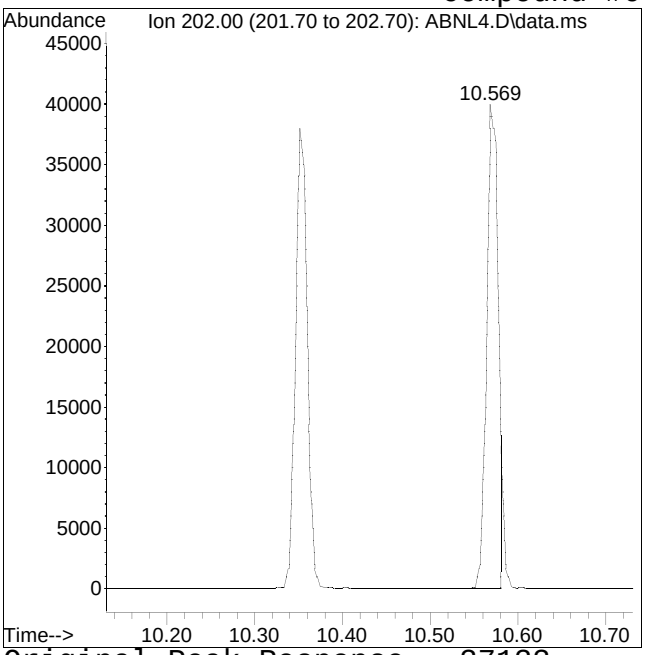
Original Peak Response = 5165 Manual Peak Response = 5154 M3

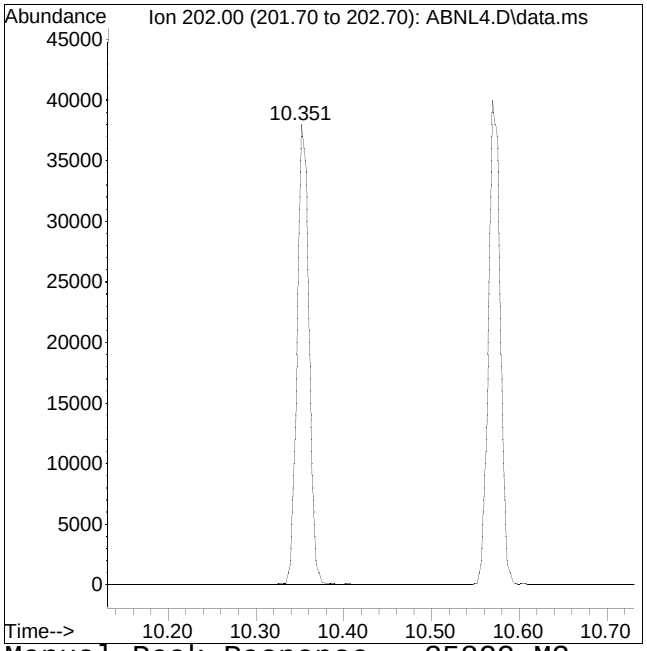
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



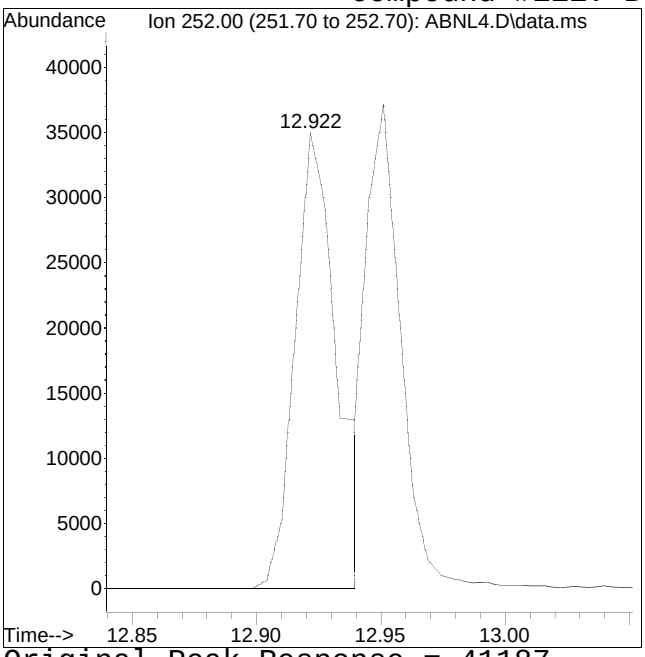


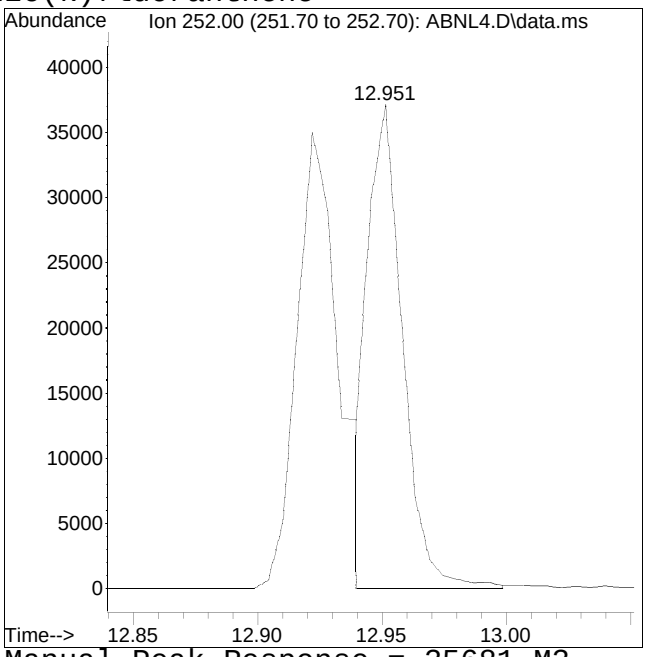
Original Peak Response = 37133 Manual Peak Response = 35822 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



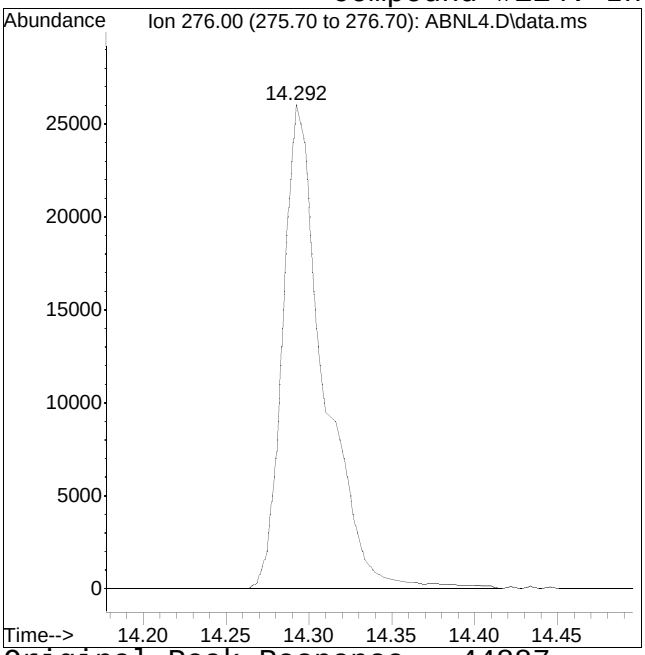


Original Peak Response = 41187 Manual Peak Response = 35681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

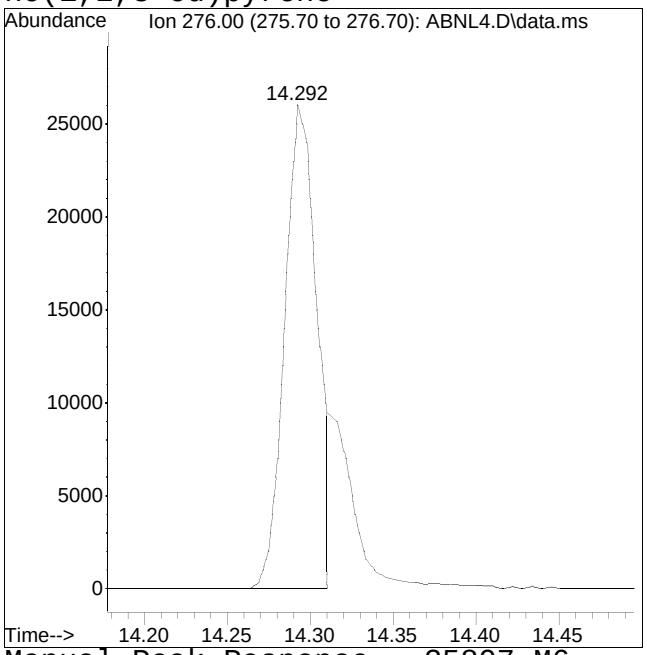
Manual Integration Report

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

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

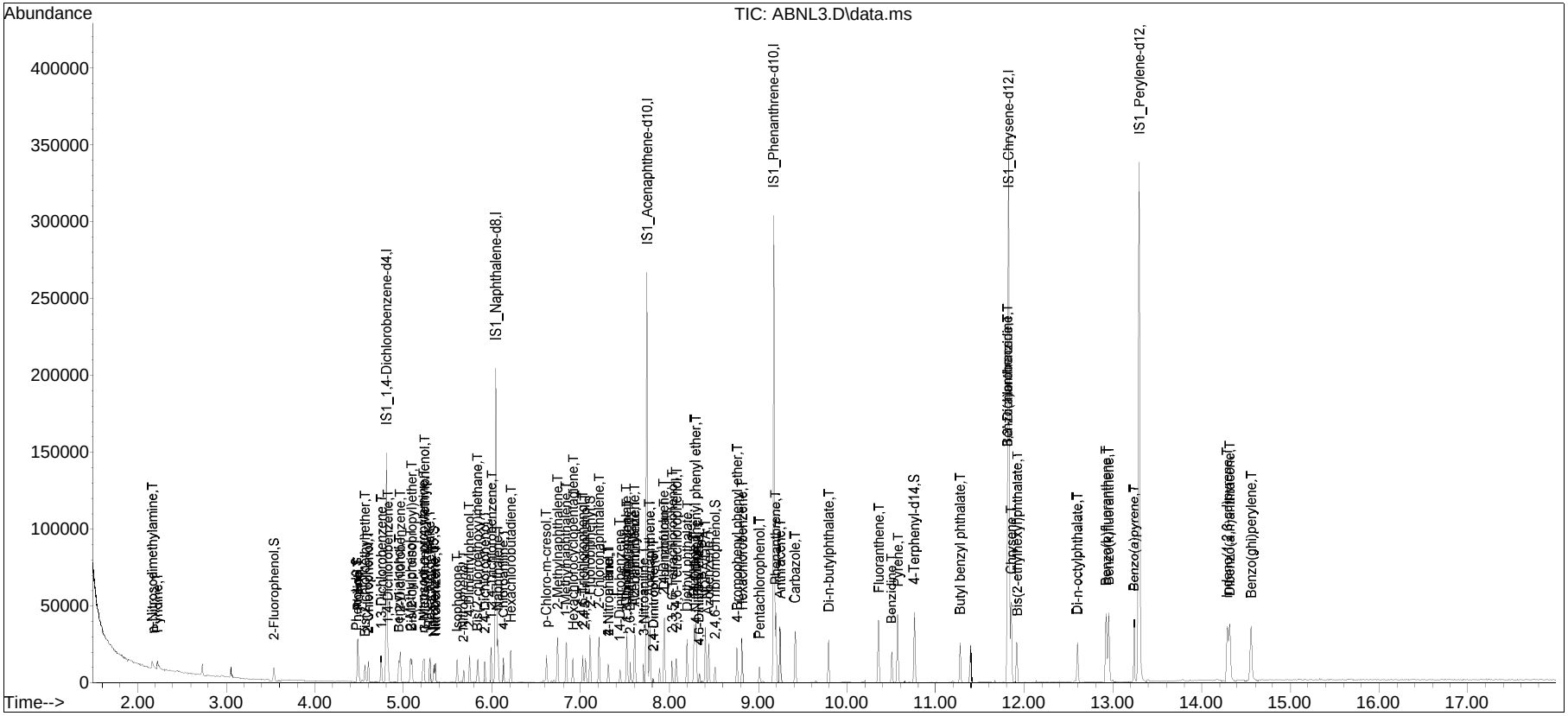
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

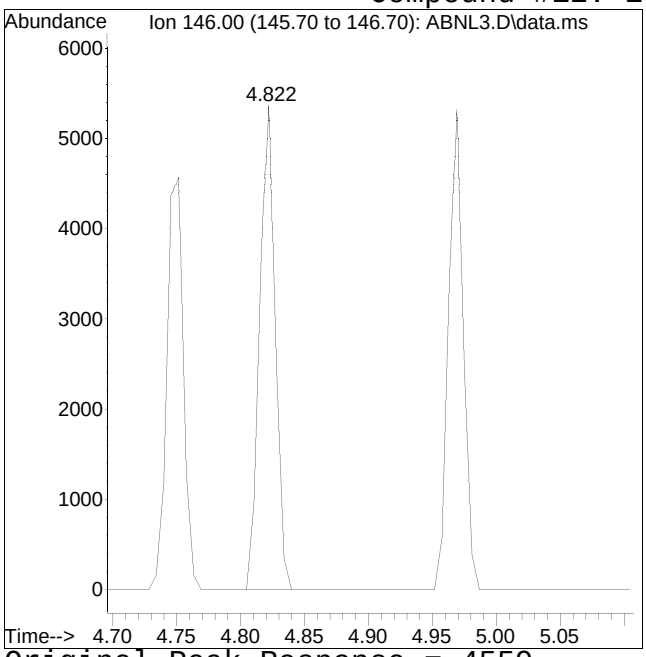
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

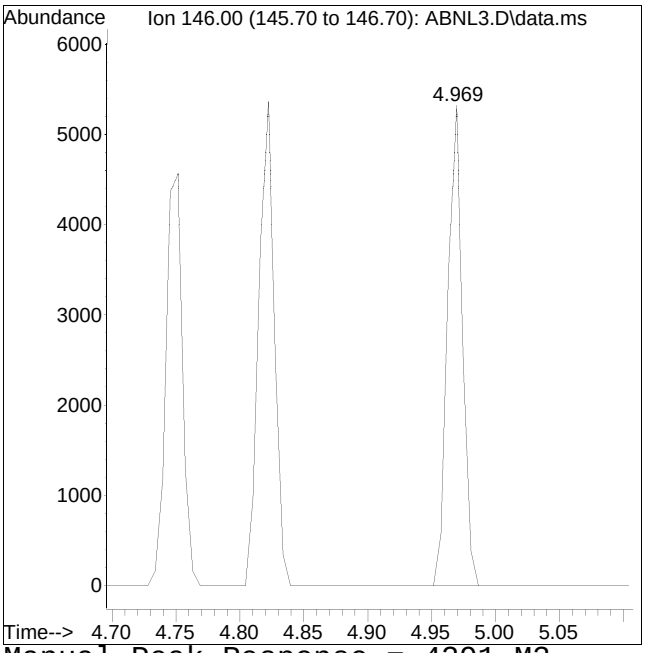


Manual Integration Report

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





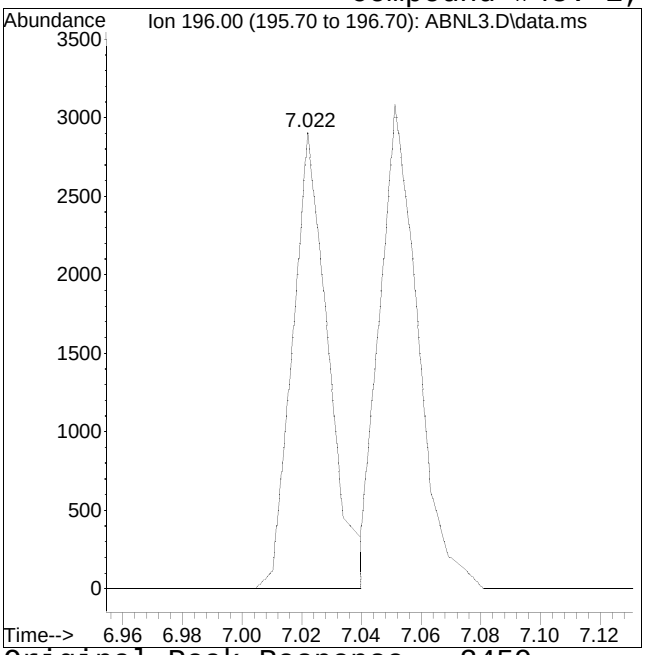
Original Peak Response = 4559 Manual Peak Response = 4291 M3

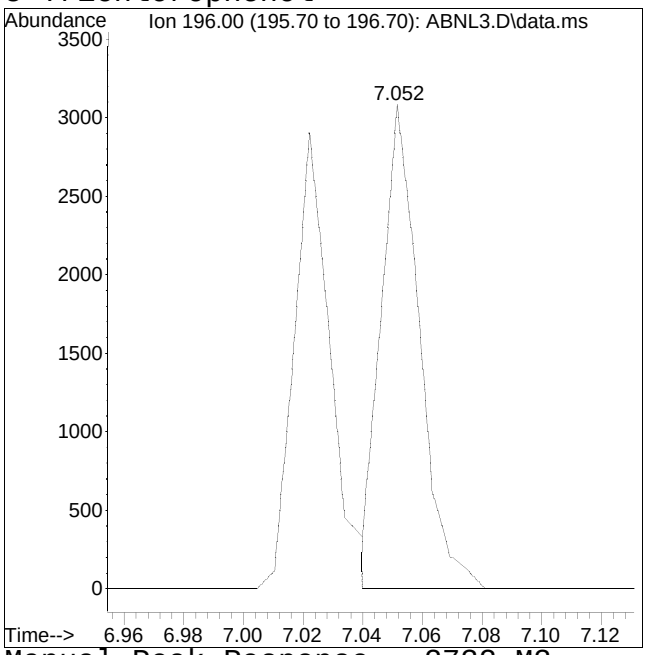
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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





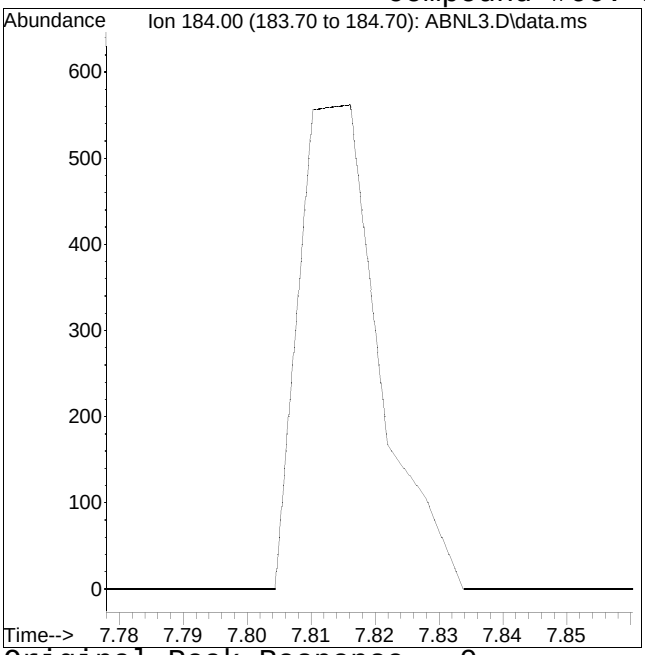
Original Peak Response = 2459 Manual Peak Response = 2732 M3

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.

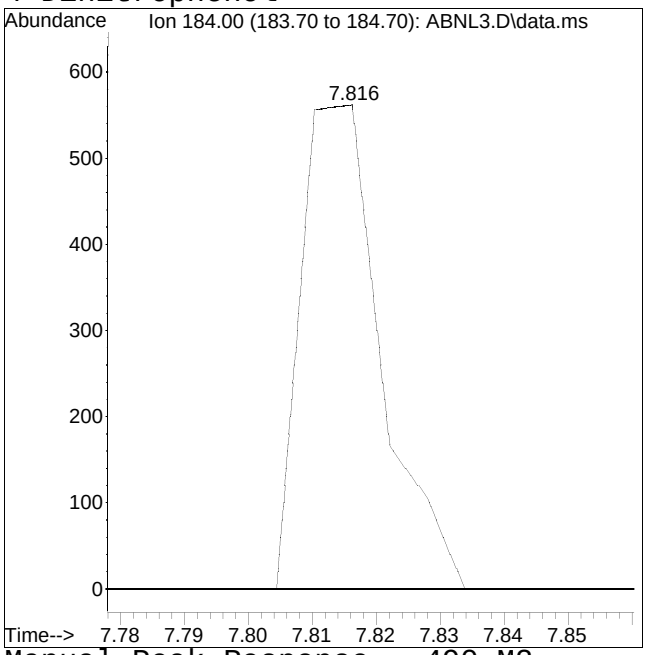
Manual Integration Report

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



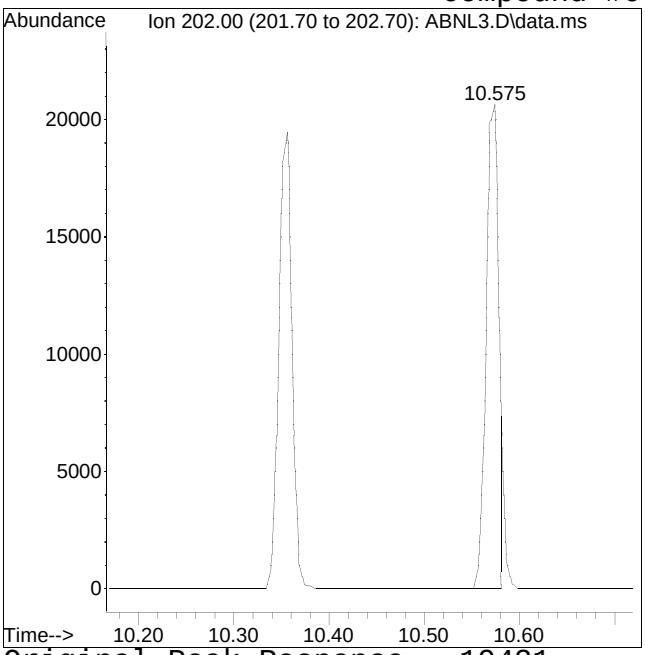
Manual Peak Response = 490 M2

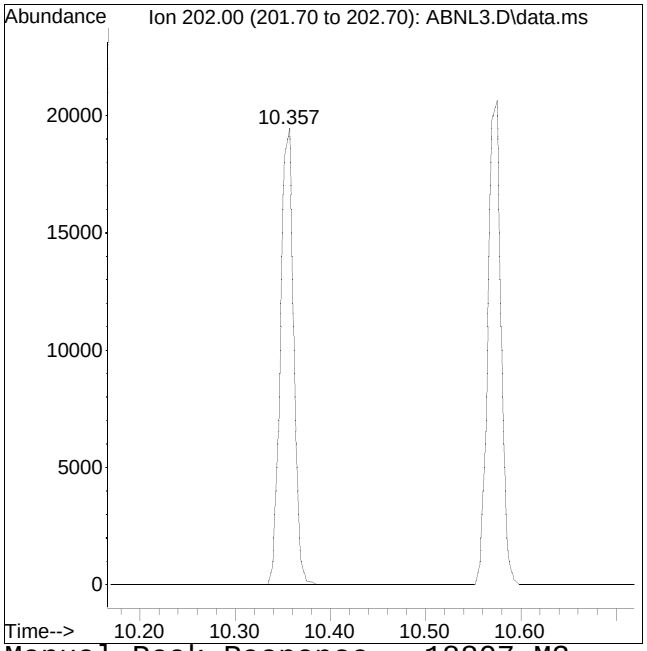
M2 = Peak not found by automatic integration algorithm.

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



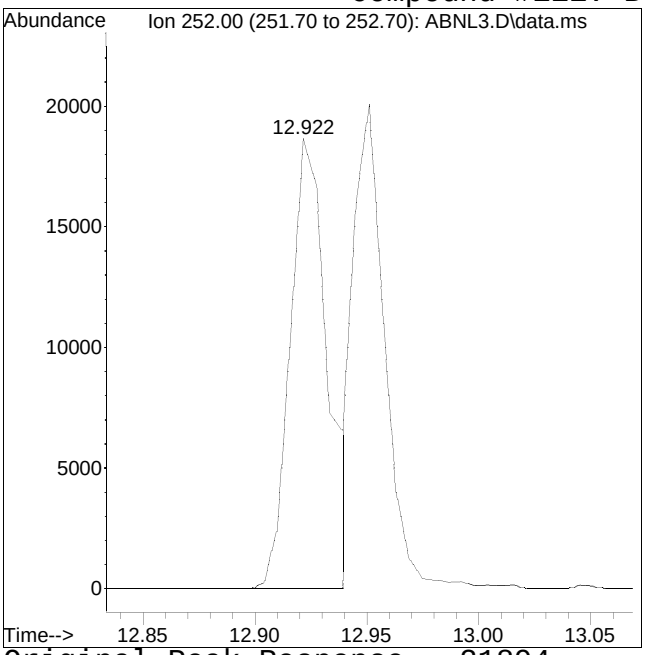


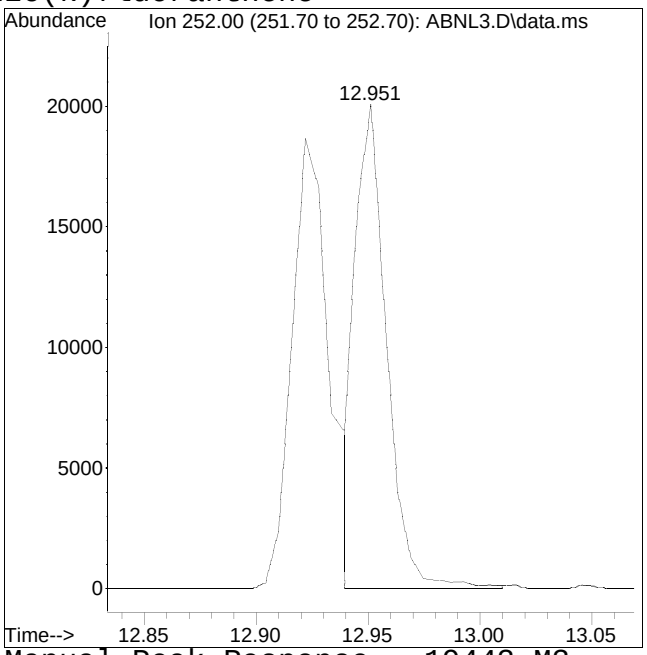
Original Peak Response = 19421 Manual Peak Response = 18807 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



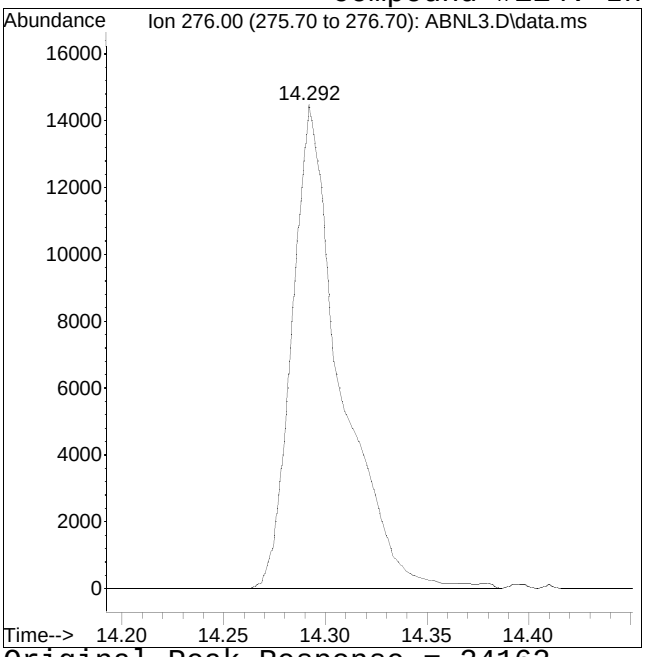


Original Peak Response = 21894 Manual Peak Response = 19443 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

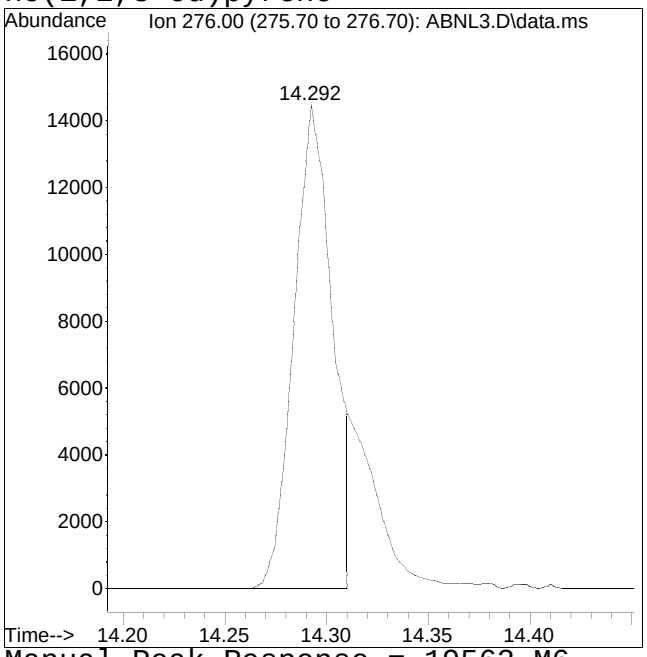
Manual Integration Report

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

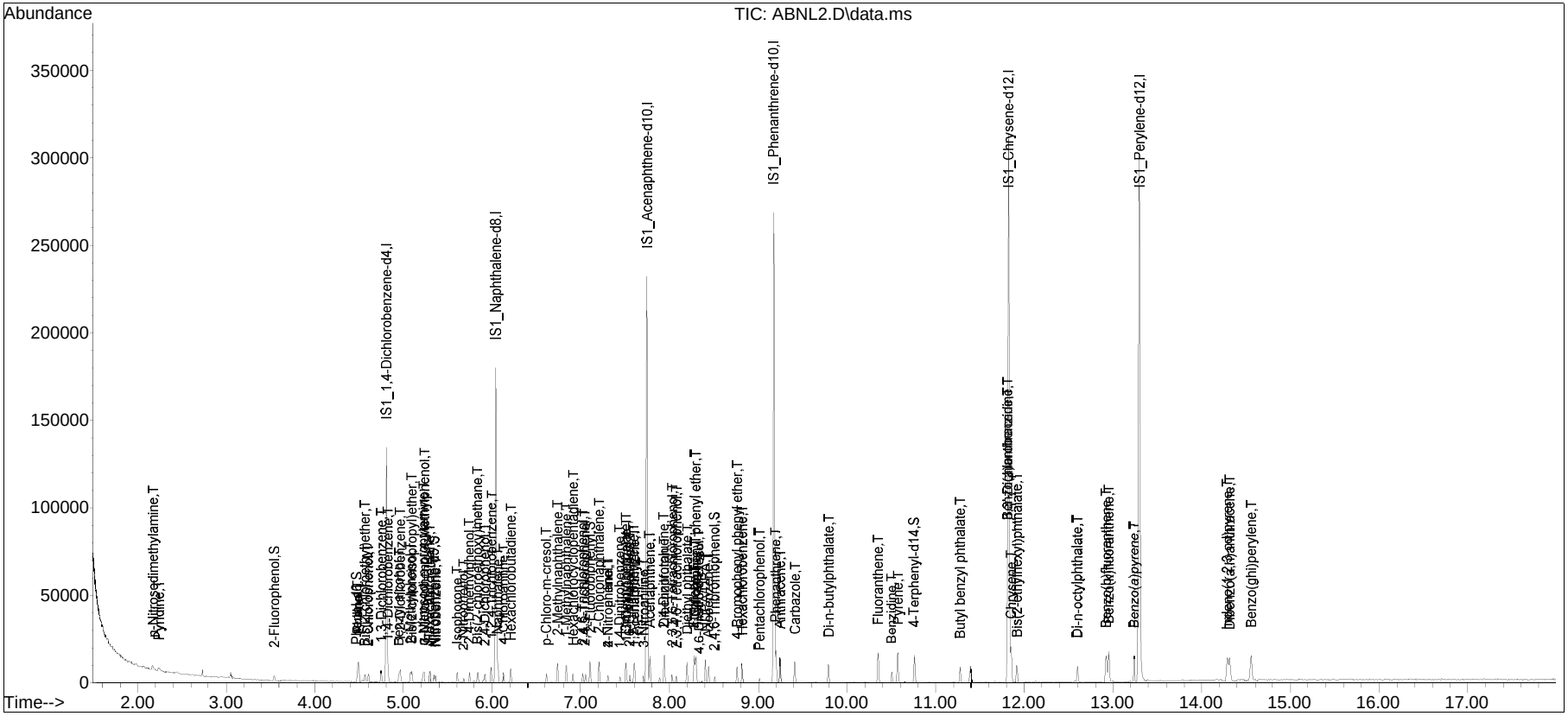
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

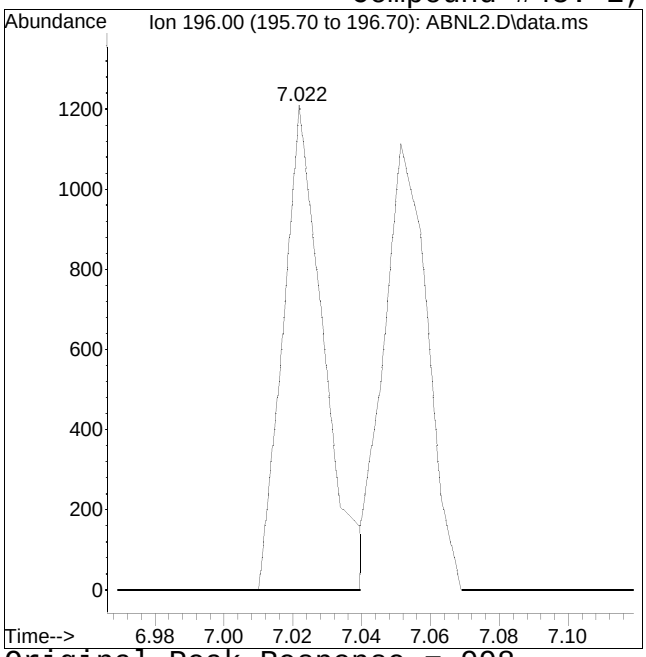
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

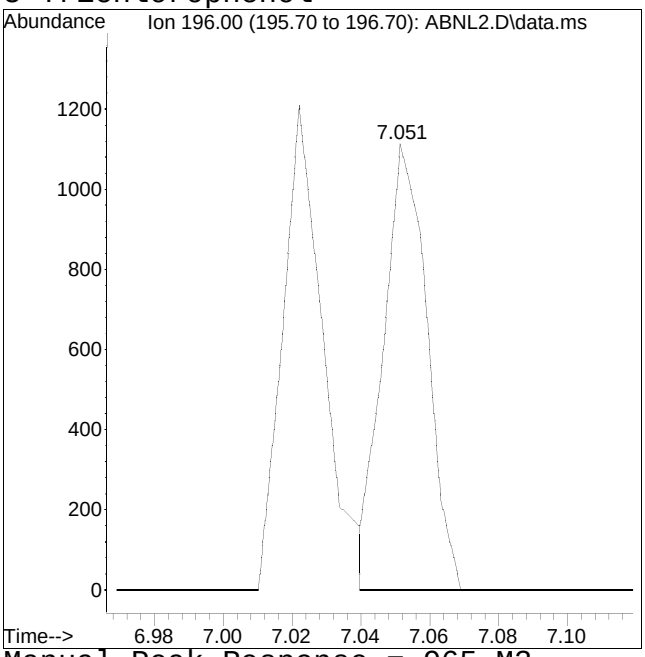


Manual Integration Report

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





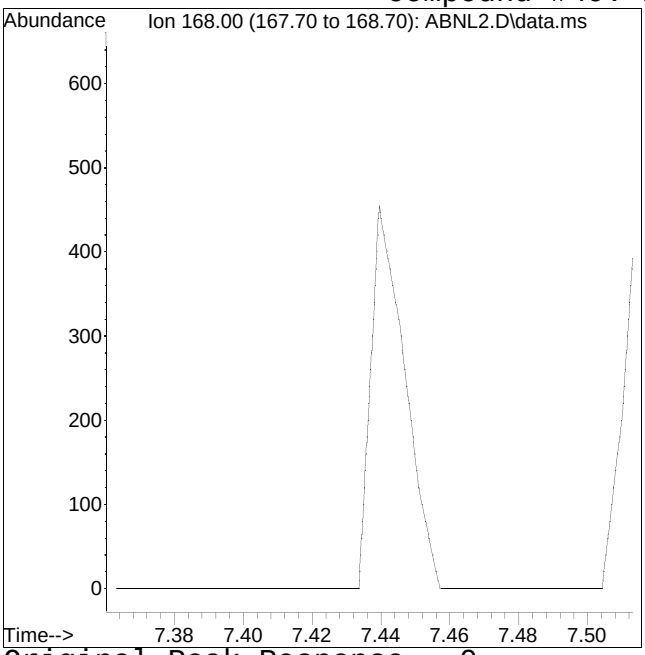
Original Peak Response = 998 Manual Peak Response = 965 M3

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.

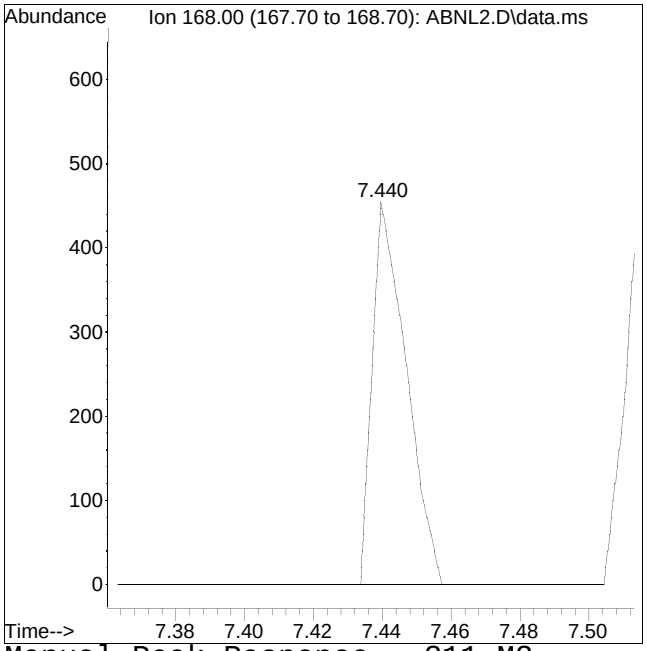
Manual Integration Report

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



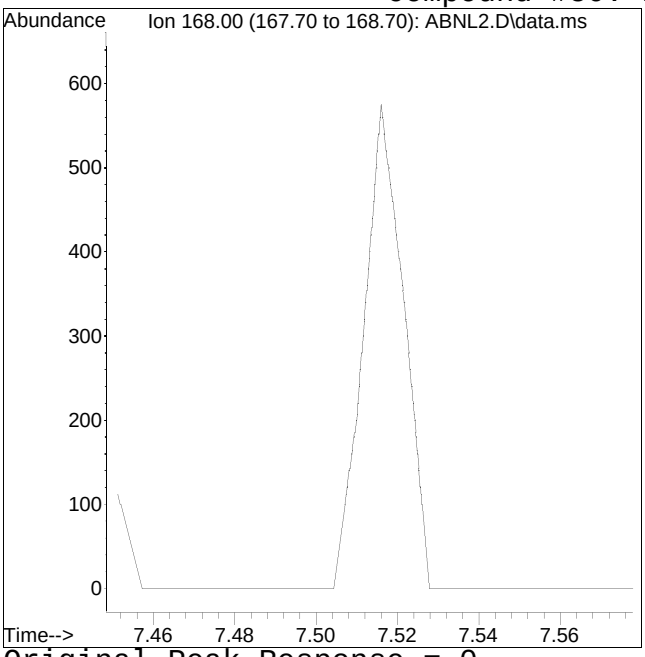
Manual Peak Response = 311 M2

M2 = Peak not found by automatic integration algorithm.

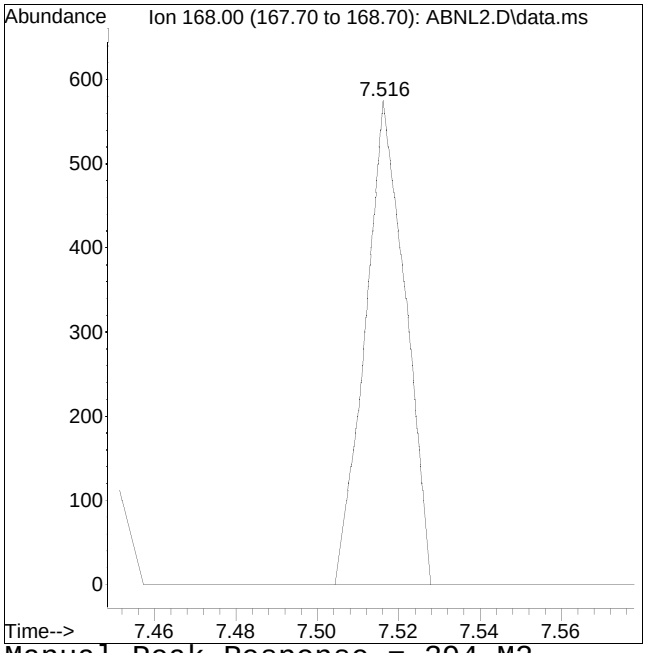
Manual Integration Report

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



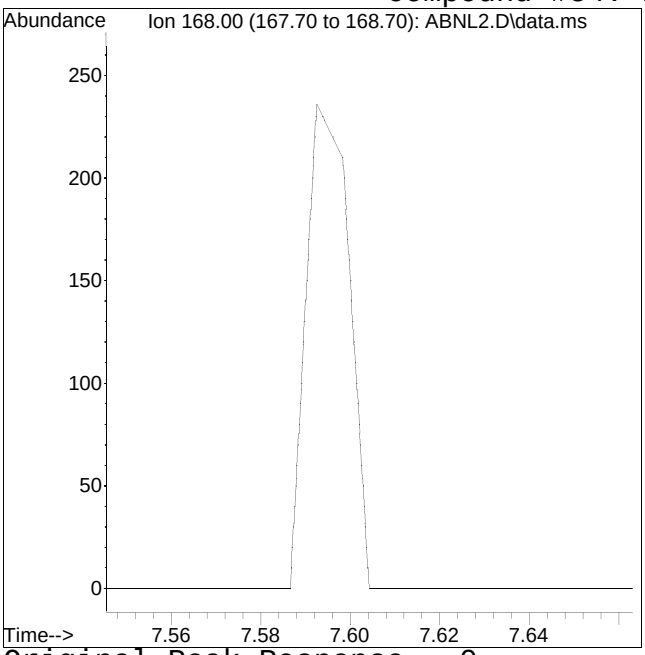
Manual Peak Response = 394 M2

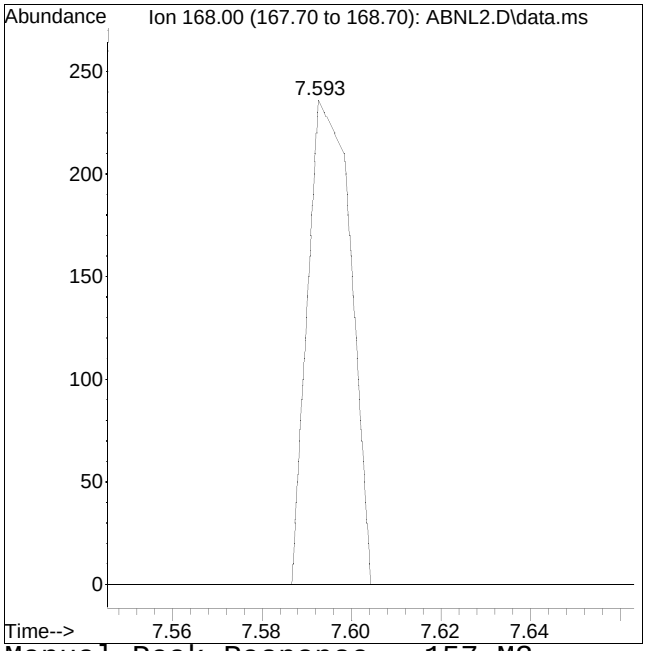
M2 = Peak not found by automatic integration algorithm.

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





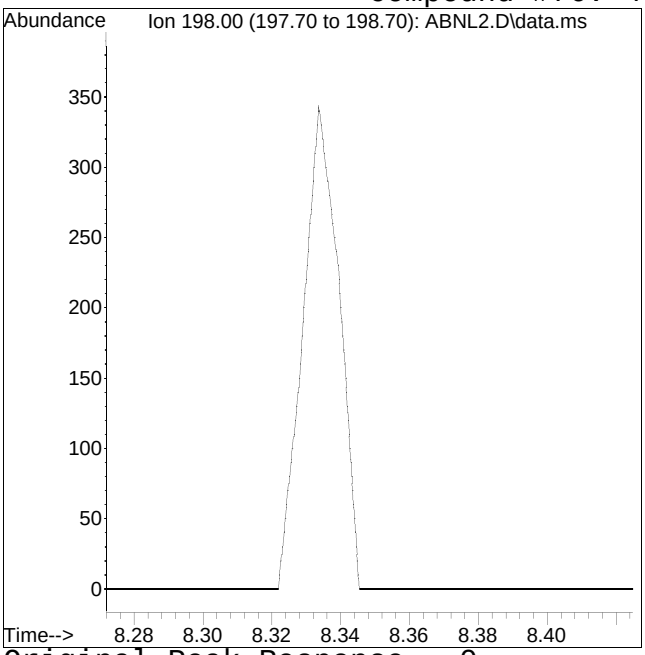
Original Peak Response = 0 Manual Peak Response = 157 M3

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.

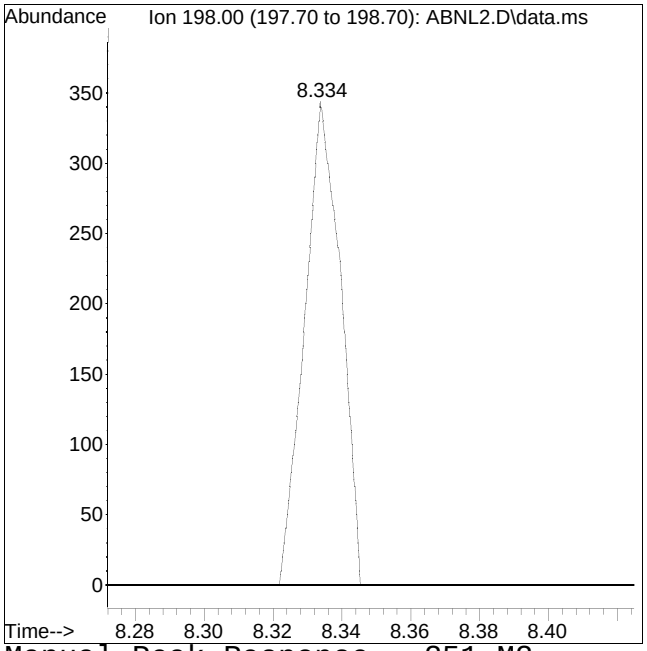
Manual Integration Report

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



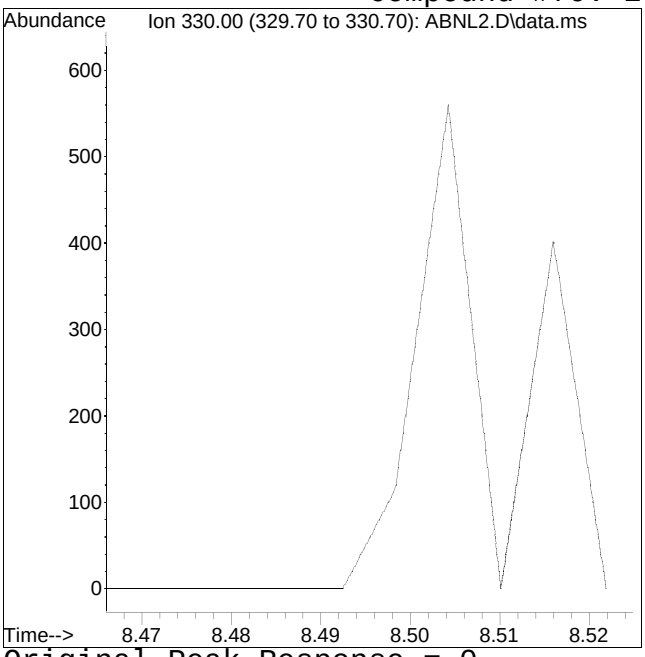
Manual Peak Response = 251 M2

M2 = Peak not found by automatic integration algorithm.

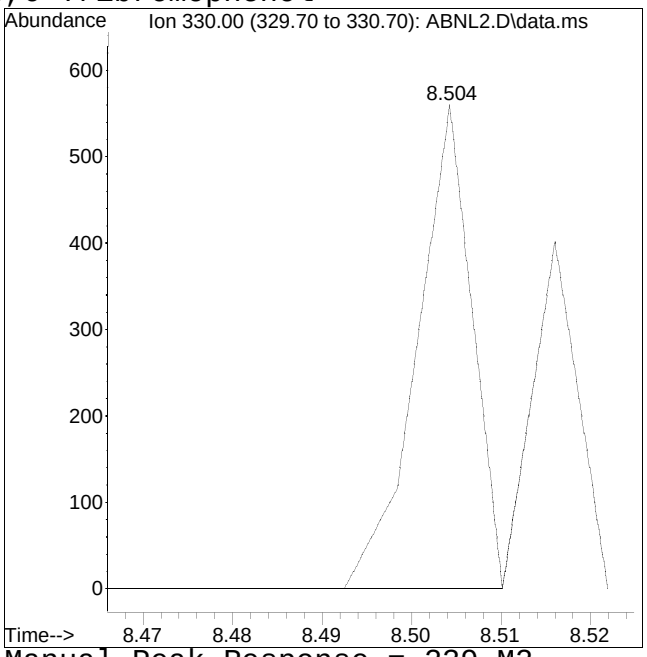
Manual Integration Report

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



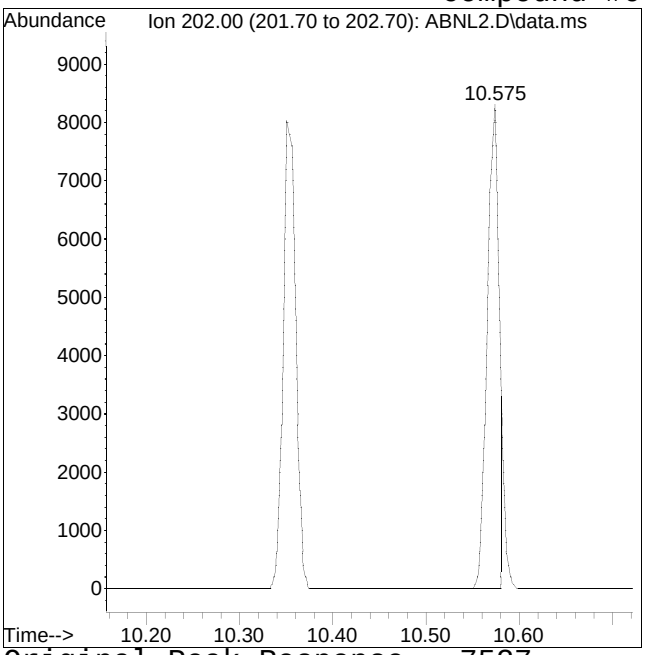
Manual Peak Response = 239 M2

M2 = Peak not found by automatic integration algorithm.

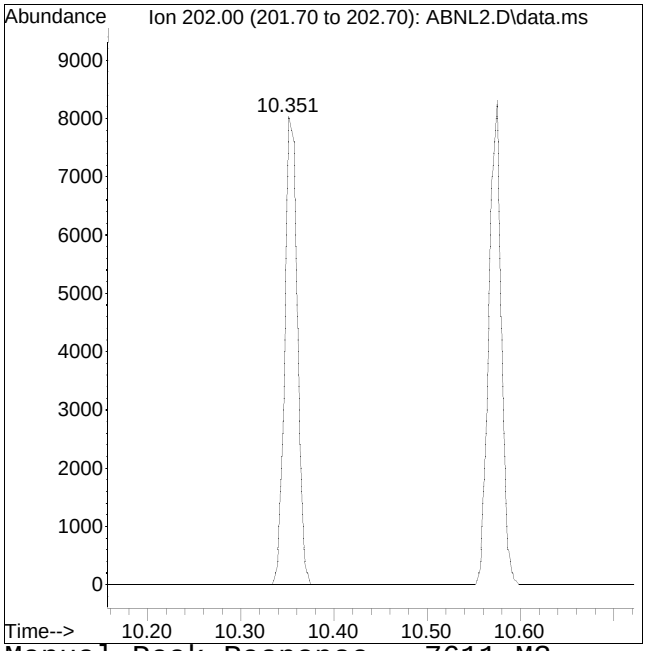
Manual Integration Report

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



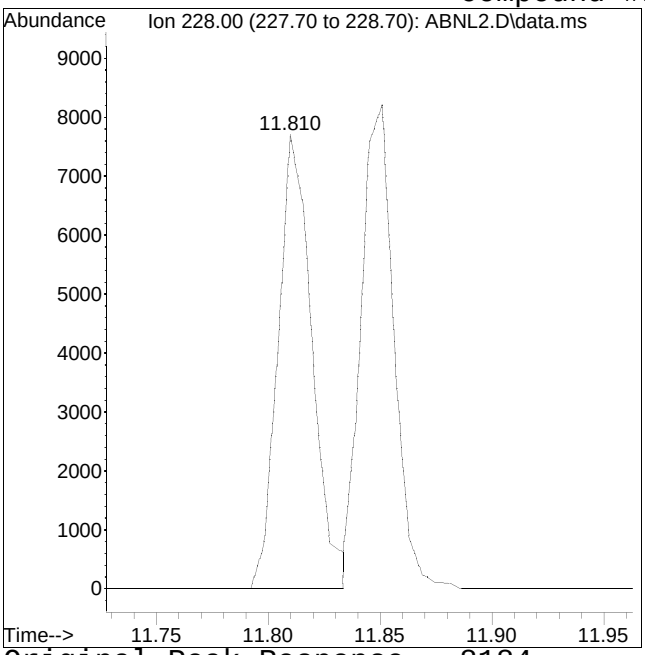
Manual Peak Response = 7611 M3

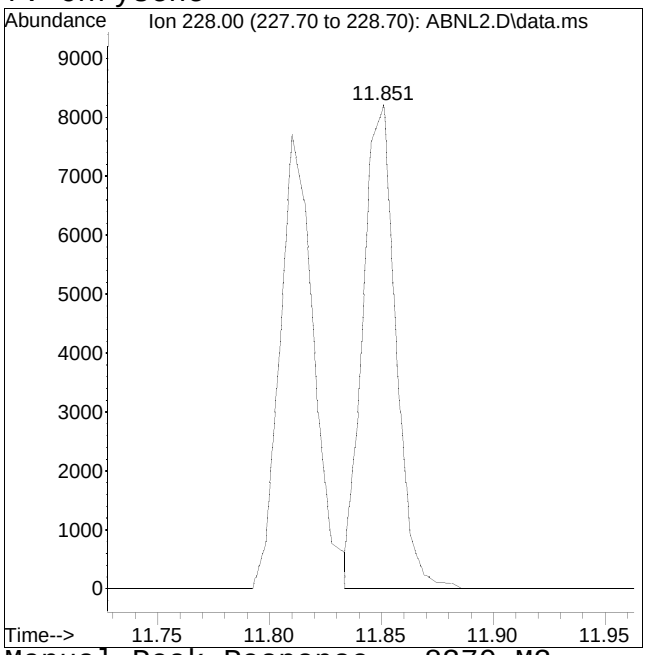
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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





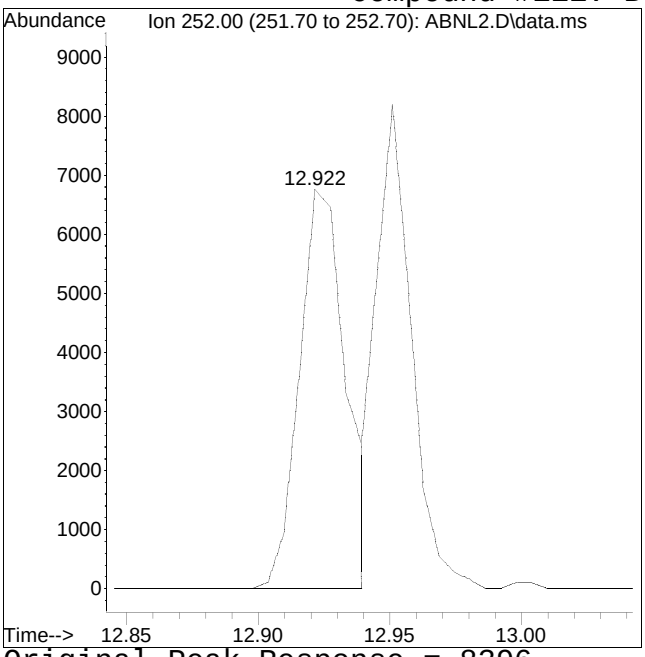
Original Peak Response = 8184 Manual Peak Response = 8370 M3

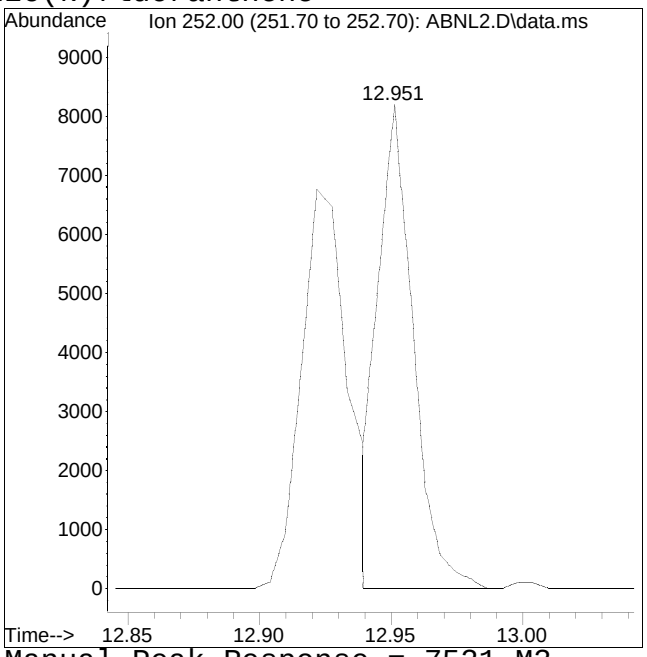
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



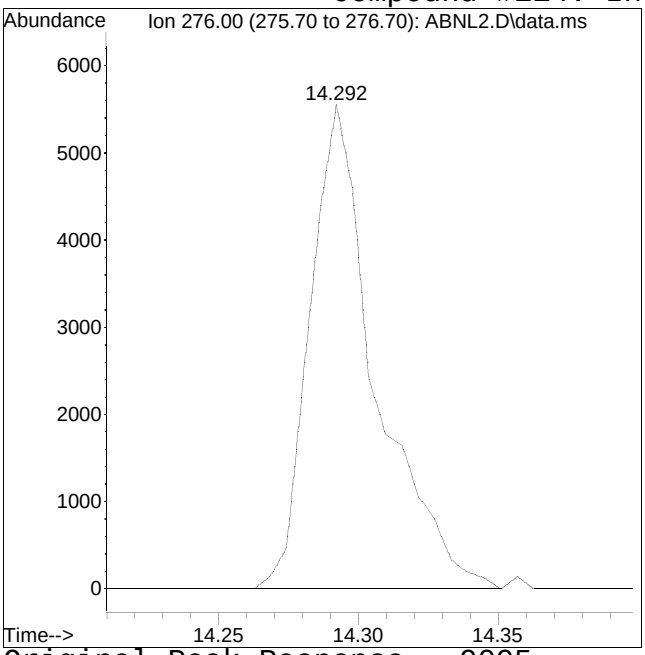


Original Peak Response = 8396 Manual Peak Response = 7521 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

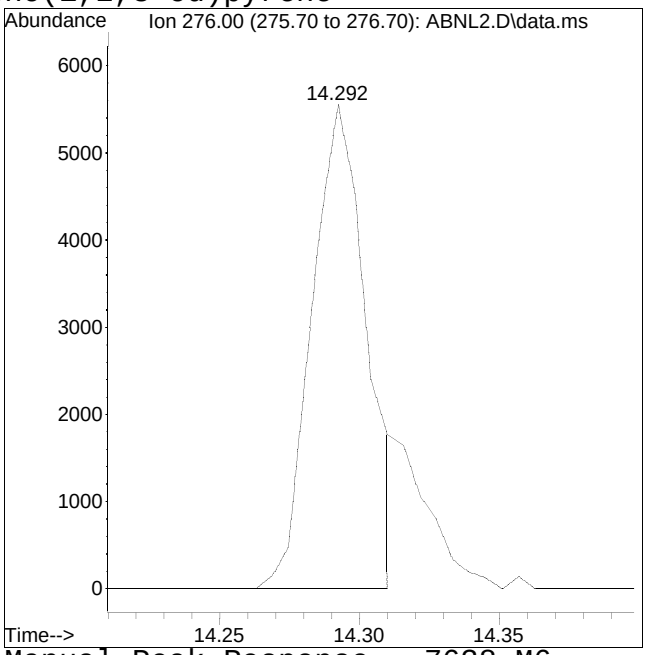
Manual Integration Report

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	

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

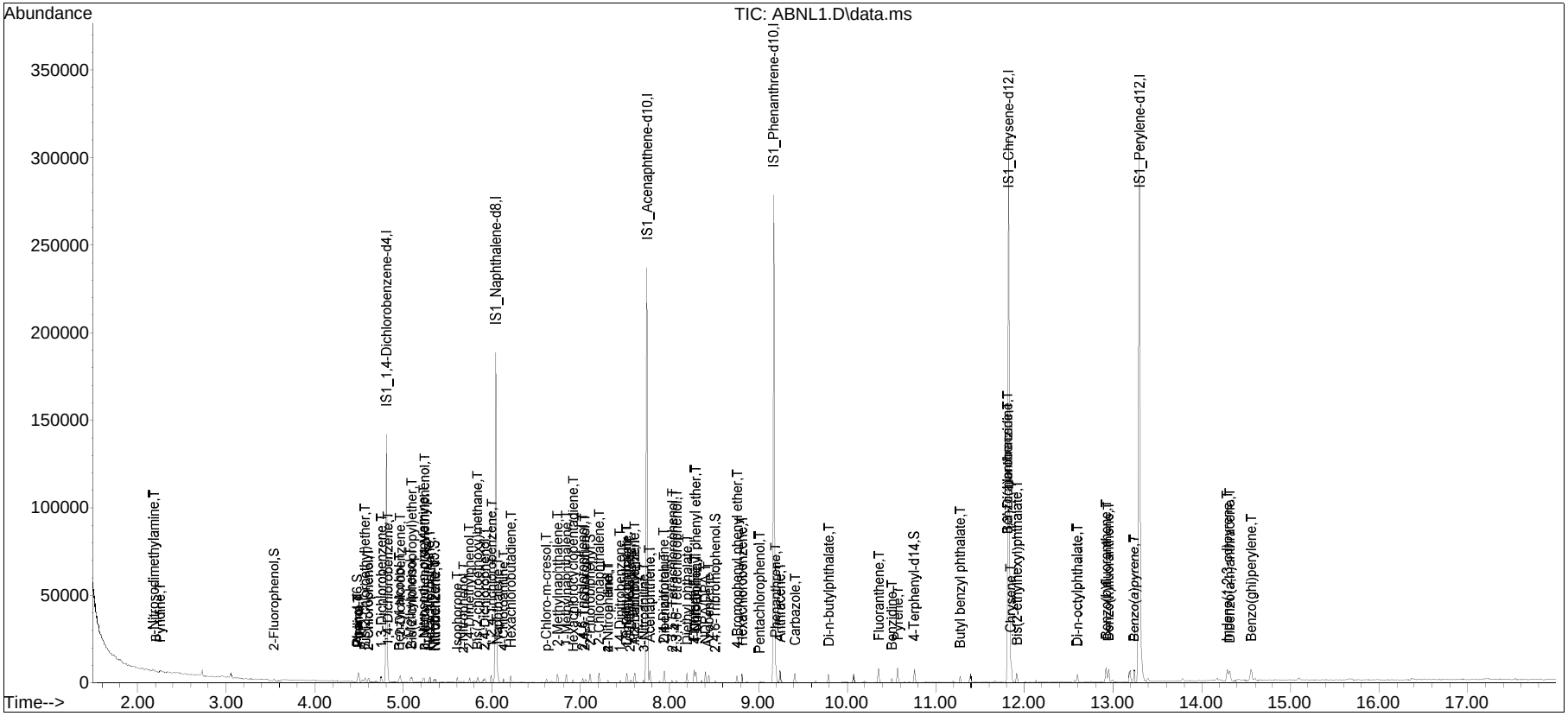
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

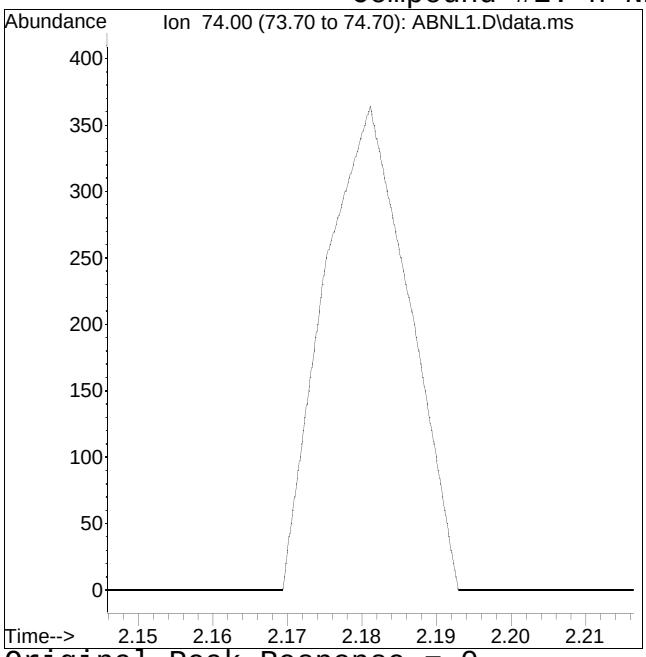
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



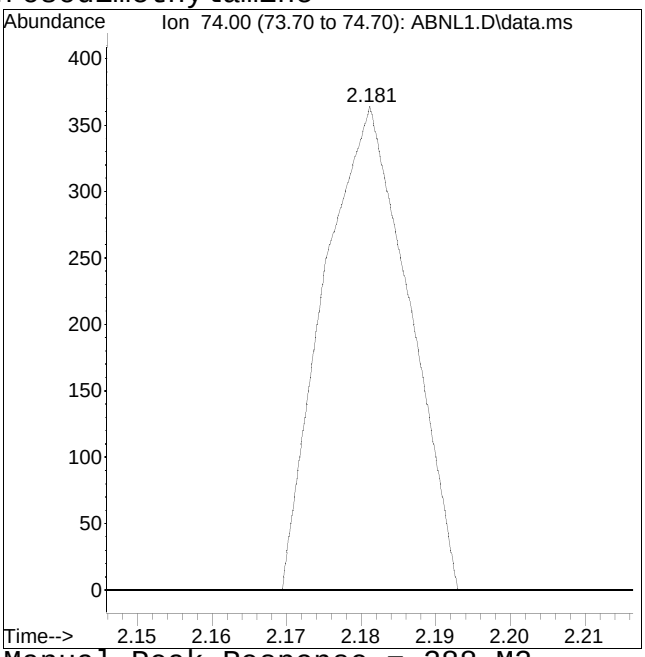
Manual Integration Report

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



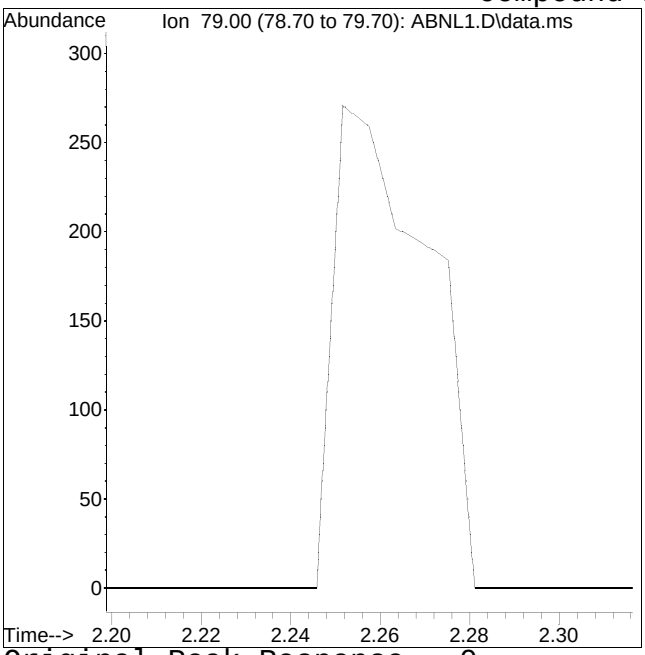
Manual Peak Response = 288 M2

M2 = Peak not found by automatic integration algorithm.

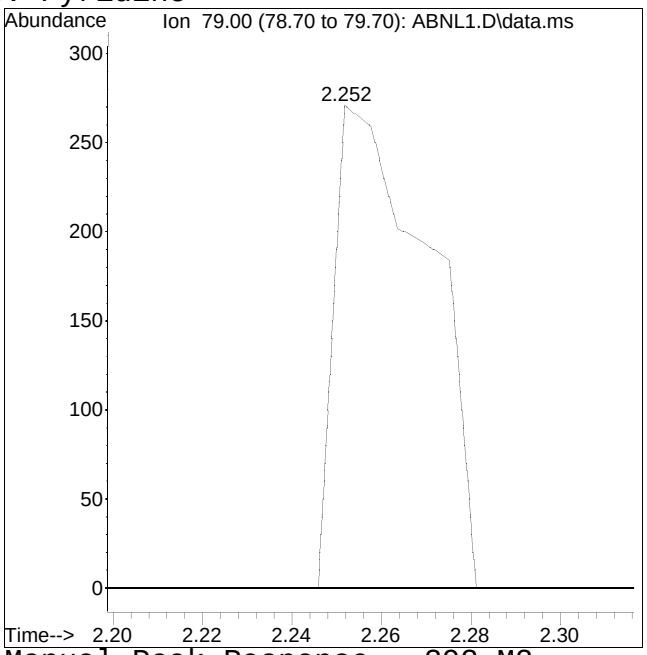
Manual Integration Report

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



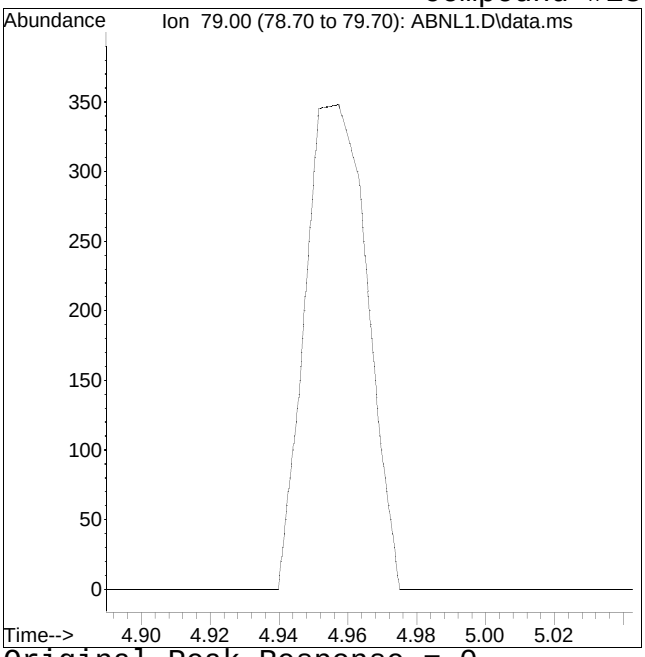
Manual Peak Response = 392 M2

M2 = Peak not found by automatic integration algorithm.

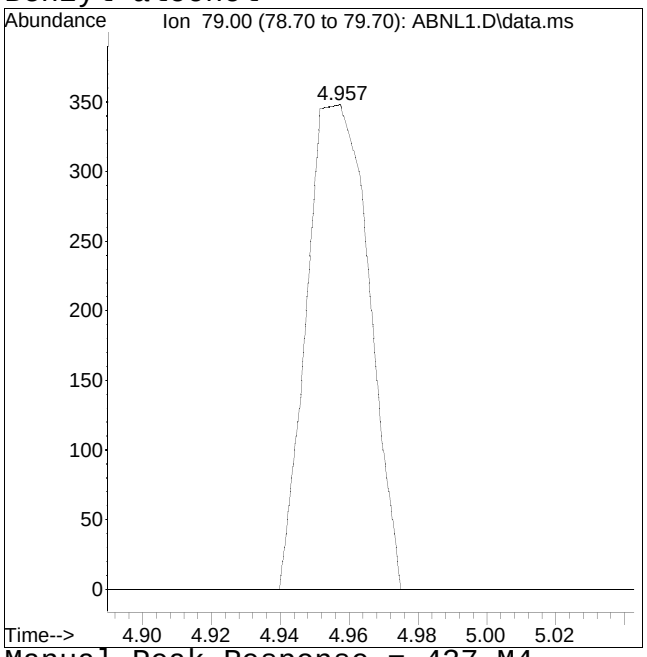
Manual Integration Report

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



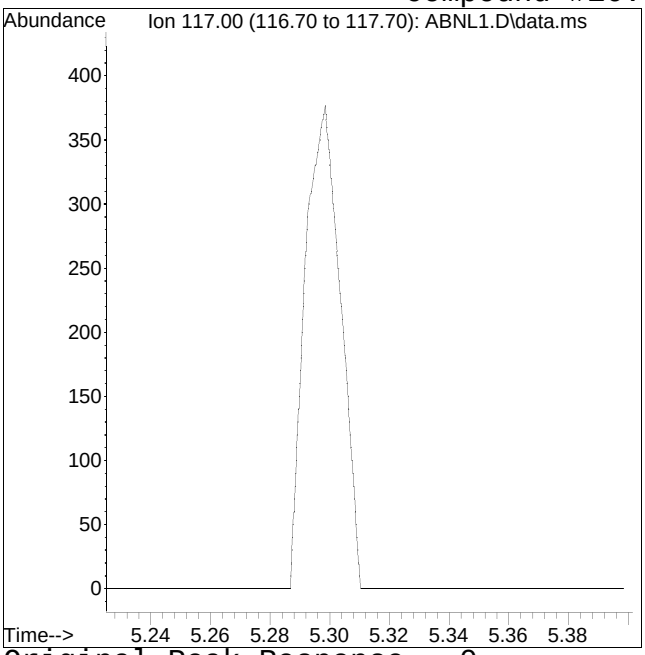
Manual Peak Response = 437 M4

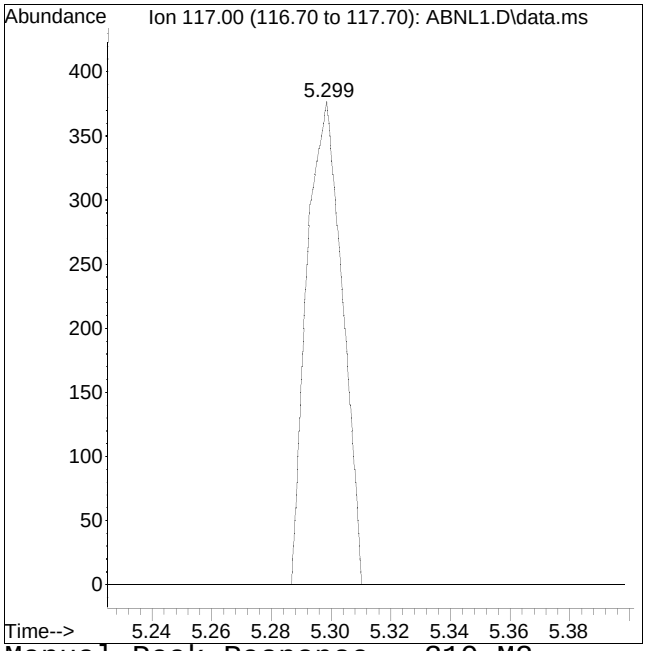
M4 = Poor automated baseline construction.

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



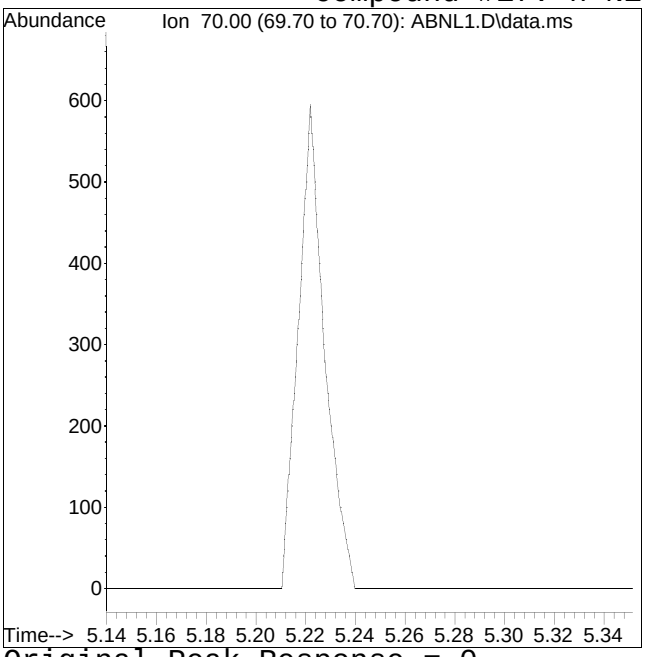


Original Peak Response = 0 Manual Peak Response = 310 M2
M2 = Peak not found by automatic integration algorithm.

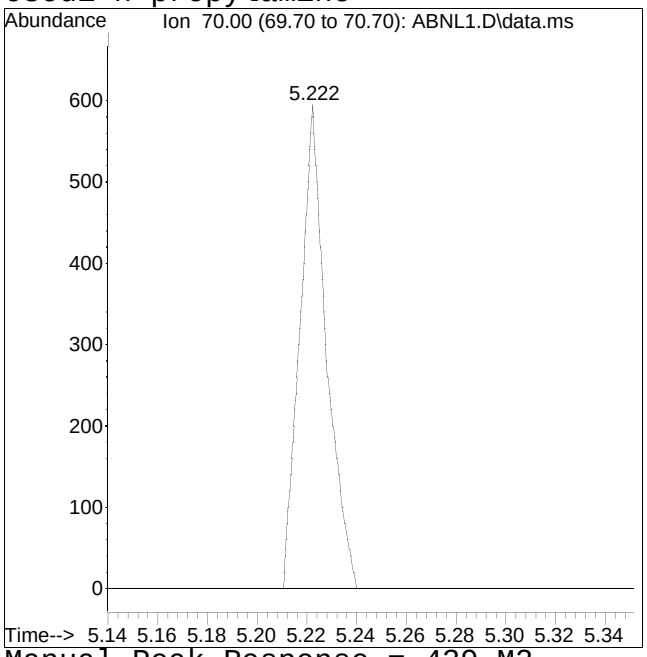
Manual Integration Report

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



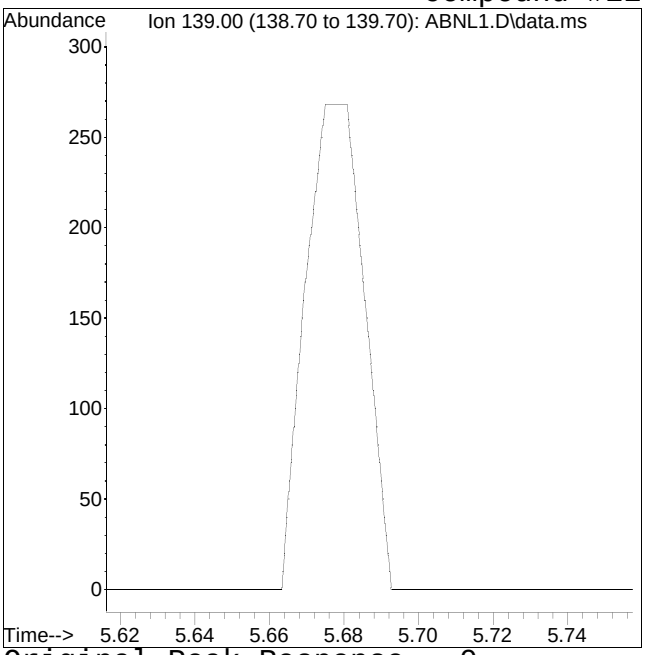
Manual Peak Response = 439 M2

M2 = Peak not found by automatic integration algorithm.

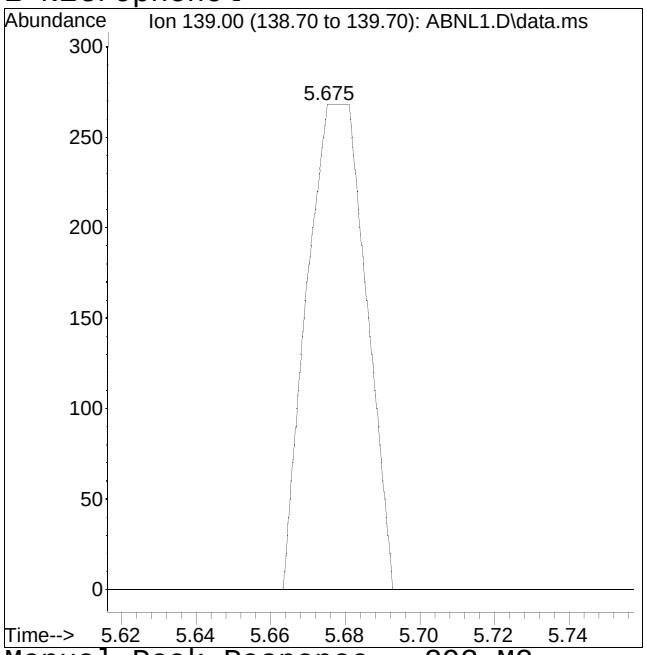
Manual Integration Report

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



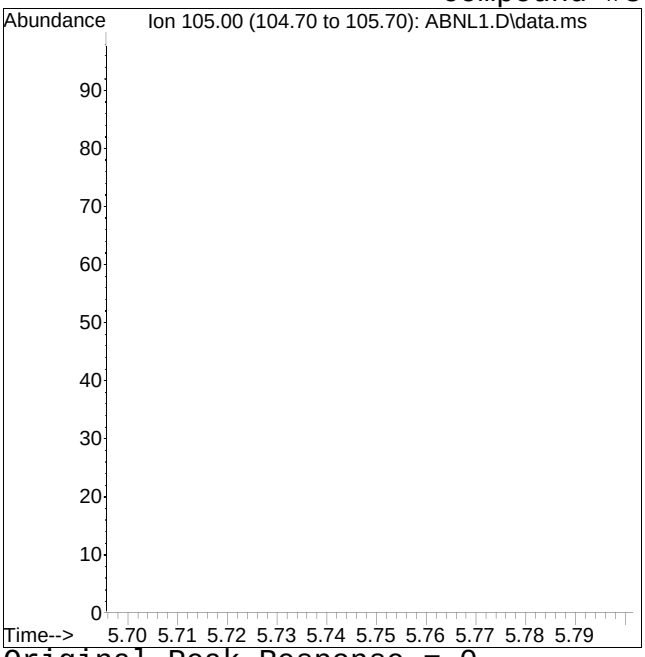
Manual Peak Response = 293 M2

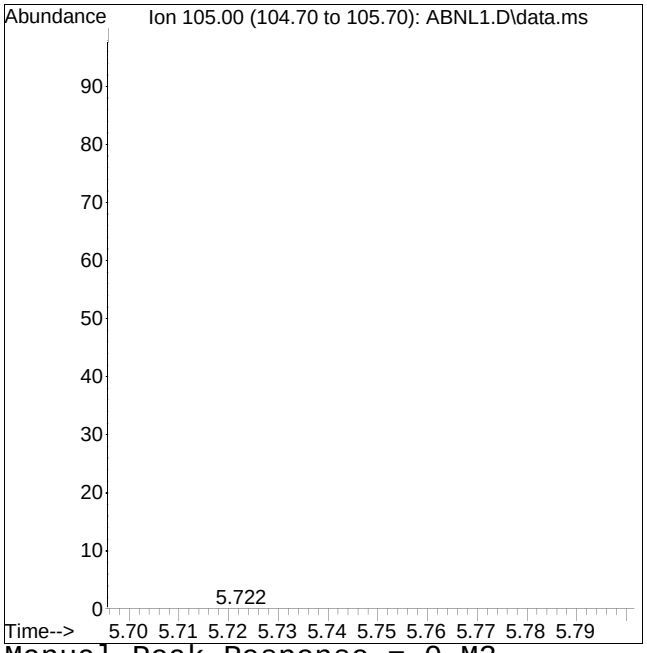
M2 = Peak not found by automatic integration algorithm.

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





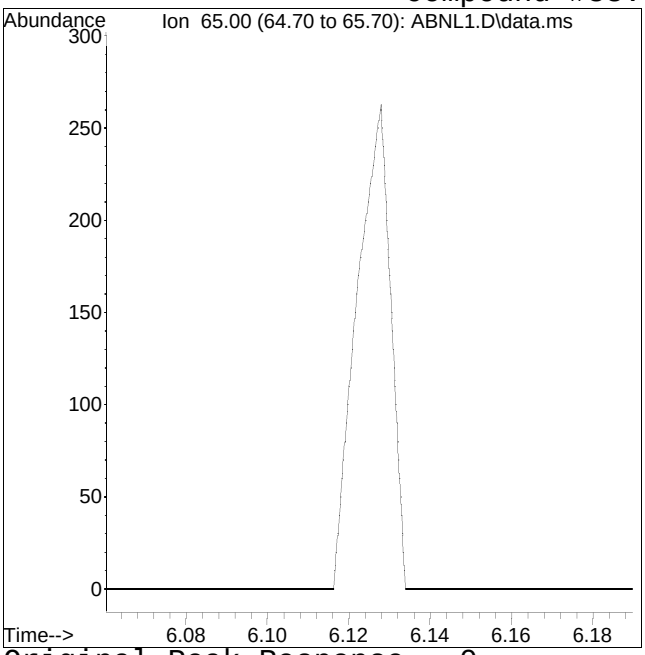
Original Peak Response = 0 Manual Peak Response = 0 M3

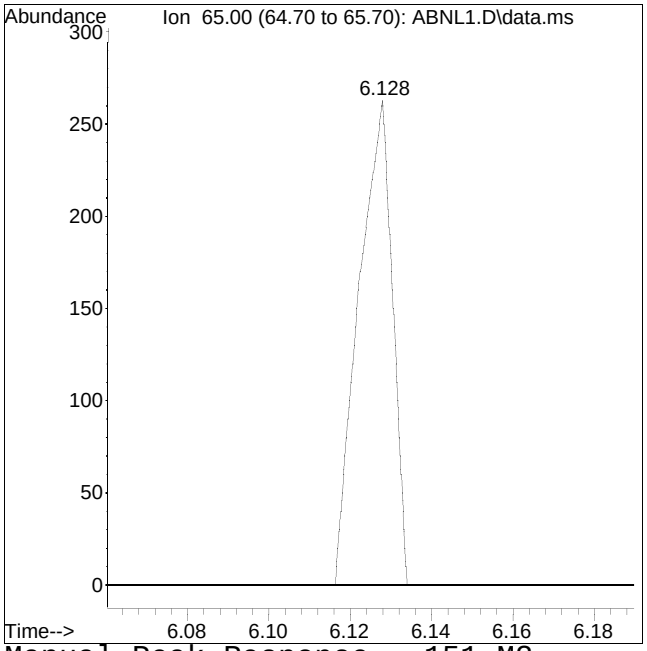
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



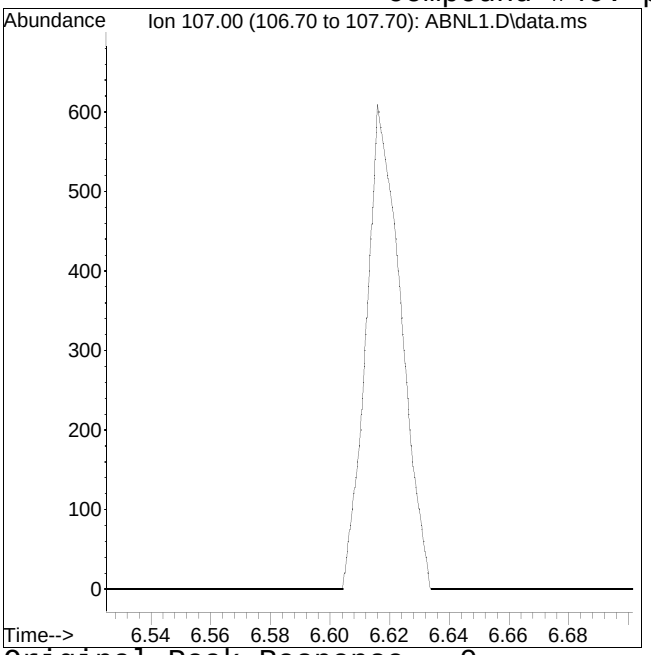


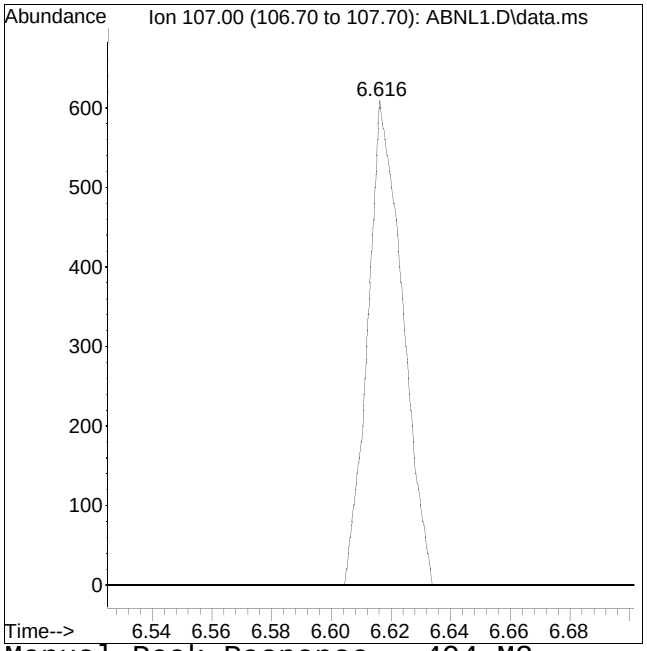
Original Peak Response = 0 Manual Peak Response = 151 M2
M2 = Peak not found by automatic integration algorithm.

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



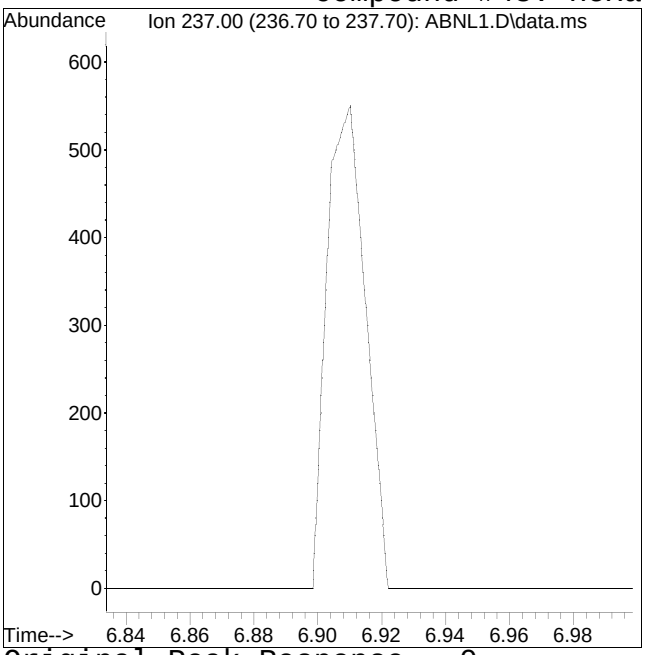


Original Peak Response = 0 Manual Peak Response = 494 M2
M2 = Peak not found by automatic integration algorithm.

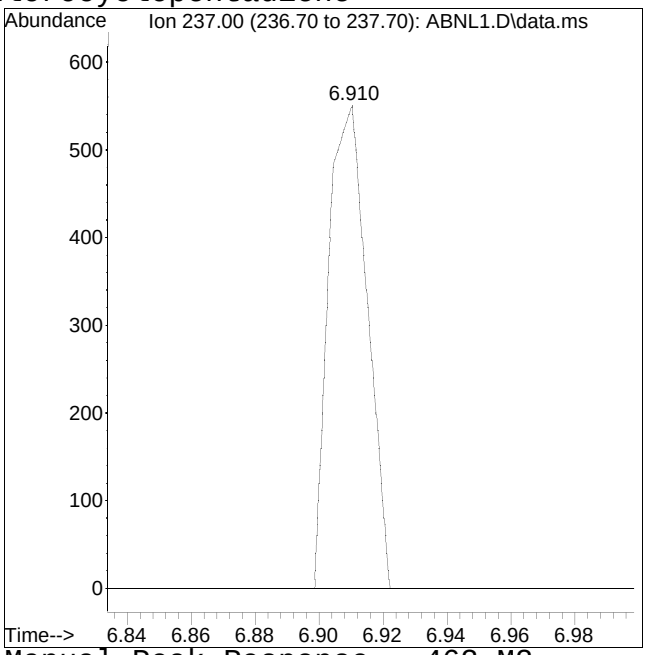
Manual Integration Report

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



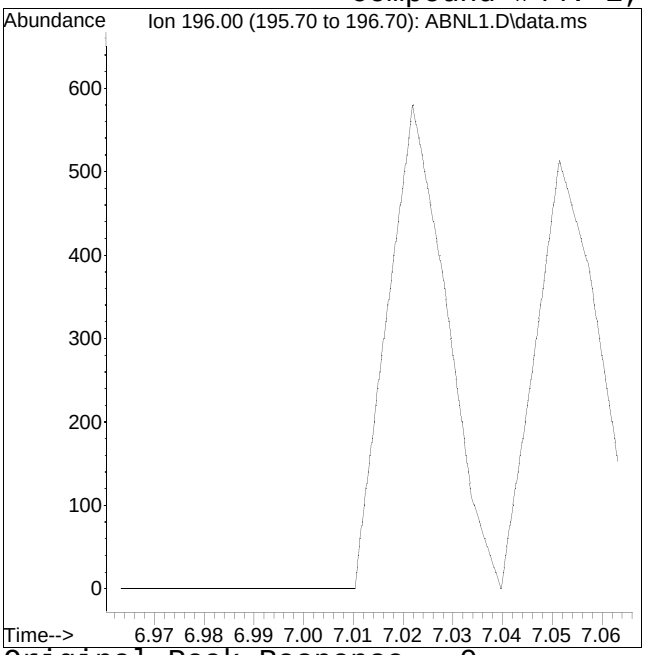
Manual Peak Response = 462 M2

M2 = Peak not found by automatic integration algorithm.

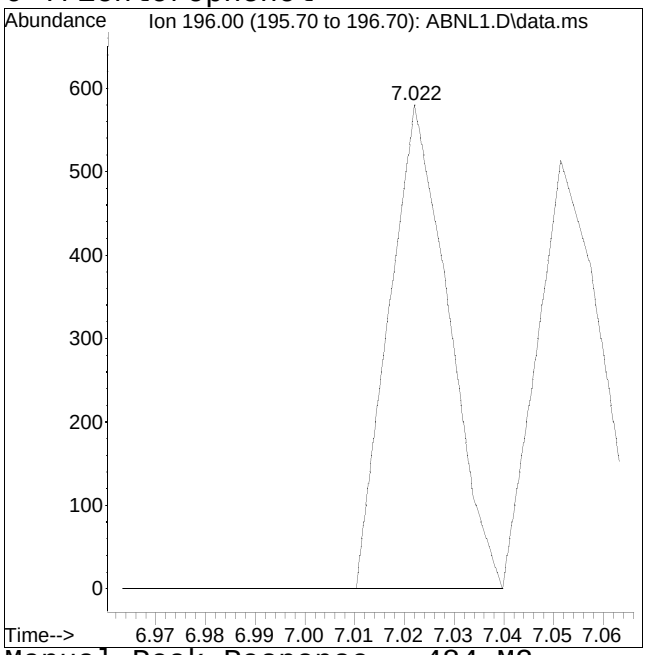
Manual Integration Report

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



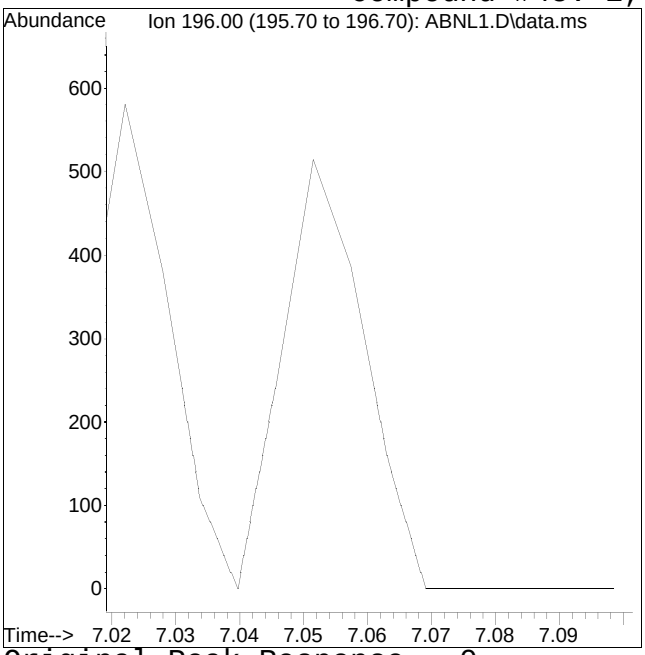
Manual Peak Response = 484 M2

M2 = Peak not found by automatic integration algorithm.

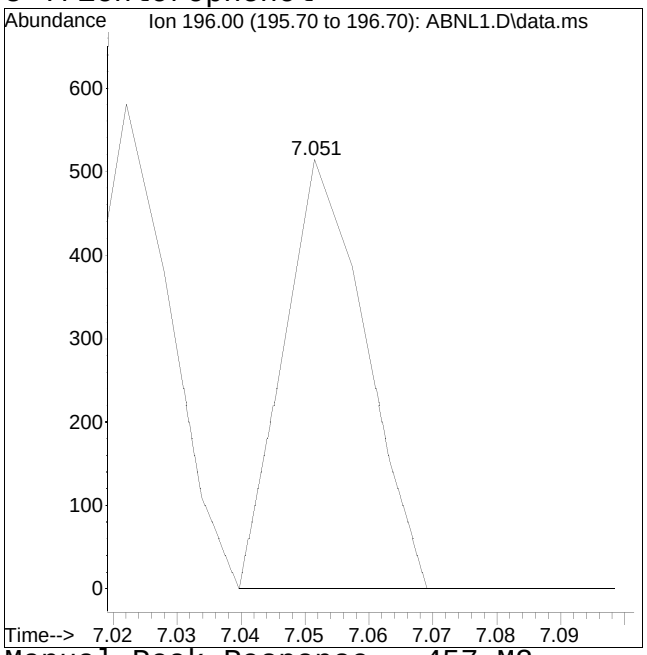
Manual Integration Report

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



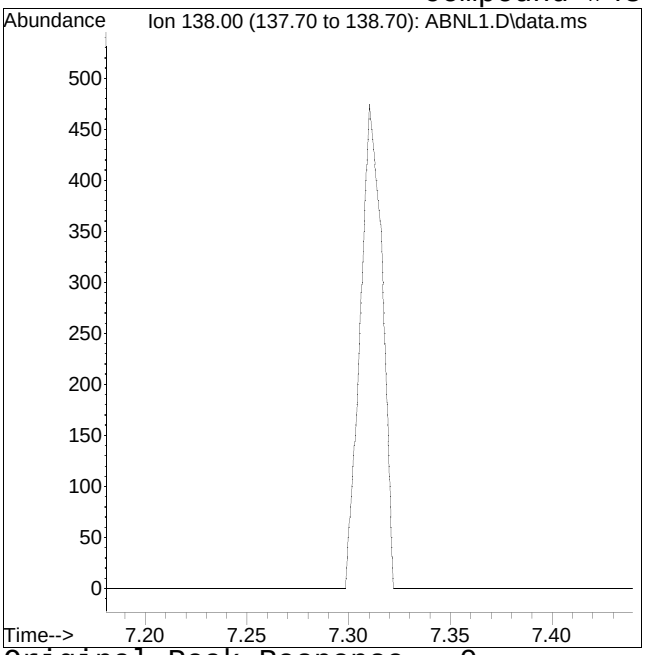
Manual Peak Response = 457 M2

M2 = Peak not found by automatic integration algorithm.

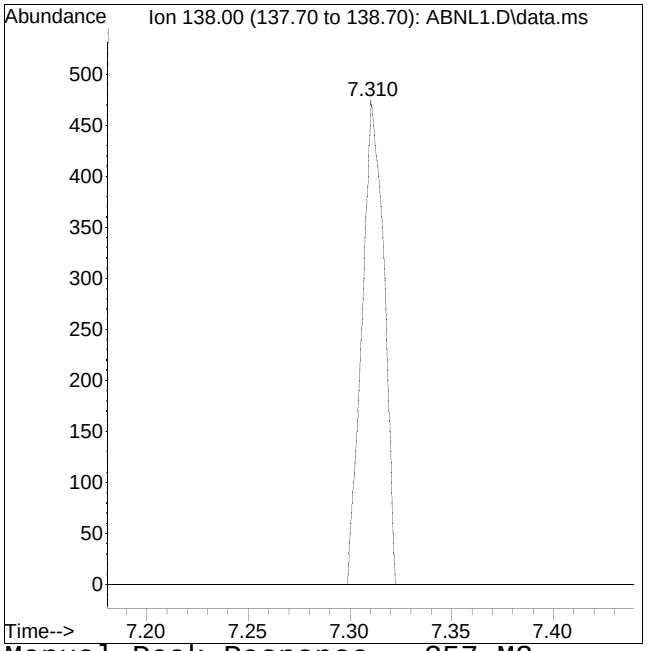
Manual Integration Report

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



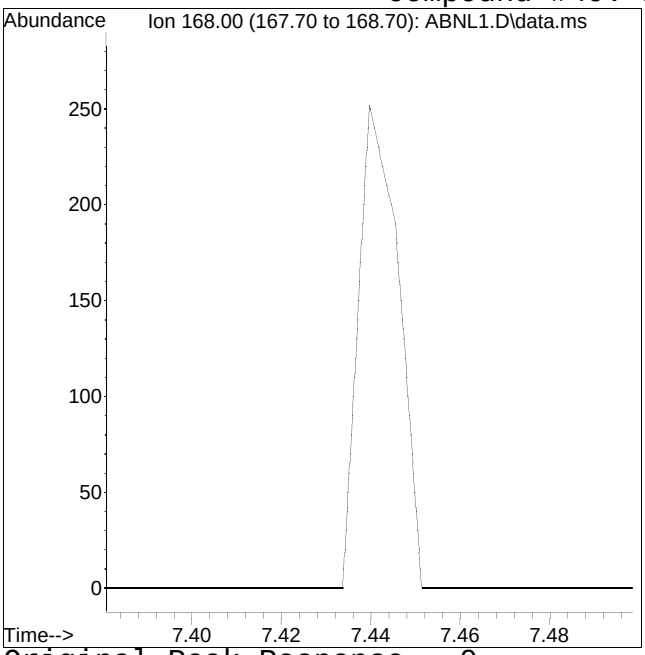
Manual Peak Response = 357 M2

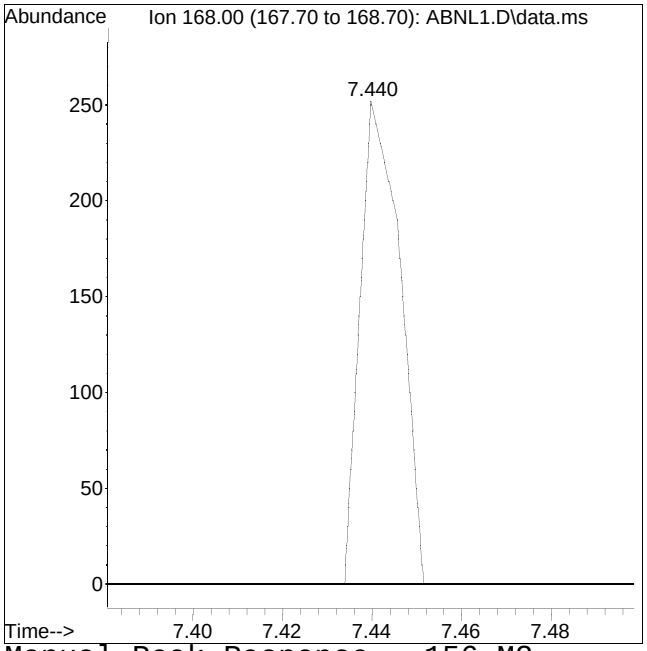
M2 = Peak not found by automatic integration algorithm.

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



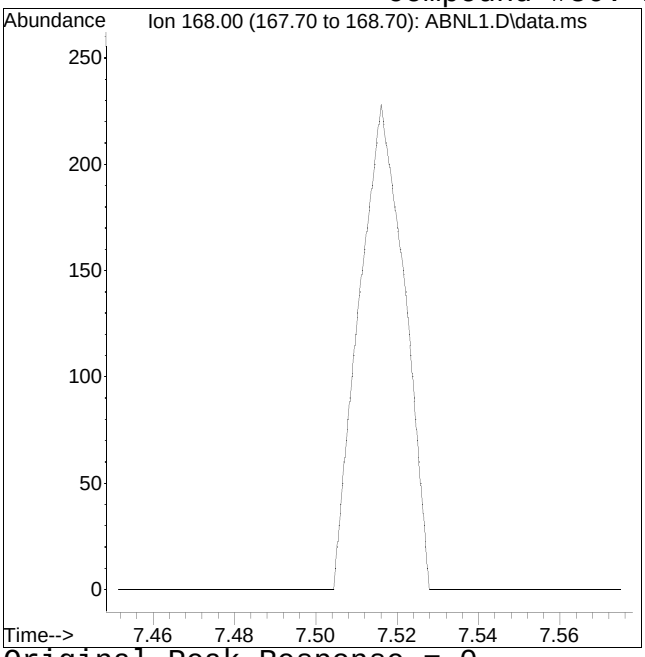


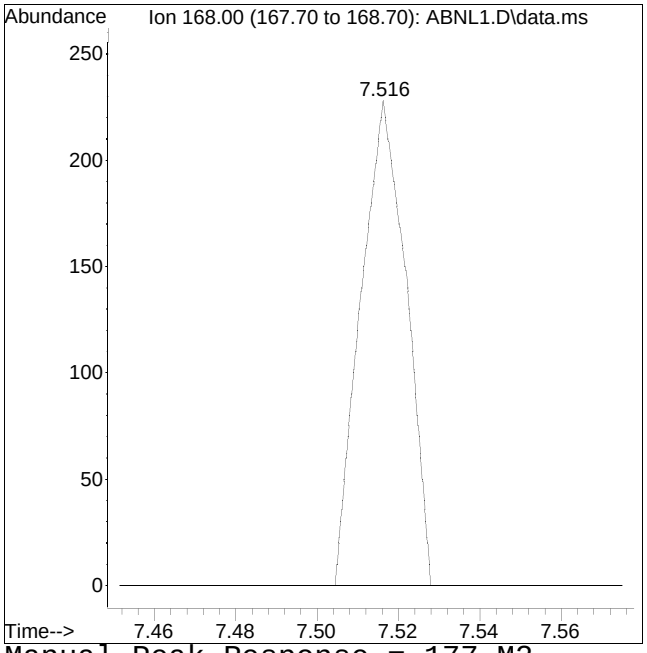
Original Peak Response = 0 Manual Peak Response = 156 M2
M2 = Peak not found by automatic integration algorithm.

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



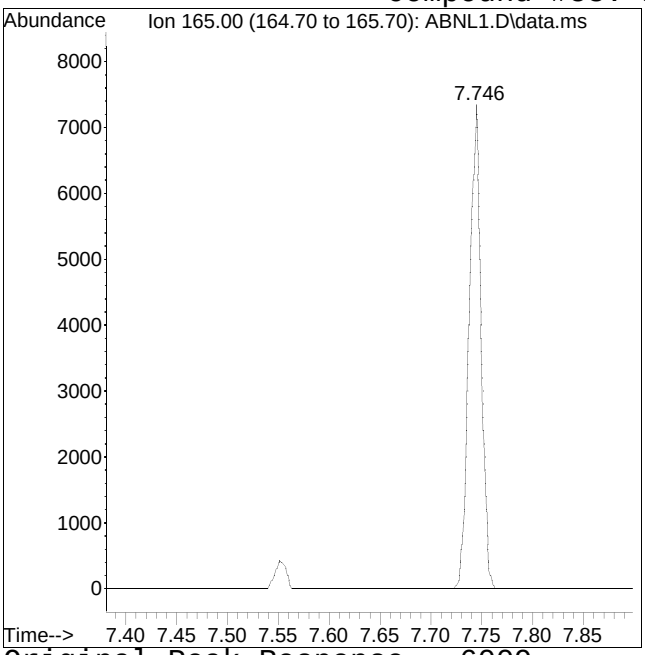


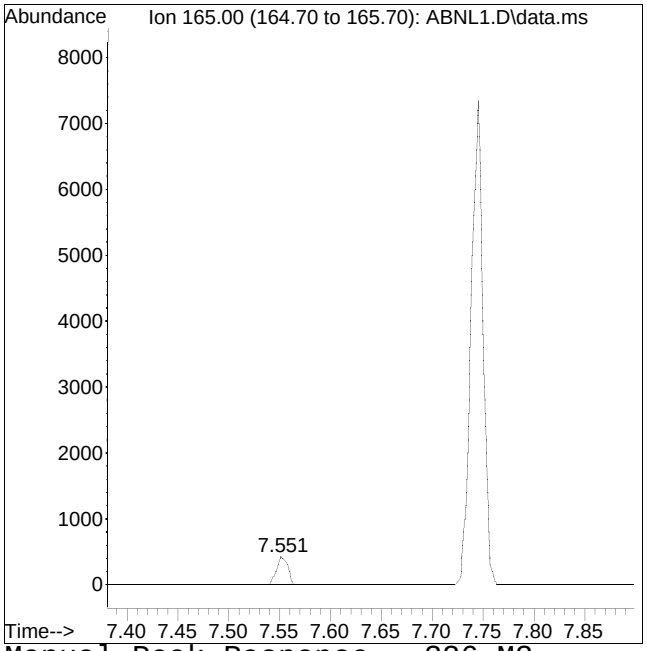
Original Peak Response = 0 Manual Peak Response = 177 M2
M2 = Peak not found by automatic integration algorithm.

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





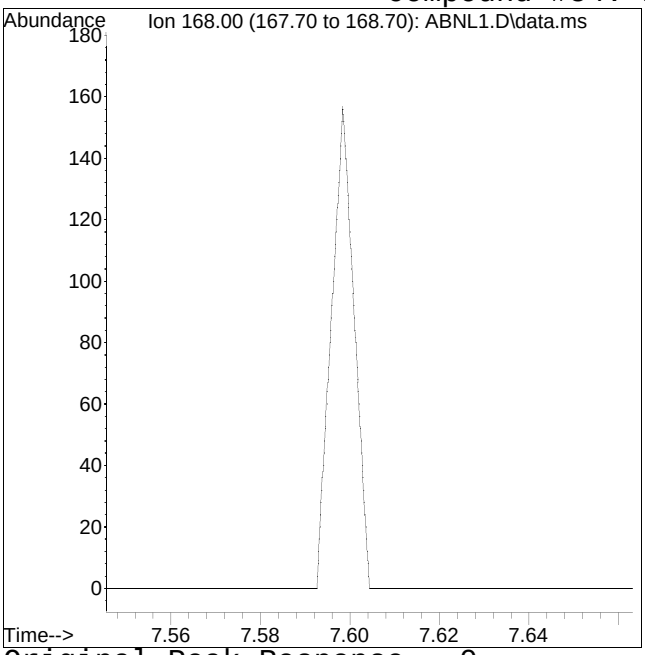
Original Peak Response = 6009 Manual Peak Response = 326 M3

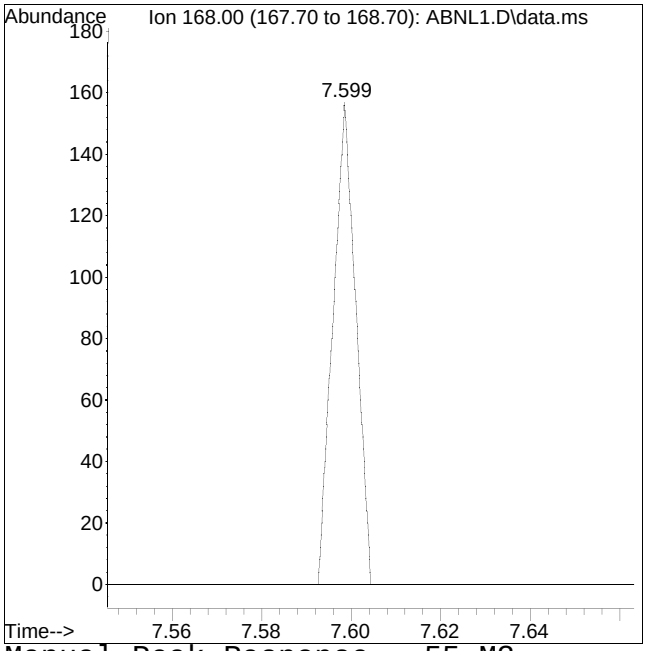
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



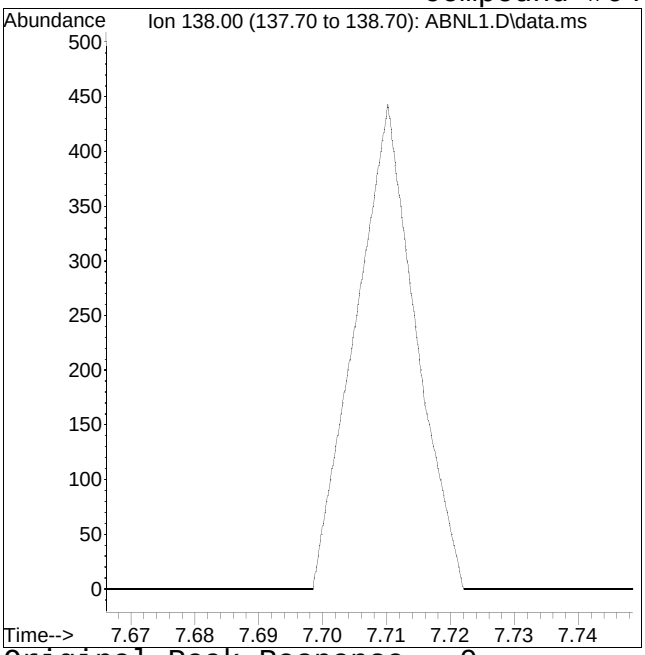


Original Peak Response = 0 Manual Peak Response = 55 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

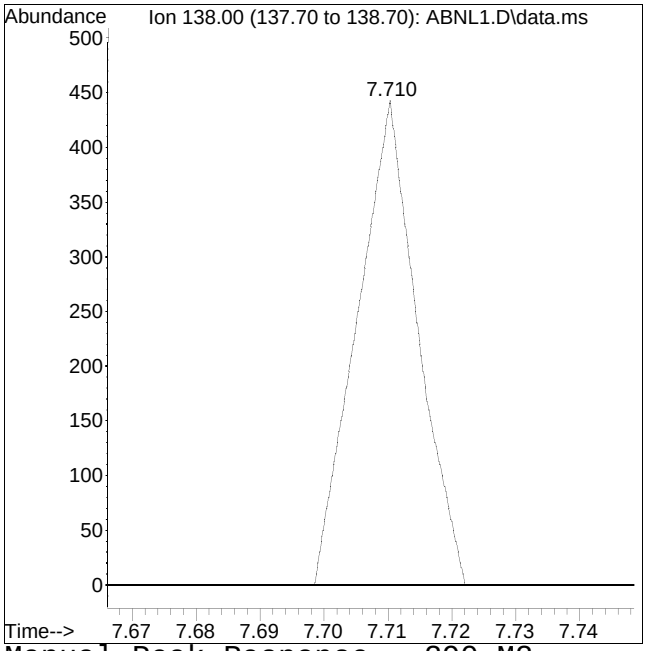
Manual Integration Report

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



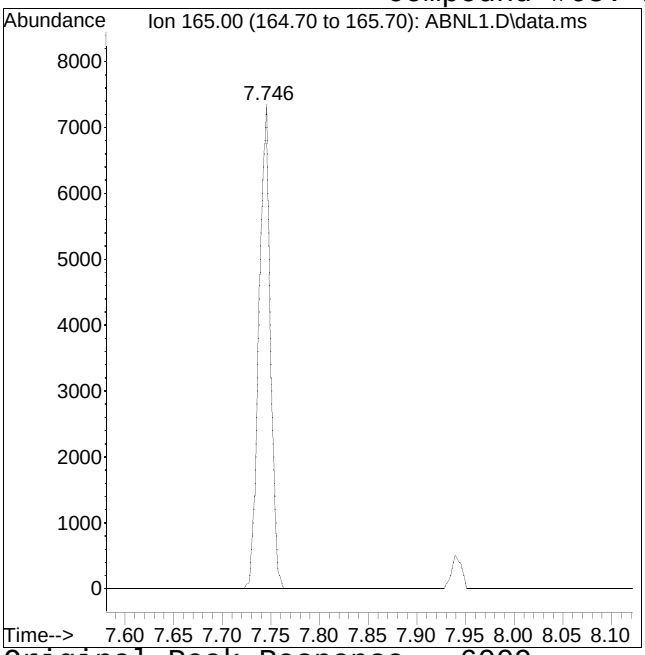
Manual Peak Response = 290 M2

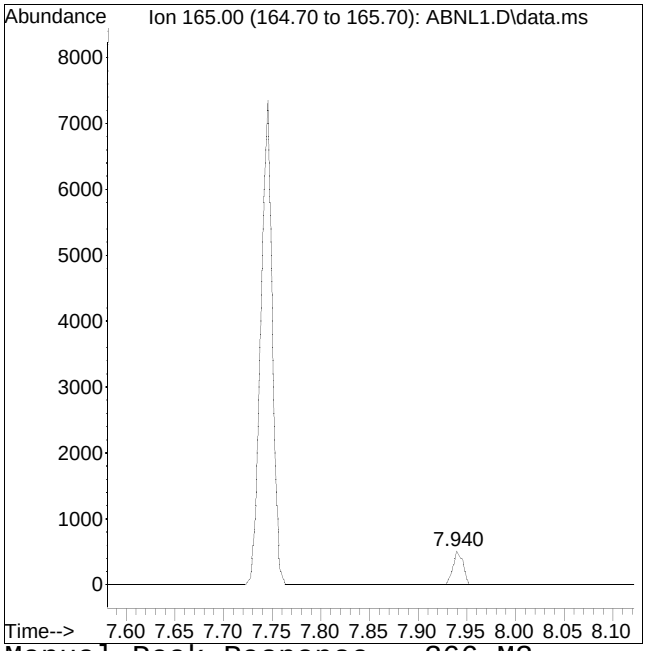
M2 = Peak not found by automatic integration algorithm.

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



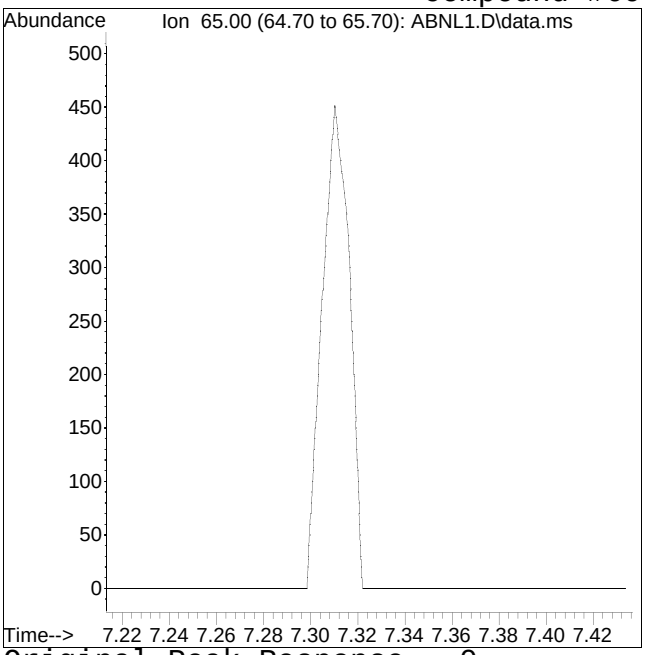


Original Peak Response = 6009 Manual Peak Response = 366 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

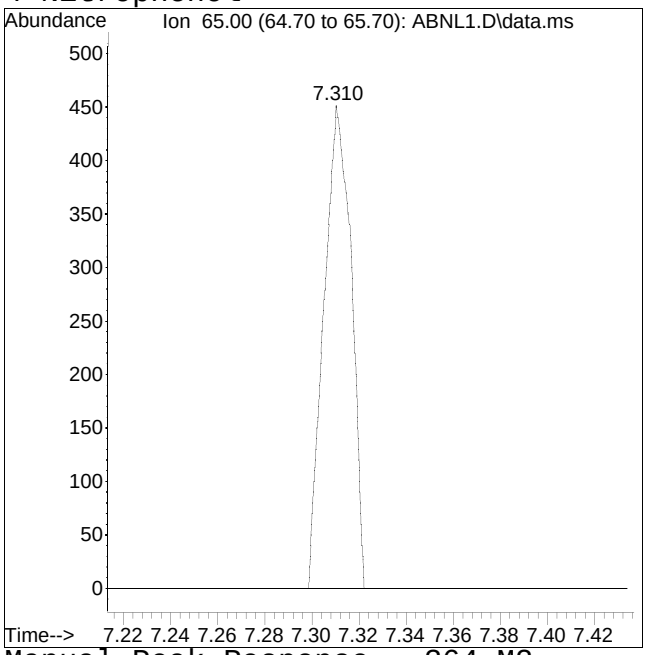
Manual Integration Report

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



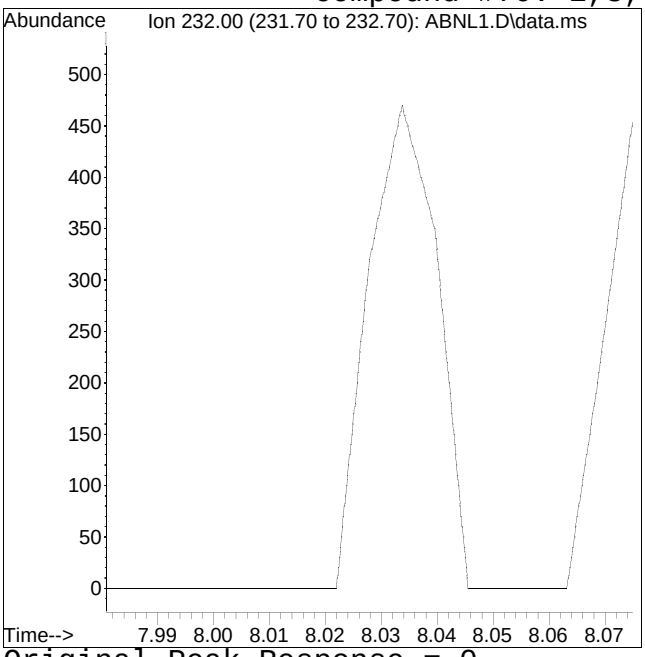
Manual Peak Response = 364 M2

M2 = Peak not found by automatic integration algorithm.

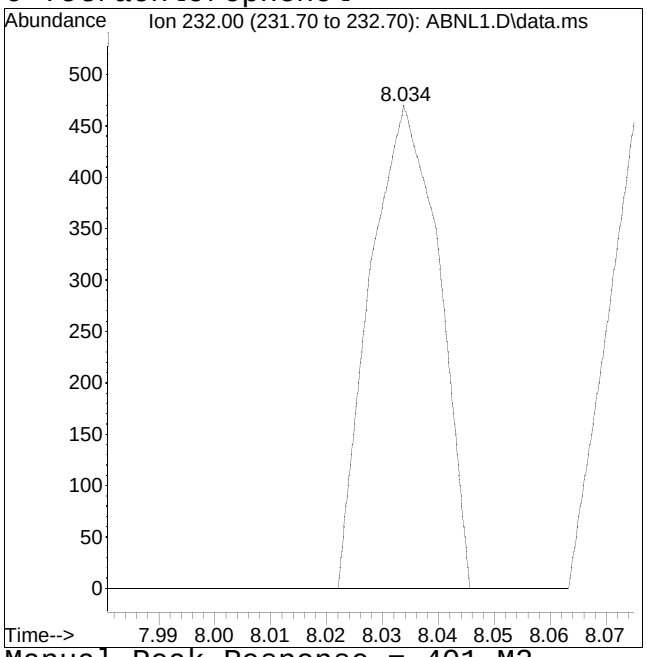
Manual Integration Report

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



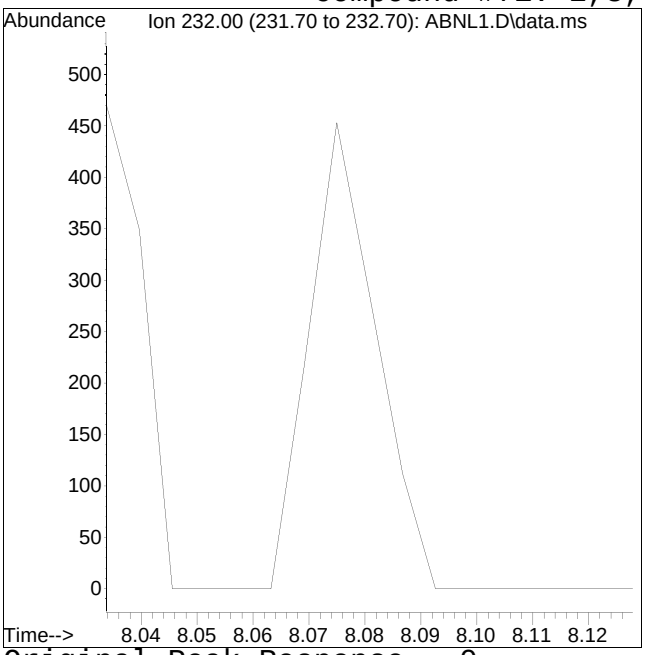
Manual Peak Response = 401 M2

M2 = Peak not found by automatic integration algorithm.

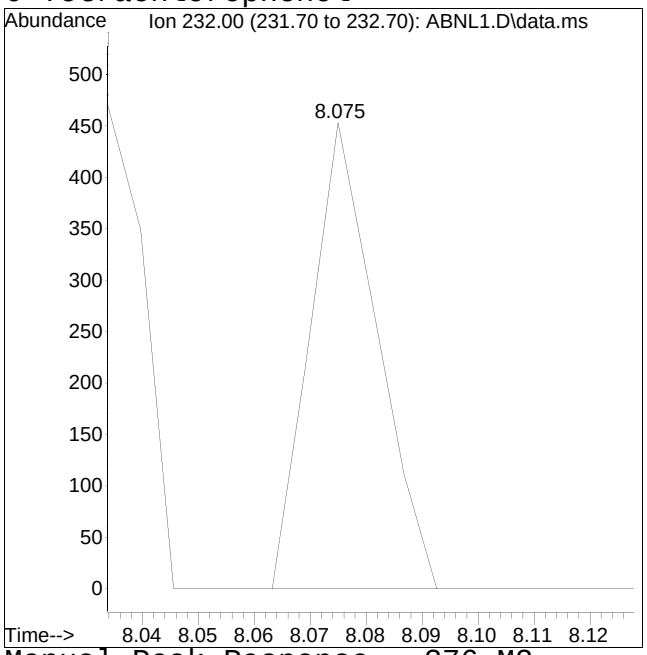
Manual Integration Report

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



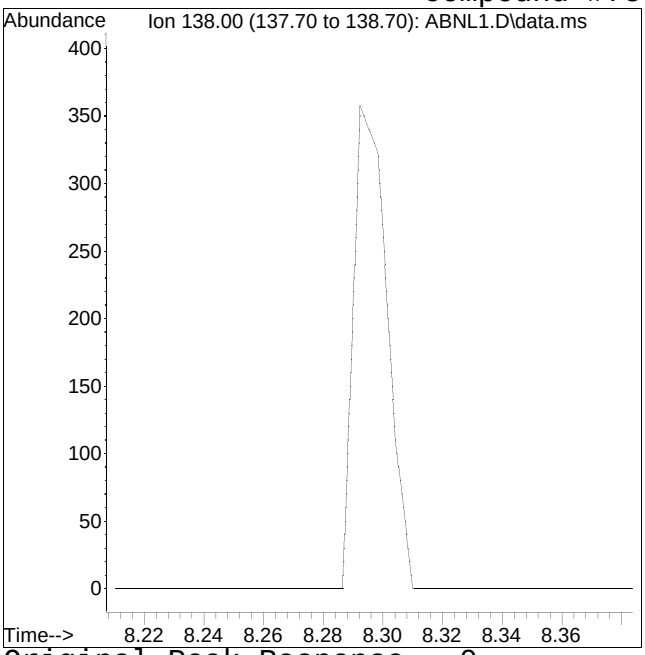
Manual Peak Response = 376 M2

M2 = Peak not found by automatic integration algorithm.

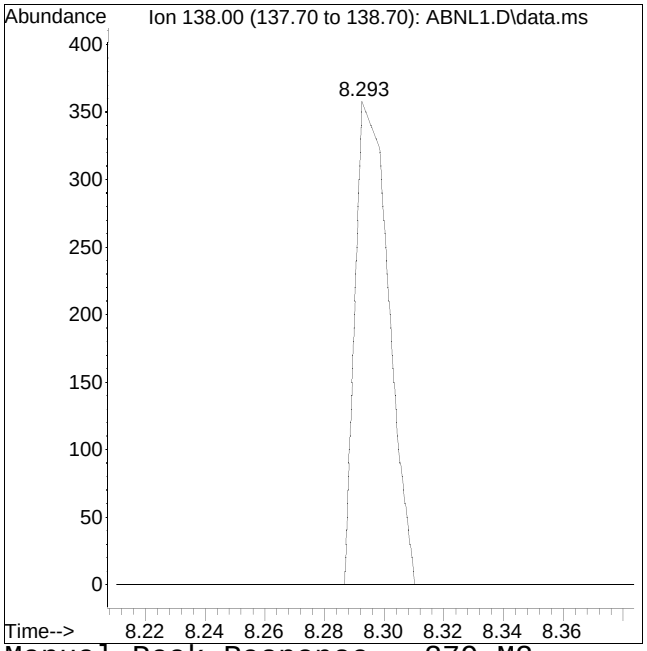
Manual Integration Report

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



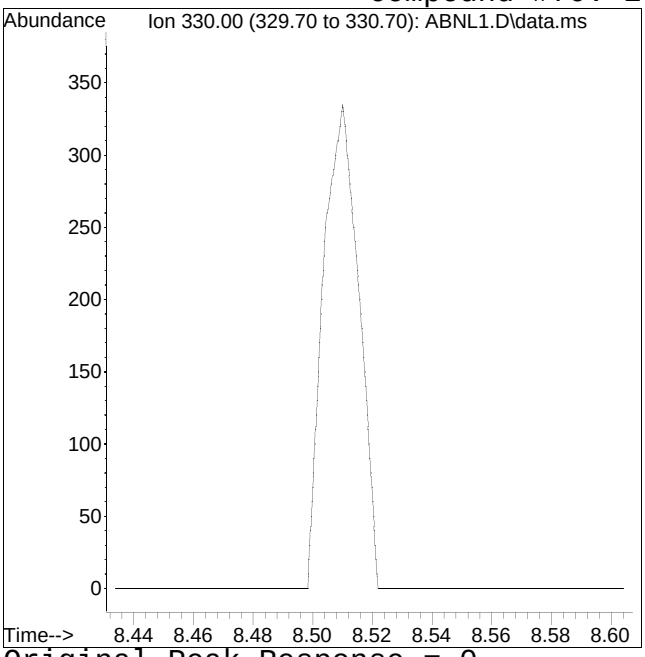
Manual Peak Response = 279 M2

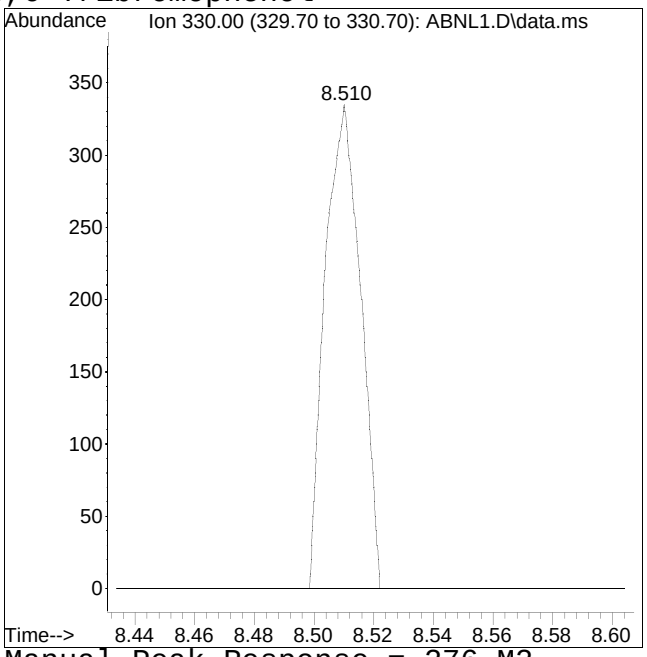
M2 = Peak not found by automatic integration algorithm.

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



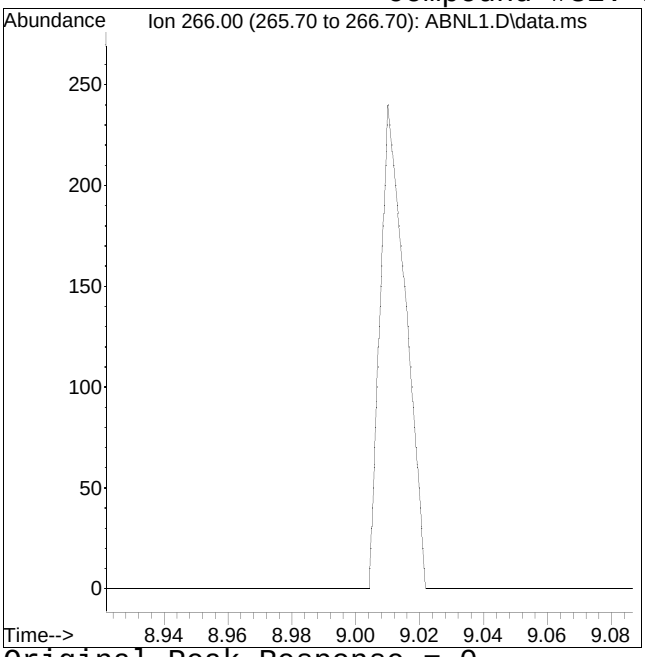


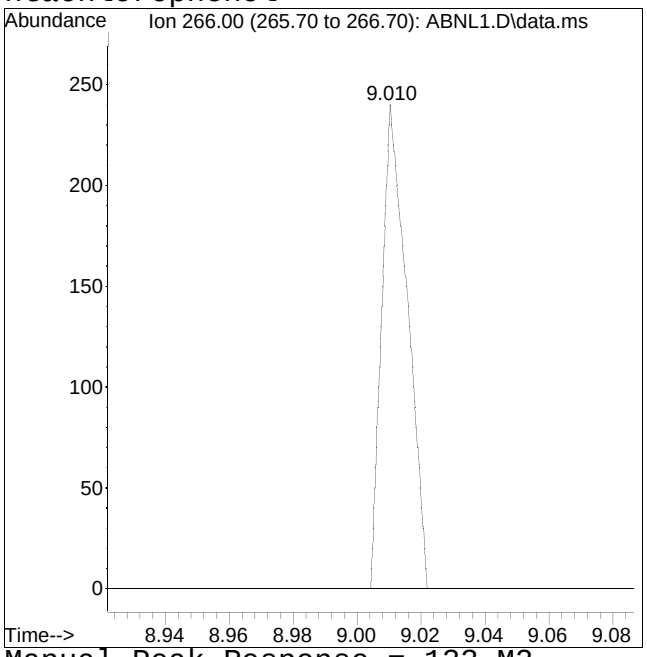
Original Peak Response = 0 Manual Peak Response = 276 M2
M2 = Peak not found by automatic integration algorithm.

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



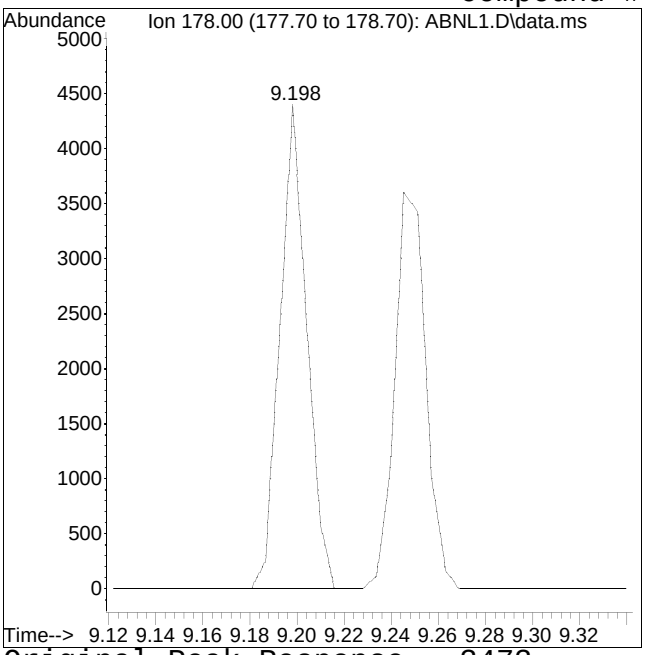


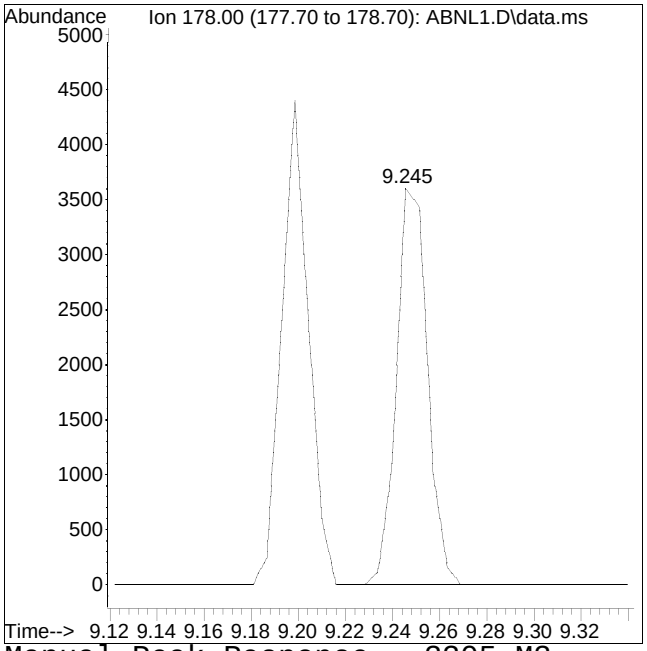
Original Peak Response = 0 Manual Peak Response = 133 M2
M2 = Peak not found by automatic integration algorithm.

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





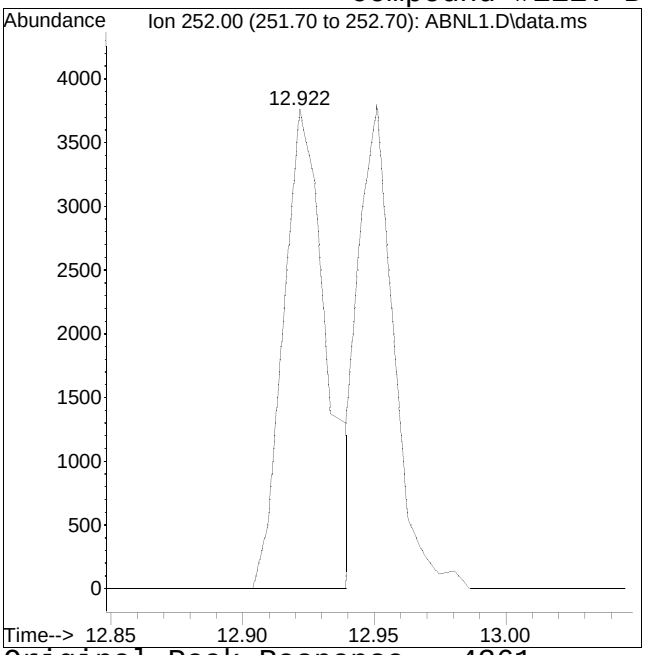
Original Peak Response = 3473 Manual Peak Response = 3305 M3

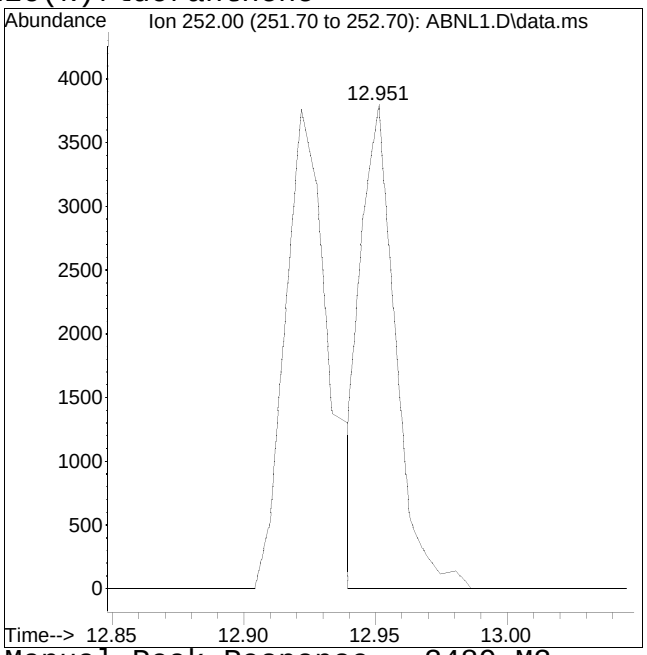
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



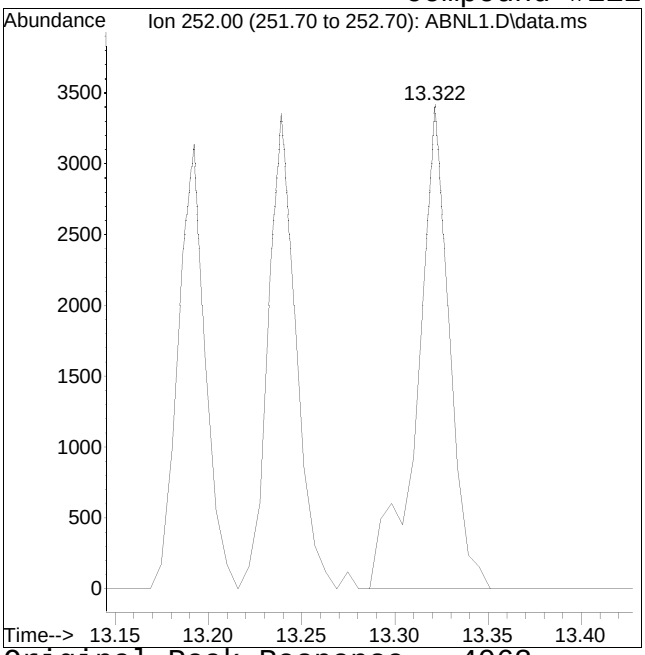


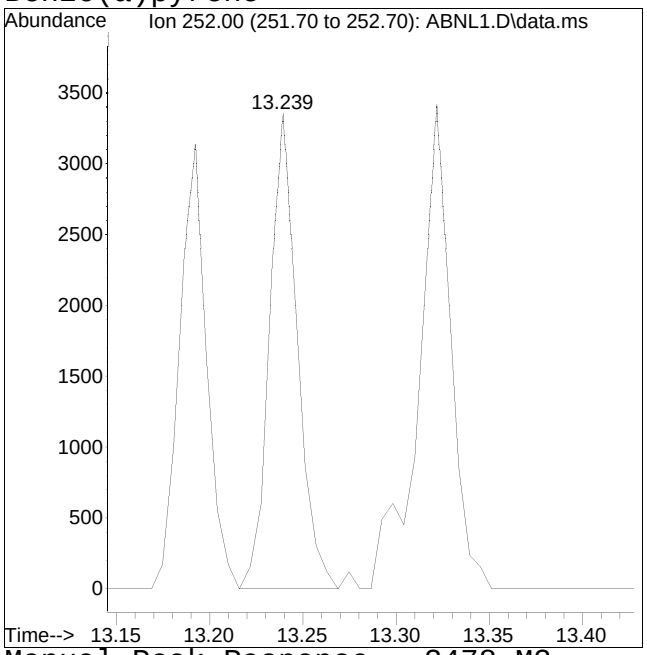
Original Peak Response = 4361 Manual Peak Response = 3489 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



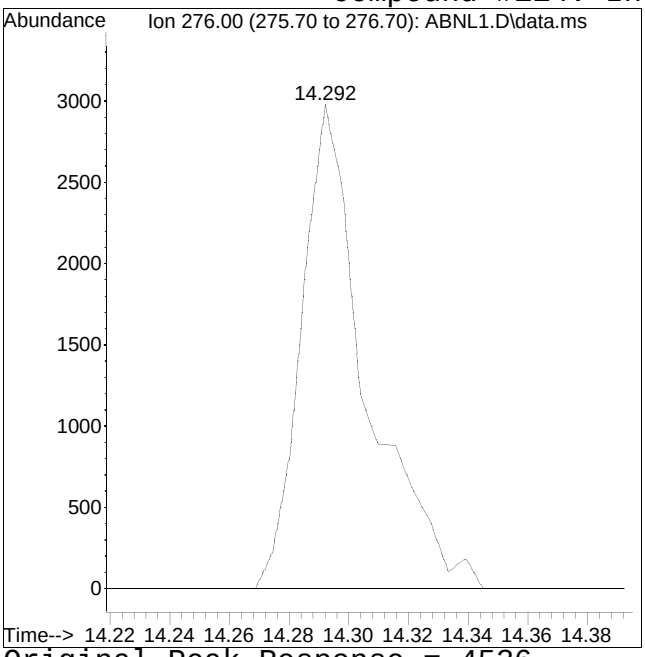


Original Peak Response = 4063 Manual Peak Response = 3478 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

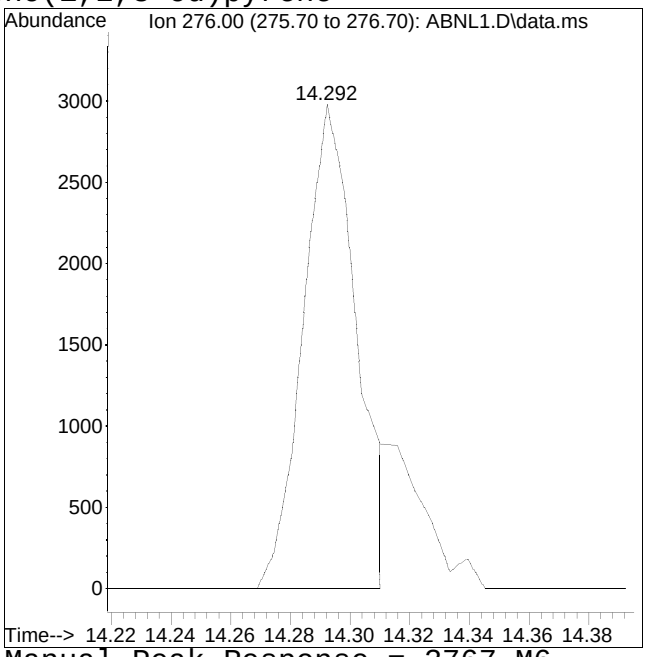
Manual Integration Report

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

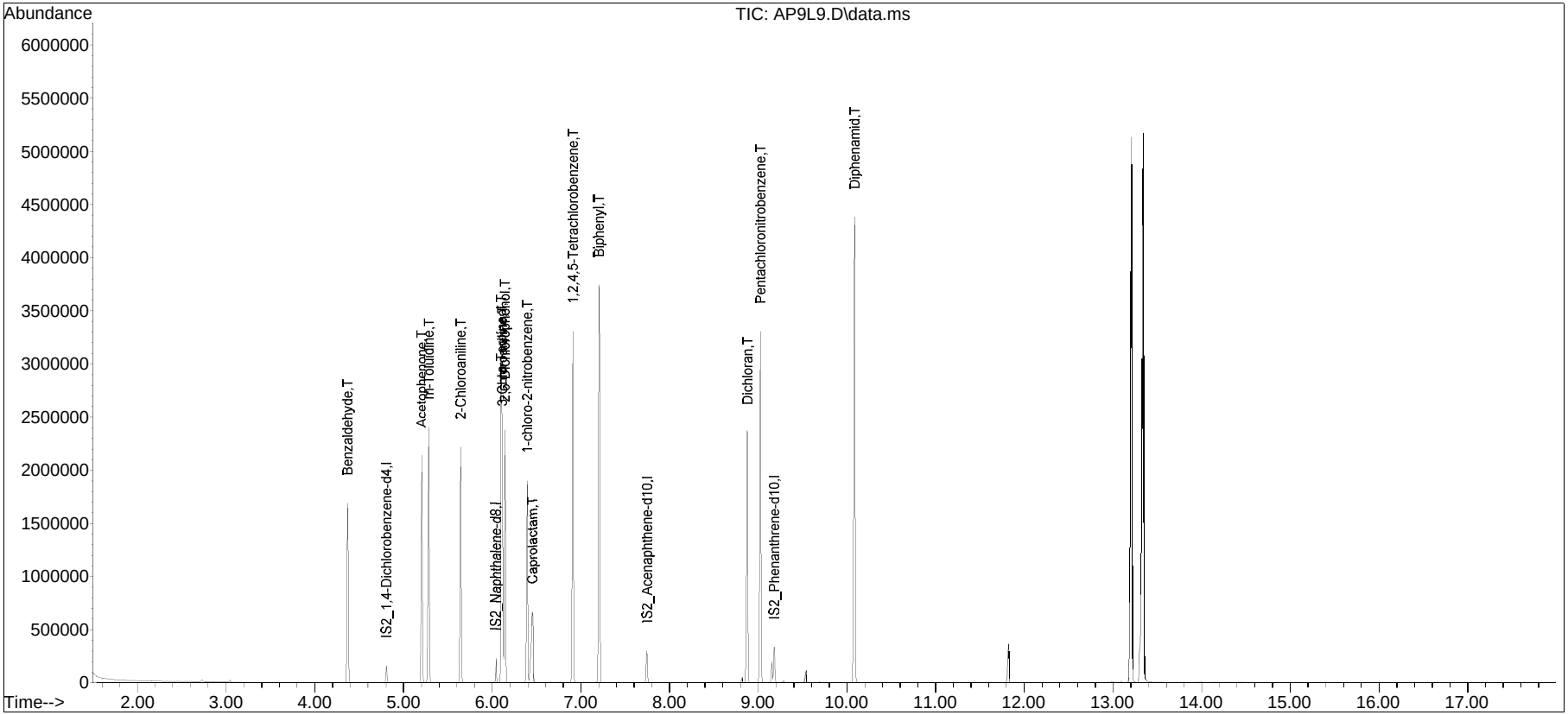
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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•



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

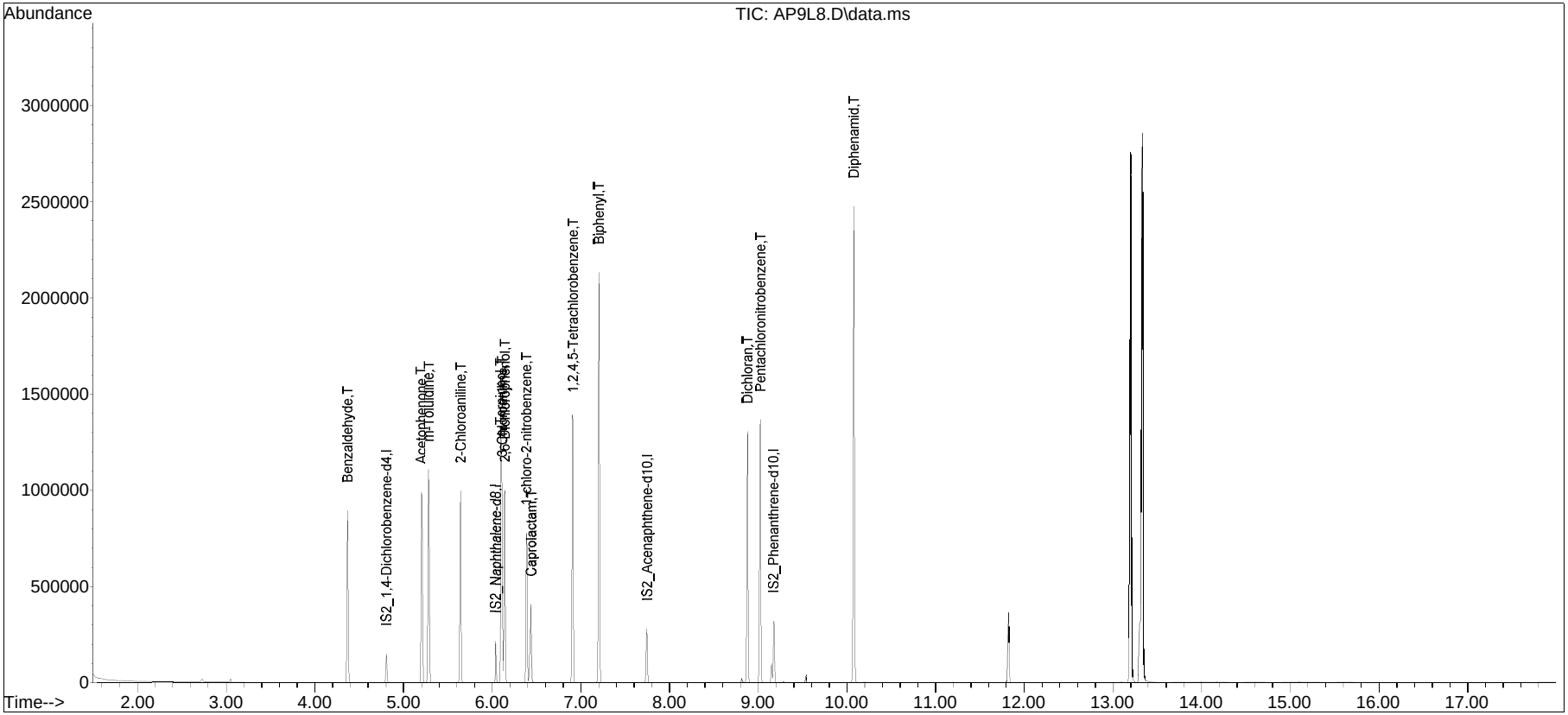
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	22044	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery =	103.85%		
55) IS2_Naphthalene-d8	6.040	136	85892	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery =	104.81%		
83) IS2_Acenaphthene-d10	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

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

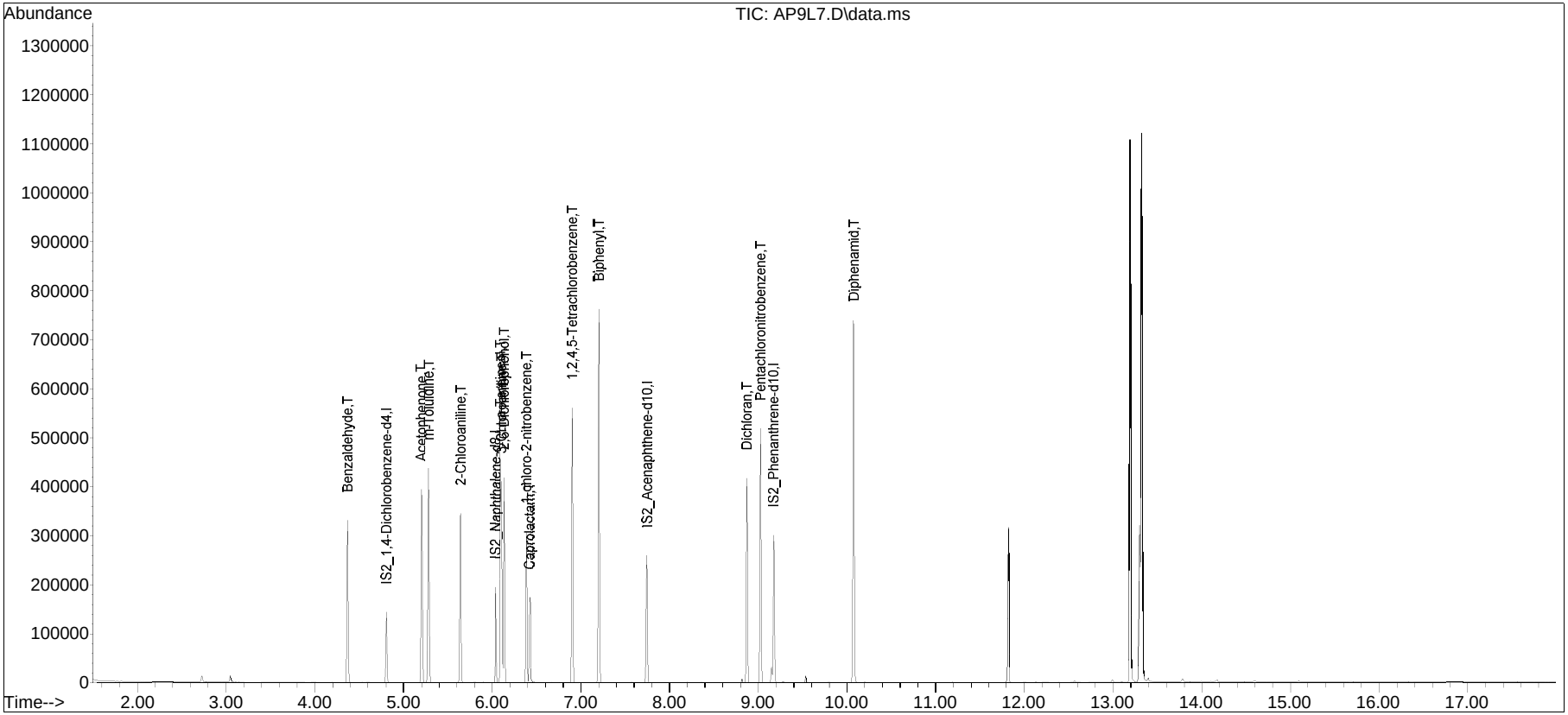
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20726	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 97.64%				
55) IS2_Naphthalene-d8	6.040	136	79494	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 97.00%				
83) IS2_Acenaphthene-d10	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

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

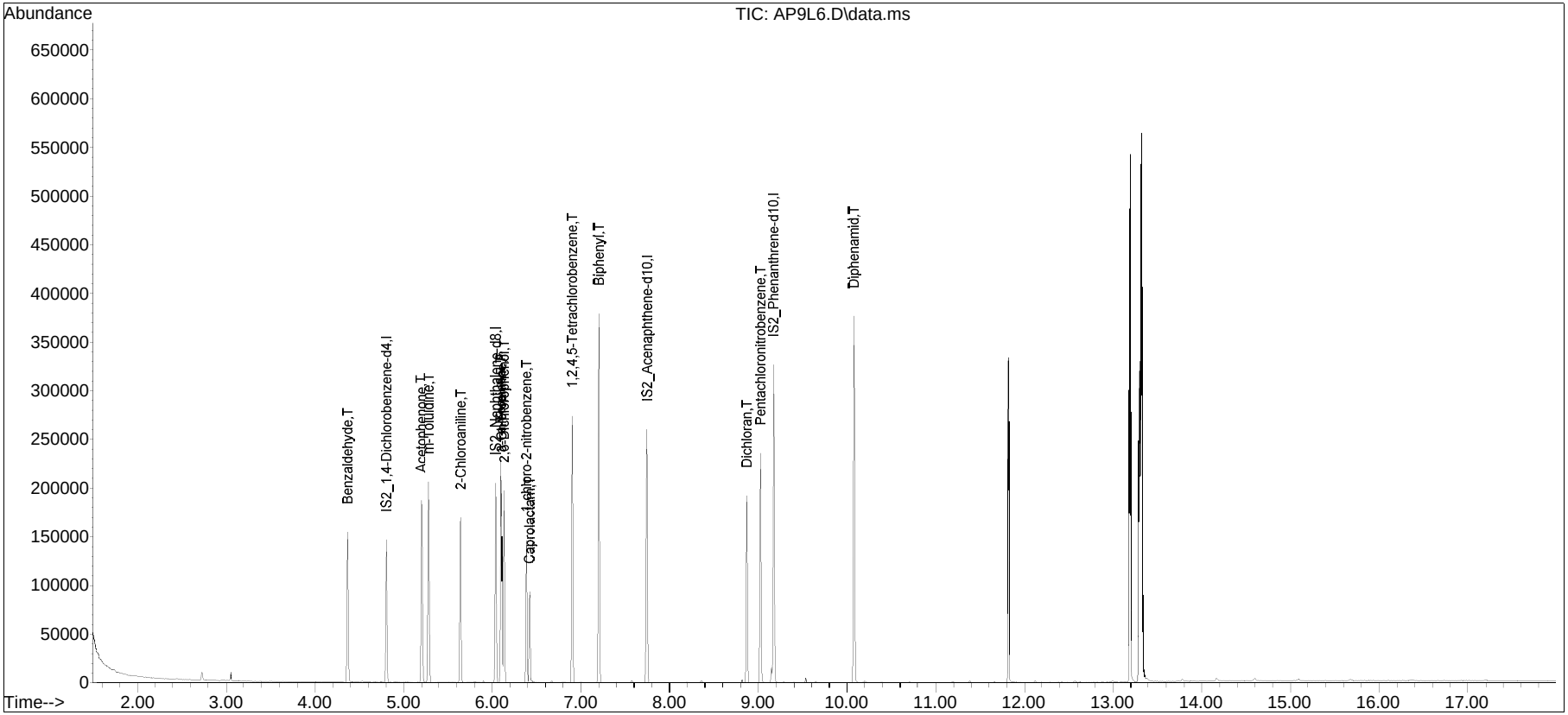
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

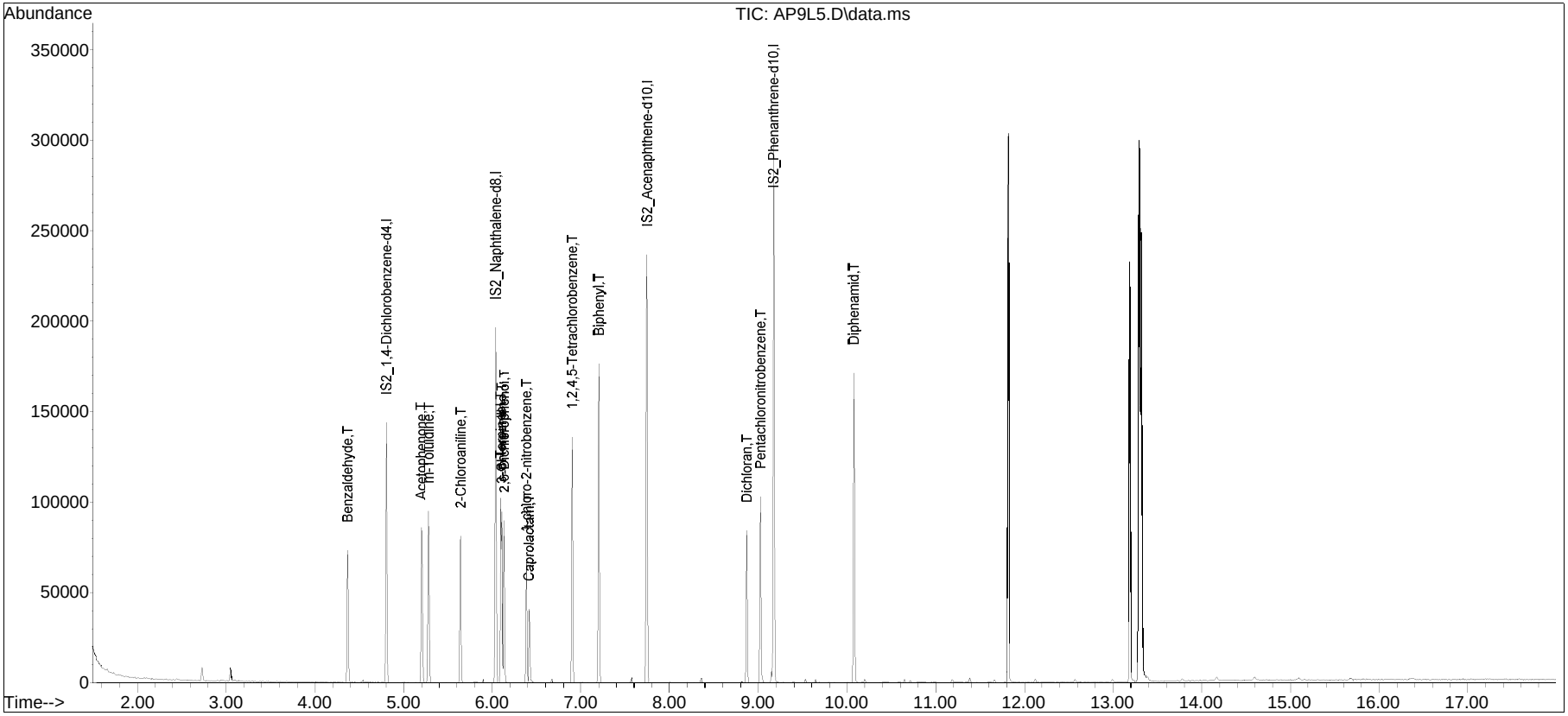
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	20752	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery = 97.77%			
55) IS2_Naphthalene-d8	6.040	136	79357	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery = 96.83%			
83) IS2_Acenaphthene-d10	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

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

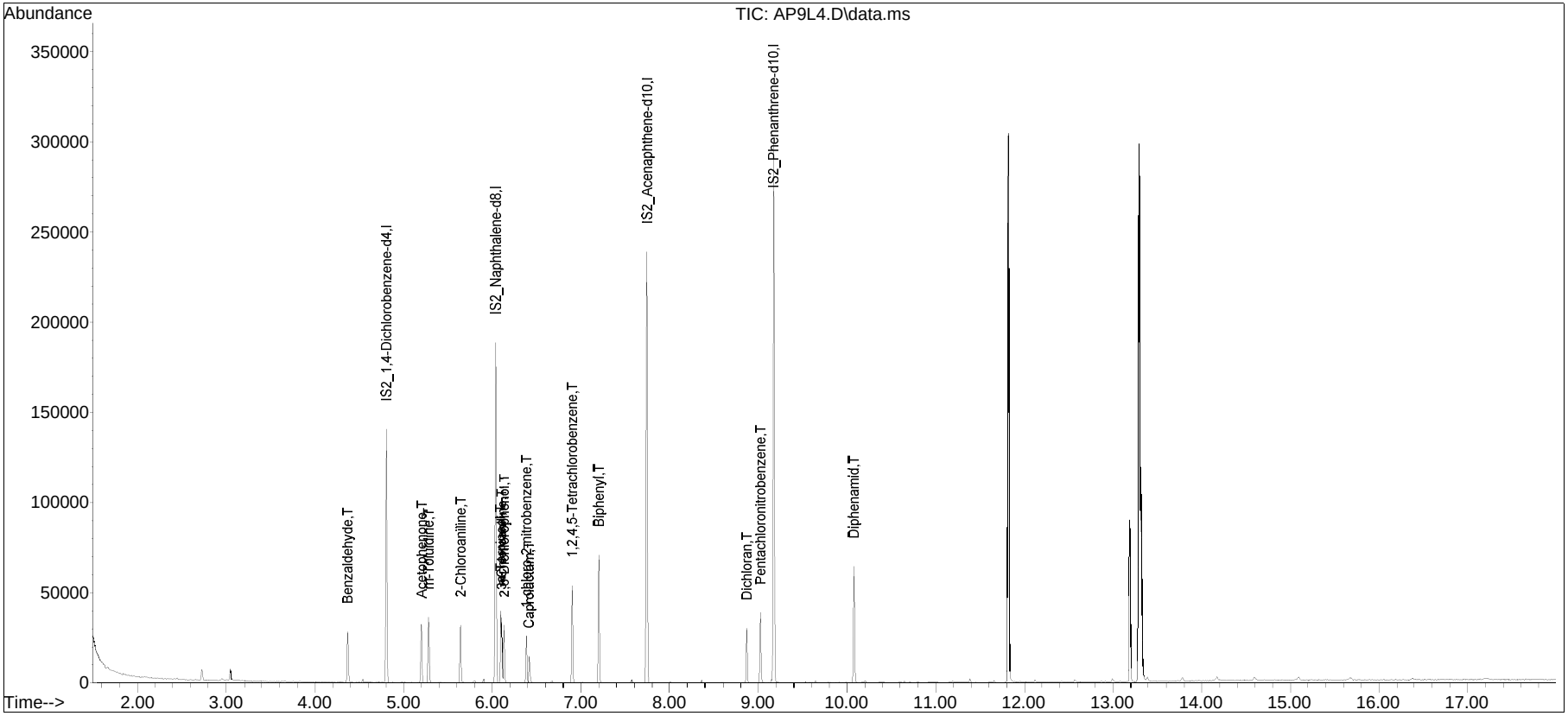
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	20723	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery = 97.63%			
55) IS2_Naphthalene-d8	6.040	136	76626	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery = 93.50%			
83) IS2_Acenaphthene-d10	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

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

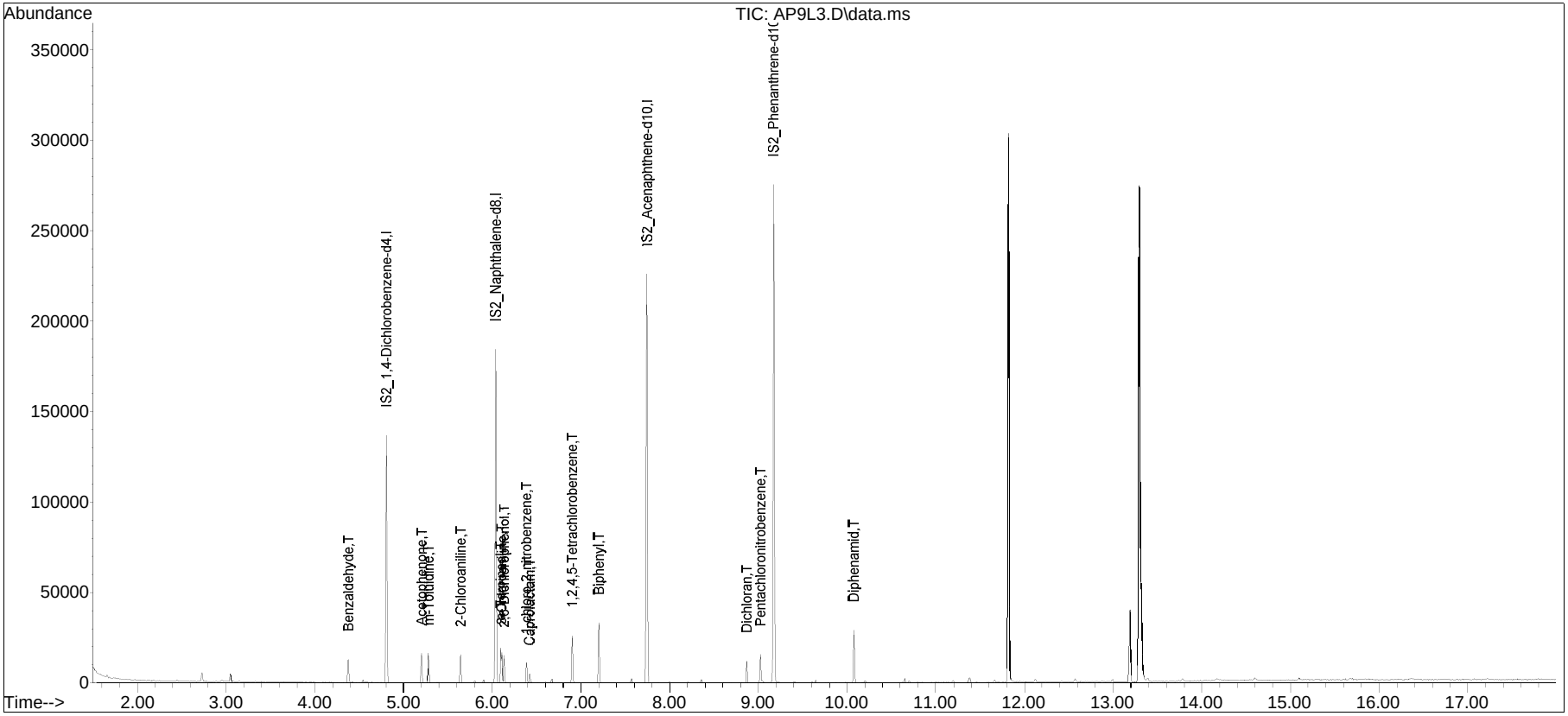
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20138	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 94.87%				
55) IS2_Naphthalene-d8	6.040	136	74008	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 90.31%				
83) IS2_Acenaphthene-d10	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

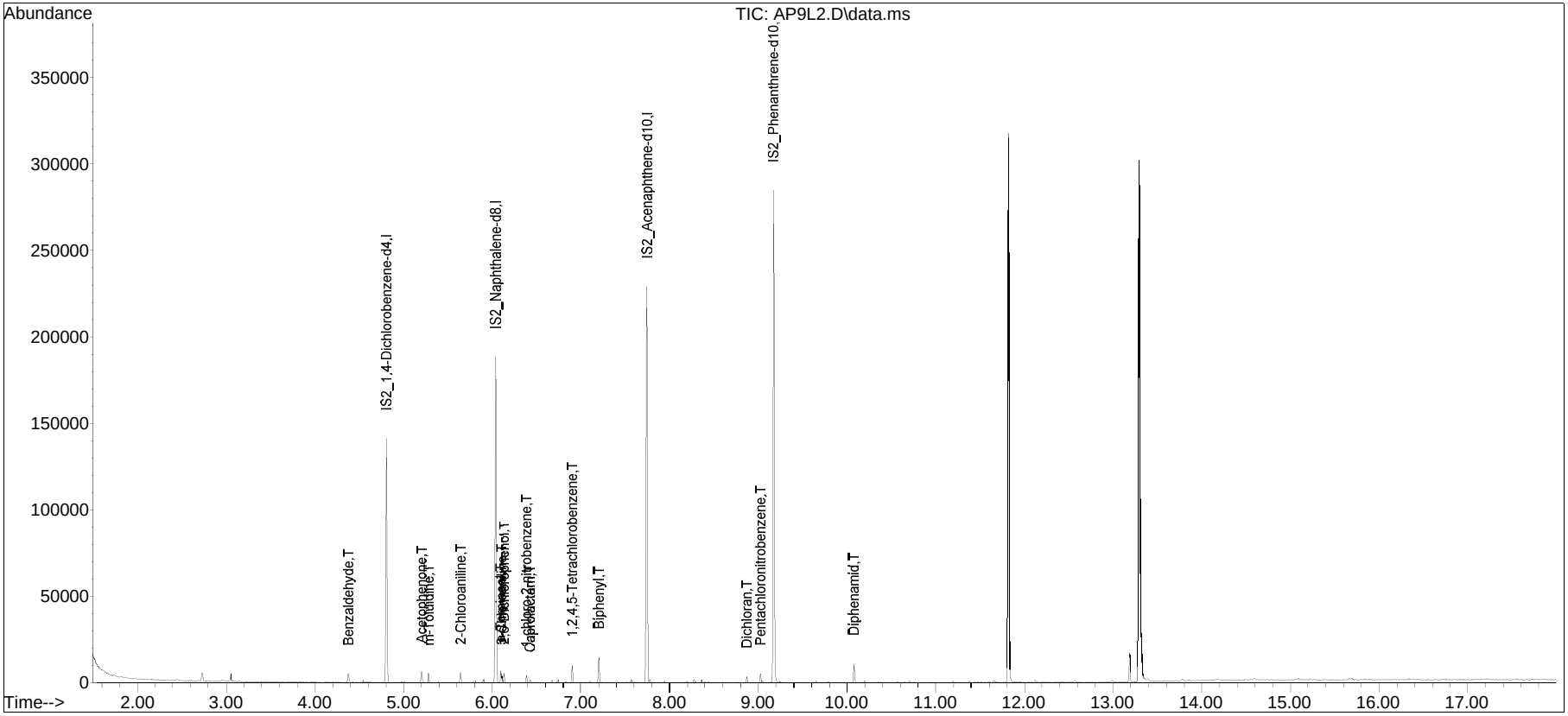
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

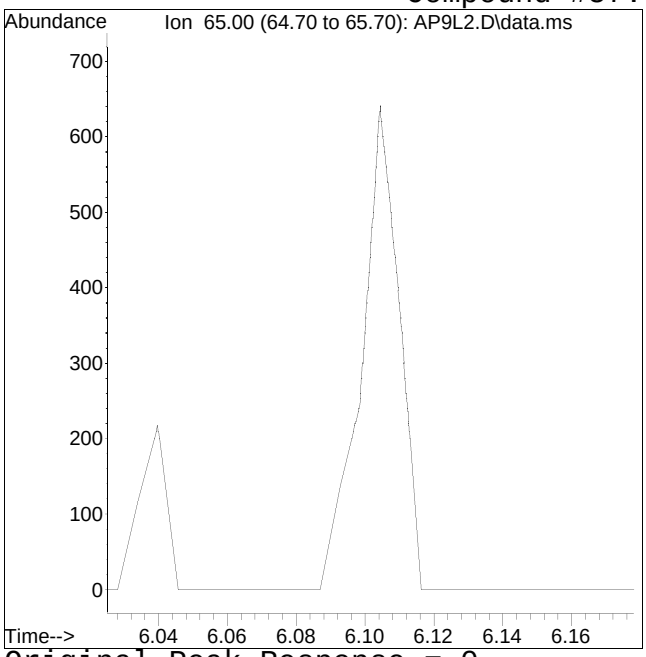
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



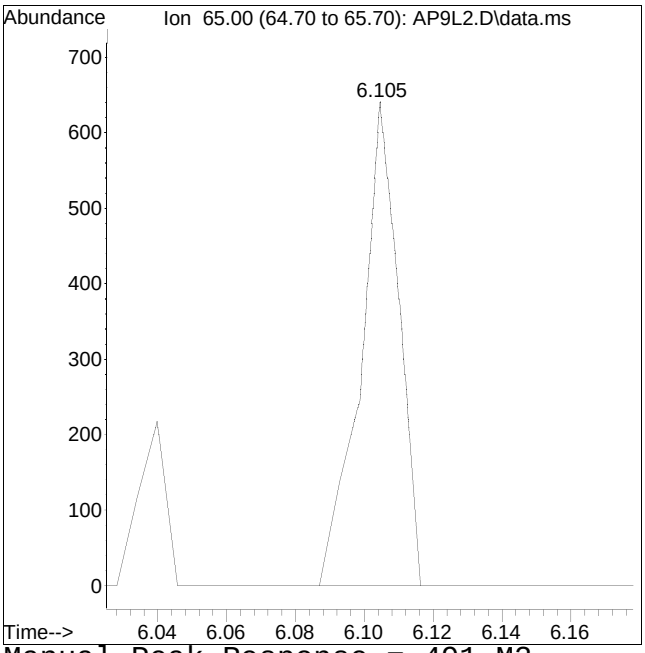
Manual Integration Report

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



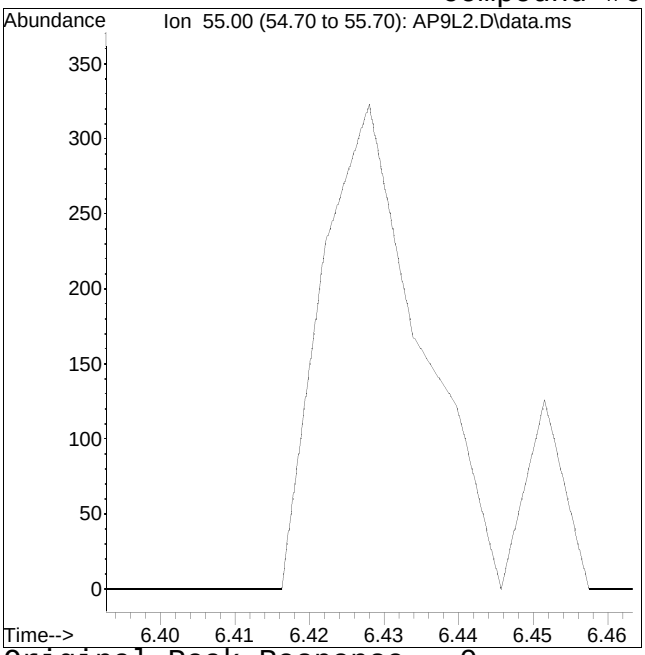
Manual Peak Response = 491 M2

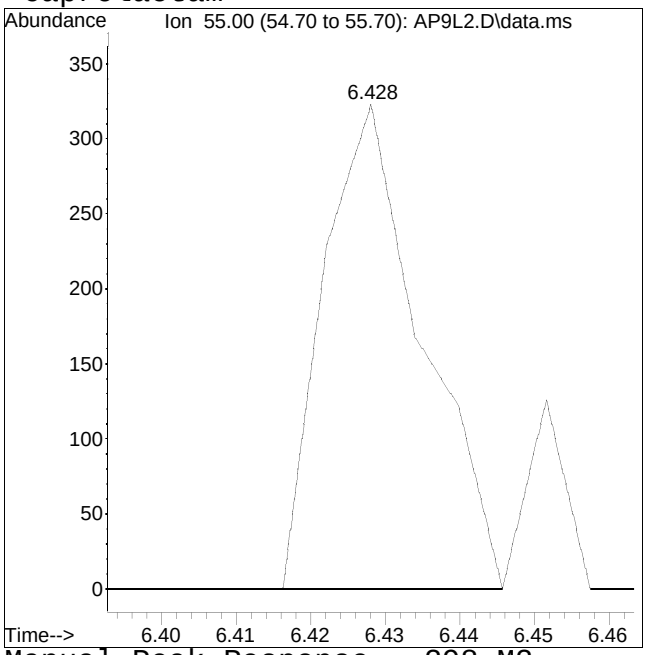
M2 = Peak not found by automatic integration algorithm.

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



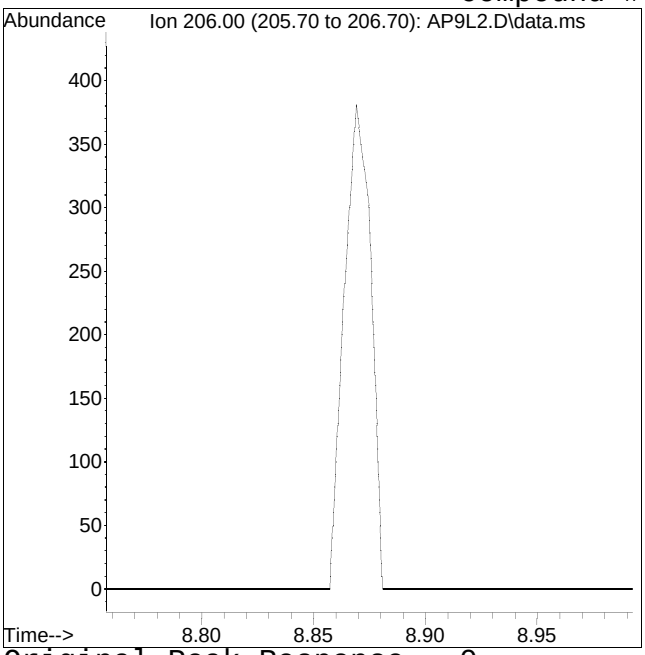


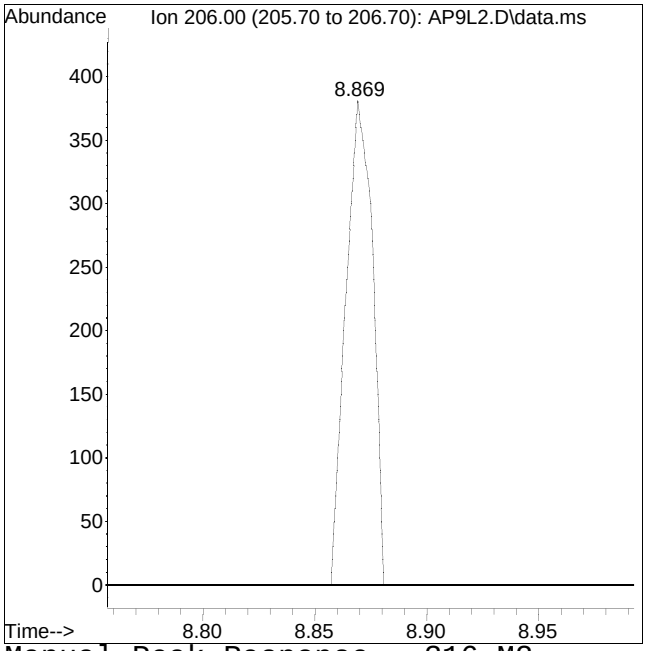
Original Peak Response = 0 Manual Peak Response = 298 M2
M2 = Peak not found by automatic integration algorithm.

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



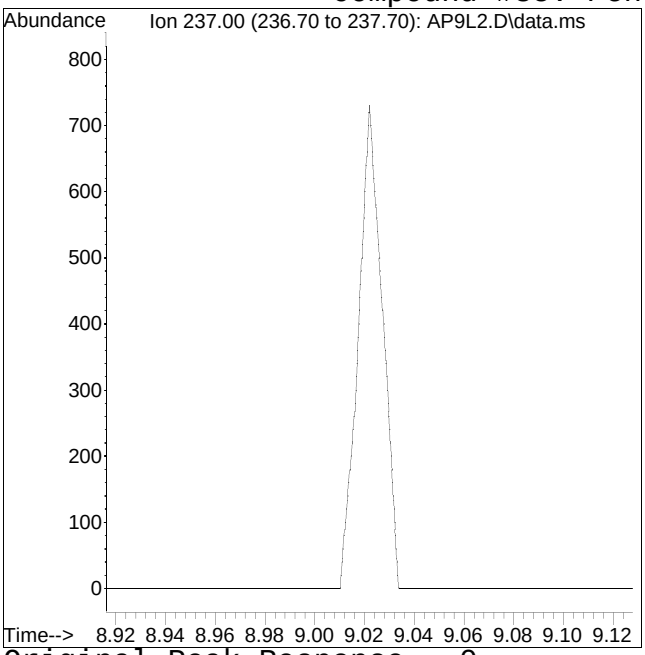


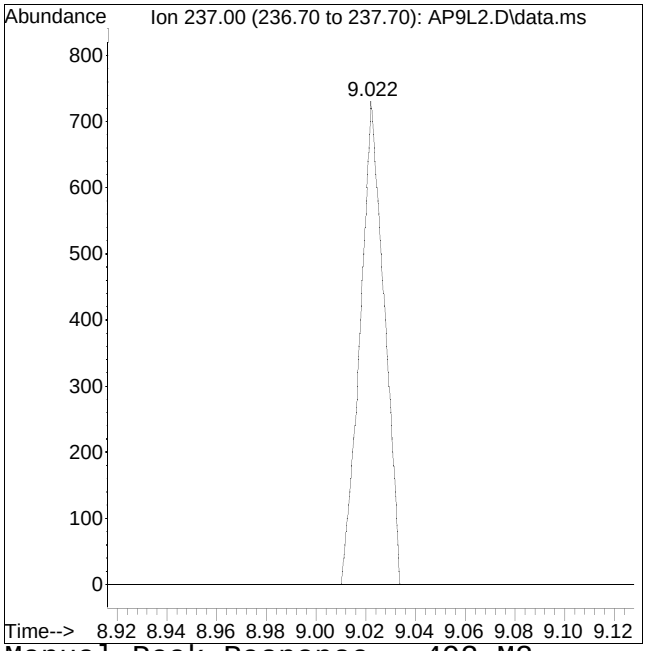
Original Peak Response = 0 Manual Peak Response = 316 M2
M2 = Peak not found by automatic integration algorithm.

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

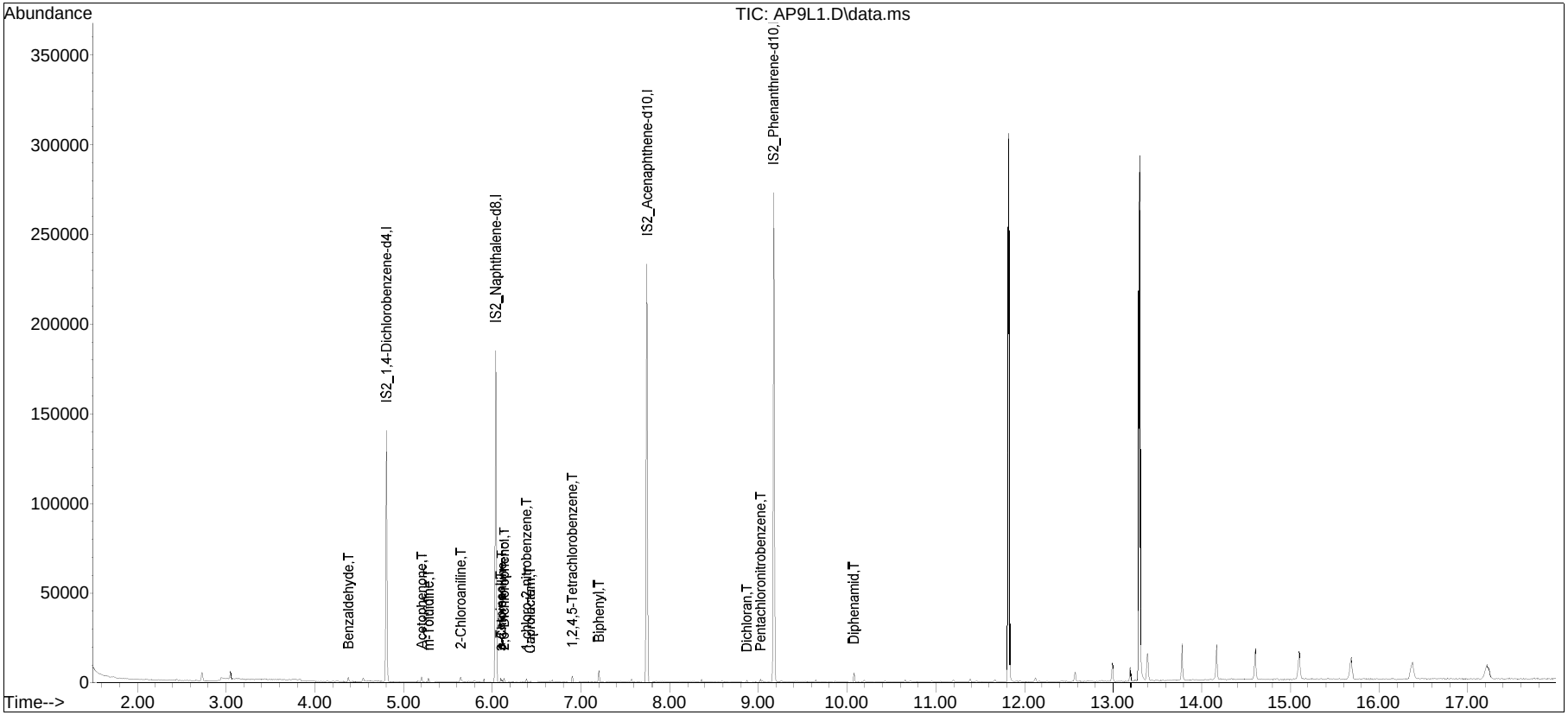
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	19956	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 94.02%				
55) IS2_Naphthalene-d8	6.040	136	73801	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 90.05%				
83) IS2_Acenaphthene-d10	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

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

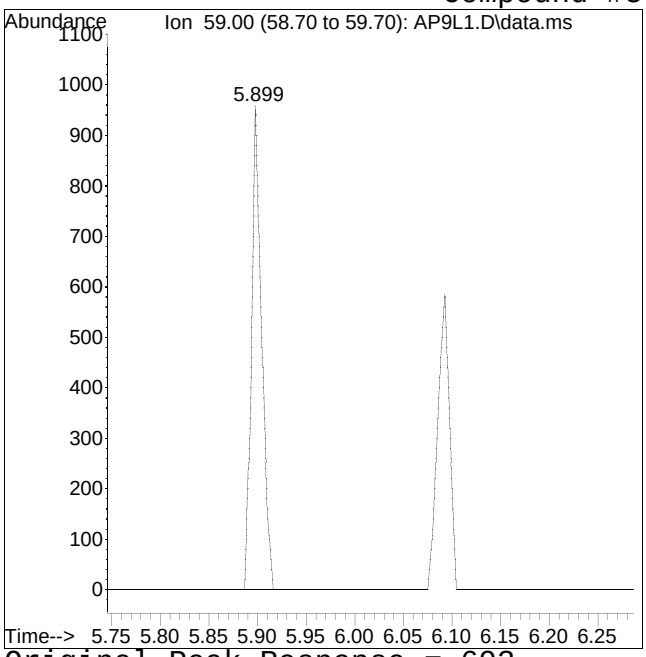
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

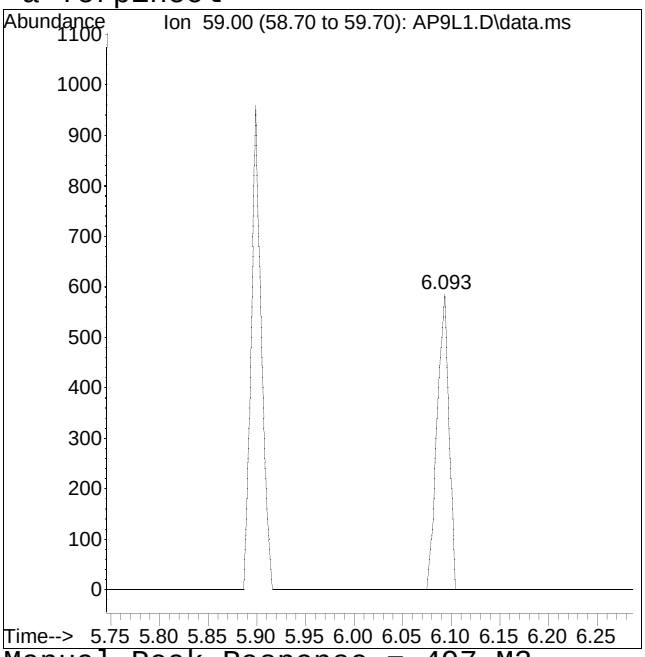


Manual Integration Report

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





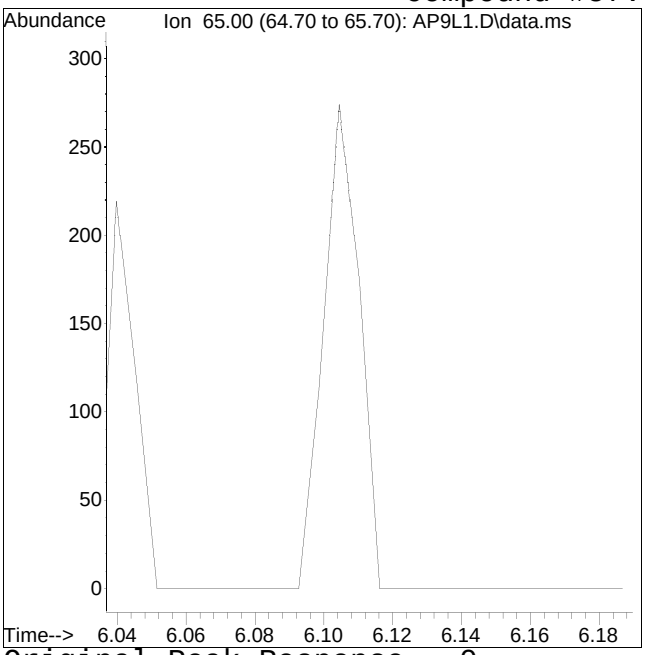
Original Peak Response = 693 Manual Peak Response = 497 M3

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.

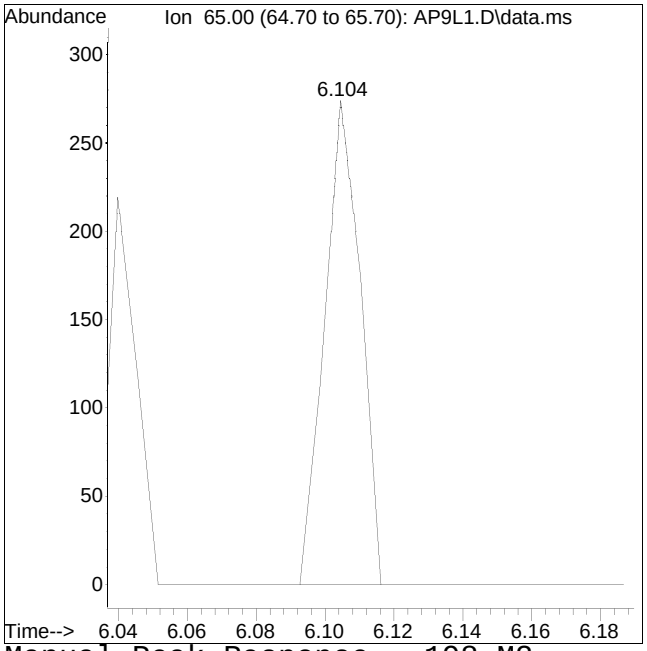
Manual Integration Report

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



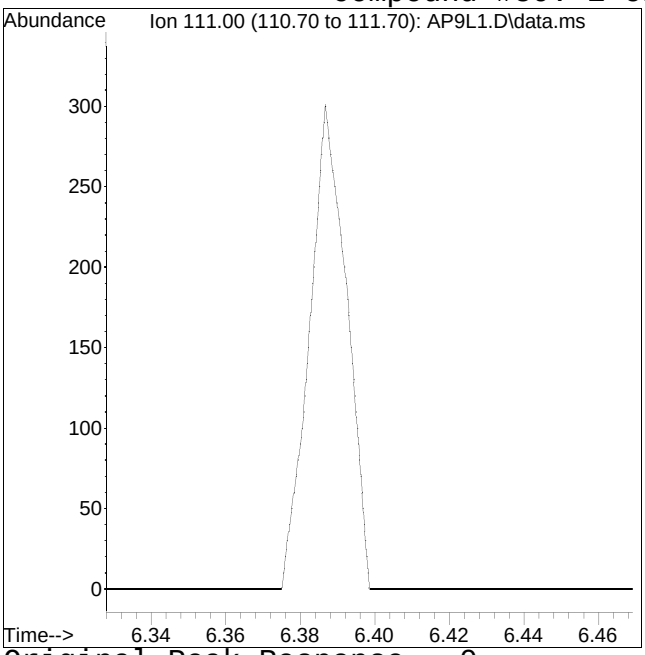
Manual Peak Response = 198 M2

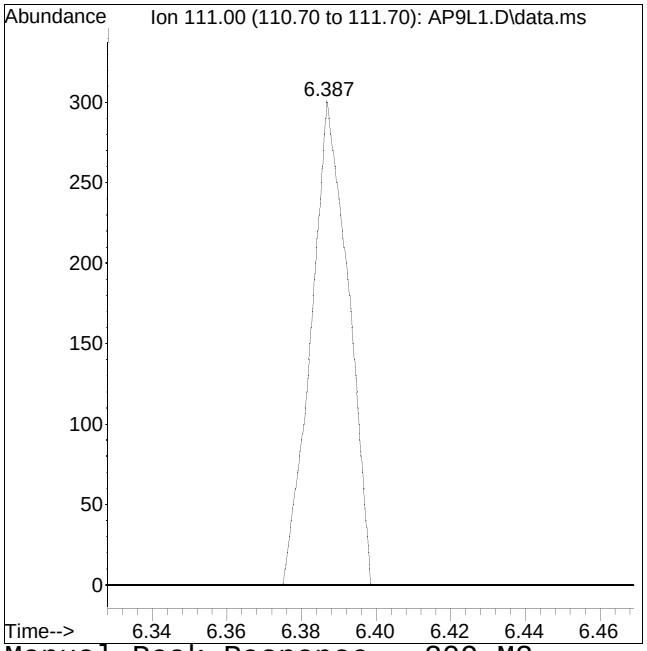
M2 = Peak not found by automatic integration algorithm.

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



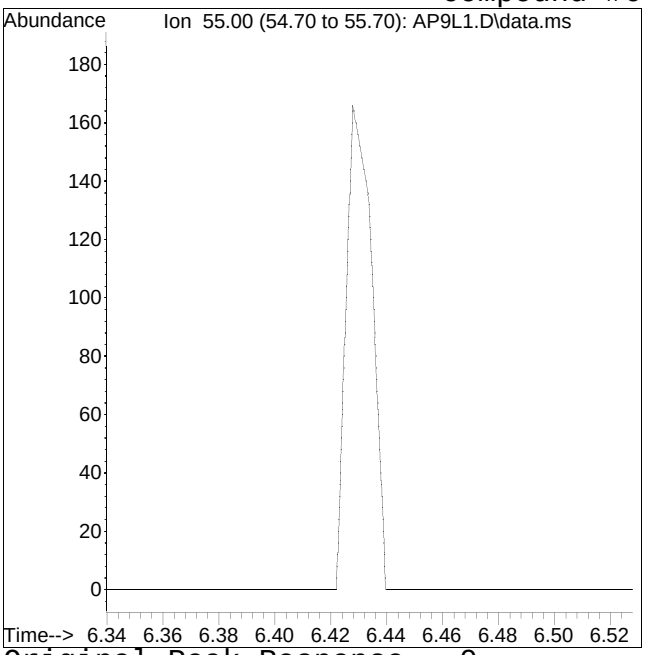


Original Peak Response = 0 Manual Peak Response = 209 M2
M2 = Peak not found by automatic integration algorithm.

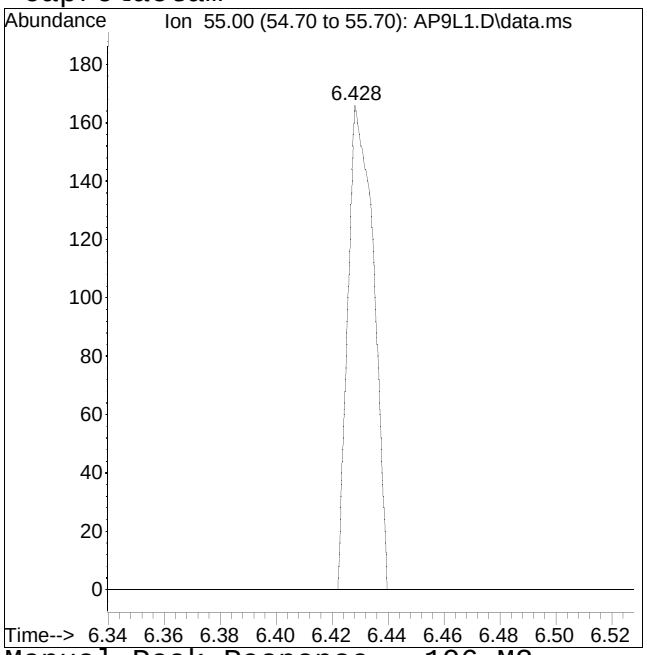
Manual Integration Report

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



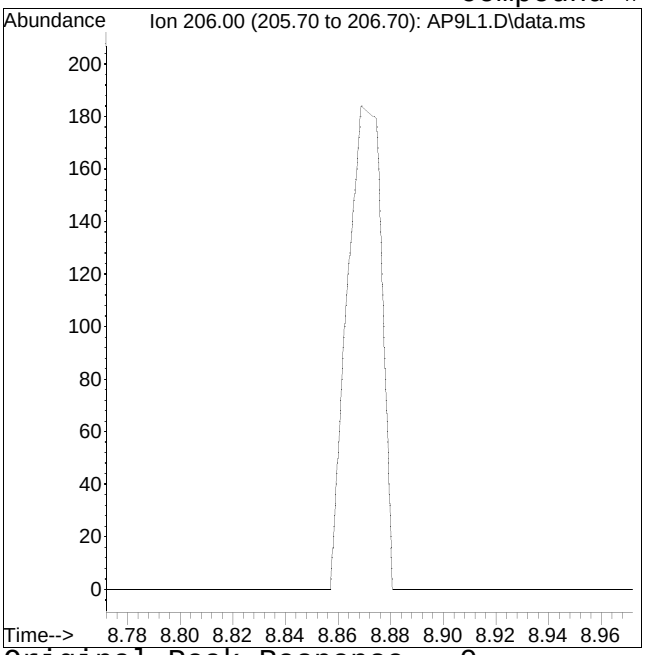
Manual Peak Response = 106 M2

M2 = Peak not found by automatic integration algorithm.

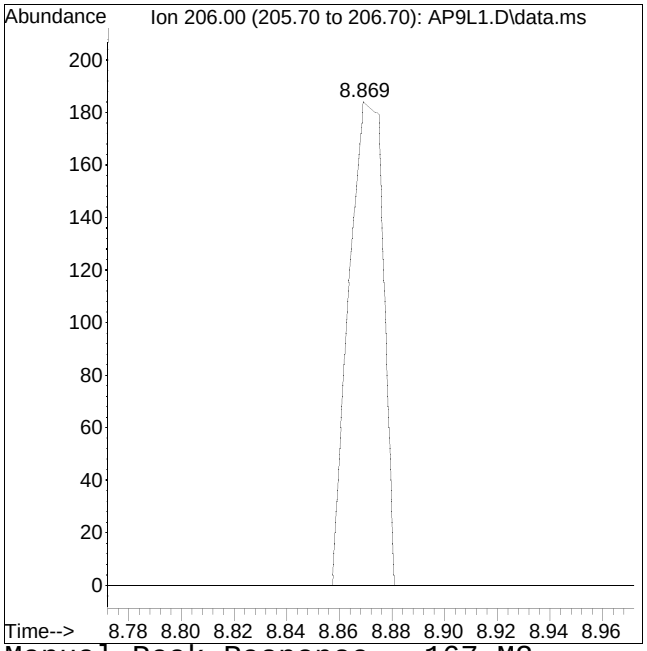
Manual Integration Report

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



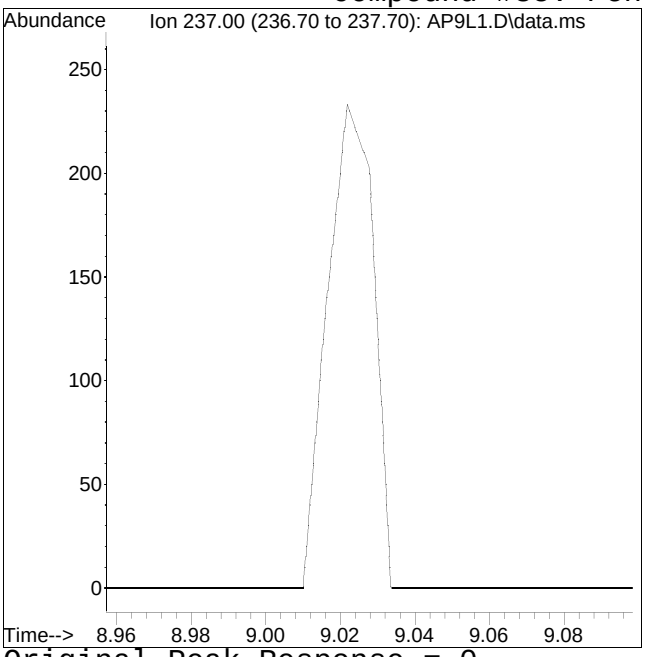
Manual Peak Response = 167 M2

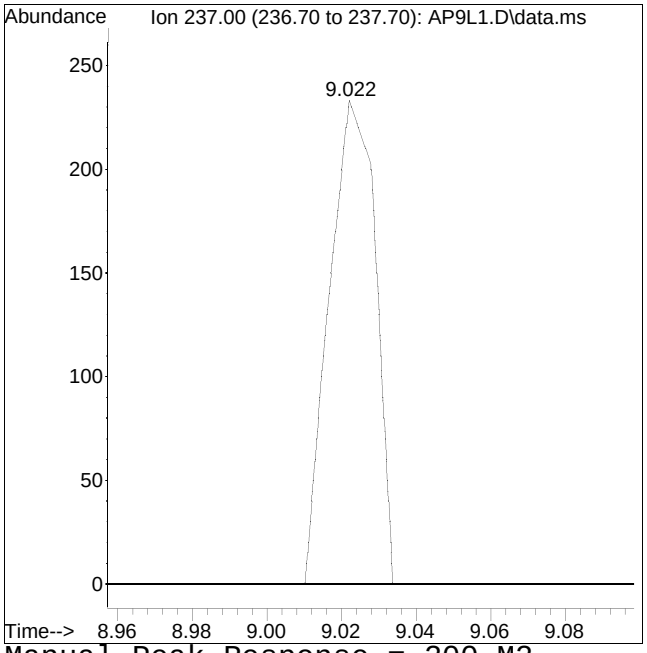
M2 = Peak not found by automatic integration algorithm.

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

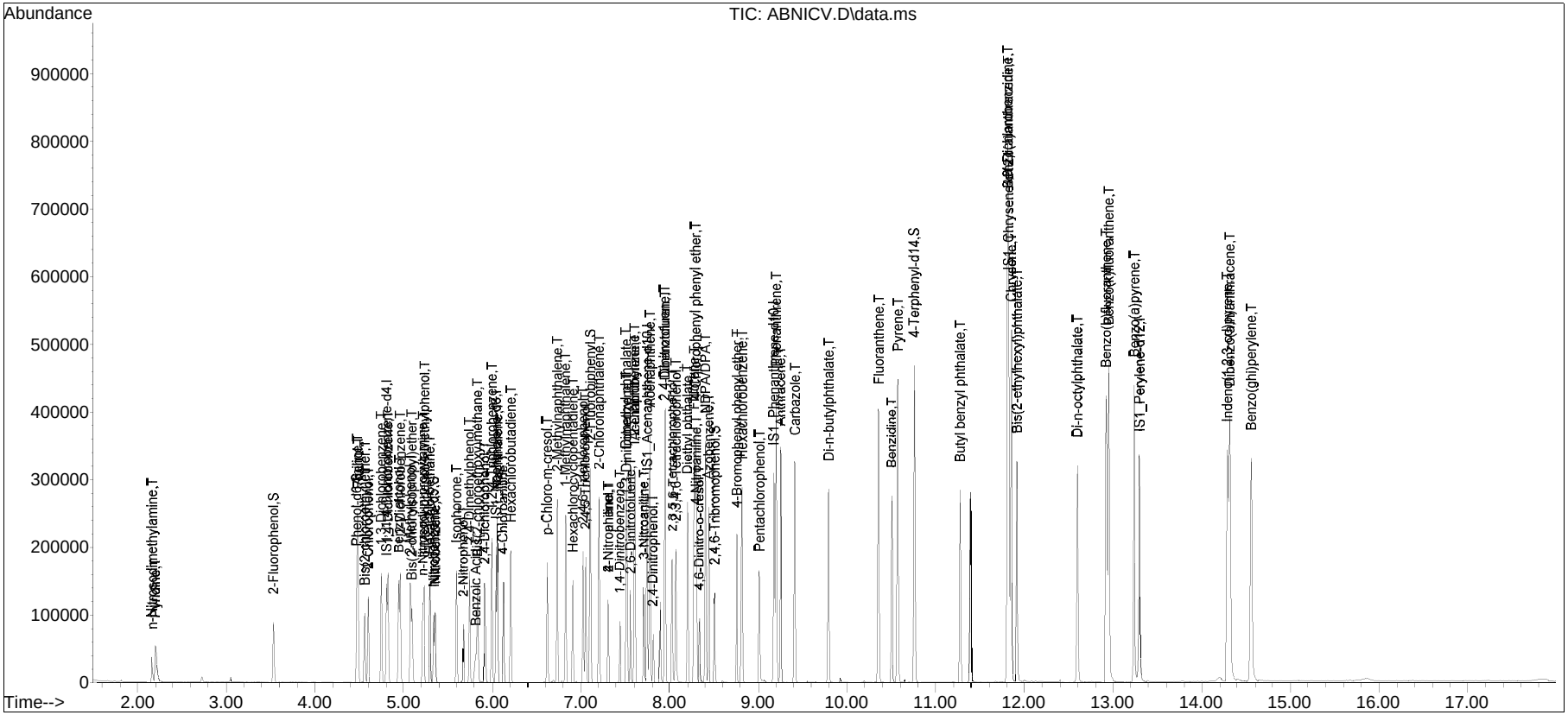
(#) = qualifier out of range (m) = manual integration (+) = signals summed

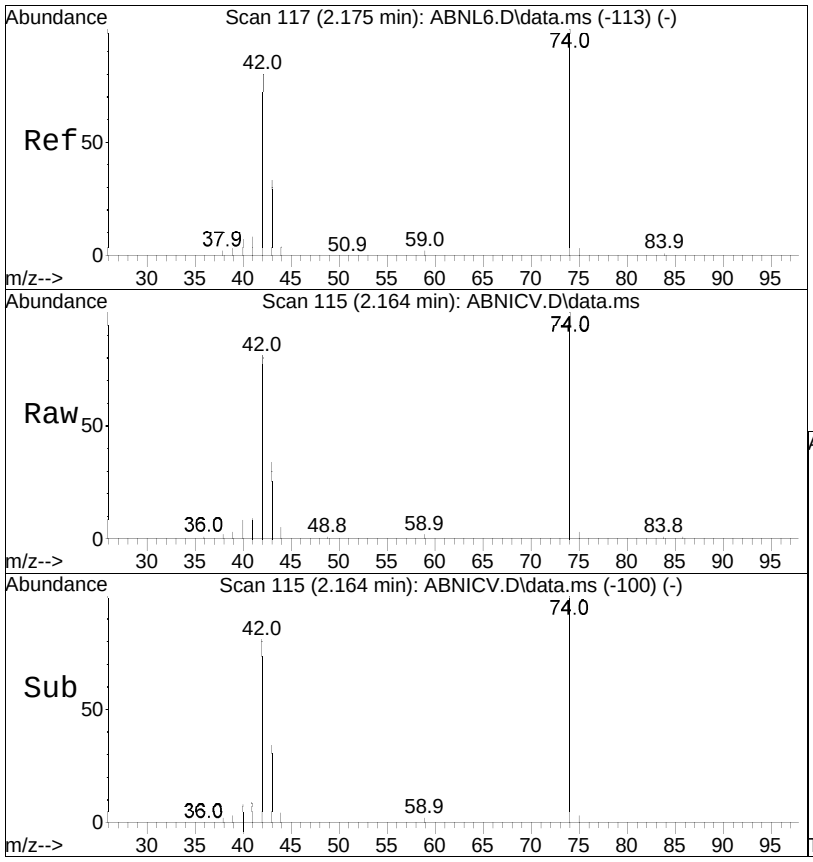
Quantitation Report (QT Reviewed)

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
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

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

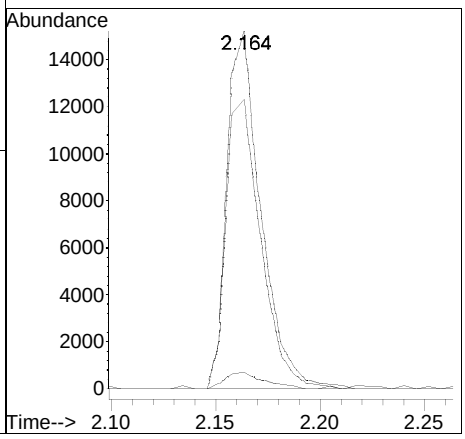


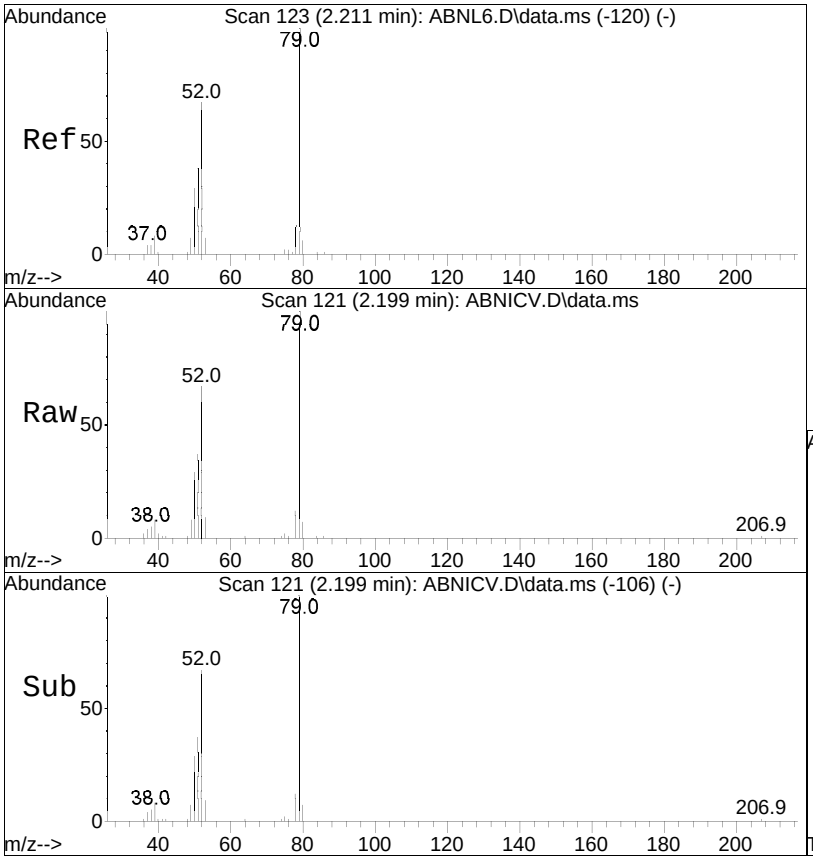


#2
n-Nitrosodimethylamine
Concen: 5.03 ug/ml
RT: 2.164 min Scan# 115
Delta R.T. -0.011 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

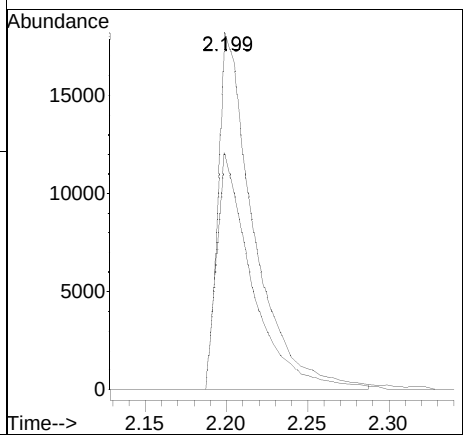


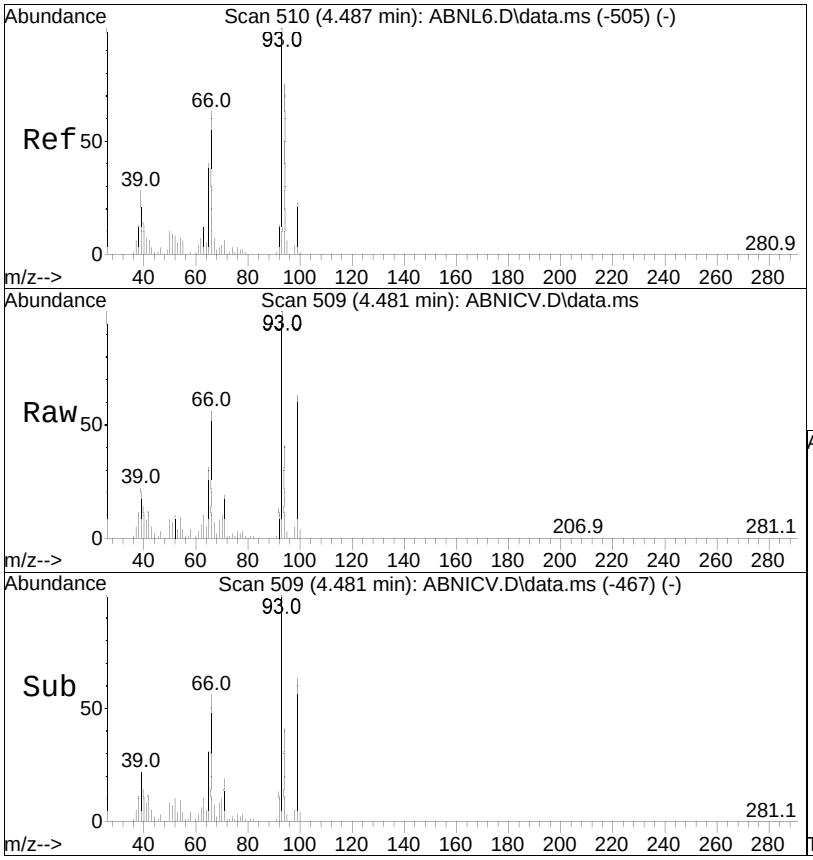


#3
Pyridine
Concen: 5.17 ug/ml
RT: 2.199 min Scan# 121
Delta R.T. -0.012 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 79 Resp: 27737

Ion	Ratio	Lower	Upper
79	100		
52	66.5	64.6	96.8

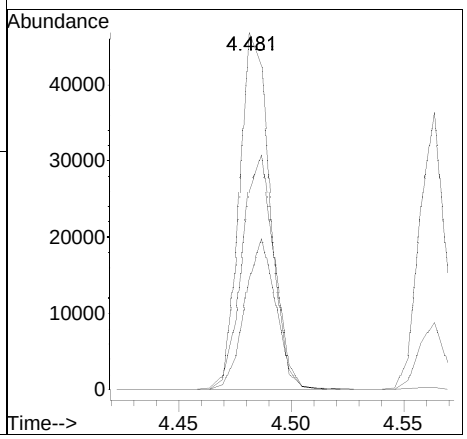


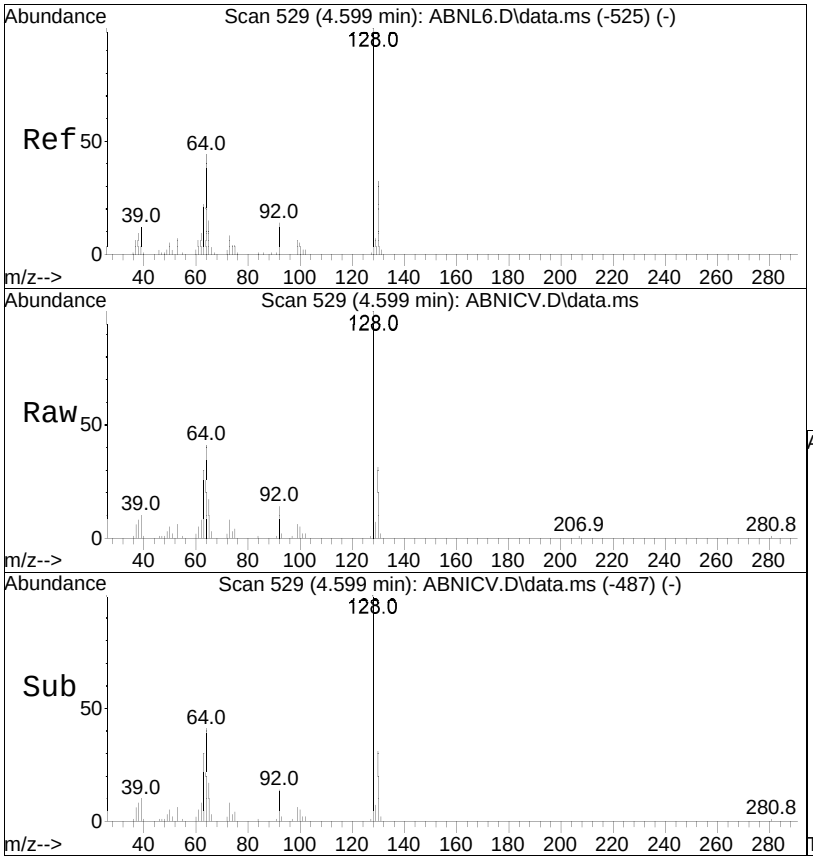


#5
Aniline
Concen: 4.71 ug/ml
RT: 4.481 min Scan# 509
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

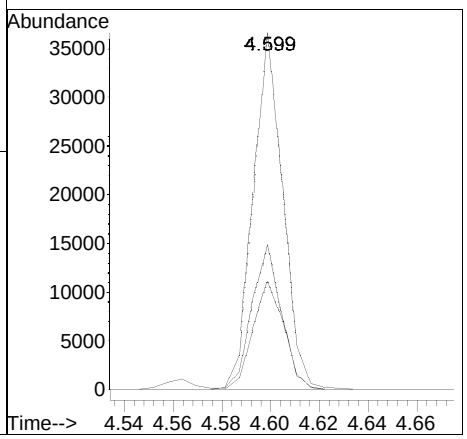


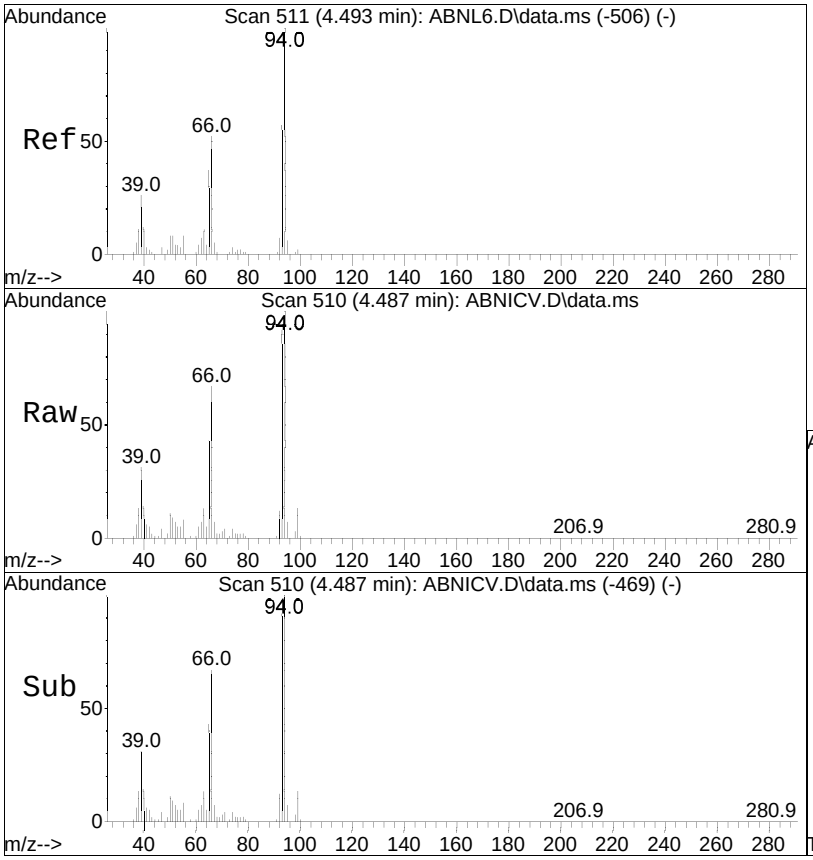


#6
2-Chlorophenol
Concen: 4.77 ug/ml
RT: 4.599 min Scan# 529
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

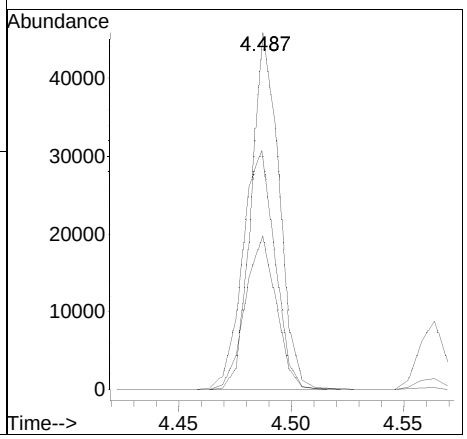


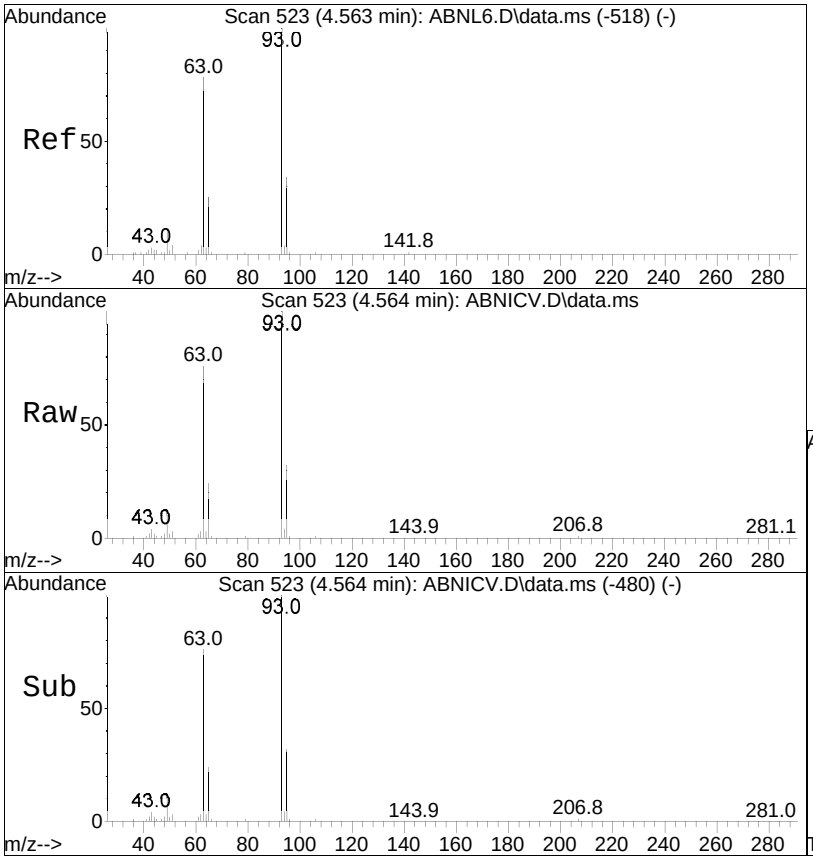


#8
Phenol
Concen: 4.86 ug/ml
RT: 4.487 min Scan# 510
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

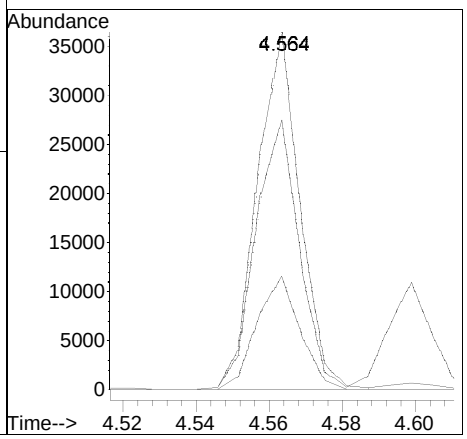


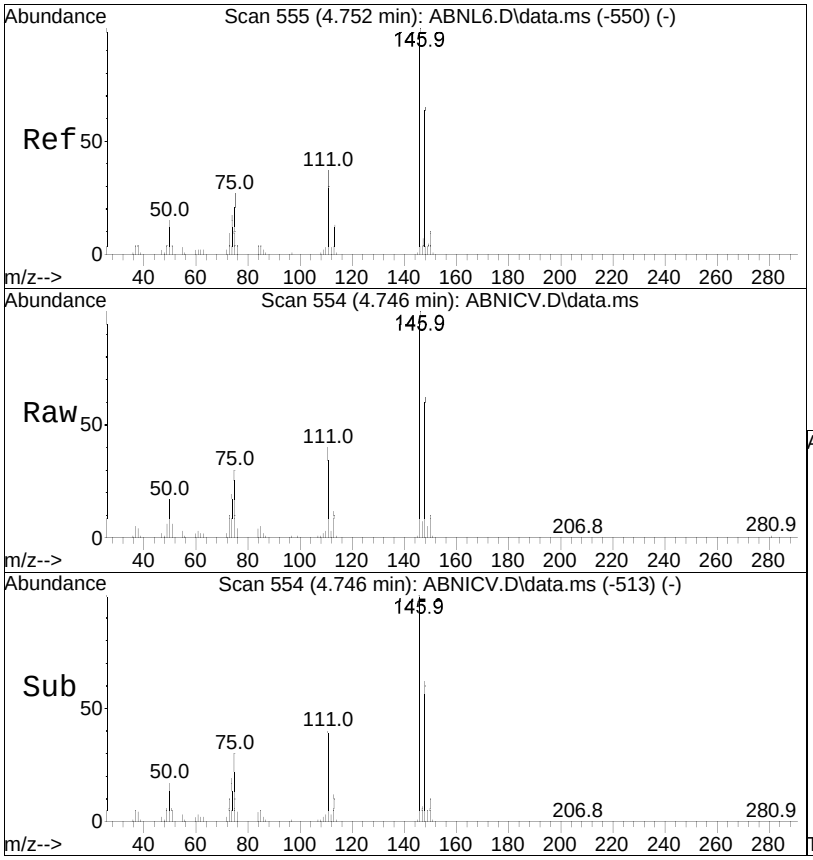


#9
Bis(2-chloroethyl)ether
Concen: 4.89 ug/ml
RT: 4.564 min Scan# 523
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

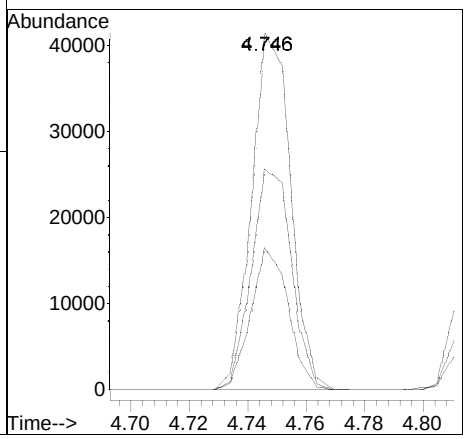


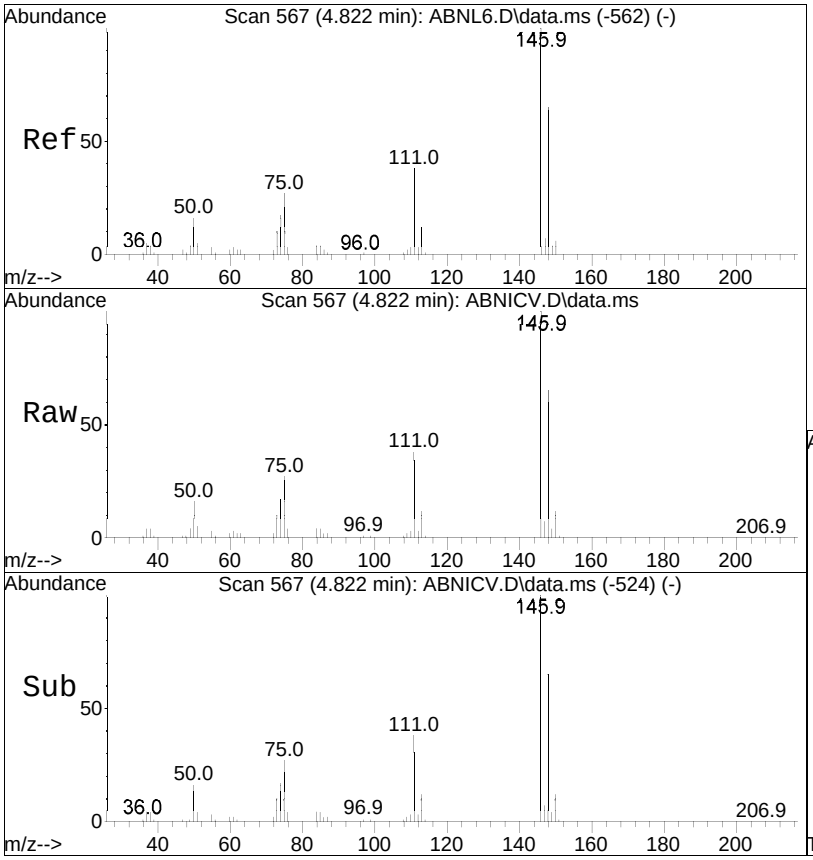


#10
1,3-Dichlorobenzene
Concen: 4.91 ug/ml
RT: 4.746 min Scan# 554
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

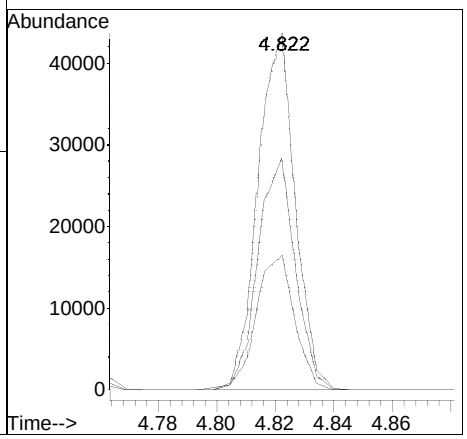


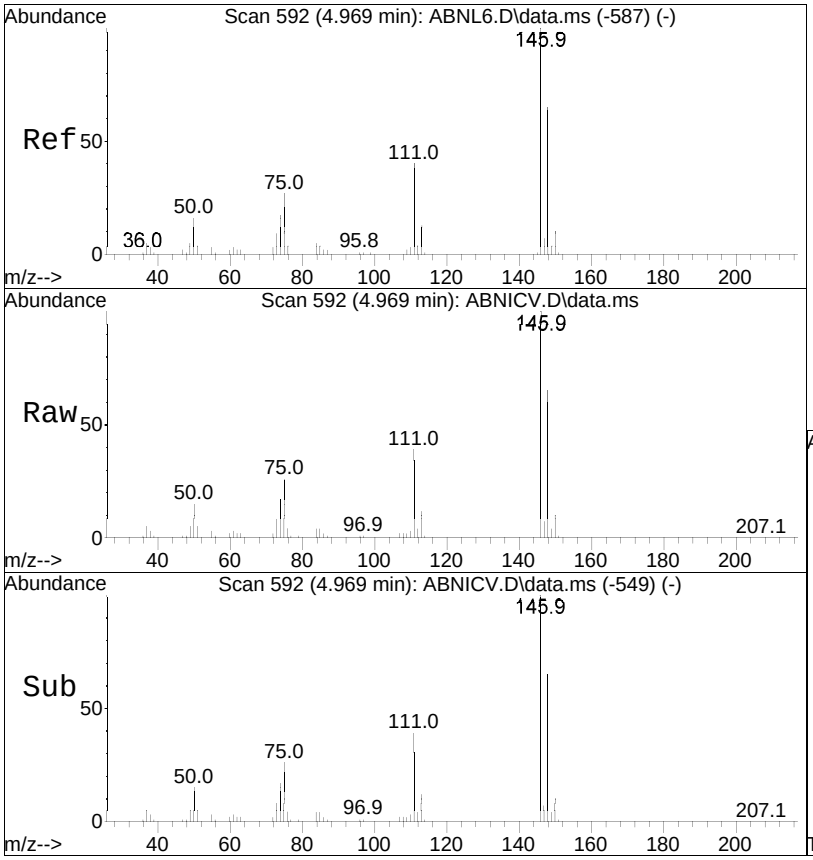


#11
1,4-Dichlorobenzene
Concen: 4.72 ug/ml
RT: 4.822 min Scan# 567
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

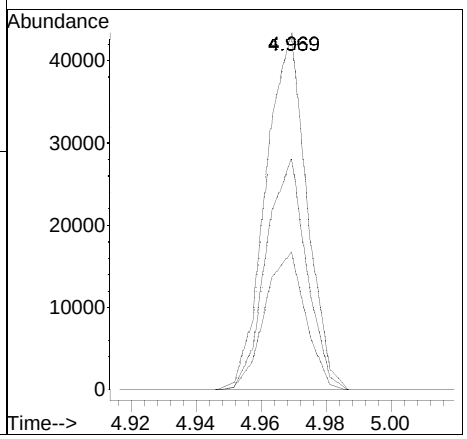


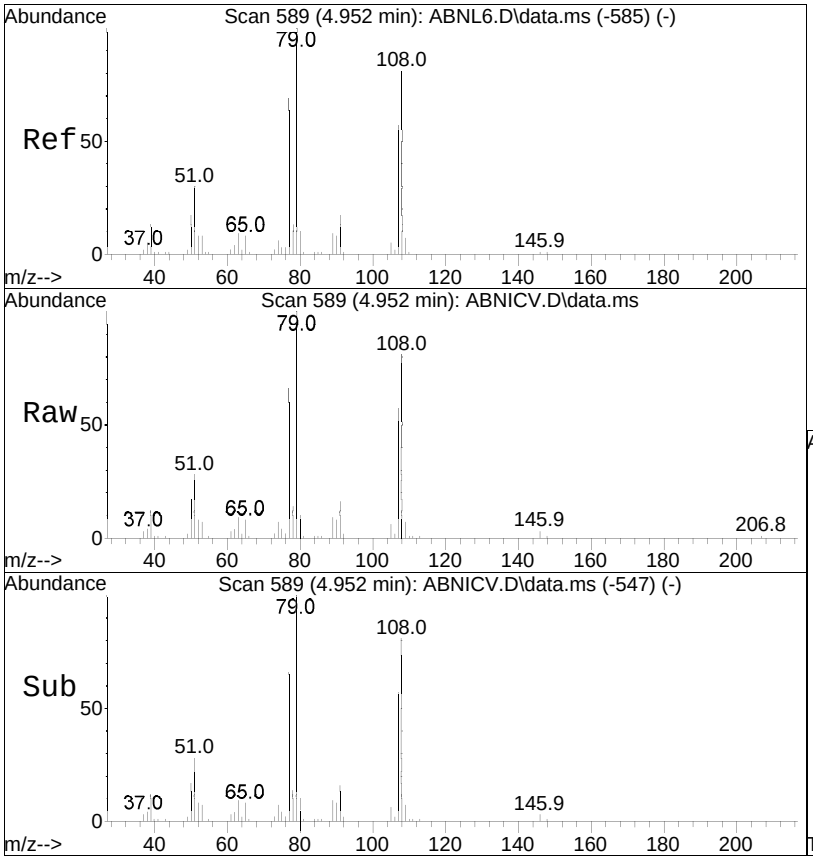


#12
1,2-Dichlorobenzene
Concen: 4.96 ug/ml
RT: 4.969 min Scan# 592
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

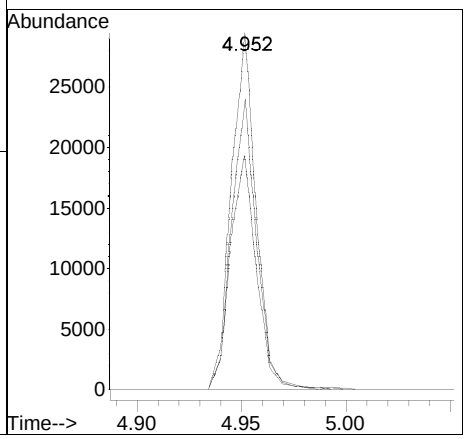


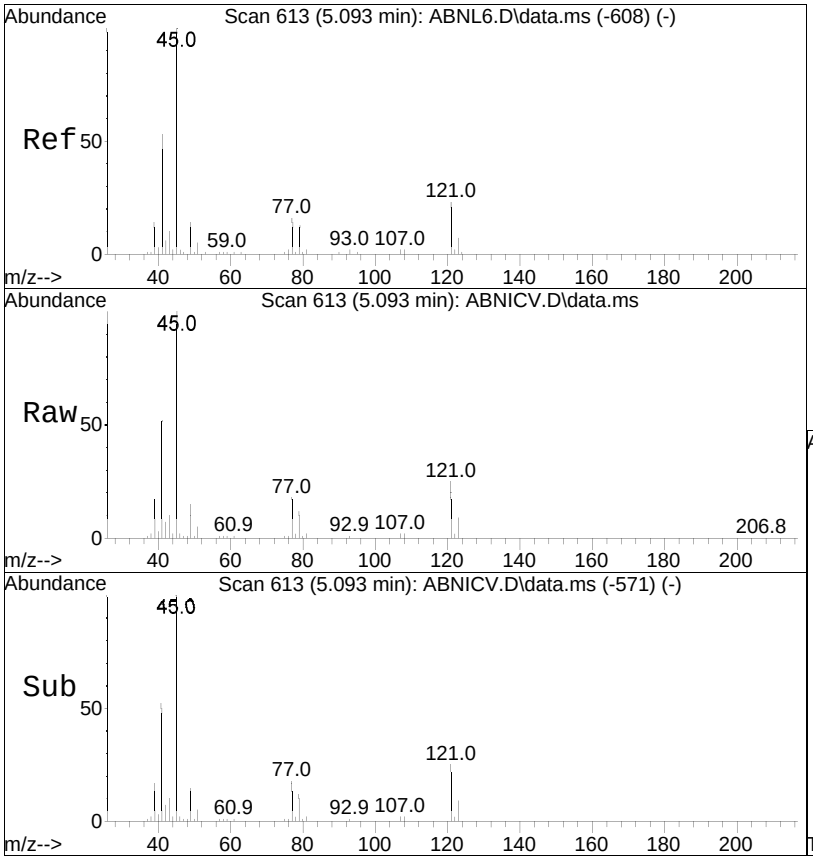


#13
Benzyl alcohol
Concen: 5.00 ug/ml
RT: 4.952 min Scan# 589
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

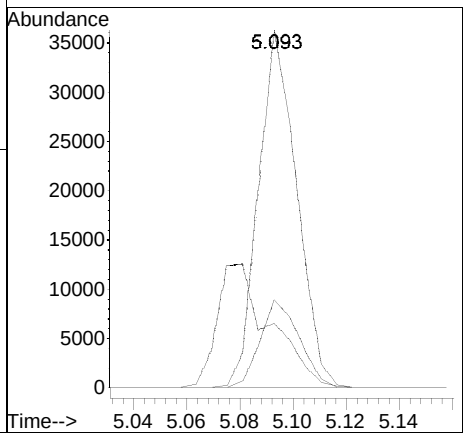


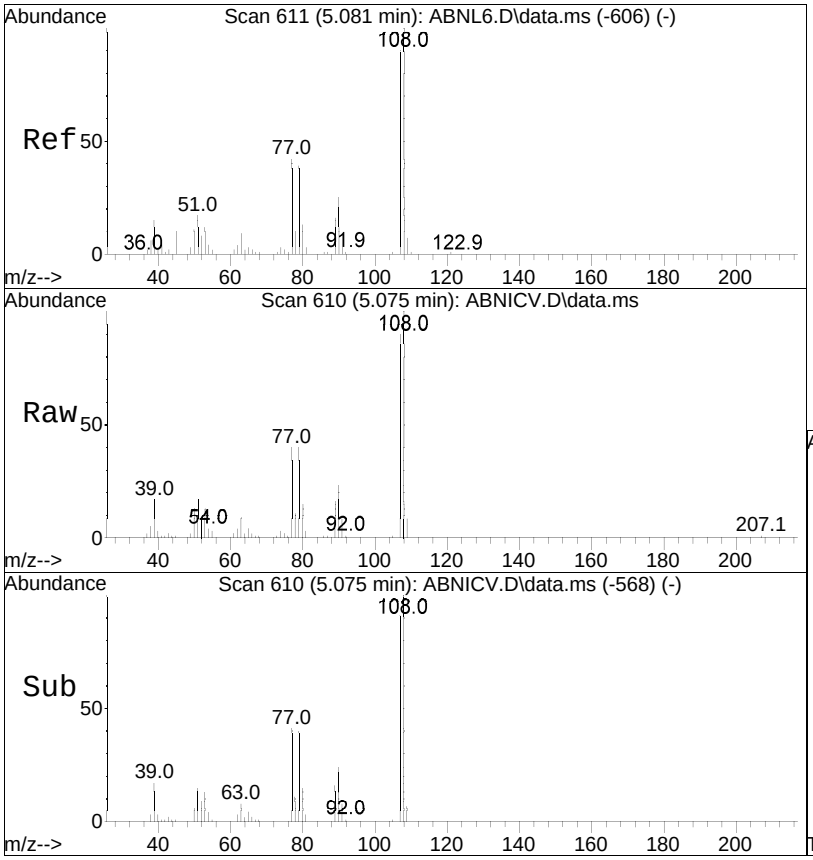


#14
Bis(2-chloroisopropyl)ether
Concen: 4.74 ug/ml
RT: 5.093 min Scan# 613
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

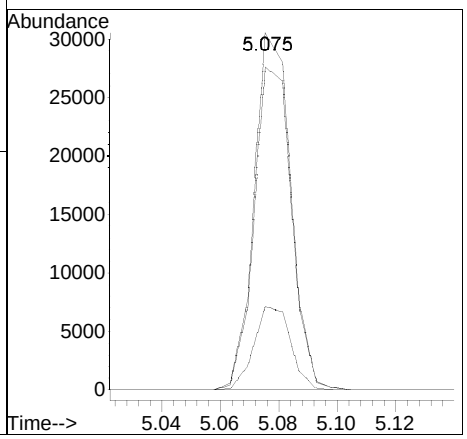


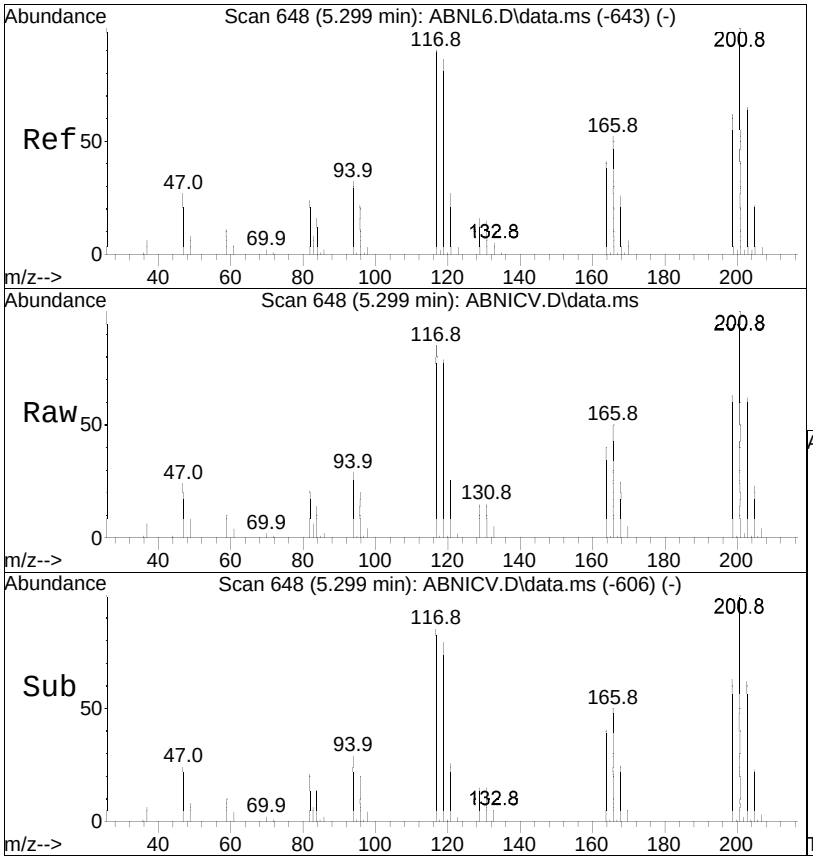


#15
2-Methylphenol
Concen: 4.87 ug/ml
RT: 5.075 min Scan# 610
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

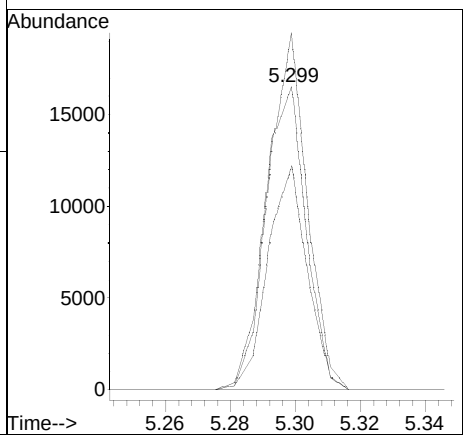


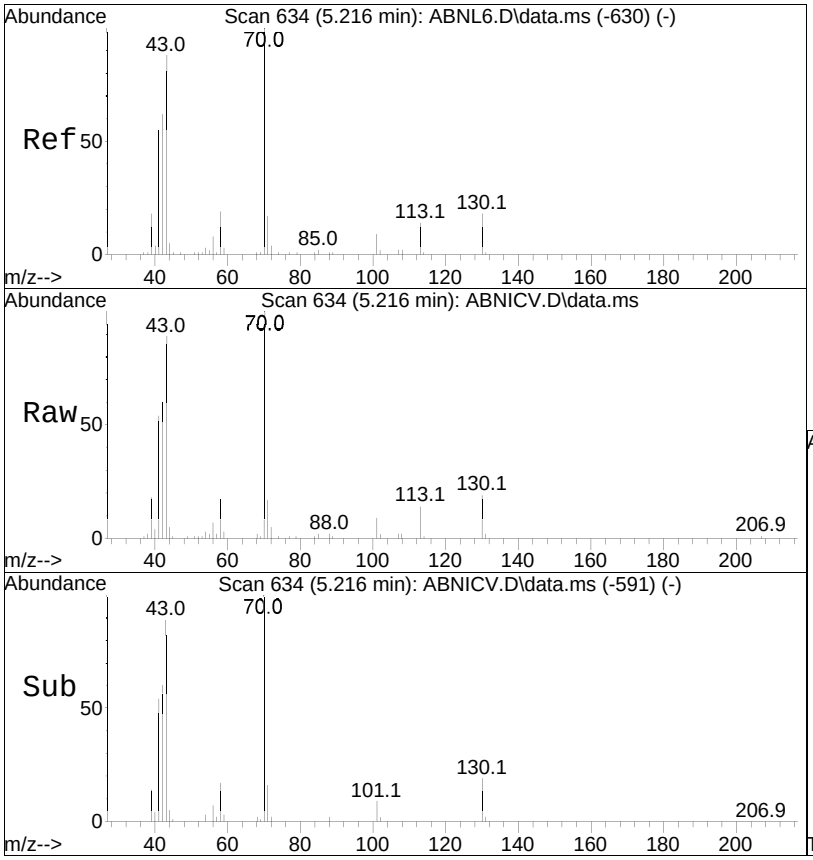


#16
Hexachloroethane
Concen: 5.10 ug/ml
RT: 5.299 min Scan# 648
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

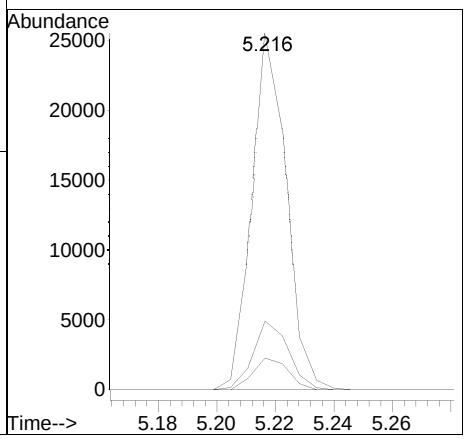


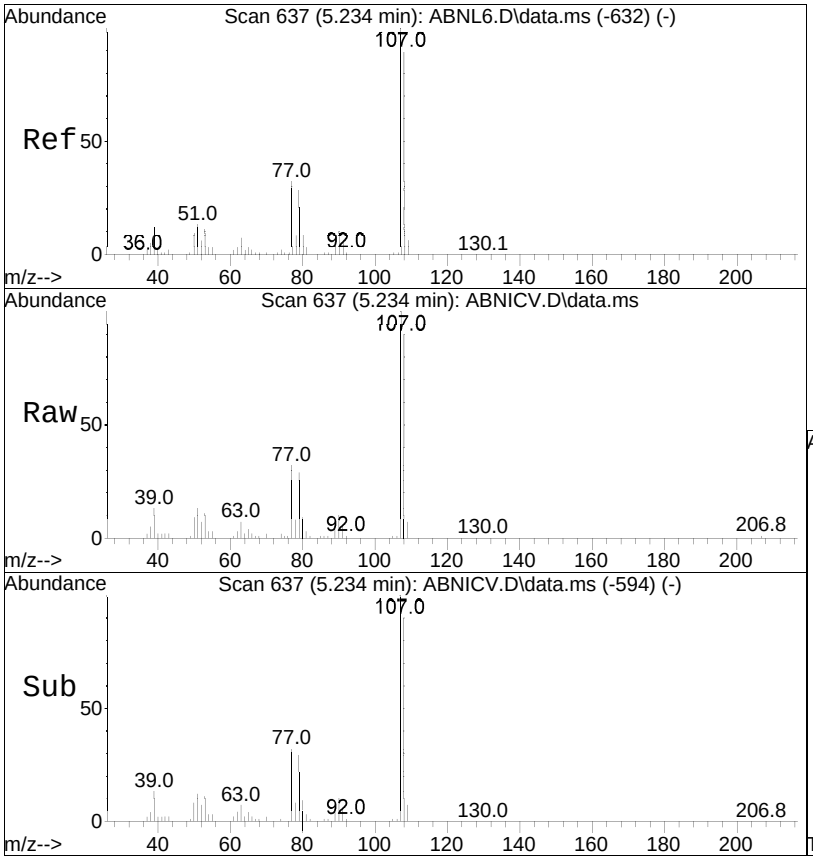


#17
n-Nitrosodi-n-propylamine
Concen: 4.68 ug/ml
RT: 5.216 min Scan# 634
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

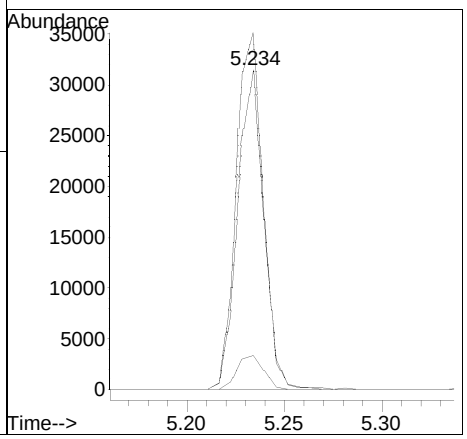


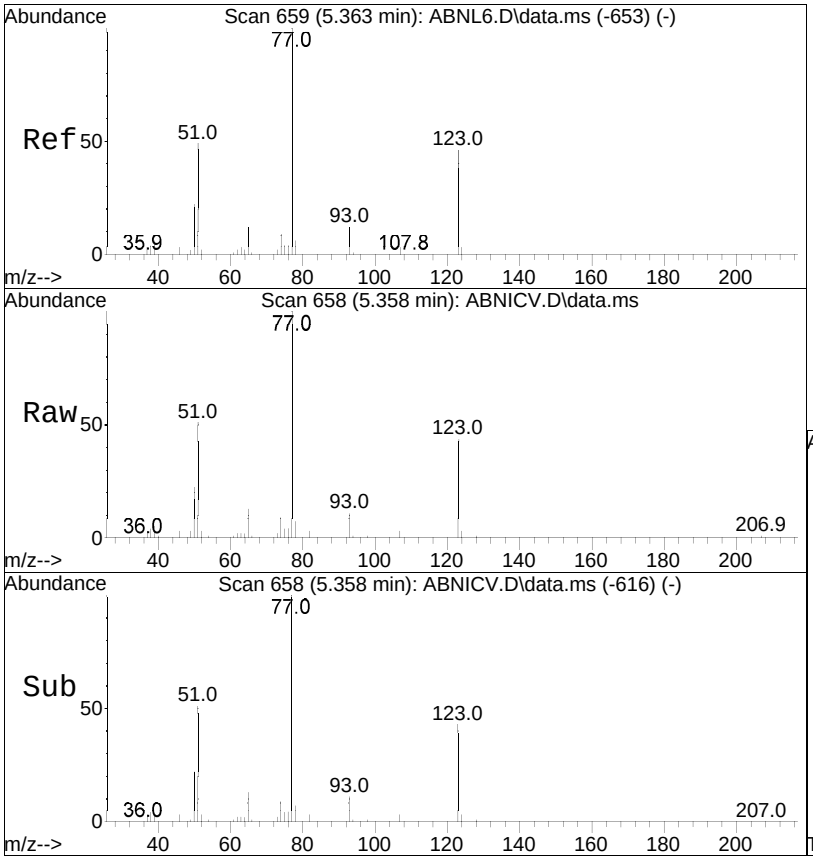


#18
3-Methylphenol/4-Methylphenol
Concen: 4.93 ug/ml
RT: 5.234 min Scan# 637
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

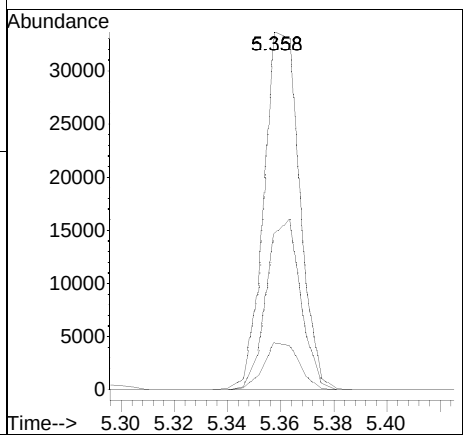


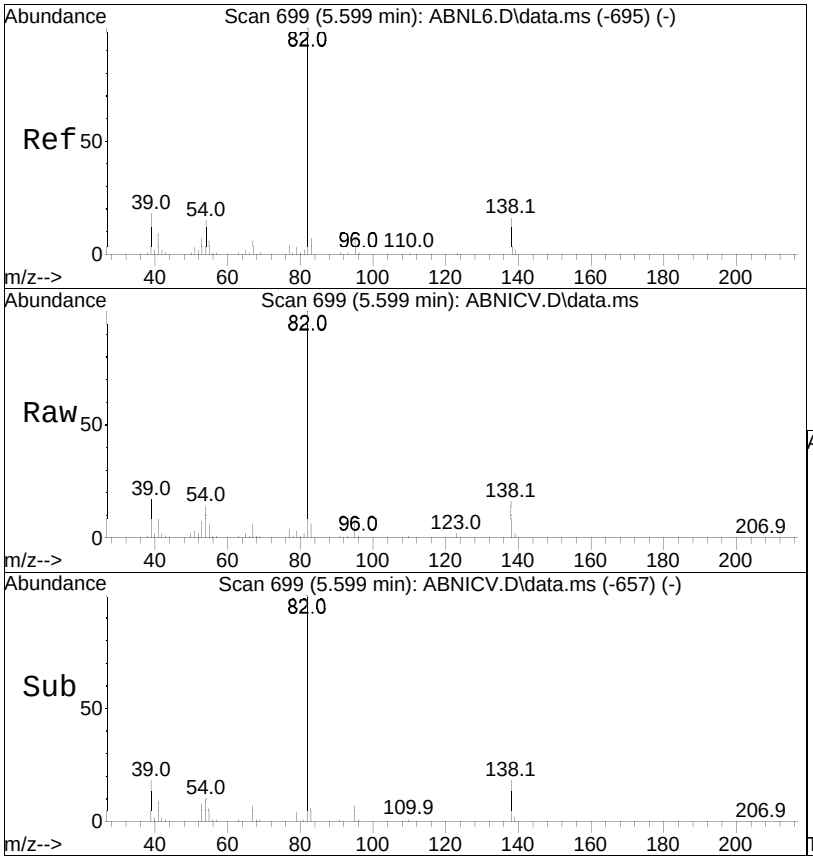


#20
Nitrobenzene
Concen: 4.69 ug/ml
RT: 5.358 min Scan# 658
Delta R.T. -0.005 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

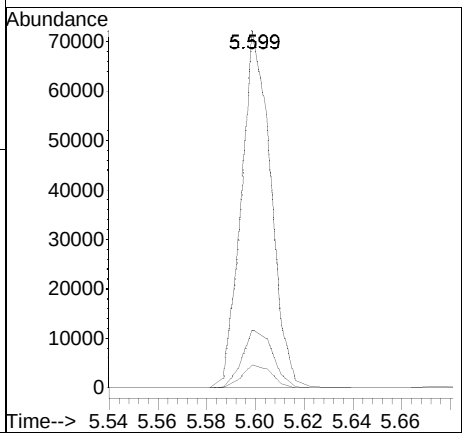


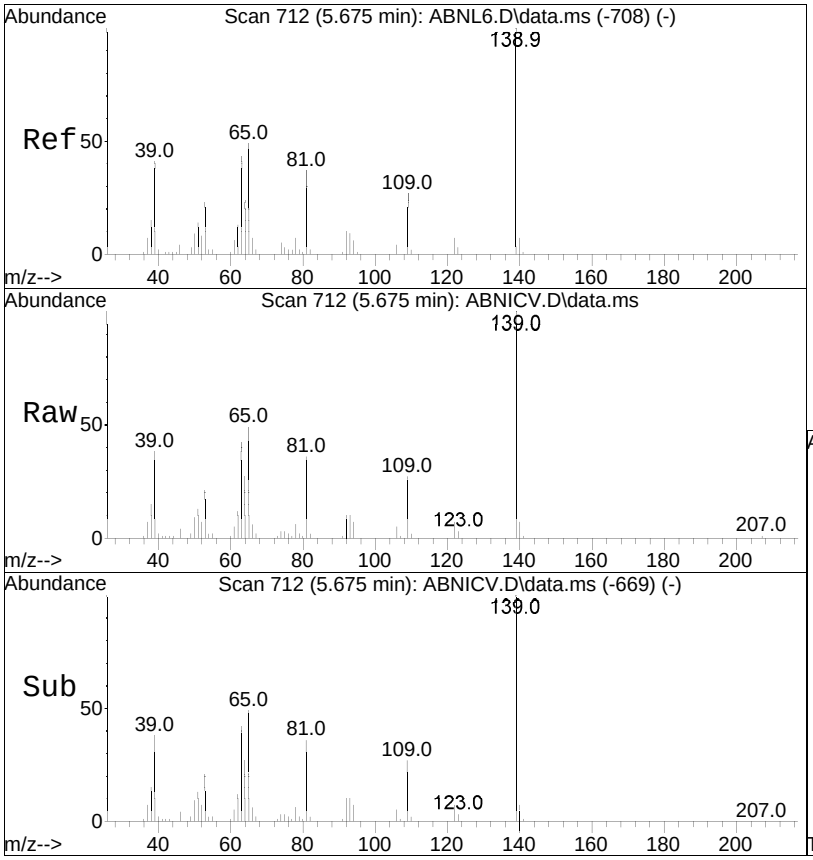


#21
Isophorone
Concen: 5.00 ug/ml
RT: 5.599 min Scan# 699
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

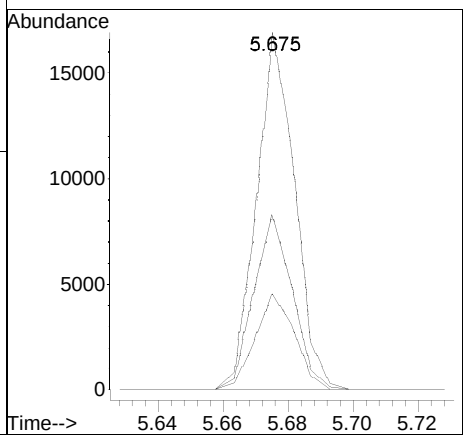


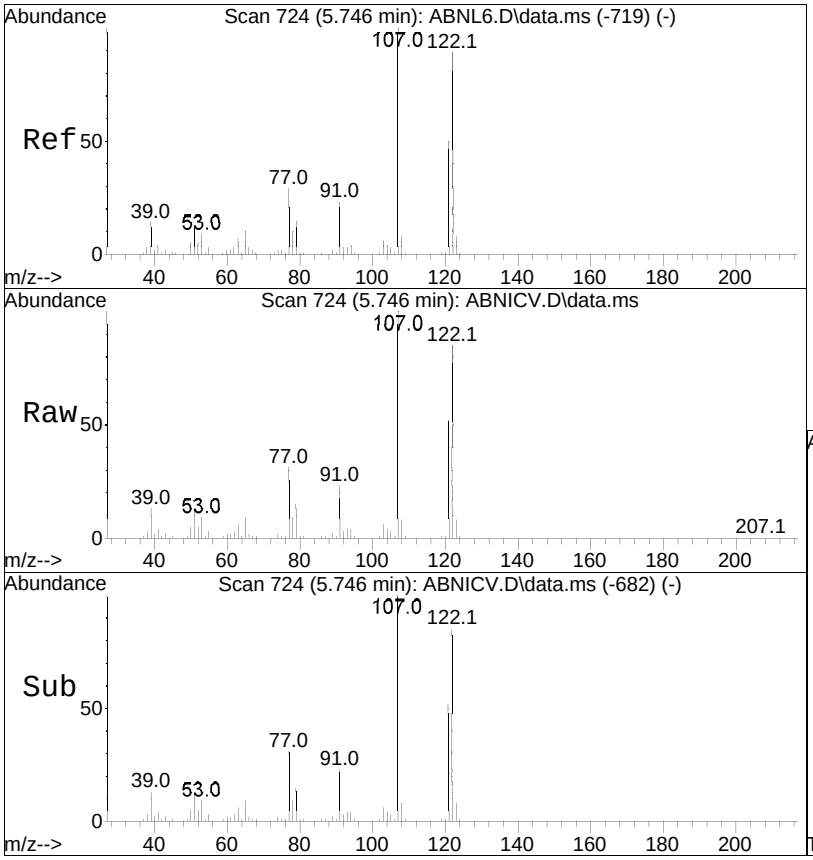


#22
2-Nitrophenol
Concen: 4.62 ug/ml
RT: 5.675 min Scan# 712
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

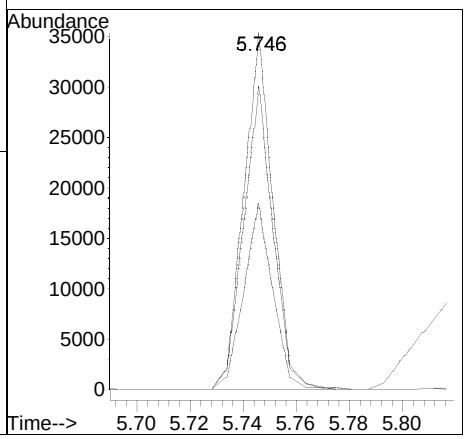


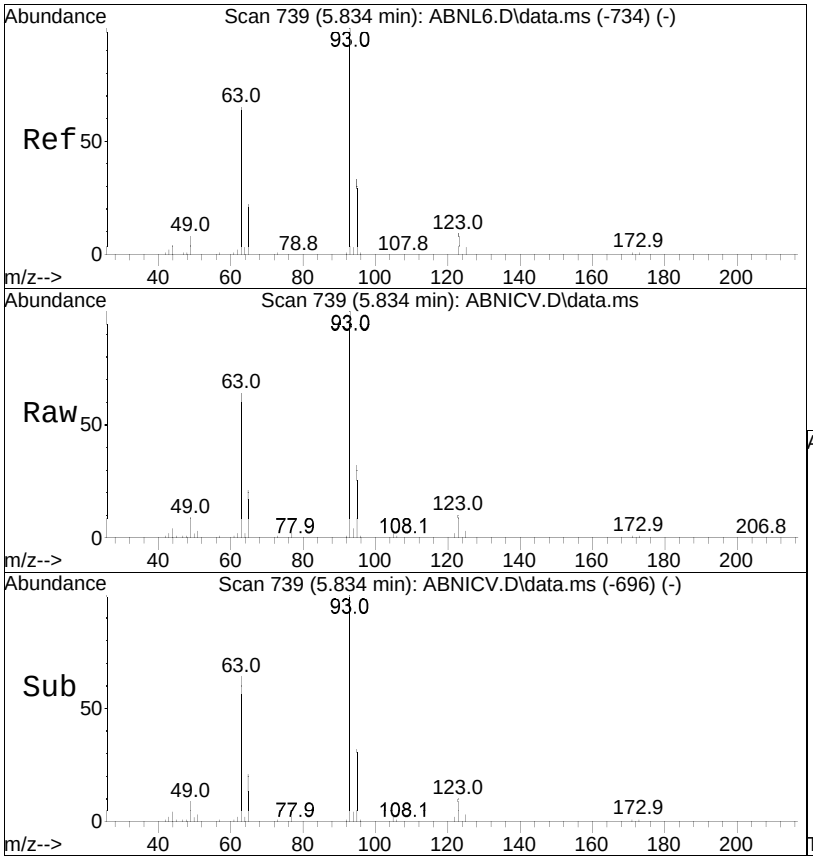


#23
2,4-Dimethylphenol
Concen: 4.72 ug/ml
RT: 5.746 min Scan# 724
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

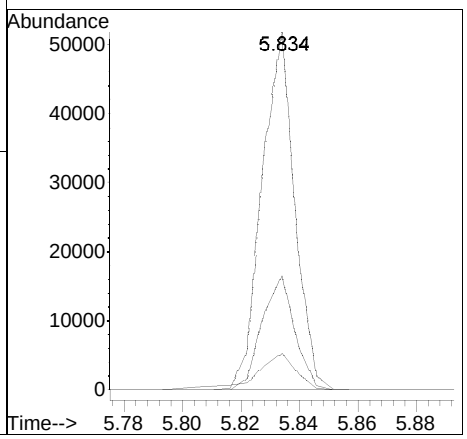


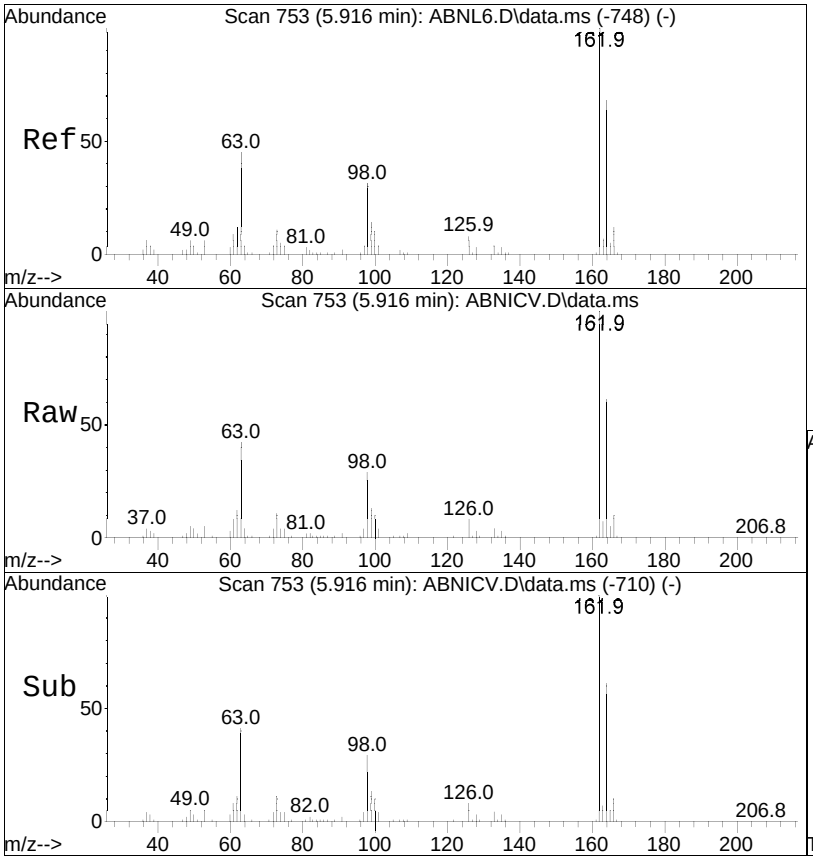


#24
Bis(2-chloroethoxy)methane
Concen: 4.93 ug/ml
RT: 5.834 min Scan# 739
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

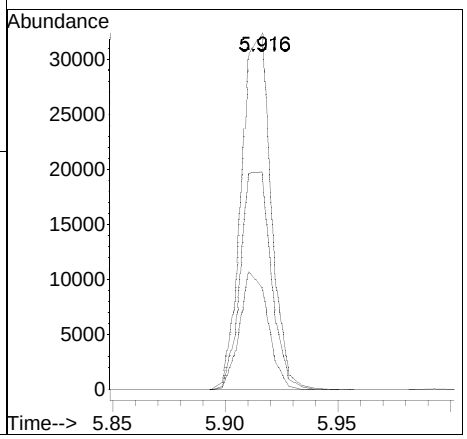


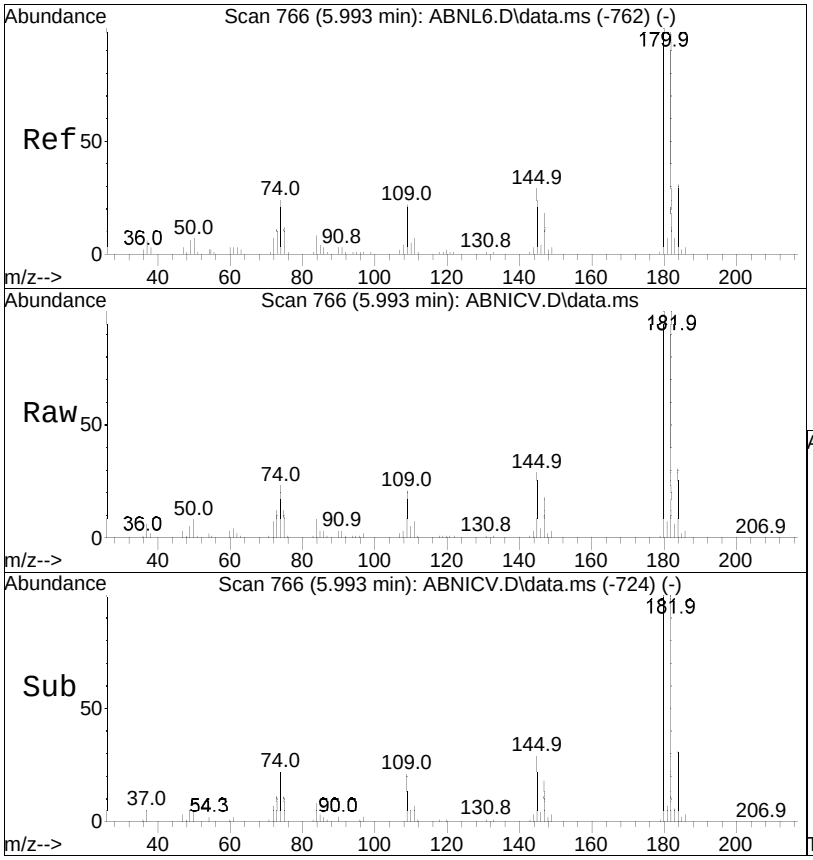


#25
2,4-Dichlorophenol
Concen: 4.99 ug/ml
RT: 5.916 min Scan# 753
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

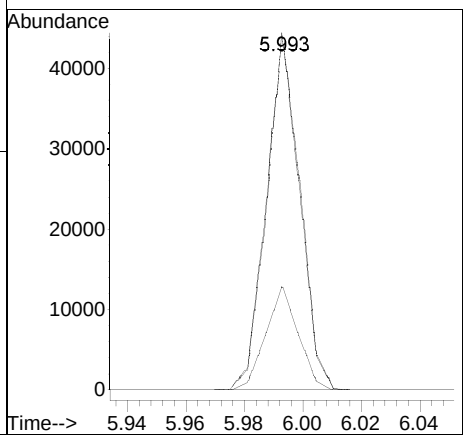


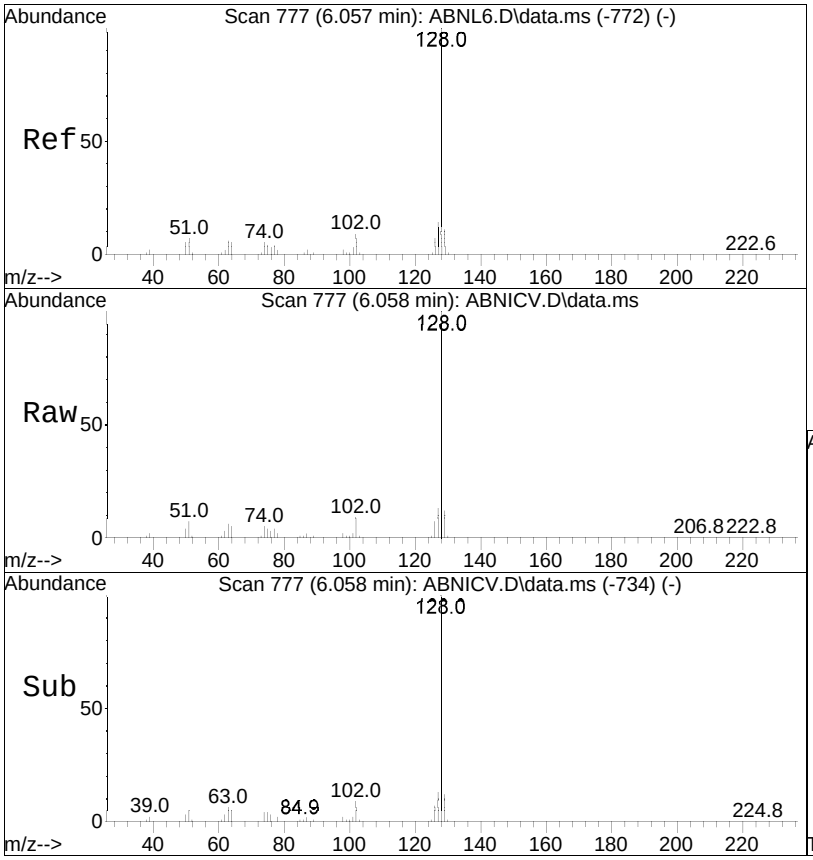


#26
1,2,4-Trichlorobenzene
Concen: 4.69 ug/ml
RT: 5.993 min Scan# 766
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

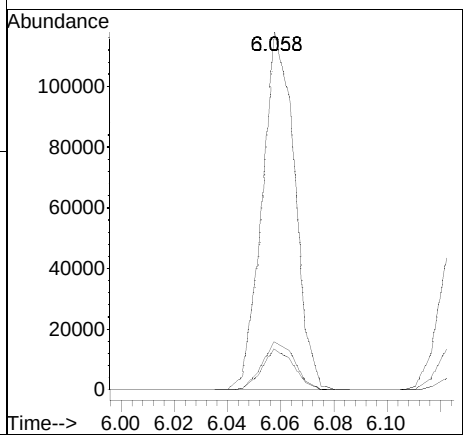


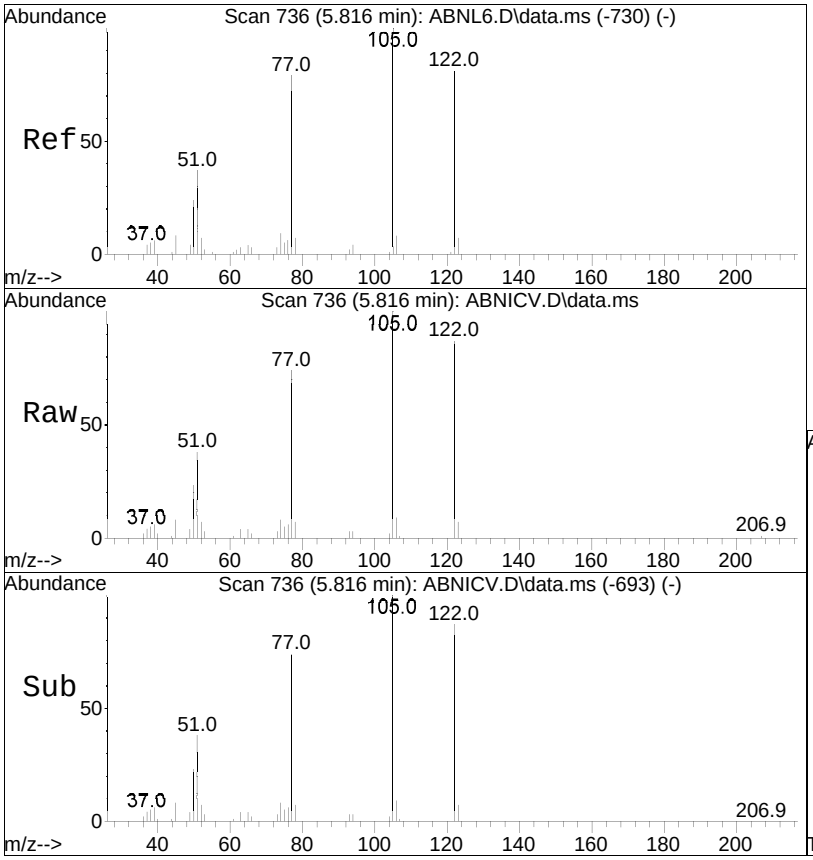


#36
Naphthalene
Concen: 4.72 ug/ml
RT: 6.058 min Scan# 777
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

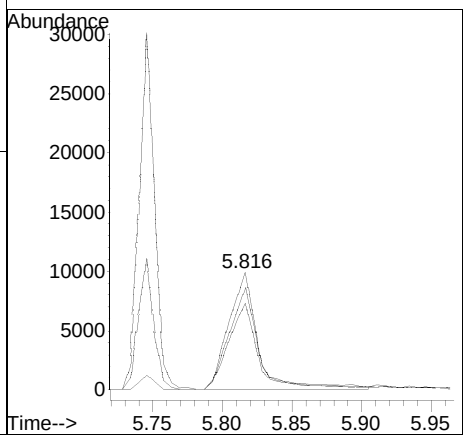


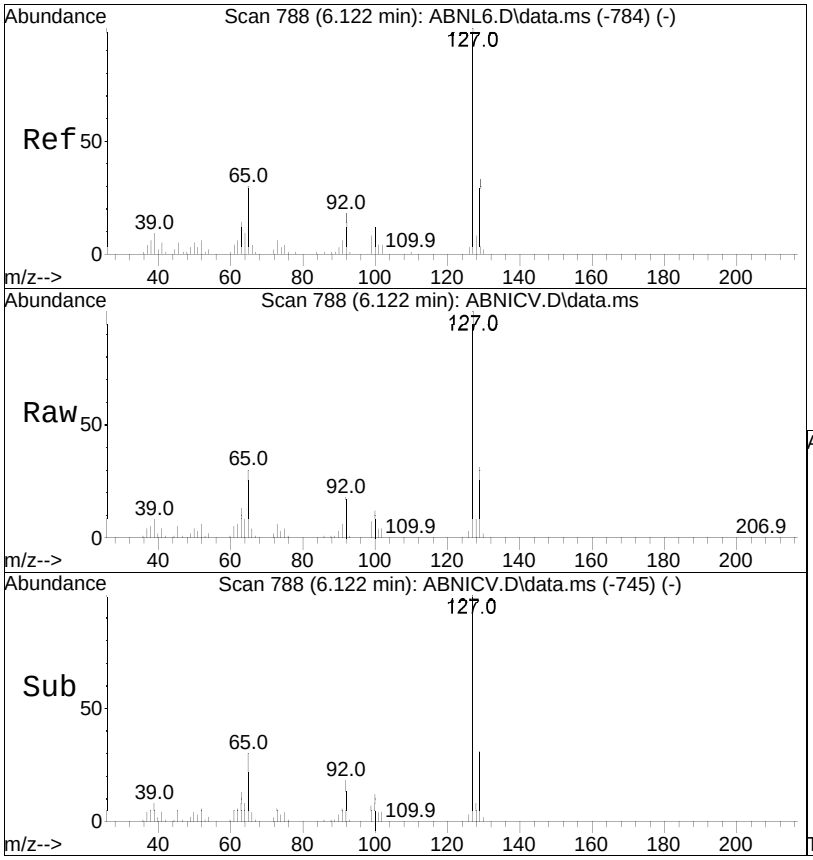


#37
Benzoic Acid
Concen: 4.28 ug/ml
RT: 5.816 min Scan# 736
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

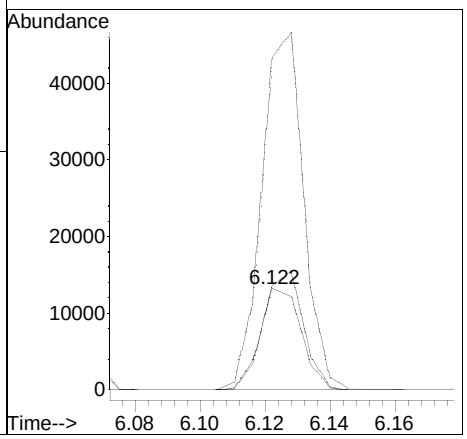


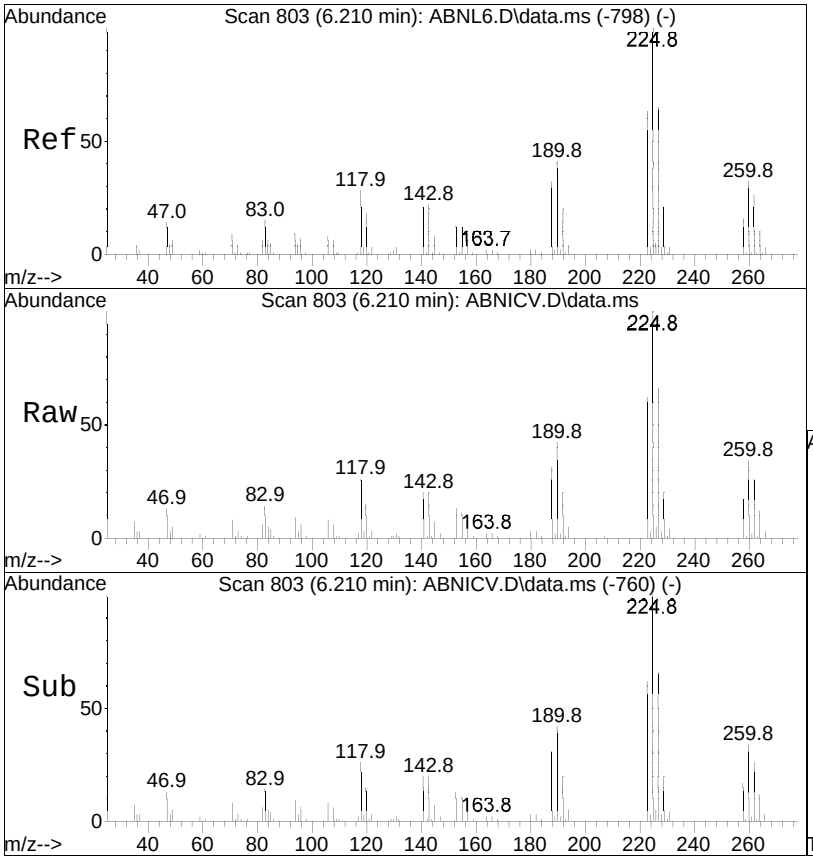


#38
4-Chloroaniline
Concen: 4.95 ug/ml
RT: 6.122 min Scan# 788
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

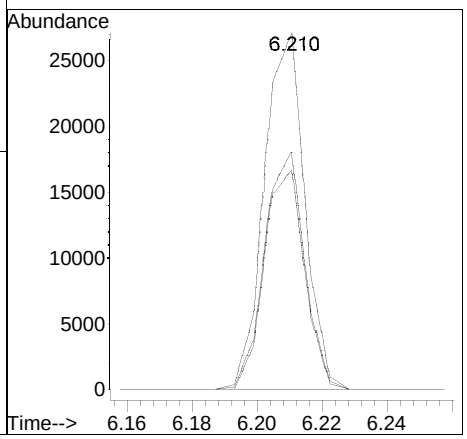


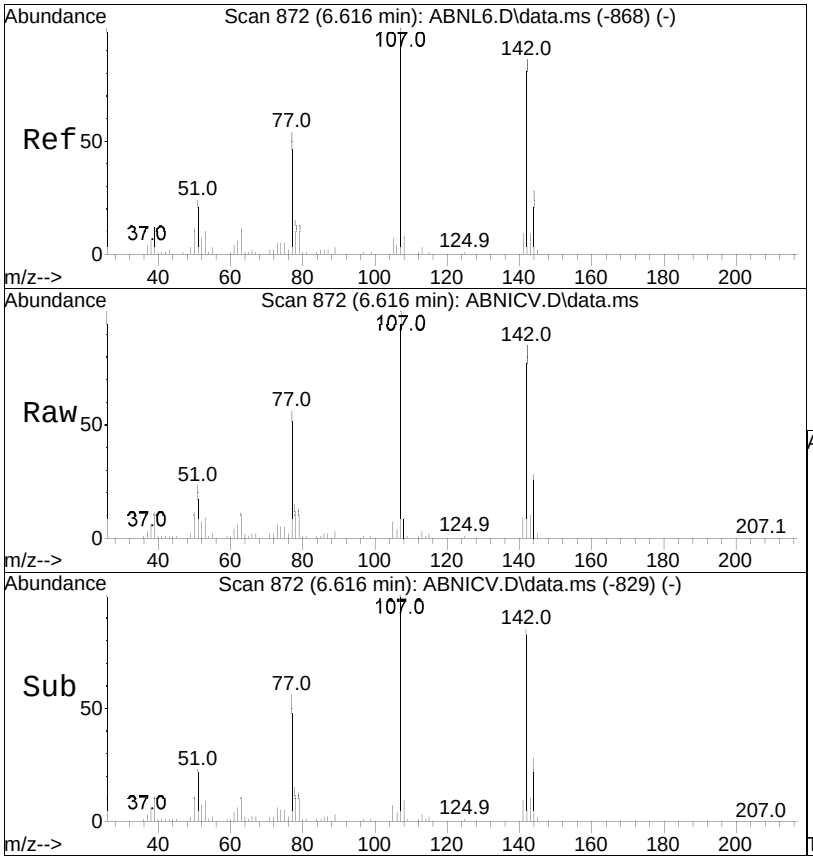


#39
Hexachlorobutadiene
Concen: 4.72 ug/ml
RT: 6.210 min Scan# 803
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

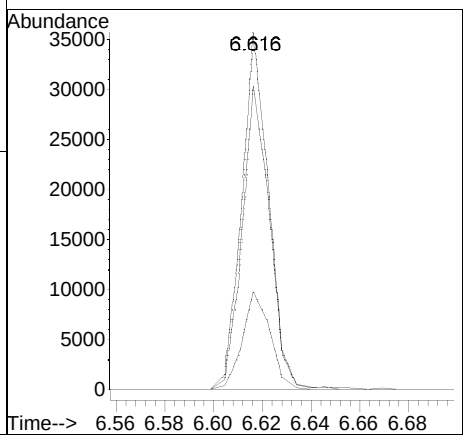


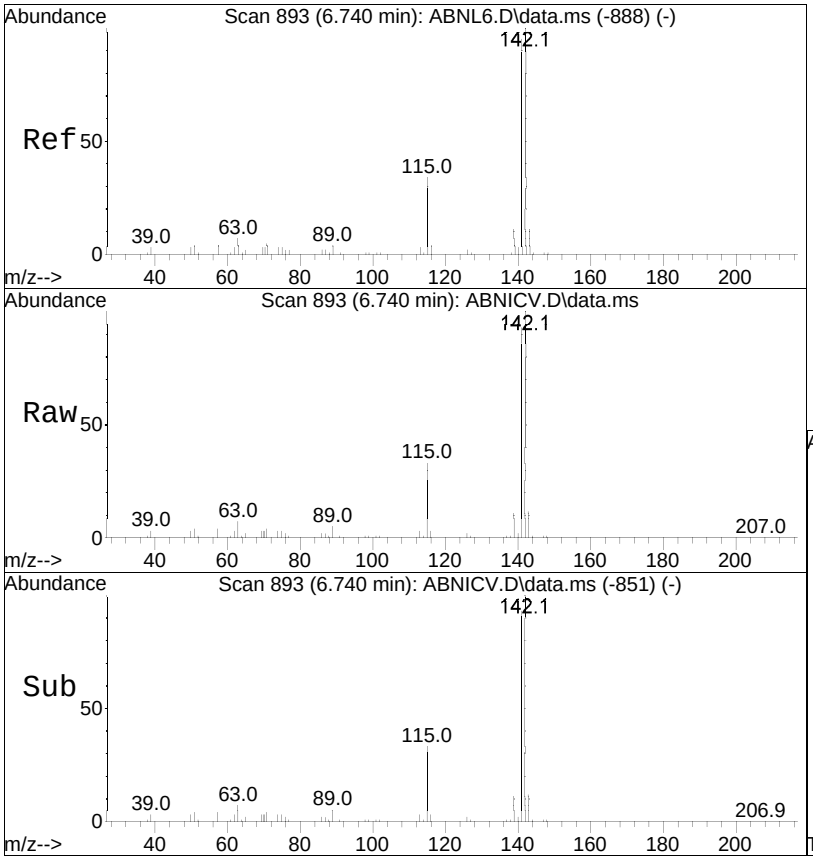


#40
p-Chloro-m-cresol
Concen: 4.89 ug/ml
RT: 6.616 min Scan# 872
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

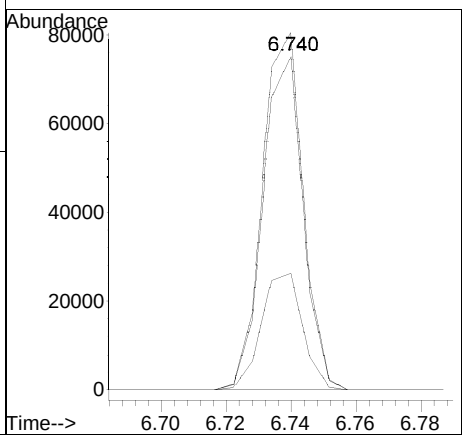


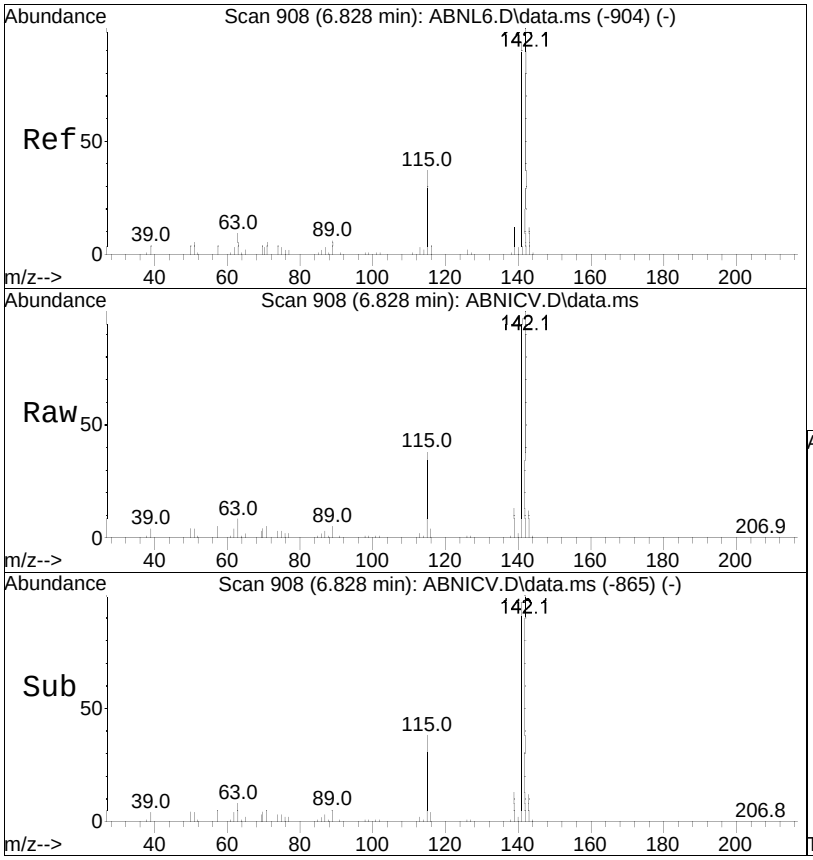


#41
2-Methylnaphthalene
Concen: 4.88 ug/ml
RT: 6.740 min Scan# 893
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

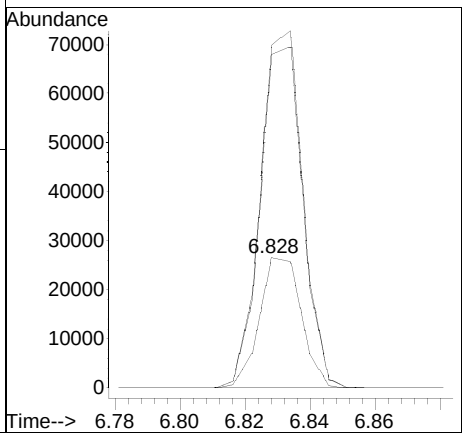


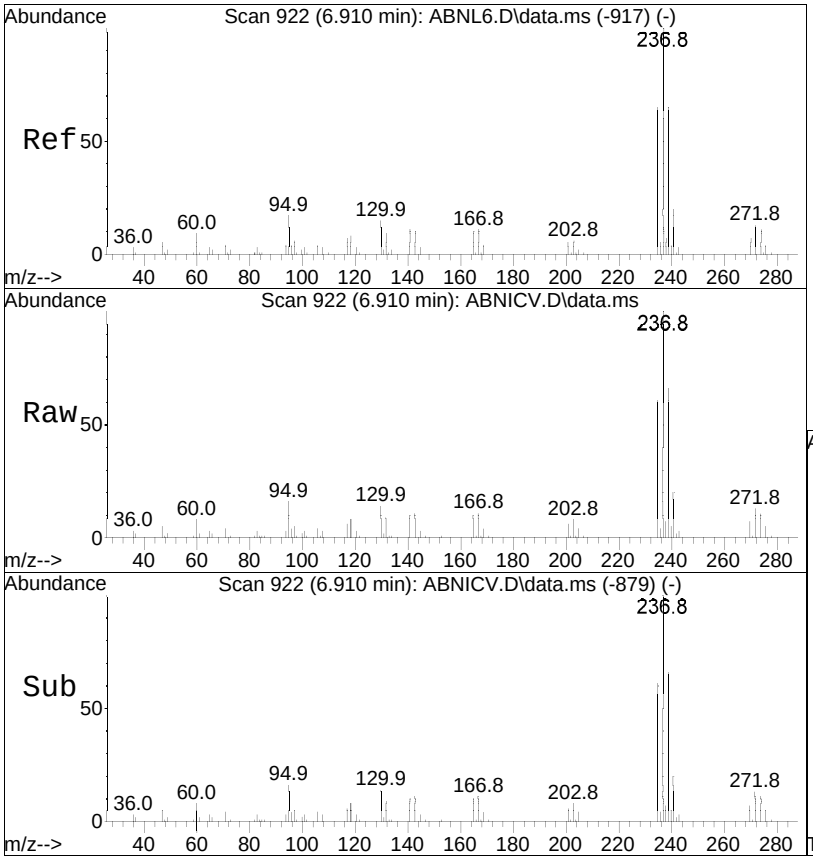


#42
1-Methylnaphthalene
Concen: 4.84 ug/ml
RT: 6.828 min Scan# 908
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

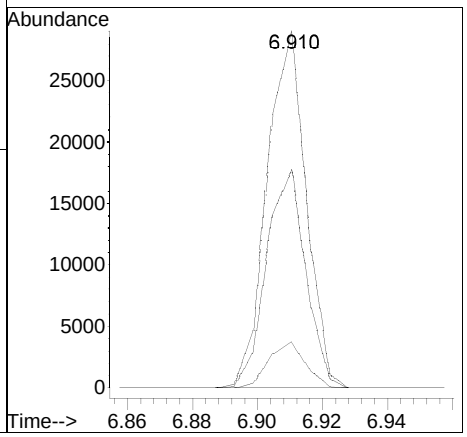


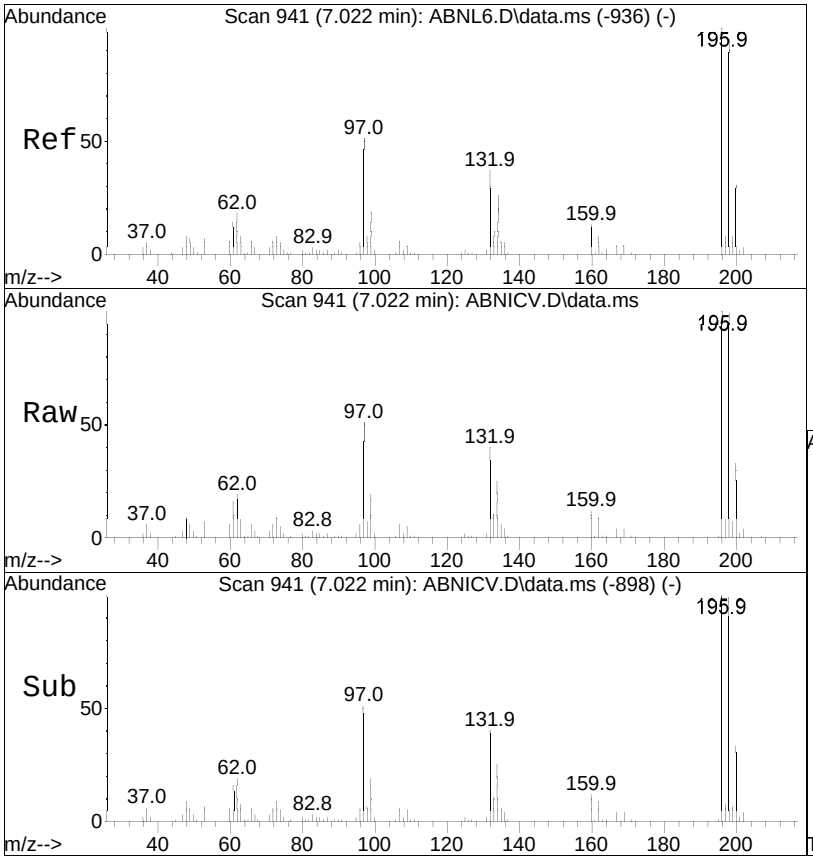


#43
Hexachlorocyclopentadiene
Concen: 4.80 ug/ml
RT: 6.910 min Scan# 922
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

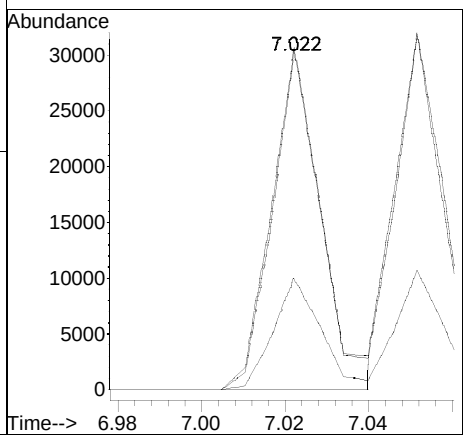


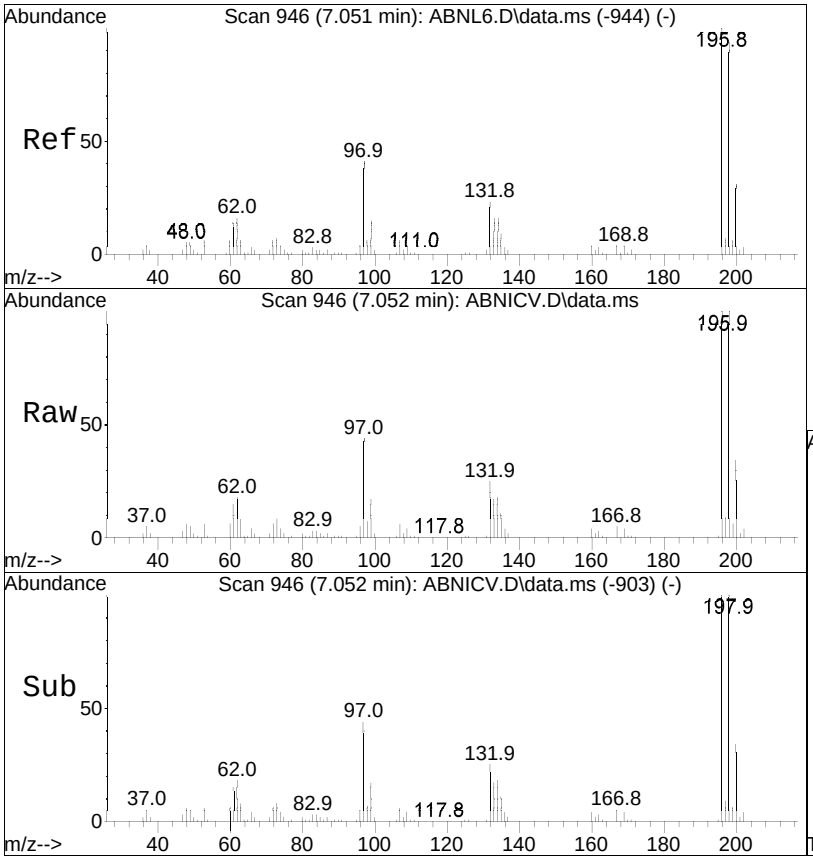


#44
2,4,6-Trichlorophenol
Concen: 4.89 ug/ml
RT: 7.022 min Scan# 941
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

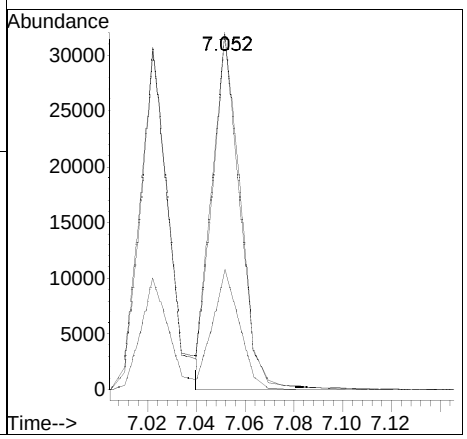


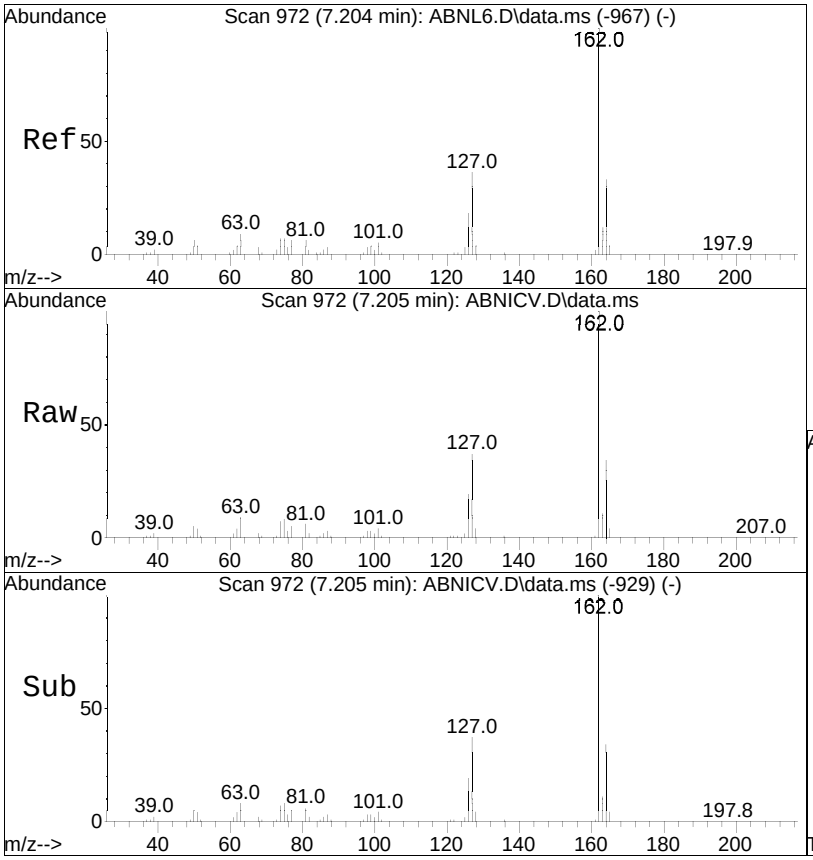


#45
2,4,5-Trichlorophenol
Concen: 4.93 ug/ml
RT: 7.052 min Scan# 946
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

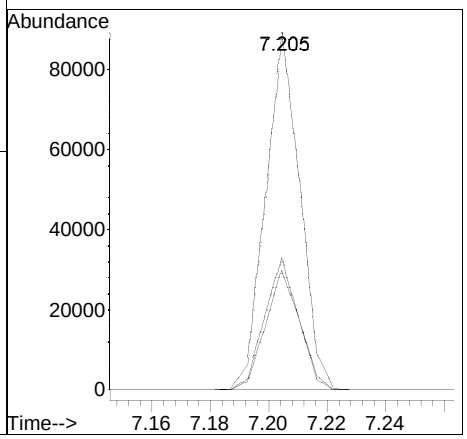


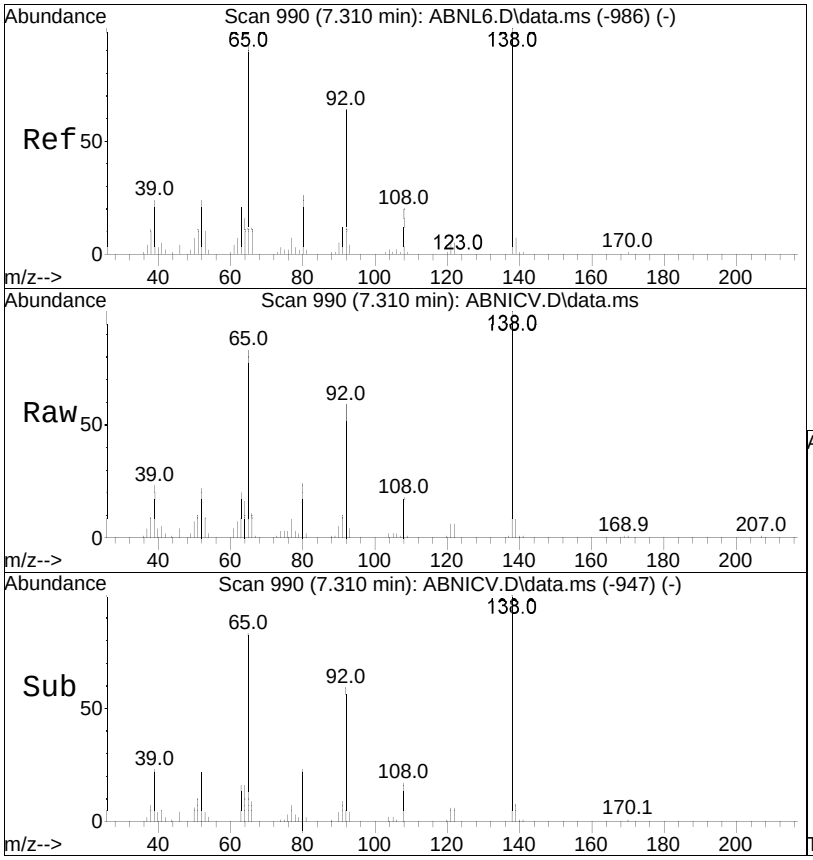


#47
2-Chloronaphthalene
Concen: 4.71 ug/ml
RT: 7.205 min Scan# 972
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

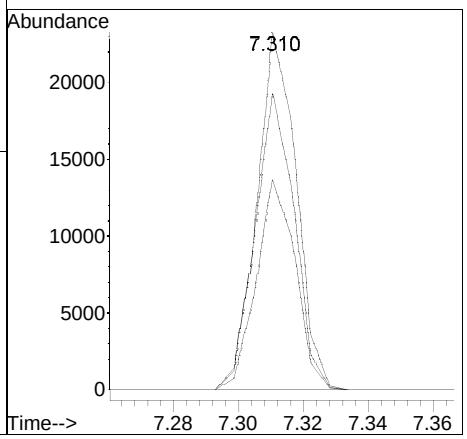


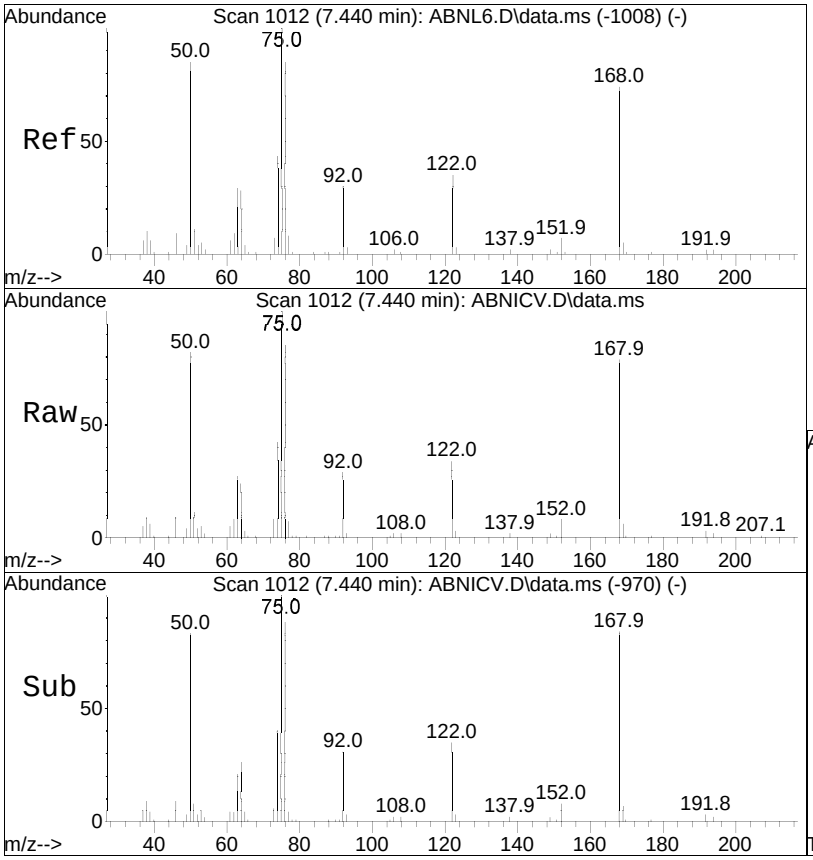


#48
2-Nitroaniline
Concen: 4.79 ug/ml
RT: 7.310 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

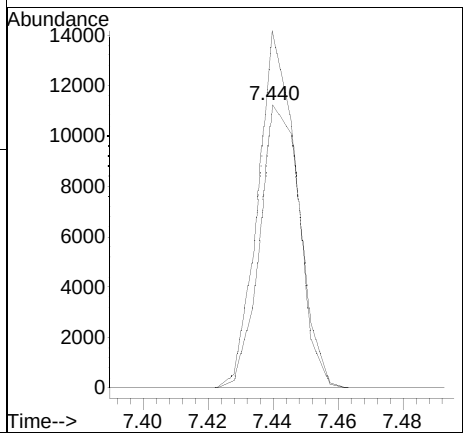


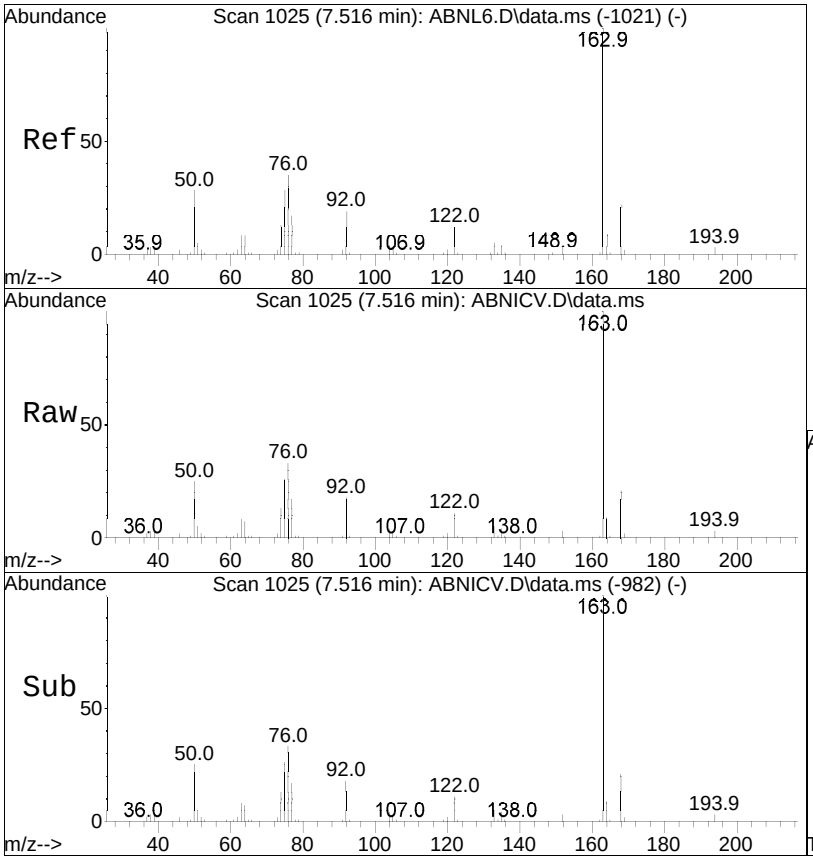


#49
1,4-Dinitrobenzene
Concen: 4.95 ug/ml
RT: 7.440 min Scan# 1012
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 9774

Ion	Ratio	Lower	Upper
168	100		
75	118.0	111.0	166.4

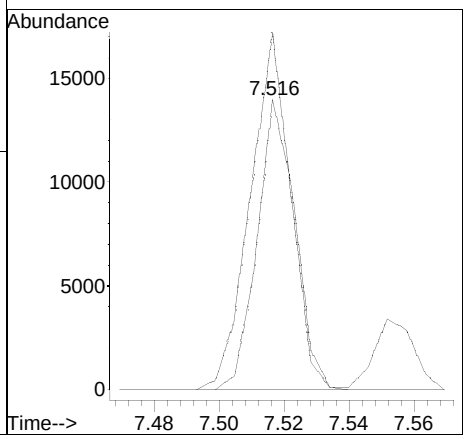


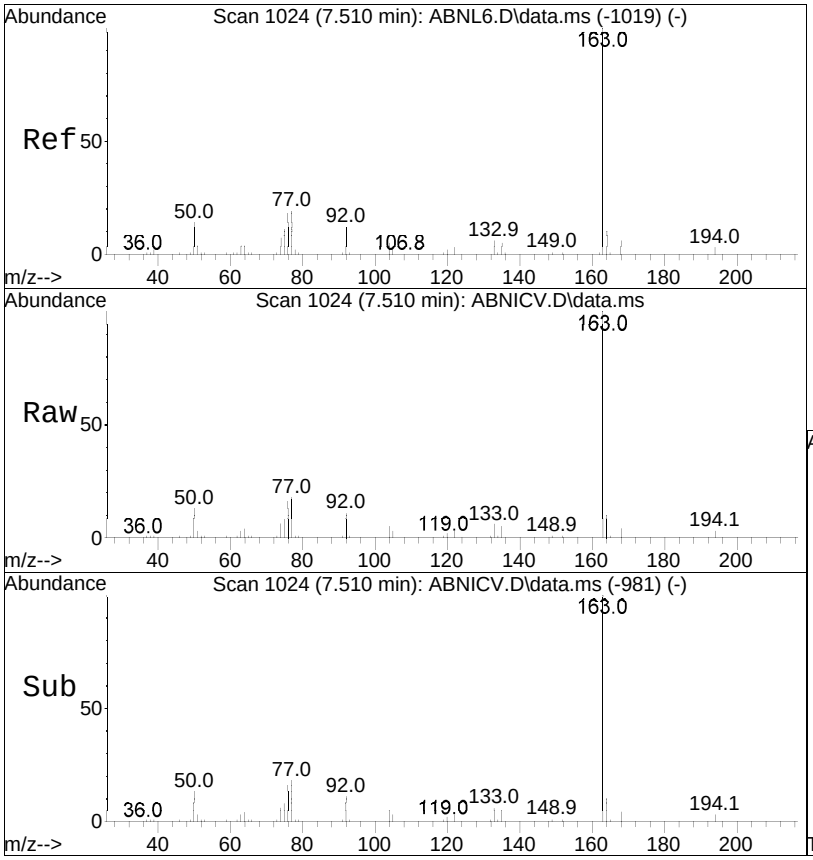


#50
1,3-Dinitrobenzene
Concen: 4.88 ug/ml
RT: 7.516 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 11190

Ion	Ratio	Lower	Upper
168	100		
75	131.7	116.4	174.6

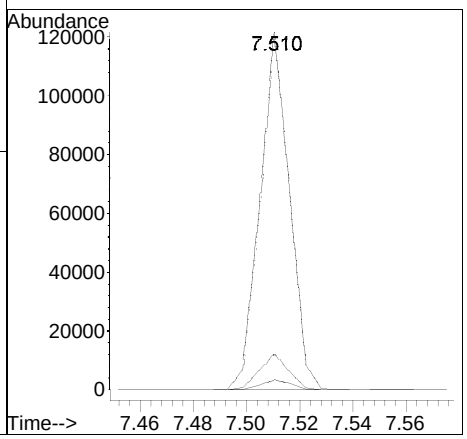


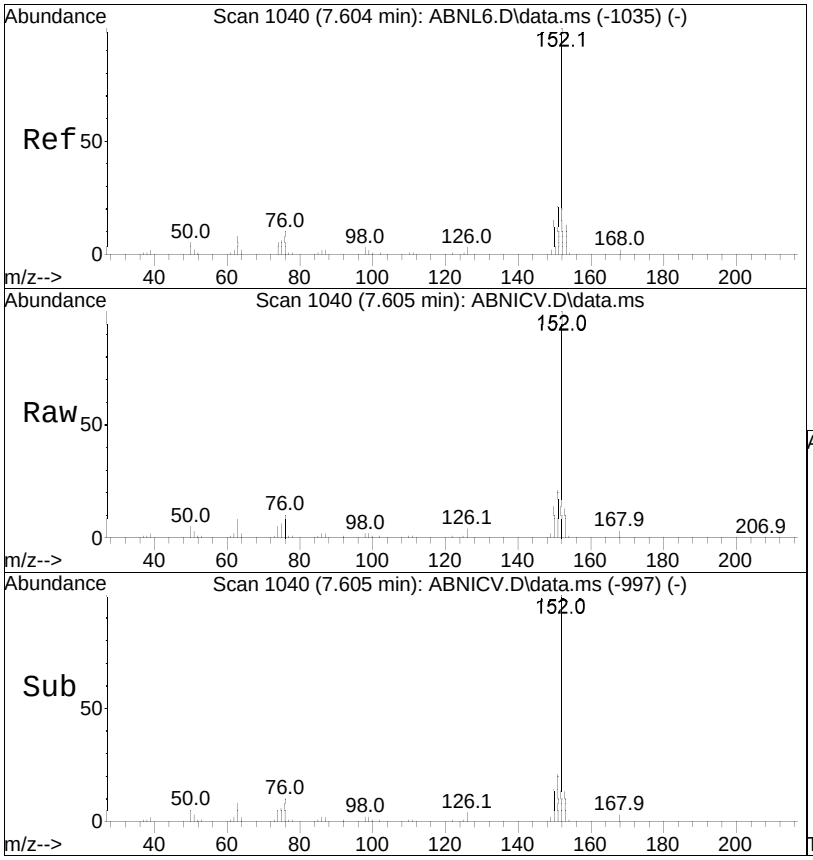


#51
Dimethyl phthalate
Concen: 4.95 ug/ml
RT: 7.510 min Scan# 1024
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

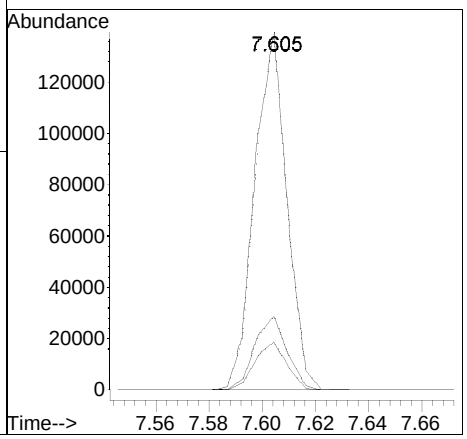


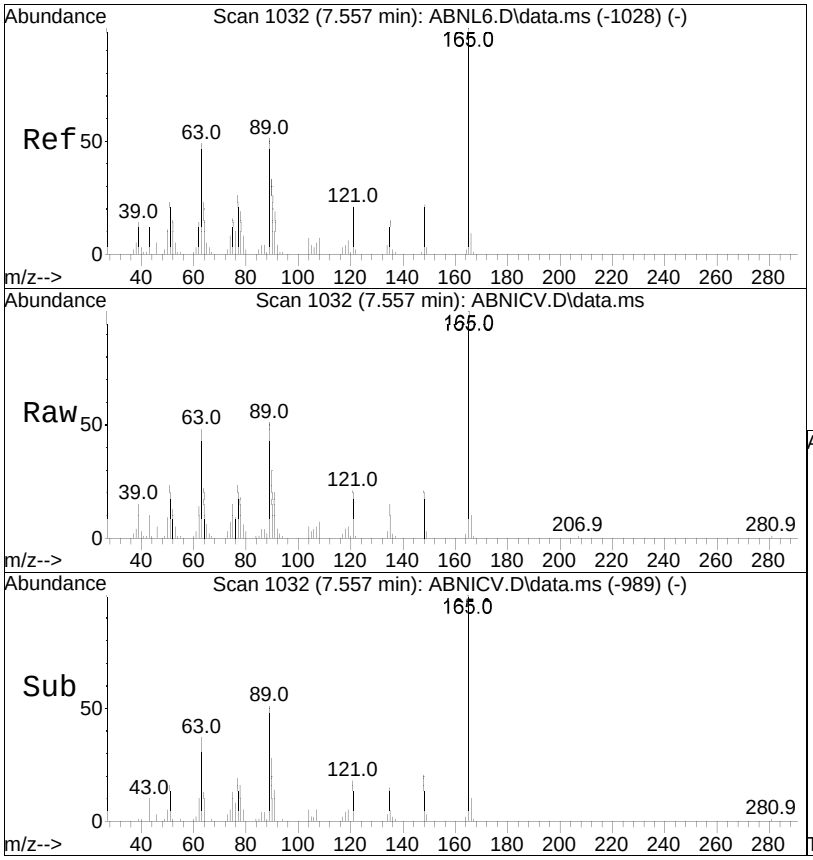


#52
Acenaphthylene
Concen: 5.14 ug/ml
RT: 7.605 min Scan# 1040
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

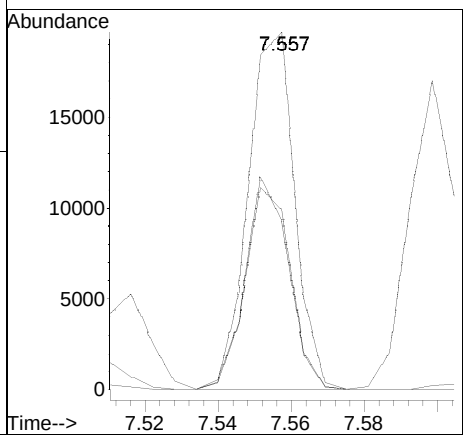


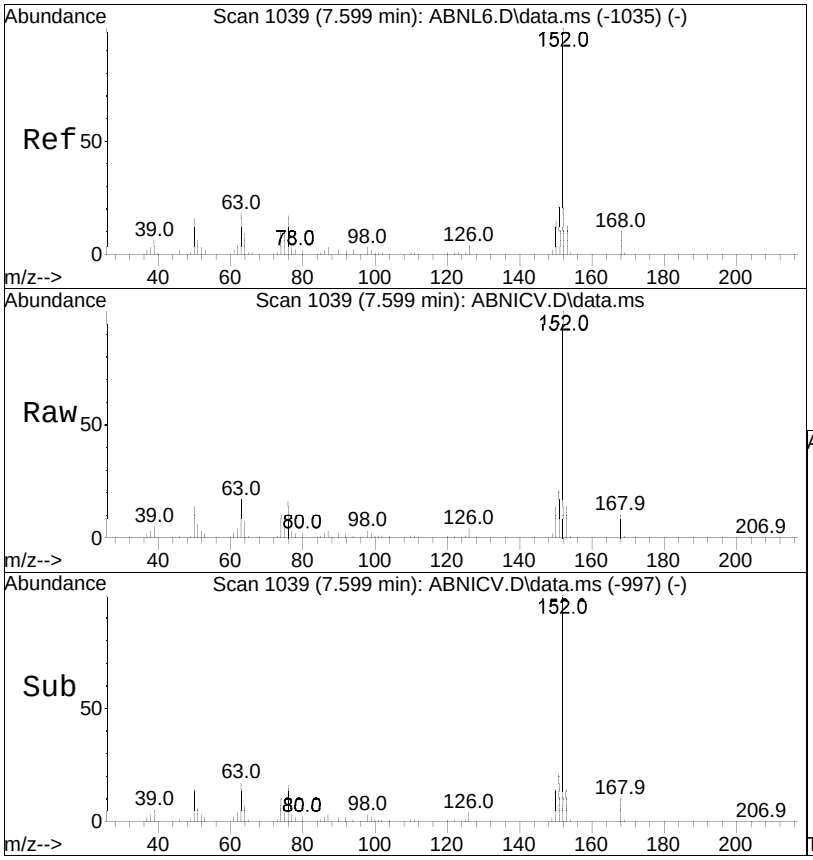


#53
2,6-Dinitrotoluene
Concen: 5.01 ug/ml
RT: 7.557 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

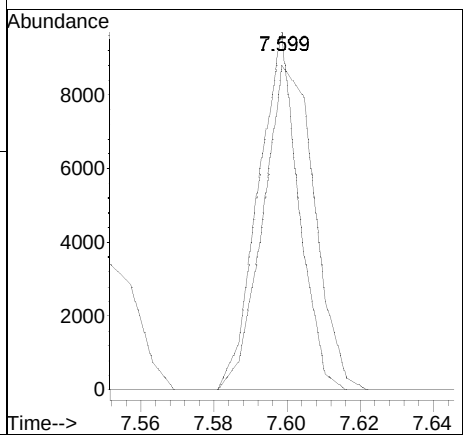


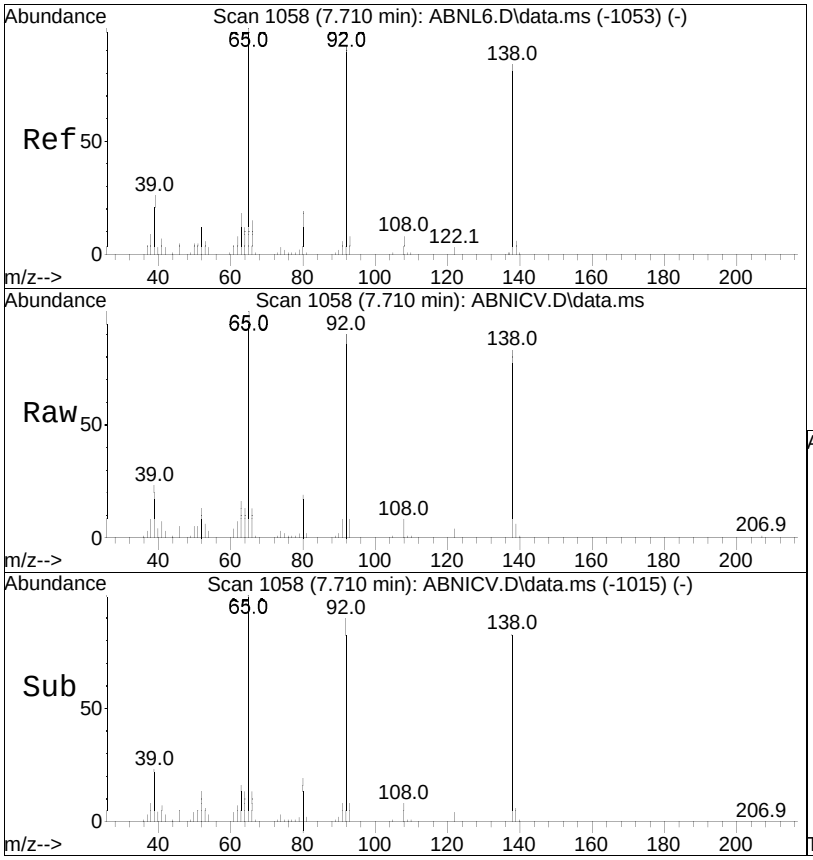


#54
1,2-Dinitrobenzene
Concen: 4.87 ug/ml
RT: 7.599 min Scan# 1039
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 7435

Ion	Ratio	Lower	Upper
168	100		
75	115.4	32.2	48.2#

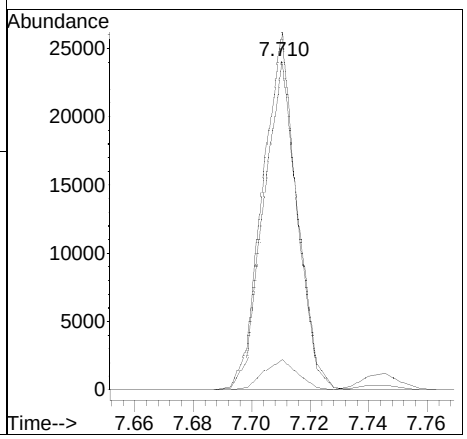


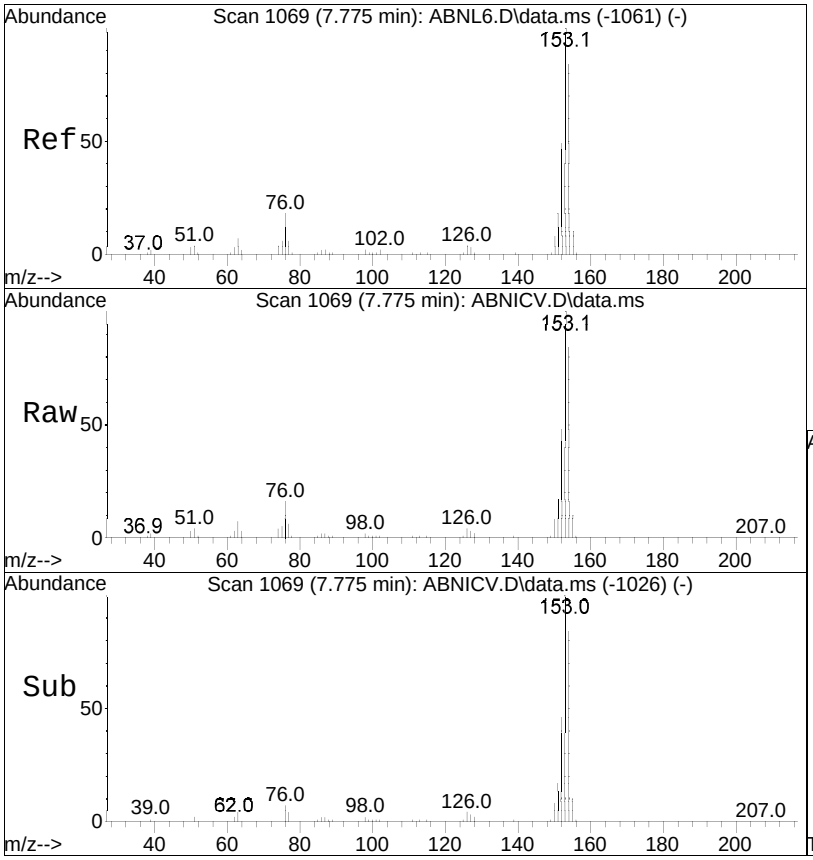


#64
3-Nitroaniline
Concen: 4.92 ug/ml
RT: 7.710 min Scan# 1058
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

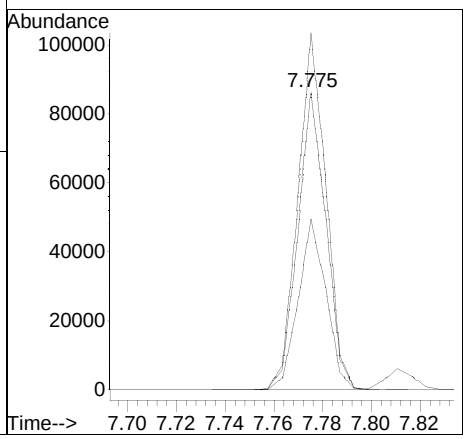


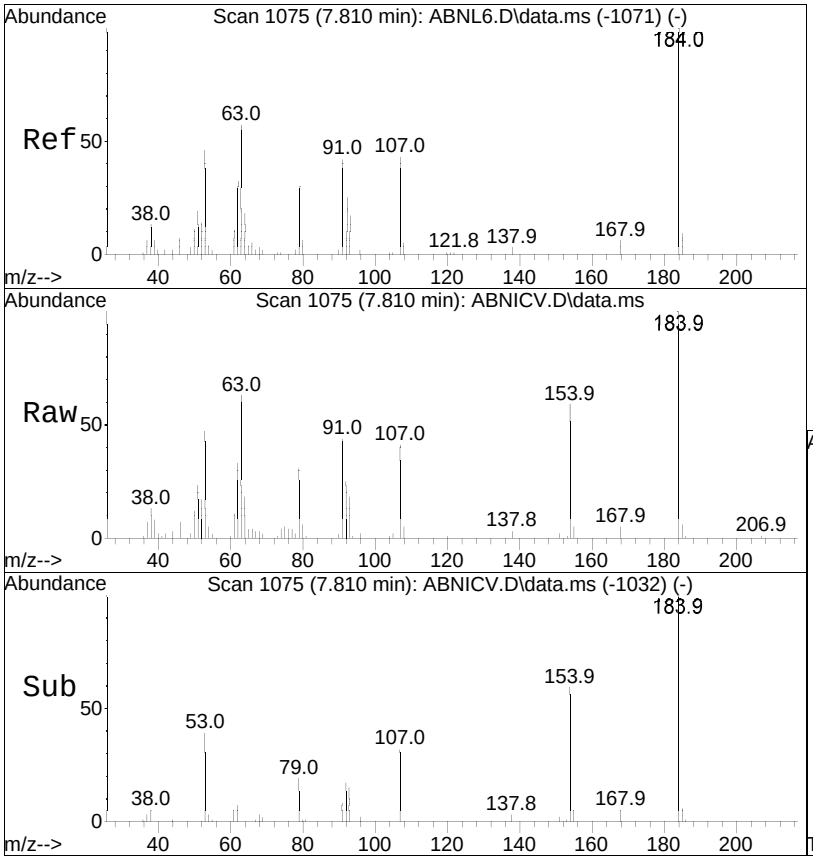


#65
Acenaphthene
Concen: 4.70 ug/ml
RT: 7.775 min Scan# 1069
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

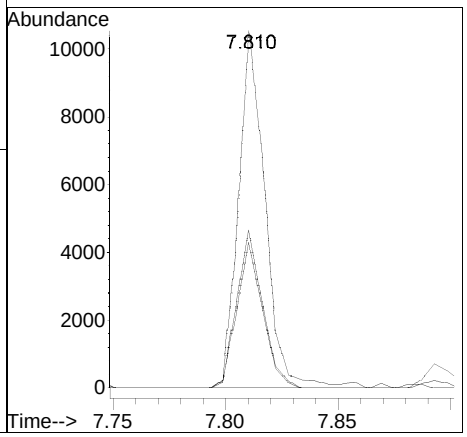


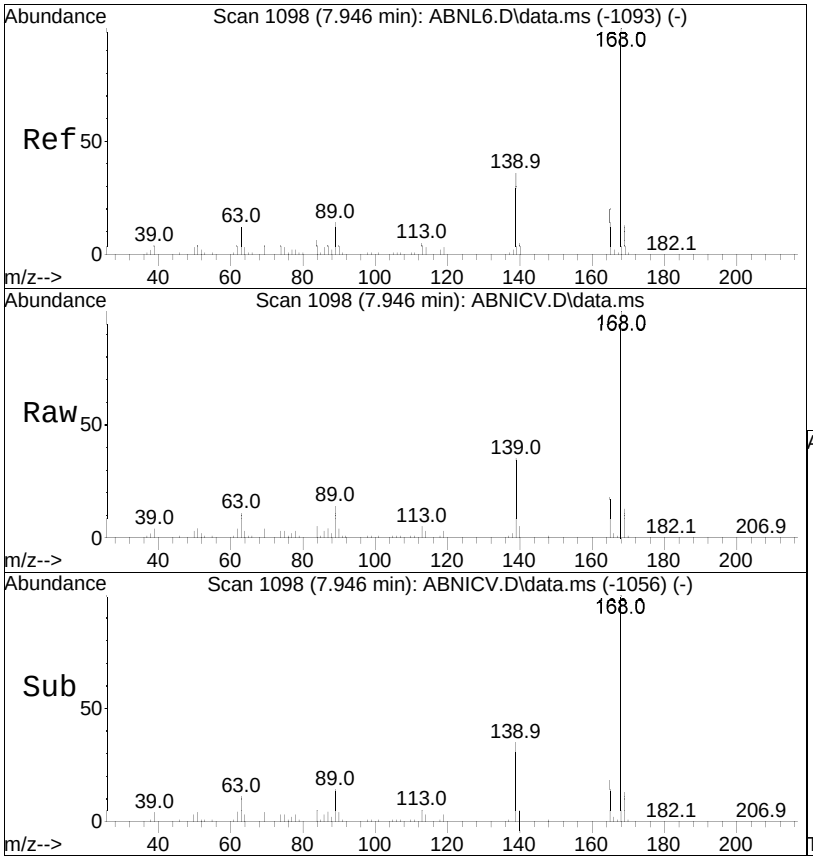


#66
2,4-Dinitrophenol
Concen: 4.10 ug/ml
RT: 7.810 min Scan# 1075
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

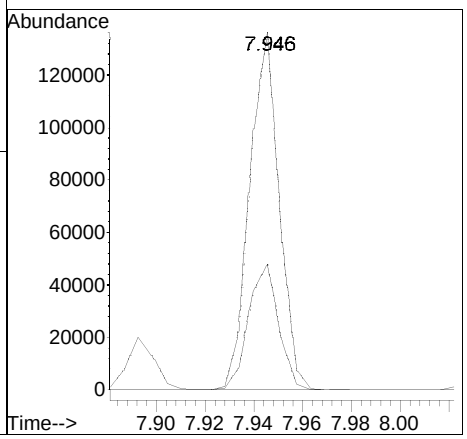


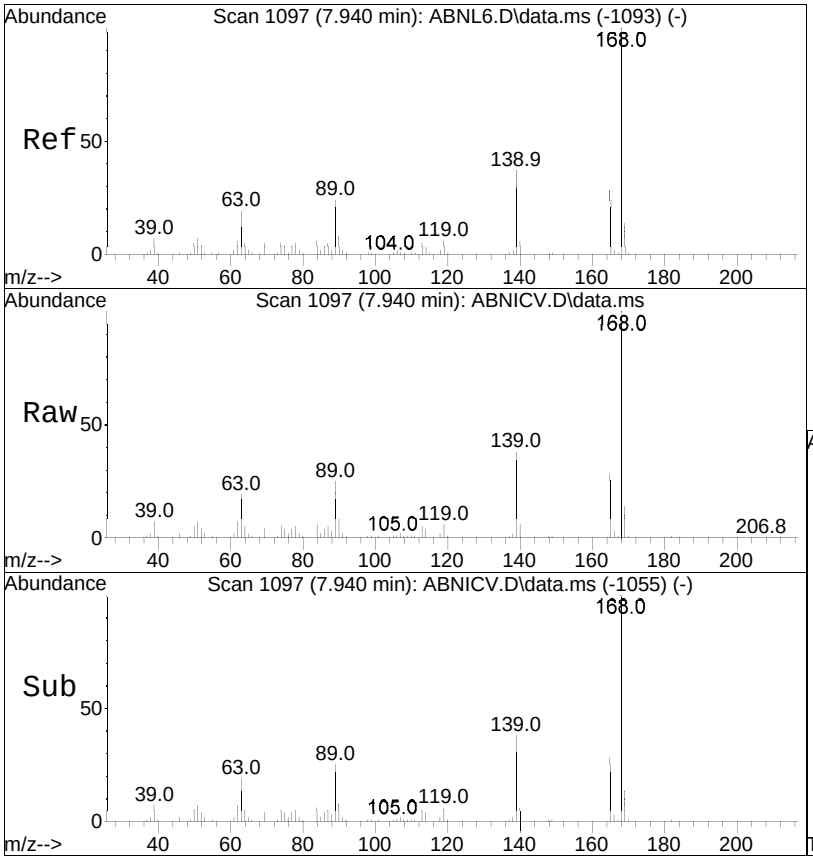


#67
Dibenzofuran
Concen: 4.68 ug/ml
RT: 7.946 min Scan# 1098
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 113504

Ion	Ratio	Lower	Upper
168	100		
139	35.9	32.3	48.5

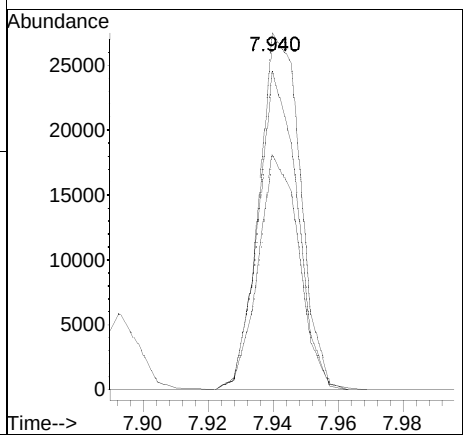


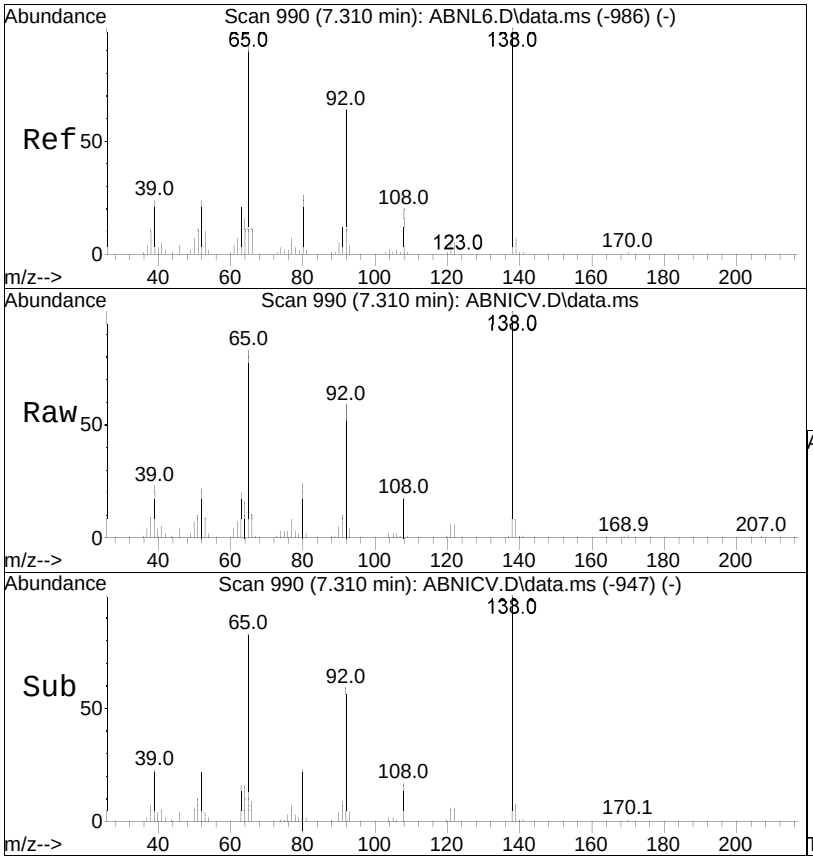


#68
2,4-Dinitrotoluene
Concen: 4.78 ug/ml
RT: 7.940 min Scan# 1097
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

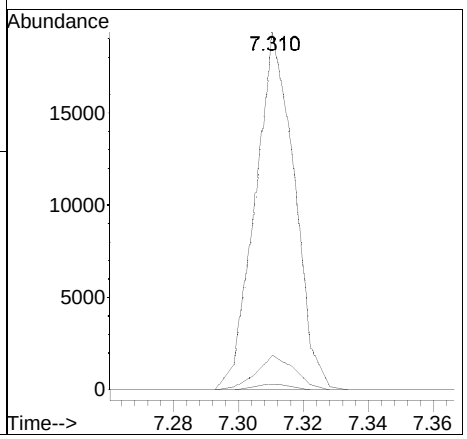


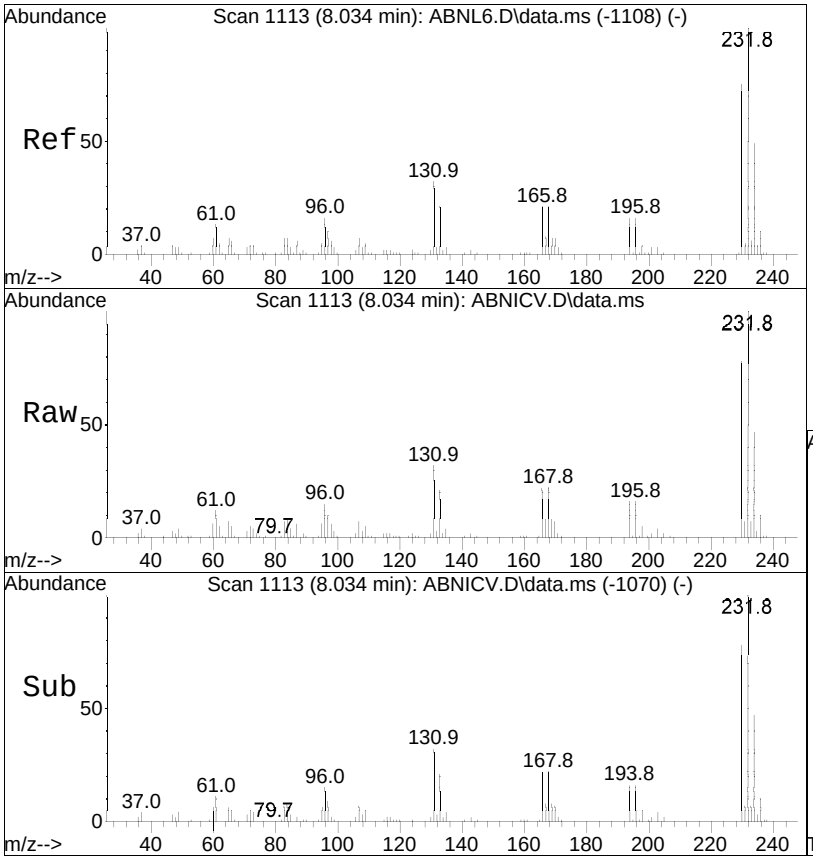


#69
4-Nitrophenol
Concen: 4.20 ug/ml
RT: 7.310 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

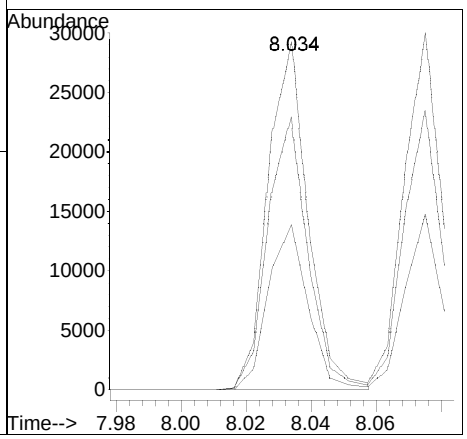


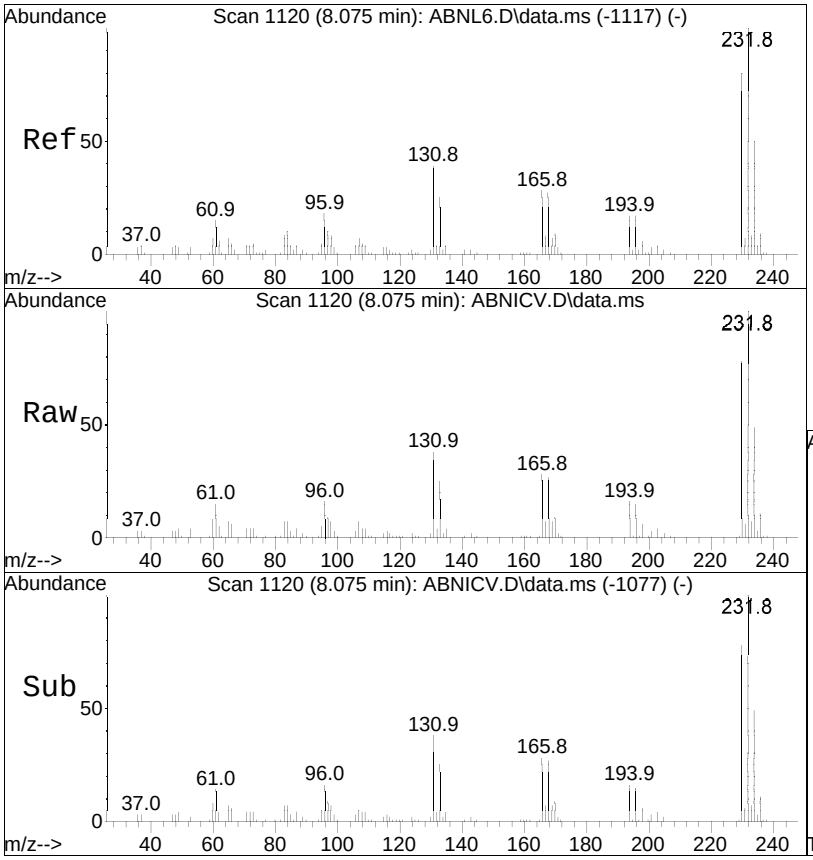


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.06 ug/ml
RT: 8.034 min Scan# 1113
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

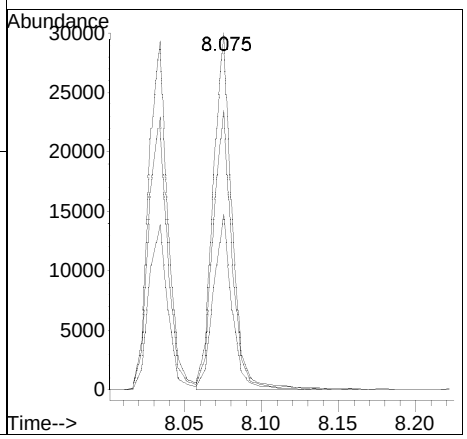


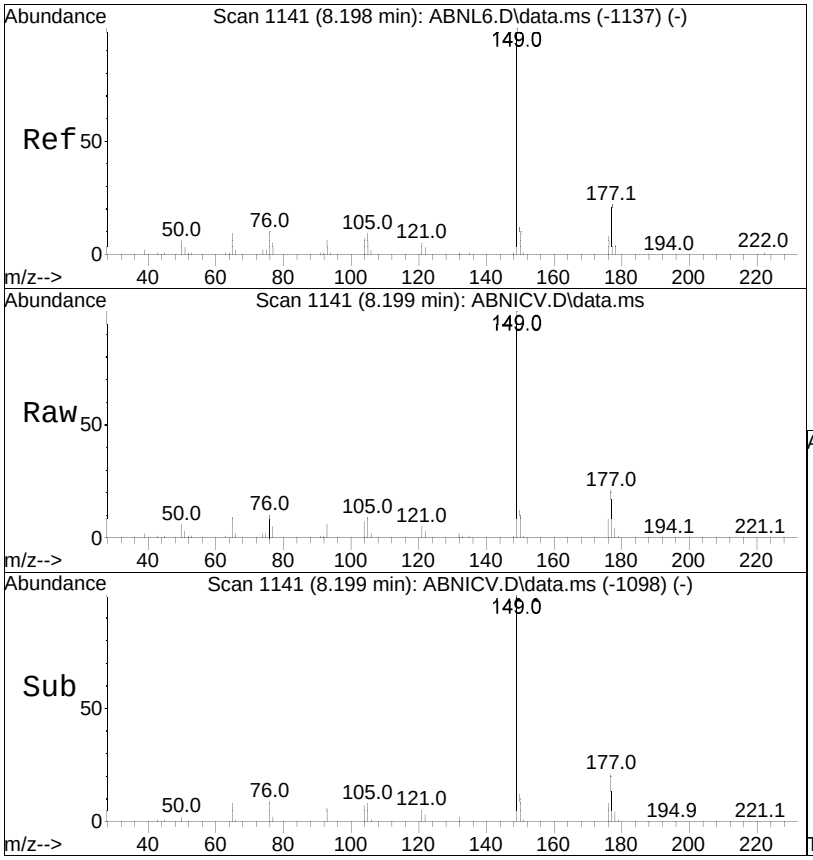


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.30 ug/ml
RT: 8.075 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

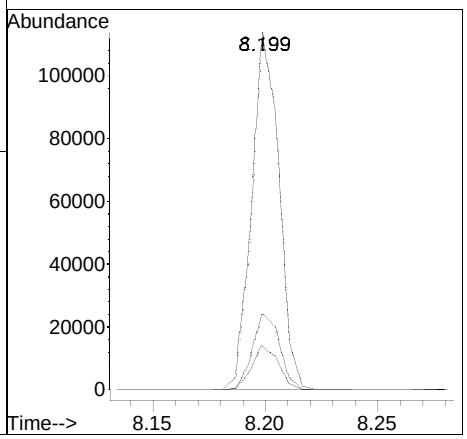


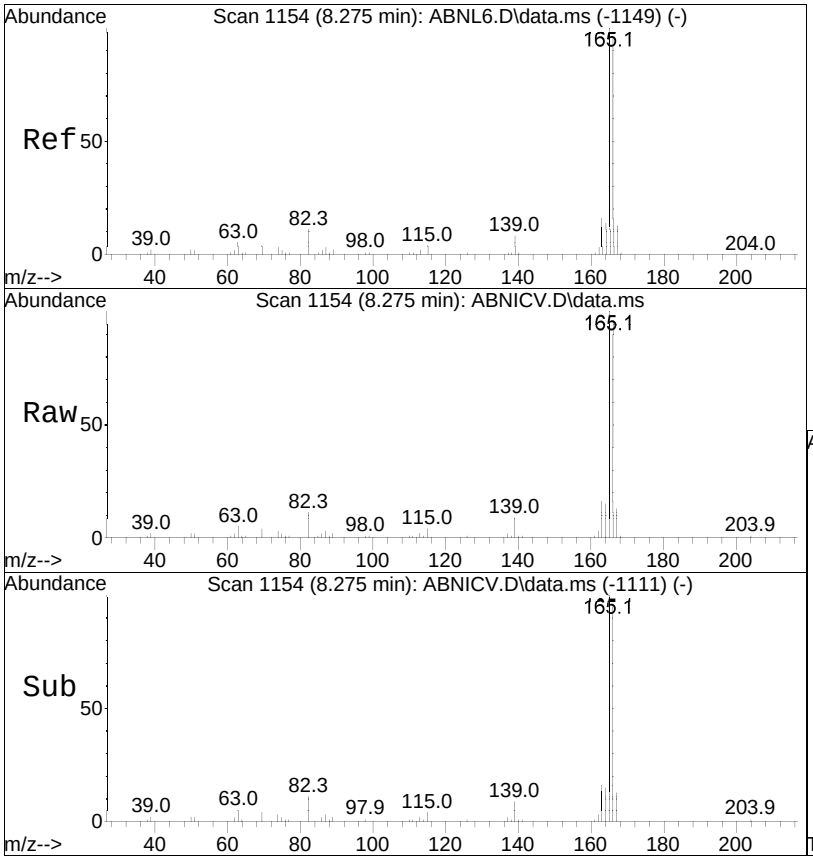


#72
Diethyl phthalate
Concen: 4.82 ug/ml
RT: 8.199 min Scan# 1141
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

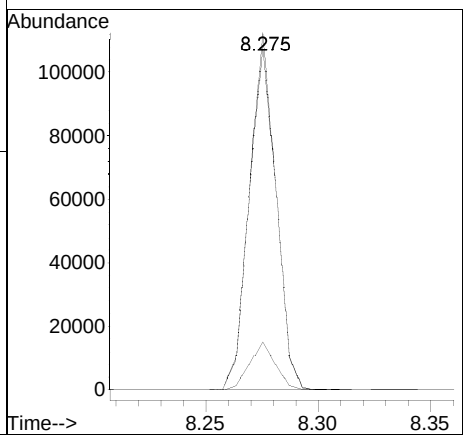


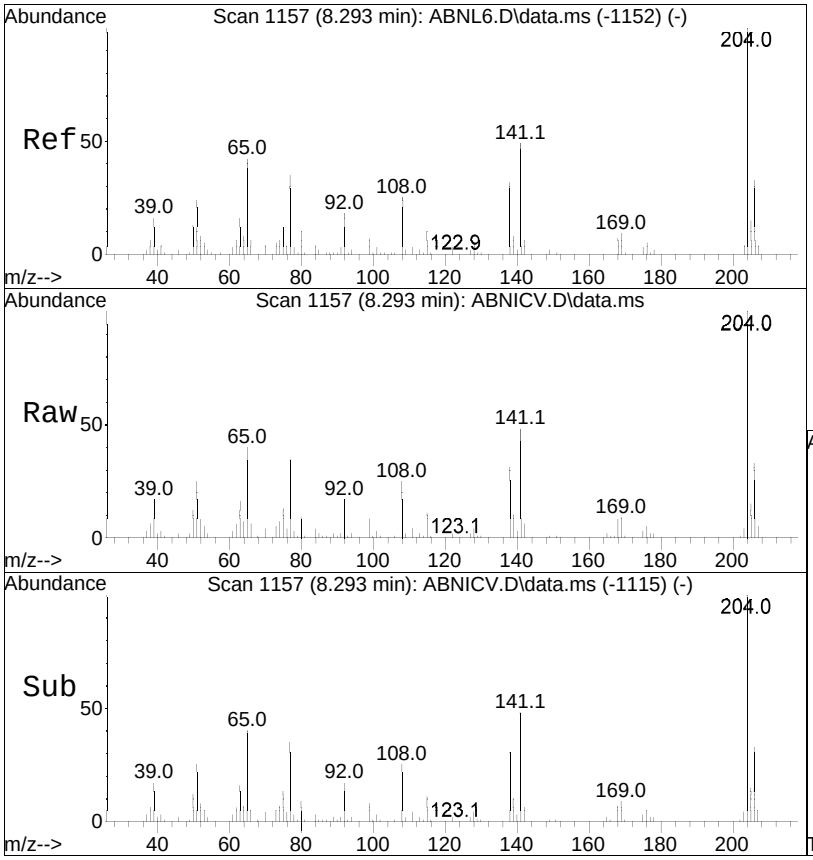


#73
Fluorene
Concen: 4.79 ug/ml
RT: 8.275 min Scan# 1154
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

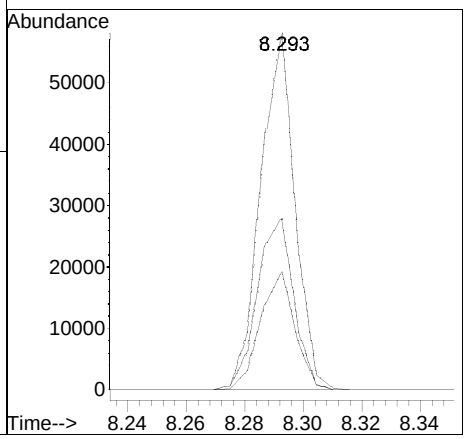


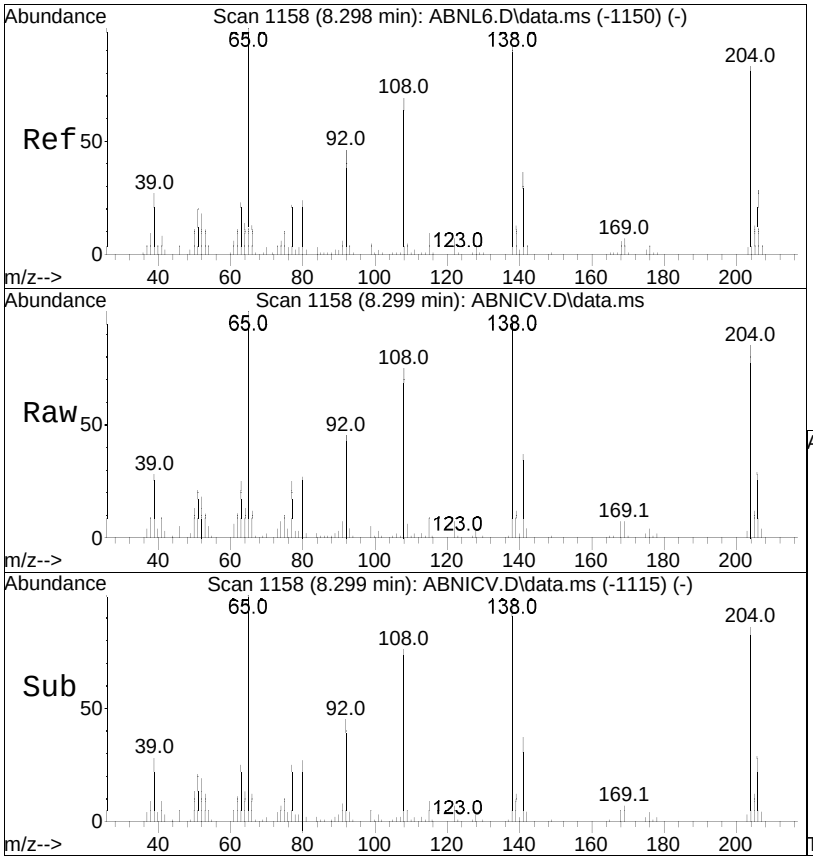


#74
4-Chlorophenyl phenyl ether
Concen: 4.55 ug/ml
RT: 8.293 min Scan# 1157
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

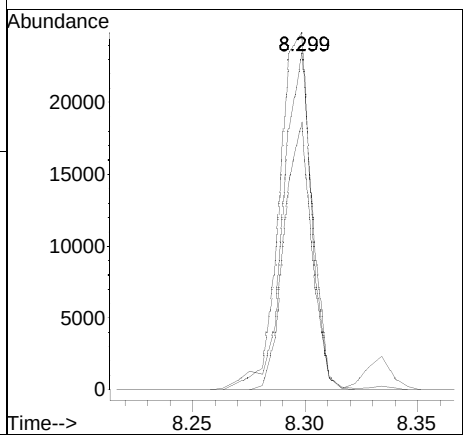


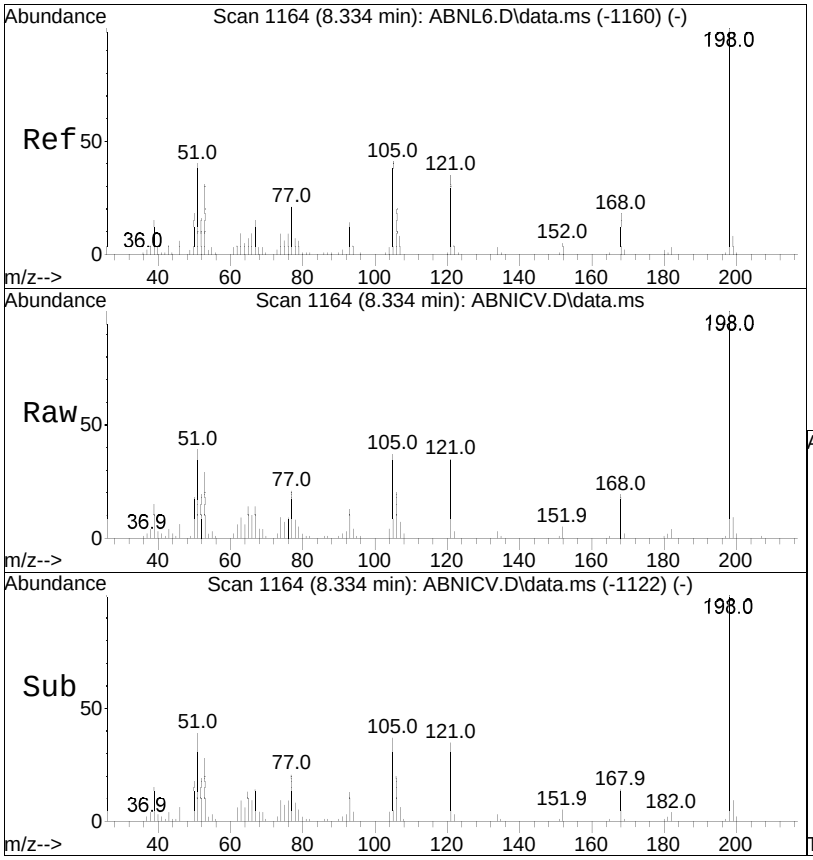


#75
4-Nitroaniline
Concen: 5.09 ug/ml
RT: 8.299 min Scan# 1158
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

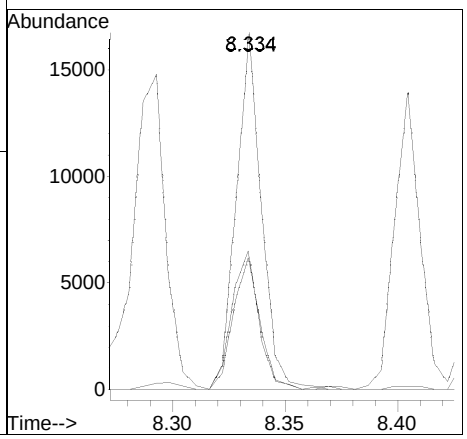


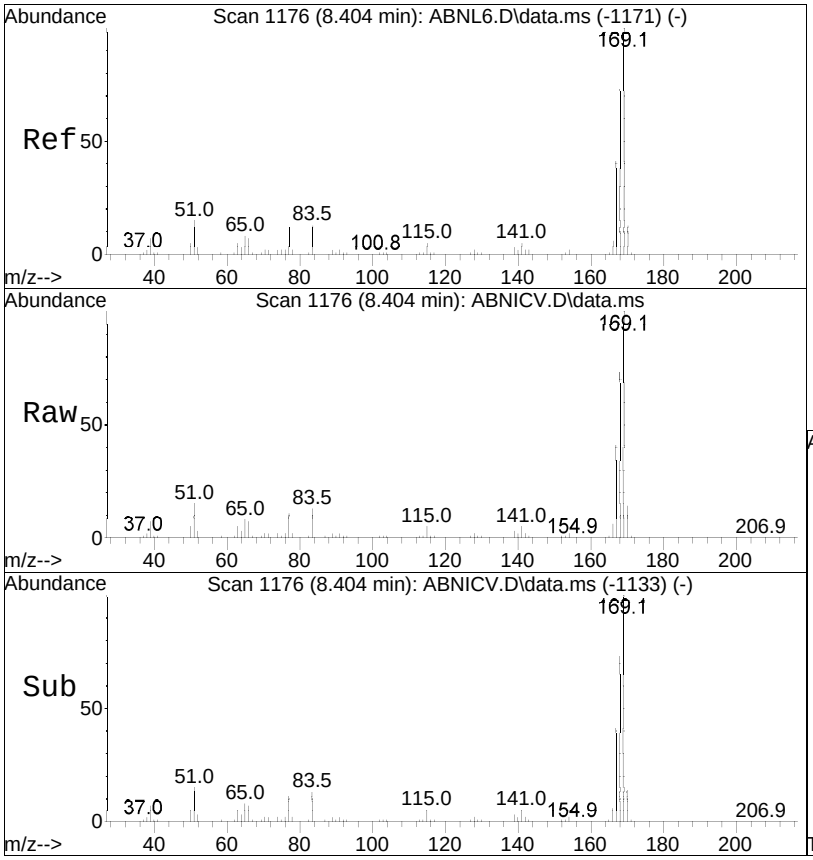


#76
4,6-Dinitro-o-cresol
Concen: 4.08 ug/ml
RT: 8.334 min Scan# 1164
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

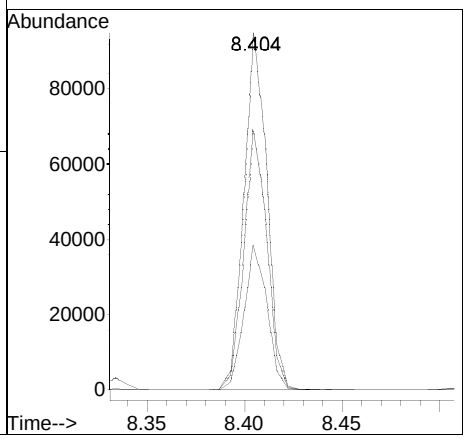


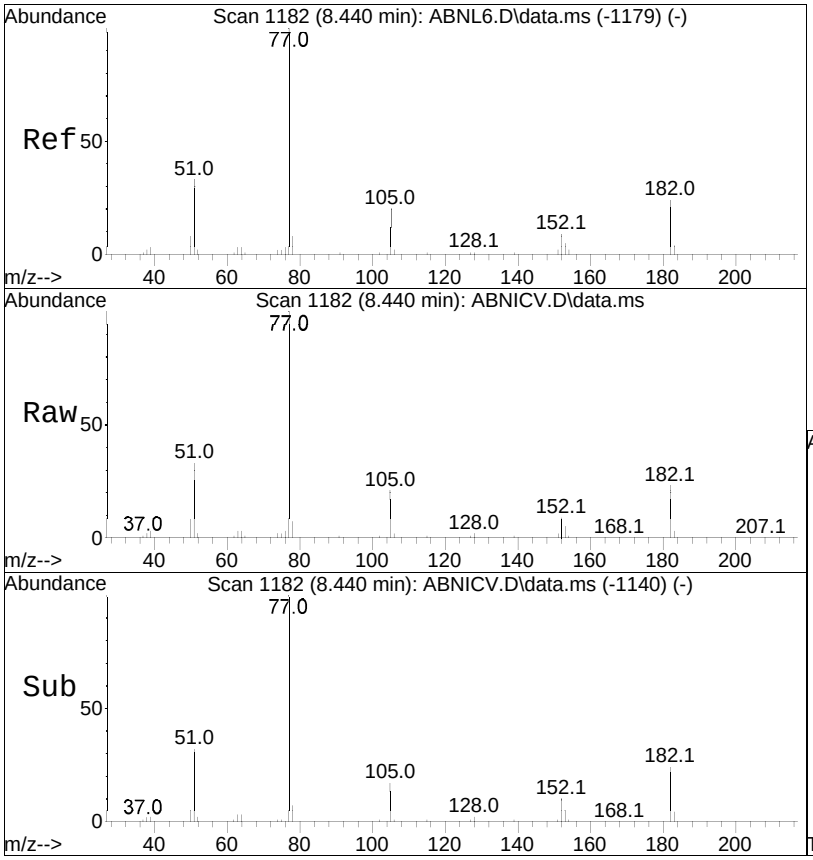


#77
NDPA/DPA
Concen: 4.78 ug/ml
RT: 8.404 min Scan# 1176
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

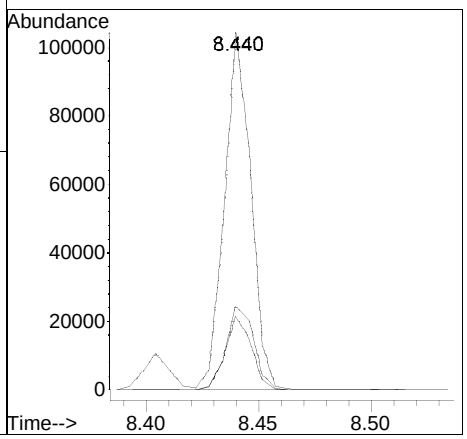


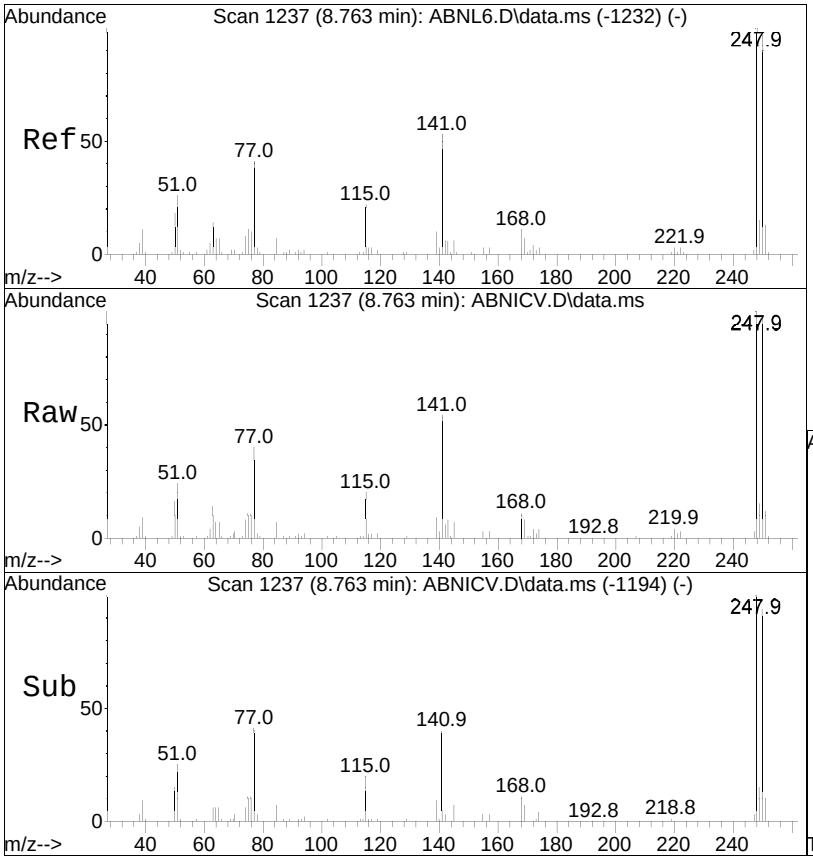


#78
Azobenzene
Concen: 4.87 ug/ml
RT: 8.440 min Scan# 1182
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

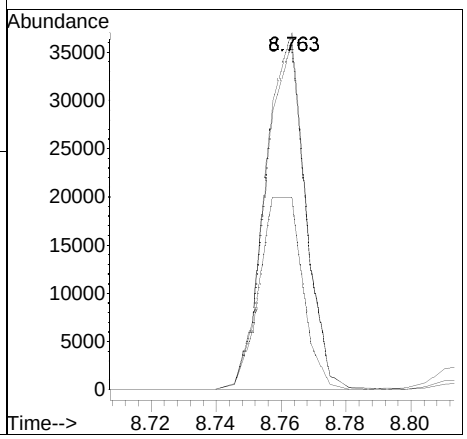


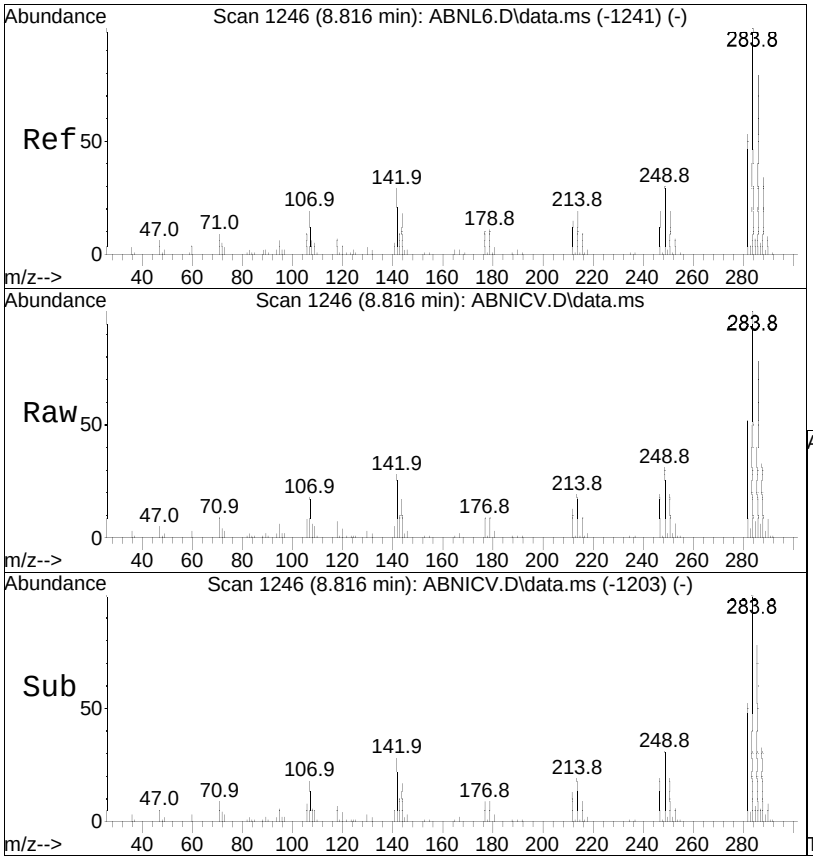


#80
4-Bromophenyl phenyl ether
Concen: 4.77 ug/ml
RT: 8.763 min Scan# 1237
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

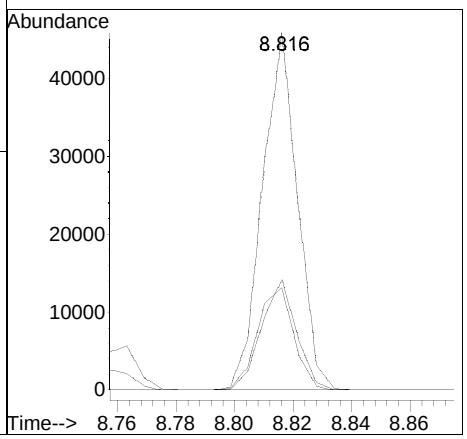


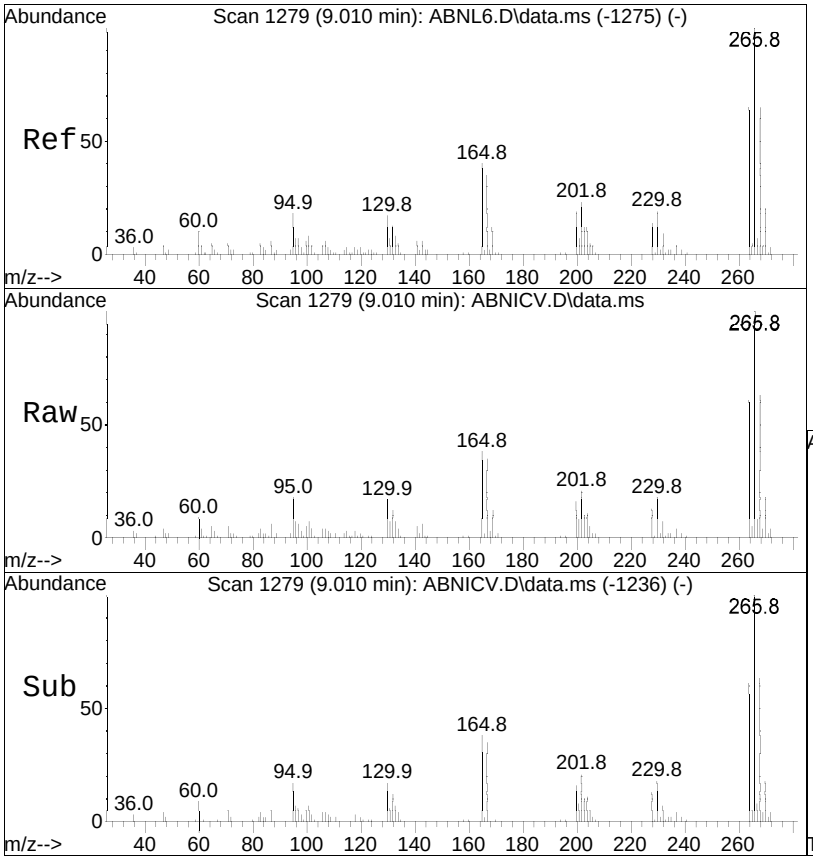


#81
Hexachlorobenzene
Concen: 4.59 ug/ml
RT: 8.816 min Scan# 1246
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

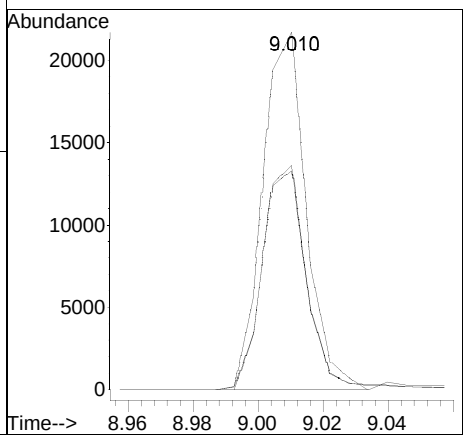


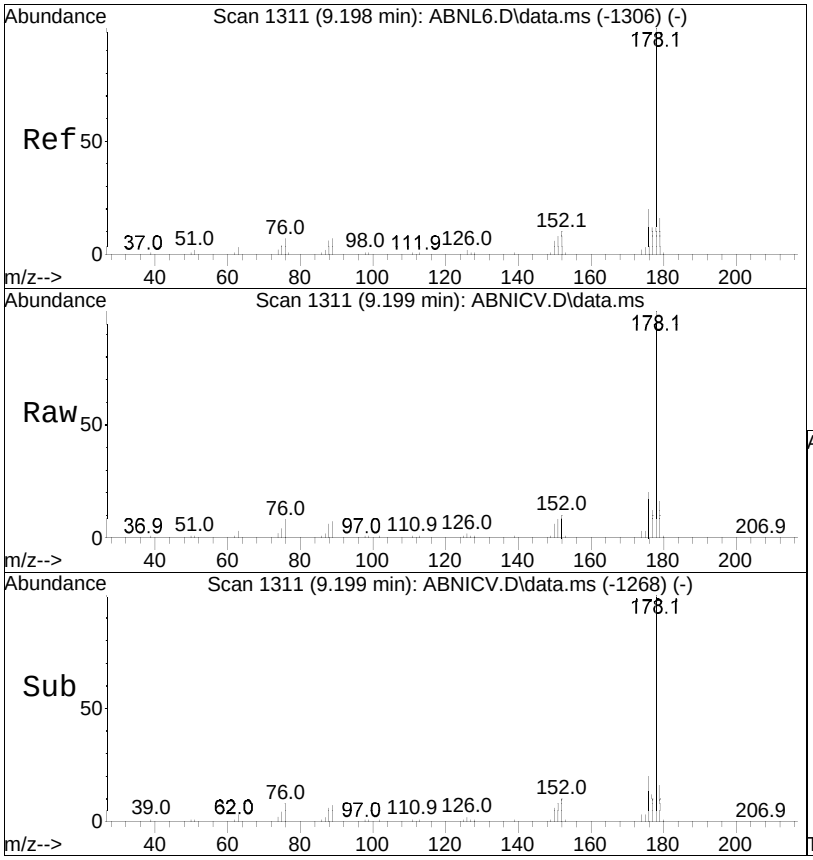


#82
Pentachlorophenol
Concen: 4.72 ug/ml
RT: 9.010 min Scan# 1279
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

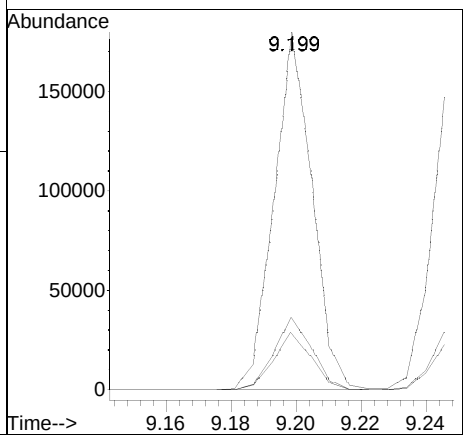


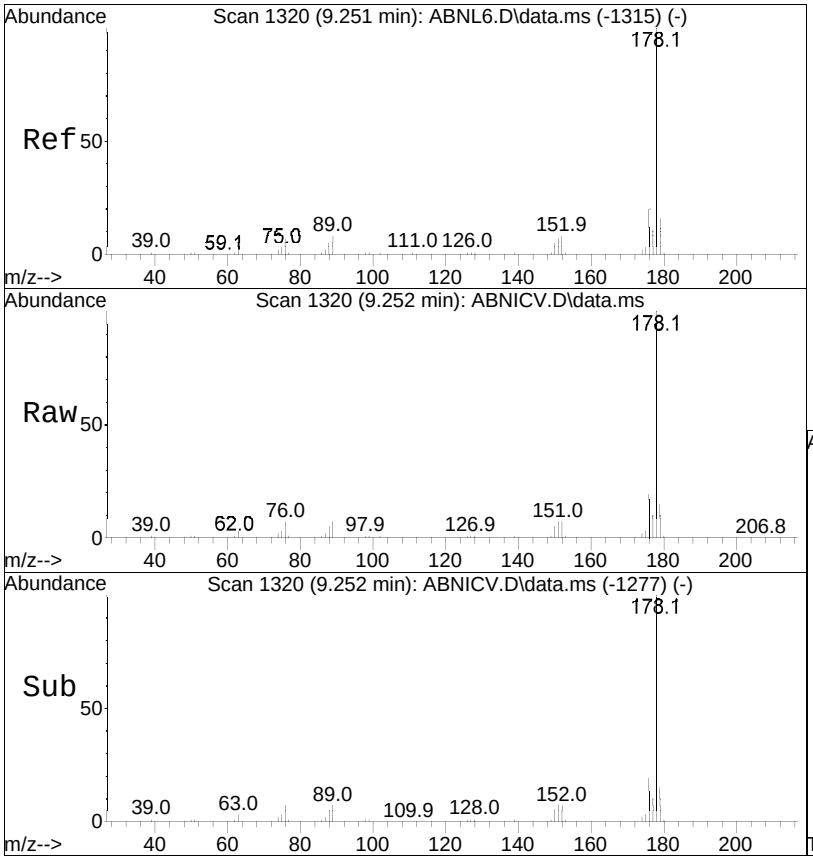


#89
Phenanthrene
Concen: 4.73 ug/ml
RT: 9.199 min Scan# 1311
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

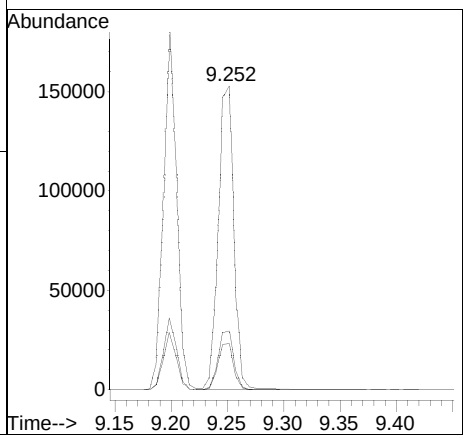


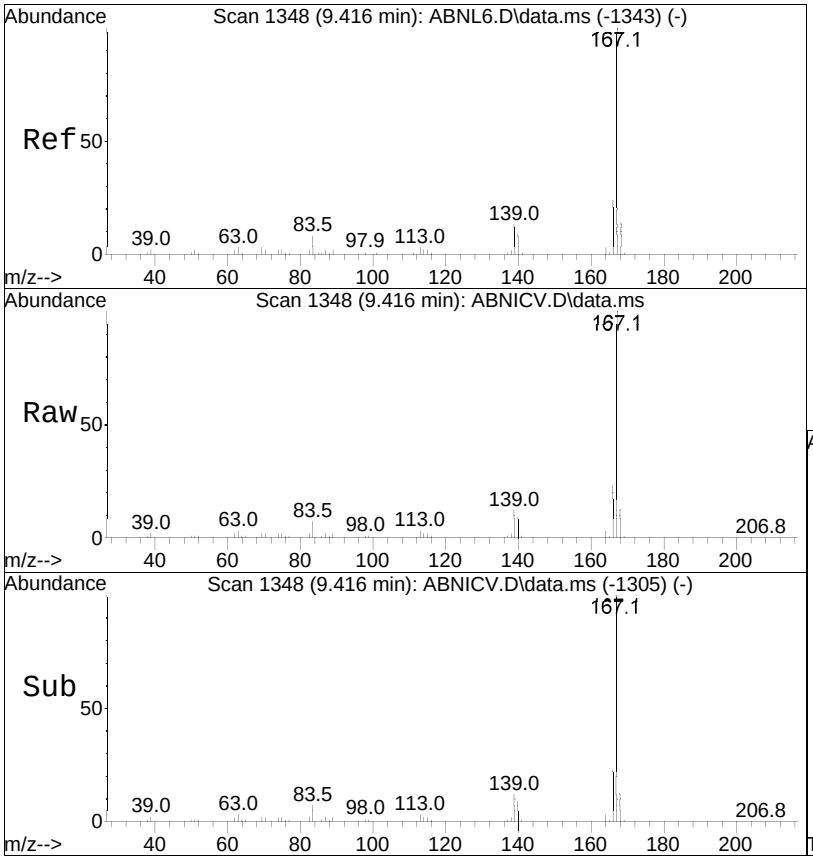


#90
Anthracene
Concen: 4.88 ug/ml
RT: 9.252 min Scan# 1320
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

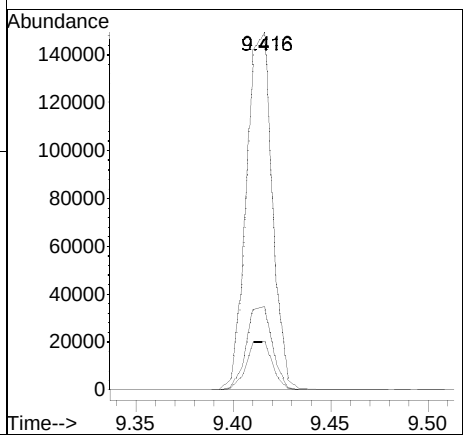


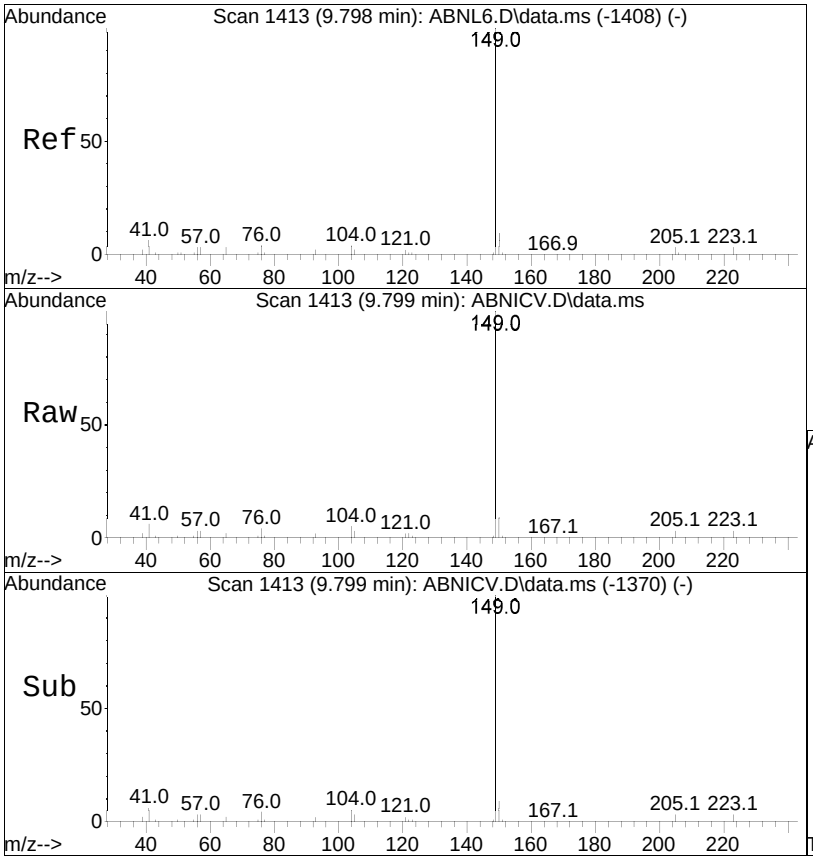


#91
Carbazole
Concen: 4.94 ug/ml
RT: 9.416 min Scan# 1348
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

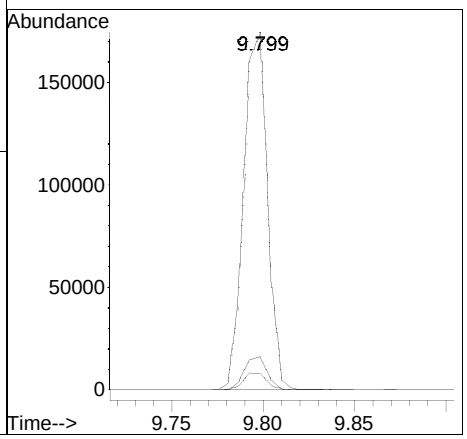


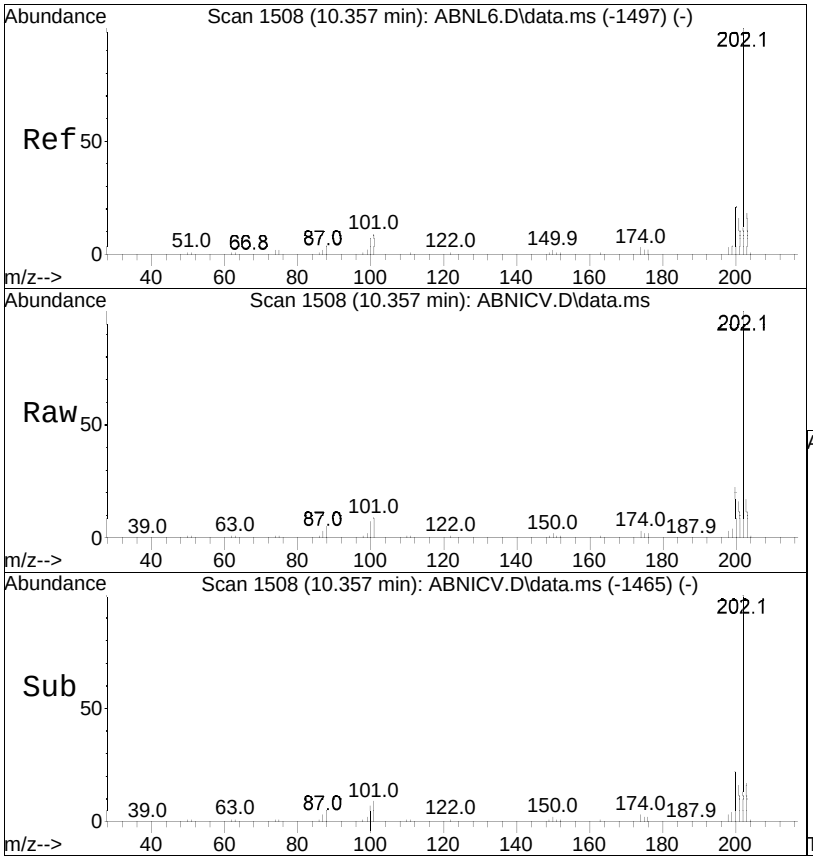


#92
Di-n-butylphthalate
Concen: 5.16 ug/ml
RT: 9.799 min Scan# 1413
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

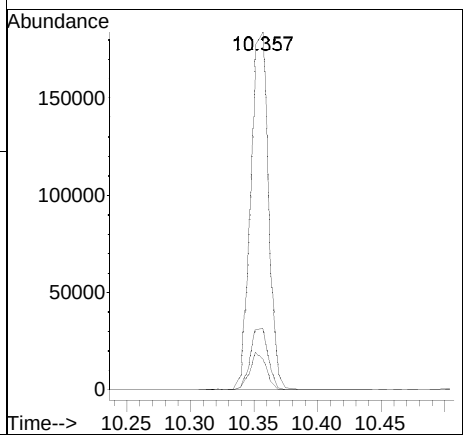


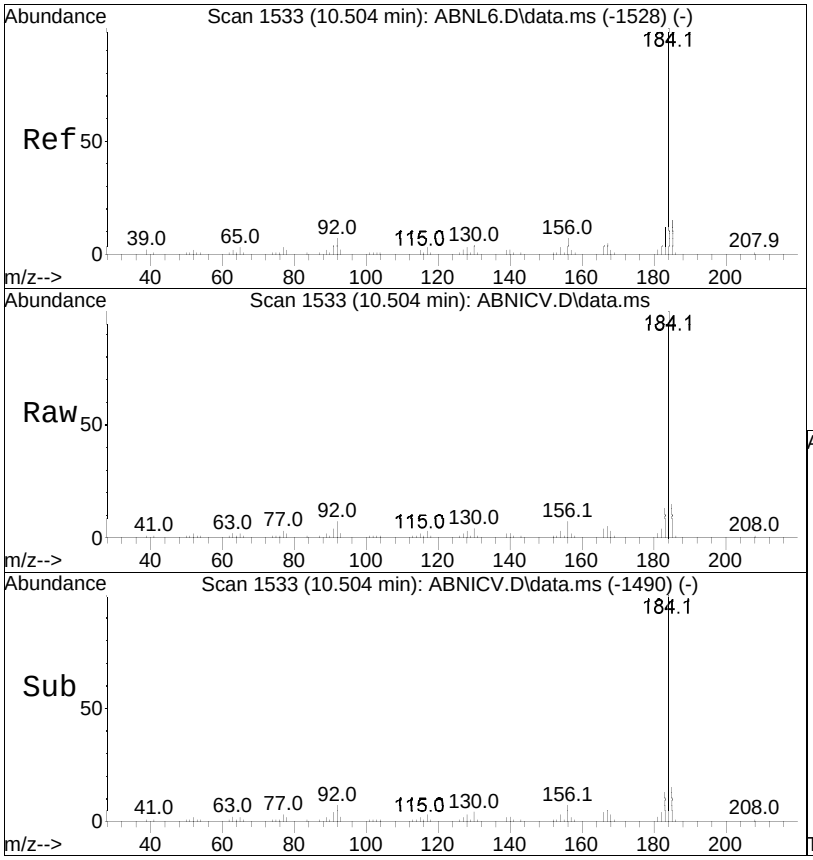


#93
Fluoranthene
Concen: 4.97 ug/ml M3
RT: 10.357 min Scan# 1508
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

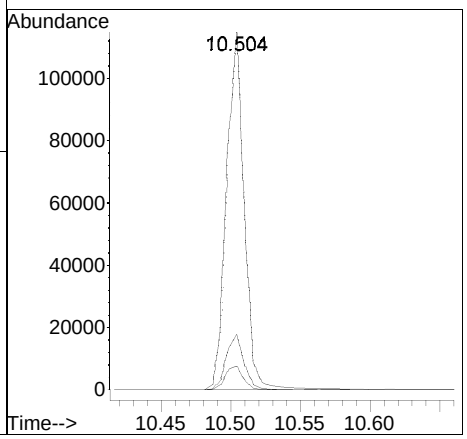


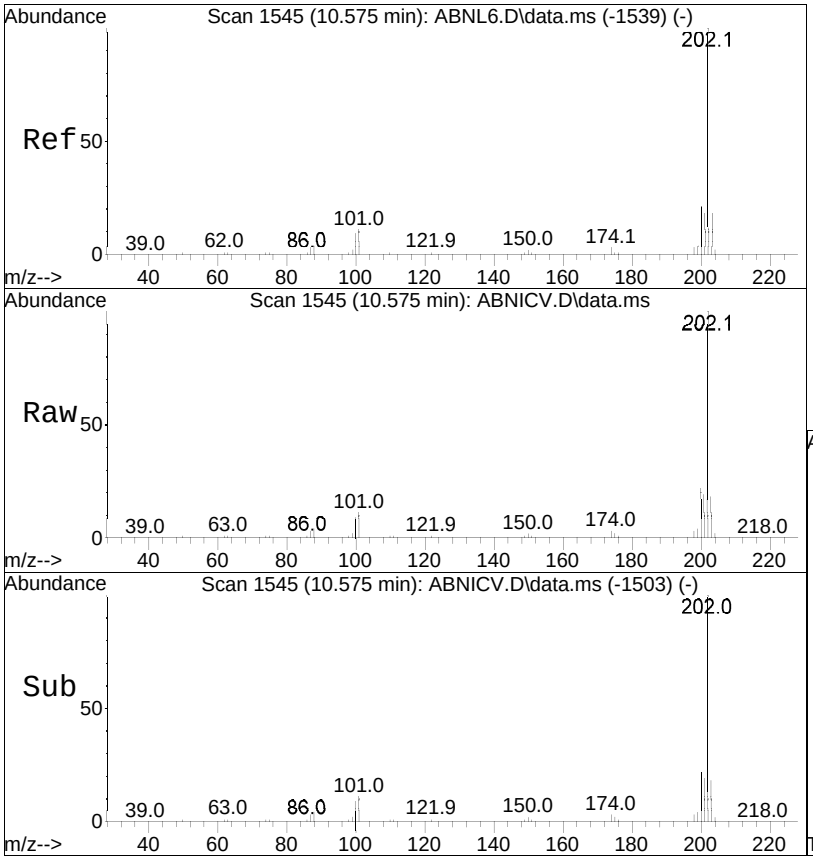


#94
Benzidine
Concen: 5.07 ug/ml
RT: 10.504 min Scan# 1533
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

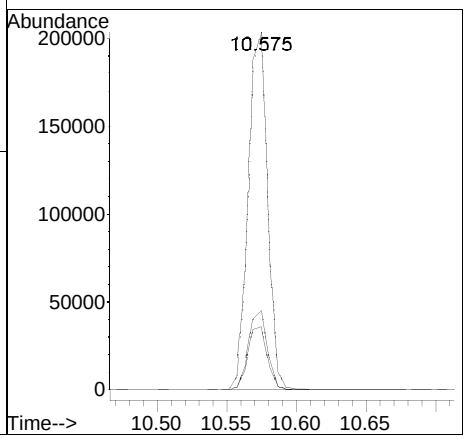


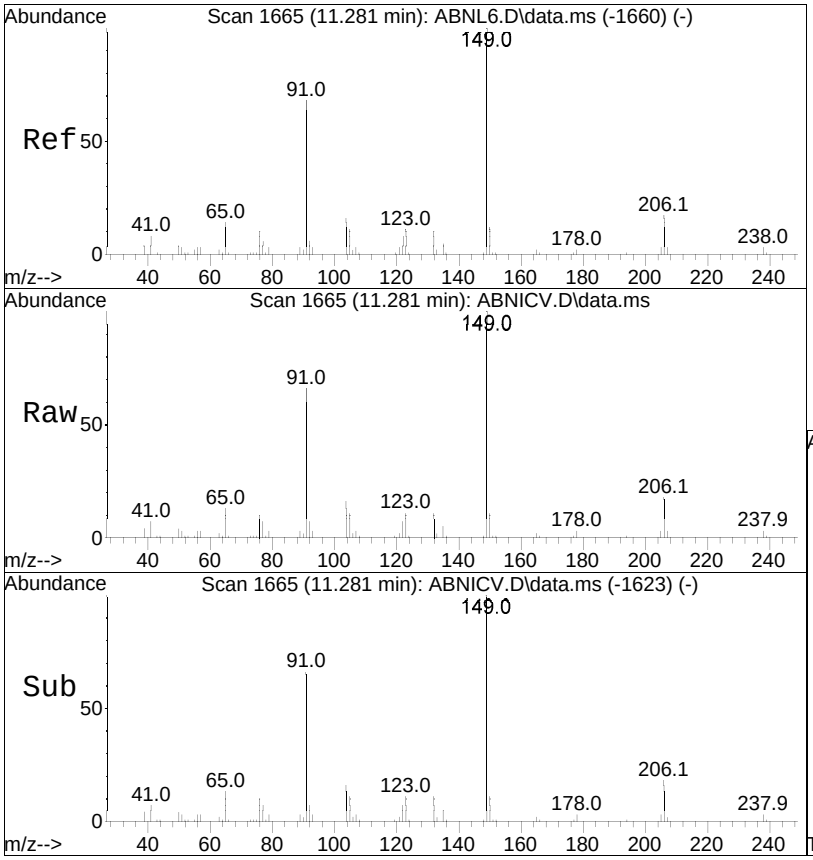


#95
Pyrene
Concen: 5.12 ug/ml
RT: 10.575 min Scan# 1545
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

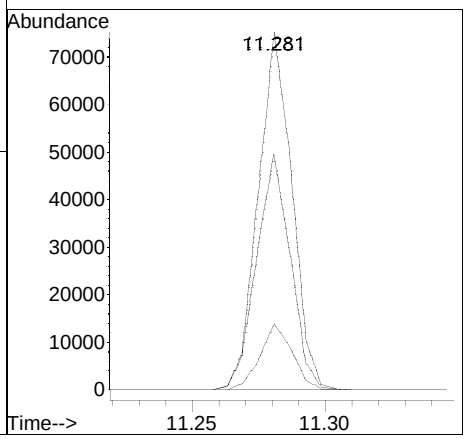


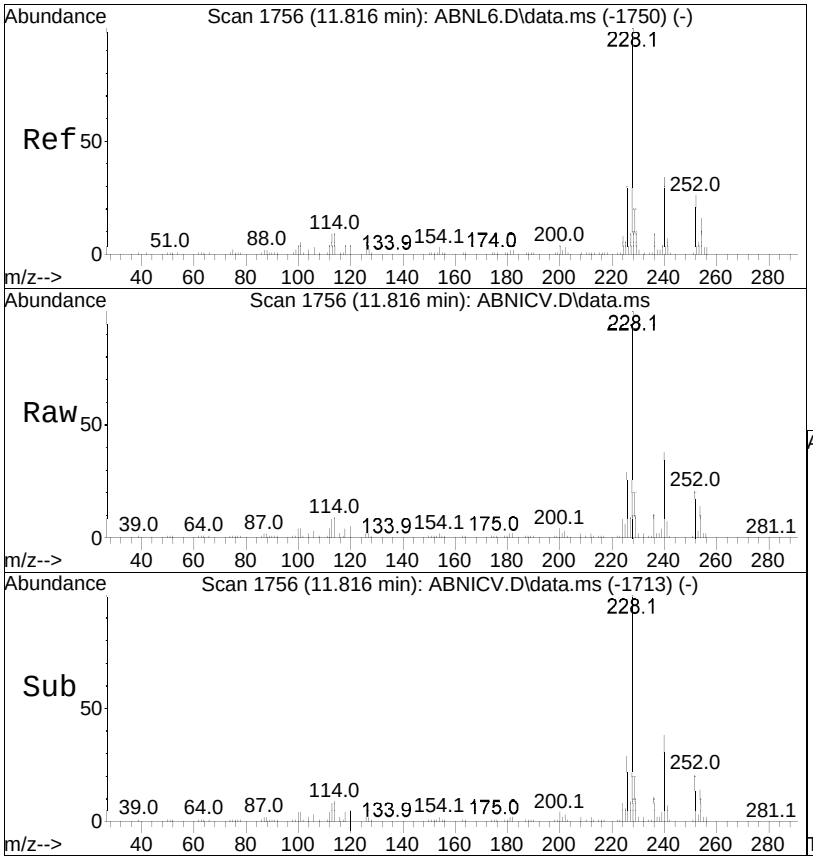


#97
Butyl benzyl phthalate
Concen: 4.89 ug/ml
RT: 11.281 min Scan# 1665
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

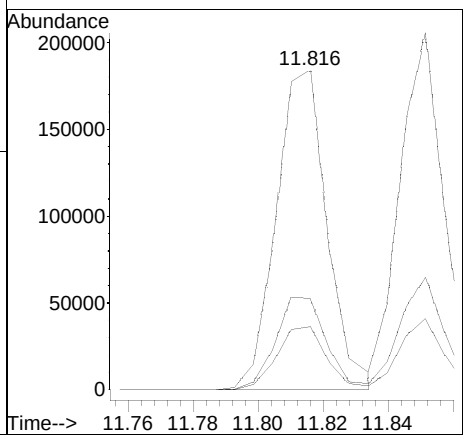


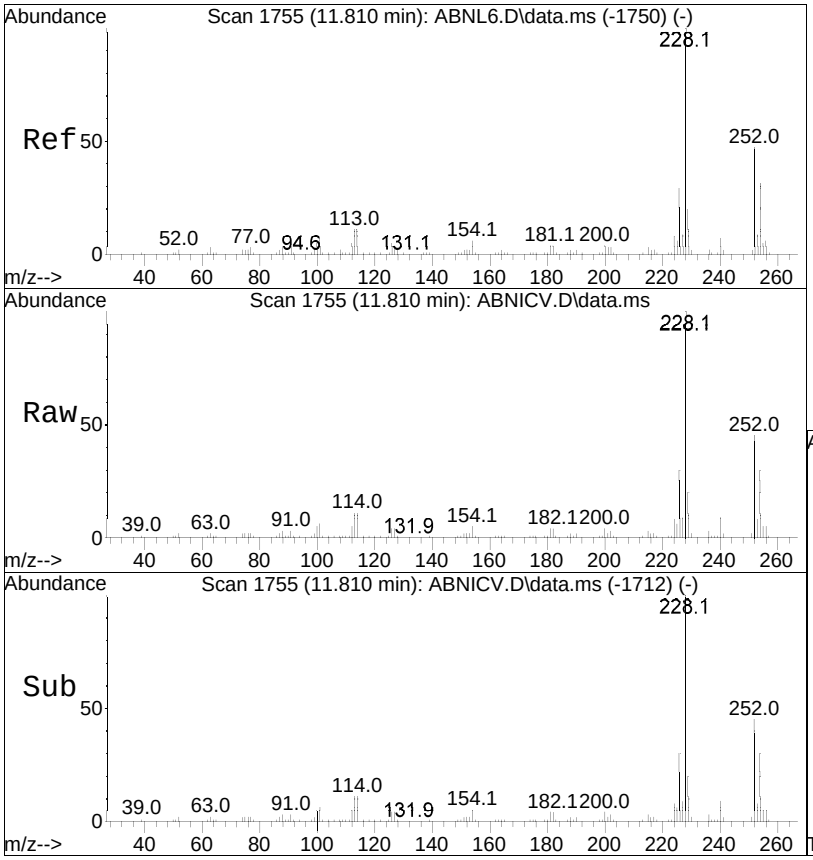


#105
Benzo(a)anthracene
Concen: 4.86 ug/ml
RT: 11.816 min Scan# 1756
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

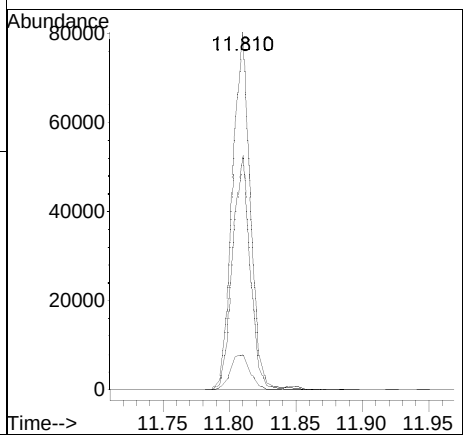


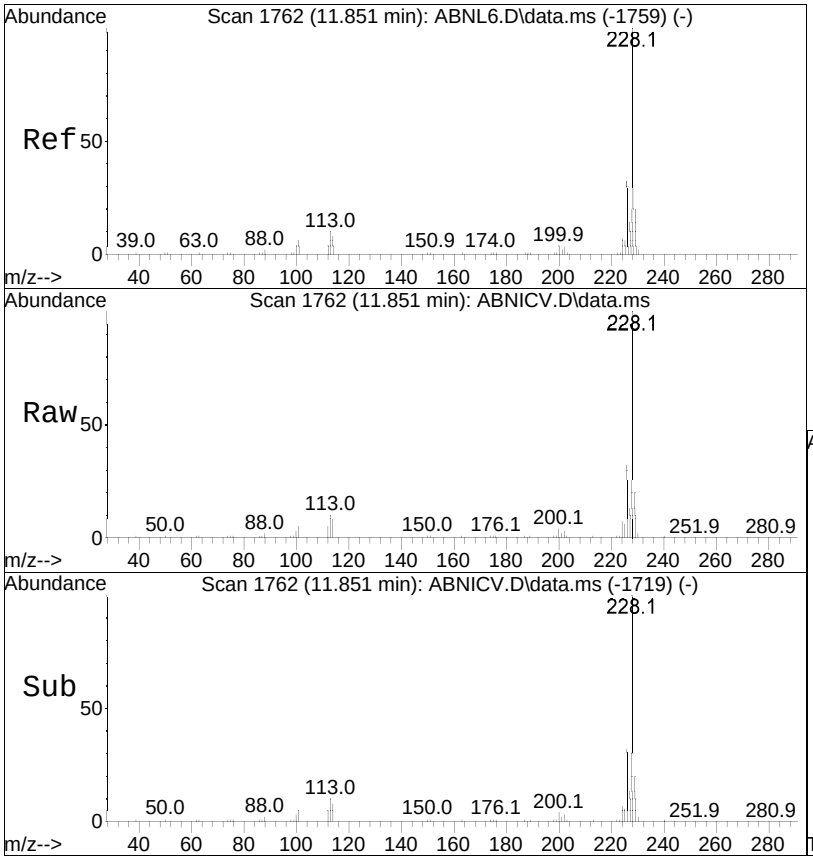


#106
3,3'-Dichlorobenzidine
Concen: 4.98 ug/ml
RT: 11.810 min Scan# 1755
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

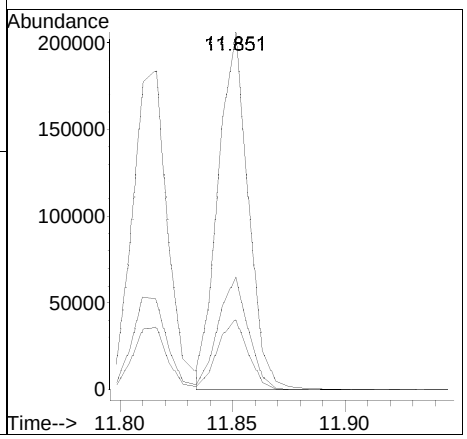


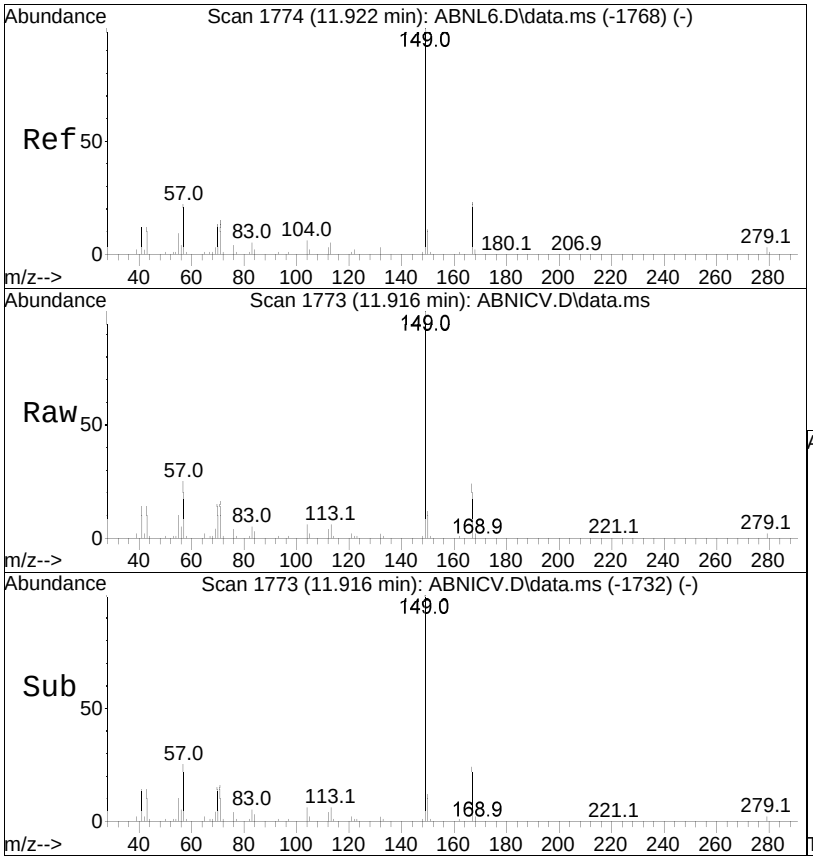


#107
Chrysene
Concen: 4.78 ug/ml
RT: 11.851 min Scan# 1762
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

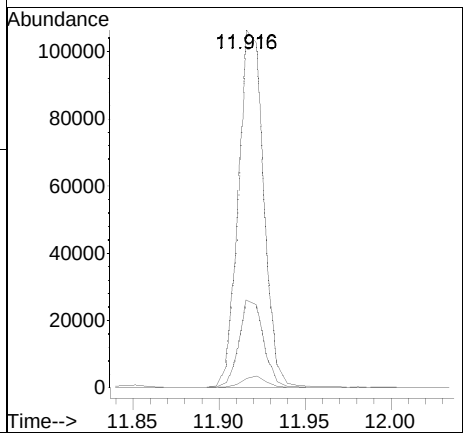


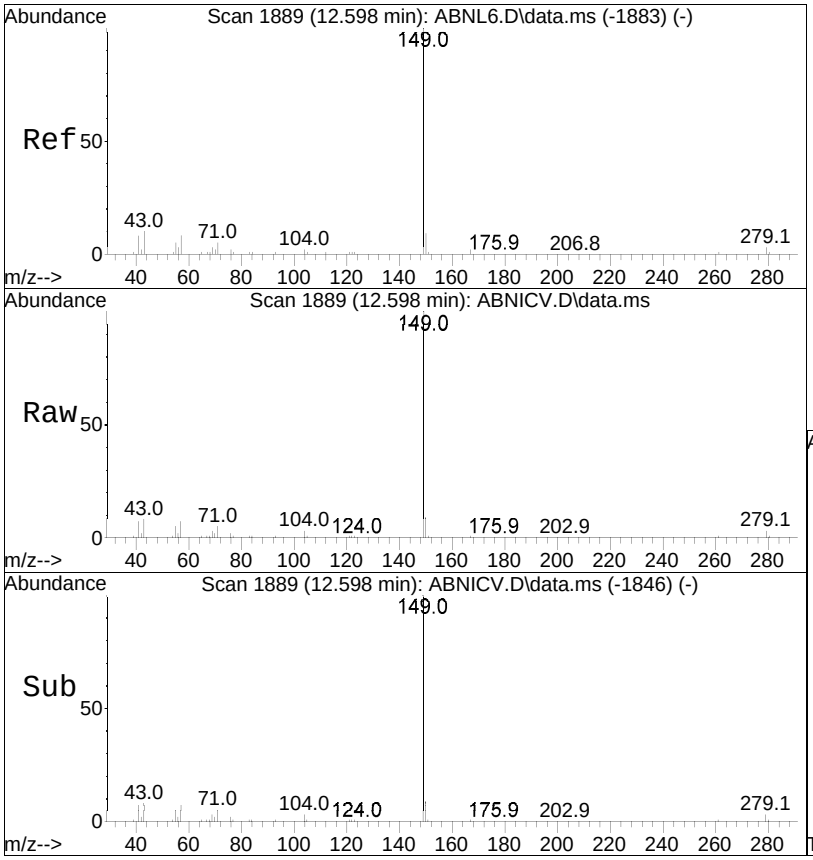


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.26 ug/ml
RT: 11.916 min Scan# 1773
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

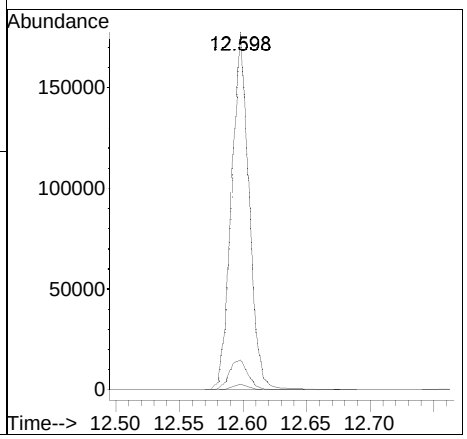


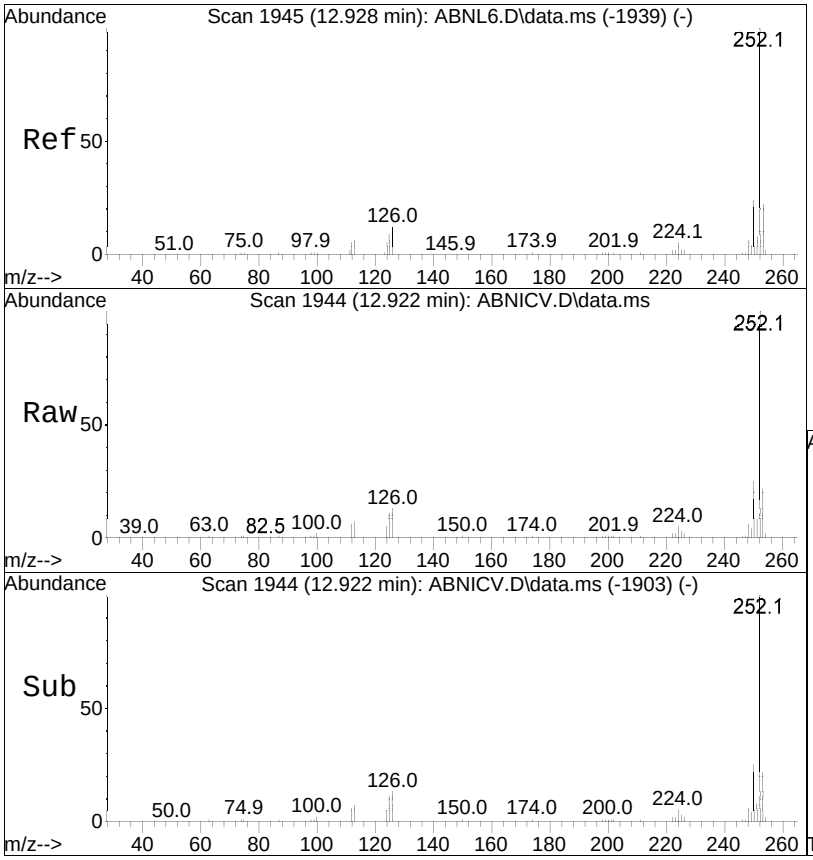


#109
Di-n-octylphthalate
Concen: 5.33 ug/ml
RT: 12.598 min Scan# 1889
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

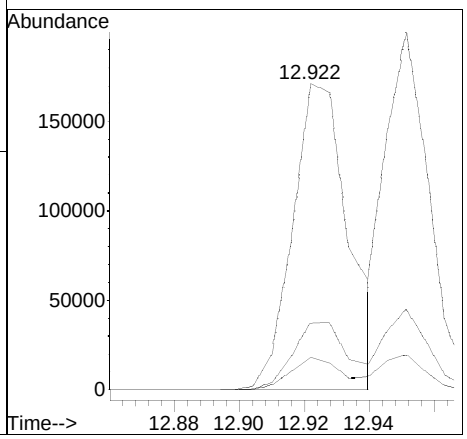


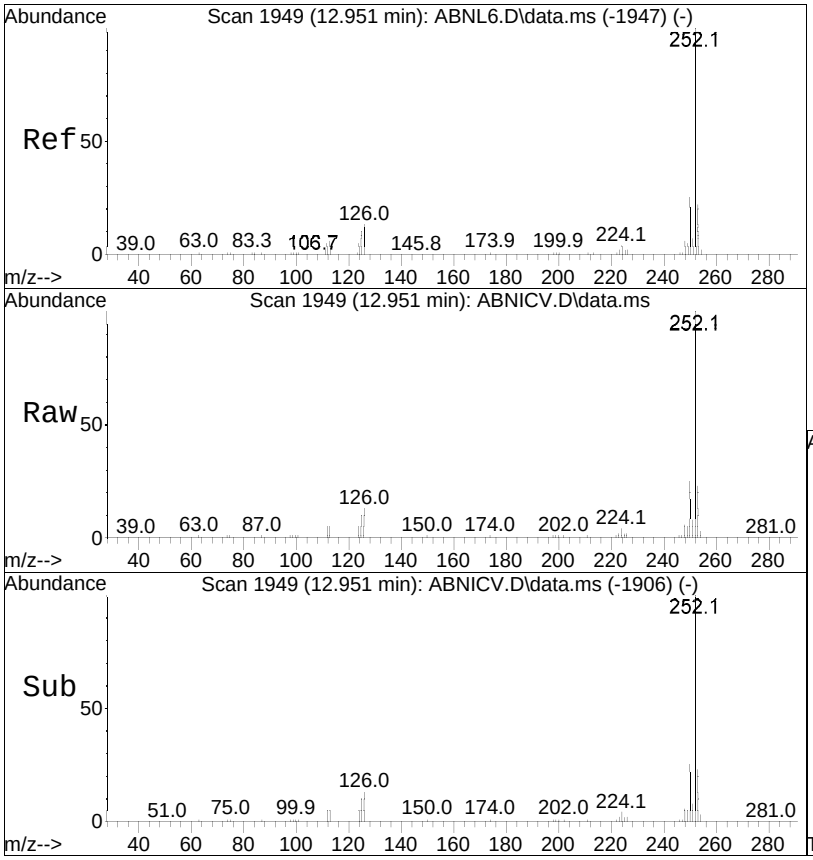


#110
Benzo(b)fluoranthene
Concen: 4.90 ug/ml
RT: 12.922 min Scan# 1944
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

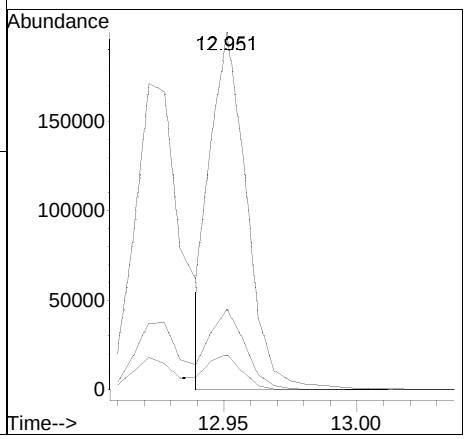


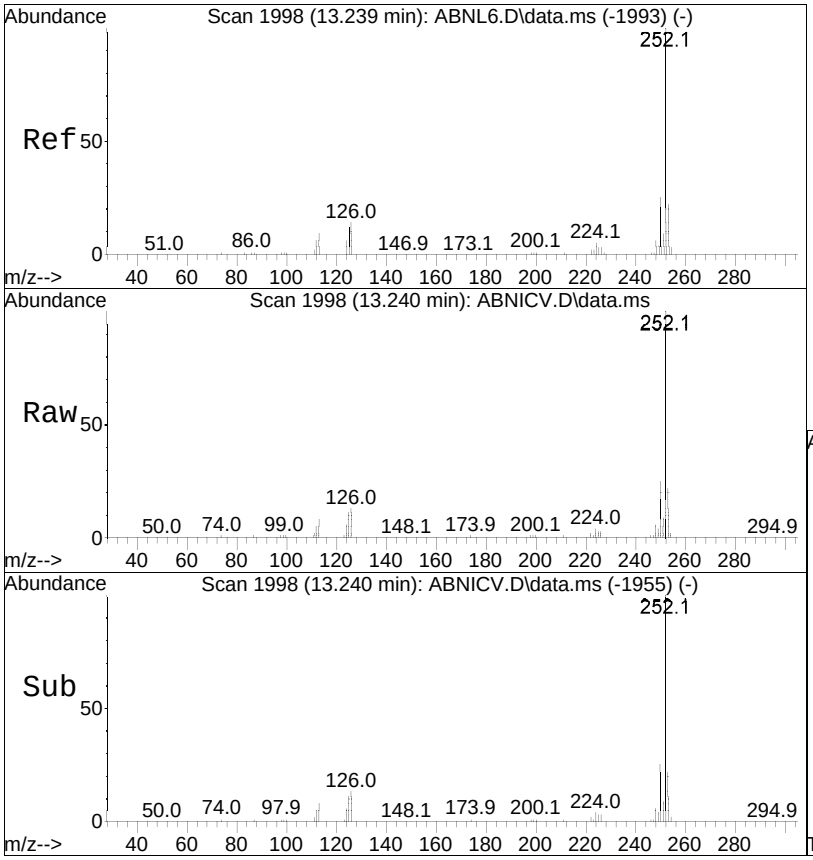


#111
Benzo(k)fluoranthene
Concen: 4.94 ug/ml M3
RT: 12.951 min Scan# 1949
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

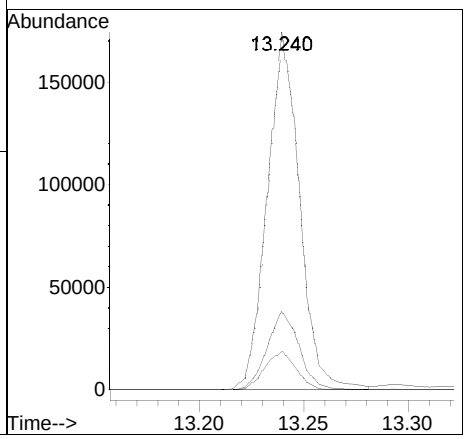


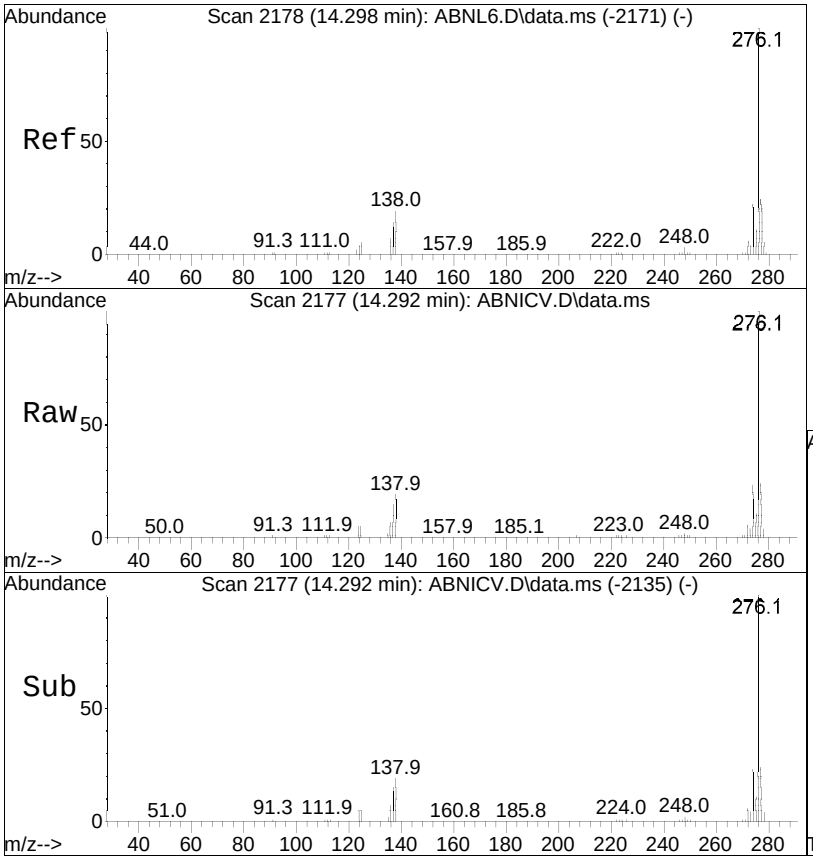


#112
Benzo(a)pyrene
Concen: 5.02 ug/ml
RT: 13.240 min Scan# 1998
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

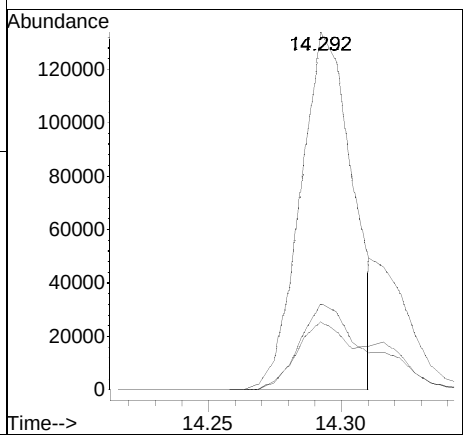


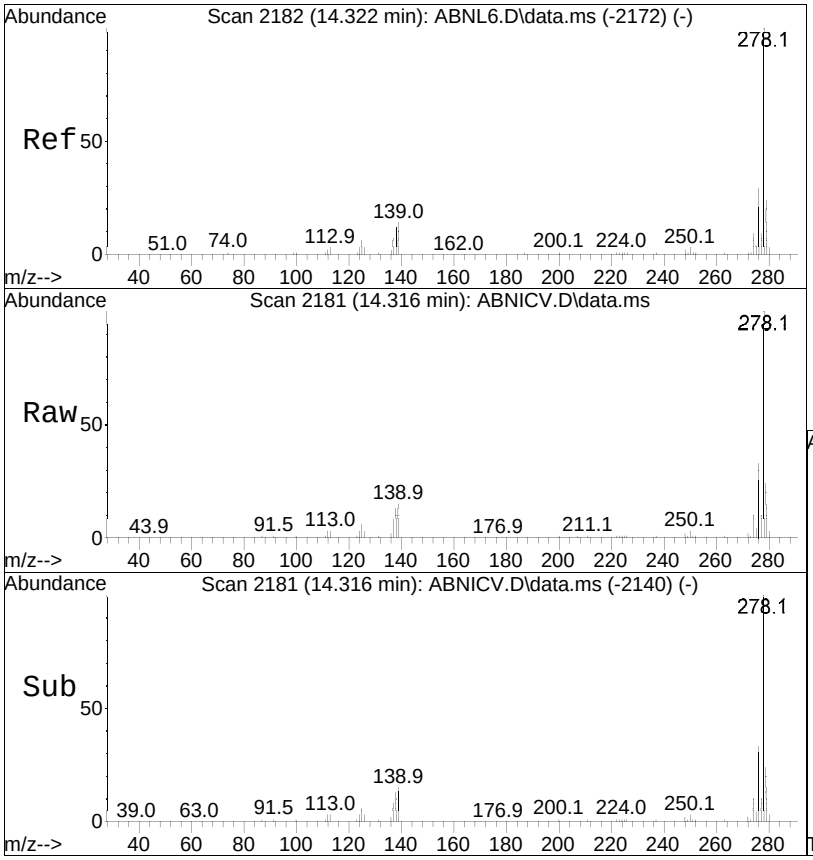


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.60 ug/mL M6
RT: 14.292 min Scan# 2177
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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#

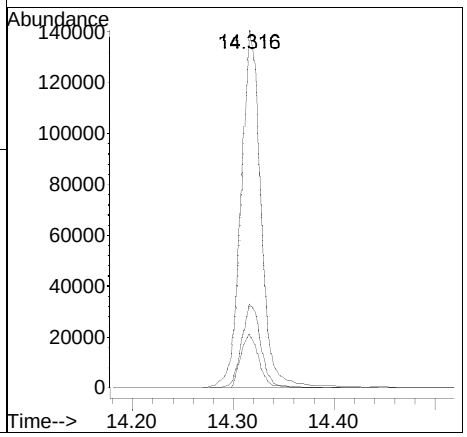


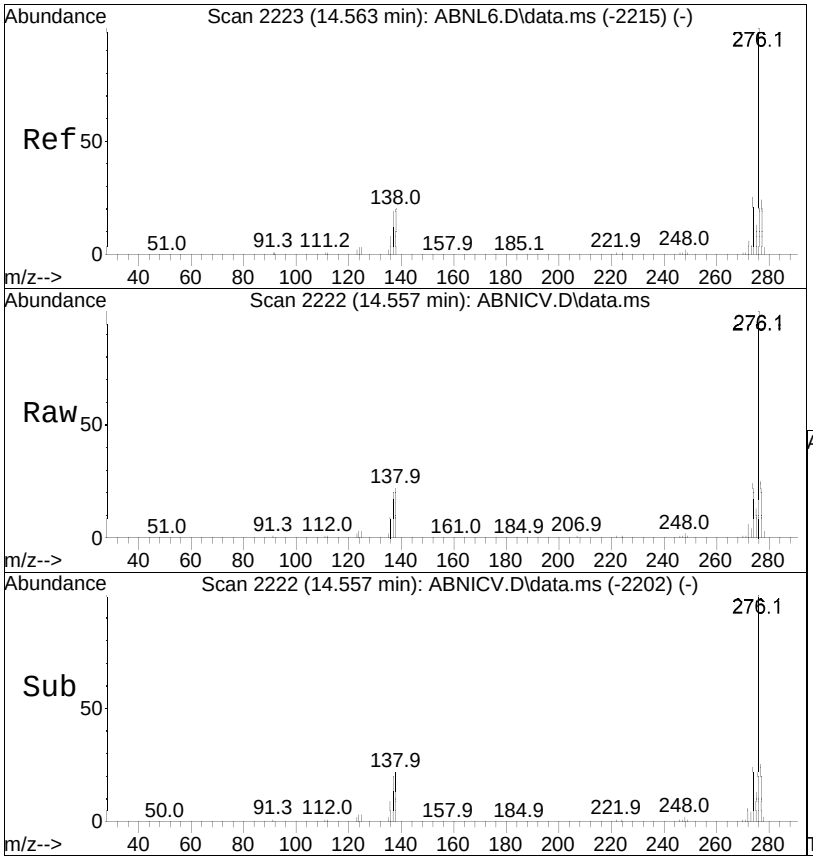


#115
Dibenzo(a,h)anthracene
Concen: 5.01 ug/ml
RT: 14.316 min Scan# 2181
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

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

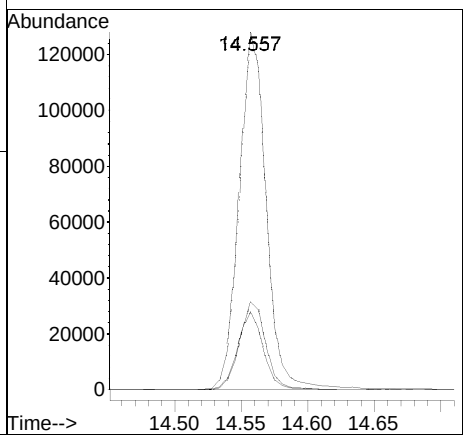




#116
Benzo(ghi)perylene
Concen: 4.62 ug/ml
RT: 14.557 min Scan# 2222
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:276 Resp: 178871

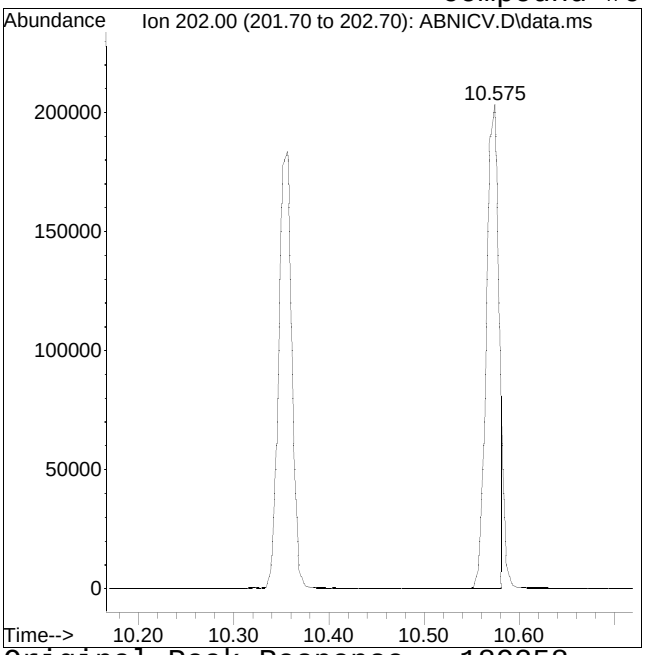
Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.9	32.9#
277	24.5	18.4	27.6

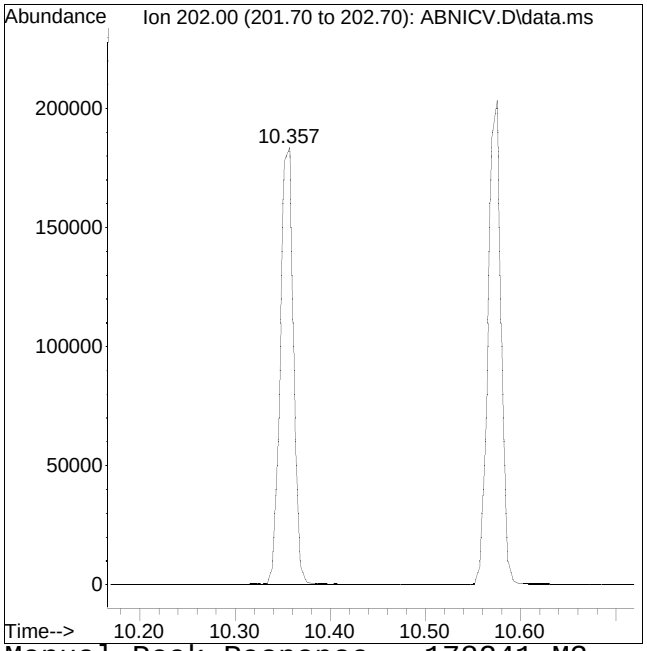


Manual Integration Report

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





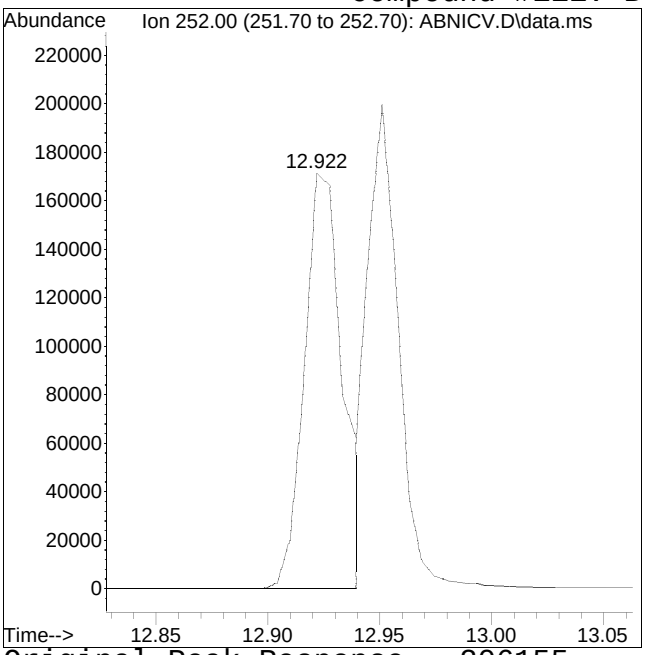
Original Peak Response = 189258 Manual Peak Response = 178241 M3

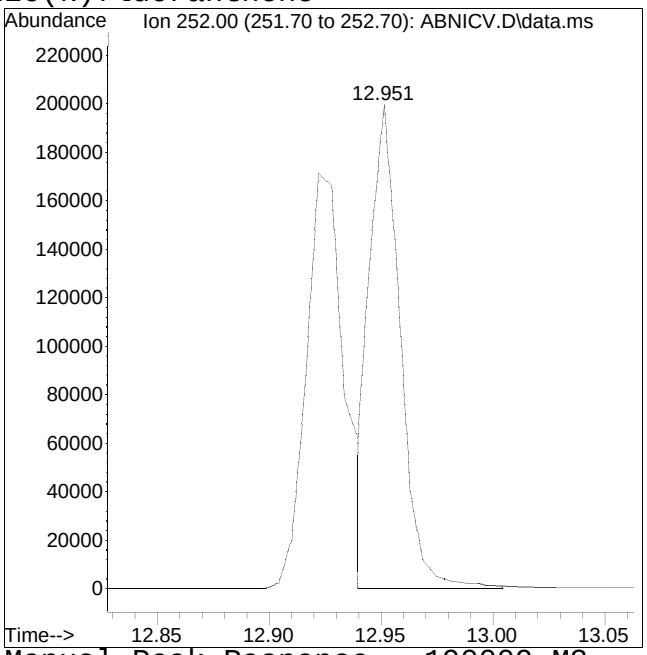
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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





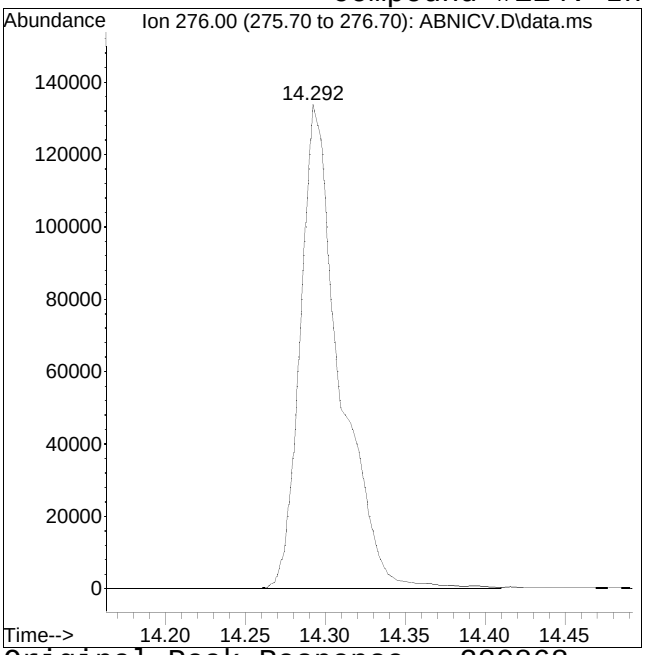
Original Peak Response = 206155 Manual Peak Response = 190009 M3

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.

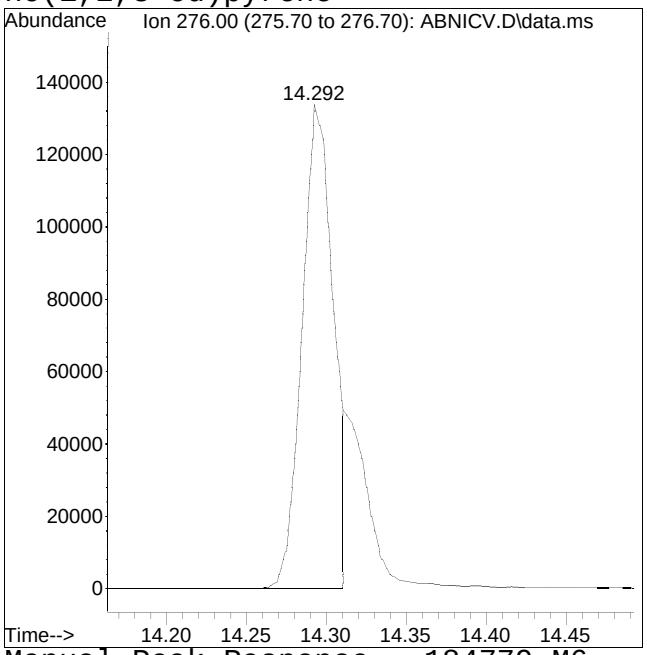
Manual Integration Report

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

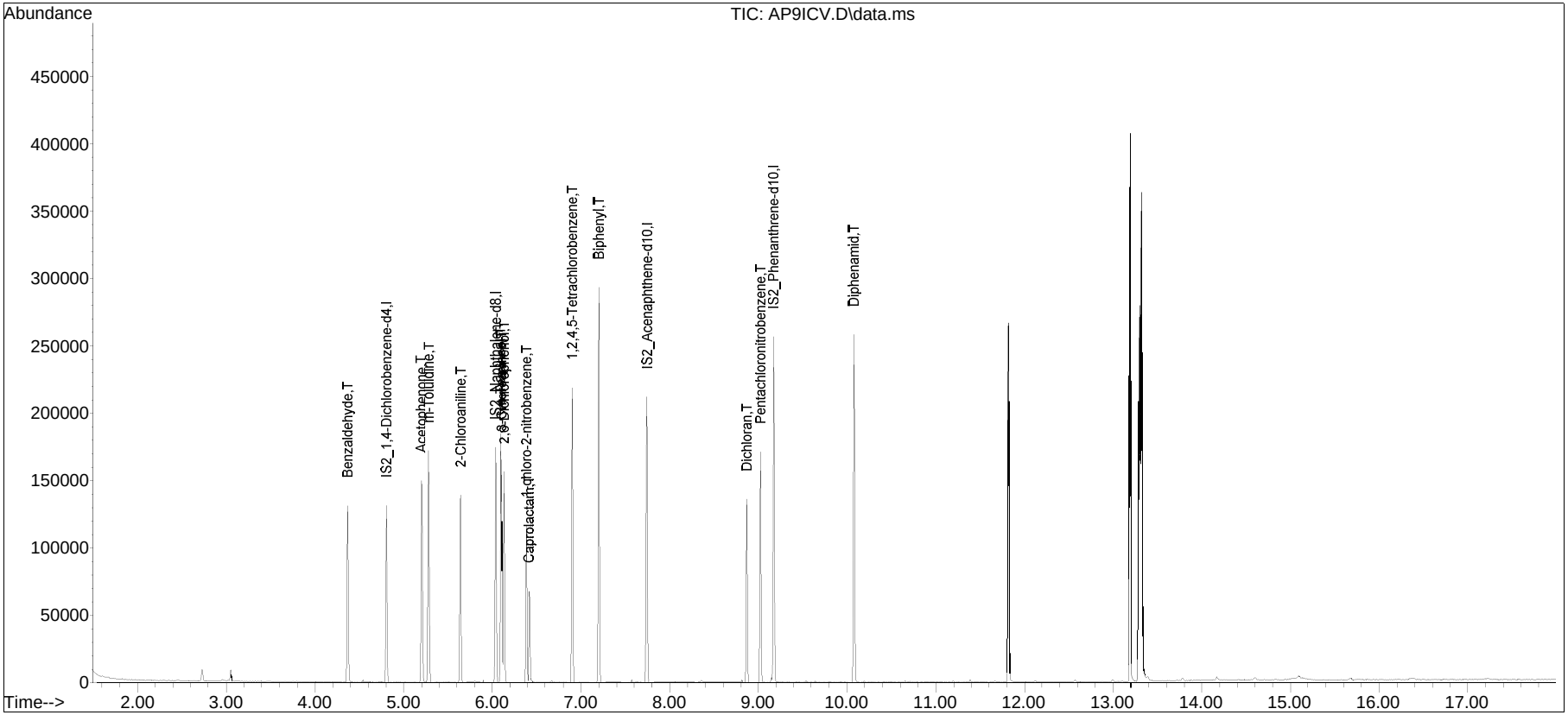
(#) = qualifier out of range (m) = manual integration (+) = signals summed

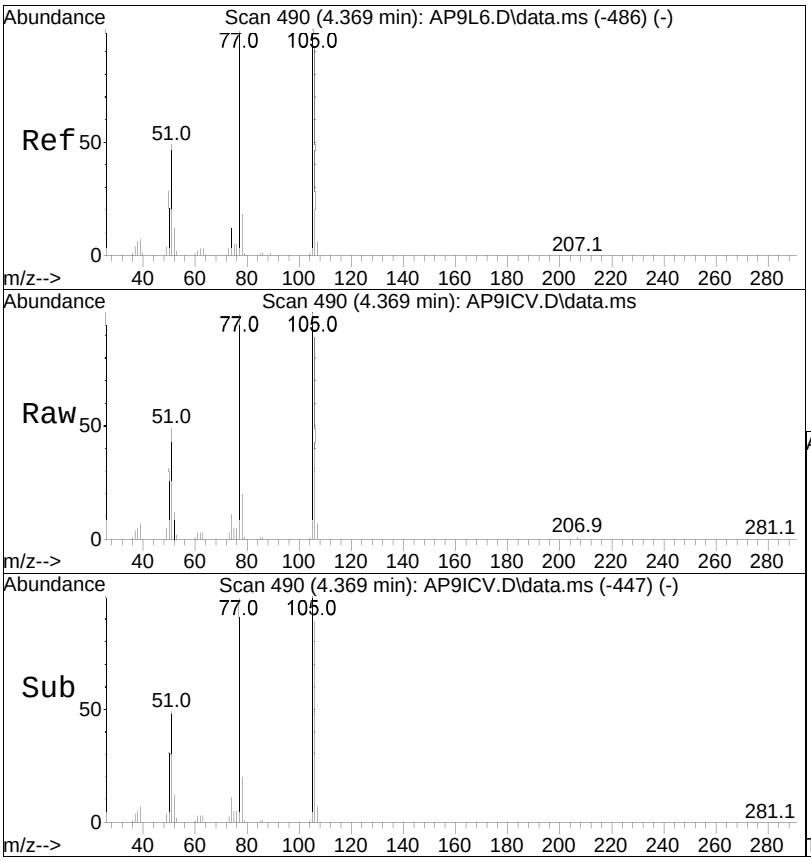
Quantitation Report (QT Reviewed)

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•

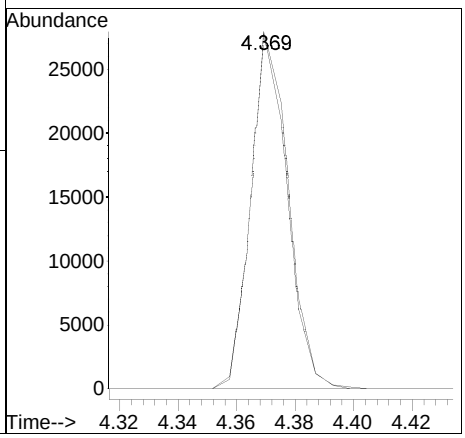


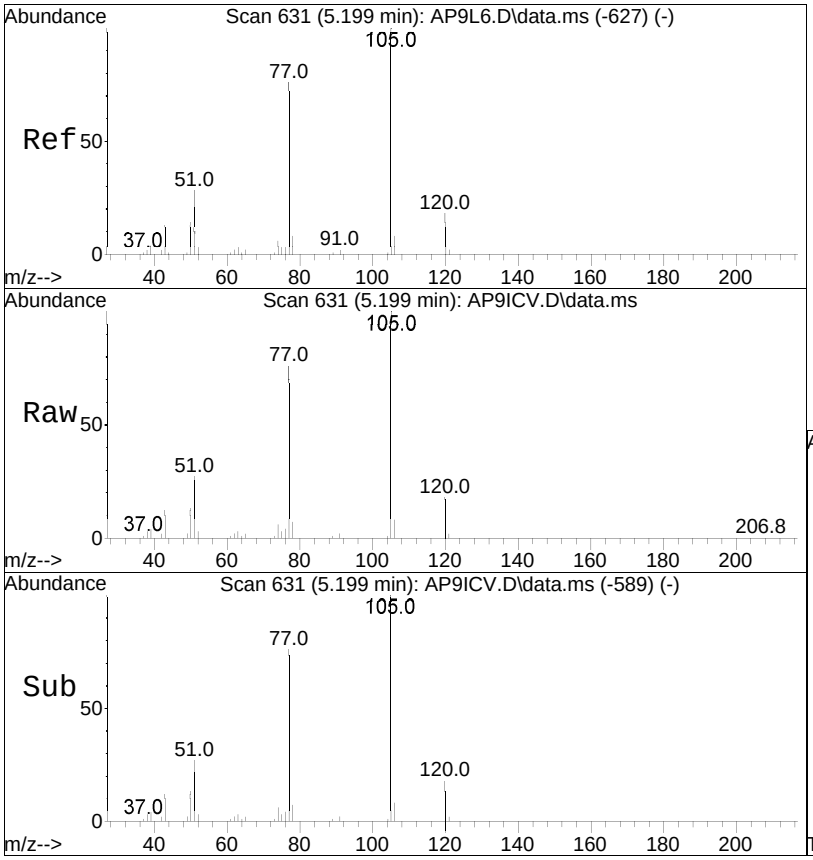


#28
Benzaldehyde
Concen: 4.64 ug/ml
RT: 4.369 min Scan# 490
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:105 Resp: 24722

Ion	Ratio	Lower	Upper
105	100		
77	97.2	77.0	115.6

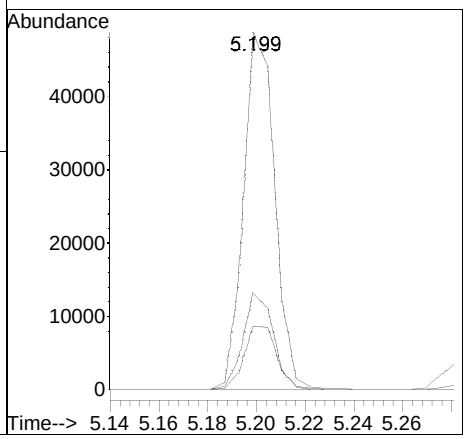


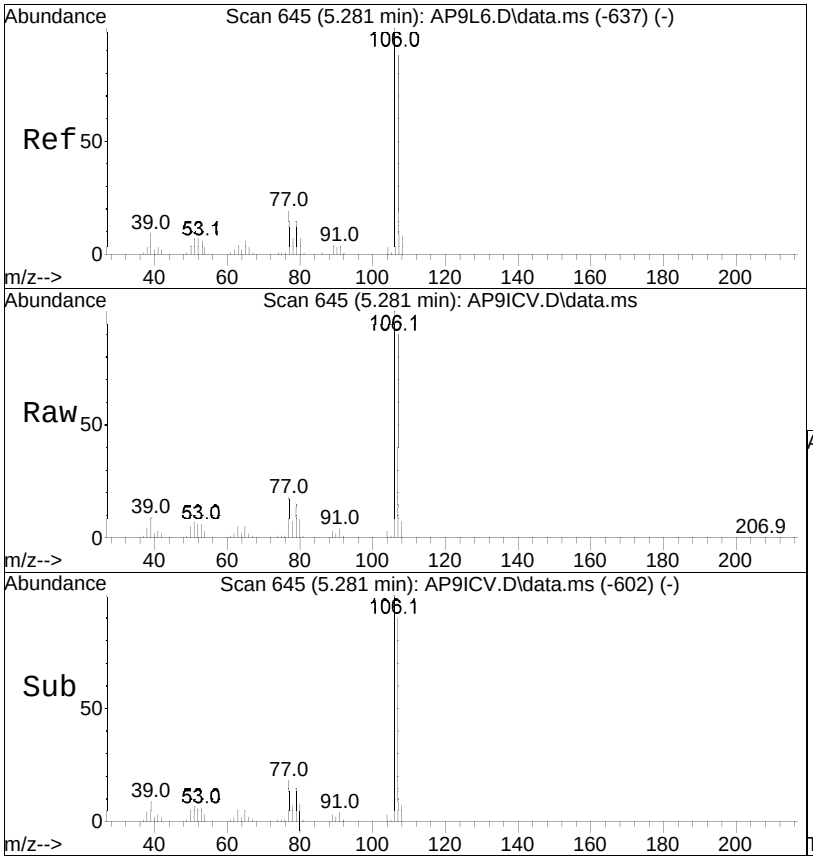


#29
Acetophenone
Concen: 4.64 ug/ml
RT: 5.199 min Scan# 631
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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

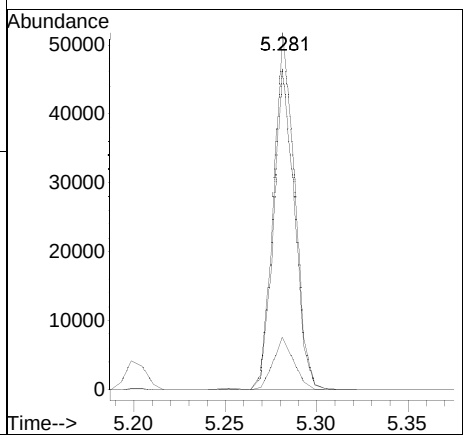


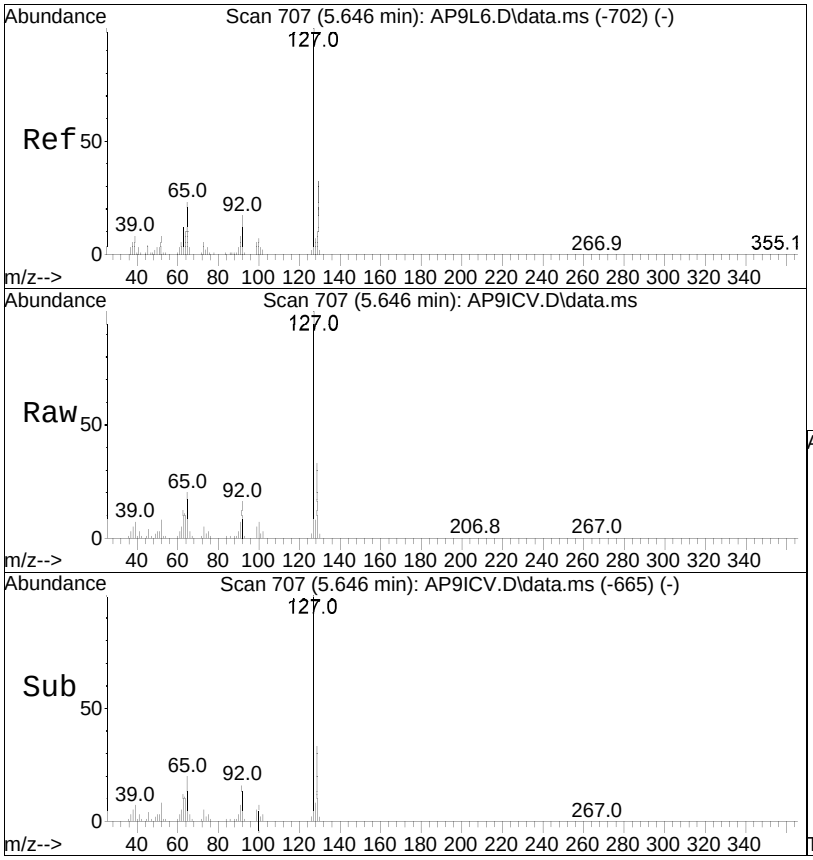


#30
m-Toluidine
Concen: 4.72 ug/ml
RT: 5.281 min Scan# 645
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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

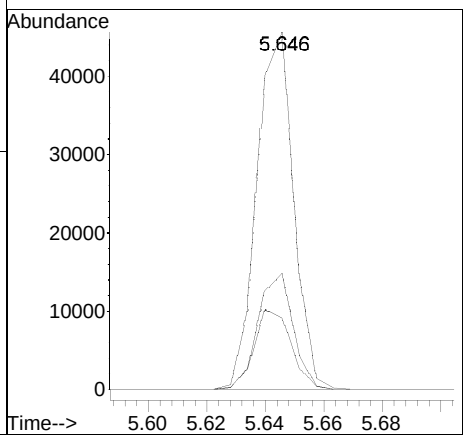


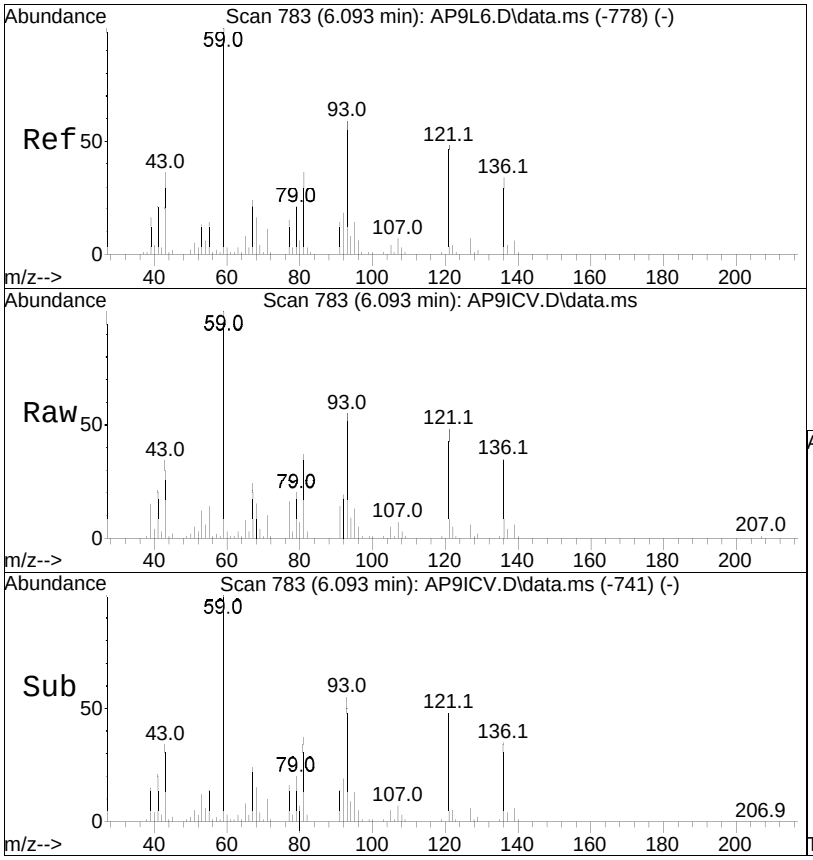


#31
2-Chloroaniline
Concen: 4.66 ug/ml
RT: 5.646 min Scan# 707
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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

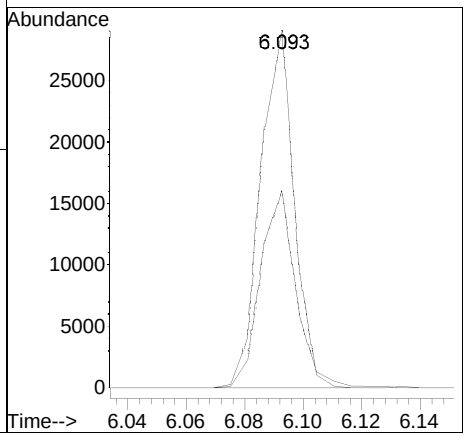


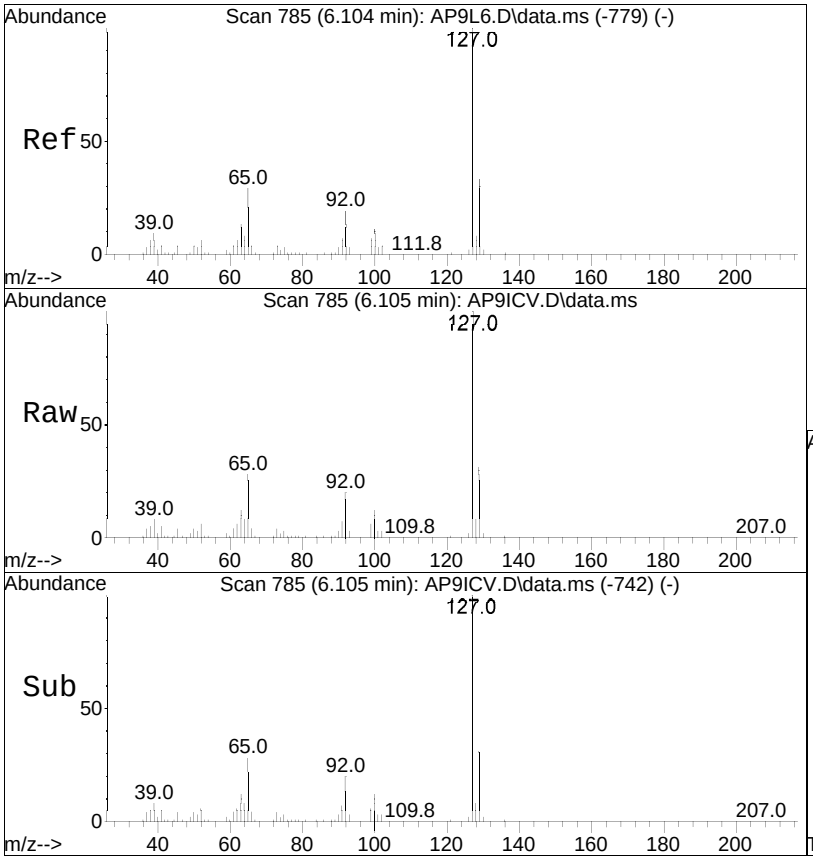


#56
a-Terpineol
Concen: 4.71 ug/ml
RT: 6.093 min Scan# 783
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 59 Resp: 23032

Ion	Ratio	Lower	Upper
59	100		
93	58.6	43.5	65.3

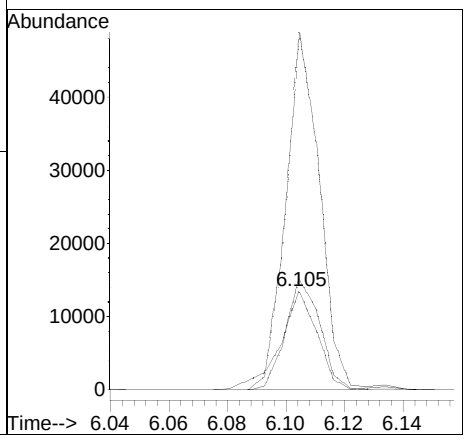


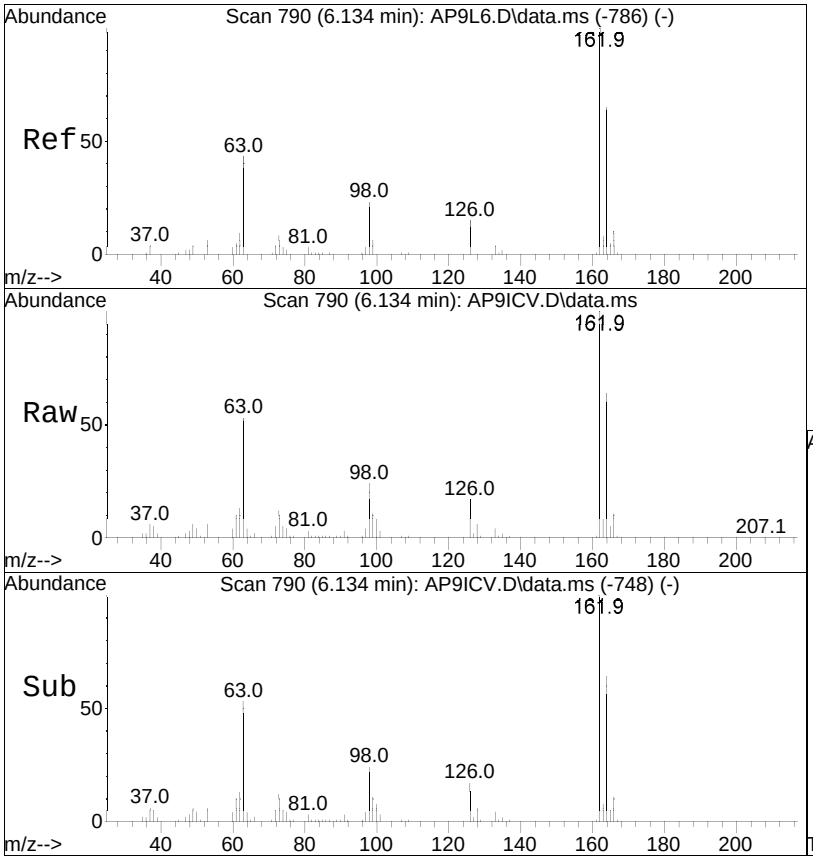


#57
3-Chloroaniline
Concen: 4.51 ug/ml
RT: 6.105 min Scan# 785
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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

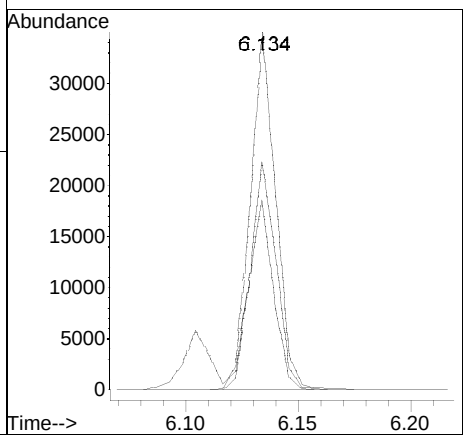


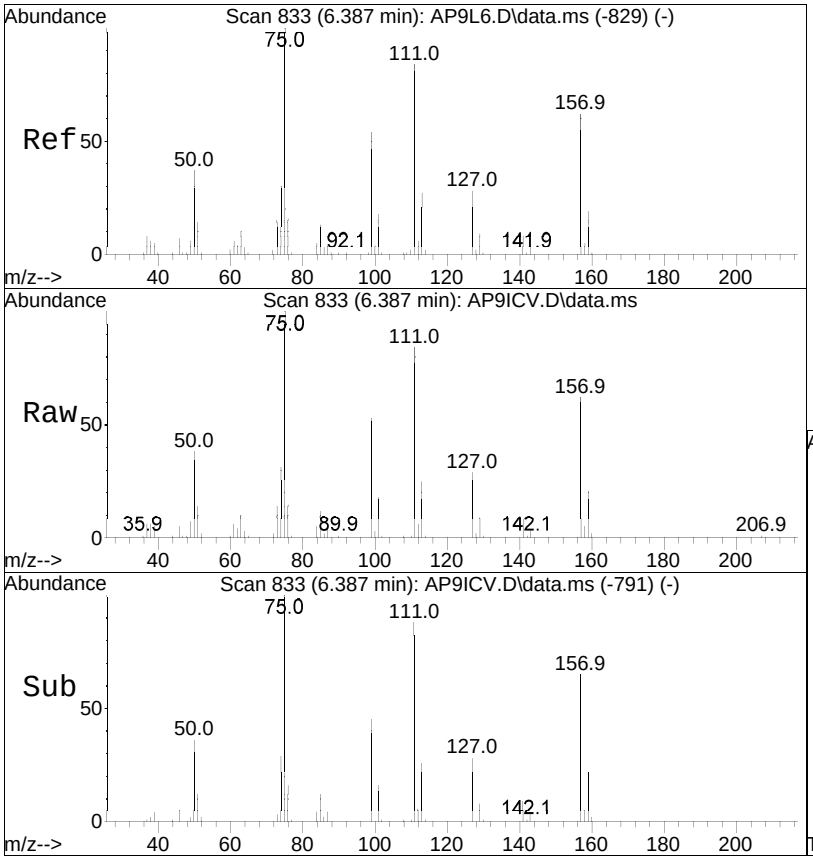


#58
2,6-Dichlorophenol
Concen: 4.76 ug/ml
RT: 6.134 min Scan# 790
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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#

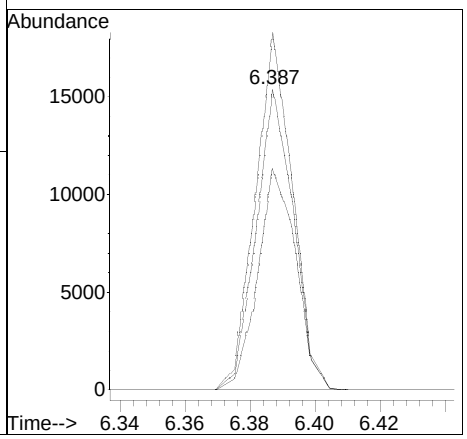


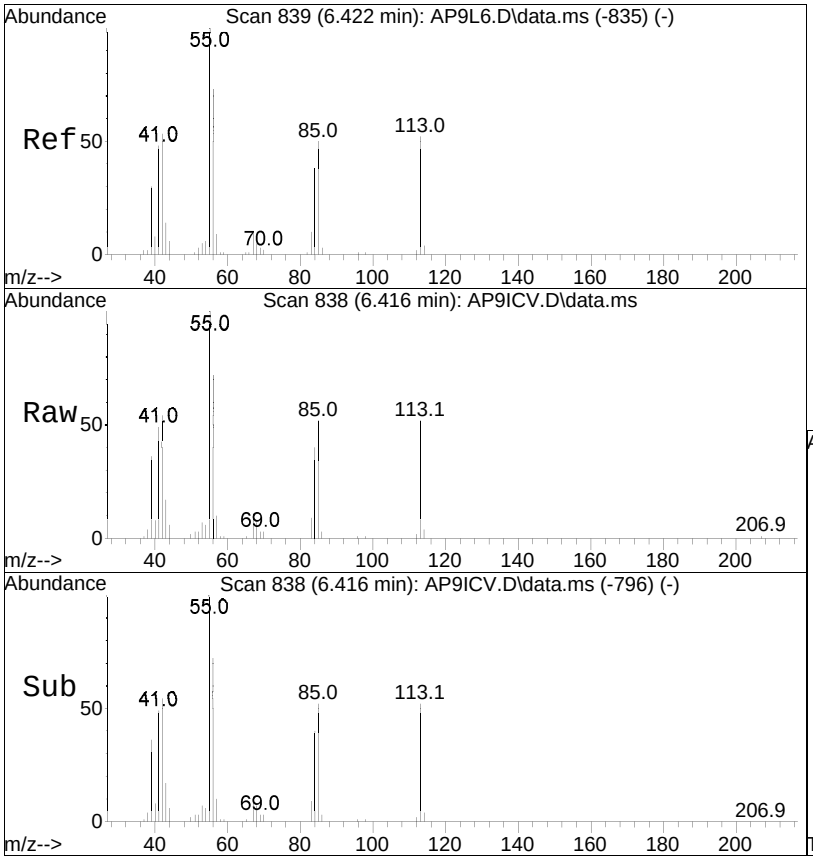


#59
1-chloro-2-nitrobenzene
Concen: 4.82 ug/ml
RT: 6.387 min Scan# 833
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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

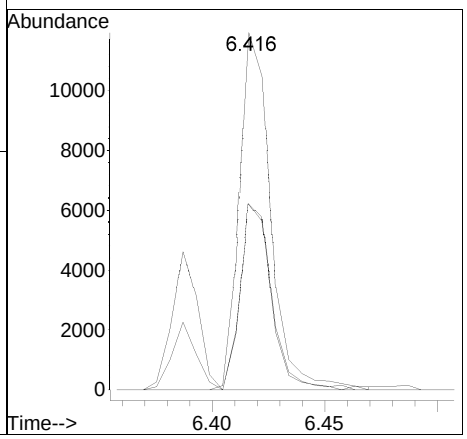


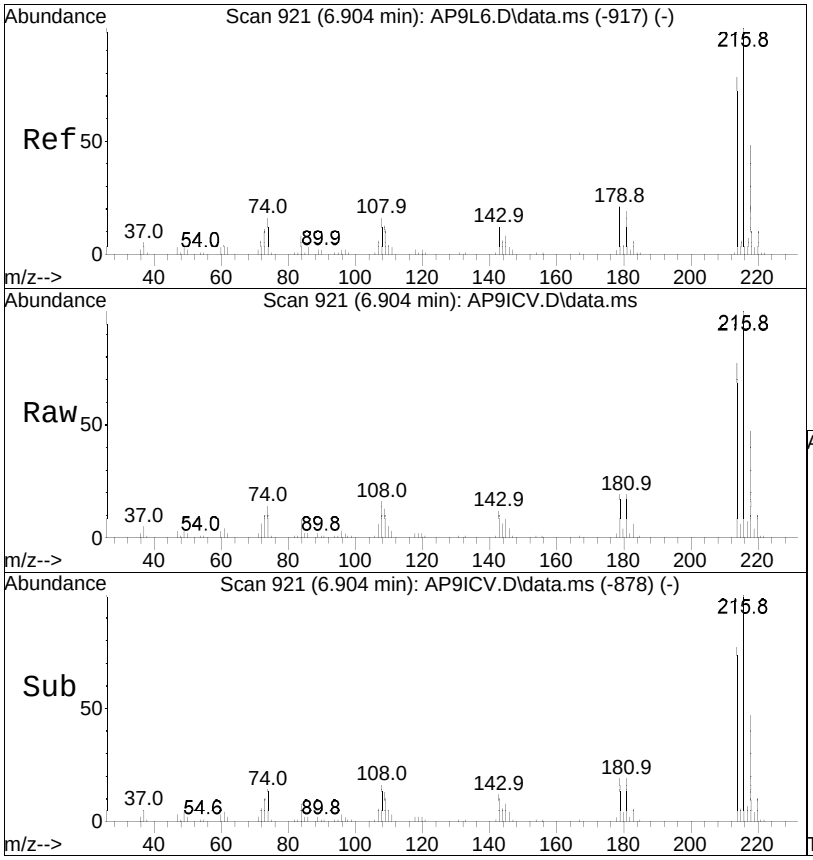


#60
Caprolactam
Concen: 4.06 ug/ml
RT: 6.416 min Scan# 838
Delta R.T. -0.006 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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

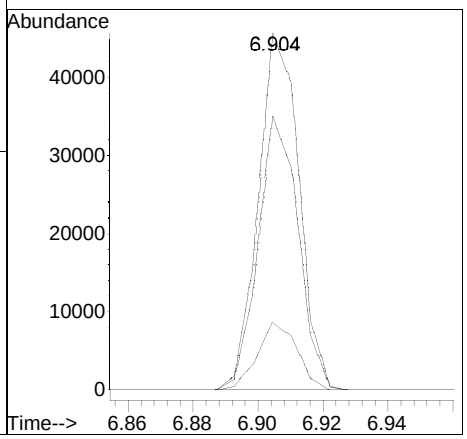


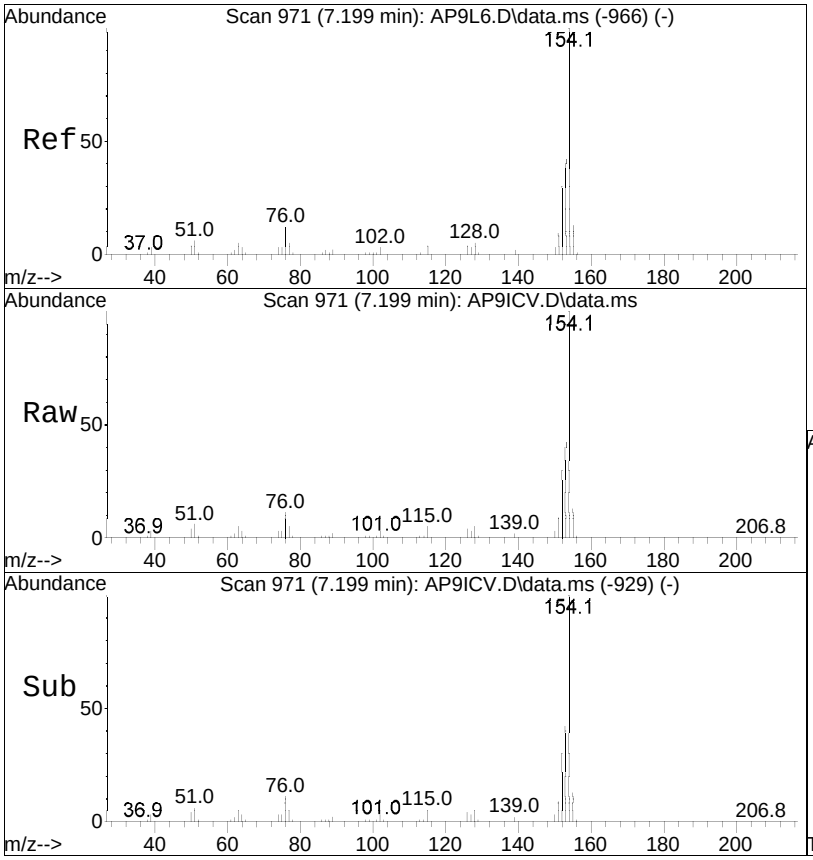


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.66 ug/ml
RT: 6.904 min Scan# 921
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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#

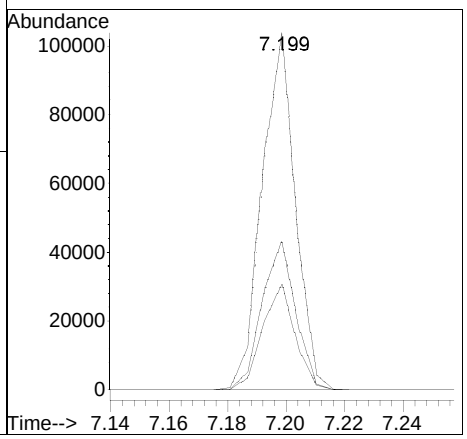


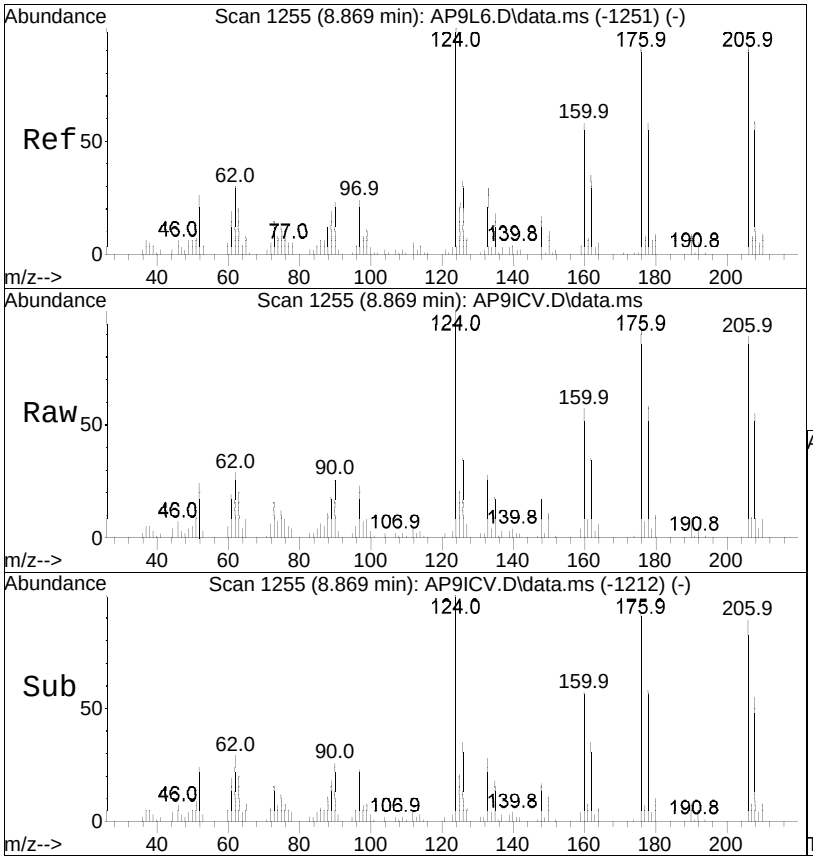


#62
Biphenyl
Concen: 4.48 ug/ml
RT: 7.199 min Scan# 971
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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

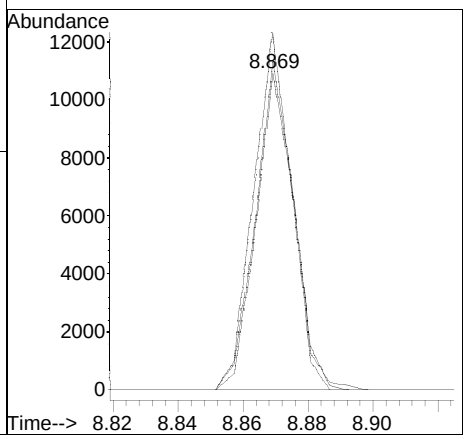


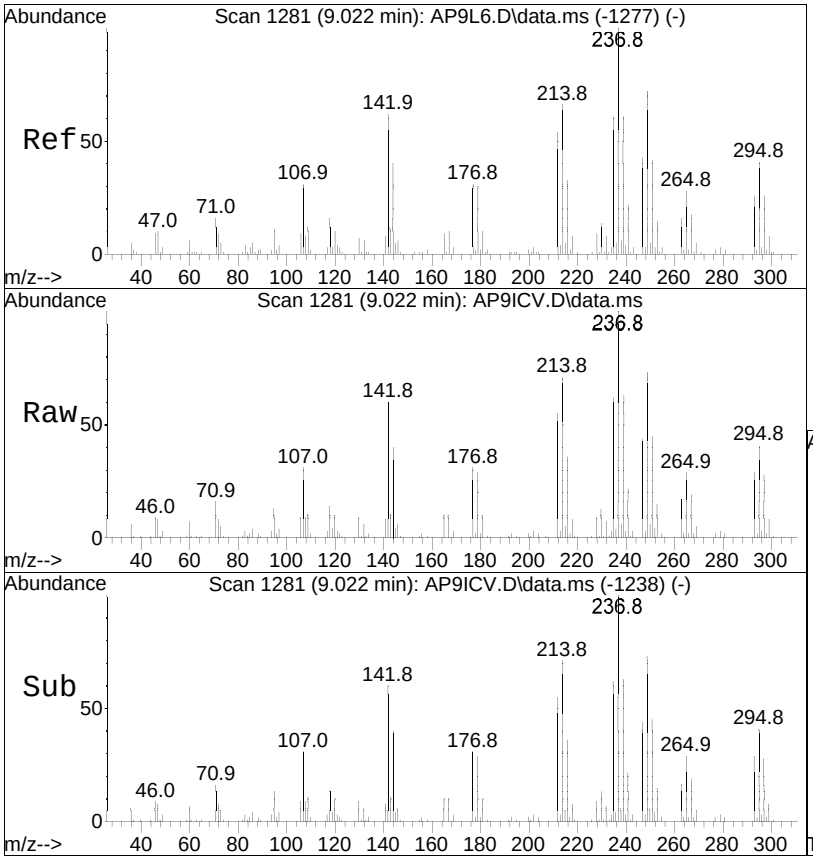


#84
Dichloran
Concen: 3.78 ug/ml
RT: 8.869 min Scan# 1255
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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#

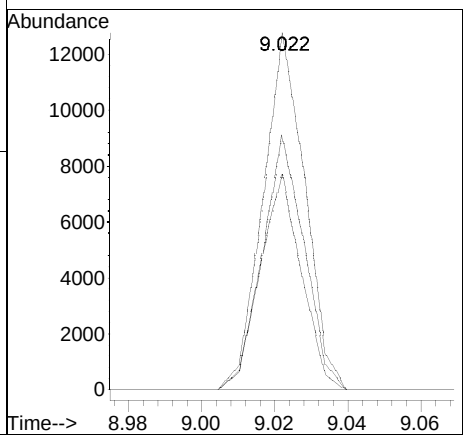


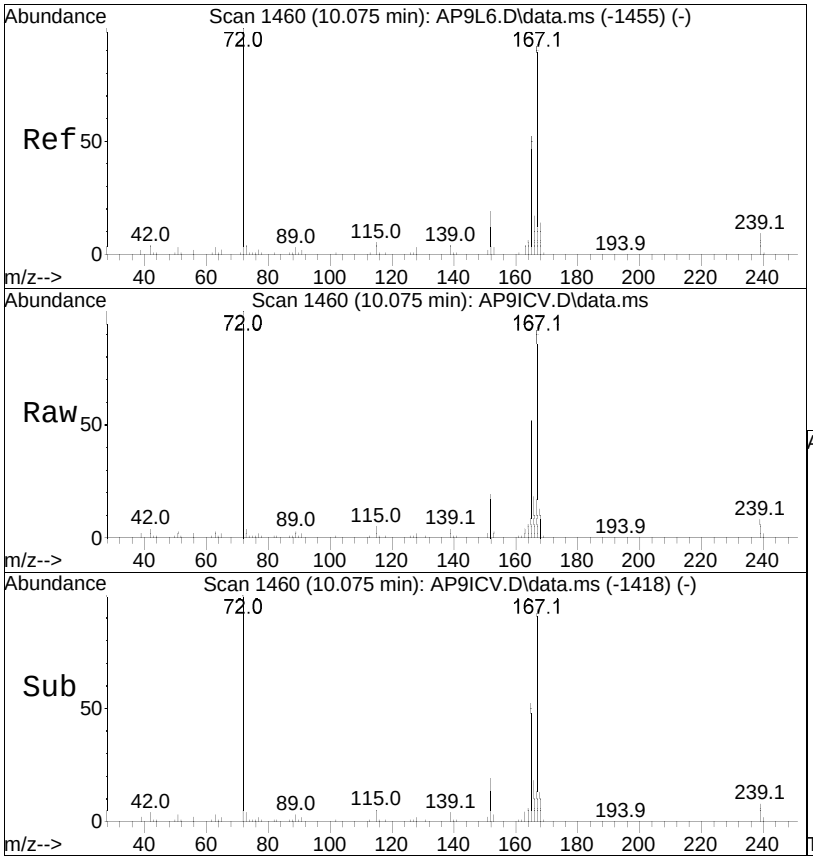


#85
Pentachloronitrobenzene
Concen: 4.08 ug/ml
RT: 9.022 min Scan# 1281
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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

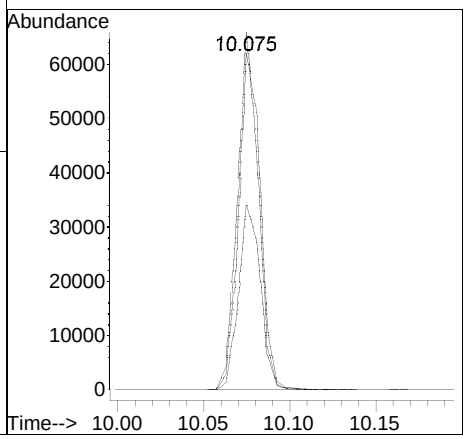




#99
Diphenamid
Concen: 4.49 ug/ml
RT: 10.075 min Scan# 1460
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

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

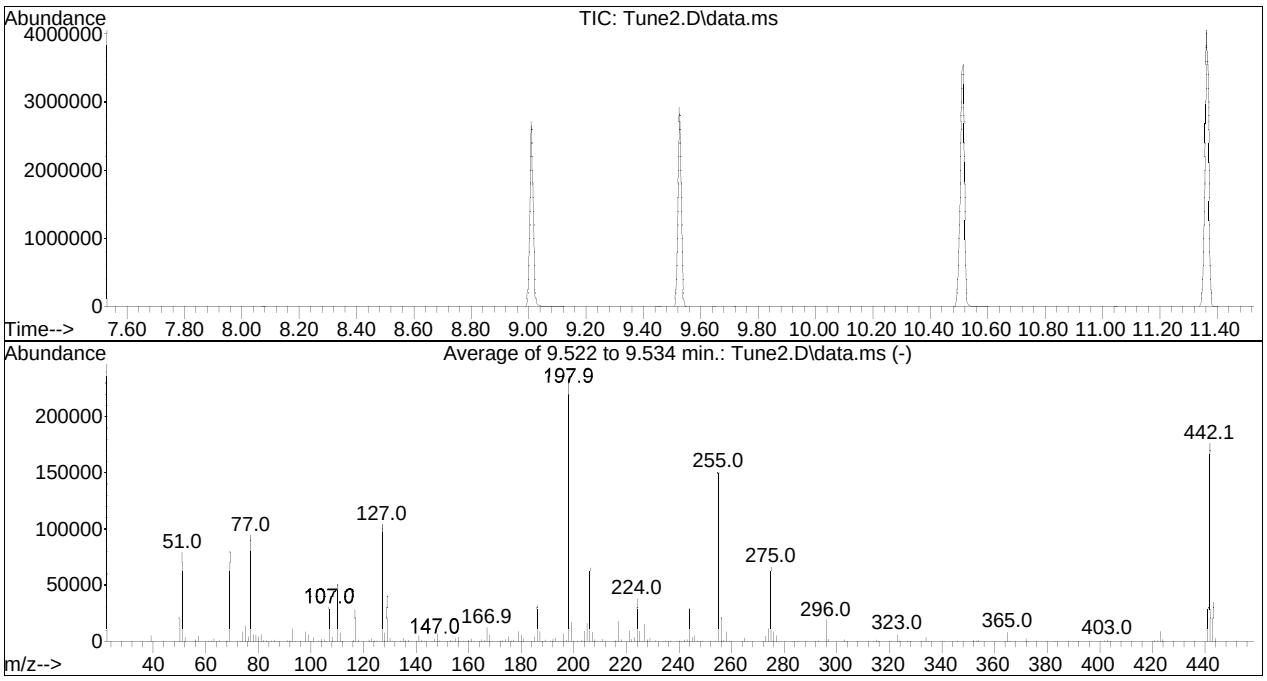
There are no manual integrations or false positives in this file.

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



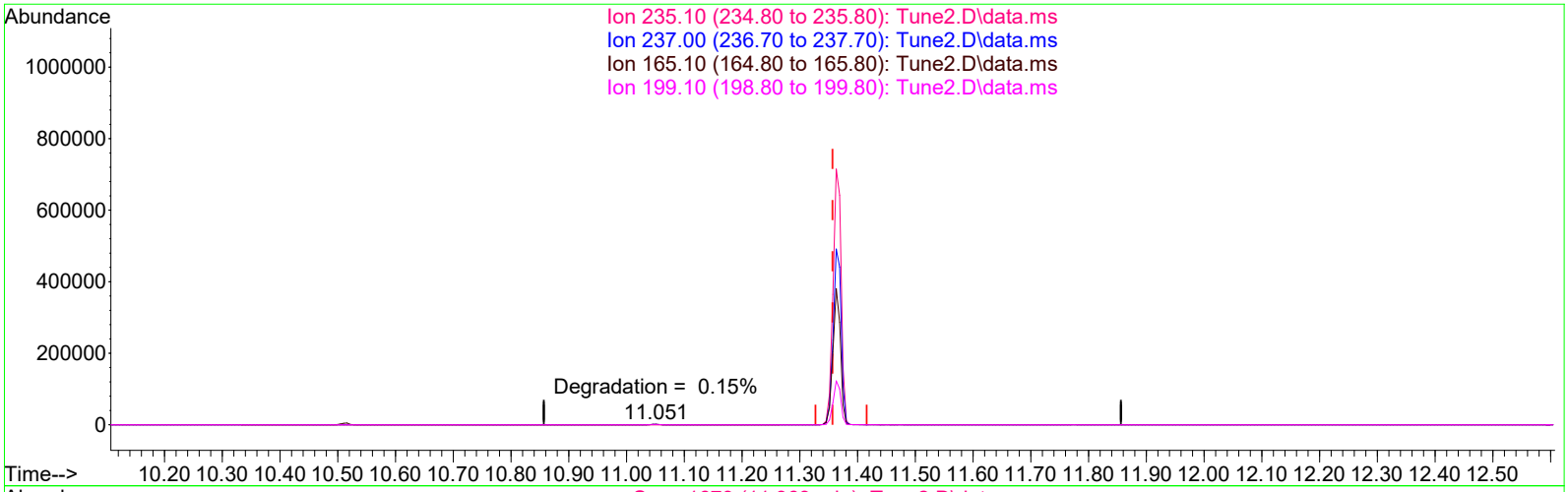
Spectrum Information: Average of 9.522 to 9.534 min.

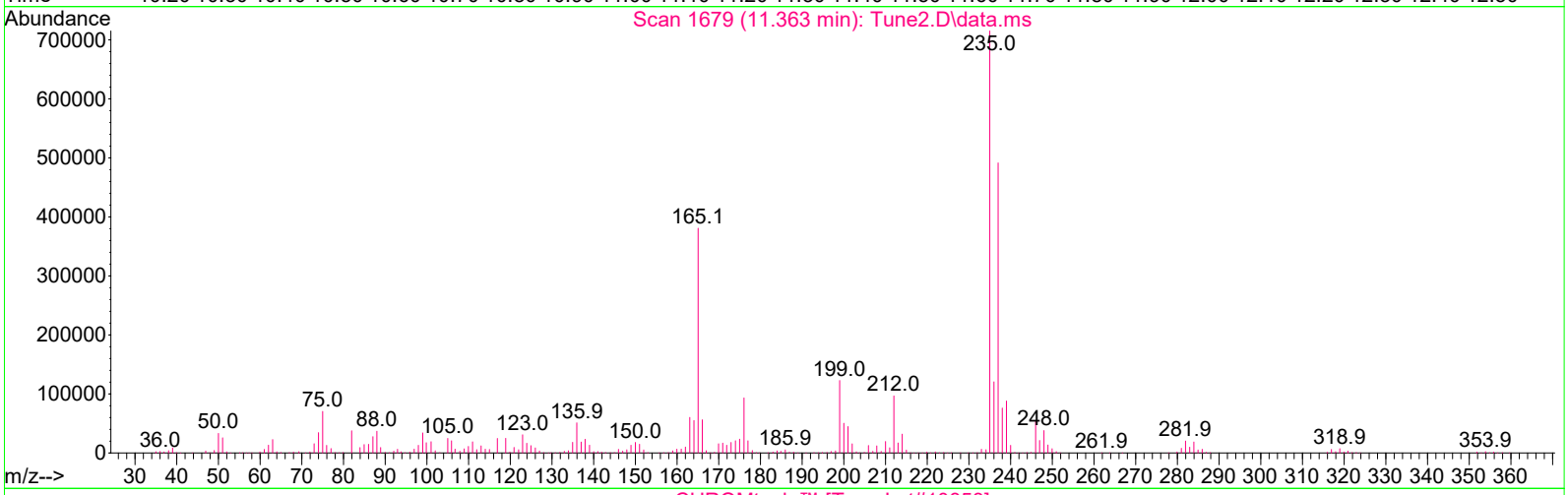
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.5	78592	PASS
68	69	0.00	2	1.6	1239	PASS
69	69	100	100	100.0	79691	PASS
70	69	0.00	2	0.5	407	PASS
127	198	10	80	44.2	103691	PASS
197	198	0.00	2	0.7	1726	PASS
198	198	100	100	100.0	234816	PASS
199	198	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

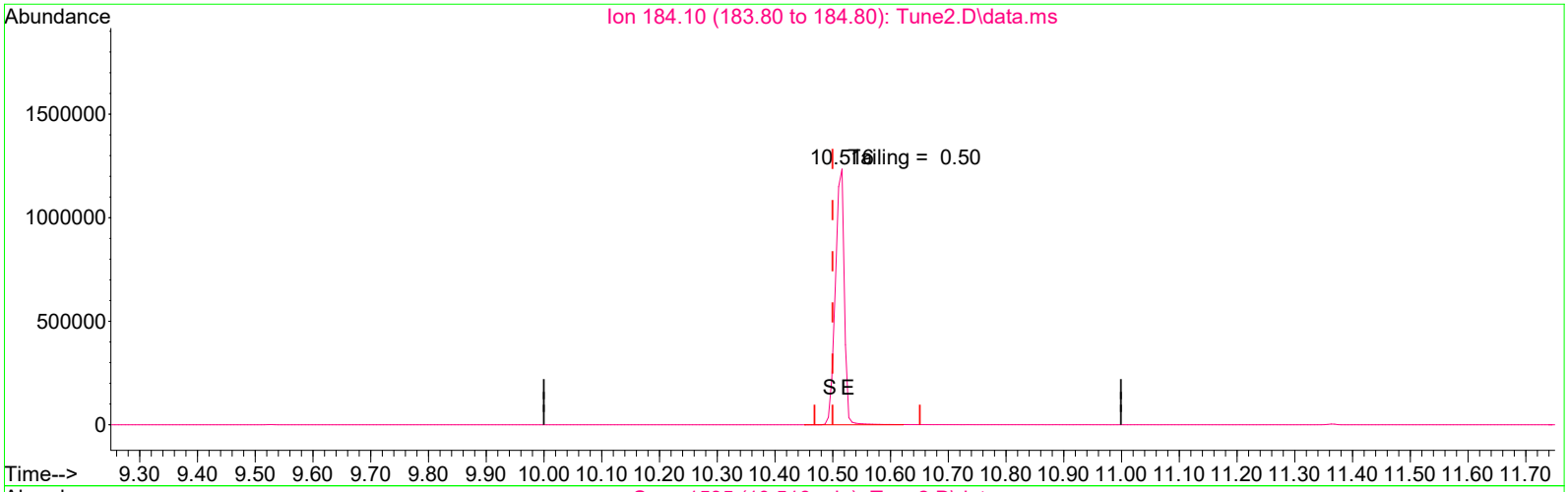
response 702426

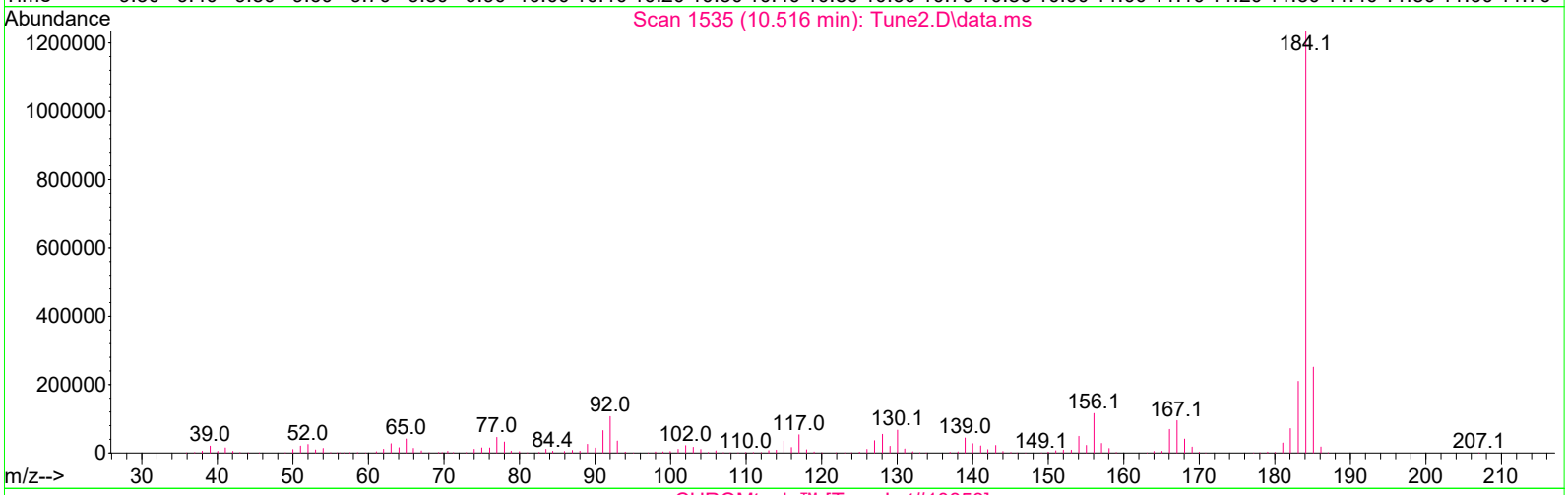
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	67.60
165.10	42.20	49.55
199.10	13.70	16.21

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

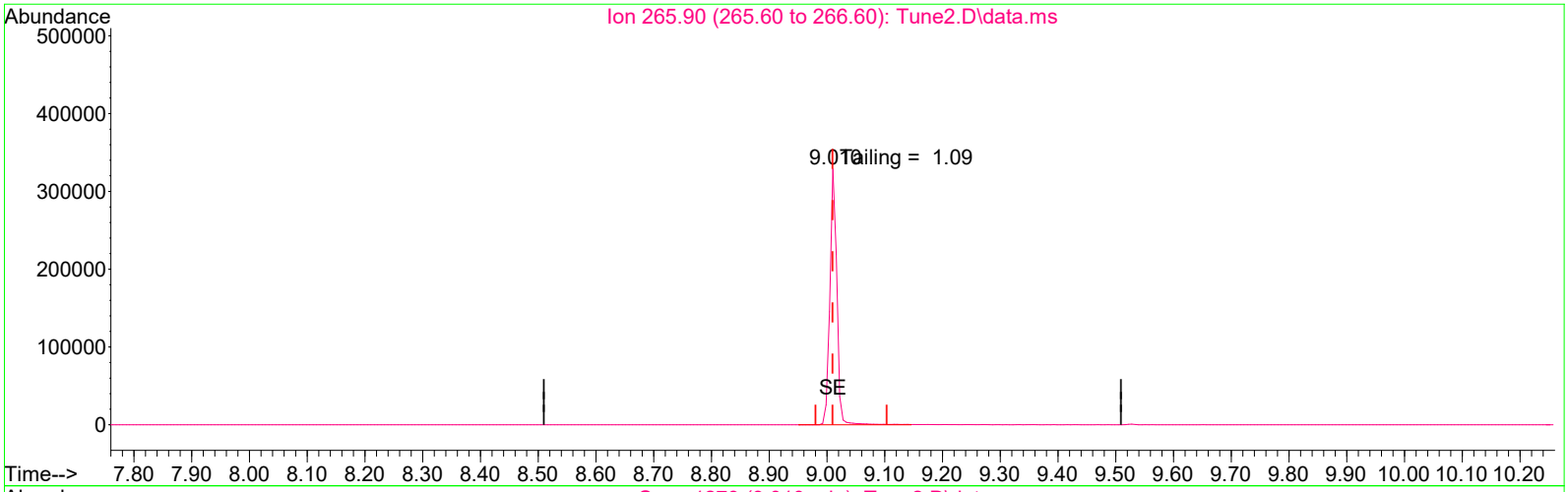
response 1334527

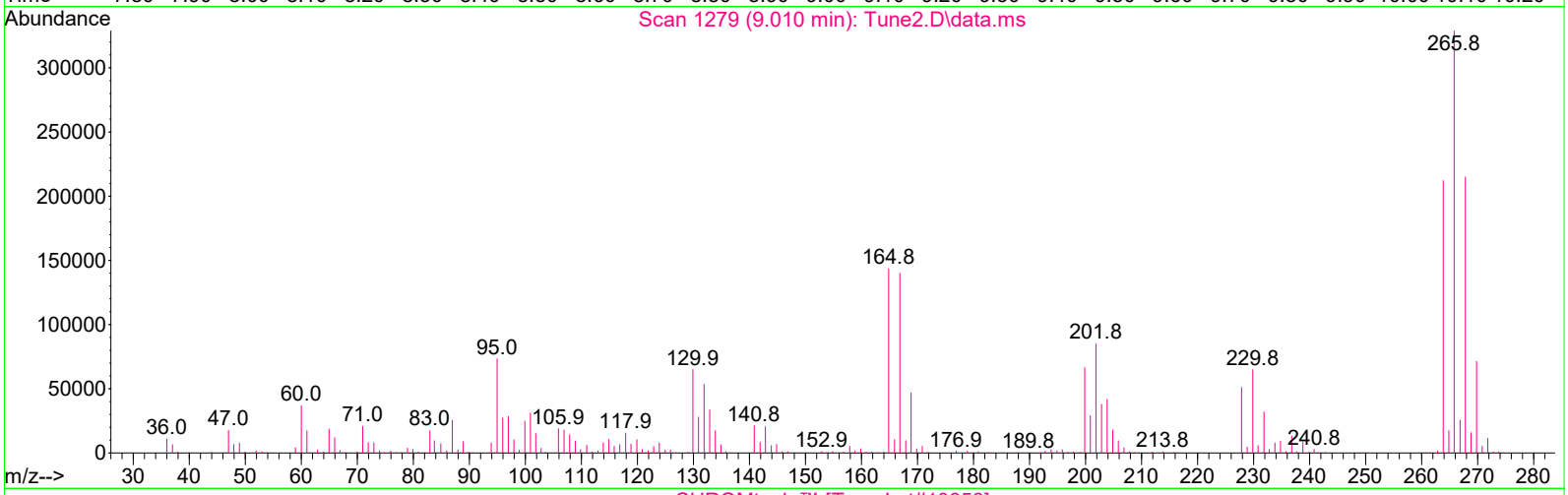
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

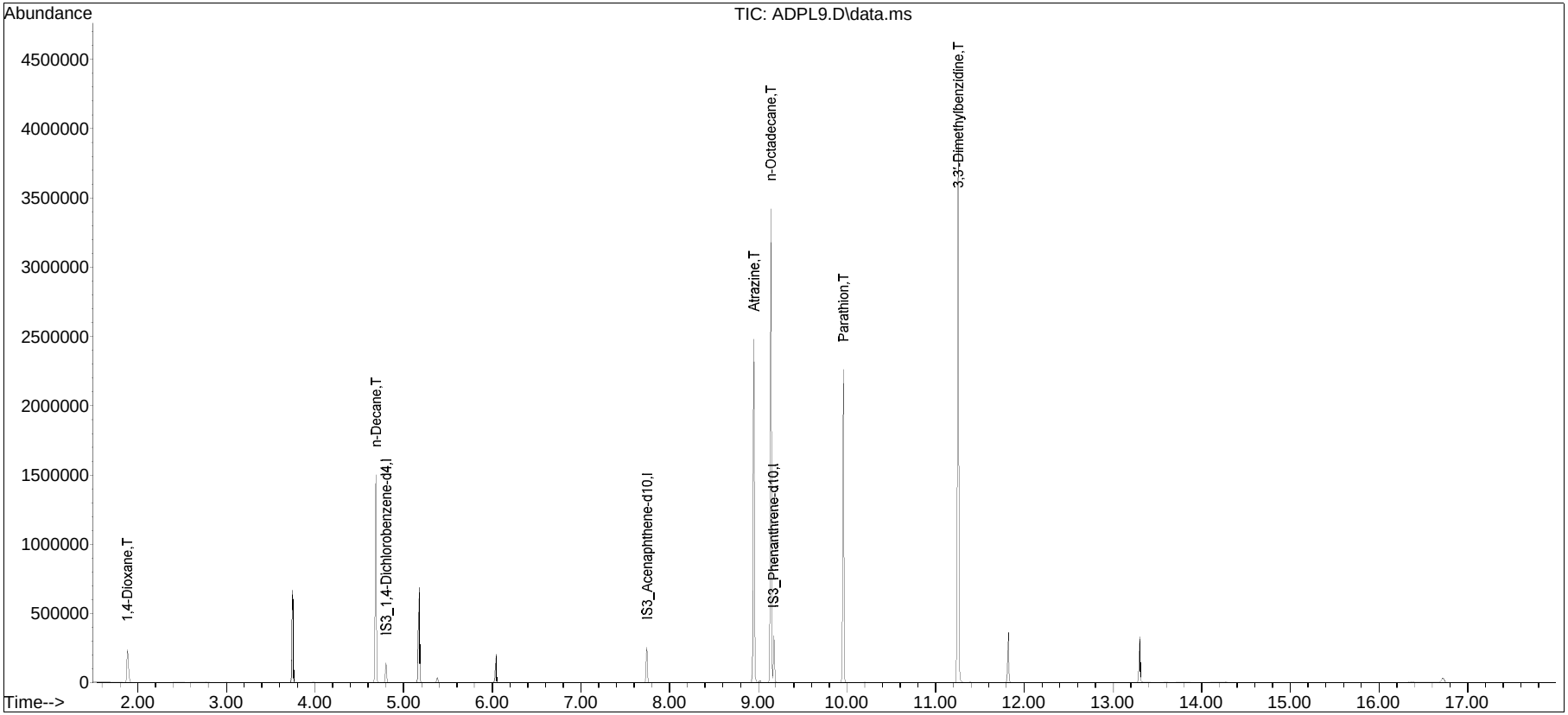
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	20470	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	101.39%		
86) IS3_Acenaphthene-d10	7.746	164	50851	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	112.78%		
100) IS3_Phenanthrene-d10	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

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

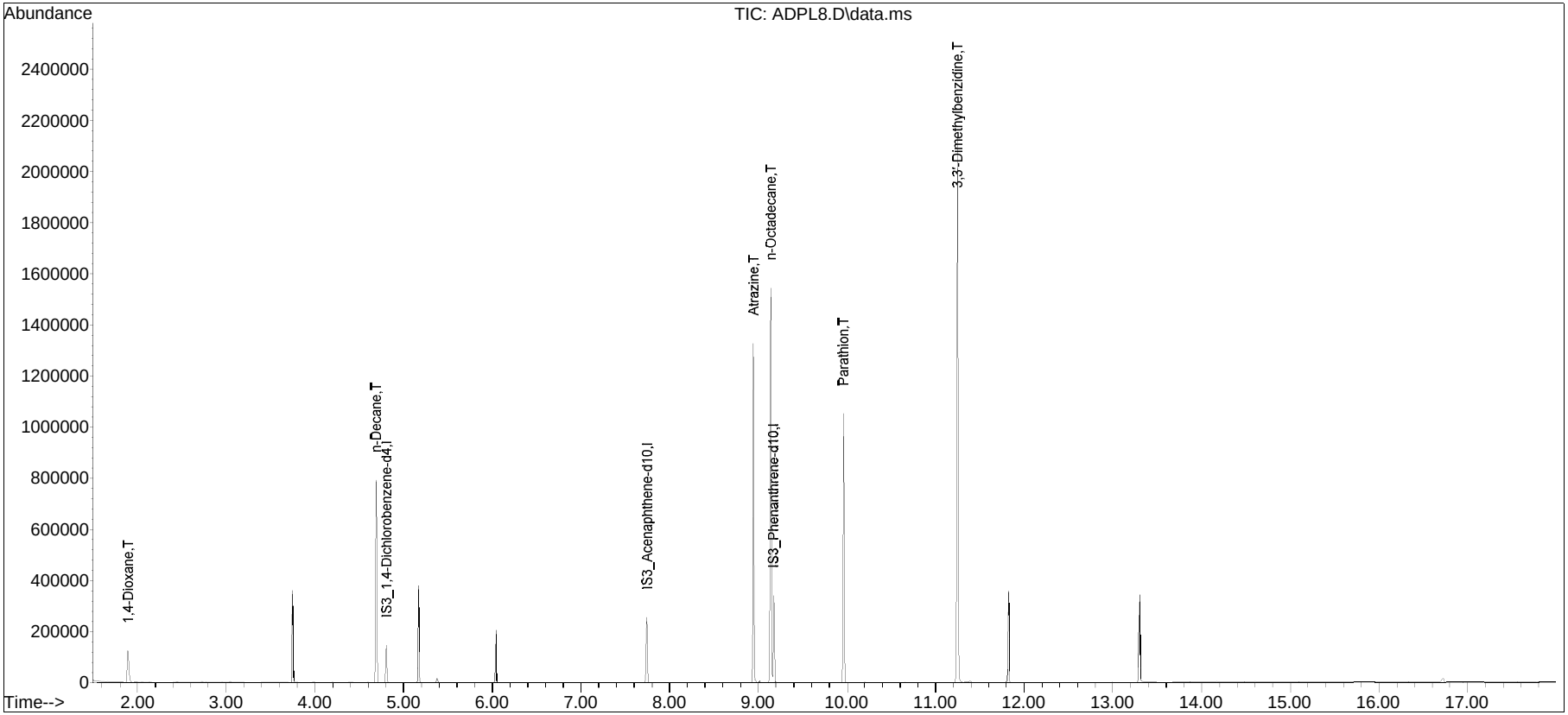
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	4.805	152	21763	4.000	ug/ml		0.00
Standard Area 1 = 20189			Recovery =	107.80%			
86) IS3_Acenaphthene-d10	7.746	164	50588	4.000	ug/ml		0.00
Standard Area 1 = 45088			Recovery =	112.20%			
100) IS3_Phenanthrene-d10	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

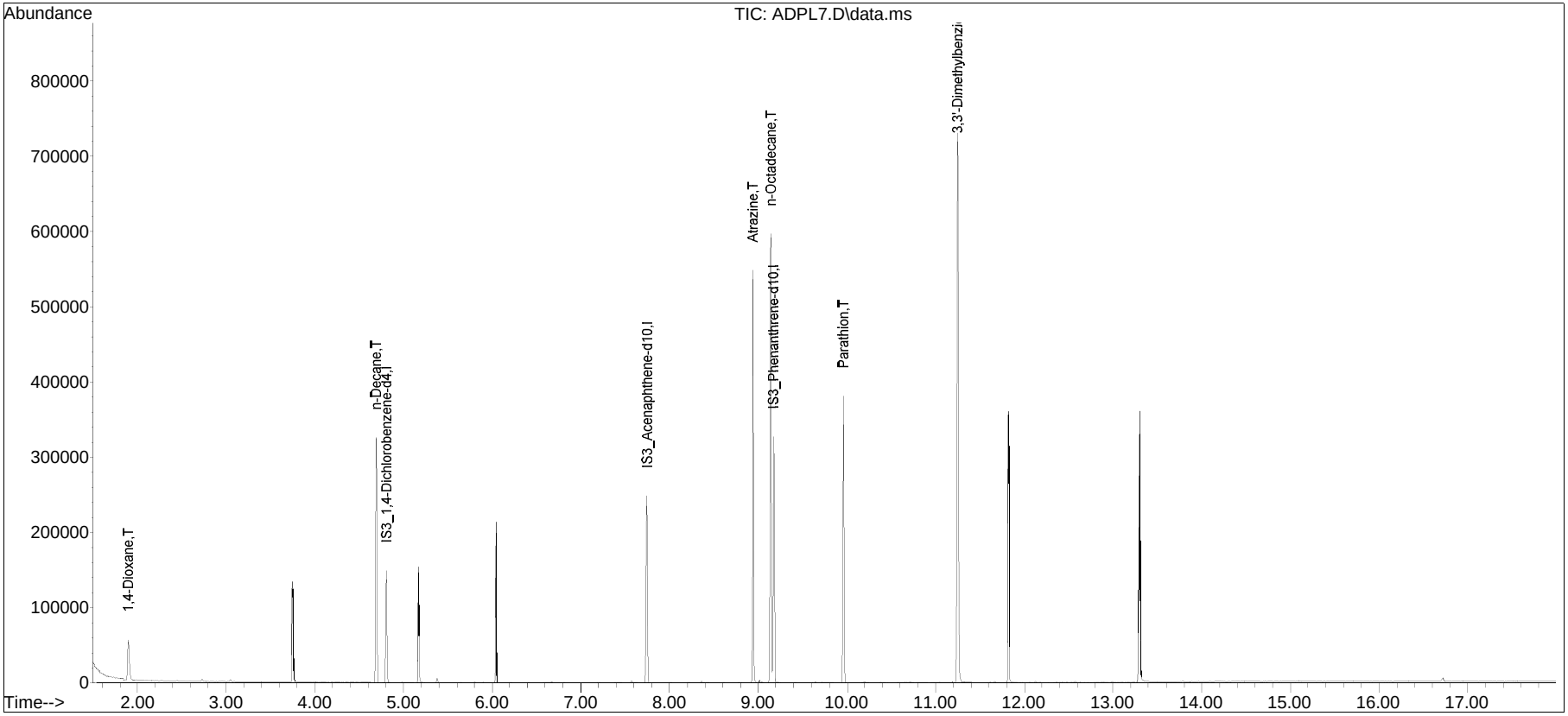
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

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

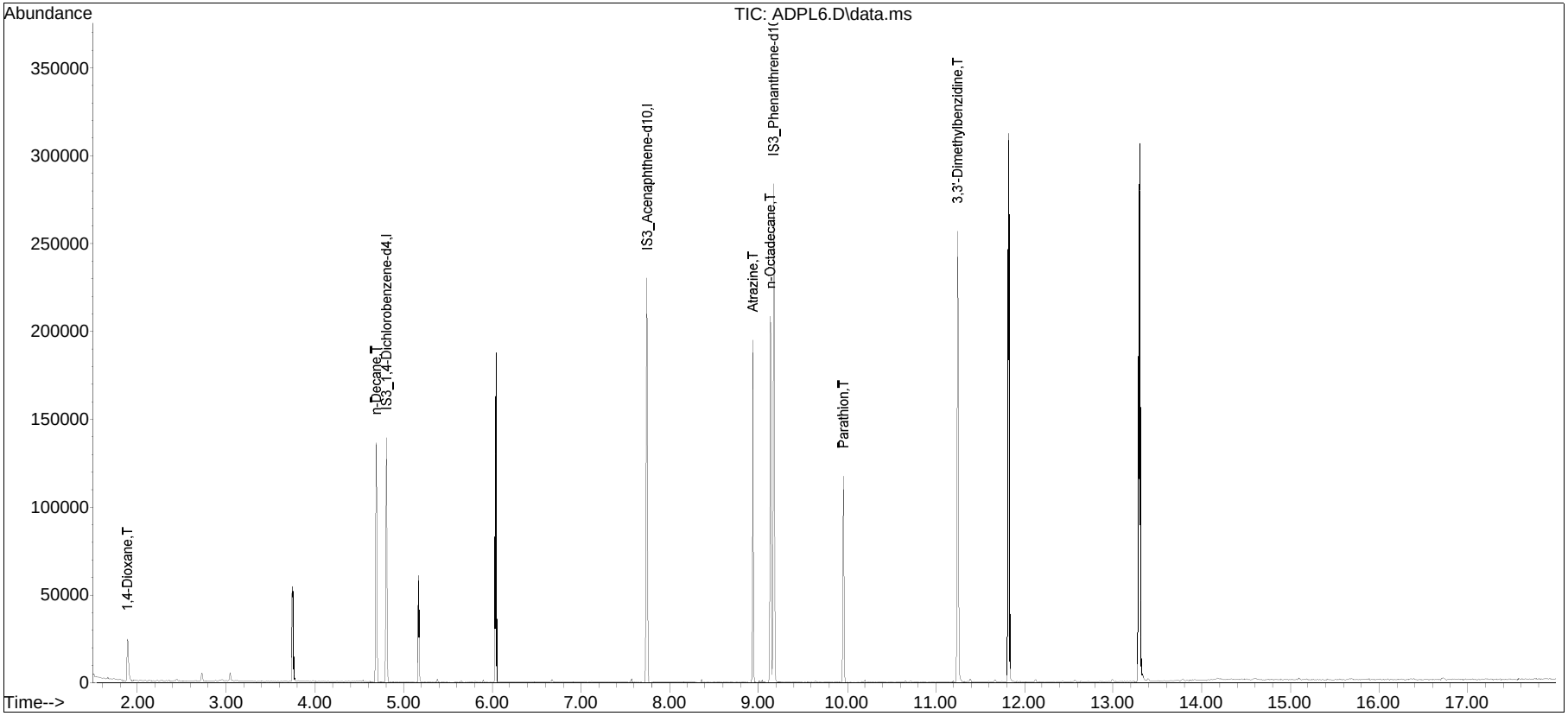
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	20189	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	7.746	164	45088	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	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

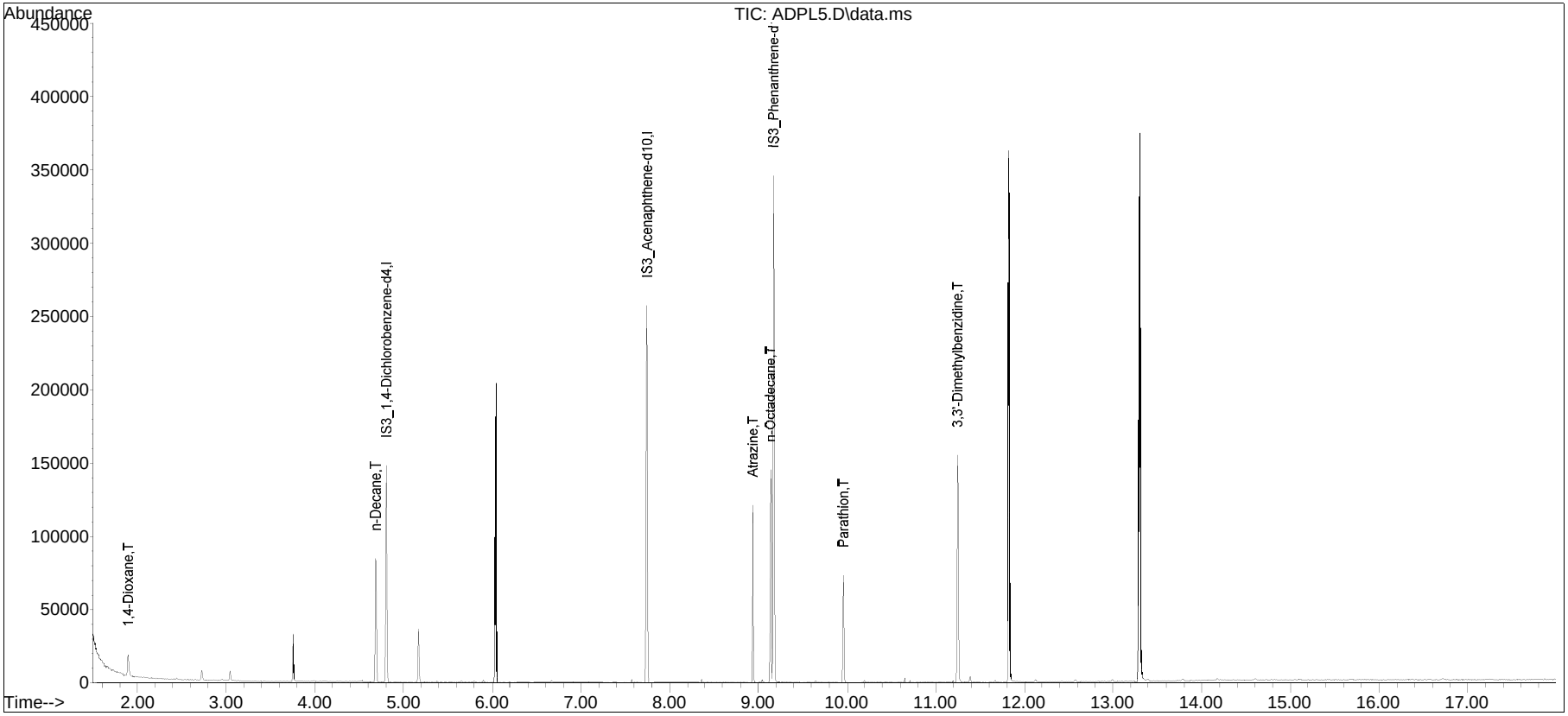
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

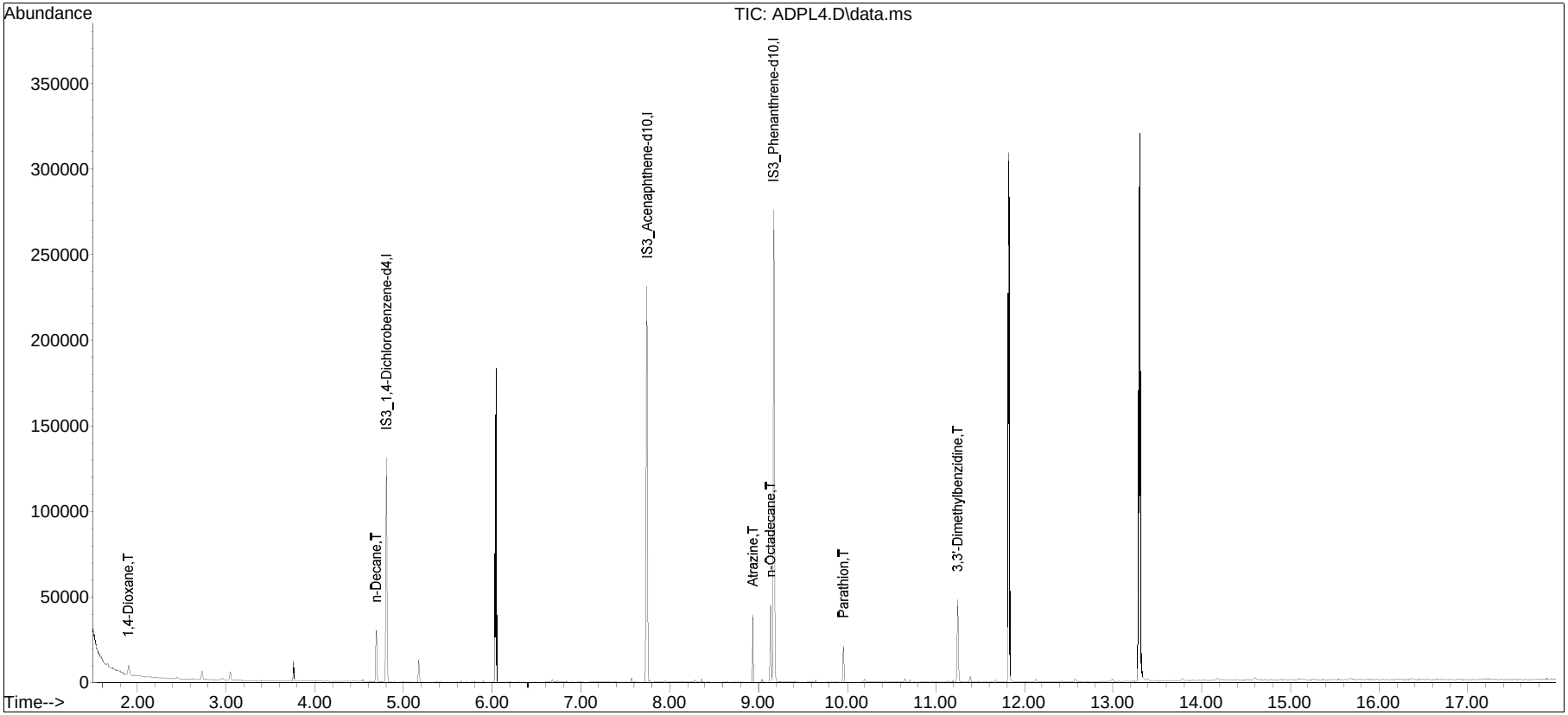
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
32)	IS3_1,4-Dichlorobenzen...	4.805	152	19329	4.000	ug/ml		0.00
	Standard Area 1 = 20189			Recovery =	95.74%			
86)	IS3_Acenaphthene-d10	7.746	164	44400	4.000	ug/ml		0.00
	Standard Area 1 = 45088			Recovery =	98.47%			
100)	IS3_Phenanthrene-d10	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

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

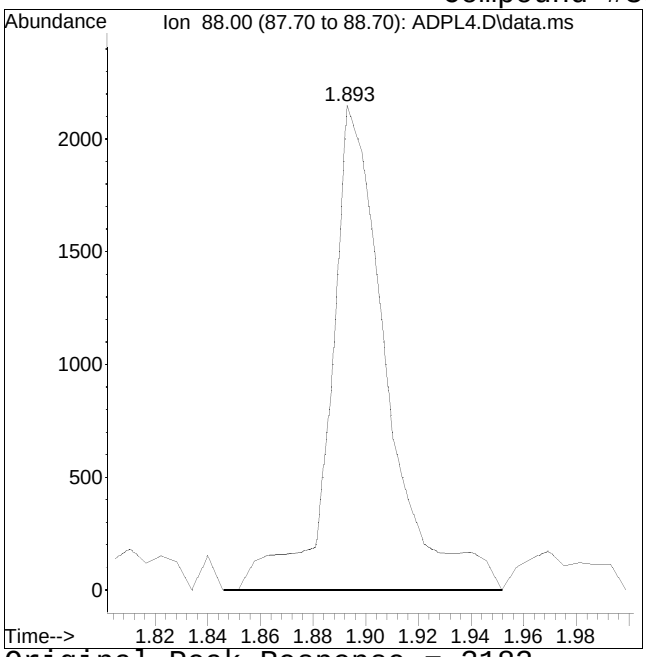
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



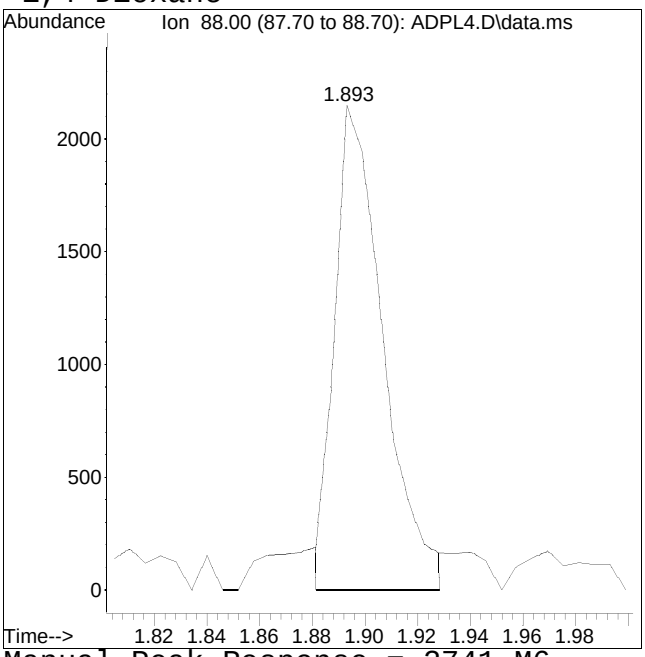
Manual Integration Report

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

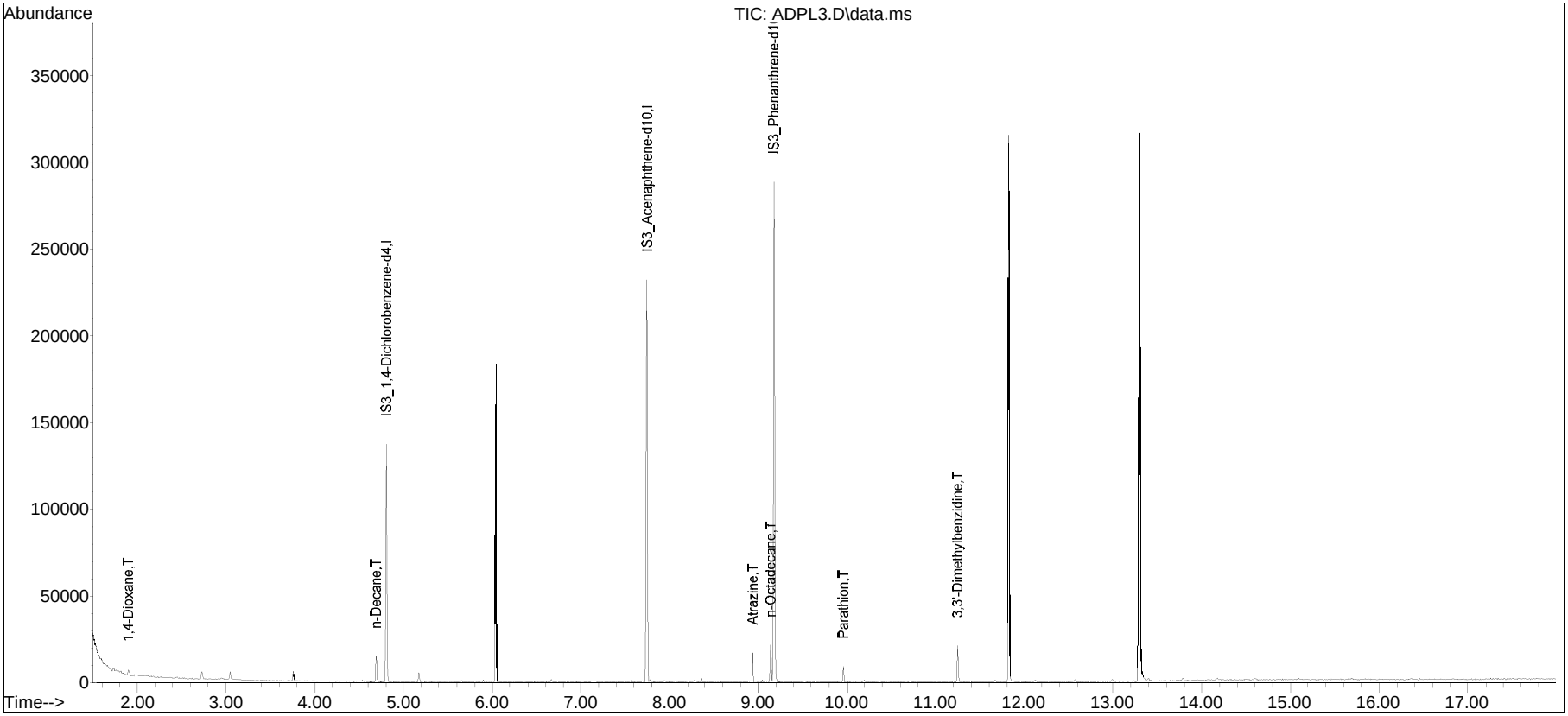
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	20408	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	101.08%		
86) IS3_Acenaphthene-d10	7.746	164	46018	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	102.06%		
100) IS3_Phenanthrene-d10	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

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

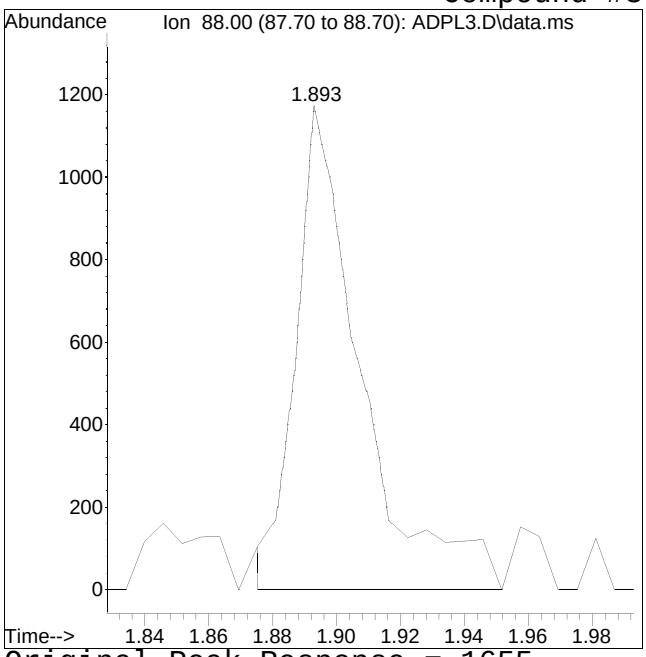
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



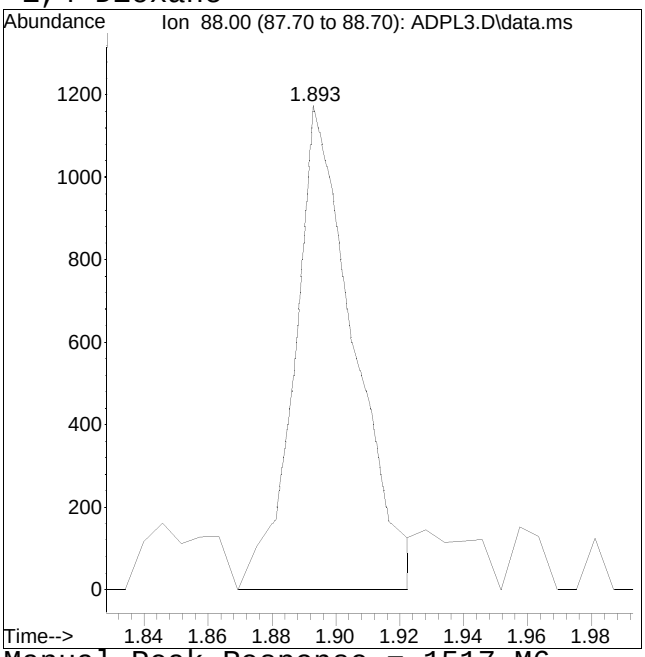
Manual Integration Report

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

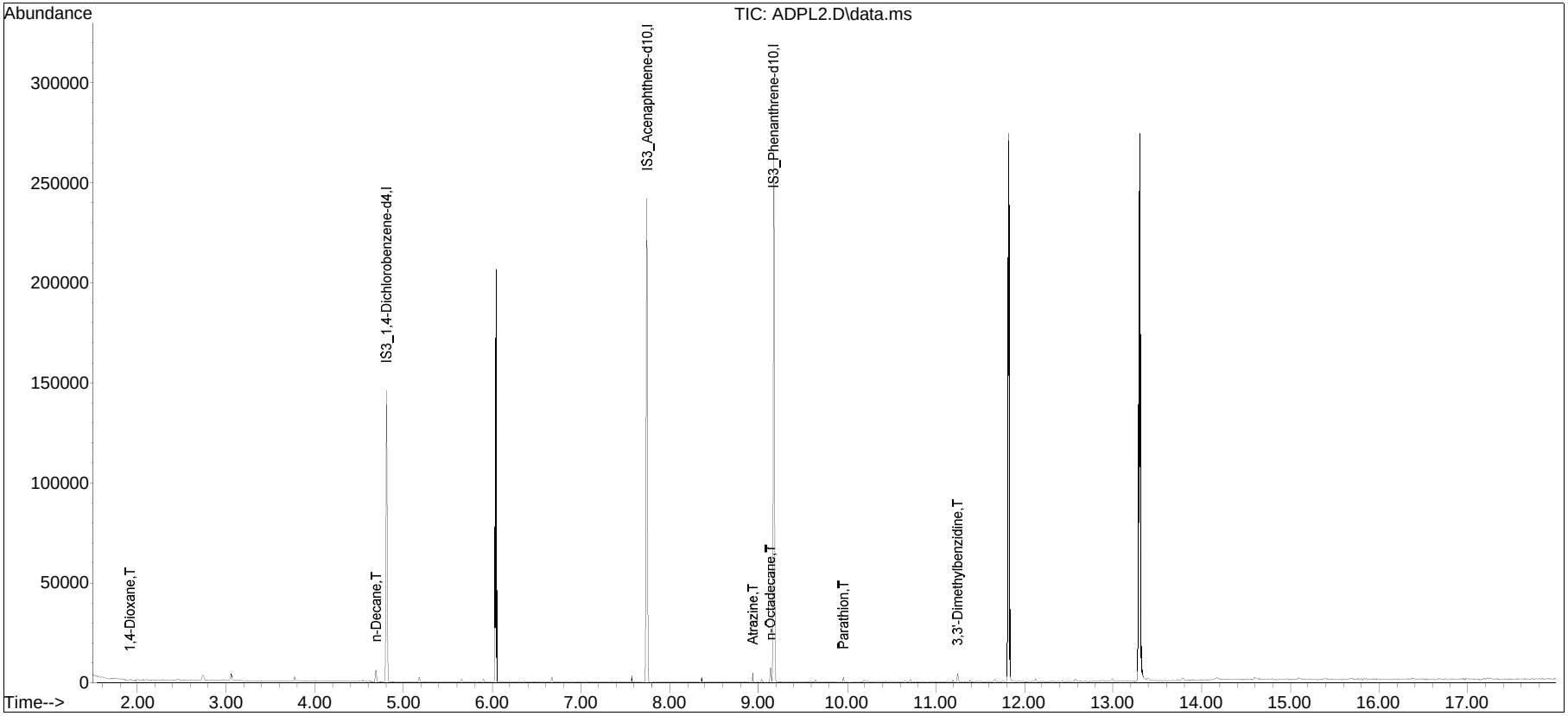
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	22327	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	110.59%		
86) IS3_Acenaphthene-d10	7.746	164	46135	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	102.32%		
100) IS3_Phenanthrene-d10	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

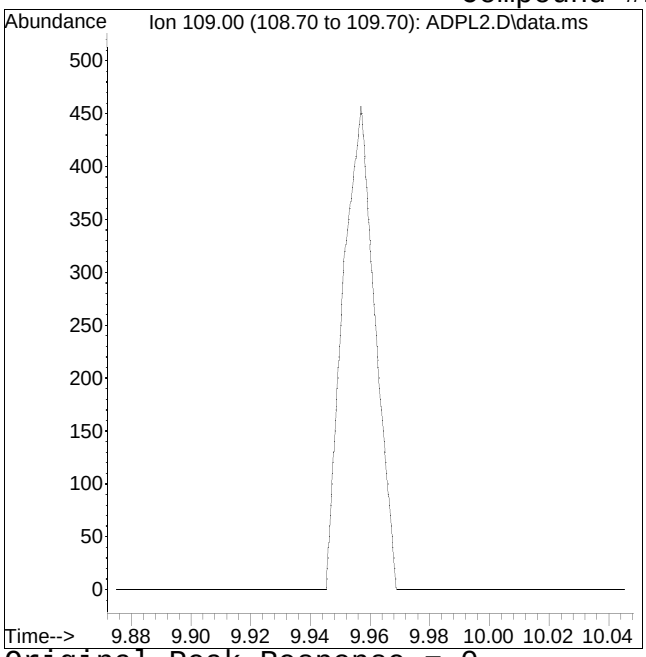
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



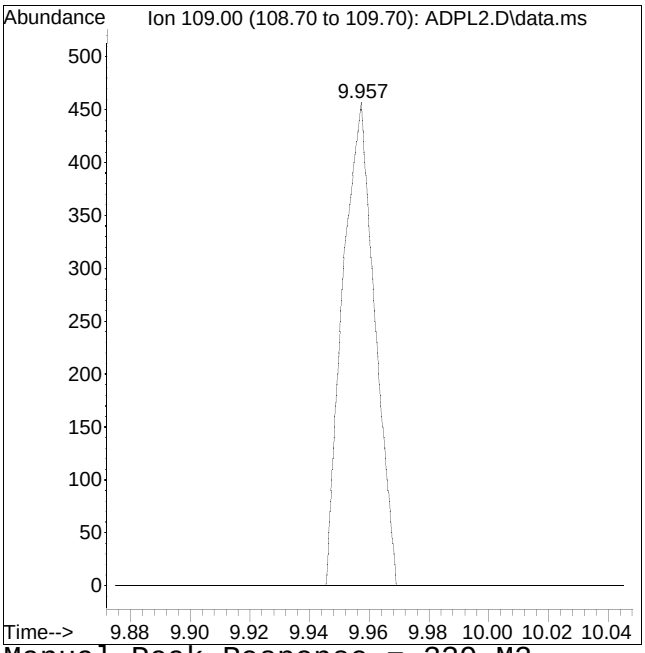
Manual Integration Report

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

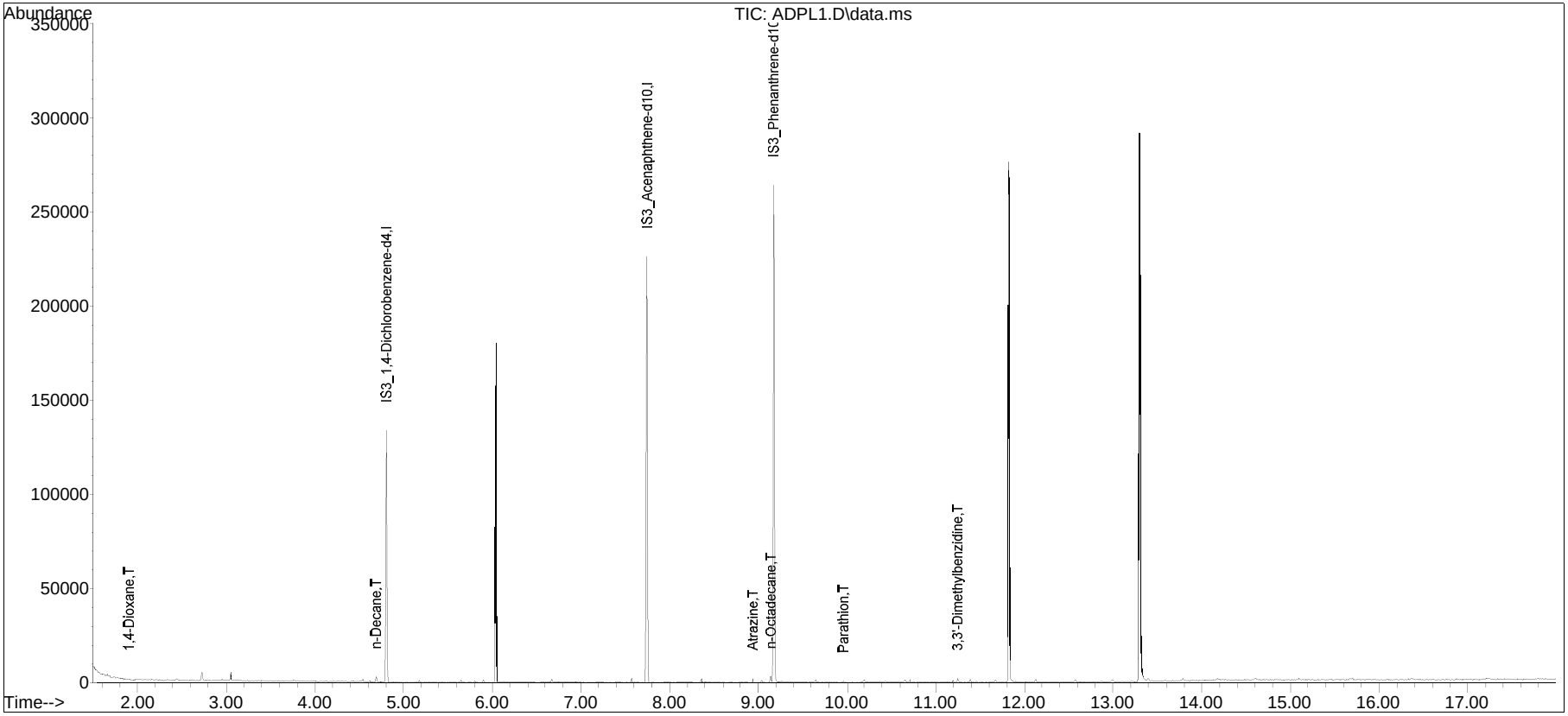
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	19406	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery = 96.12%			
86) IS3_Acenaphthene-d10	7.746	164	43780	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery = 97.10%			
100) IS3_Phenanthrene-d10	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

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

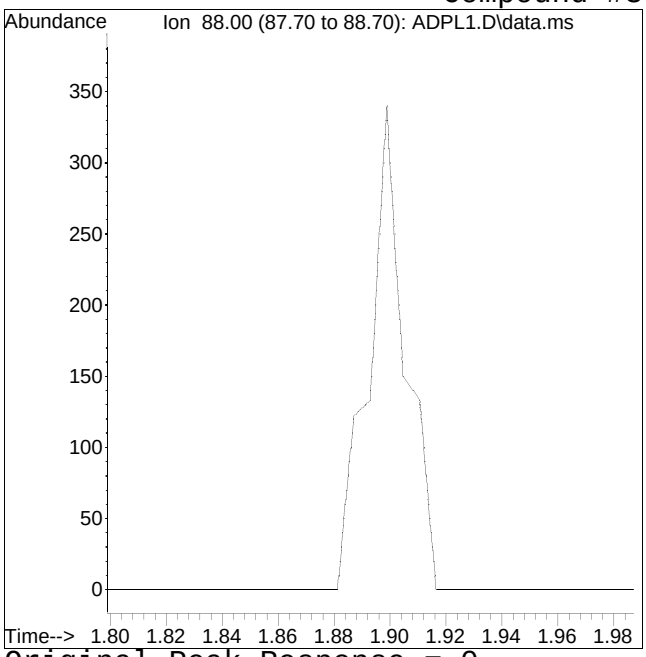
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



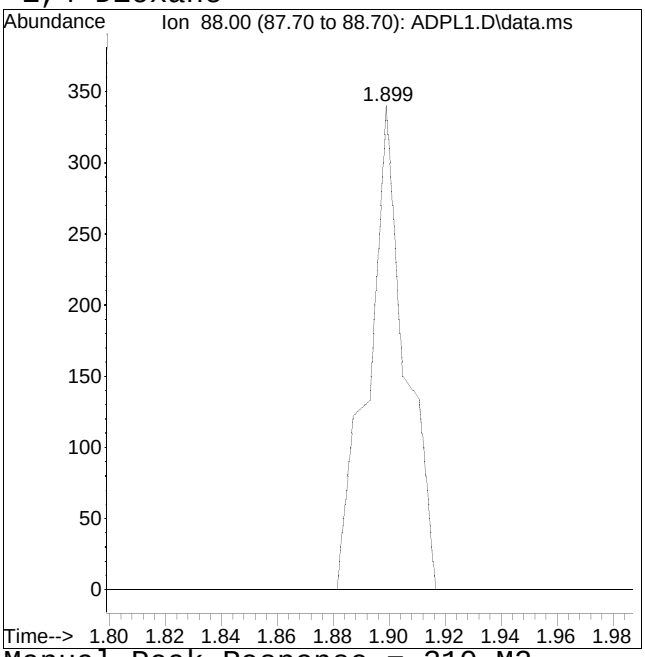
Manual Integration Report

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



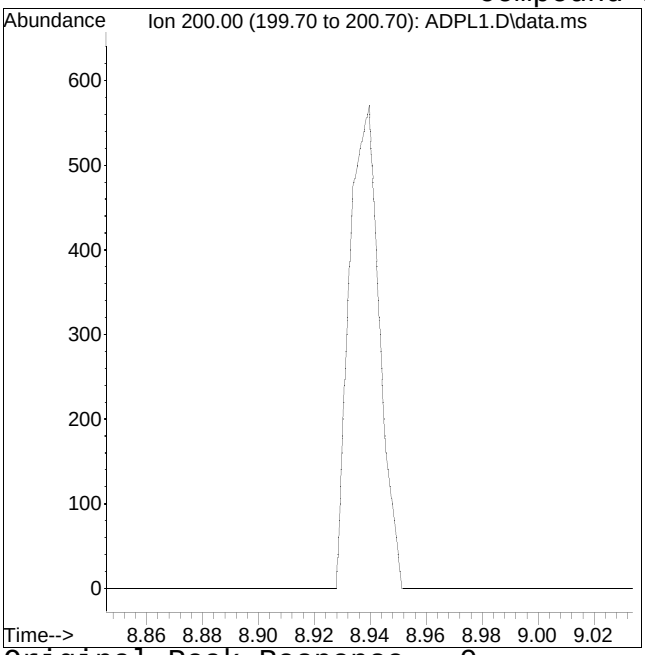
Manual Peak Response = 310 M2

M2 = Peak not found by automatic integration algorithm.

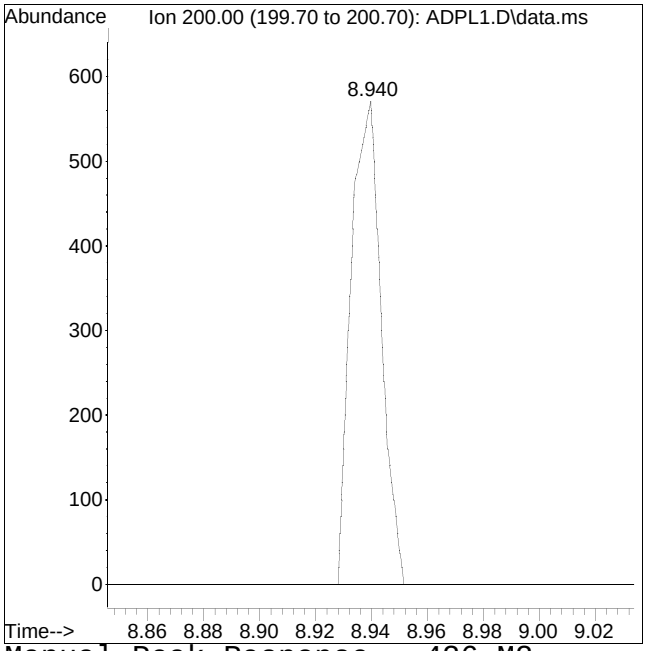
Manual Integration Report

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



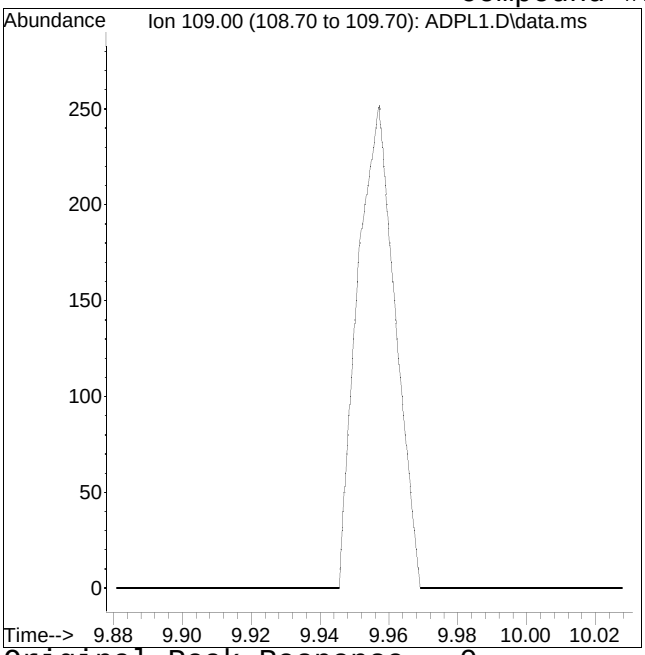
Manual Peak Response = 426 M2

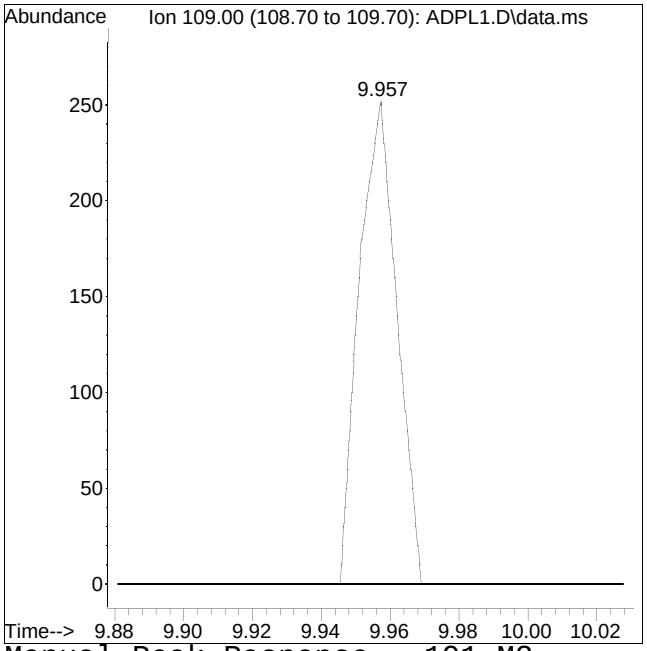
M2 = Peak not found by automatic integration algorithm.

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

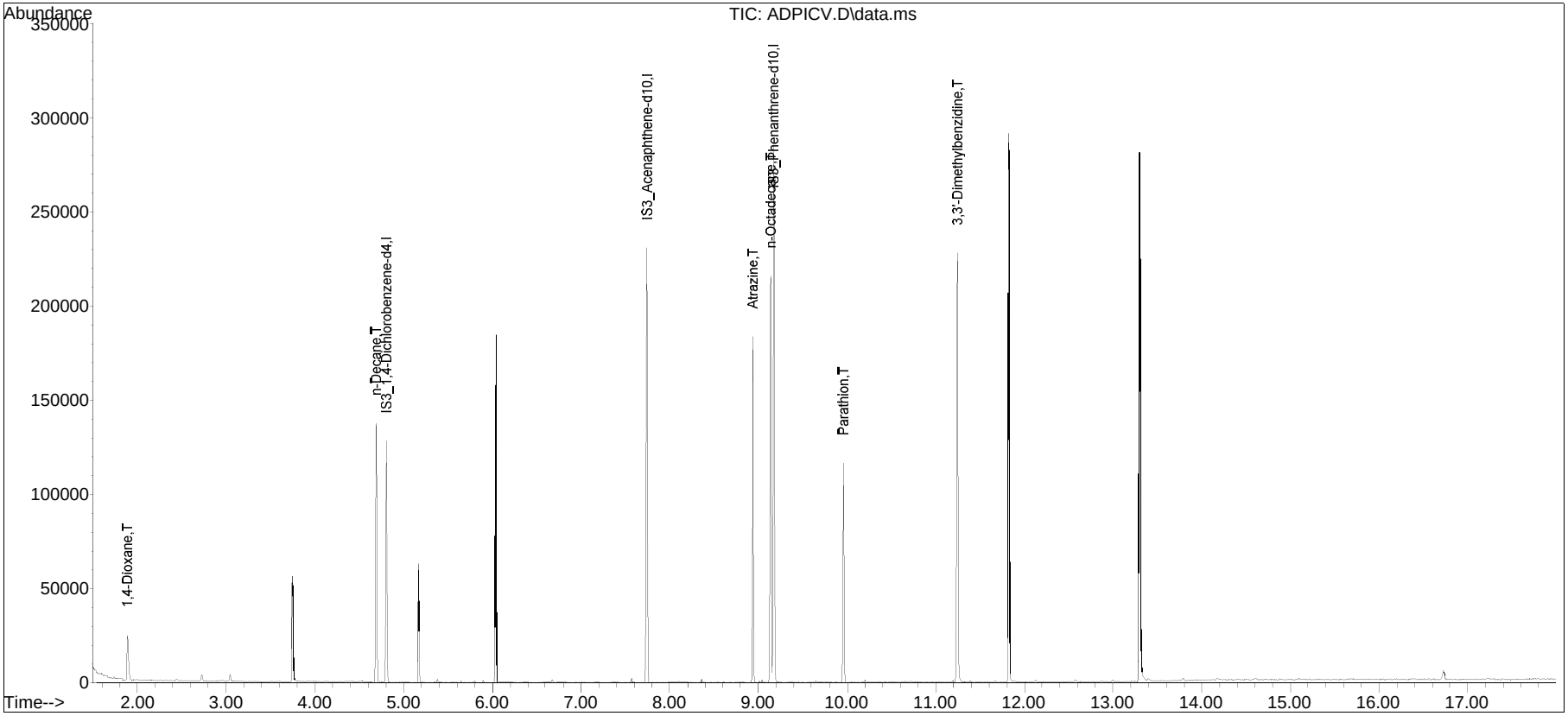
(#) = qualifier out of range (m) = manual integration (+) = signals summed

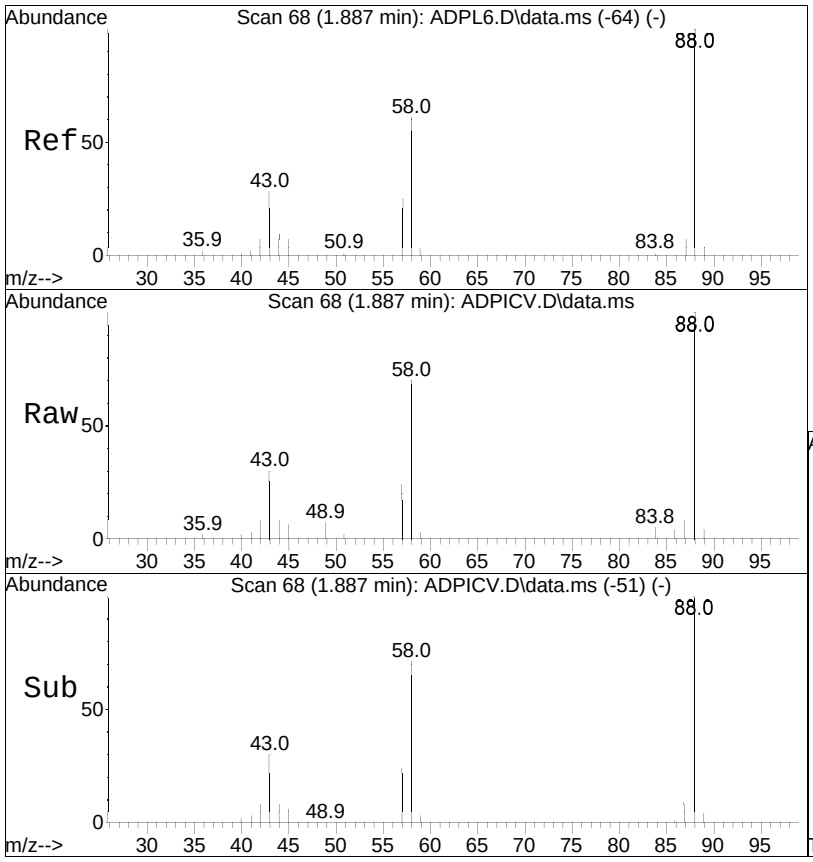
Quantitation Report (QT Reviewed)

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•

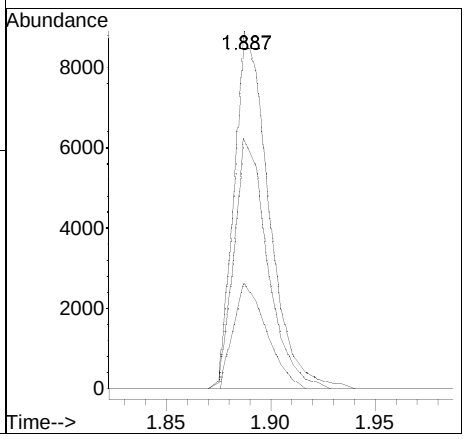


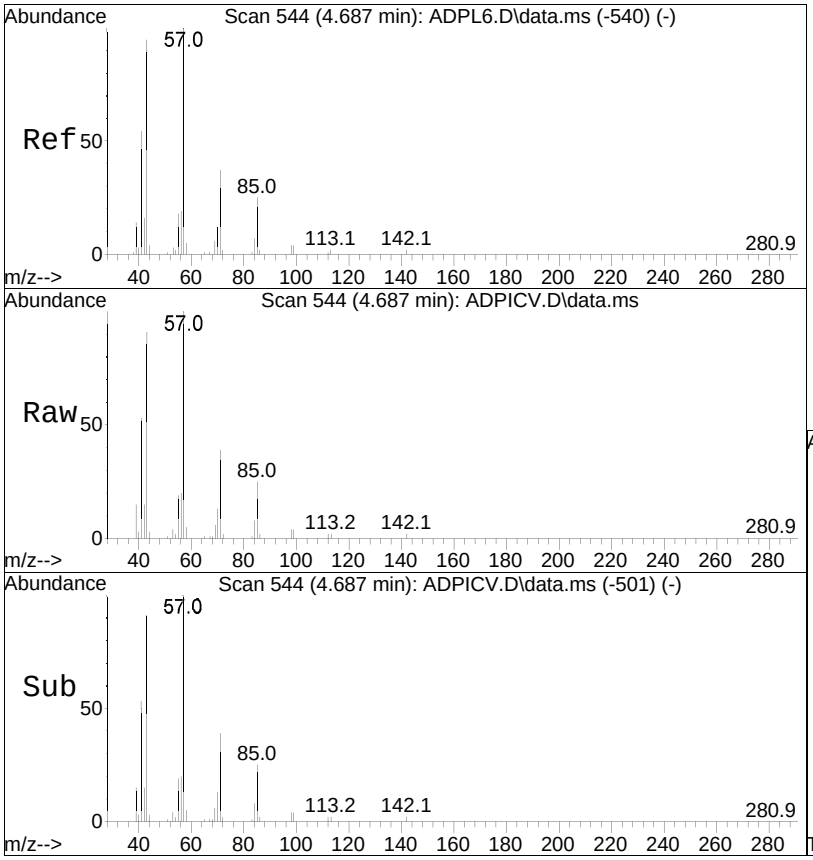


#33
1,4-Dioxane
Concen: 4.64 ug/ml
RT: 1.887 min Scan# 68
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

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

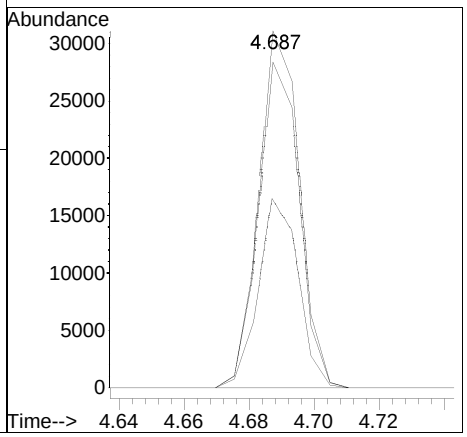


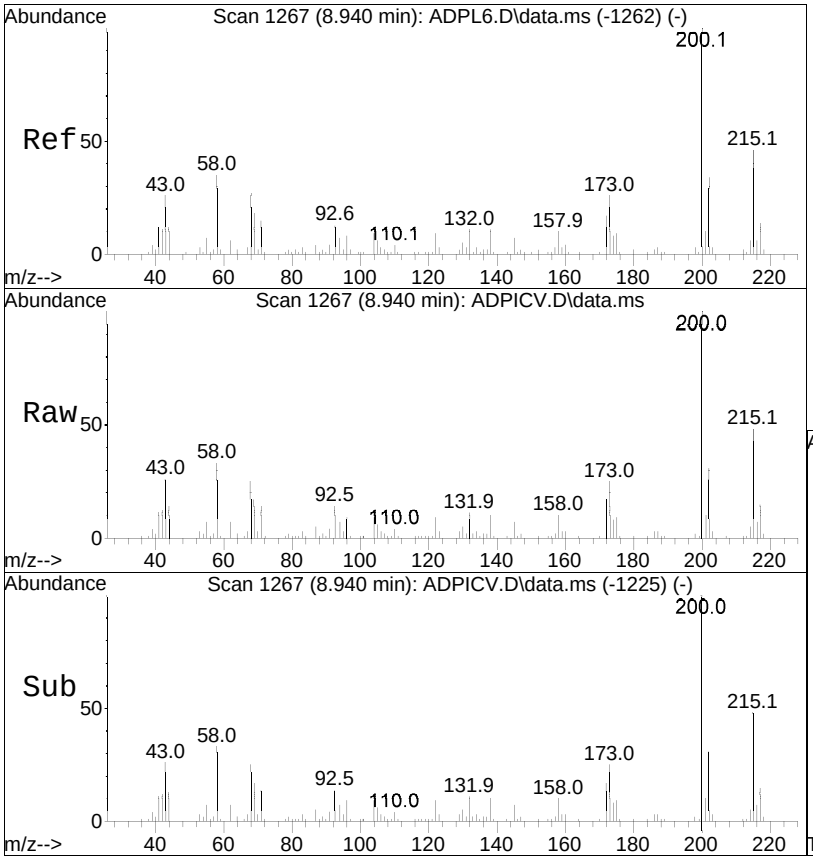


#34
n-Decane
Concen: 5.01 ug/ml
RT: 4.687 min Scan# 544
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

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

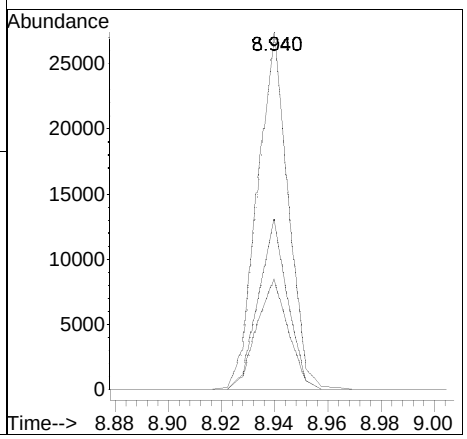


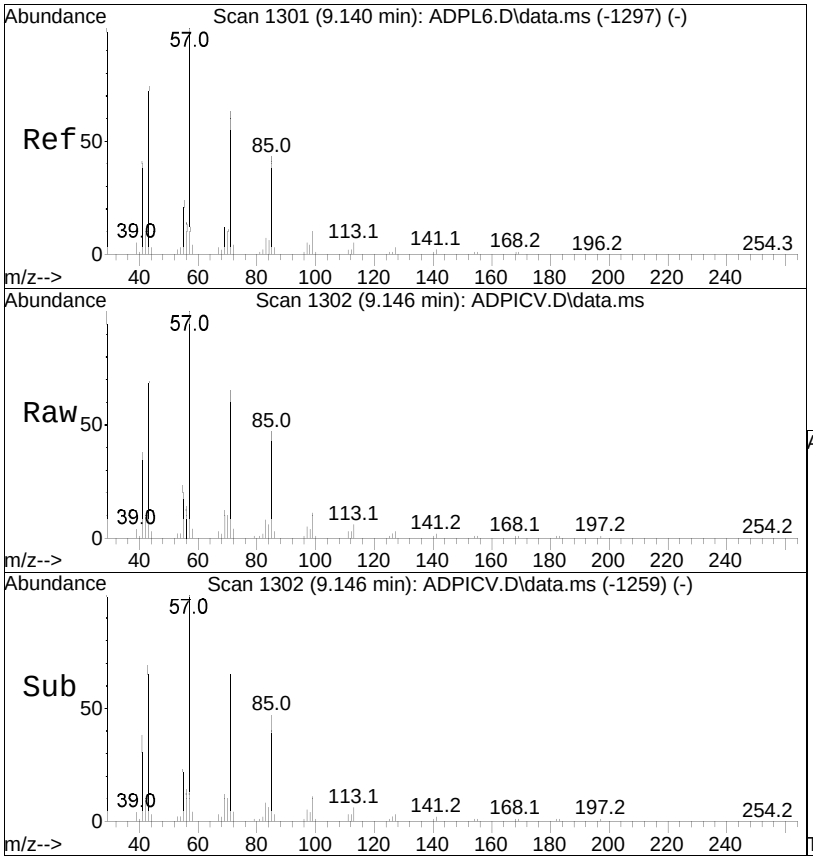


#87
Atrazine
Concen: 4.36 ug/ml
RT: 8.940 min Scan# 1267
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

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

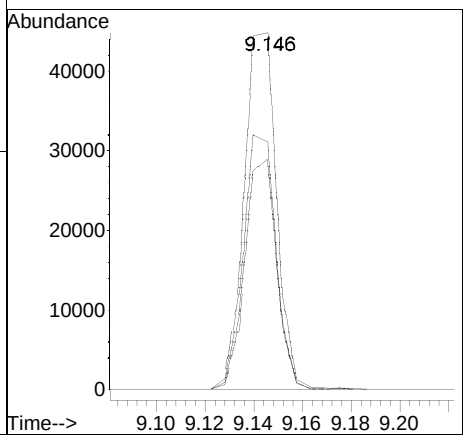


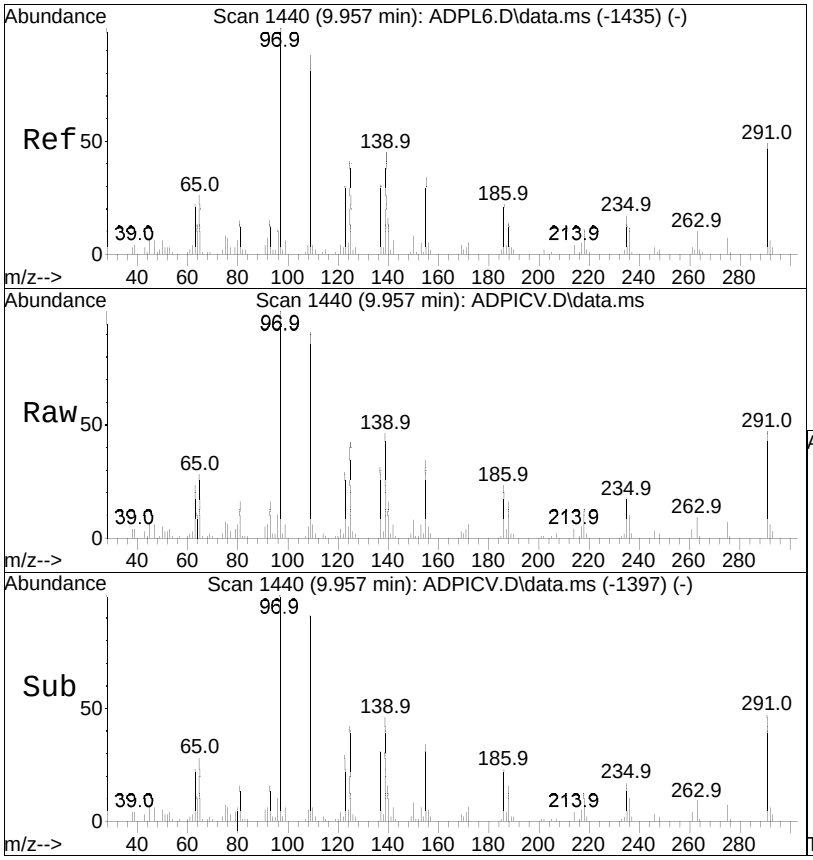


#101
n-Octadecane
Concen: 4.81 ug/ml
RT: 9.146 min Scan# 1302
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

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

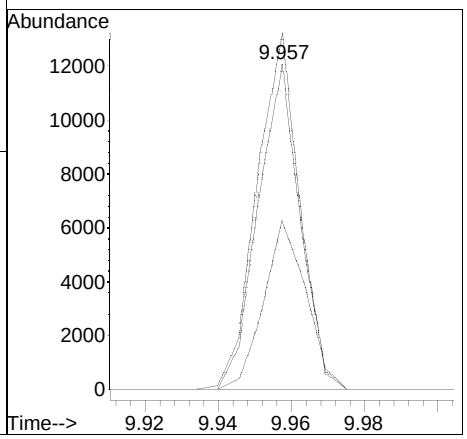


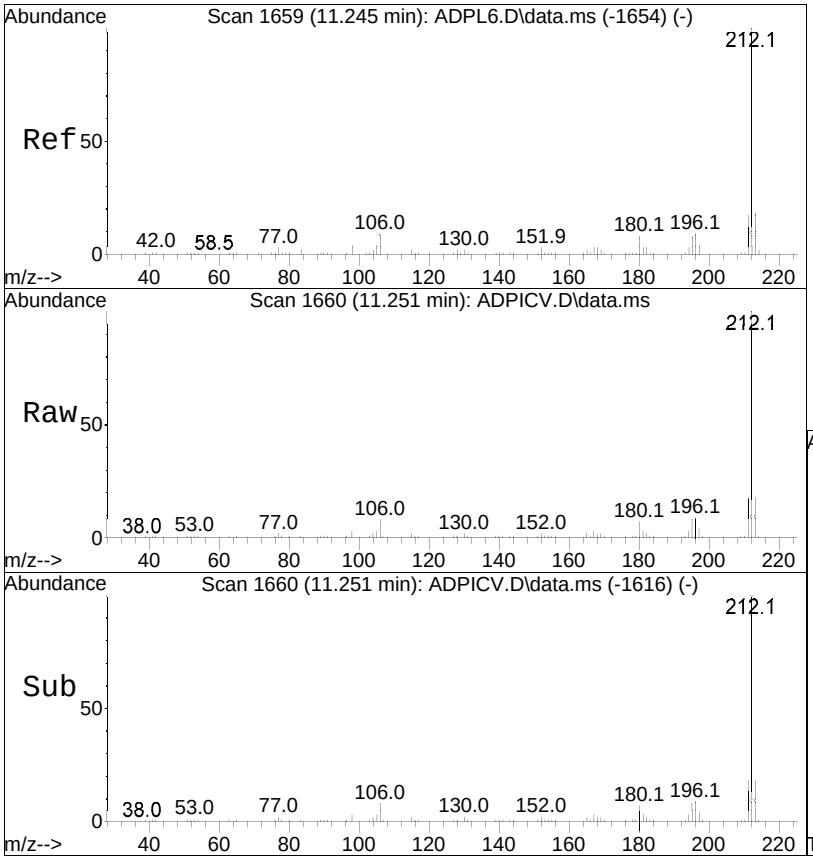


#102
Parathion
Concen: 3.99 ug/ml
RT: 9.957 min Scan# 1440
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

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#

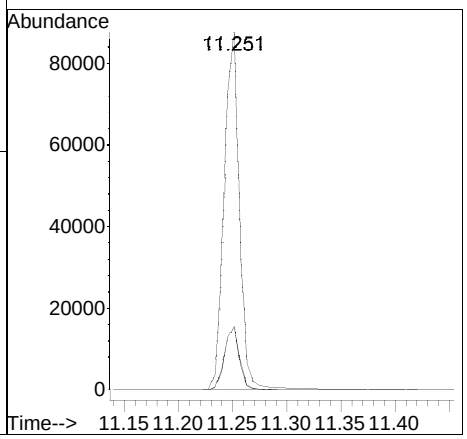




#103
3,3'-Dimethylbenzidine
Concen: 3.95 ug/ml
RT: 11.251 min Scan# 1660
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

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

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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	0.688	0.547	0.631	0.657	0.592	0.619	0.625	0.637	0.677	0.630	6.87
3)	t	Pyridine	0.718	0.742	0.925	1.043	0.961	1.016	1.039	1.024	1.118	0.954	14.48
4)	S	2-Fluorophenol	1.049	1.004	1.119	1.011	0.907	1.005	1.012	1.034	1.114	1.028	6.19
5)	T	Aniline	1.820	1.428	1.670	1.497	1.407	1.535	1.513	1.561	1.671	1.567	8.42
6)	t	2-Chlorophenol	1.412	1.055	1.248	1.201	1.124	1.210	1.219	1.242	1.314	1.225	8.34
7)	S	Phenol-d6	1.562	1.289	1.387	1.281	1.108	1.276	1.276	1.308	1.365	1.317	9.16
8)	T	Phenol	1.717	1.324	1.459	1.383	1.257	1.388	1.373	1.397	1.488	1.421	9.16
9)	T	bis(2-Chloroethyl)ether	1.289	0.906	1.073	0.962	0.928	0.981	0.987	0.993	1.037	1.017	11.18
10)	T	1,3-Dichlorobenzene	1.989	1.455	1.700	1.552	1.372	1.510	1.497	1.511	1.602	1.577	11.40
11)	T	1,4-Dichlorobenzene	2.118	1.551	1.603	1.571	1.432	1.536	1.512	1.529	1.633	1.610	12.35
12)	T	1,2-Dichlorobenzene	1.695	1.566	1.655	1.525	1.383	1.466	1.447	1.489	1.583	1.534	6.57
13)	t	Benzyl alcohol	1.016	0.858	0.891	0.896	0.818	0.912	0.930	0.995	1.055	0.930	8.32
14)	T	bis(2-chloroisopropyl)ether	2.239	1.745	1.843	1.773	1.610	1.706	1.707	1.728	1.793	1.794	9.98
15)	T	2-Methylphenol	1.301	1.037	1.137	1.033	0.949	1.014	1.050	1.065	1.130	1.079	9.34
16)	T	Hexachloroethane	0.791	0.505	0.620	0.596	0.507	0.543	0.558	0.571	0.615	0.589	14.63
17)	T	n-Nitrosodi-n-propylamine	1.121	0.834	0.856	0.811	0.724	0.813	0.829	0.866	0.909	0.863	12.65
18)	T	3-Methylphenol/4-Methylphenol	1.510	1.200	1.173	1.153	0.986	1.108	1.108	1.166	1.239	1.182	12.02
19)	S	Nitrobenzene-d5	1.239	1.148	1.175	1.191	1.071	1.176	1.187	1.238	1.328	1.195	5.92
20)	T	Nitrobenzene	1.353	1.122	1.287	1.162	1.081	1.203	1.212	1.254	1.326	1.222	7.51
21)	T	Isophorone	2.724	2.161	2.268	2.038	1.932	2.172	2.181	2.313	2.433	2.247	10.29
22)	T	2-Nitrophenol	0.655	0.587	0.609	0.564	0.538	0.598	0.623	0.674	0.721	0.619	9.18
23)	T	2,4-Dimethylphenol	1.368	1.006	1.085	1.051	0.963	1.062	1.074	1.108	1.188	1.101	10.75
24)	T	bis(2-Chloroethoxy)methane	1.605	1.319	1.550	1.332	1.236	1.352	1.353	1.401	1.451	1.400	8.36
25)	T	2,4-Dichlorophenol	1.548	1.174	1.340	1.190	1.118	1.246	1.245	1.307	1.399	1.285	10.22
26)	T	1,2,4-Trichlorobenzene	1.977	1.522	1.585	1.488	1.349	1.476	1.475	1.515	1.611	1.555	11.25
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.535	0.565	0.698	0.703	0.698	0.762	0.770	0.814	0.786	0.703	13.73
29)	T	Acetophenone	1.107	1.282	1.407	1.330	1.361	1.463	1.521	1.608	1.552	1.403	11.02
30)	T	m-Toluidine			1.080	1.092	1.257	1.323	1.390	1.457	1.409	1.287	11.76
31)	T	2-Chloroaniline	1.078	1.270	1.369	1.264	1.363	1.427	1.471	1.559	1.510	1.368	10.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.252	0.402	0.398	0.392	0.404	0.400	0.409	0.392	0.381	13.71
34)	t	n-Nitrosodieth...		0.349	0.372	0.347	0.382	0.401	0.414	0.437	0.420	0.390	8.57
35)	T	n-Decane	0.828	1.074	1.101	0.967	1.017	1.097	1.087	1.158	1.107	1.048	9.45
36)	t	n-Nitrosopyrro...	0.287	0.406	0.461	0.431	0.441	0.486	0.521	0.550	0.537	0.458	17.68
37)	I	IS1_Naphthalene-d8	----------ISTD----------										
38)	T	Naphthalene	1.453	1.116	1.167	1.048	0.965	1.022	1.010	1.038	1.082	1.100	13.19
39)	T	Benzoic Acid					0.170	0.206	0.226	0.257	0.279	0.228	18.76
40)	T	4-Chloroaniline	0.150	0.114	0.123	0.117	0.108	0.118	0.114	0.119	0.125	0.121	9.98
41)	T	Hexachlorobutadiene	0.298	0.234	0.285	0.254	0.231	0.250	0.249	0.255	0.270	0.258	8.55
42)	T	p-Chloro-m-cresol	0.342	0.278	0.308	0.267	0.246	0.280	0.275	0.298	0.315	0.290	9.94
43)	T	2-Methylnaphthalene	1.045	0.738	0.807	0.705	0.659	0.700	0.706	0.729	0.763	0.761	15.02
44)	T	1-Methylnaphthalene	0.321	0.228	0.254	0.233	0.207	0.232	0.225	0.231	0.246	0.242	13.41
45)	T	Hexachlorocyclopentadiene	0.297	0.225	0.280	0.262	0.240	0.269	0.274	0.291	0.311	0.272	10.00

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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)	T	2,4,6-Trichlorophenol	0.326	0.279	0.279	0.267	0.250	0.278	0.282	0.300	0.320	0.287	8.51
47)	T	2,4,5-Trichlorophenol	0.399	0.300	0.312	0.309	0.278	0.301	0.313	0.325	0.347	0.320	10.95
48)	S	2-Fluorobiphenyl	1.386	0.978	1.052	0.941	0.852	0.912	0.902	0.920	0.968	0.990	16.04
49)	T	2-Chloronaphthalene	1.113	0.897	0.884	0.813	0.728	0.799	0.774	0.811	0.853	0.852	13.02
50)	T	2-Nitroaniline	0.220	0.198	0.212	0.207	0.184	0.216	0.223	0.243	0.260	0.218	10.43
51)	T	1,4-Dinitrobenzene	0.093	0.063	0.090	0.090	0.086	0.094	0.101	0.113	0.122	0.095	17.69
52)	T	1,3-Dinitrobenzene	0.108	0.093	0.120	0.105	0.098	0.114	0.117	0.129	0.137	0.113	12.53
53)	T	Dimethyl phthalate	1.318	0.991	1.021	0.936	0.866	0.923	0.912	0.953	0.998	0.991	13.29
54)	T	Acenaphthylene	1.586	1.204	1.302	1.203	1.092	1.183	1.181	1.230	1.286	1.252	11.14
55)	T	2,6-Dinitrotoluene	0.192	0.157	0.185	0.174	0.167	0.186	0.187	0.201	0.215	0.185	9.50
56)	T	1,2-Dinitrobenzene		0.043	0.065	0.067	0.062	0.070	0.069	0.073	0.080	0.066	16.02
57)	I	IS2_Naphthalene-d8	ISTD										
58)	T	a-Terpineol	0.162	0.210	0.212	0.213	0.210	0.235	0.239	0.261	0.251	0.221	13.16
59)	T	3-Chloroaniline		0.086	0.112	0.111	0.106	0.125	0.121	0.129	0.125	0.115	12.17
60)	T	2,6-Dichlorophenol	0.250	0.246	0.297	0.277	0.286	0.319	0.317	0.339	0.329	0.296	11.35
61)	T	1-chloro-2-nitrobenzene	0.068	0.091	0.114	0.114	0.114	0.126	0.124	0.137	0.133	0.113	19.26
62)	T	Caprolactam	0.115	0.103	0.112	0.114	0.113	0.127	0.132	0.146	0.142	0.123	12.07
63)	T	1,2,4,5-Tetrachlorobenzene	0.355	0.419	0.415	0.393	0.401	0.437	0.417	0.450	0.429	0.413	6.76
64)	T	Biphenyl	0.719	0.789	0.880	0.804	0.823	0.897	0.870	0.918	0.876	0.842	7.51
65)	I	IS1_Acenaphthene-d10	ISTD										
66)	T	3-Nitroaniline	0.312	0.289	0.294	0.288	0.284	0.310	0.324	0.332	0.349	0.309	7.30
67)	T	Acenaphthene	1.665	1.203	1.195	1.092	1.004	1.062	1.049	1.077	1.122	1.163	17.13
68)	T	2,4-Dinitrophenol				0.130	0.149	0.172	0.185	0.208	0.226	*L	0.9959
69)	T	Dibenzofuran	2.796	2.124	2.085	1.944	1.749	1.824	1.814	1.833	1.885	2.006	16.04
70)	T	2,4-Dinitrotoluene	0.373	0.326	0.366	0.349	0.361	0.402	0.410	0.433	0.464	0.387	11.29
71)	T	4-Nitrophenol	0.229	0.206	0.209	0.221	0.208	0.233	0.237	0.255	0.273	0.230	9.86
72)	T	2,3,5,6-Tetrachlorophenol	0.465	0.419	0.459	0.406	0.390	0.425	0.429	0.454	0.481	0.436	6.86
73)	T	2,3,4,6-Tetrachlorophenol	0.536	0.376	0.418	0.411	0.383	0.413	0.421	0.432	0.461	0.428	11.15
74)	T	Diethyl phthalate	2.187	1.601	1.621	1.458	1.366	1.435	1.445	1.489	1.570	1.575	15.53
75)	T	Fluorene	2.060	1.606	1.598	1.495	1.311	1.420	1.399	1.439	1.498	1.536	14.16
76)	T	4-Chlorophenyl-phenylether	1.099	0.823	0.819	0.767	0.683	0.722	0.716	0.736	0.762	0.792	15.66
77)	T	4-Nitroaniline	0.236	0.258	0.299	0.296	0.275	0.312	0.317	0.337	0.357	0.299	12.76
78)	T	4,6-Dinitro-o-cresol	0.240	0.149	0.221	0.215	0.210	0.242	0.251	0.278	0.300	0.234	18.54
79)	T	NDPA/DPA	1.902	1.355	1.398	1.272	1.134	1.220	1.202	1.245	1.300	1.337	16.94
80)	T	Azobenzene	1.550	1.299	1.365	1.219	1.116	1.216	1.210	1.254	1.298	1.281	9.61
81)	S	2,4,6-Tribromophenol	0.315	0.286	0.278	0.265	0.249	0.272	0.276	0.299	0.332	0.286	8.99
82)	T	4-Bromophenyl-phenylether	0.722	0.544	0.560	0.476	0.442	0.474	0.474	0.485	0.517	0.522	16.10
83)	T	Hexachlorobenzene	0.895	0.718	0.682	0.616	0.571	0.586	0.579	0.605	0.656	0.656	15.60
84)	T	Pentachlorophenol	0.372	0.280	0.312	0.320	0.315	0.357	0.379	0.412	0.455	0.356	15.51
85)	I	IS2_Acenaphthene-d10	ISTD										
86)	T	Dichloran		0.151	0.132	0.142	0.146	0.165	0.185	0.214	0.217	0.169	19.47
87)	T	Pentachloronitrobenzene			0.157	0.173	0.164	0.181	0.190	0.220	0.221	0.187	13.74
88)	I	IS3_Acenaphthene-d10	ISTD										
89)	T	Atrazine	0.307	0.322	0.368	0.285	0.313	0.342	0.350	0.401	0.400	0.343	11.90
90)	I	IS1_Phenanthrene-d10	ISTD										

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.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	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14
94)	T	Di-n-butylphthalate	1.417	1.094	1.207	1.105	1.064	1.185	1.204	1.275	1.309	1.207	9.42
95)	T	Fluoranthene	1.943	1.443	1.460	1.351	1.250	1.321	1.315	1.344	1.374	1.422	14.44
96)	T	Benzidine	0.815	0.657	0.698	0.696	0.708	0.801	0.818	0.853	0.900	0.772	10.90
97)	T	Pyrene	2.028	1.546	1.562	1.479	1.353	1.429	1.397	1.427	1.456	1.520	13.29
98)	S	4-Terphenyl-d14	1.660	1.139	1.202	1.092	1.007	1.066	1.052	1.085	1.114	1.157	16.95
99)	T	Butyl benzyl phthalate	0.567	0.415	0.479	0.447	0.453	0.520	0.541	0.594	0.635	0.517	14.34
100)	I	IS2_Phenanthrene-d10	----------ISTD----------										
101)	T	Diphenamid	0.347	0.380	0.392	0.377	0.390	0.434	0.456	0.494	0.474	0.416	12.13
102)	I	IS3_Phenanthrene-d10	----------ISTD----------										
103)	T	n-Octadecane	0.279	0.354	0.355	0.289	0.309	0.332	0.347	0.369	0.369	0.334	10.10
104)	T	Parathion			0.076	0.062	0.069	0.074	0.086	0.106	0.115	*Q	0.9978
105)	T	3,3'-Dimethylbenzidine				0.425	0.542	0.649	0.734	0.845	0.870	*L	0.9972
106)	I	IS1_Chrysene-d12	----------ISTD----------										
107)	T	Benzo[a]anthracene	1.869	1.383	1.408	1.283	1.164	1.251	1.262	1.278	1.301	1.355	15.16
108)	T	3,3'-Dichlorobenzidine	0.587	0.439	0.489	0.467	0.455	0.503	0.519	0.533	0.552	0.505	9.52
109)	T	Chrysene	1.959	1.373	1.454	1.290	1.162	1.224	1.199	1.230	1.250	1.349	18.23
110)	T	bis(2-Ethylhexyl)phthalate	0.831	0.597	0.665	0.632	0.630	0.732	0.775	0.822	0.855	0.726	13.56
111)	T	Di-n-octylphthalate	1.380	1.021	1.044	1.017	1.027	1.217	1.316	1.411	1.473	1.212	15.54
112)	T	Benzo(b)fluoranthene	1.822	1.402	1.469	1.372	1.282	1.313	1.333	1.348	1.437	1.420	11.43
113)	T	Benzo(k)fluoranthene	1.743	1.264	1.425	1.314	1.209	1.355	1.362	1.367	1.409	1.383	10.93
114)	T	Benzo(a)pyrene	1.495	1.196	1.246	1.206	1.127	1.232	1.262	1.289	1.349	1.267	8.34
115)	I	IS1_Perylene-d12	----------ISTD----------										
116)	T	Indeno(1,2,3-cd)pyrene	1.598	1.131	1.193	1.086	1.057	1.169	1.203	1.283	1.387	1.234	13.71
117)	T	Dibenzo[a,h]anthracene	1.503	1.130	1.213	1.140	1.076	1.169	1.186	1.217	1.281	1.213	10.21
118)	T	Benzo(g,h,i)perylene	1.547	1.172	1.230	1.097	1.024	1.118	1.137	1.171	1.234	1.192	12.43

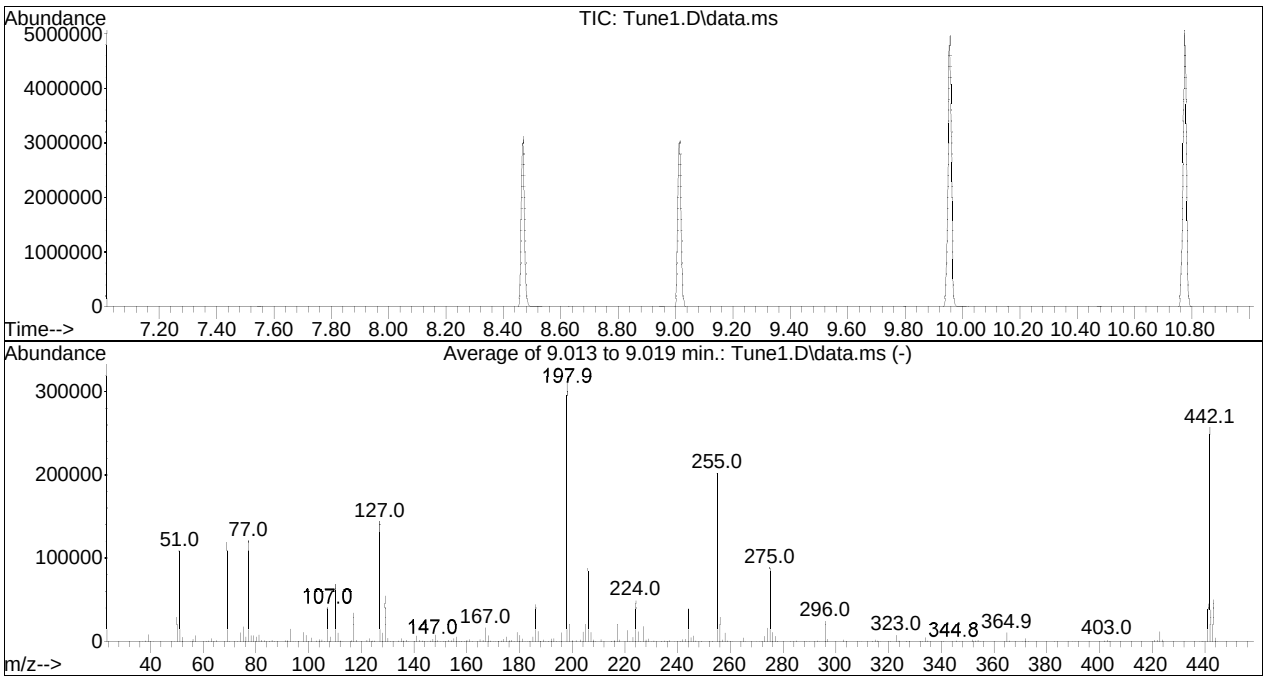
(#) = Out of Range

DFTPP

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024



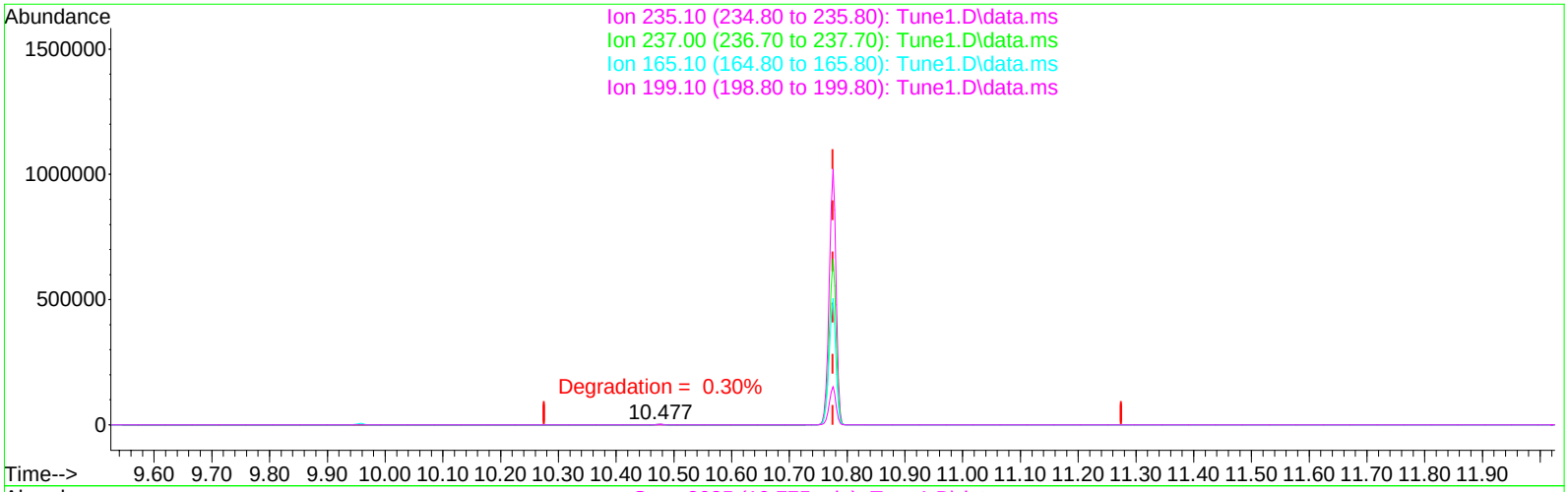
Spectrum Information: Average of 9.013 to 9.019 min.

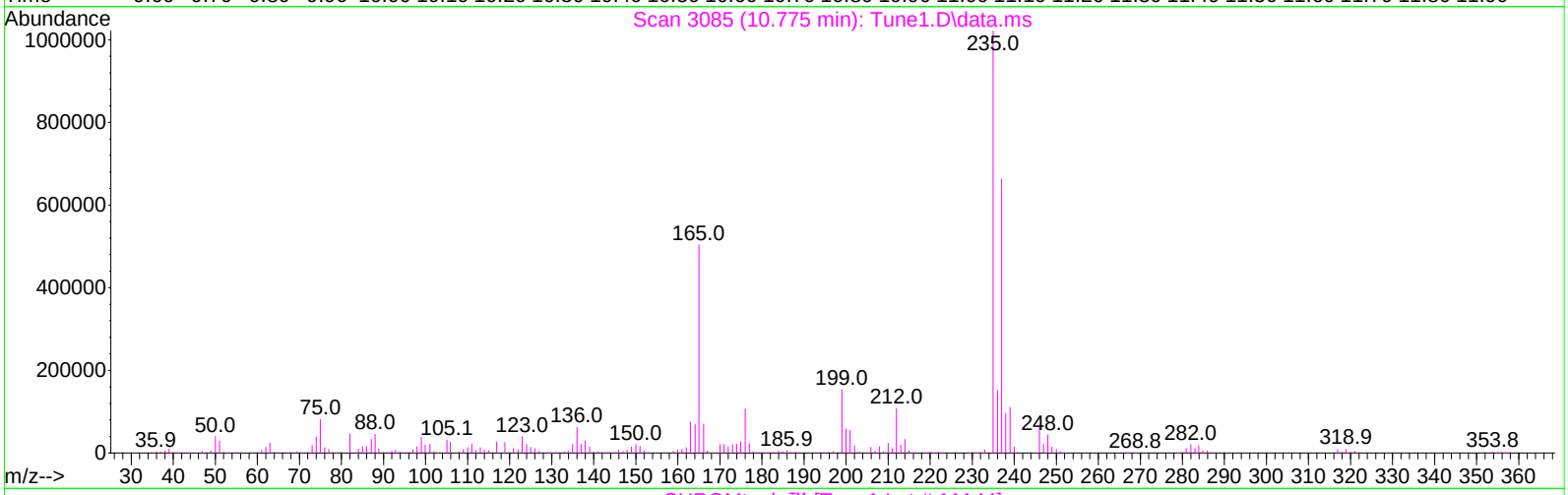
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	108867	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	118323	PASS
70	69	0.00	2	0.6	688	PASS
127	198	10	80	45.2	143328	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	316843	PASS
199	198	5	9	6.5	20619	PASS
275	198	10	60	27.8	88232	PASS
365	198	1	100	3.3	10554	PASS
441	442	0.01	24	17.4	44621	PASS
442	198	50	100	80.8	256128	PASS
443	442	15	24	19.7	50387	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(6) DDT (T)

10.775min (+ 0.000) 139.61

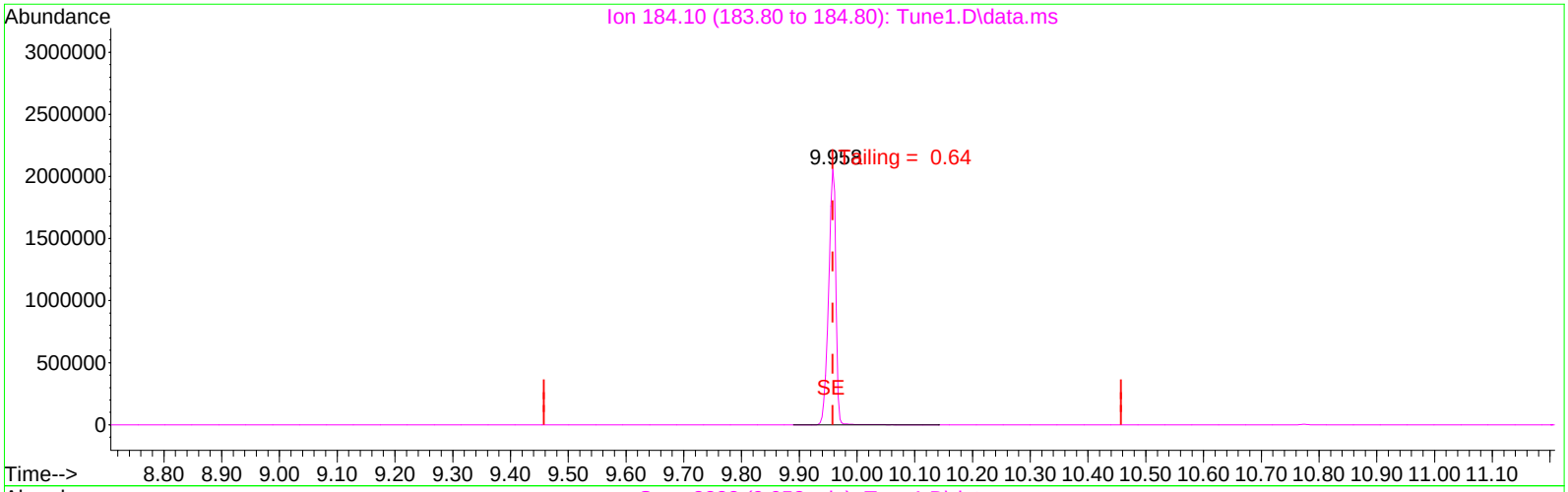
response 851056

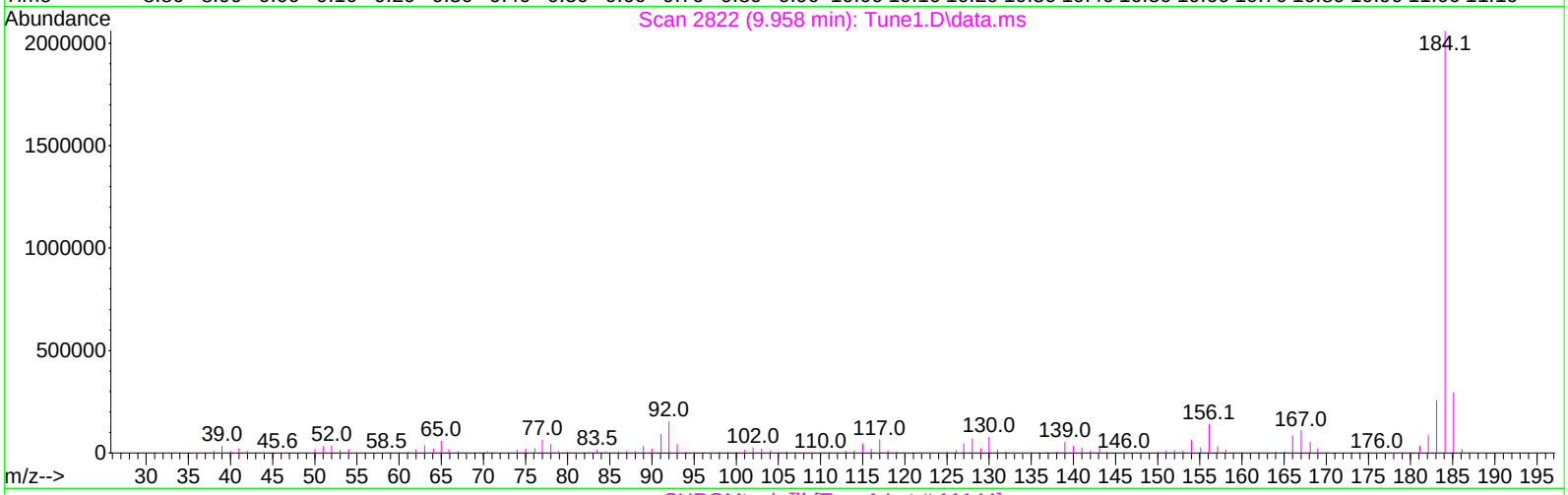
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.29
165.10	48.70	47.50
199.10	15.80	14.59

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(3) Benzidine (T)

9.958min (+ 0.000) 176.60

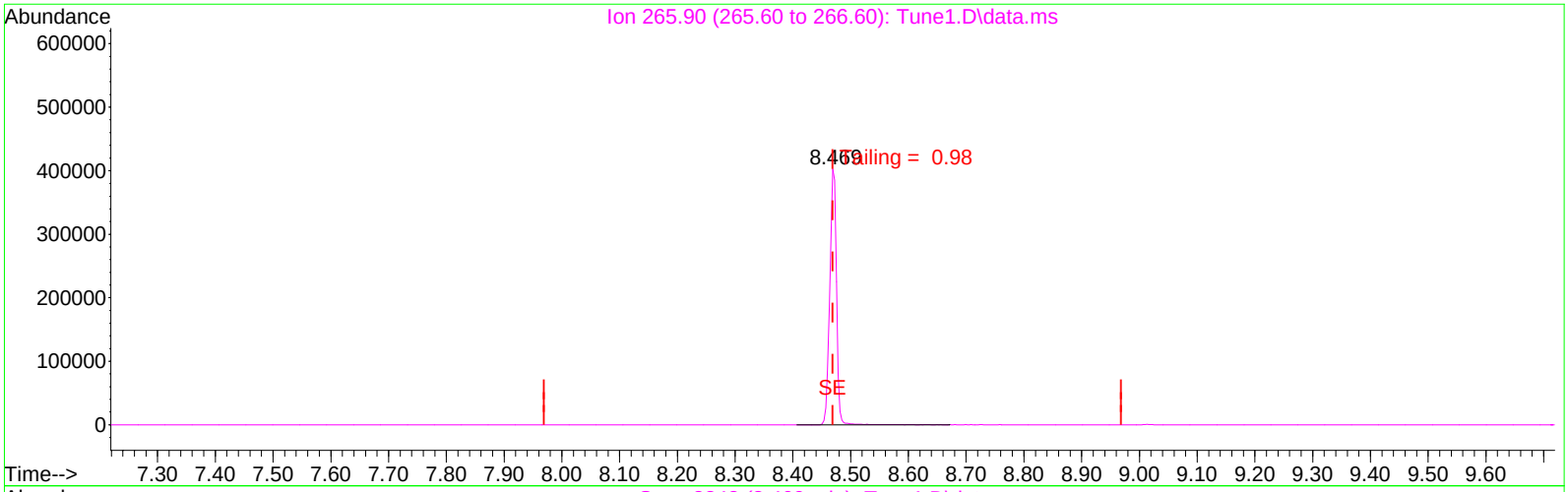
response 1797793

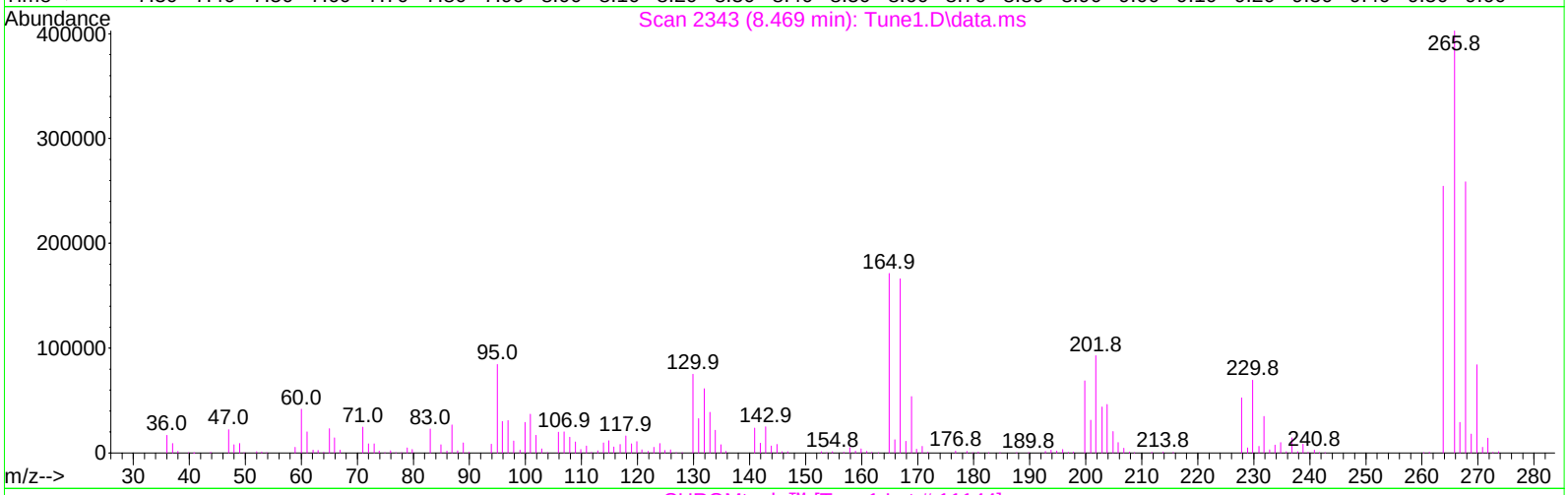
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(1) Pentachlorophenol (T)

8.469min (+ 0.000) 155.17

response 325922

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\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.286	152	30652	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 105.84%		
37) IS1_Naphthalene-d8	5.523	136	115575	4.000 ug/ml #	0.00
Standard Area 1 = 107558			Recovery = 107.45%		
65) IS1_Acenaphthene-d10	7.217	164	76687	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 110.26%		
90) IS1_Phenanthrene-d10	8.628	188	166987	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 111.46%		
106) IS1_Chrysene-d12	11.204	240	194641	4.000 ug/ml	0.01
Standard Area 1 = 173036			Recovery = 112.49%		
115) IS1_Perylene-d12	12.615	264	225226	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 110.75%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	426850	59.194 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2959.70%#		
7) Phenol-d6	3.997	99	522918	56.419 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2820.95%#		
19) Nitrobenzene-d5	4.836	82	509012	60.281 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 6028.10%#		
48) 2-Fluorobiphenyl	6.598	172	1397973	47.353 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4735.30%#		
81) 2,4,6-Tribromophenol	7.978	330	318182	63.648 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3182.40%#		
98) 4-Terphenyl-d14	10.197	244	2326146	51.642 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5164.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.600	74	259400	52.853 ug/ml#	81
3) Pyridine	1.628	79	428290M4	55.731 ug/ml	
5) Aniline	3.972	93	640203	53.323 ug/ml	97
6) 2-Chlorophenol	4.084	128	503520	57.731 ug/ml#	89
8) Phenol	4.009	94	570150	52.586 ug/ml	95
9) Bis(2-chloroethyl)ether	4.062	93	397399	51.752 ug/ml	97
10) 1,3-Dichlorobenzene	4.227	146	613947	47.830 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	625718	49.989 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	606587	50.459 ug/ml	94
13) Benzyl alcohol	4.457	79	404093	59.695 ug/ml	99
14) Bis(2-chloroisopropyl)...	4.593	45	686842	43.928 ug/ml#	58

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	432836	56.676	ug/ml	99
16) Hexachloroethane	4.774	117	235552	51.801	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.730	70	348350	54.578	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.758	108	474628	58.576	ug/ml	98
20) Nitrobenzene	4.855	77	508075	56.813	ug/ml	99
21) Isophorone	5.103	82	932214	56.512	ug/ml	95
22) 2-Nitrophenol	5.168	139	276353	73.081	ug/ml#	86
23) 2,4-Dimethylphenol	5.265	107	455183	59.441	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.346	93	555844	53.062	ug/ml#	95
25) 2,4-Dichlorophenol	5.414	162	535919	56.225	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.482	180	617065	49.088	ug/ml	96
38) Naphthalene	5.545	128	1563409	50.438	ug/ml	99
39) Benzoic Acid	5.448	105	403452	57.603	ug/ml	94
40) 4-Chloroaniline	5.625	65	180490	44.567	ug/ml#	66
41) Hexachlorobutadiene	5.697	225	390074	48.367	ug/ml	99
42) p-Chloro-m-cresol	6.132	107	455050	56.560	ug/ml	90
43) 2-Methylnaphthalene	6.222	142	1101989	50.436	ug/ml	95
44) 1-Methylnaphthalene	6.312	115	355748	49.874	ug/ml	94
45) Hexachlorocyclopentadiene	6.390	237	448866	57.912	ug/ml	98
46) 2,4,6-Trichlorophenol	6.514	196	461815	54.022	ug/ml	99
47) 2,4,5-Trichlorophenol	6.542	196	501540	53.375	ug/ml	99
49) 2-Chloronaphthalene	6.682	162	1232869	48.247	ug/ml	93
50) 2-Nitroaniline	6.806	138	375805	64.681	ug/ml#	76
51) 1,4-Dinitrobenzene	6.940	168	176371	60.844	ug/ml	79
52) 1,3-Dinitrobenzene	7.015	168	197913	57.416	ug/ml#	1
53) Dimethyl phthalate	7.021	163	1441304	47.423	ug/ml#	97
54) Acenaphthylene	7.077	152	1857454	49.980	ug/ml	98
55) 2,6-Dinitrotoluene	7.055	165	311315	60.836	ug/ml#	75
56) 1,2-Dinitrobenzene	7.099	168	114969	57.322	ug/ml	96
66) 3-Nitroaniline	7.207	138	334091	65.269	ug/ml#	84
67) Acenaphthene	7.248	154	1075382	50.509	ug/ml	89
68) 2,4-Dinitrophenol	7.307	184	216833	65.280	ug/ml#	81
69) Dibenzofuran	7.419	168	1807087	49.044	ug/ml#	81
70) 2,4-Dinitrotoluene	7.437	165	444663	62.937	ug/ml#	75
71) 4-Nitrophenol	7.413	65	261902	64.521	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.512	232	460699	61.758	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.552	232	441598	60.168	ug/ml	98
74) Diethyl phthalate	7.702	149	1504708	51.958	ug/ml	98
75) Fluorene	7.745	166	1436151	49.717	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.767	204	730405	48.977	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.801	138	342396	60.275	ug/ml#	69
78)	4,6-Dinitro-o-cresol	7.829	198	287986	56.625	ug/ml#	56
79)	NDPA/DPA	7.891	169	1246099	49.971	ug/ml	93
80)	Azobenzene	7.919	77	1244414	53.600	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.233	248	495260M3	52.189	ug/ml	
83)	Hexachlorobenzene	8.277	284	628621	52.365	ug/ml#	80
84)	Pentachlorophenol	8.472	266	435993	66.782	ug/ml	99
91)	Phenanthrene	8.653	178	2336584	49.387	ug/ml	99
92)	Anthracene	8.702	178	2406283	51.441	ug/ml	98
93)	Carbazole	8.876	167	2253274	51.023	ug/ml	97
94)	Di-n-butylphthalate	9.277	149	2732871	56.111	ug/ml#	98
95)	Fluoranthene	9.793	202	2867925	48.973	ug/ml#	92
96)	Benzidine	9.955	184	1878693	56.269	ug/ml#	94
97)	Pyrene	10.002	202	3038413	48.767	ug/ml	98
99)	Butyl benzyl phthalate	10.716	149	1326004	63.789	ug/ml#	82
107)	Benzo(a)anthracene	11.195	228	3166019	49.297	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.208	252	1342833	57.018	ug/ml#	96
109)	Chrysene	11.236	228	3040984	49.111	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	11.341	149	2080032	61.018	ug/ml#	89
111)	Di-n-octylphthalate	12.003	149	3584357	63.929	ug/ml#	72
112)	Benzo(b)fluoranthene	12.270	252	3497162	53.103	ug/ml#	93
113)	Benzo(k)fluoranthene	12.302	252	3427673M3	52.799	ug/ml	
114)	Benzo(a)pyrene	12.575	252	3281306M2	54.636	ug/ml	
116)	Indeno(1,2,3-cd)pyrene	13.570	276	3906250	56.698	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.595	278	3606363	53.295	ug/ml#	89
118)	Benzo(ghi)perylene	13.784	276	3474271	53.027	ug/ml#	86

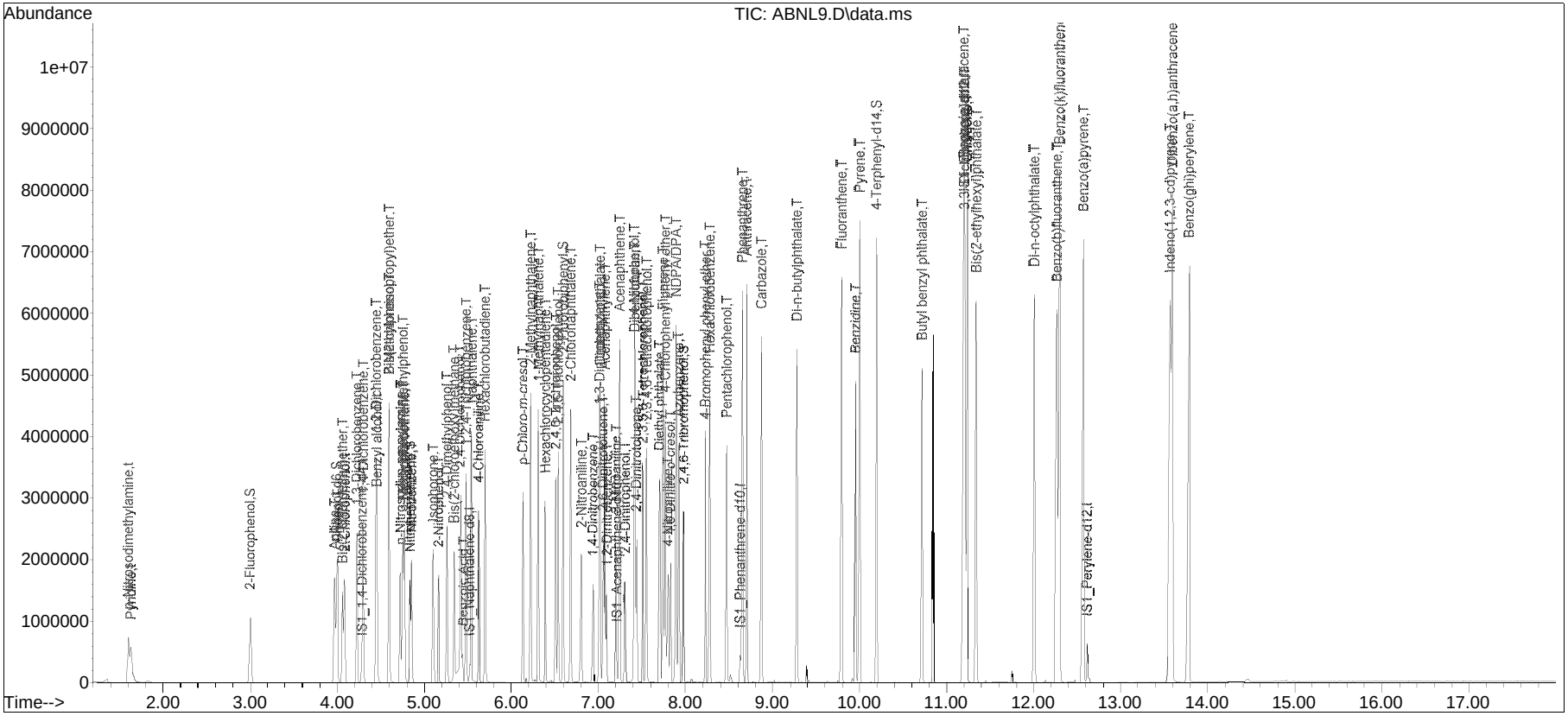
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

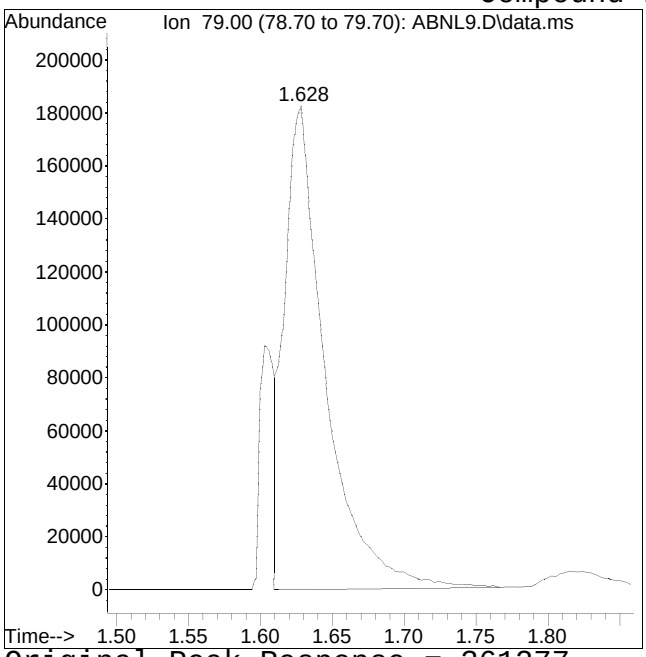
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



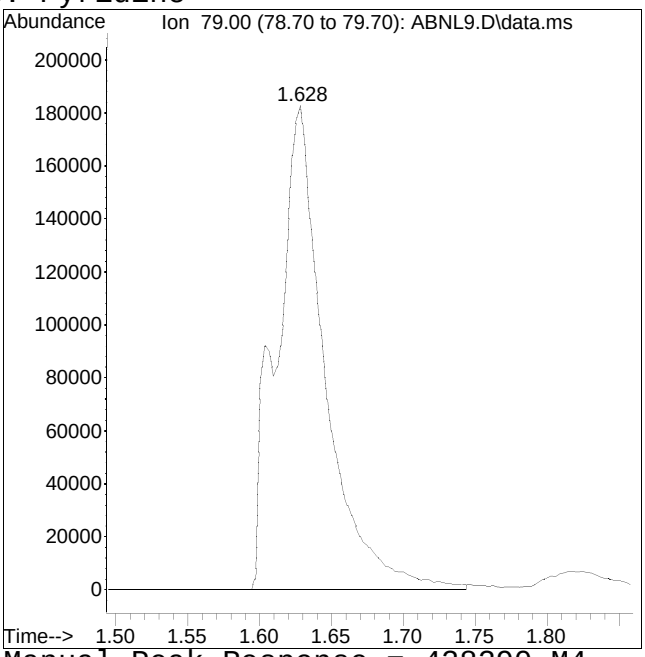
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL9.D
Date Inj'd : 11/5/2024 4:59 pm
Sample : IL2,32,,ABNL50 Lot# 11111
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #3: Pyridine



Original Peak Response = 361277



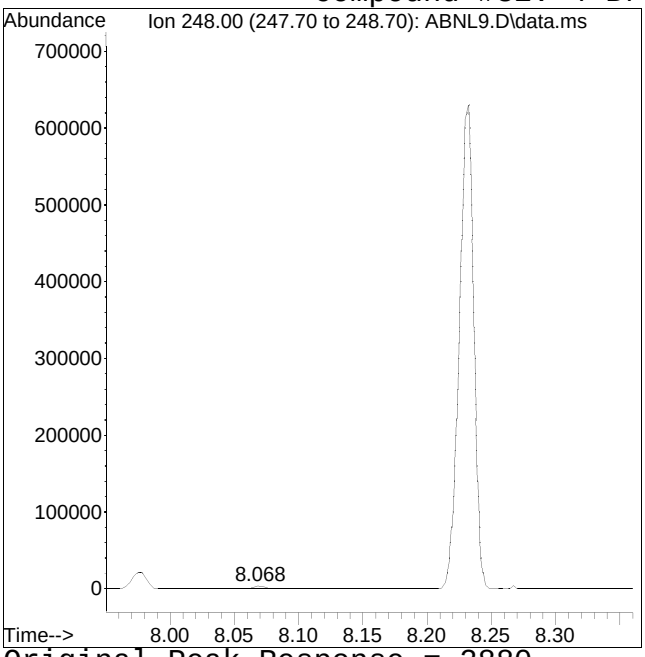
Manual Peak Response = 428290 M4

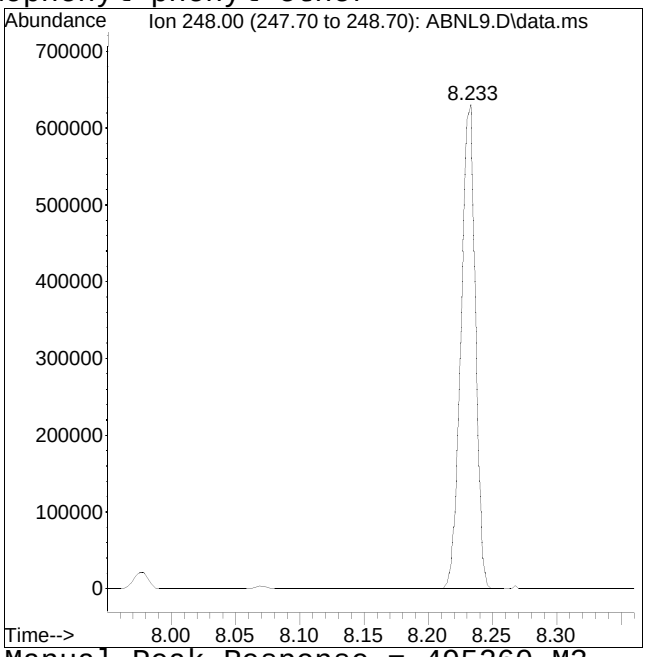
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #82: 4-Bromophenyl phenyl ether



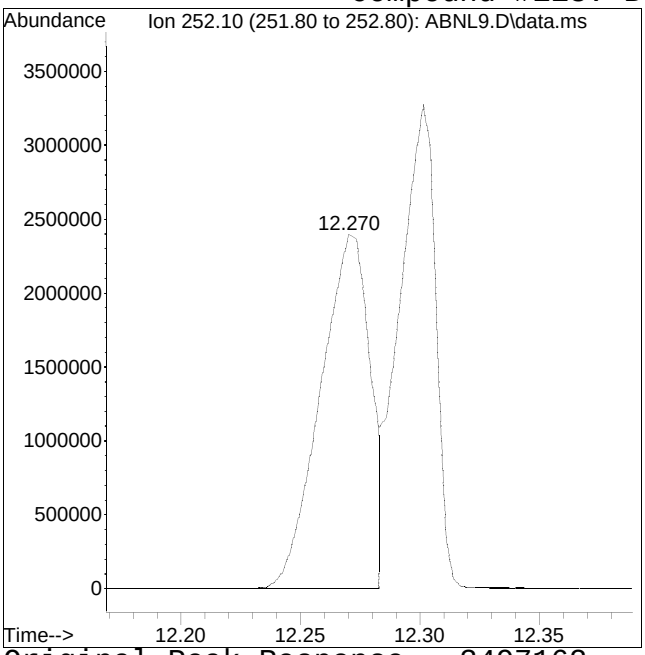


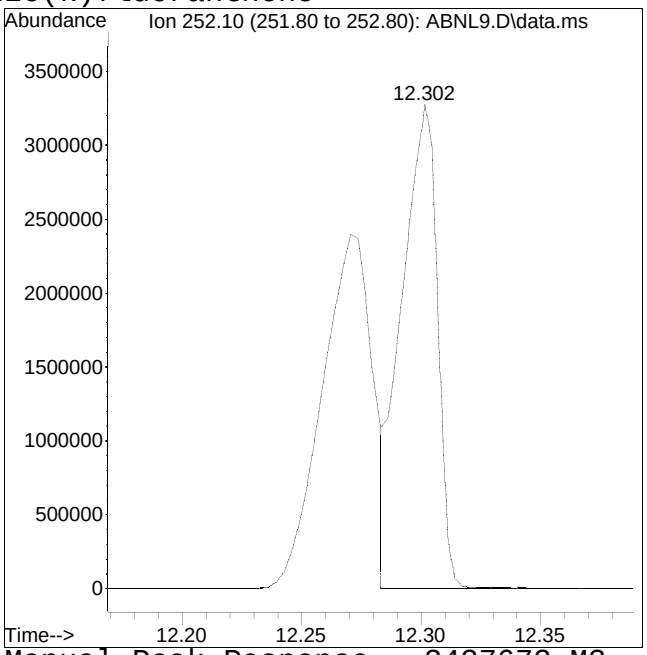
Original Peak Response = 2880 Manual Peak Response = 495260 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #113: Benzo(k)fluoranthene



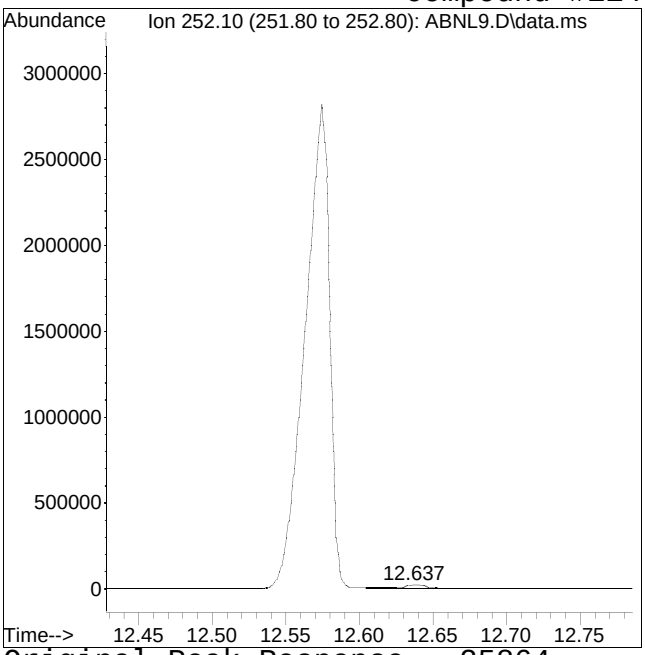


Original Peak Response = 3497162 Manual Peak Response = 3427673 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

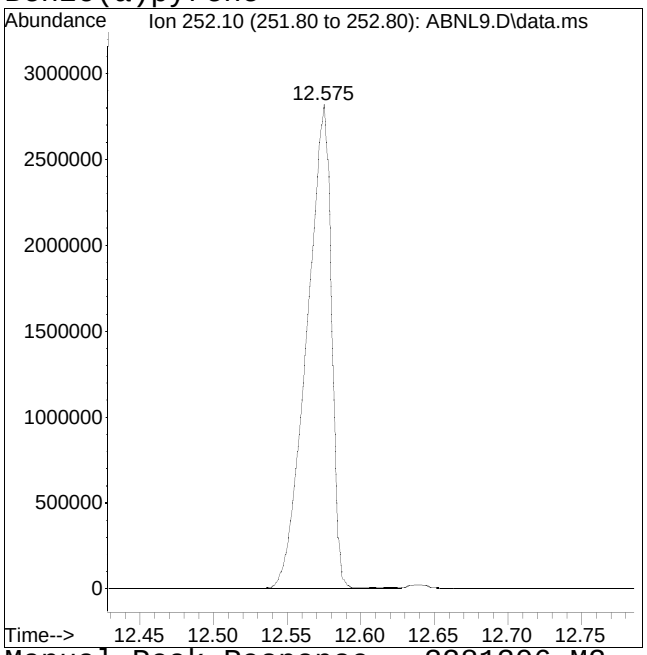
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL9.D
Date Inj'd : 11/5/2024 4:59 pm
Sample : IL2,32,,ABNL50 Lot# 11111
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 25864



Manual Peak Response = 3281306 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.286	152	32882	4.000	ug/ml	0.00
Standard Area 1 = 28960			Recovery = 113.54%			
37) IS1_Naphthalene-d8	5.523	136	122219	4.000	ug/ml	0.00
Standard Area 1 = 107558			Recovery = 113.63%			
65) IS1_Acenaphthene-d10	7.213	164	80019	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 115.05%			
90) IS1_Phenanthrene-d10	8.625	188	170526	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 113.83%			
106) IS1_Chrysene-d12	11.198	240	195039	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 112.72%			
115) IS1_Perylene-d12	12.612	264	222671	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 109.50%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	212455	27.464	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1373.20%#			
7) Phenol-d6	3.990	99	268911	27.046	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1352.30%#			
19) Nitrobenzene-d5	4.833	82	254511	28.097	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2809.70%#			
48) 2-Fluorobiphenyl	6.595	172	702587	22.505	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2250.50%#			
81) 2,4,6-Tribromophenol	7.972	330	149763	28.710	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1435.50%#			
98) 4-Terphenyl-d14	10.194	244	1156113	25.134	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2513.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.603	74	130982	24.878	ug/ml#	80
3) Pyridine	1.631	79	210509	25.535	ug/ml#	60
5) Aniline	3.969	93	320735	24.903	ug/ml	97
6) 2-Chlorophenol	4.081	128	255159	27.271	ug/ml#	88
8) Phenol	4.003	94	287124	24.686	ug/ml	96
9) Bis(2-chloroethyl)ether	4.059	93	204030	24.768	ug/ml	98
10) 1,3-Dichlorobenzene	4.227	146	310564	22.554	ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	314288	23.406	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	305963	23.725	ug/ml	94
13) Benzyl alcohol	4.454	79	204562	28.170	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.593	45	355071	21.169	ug/ml#	60

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	218784	26.705	ug/ml	98
16) Hexachloroethane	4.774	117	117262	24.038	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.724	70	178039	26.002	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.752	108	239554	27.559	ug/ml	99
20) Nitrobenzene	4.851	77	257804	26.872	ug/ml	99
21) Isophorone	5.097	82	475439	26.867	ug/ml	95
22) 2-Nitrophenol	5.168	139	138413	34.121	ug/ml#	86
23) 2,4-Dimethylphenol	5.259	107	227762	27.726	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.342	93	287885	25.618	ug/ml#	95
25) 2,4-Dichlorophenol	5.411	162	268517	26.260	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.482	180	311284	23.084	ug/ml	96
38) Naphthalene	5.541	128	793205	24.199	ug/ml	99
39) Benzoic Acid	5.408	105	196632	27.424	ug/ml	94
40) 4-Chloroaniline	5.622	65	90913	21.228	ug/ml#	66
41) Hexachlorobutadiene	5.697	225	194721	22.832	ug/ml	99
42) p-Chloro-m-cresol	6.129	107	227472	26.736	ug/ml	90
43) 2-Methylnaphthalene	6.219	142	556861	24.101	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	176736	23.431	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	222494	27.145	ug/ml	100
46) 2,4,6-Trichlorophenol	6.511	196	228866	25.317	ug/ml	97
47) 2,4,5-Trichlorophenol	6.539	196	248308	24.989	ug/ml	99
49) 2-Chloronaphthalene	6.682	162	619402	22.922	ug/ml	93
50) 2-Nitroaniline	6.800	138	185396	30.174	ug/ml#	77
51) 1,4-Dinitrobenzene	6.934	168	86479	28.212	ug/ml	81
52) 1,3-Dinitrobenzene	7.008	168	98273M3	26.960	ug/ml	
53) Dimethyl phthalate	7.011	163	727981	22.651	ug/ml#	97
54) Acenaphthylene	7.071	152	939390	23.903	ug/ml	99
55) 2,6-Dinitrotoluene	7.049	165	153890	28.438	ug/ml#	75
56) 1,2-Dinitrobenzene	7.089	168	55846	26.330	ug/ml#	85
66) 3-Nitroaniline	7.201	138	166040	31.088	ug/ml#	84
67) Acenaphthene	7.245	154	538516	24.240	ug/ml	88
68) 2,4-Dinitrophenol	7.297	184	103900	29.978	ug/ml#	82
69) Dibenzofuran	7.412	168	916582	23.840	ug/ml#	84
70) 2,4-Dinitrotoluene	7.431	165	216744	29.400	ug/ml#	77
71) 4-Nitrophenol	7.403	65	127663	30.141	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.506	232	227154	29.182	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.549	232	216190	28.230	ug/ml	98
74) Diethyl phthalate	7.698	149	744890	24.650	ug/ml	99
75) Fluorene	7.739	166	719758	23.879	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	367884	23.641	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 4-Nitroaniline	7.789	138	168641	28.451	ug/ml#	77
78) 4,6-Dinitro-o-cresol	7.820	198	138975	26.395	ug/ml#	56
79) NDPA/DPA	7.885	169	622751	23.934	ug/ml	92
80) Azobenzene	7.916	77	627012	25.882	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.227	248	242429	24.482	ug/ml#	81
83) Hexachlorobenzene	8.273	284	302652	24.162	ug/ml#	80
84) Pentachlorophenol	8.469	266	205928	30.229	ug/ml	98
91) Phenanthrene	8.649	178	1171950	24.257	ug/ml	99
92) Anthracene	8.699	178	1188072	24.871	ug/ml	98
93) Carbazole	8.873	167	1104845	24.499	ug/ml	98
94) Di-n-butylphthalate	9.274	149	1359271	27.329	ug/ml#	98
95) Fluoranthene	9.787	202	1432553	23.955	ug/ml#	92
96) Benzidine	9.952	184	909574	26.677	ug/ml#	94
97) Pyrene	9.995	202	1520824	23.903	ug/ml	99
99) Butyl benzyl phthalate	10.710	149	633434	29.840	ug/ml#	82
107) Benzo(a)anthracene	11.189	228	1557344	24.199	ug/ml	98
108) 3,3'-Dichlorobenzidine	11.201	252	649490	27.522	ug/ml#	96
109) Chrysene	11.226	228	1498919	24.158	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.338	149	1001664	29.324	ug/ml#	89
111) Di-n-octylphthalate	11.997	149	1719798	30.611	ug/ml#	72
112) Benzo(b)fluoranthene	12.261	252	1643646	24.907	ug/ml#	93
113) Benzo(k)fluoranthene	12.289	252	1666923	25.624	ug/ml#	93
114) Benzo(a)pyrene	12.563	252	1571883M2	26.120	ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.557	276	1785537	26.214	ug/mL#	88
117) Dibenzo(a,h)anthracene	13.582	278	1693306	25.311	ug/ml#	89
118) Benzo(ghi)perylene	13.769	276	1629094	25.150	ug/ml#	86

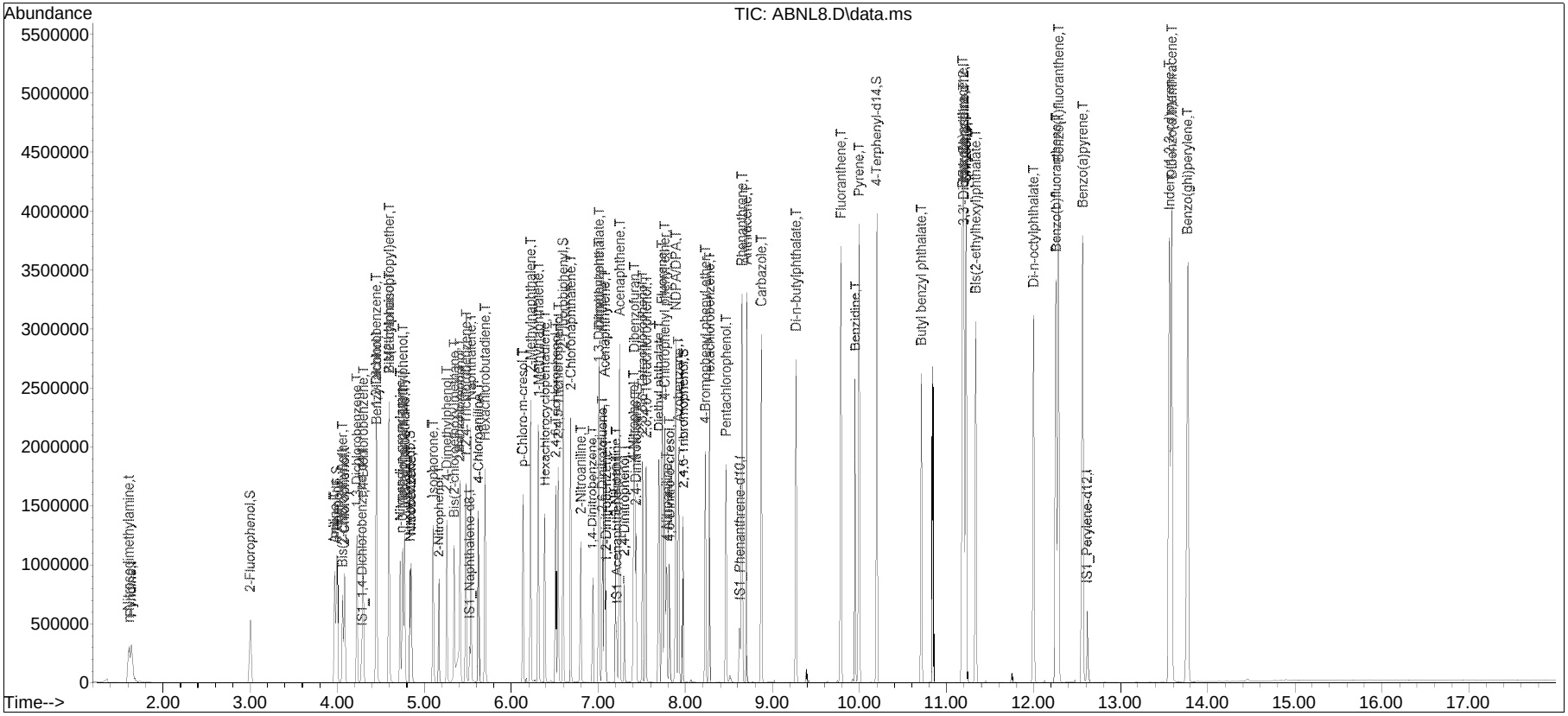
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

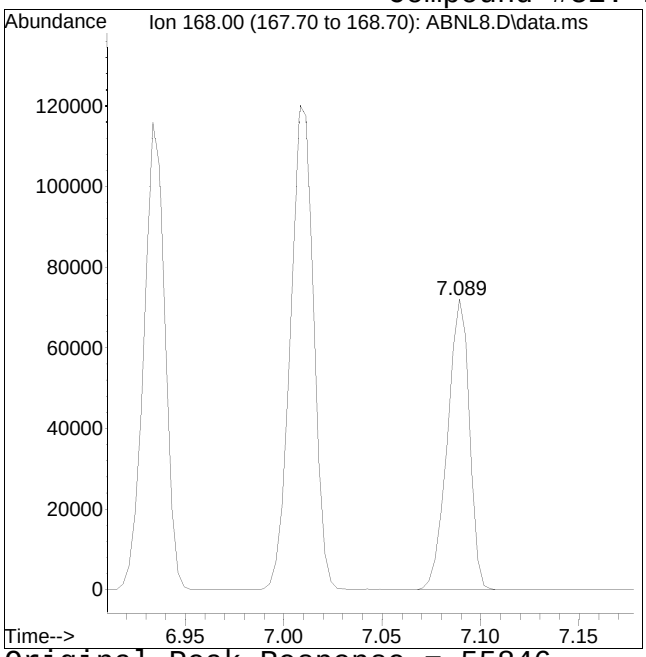
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

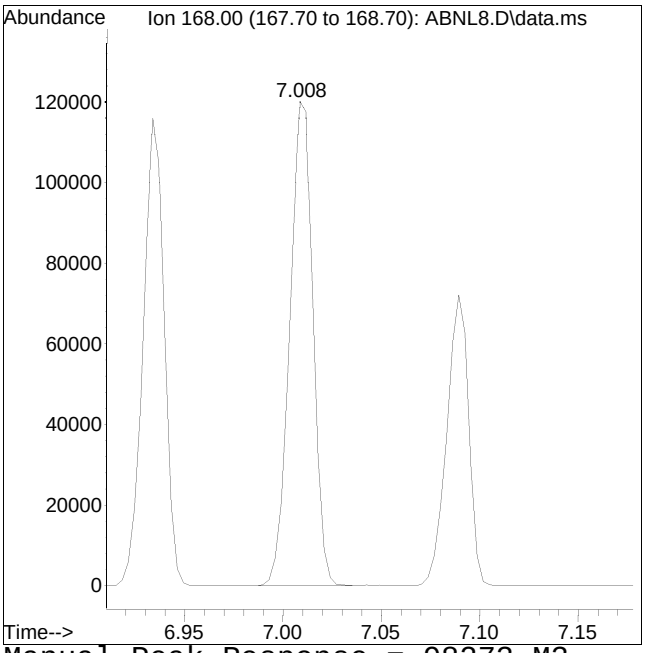


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL8.D
Date Inj'd : 11/5/2024 5:23 pm
Sample : IL3,32,,ABNL25 Lot# 11112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #52: 1,3-Dinitrobenzene





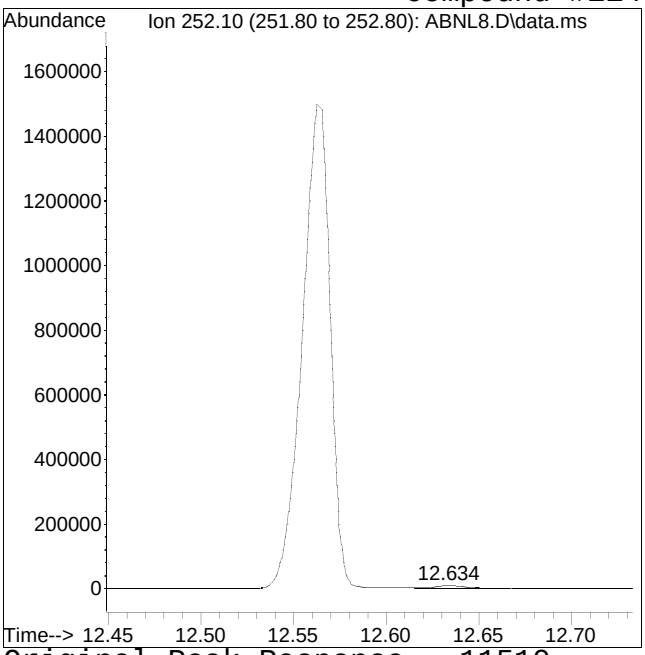
Original Peak Response = 55846 Manual Peak Response = 98273 M3

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.

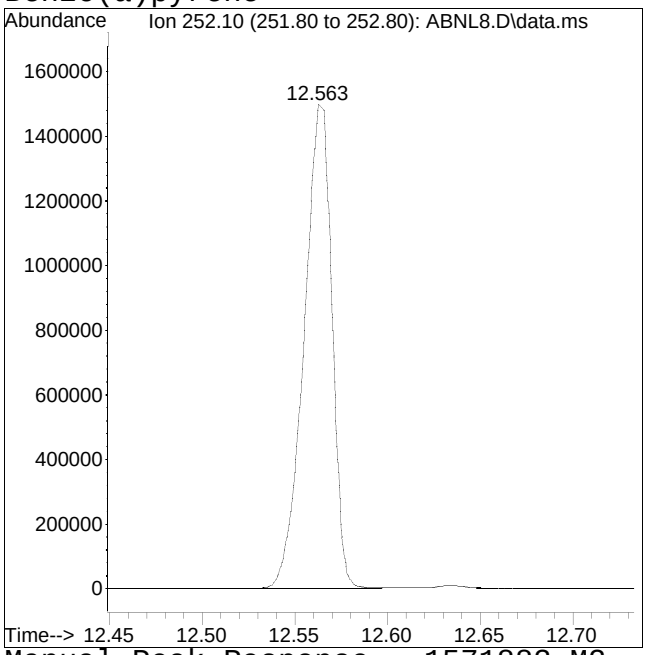
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL8.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 5:23 pm Instrument : Dakota
Sample : IL3,32,,ABNL25 Lot# 11112 Quant Date : 11/6/2024 8:36 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 11510



Manual Peak Response = 1571883 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	30017	4.000	ug/ml	# 0.00
Standard Area 1 = 28960			Recovery = 103.65%			
37) IS1_Naphthalene-d8	5.520	136	110693	4.000	ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 102.91%			
65) IS1_Acenaphthene-d10	7.210	164	71339	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 102.57%			
90) IS1_Phenanthrene-d10	8.625	188	152962	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 102.10%			
106) IS1_Chrysene-d12	11.192	240	173819	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 100.45%			
115) IS1_Perylene-d12	12.609	264	202944	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 99.80%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	75910	10.750	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 537.50%#			
7) Phenol-d6	3.987	99	95741	10.548	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 527.40%#			
19) Nitrobenzene-d5	4.833	82	89064	10.771	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1077.10%#			
48) 2-Fluorobiphenyl	6.592	172	249603	8.828	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 882.80%#			
81) 2,4,6-Tribromophenol	7.969	330	49268	10.594	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 529.70%#			
98) 4-Terphenyl-d14	10.191	244	402353	9.752	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 975.20%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.597	74	46870	9.752	ug/ml#	80
3) Pyridine	1.628	79	77978	10.362	ug/ml#	59
5) Aniline	3.966	93	113575	9.660	ug/ml	96
6) 2-Chlorophenol	4.077	128	91502	10.713	ug/ml#	88
8) Phenol	4.000	94	103024	9.703	ug/ml	95
9) Bis(2-chloroethyl)ether	4.056	93	74057	9.848	ug/ml	96
10) 1,3-Dichlorobenzene	4.224	146	112322	8.936	ug/ml	94
11) 1,4-Dichlorobenzene	4.298	146	113494	9.259	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	108571	9.223	ug/ml	93
13) Benzyl alcohol	4.450	79	69764	10.524	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.593	45	128127	8.368	ug/ml#	60

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	78768	10.532	ug/ml	100
16) Hexachloroethane	4.771	117	41863	9.401	ug/ml#	51
17) n-Nitrosodi-n-propylamine	4.721	70	62227	9.956	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.749	108	83179	10.483	ug/ml	98
20) Nitrobenzene	4.848	77	90914	10.381	ug/ml	97
21) Isophorone	5.094	82	163635	10.130	ug/ml	94
22) 2-Nitrophenol	5.165	139	46777	12.632	ug/ml#	87
23) 2,4-Dimethylphenol	5.259	107	80631	10.752	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	101509	9.895	ug/ml#	97
25) 2,4-Dichlorophenol	5.408	162	93402	10.006	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	110668	8.990	ug/ml	96
38) Naphthalene	5.538	128	279417	9.412	ug/ml	99
39) Benzoic Acid	5.367	105	62503	10.680	ug/ml	91
40) 4-Chloroaniline	5.619	65	31494	8.120	ug/ml#	65
41) Hexachlorobutadiene	5.697	225	68910	8.921	ug/ml	100
42) p-Chloro-m-cresol	6.126	107	76197	9.889	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	195484	9.341	ug/ml	95
44) 1-Methylnaphthalene	6.309	115	62192	9.104	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	75925	10.228	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	78117	9.541	ug/ml	99
47) 2,4,5-Trichlorophenol	6.539	196	86553	9.617	ug/ml	97
49) 2-Chloronaphthalene	6.679	162	214208	8.752	ug/ml	93
50) 2-Nitroaniline	6.797	138	61633	11.076	ug/ml#	78
51) 1,4-Dinitrobenzene	6.931	168	28021	10.093	ug/ml	80
52) 1,3-Dinitrobenzene	7.005	168	32467	9.834	ug/ml#	1
53) Dimethyl phthalate	7.005	163	252504	8.675	ug/ml#	98
54) Acenaphthylene	7.071	152	326834	9.182	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	51689	10.546	ug/ml#	75
56) 1,2-Dinitrobenzene	7.083	168	19215	10.003	ug/ml#	1
66) 3-Nitroaniline	7.195	138	57722	12.122	ug/ml#	82
67) Acenaphthene	7.242	154	187097	9.447	ug/ml	88
68) 2,4-Dinitrophenol	7.294	184	32967	10.669	ug/ml#	82
69) Dibenzofuran	7.409	168	323476	9.437	ug/ml#	87
70) 2,4-Dinitrotoluene	7.425	165	73085	11.120	ug/ml#	76
71) 4-Nitrophenol	7.397	65	42265	11.193	ug/ml#	27
72) 2,3,5,6-Tetrachlorophenol	7.506	232	76542	11.030	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.546	232	75038	10.990	ug/ml	99
74) Diethyl phthalate	7.692	149	257720	9.566	ug/ml	98
75) Fluorene	7.736	166	249496	9.285	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.764	204	127708	9.205	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.776	138	56545	10.700	ug/ml#	78
78)	4,6-Dinitro-o-cresol	7.810	198	44733	9.776	ug/ml#	57
79)	NDPA/DPA	7.882	169	214404	9.243	ug/ml	92
80)	Azobenzene	7.913	77	215745	9.989	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.227	248	84538	9.576	ug/ml#	80
83)	Hexachlorobenzene	8.270	284	103252	9.246	ug/ml#	79
84)	Pentachlorophenol	8.466	266	67607	11.132	ug/ml	99
91)	Phenanthrene	8.646	178	409956	9.459	ug/ml	99
92)	Anthracene	8.693	178	407125	9.501	ug/ml	98
93)	Carbazole	8.867	167	382642	9.459	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	460432	10.320	ug/ml#	98
95)	Fluoranthene	9.784	202	502795	9.373	ug/ml#	92
96)	Benzidine	9.946	184	312907	10.231	ug/ml#	94
97)	Pyrene	9.992	202	534393	9.364	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	207056	10.874	ug/ml#	82
107)	Benzo(a)anthracene	11.186	228	548250	9.559	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.198	252	225540	10.724	ug/ml#	97
109)	Chrysene	11.220	228	521142	9.424	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.338	149	336797	11.063	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	571767	11.419	ug/ml#	72
112)	Benzo(b)fluoranthene	12.255	252	579285	9.850	ug/ml#	93
113)	Benzo(k)fluoranthene	12.283	252	591670	10.206	ug/ml#	93
114)	Benzo(a)pyrene	12.556	252	548576	10.228	ug/ml#	93
116)	Indeno(1,2,3-cd)pyrene	13.548	276	610183	9.829	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.573	278	601923	9.872	ug/ml#	89
118)	Benzo(ghi)perylene	13.759	276	576728	9.769	ug/ml#	86

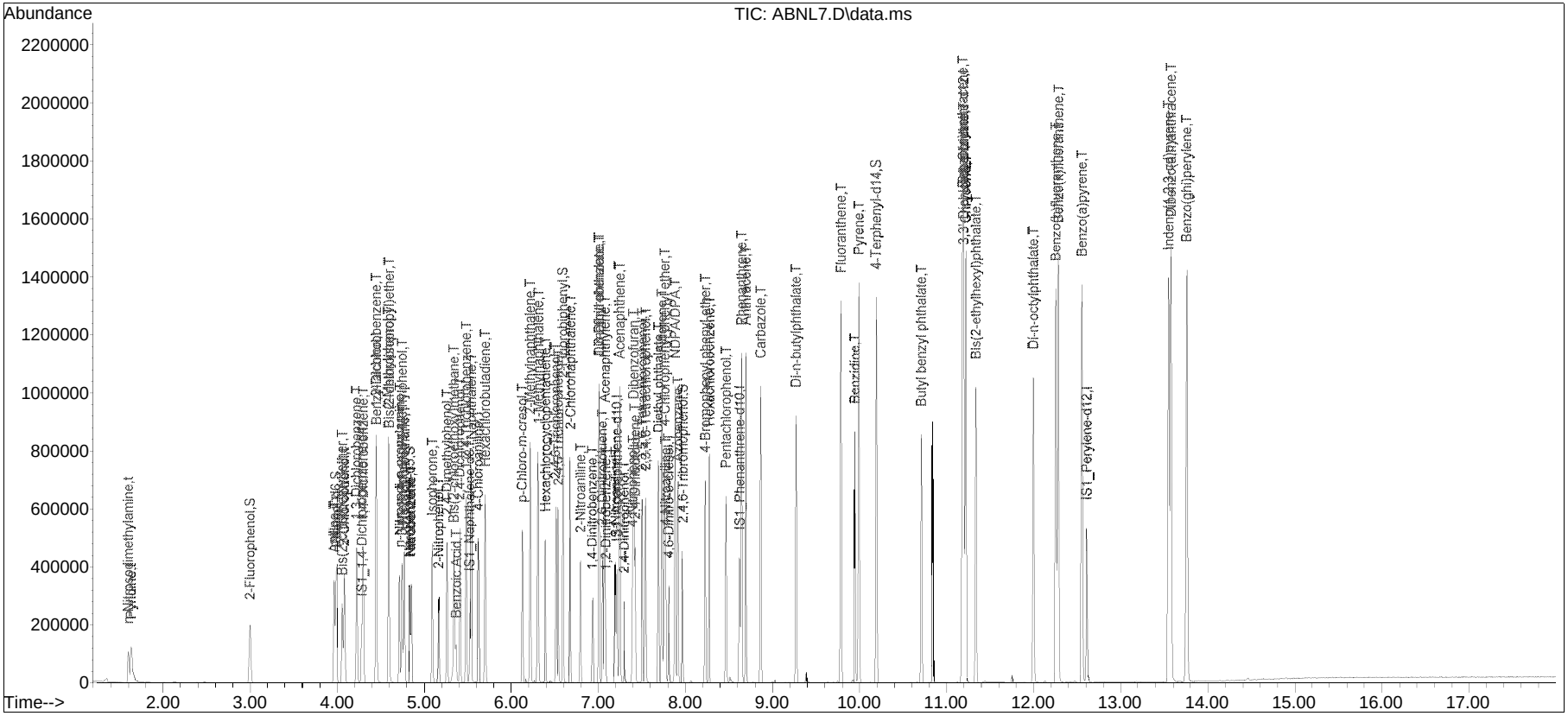
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 5:46 pm	Instrument	: Dakota
Sample	: IL4,32,,ABNL10 Lot# 11113	Quant Date	: 11/6/2024 8:36 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	28960	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 100.00%		
37) IS1_Naphthalene-d8	5.520	136	107558	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.00%		
65) IS1_Acenaphthene-d10	7.210	164	69553	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 100.00%		
90) IS1_Phenanthrene-d10	8.625	188	149813	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 100.00%		
106) IS1_Chrysene-d12	11.192	240	173036	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 100.00%		
115) IS1_Perylene-d12	12.609	264	203359	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	36379	5.340 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 267.00%#		
7) Phenol-d6	3.984	99	46206	5.277 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 263.85%#		
19) Nitrobenzene-d5	4.833	82	42587	5.338 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 533.80%#		
48) 2-Fluorobiphenyl	6.592	172	122549	4.460 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 446.00%#		
81) 2,4,6-Tribromophenol	7.969	330	23686	5.224 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 261.20%#		
98) 4-Terphenyl-d14	10.191	244	199652	4.941 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 494.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.600	74	22399	4.830 ug/ml	82
3) Pyridine	1.634	79	36774	5.065 ug/ml#	62
5) Aniline	3.969	93	55552	4.897 ug/ml	96
6) 2-Chlorophenol	4.077	128	43820	5.318 ug/ml#	88
8) Phenol	3.997	94	50251	4.906 ug/ml	96
9) Bis(2-chloroethyl)ether	4.059	93	35511	4.895 ug/ml	100
10) 1,3-Dichlorobenzene	4.223	146	54655	4.507 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	55620	4.703 ug/ml	95
12) 1,2-Dichlorobenzene	4.447	146	53065	4.672 ug/ml	93
13) Benzyl alcohol	4.450	79	33022	5.163 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.593	45	61759	4.181 ug/ml#	61

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	36689	5.085	ug/ml	99
16) Hexachloroethane	4.774	117	19654	4.575	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.721	70	29429	4.880	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.749	108	40096	5.238	ug/ml	98
20) Nitrobenzene	4.848	77	43553	5.155	ug/ml	95
21) Isophorone	5.094	82	78642	5.046	ug/ml	95
22) 2-Nitrophenol	5.165	139	21659	6.062	ug/ml#	85
23) 2,4-Dimethylphenol	5.255	107	38443	5.313	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	48954	4.946	ug/ml	97
25) 2,4-Dichlorophenol	5.408	162	45088	5.007	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.479	180	53442	4.500	ug/ml	96
38) Naphthalene	5.538	128	137444	4.765	ug/ml	99
39) Benzoic Acid	5.346	105	27655	5.748	ug/ml	91
40) 4-Chloroaniline	5.622	65	15918	4.223	ug/ml#	74
41) Hexachlorobutadiene	5.697	225	33657	4.484	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	37630	5.026	ug/ml	90
43) 2-Methylnaphthalene	6.216	142	94136	4.630	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	31140	4.691	ug/ml	96
45) Hexachlorocyclopentadiene	6.390	237	36194	5.018	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	37386	4.699	ug/ml	96
47) 2,4,5-Trichlorophenol	6.539	196	40448	4.625	ug/ml	99
49) 2-Chloronaphthalene	6.679	162	107403	4.516	ug/ml#	91
50) 2-Nitroaniline	6.797	138	29098	5.381	ug/ml#	76
51) 1,4-Dinitrobenzene	6.931	168	12684	4.702	ug/ml	83
52) 1,3-Dinitrobenzene	7.002	168	15384	4.796	ug/ml#	1
53) Dimethyl phthalate	7.002	163	124096	4.387	ug/ml#	98
54) Acenaphthylene	7.067	152	159055	4.599	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	25000	5.250	ug/ml#	75
56) 1,2-Dinitrobenzene	7.080	168	9417	5.045	ug/ml#	1
66) 3-Nitroaniline	7.192	138	26990	5.814	ug/ml#	85
67) Acenaphthene	7.241	154	92335	4.782	ug/ml	89
68) 2,4-Dinitrophenol	7.291	184	14980	4.972	ug/ml#	84
69) Dibenzofuran	7.409	168	158615	4.746	ug/ml#	87
70) 2,4-Dinitrotoluene	7.425	165	34950	5.454	ug/ml	86
71) 4-Nitrophenol	7.397	65	20265	5.504	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	36982	5.466	ug/ml	97
73) 2,3,4,6-Tetrachlorophenol	7.546	232	35881	5.390	ug/ml	98
74) Diethyl phthalate	7.689	149	124775	4.750	ug/ml	98
75) Fluorene	7.736	166	123482	4.713	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	62734	4.638	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 4-Nitroaniline	7.773	138	27164	5.272	ug/ml#	79
78) 4,6-Dinitro-o-cresol	7.807	198	21012	4.910	ug/ml#	57
79) NDPA/DPA	7.879	169	106063	4.690	ug/ml	93
80) Azobenzene	7.910	77	105738	5.022	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.227	248	41201	4.787	ug/ml#	80
83) Hexachlorobenzene	8.267	284	50912	4.676	ug/ml#	80
84) Pentachlorophenol	8.463	266	31065	5.246	ug/ml	97
91) Phenanthrene	8.646	178	203180	4.787	ug/ml	100
92) Anthracene	8.693	178	202631	4.828	ug/ml	99
93) Carbazole	8.867	167	191087	4.823	ug/ml	99
94) Di-n-butylphthalate	9.271	149	221941	5.079	ug/ml#	98
95) Fluoranthene	9.784	202	247376	4.709	ug/ml#	92
96) Benzidine	9.945	184	150013	5.008	ug/ml#	94
97) Pyrene	9.989	202	267661	4.788	ug/ml	99
99) Butyl benzyl phthalate	10.707	149	97439	5.225	ug/ml#	82
107) Benzo(a)anthracene	11.183	228	270494	4.738	ug/ml	99
108) 3,3'-Dichlorobenzidine	11.195	252	108876	5.200	ug/ml#	96
109) Chrysene	11.217	228	264748	4.809	ug/ml	99
110) Bis(2-ethylhexyl)phtha...	11.335	149	158349	5.225	ug/ml#	89
111) Di-n-octylphthalate	11.994	149	263131	5.279	ug/ml#	71
112) Benzo(b)fluoranthene	12.252	252	283903	4.849	ug/ml#	94
113) Benzo(k)fluoranthene	12.280	252	293103	5.079	ug/ml#	92
114) Benzo(a)pyrene	12.553	252	266408	4.990	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.545	276	297219	4.778	ug/mL#	88
117) Dibenzo(a,h)anthracene	13.570	278	297184	4.864	ug/ml#	89
118) Benzo(ghi)perylene	13.753	276	284158	4.803	ug/ml#	86

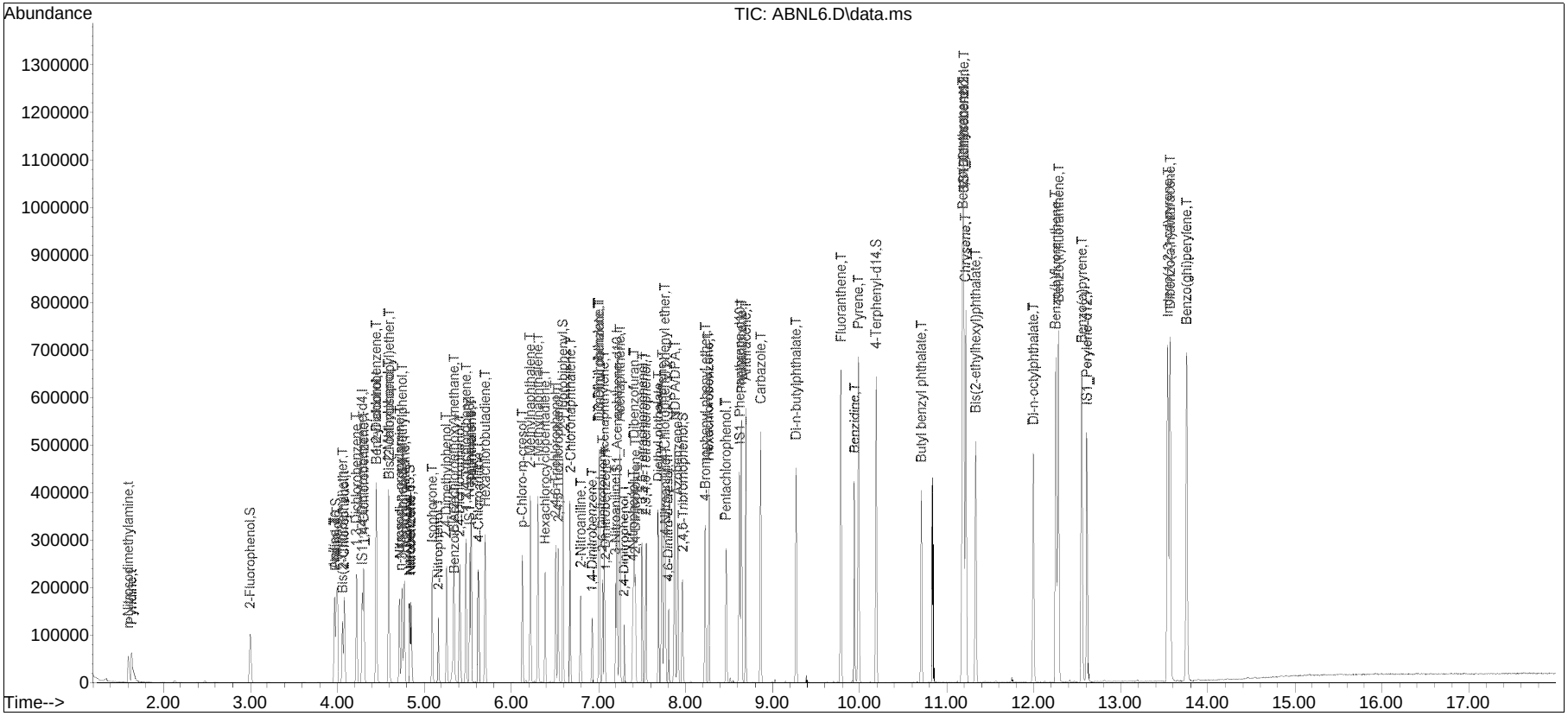
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 6:09 pm	Instrument	: Dakota
Sample	: IL5,32,,ABNL5 Lot# 11114	Quant Date	: 11/6/2024 8:36 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	29578	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 102.13%		
37) IS1_Naphthalene-d8	5.520	136	108514	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.89%		
65) IS1_Acenaphthene-d10	7.210	164	69464	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 99.87%		
90) IS1_Phenanthrene-d10	8.622	188	149902	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 100.06%		
106) IS1_Chrysene-d12	11.192	240	171800	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 99.29%		
115) IS1_Perylene-d12	12.609	264	200787	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 98.74%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	16767	2.410 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 120.50%#		
7) Phenol-d6	3.984	99	20488	2.291 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 114.55%#		
19) Nitrobenzene-d5	4.833	82	19806	2.431 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 243.10%#		
48) 2-Fluorobiphenyl	6.592	172	57800	2.085 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 208.50%#		
81) 2,4,6-Tribromophenol	7.969	330	10800	2.385 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 119.25%#		
98) 4-Terphenyl-d14	10.191	244	94387	2.334 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 233.40%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.607	74	10936	2.309 ug/ml#	79
3) Pyridine	1.647	79	17761	2.395 ug/ml#	57
5) Aniline	3.969	93	26004	2.245 ug/ml	97
6) 2-Chlorophenol	4.081	128	20780	2.469 ug/ml#	87
8) Phenol	3.997	94	23244	2.222 ug/ml	95
9) Bis(2-chloroethyl)ether	4.059	93	17155	2.315 ug/ml	95
10) 1,3-Dichlorobenzene	4.224	146	25363	2.048 ug/ml	93
11) 1,4-Dichlorobenzene	4.298	146	26480	2.192 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	25558	2.203 ug/ml	93
13) Benzyl alcohol	4.450	79	15128	2.316 ug/ml	97
14) Bis(2-chloroisopropyl)...	4.593	45	29769	1.973 ug/ml#	63

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	17543	2.380	ug/ml	99
16) Hexachloroethane	4.771	117	9381	2.138	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.721	70	13382	2.173	ug/ml#	89
18) 3-Methylphenol/4-Methy...	4.749	108	18226	2.331	ug/ml	94
20) Nitrobenzene	4.851	77	19986	2.316	ug/ml	97
21) Isophorone	5.097	82	35708	2.243	ug/ml	94
22) 2-Nitrophenol	5.165	139	9948	2.726	ug/ml#	87
23) 2,4-Dimethylphenol	5.255	107	17802	2.409	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.339	93	22852	2.261	ug/ml#	96
25) 2,4-Dichlorophenol	5.408	162	20663	2.247	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	24934	2.056	ug/ml	97
38) Naphthalene	5.538	128	65418	2.248	ug/ml	99
39) Benzoic Acid	5.330	105	11562	3.334	ug/ml	92
40) 4-Chloroaniline	5.622	65	7308	1.922	ug/ml#	69
41) Hexachlorobutadiene	5.697	225	15656	2.068	ug/ml	98
42) p-Chloro-m-cresol	6.126	107	16669	2.207	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	44702	2.179	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	14070	2.101	ug/ml	91
45) Hexachlorocyclopentadiene	6.390	237	16271	2.236	ug/ml	98
46) 2,4,6-Trichlorophenol	6.508	196	16943	2.111	ug/ml	97
47) 2,4,5-Trichlorophenol	6.536	196	18833	2.135	ug/ml	100
49) 2-Chloronaphthalene	6.676	162	49375	2.058	ug/ml#	93
50) 2-Nitroaniline	6.794	138	12454	2.283	ug/ml#	80
51) 1,4-Dinitrobenzene	6.931	168	5829M3	2.142	ug/ml	
52) 1,3-Dinitrobenzene	7.002	168	6632	2.049	ug/ml#	1
53) Dimethyl phthalate	7.002	163	58737	2.058	ug/ml#	98
54) Acenaphthylene	7.067	152	74072	2.123	ug/ml	99
55) 2,6-Dinitrotoluene	7.040	165	11316	2.355	ug/ml#	73
56) 1,2-Dinitrobenzene	7.080	168	4222	2.242	ug/ml#	1
66) 3-Nitroaniline	7.192	138	12311	2.655	ug/ml	87
67) Acenaphthene	7.238	154	43594	2.260	ug/ml	90
68) 2,4-Dinitrophenol	7.294	184	6486	2.156	ug/ml#	81
69) Dibenzofuran	7.409	168	75940	2.275	ug/ml	89
70) 2,4-Dinitrotoluene	7.422	165	15676	2.449	ug/ml	89
71) 4-Nitrophenol	7.394	65	9042	2.459	ug/ml#	30
72) 2,3,5,6-Tetrachlorophenol	7.503	232	16922	2.504	ug/ml	97
73) 2,3,4,6-Tetrachlorophenol	7.543	232	16643	2.503	ug/ml	97
74) Diethyl phthalate	7.689	149	59292	2.260	ug/ml	97
75) Fluorene	7.736	166	56914	2.175	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.764	204	29670	2.196	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	11929	2.318	ug/ml#	80
78)	4,6-Dinitro-o-cresol	7.807	198	9125	2.353	ug/ml#	58
79)	NDPA/DPA	7.879	169	49243	2.180	ug/ml	93
80)	Azobenzene	7.910	77	48438	2.303	ug/ml	99
82)	4-Bromophenyl phenyl e...	8.224	248	19203	2.234	ug/ml#	78
83)	Hexachlorobenzene	8.267	284	24775	2.278	ug/ml#	79
84)	Pentachlorophenol	8.463	266	13677	2.313	ug/ml	99
91)	Phenanthrene	8.643	178	95445	2.247	ug/ml	100
92)	Anthracene	8.693	178	95270	2.269	ug/ml	99
93)	Carbazole	8.867	167	89548	2.259	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	99712	2.281	ug/ml#	98
95)	Fluoranthene	9.781	202	117123	2.228	ug/ml#	91
96)	Benzidine	9.946	184	66293	2.212	ug/ml#	94
97)	Pyrene	9.989	202	126787	2.267	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	42406	2.272	ug/ml#	83
107)	Benzo(a)anthracene	11.183	228	124996	2.205	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.192	252	48853	2.350	ug/ml#	97
109)	Chrysene	11.217	228	124749	2.283	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.335	149	67600	2.247	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	110289	2.229	ug/ml#	71
112)	Benzo(b)fluoranthene	12.252	252	137623	2.368	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	129836	2.266	ug/ml#	94
114)	Benzo(a)pyrene	12.553	252	121012	2.283	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	132618	2.159	ug/mL#	88
117)	Dibenzo(a,h)anthracene	13.567	278	135000	2.238	ug/ml#	89
118)	Benzo(ghi)perylene	13.753	276	128448	2.199	ug/ml#	85

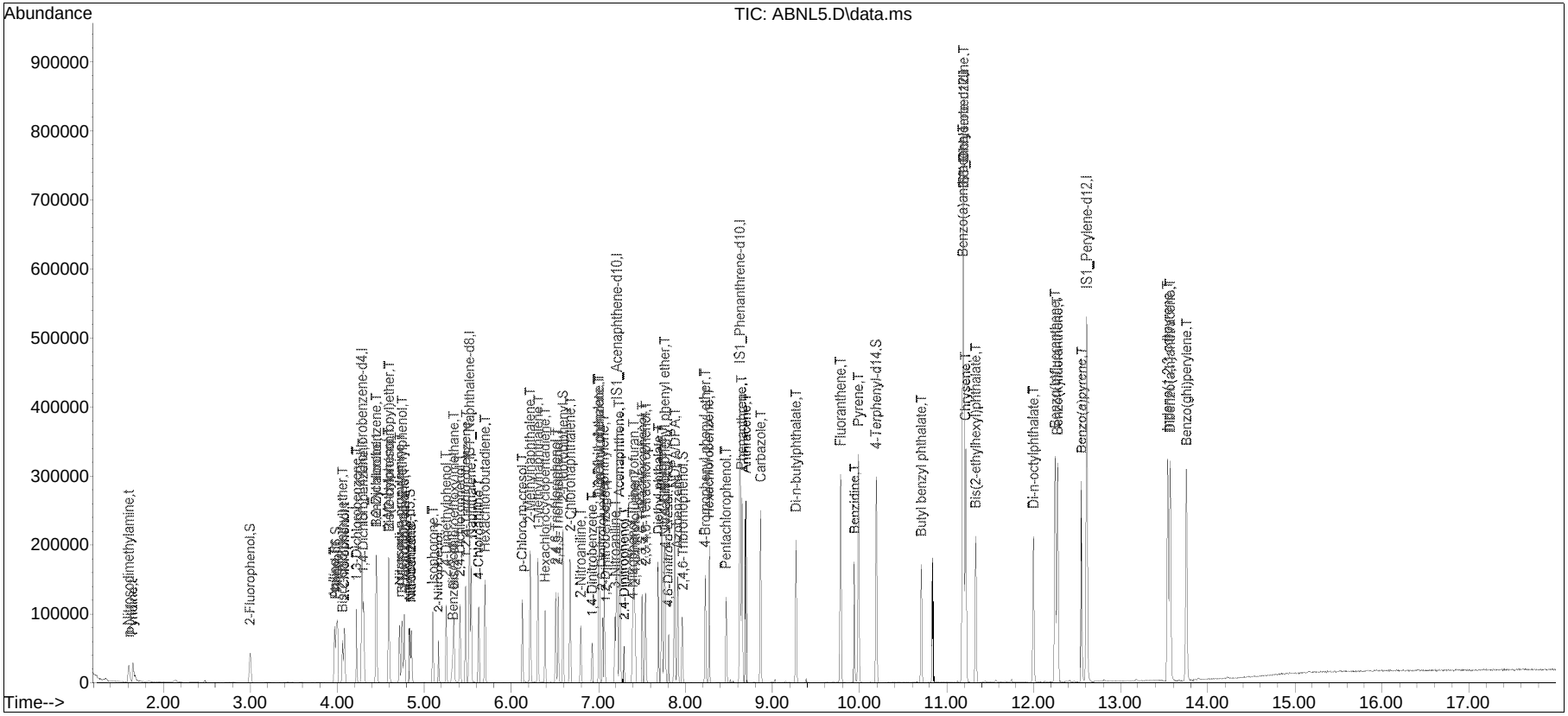
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

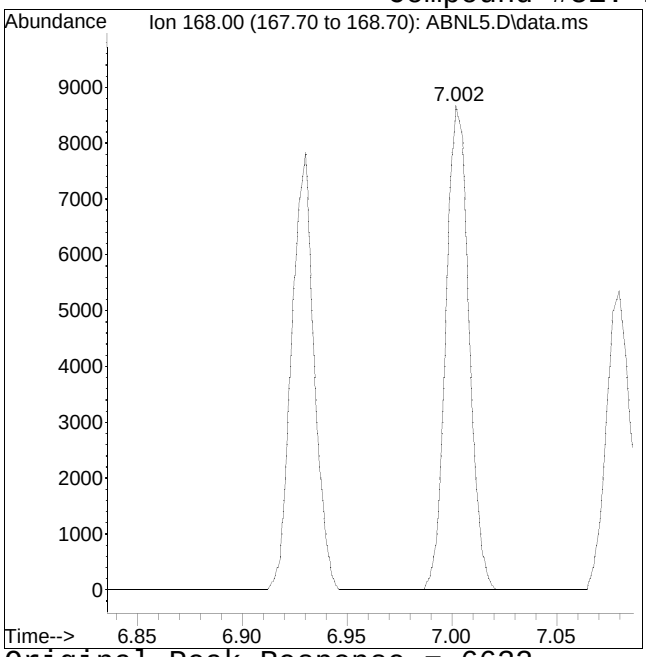


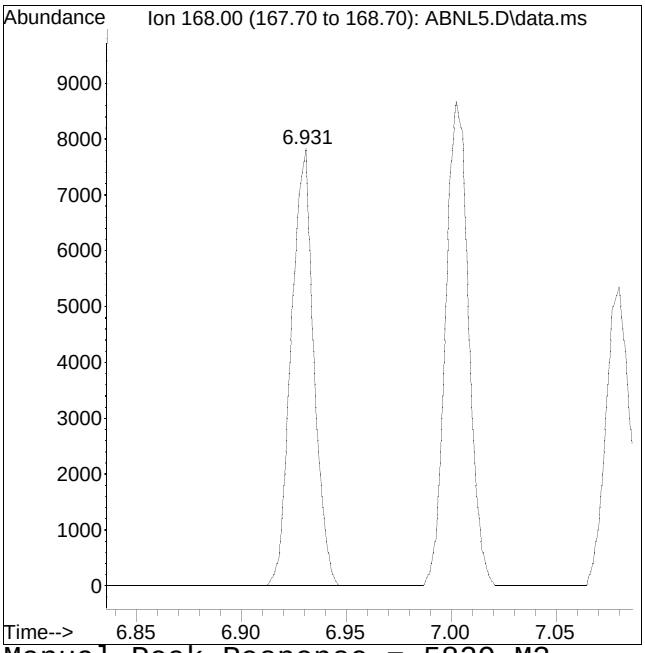
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL5.D
Date Inj'd : 11/5/2024 6:33 pm
Sample : IL6,32,,ABNL2.5 Lot# 11115

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene





Original Peak Response = 6632 Manual Peak Response = 5829 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\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.286	152	29645	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 102.37%		
37) IS1_Naphthalene-d8	5.520	136	107897	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.32%		
65) IS1_Acenaphthene-d10	7.210	164	70461	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 101.31%		
90) IS1_Phenanthrene-d10	8.621	188	156225	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 104.28%		
106) IS1_Chrysene-d12	11.189	240	175608	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 101.49%		
115) IS1_Perylene-d12	12.609	264	207118	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 101.85%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	7494	1.075 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.75%		
7) Phenol-d6	3.987	99	9495	1.059 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.95%		
19) Nitrobenzene-d5	4.833	82	8830	1.081 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 108.10%		
48) 2-Fluorobiphenyl	6.592	172	25387	0.921 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 92.10%		
81) 2,4,6-Tribromophenol	7.966	330	4669	1.016 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.80%		
98) 4-Terphenyl-d14	10.191	244	42632	1.012 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 101.20%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.613	74	4871	1.026 ug/ml#	81
3) Pyridine	1.662	79	7733M1	1.040 ug/ml	
5) Aniline	3.969	93	11096	0.956 ug/ml	97
6) 2-Chlorophenol	4.081	128	8901	1.055 ug/ml#	89
8) Phenol	4.000	94	10249	0.977 ug/ml	92
9) Bis(2-chloroethyl)ether	4.062	93	7130	0.960 ug/ml	94
10) 1,3-Dichlorobenzene	4.227	146	11504	0.927 ug/ml	95
11) 1,4-Dichlorobenzene	4.301	146	11645	0.962 ug/ml	97
12) 1,2-Dichlorobenzene	4.447	146	11305	0.972 ug/ml	93
13) Benzyl alcohol	4.450	79	6639	1.014 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.593	45	13142	0.869 ug/ml#	65

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	7654	1.036	ug/ml	98
16) Hexachloroethane	4.774	117	4414	1.004	ug/ml#	58
17) n-Nitrosodi-n-propylamine	4.721	70	6013	0.974	ug/ml#	84
18) 3-Methylphenol/4-Methy...	4.749	108	8547	1.091	ug/ml	99
20) Nitrobenzene	4.851	77	8609	0.995	ug/ml	97
21) Isophorone	5.097	82	15106	0.947	ug/ml	98
22) 2-Nitrophenol	5.168	139	4182	1.143	ug/ml#	84
23) 2,4-Dimethylphenol	5.255	107	7792	1.052	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.339	93	9871	0.974	ug/ml#	94
25) 2,4-Dichlorophenol	5.408	162	8821	0.957	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	11026	0.907	ug/ml	97
38) Naphthalene	5.538	128	28272	0.977	ug/ml	99
39) Benzoic Acid	5.321	105	4647	2.316	ug/ml	95
40) 4-Chloroaniline	5.622	65	3160	0.836	ug/ml#	69
41) Hexachlorobutadiene	5.697	225	6855	0.910	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	7198	0.958	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	19005	0.932	ug/ml	94
44) 1-Methylnaphthalene	6.309	115	6294	0.945	ug/ml	92
45) Hexachlorocyclopentadiene	6.390	237	7064	0.976	ug/ml	95
46) 2,4,6-Trichlorophenol	6.508	196	7192	0.901	ug/ml	99
47) 2,4,5-Trichlorophenol	6.539	196	8343	0.951	ug/ml	94
49) 2-Chloronaphthalene	6.679	162	21923	0.919	ug/ml	93
50) 2-Nitroaniline	6.797	138	5587	1.030	ug/ml#	74
51) 1,4-Dinitrobenzene	6.928	168	2433	0.899	ug/ml	87
52) 1,3-Dinitrobenzene	7.005	168	2825	0.878	ug/ml#	1
53) Dimethyl phthalate	7.002	163	25243	0.890	ug/ml#	98
54) Acenaphthylene	7.067	152	32446	0.935	ug/ml	100
55) 2,6-Dinitrotoluene	7.039	165	4692	0.982	ug/ml#	77
56) 1,2-Dinitrobenzene	7.080	168	1810	0.967	ug/ml#	1
66) 3-Nitroaniline	7.192	138	5066	1.077	ug/ml#	88
67) Acenaphthene	7.238	154	19239	0.983	ug/ml	85
68) 2,4-Dinitrophenol	7.291	184	2292	0.751	ug/ml#	84
69) Dibenzofuran	7.409	168	34238	1.011	ug/ml	90
70) 2,4-Dinitrotoluene	7.422	165	6155	0.948	ug/ml#	88
71) 4-Nitrophenol	7.394	65	3892	1.044	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	7152	1.043	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.546	232	7236	1.073	ug/ml	98
74) Diethyl phthalate	7.689	149	25683	0.965	ug/ml	97
75) Fluorene	7.736	166	26341	0.992	ug/ml	94
76) 4-Chlorophenyl phenyl ...	7.764	204	13510	0.986	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	5206	0.997	ug/ml	81
78)	4,6-Dinitro-o-cresol	7.807	198	3785	1.190	ug/ml#	56
79)	NDPA/DPA	7.879	169	22405	0.978	ug/ml	95
80)	Azobenzene	7.910	77	21474	1.007	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.227	248	8392	0.962	ug/ml#	80
83)	Hexachlorobenzene	8.267	284	10855	0.984	ug/ml#	81
84)	Pentachlorophenol	8.463	266	5643	0.941	ug/ml	96
91)	Phenanthrene	8.643	178	44283	1.000	ug/ml	99
92)	Anthracene	8.693	178	42879	0.980	ug/ml	99
93)	Carbazole	8.867	167	39554	0.957	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	43140	0.947	ug/ml	98
95)	Fluoranthene	9.781	202	52758	0.963	ug/ml#	92
96)	Benzidine	9.946	184	27185	0.870	ug/ml#	94
97)	Pyrene	9.989	202	57764	0.991	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	17465	0.898	ug/ml#	80
107)	Benzo(a)anthracene	11.183	228	56317	0.972	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.192	252	20507	0.965	ug/ml#	97
109)	Chrysene	11.217	228	56651	1.014	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.335	149	27758	0.903	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	44645	0.883	ug/ml#	71
112)	Benzo(b)fluoranthene	12.252	252	60227	1.014	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	57698	0.985	ug/ml#	93
114)	Benzo(a)pyrene	12.553	252	52945	0.977	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	56228	0.887	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.566	278	59013	0.948	ug/ml#	90
118)	Benzo(ghi)perylene	13.750	276	56806	0.943	ug/ml#	87

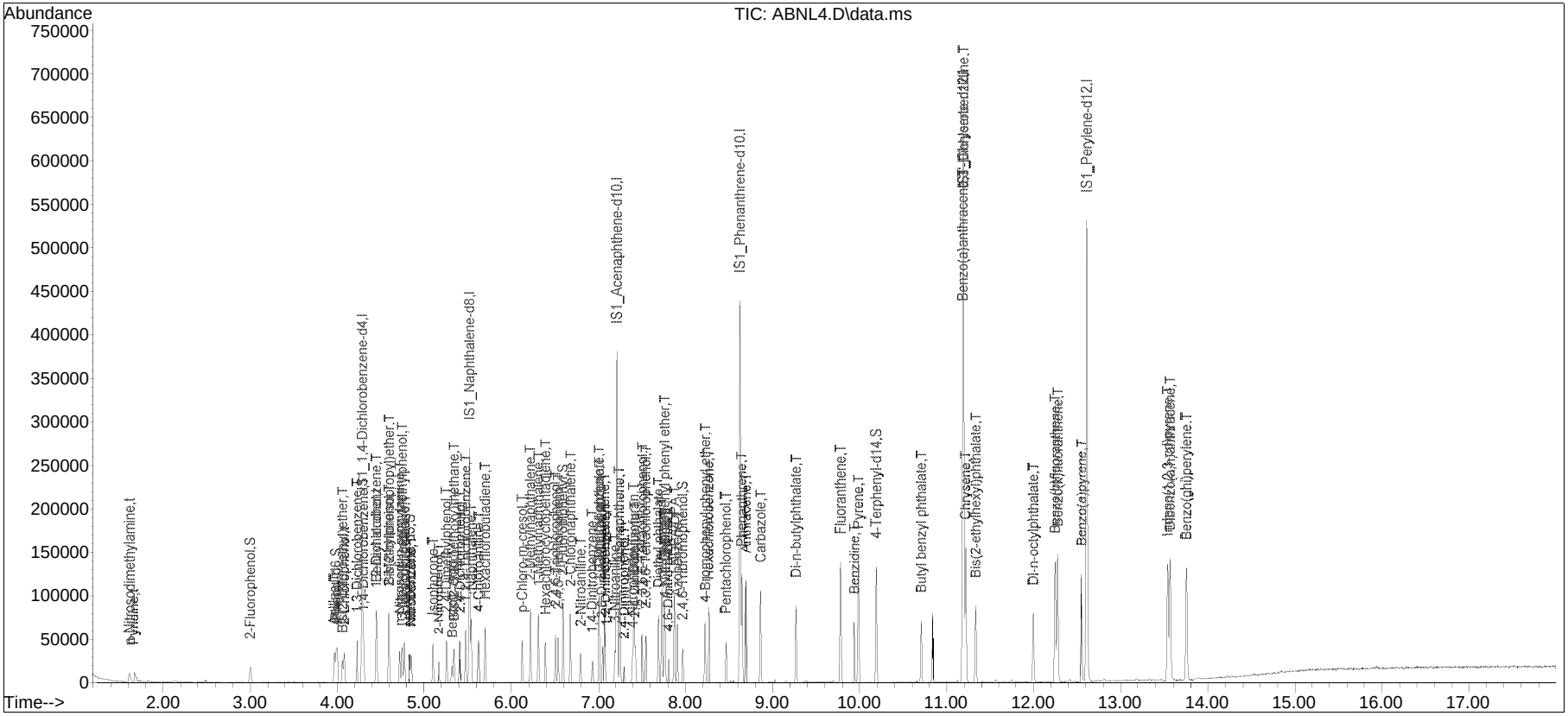
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

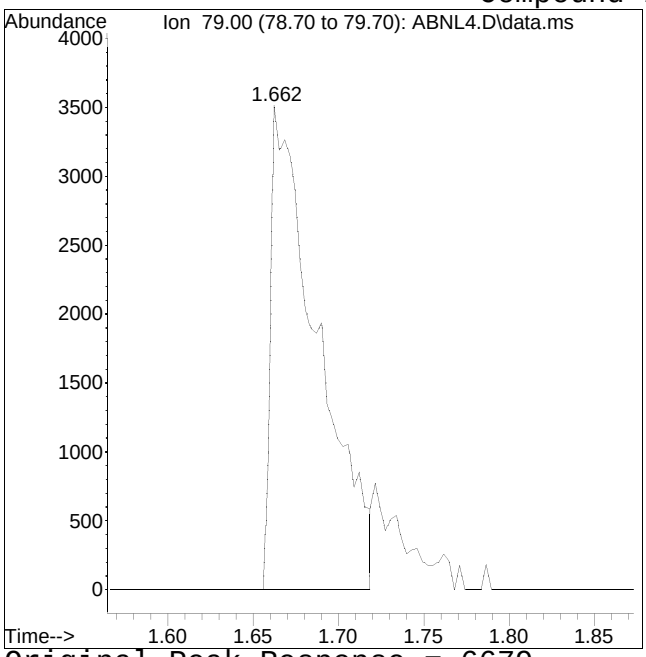
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

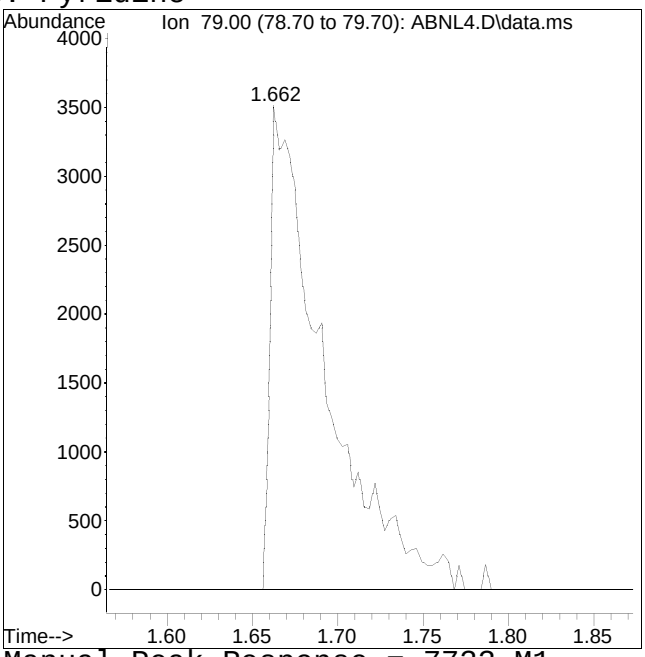


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL4.D
Date Inj'd : 11/5/2024 6:56 pm
Sample : IL7,32,,ABNL1 Lot# 11116
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #3: Pyridine





Original Peak Response = 6679 Manual Peak Response = 7733 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	29418	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery =	101.58%	
37) IS1_Naphthalene-d8	5.520	136	107040	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery =	99.52%	
65) IS1_Acenaphthene-d10	7.210	164	69588	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery =	100.05%	
90) IS1_Phenanthrene-d10	8.625	188	154469	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery =	103.11%	
106) IS1_Chrysene-d12	11.189	240	171586	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery =	99.16%	
115) IS1_Perylene-d12	12.609	264	198191	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery =	97.46%	
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	4114	0.594 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	29.70%	
7) Phenol-d6	3.984	99	5099	0.573 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	28.65%	
19) Nitrobenzene-d5	4.833	82	4322	0.533 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	53.30%	
48) 2-Fluorobiphenyl	6.592	172	14074	0.515 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	51.50%	
81) 2,4,6-Tribromophenol	7.969	330	2419	0.533 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	26.65%	
98) 4-Terphenyl-d14	10.191	244	23205	0.557 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	55.70%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.616	74	2320	0.493 ug/ml#	84
3) Pyridine	1.678	79	3401	0.461 ug/ml#	52
5) Aniline	3.969	93	6141	0.533 ug/ml#	95
6) 2-Chlorophenol	4.081	128	4589	0.548 ug/ml	91
8) Phenol	3.997	94	5365	0.516 ug/ml	98
9) Bis(2-chloroethyl)ether	4.062	93	3944	0.535 ug/ml#	73
10) 1,3-Dichlorobenzene	4.224	146	6253	0.508 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	5896	0.491 ug/ml	96
12) 1,2-Dichlorobenzene	4.447	146	6085	0.527 ug/ml	93
13) Benzyl alcohol	4.450	79	3277	0.504 ug/ml	92
14) Bis(2-chloroisopropyl)...	4.596	45	6779	0.452 ug/ml#	57

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	4182	0.571	ug/ml	98
16) Hexachloroethane	4.774	117	2279	0.522	ug/ml#	55
17) n-Nitrosodi-n-propylamine	4.724	70	3148	0.514	ug/ml#	83
18) 3-Methylphenol/4-Methy...	4.749	108	4315	0.555	ug/ml#	96
20) Nitrobenzene	4.851	77	4733	0.551	ug/ml	92
21) Isophorone	5.097	82	8339	0.527	ug/ml#	94
22) 2-Nitrophenol	5.168	139	2238	0.617	ug/ml#	83
23) 2,4-Dimethylphenol	5.255	107	3990	0.543	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.342	93	5699	0.567	ug/ml#	88
25) 2,4-Dichlorophenol	5.408	162	4928	0.539	ug/ml#	90
26) 1,2,4-Trichlorobenzene	5.479	180	5828	0.483	ug/ml#	93
38) Naphthalene	5.538	128	15620	0.544	ug/ml	99
39) Benzoic Acid	5.314	105	2055	1.933	ug/ml	93
40) 4-Chloroaniline	5.619	65	1649	0.440	ug/ml#	73
41) Hexachlorobutadiene	5.697	225	3809	0.510	ug/ml	97
42) p-Chloro-m-cresol	6.126	107	4123	0.553	ug/ml	94
43) 2-Methylnaphthalene	6.216	142	10794	0.533	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	3402	0.515	ug/ml	90
45) Hexachlorocyclopentadiene	6.390	237	3753	0.523	ug/ml#	92
46) 2,4,6-Trichlorophenol	6.508	196	3730	0.471	ug/ml	96
47) 2,4,5-Trichlorophenol	6.536	196	4171	0.479	ug/ml	94
49) 2-Chloronaphthalene	6.676	162	11828	0.500	ug/ml#	92
50) 2-Nitroaniline	6.797	138	2840	0.528	ug/ml#	79
51) 1,4-Dinitrobenzene	6.928	168	1198	0.446	ug/ml	98
52) 1,3-Dinitrobenzene	7.002	168	1608	0.504	ug/ml#	1
53) Dimethyl phthalate	7.002	163	13663	0.485	ug/ml#	93
54) Acenaphthylene	7.067	152	17423	0.506	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	2472	0.522	ug/ml#	72
56) 1,2-Dinitrobenzene	7.077	168	869	0.468	ug/ml#	1
66) 3-Nitroaniline	7.192	138	2555	0.550	ug/ml#	87
67) Acenaphthene	7.238	154	10391	0.538	ug/ml	86
68) 2,4-Dinitrophenol	7.294	184	1122	0.372	ug/ml#	60
69) Dibenzofuran	7.409	168	18140	0.543	ug/ml	90
70) 2,4-Dinitrotoluene	7.422	165	3188	0.497	ug/ml#	87
71) 4-Nitrophenol	7.397	65	1815	0.493	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	3995	0.590	ug/ml	95
73) 2,3,4,6-Tetrachlorophenol	7.546	232	3636	0.546	ug/ml	95
74) Diethyl phthalate	7.686	149	14100	0.537	ug/ml	97
75) Fluorene	7.736	166	13902	0.530	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	7123	0.526	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 4-Nitroaniline	7.770	138	2602	0.505	ug/ml	82
78) 4,6-Dinitro-o-cresol	7.807	198	1926	0.800	ug/ml#	53
79) NDPA/DPA	7.879	169	12162	0.537	ug/ml	95
80) Azobenzene	7.910	77	11871	0.563	ug/ml	97
82) 4-Bromophenyl phenyl e...	8.227	248	4868	0.565	ug/ml#	77
83) Hexachlorobenzene	8.270	284	5936	0.545	ug/ml#	81
84) Pentachlorophenol	8.463	266	2717	0.459	ug/ml	95
91) Phenanthrene	8.643	178	23436	0.535	ug/ml	96
92) Anthracene	8.693	178	22990	0.531	ug/ml	98
93) Carbazole	8.867	167	21414	0.524	ug/ml	99
94) Di-n-butylphthalate	9.271	149	23305	0.517	ug/ml#	98
95) Fluoranthene	9.781	202	28196	0.521	ug/ml#	91
96) Benzidine	9.946	184	13470	0.436	ug/ml#	94
97) Pyrene	9.989	202	30155	0.523	ug/ml	98
99) Butyl benzyl phthalate	10.707	149	9250	0.481	ug/ml#	83
107) Benzo(a)anthracene	11.183	228	30189	0.533	ug/ml	99
108) 3,3'-Dichlorobenzidine	11.192	252	10487	0.505	ug/ml#	97
109) Chrysene	11.217	228	31185	0.571	ug/ml	99
110) Bis(2-ethylhexyl)phtha...	11.335	149	14256	0.474	ug/ml#	89
111) Di-n-octylphthalate	11.991	149	22394	0.453	ug/ml#	74
112) Benzo(b)fluoranthene	12.252	252	31504	0.543	ug/ml#	93
113) Benzo(k)fluoranthene	12.277	252	30567	0.534	ug/ml#	93
114) Benzo(a)pyrene	12.553	252	26723	0.505	ug/ml#	92
116) Indeno(1,2,3-cd)pyrene	13.542	276	29560	0.488	ug/mL#	88
117) Dibenzo(a,h)anthracene	13.567	278	30045	0.505	ug/ml#	89
118) Benzo(ghi)perylene	13.750	276	30478	0.529	ug/ml#	84

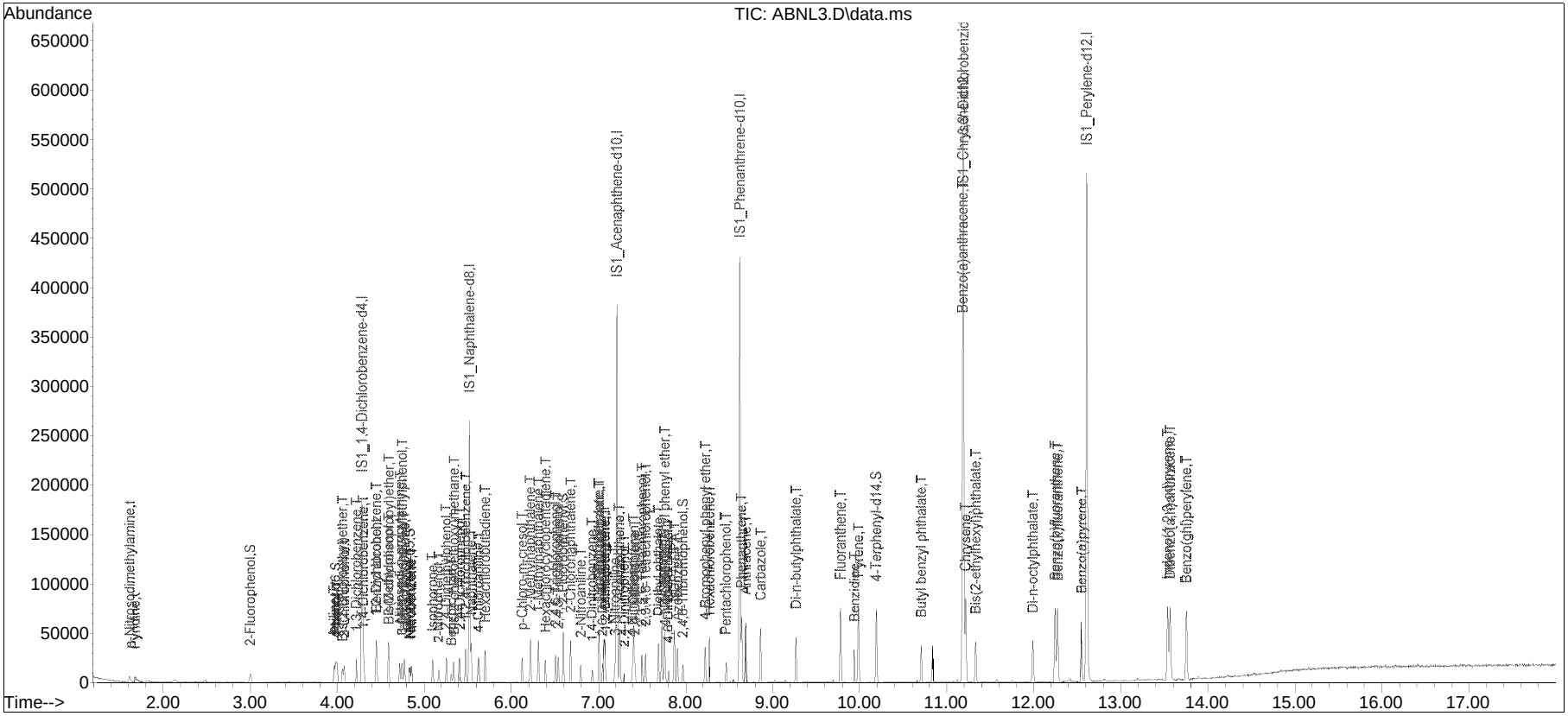
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL3.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 7:19 pm	Instrument	: Dakota
Sample	: IL8,32,,ABNL0.5 Lot# 11117	Quant Date	: 11/6/2024 8:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	26744	4.000	ug/ml	0.00
Standard Area 1 = 28960			Recovery = 92.35%			
37) IS1_Naphthalene-d8	5.520	136	97597	4.000	ug/ml	0.00
Standard Area 1 = 107558			Recovery = 90.74%			
65) IS1_Acenaphthene-d10	7.210	164	61798	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 88.85%			
90) IS1_Phenanthrene-d10	8.621	188	140419	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 93.73%			
106) IS1_Chrysene-d12	11.189	240	157363	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 90.94%			
115) IS1_Perylene-d12	12.609	264	178706	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 87.88%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.002	112	1343	0.213	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.65%#			
7) Phenol-d6	3.984	99	1724	0.213	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.65%#			
19) Nitrobenzene-d5	4.836	82	1535	0.208	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 20.80%#			
48) 2-Fluorobiphenyl	6.592	172	4771	0.191	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 19.10%#			
81) 2,4,6-Tribromophenol	7.969	330	885	0.220	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.00%#			
98) 4-Terphenyl-d14	10.188	244	7997	0.211	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 21.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.619	74	731	0.171	ug/ml#	88
3) Pyridine	1.703	79	992	0.148	ug/ml#	1
5) Aniline	3.972	93	1909	0.182	ug/ml#	77
6) 2-Chlorophenol	4.077	128	1411	0.185	ug/ml#	71
8) Phenol	4.000	94	1770	0.187	ug/ml#	73
9) Bis(2-chloroethyl)ether	4.062	93	1212	0.181	ug/ml#	73
10) 1,3-Dichlorobenzene	4.227	146	1946M3	0.174	ug/ml	
11) 1,4-Dichlorobenzene	4.301	146	2074	0.190	ug/ml	93
12) 1,2-Dichlorobenzene	4.450	146	2094	0.200	ug/ml	92
13) Benzyl alcohol	4.453	79	1147	0.194	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.593	45	2334	0.171	ug/ml#	51

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	1387	0.208	ug/ml#	89
16) Hexachloroethane	4.774	117	675	0.170	ug/ml#	46
17) n-Nitrosodi-n-propylamine	4.724	70	1115	0.200	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.749	108	1604	0.227	ug/ml#	96
20) Nitrobenzene	4.854	77	1500	0.192	ug/ml#	85
21) Isophorone	5.100	82	2890	0.201	ug/ml#	65
22) 2-Nitrophenol	5.165	139	785	0.238	ug/ml#	31
23) 2,4-Dimethylphenol	5.255	107	1345	0.201	ug/ml	93
24) Bis(2-chloroethoxy)met...	5.339	93	1764	0.193	ug/ml#	89
25) 2,4-Dichlorophenol	5.408	162	1570	0.189	ug/ml#	75
26) 1,2,4-Trichlorobenzene	5.479	180	2035	0.186	ug/ml	88
38) Naphthalene	5.538	128	5444	0.208	ug/ml	99
39) Benzoic Acid	5.311	105	305M2	1.675	ug/ml	
40) 4-Chloroaniline	5.622	65	556	0.163	ug/ml#	56
41) Hexachlorobutadiene	5.697	225	1142	0.168	ug/ml	96
42) p-Chloro-m-cresol	6.126	107	1357	0.200	ug/ml#	82
43) 2-Methylnaphthalene	6.219	142	3600	0.195	ug/ml	95
44) 1-Methylnaphthalene	6.306	115	1113M3	0.185	ug/ml	
45) Hexachlorocyclopentadiene	6.390	237	1098	0.168	ug/ml#	87
46) 2,4,6-Trichlorophenol	6.508	196	1360	0.188	ug/ml#	83
47) 2,4,5-Trichlorophenol	6.539	196	1464	0.185	ug/ml#	83
49) 2-Chloronaphthalene	6.679	162	4378	0.203	ug/ml#	91
50) 2-Nitroaniline	6.794	138	967	0.197	ug/ml#	44
51) 1,4-Dinitrobenzene	6.928	168	309M2	0.126	ug/ml	
52) 1,3-Dinitrobenzene	7.005	168	453M2	0.156	ug/ml	
53) Dimethyl phthalate	7.002	163	4834	0.188	ug/ml#	77
54) Acenaphthylene	7.067	152	5876	0.187	ug/ml	100
55) 2,6-Dinitrotoluene	7.043	165	768	0.178	ug/ml#	50
56) 1,2-Dinitrobenzene	7.083	168	212M2	0.125	ug/ml	
66) 3-Nitroaniline	7.192	138	892	0.216	ug/ml#	67
67) Acenaphthene	7.238	154	3717	0.217	ug/ml	91
68) 2,4-Dinitrophenol	7.291	184	291M2	0.109	ug/ml	
69) Dibenzofuran	7.409	168	6564	0.221	ug/ml	96
70) 2,4-Dinitrotoluene	7.422	165	1006	0.177	ug/ml#	60
71) 4-Nitrophenol	7.394	65	638	0.195	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.506	232	1294	0.215	ug/ml	87
73) 2,3,4,6-Tetrachlorophenol	7.546	232	1161	0.196	ug/ml	92
74) Diethyl phthalate	7.686	149	4946	0.212	ug/ml	96
75) Fluorene	7.736	166	4961	0.213	ug/ml	87
76) 4-Chlorophenyl phenyl ...	7.761	204	2543	0.212	ug/ml#	79

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	798	0.174	ug/ml#	80
78)	4,6-Dinitro-o-cresol	7.810	198	460M2	0.497	ug/ml	
79)	NDPA/DPA	7.879	169	4188	0.208	ug/ml	88
80)	Azobenzene	7.910	77	4014	0.215	ug/ml#	95
82)	4-Bromophenyl phenyl e...	8.227	248	1681	0.220	ug/ml#	82
83)	Hexachlorobenzene	8.267	284	2219	0.229	ug/ml#	76
84)	Pentachlorophenol	8.466	266	864	0.164	ug/ml	98
91)	Phenanthrene	8.643	178	8748	0.220	ug/ml	98
92)	Anthracene	8.690	178	8056	0.205	ug/ml	99
93)	Carbazole	8.864	167	7288	0.196	ug/ml	99
94)	Di-n-butylphthalate	9.271	149	7684	0.188	ug/ml#	93
95)	Fluoranthene	9.781	202	10128	0.206	ug/ml#	92
96)	Benzidine	9.945	184	4612	0.164	ug/ml#	86
97)	Pyrene	9.989	202	10851	0.207	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	2914	0.167	ug/ml#	82
107)	Benzo(a)anthracene	11.179	228	10880	0.210	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.192	252	3454	0.181	ug/ml	98
109)	Chrysene	11.217	228	10803	0.216	ug/ml	96
110)	Bis(2-ethylhexyl)phtha...	11.335	149	4698	0.170	ug/ml#	85
111)	Di-n-octylphthalate	11.994	149	8032	0.177	ug/ml#	73
112)	Benzo(b)fluoranthene	12.252	252	11034	0.207	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	9946	0.189	ug/ml#	94
114)	Benzo(a)pyrene	12.553	252	9411	0.194	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.538	276	10109	0.185	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.566	278	10097	0.188	ug/ml#	90
118)	Benzo(ghi)perylene	13.747	276	10475	0.201	ug/ml#	84

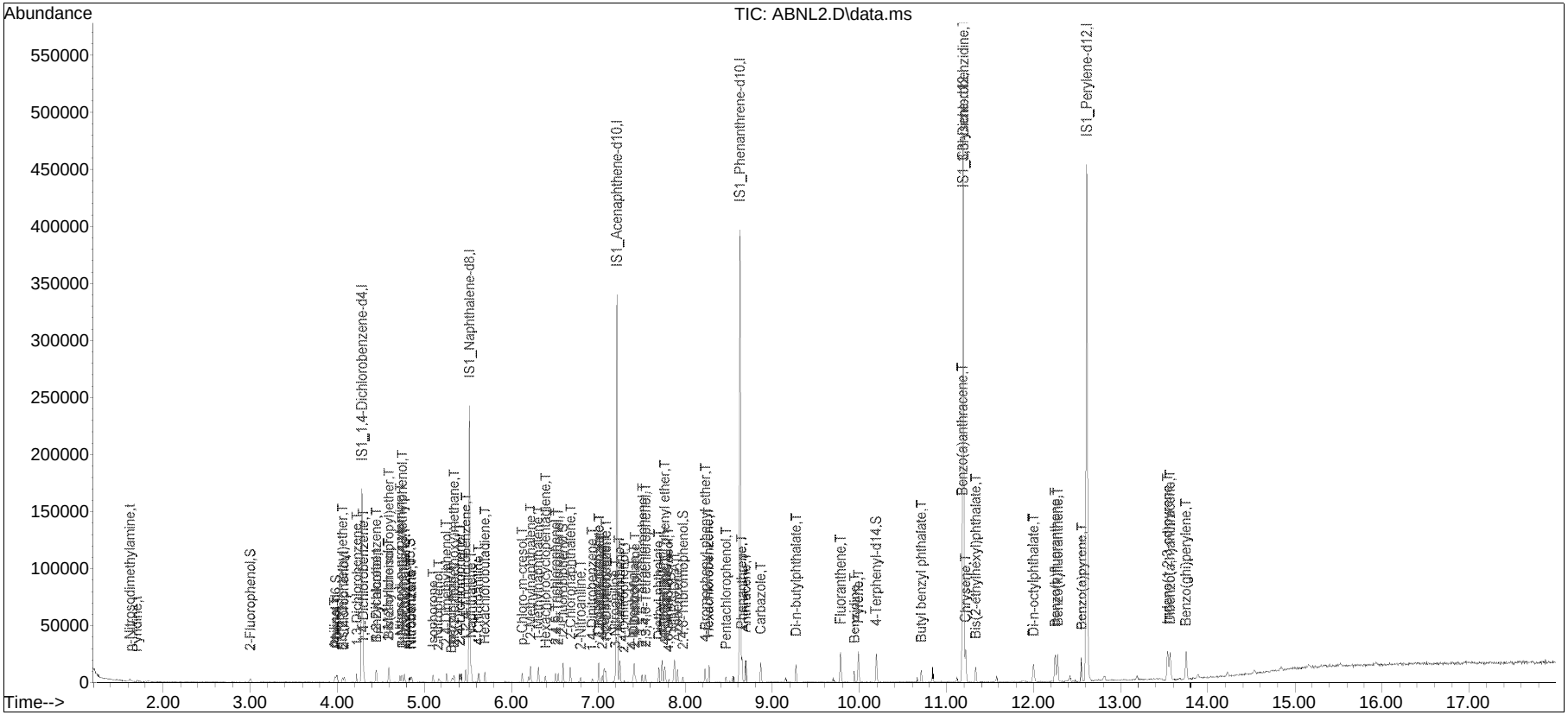
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

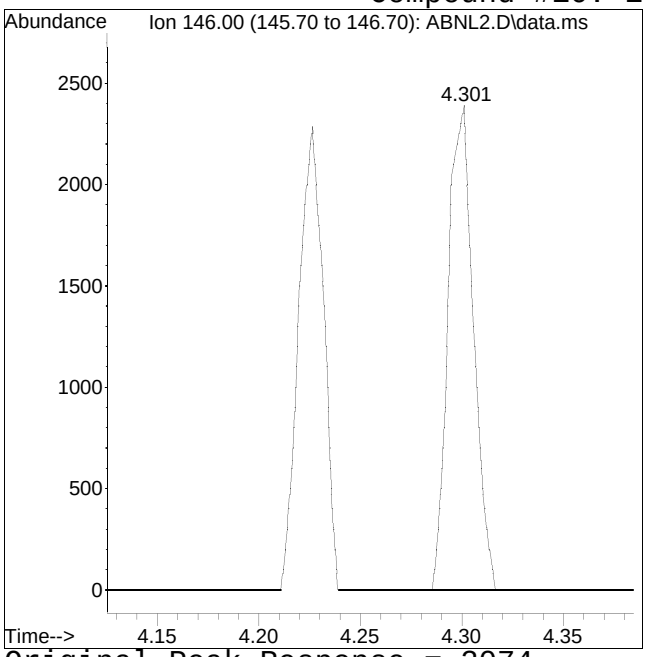
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

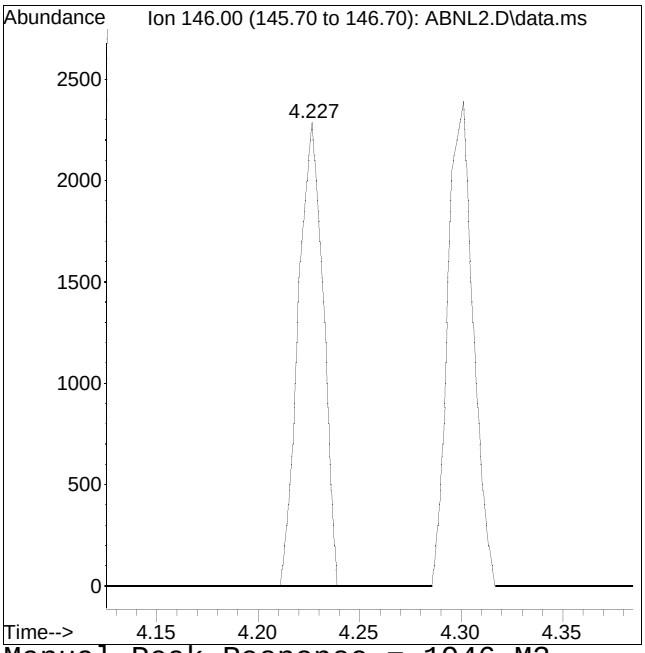


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #10: 1,3-Dichlorobenzene





Original Peak Response = 2074 Manual Peak Response = 1946 M3

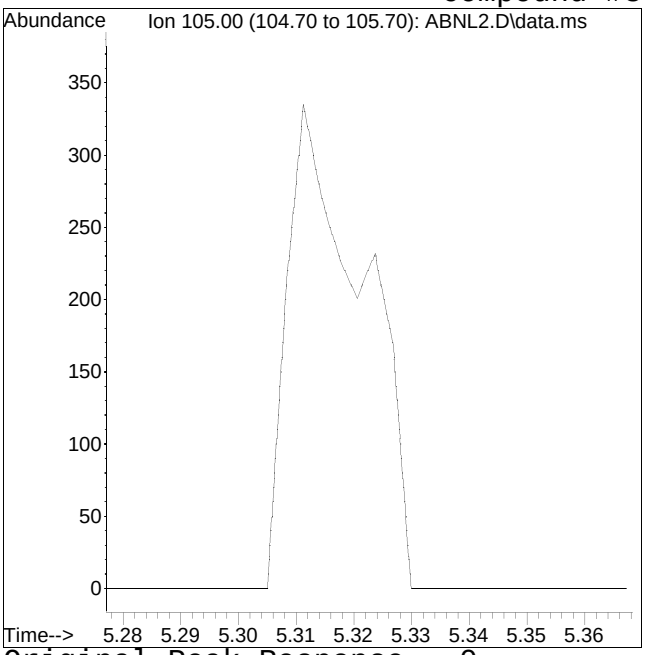
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

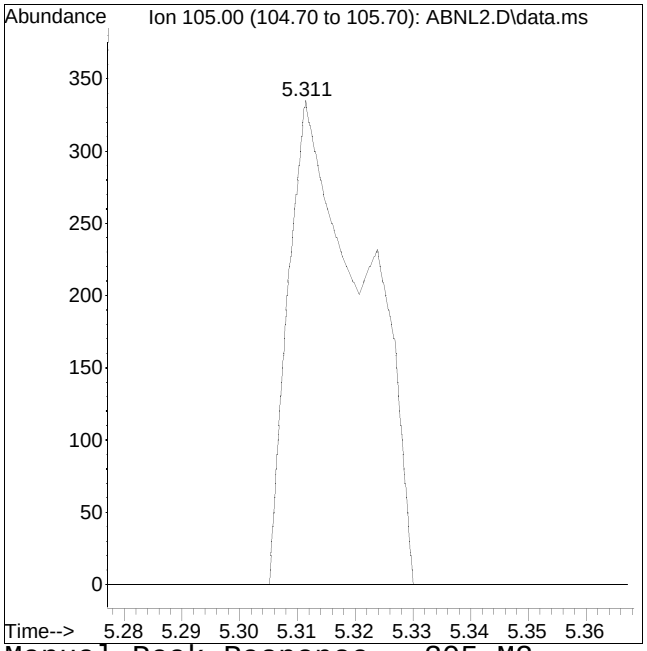
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #39: Benzoic Acid



Original Peak Response = 0



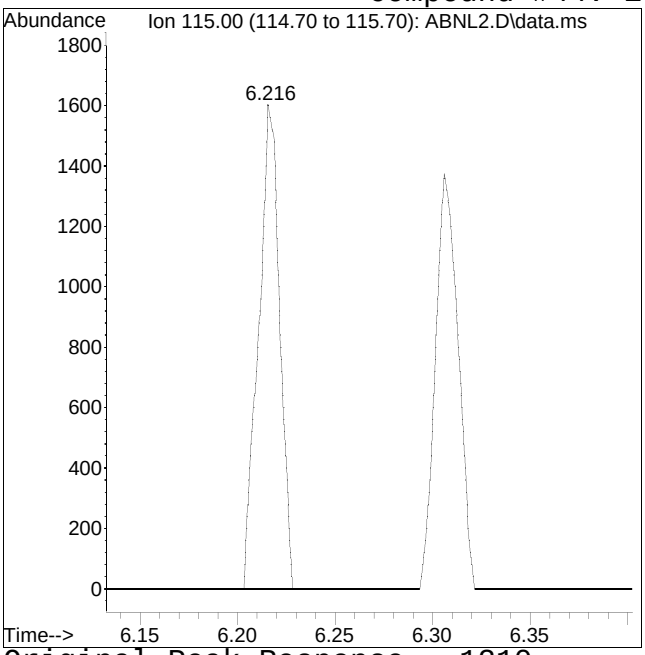
Manual Peak Response = 305 M2

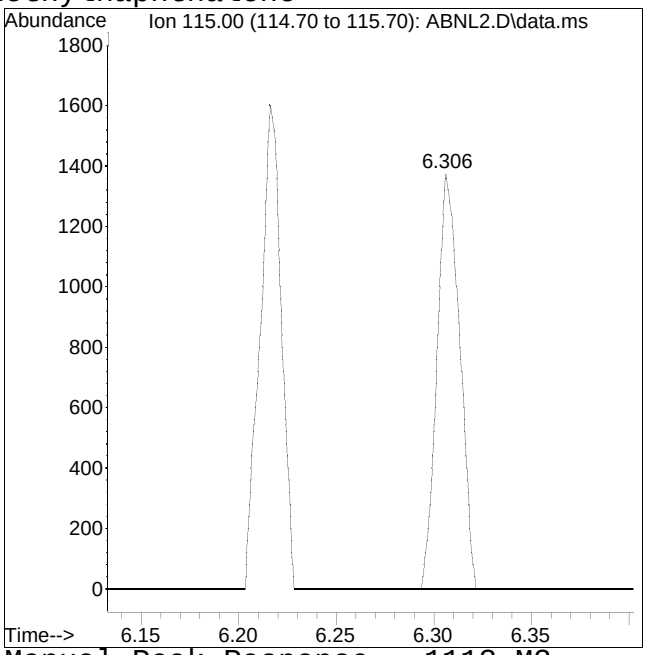
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #44: 1-Methylnaphthalene





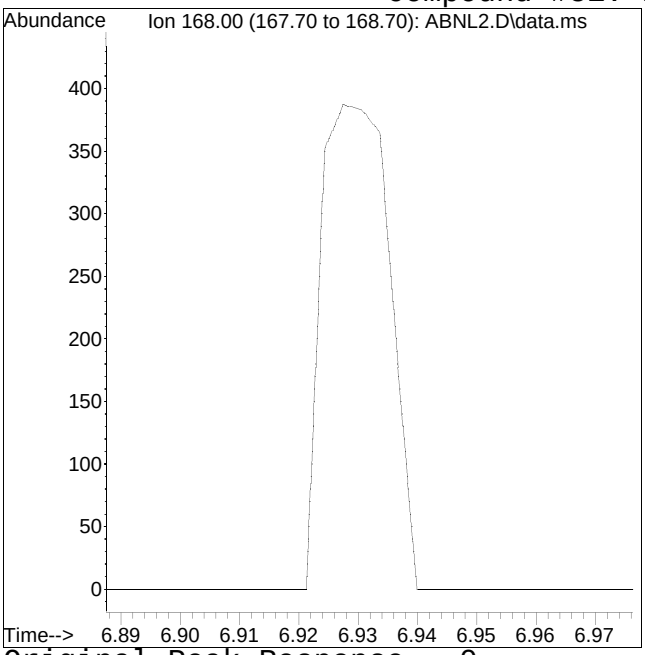
Original Peak Response = 1210 Manual Peak Response = 1113 M3

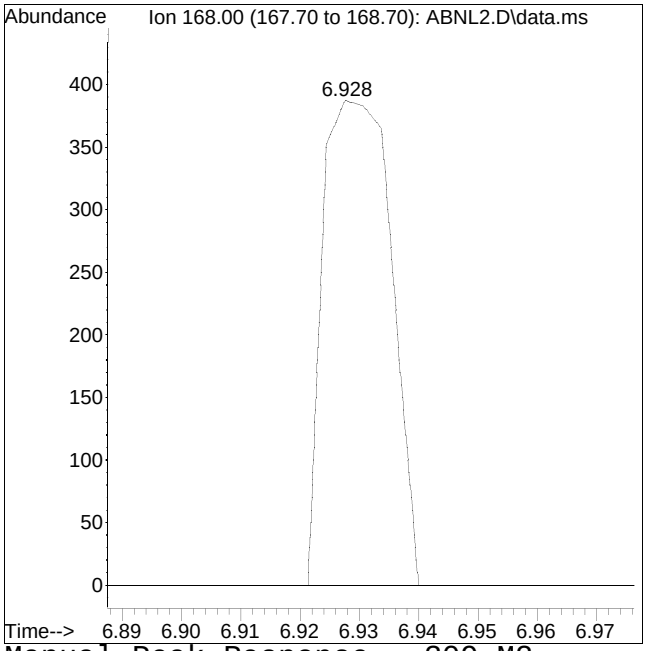
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL2.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 7:42 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 11149Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene





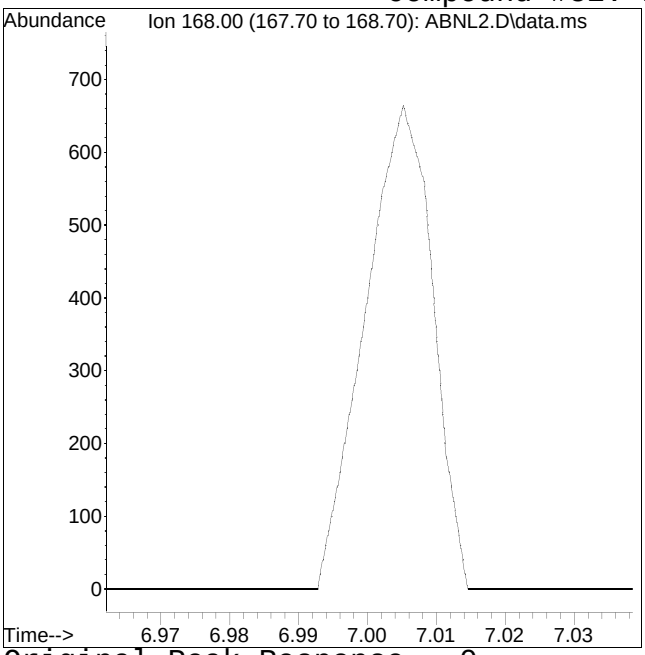
Original Peak Response = 0 Manual Peak Response = 309 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

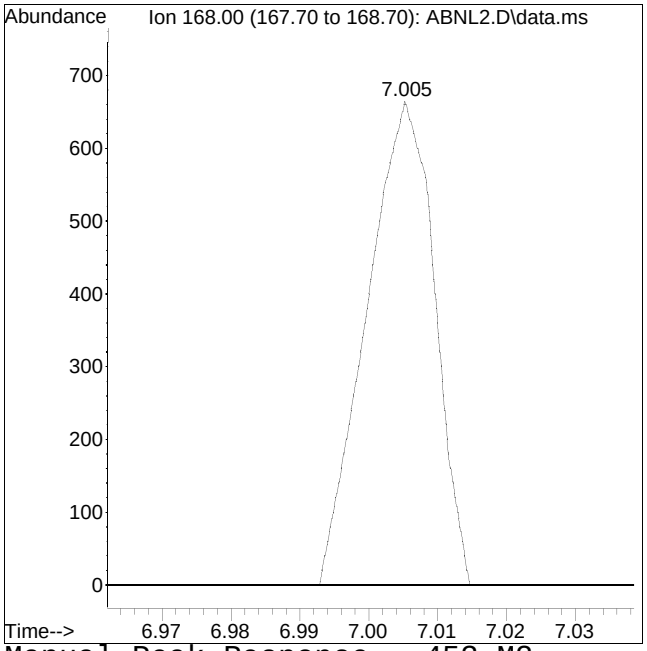
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #52: 1,3-Dinitrobenzene



Original Peak Response = 0



Manual Peak Response = 453 M2

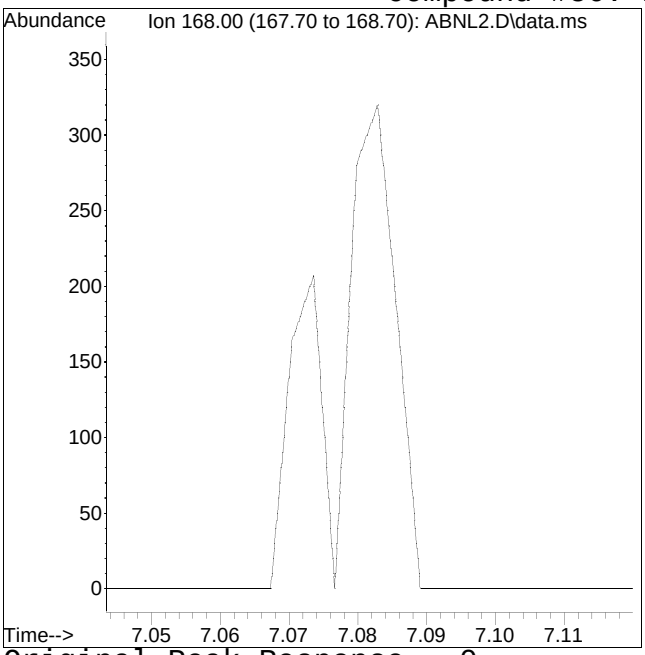
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

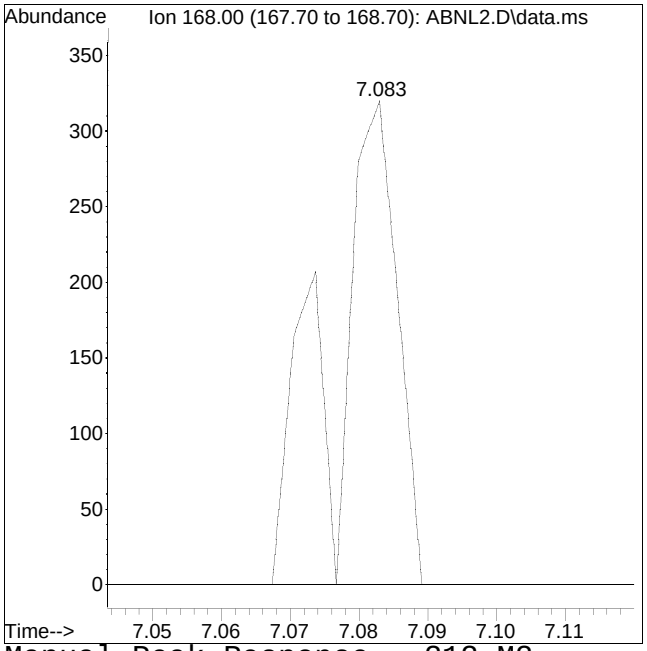
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 0



Manual Peak Response = 212 M2

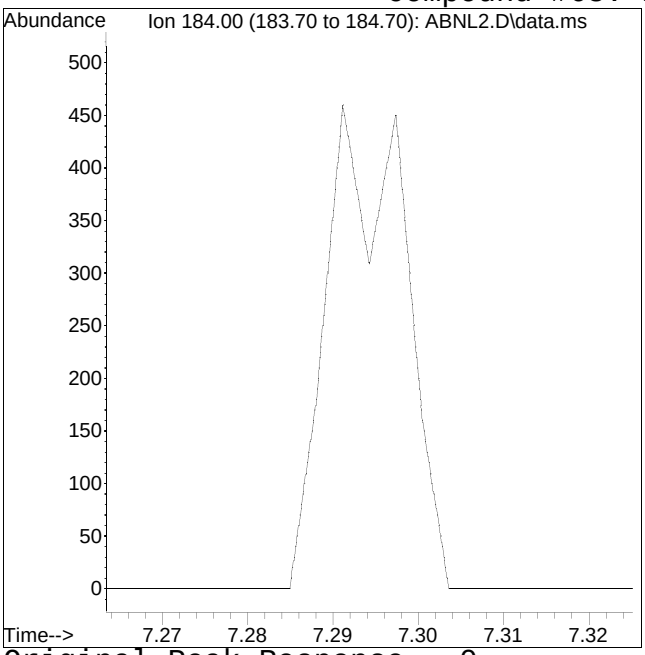
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

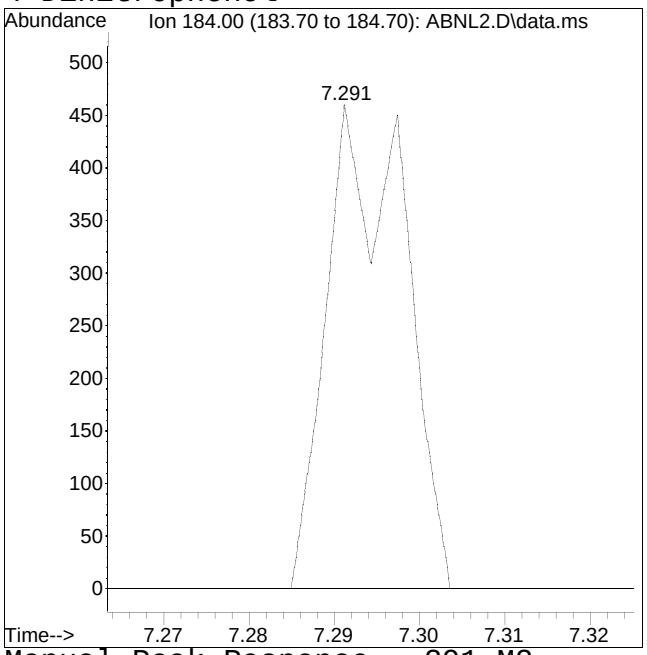
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #68: 2,4-Dinitrophenol



Original Peak Response = 0



Manual Peak Response = 291 M2

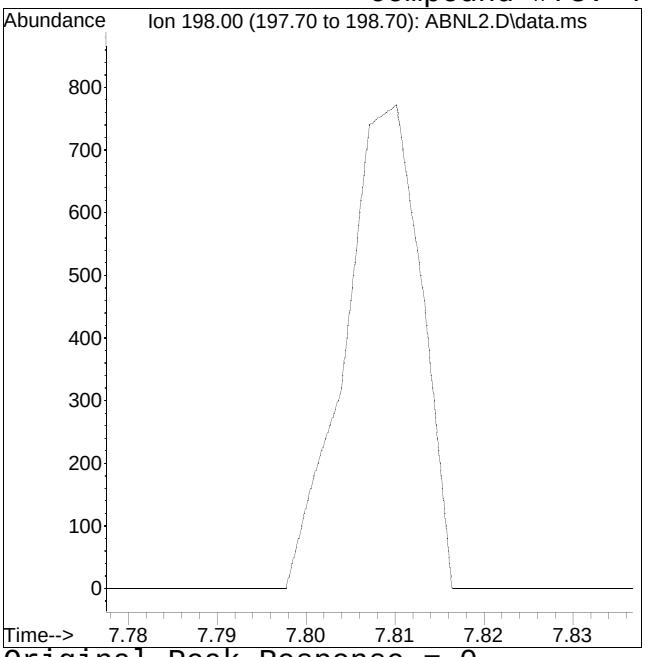
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

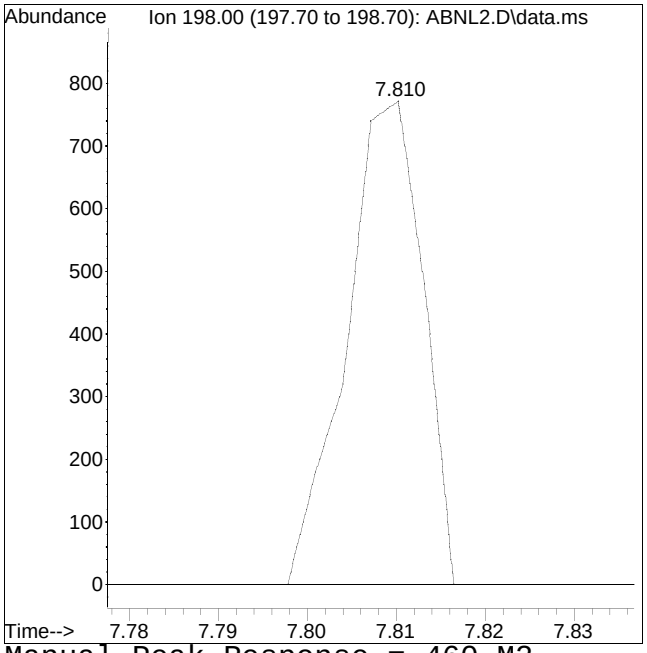
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #78: 4,6-Dinitro-o-cresol



Original Peak Response = 0



Manual Peak Response = 460 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	27369	4.000	ug/ml	0.00
Standard Area 1 = 28960			Recovery = 94.51%			
37) IS1_Naphthalene-d8	5.520	136	99976	4.000	ug/ml	0.00
Standard Area 1 = 107558			Recovery = 92.95%			
65) IS1_Acenaphthene-d10	7.210	164	64152	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 92.23%			
90) IS1_Phenanthrene-d10	8.621	188	144467	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 96.43%			
106) IS1_Chrysene-d12	11.189	240	161244	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 93.19%			
115) IS1_Perylene-d12	12.609	264	182414	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 89.70%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	718	0.112	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.60%#			
7) Phenol-d6	3.987	99	1069	0.129	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 6.45%#			
19) Nitrobenzene-d5	4.836	82	848	0.112	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.20%#			
48) 2-Fluorobiphenyl	6.592	172	3465	0.136	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 13.60%#			
81) 2,4,6-Tribromophenol	7.966	330	505	0.121	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 6.05%#			
98) 4-Terphenyl-d14	10.191	244	5994	0.154	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 15.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.619	74	471M2	0.107	ug/ml	
3) Pyridine	1.721	79	491M2	0.072	ug/ml	
5) Aniline	3.972	93	1245	0.116	ug/ml#	83
6) 2-Chlorophenol	4.081	128	966	0.124	ug/ml#	30
8) Phenol	4.000	94	1175	0.121	ug/ml#	74
9) Bis(2-chloroethyl)ether	4.065	93	882	0.129	ug/ml#	65
10) 1,3-Dichlorobenzene	4.227	146	1361M3	0.119	ug/ml	
11) 1,4-Dichlorobenzene	4.301	146	1449	0.130	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	1160M3	0.108	ug/ml	
13) Benzyl alcohol	4.457	79	695	0.115	ug/ml#	87
14) Bis(2-chloroisopropyl)...	4.596	45	1532	0.110	ug/ml#	48

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	890	0.131	ug/ml#	87
16) Hexachloroethane	4.774	117	541	0.133	ug/ml#	53
17) n-Nitrosodi-n-propylamine	4.727	70	767	0.135	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.752	108	1033	0.143	ug/ml#	87
20) Nitrobenzene	4.851	77	926	0.116	ug/ml#	39
21) Isophorone	5.100	82	1864	0.127	ug/ml#	65
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	5.255	107	936	0.137	ug/ml#	64
24) Bis(2-chloroethoxy)met...	5.342	93	1098	0.117	ug/ml#	50
25) 2,4-Dichlorophenol	5.408	162	1059	0.124	ug/ml#	73
26) 1,2,4-Trichlorobenzene	5.479	180	1353	0.121	ug/ml#	82
38) Naphthalene	5.538	128	3631	0.135	ug/ml#	52
39) Benzoic Acid	5.314	105	144M2	1.648	ug/ml	
40) 4-Chloroaniline	5.625	65	375M2	0.107	ug/ml	
41) Hexachlorobutadiene	5.697	225	744	0.107	ug/ml#	53
42) p-Chloro-m-cresol	6.129	107	854	0.123	ug/ml#	77
43) 2-Methylnaphthalene	6.216	142	2612	0.138	ug/ml	98
44) 1-Methylnaphthalene	6.309	115	803	0.130	ug/ml	84
45) Hexachlorocyclopentadiene	6.390	237	743	0.111	ug/ml#	27
46) 2,4,6-Trichlorophenol	6.511	196	814	0.110	ug/ml#	79
47) 2,4,5-Trichlorophenol	6.536	196	998	0.123	ug/ml#	81
49) 2-Chloronaphthalene	6.679	162	2781	0.126	ug/ml#	89
50) 2-Nitroaniline	6.797	138	550	0.109	ug/ml#	60
51) 1,4-Dinitrobenzene	6.928	168	232M2	0.093	ug/ml	
52) 1,3-Dinitrobenzene	6.999	168	271M2	0.091	ug/ml	
53) Dimethyl phthalate	7.002	163	3294	0.125	ug/ml#	77
54) Acenaphthylene	7.067	152	3963	0.123	ug/ml#	84
55) 2,6-Dinitrotoluene	7.039	165	480M3	0.108	ug/ml	
56) 1,2-Dinitrobenzene	7.083	168	66M2	0.038	ug/ml	
66) 3-Nitroaniline	7.192	138	500	0.117	ug/ml#	34
67) Acenaphthene	7.238	154	2671	0.150	ug/ml	94
68) 2,4-Dinitrophenol	7.294	184	194M2	0.070	ug/ml	
69) Dibenzofuran	7.409	168	4484	0.145	ug/ml	95
70) 2,4-Dinitrotoluene	7.422	165	598	0.101	ug/ml#	62
71) 4-Nitrophenol	7.397	65	368M3	0.108	ug/ml	
72) 2,3,5,6-Tetrachlorophenol	7.506	232	745	0.119	ug/ml#	73
73) 2,3,4,6-Tetrachlorophenol	7.543	232	860	0.140	ug/ml#	68
74) Diethyl phthalate	7.689	149	3507	0.145	ug/ml#	85
75) Fluorene	7.736	166	3304	0.137	ug/ml#	85
76) 4-Chlorophenyl phenyl ...	7.764	204	1762	0.141	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.773	138	378M2	0.080	ug/ml	
78)	4,6-Dinitro-o-cresol	7.810	198	385M2	0.476	ug/ml	
79)	NDPA/DPA	7.879	169	3050	0.146	ug/ml	97
80)	Azobenzene	7.910	77	2486	0.128	ug/ml#	80
82)	4-Bromophenyl phenyl e...	8.227	248	1158	0.146	ug/ml#	76
83)	Hexachlorobenzene	8.267	284	1435	0.143	ug/ml#	33
84)	Pentachlorophenol	8.466	266	597	0.109	ug/ml#	19
91)	Phenanthrene	8.646	178	5979	0.146	ug/ml	99
92)	Anthracene	8.693	178	5679	0.140	ug/ml	97
93)	Carbazole	8.864	167	4793	0.125	ug/ml	96
94)	Di-n-butylphthalate	9.271	149	5118	0.121	ug/ml#	79
95)	Fluoranthene	9.781	202	7016	0.138	ug/ml#	92
96)	Benzidine	9.946	184	2944	0.102	ug/ml#	68
97)	Pyrene	9.989	202	7325	0.136	ug/ml	96
99)	Butyl benzyl phthalate	10.704	149	2048	0.114	ug/ml#	83
107)	Benzo(a)anthracene	11.179	228	7534	0.142	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.195	252	2367	0.121	ug/ml#	86
109)	Chrysene	11.217	228	7896	0.154	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.332	149	3348	0.119	ug/ml#	88
111)	Di-n-octylphthalate	11.994	149	5561	0.120	ug/ml#	55
112)	Benzo(b)fluoranthene	12.252	252	7346	0.135	ug/ml#	95
113)	Benzo(k)fluoranthene	12.277	252	7028	0.131	ug/ml#	92
114)	Benzo(a)pyrene	12.553	252	6027	0.121	ug/ml#	94
116)	Indeno(1,2,3-cd)pyrene	13.542	276	7287	0.131	ug/mL#	90
117)	Dibenzo(a,h)anthracene	13.566	278	6856	0.125	ug/ml#	92
118)	Benzo(ghi)perylene	13.747	276	7053	0.133	ug/ml#	88

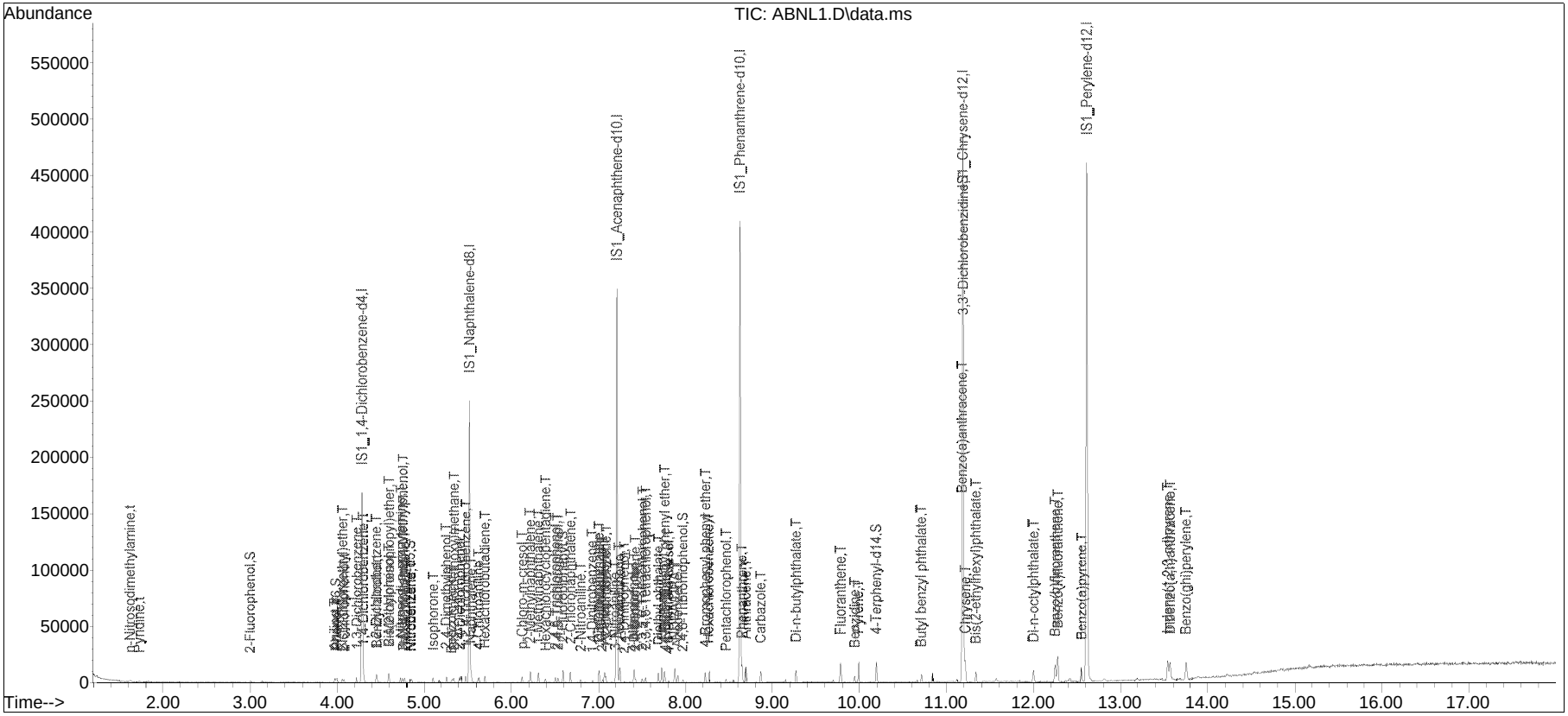
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

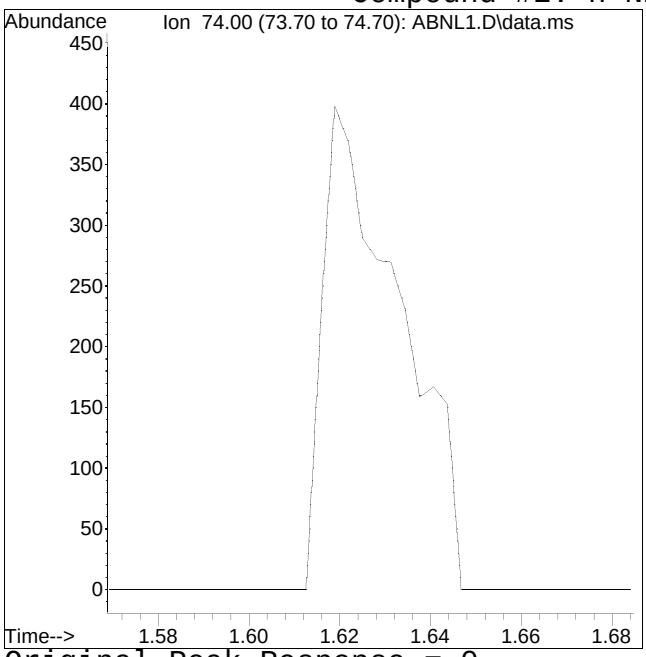
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

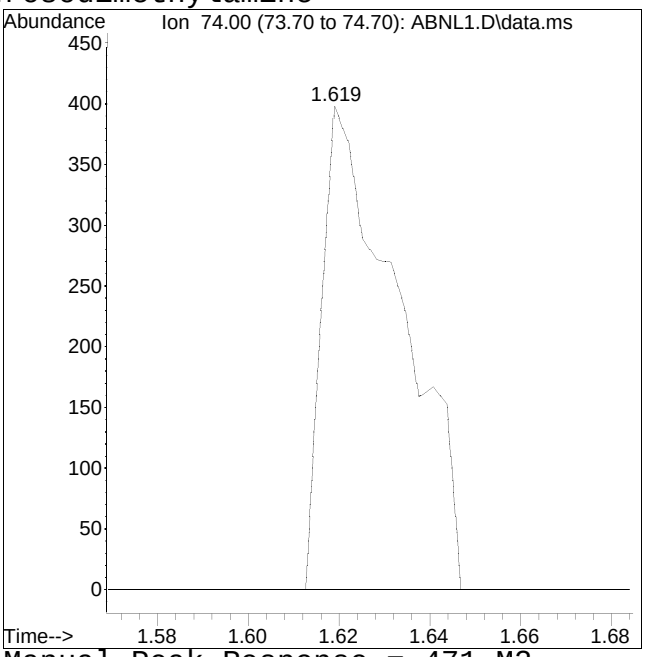


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #2: n-Nitrosodimethylamine



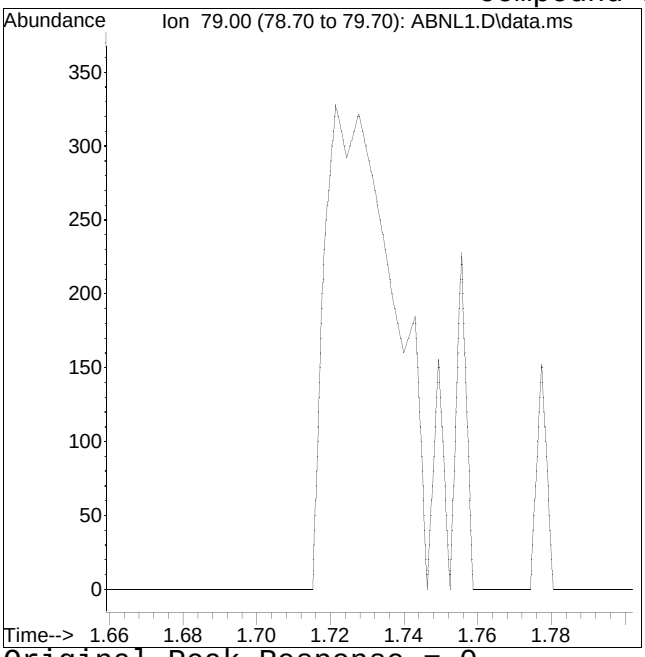


Original Peak Response = 0
Manual Peak Response = 471 M2
M2 = Peak not found by automatic integration algorithm.

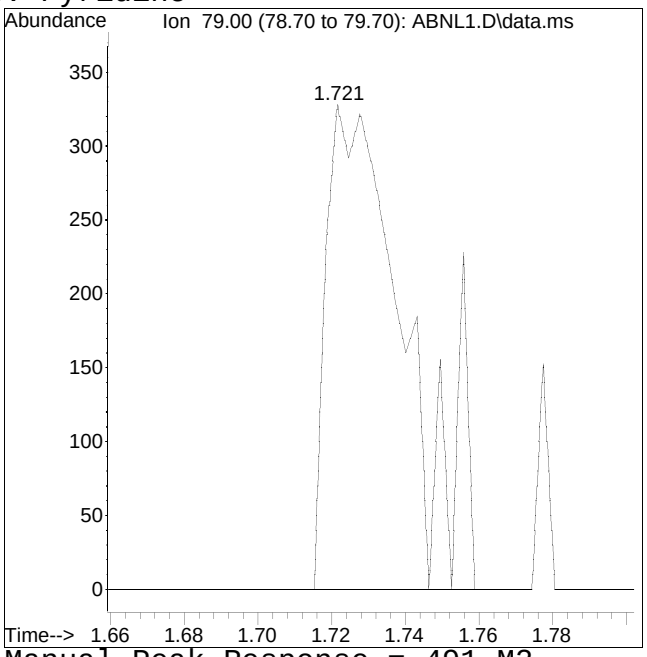
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #3: Pyridine



Original Peak Response = 0



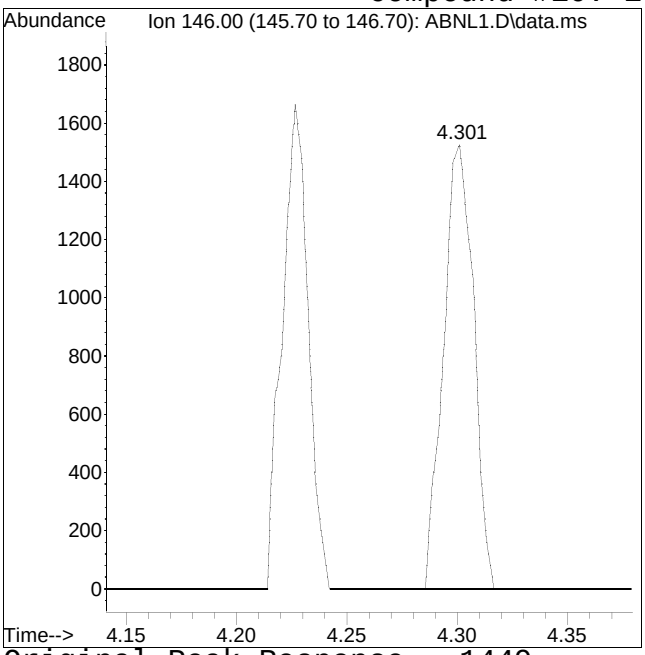
Manual Peak Response = 491 M2

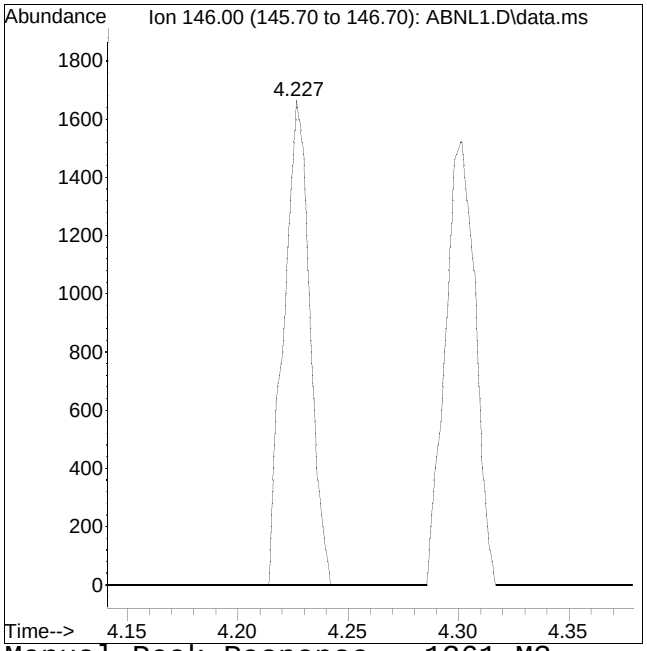
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #10: 1,3-Dichlorobenzene





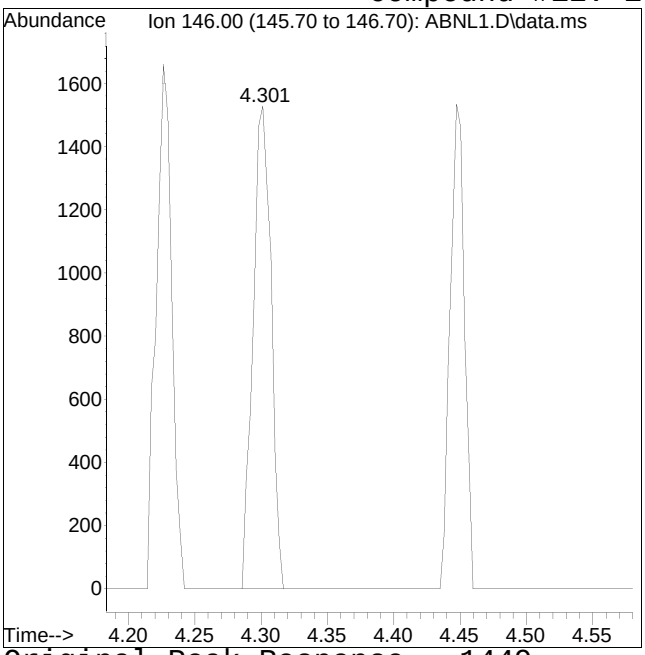
Original Peak Response = 1449 Manual Peak Response = 1361 M3

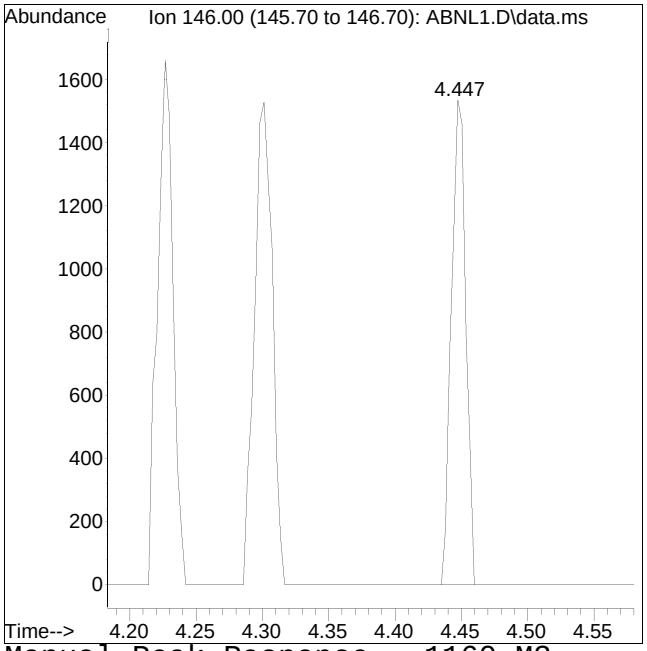
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #12: 1,2-Dichlorobenzene





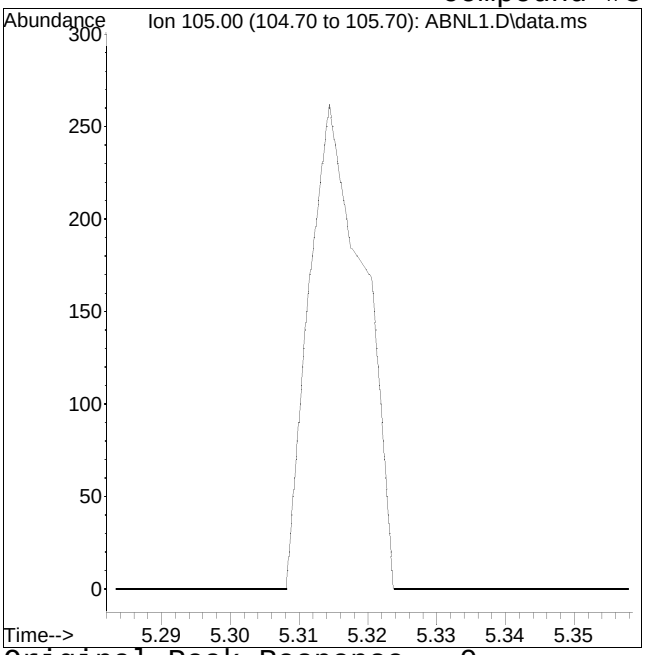
Original Peak Response = 1449 Manual Peak Response = 1160 M3

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.

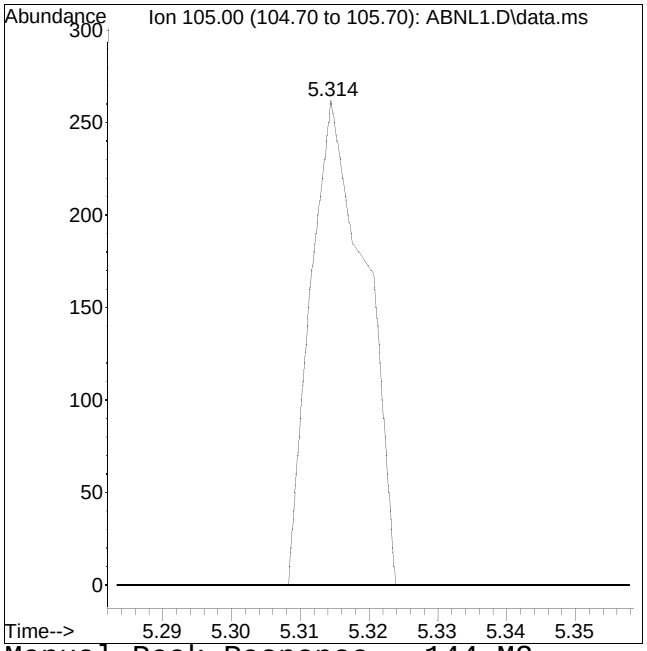
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #39: Benzoic Acid



Original Peak Response = 0



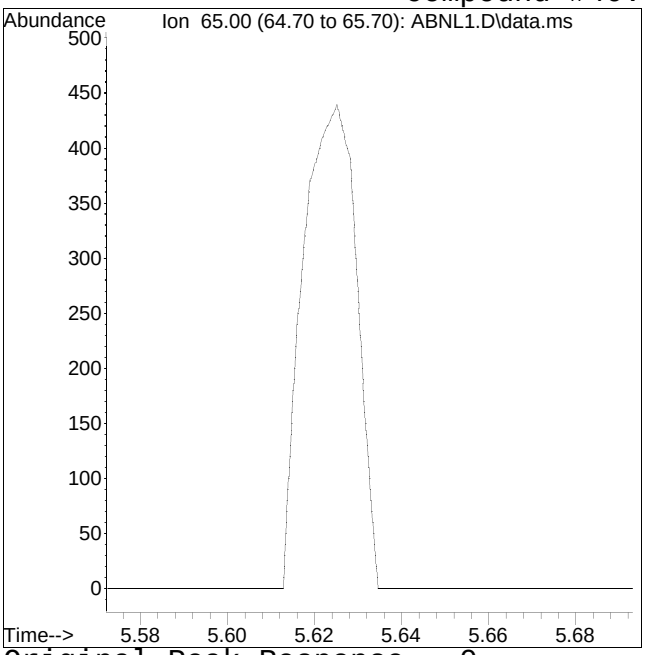
Manual Peak Response = 144 M2

M2 = Peak not found by automatic integration algorithm.

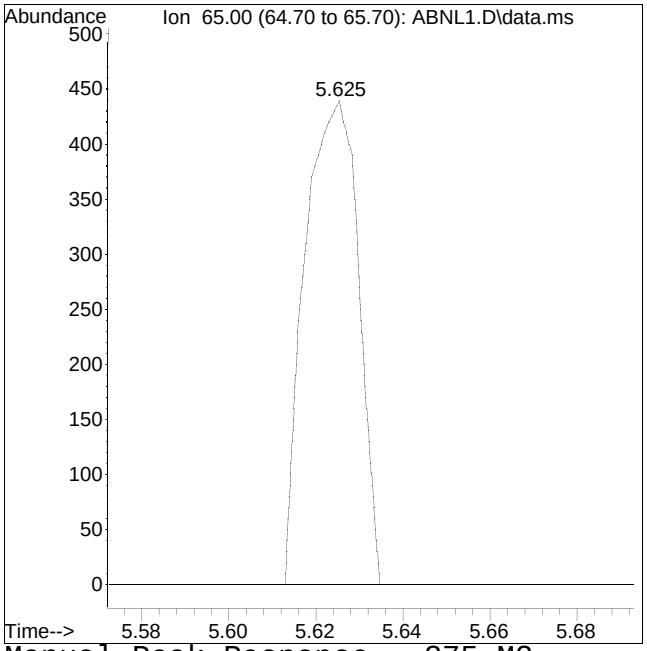
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #40: 4-Chloroaniline



Original Peak Response = 0



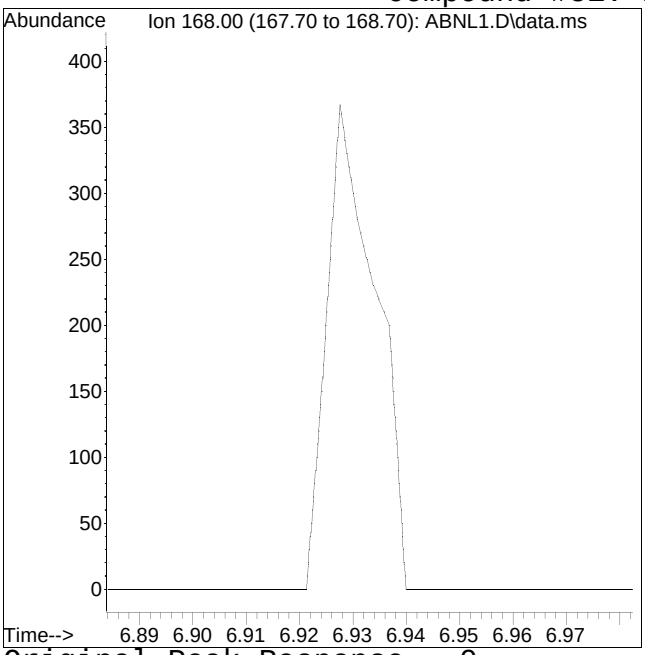
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

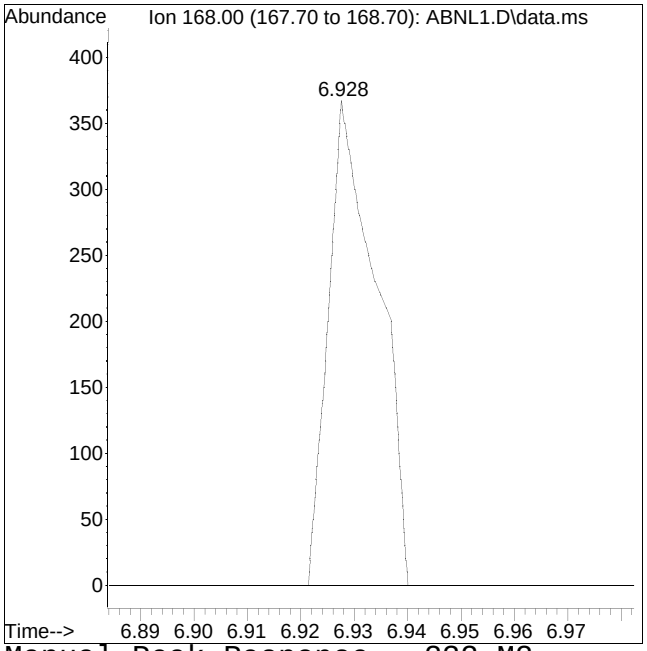
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 0



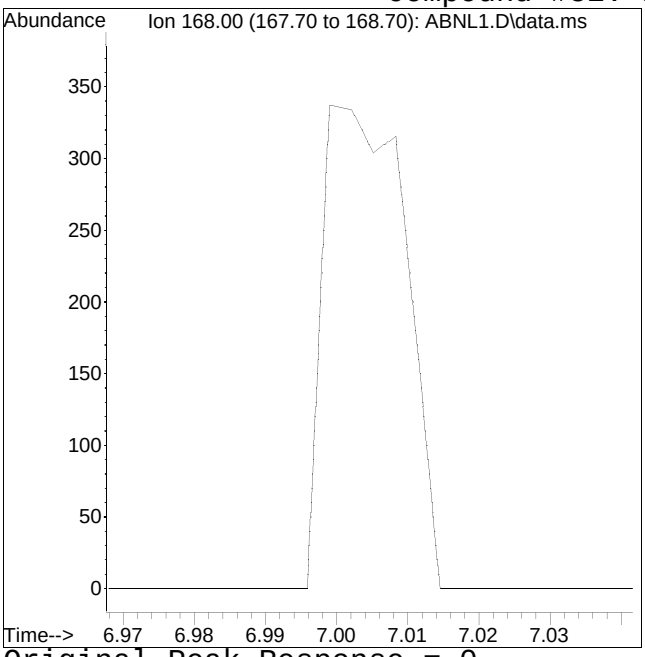
Manual Peak Response = 232 M2

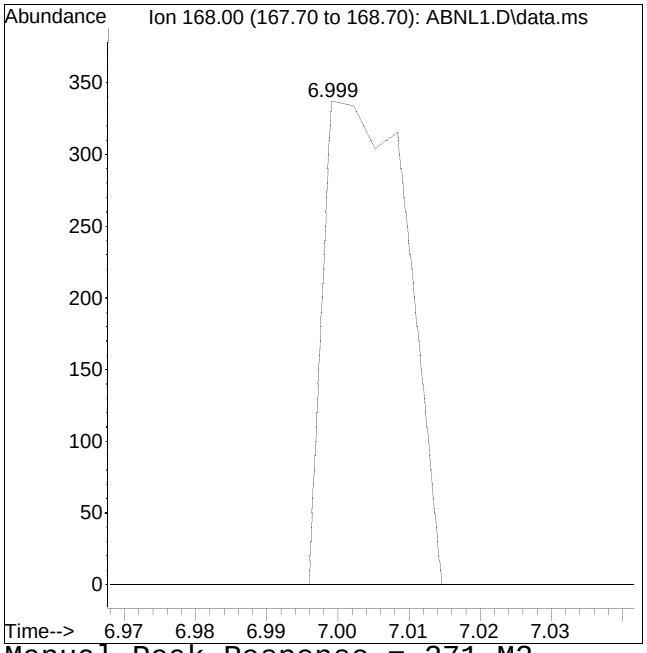
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 8:06 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1115Quant Date : 11/6/2024 8:35 am

Compound #52: 1,3-Dinitrobenzene



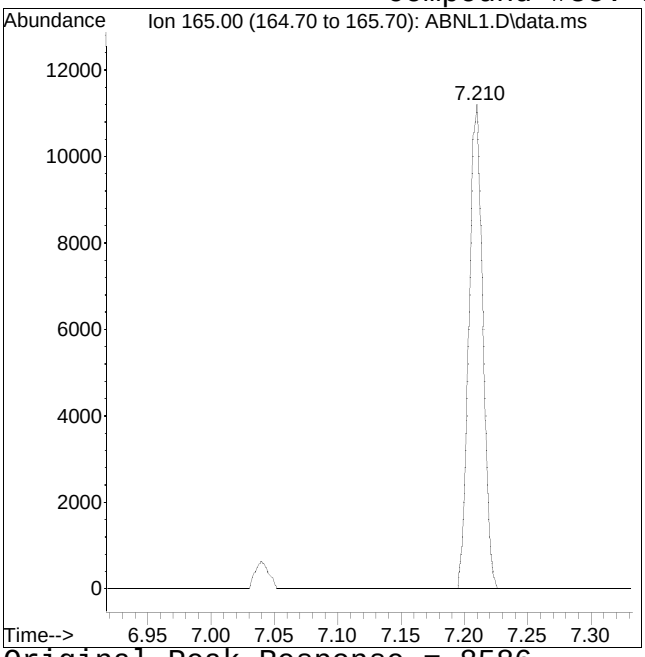


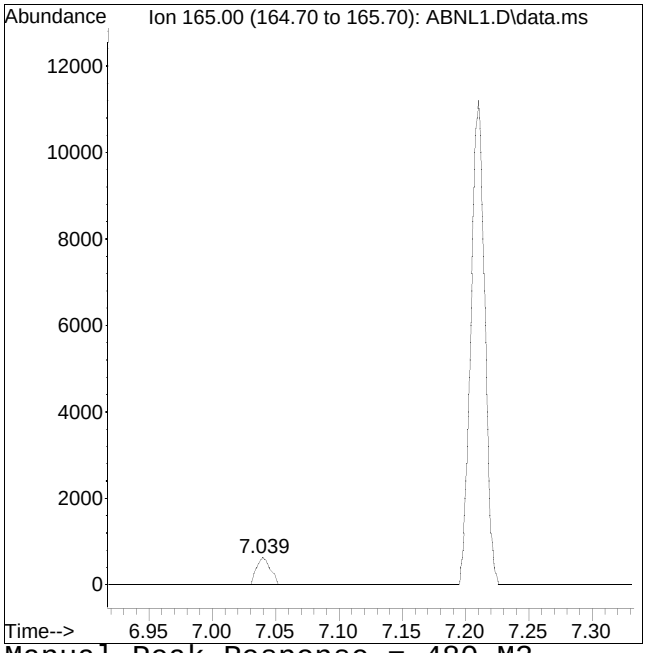
Original Peak Response = 0 Manual Peak Response = 271 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #55: 2,6-Dinitrotoluene





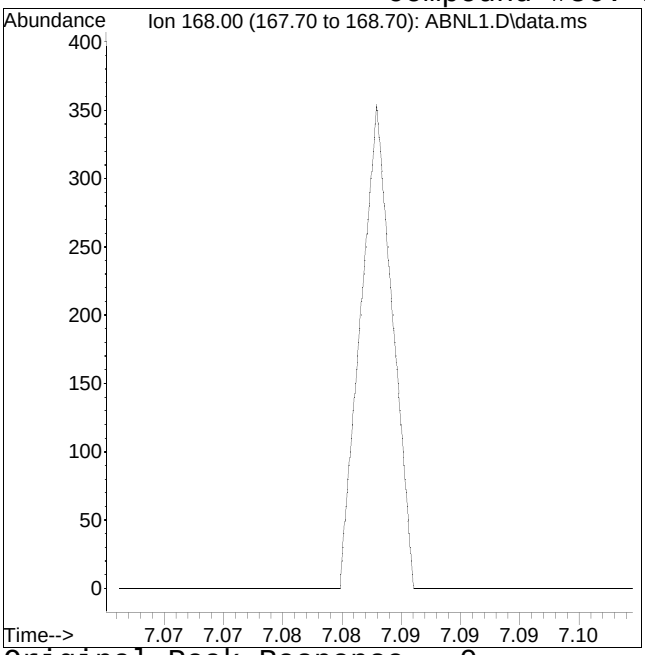
Original Peak Response = 8586 Manual Peak Response = 480 M3

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.

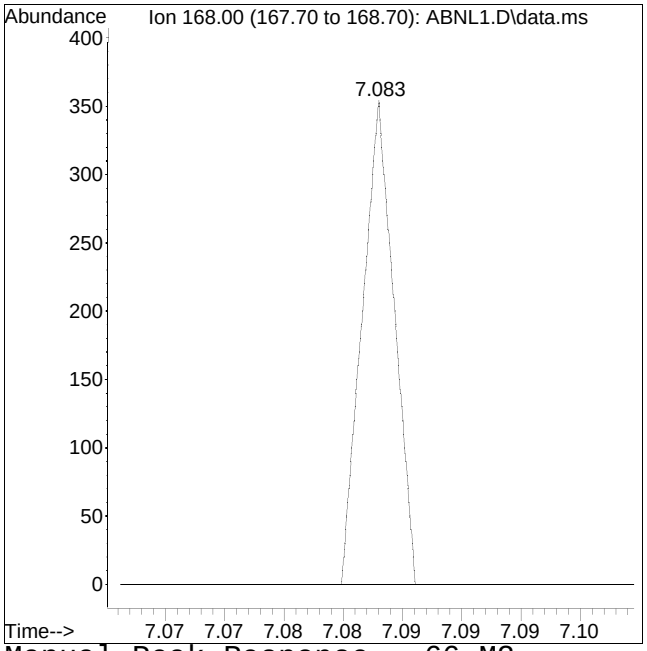
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 0



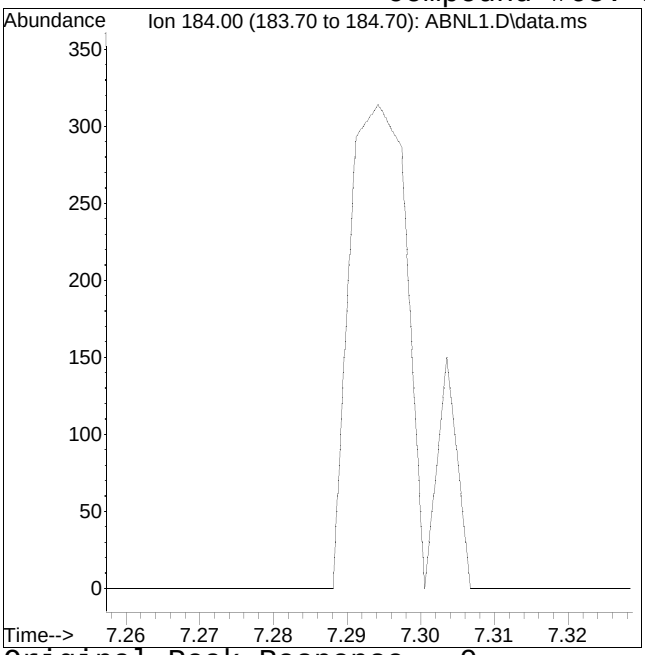
Manual Peak Response = 66 M2

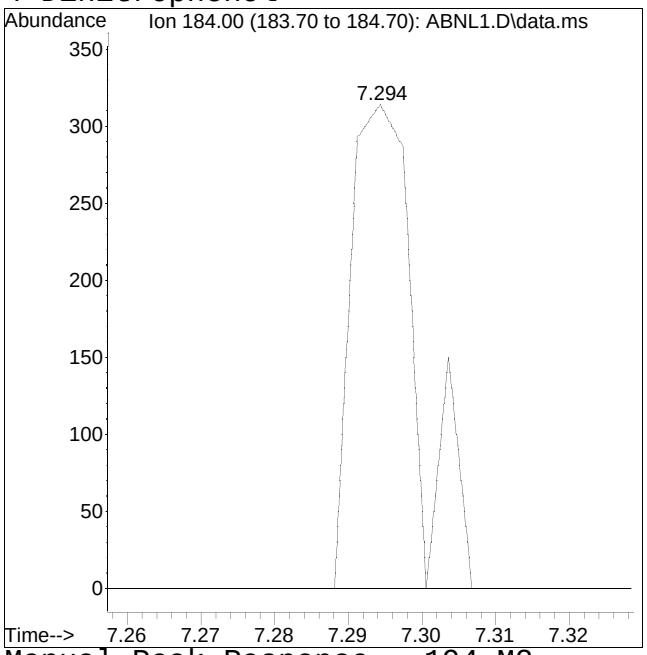
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #68: 2,4-Dinitrophenol



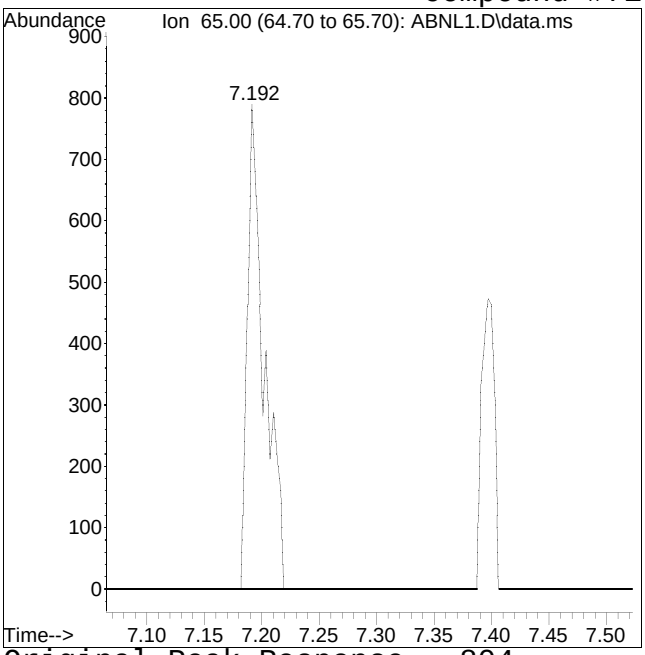


Original Peak Response = 0
Manual Peak Response = 194 M2
M2 = Peak not found by automatic integration algorithm.

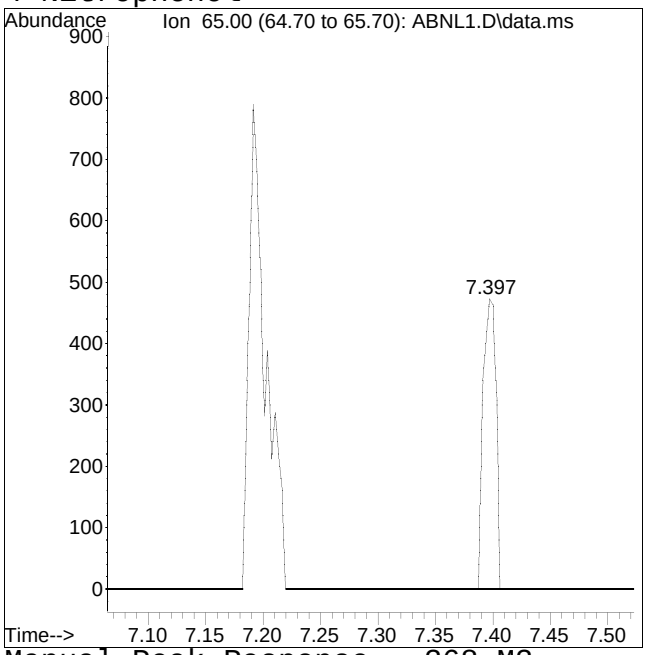
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 8:06 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1115Quant Date : 11/6/2024 8:35 am

Compound #71: 4-Nitrophenol



Original Peak Response = 804



Manual Peak Response = 368 M3

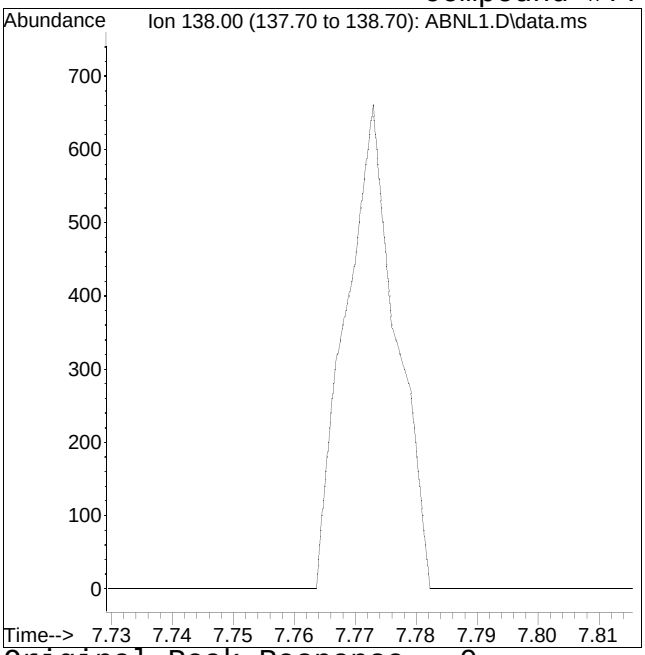
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

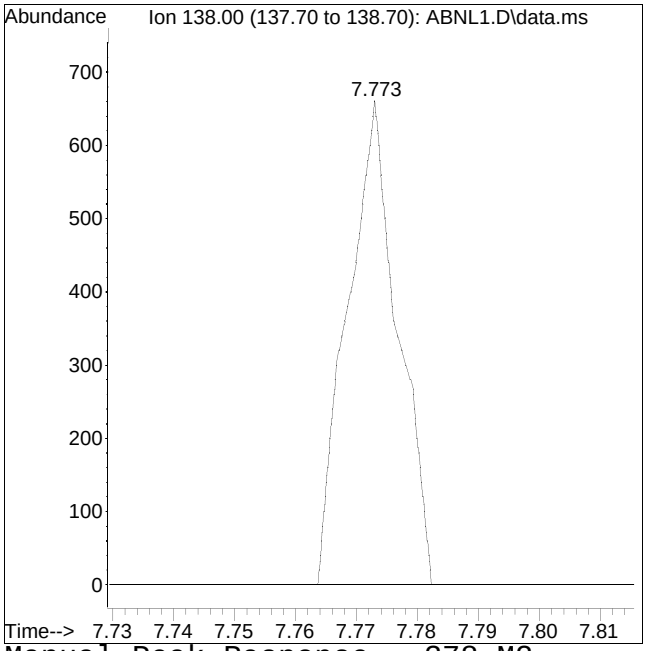
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #77: 4-Nitroaniline



Original Peak Response = 0



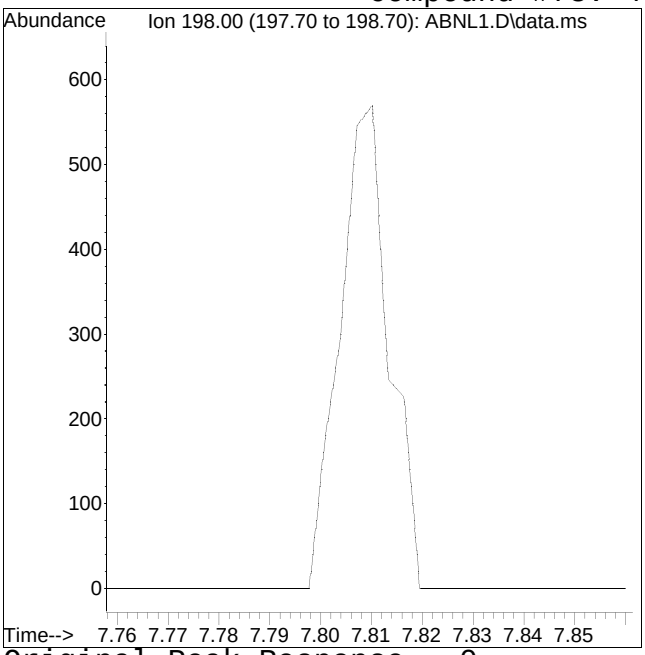
Manual Peak Response = 378 M2

M2 = Peak not found by automatic integration algorithm.

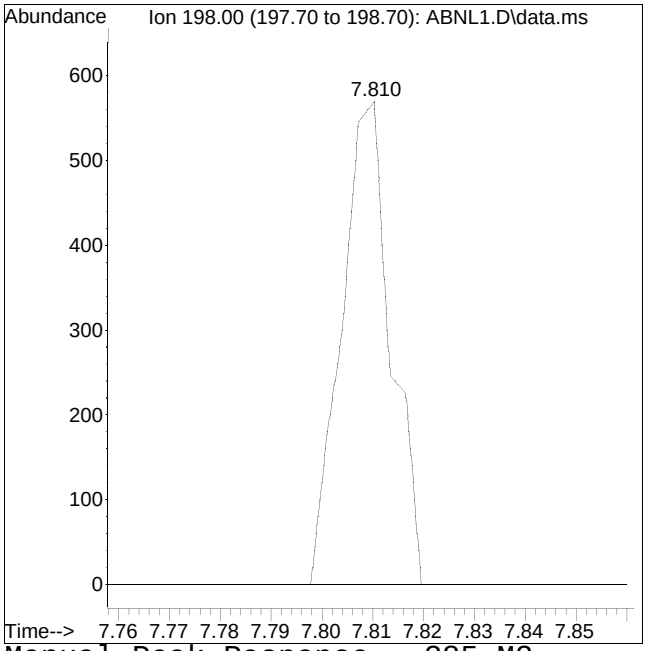
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 8:06 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1115Quant Date : 11/6/2024 8:35 am

Compound #78: 4,6-Dinitro-o-cresol



Original Peak Response = 0



Manual Peak Response = 385 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L9.D
Acq On : 5 Nov 2024 8:29 pm
Operator : Dakota:HNY
Sample : IL2,32,,AP9L50 Lot# 11120
Misc : WG1994500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 09:39:08 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.286	152	30987	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	109.33%			
57)	IS2_Naphthalene-d8	5.520	136	111920	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	113.57%			
85)	IS2_Acenaphthene-d10	7.210	164	71063	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	110.41%			
100)	IS2_Phenanthrene-d10	8.625	188	160716	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	112.79%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.844	105	304408	47.565	ug/ml		97
29)	Acetophenone	4.696	105	601234	50.020	ug/ml	#	80
30)	m-Toluidine	4.780	106	545570	50.658	ug/ml		95
31)	2-Chloroaniline	5.137	127	584754	51.772	ug/ml	#	91
58)	a-Terpineol	5.594	59	350560	49.690	ug/ml	#	80
59)	3-Chloroaniline	5.607	65	174464	46.089	ug/ml		90
60)	2,6-Dichlorophenol	5.632	162	460446	49.506	ug/ml	#	82
61)	1-chloro-2-nitrobenzene	5.880	111	185947	55.337	ug/ml	#	1
62)	Caprolactam	5.945	55	199011	47.711	ug/ml	#	75
63)	1,2,4,5-Tetrachloroben...	6.390	216	599935	44.098	ug/ml		97
64)	Biphenyl	6.682	154	1225314	44.550	ug/ml		96
86)	Dichloran	8.339	206	192620	58.409	ug/ml	#	59
87)	Pentachloronitrobenzene	8.482	237	196056	47.568	ug/ml	#	76
101)	Diphenamid	9.545	167	952562	48.801	ug/ml	#	75

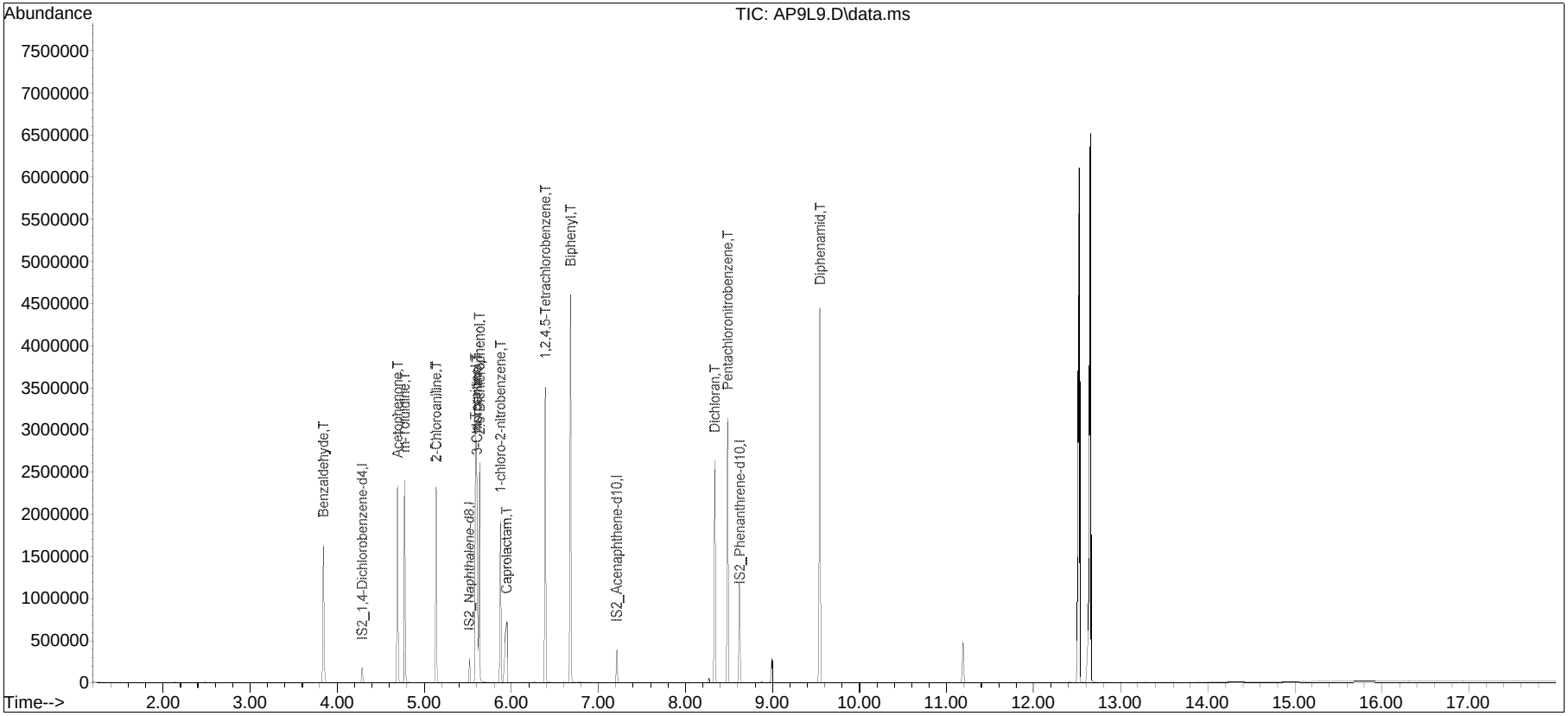
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L9.D
Acq On : 5 Nov 2024 8:29 pm
Operator : Dakota:HNY
Sample : IL2,32,,AP9L50 Lot# 11120
Misc : WG1994500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 09:39:08 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L9.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 8:29 pm	Instrument	: Dakota
Sample	: IL2,32,,AP9L50 Lot# 11120	Quant Date	: 11/6/2024 8:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L8.D
Acq On : 5 Nov 2024 8:53 pm
Operator : Dakota:HNY
Sample : IL3,32,,AP9L25 Lot# 11121
Misc : WG1994500
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 06 09:38:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	29753	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	104.98%		
57) IS2_Naphthalene-d8	5.519	136	106459	4.000	ug/ml #	0.00
Standard Area 1 = 98544			Recovery =	108.03%		
85) IS2_Acenaphthene-d10	7.210	164	68191	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	105.95%		
100) IS2_Phenanthrene-d10	8.624	188	151604	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	106.39%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.844	105	151455	24.647	ug/ml	97
29) Acetophenone	4.693	105	299052	25.912	ug/ml#	79
30) m-Toluidine	4.777	106	270898	26.197	ug/ml	95
31) 2-Chloroaniline	5.134	127	289933	26.734	ug/ml#	91
58) a-Terpineol	5.591	59	173589	25.867	ug/ml#	81
59) 3-Chloroaniline	5.603	65	86165	23.930	ug/ml	94
60) 2,6-Dichlorophenol	5.628	162	225556	25.495	ug/ml#	82
61) 1-chloro-2-nitrobenzene	5.877	111	91193	28.531	ug/ml#	1
62) Caprolactam	5.933	55	97330	24.531	ug/ml#	73
63) 1,2,4,5-Tetrachloroben...	6.387	216	299740	23.163	ug/ml#	96
64) Biphenyl	6.679	154	610900	23.350	ug/ml	97
86) Dichloran	8.335	206	91383	28.878	ug/ml#	58
87) Pentachloronitrobenzene	8.482	237	93939	24.101	ug/ml#	75
101) Diphenamid	9.538	167	468543	25.447	ug/ml#	75

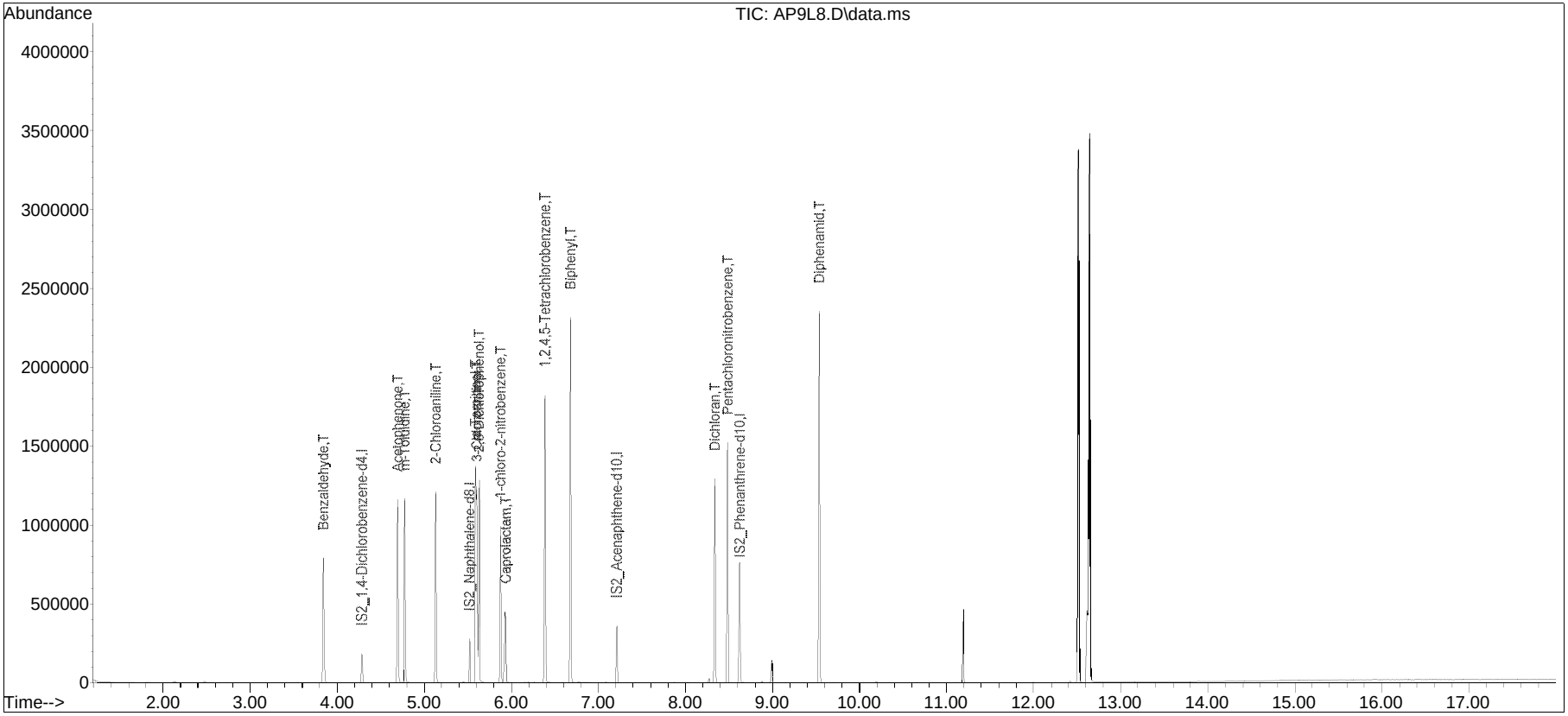
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L8.D
Acq On : 5 Nov 2024 8:53 pm
Operator : Dakota:HNY
Sample : IL3,32,,AP9L25 Lot# 11121
Misc : WG1994500
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 06 09:38:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L8.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 8:53 pm	Instrument	: Dakota
Sample	: IL3,32,,AP9L25 Lot# 11121	Quant Date	: 11/6/2024 8:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L7.D
Acq On : 5 Nov 2024 9:16 pm
Operator : Dakota:HNY
Sample : IL4,32,,AP9L10 Lot# 11122
Misc : WG1994500
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 06 09:37:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.283	152	28253	4.000	ug/ml		0.00
Standard Area 1 = 28342			Recovery = 99.69%				
57) IS2_Naphthalene-d8	5.520	136	102348	4.000	ug/ml	#	0.00
Standard Area 1 = 98544			Recovery = 103.86%				
85) IS2_Acenaphthene-d10	7.210	164	64900	4.000	ug/ml		0.00
Standard Area 1 = 64361			Recovery = 100.84%				
100) IS2_Phenanthrene-d10	8.622	188	142251	4.000	ug/ml		0.00
Standard Area 1 = 142493			Recovery = 99.83%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	3.844	105	54373	9.318	ug/ml		97
29) Acetophenone	4.693	105	107439	9.803	ug/ml	#	80
30) m-Toluidine	4.777	106	98213	10.002	ug/ml		95
31) 2-Chloroaniline	5.134	127	103932	10.092	ug/ml	#	90
58) a-Terpineol	5.588	59	61054	9.463	ug/ml	#	79
59) 3-Chloroaniline	5.600	65	30940	8.938	ug/ml		89
60) 2,6-Dichlorophenol	5.625	162	81177	9.544	ug/ml	#	81
61) 1-chloro-2-nitrobenzene	5.877	111	31835	10.360	ug/ml	#	1
62) Caprolactam	5.921	55	33902	8.888	ug/ml	#	74
63) 1,2,4,5-Tetrachloroben...	6.387	216	106694	8.576	ug/ml	#	97
64) Biphenyl	6.679	154	222491	8.846	ug/ml		97
86) Dichloran	8.332	206	29962	9.948	ug/ml	#	58
87) Pentachloronitrobenzene	8.479	237	30894	8.784	ug/ml	#	75
101) Diphenamid	9.535	167	162112	9.383	ug/ml	#	75

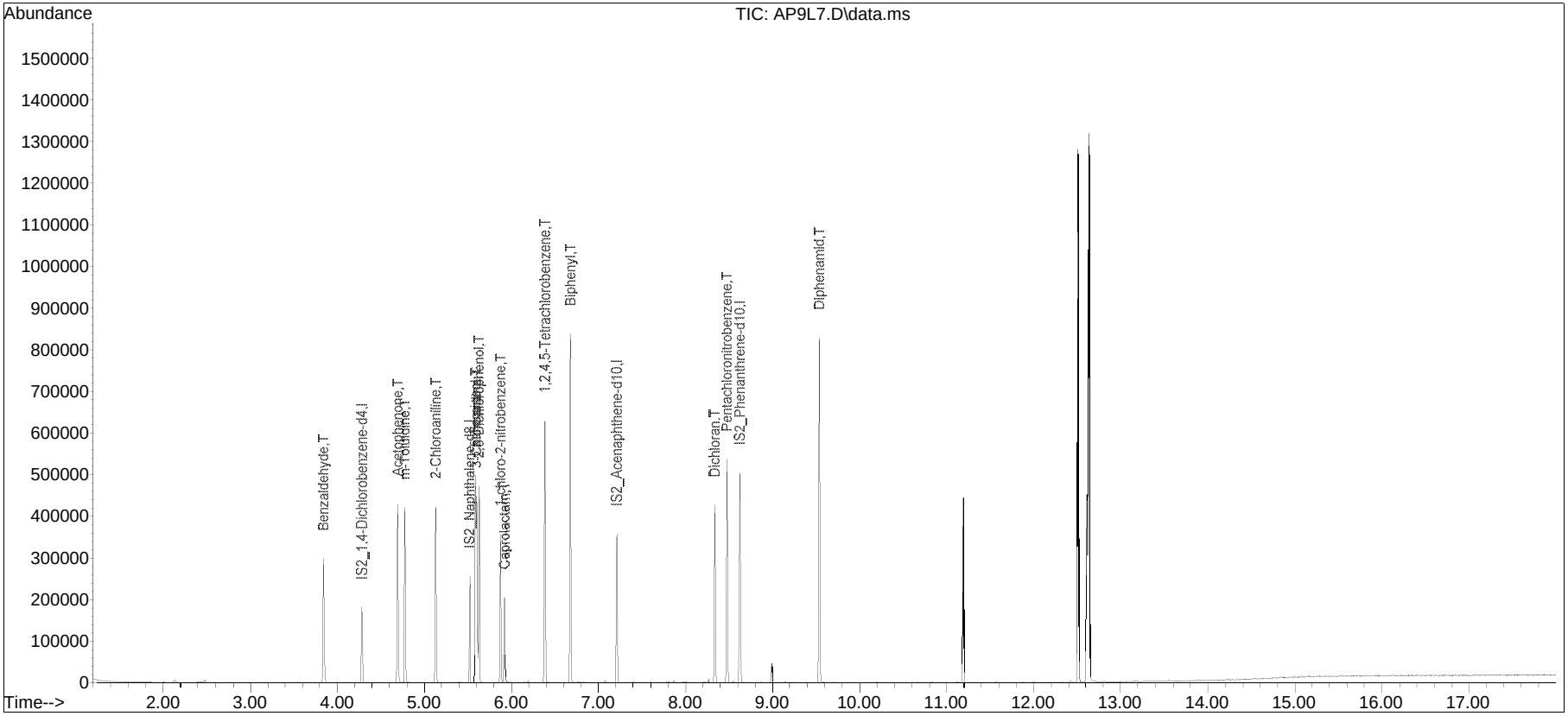
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L7.D
Acq On : 5 Nov 2024 9:16 pm
Operator : Dakota:HNY
Sample : IL4,32,,AP9L10 Lot# 11122
Misc : WG1994500
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 06 09:37:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 9:16 pm	Instrument	: Dakota
Sample	: IL4,32,,AP9L10 Lot# 11122	Quant Date	: 11/6/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L6.D
Acq On : 5 Nov 2024 9:39 pm
Operator : Dakota:HNY
Sample : IL5,32,,AP9L5 Lot# 11123
Misc : WG1994500
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 09:37:30 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28342	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	100.00%		
57) IS2_Naphthalene-d8	5.519	136	98544	4.000	ug/ml	# 0.00
Standard Area 1 = 98544			Recovery =	100.00%		
85) IS2_Acenaphthene-d10	7.210	164	64361	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	100.00%		
100) IS2_Phenanthrene-d10	8.621	188	142493	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.847	105	26993	4.611	ug/ml	97
29) Acetophenone	4.696	105	51821	4.714	ug/ml#	79
30) m-Toluidine	4.776	106	46870	4.758	ug/ml	94
31) 2-Chloroaniline	5.134	127	50567	4.895	ug/ml#	90
58) a-Terpineol	5.588	59	28933	4.658	ug/ml#	77
59) 3-Chloroaniline	5.600	65	15441	4.633	ug/ml	94
60) 2,6-Dichlorophenol	5.625	162	39296	4.798	ug/ml#	82
61) 1-chloro-2-nitrobenzene	5.877	111	15544	5.254	ug/ml#	1
62) Caprolactam	5.914	55	15648	4.261	ug/ml#	75
63) 1,2,4,5-Tetrachloroben...	6.386	216	53831	4.494	ug/ml#	95
64) Biphenyl	6.679	154	110500	4.563	ug/ml	98
86) Dichloran	8.332	206	13287	4.449	ug/ml#	60
87) Pentachloronitrobenzene	8.478	237	14522	4.530	ug/ml#	79
101) Diphenamid	9.535	167	77258	4.464	ug/ml#	75

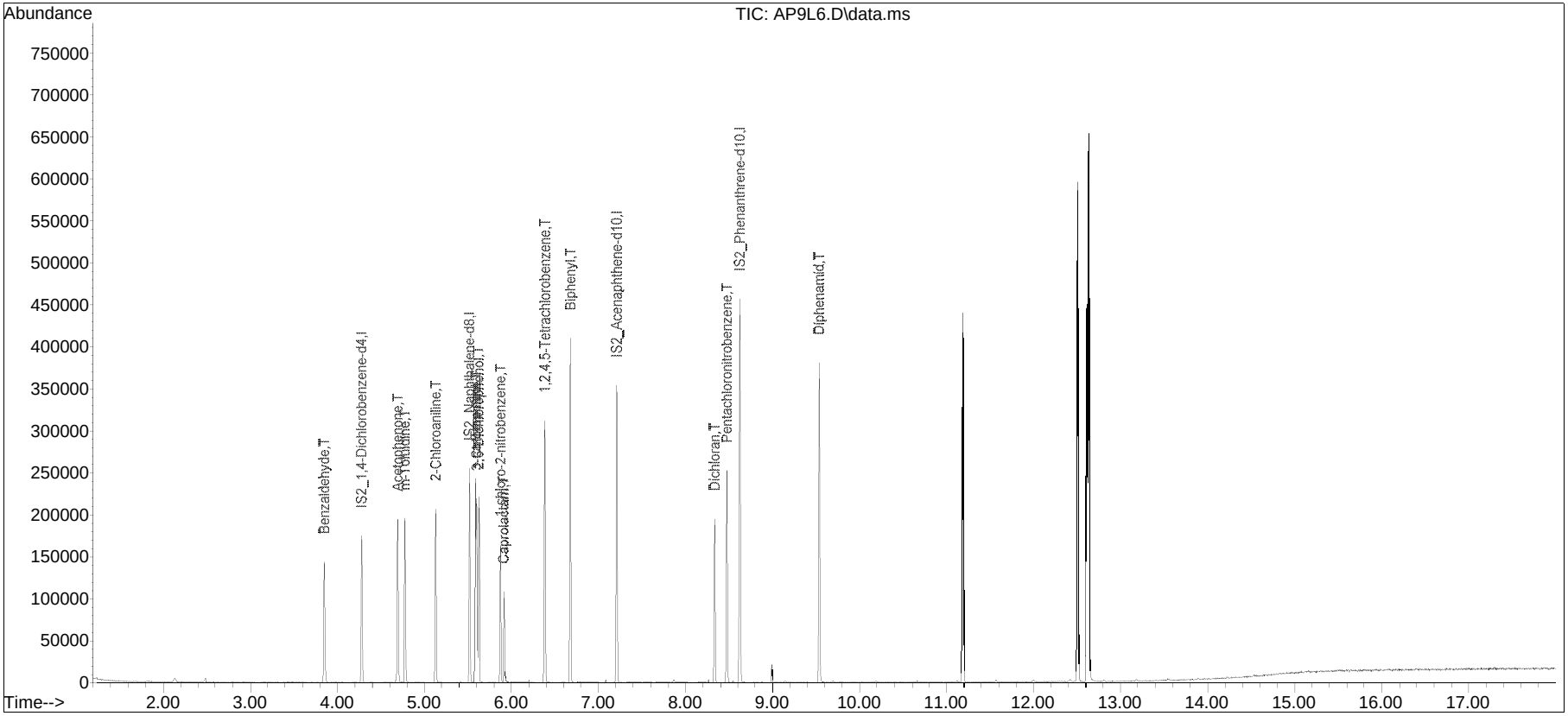
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L6.D
Acq On : 5 Nov 2024 9:39 pm
Operator : Dakota:HNY
Sample : IL5,32,,AP9L5 Lot# 11123
Misc : WG1994500
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 09:37:30 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 9:39 pm	Instrument	: Dakota
Sample	: IL5,32,,AP9L5 Lot# 11123	Quant Date	: 11/6/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L5.D
Acq On : 5 Nov 2024 10:03 pm
Operator : Dakota:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11124
Misc : WG1994500
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 09:36:56 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
27)	IS2_1,4-Dichlorobenzen...	4.283	152	28127	4.000	ug/ml	0.00
	Standard Area 1 = 28342			Recovery = 99.24%			
57)	IS2_Naphthalene-d8	5.520	136	101422	4.000	ug/ml	0.00
	Standard Area 1 = 98544			Recovery = 102.92%			
85)	IS2_Acenaphthene-d10	7.210	164	65158	4.000	ug/ml	0.00
	Standard Area 1 = 64361			Recovery = 101.24%			
100)	IS2_Phenanthrene-d10	8.622	188	143298	4.000	ug/ml	0.00
	Standard Area 1 = 142493			Recovery = 100.56%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
28)	Benzaldehyde	3.848	105	12268	2.112	ug/ml	99
29)	Acetophenone	4.696	105	23923	2.193	ug/ml#	81
30)	m-Toluidine	4.780	106	22093	2.260	ug/ml	93
31)	2-Chloroaniline	5.134	127	23952	2.336	ug/ml#	90
58)	a-Terpineol	5.588	59	13333	2.085	ug/ml#	75
59)	3-Chloroaniline	5.600	65	6723	1.960	ug/ml	84
60)	2,6-Dichlorophenol	5.625	162	18101	2.148	ug/ml#	79
61)	1-chloro-2-nitrobenzene	5.877	111	7212	2.368	ug/ml#	1
62)	Caprolactam	5.914	55	7181	1.900	ug/ml#	72
63)	1,2,4,5-Tetrachloroben...	6.387	216	25415	2.062	ug/ml#	96
64)	Biphenyl	6.679	154	52147	2.092	ug/ml	97
86)	Dichloran	8.332	206	5931	1.961	ug/ml#	62
87)	Pentachloronitrobenzene	8.479	237	6694	2.442	ug/ml#	77
101)	Diphenamid	9.535	167	34942	2.008	ug/ml#	74

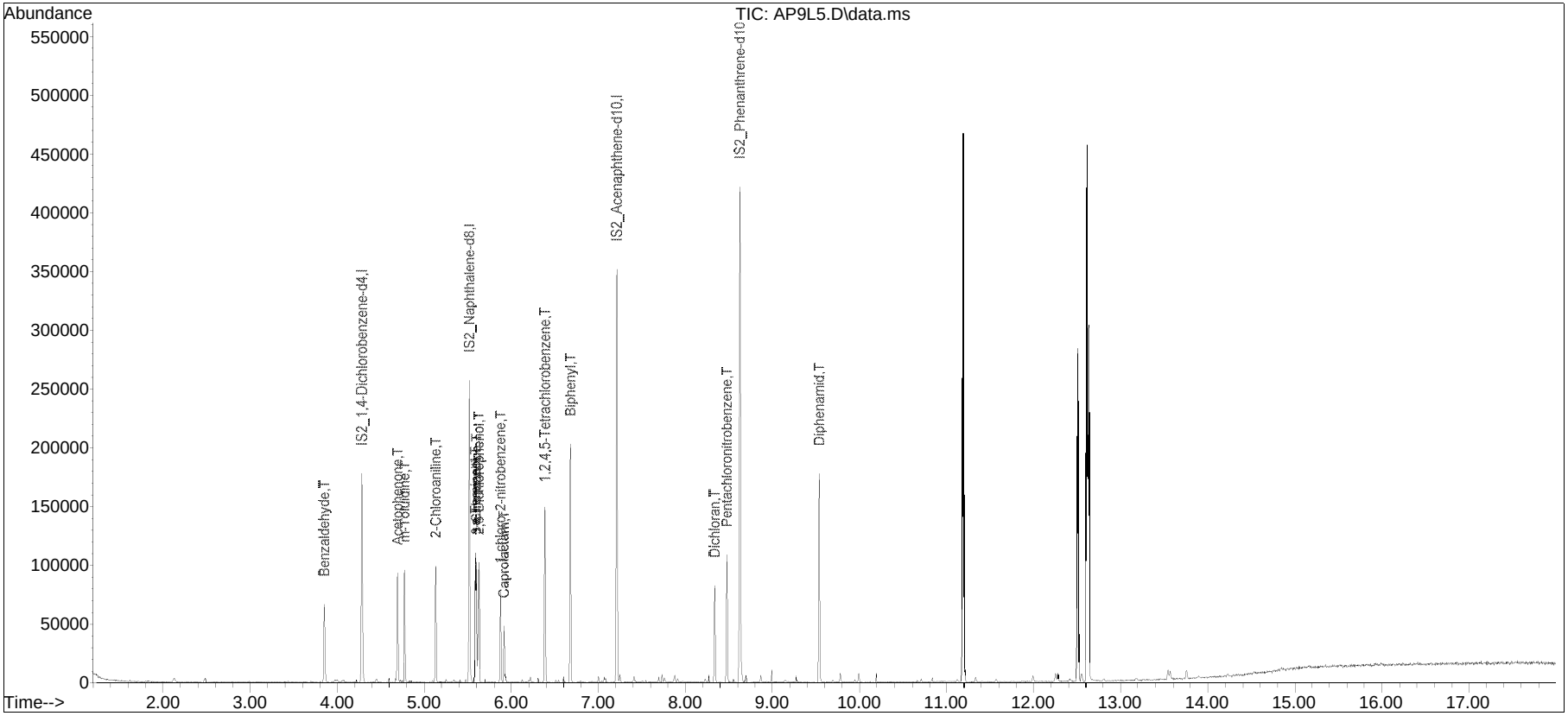
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L5.D
Acq On : 5 Nov 2024 10:03 pm
Operator : Dakota:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11124
Misc : WG1994500
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 09:36:56 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L5.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:03 pm	Instrument	: Dakota
Sample	: IL6,32,,AP9L2.5 Lot# 11124	Quant Date	: 11/6/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L4.D
Acq On : 5 Nov 2024 10:26 pm
Operator : Dakota:HNY
Sample : IL7,32,,AP9L1 Lot# 11125
Misc : WG1994500
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 09:36:17 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28739	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	101.40%		
57) IS2_Naphthalene-d8	5.520	136	102925	4.000	ug/ml	# 0.00
Standard Area 1 = 98544			Recovery =	104.45%		
85) IS2_Acenaphthene-d10	7.210	164	64341	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	99.97%		
100) IS2_Phenanthrene-d10	8.621	188	144463	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	101.38%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.850	105	5052	0.851	ug/ml	94
29) Acetophenone	4.699	105	9554	0.857	ug/ml#	80
30) m-Toluidine	4.780	106	7848	0.786	ug/ml	96
31) 2-Chloroaniline	5.134	127	9085	0.867	ug/ml#	91
58) a-Terpineol	5.588	59	5487	0.846	ug/ml#	84
59) 3-Chloroaniline	5.603	65	2869	0.824	ug/ml	93
60) 2,6-Dichlorophenol	5.625	162	7133	0.834	ug/ml#	81
61) 1-chloro-2-nitrobenzene	5.880	111	2926	0.947	ug/ml#	1
62) Caprolactam	5.914	55	2946	0.768	ug/ml#	87
63) 1,2,4,5-Tetrachloroben...	6.387	216	10121	0.809	ug/ml	98
64) Biphenyl	6.679	154	20682	0.818	ug/ml	95
86) Dichloran	8.332	206	2292	0.768	ug/ml#	57
87) Pentachloronitrobenzene	8.475	237	2782	1.432	ug/ml#	70
101) Diphenamid	9.535	167	13612	0.776	ug/ml#	72

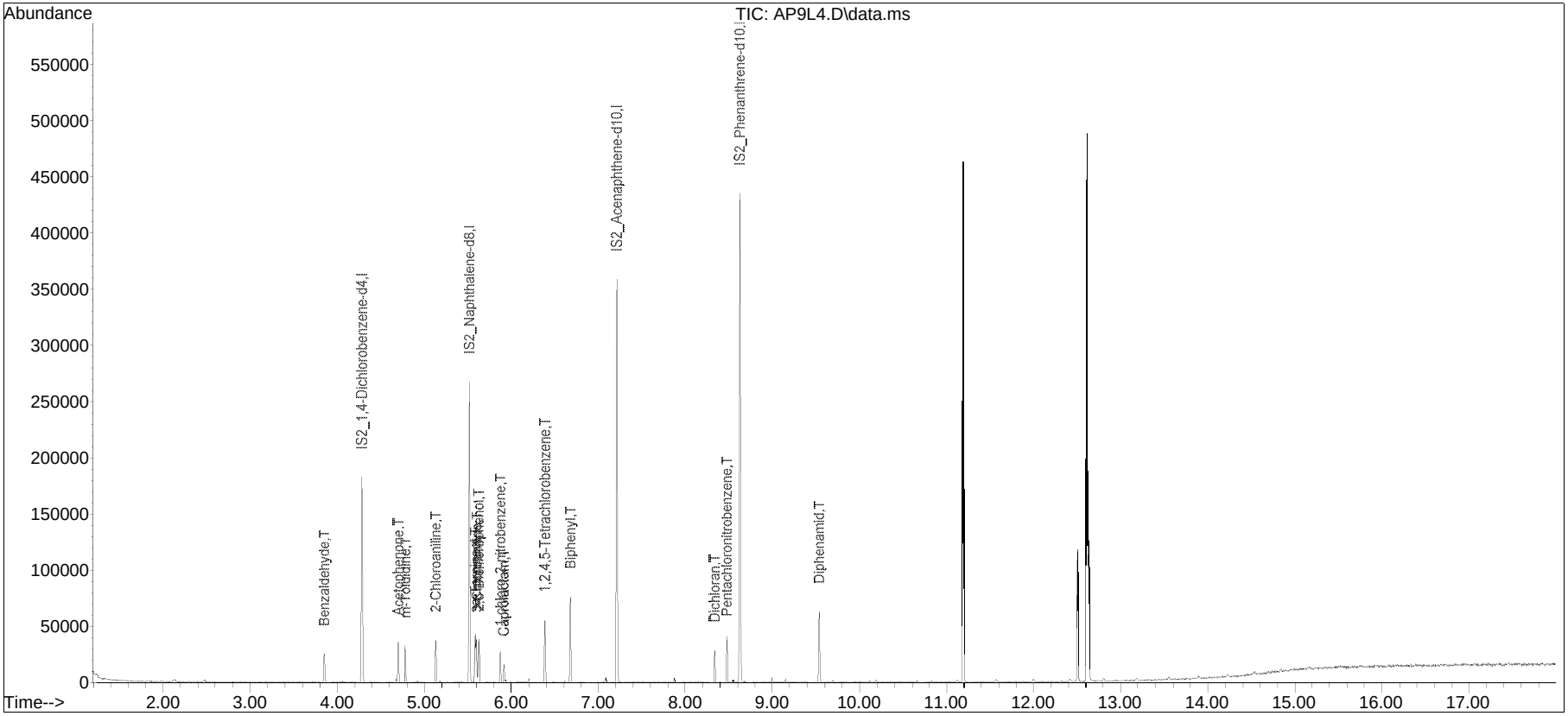
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L4.D
Acq On : 5 Nov 2024 10:26 pm
Operator : Dakota:HNY
Sample : IL7,32,,AP9L1 Lot# 11125
Misc : WG1994500
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 09:36:17 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L4.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:26 pm	Instrument	: Dakota
Sample	: IL7,32,,AP9L1 Lot# 11125	Quant Date	: 11/6/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L3.D
Acq On : 5 Nov 2024 10:49 pm
Operator : Dakota:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11126
Misc : WG1994500
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 09:35:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
27)	IS2_1,4-Dichlorobenzen...	4.282	152	27039	4.000	ug/ml	0.00
	Standard Area 1 = 28342			Recovery = 95.40%			
57)	IS2_Naphthalene-d8	5.519	136	97334	4.000	ug/ml	0.00
	Standard Area 1 = 98544			Recovery = 98.77%			
85)	IS2_Acenaphthene-d10	7.210	164	61265	4.000	ug/ml	0.00
	Standard Area 1 = 64361			Recovery = 95.19%			
100)	IS2_Phenanthrene-d10	8.621	188	138508	4.000	ug/ml	0.00
	Standard Area 1 = 142493			Recovery = 97.20%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
28)	Benzaldehyde	3.850	105	2360	0.423	ug/ml	98
29)	Acetophenone	4.696	105	4756	0.453	ug/ml#	77
30)	m-Toluidine	4.780	106	3649	0.388	ug/ml#	86
31)	2-Chloroaniline	5.134	127	4626	0.469	ug/ml#	88
58)	a-Terpineol	5.588	59	2579	0.420	ug/ml#	74
59)	3-Chloroaniline	5.600	65	1366	0.415	ug/ml	93
60)	2,6-Dichlorophenol	5.625	162	3612	0.447	ug/ml#	77
61)	1-chloro-2-nitrobenzene	5.877	111	1392	0.476	ug/ml#	1
62)	Caprolactam	5.917	55	1361	0.375	ug/ml#	82
63)	1,2,4,5-Tetrachloroben...	6.387	216	5052	0.427	ug/ml#	94
64)	Biphenyl	6.679	154	10707	0.448	ug/ml	96
86)	Dichloran	8.332	206	1010	0.355	ug/ml#	61
87)	Pentachloronitrobenzene	8.478	237	1199	1.030	ug/ml#	76
101)	Diphenamid	9.535	167	6787	0.403	ug/ml#	75

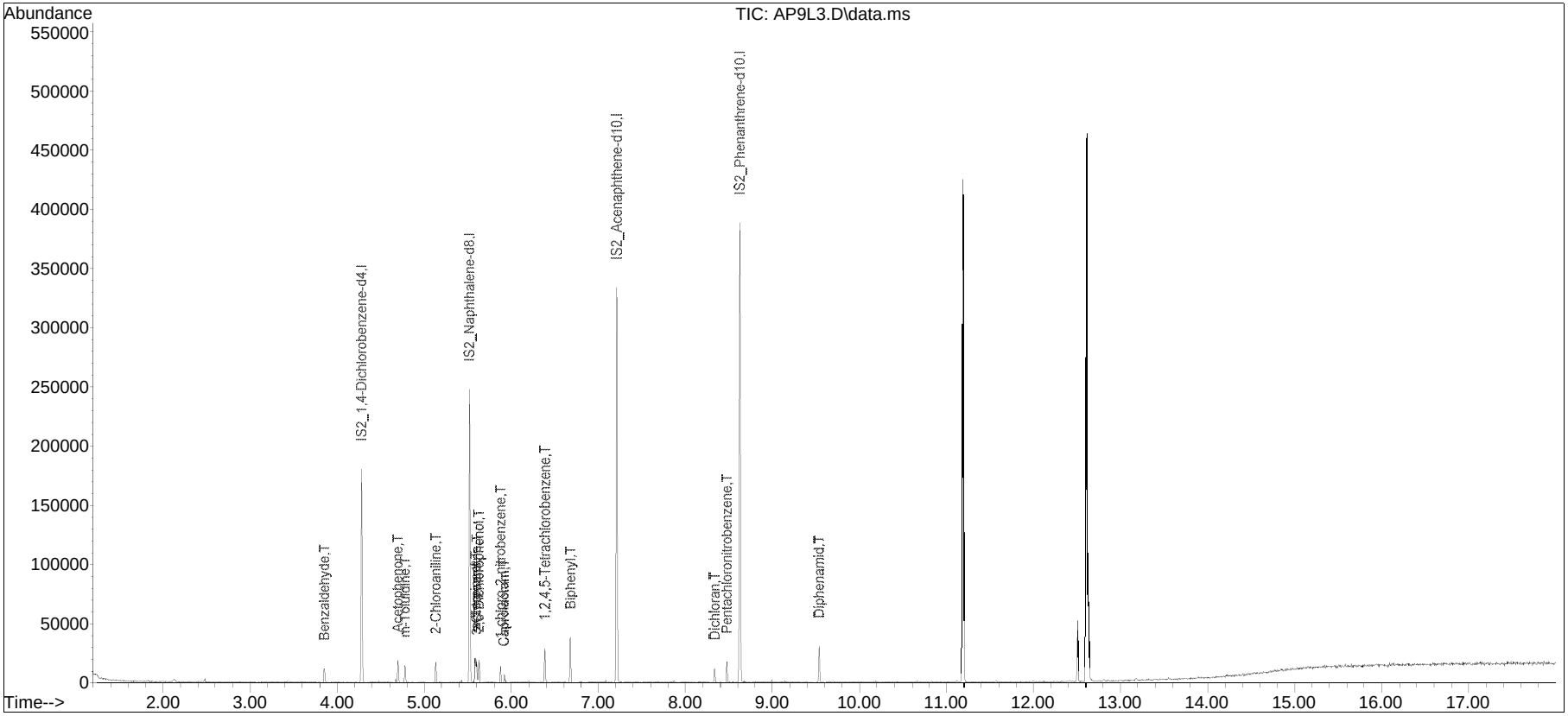
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L3.D
Acq On : 5 Nov 2024 10:49 pm
Operator : Dakota:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11126
Misc : WG1994500
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 09:35:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L3.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:49 pm	Instrument	: Dakota
Sample	: IL8,32,,AP9L0.5 Lot# 11126	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L2.D
Acq On : 5 Nov 2024 11:13 pm
Operator : Dakota:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11127
Misc : WG1994500
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 06 09:35:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.282	152	27477	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery = 96.95%				
57)	IS2_Naphthalene-d8	5.519	136	98352	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery = 99.81%				
85)	IS2_Acenaphthene-d10	7.210	164	62816	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery = 97.60%				
100)	IS2_Phenanthrene-d10	8.621	188	141690	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery = 99.44%				
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.854	105	776	0.137	ug/ml		90
29)	Acetophenone	4.699	105	1761	0.165	ug/ml	#	39
30)	m-Toluidine	4.783	106	852	0.089	ug/ml	#	88
31)	2-Chloroaniline	5.134	127	1745	0.174	ug/ml	#	42
58)	a-Terpineol	5.591	59	1032	0.166	ug/ml	#	83
59)	3-Chloroaniline	5.600	65	425M2	0.128	ug/ml		
60)	2,6-Dichlorophenol	5.628	162	1208	0.148	ug/ml	#	82
61)	1-chloro-2-nitrobenzene	5.877	111	446M2	0.151	ug/ml		
62)	Caprolactam	5.930	55	508M2	0.139	ug/ml		
63)	1,2,4,5-Tetrachloroben...	6.383	216	2062	0.172	ug/ml	#	81
64)	Biphenyl	6.679	154	3880	0.161	ug/ml		93
86)	Dichloran	8.332	206	473M2	0.162	ug/ml		
87)	Pentachloronitrobenzene	8.478	237	438M2	0.816	ug/ml		
101)	Diphenamid	9.535	167	2689	0.156	ug/ml	#	71

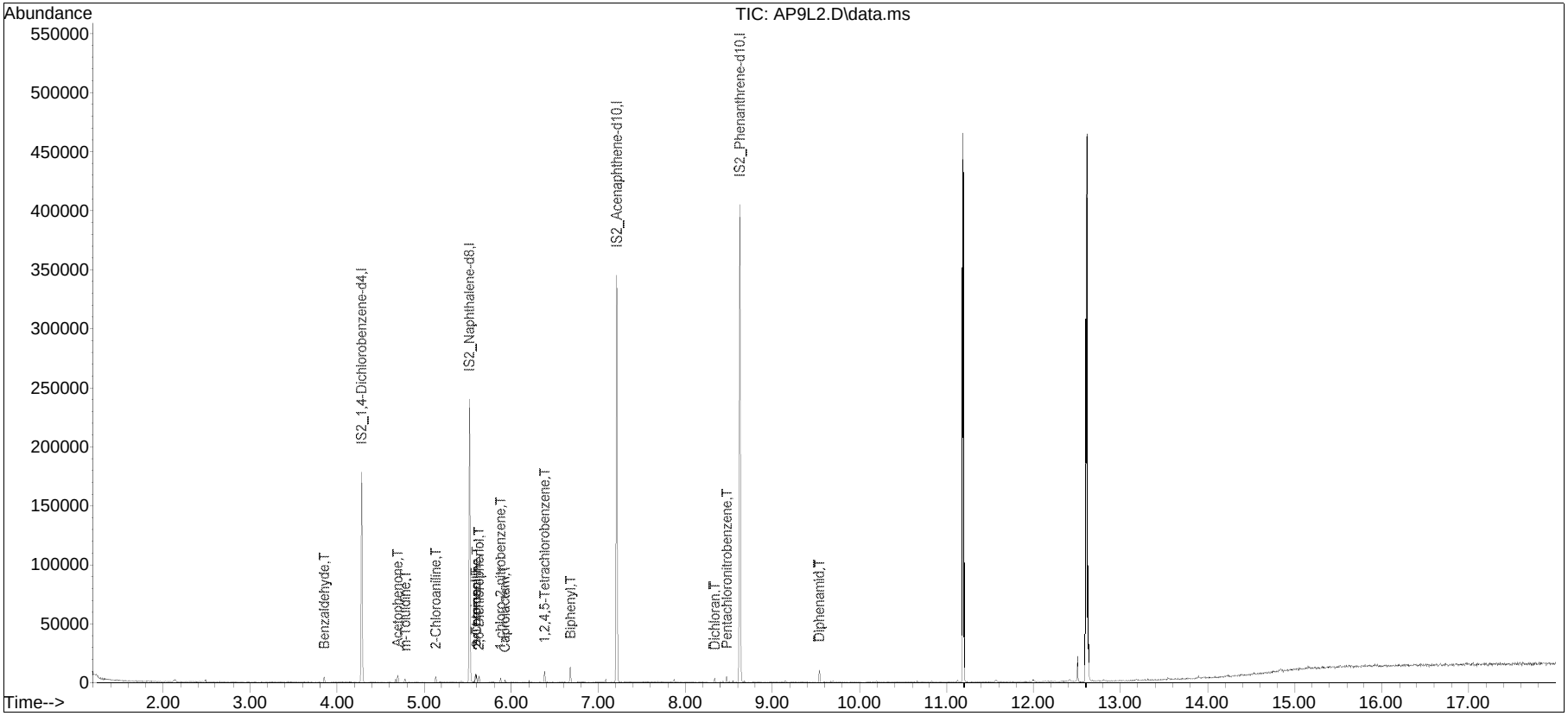
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L2.D
Acq On : 5 Nov 2024 11:13 pm
Operator : Dakota:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11127
Misc : WG1994500
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 06 09:35:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

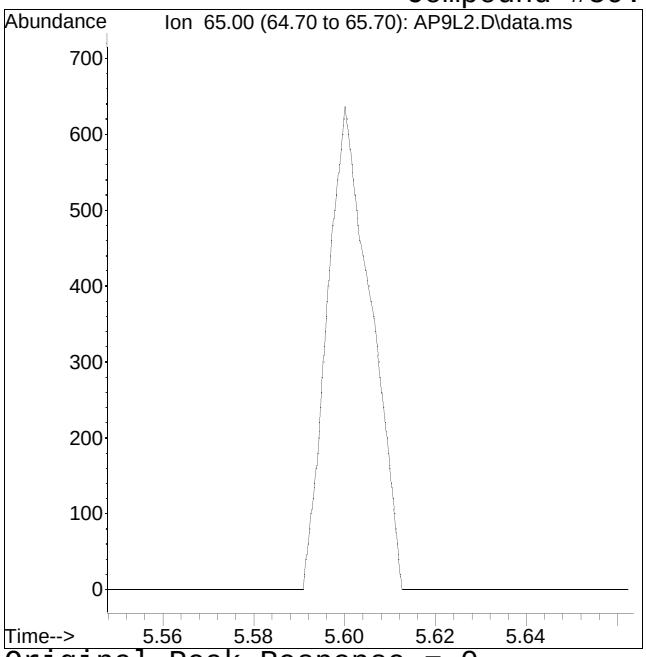
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•

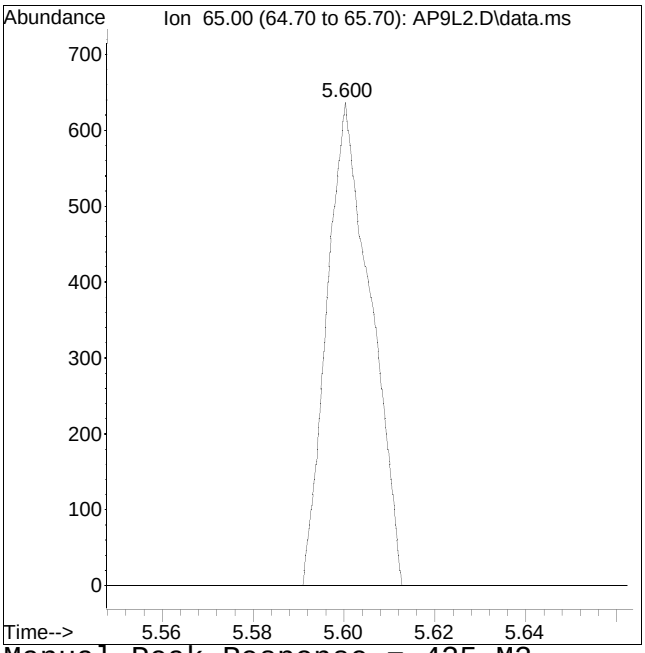


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #59: 3-Chloroaniline



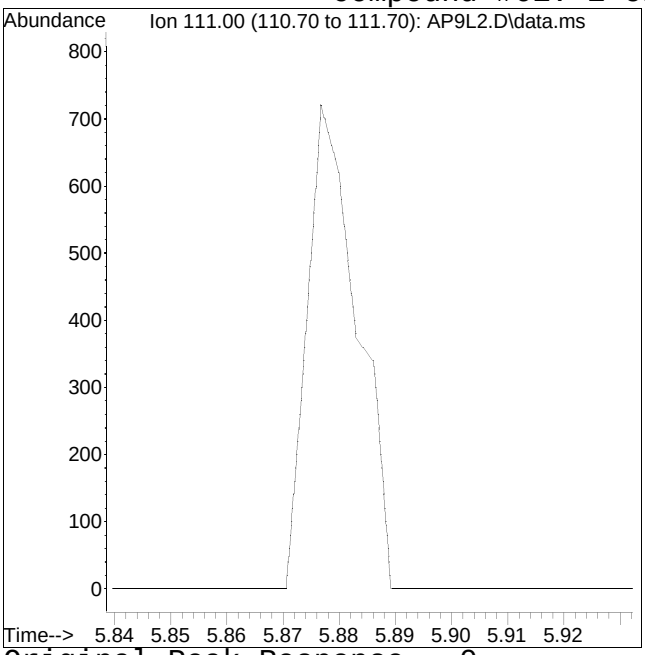


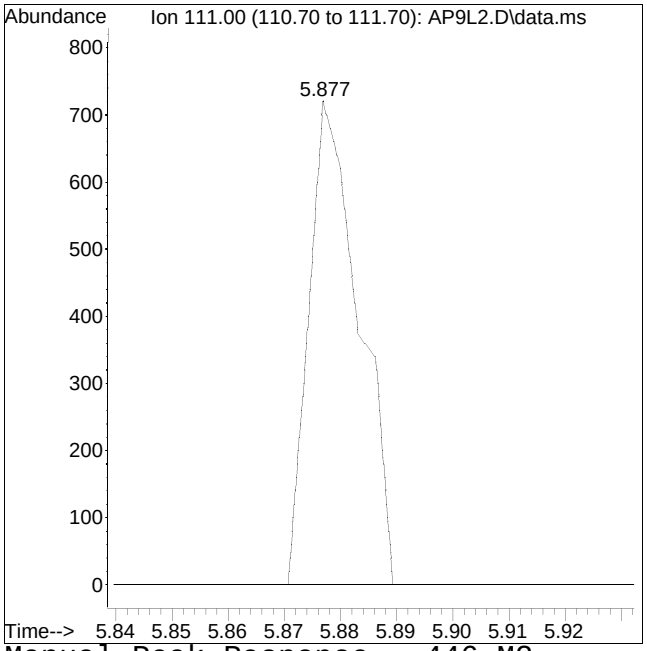
Original Peak Response = 0
Manual Peak Response = 425 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #61: 1-chloro-2-nitrobenzene



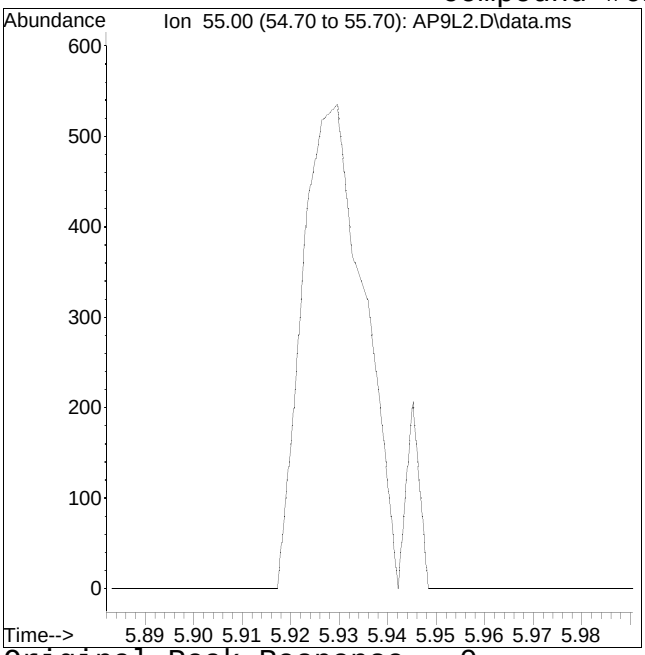


Original Peak Response = 0
Manual Peak Response = 446 M2
M2 = Peak not found by automatic integration algorithm.

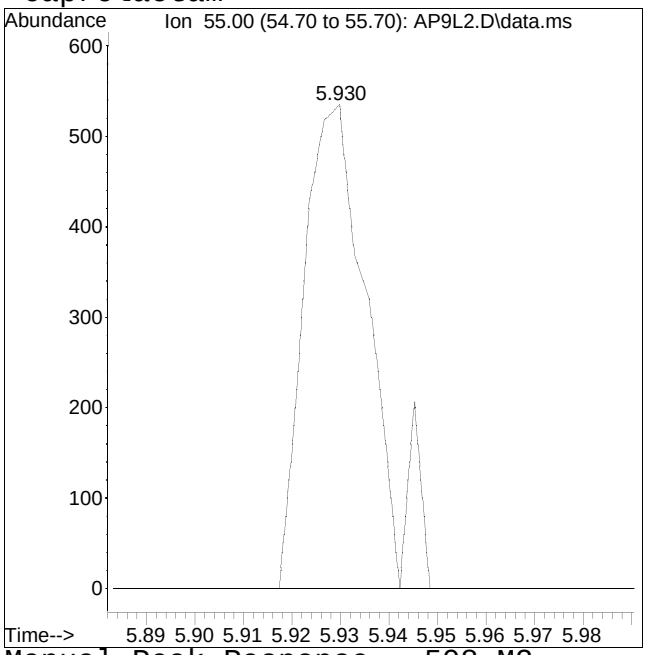
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : AP9L2.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 11:13 pm Instrument : Dakota
Sample : IL9,32,,AP9L0.2 Lot# 11127Quant Date : 11/6/2024 8:37 am

Compound #62: Caprolactam



Original Peak Response = 0



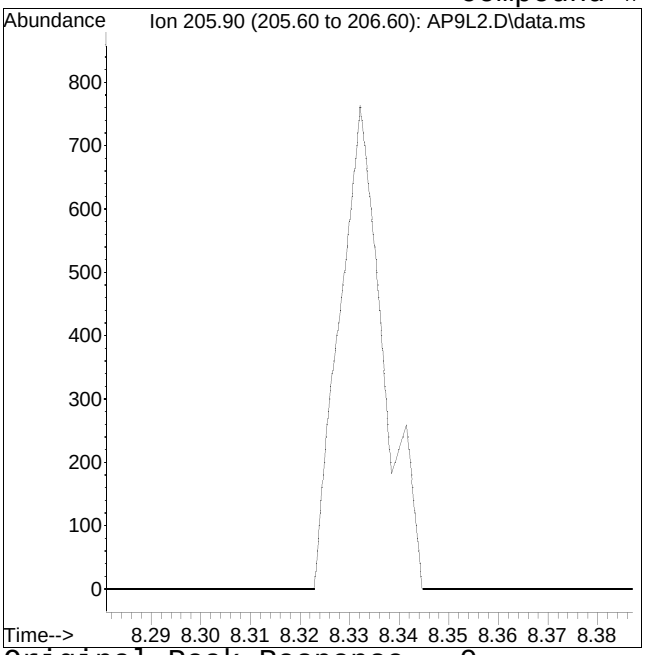
Manual Peak Response = 508 M2

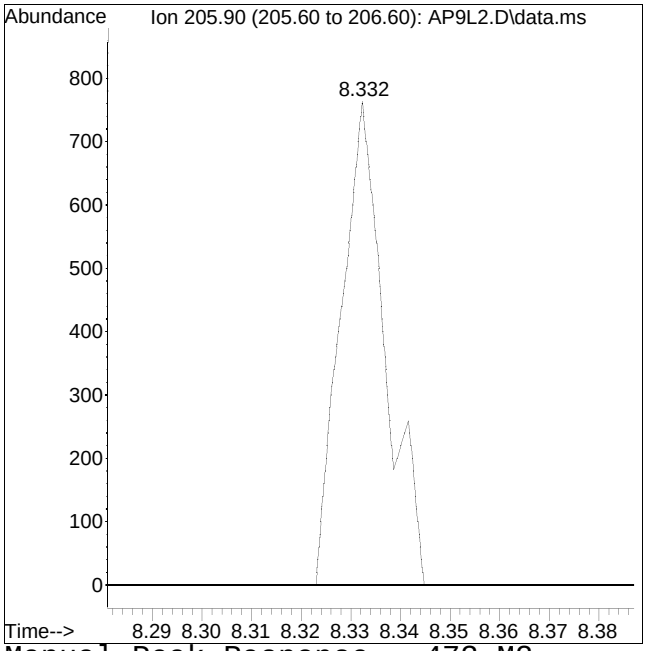
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #86: Dichloran



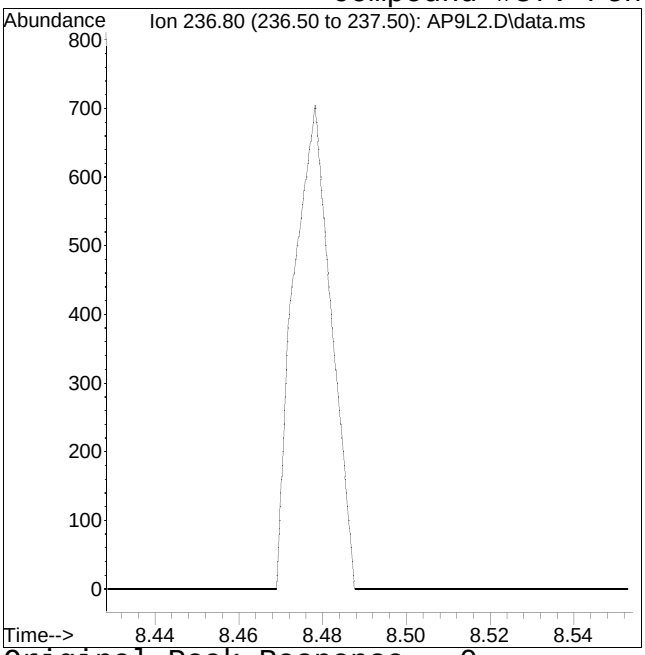


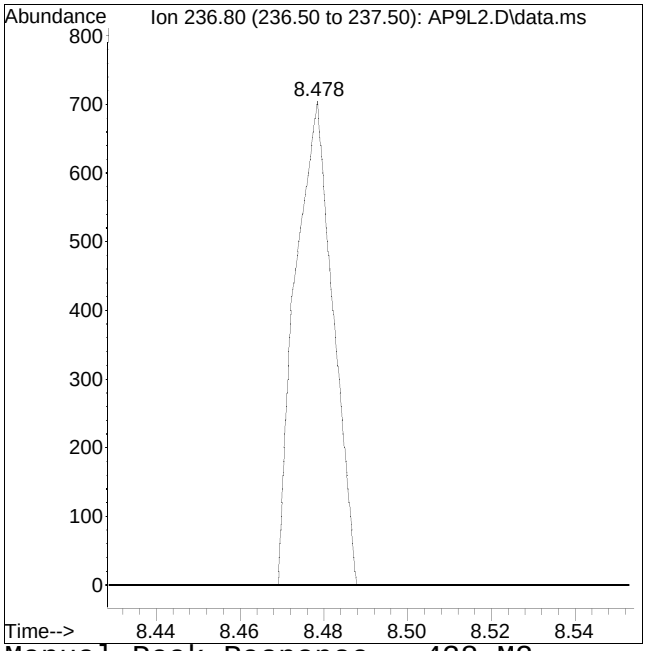
Original Peak Response = 0
Manual Peak Response = 473 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : AP9L2.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 11:13 pm Instrument : Dakota
Sample : IL9,32,,AP9L0.2 Lot# 11127Quant Date : 11/6/2024 8:37 am

Compound #87: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 438 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L1.D
Acq On : 5 Nov 2024 11:36 pm
Operator : Dakota:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11128
Misc : WG1994500
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 06 09:34:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.286	152	28042	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	98.94%			
57)	IS2_Naphthalene-d8	5.519	136	99051	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	100.51%			
85)	IS2_Acenaphthene-d10	7.210	164	62731	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	97.47%			
100)	IS2_Phenanthrene-d10	8.621	188	139376	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	97.81%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.850	105	375M2	0.065	ug/ml		
29)	Acetophenone	4.702	105	776M6	0.071	ug/ml		
30)	m-Toluidine	0.000		0	N.D.			
31)	2-Chloroaniline	5.134	127	756	0.074	ug/ml	#	42
58)	a-Terpineol	5.588	59	402M2	0.064	ug/ml		
59)	3-Chloroaniline	5.603	65	70M2	0.021	ug/ml		
60)	2,6-Dichlorophenol	5.628	162	620	0.075	ug/ml	#	15
61)	1-chloro-2-nitrobenzene	5.880	111	168M2	0.056	ug/ml		
62)	Caprolactam	5.936	55	285M2	0.077	ug/ml		
63)	1,2,4,5-Tetrachloroben...	6.387	216	878	0.073	ug/ml	#	87
64)	Biphenyl	6.679	154	1780	0.073	ug/ml	#	92
86)	Dichloran	8.332	206	178M2	0.061	ug/ml		
87)	Pentachloronitrobenzene	8.478	237	72M2	0.717	ug/ml		
101)	Diphenamid	9.538	167	1208	0.071	ug/ml	#	76

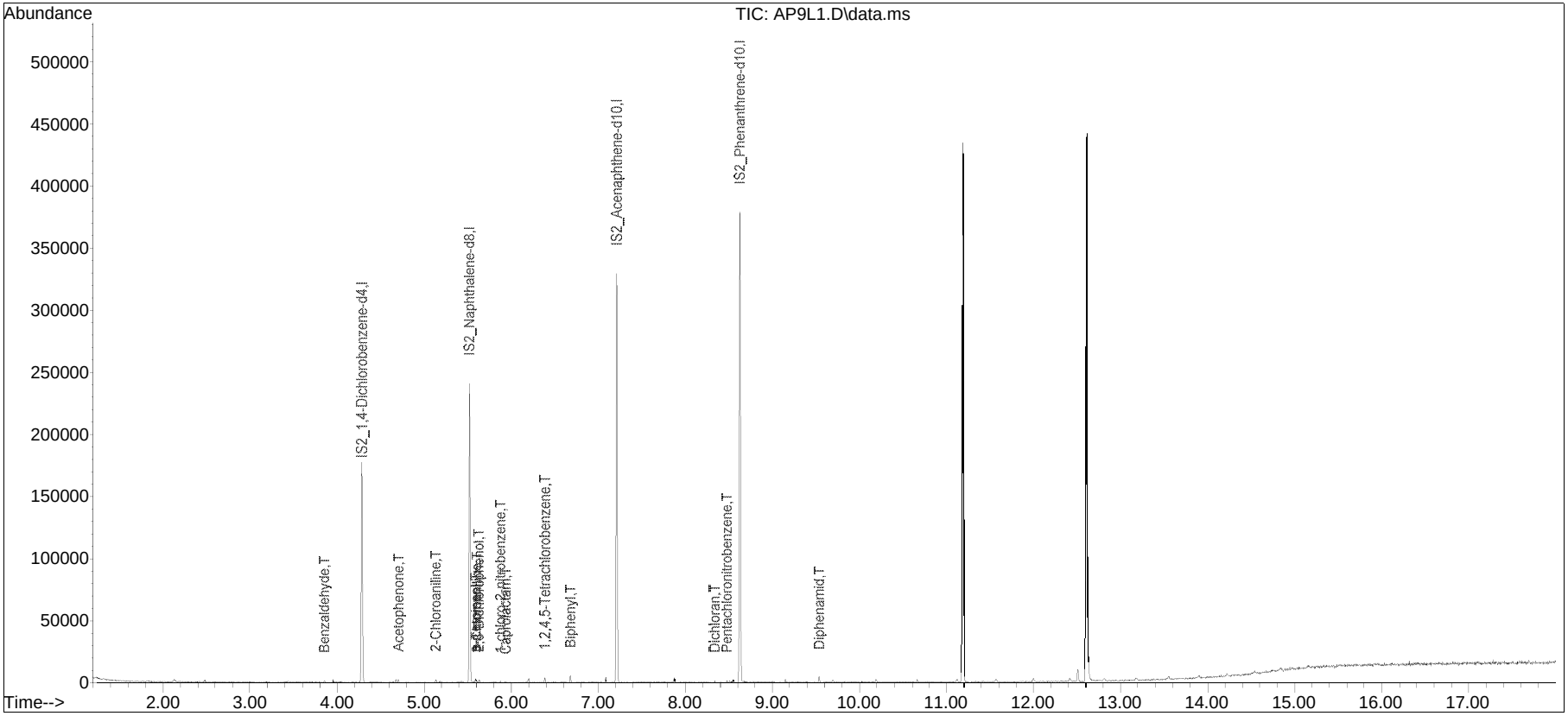
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L1.D
Acq On : 5 Nov 2024 11:36 pm
Operator : Dakota:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11128
Misc : WG1994500
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 06 09:34:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

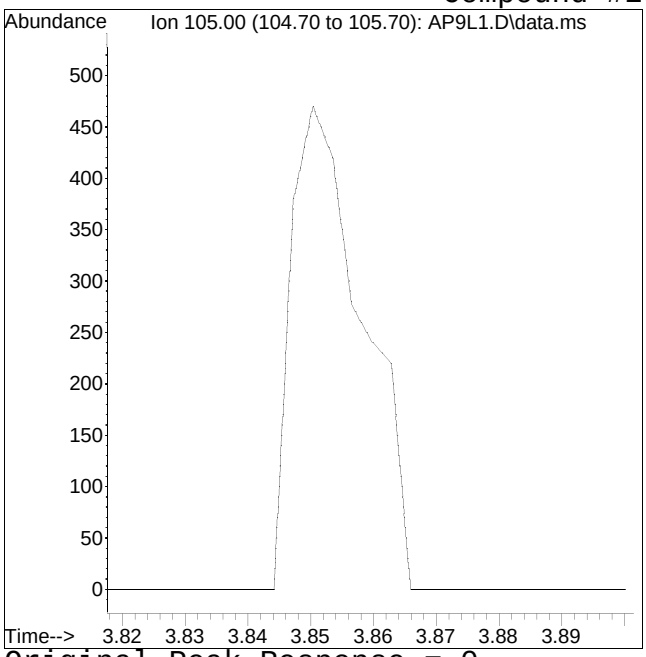
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



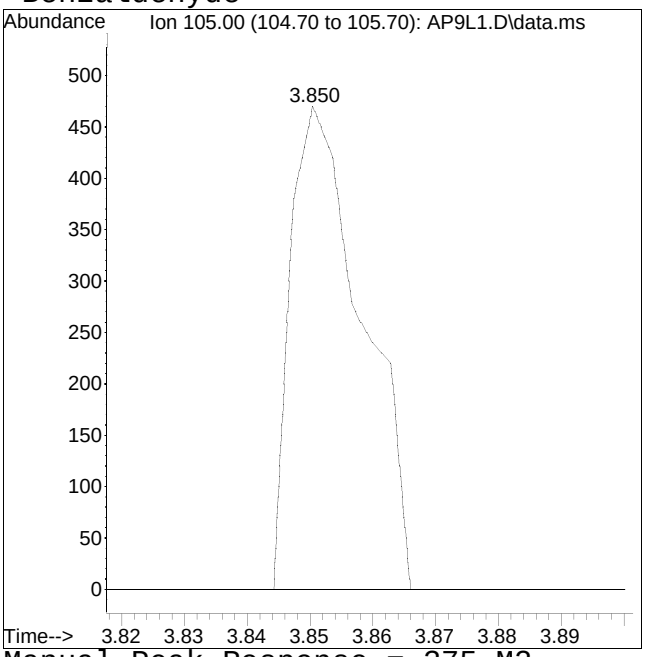
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #28: Benzaldehyde



Original Peak Response = 0



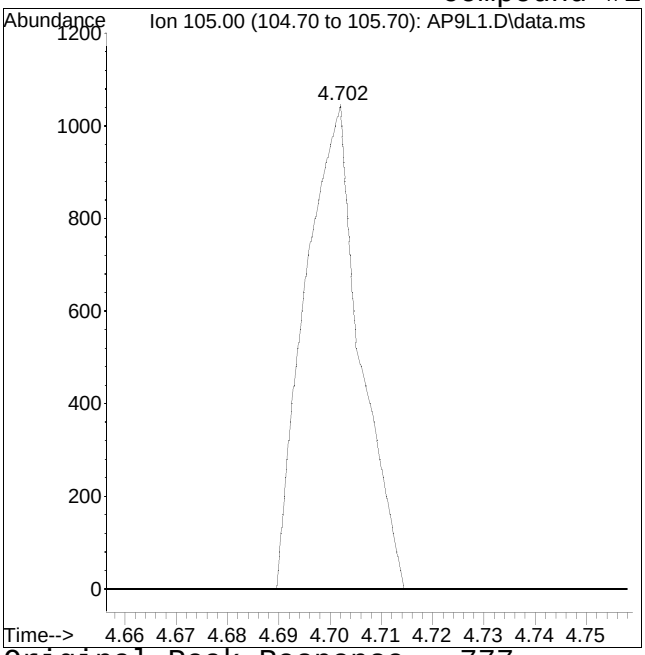
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

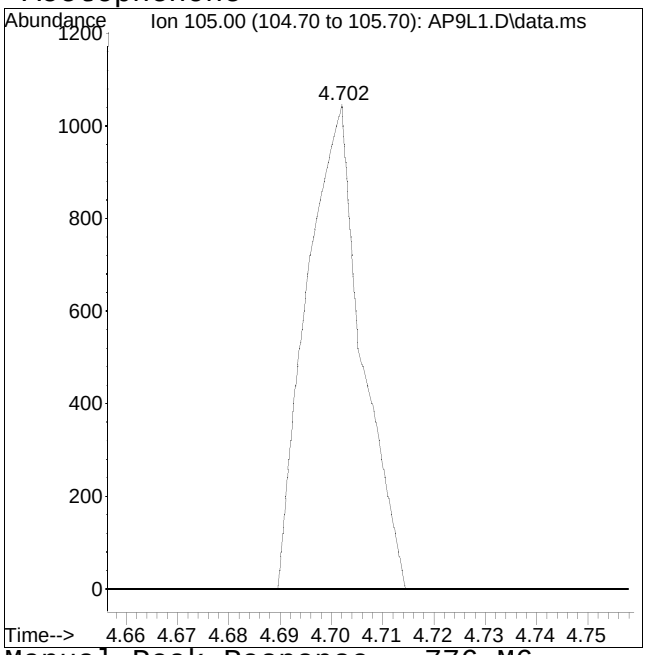
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #29: Acetophenone



Original Peak Response = 777



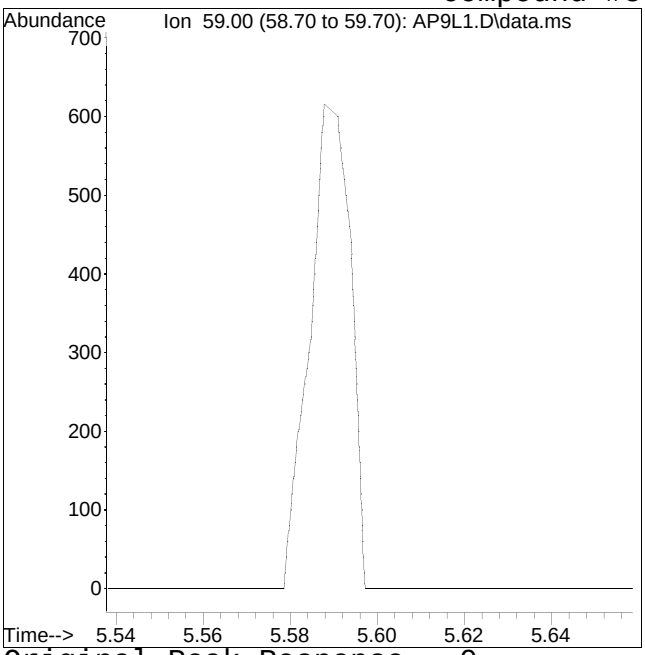
Manual Peak Response = 776 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

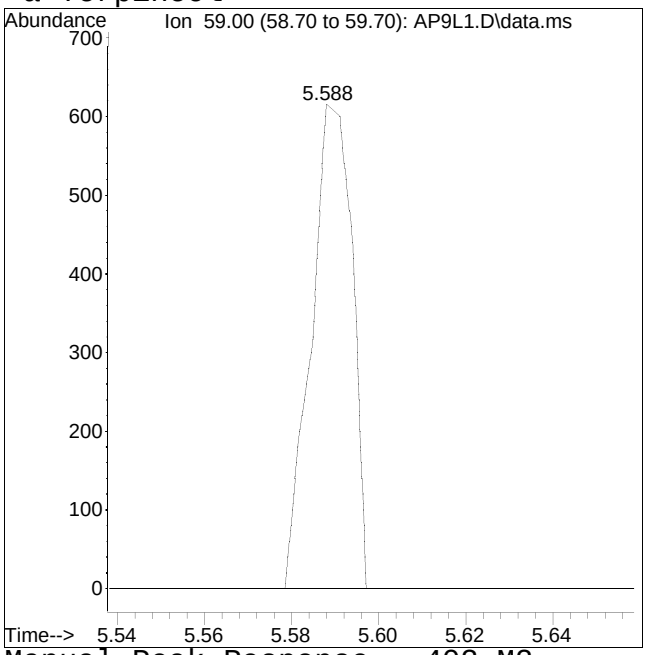
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #58: a-Terpineol



Original Peak Response = 0



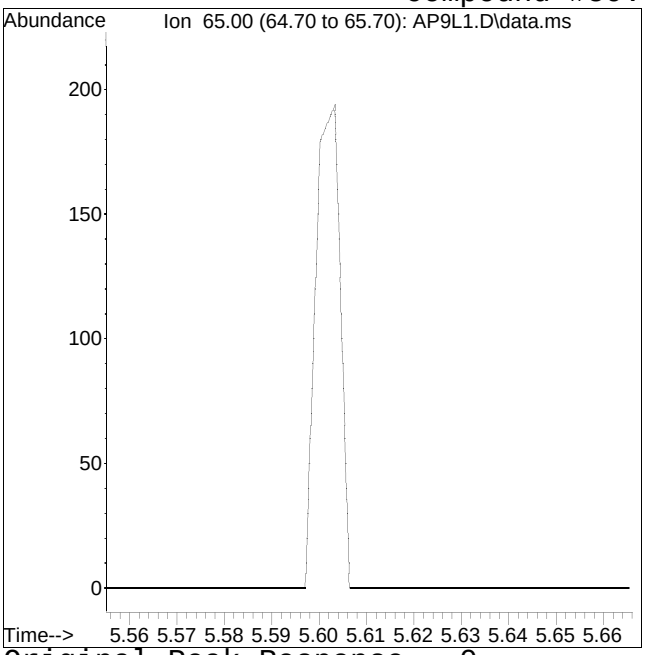
Manual Peak Response = 402 M2

M2 = Peak not found by automatic integration algorithm.

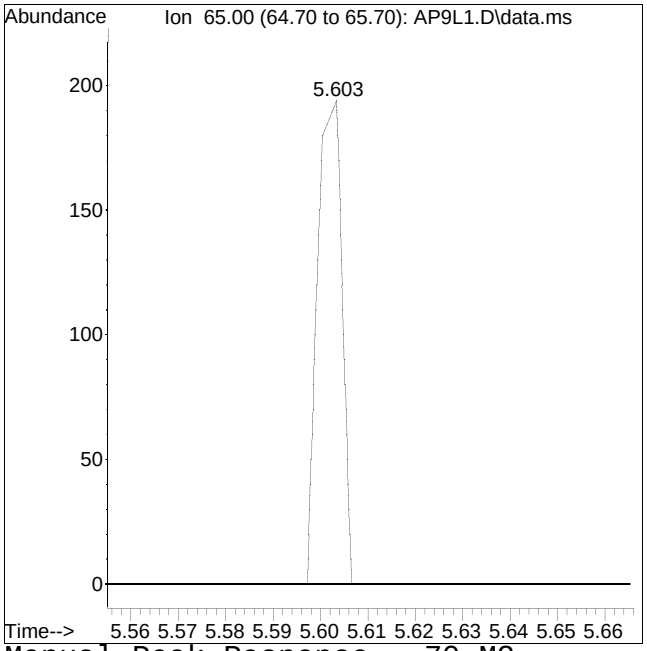
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : AP9L1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 11:36 pm Instrument : Dakota
Sample : IL10,32,,AP9L0.1 Lot# 1112Quant Date : 11/6/2024 8:37 am

Compound #59: 3-Chloroaniline



Original Peak Response = 0



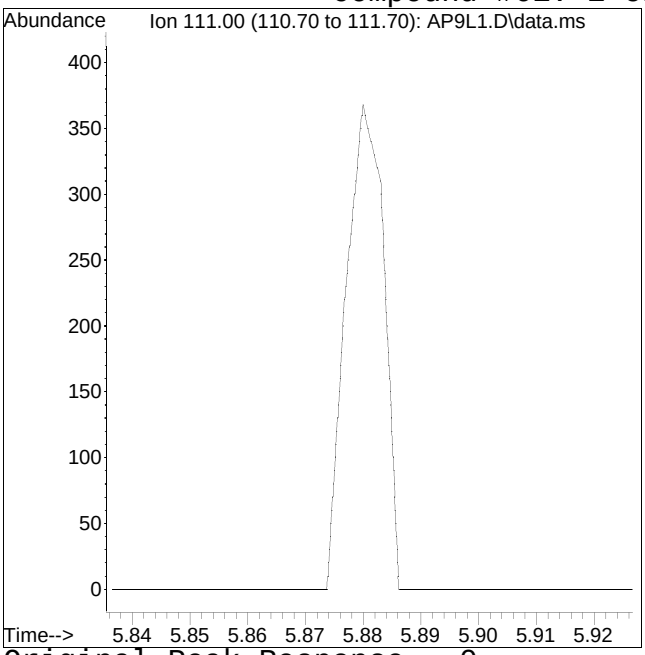
Manual Peak Response = 70 M2

M2 = Peak not found by automatic integration algorithm.

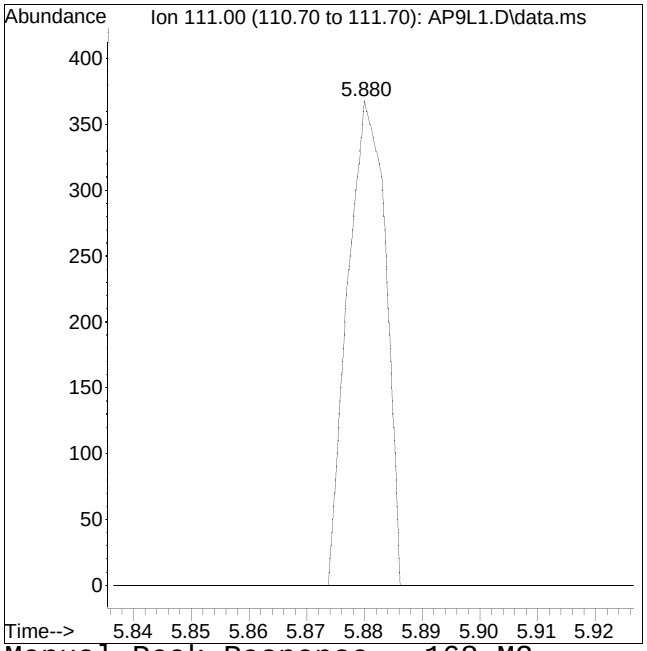
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #61: 1-chloro-2-nitrobenzene



Original Peak Response = 0



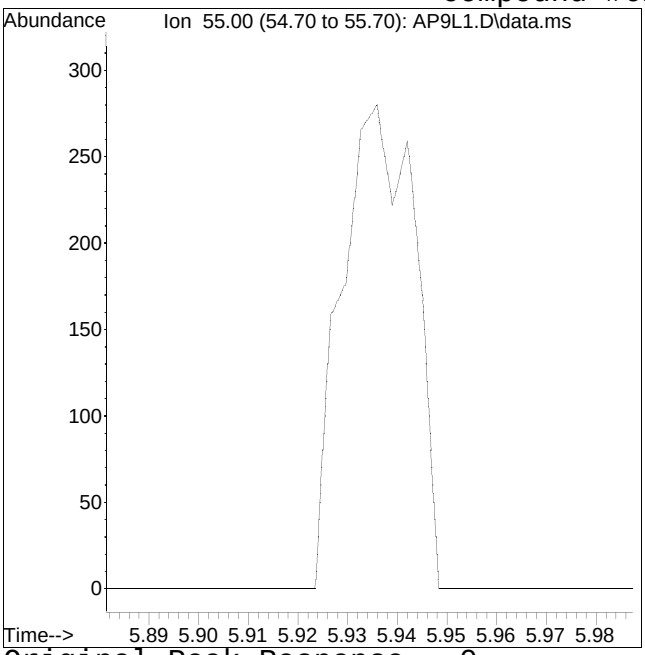
Manual Peak Response = 168 M2

M2 = Peak not found by automatic integration algorithm.

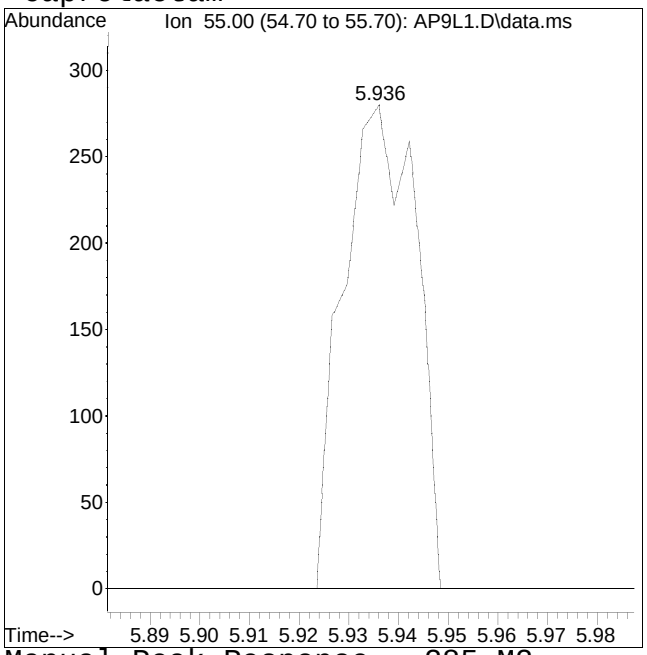
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #62: Caprolactam



Original Peak Response = 0



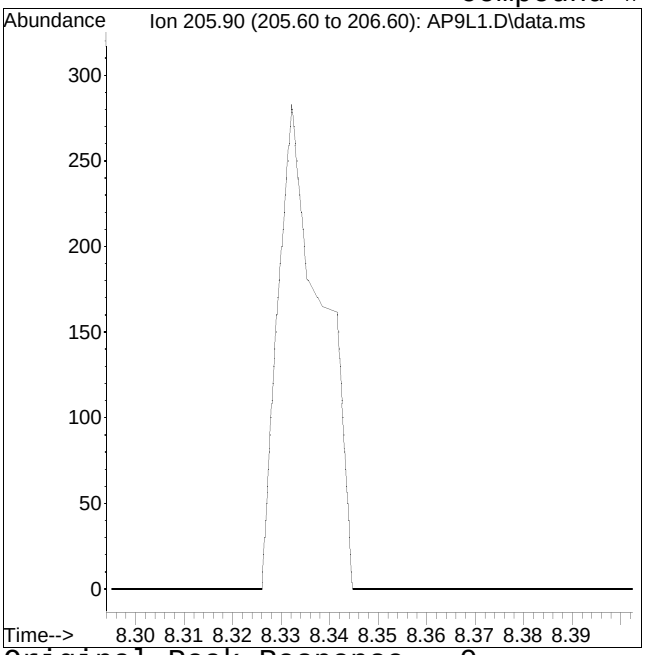
Manual Peak Response = 285 M2

M2 = Peak not found by automatic integration algorithm.

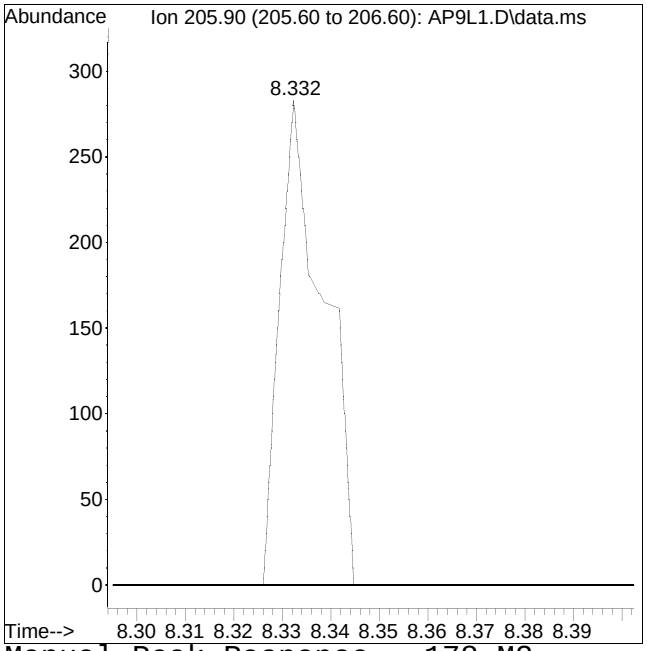
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #86: Dichloran



Original Peak Response = 0



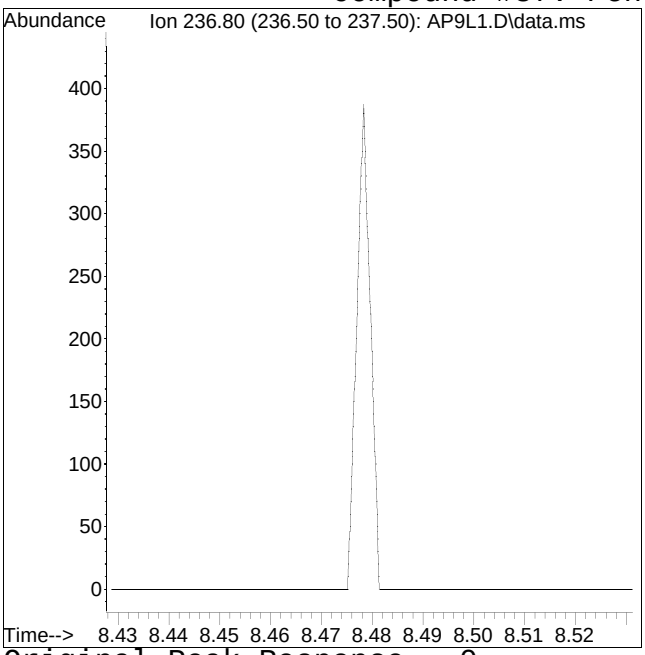
Manual Peak Response = 178 M2

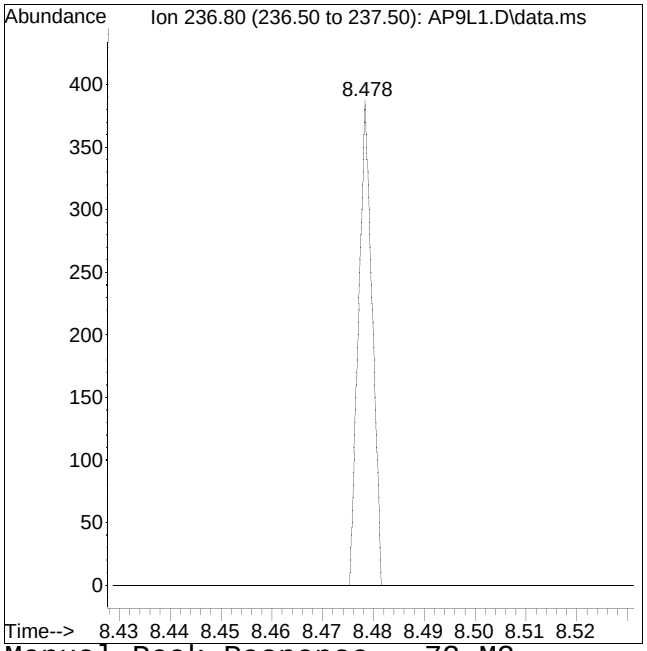
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : AP9L1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 11:36 pm Instrument : Dakota
Sample : IL10,32,,AP9L0.1 Lot# 1112Quant Date : 11/6/2024 8:37 am

Compound #87: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 72 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 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	103	0.00
2	t	n-Nitrosodimethylamine	0.630	0.605	4.0	101	0.00
3	t	Pyridine	0.954	0.757	20.6#	77	0.00
4	S	2-Fluorophenol	1.028	0.968	5.8	100	0.00
5	T	Aniline	1.567	1.337	14.7	90	0.00
6	t	2-Chlorophenol	1.225	1.160	5.3	99	0.00
7	S	Phenol-d6	1.317	1.189	9.7	96	0.00
8	T	Phenol	1.421	1.295	8.9	96	0.00
9	T	Bis(2-chloroethyl)ether	1.017	0.962	5.4	101	0.00
10	T	1,3-Dichlorobenzene	1.577	1.429	9.4	98	0.00
11	T	1,4-Dichlorobenzene	1.610	1.474	8.4	99	0.00
12	T	1,2-Dichlorobenzene	1.534	1.411	8.0	100	0.00
13	t	Benzyl alcohol	0.930	0.869	6.6	99	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.670	6.9	101	0.00
15	T	2-Methylphenol	1.079	0.990	8.2	101	0.00
16	T	Hexachloroethane	0.589	0.529	10.2	101	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.773	10.4	98	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.061	10.2	99	0.00
19	S	Nitrobenzene-d5	1.195	1.112	6.9	98	0.00
20	T	Nitrobenzene	1.222	1.123	8.1	97	0.00
21	T	Isophorone	2.247	2.012	10.5	96	0.00
22	T	2-Nitrophenol	0.619	0.547	11.6	94	0.00
23	T	2,4-Dimethylphenol	1.101	0.834	24.3#	81	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.314	6.1	100	0.00
25	T	2,4-Dichlorophenol	1.285	1.170	8.9	97	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.418	8.8	99	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	104	0.00
38	T	Naphthalene	1.100	0.979	11.0	100	0.00
39	T	Benzoic Acid	0.228	0.175	23.2#	88	0.00
40	T	4-Chloroaniline	0.121	0.104	14.0	92	0.00
41	T	Hexachlorobutadiene	0.258	0.240	7.0	100	0.00
42	T	p-Chloro-m-cresol	0.290	0.261	10.0	97	0.00
43	T	2-Methylnaphthalene	0.761	0.690	9.3	102	0.00
44	T	1-Methylnaphthalene	0.242	0.219	9.5	98	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.211	22.4#	81	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.262	8.7	98	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.284	11.3	98	0.00
48	S	2-Fluorobiphenyl	0.990	0.872	11.9	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 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)
49	T	2-Chloronaphthalene		0.852	0.739	13.3	96	0.00
50	T	2-Nitroaniline		0.218	0.194	11.0	93	0.00
51	T	1,4-Dinitrobenzene		0.095	0.085	10.5	94	0.00
52	T	1,3-Dinitrobenzene		0.113	0.101	10.6	91	0.00
53	T	Dimethyl phthalate		0.991	0.879	11.3	99	0.00
54	T	Acenaphthylene		1.252	1.111	11.3	98	0.00
55	T	2,6-Dinitrotoluene		0.185	0.166	10.3	93	0.00
56	T	1,2-Dinitrobenzene		0.066	0.068	-3.0	101	0.00
65	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	103	0.00
66	T	3-Nitroaniline		0.309	0.291	5.8	97	0.00
67	T	Acenaphthene		1.163	0.993	14.6	97	0.00
68	T	2,4-Dinitrophenol	*	5.000	4.126	17.5	92	0.00
69	T	Dibenzofuran		2.006	1.787	10.9	101	0.00
70	T	2,4-Dinitrotoluene		0.387	0.375	3.1	96	0.00
71	T	4-Nitrophenol		0.230	0.215	6.5	95	0.00
72	T	2,3,5,6-Tetrachlorophenol		0.436	0.395	9.4	96	0.00
73	T	2,3,4,6-Tetrachlorophenol		0.428	0.396	7.5	99	0.00
74	T	Diethyl phthalate		1.575	1.380	12.4	99	0.00
75	T	Fluorene		1.536	1.359	11.5	99	0.00
76	T	4-Chlorophenyl phenyl ether		0.792	0.702	11.4	100	0.00
77	T	4-Nitroaniline		0.299	0.300	-0.3	99	0.00
78	T	4,6-Dinitro-o-cresol		0.234	0.216	7.7	92	0.00
79	T	NDPA/DPA		1.337	1.176	12.0	100	0.00
80	T	Azobenzene		1.281	1.179	8.0	100	0.00
81	S	2,4,6-Tribromophenol		0.286	0.269	5.9	102	0.00
82	T	4-Bromophenyl phenyl ether		0.522	0.455	12.8	99	0.00
83	T	Hexachlorobenzene		0.656	0.553	15.7	98	0.00
84	T	Pentachlorophenol		0.356	0.324	9.0	94	0.00
90	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	102	0.00
91	T	Phenanthrene		1.183	1.044	11.7	98	0.00
92	T	Anthracene		1.160	1.061	8.5	100	0.00
93	T	Carbazole		1.064	0.982	7.7	98	0.00
94	T	Di-n-butylphthalate		1.207	1.119	7.3	97	0.00
95	T	Fluoranthene		1.422	1.289	9.4	100	0.00
96	T	Benzidine		0.772	0.715	7.4	91	0.00
97	T	Pyrene		1.520	1.421	6.5	102	0.00
98	S	4-Terphenyl-d14		1.157	1.045	9.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 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)
99	T	Butyl benzyl phthalate	0.517	0.492	4.8	97	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	102	0.00
107	T	Benzo(a)anthracene	1.355	1.205	11.1	99	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.480	5.0	98	0.00
109	T	Chrysene	1.349	1.187	12.0	99	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.689	5.1	96	0.00
111	T	Di-n-octylphthalate	1.212	1.150	5.1	97	0.00
112	T	Benzo(b)fluoranthene	1.420	1.274	10.3	99	0.00
113	T	Benzo(k)fluoranthene	1.383	1.303	5.8	99	0.00
114	T	Benzo(a)pyrene	1.267	1.183	6.6	98	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	102	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.129	8.5	98	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.133	6.6	99	0.00
118	T	Benzo(ghi)perylene	1.192	1.061	11.0	97	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\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	29942	4.000	ug/ml	0.00
Standard Area 1 = 30017			Recovery = 99.75%			
37) IS1_Naphthalene-d8	5.520	136	111727	4.000	ug/ml	0.00
Standard Area 1 = 110693			Recovery = 100.93%			
65) IS1_Acenaphthene-d10	7.210	164	71834	4.000	ug/ml	0.00
Standard Area 1 = 71339			Recovery = 100.69%			
90) IS1_Phenanthrene-d10	8.625	188	153221	4.000	ug/ml	0.00
Standard Area 1 = 152962			Recovery = 100.17%			
106) IS1_Chrysene-d12	11.192	240	177321	4.000	ug/ml	0.00
Standard Area 1 = 173819			Recovery = 102.01%			
115) IS1_Perylene-d12	12.609	264	206959	4.000	ug/ml	0.00
Standard Area 1 = 202944			Recovery = 101.98%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.996	112	36238	4.708	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 235.40%#			
7) Phenol-d6	3.984	99	44501	4.514	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 225.70%#			
19) Nitrobenzene-d5	4.833	82	41614	4.652	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 465.20%#			
48) 2-Fluorobiphenyl	6.592	172	121772	4.404	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 440.40%#			
81) 2,4,6-Tribromophenol	7.969	330	24120	4.697	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 234.85%#			
98) 4-Terphenyl-d14	10.191	244	200195	4.515	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 451.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.600	74	22641	4.799	ug/ml#	79
3) Pyridine	1.641	79	28316M1	3.965	ug/ml	
5) Aniline	3.969	93	50034	4.266	ug/ml	95
6) 2-Chlorophenol	4.077	128	43409	4.734	ug/ml#	87
8) Phenol	3.997	94	48485	4.559	ug/ml	96
9) Bis(2-chloroethyl)ether	4.056	93	36003	4.728	ug/ml	99
10) 1,3-Dichlorobenzene	4.224	146	53479	4.532	ug/ml	94
11) 1,4-Dichlorobenzene	4.298	146	55162	4.578	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	52815	4.599	ug/ml	94
13) Benzyl alcohol	4.450	79	32533	4.673	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	4.593	45	62522	4.656	ug/ml#	63
15) 2-Methylphenol	4.590	108	37053	4.586	ug/ml	100
16) Hexachloroethane	4.771	117	19810	4.490	ug/ml#	48
17) n-Nitrosodi-n-propylamine	4.721	70	28948	4.483	ug/ml#	87
18) 3-Methylphenol/4-Methy...	4.749	108	39726	4.488	ug/ml	100
20) Nitrobenzene	4.848	77	42031	4.594	ug/ml	97
21) Isophorone	5.094	82	75307	4.477	ug/ml	95
22) 2-Nitrophenol	5.165	139	20467	4.419	ug/ml#	86
23) 2,4-Dimethylphenol	5.255	107	31220	3.789	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	49166	4.692	ug/ml#	97
25) 2,4-Dichlorophenol	5.405	162	43788	4.552	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	53081	4.560	ug/ml	96
38) Naphthalene	5.538	128	136778	4.451	ug/ml	99
39) Benzoic Acid	5.346	105	24373	3.831	ug/ml	92
40) 4-Chloroaniline	5.622	65	14569	4.314	ug/ml#	63
41) Hexachlorobutadiene	5.697	225	33536	4.646	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	36518	4.511	ug/ml	91
43) 2-Methylnaphthalene	6.216	142	96343	4.531	ug/ml	95
44) 1-Methylnaphthalene	6.309	115	30554	4.519	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	29425	3.870	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	36634	4.577	ug/ml	98
47) 2,4,5-Trichlorophenol	6.536	196	39640	4.429	ug/ml	99
49) 2-Chloronaphthalene	6.676	162	103138	4.332	ug/ml	93
50) 2-Nitroaniline	6.794	138	27096	4.447	ug/ml#	78
51) 1,4-Dinitrobenzene	6.928	168	11911	4.501	ug/ml	83
52) 1,3-Dinitrobenzene	7.002	168	14057	4.435	ug/ml#	1
53) Dimethyl phthalate	7.005	163	122829	4.438	ug/ml#	98
54) Acenaphthylene	7.067	152	155180	4.438	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	23242	4.499	ug/ml#	79
56) 1,2-Dinitrobenzene	7.080	168	9499	5.134	ug/ml#	1
66) 3-Nitroaniline	7.192	138	26098	4.705	ug/ml#	86
67) Acenaphthene	7.238	154	89205	4.270	ug/ml	87
68) 2,4-Dinitrophenol	7.291	184	13757	4.126	ug/ml#	80
69) Dibenzofuran	7.409	168	160445	4.454	ug/ml	90
70) 2,4-Dinitrotoluene	7.425	165	33658	4.841	ug/ml#	80
71) 4-Nitrophenol	7.394	65	19325	4.673	ug/ml#	28
72) 2,3,5,6-Tetrachlorophenol	7.506	232	35437	4.522	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.543	232	35578	4.631	ug/ml	98
74) Diethyl phthalate	7.689	149	123901	4.382	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Fluorene	7.736	166	122050	4.424	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	63042	4.434	ug/ml#	86
77) 4-Nitroaniline	7.773	138	26907	5.018	ug/ml#	77
78) 4,6-Dinitro-o-cresol	7.810	198	19382	4.612	ug/ml#	59
79) NDPA/DPA	7.879	169	105614	4.400	ug/ml	93
80) Azobenzene	7.910	77	105841	4.602	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.227	248	40811	4.357	ug/ml#	79
83) Hexachlorobenzene	8.267	284	49668	4.213	ug/ml#	80
84) Pentachlorophenol	8.463	266	29051	4.546	ug/ml	99
91) Phenanthrene	8.646	178	199979	4.414	ug/ml	99
92) Anthracene	8.693	178	203231	4.574	ug/ml	99
93) Carbazole	8.867	167	188138	4.614	ug/ml	98
94) Di-n-butylphthalate	9.271	149	214371	4.637	ug/ml#	98
95) Fluoranthene	9.781	202	246949	4.533	ug/ml#	91
96) Benzidine	9.946	184	136878	4.630	ug/ml#	95
97) Pyrene	9.989	202	272087	4.674	ug/ml	99
99) Butyl benzyl phthalate	10.707	149	94148	4.755	ug/ml#	83
107) Benzo(a)anthracene	11.183	228	267033	4.445	ug/ml	99
108) 3,3'-Dichlorobenzidine	11.195	252	106445	4.756	ug/ml#	95
109) Chrysene	11.217	228	263085	4.399	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.335	149	152756	4.744	ug/ml#	89
111) Di-n-octylphthalate	11.994	149	254994	4.747	ug/ml#	72
112) Benzo(b)fluoranthene	12.252	252	282392	4.487	ug/ml#	94
113) Benzo(k)fluoranthene	12.280	252	288769	4.709	ug/ml#	93
114) Benzo(a)pyrene	12.553	252	262323	4.671	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.545	276	292191	4.576	ug/mL#	89
117) Dibenzo(a,h)anthracene	13.570	278	293099	4.671	ug/ml#	89
118) Benzo(ghi)perylene	13.753	276	274527	4.451	ug/ml#	86

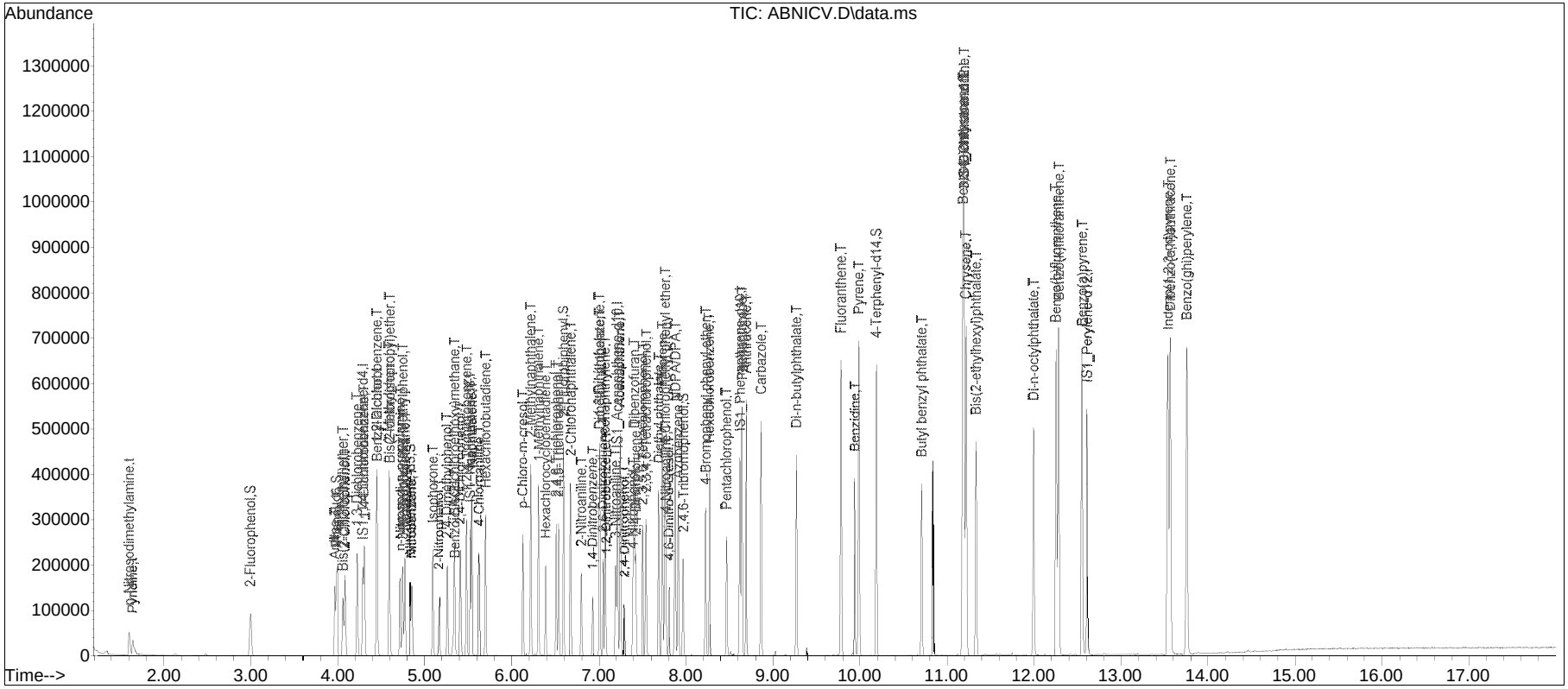
(#) = qualifier out of range (m) = manual integration (+) = signals summed

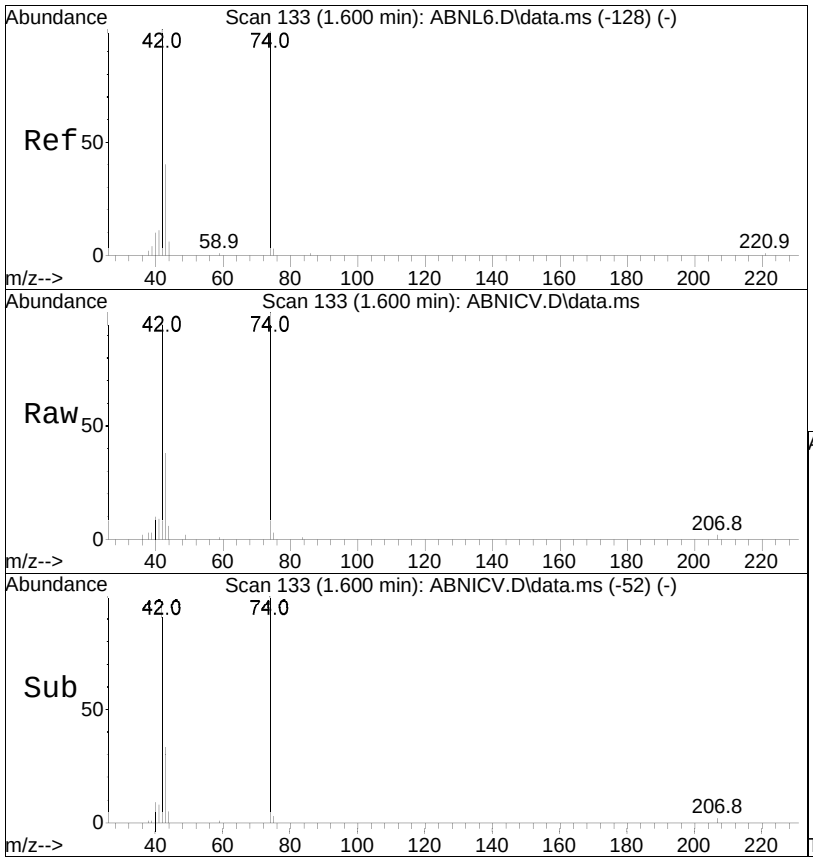
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ADPL7.D•

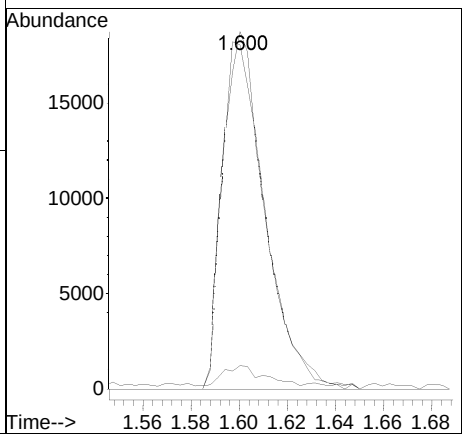


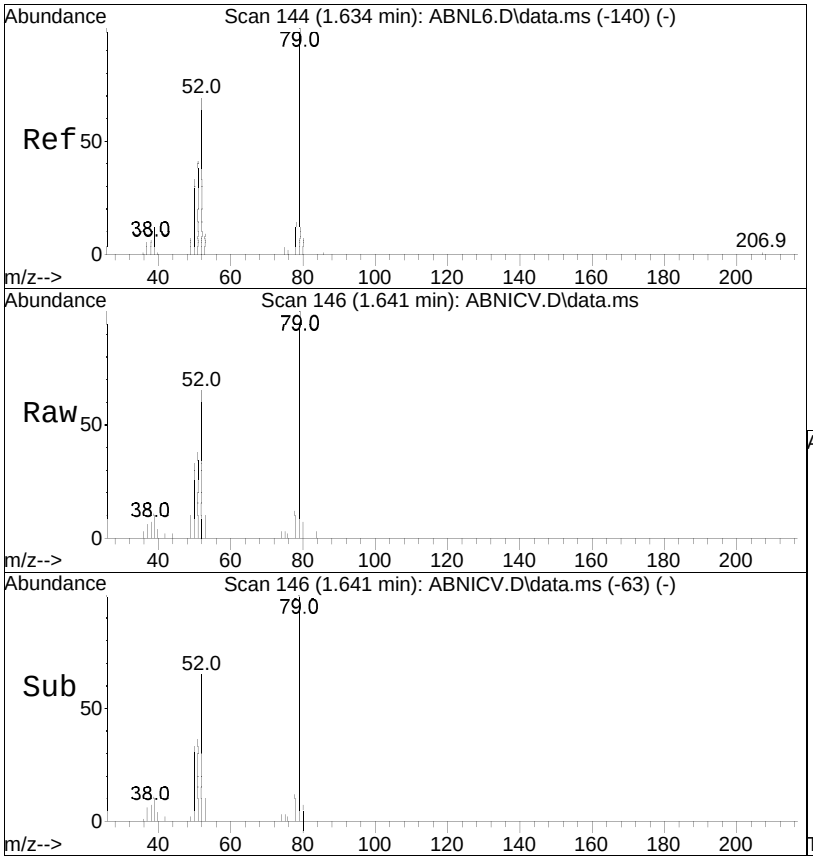


#2
n-Nitrosodimethylamine
Concen: 4.80 ug/ml
RT: 1.600 min Scan# 133
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 74 Resp: 22641

Ion	Ratio	Lower	Upper
74	100		
42	99.8	100.0	150.0#
44	5.3	6.7	10.1#

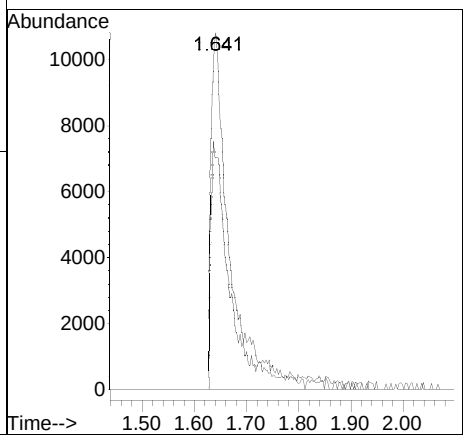


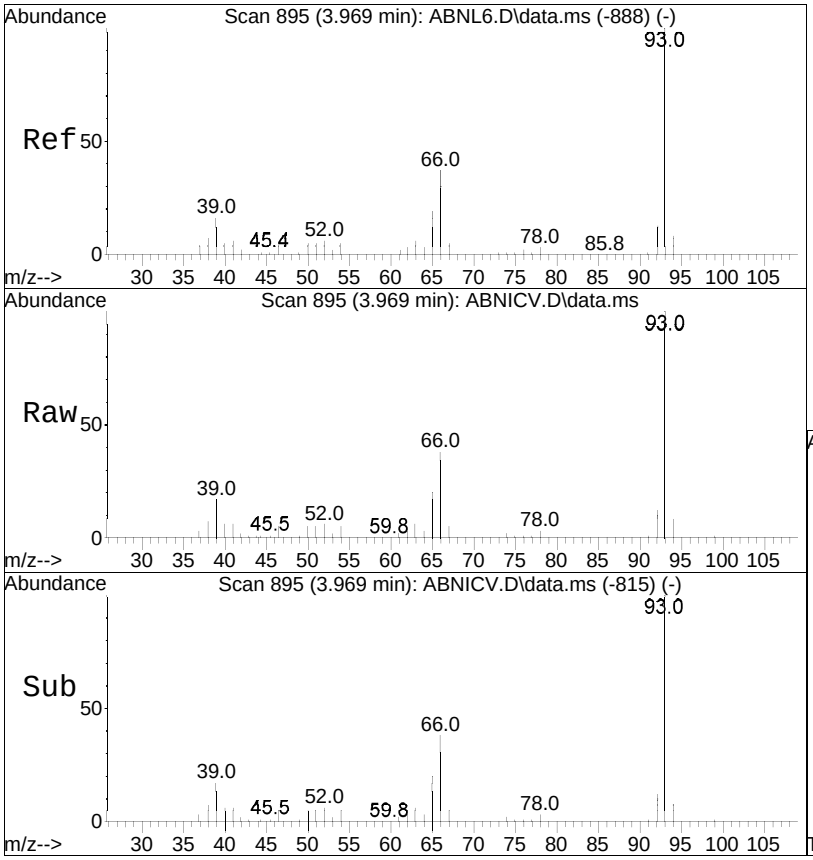


#3
Pyridine
Concen: 3.97 ug/ml M1
RT: 1.641 min Scan# 146
Delta R.T. 0.007 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 79 Resp: 28316

Ion	Ratio	Lower	Upper
79	100		
52	57.6	93.1	139.7#

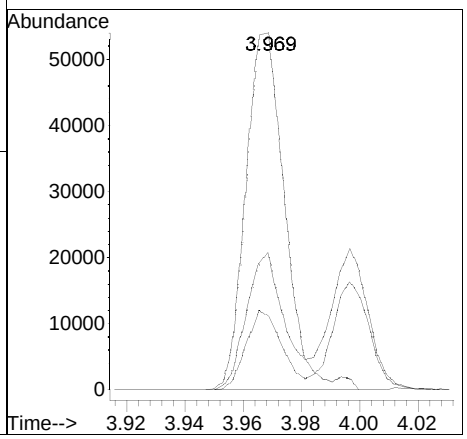


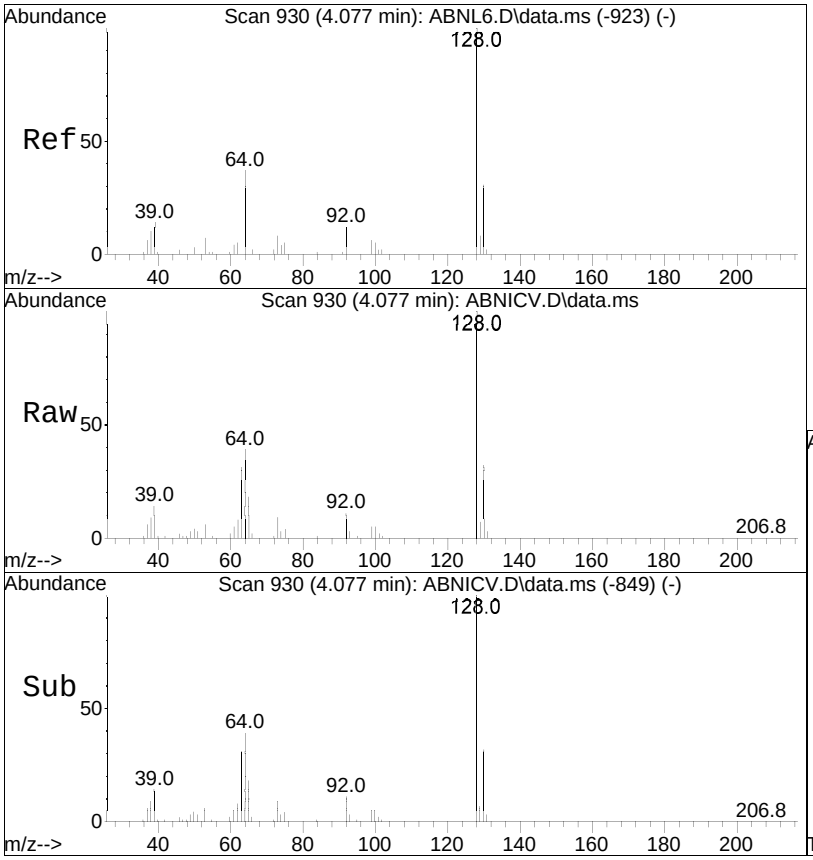


#5
Aniline
Concen: 4.27 ug/ml
RT: 3.969 min Scan# 895
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 50034

Ion	Ratio	Lower	Upper
93	100		
66	37.2	32.6	49.0
65	20.8	17.6	26.4

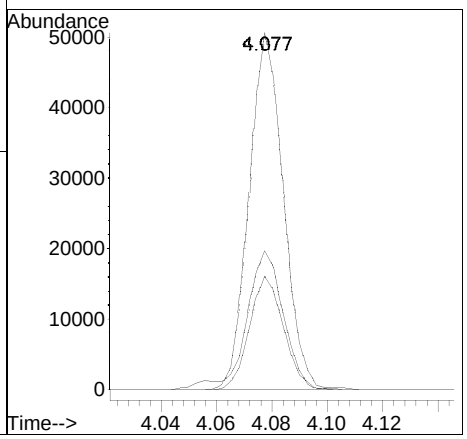


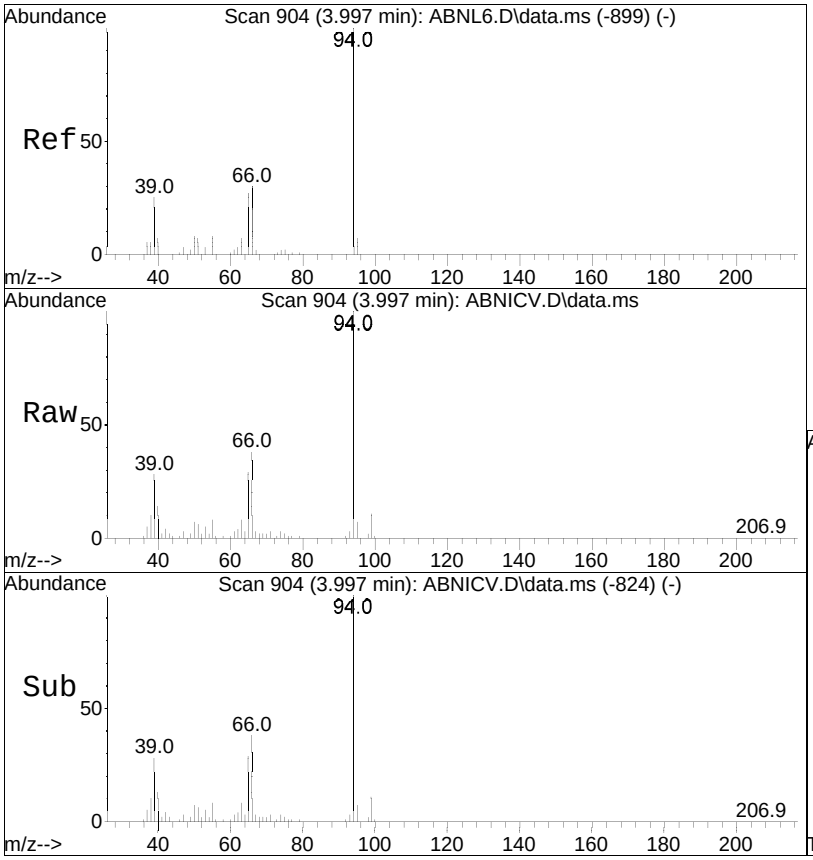


#6
2-Chlorophenol
Concen: 4.73 ug/ml
RT: 4.077 min Scan# 930
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:128 Resp: 43409

Ion	Ratio	Lower	Upper
128	100		
64	42.2	45.1	67.7#
130	31.8	26.2	39.4

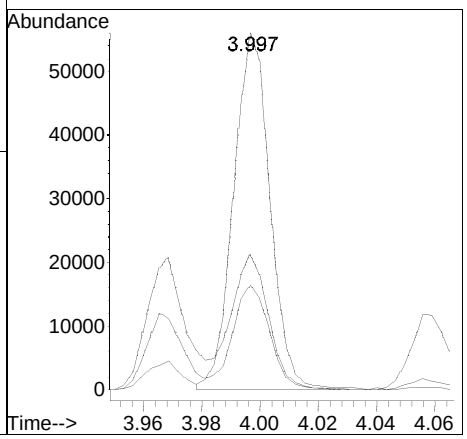


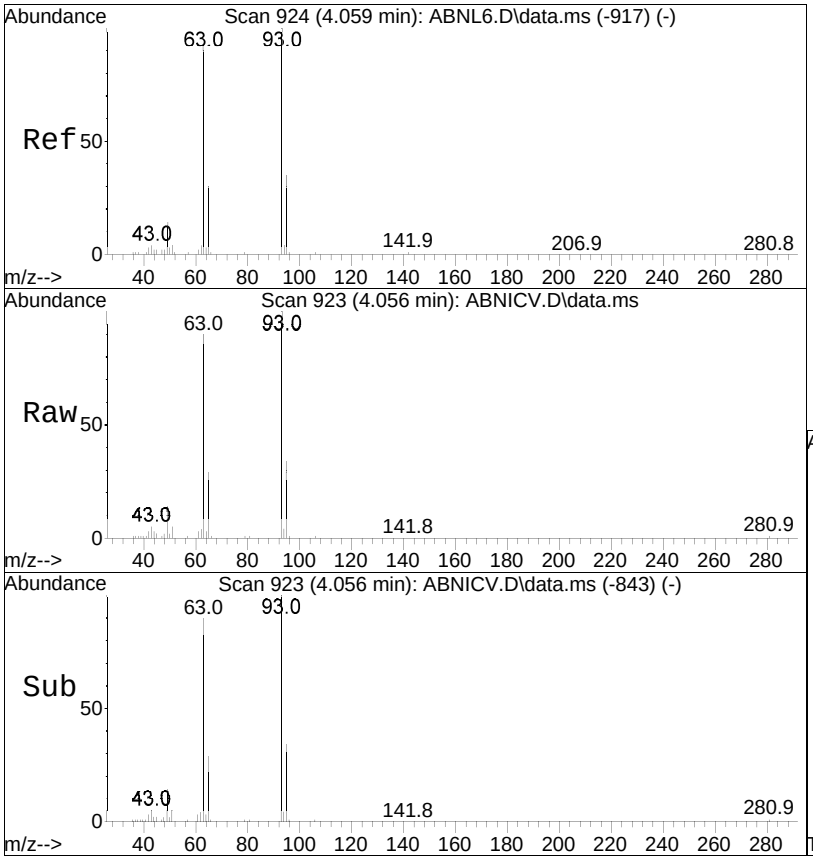


#8
Phenol
Concen: 4.56 ug/ml
RT: 3.997 min Scan# 904
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 94 Resp: 48485

Ion	Ratio	Lower	Upper
94	100		
65	30.1	26.0	39.0
66	40.2	33.8	50.8

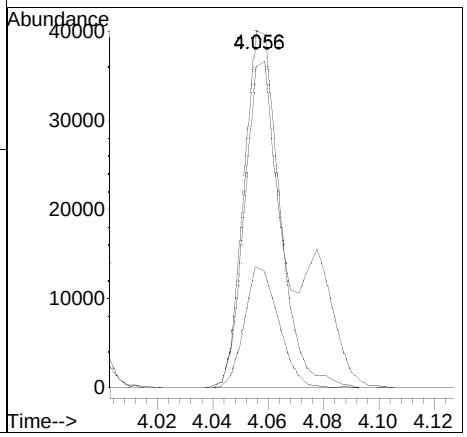


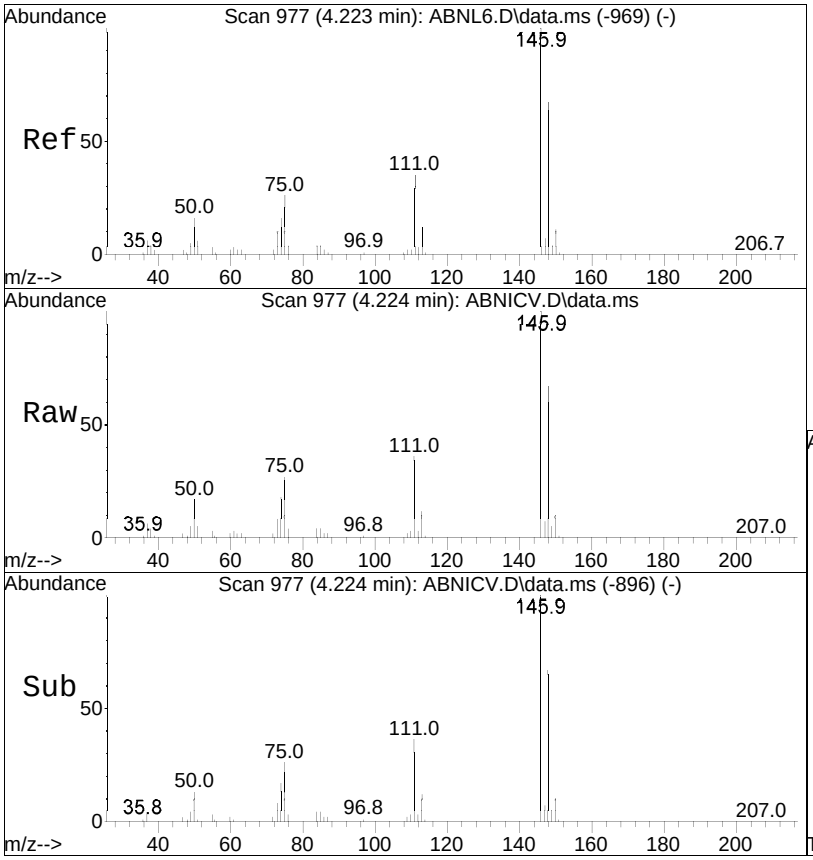


#9
Bis(2-chloroethyl)ether
Concen: 4.73 ug/ml
RT: 4.056 min Scan# 923
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 36003

Ion	Ratio	Lower	Upper
93	100		
63	91.9	74.6	111.8
95	32.5	25.9	38.9

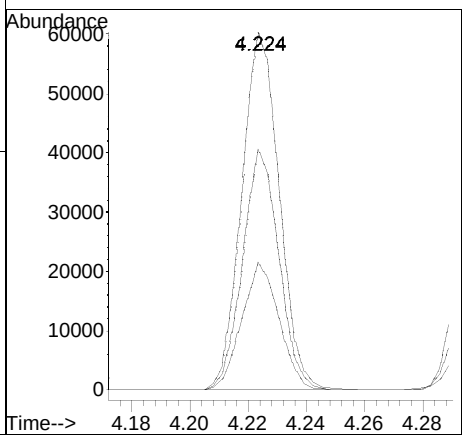


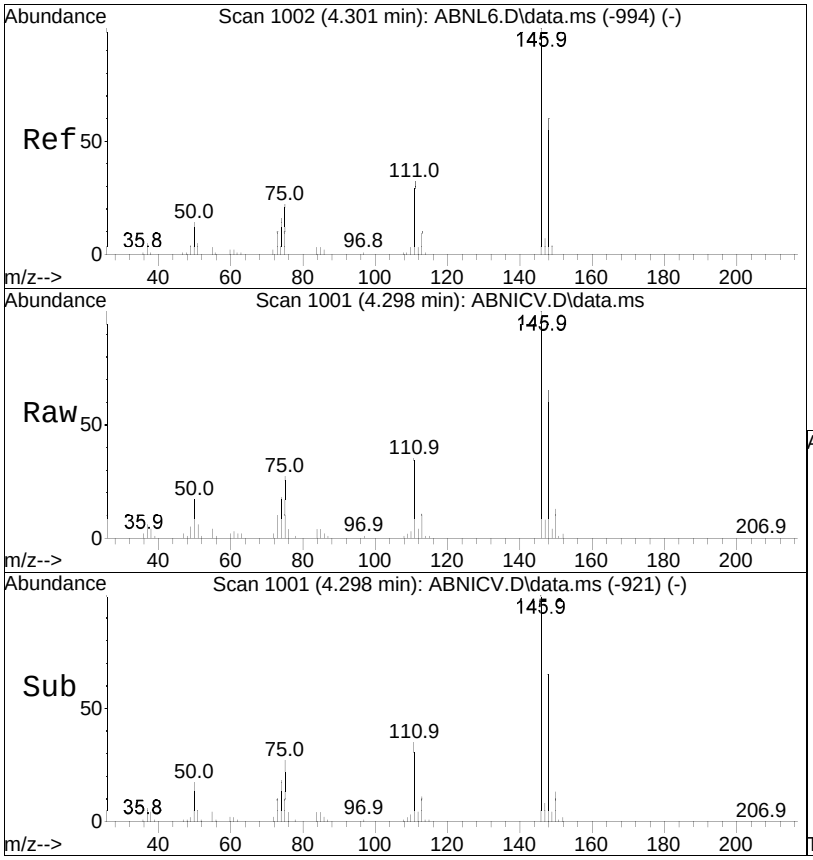


#10
1,3-Dichlorobenzene
Concen: 4.53 ug/ml
RT: 4.224 min Scan# 977
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 53479

Ion	Ratio	Lower	Upper
146	100		
111	35.5	34.3	51.5
148	65.0	50.8	76.2

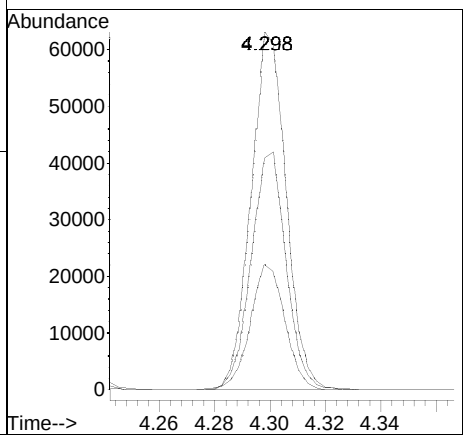


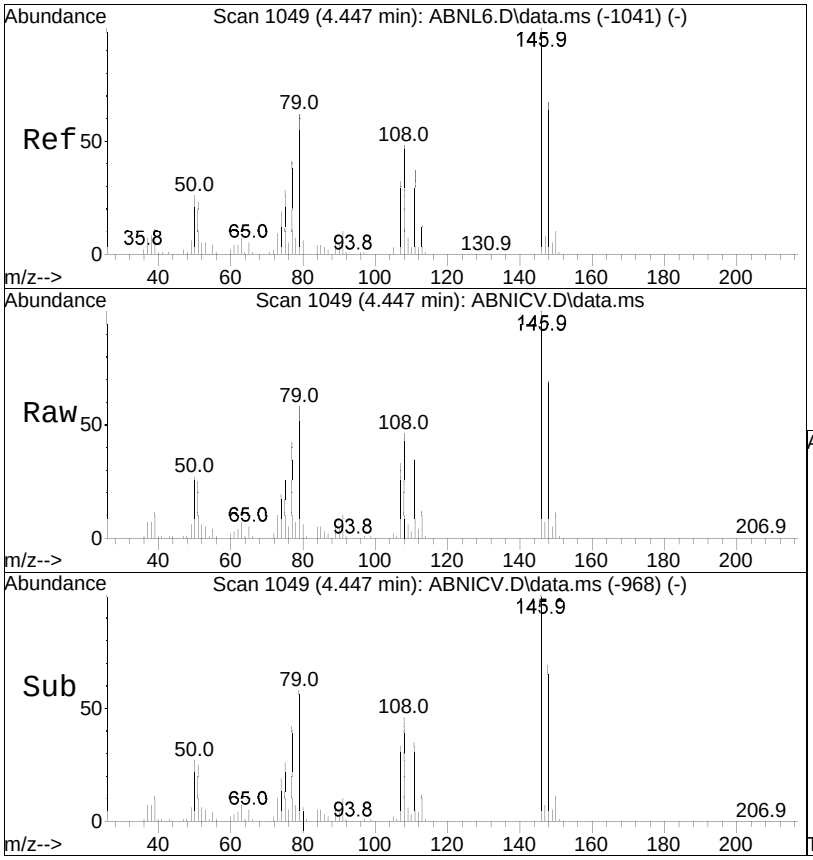


#11
1,4-Dichlorobenzene
Concen: 4.58 ug/ml
RT: 4.298 min Scan# 1001
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 55162

Ion	Ratio	Lower	Upper
146	100		
148	66.0	50.7	76.1
111	34.8	33.4	50.0

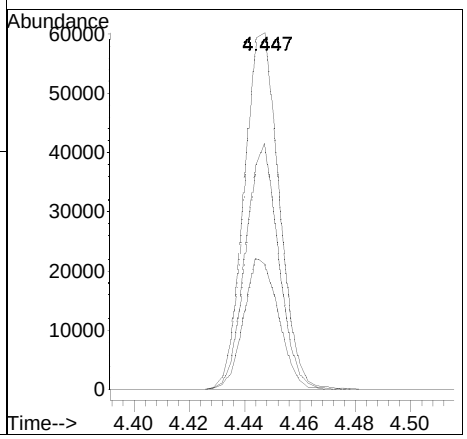


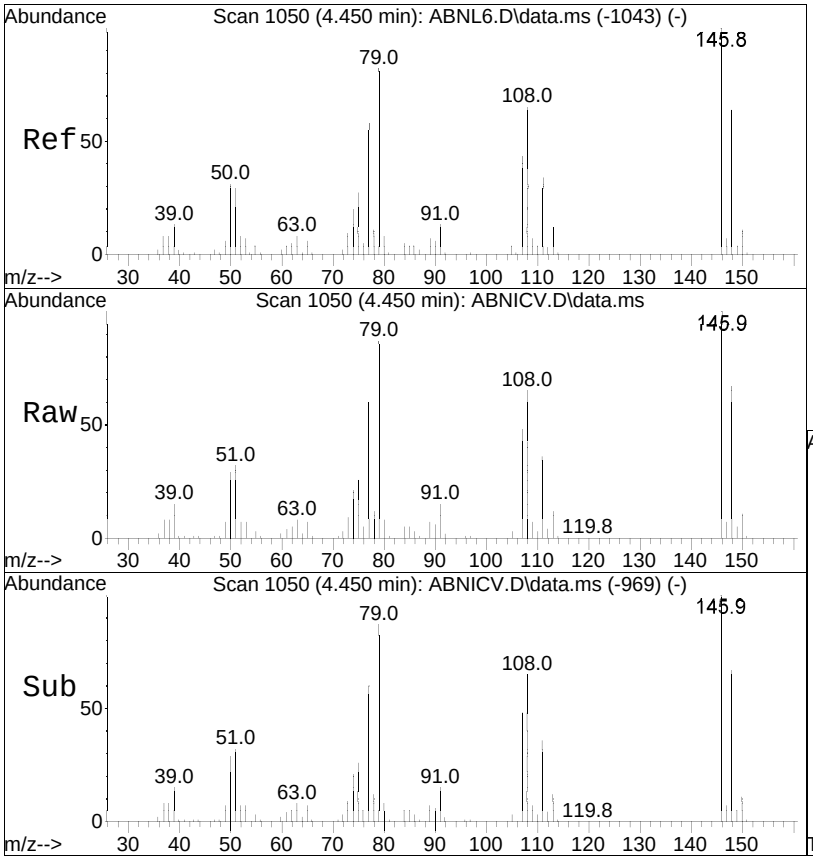


#12
1,2-Dichlorobenzene
Concen: 4.60 ug/ml
RT: 4.447 min Scan# 1049
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 52815

Ion	Ratio	Lower	Upper
146	100		
111	36.7	34.6	52.0
148	65.0	50.2	75.4

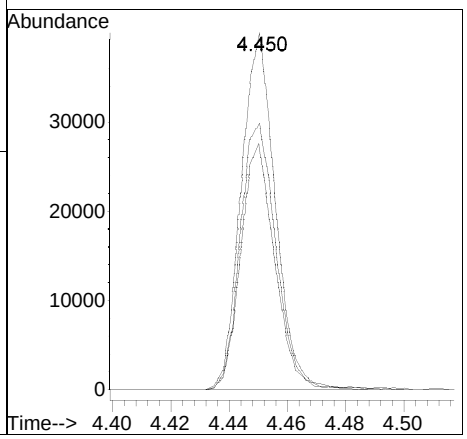


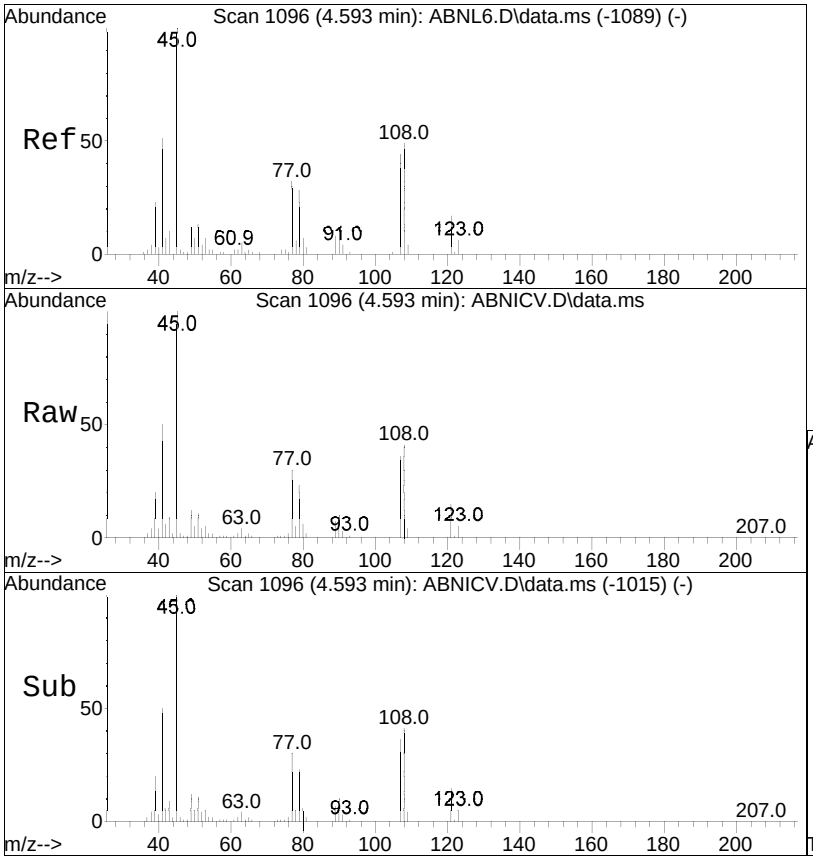


#13
Benzyl alcohol
Concen: 4.67 ug/ml
RT: 4.450 min Scan# 1050
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 79 Resp: 32533

Ion	Ratio	Lower	Upper
79	100		
77	69.3	54.9	82.3
108	77.6	63.1	94.7

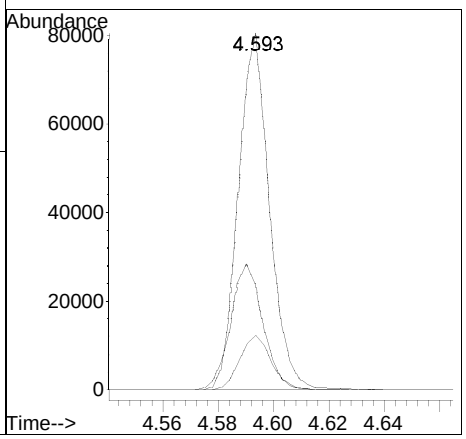


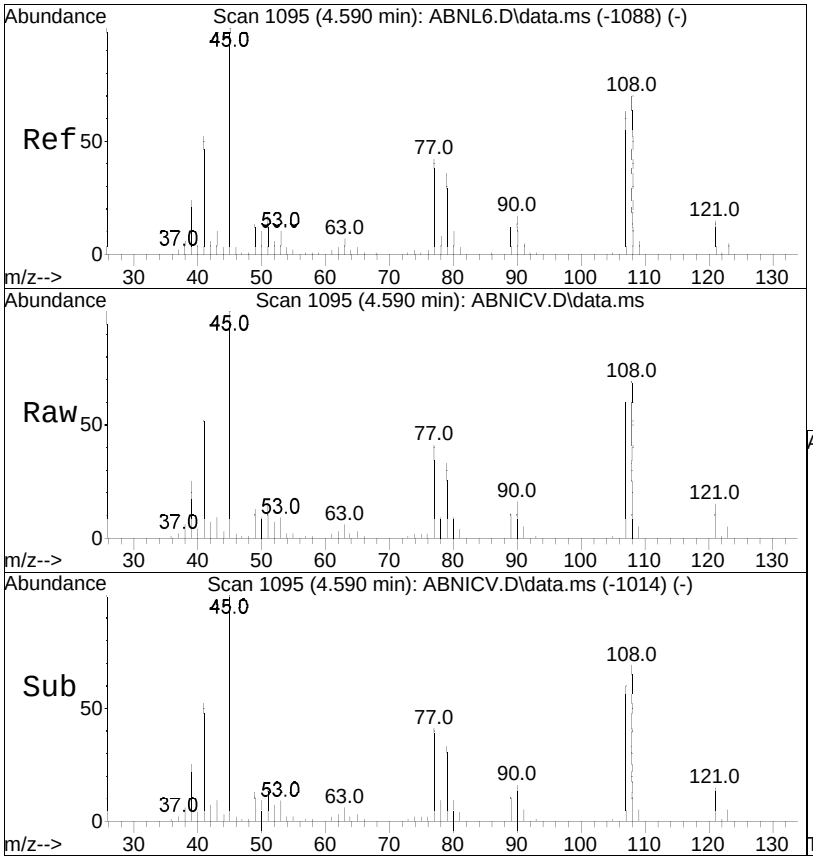


#14
Bis(2-chloroisopropyl)ether
Concen: 4.66 ug/ml
RT: 4.593 min Scan# 1096
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 45 Resp: 62522

Ion	Ratio	Lower	Upper
45	100		
121	15.5	9.8	14.6#
77	36.9	6.1	9.1#

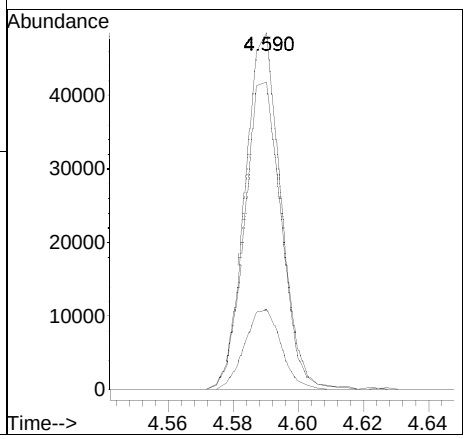


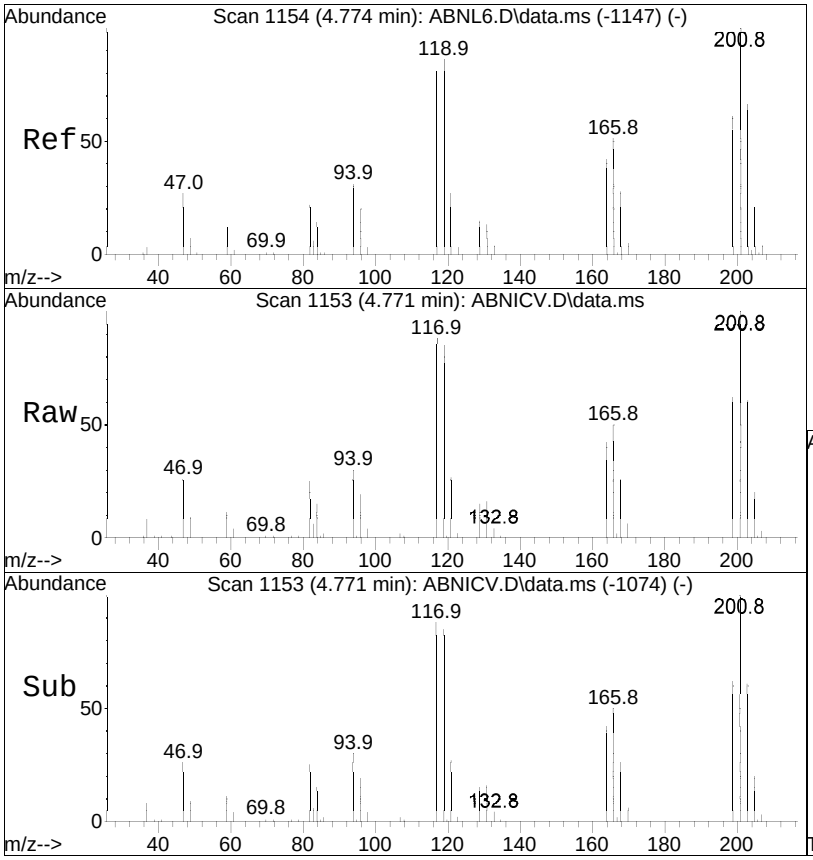


#15
2-Methylphenol
Concen: 4.59 ug/ml
RT: 4.590 min Scan# 1095
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:108 Resp: 37053

Ion	Ratio	Lower	Upper
108	100		
107	88.3	70.7	106.1
90	22.9	18.7	28.1

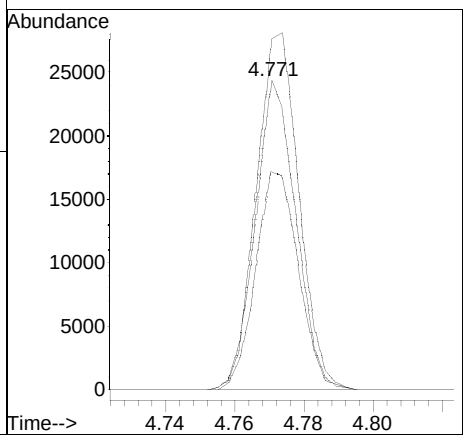


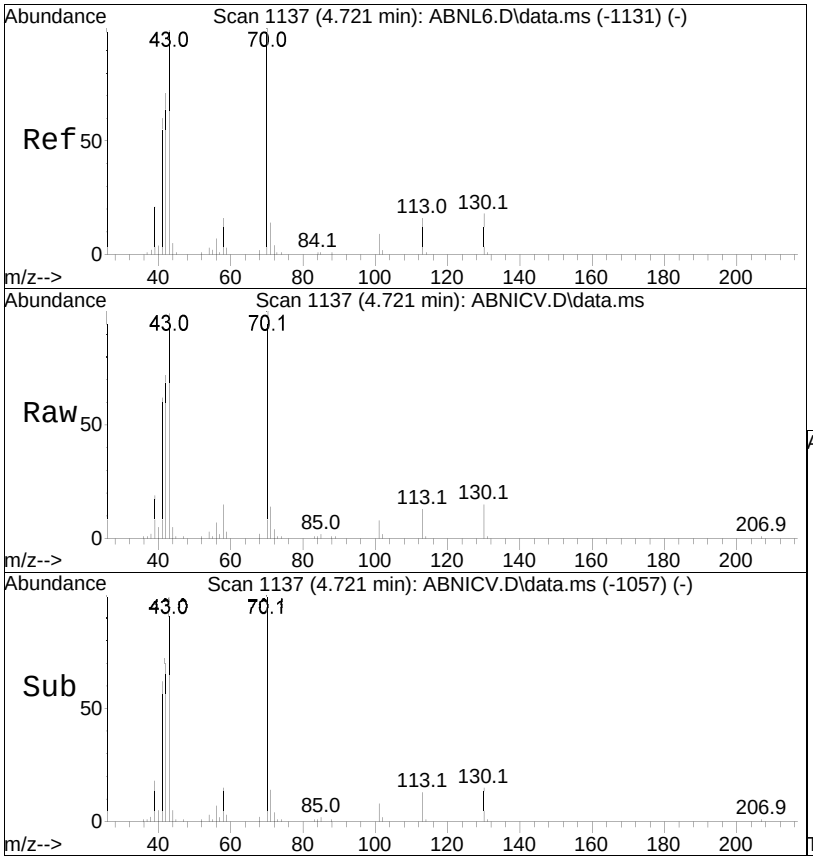


#16
Hexachloroethane
Concen: 4.49 ug/ml
RT: 4.771 min Scan# 1153
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:117 Resp: 19810

Ion	Ratio	Lower	Upper
117	100		
201	121.1	58.6	87.8#
199	74.6	36.9	55.3#

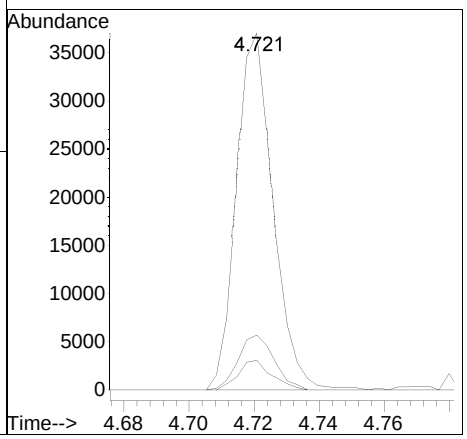


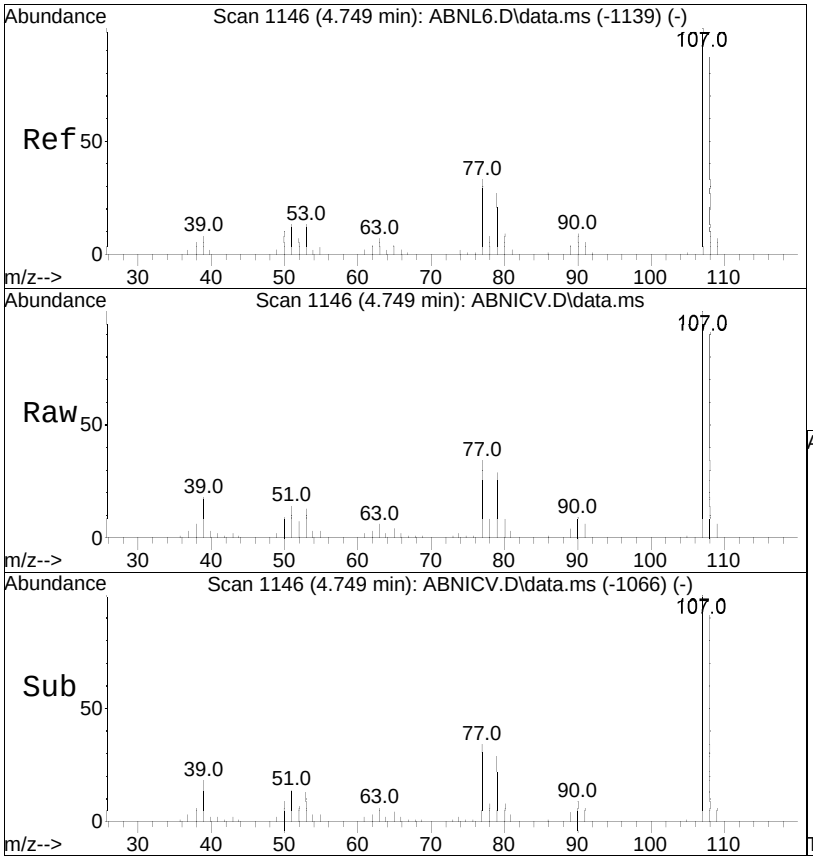


#17
n-Nitrosodi-n-propylamine
Concen: 4.48 ug/ml
RT: 4.721 min Scan# 1137
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 70 Resp: 28948

Ion	Ratio	Lower	Upper
70	100		
130	15.1	18.2	27.4#
101	7.5	7.8	11.8#

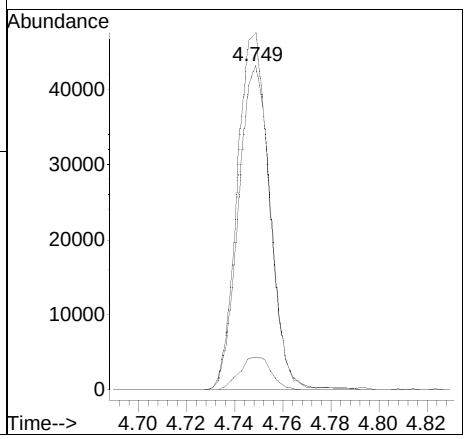


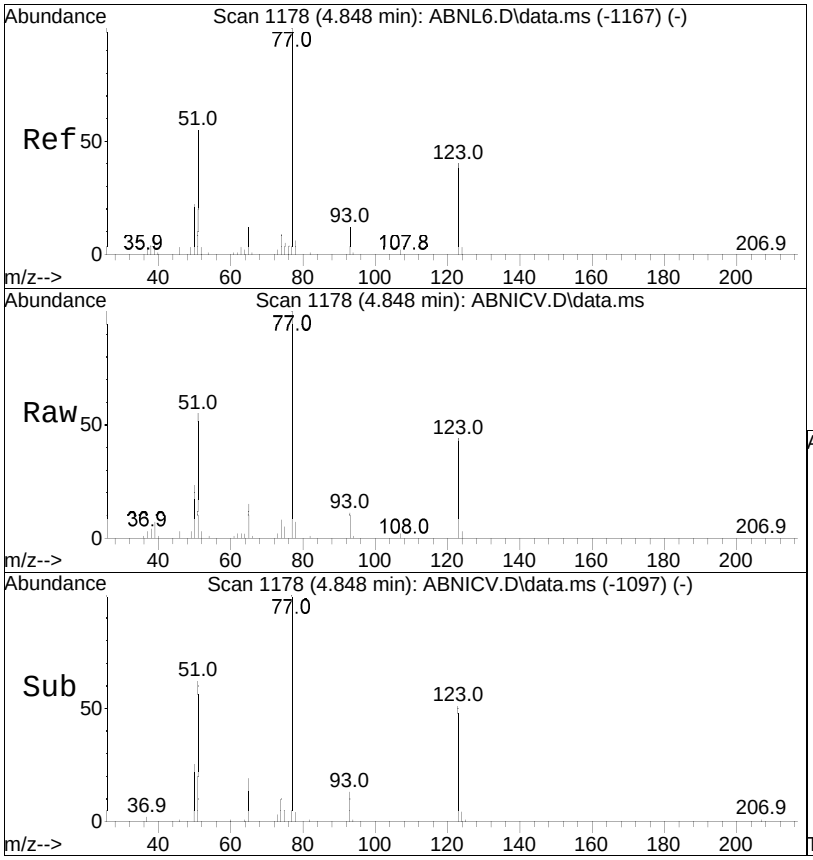


#18
3-Methylphenol/4-Methylphenol
Concen: 4.49 ug/ml
RT: 4.749 min Scan# 1146
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:108 Resp: 39726

Ion	Ratio	Lower	Upper
108	100		
107	110.8	88.6	132.8
90	10.1	8.8	13.2

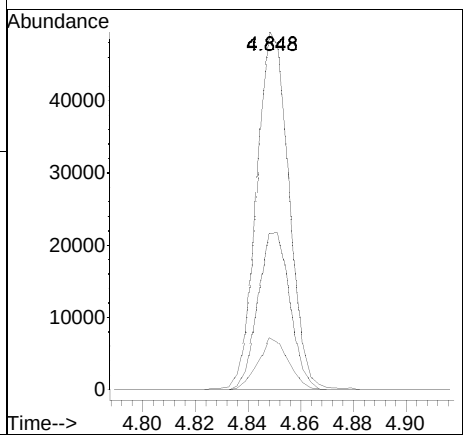


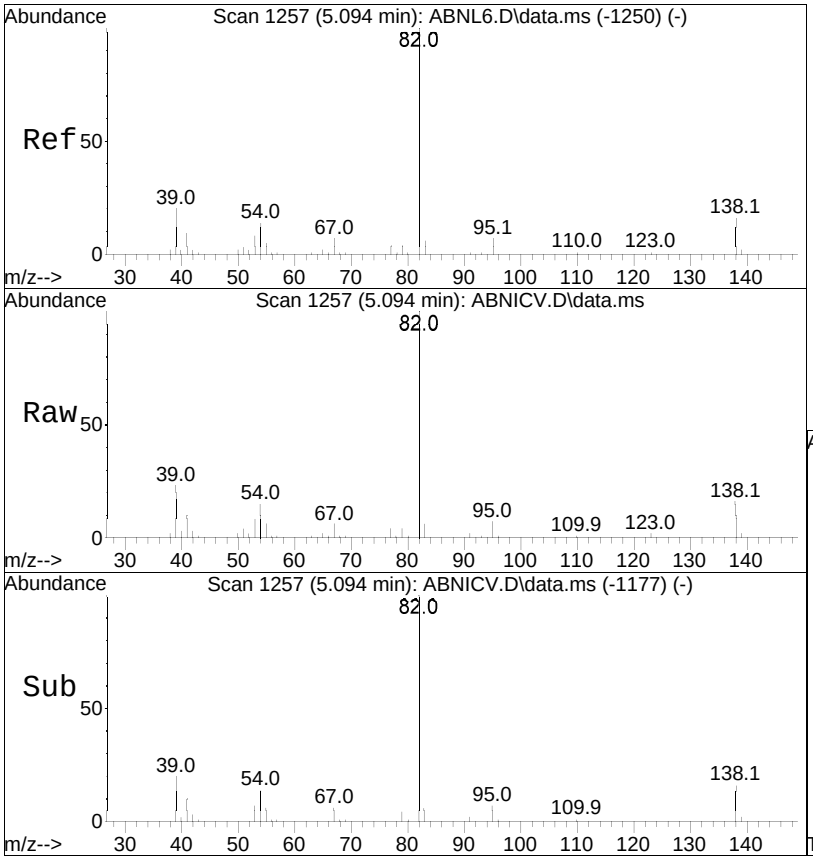


#20
Nitrobenzene
Concen: 4.59 ug/ml
RT: 4.848 min Scan# 1178
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 77 Resp: 42031

Ion	Ratio	Lower	Upper
77	100		
123	43.6	36.3	54.5
65	13.7	11.6	17.4

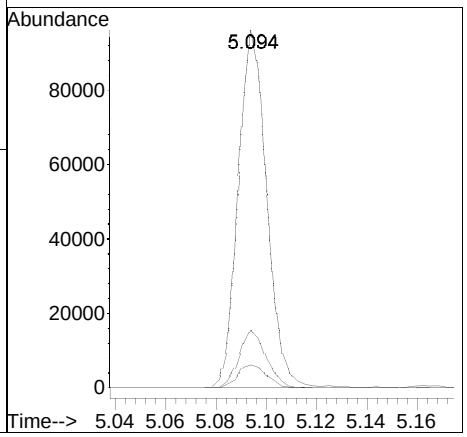


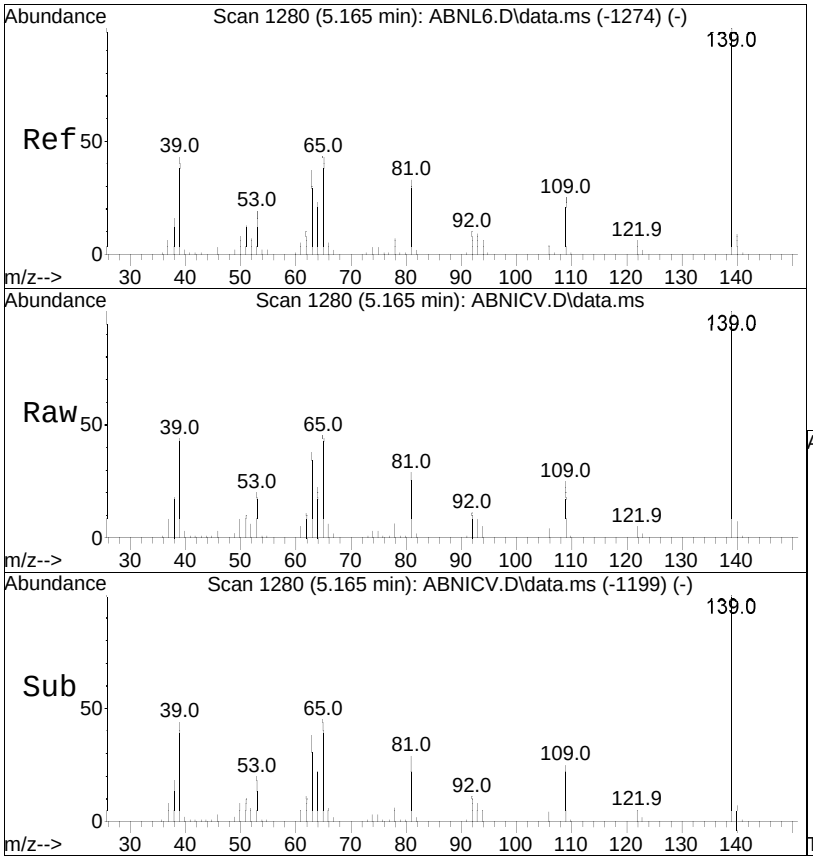


#21
Isophorone
Concen: 4.48 ug/ml
RT: 5.094 min Scan# 1257
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 82 Resp: 75307

Ion	Ratio	Lower	Upper
82	100		
138	15.4	14.7	22.1
95	6.7	5.2	7.8

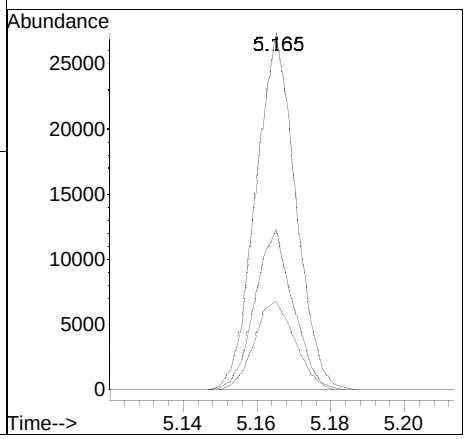


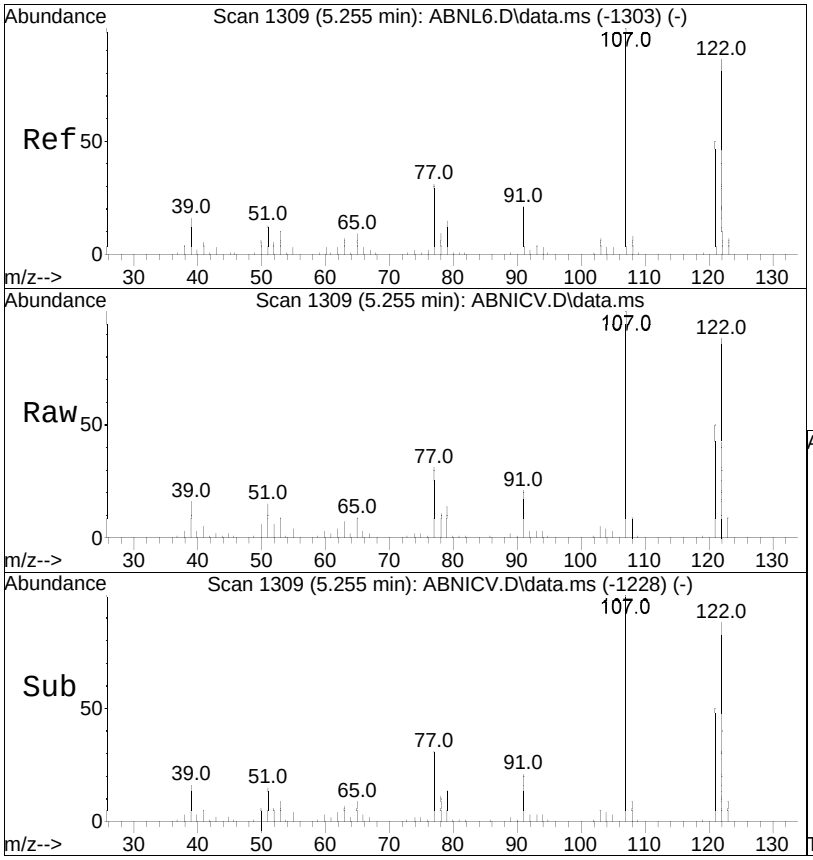


#22
2-Nitrophenol
Concen: 4.42 ug/ml
RT: 5.165 min Scan# 1280
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:139 Resp: 20467

Ion	Ratio	Lower	Upper
139	100		
109	25.3	19.4	29.0
65	43.3	46.1	69.1#

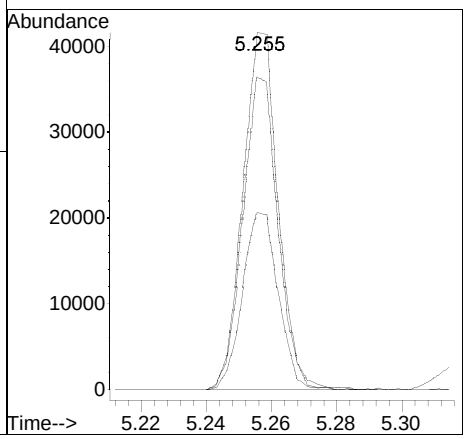


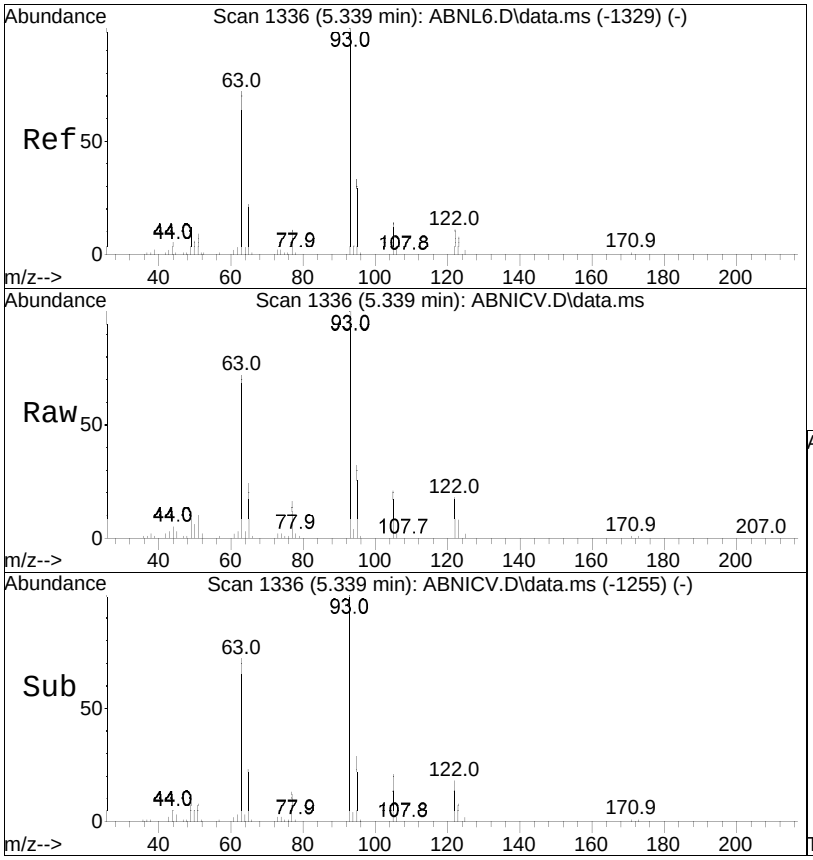


#23
2,4-Dimethylphenol
Concen: 3.79 ug/ml
RT: 5.255 min Scan# 1309
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:107 Resp: 31220

Ion	Ratio	Lower	Upper
107	100		
121	50.5	40.0	60.0
122	87.0	70.2	105.4

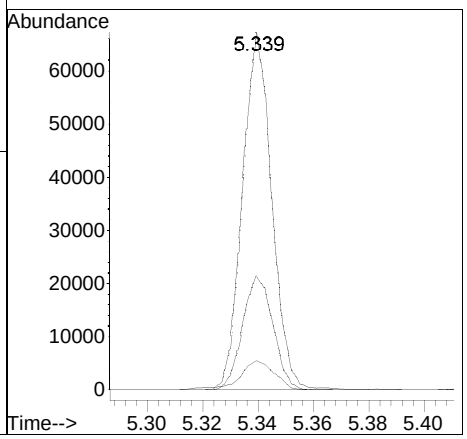


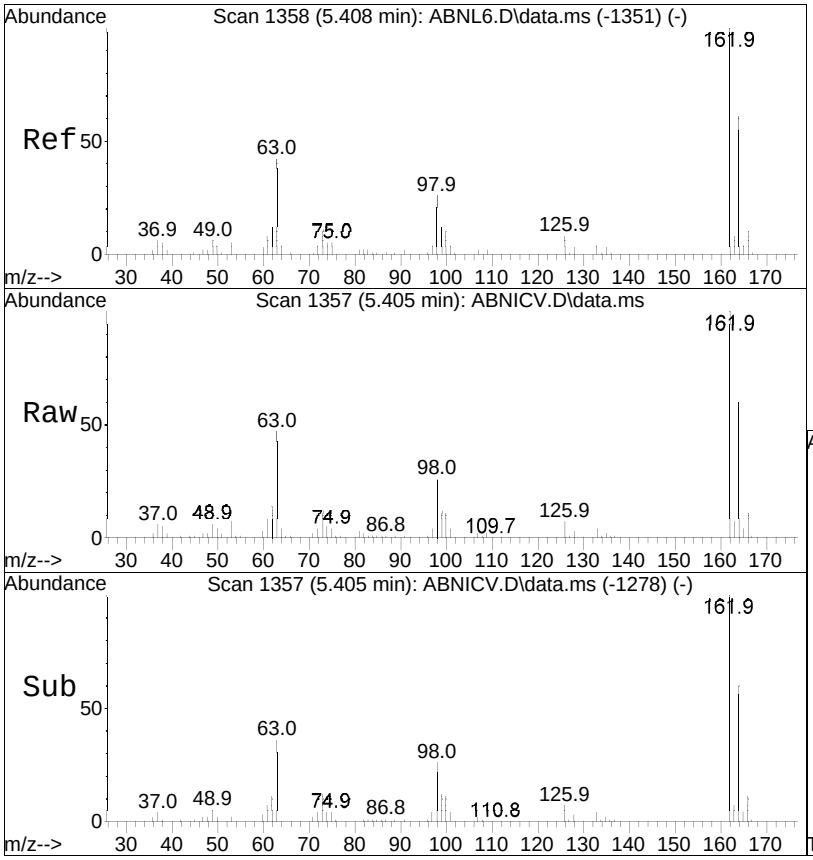


#24
Bis(2-chloroethoxy)methane
Concen: 4.69 ug/ml
RT: 5.339 min Scan# 1336
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 49166

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.8	38.8
123	9.9	10.1	15.1#

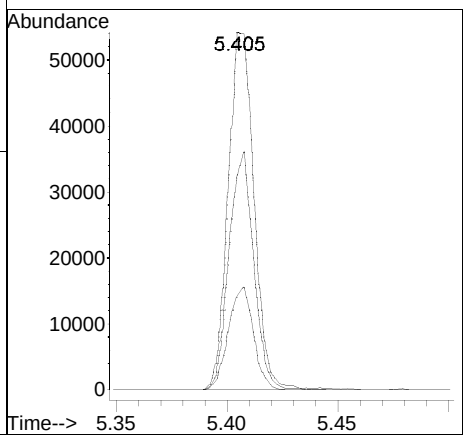


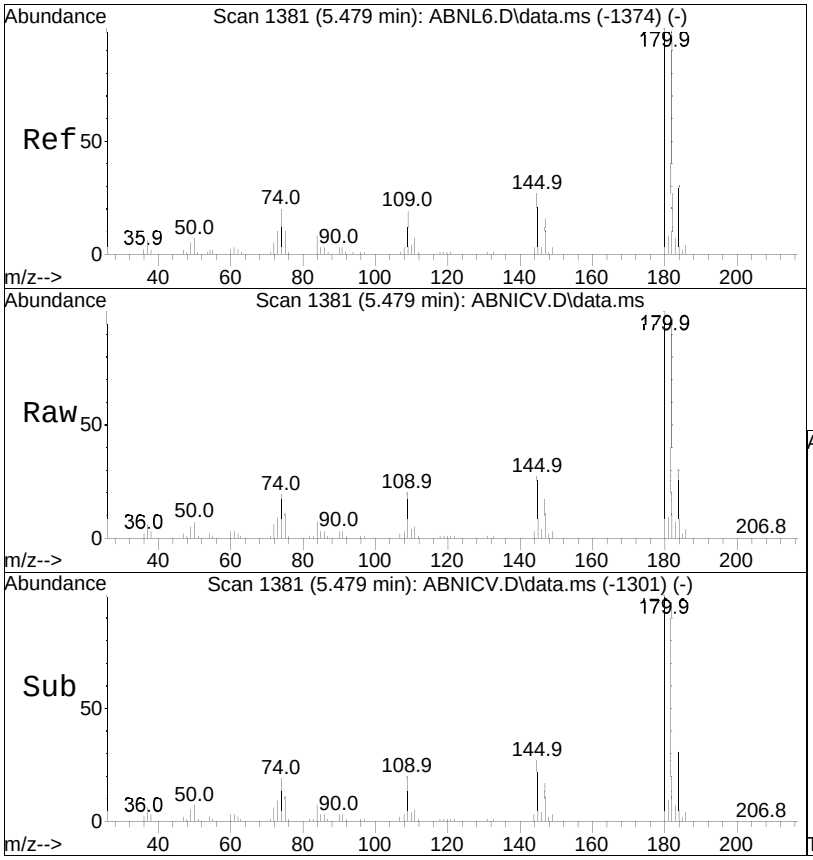


#25
2,4-Dichlorophenol
Concen: 4.55 ug/ml
RT: 5.405 min Scan# 1357
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:162 Resp: 43788

Ion	Ratio	Lower	Upper
162	100		
164	63.2	51.0	76.4
98	27.9	32.2	48.2#

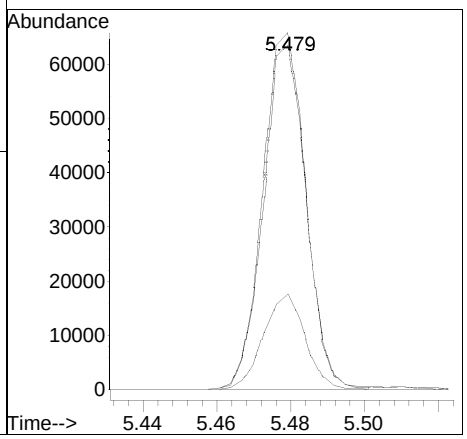


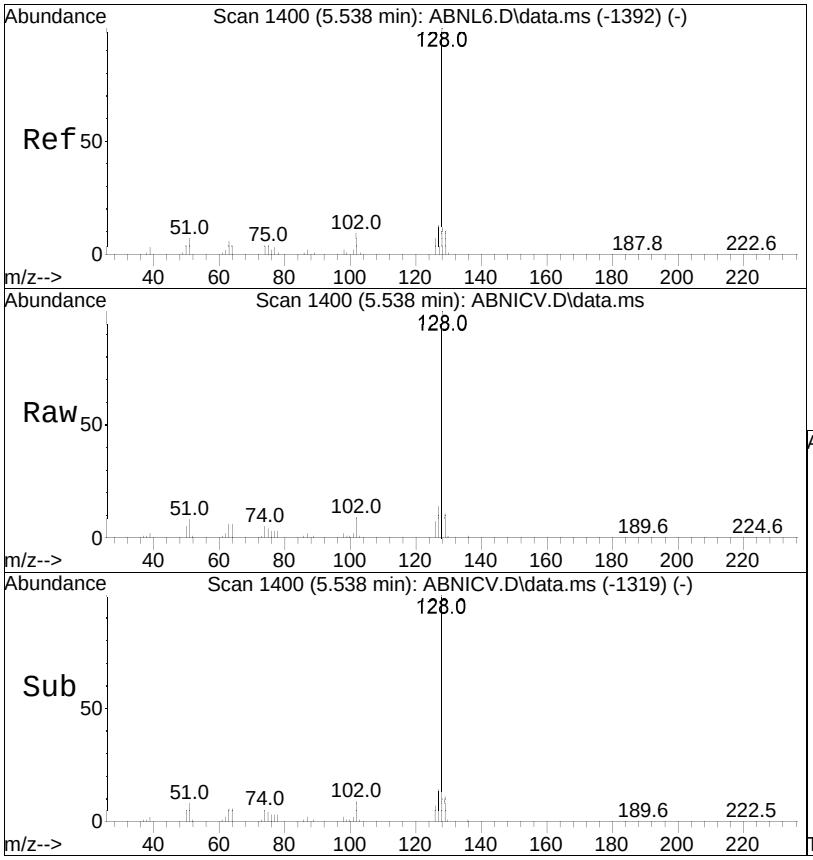


#26
1,2,4-Trichlorobenzene
Concen: 4.56 ug/ml
RT: 5.479 min Scan# 1381
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:180 Resp: 53081

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	26.1	25.7	38.5

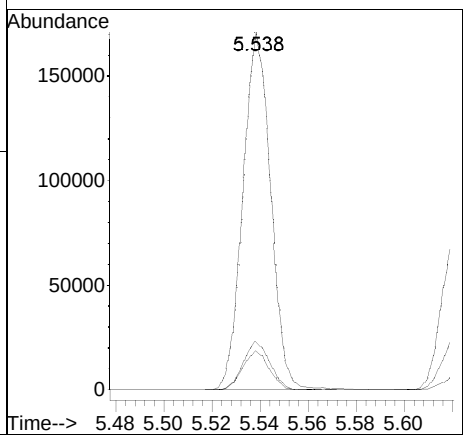


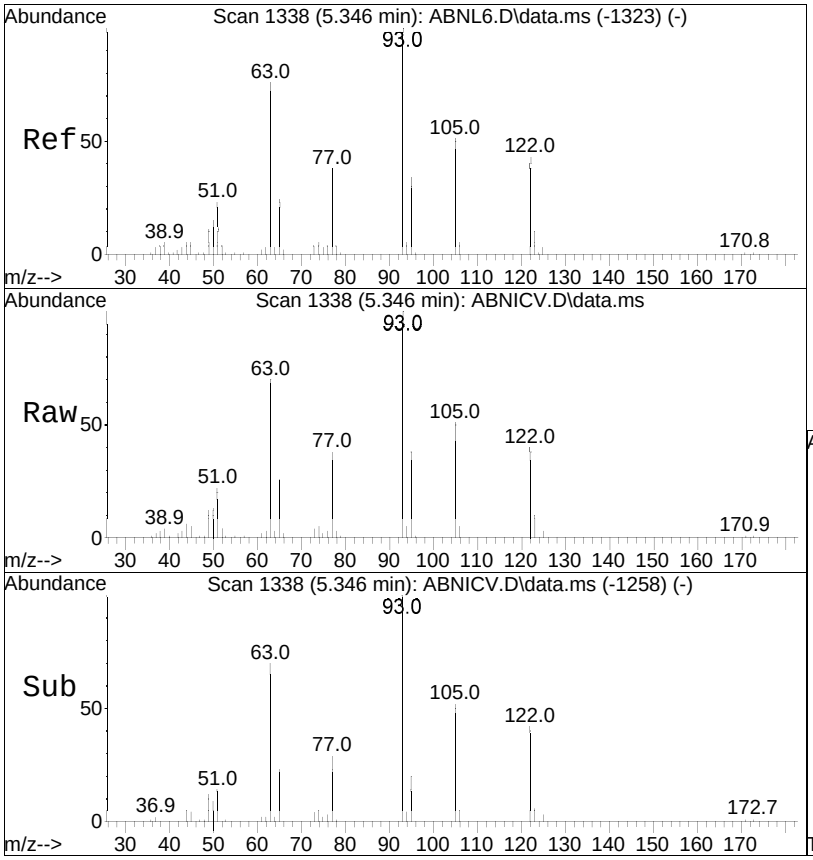


#38
Naphthalene
Concen: 4.45 ug/ml
RT: 5.538 min Scan# 1400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:128 Resp: 136778

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	13.2	10.3	15.5

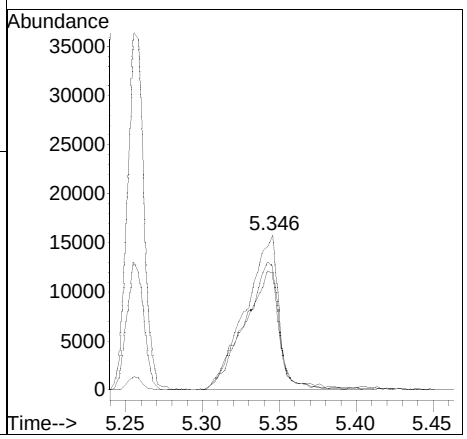


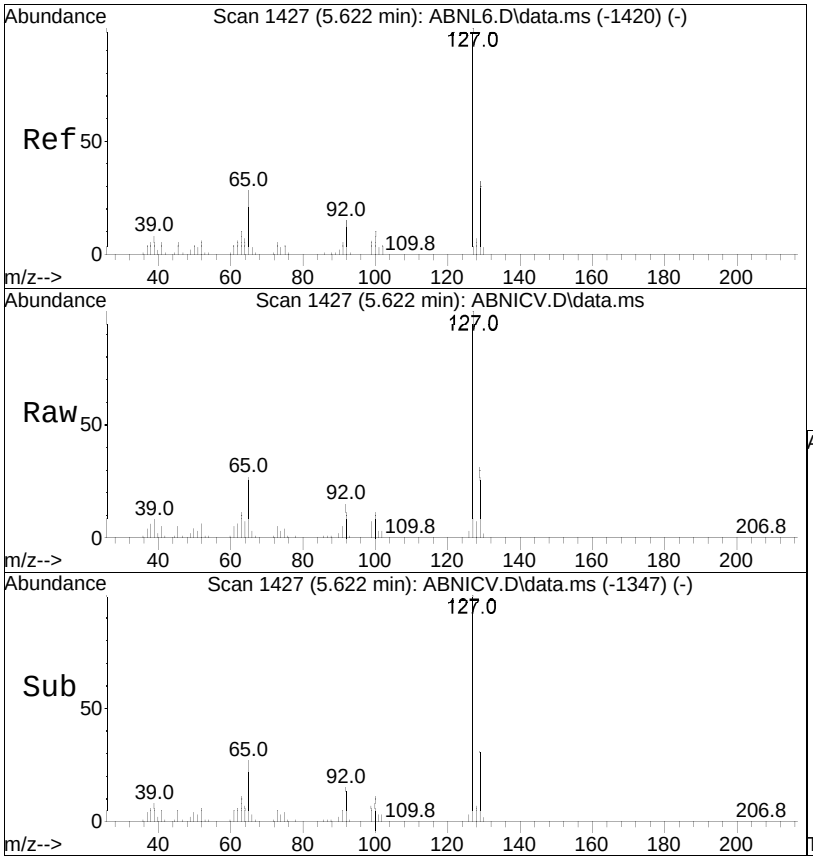


#39
Benzoic Acid
Concen: 3.83 ug/ml
RT: 5.346 min Scan# 1338
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:105 Resp: 24373

Ion	Ratio	Lower	Upper
105	100		
122	85.1	59.9	89.9
77	78.7	60.1	90.1

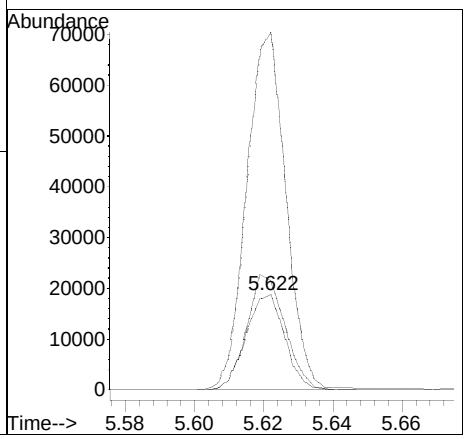


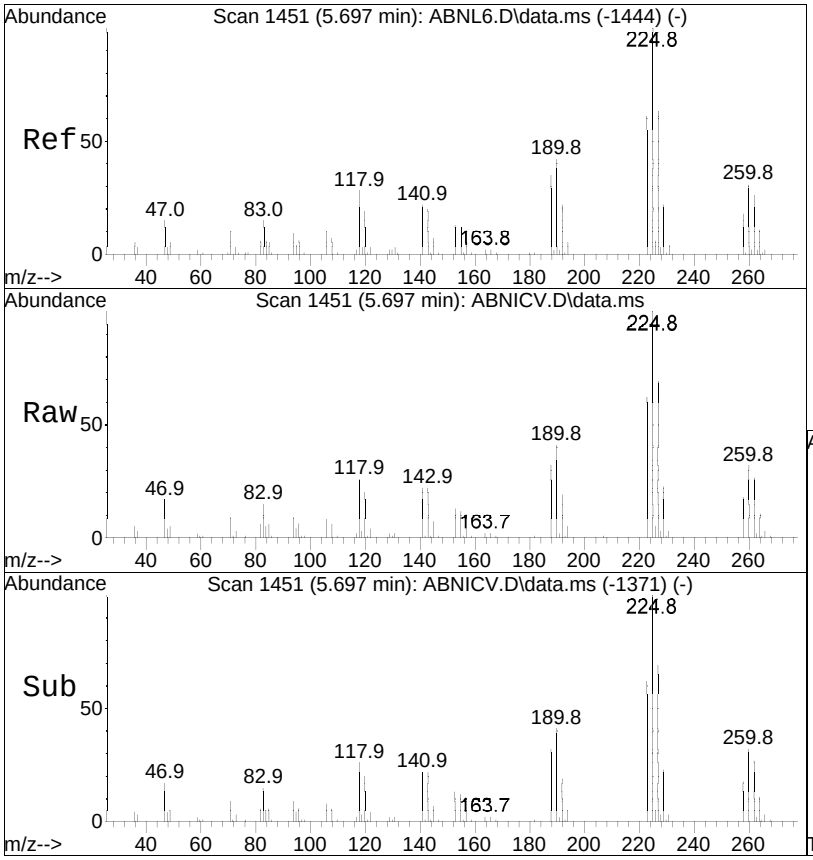


#40
4-Chloroaniline
Concen: 4.31 ug/ml
RT: 5.622 min Scan# 1427
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 65 Resp: 14569

Ion	Ratio	Lower	Upper
65	100		
127	377.7	237.6	356.4#
129	118.8	76.3	114.5#

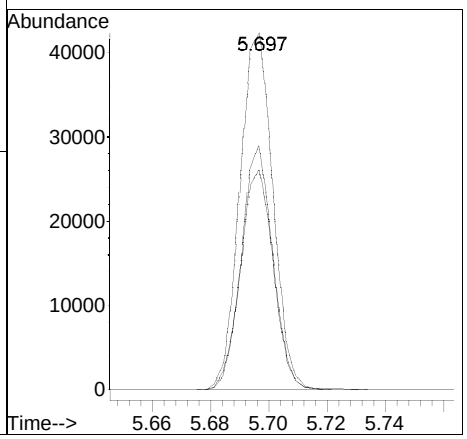


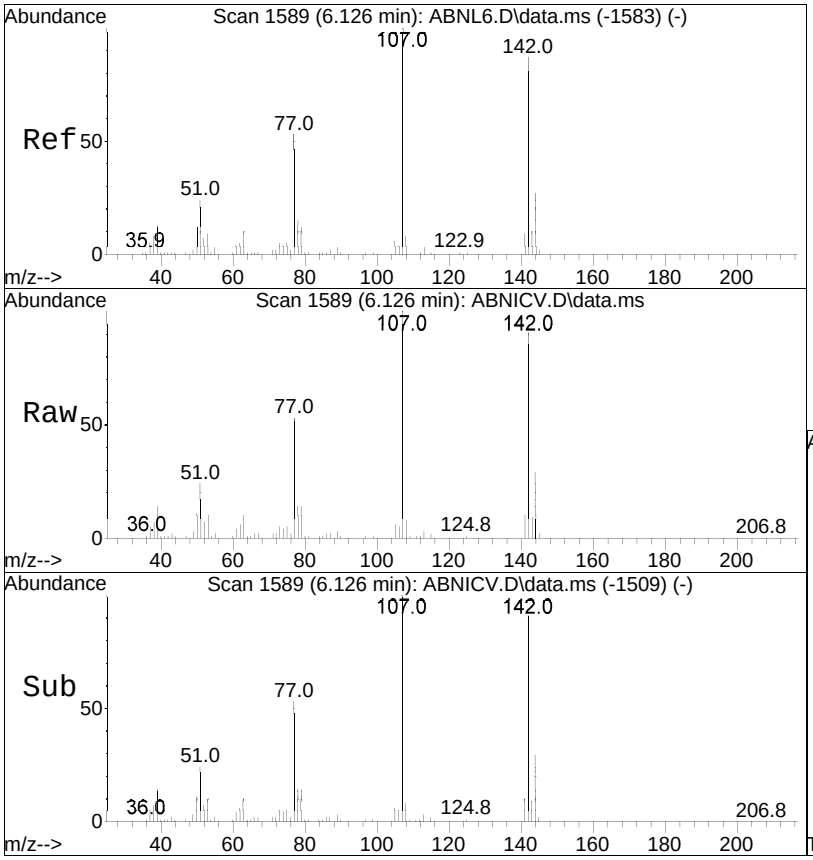


#41
Hexachlorobutadiene
Concen: 4.65 ug/ml
RT: 5.697 min Scan# 1451
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:225 Resp: 33536

Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.3	75.5
227	65.3	52.2	78.2

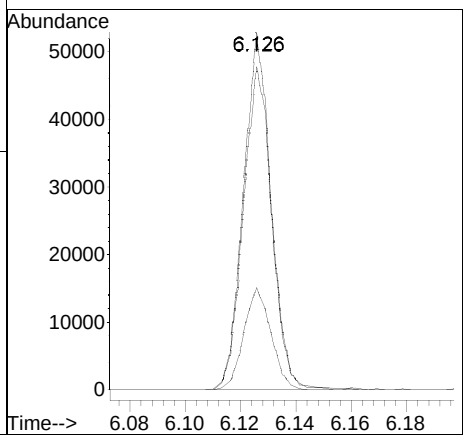


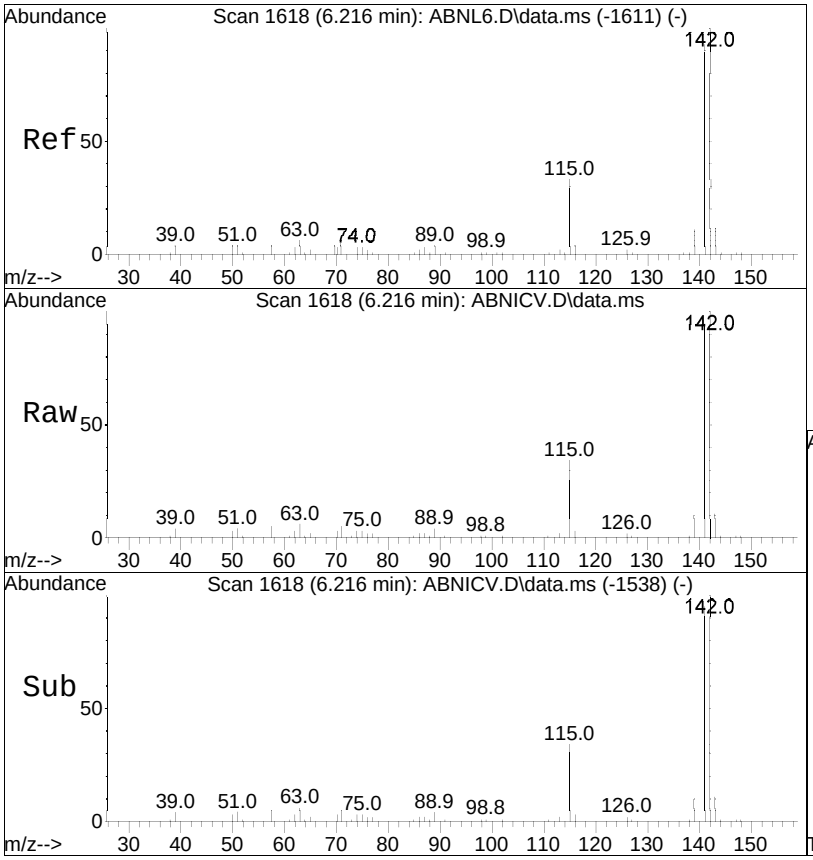


#42
p-Chloro-m-cresol
Concen: 4.51 ug/ml
RT: 6.126 min Scan# 1589
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:107 Resp: 36518

Ion	Ratio	Lower	Upper
107	100		
144	28.1	20.9	31.3
142	92.2	66.1	99.1

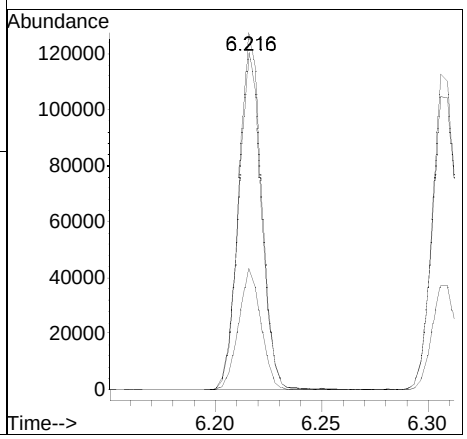


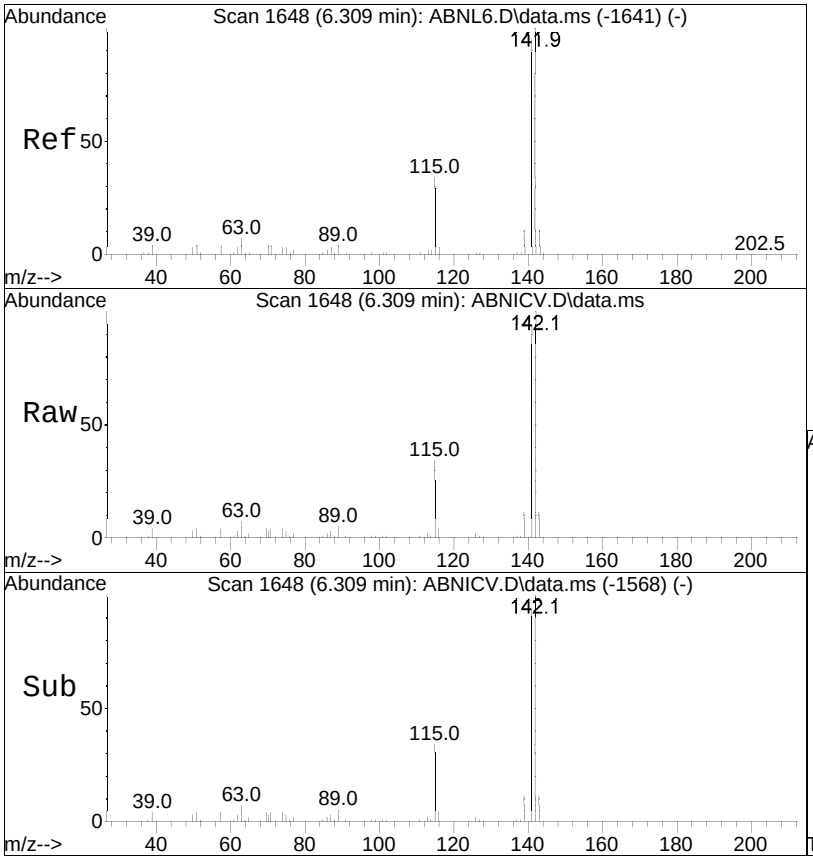


#43
2-Methylnaphthalene
Concen: 4.53 ug/ml
RT: 6.216 min Scan# 1618
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:142 Resp: 96343

Ion	Ratio	Lower	Upper
142	100		
141	93.0	69.6	104.4
115	33.1	26.6	40.0

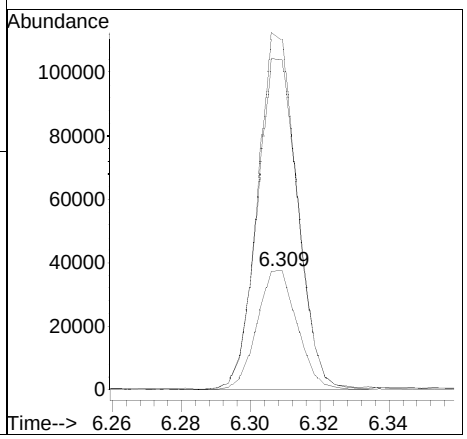


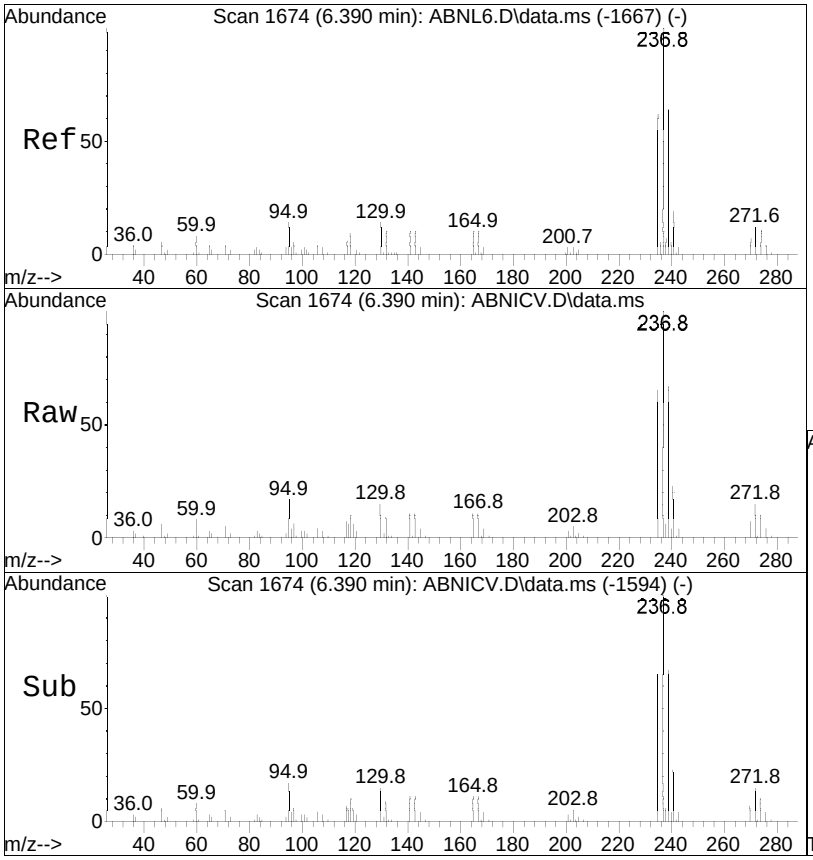


#44
1-Methylnaphthalene
Concen: 4.52 ug/ml
RT: 6.309 min Scan# 1648
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:115 Resp: 30554

Ion	Ratio	Lower	Upper
115	100		
141	278.0	207.8	311.6
142	291.9	226.8	340.2

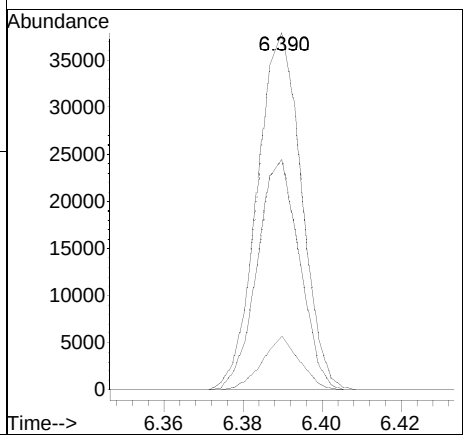


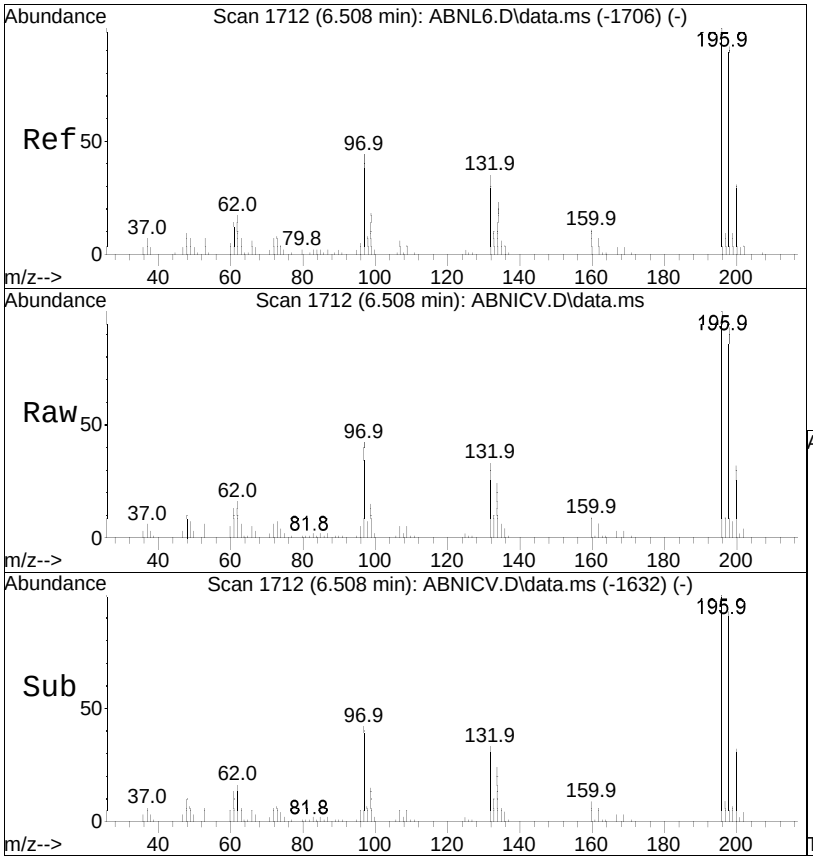


#45
Hexachlorocyclopentadiene
Concen: 3.87 ug/ml
RT: 6.390 min Scan# 1674
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:237 Resp: 29425

Ion	Ratio	Lower	Upper
237	100		
235	61.8	49.7	74.5
272	12.8	9.8	14.6

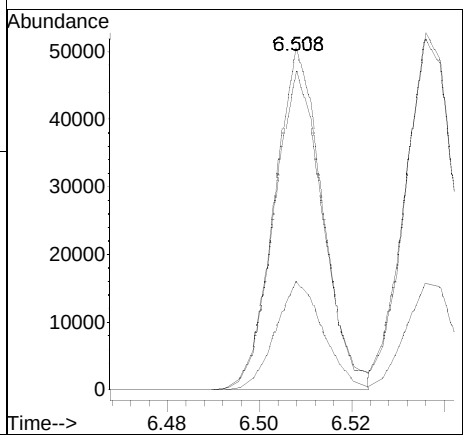


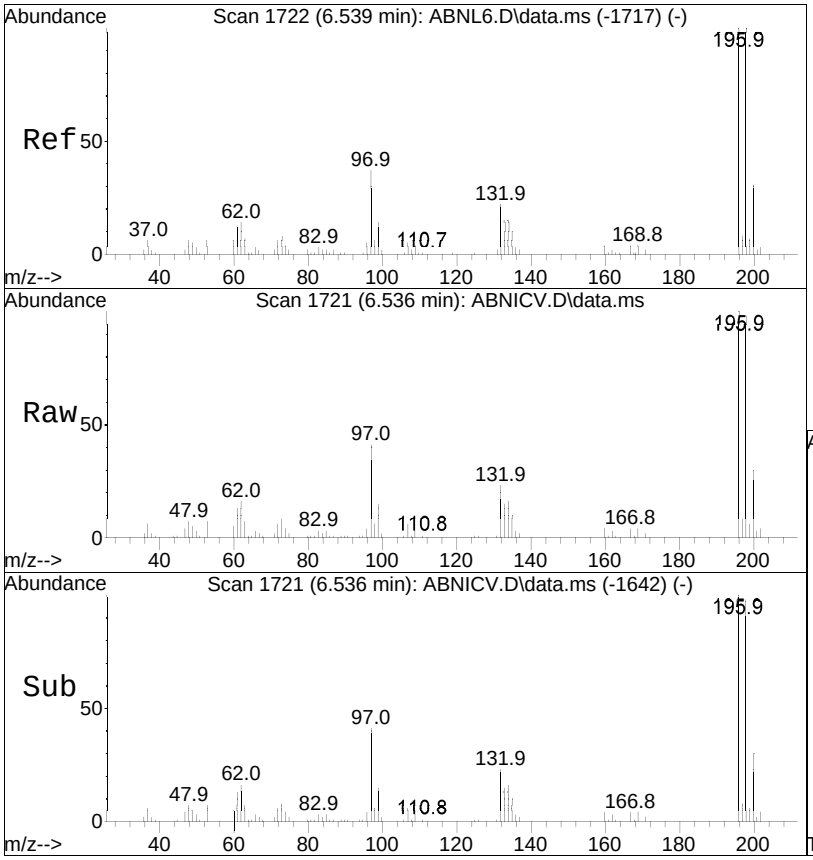


#46
2,4,6-Trichlorophenol
Concen: 4.58 ug/ml
RT: 6.508 min Scan# 1712
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:196 Resp: 36634

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.5	116.3
200	31.6	23.8	35.6

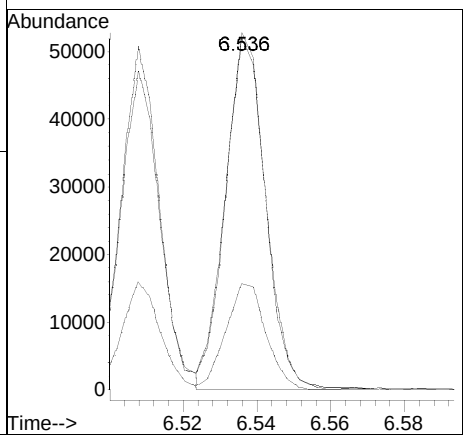


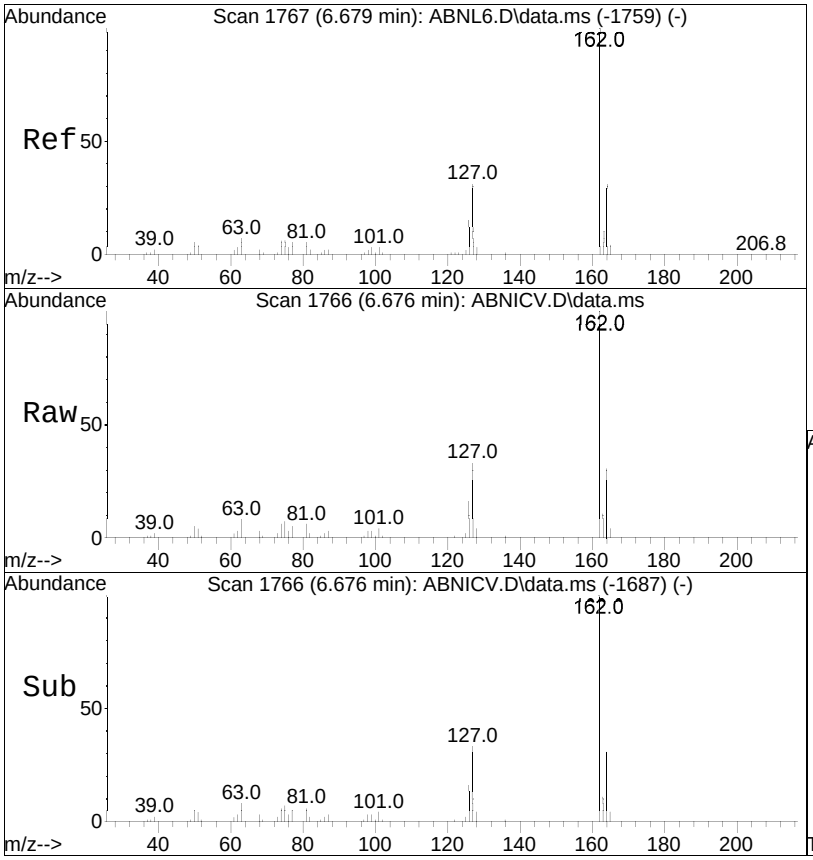


#47
2,4,5-Trichlorophenol
Concen: 4.43 ug/ml
RT: 6.536 min Scan# 1721
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:196 Resp: 39640

Ion	Ratio	Lower	Upper
196	100		
200	30.1	25.4	38.0
198	98.2	78.0	117.0

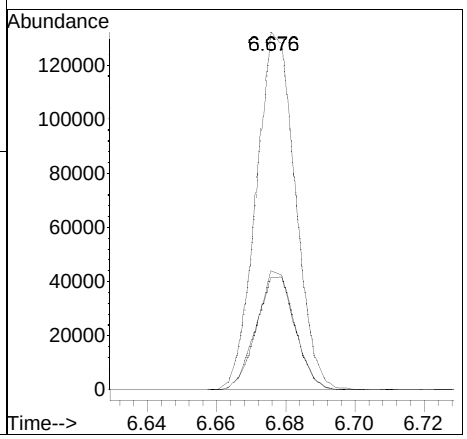


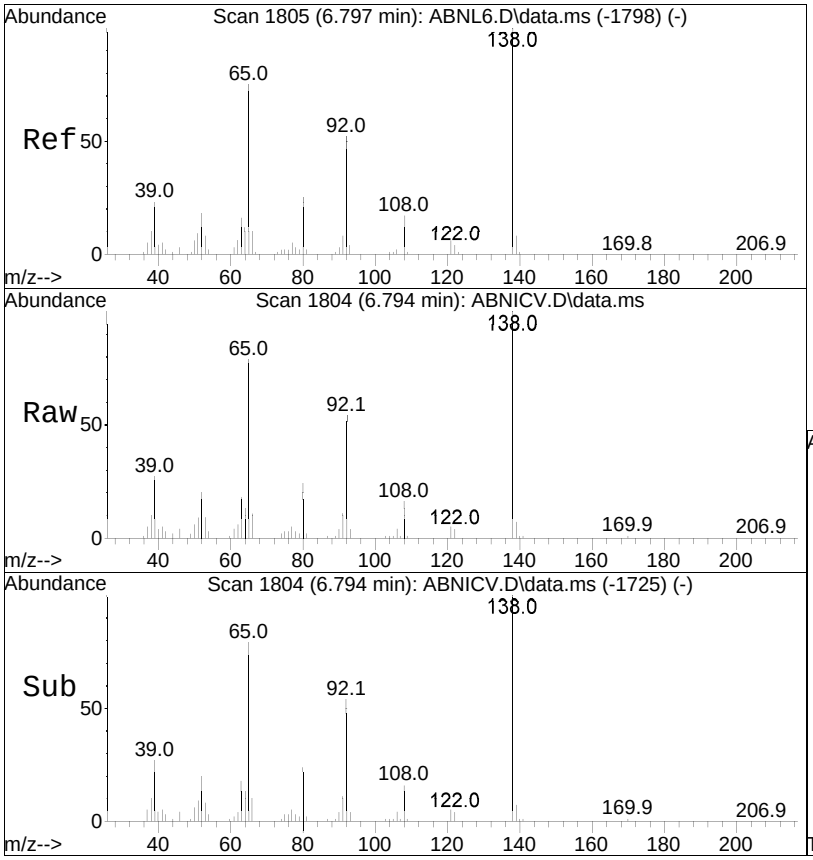


#49
2-Chloronaphthalene
Concen: 4.33 ug/ml
RT: 6.676 min Scan# 1766
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:162 Resp: 103138

Ion	Ratio	Lower	Upper
162	100		
127	32.6	32.2	48.4
164	31.6	25.7	38.5

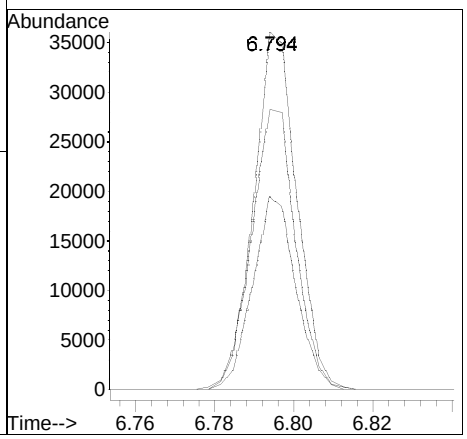


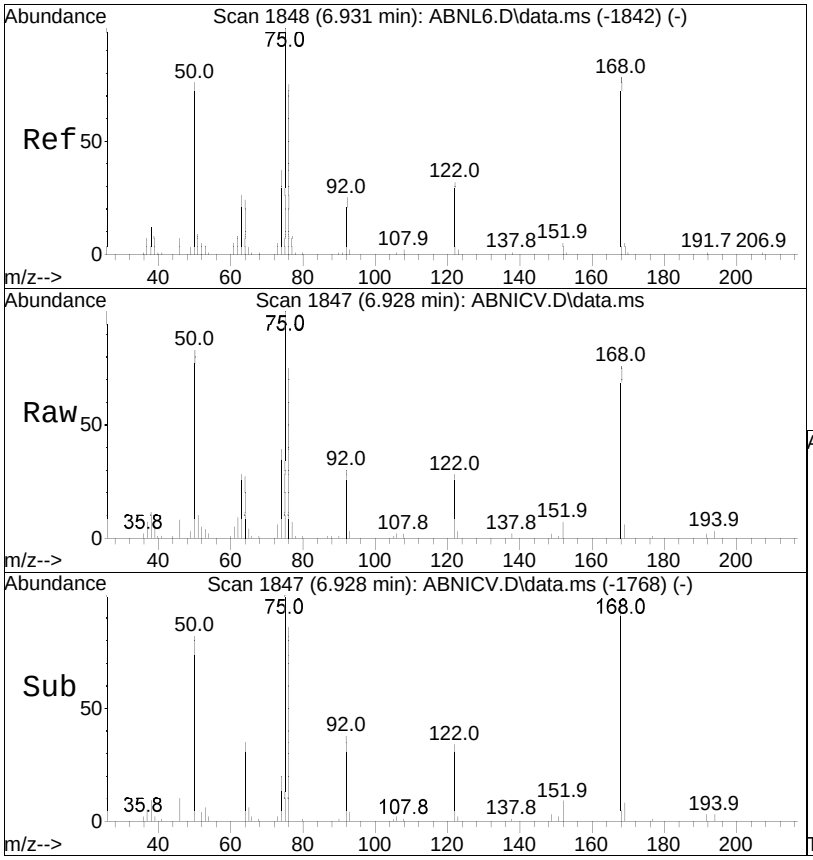


#50
2-Nitroaniline
Concen: 4.45 ug/ml
RT: 6.794 min Scan# 1804
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 27096

Ion	Ratio	Lower	Upper
138	100		
92	54.3	53.5	80.3
65	80.7	86.3	129.5#

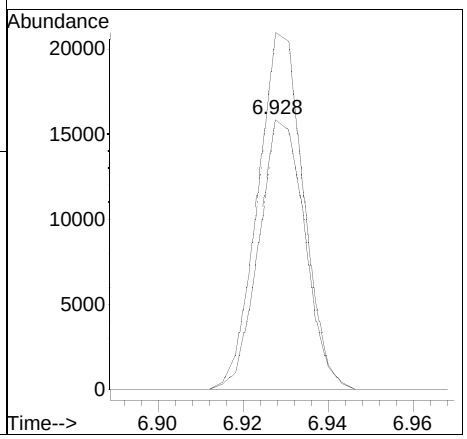


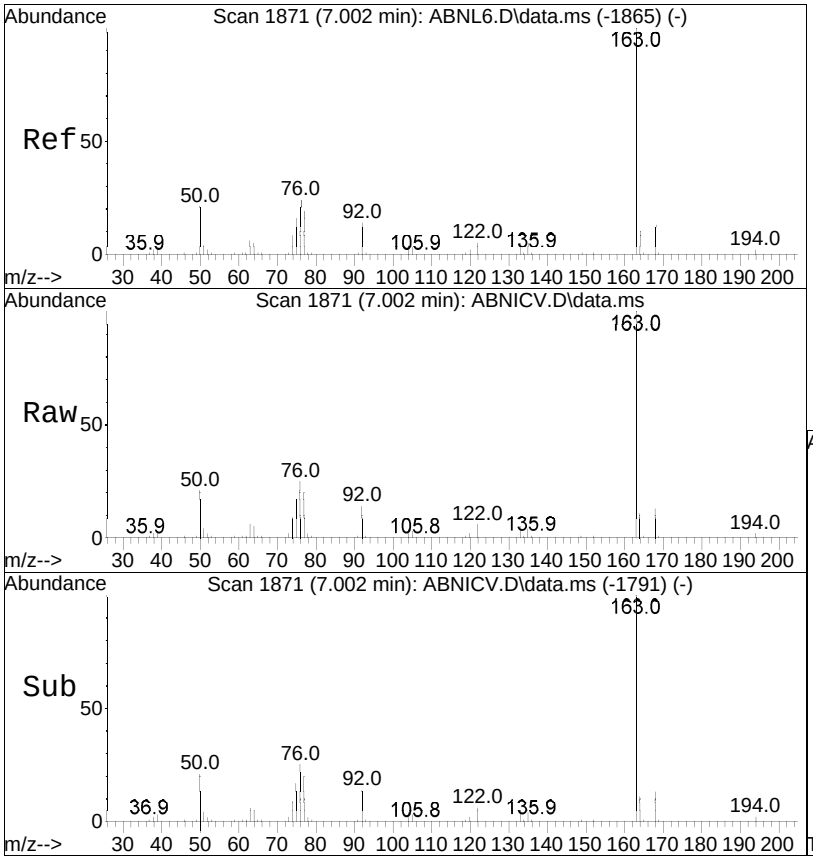


#51
1,4-Dinitrobenzene
Concen: 4.50 ug/ml
RT: 6.928 min Scan# 1847
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 11911

Ion	Ratio	Lower	Upper
168	100		
75	131.0	121.8	182.8

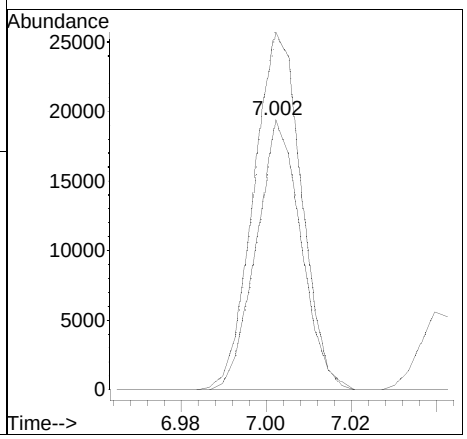


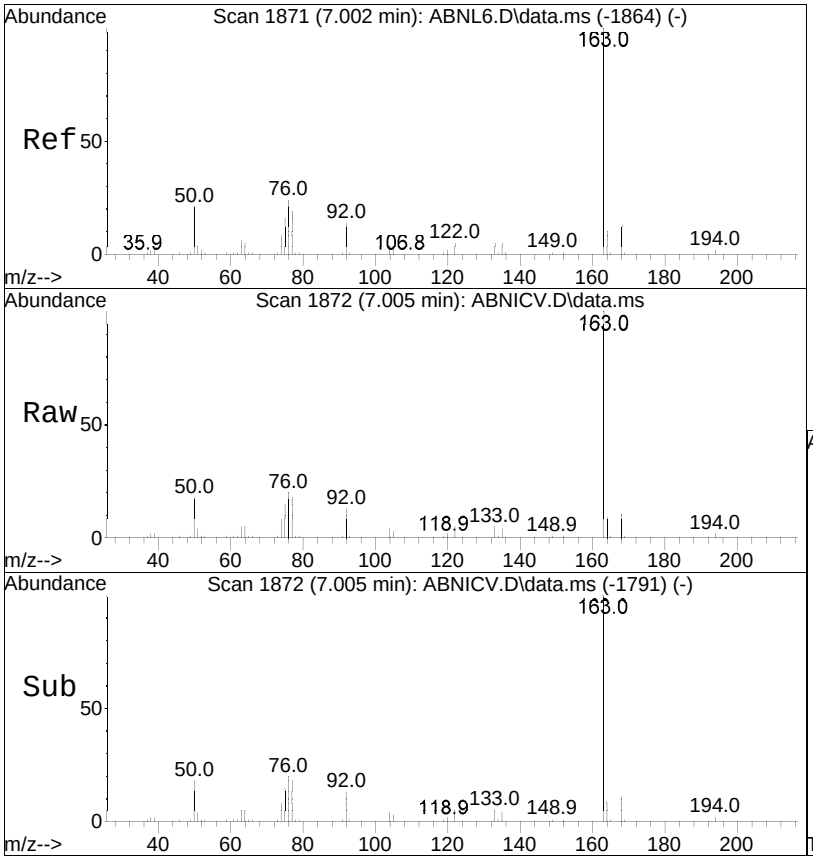


#52
1,3-Dinitrobenzene
Concen: 4.43 ug/ml
RT: 7.002 min Scan# 1871
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 14057

Ion	Ratio	Lower	Upper
168	100		
75	141.5	22.7	34.1#

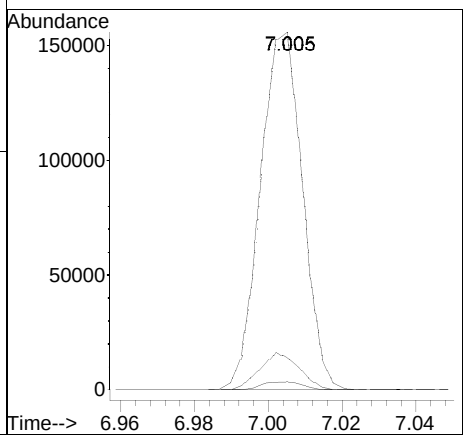


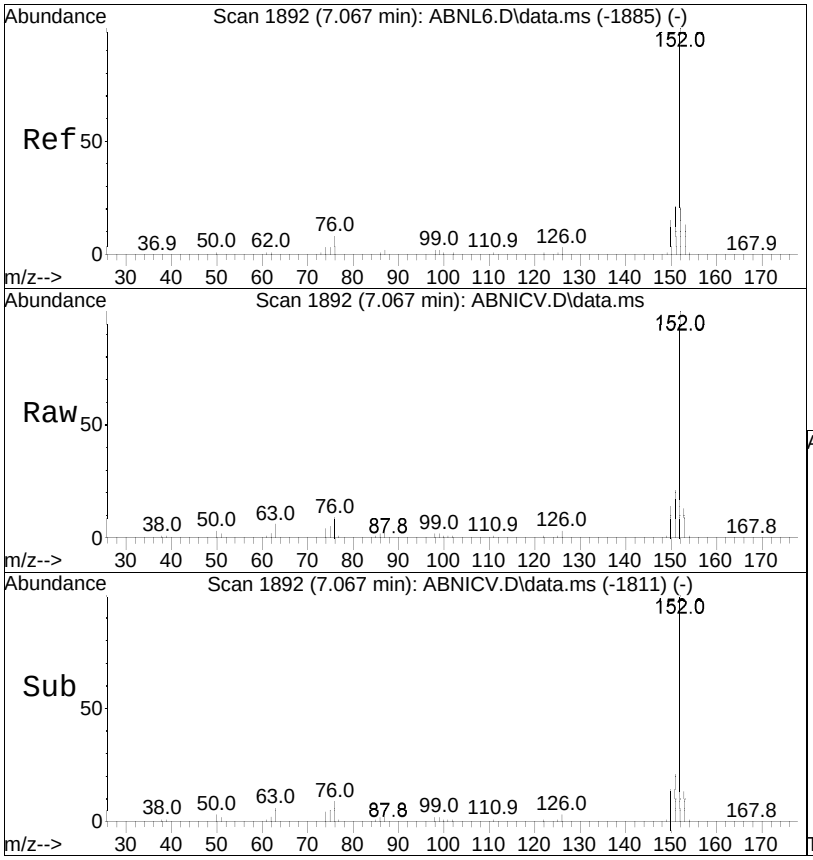


#53
Dimethyl phthalate
Concen: 4.44 ug/ml
RT: 7.005 min Scan# 1872
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:163 Resp: 122829

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	9.9	7.9	11.9

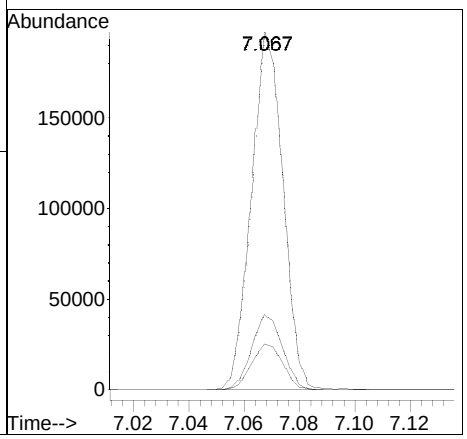


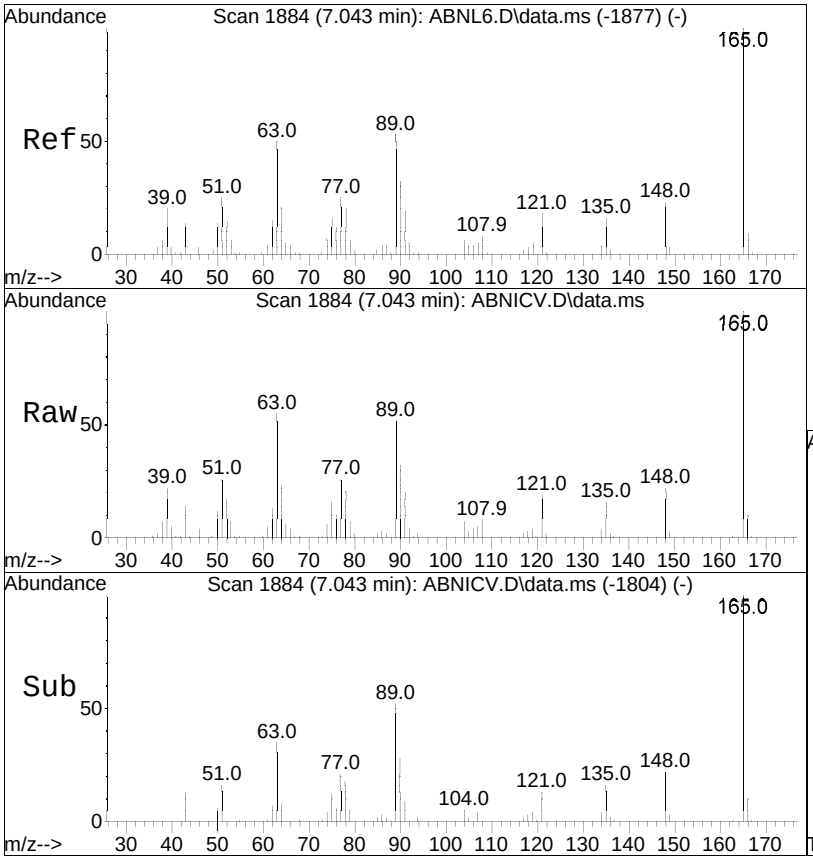


#54
Acenaphthylene
Concen: 4.44 ug/ml
RT: 7.067 min Scan# 1892
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:152 Resp: 155180

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	12.8	10.5	15.7

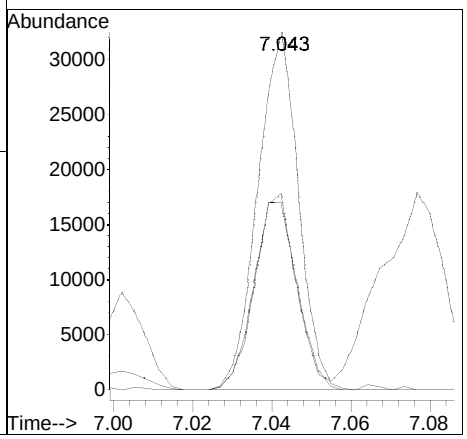


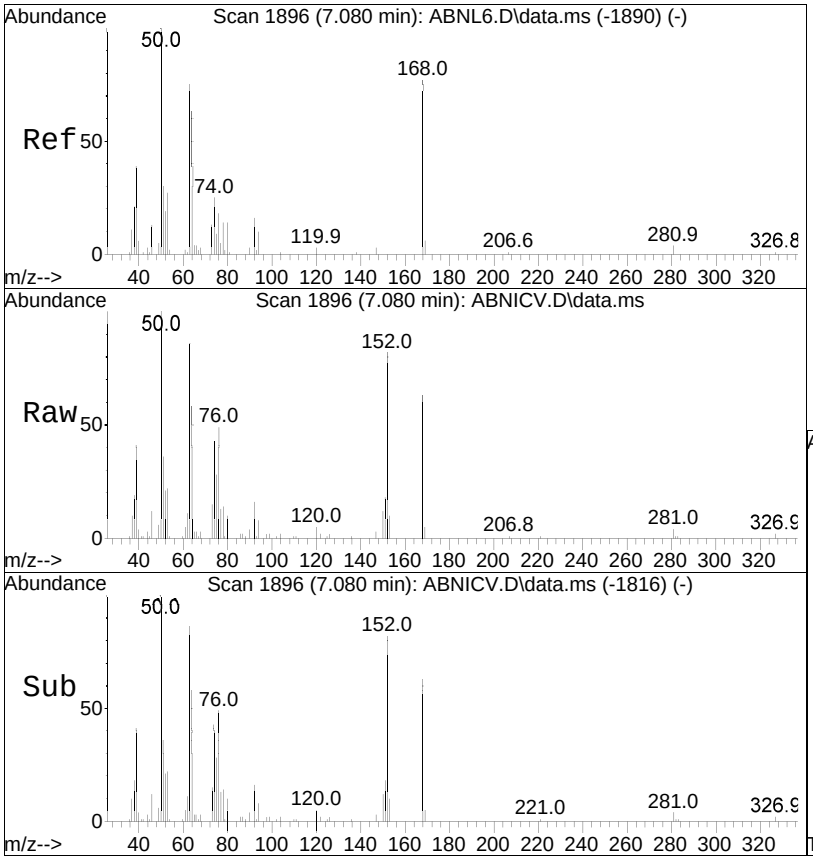


#55
2,6-Dinitrotoluene
Concen: 4.50 ug/ml
RT: 7.043 min Scan# 1884
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:165 Resp: 23242

Ion	Ratio	Lower	Upper
165	100		
89	55.9	54.2	81.2
63	56.7	64.2	96.2#

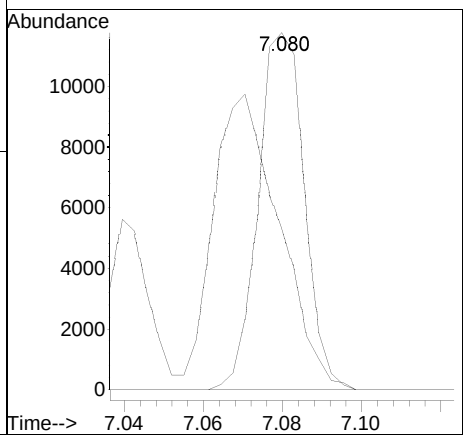


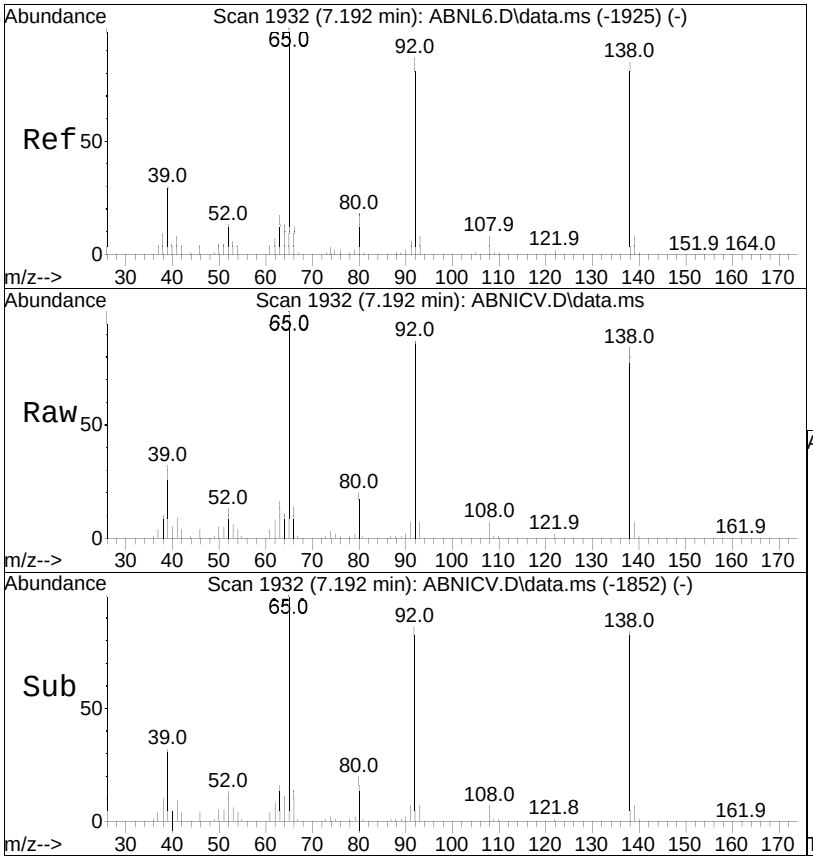


#56
1,2-Dinitrobenzene
Concen: 5.13 ug/ml
RT: 7.080 min Scan# 1896
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 9499

Ion	Ratio	Lower	Upper
168	100		
75	118.0	30.9	46.3#

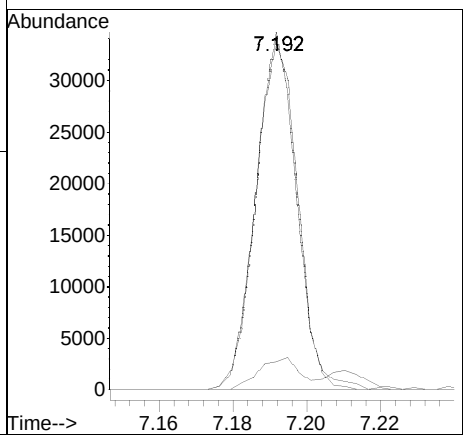


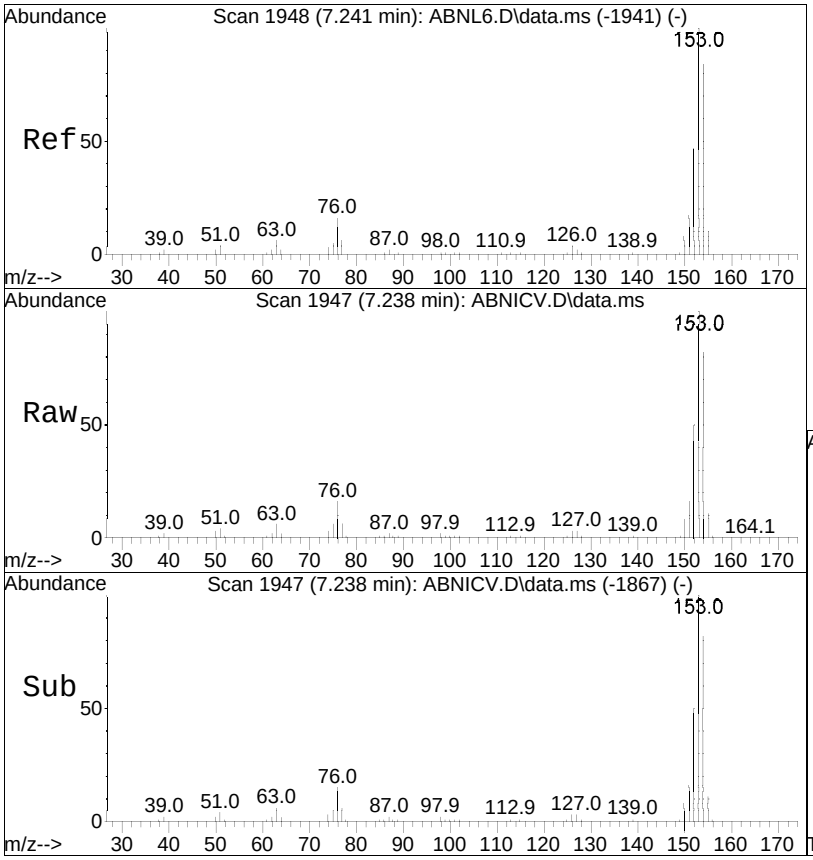


#66
3-Nitroaniline
Concen: 4.70 ug/ml
RT: 7.192 min Scan# 1932
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 26098

Ion	Ratio	Lower	Upper
138	100		
92	100.6	93.4	140.2
108	9.1	9.5	14.3#

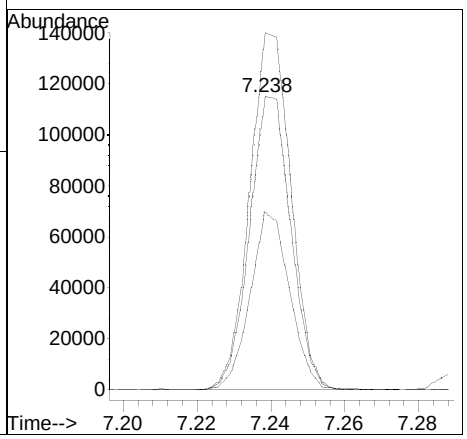


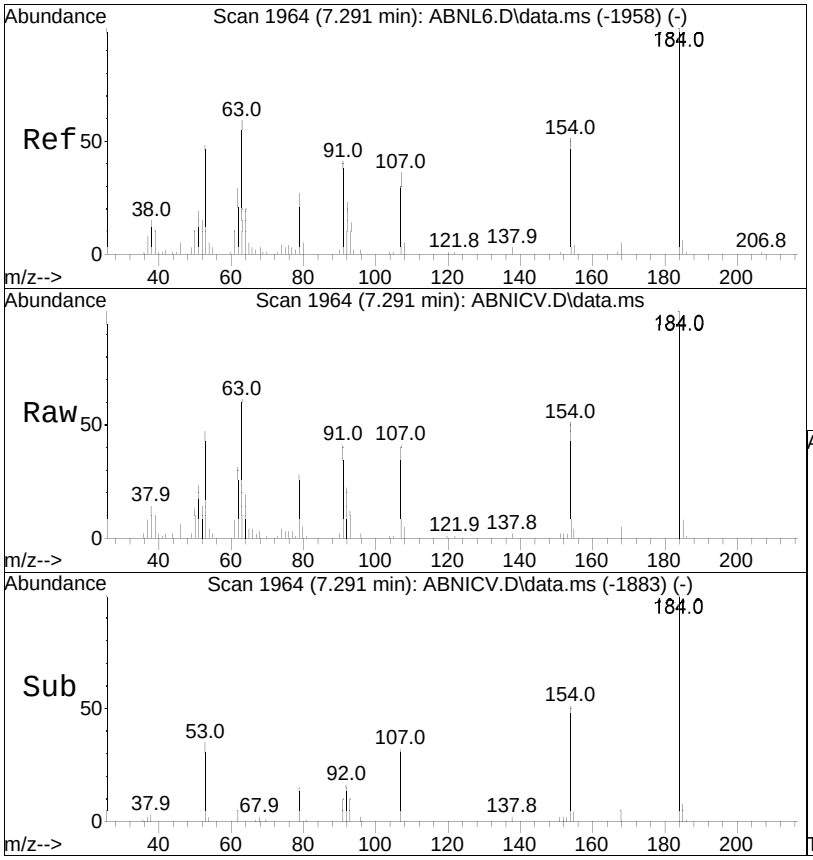


#67
Acenaphthene
Concen: 4.27 ug/ml
RT: 7.238 min Scan# 1947
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:154 Resp: 89205

Ion	Ratio	Lower	Upper
154	100		
153	122.2	85.3	127.9
152	58.1	41.4	62.0

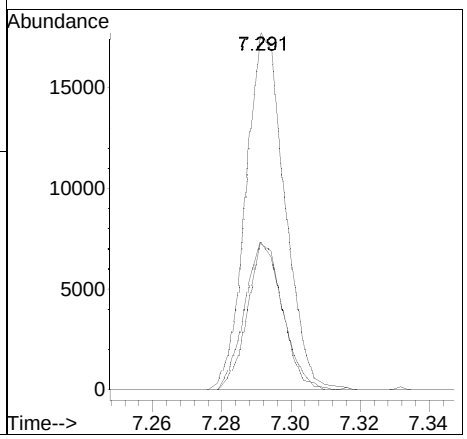


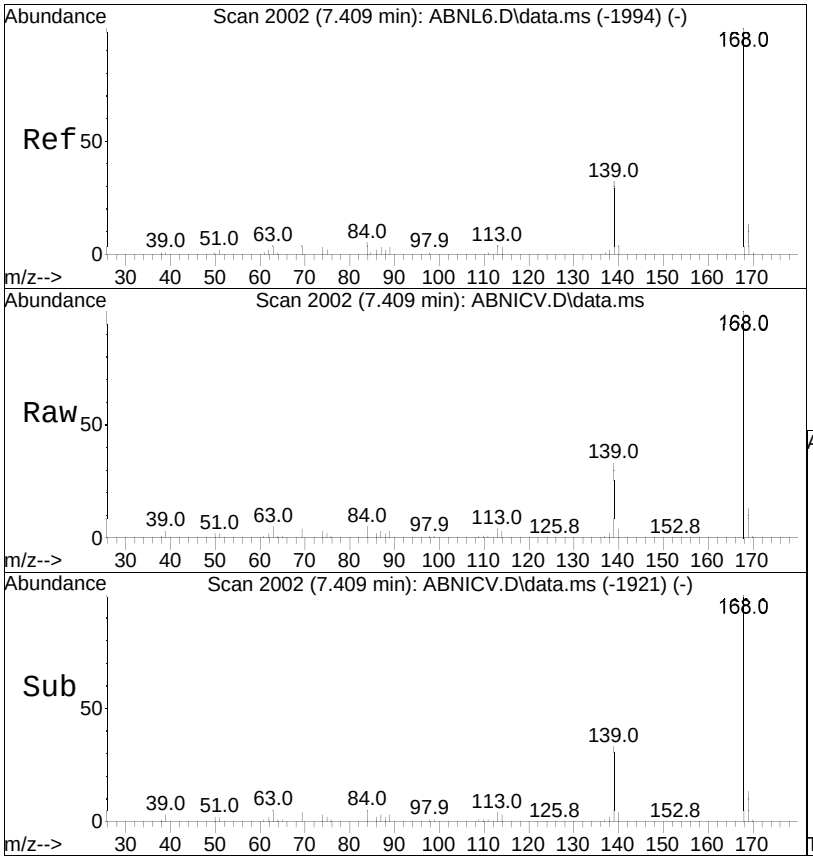


#68
2,4-Dinitrophenol
Concen: 4.13 ug/ml
RT: 7.291 min Scan# 1964
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:184 Resp: 13757

Ion	Ratio	Lower	Upper
184	100		
107	38.0	37.7	56.5
91	39.9	46.3	69.5#

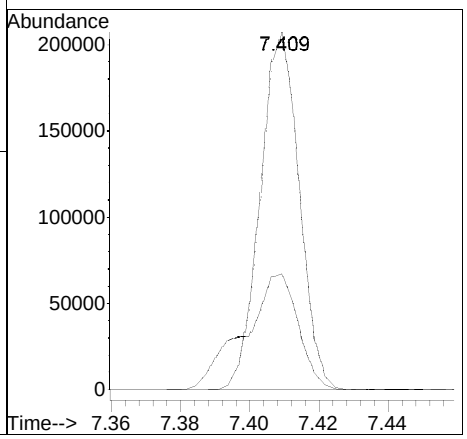


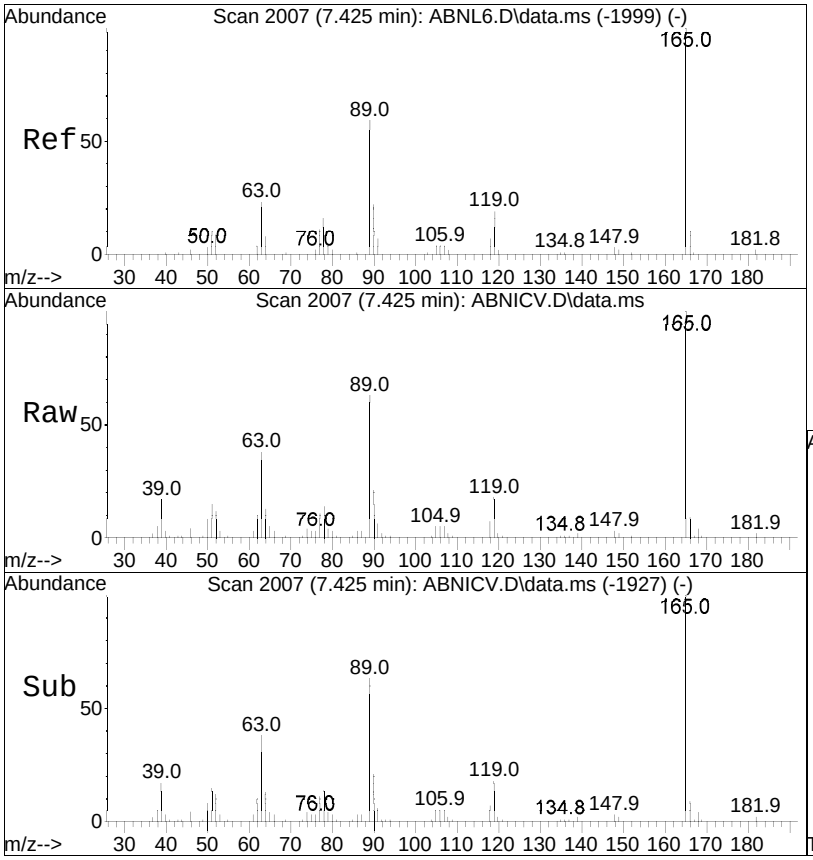


#69
Dibenzofuran
Concen: 4.45 ug/ml
RT: 7.409 min Scan# 2002
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 160445

Ion	Ratio	Lower	Upper
168	100		
139	45.7	31.4	47.2

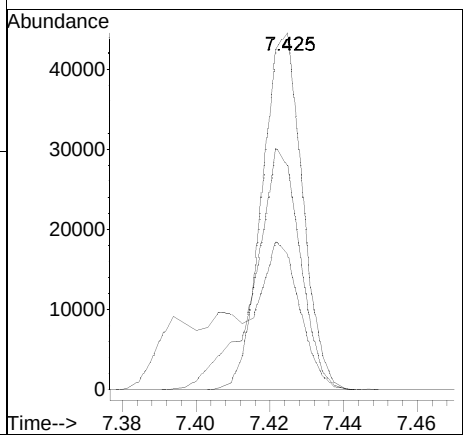


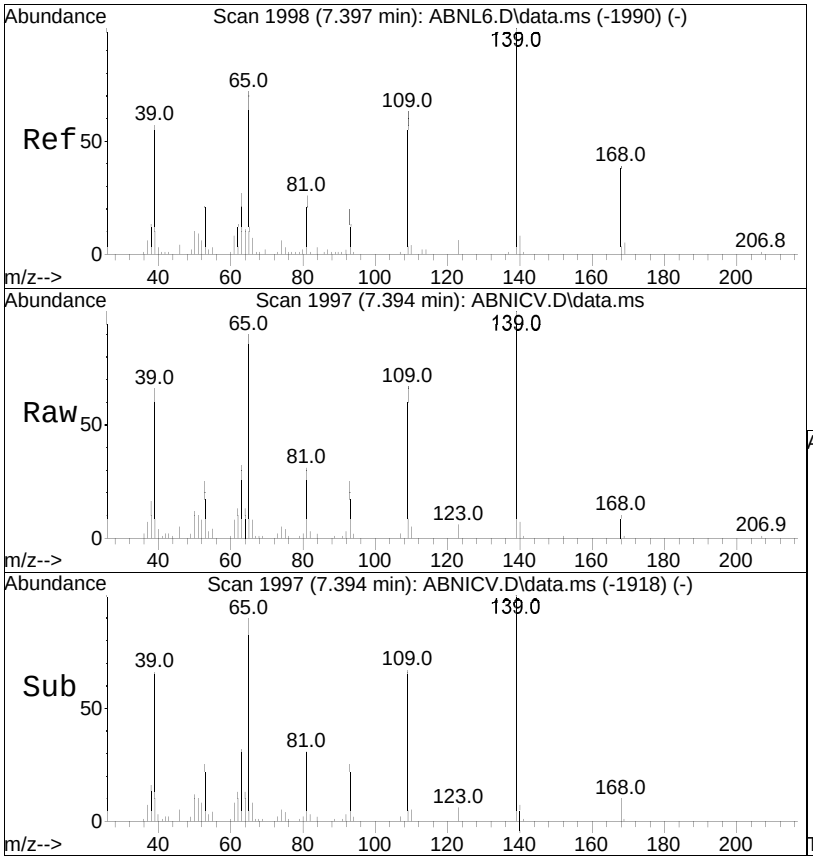


#70
2,4-Dinitrotoluene
Concen: 4.84 ug/ml
RT: 7.425 min Scan# 2007
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:165 Resp: 33658

Ion	Ratio	Lower	Upper
165	100		
89	77.6	72.0	108.0
63	41.9	52.7	79.1#

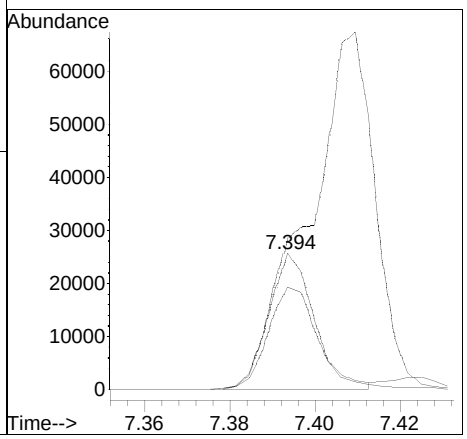


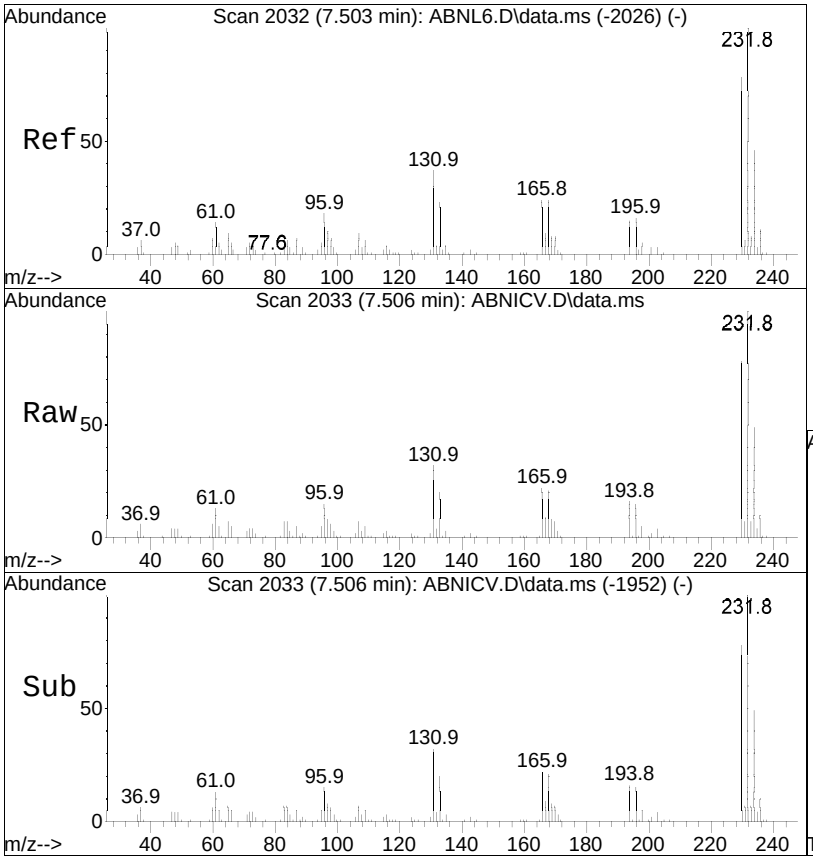


#71
4-Nitrophenol
Concen: 4.67 ug/ml
RT: 7.394 min Scan# 1997
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 65 Resp: 19325

Ion	Ratio	Lower	Upper
65	100		
109	81.5	47.4	71.2#
139	0.0	76.6	115.0#

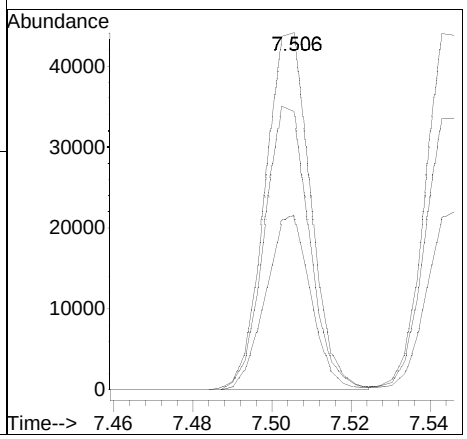


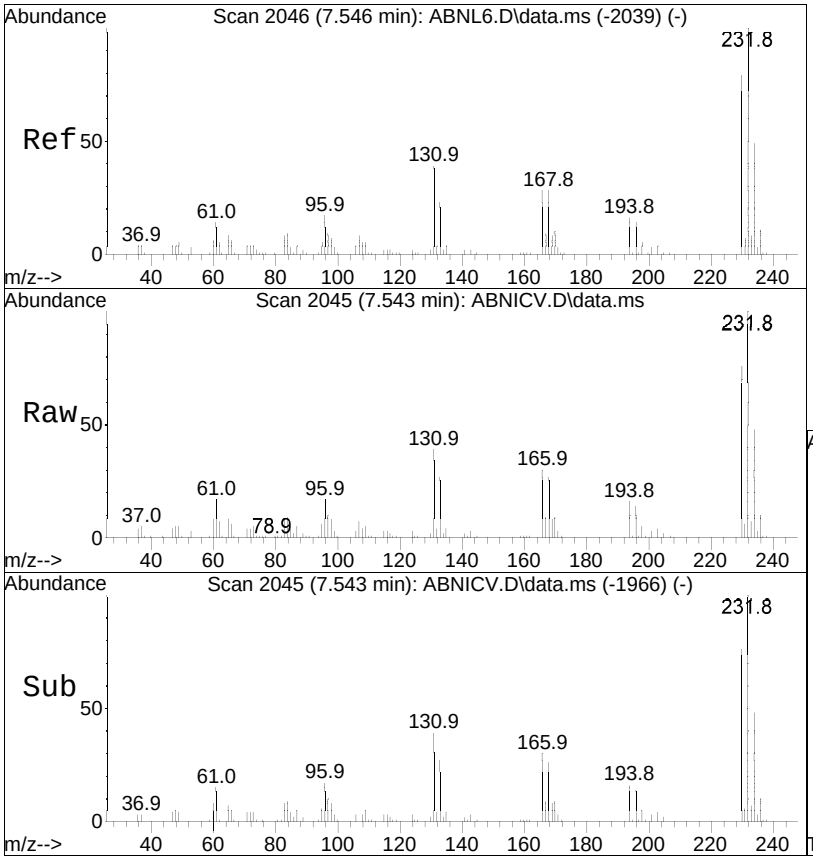


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.52 ug/ml
RT: 7.506 min Scan# 2033
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:232 Resp: 35437

Ion	Ratio	Lower	Upper
232	100		
230	78.3	64.2	96.4
234	48.2	38.1	57.1

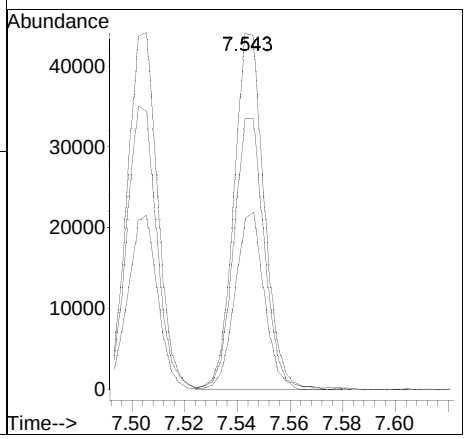


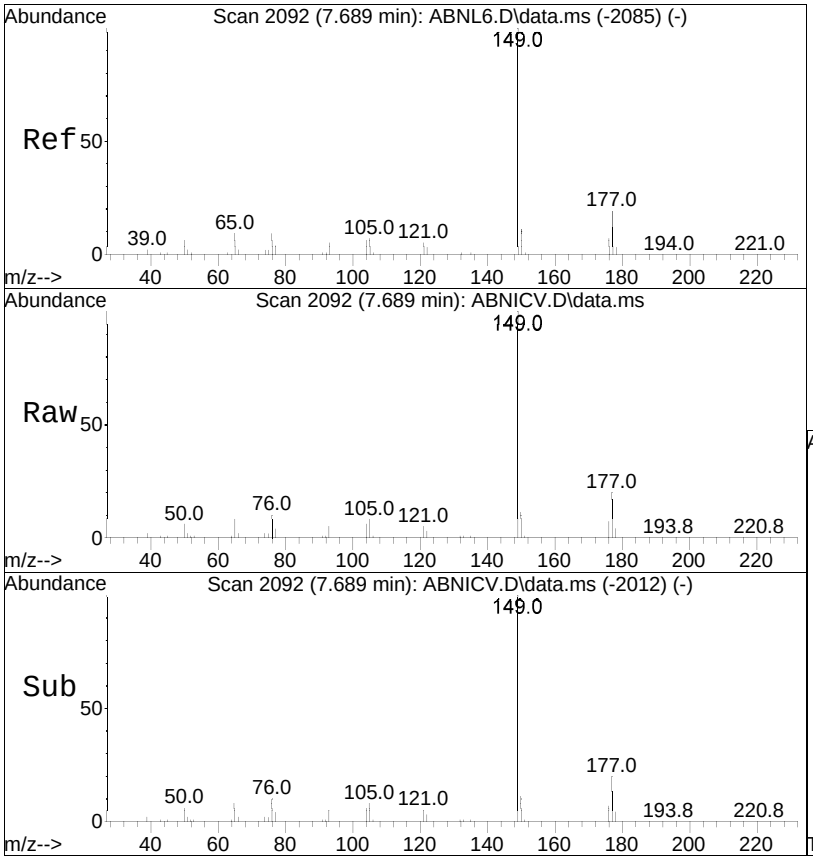


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.63 ug/ml
RT: 7.543 min Scan# 2045
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:232 Resp: 35578

Ion	Ratio	Lower	Upper
232	100		
230	76.6	61.8	92.8
234	47.2	36.2	54.2

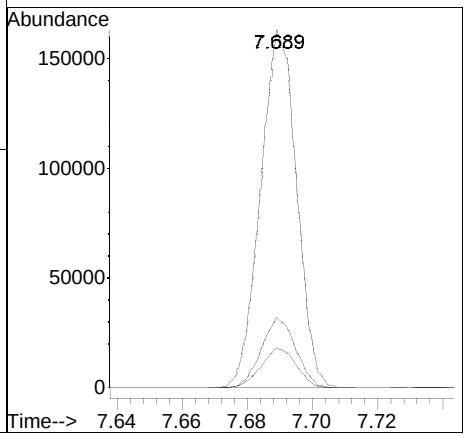


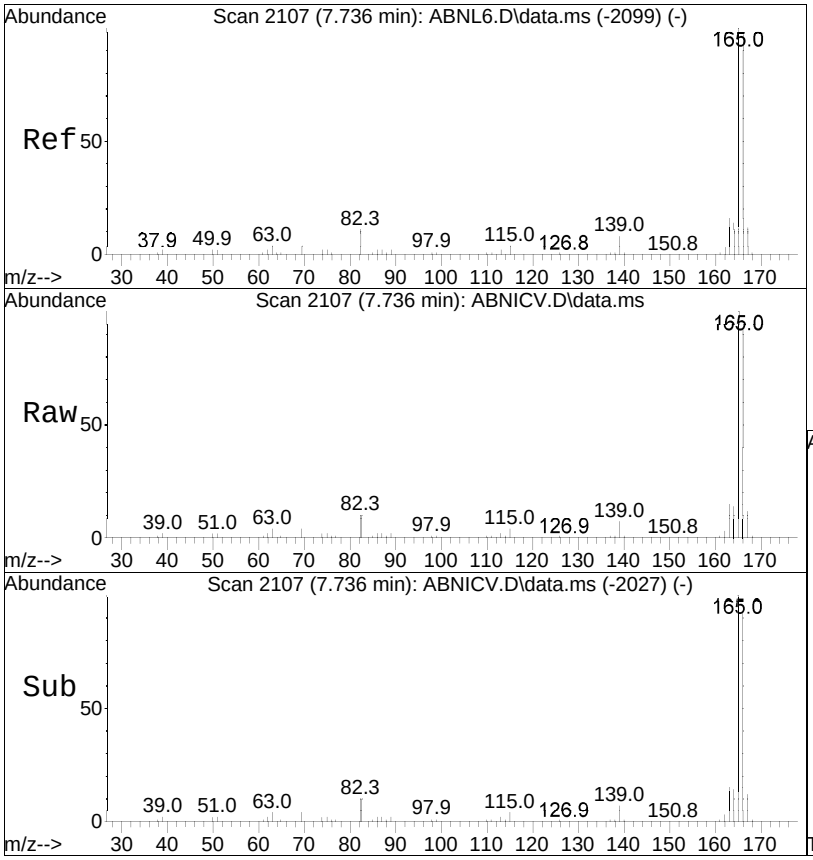


#74
Diethyl phthalate
Concen: 4.38 ug/ml
RT: 7.689 min Scan# 2092
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 123901

Ion	Ratio	Lower	Upper
149	100		
177	18.9	16.1	24.1
150	11.2	9.4	14.2

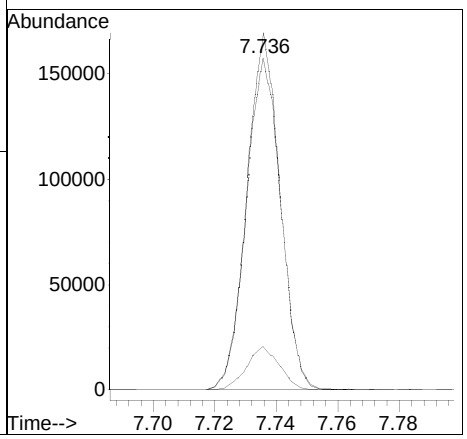


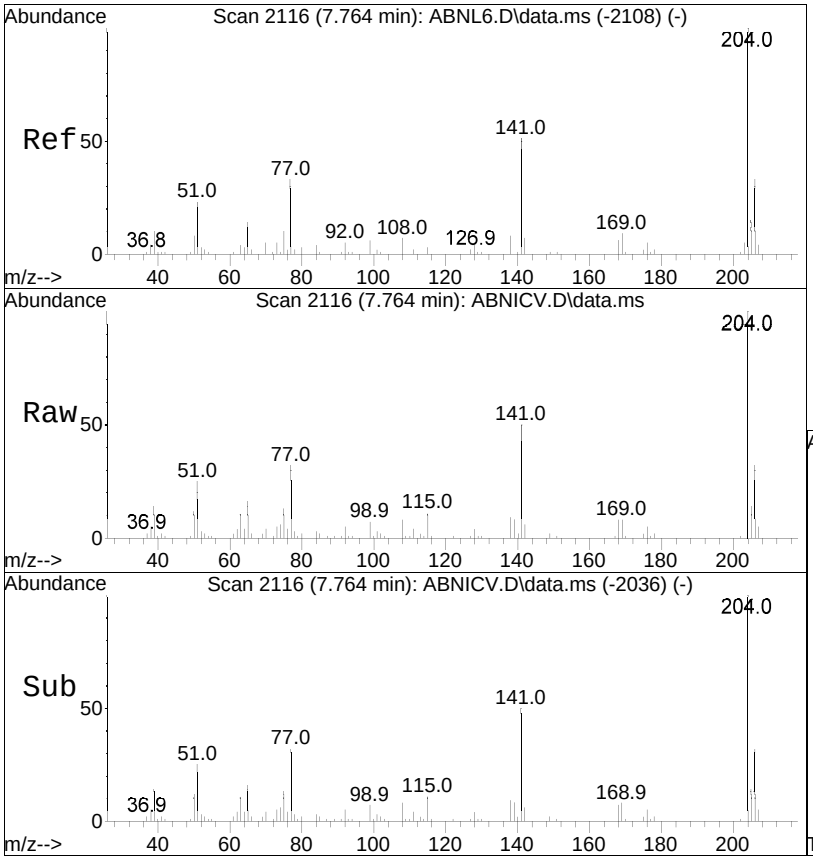


#75
Fluorene
Concen: 4.42 ug/ml
RT: 7.736 min Scan# 2107
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:166 Resp: 122050

Ion	Ratio	Lower	Upper
166	100		
165	104.2	76.2	114.2
167	12.5	10.6	15.8

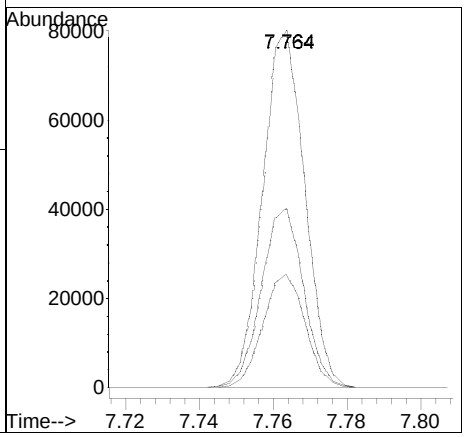


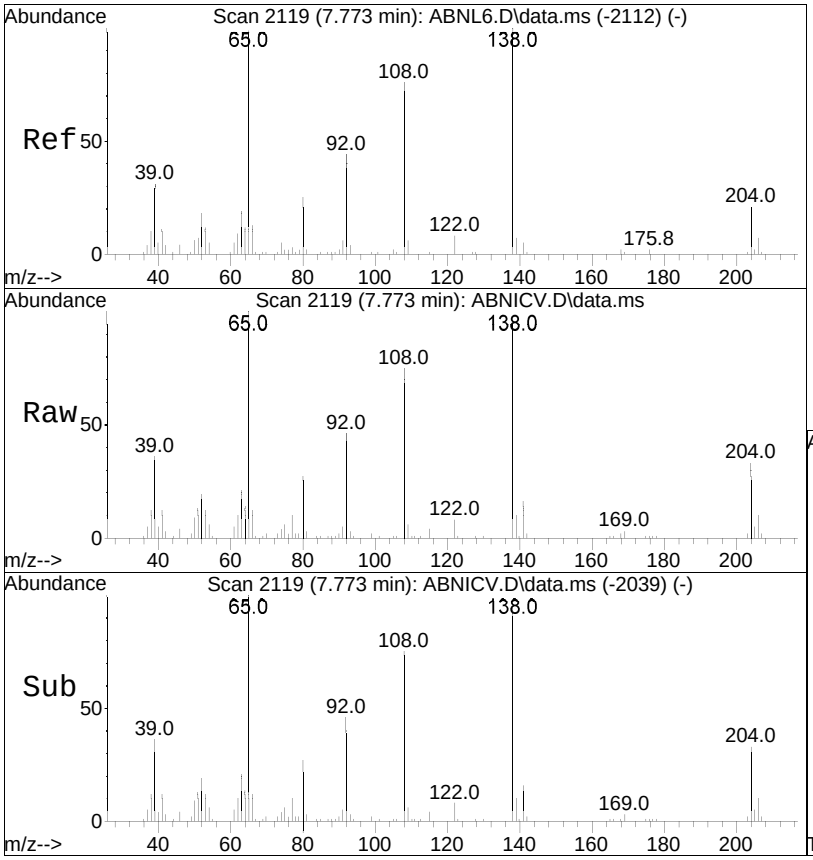


#76
4-Chlorophenyl phenyl ether
Concen: 4.43 ug/ml
RT: 7.764 min Scan# 2116
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:204 Resp: 63042

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.6
141	50.4	53.6	80.4#

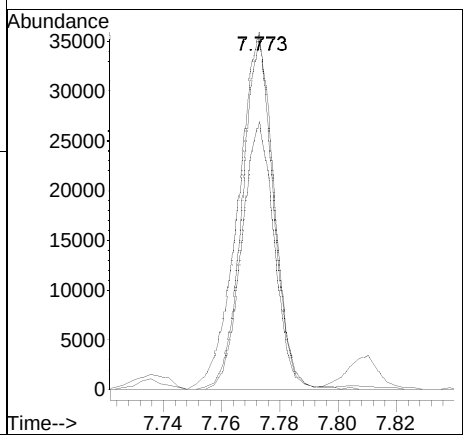


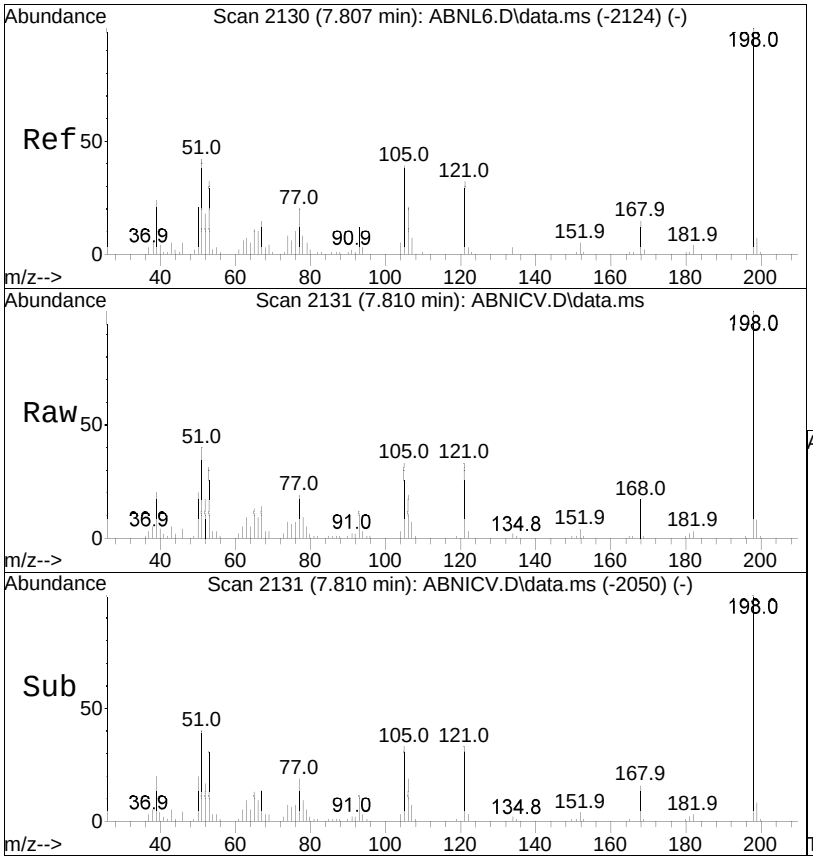


#77
4-Nitroaniline
Concen: 5.02 ug/ml
RT: 7.773 min Scan# 2119
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 26907

Ion	Ratio	Lower	Upper
138	100		
108	77.2	52.1	78.1
65	111.2	115.0	172.6#

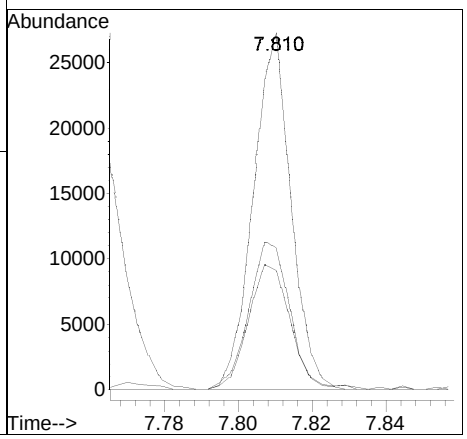


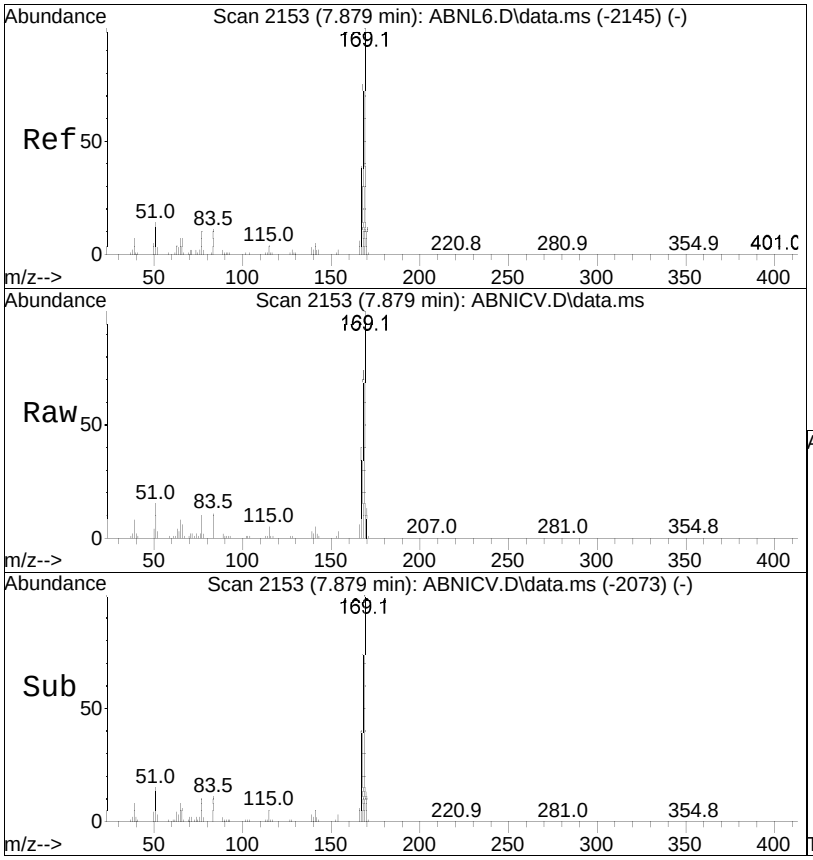


#78
4,6-Dinitro-o-cresol
Concen: 4.61 ug/ml
RT: 7.810 min Scan# 2131
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:198 Resp: 19382

Ion	Ratio	Lower	Upper
198	100		
51	45.2	76.0	114.0#
105	38.6	45.6	68.4#

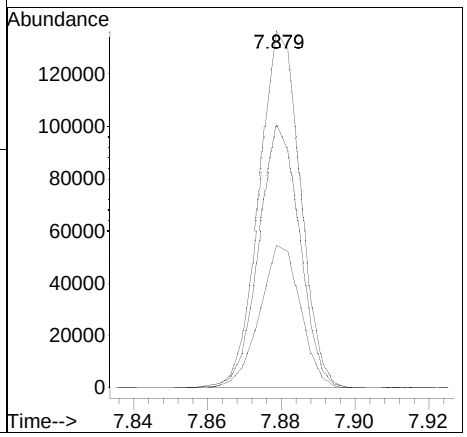


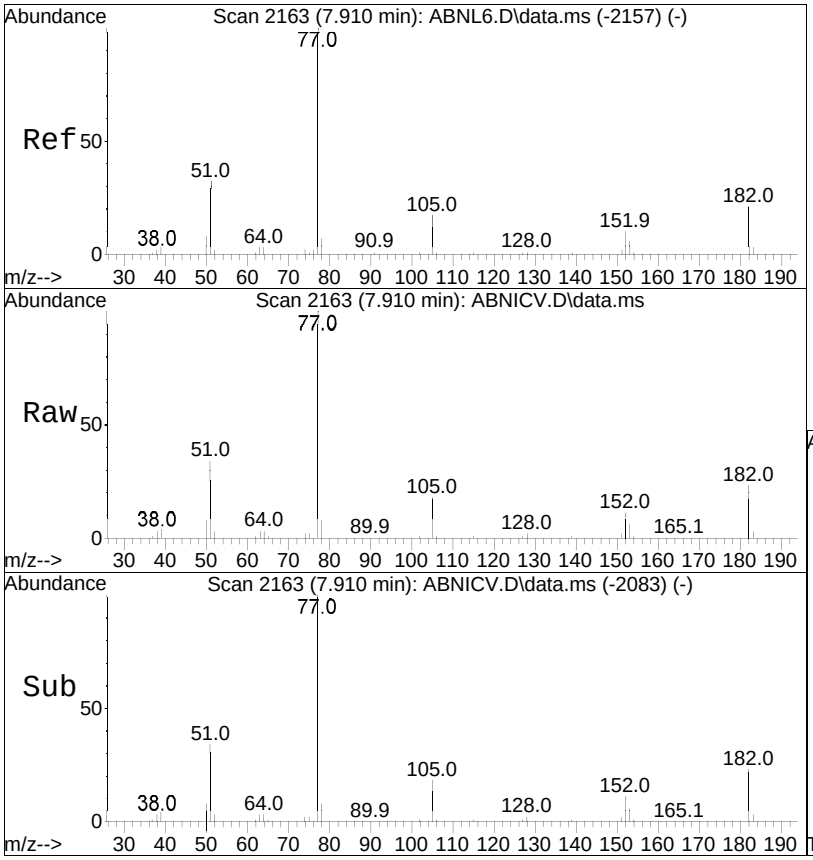


#79
NDPA/DPA
Concen: 4.40 ug/ml
RT: 7.879 min Scan# 2153
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:169 Resp: 105614

Ion	Ratio	Lower	Upper
169	100		
168	73.5	54.0	81.0
167	39.9	28.6	42.8

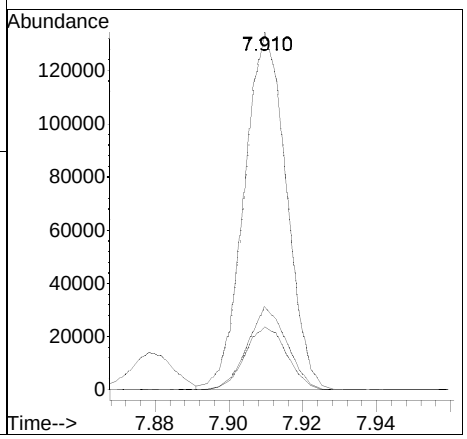


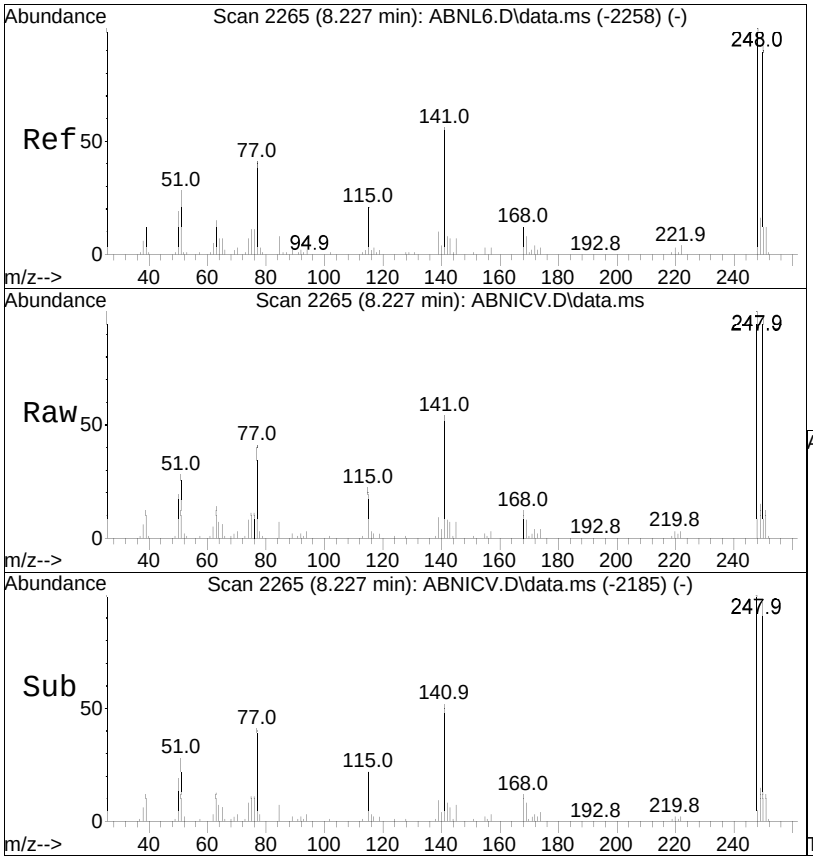


#80
Azobenzene
Concen: 4.60 ug/ml
RT: 7.910 min Scan# 2163
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 77 Resp: 105841

Ion	Ratio	Lower	Upper
77	100		
182	21.9	17.4	26.2
105	17.7	15.4	23.2

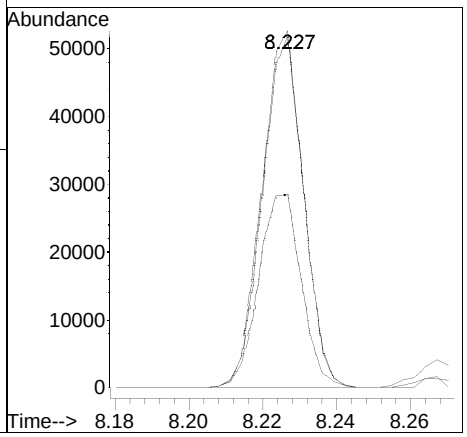


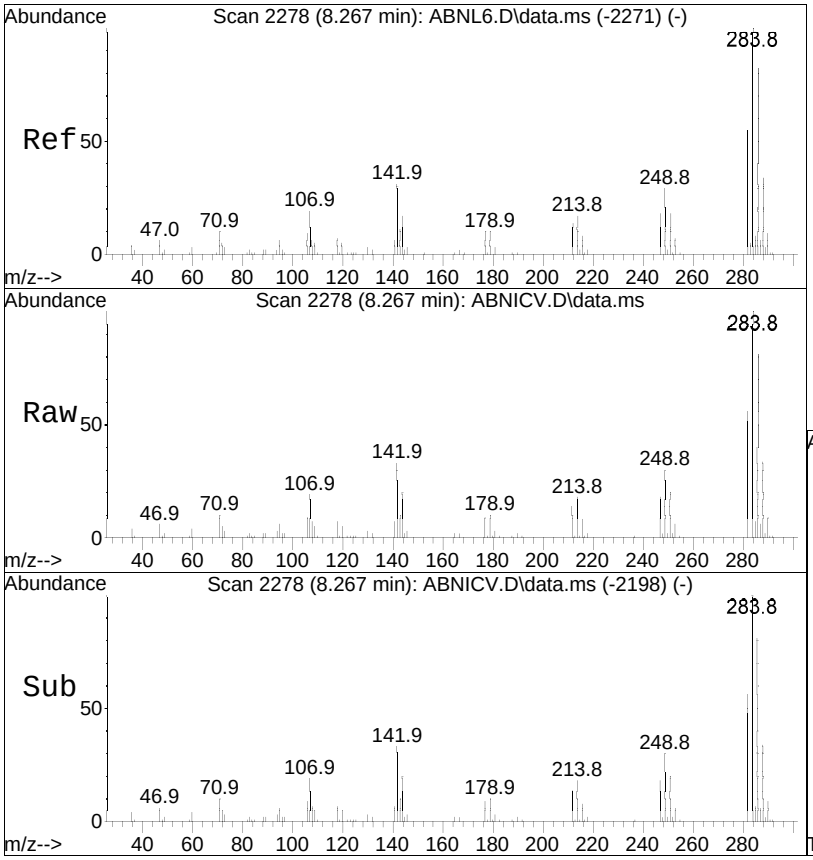


#82
4-Bromophenyl phenyl ether
Concen: 4.36 ug/ml
RT: 8.227 min Scan# 2265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:248 Resp: 40811

Ion	Ratio	Lower	Upper
248	100		
141	55.8	76.6	114.8#
250	97.2	77.3	115.9

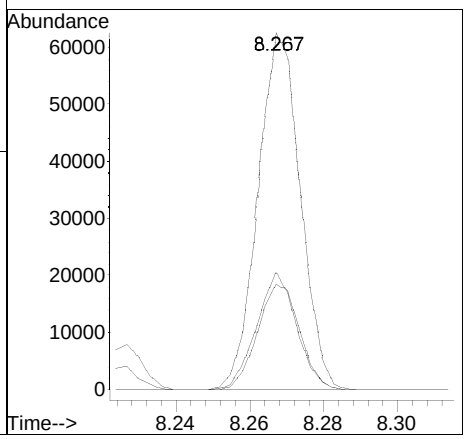


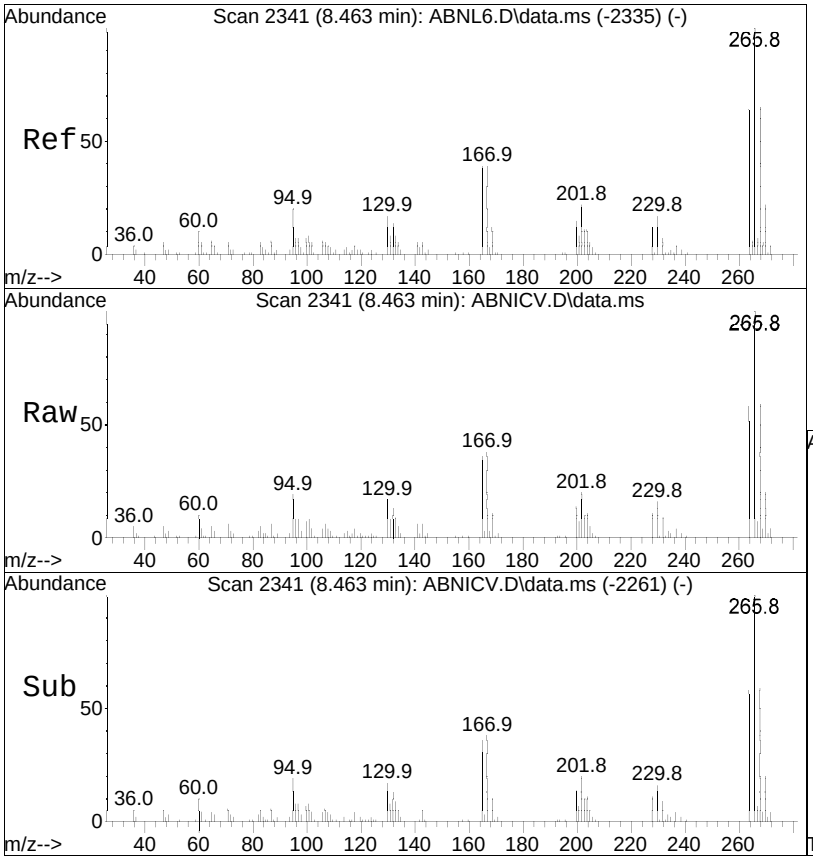


#83
Hexachlorobenzene
Concen: 4.21 ug/ml
RT: 8.267 min Scan# 2278
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:284 Resp: 49668

Ion	Ratio	Lower	Upper
284	100		
142	31.2	41.9	62.9#
249	29.5	24.1	36.1

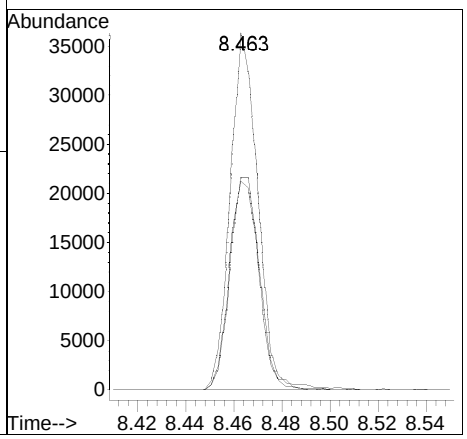


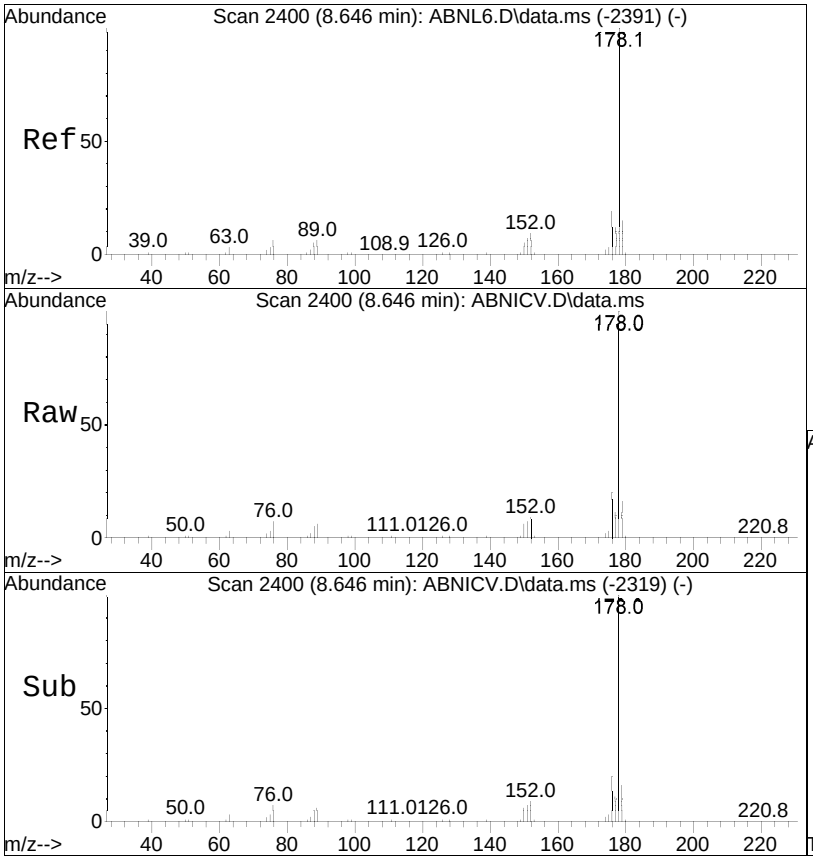


#84
Pentachlorophenol
Concen: 4.55 ug/ml
RT: 8.463 min Scan# 2341
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:266 Resp: 29051

Ion	Ratio	Lower	Upper
266	100		
264	62.1	49.7	74.5
268	63.9	50.5	75.7

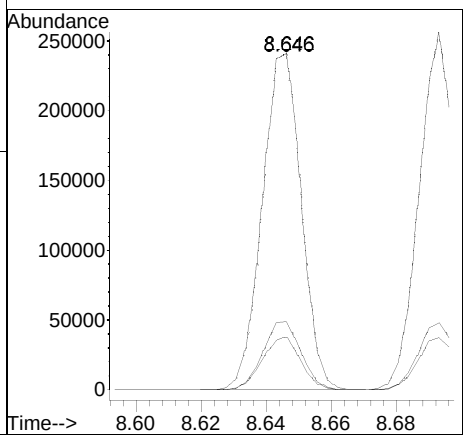


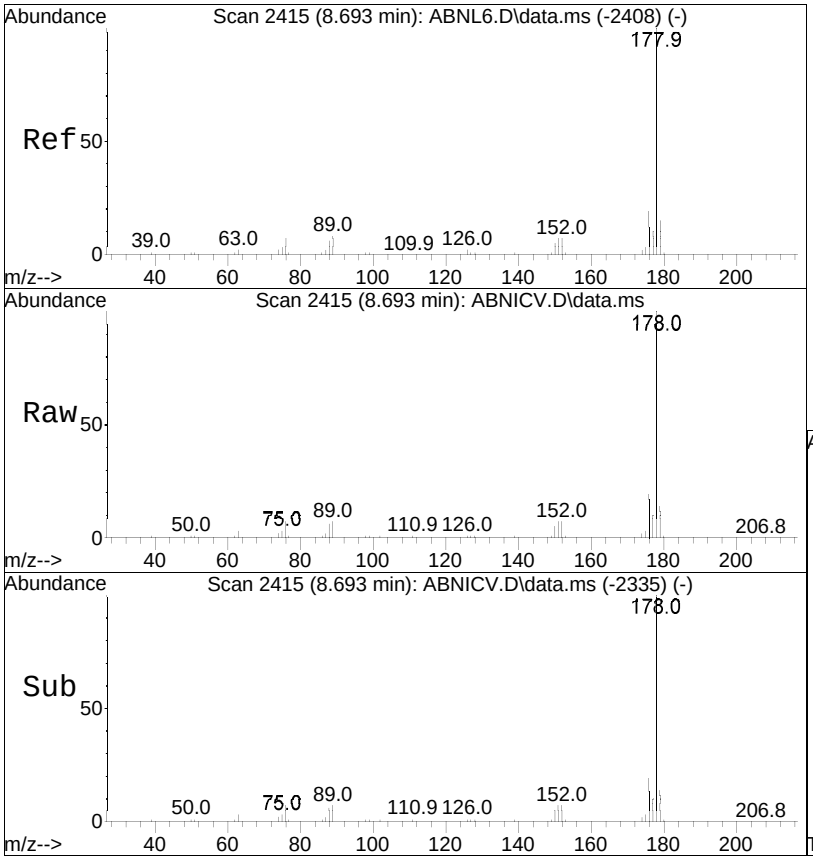


#91
Phenanthrene
Concen: 4.41 ug/ml
RT: 8.646 min Scan# 2400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:178 Resp: 199979

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.8	15.4	23.2

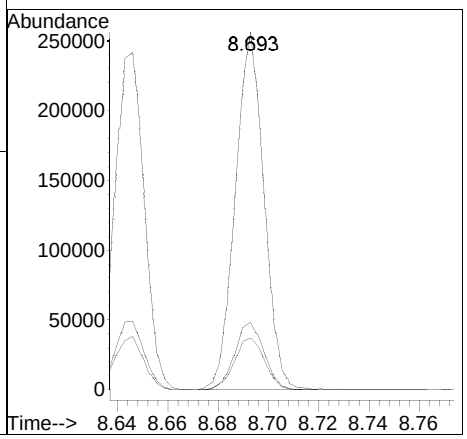


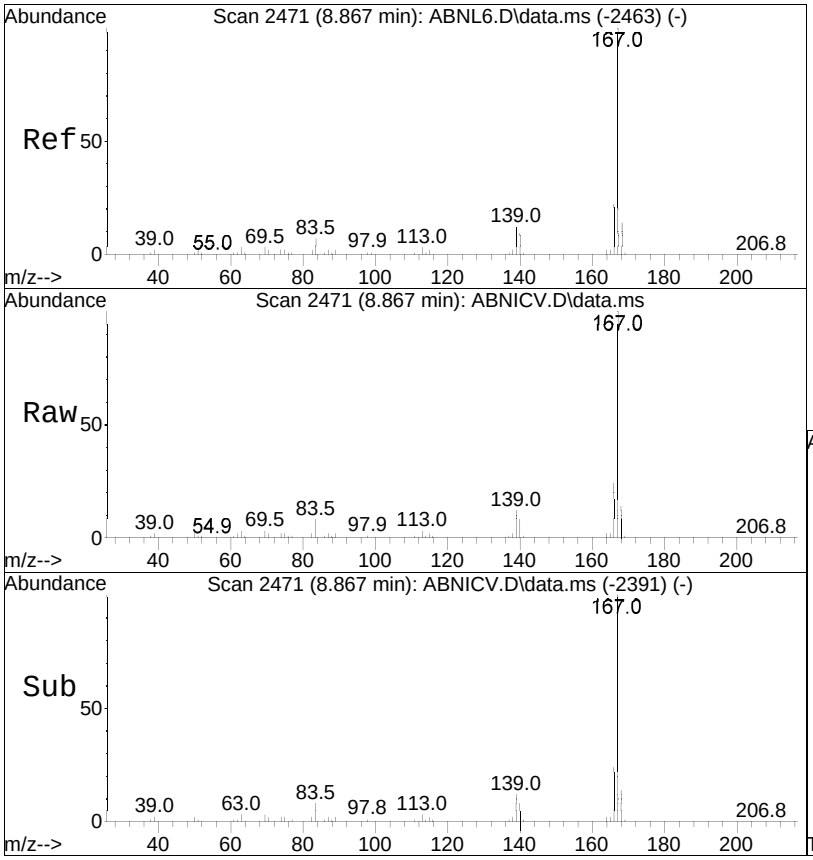


#92
Anthracene
Concen: 4.57 ug/ml
RT: 8.693 min Scan# 2415
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:178 Resp: 203231

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	19.2	14.6	22.0

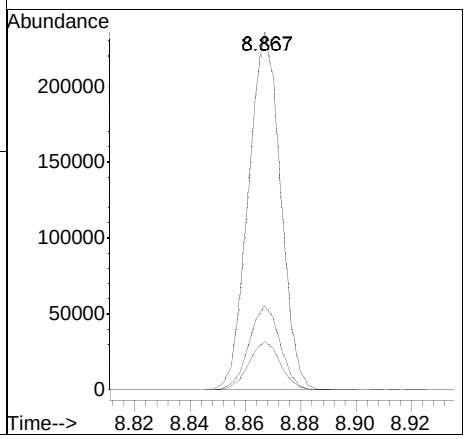


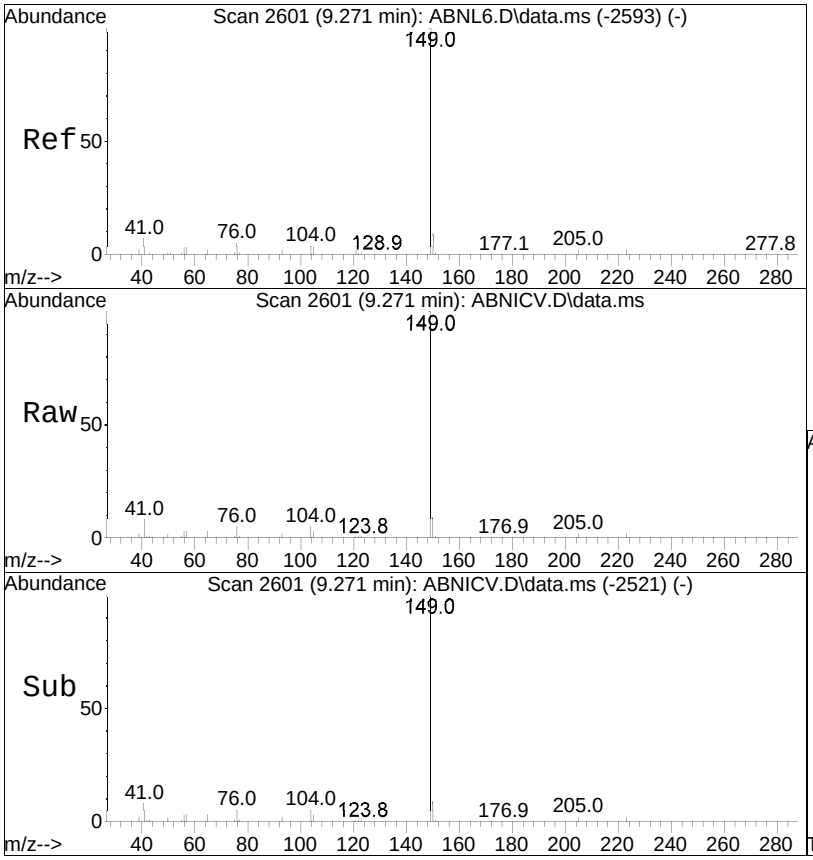


#93
Carbazole
Concen: 4.61 ug/ml
RT: 8.867 min Scan# 2471
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:167 Resp: 188138

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.9	17.4	26.0

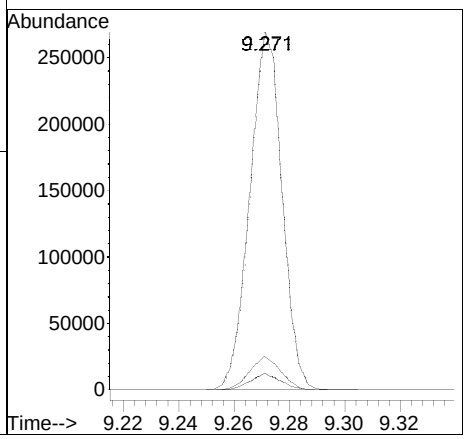


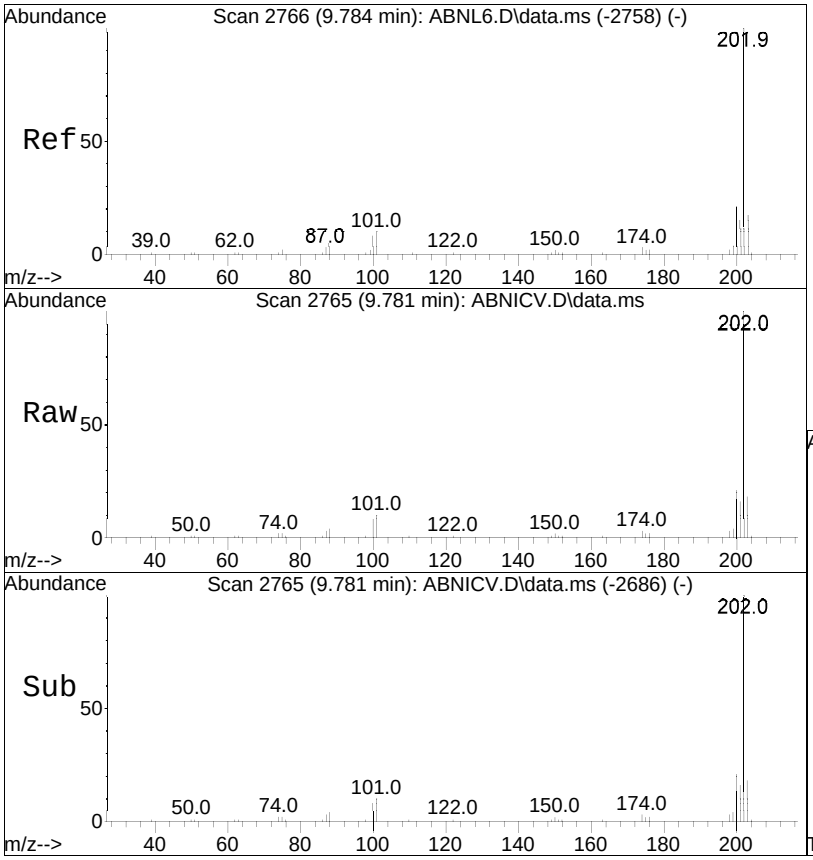


#94
Di-n-butylphthalate
Concen: 4.64 ug/ml
RT: 9.271 min Scan# 2601
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 214371

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.4	4.5	6.7#

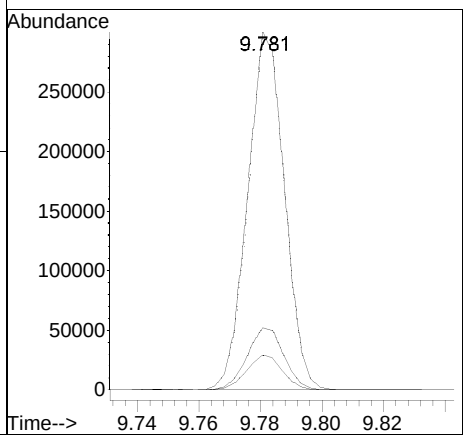


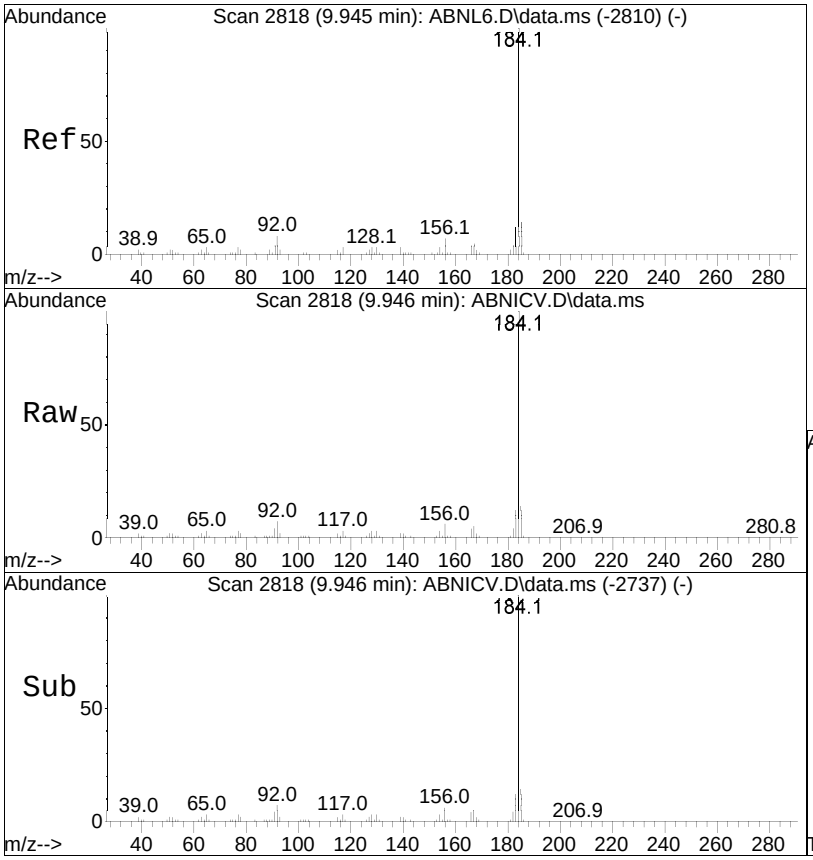


#95
Fluoranthene
Concen: 4.53 ug/ml
RT: 9.781 min Scan# 2765
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:202 Resp: 246949

Ion	Ratio	Lower	Upper
202	100		
101	9.5	13.5	20.3#
203	17.5	13.6	20.4

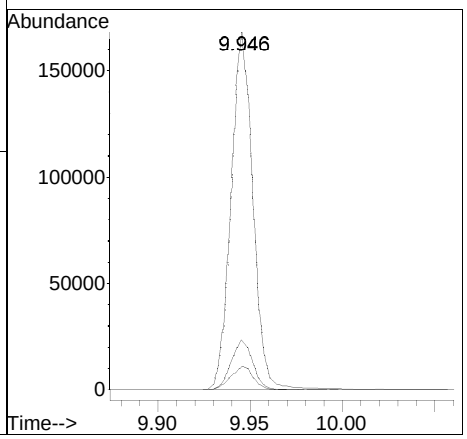


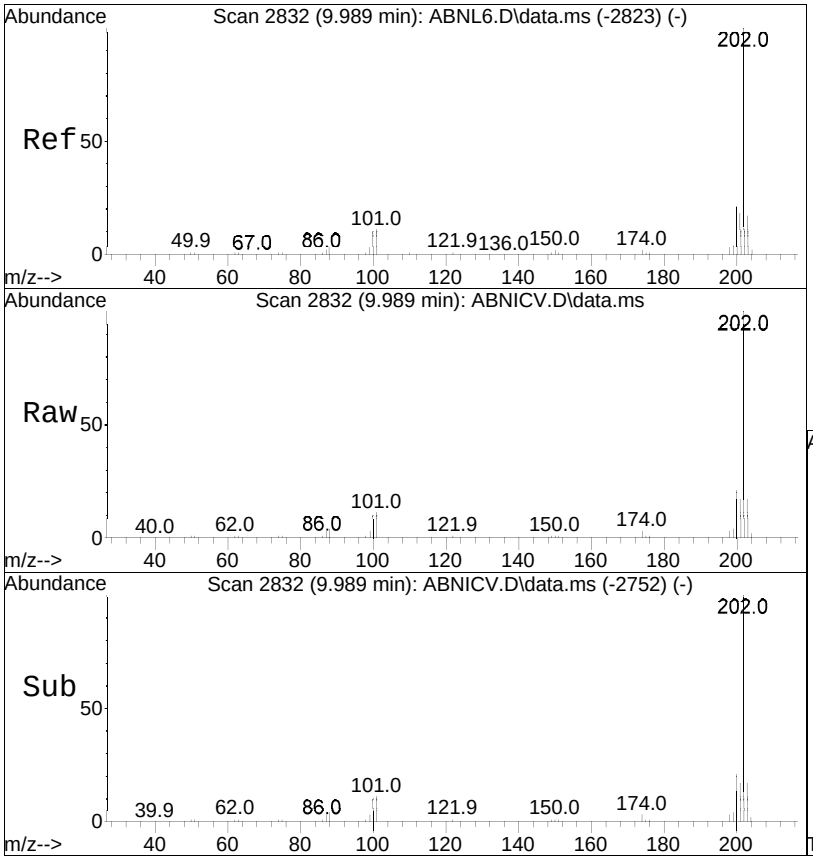


#96
Benzidine
Concen: 4.63 ug/ml
RT: 9.946 min Scan# 2818
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:184 Resp: 136878

Ion	Ratio	Lower	Upper
184	100		
92	6.9	9.1	13.7#
185	13.9	11.1	16.7

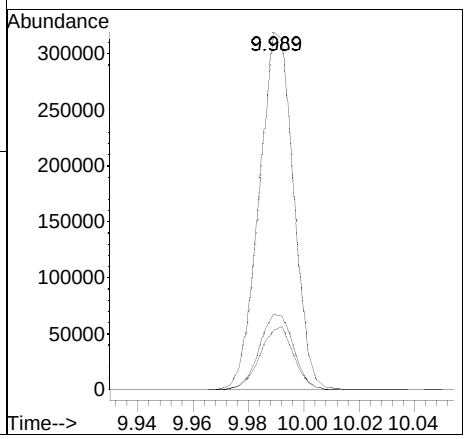


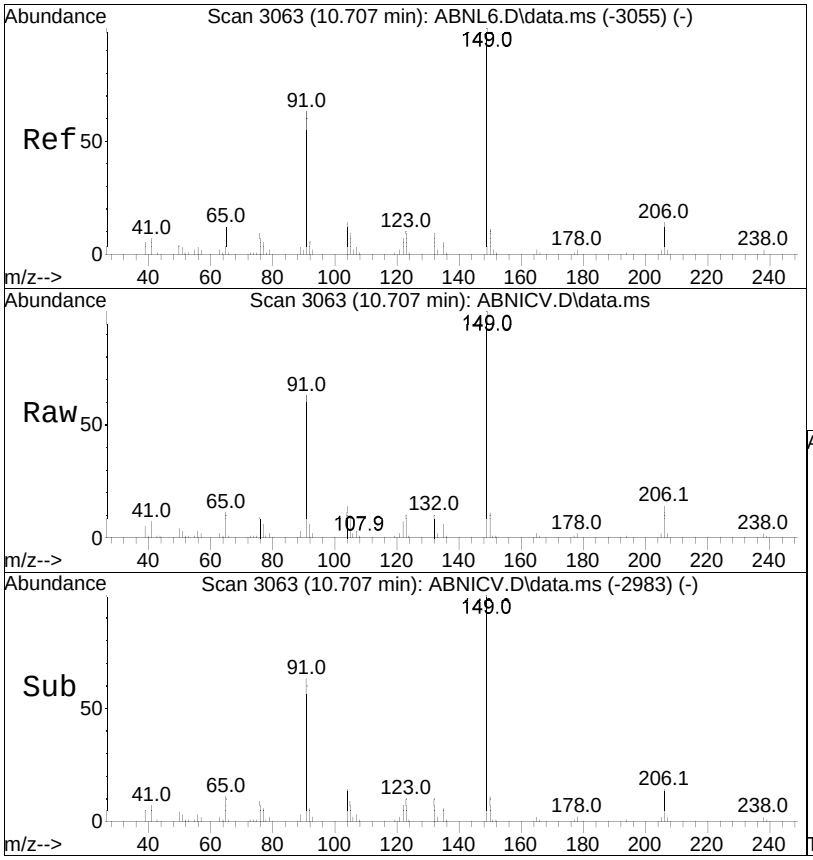


#97
Pyrene
Concen: 4.67 ug/ml
RT: 9.989 min Scan# 2832
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:202 Resp: 272087

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.4	14.2	21.4

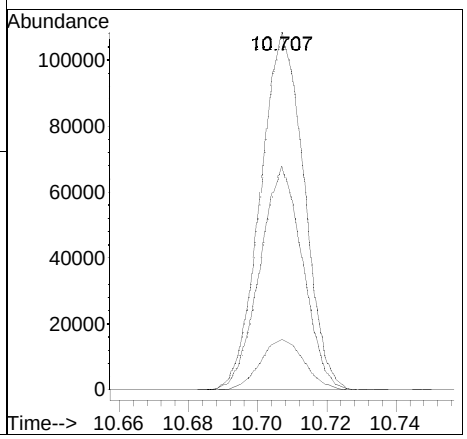


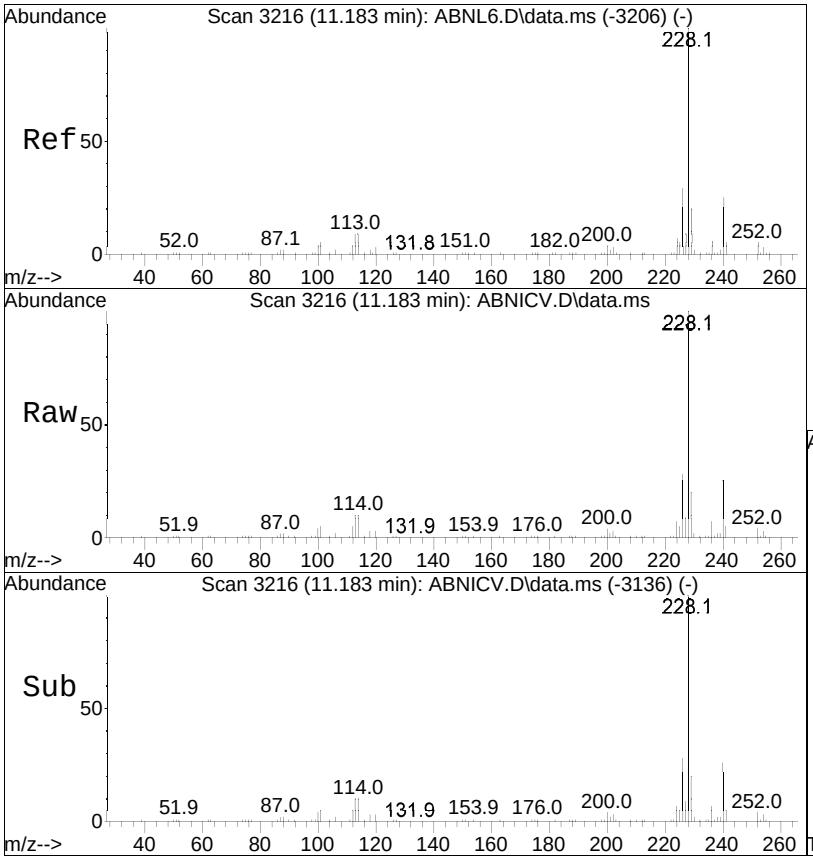


#99
Butyl benzyl phthalate
Concen: 4.75 ug/ml
RT: 10.707 min Scan# 3063
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 94148

Ion	Ratio	Lower	Upper
149	100		
91	61.9	63.3	94.9#
206	14.3	13.9	20.9

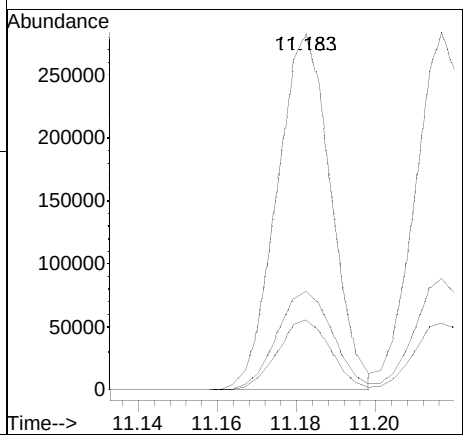


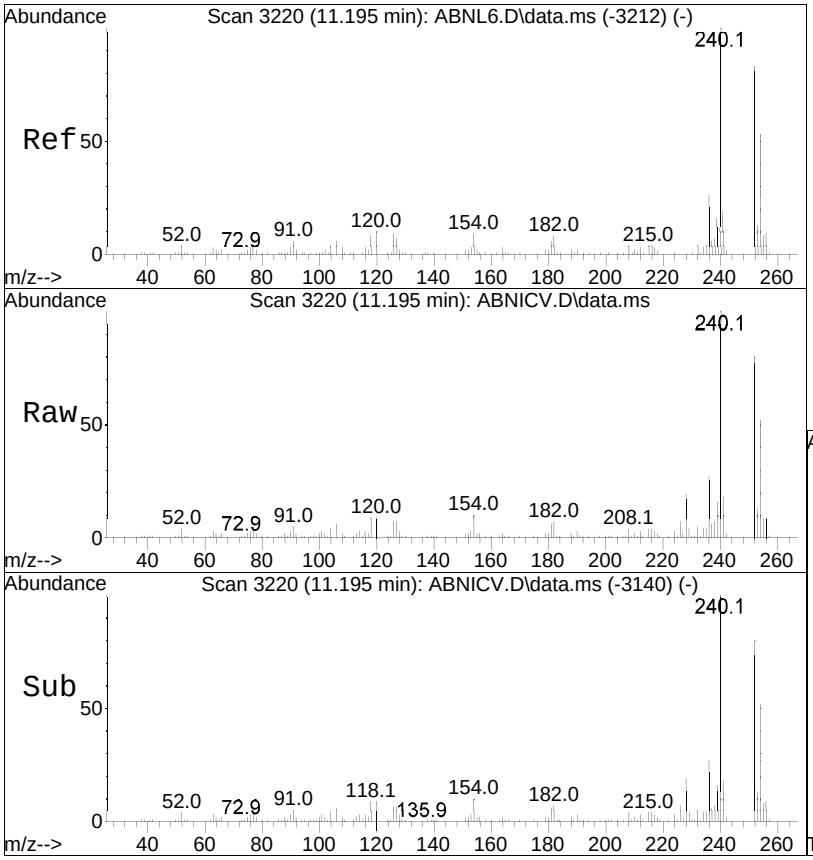


#107
Benzo(a)anthracene
Concen: 4.44 ug/ml
RT: 11.183 min Scan# 3216
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:228 Resp: 267033

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.2	33.4
229	19.5	15.6	23.4

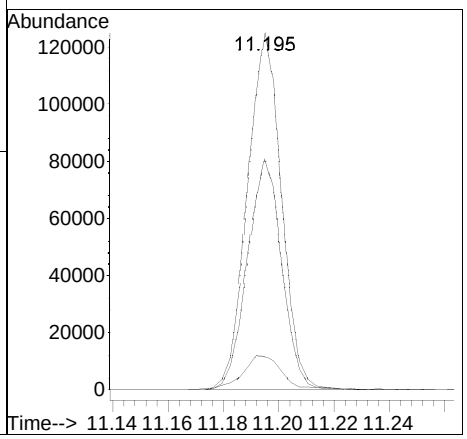


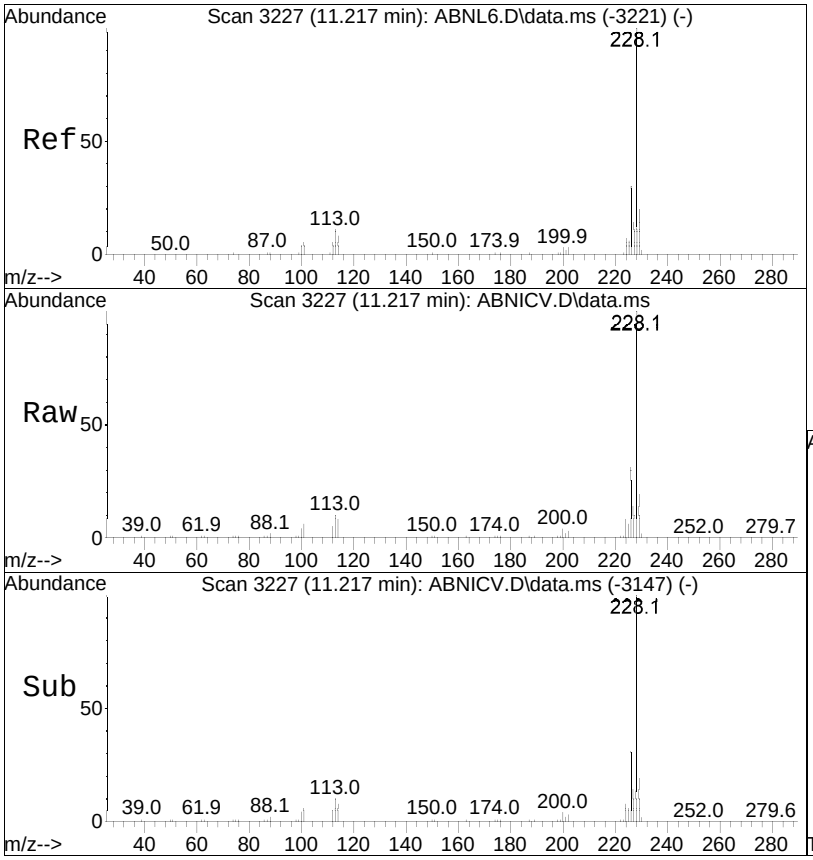


#108
3,3'-Dichlorobenzidine
Concen: 4.76 ug/ml
RT: 11.195 min Scan# 3220
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 106445

Ion	Ratio	Lower	Upper
252	100		
126	11.4	14.5	21.7#
254	65.3	51.2	76.8

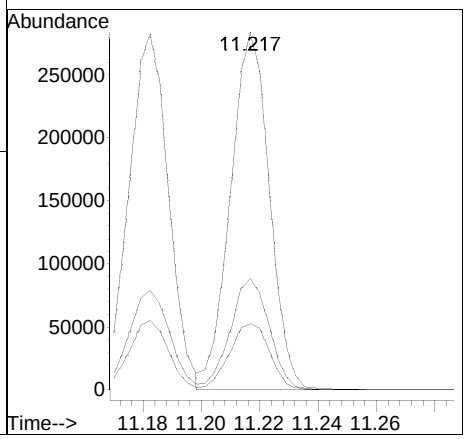


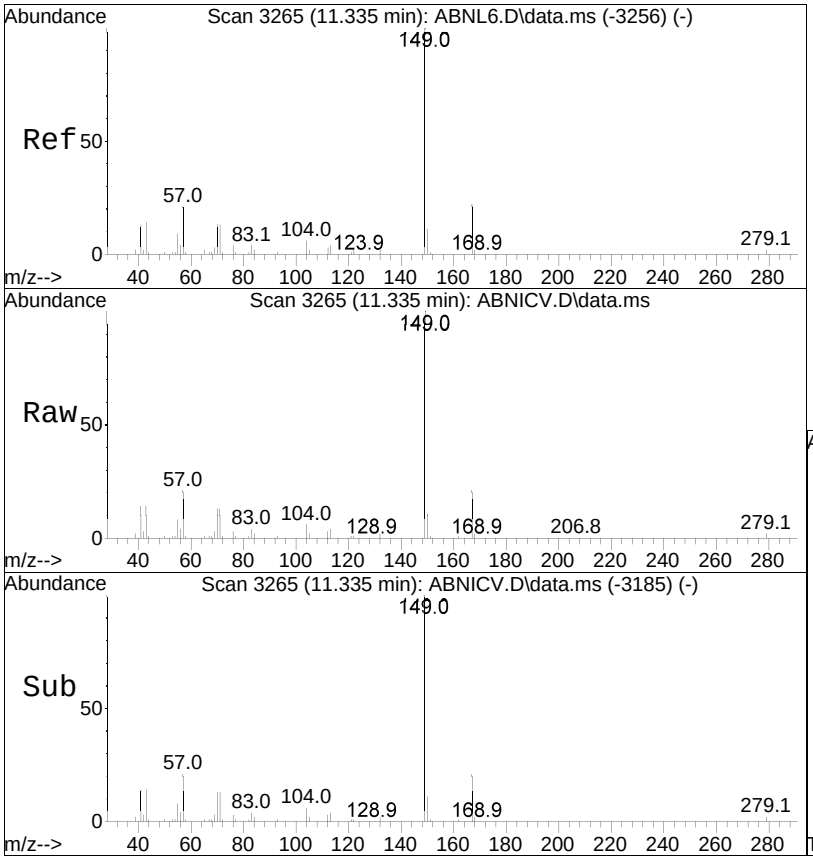


#109
Chrysene
Concen: 4.40 ug/ml
RT: 11.217 min Scan# 3227
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:228 Resp: 263085

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	19.4	15.8	23.8

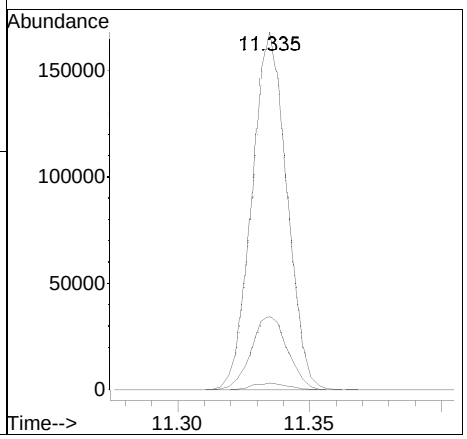


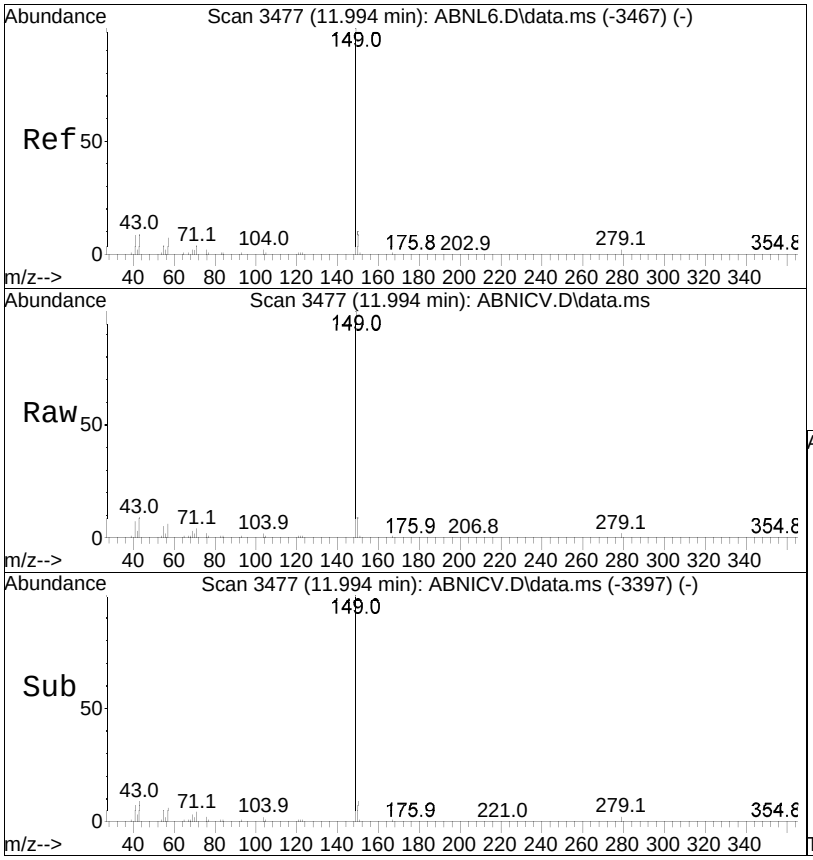


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.74 ug/ml
RT: 11.335 min Scan# 3265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 152756

Ion	Ratio	Lower	Upper
149	100		
167	21.5	22.1	33.1#
279	1.9	3.0	4.4#

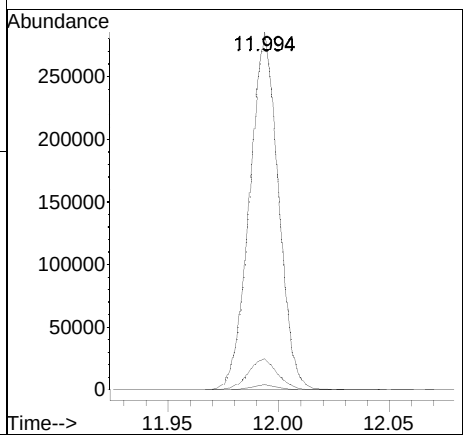


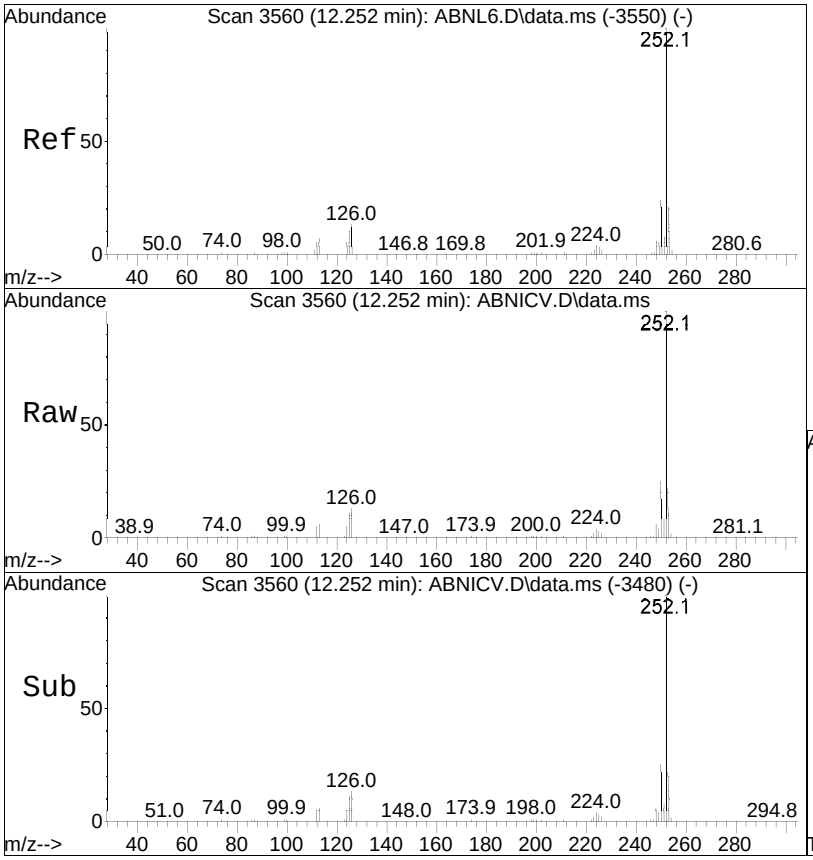


#111
Di-n-octylphthalate
Concen: 4.75 ug/ml
RT: 11.994 min Scan# 3477
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 254994

Ion	Ratio	Lower	Upper
149	100		
43	8.9	18.8	28.2#
167	1.2	1.3	1.9#

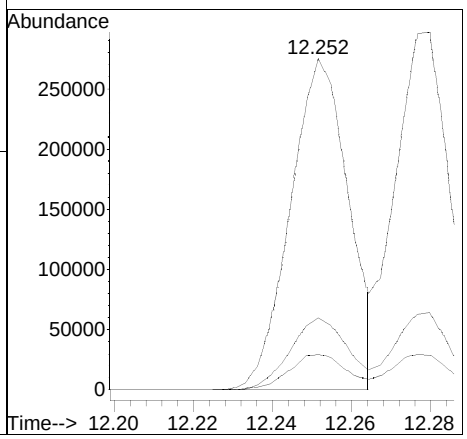


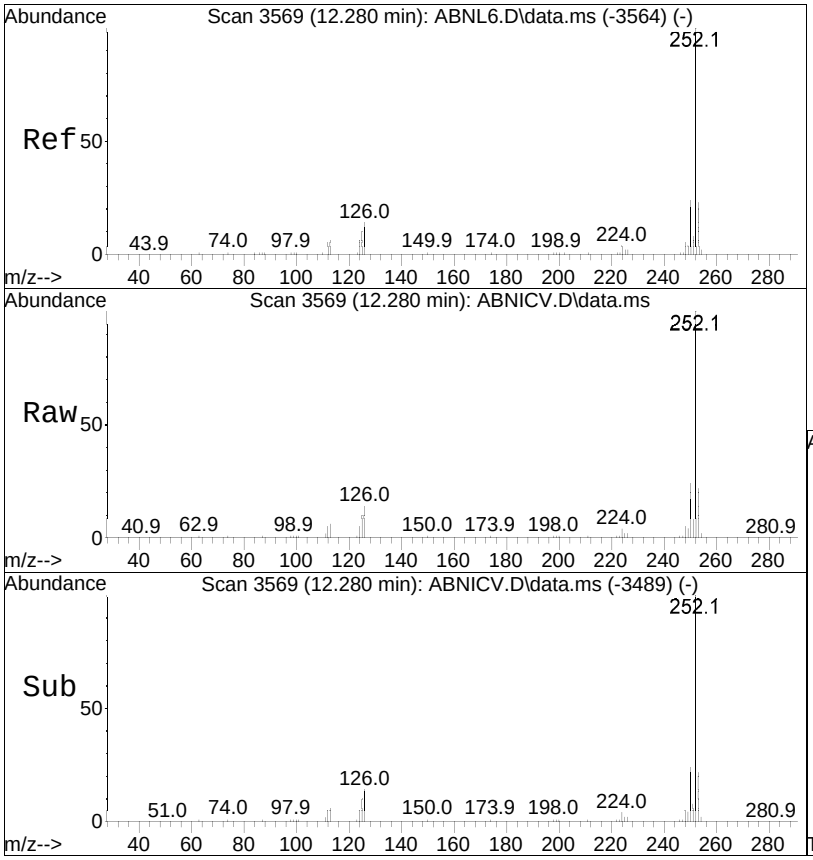


#112
Benzo(b)fluoranthene
Concen: 4.49 ug/ml
RT: 12.252 min Scan# 3560
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 282392

Ion	Ratio	Lower	Upper
252	100		
125	10.8	13.3	19.9#
253	21.6	17.1	25.7

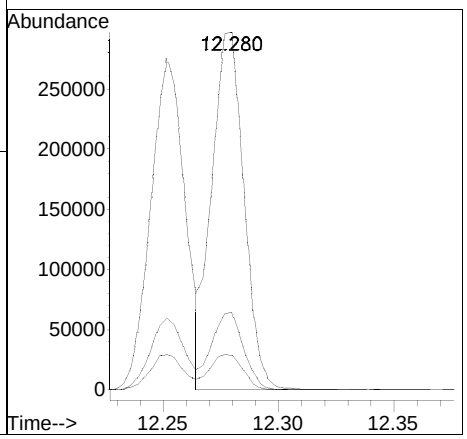


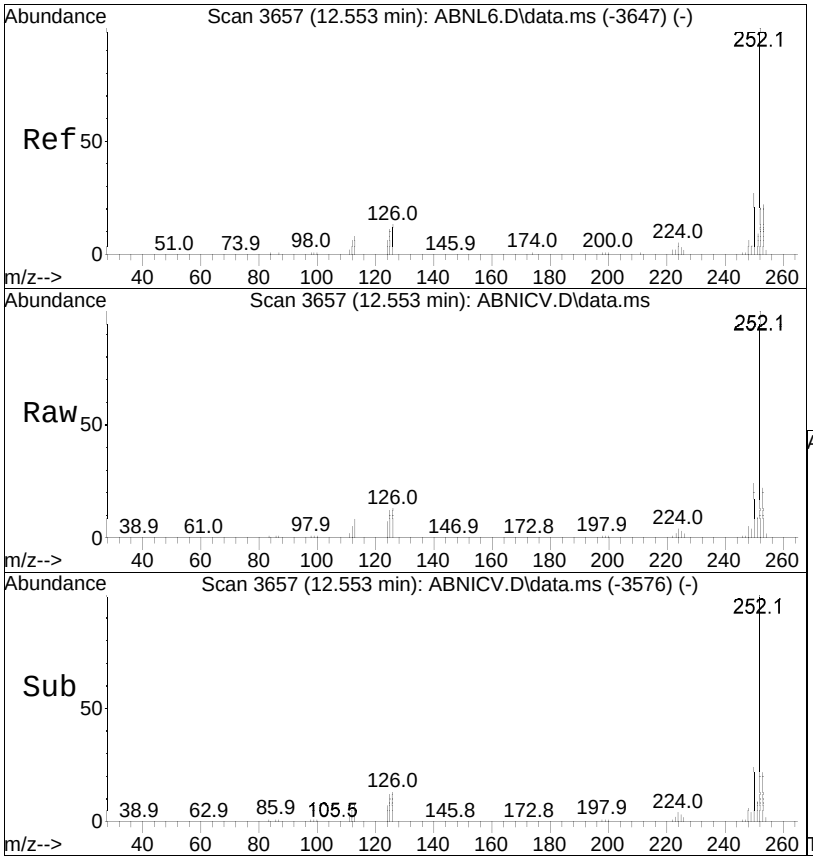


#113
Benzo(k)fluoranthene
Concen: 4.71 ug/ml
RT: 12.280 min Scan# 3569
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 288769

Ion	Ratio	Lower	Upper
252	100		
125	10.3	13.0	19.6#
253	21.4	16.8	25.2

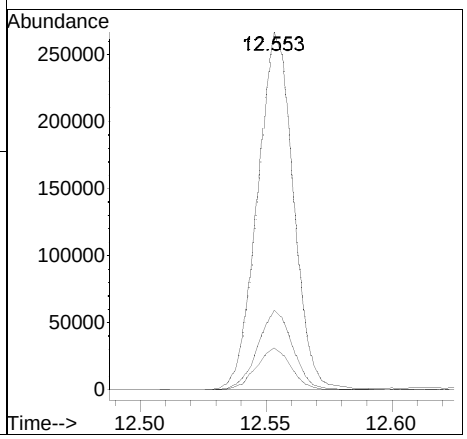


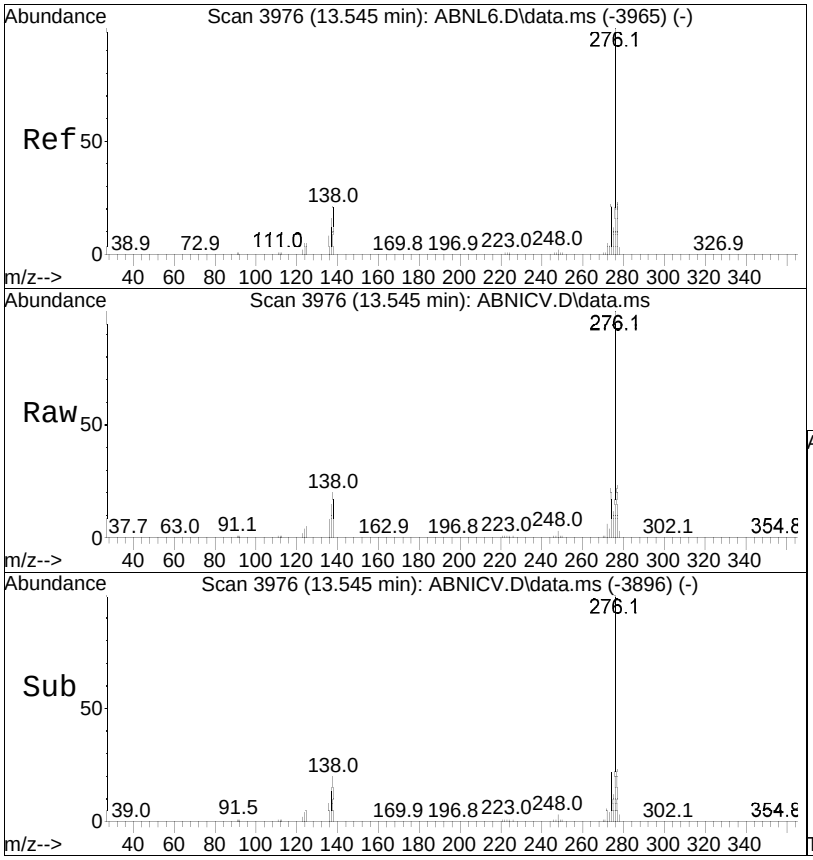


#114
Benzo(a)pyrene
Concen: 4.67 ug/ml
RT: 12.553 min Scan# 3657
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 262323

Ion	Ratio	Lower	Upper
252	100		
125	11.6	14.2	21.2#
253	21.9	16.9	25.3

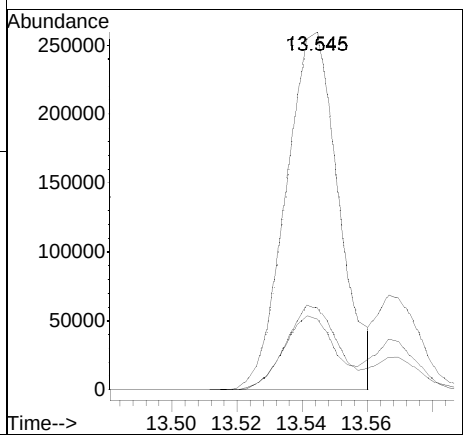


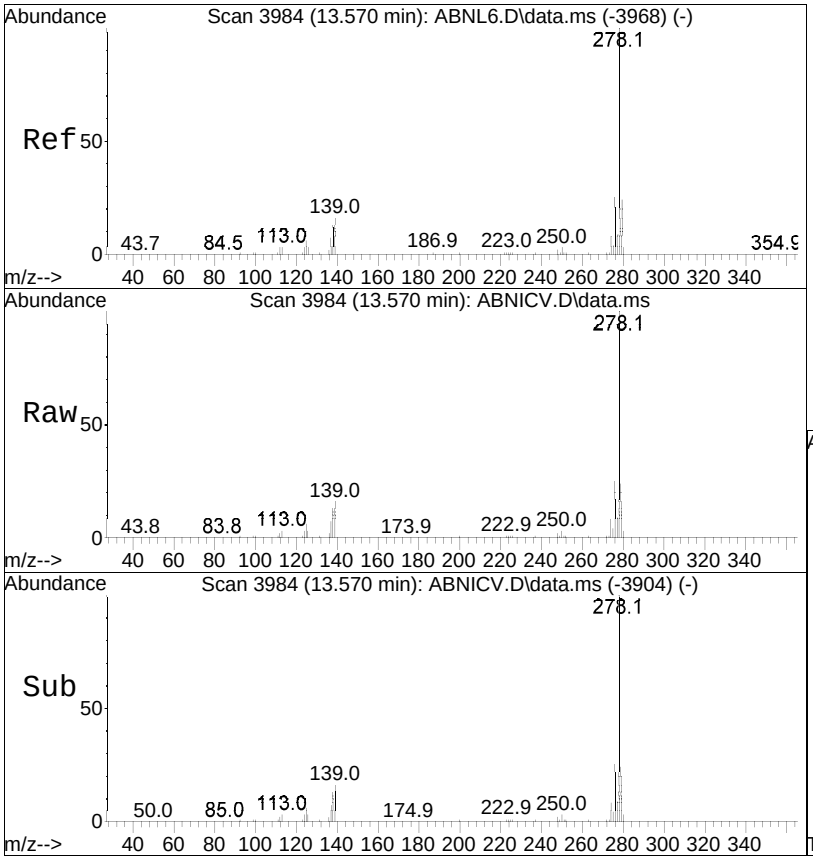


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.58 ug/mL
RT: 13.545 min Scan# 3976
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:276 Resp: 292191

Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.1	37.7#
277	23.1	18.6	28.0

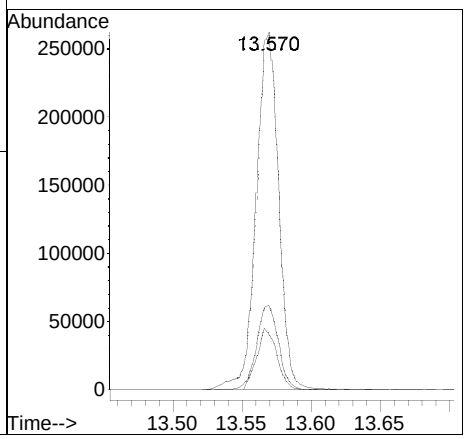


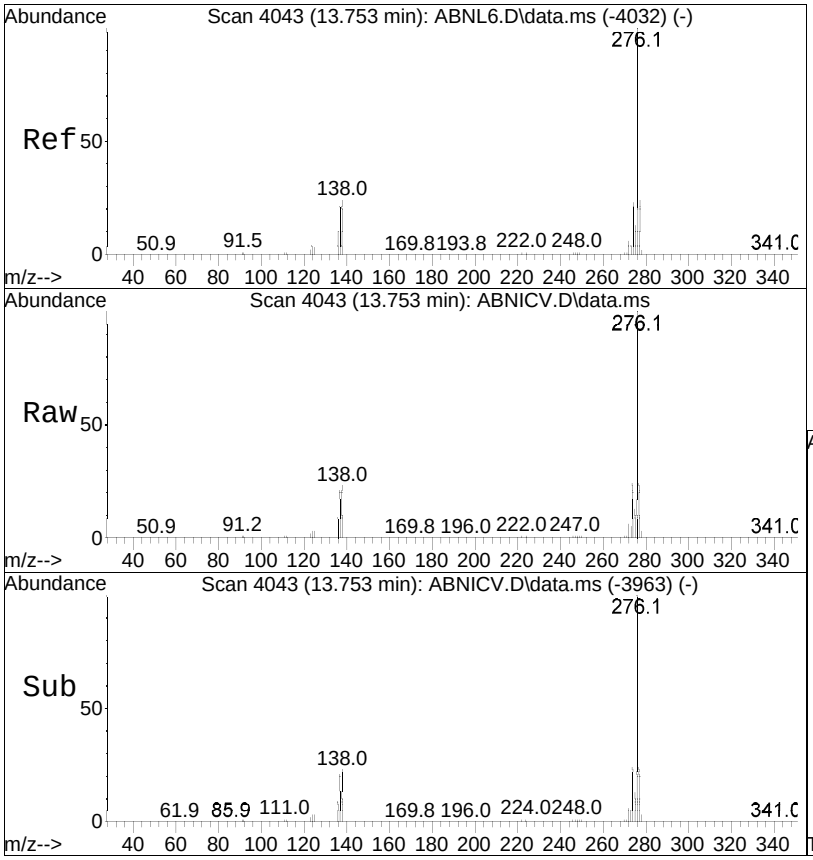


#117
Dibenzo(a,h)anthracene
Concen: 4.67 ug/ml
RT: 13.570 min Scan# 3984
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:278 Resp: 293099

Ion	Ratio	Lower	Upper
278	100		
139	15.6	20.8	31.2#
279	23.3	18.3	27.5

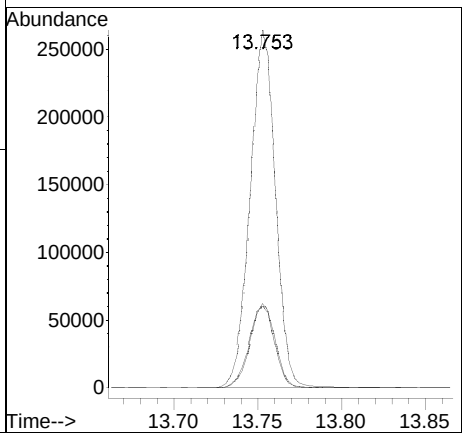




#118
Benzo(ghi)perylene
Concen: 4.45 ug/ml
RT: 13.753 min Scan# 4043
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:276 Resp: 274527

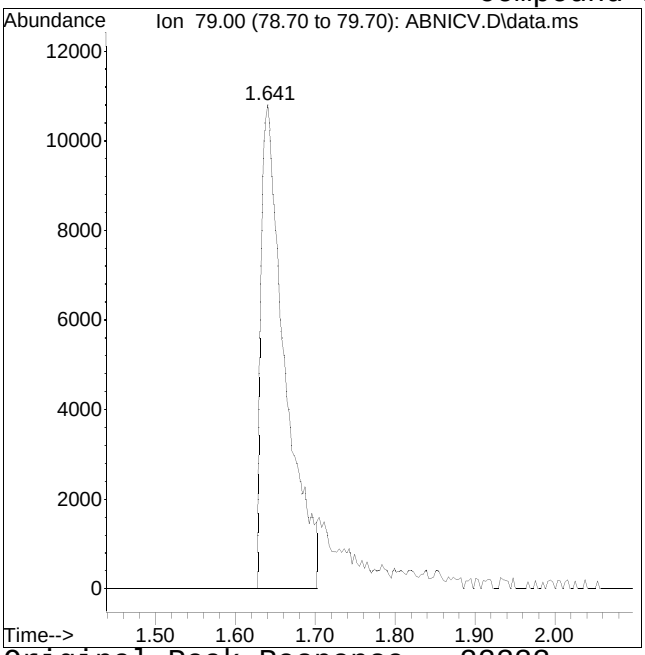
Ion	Ratio	Lower	Upper
276	100		
138	23.4	29.2	43.8#
277	23.6	18.8	28.2



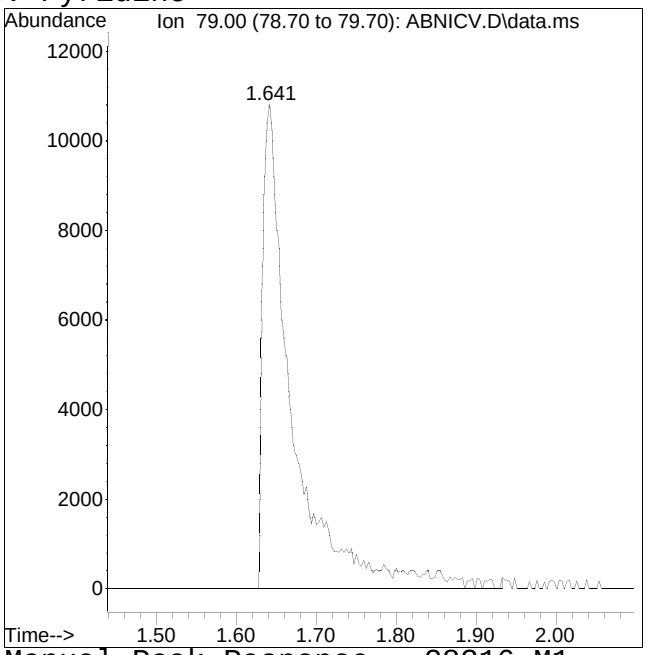
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNICV.D
Date Inj'd : 11/5/2024 11:59 pm
Sample : CQICV1,32,,ABNICV Lot# 111
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/11/2024 3:35 pm

Compound #3: Pyridine



Original Peak Response = 22333



Manual Peak Response = 28316 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 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	101	0.00
28	T	Benzaldehyde	0.703	0.766	-9.0	102	0.00
29	T	Acetophenone	1.403	1.539	-9.7	107	0.00
30	T	m-Toluidine	1.287	1.347	-4.7	103	0.00
31	T	2-Chloroaniline	1.368	1.507	-10.2	107	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	105	0.00
58	T	a-Terpineol	0.221	0.239	-8.1	107	0.00
59	T	3-Chloroaniline	0.115	0.123	-7.0	103	0.00
60	T	2,6-Dichlorophenol	0.296	0.316	-6.8	104	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.122	-8.0	102	0.00
62	T	Caprolactam	0.123	0.131	-6.5	109	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.446	-8.0	108	0.00
64	T	Biphenyl	0.842	0.904	-7.4	106	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	103	0.00
86	T	Dichloran	0.169	0.181	-7.1	112	0.00
87	T	Pentachloronitrobenzene	0.187	0.195	-4.3	111	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
101	T	Diphenamid	0.416	0.467	-12.3	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 : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28764	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	101.49%		
57) IS2_Naphthalene-d8	5.519	136	103898	4.000	ug/ml	0.00
Standard Area 1 = 98544			Recovery =	105.43%		
85) IS2_Acenaphthene-d10	7.210	164	66081	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	102.67%		
100) IS2_Phenanthrene-d10	8.621	188	145261	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	101.94%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.847	105	27551	5.446	ug/ml	95
29) Acetophenone	4.693	105	55323	5.482	ug/ml#	80
30) m-Toluidine	4.780	106	48432	5.234	ug/ml	94
31) 2-Chloroaniline	5.134	127	54178	5.507	ug/ml#	90
58) a-Terpineol	5.588	59	30996	5.390	ug/ml#	78
59) 3-Chloroaniline	5.600	65	15940	5.355	ug/ml	85
60) 2,6-Dichlorophenol	5.625	162	41042	5.346	ug/ml#	83
61) 1-chloro-2-nitrobenzene	5.877	111	15818	5.368	ug/ml#	1
62) Caprolactam	5.914	55	17075	5.349	ug/ml#	71
63) 1,2,4,5-Tetrachloroben...	6.387	216	57983	5.406	ug/ml#	94
64) Biphenyl	6.679	154	117373	5.369	ug/ml	97
86) Dichloran	8.332	206	14931	5.349	ug/ml#	56
87) Pentachloronitrobenzene	8.478	237	16109	5.227	ug/ml#	75
101) Diphenamid	9.535	167	84796	5.614	ug/ml#	75

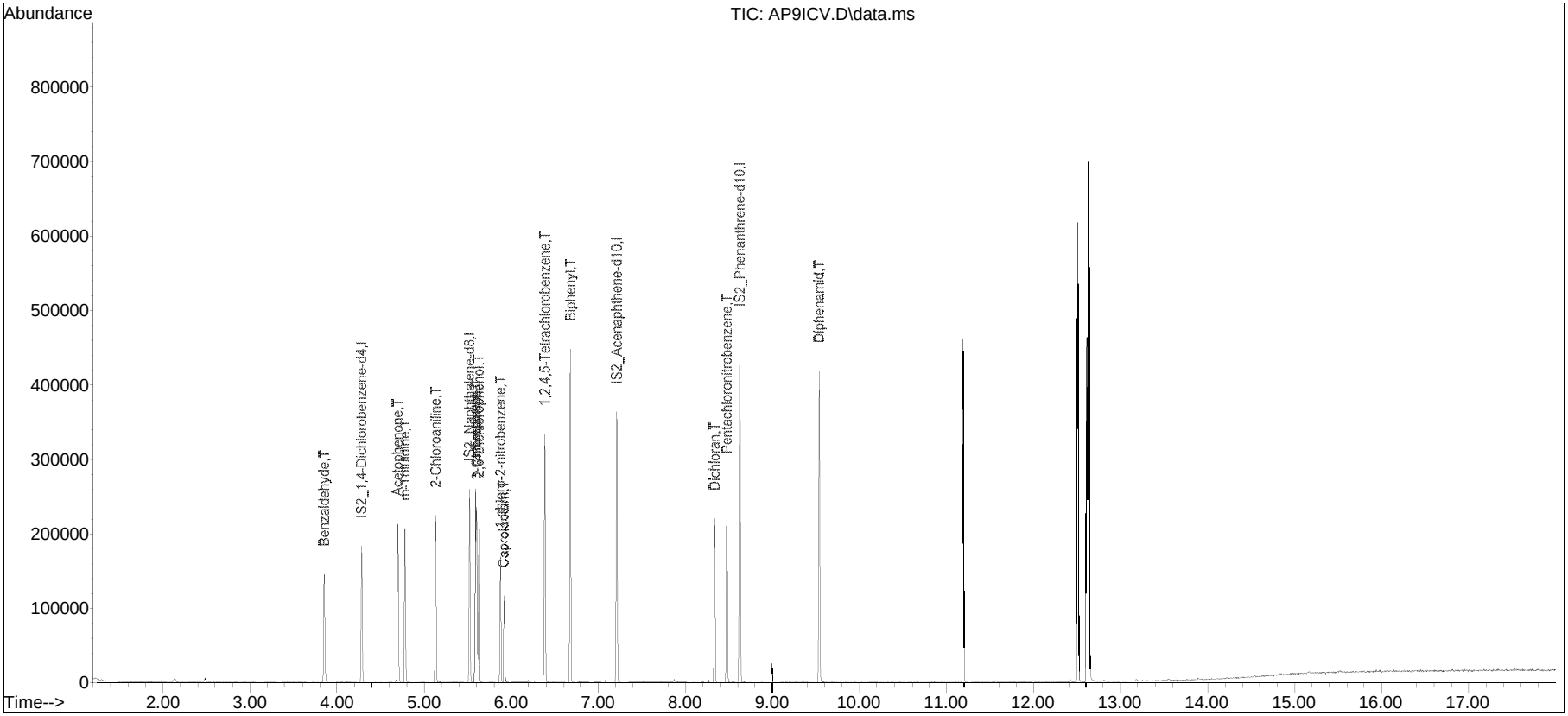
(#) = qualifier out of range (m) = manual integration (+) = signals summed

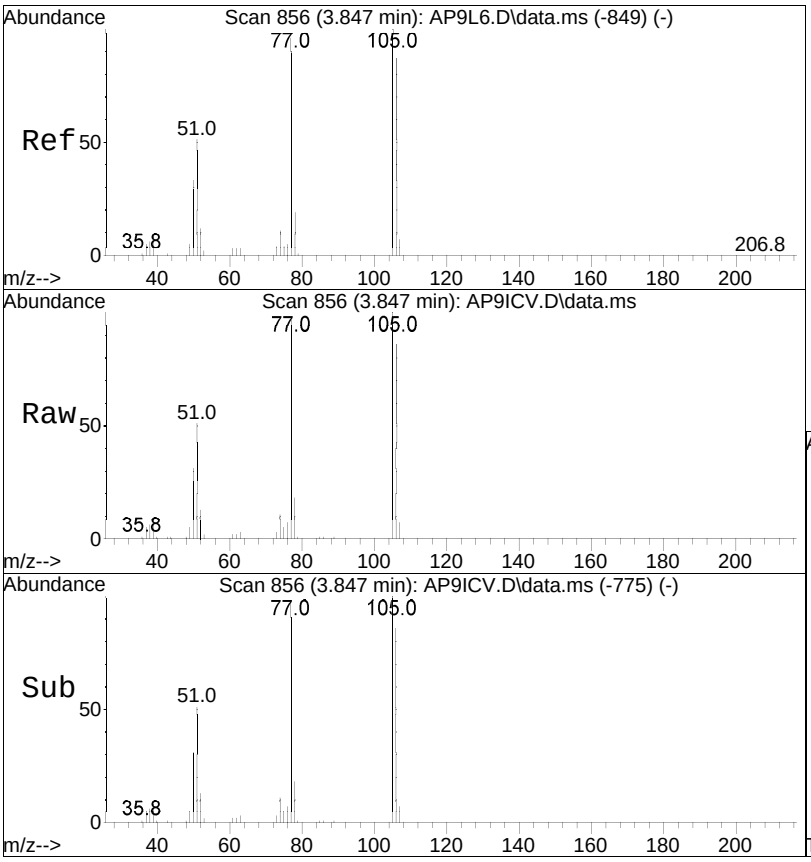
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•

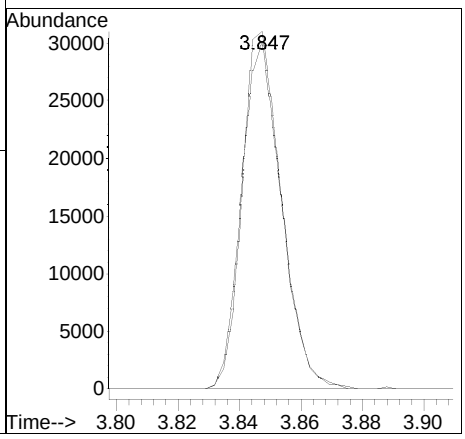


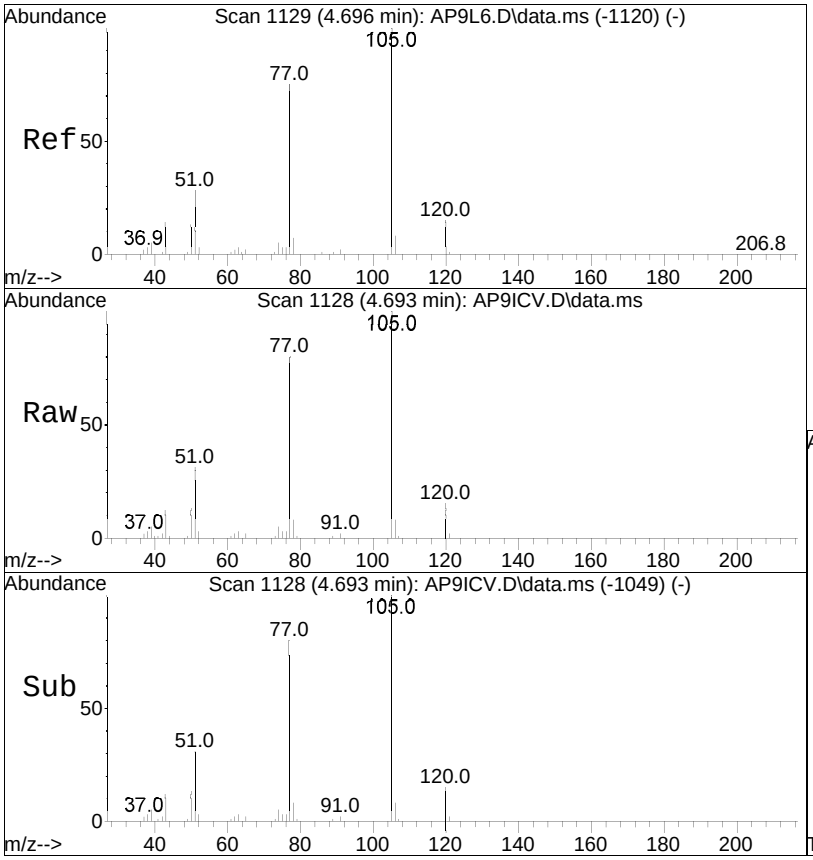


#28
Benzaldehyde
Concen: 5.45 ug/ml
RT: 3.847 min Scan# 856
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:105 Resp: 27551

Ion	Ratio	Lower	Upper
105	100		
77	98.2	82.2	123.4

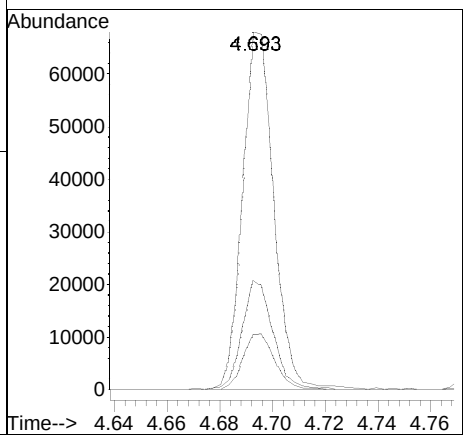


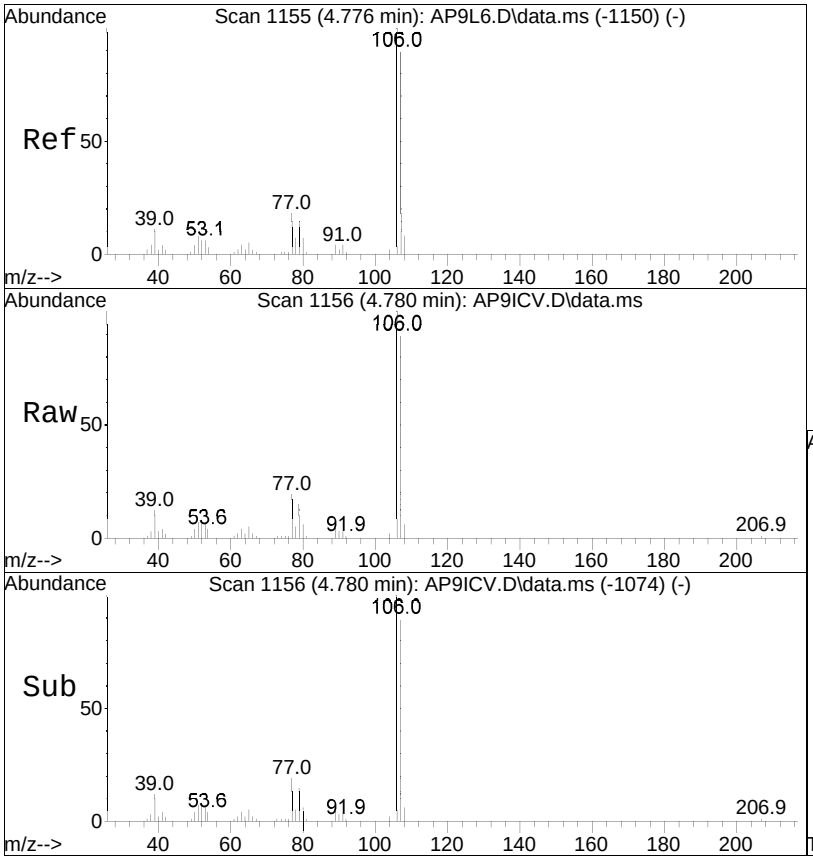


#29
Acetophenone
Concen: 5.48 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:105 Resp: 55323

Ion	Ratio	Lower	Upper
105	100		
120	15.8	20.5	30.7#
51	30.2	34.9	52.3#

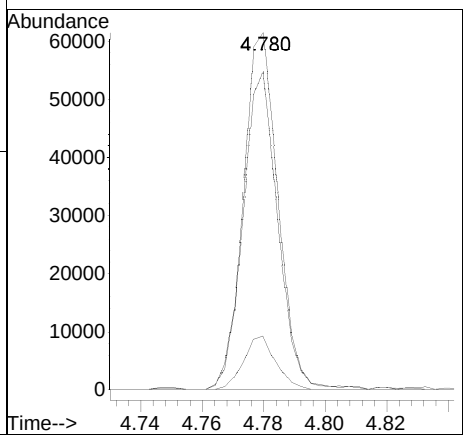


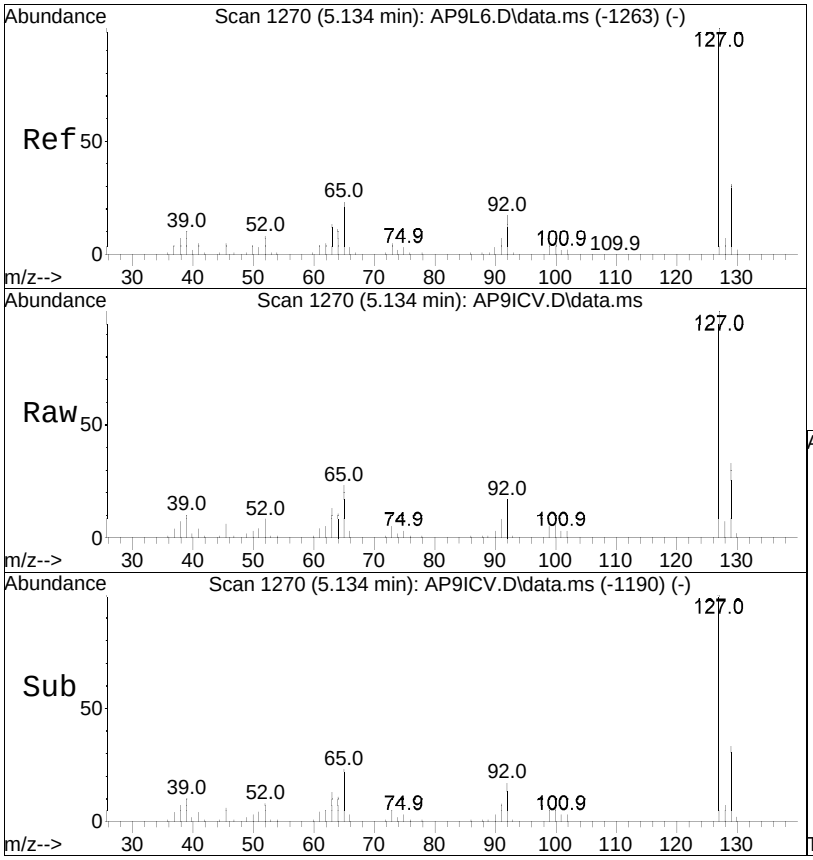


#30
m-Toluidine
Concen: 5.23 ug/ml
RT: 4.780 min Scan# 1156
Delta R.T. 0.004 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:106 Resp: 48432

Ion	Ratio	Lower	Upper
106	100		
107	88.6	75.7	113.5
79	13.8	11.8	17.8

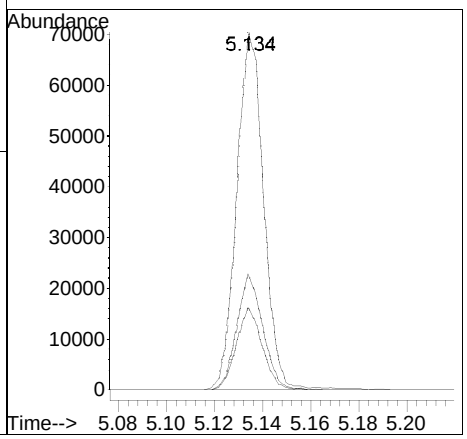


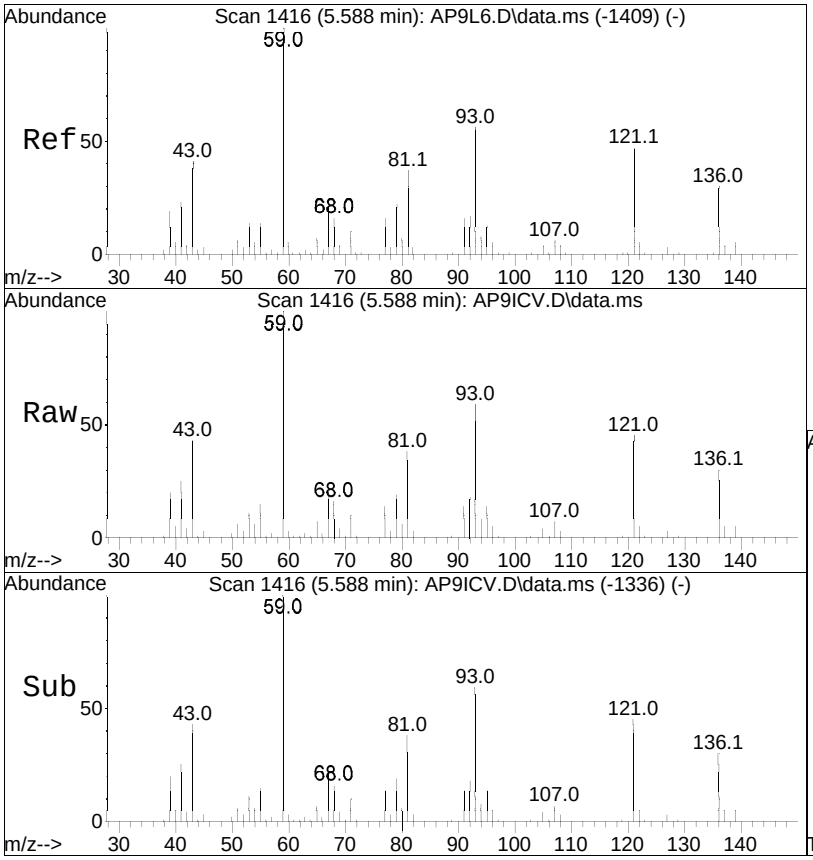


#31
2-Chloroaniline
Concen: 5.51 ug/ml
RT: 5.134 min Scan# 1270
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:127 Resp: 54178

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.9	38.9
65	22.2	26.3	39.5#

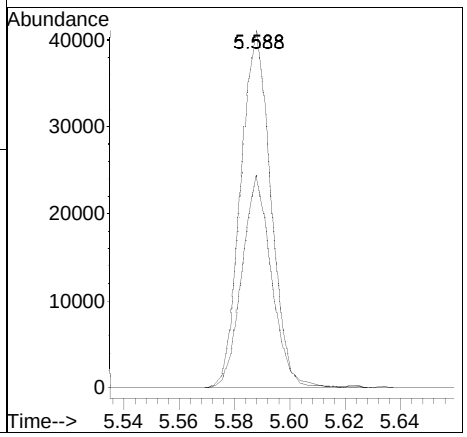


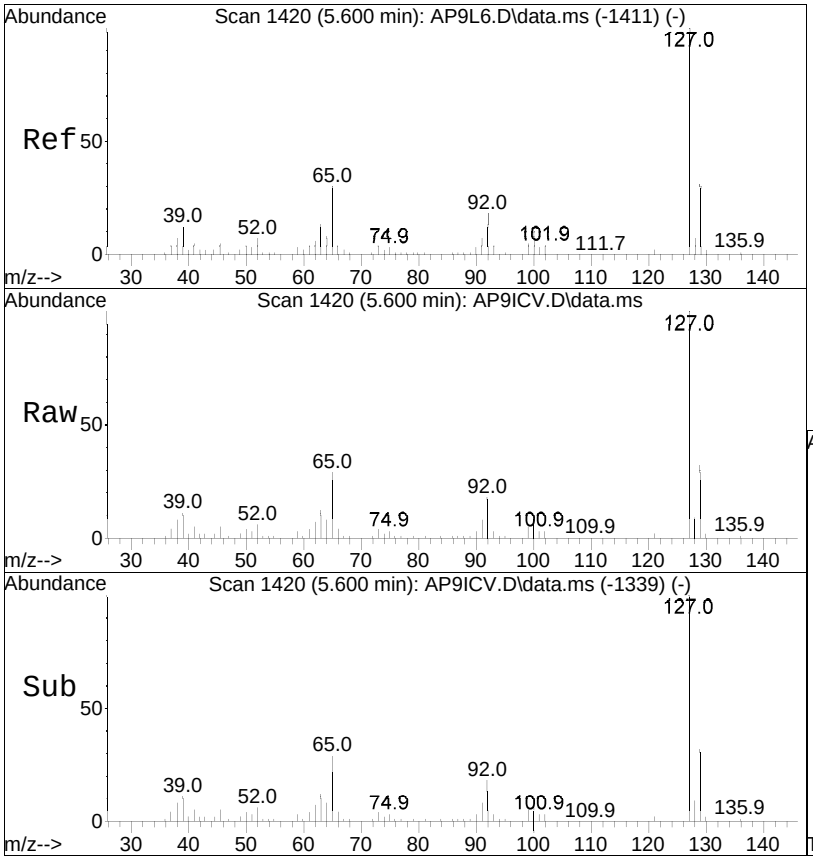


#58
a-Terpineol
Concen: 5.39 ug/ml
RT: 5.588 min Scan# 1416
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 59 Resp: 30996

Ion	Ratio	Lower	Upper
59	100		
93	58.9	35.6	53.4#

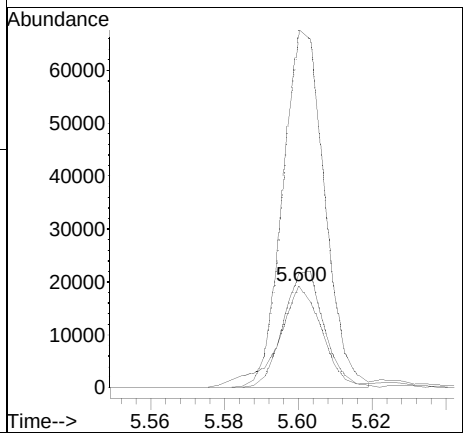


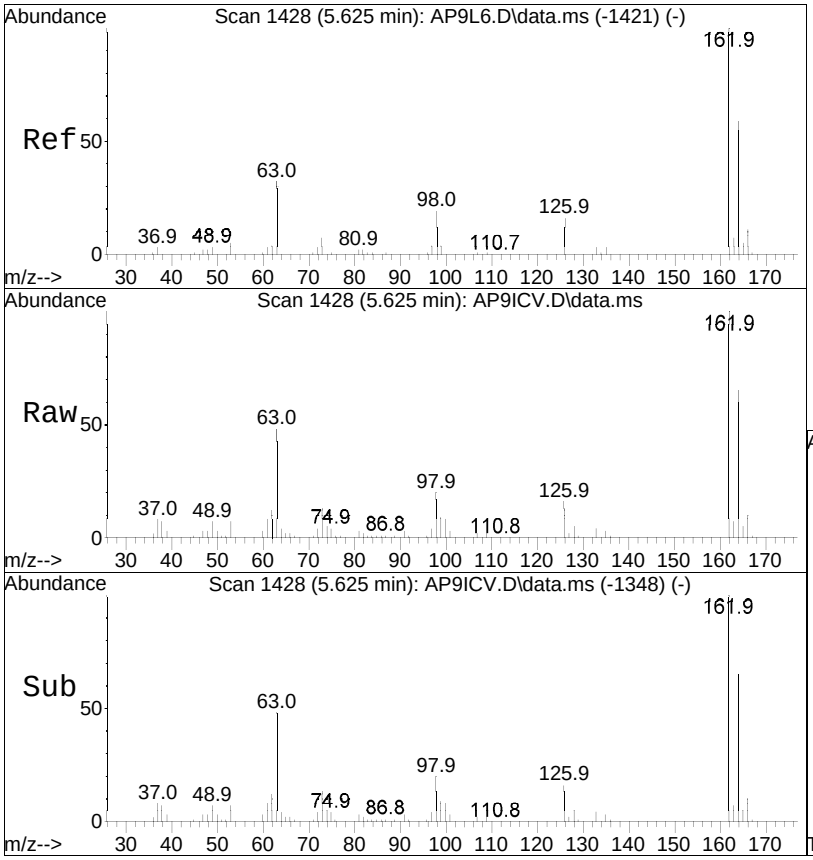


#59
3-Chloroaniline
Concen: 5.36 ug/ml
RT: 5.600 min Scan# 1420
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 65 Resp: 15940

Ion	Ratio	Lower	Upper
65	100		
127	337.6	243.2	364.8
129	105.3	78.8	118.2

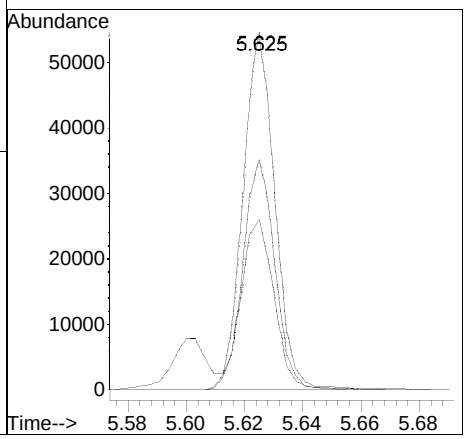


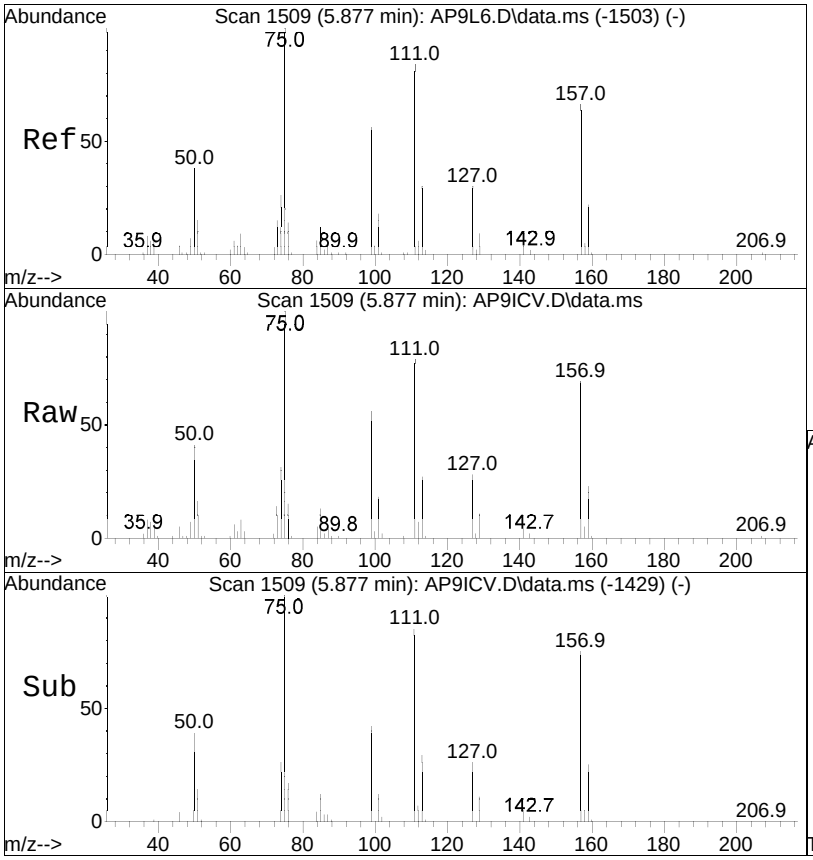


#60
2,6-Dichlorophenol
Concen: 5.35 ug/ml
RT: 5.625 min Scan# 1428
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:162 Resp: 41042

Ion	Ratio	Lower	Upper
162	100		
164	64.6	51.1	76.7
63	49.9	60.8	91.2#

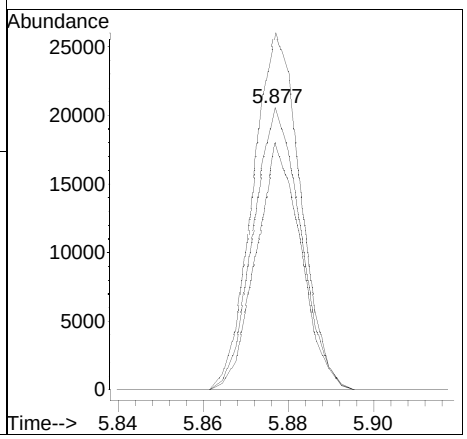


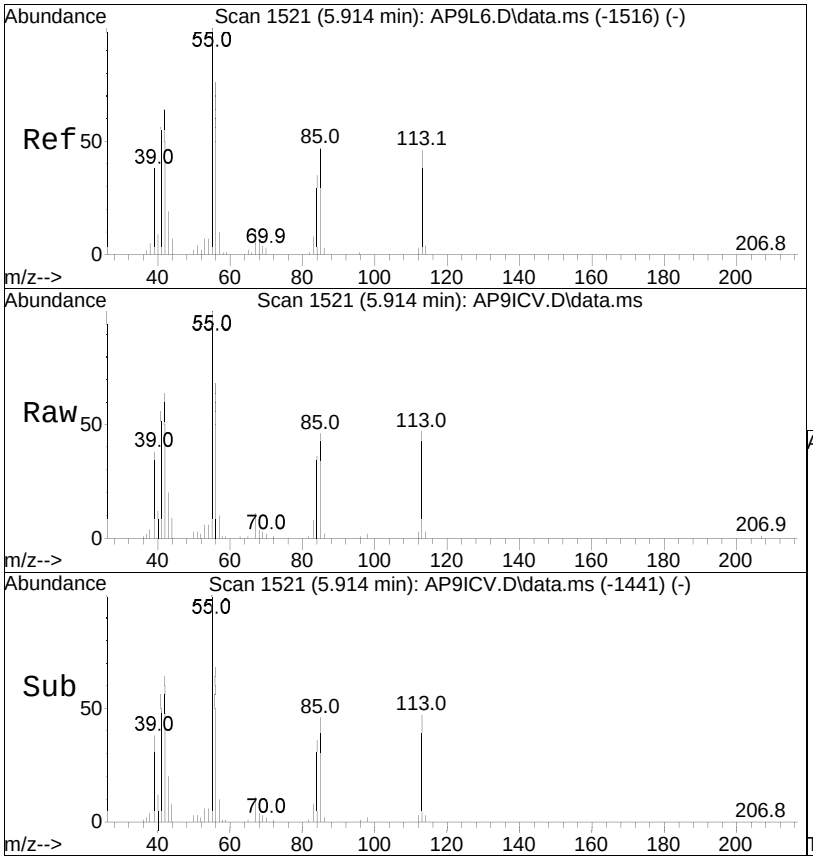


#61
1-chloro-2-nitrobenzene
Concen: 5.37 ug/ml
RT: 5.877 min Scan# 1509
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:111 Resp: 15818

Ion	Ratio	Lower	Upper
111	100		
157	83.1	0.0	0.0#
75	127.9	28.2	42.2#

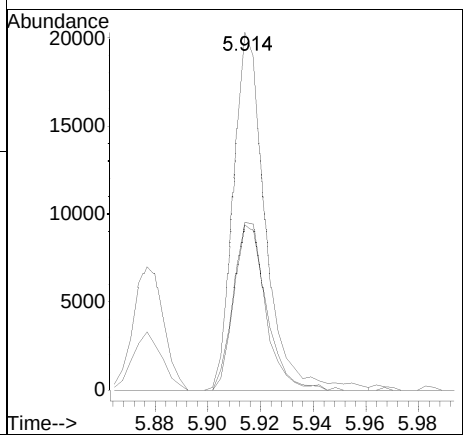


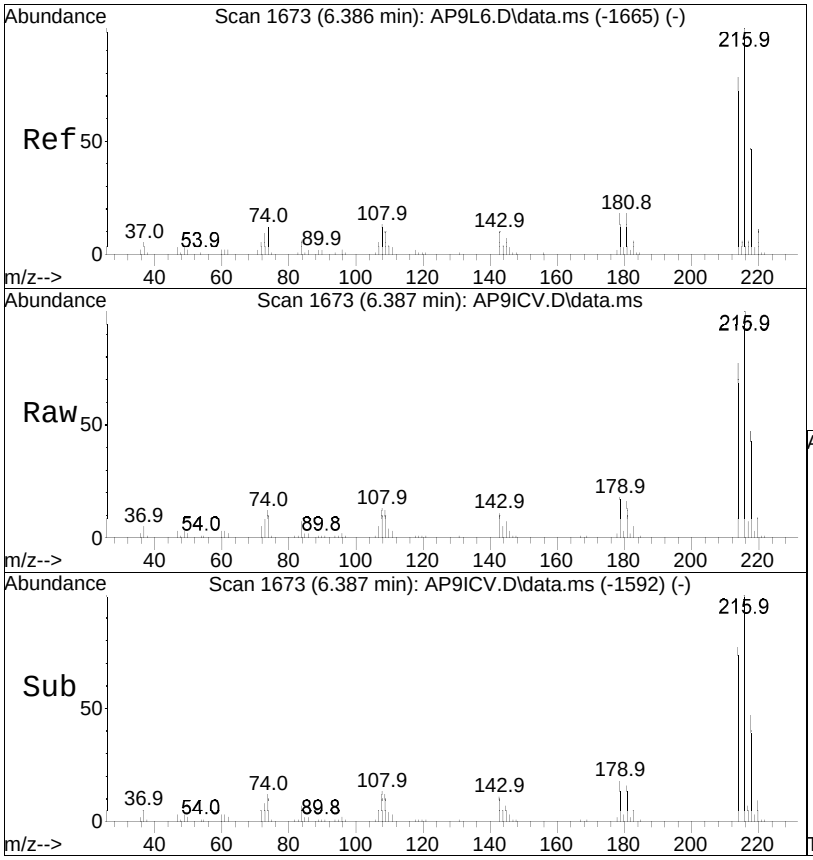


#62
Caprolactam
Concen: 5.35 ug/ml
RT: 5.914 min Scan# 1521
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 55 Resp: 17075

Ion	Ratio	Lower	Upper
55	100		
85	45.5	19.8	29.6#
113	48.9	29.6	44.4#

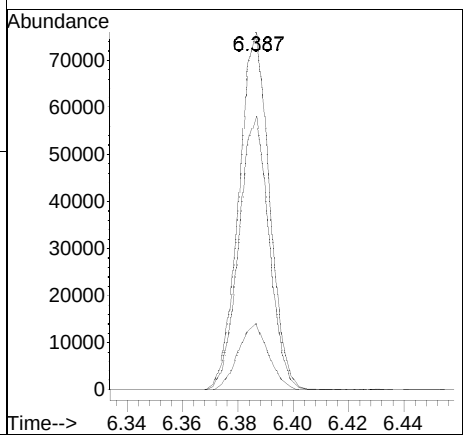


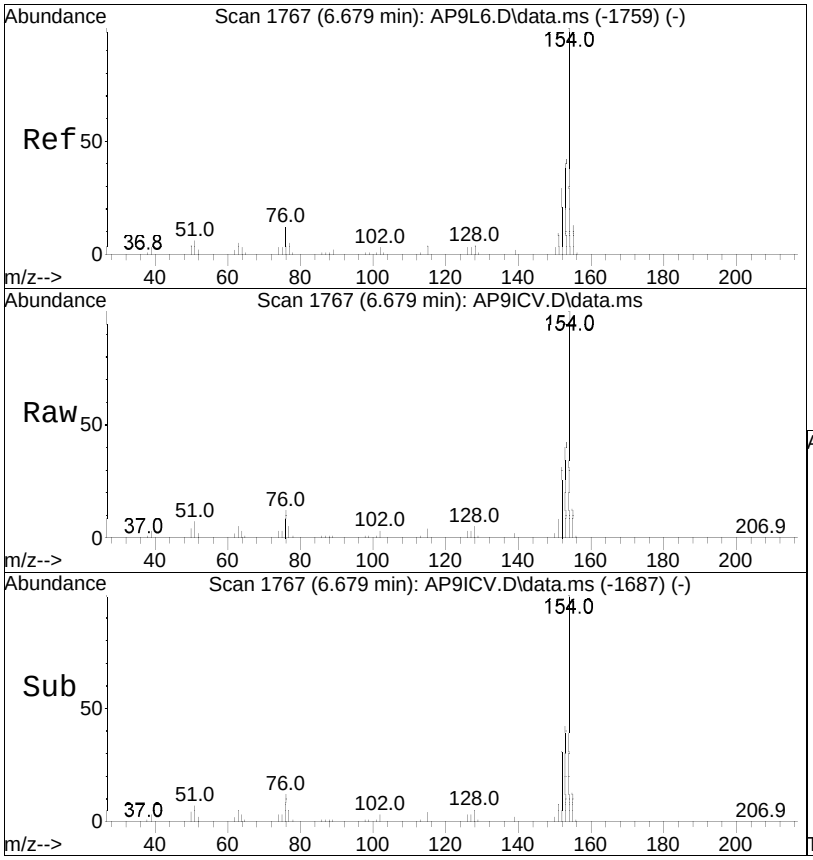


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.41 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:216 Resp: 57983

Ion	Ratio	Lower	Upper
216	100		
214	75.8	63.7	95.5
179	18.4	19.0	28.6#

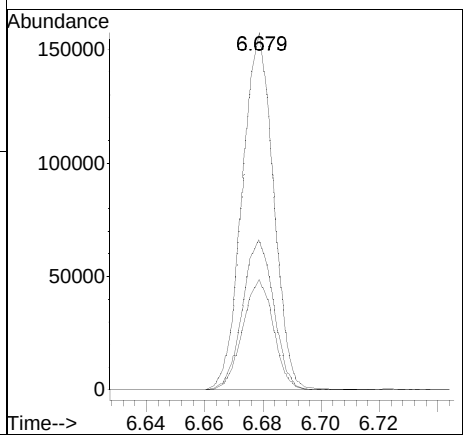


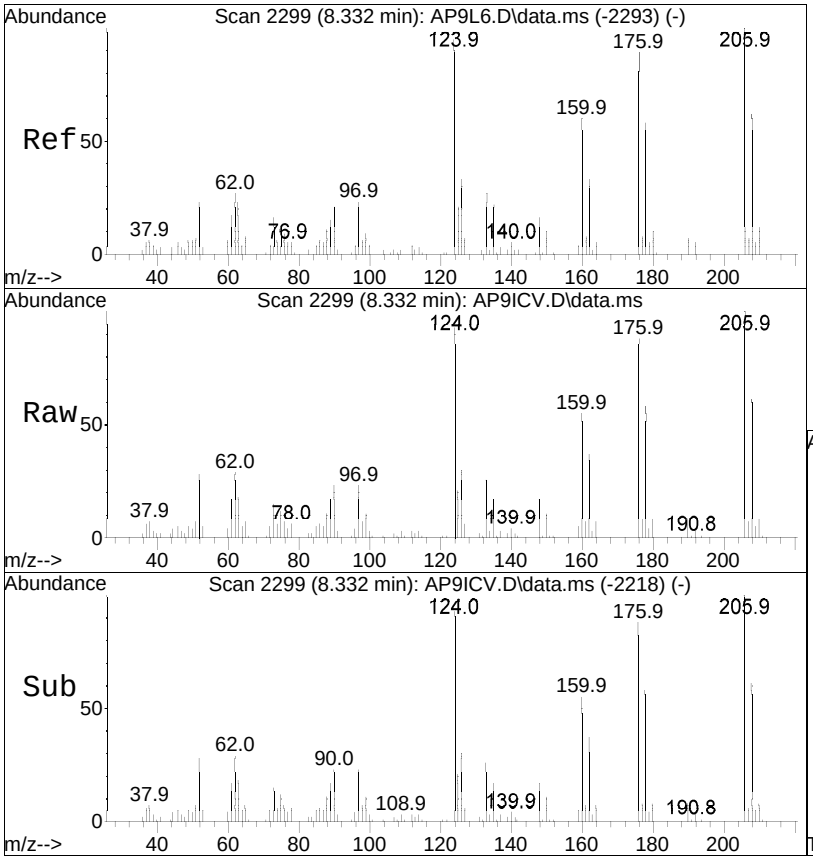


#64
Biphenyl
Concen: 5.37 ug/ml
RT: 6.679 min Scan# 1767
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:154 Resp: 117373

Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	30.6	22.5	33.7

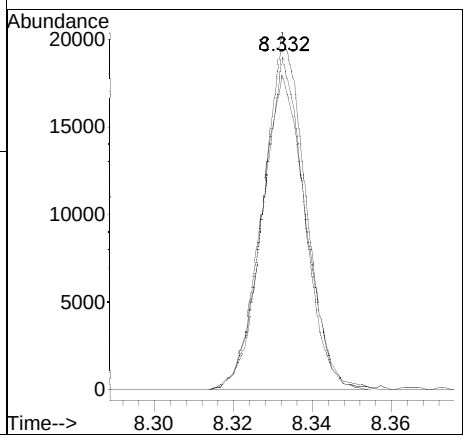


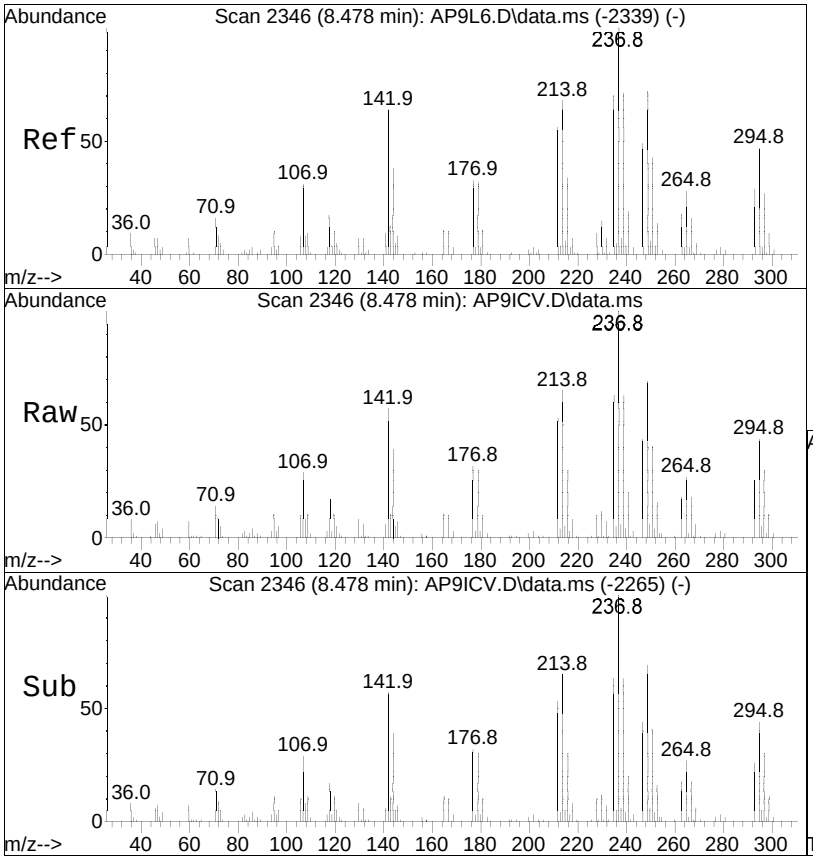


#86
Dichloran
Concen: 5.35 ug/ml
RT: 8.332 min Scan# 2299
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:206 Resp: 14931

Ion	Ratio	Lower	Upper
206	100		
176	92.1	104.6	157.0#
124	93.6	130.5	195.7#

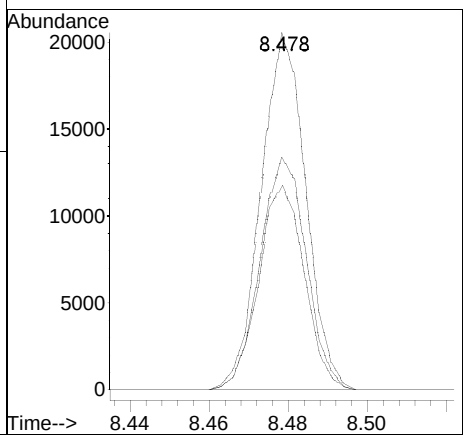


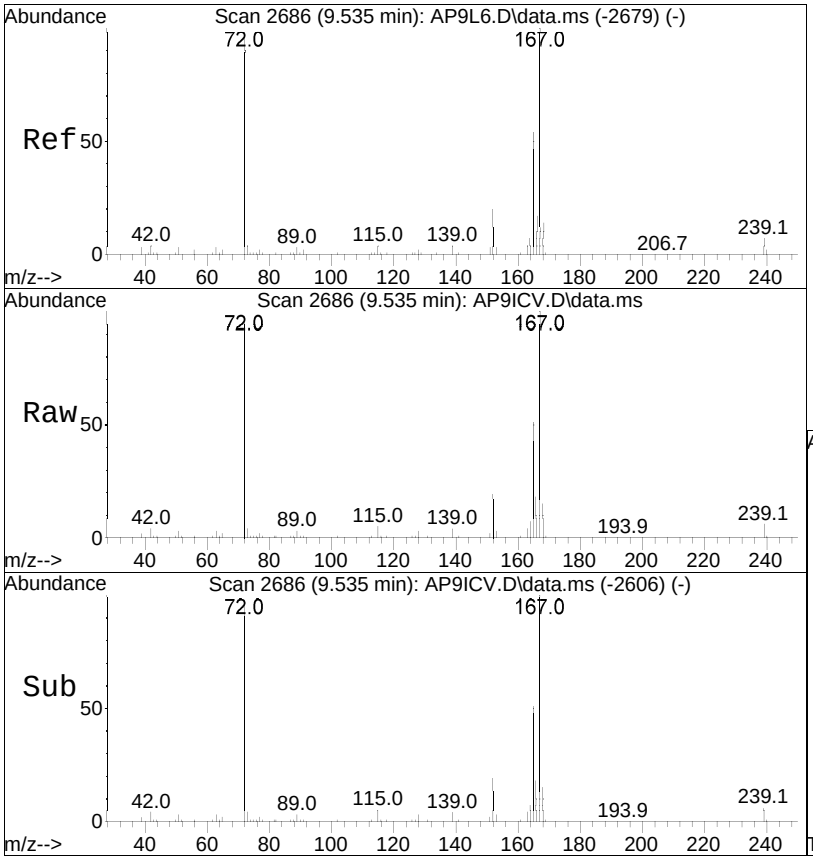


#87
Pentachloronitrobenzene
Concen: 5.23 ug/ml
RT: 8.478 min Scan# 2346
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:237 Resp: 16109

Ion	Ratio	Lower	Upper
237	100		
142	58.5	77.0	115.4#
214	67.2	58.2	87.4

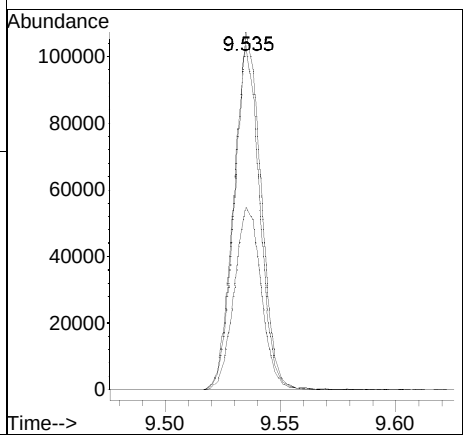




#101
Diphenamid
Concen: 5.61 ug/ml
RT: 9.535 min Scan# 2686
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:167 Resp: 84796

Ion	Ratio	Lower	Upper
167	100		
72	95.3	109.7	164.5#
165	52.6	41.8	62.6



Manual Integration Report

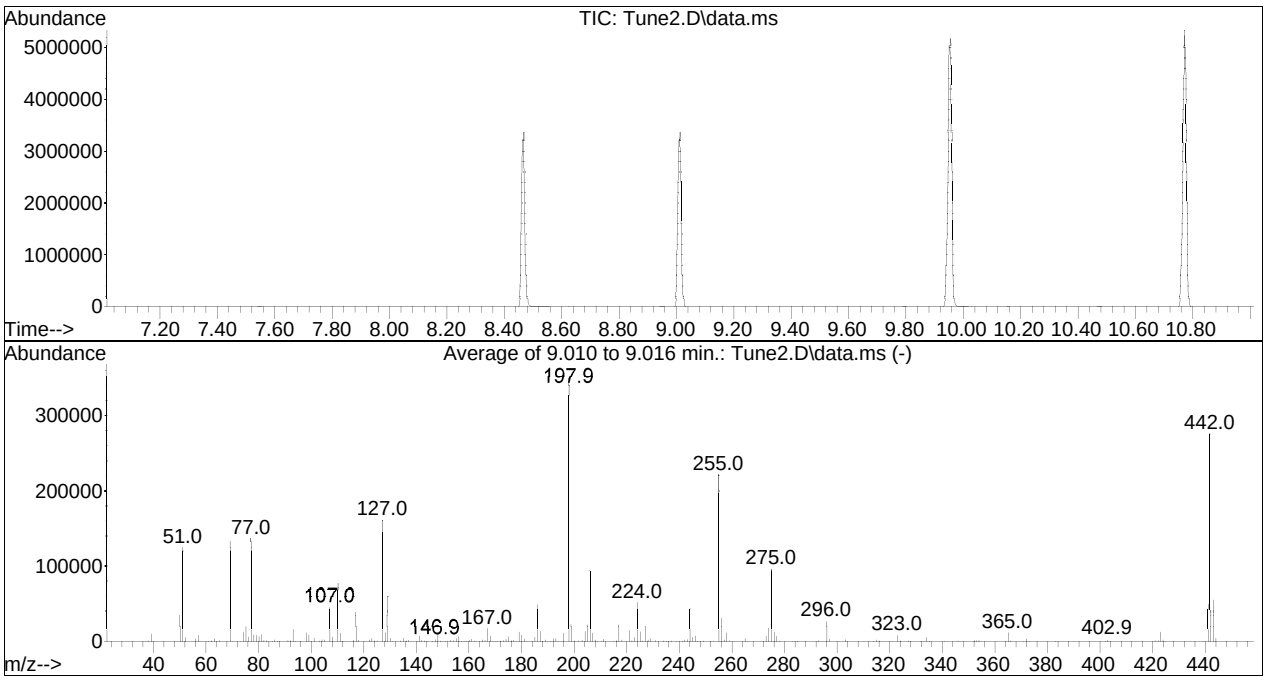
Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9ICV.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 12:23 am	Instrument	: Dakota
Sample	: CQICV2,32,,AP9ICV Lot# 111	Quant Date	: 11/6/2024 10:19 am

There are no manual integrations or false positives in this file.

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024



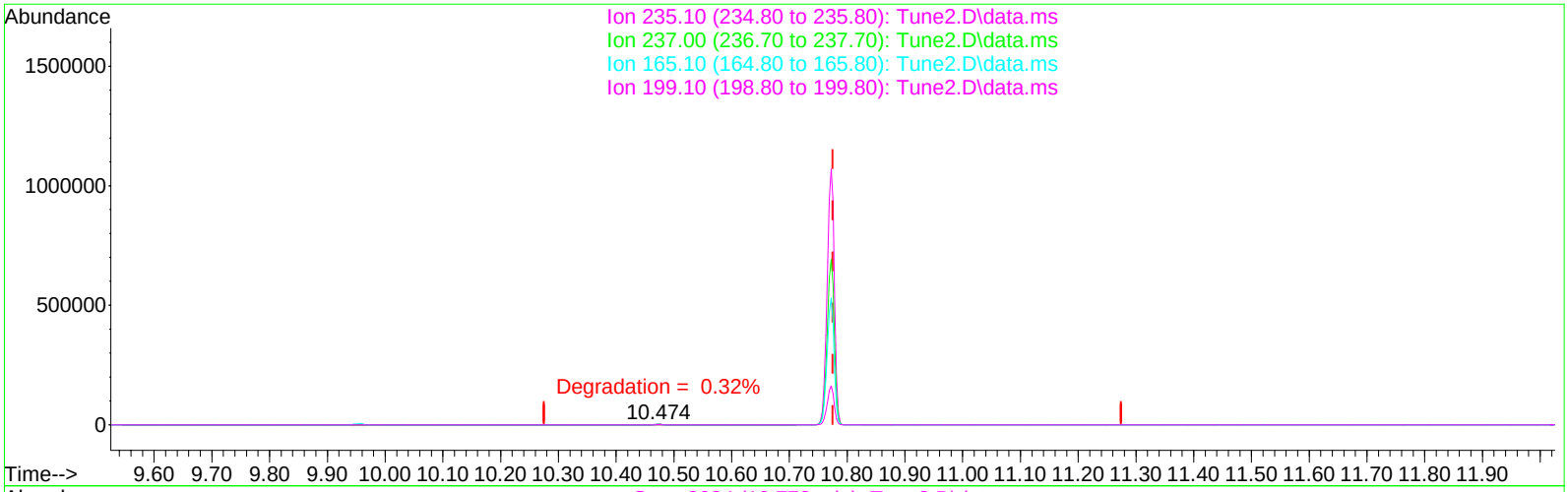
Spectrum Information: Average of 9.010 to 9.016 min.

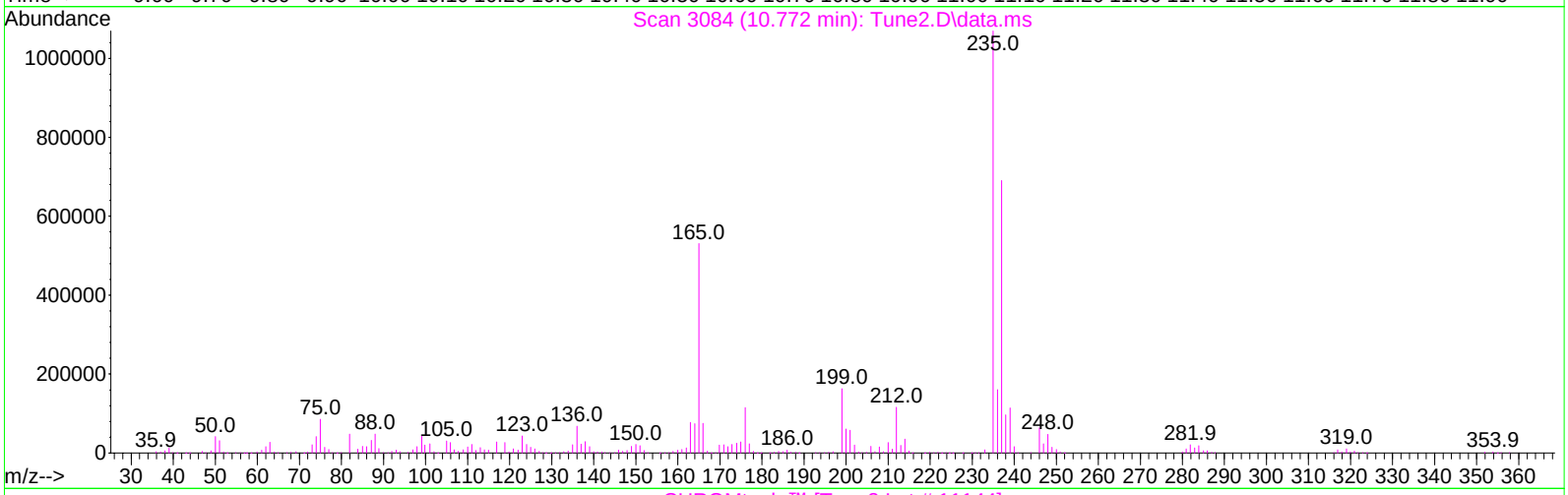
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.4	124264	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	132925	PASS
70	69	0.00	2	0.6	743	PASS
127	198	10	80	45.9	160797	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	350613	PASS
199	198	5	9	6.6	23221	PASS
275	198	10	60	27.4	95952	PASS
365	198	1	100	3.3	11616	PASS
441	442	0.01	24	17.8	49075	PASS
442	198	50	100	78.8	276117	PASS
443	442	15	24	19.8	54664	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(6) DDT (T)

10.772min (-0.003) 153.25

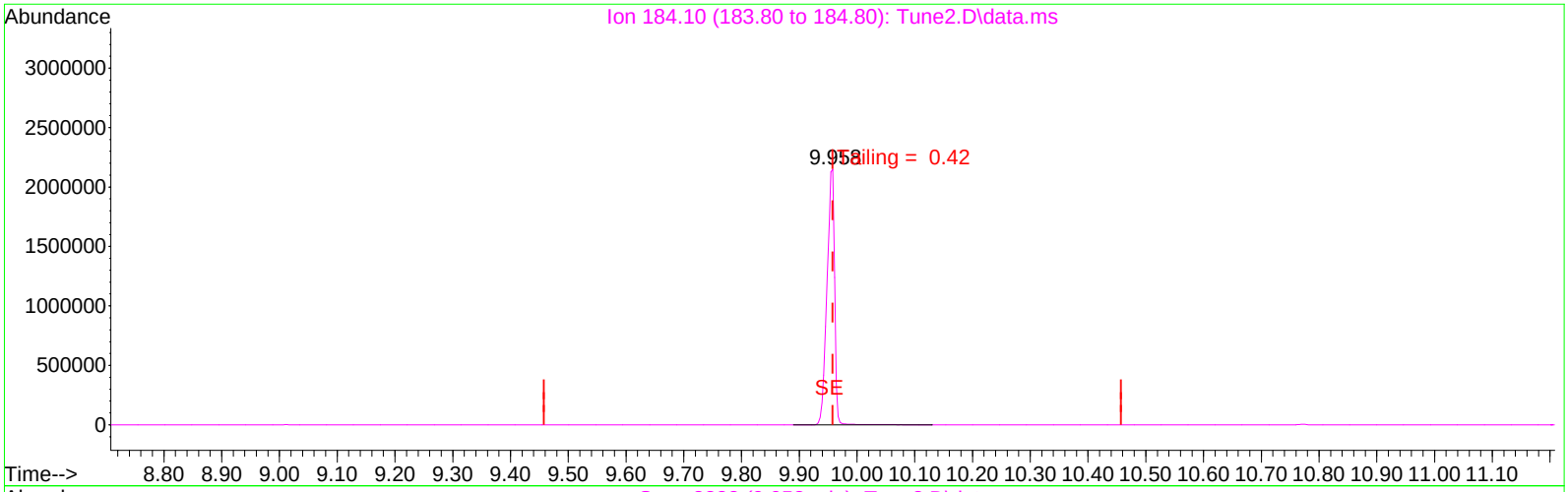
response 934167

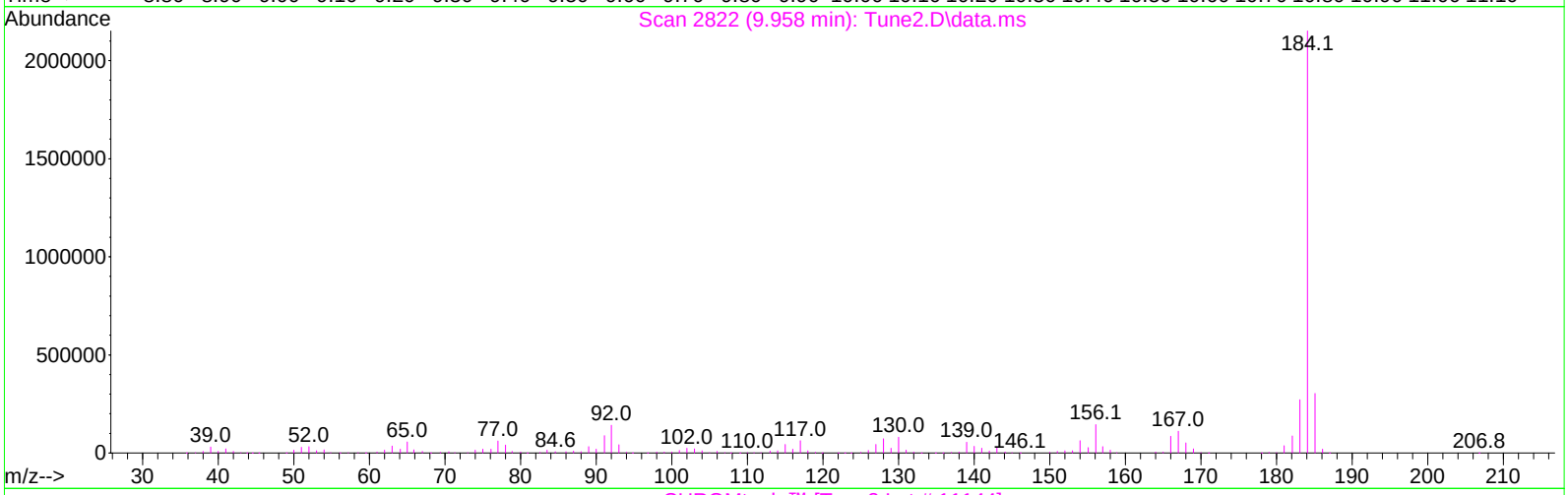
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.21
165.10	48.70	47.94
199.10	15.80	14.64

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(3) Benzidine (T)

9.958min (-0.000) 193.14

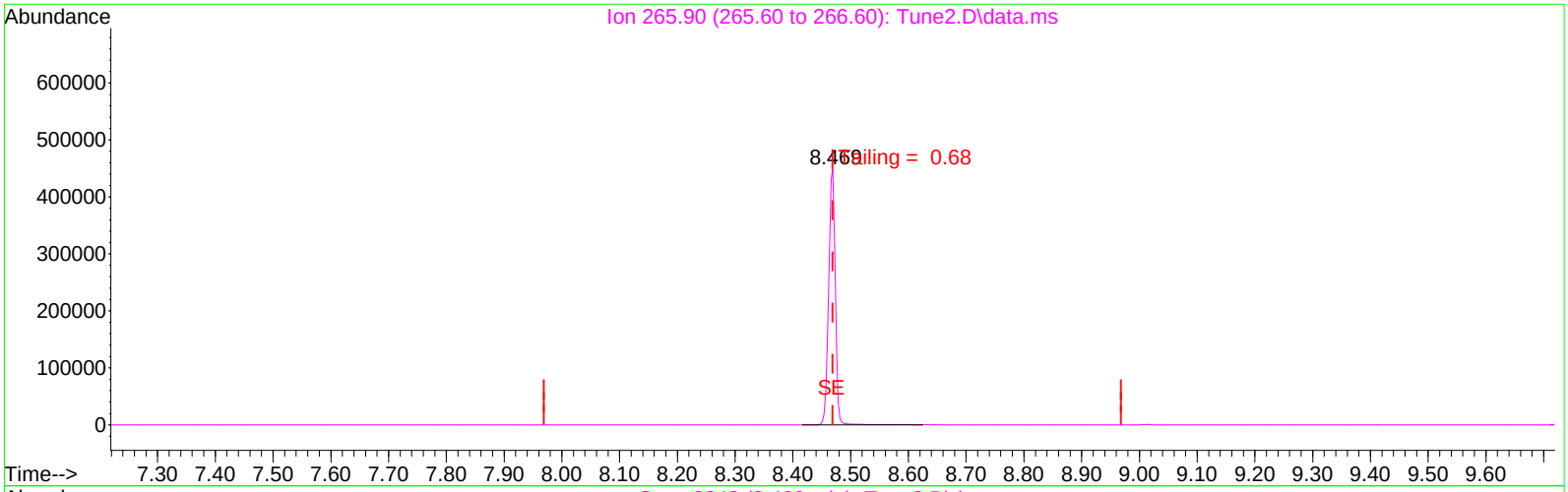
response 1966199

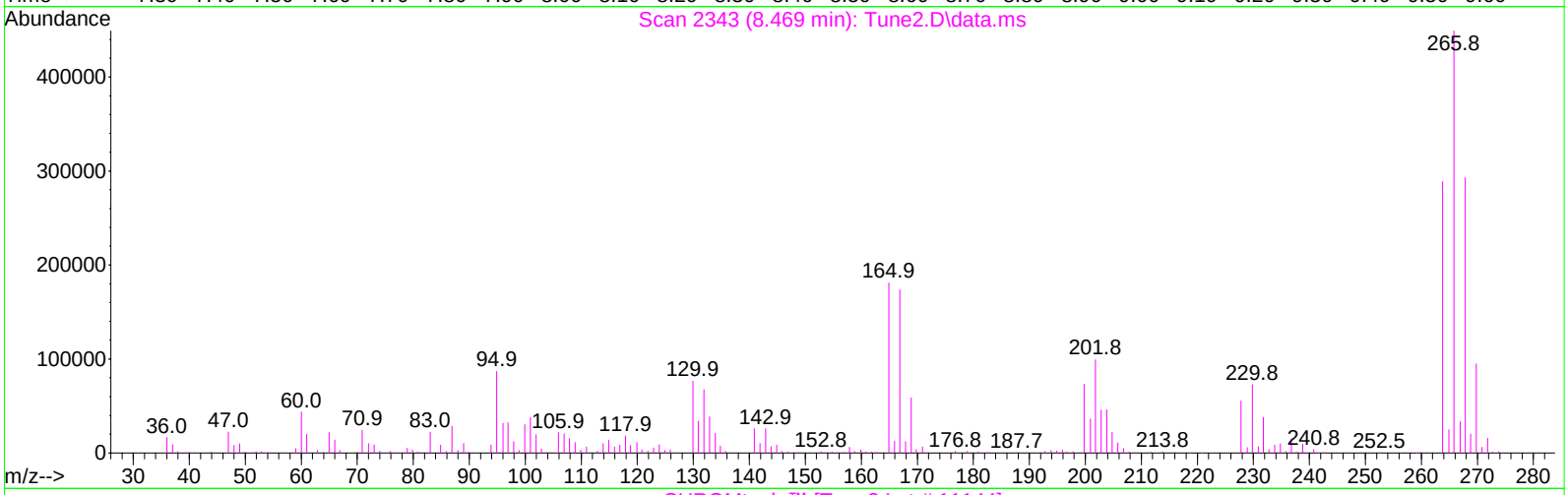
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(1) Pentachlorophenol (T)

8.469min (+ 0.000) 171.00

response 359167

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\241105RVTICAL\
Data File : ADPL9.D
Acq On : 6 Nov 2024 1:10 am
Operator : Dakota:HNY
Sample : IL2,32,,ADPL50 Lot# 11129
Misc : WG1994500
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 06 09:33:16 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	28999	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	107.27%		
88) IS3_Acenaphthene-d10	7.210	164	65804	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	108.67%		
102) IS3_Phenanthrene-d10	8.622	188	145427	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	108.63%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.392	88	141959	49.972	ug/ml#	86
34) n-Nitrosodiethylamine	3.204	102	152387	54.276	ug/ml#	58
35) n-Decane	4.186	57	401118	48.893	ug/ml#	31
36) n-Nitrosopyrrolidine	4.668	100	194528	56.865	ug/ml#	76
89) Atrazine	8.432	200	329261	44.732	ug/ml	91
103) n-Octadecane	8.637	57	671578	53.256	ug/ml#	1
104) Parathion	9.423	109	209761	74.031	ug/ml	95
105) 3,3'-Dimethylbenzidine	10.670	212	1582279	46.887	ug/ml	99

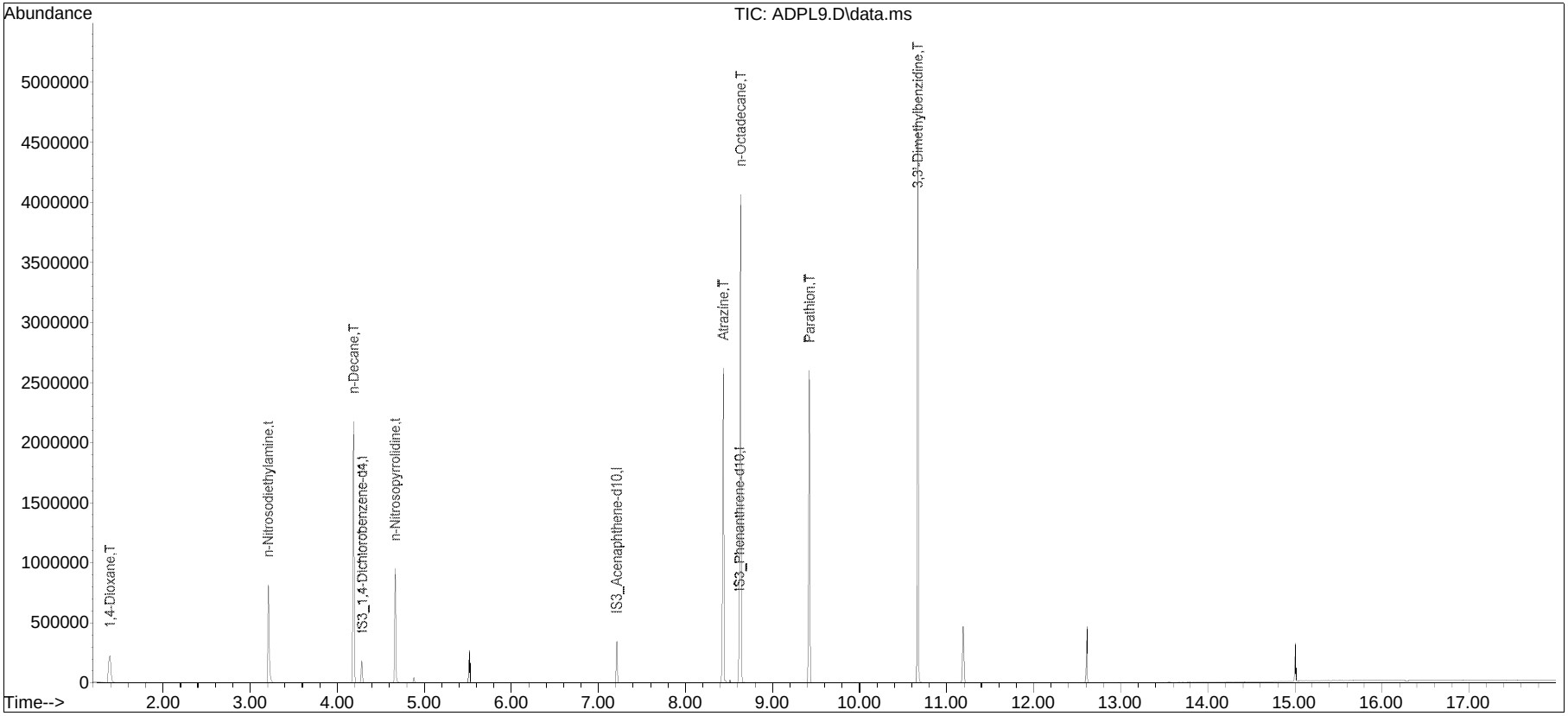
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL9.D
Acq On : 6 Nov 2024 1:10 am
Operator : Dakota:HNY
Sample : IL2,32,,ADPL50 Lot# 11129
Misc : WG1994500
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 06 09:33:16 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL9.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:10 am	Instrument	: Dakota
Sample	: IL2,32,,ADPL50 Lot# 11129	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL8.D
Acq On : 6 Nov 2024 1:33 am
Operator : Dakota:HNY
Sample : IL3,32,,ADPL25 Lot# 11130
Misc : WG1994500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 06 09:32:37 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	29582	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	109.43%		
88) IS3_Acenaphthene-d10	7.210	164	67966	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.24%		
102) IS3_Phenanthrene-d10	8.624	188	154856	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	115.67%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	75610	26.091	ug/ml#	85
34) n-Nitrosodiethylamine	3.207	102	80879	28.239	ug/ml#	59
35) n-Decane	4.186	57	214035	25.575	ug/ml#	31
36) n-Nitrosopyrrolidine	4.665	100	101610	29.118	ug/ml#	75
89) Atrazine	8.429	200	170370	22.409	ug/ml	91
103) n-Octadecane	8.637	57	356815	26.572	ug/ml#	1
104) Parathion	9.423	109	102258	33.893	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.666	212	818111	22.767	ug/ml	99

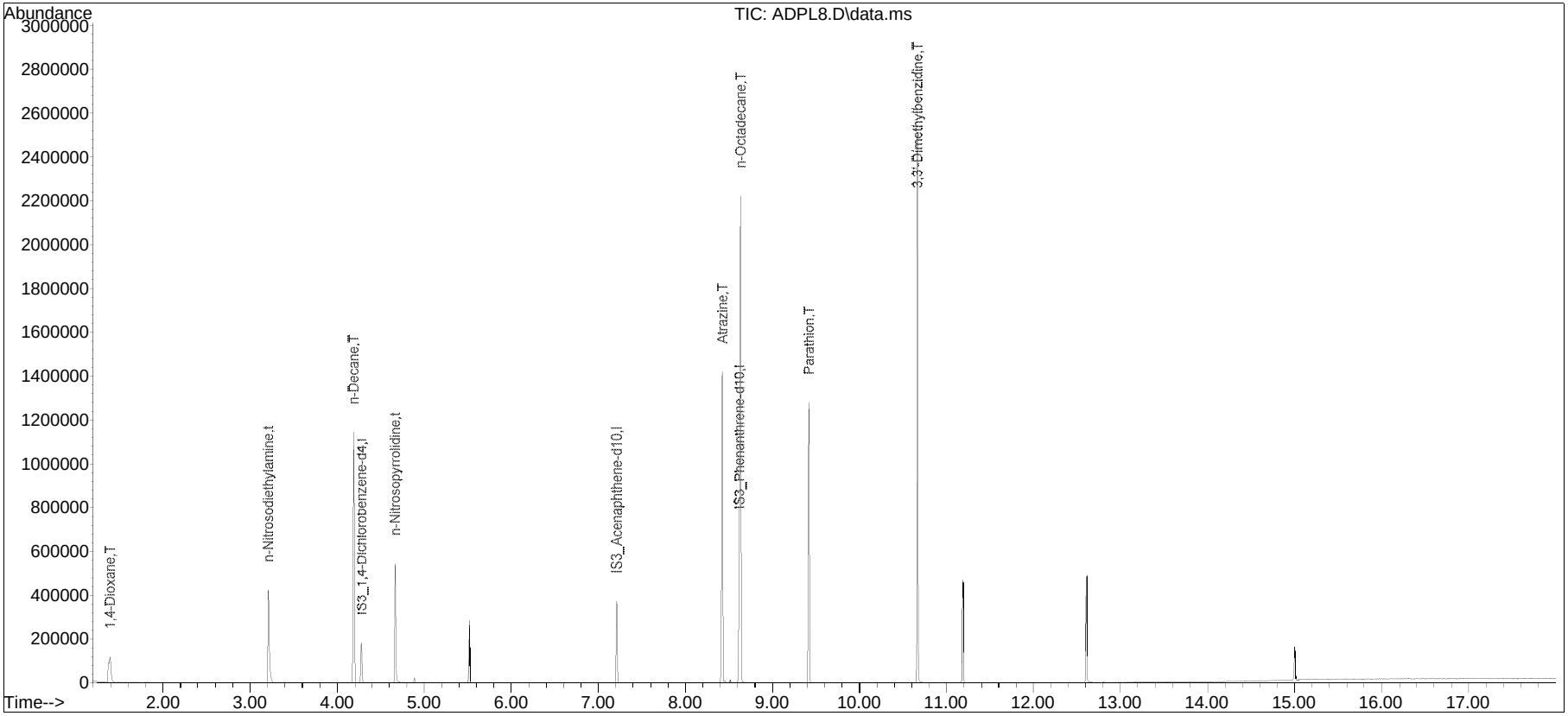
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL8.D
Acq On : 6 Nov 2024 1:33 am
Operator : Dakota:HNY
Sample : IL3,32,,ADPL25 Lot# 11130
Misc : WG1994500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 06 09:32:37 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL8.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:33 am	Instrument	: Dakota
Sample	: IL3,32,,ADPL25 Lot# 11130	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL7.D
Acq On : 6 Nov 2024 1:56 am
Operator : Dakota:HNY
Sample : IL4,32,,ADPL10 Lot# 11131
Misc : WG1994500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 09:32:07 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	28322	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	104.76%		
88) IS3_Acenaphthene-d10	7.210	164	67913	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.15%		
102) IS3_Phenanthrene-d10	8.621	188	151398	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	113.09%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.401	88	28296	10.199	ug/ml#	85
34) n-Nitrosodiethylamine	3.213	102	29305	10.687	ug/ml#	59
35) n-Decane	4.186	57	76941	9.603	ug/ml#	29
36) n-Nitrosopyrrolidine	4.665	100	36910	11.048	ug/ml#	74
89) Atrazine	8.422	200	59430	7.823	ug/ml	91
103) n-Octadecane	8.634	57	131320	10.003	ug/ml#	1
104) Parathion	9.420	109	32544	11.033	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.663	212	277721	7.905	ug/ml	99

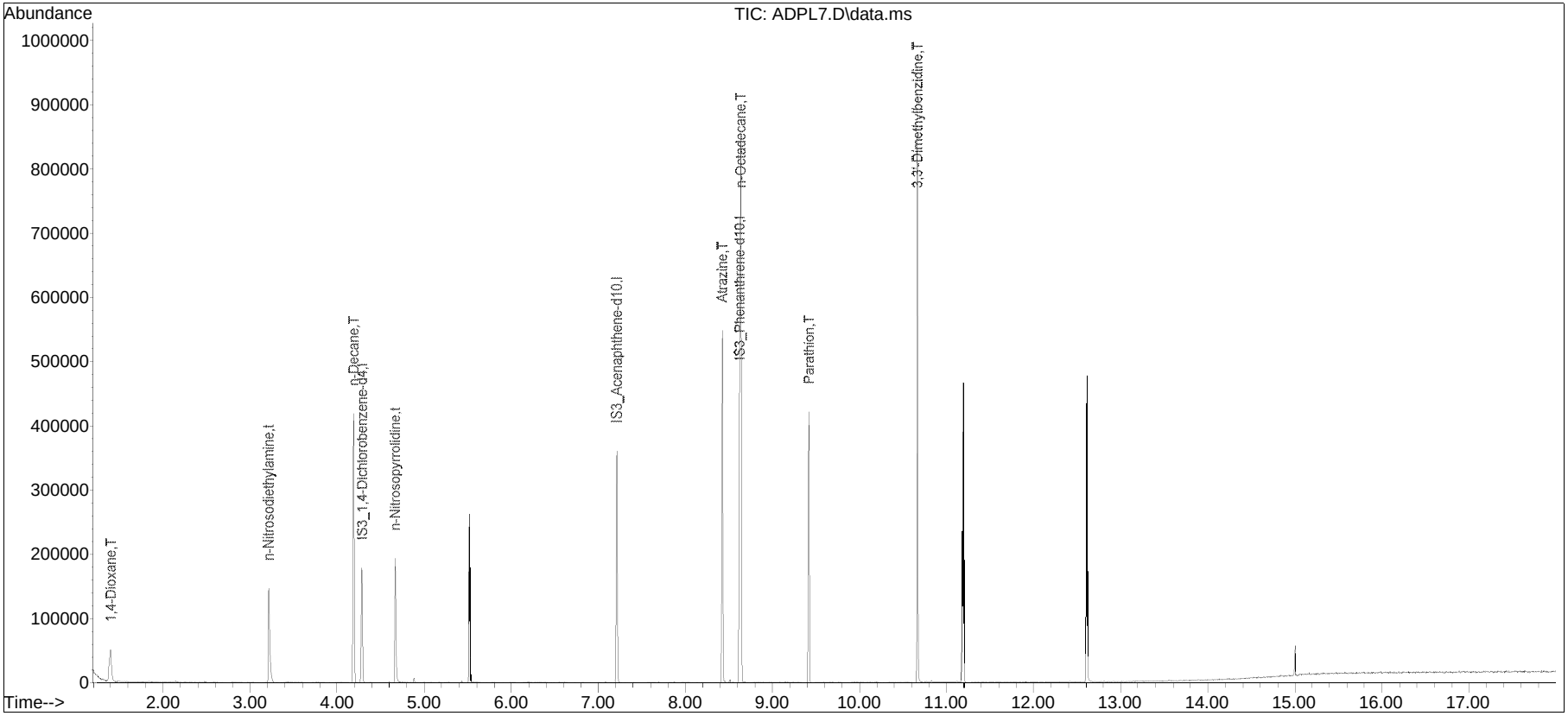
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL7.D
Acq On : 6 Nov 2024 1:56 am
Operator : Dakota:HNY
Sample : IL4,32,,ADPL10 Lot# 11131
Misc : WG1994500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 09:32:07 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:56 am	Instrument	: Dakota
Sample	: IL4,32,,ADPL10 Lot# 11131	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL6.D
Acq On : 6 Nov 2024 2:20 am
Operator : Dakota:HNY
Sample : IL5,32,,ADPL5 Lot# 11132
Misc : WG1994500
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 06 09:31:35 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	27034	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	100.00%		
88) IS3_Acenaphthene-d10	7.210	164	60553	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	100.00%		
102) IS3_Phenanthrene-d10	8.621	188	133879	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	13637	5.149	ug/ml#	86
34) n-Nitrosodiethylamine	3.216	102	13557	5.180	ug/ml#	56
35) n-Decane	4.186	57	37066	4.846	ug/ml#	31
36) n-Nitrosopyrrolidine	4.665	100	16431	5.152	ug/ml#	69
89) Atrazine	8.422	200	25869	3.819	ug/ml	92
103) n-Octadecane	8.634	57	55610	4.790	ug/ml#	1
104) Parathion	9.417	109	12413	4.759	ug/ml	88
105) 3,3'-Dimethylbenzidine	10.660	212	108634	3.497	ug/ml	99

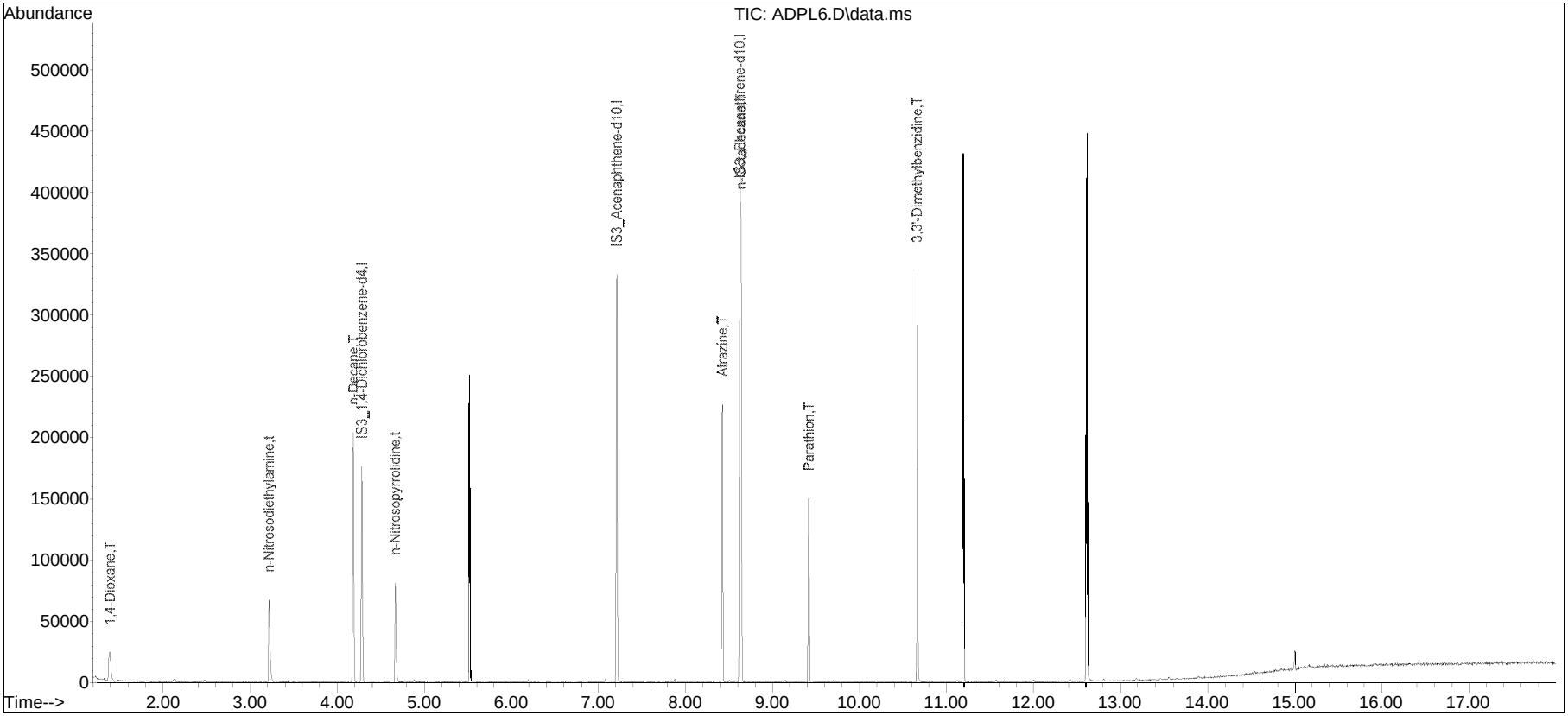
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL6.D
Acq On : 6 Nov 2024 2:20 am
Operator : Dakota:HNY
Sample : IL5,32,,ADPL5 Lot# 11132
Misc : WG1994500
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 06 09:31:35 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 2:20 am	Instrument	: Dakota
Sample	: IL5,32,,ADPL5 Lot# 11132	Quant Date	: 11/6/2024 8:37 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL5.D
Acq On : 6 Nov 2024 2:43 am
Operator : Dakota:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11133
Misc : WG1994500
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 06 09:30:48 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	27964	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	103.44%		
88) IS3_Acenaphthene-d10	7.210	164	63394	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	104.69%		
102) IS3_Phenanthrene-d10	8.621	188	139475	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	104.18%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	6846	2.499	ug/ml#	87
34) n-Nitrosodiethylamine	3.223	102	6674	2.465	ug/ml#	60
35) n-Decane	4.186	57	17770	2.246	ug/ml#	29
36) n-Nitrosopyrrolidine	4.668	100	7709	2.337	ug/ml#	70
89) Atrazine	8.419	200	12402	1.749	ug/ml	90
103) n-Octadecane	8.634	57	26941	2.228	ug/ml#	1
104) Parathion	9.417	109	5990	2.204	ug/ml	91
105) 3,3'-Dimethylbenzidine	10.660	212	47257	1.460	ug/ml	99

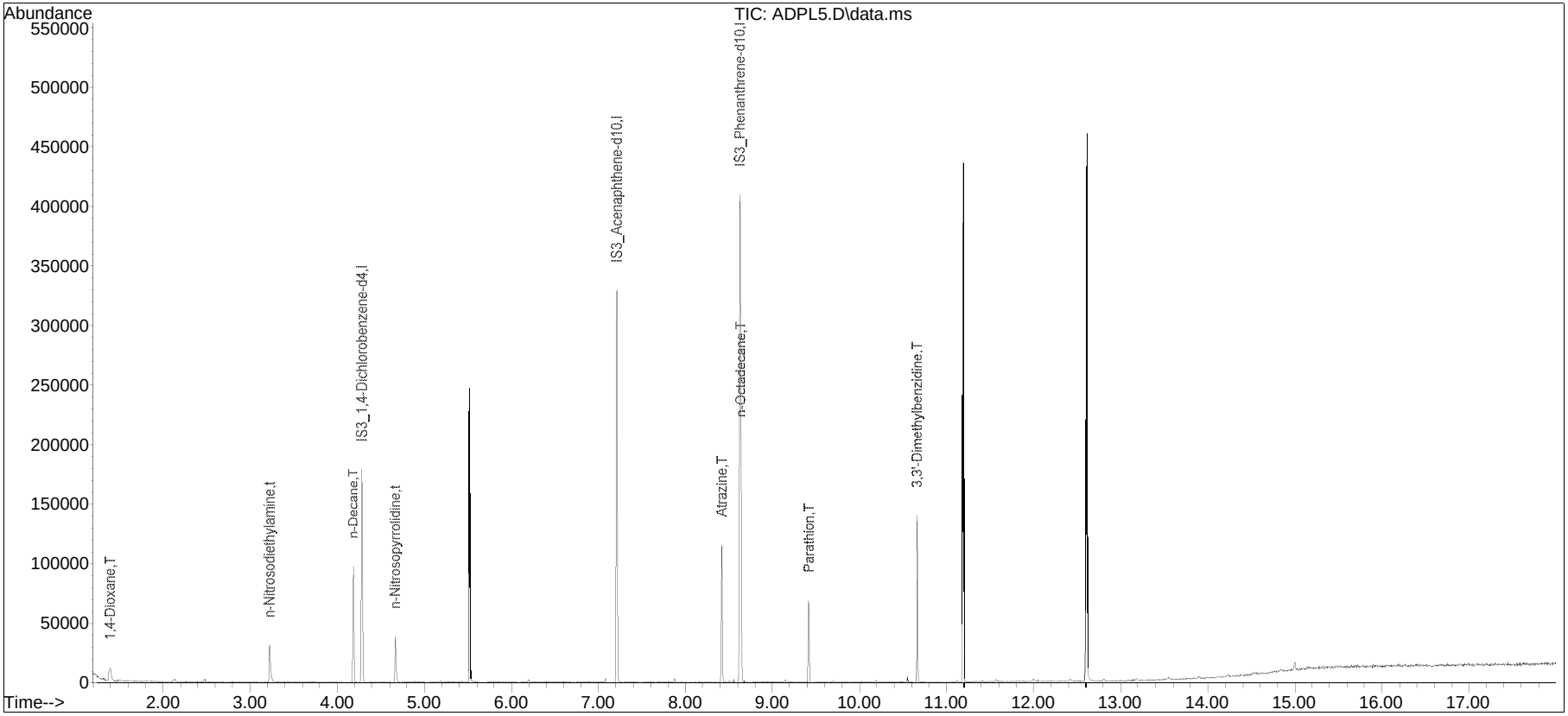
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL5.D
Acq On : 6 Nov 2024 2:43 am
Operator : Dakota:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11133
Misc : WG1994500
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 06 09:30:48 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL5.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 2:43 am	Instrument	: Dakota
Sample	: IL6,32,,ADPL2.5 Lot# 11133	Quant Date	: 11/6/2024 8:36 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL4.D
Acq On : 6 Nov 2024 3:07 am
Operator : Dakota:HNY
Sample : IL7,32,,ADPL1 Lot# 11134
Misc : WG1994500
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 09:30:26 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.282	152	30288	4.000	ug/ml	0.00
	Standard Area 1 = 27034			Recovery =	112.04%		
88)	IS3_Acenaphthene-d10	7.210	164	68614	4.000	ug/ml	0.00
	Standard Area 1 = 60553			Recovery =	113.31%		
102)	IS3_Phenanthrene-d10	8.621	188	152054	4.000	ug/ml	0.00
	Standard Area 1 = 133879			Recovery =	113.58%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.398	88	3010M1	1.014	ug/ml	
34)	n-Nitrosodiethylamine	3.229	102	2624	0.895	ug/ml#	47
35)	n-Decane	4.186	57	7320	0.854	ug/ml#	28
36)	n-Nitrosopyrrolidine	4.671	100	3260	0.912	ug/ml#	72
89)	Atrazine	8.419	200	4884	0.636	ug/ml	90
103)	n-Octadecane	8.634	57	11002	0.834	ug/ml#	1
104)	Parathion	9.417	109	2346	0.792	ug/ml#	80
105)	3,3'-Dimethylbenzidine	10.660	212	16174	0.458	ug/ml	97

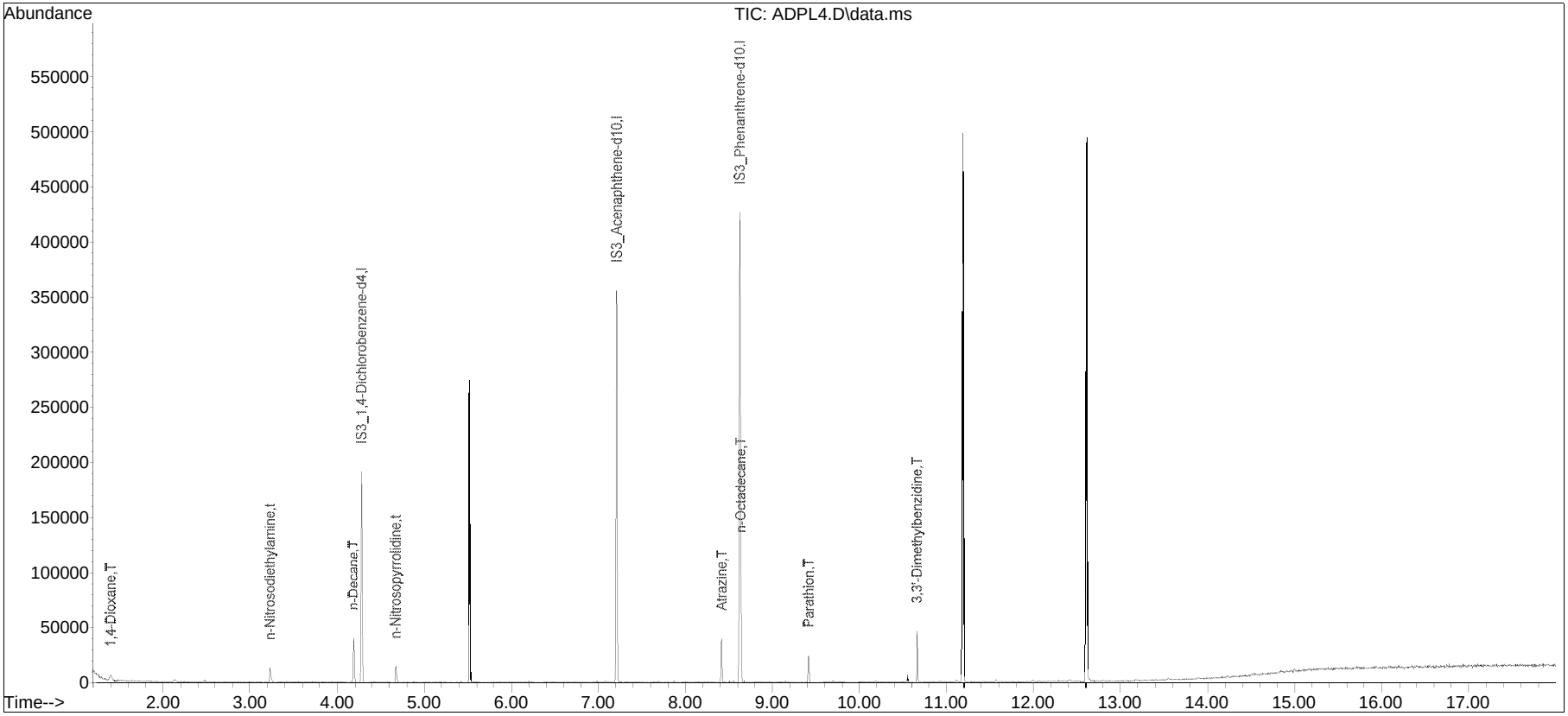
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL4.D
Acq On : 6 Nov 2024 3:07 am
Operator : Dakota:HNY
Sample : IL7,32,,ADPL1 Lot# 11134
Misc : WG1994500
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 09:30:26 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

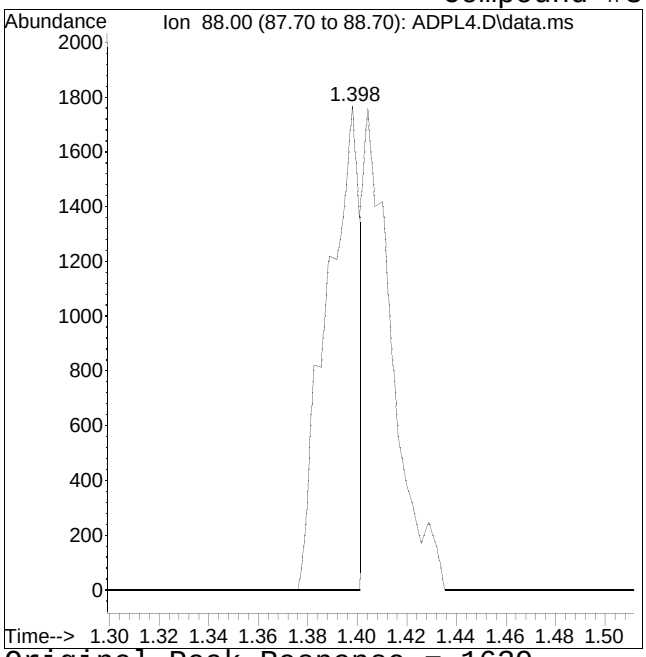
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

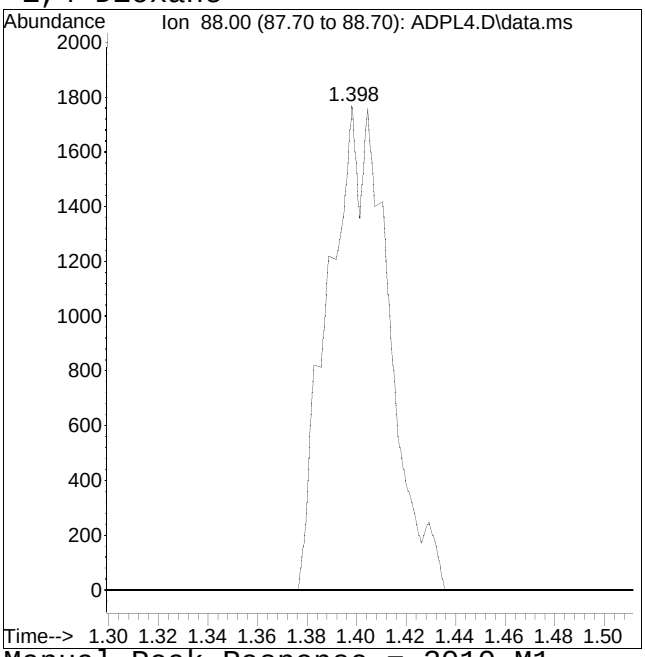


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL4.D
Date Inj'd : 11/6/2024 3:07 am
Sample : IL7,32,,ADPL1 Lot# 11134
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane





Original Peak Response = 1639 Manual Peak Response = 3010 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL3.D
Acq On : 6 Nov 2024 3:30 am
Operator : Dakota:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11135
Misc : WG1994500
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 06 09:29:58 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	29927	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	110.70%		
88) IS3_Acenaphthene-d10	7.207	164	68245	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.70%		
102) IS3_Phenanthrene-d10	8.621	188	156900	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	117.20%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.411	88	1504M1	0.513	ug/ml	
34) n-Nitrosodiethylamine	3.235	102	1392	0.480	ug/ml#	26
35) n-Decane	4.186	57	4118	0.486	ug/ml#	27
36) n-Nitrosopyrrolidine	4.674	100	1725	0.489	ug/ml#	56
89) Atrazine	8.419	200	3137	0.411	ug/ml	91
103) n-Octadecane	8.634	57	6958	0.511	ug/ml#	1
104) Parathion	9.420	109	1494	0.489	ug/ml	91
105) 3,3'-Dimethylbenzidine	10.660	212	8441	0.232	ug/ml	96

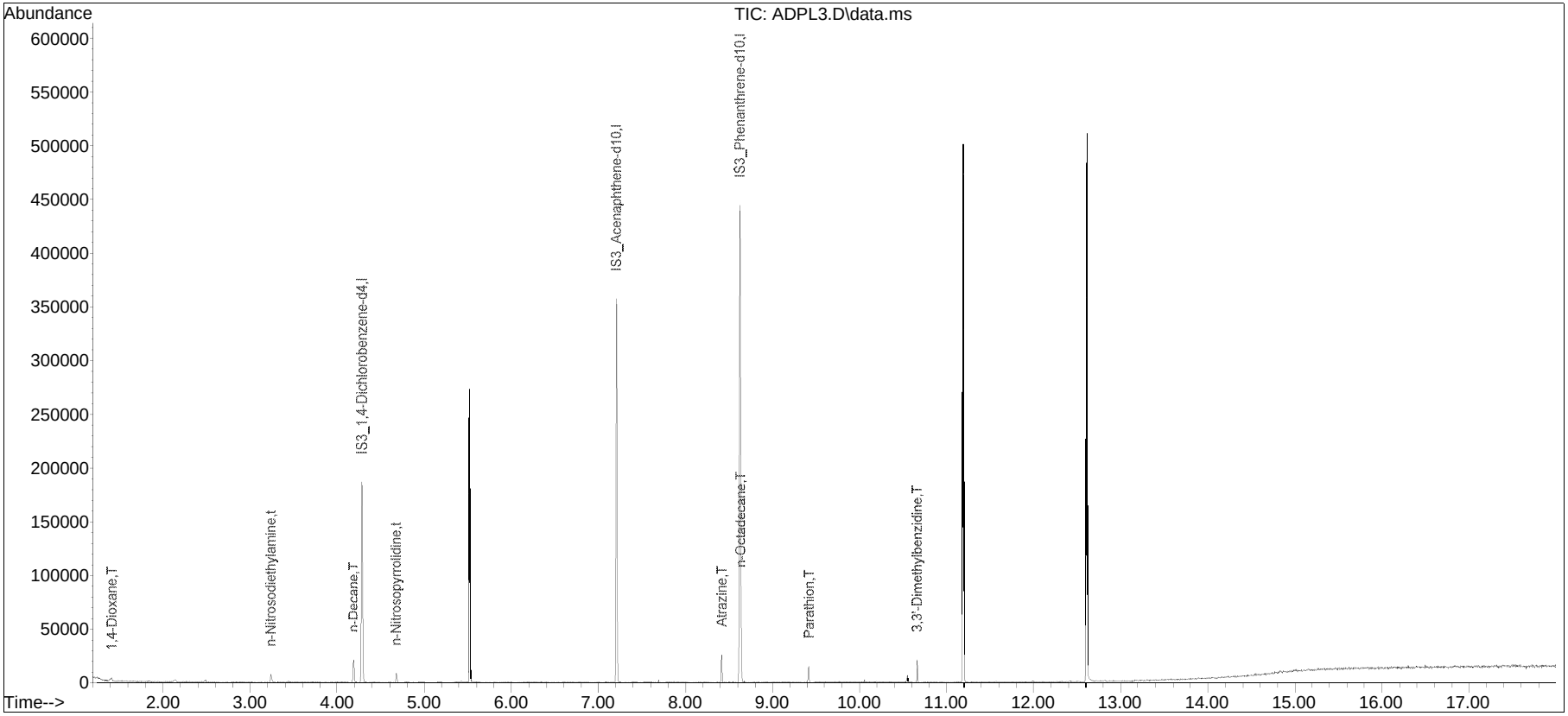
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL3.D
Acq On : 6 Nov 2024 3:30 am
Operator : Dakota:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11135
Misc : WG1994500
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 06 09:29:58 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

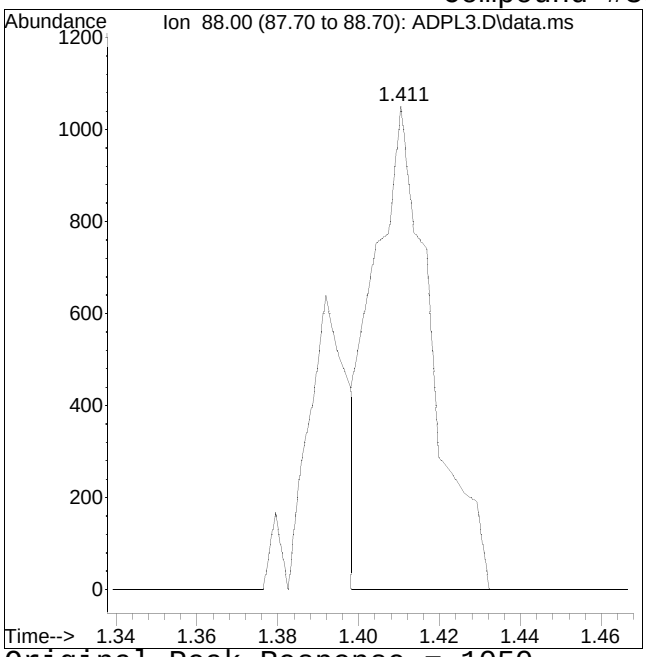
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

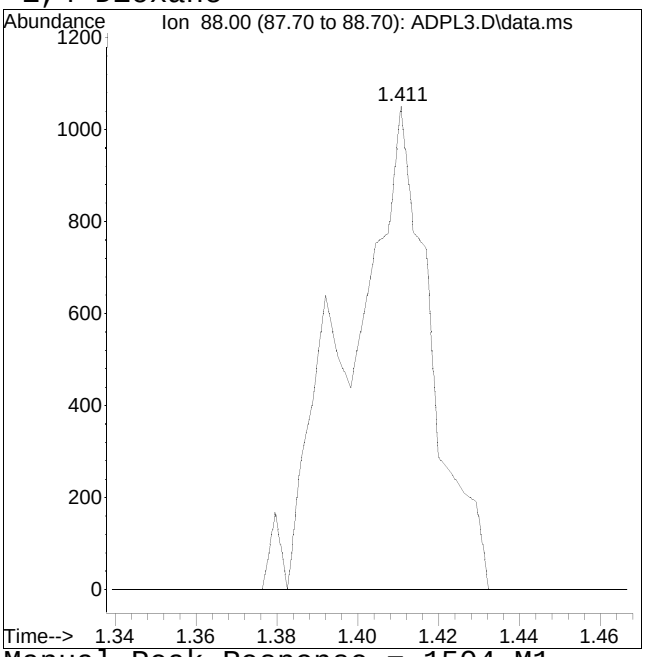


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL3.D
Date Inj'd : 11/6/2024 3:30 am
Sample : IL8,32,,ADPL0.5 Lot# 11135
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane





Original Peak Response = 1050 Manual Peak Response = 1504 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL2.D
Acq On : 6 Nov 2024 3:53 am
Operator : Dakota:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11136
Misc : WG1994500
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 06 09:28:51 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	29865	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	110.47%		
88) IS3_Acenaphthene-d10	7.210	164	67326	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	111.19%		
102) IS3_Phenanthrene-d10	8.621	188	154573	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	115.46%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.411	88	377M2	0.129	ug/ml	
34) n-Nitrosodiethylamine	3.244	102	521	0.180	ug/ml#	29
35) n-Decane	4.186	57	1604	0.190	ug/ml#	29
36) n-Nitrosopyrrolidine	4.680	100	607	0.172	ug/ml#	44
89) Atrazine	8.416	200	1084	0.144	ug/ml#	33
103) n-Octadecane	8.634	57	2734	0.204	ug/ml#	1
104) Parathion	9.420	109	542	0.180	ug/ml#	79
105) 3,3'-Dimethylbenzidine	10.657	212	909	0.025	ug/ml#	62

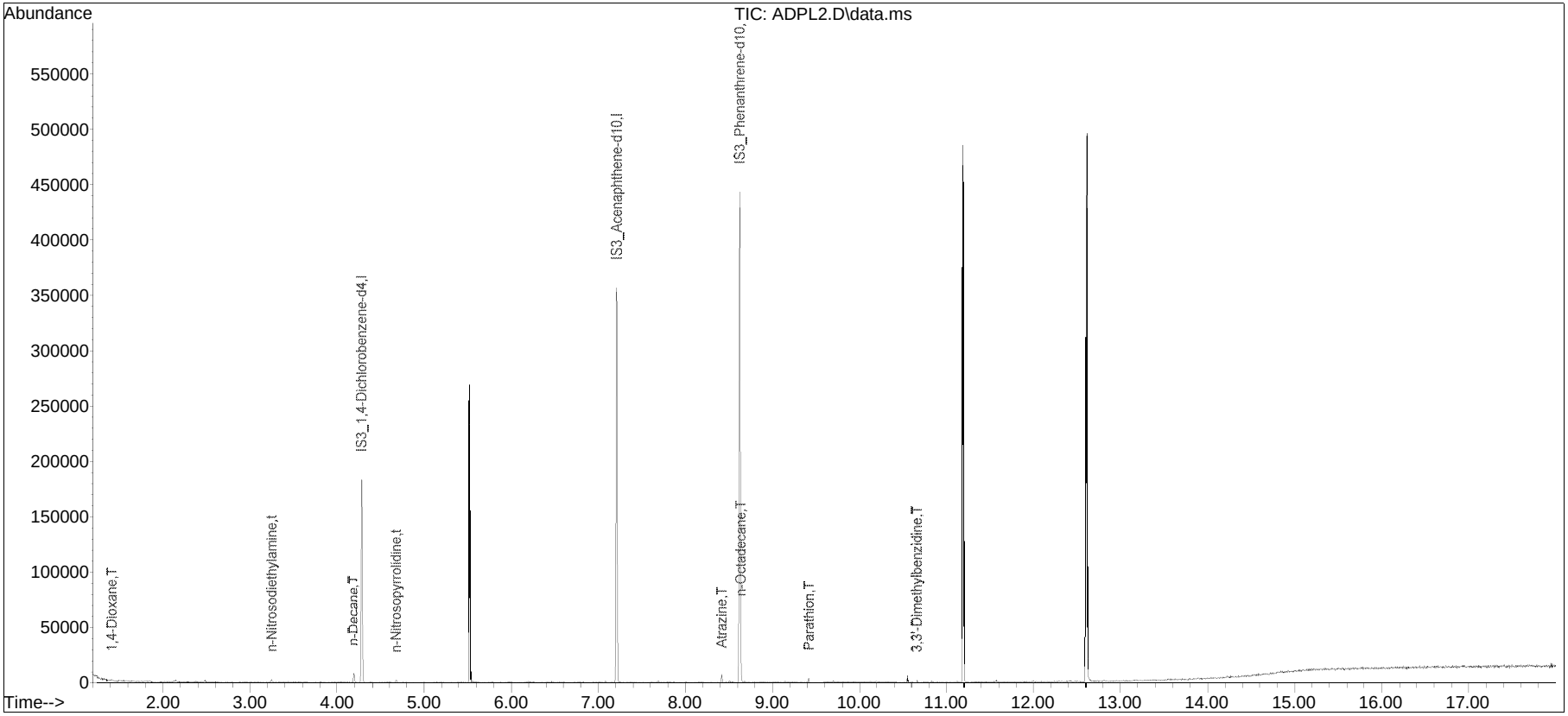
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL2.D
Acq On : 6 Nov 2024 3:53 am
Operator : Dakota:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11136
Misc : WG1994500
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 06 09:28:51 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

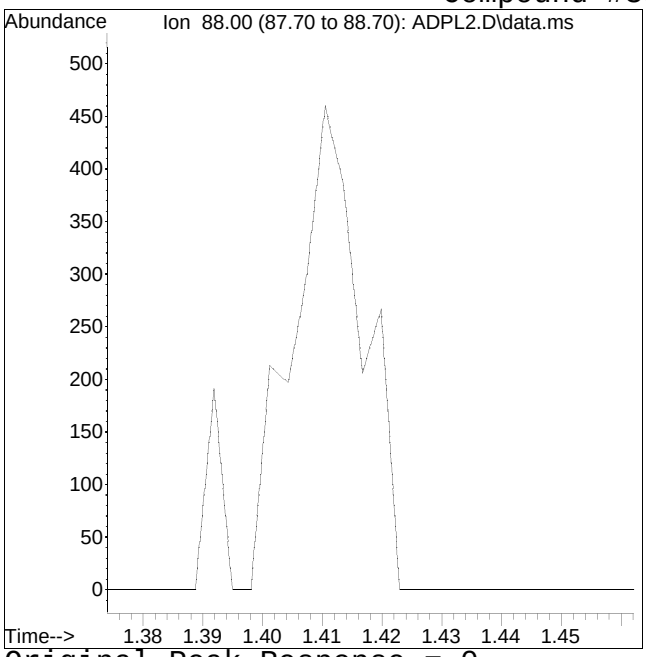
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



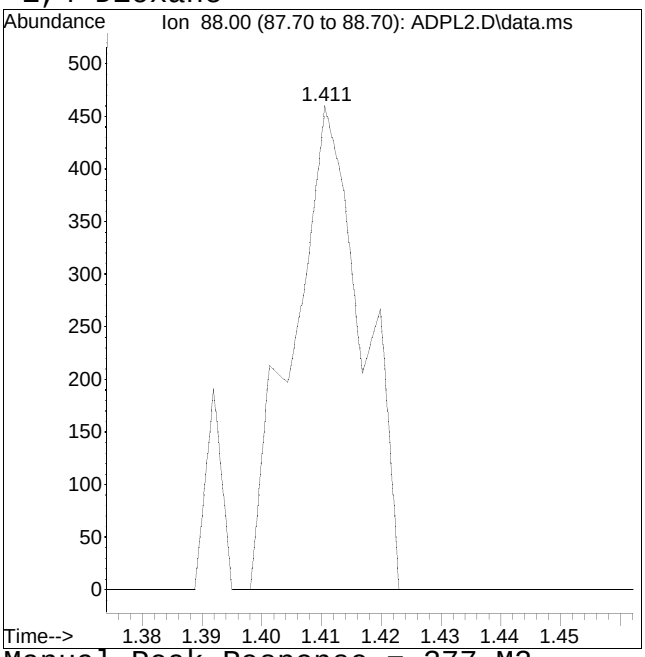
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL2.D
Date Inj'd : 11/6/2024 3:53 am
Sample : IL9,32,,ADPL0.2 Lot# 11136
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 377 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL1.D
Acq On : 6 Nov 2024 4:17 am
Operator : Dakota:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11137
Misc : WG1994500
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 06 09:28:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	27472	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	101.62%		
88) IS3_Acenaphthene-d10	7.210	164	60699	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	100.24%		
102) IS3_Phenanthrene-d10	8.621	188	137822	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	102.95%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.401	88	71M2	0.026	ug/ml	
34) n-Nitrosodiethylamine	3.244	102	122M2	0.046	ug/ml	
35) n-Decane	4.183	57	569	0.073	ug/ml#	42
36) n-Nitrosopyrrolidine	4.683	100	197M2	0.061	ug/ml	
89) Atrazine	8.416	200	466M2	0.069	ug/ml	
103) n-Octadecane	8.634	57	961	0.080	ug/ml#	1
104) Parathion	9.417	109	181M2	0.067	ug/ml	
105) 3,3'-Dimethylbenzidine	10.663	212	69M4	0.002	ug/ml	

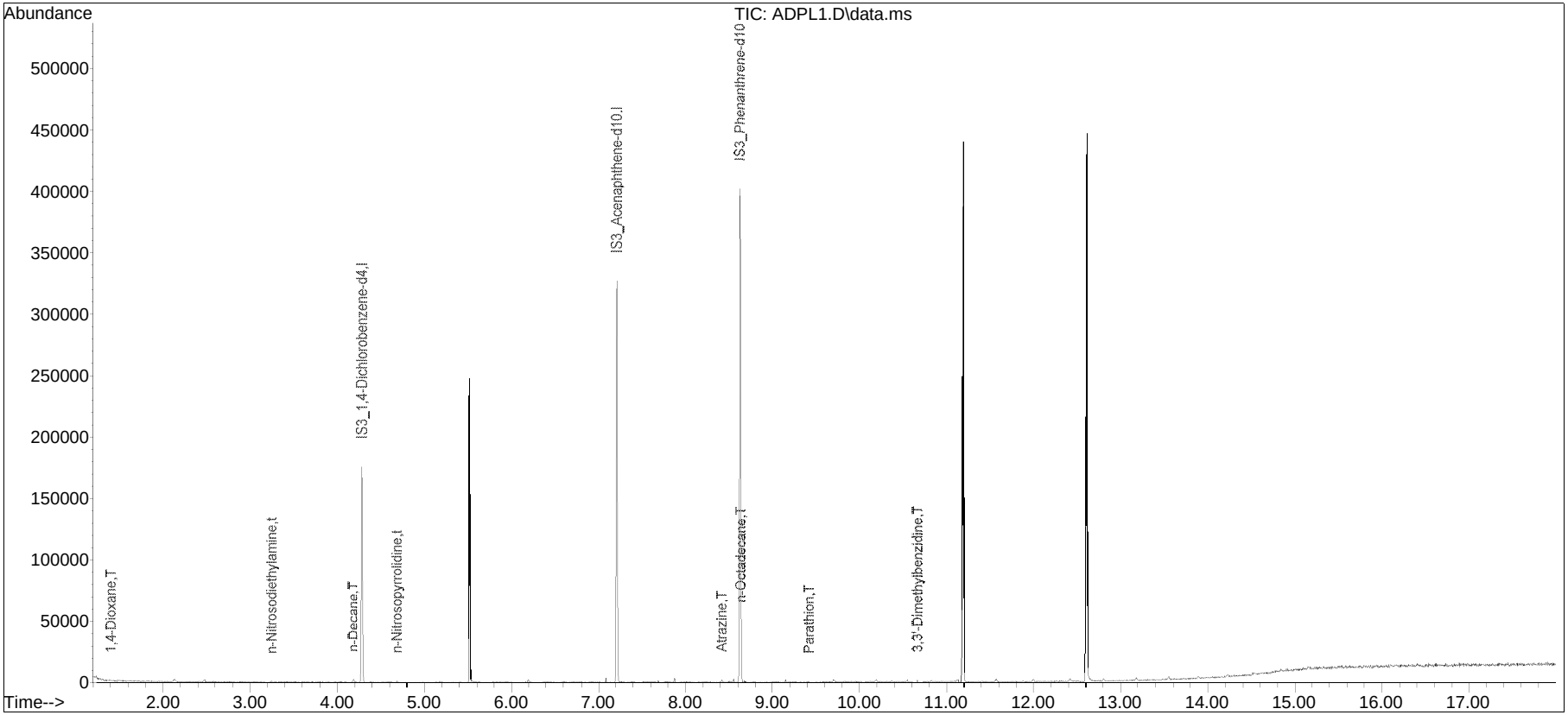
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL1.D
Acq On : 6 Nov 2024 4:17 am
Operator : Dakota:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11137
Misc : WG1994500
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 06 09:28:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

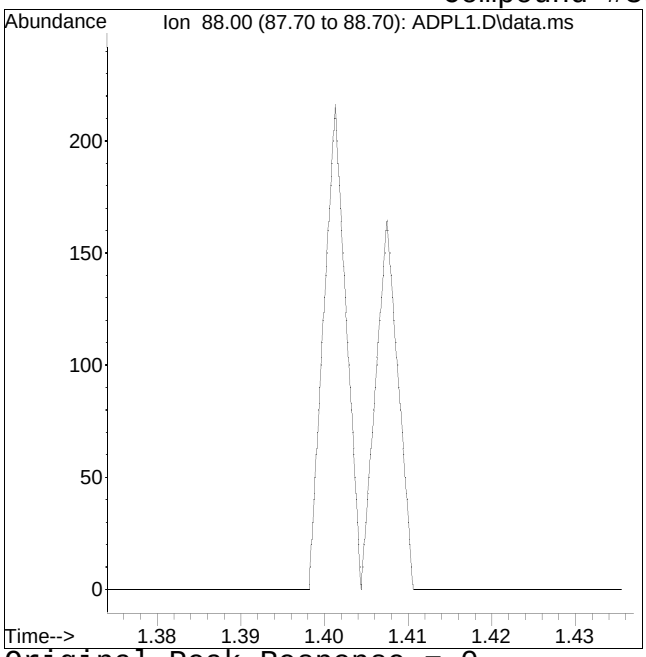
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



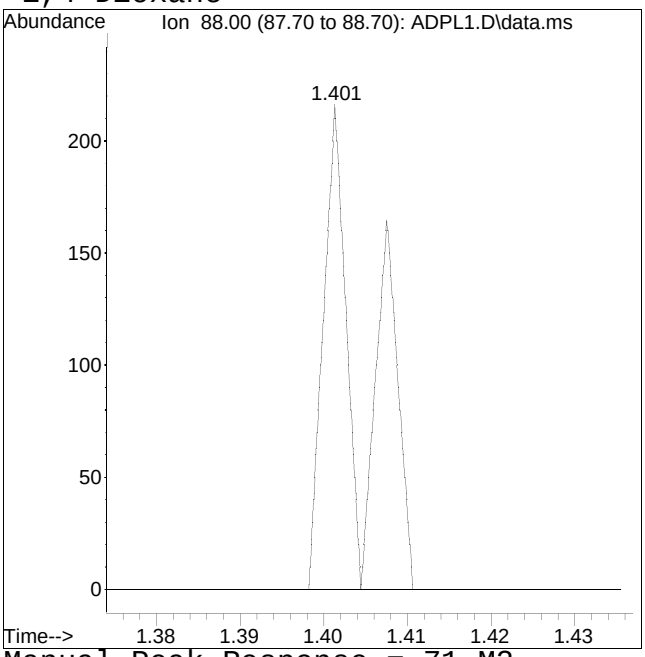
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 71 M2

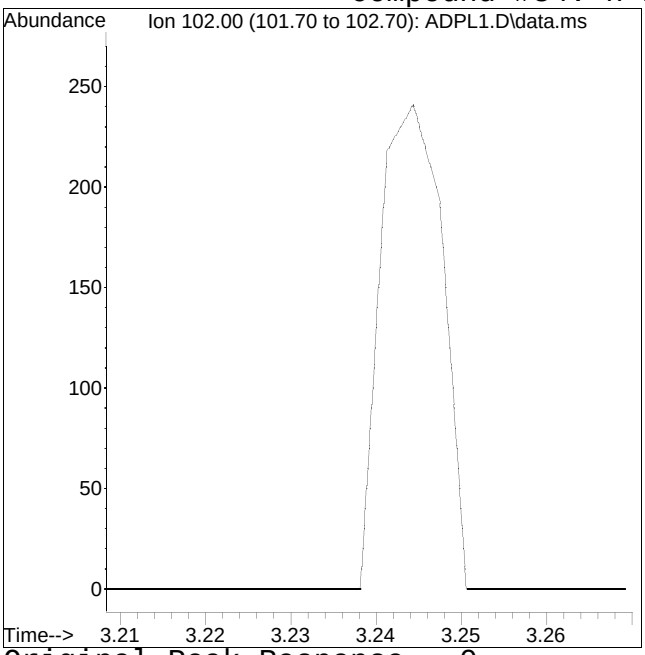
M2 = Peak not found by automatic integration algorithm.

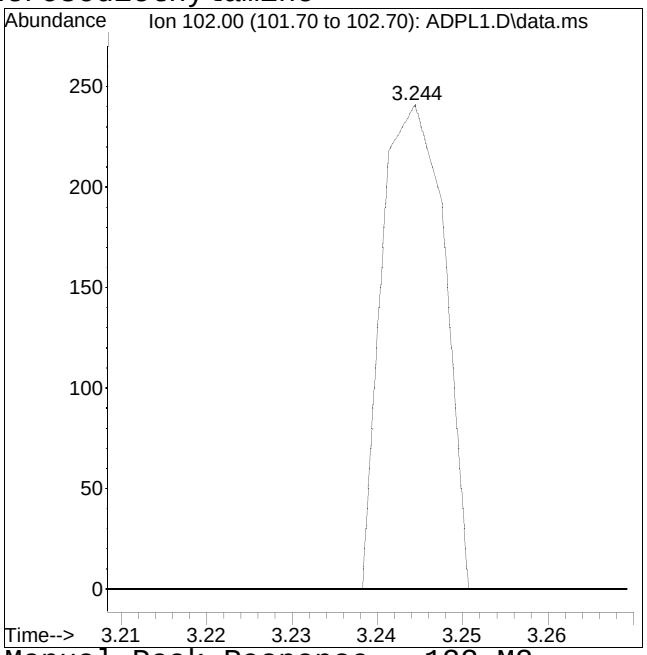
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #34: n-Nitrosodiethylamine



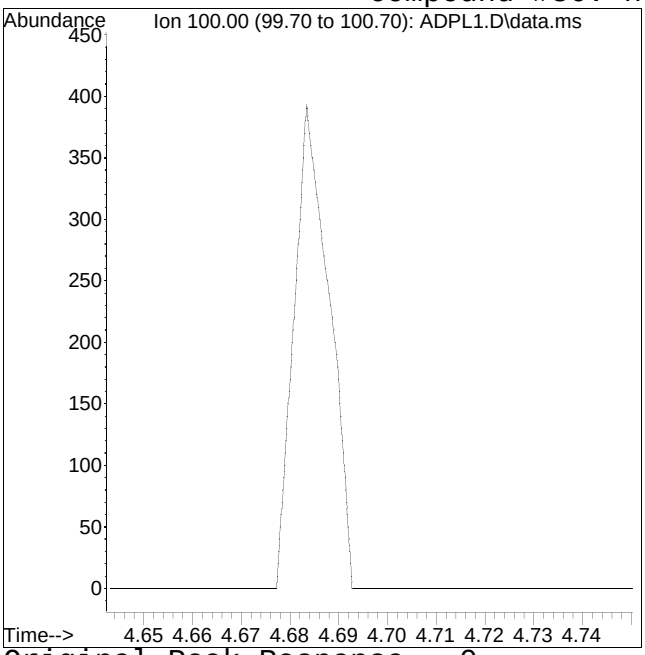


Original Peak Response = 0
Manual Peak Response = 122 M2
M2 = Peak not found by automatic integration algorithm.

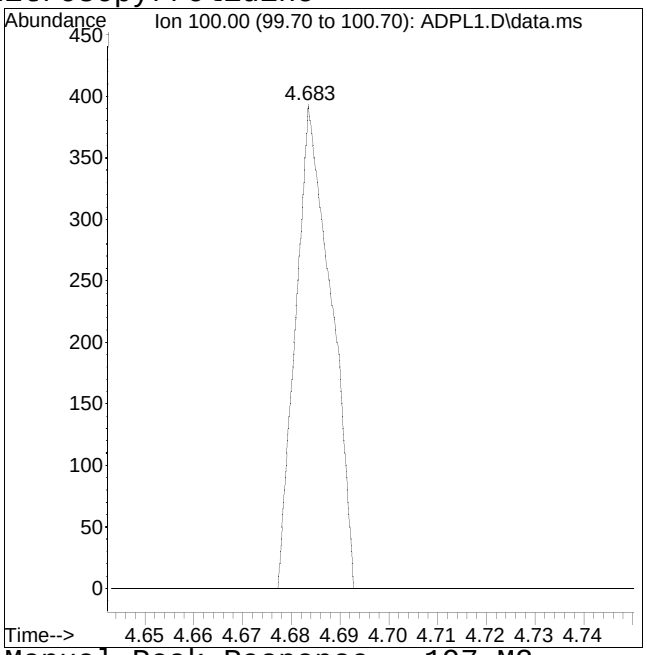
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #36: n-Nitrosopyrrolidine



Original Peak Response = 0



Manual Peak Response = 197 M2

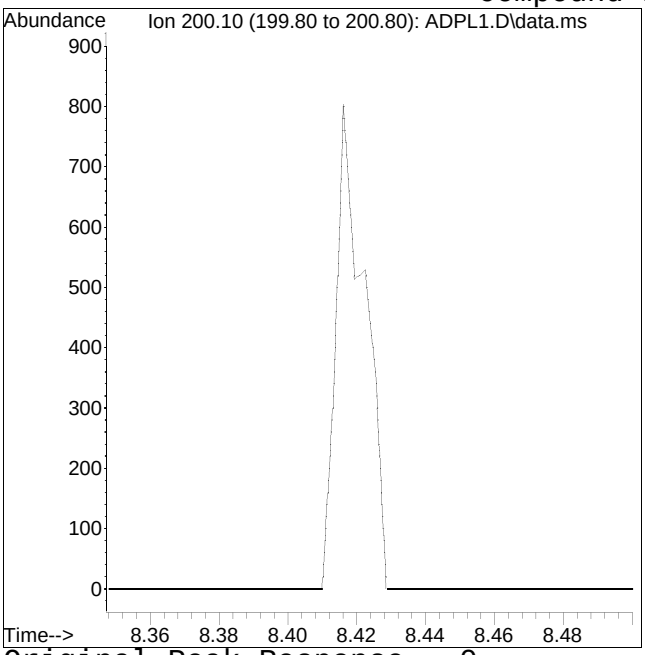
M2 = Peak not found by automatic integration algorithm.

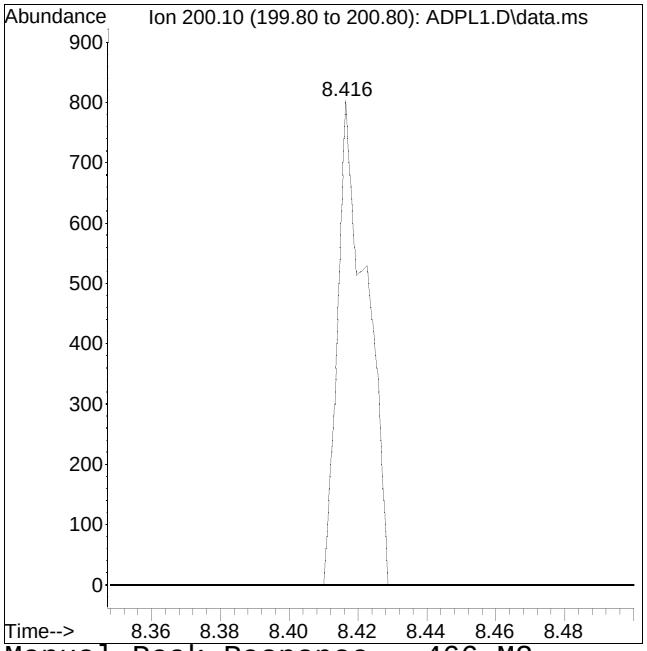
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #89: Atrazine





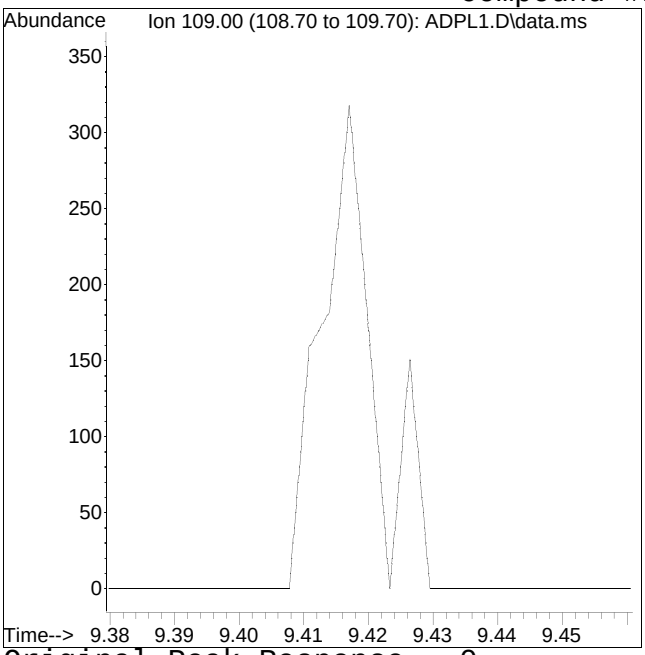
Original Peak Response = 0
Manual Peak Response = 466 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

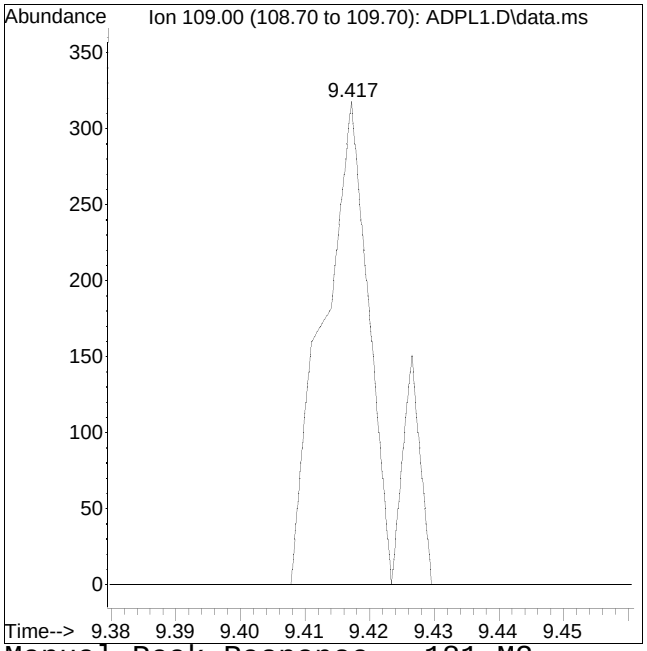
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #104: Parathion



Original Peak Response = 0

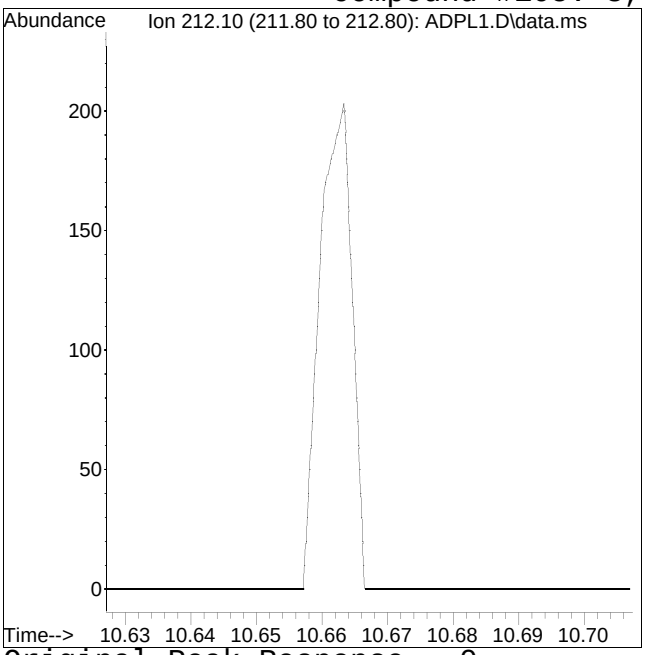


Manual Peak Response = 181 M2

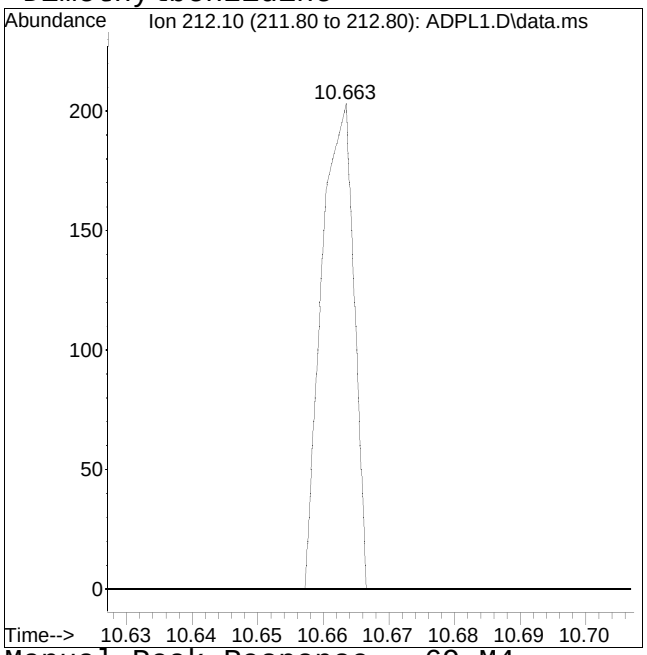
M2 = Peak not found by automatic integration algorithm.

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #105: 3,3'-Dimethylbenzidine



Original Peak Response = 0



Manual Peak Response = 69 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 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	103	0.00
33	T	1,4-Dioxane		0.381	0.408	-7.1	104	0.00
34	t	n-Nitrosodiethylamine		0.390	0.412	-5.6	105	0.00
35	T	n-Decane		1.048	1.132	-8.0	106	0.00
36	t	n-Nitrosopyrrolidine		0.458	0.502	-9.6	106	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	106	0.00
89	T	Atrazine		0.343	0.346	-0.9	107	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	106	0.00
103	T	n-Octadecane		0.334	0.358	-7.2	114	0.00
104	T	Parathion	*	5.000	4.893	2.1	116	0.00
105	T	3,3'-Dimethylbenzidine	*	5.000	4.511	9.8	106	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\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	27725	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	102.56%		
88) IS3_Acenaphthene-d10	7.210	164	64160	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	105.96%		
102) IS3_Phenanthrene-d10	8.621	188	141409	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	105.62%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	14130	5.352	ug/ml#	86
34) n-Nitrosodiethylamine	3.216	102	14269	5.275	ug/ml#	56
35) n-Decane	4.186	57	39218	5.397	ug/ml#	30
36) n-Nitrosopyrrolidine	4.665	100	17407	5.486	ug/ml#	70
89) Atrazine	8.422	200	27737	5.040	ug/ml	93
103) n-Octadecane	8.634	57	63318	5.367	ug/ml#	1
104) Parathion	9.420	109	14391	4.893	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.660	212	115367	4.511	ug/ml	99

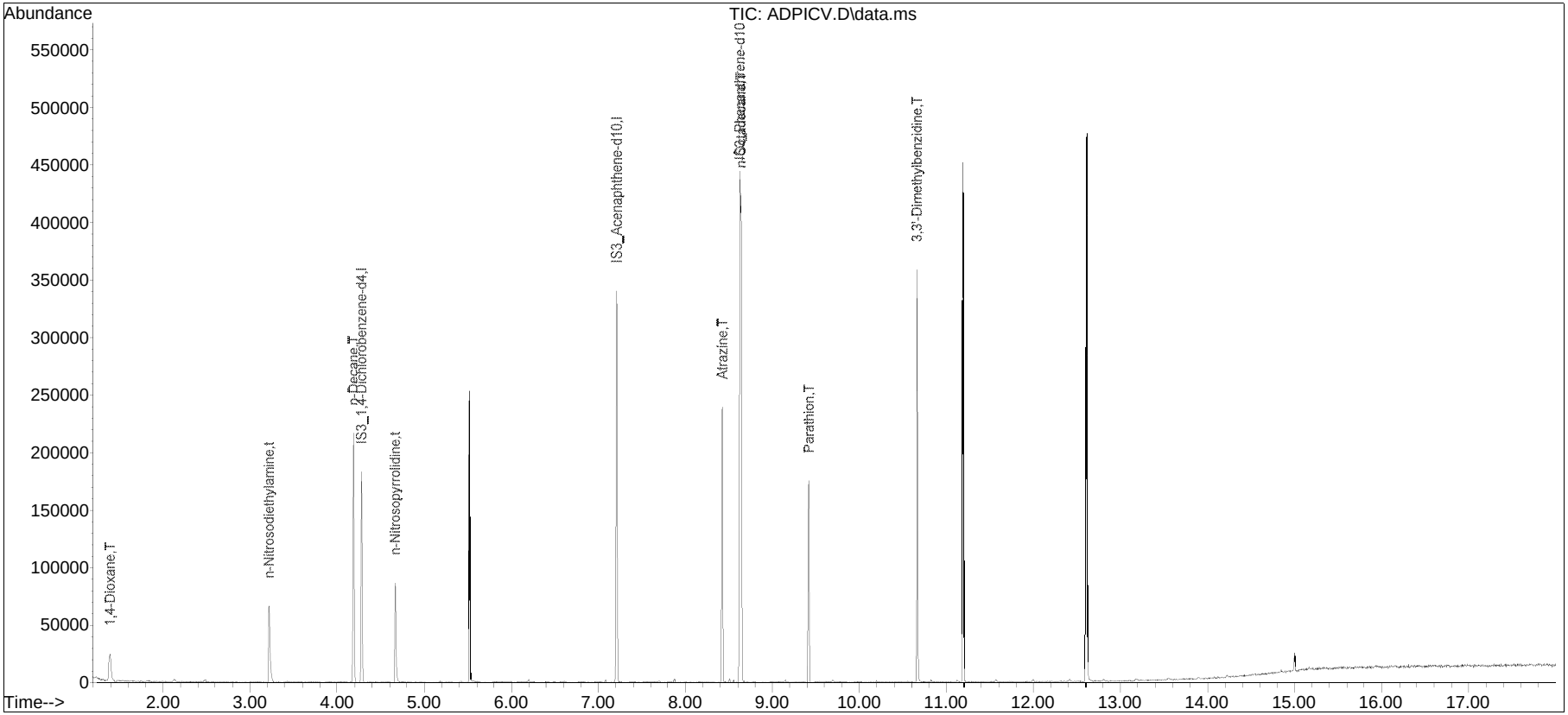
(#) = qualifier out of range (m) = manual integration (+) = signals summed

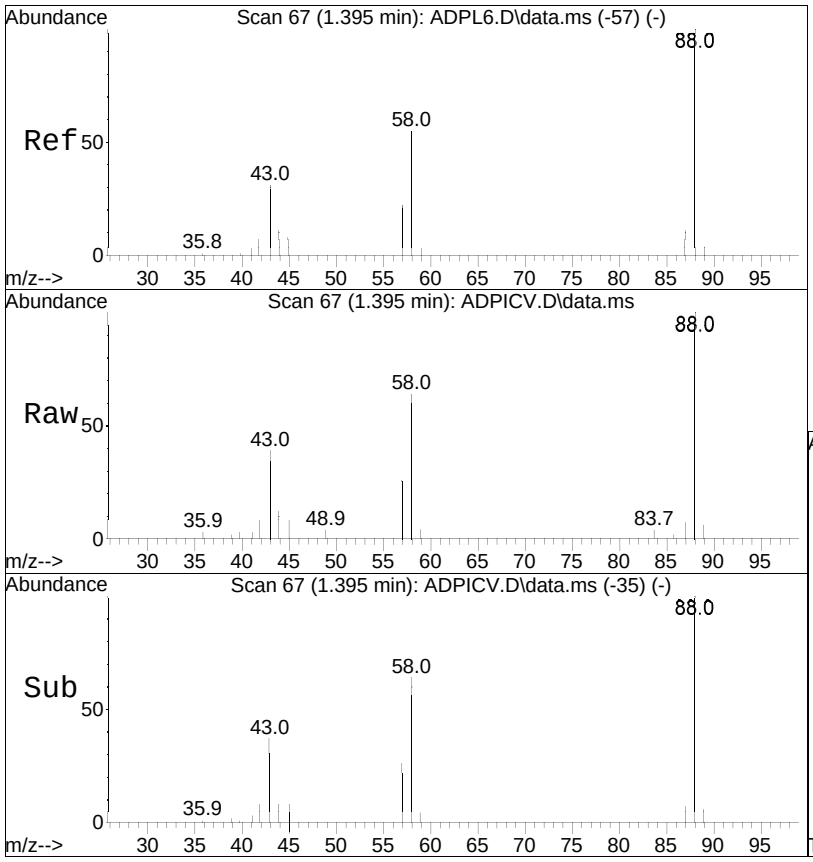
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

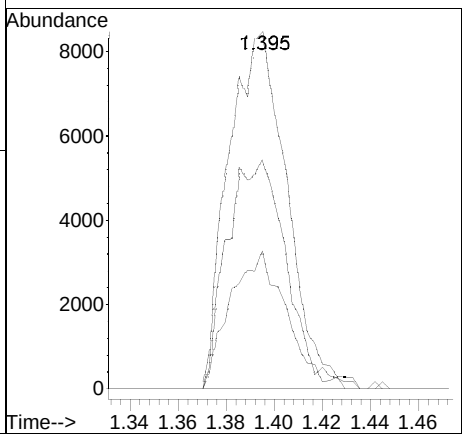


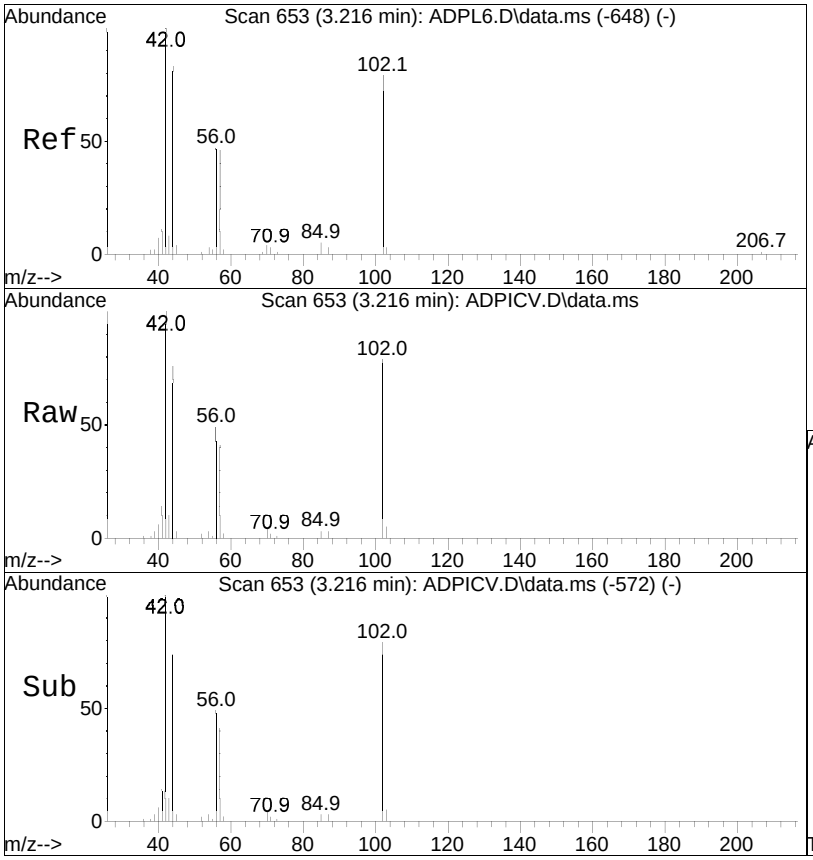


#33
1,4-Dioxane
Concen: 5.35 ug/ml
RT: 1.395 min Scan# 67
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 88 Resp: 14130

Ion	Ratio	Lower	Upper
88	100		
58	65.4	44.8	67.2
43	37.2	22.4	33.6#

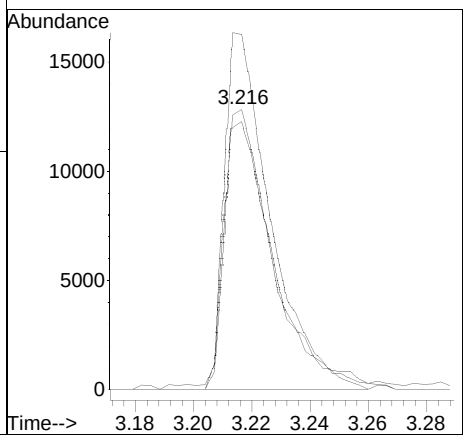


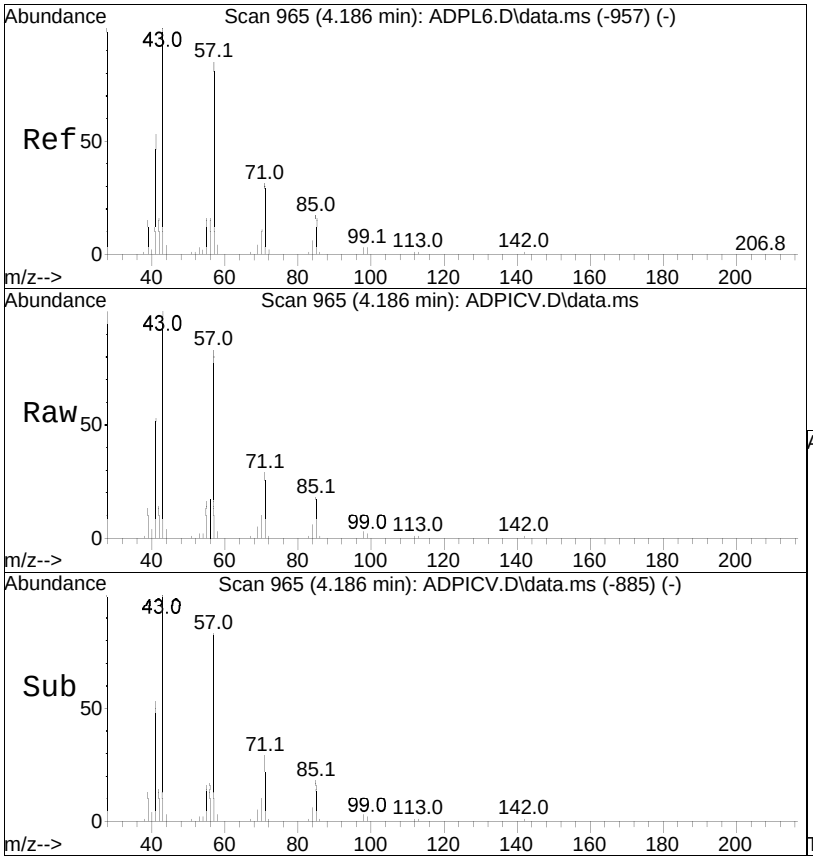


#34
n-Nitrosodiethylamine
Concen: 5.27 ug/ml
RT: 3.216 min Scan# 653
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:102 Resp: 14269

Ion	Ratio	Lower	Upper
102	100		
42	127.1	67.6	101.4#
44	104.7	57.4	86.0#

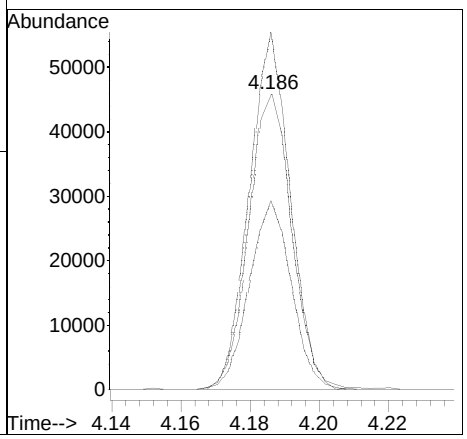


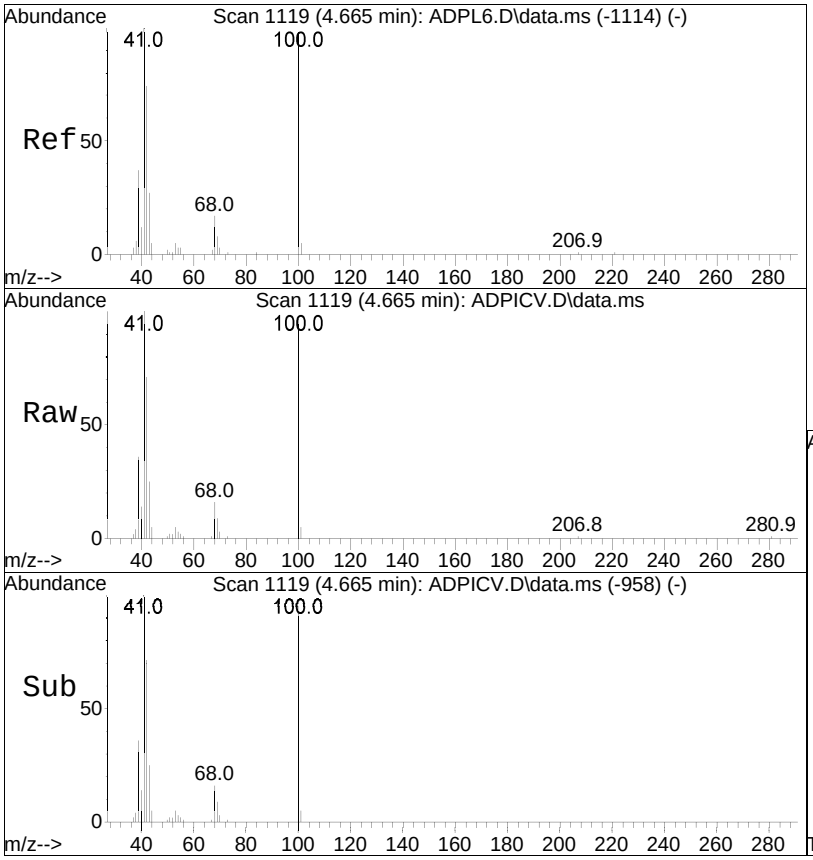


#35
n-Decane
Concen: 5.40 ug/ml
RT: 4.186 min Scan# 965
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 57 Resp: 39218

Ion	Ratio	Lower	Upper
57	100		
43	116.0	0.2	0.2#
41	62.8	0.2	0.2#

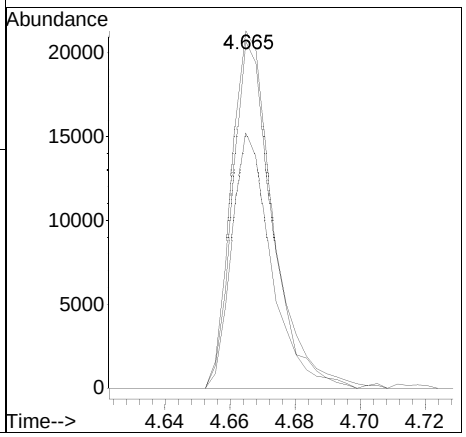


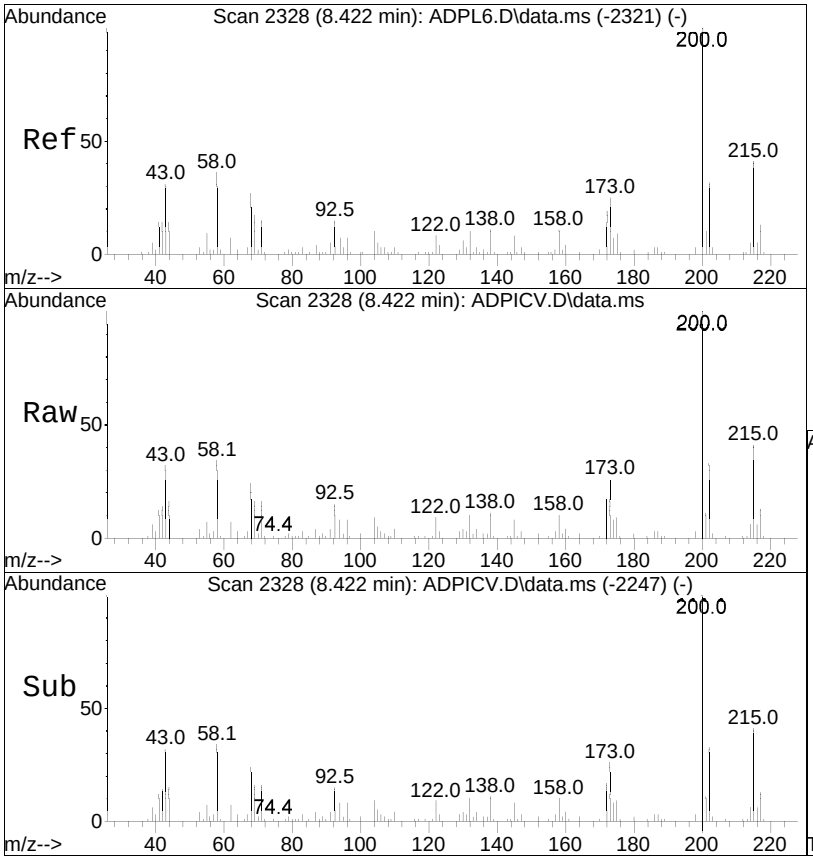


#36
n-Nitrosopyrrolidine
Concen: 5.49 ug/ml
RT: 4.665 min Scan# 1119
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:100 Resp: 17407

Ion	Ratio	Lower	Upper
100	100		
41	110.0	63.0	94.4#
42	74.0	46.6	70.0#

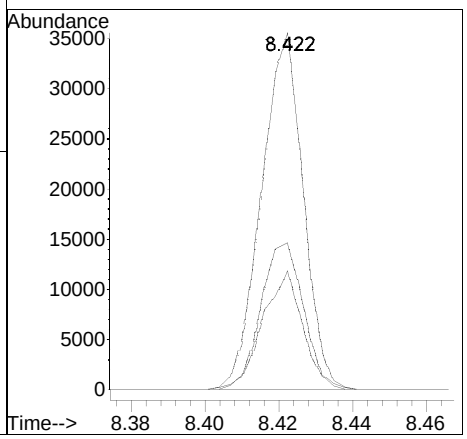


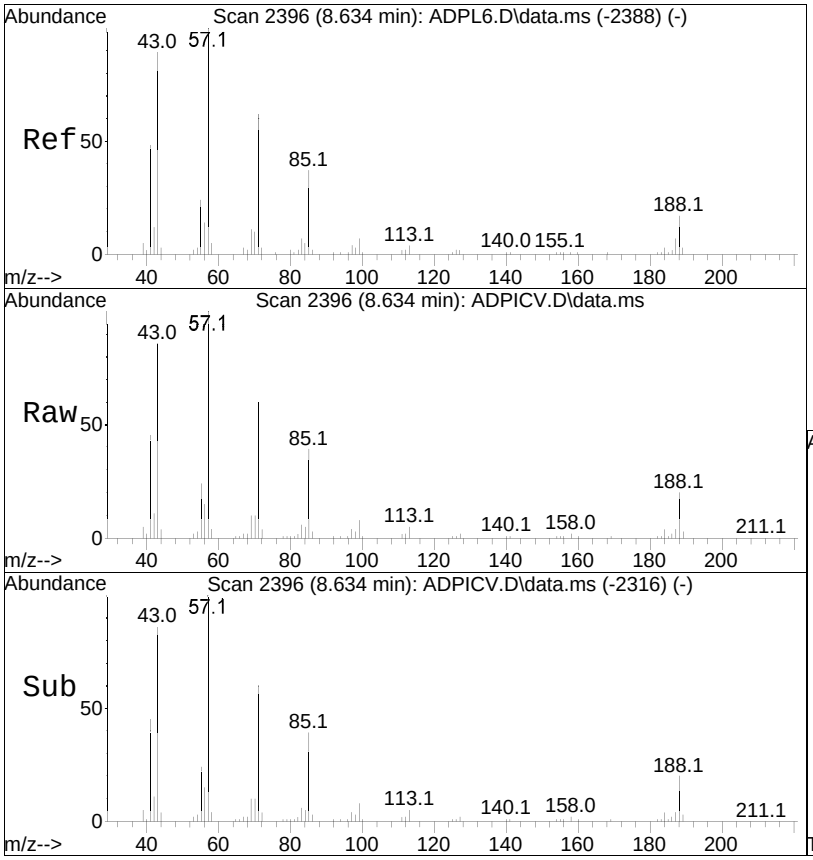


#89
Atrazine
Concen: 5.04 ug/ml
RT: 8.422 min Scan# 2328
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:200 Resp: 27737

Ion	Ratio	Lower	Upper
200	100		
202	32.0	25.8	38.6
215	42.1	40.2	60.4

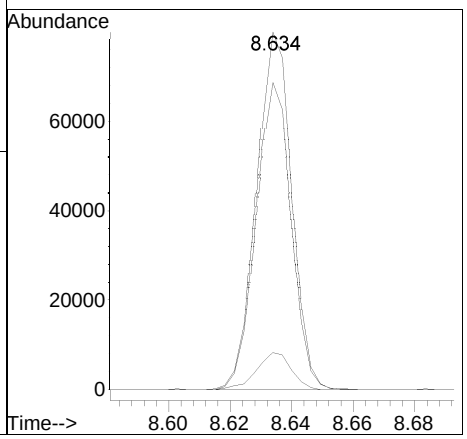


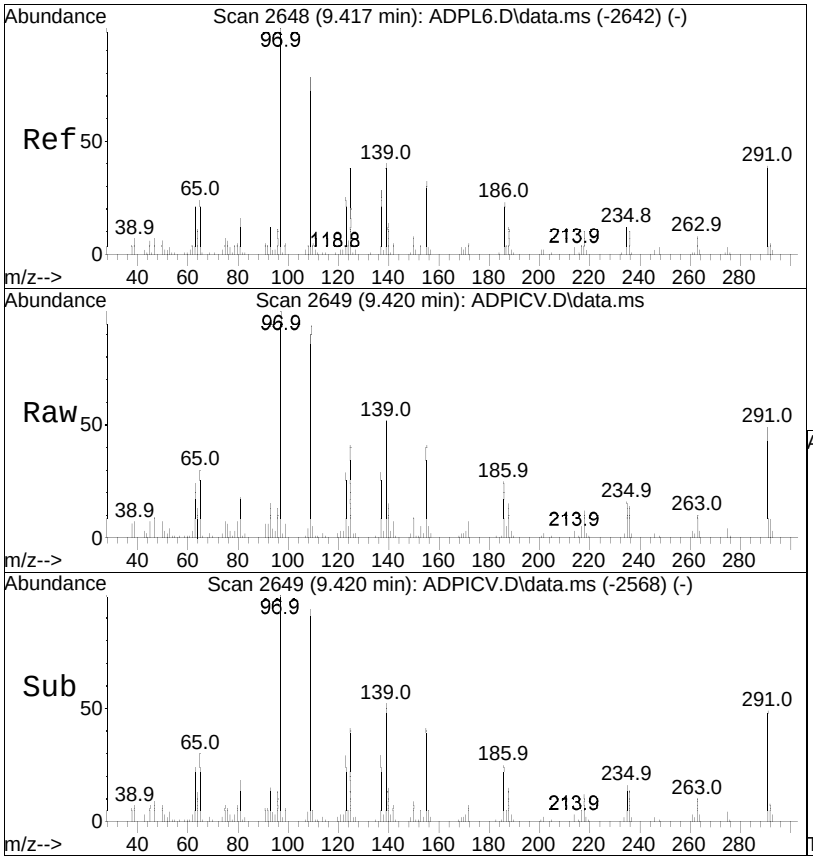


#103
n-Octadecane
Concen: 5.37 ug/ml
RT: 8.634 min Scan# 2396
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 57 Resp: 63318

Ion	Ratio	Lower	Upper
57	100		
43	85.6	9.0	13.6#
70	10.2	0.2	0.2#

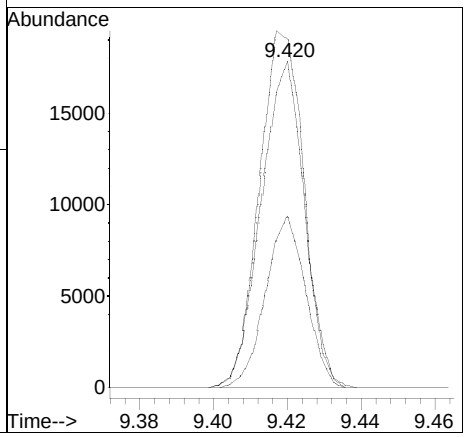


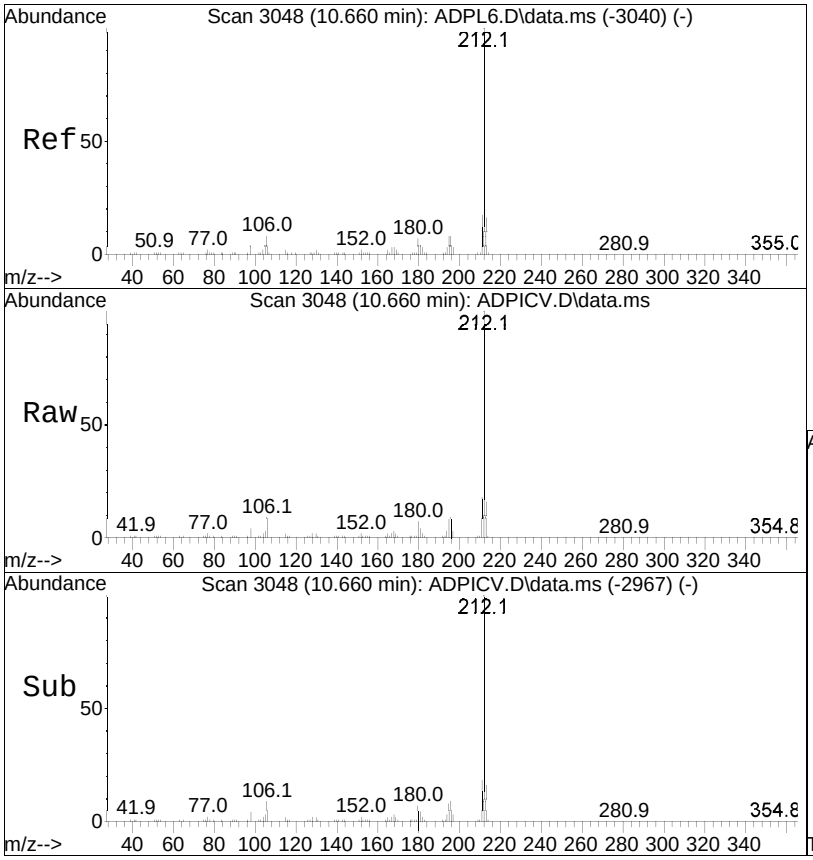


#104
Parathion
Concen: 4.89 ug/ml
RT: 9.420 min Scan# 2649
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:109 Resp: 14391

Ion	Ratio	Lower	Upper
109	100		
97	113.2	87.4	131.2
291	49.4	34.2	51.2

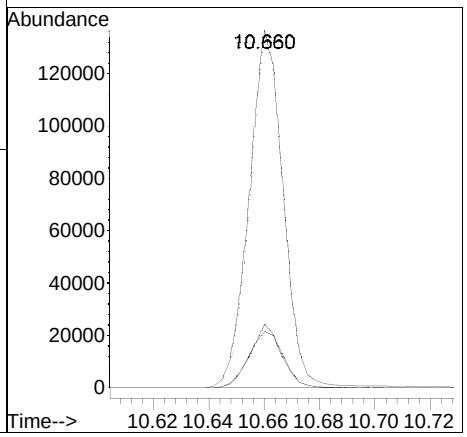




#105
3,3'-Dimethylbenzidine
Concen: 4.51 ug/ml
RT: 10.660 min Scan# 3048
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:212 Resp: 115367

Ion	Ratio	Lower	Upper
212	100		
211	16.9	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPICV.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 4:40 am	Instrument	: Dakota
Sample	: CQICV,32,,ADPICV Lot# 1114	Quant Date	: 11/11/2024 3:35 pm

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
68	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.560	-8.8	1.00	1.235	23.5
104	T Parathion	Q	ug/ml	5.0	4.487	-10.3	0.50	0.639	27.8
105	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.491	-10.2	1.00	1.229	22.9

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
68	T 2,4-Dinitrophenol	Linear	0.995883	0.000000	0.219967	-0.0353966
104	T Parathion	Quadratic	0.997840	0.002726	0.0829685	-0.00379272
105	T 3,3'-Dimethylbenzidine	Linear	0.997212	0.000000	0.864599	-0.15929

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 13:41		
Lab File ID	: ABN1123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
n-Nitrosodimethylamine	0.63	0.686	-	-8.9	20	102	0
Pyridine	0.954	1.046	-	-9.6	20	95	0
2-Fluorophenol	1.028	0.992	-	3.5	20	91	0
Aniline	1.567	1.635	-	-4.3	20	98	0
2-Chlorophenol	1.225	1.224	-	0.1	20	93	0
Phenol-d6	1.317	1.347	-	-2.3	20	97	0
Phenol	1.421	1.455	-	-2.4	20	97	0
Bis(2-chloroethyl)ether	1.017	1.037	-	-2	20	98	0
1,3-Dichlorobenzene	1.577	1.486	-	5.8	20	91	0
1,4-Dichlorobenzene	1.61	1.531	-	4.9	20	92	0
1,2-Dichlorobenzene	1.534	1.481	-	3.5	20	93	0
Benzyl alcohol	0.93	0.961	-	-3.3	20	97	0
Bis(2-chloroisopropyl)ethe	1.794	1.862	-	-3.8	20	101	0
2-Methylphenol	1.079	1.096	-	-1.6	20	100	0
Hexachloroethane	0.589	0.523	-	11.2	20	89	0
n-Nitrosodi-n-propylamine	0.863	0.873	-	-1.2	20	99	0
3-Methylphenol/4-Methylphe	1.182	1.218	-	-3	20	102	0
Nitrobenzene-d5	1.195	1.271	-	-6.4	20	100	0
Nitrobenzene	1.222	1.308	-	-7	20	100	0
Isophorone	2.247	2.337	-	-4	20	99	0
2-Nitrophenol	0.619	0.679	-	-9.7	20	105	0
2,4-Dimethylphenol	1.101	1.118	-	-1.5	20	97	0
Bis(2-chloroethoxy)methane	1.4	1.441	-	-2.9	20	98	0
2,4-Dichlorophenol	1.285	1.288	-	-0.2	20	96	0
1,2,4-Trichlorobenzene	1.555	1.473	-	5.3	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	98	0
Naphthalene	1.1	1.016	-	7.6	20	97	0
Benzoic Acid	0.228	0.195	-	14.5	20	93	0
4-Chloroaniline	0.121	0.118	-	2.5	20	98	0
Hexachlorobutadiene	0.258	0.219	-	15.1	20	86	0
p-Chloro-m-cresol	0.29	0.287	-	1	20	101	0
2-Methylnaphthalene	0.761	0.717	-	5.8	20	100	0
1-Methylnaphthalene	0.242	0.224	-	7.4	20	95	0
Hexachlorocyclopentadiene	0.272	0.254	-	6.6	20	93	0
2,4,6-Trichlorophenol	0.287	0.294	-	-2.4	20	104	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	103	0
2-Fluorobiphenyl	0.99	0.909	-	8.2	20	98	0
2-Chloronaphthalene	0.852	0.794	-	6.8	20	97	0
2-Nitroaniline	0.218	0.236	-	-8.3	20	107	0
1,4-Dinitrobenzene	0.095	0.11	-	-15.8	20	114	0
1,3-Dinitrobenzene	0.113	0.126	-	-11.5	20	108	0
Dimethyl phthalate	0.991	0.957	-	3.4	20	102	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 13:41		
Lab File ID	: ABN1123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.232	-	1.6	20	102	0
2,6-Dinitrotoluene	0.185	0.193	-	-4.3	20	102	0
1,2-Dinitrobenzene	0.066	0.073	-	-10.6	20	102	0
IS1_Acenaphthene-d10	1	1	-	0	20	104	0
3-Nitroaniline	0.309	0.333	-	-7.8	20	112	0
Acenaphthene	1.163	1.032	-	11.3	20	101	0
2,4-Dinitrophenol	0.188	0.166	-	11.7	20	100	0
Dibenzofuran	2.006	1.821	-	9.2	20	104	0
2,4-Dinitrotoluene	0.387	0.417	-	-7.8	20	108	0
4-Nitrophenol	0.23	0.258	-	-12.2	20	115	0
2,3,5,6-Tetrachlorophenol	0.436	0.439	-	-0.7	20	107	0
2,3,4,6-Tetrachlorophenol	0.428	0.42	-	1.9	20	106	0
Diethyl phthalate	1.575	1.416	-	10.1	20	103	0
Fluorene	1.536	1.411	-	8.1	20	103	0
4-Chlorophenyl phenyl ethe	0.792	0.699	-	11.7	20	101	0
4-Nitroaniline	0.299	0.353	-	-18.1	20	117	0
4,6-Dinitro-o-cresol	0.234	0.247	-	-5.6	20	106	0
NDPA/DPA	1.337	1.238	-	7.4	20	106	0
Azobenzene	1.281	1.239	-	3.3	20	106	0
2,4,6-Tribromophenol	0.286	0.285	-	0.3	20	109	0
4-Bromophenyl phenyl ether	0.522	0.465	-	10.9	20	102	0
Hexachlorobenzene	0.656	0.582	-	11.3	20	103	0
Pentachlorophenol	0.356	0.388	-	-9	20	113	0
IS1_Phenanthrene-d10	1	1	-	0	20	107	0
Phenanthrene	1.183	1.078	-	8.9	20	106	0
Anthracene	1.16	1.09	-	6	20	108	0
Carbazole	1.064	1.056	-	0.8	20	111	0
Di-n-butylphthalate	1.207	1.142	-	5.4	20	103	0
Fluoranthene	1.422	1.334	-	6.2	20	108	0
Benzidine	0.772	0.816	-	-5.7	20	109	0
Pyrene	1.52	1.465	-	3.6	20	110	0
4-Terphenyl-d14	1.157	1.066	-	7.9	20	107	0
Butyl benzyl phthalate	0.517	0.53	-	-2.5	20	109	0
IS1_Chrysene-d12	1	1	-	0	20	113	0
Benzo(a)anthracene	1.355	1.24	-	8.5	20	112	0
3,3'-Dichlorobenzidine	0.505	0.495	-	2	20	111	0
Chrysene	1.349	1.189	-	11.9	20	110	0
Bis(2-ethylhexyl)phthalate	0.726	0.692	-	4.7	20	107	0
Di-n-octylphthalate	1.212	1.162	-	4.1	20	108	0
Benzo(b)fluoranthene	1.42	1.329	-	6.4	20	115	0
Benzo(k)fluoranthene	1.383	1.348	-	2.5	20	113	0
Benzo(a)pyrene	1.267	1.237	-	2.4	20	114	0
IS1_Perylene-d12	1	1	-	0	20	116	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 13:41		
Lab File ID	: ABN1123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.149	-	6.9	20	114	0
Dibenzo(a,h)anthracene	1.213	1.126	-	7.2	20	111	0
Benzo(ghi)perylene	1.192	1.11	-	6.9	20	115	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 14:04		
Lab File ID	: AP91123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	88	0
Benzaldehyde	0.703	0.766	-	-9	20	88	0
Acetophenone	1.403	1.626	-	-15.9	20	97	0
m-Toluidine	1.287	1.445	-	-12.3	20	96	0
2-Chloroaniline	1.368	1.574	-	-15.1	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.241	-	-9	20	102	0
3-Chloroaniline	0.115	0.122	-	-6.1	20	97	0
2,6-Dichlorophenol	0.296	0.322	-	-8.8	20	101	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	103	0
Caprolactam	0.123	0.135	-	-9.8	20	106	0
1,2,4,5-Tetrachlorobenzene	0.413	0.417	-	-1	20	95	0
Biphenyl	0.842	0.9	-	-6.9	20	100	0
IS2_Acenaphthene-d10	1	1	-	0	20	104	0
Dichloran	0.169	0.196	-	-16	20	124	0
Pentachloronitrobenzene	0.187	0.189	-	-1.1	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	113	0
Diphenamid	0.416	0.438	-	-5.3	20	114	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/23/24 14:26	
Lab File ID	: ADP1123		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2001490-5		**Init. Calib. Times**	: 16:59	04:17
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	0.381	0.404	-	-6	20	95	0
n-Decane	1.048	1.122	-	-7.1	20	97	0
IS3_Acenaphthene-d10	1	1	-	0	20	111	0
Atrazine	0.343	0.362	-	-5.5	20	117	0
IS3_Phenanthrene-d10	1	1	-	0	20	119	0
n-Octadecane	0.334	0.343	-	-2.7	20	123	0
Parathion	5	4.99	-	0.2	20	133	0
3,3'-Dimethylbenzidine	0.728	0.732	-	-0.5	20	134	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
n-Nitrosodimethylamine	0.63	0.717	-	-13.8	20	111	0
Pyridine	0.954	1.128	-	-18.2	20	106	0
2-Fluorophenol	1.028	1.093	-	-6.3	20	104	0
Aniline	1.567	1.723	-	-10	20	107	0
2-Chlorophenol	1.225	1.301	-	-6.2	20	103	0
Phenol-d6	1.317	1.434	-	-8.9	20	107	0
Phenol	1.421	1.567	-	-10.3	20	108	0
Bis(2-chloroethyl)ether	1.017	1.095	-	-7.7	20	107	0
1,3-Dichlorobenzene	1.577	1.613	-	-2.3	20	102	0
1,4-Dichlorobenzene	1.61	1.638	-	-1.7	20	102	0
1,2-Dichlorobenzene	1.534	1.609	-	-4.9	20	105	0
Benzyl alcohol	0.93	0.978	-	-5.2	20	103	0
Bis(2-chloroisopropyl)ethe	1.794	1.946	-	-8.5	20	109	0
2-Methylphenol	1.079	1.151	-	-6.7	20	109	0
Hexachloroethane	0.589	0.587	-	0.3	20	103	0
n-Nitrosodi-n-propylamine	0.863	0.869	-	-0.7	20	102	0
3-Methylphenol/4-Methylphe	1.182	1.225	-	-3.6	20	106	0
Nitrobenzene-d5	1.195	1.304	-	-9.1	20	106	0
Nitrobenzene	1.222	1.344	-	-10	20	107	0
Isophorone	2.247	2.26	-	-0.6	20	100	0
2-Nitrophenol	0.619	0.7	-	-13.1	20	112	0
2,4-Dimethylphenol	1.101	1.134	-	-3	20	102	0
Bis(2-chloroethoxy)methane	1.4	1.421	-	-1.5	20	100	0
2,4-Dichlorophenol	1.285	1.306	-	-1.6	20	100	0
1,2,4-Trichlorobenzene	1.555	1.528	-	1.7	20	99	0
IS1_Naphthalene-d8	1	1	-	0	20	98	0
Naphthalene	1.1	1.08	-	1.8	20	103	0
Benzoic Acid	0.228	0.159	-	30.3*	20	76	0
4-Chloroaniline	0.121	0.119	-	1.7	20	98	0
Hexachlorobutadiene	0.258	0.24	-	7	20	94	0
p-Chloro-m-cresol	0.29	0.289	-	0.3	20	101	0
2-Methylnaphthalene	0.761	0.738	-	3	20	103	0
1-Methylnaphthalene	0.242	0.234	-	3.3	20	98	0
Hexachlorocyclopentadiene	0.272	0.262	-	3.7	20	95	0
2,4,6-Trichlorophenol	0.287	0.28	-	2.4	20	98	0
2,4,5-Trichlorophenol	0.32	0.309	-	3.4	20	100	0
2-Fluorobiphenyl	0.99	0.903	-	8.8	20	97	0
2-Chloronaphthalene	0.852	0.808	-	5.2	20	99	0
2-Nitroaniline	0.218	0.223	-	-2.3	20	100	0
1,4-Dinitrobenzene	0.095	0.105	-	-10.5	20	108	0
1,3-Dinitrobenzene	0.113	0.12	-	-6.2	20	102	0
Dimethyl phthalate	0.991	0.895	-	9.7	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.198	-	4.3	20	99	0
2,6-Dinitrotoluene	0.185	0.186	-	-0.5	20	98	0
1,2-Dinitrobenzene	0.066	0.072	-	-9.1	20	101	0
IS1_Acenaphthene-d10	1	1	-	0	20	95	0
3-Nitroaniline	0.309	0.338	-	-9.4	20	104	0
Acenaphthene	1.163	1.091	-	6.2	20	98	0
2,4-Dinitrophenol	0.188	0.157	-	16.5	20	87	0
Dibenzofuran	2.006	1.925	-	4	20	100	0
2,4-Dinitrotoluene	0.387	0.426	-	-10.1	20	101	0
4-Nitrophenol	0.23	0.265	-	-15.2	20	108	0
2,3,5,6-Tetrachlorophenol	0.436	0.447	-	-2.5	20	100	0
2,3,4,6-Tetrachlorophenol	0.428	0.435	-	-1.6	20	100	0
Diethyl phthalate	1.575	1.438	-	8.7	20	95	0
Fluorene	1.536	1.466	-	4.6	20	98	0
4-Chlorophenyl phenyl ethe	0.792	0.721	-	9	20	95	0
4-Nitroaniline	0.299	0.359	-	-20.1*	20	109	0
4,6-Dinitro-o-cresol	0.234	0.24	-	-2.6	20	95	0
NDPA/DPA	1.337	1.278	-	4.4	20	100	0
Azobenzene	1.281	1.284	-	-0.2	20	101	0
2,4,6-Tribromophenol	0.286	0.286	-	0	20	100	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	96	0
Hexachlorobenzene	0.656	0.576	-	12.2	20	94	0
Pentachlorophenol	0.356	0.399	-	-12.1	20	106	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.183	1.152	-	2.6	20	99	0
Anthracene	1.16	1.17	-	-0.9	20	101	0
Carbazole	1.064	1.125	-	-5.7	20	103	0
Di-n-butylphthalate	1.207	1.141	-	5.5	20	90	0
Fluoranthene	1.422	1.426	-	-0.3	20	101	0
Benzidine	0.772	0.864	-	-11.9	20	101	0
Pyrene	1.52	1.541	-	-1.4	20	101	0
4-Terphenyl-d14	1.157	1.114	-	3.7	20	98	0
Butyl benzyl phthalate	0.517	0.545	-	-5.4	20	98	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.355	1.316	-	2.9	20	106	0
3,3'-Dichlorobenzidine	0.505	0.533	-	-5.5	20	107	0
Chrysene	1.349	1.288	-	4.5	20	106	0
Bis(2-ethylhexyl)phthalate	0.726	0.694	-	4.4	20	95	0
Di-n-octylphthalate	1.212	1.208	-	0.3	20	100	0
Benzo(b)fluoranthene	1.42	1.452	-	-2.3	20	111	0
Benzo(k)fluoranthene	1.383	1.47	-	-6.3	20	109	0
Benzo(a)pyrene	1.267	1.368	-	-8	20	112	0
IS1_Perylene-d12	1	1	-	0	20	106	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/24/24 08:42	
Lab File ID	: ABN1124		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2001636-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.239	-	-0.4	20	113	0
Dibenzo(a,h)anthracene	1.213	1.242	-	-2.4	20	113	0
Benzo(ghi)perylene	1.192	1.221	-	-2.4	20	116	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 09:05		
Lab File ID	: AP91124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-4	**Init. Calib. Times**	: 16:59	04:17	
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	0.703	0.772	-	-9.8	20	92	0
Acetophenone	1.403	1.555	-	-10.8	20	96	0
m-Toluidine	1.287	1.434	-	-11.4	20	98	0
2-Chloroaniline	1.368	1.557	-	-13.8	20	99	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.243	-	-10	20	103	0
3-Chloroaniline	0.115	0.127	-	-10.4	20	101	0
2,6-Dichlorophenol	0.296	0.332	-	-12.2	20	104	0
1-chloro-2-nitrobenzene	0.113	0.129	-	-14.2	20	102	0
Caprolactam	0.123	0.144	-	-17.1	20	113	0
1,2,4,5-Tetrachlorobenzene	0.413	0.406	-	1.7	20	93	0
Biphenyl	0.842	0.898	-	-6.7	20	100	0
IS2_Acenaphthene-d10	1	1	-	0	20	104	0
Dichloran	0.169	0.187	-	-10.7	20	117	0
Pentachloronitrobenzene	0.187	0.187	-	0	20	107	0
IS2_Phenanthrene-d10	1	1	-	0	20	109	0
Diphenamid	0.416	0.432	-	-3.8	20	109	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/24/24 09:27	
Lab File ID	: ADP1124		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2001636-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	94	0
1,4-Dioxane	0.381	0.418	-	-9.7	20	98	0
n-Decane	1.048	1.105	-	-5.4	20	95	0
IS3_Acenaphthene-d10	1	1	-	0	20	103	0
Atrazine	0.343	0.329	-	4.1	20	99	0
IS3_Phenanthrene-d10	1	1	-	0	20	108	0
n-Octadecane	0.334	0.32	-	4.2	20	104	0
Parathion	5	4.615	-	7.7	20	111	0
3,3'-Dimethylbenzidine	0.728	0.712	-	2.2	20	118	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 20:52		
Lab File ID	: ABN1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	138	0
n-Nitrosodimethylamine	0.63	0.669	-	-6.2	20	150	0
Pyridine	0.954	1.086	-	-13.8	20	148	0
2-Fluorophenol	1.028	1.034	-	-0.6	20	143	0
Aniline	1.567	1.614	-	-3	20	146	0
2-Chlorophenol	1.225	1.238	-	-1.1	20	142	0
Phenol-d6	1.317	1.359	-	-3.2	20	147	0
Phenol	1.421	1.475	-	-3.8	20	147	0
Bis(2-chloroethyl)ether	1.017	1.018	-	-0.1	20	144	0
1,3-Dichlorobenzene	1.577	1.459	-	7.5	20	134	0
1,4-Dichlorobenzene	1.61	1.468	-	8.8	20	132	0
1,2-Dichlorobenzene	1.534	1.442	-	6	20	136	0
Benzyl alcohol	0.93	1.001	-	-7.6	20	152	0
Bis(2-chloroisopropyl)ethe	1.794	1.857	-	-3.5	20	151	0
2-Methylphenol	1.079	1.097	-	-1.7	20	150	0
Hexachloroethane	0.589	0.546	-	7.3	20	139	0
n-Nitrosodi-n-propylamine	0.863	0.901	-	-4.4	20	154	0
3-Methylphenol/4-Methylphe	1.182	1.194	-	-1	20	149	0
Nitrobenzene-d5	1.195	1.285	-	-7.5	20	151	0
Nitrobenzene	1.222	1.292	-	-5.7	20	149	0
Isophorone	2.247	2.342	-	-4.2	20	149	0
2-Nitrophenol	0.619	0.669	-	-8.1	20	155	0
2,4-Dimethylphenol	1.101	1.038	-	5.7	20	135	0
Bis(2-chloroethoxy)methane	1.4	1.446	-	-3.3	20	148	0
2,4-Dichlorophenol	1.285	1.336	-	-4	20	149	0
1,2,4-Trichlorobenzene	1.555	1.45	-	6.8	20	136	0
IS1_Naphthalene-d8	1	1	-	0	20	149	0
Naphthalene	1.1	0.986	-	10.4	20	143	0
Benzoic Acid	0.228	0.221	-	3.1	20	160	0
4-Chloroaniline	0.121	0.117	-	3.3	20	146	0
Hexachlorobutadiene	0.258	0.222	-	14	20	132	0
p-Chloro-m-cresol	0.29	0.293	-	-1	20	156	0
2-Methylnaphthalene	0.761	0.687	-	9.7	20	146	0
1-Methylnaphthalene	0.242	0.223	-	7.9	20	143	0
Hexachlorocyclopentadiene	0.272	0.212	-	22.1*	20	117	0
2,4,6-Trichlorophenol	0.287	0.284	-	1	20	152	0
2,4,5-Trichlorophenol	0.32	0.313	-	2.2	20	155	0
2-Fluorobiphenyl	0.99	0.879	-	11.2	20	143	0
2-Chloronaphthalene	0.852	0.761	-	10.7	20	142	0
2-Nitroaniline	0.218	0.232	-	-6.4	20	159	0
1,4-Dinitrobenzene	0.095	0.102	-	-7.4	20	161	0
1,3-Dinitrobenzene	0.113	0.123	-	-8.8	20	160	0
Dimethyl phthalate	0.991	0.924	-	6.8	20	149	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 20:52		
Lab File ID	: ABN1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.191	-	4.9	20	150	0
2,6-Dinitrotoluene	0.185	0.193	-	-4.3	20	154	0
1,2-Dinitrobenzene	0.066	0.072	-	-9.1	20	152	0
IS1_Acenaphthene-d10	1	1	-	0	20	153	0
3-Nitroaniline	0.309	0.327	-	-5.8	20	161	0
Acenaphthene	1.163	1.044	-	10.2	20	150	0
2,4-Dinitrophenol	0.188	0.07	-	62.8*	20	62	0
Dibenzofuran	2.006	1.784	-	11.1	20	149	0
2,4-Dinitrotoluene	0.387	0.418	-	-8	20	159	0
4-Nitrophenol	0.23	0.242	-	-5.2	20	158	0
2,3,5,6-Tetrachlorophenol	0.436	0.448	-	-2.8	20	161	0
2,3,4,6-Tetrachlorophenol	0.428	0.429	-	-0.2	20	159	0
Diethyl phthalate	1.575	1.406	-	10.7	20	150	0
Fluorene	1.536	1.398	-	9	20	150	0
4-Chlorophenyl phenyl ethe	0.792	0.678	-	14.4	20	144	0
4-Nitroaniline	0.299	0.342	-	-14.4	20	167	0
4,6-Dinitro-o-cresol	0.234	0.151	-	35.5*	20	96	0
NDPA/DPA	1.337	1.217	-	9	20	152	0
Azobenzene	1.281	1.248	-	2.6	20	157	0
2,4,6-Tribromophenol	0.286	0.291	-	-1.7	20	163	0
4-Bromophenyl phenyl ether	0.522	0.457	-	12.5	20	147	0
Hexachlorobenzene	0.656	0.57	-	13.1	20	149	0
Pentachlorophenol	0.356	0.384	-	-7.9	20	164	0
IS1_Phenanthrene-d10	1	1	-	0	20	156	0
Phenanthrene	1.183	1.055	-	10.8	20	151	0
Anthracene	1.16	1.075	-	7.3	20	155	0
Carbazole	1.064	1.03	-	3.2	20	157	0
Di-n-butylphthalate	1.207	1.147	-	5	20	151	0
Fluoranthene	1.422	1.297	-	8.8	20	153	0
Benzidine	0.772	0.7	-	9.3	20	136	0
Pyrene	1.52	1.379	-	9.3	20	150	0
4-Terphenyl-d14	1.157	1.018	-	12	20	149	0
Butyl benzyl phthalate	0.517	0.533	-	-3.1	20	160	0
IS1_Chrysene-d12	1	1	-	0	20	161	0
Benzo(a)anthracene	1.355	1.225	-	9.6	20	158	0
3,3'-Dichlorobenzidine	0.505	0.49	-	3	20	156	0
Chrysene	1.349	1.156	-	14.3	20	152	0
Bis(2-ethylhexyl)phthalate	0.726	0.693	-	4.5	20	152	0
Di-n-octylphthalate	1.212	1.187	-	2.1	20	157	0
Benzo(b)fluoranthene	1.42	1.303	-	8.2	20	160	0
Benzo(k)fluoranthene	1.383	1.272	-	8	20	151	0
Benzo(a)pyrene	1.267	1.209	-	4.6	20	158	0
IS1_Perylene-d12	1	1	-	0	20	161	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 20:52		
Lab File ID	: ABN1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.138	-	7.8	20	157	0
Dibenzo(a,h)anthracene	1.213	1.093	-	9.9	20	150	0
Benzo(ghi)perylene	1.192	1.083	-	9.1	20	156	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 21:14		
Lab File ID	: AP91125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	81	0
Benzaldehyde	0.703	0.802	-	-14.1	20	85	0
Acetophenone	1.403	1.598	-	-13.9	20	89	0
m-Toluidine	1.287	1.462	-	-13.6	20	90	0
2-Chloroaniline	1.368	1.576	-	-15.2	20	90	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.221	0.244	-	-10.4	20	93	0
3-Chloroaniline	0.115	0.127	-	-10.4	20	90	0
2,6-Dichlorophenol	0.296	0.359	-	-21.3*	20	100	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	93	0
Caprolactam	0.123	0.155	-	-26*	20	109	0
1,2,4,5-Tetrachlorobenzene	0.413	0.41	-	0.7	20	84	0
Biphenyl	0.842	0.917	-	-8.9	20	91	0
IS2_Acenaphthene-d10	1	1	-	0	20	91	0
Dichloran	0.169	0.184	-	-8.9	20	101	0
Pentachloronitrobenzene	0.187	0.187	-	0	20	94	0
IS2_Phenanthrene-d10	1	1	-	0	20	97	0
Diphenamid	0.416	0.426	-	-2.4	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 21:37		
Lab File ID	: ADP1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-5	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	79	0
1,4-Dioxane	0.381	0.394	-	-3.4	20	77	0
n-Decane	1.048	1.089	-	-3.9	20	78	0
IS3_Acenaphthene-d10	1	1	-	0	20	89	0
Atrazine	0.343	0.341	-	0.6	20	89	0
IS3_Phenanthrene-d10	1	1	-	0	20	94	0
n-Octadecane	0.334	0.337	-	-0.9	20	95	0
Parathion	5	4.682	-	6.4	20	99	0
3,3'-Dimethylbenzidine	0.728	0.731	-	-0.4	20	106	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241123RVT\
Data File : ABN1123.D
Acq On : 23 Nov 2024 1:41 pm
Operator : Dakota:ek
Sample : wg2001490-3,32,,ABN 11043 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 23 14:32:04 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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	0.630	0.686	-8.9	102	0.00
3	t	Pyridine	0.954	1.046	-9.6	95	0.00
4	S	2-Fluorophenol	1.028	0.992	3.5	91	0.00
5	T	Aniline	1.567	1.635	-4.3	98	0.00
6	t	2-Chlorophenol	1.225	1.224	0.1	93	0.00
7	S	Phenol-d6	1.317	1.347	-2.3	97	0.00
8	T	Phenol	1.421	1.455	-2.4	97	0.00
9	T	Bis(2-chloroethyl)ether	1.017	1.037	-2.0	98	0.00
10	T	1,3-Dichlorobenzene	1.577	1.486	5.8	91	0.00
11	T	1,4-Dichlorobenzene	1.610	1.531	4.9	92	0.00
12	T	1,2-Dichlorobenzene	1.534	1.481	3.5	93	0.00
13	t	Benzyl alcohol	0.930	0.961	-3.3	97	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.862	-3.8	101	0.00
15	T	2-Methylphenol	1.079	1.096	-1.6	100	0.00
16	T	Hexachloroethane	0.589	0.523	11.2	89	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.873	-1.2	99	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.218	-3.0	102	0.00
19	S	Nitrobenzene-d5	1.195	1.271	-6.4	100	0.00
20	T	Nitrobenzene	1.222	1.308	-7.0	100	0.00
21	T	Isophorone	2.247	2.337	-4.0	99	0.00
22	T	2-Nitrophenol	0.619	0.679	-9.7	105	0.00
23	T	2,4-Dimethylphenol	1.101	1.118	-1.5	97	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.441	-2.9	98	0.00
25	T	2,4-Dichlorophenol	1.285	1.288	-0.2	96	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.473	5.3	92	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	98	0.00
38	T	Naphthalene	1.100	1.016	7.6	97	0.00
39	T	Benzoic Acid	0.228	0.195	14.5	93	0.00
40	T	4-Chloroaniline	0.121	0.118	2.5	98	0.00
41	T	Hexachlorobutadiene	0.258	0.219	15.1	86	0.00
42	T	p-Chloro-m-cresol	0.290	0.287	1.0	101	0.00
43	T	2-Methylnaphthalene	0.761	0.717	5.8	100	0.00
44	T	1-Methylnaphthalene	0.242	0.224	7.4	95	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.254	6.6	93	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.294	-2.4	104	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.317	0.9	103	0.00
48	S	2-Fluorobiphenyl	0.990	0.909	8.2	98	0.00

Data Path : I:\8270\Dakota\241123RVT\
Data File : ABN1123.D
Acq On : 23 Nov 2024 1:41 pm
Operator : Dakota:ek
Sample : wg2001490-3,32,,ABN 11043 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 23 14:32:04 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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)
49	T	2-Chloronaphthalene	0.852	0.794	6.8	97	0.00
50	T	2-Nitroaniline	0.218	0.236	-8.3	107	0.00
51	T	1,4-Dinitrobenzene	0.095	0.110	-15.8	114	0.00
52	T	1,3-Dinitrobenzene	0.113	0.126	-11.5	108	0.00
53	T	Dimethyl phthalate	0.991	0.957	3.4	102	0.00
54	T	Acenaphthylene	1.252	1.232	1.6	102	0.00
55	T	2,6-Dinitrotoluene	0.185	0.193	-4.3	102	0.00
56	T	1,2-Dinitrobenzene	0.066	0.073	-10.6	102	0.00
65	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	104	0.00
66	T	3-Nitroaniline	0.309	0.333	-7.8	112	0.00
67	T	Acenaphthene	1.163	1.032	11.3	101	0.00
68	T	2,4-Dinitrophenol	0.188	0.166	11.7	100	0.00
69	T	Dibenzofuran	2.006	1.821	9.2	104	0.00
70	T	2,4-Dinitrotoluene	0.387	0.417	-7.8	108	0.00
71	T	4-Nitrophenol	0.230	0.258	-12.2	115	0.00
72	T	2,3,5,6-Tetrachlorophenol	0.436	0.439	-0.7	107	0.00
73	T	2,3,4,6-Tetrachlorophenol	0.428	0.420	1.9	106	0.00
74	T	Diethyl phthalate	1.575	1.416	10.1	103	0.00
75	T	Fluorene	1.536	1.411	8.1	103	0.00
76	T	4-Chlorophenyl phenyl ether	0.792	0.699	11.7	101	0.00
77	T	4-Nitroaniline	0.299	0.353	-18.1	117	0.00
78	T	4,6-Dinitro-o-cresol	0.234	0.247	-5.6	106	0.00
79	T	NDPA/DPA	1.337	1.238	7.4	106	0.00
80	T	Azobenzene	1.281	1.239	3.3	106	0.00
81	S	2,4,6-Tribromophenol	0.286	0.285	0.3	109	0.00
82	T	4-Bromophenyl phenyl ether	0.522	0.465	10.9	102	0.00
83	T	Hexachlorobenzene	0.656	0.582	11.3	103	0.00
84	T	Pentachlorophenol	0.356	0.388	-9.0	113	0.00
90	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	107	0.00
91	T	Phenanthrene	1.183	1.078	8.9	106	0.00
92	T	Anthracene	1.160	1.090	6.0	108	0.00
93	T	Carbazole	1.064	1.056	0.8	111	0.00
94	T	Di-n-butylphthalate	1.207	1.142	5.4	103	0.00
95	T	Fluoranthene	1.422	1.334	6.2	108	0.00
96	T	Benzidine	0.772	0.816	-5.7	109	0.00
97	T	Pyrene	1.520	1.465	3.6	110	0.00
98	S	4-Terphenyl-d14	1.157	1.066	7.9	107	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241123RVT\
Data File : ABN1123.D
Acq On : 23 Nov 2024 1:41 pm
Operator : Dakota:ek
Sample : wg2001490-3,32,,ABN 11043 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 23 14:32:04 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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)
99	T	Butyl benzyl phthalate	0.517	0.530	-2.5	109	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	113	0.00
107	T	Benzo(a)anthracene	1.355	1.240	8.5	112	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.495	2.0	111	0.00
109	T	Chrysene	1.349	1.189	11.9	110	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.692	4.7	107	0.00
111	T	Di-n-octylphthalate	1.212	1.162	4.1	108	0.00
112	T	Benzo(b)fluoranthene	1.420	1.329	6.4	115	0.00
113	T	Benzo(k)fluoranthene	1.383	1.348	2.5	113	0.00
114	T	Benzo(a)pyrene	1.267	1.237	2.4	114	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	116	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.149	6.9	114	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.126	7.2	111	0.00
118	T	Benzo(ghi)perylene	1.192	1.110	6.9	115	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\241123RVT\
Data File : ABN1123.D
Acq On : 23 Nov 2024 1:41 pm
Operator : Dakota:ek
Sample : wg2001490-3,32,,ABN 11043 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 23 14:32:04 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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...	4.226	152	26746	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	5.463	136	105446	4.000	ug/ml	#	0.00
65) IS1_Acenaphthene-d10	7.154	164	72361	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	8.568	188	160365	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	11.133	240	195962	4.000	ug/ml		0.00
115) IS1_Perylene-d12	12.547	264	235211	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.924	112	33168	4.824	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 241.20%#				
7) Phenol-d6	3.928	99	45038	5.114	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 255.70%#				
19) Nitrobenzene-d5	4.777	82	42498	5.318	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 531.80%#				
48) 2-Fluorobiphenyl	6.539	172	119833	4.592	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 459.20%#				
81) 2,4,6-Tribromophenol	7.913	330	25803	4.989	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 249.45%#				
98) 4-Terphenyl-d14	10.138	244	213594	4.603	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 460.30%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.526	74	22942	5.444	ug/ml	#	78
3) Pyridine	1.553	79	34984	5.485	ug/ml	#	59
5) Aniline	3.906	93	54677	5.219	ug/ml		98
6) 2-Chlorophenol	4.018	128	40916	4.995	ug/ml	#	89
8) Phenol	3.941	94	48642	5.120	ug/ml		92
9) Bis(2-chloroethyl)ether	4.000	93	34679	5.098	ug/ml		99
10) 1,3-Dichlorobenzene	4.167	146	49693	4.714	ug/ml		94
11) 1,4-Dichlorobenzene	4.242	146	51177	4.755	ug/ml		94
12) 1,2-Dichlorobenzene	4.388	146	49507M3	4.826	ug/ml		
13) Benzyl alcohol	4.394	79	32134	5.167	ug/ml		99
14) Bis(2-chloroisopropyl)...	4.537	45	62259	5.190	ug/ml	#	63
15) 2-Methylphenol	4.534	108	36645	5.077	ug/ml		100
16) Hexachloroethane	4.714	117	17476	4.435	ug/ml	#	49
17) n-Nitrosodi-n-propylamine	4.668	70	29196	5.062	ug/ml	#	88
18) 3-Methylphenol/4-Methy...	4.696	108	40735	5.152	ug/ml		100
20) Nitrobenzene	4.795	77	43738	5.352	ug/ml		96
21) Isophorone	5.041	82	78142	5.201	ug/ml		94
22) 2-Nitrophenol	5.112	139	22691	5.484	ug/ml	#	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : ABN1123.D
Acq On : 23 Nov 2024 1:41 pm
Operator : Dakota:ek
Sample : wg2001490-3,32,,ABN 11043 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 23 14:32:04 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.206	107	37362	5.077	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.289	93	48180	5.148	ug/ml	96
25) 2,4-Dichlorophenol	5.352	162	43063	5.012	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.423	180	49252	4.736	ug/ml	95
38) Naphthalene	5.485	128	133982	4.620	ug/ml	99
39) Benzoic Acid	5.293	105	25682	4.278	ug/ml	93
40) 4-Chloroaniline	5.569	65	15572	4.885	ug/ml#	66
41) Hexachlorobutadiene	5.644	225	28818	4.231	ug/ml	99
42) p-Chloro-m-cresol	6.076	107	37834	4.952	ug/ml	88
43) 2-Methylnaphthalene	6.163	142	94555	4.712	ug/ml	95
44) 1-Methylnaphthalene	6.253	115	29562	4.633	ug/ml	88
45) Hexachlorocyclopentadiene	6.337	237	33480	4.665	ug/ml	99
46) 2,4,6-Trichlorophenol	6.455	196	38763	5.131	ug/ml	97
47) 2,4,5-Trichlorophenol	6.483	196	41728	4.940	ug/ml	96
49) 2-Chloronaphthalene	6.623	162	104597	4.655	ug/ml	93
50) 2-Nitroaniline	6.741	138	31136	5.415	ug/ml#	76
51) 1,4-Dinitrobenzene	6.878	168	14462	5.790	ug/ml	84
52) 1,3-Dinitrobenzene	6.952	168	16642	5.563	ug/ml#	1
53) Dimethyl phthalate	6.952	163	126141	4.829	ug/ml#	98
54) Acenaphthylene	7.014	152	162420	4.922	ug/ml	98
55) 2,6-Dinitrotoluene	6.990	165	25431	5.216	ug/ml#	77
56) 1,2-Dinitrobenzene	7.027	168	9572	5.482	ug/ml#	1
66) 3-Nitroaniline	7.139	138	30111	5.389	ug/ml	84
67) Acenaphthene	7.185	154	93370	4.437	ug/ml	88
68) 2,4-Dinitrophenol	7.241	184	14982	4.403	ug/ml#	85
69) Dibenzofuran	7.353	168	164714	4.539	ug/ml#	84
70) 2,4-Dinitrotoluene	7.372	165	37708	5.384	ug/ml#	78
71) 4-Nitrophenol	7.344	65	23371	5.611	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.450	232	39678	5.026	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.490	232	37990	4.909	ug/ml	99
74) Diethyl phthalate	7.639	149	128069	4.496	ug/ml	98
75) Fluorene	7.683	166	127636	4.593	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.708	204	63222	4.414	ug/ml#	86
77) 4-Nitroaniline	7.720	138	31908	5.907	ug/ml#	77
78) 4,6-Dinitro-o-cresol	7.757	198	22354	5.280	ug/ml#	60
79) NDPA/DPA	7.826	169	111975	4.631	ug/ml	91
80) Azobenzene	7.857	77	112037	4.836	ug/ml	97
82) 4-Bromophenyl phenyl e...	8.171	248	42090	4.461	ug/ml#	80
83) Hexachlorobenzene	8.214	284	52677	4.436	ug/ml#	79
84) Pentachlorophenol	8.410	266	35115	5.455	ug/ml	98
91) Phenanthrene	8.590	178	216127	4.558	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : ABN1123.D
Acq On : 23 Nov 2024 1:41 pm
Operator : Dakota:ek
Sample : wg2001490-3,32,,ABN 11043 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 23 14:32:04 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Anthracene	8.637	178	218592	4.701	ug/ml	98
93) Carbazole	8.814	167	211694	4.961	ug/ml	98
94) Di-n-butylphthalate	9.221	149	228976	4.733	ug/ml#	98
95) Fluoranthene	9.728	202	267353	4.689	ug/ml#	92
96) Benzidine	9.893	184	163561	5.286	ug/ml#	95
97) Pyrene	9.936	202	293610	4.819	ug/ml	100
99) Butyl benzyl phthalate	10.654	149	106324	5.130	ug/ml#	84
107) Benzo(a)anthracene	11.123	228	303675	4.574	ug/ml	99
108) 3,3'-Dichlorobenzidine	11.139	252	121276	4.903	ug/ml#	97
109) Chrysene	11.161	228	291245	4.407	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.282	149	169620	4.766	ug/ml#	88
111) Di-n-octylphthalate	11.941	149	284578	4.794	ug/ml#	73
112) Benzo(b)fluoranthene	12.193	252	325577	4.681	ug/ml#	94
113) Benzo(k)fluoranthene	12.220	252	330091	4.871	ug/ml#	94
114) Benzo(a)pyrene	12.494	252	302914	4.880	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.482	276	337800	4.655	ug/mL#	89
117) Dibenzo(a,h)anthracene	13.510	278	330997	4.641	ug/ml#	90
118) Benzo(ghi)perylene	13.694	276	326499	4.658	ug/ml#	87

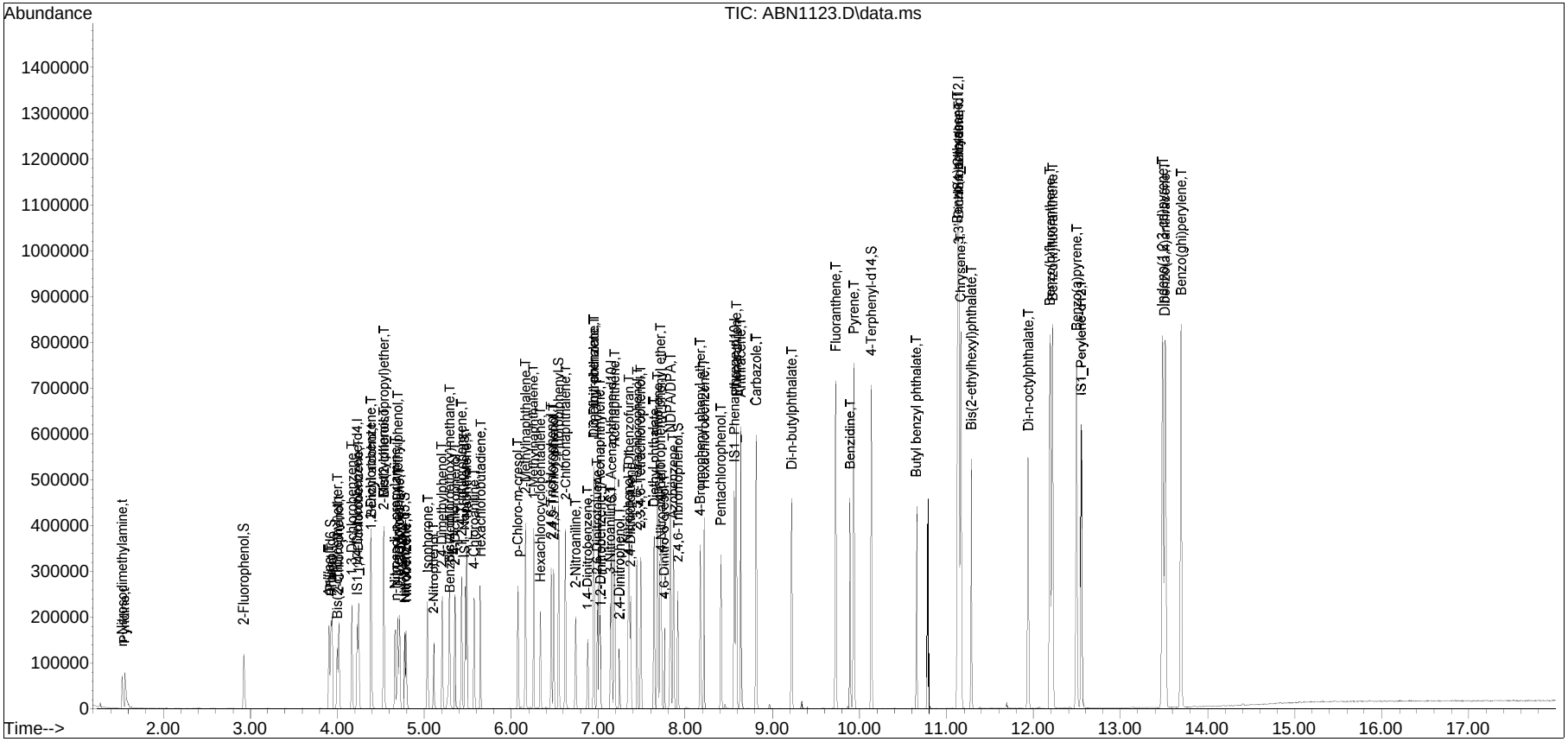
(#) = qualifier out of range (m) = manual integration (+) = signals summed

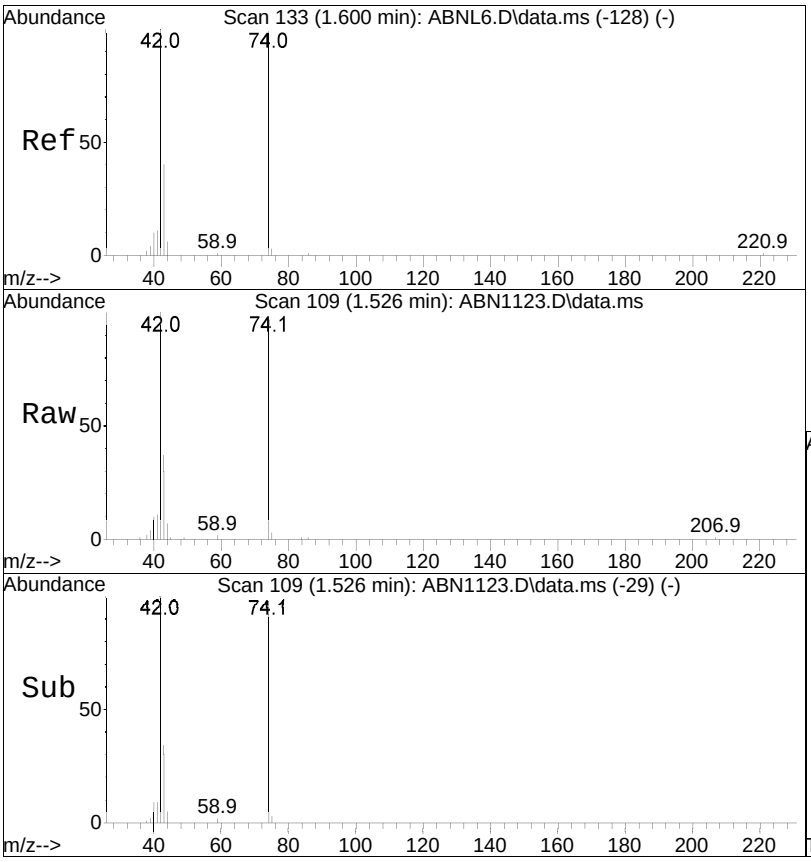
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : ABN1123.D
Acq On : 23 Nov 2024 1:41 pm
Operator : Dakota:ek
Sample : wg2001490-3,32,,ABN 11043 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 23 14:32:04 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

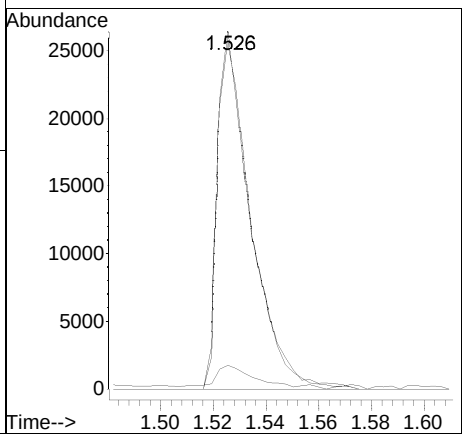


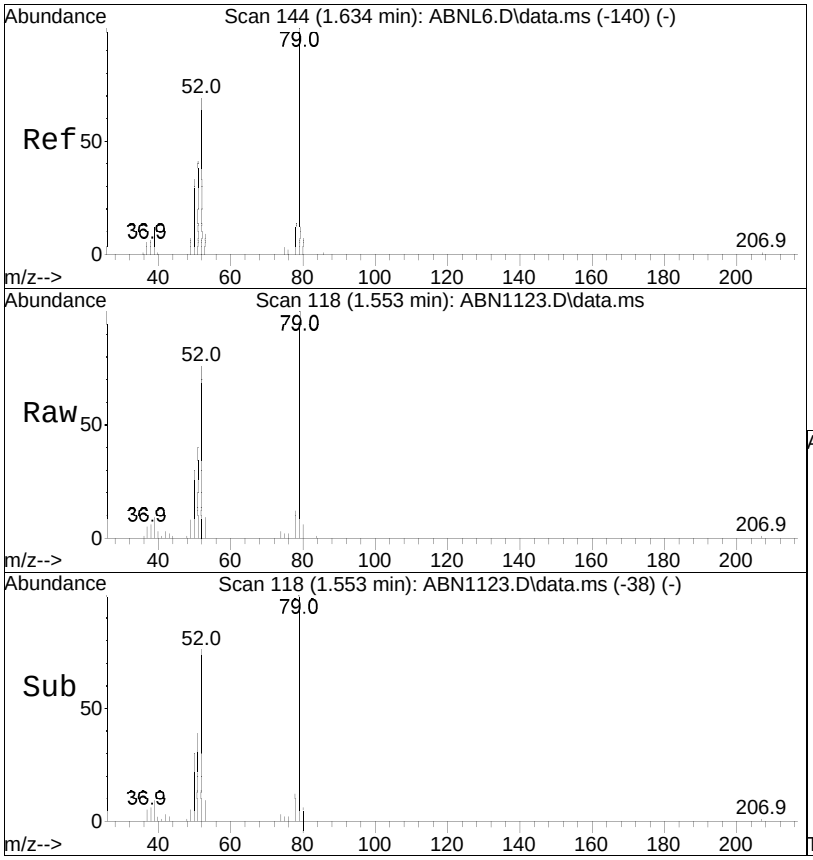


#2
n-Nitrosodimethylamine
Concen: 5.44 ug/ml
RT: 1.526 min Scan# 109
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 74 Resp: 22942

Ion	Ratio	Lower	Upper
74	100		
42	99.0	100.0	150.0#
44	6.3	6.7	10.1#

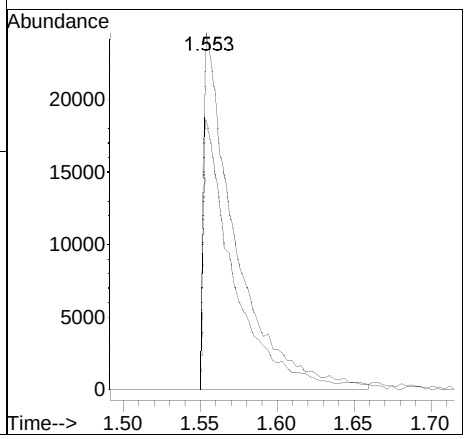


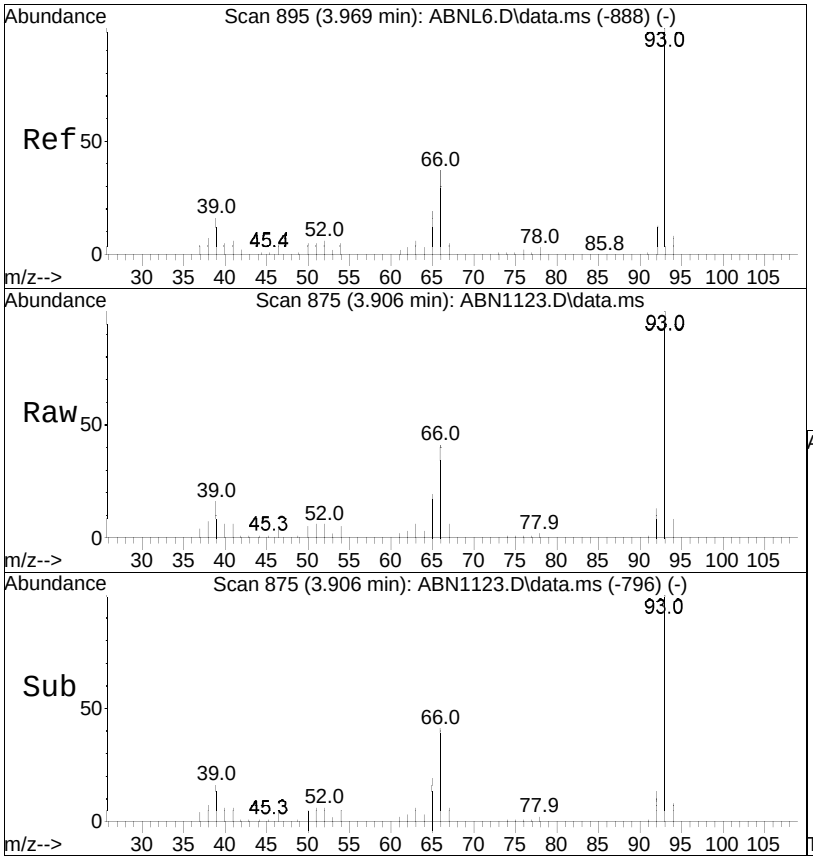


#3
Pyridine
Concen: 5.48 ug/ml
RT: 1.553 min Scan# 118
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 79 Resp: 34984

Ion	Ratio	Lower	Upper
79	100		
52	71.9	93.1	139.7#

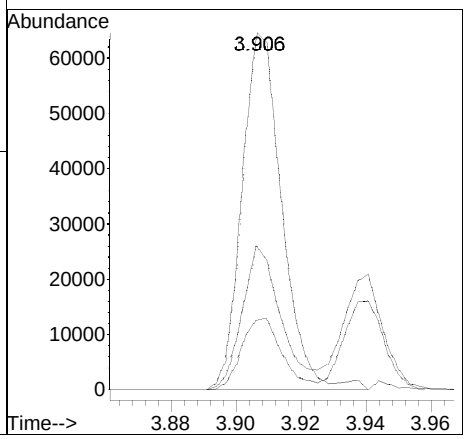


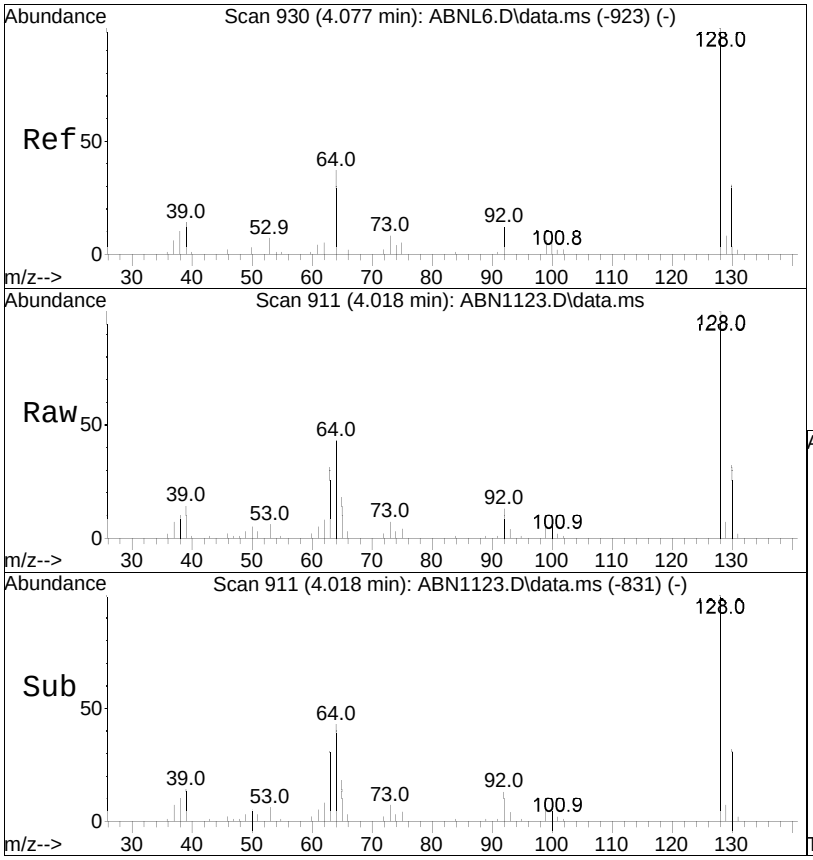


#5
Aniline
Concen: 5.22 ug/ml
RT: 3.906 min Scan# 875
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 93 Resp: 54677

Ion	Ratio	Lower	Upper
93	100		
66	40.0	32.6	49.0
65	20.7	17.6	26.4

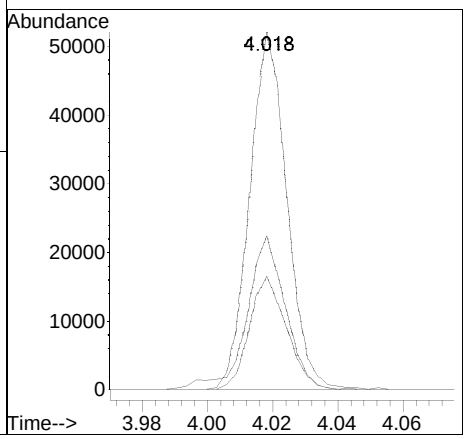


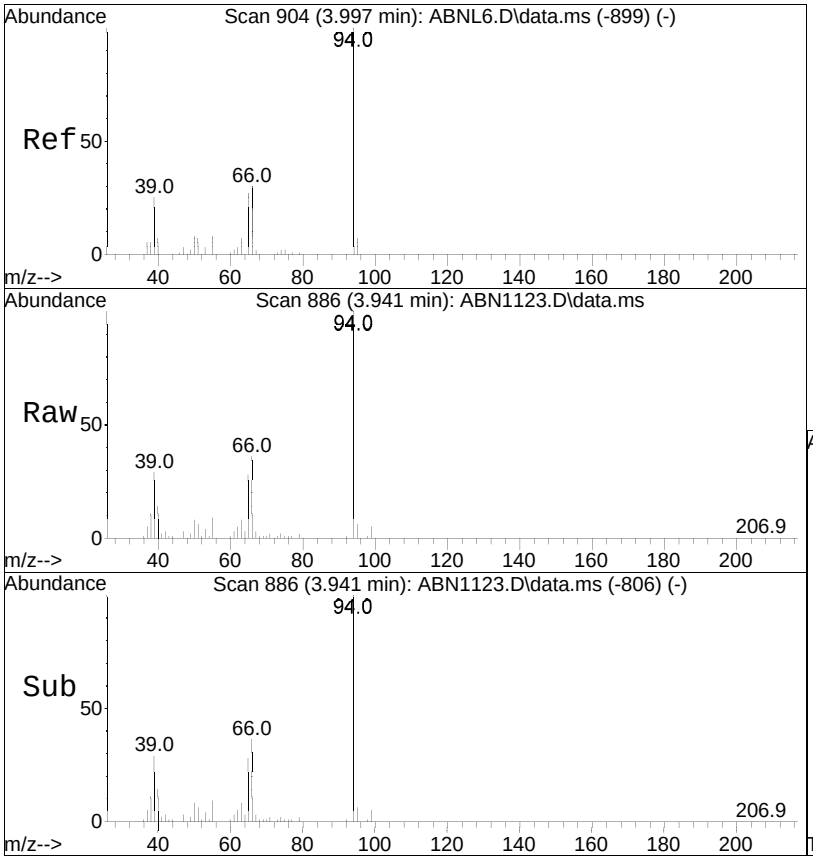


#6
2-Chlorophenol
Concen: 4.99 ug/ml
RT: 4.018 min Scan# 911
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:128 Resp: 40916

Ion	Ratio	Lower	Upper
128	100		
64	44.6	45.1	67.7#
130	31.6	26.2	39.4

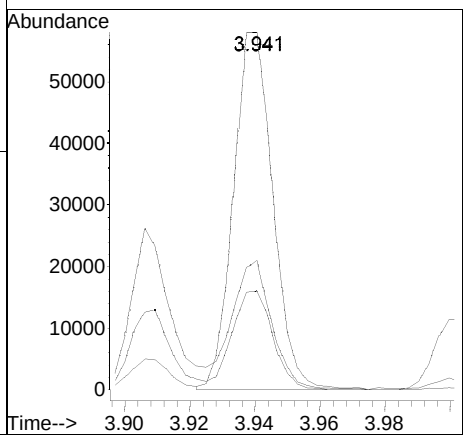


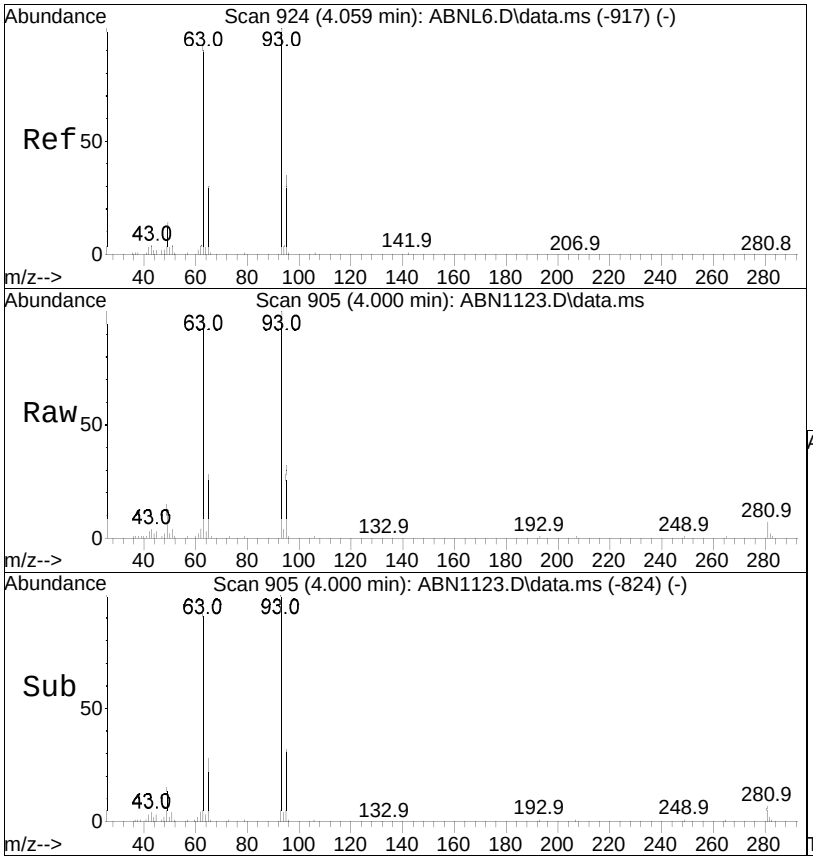


#8
Phenol
Concen: 5.12 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 94 Resp: 48642

Ion	Ratio	Lower	Upper
94	100		
65	28.6	26.0	39.0
66	37.1	33.8	50.8

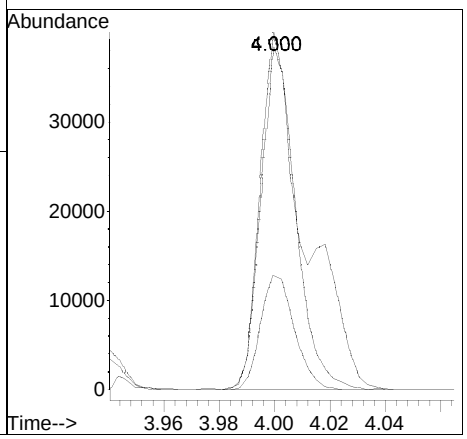


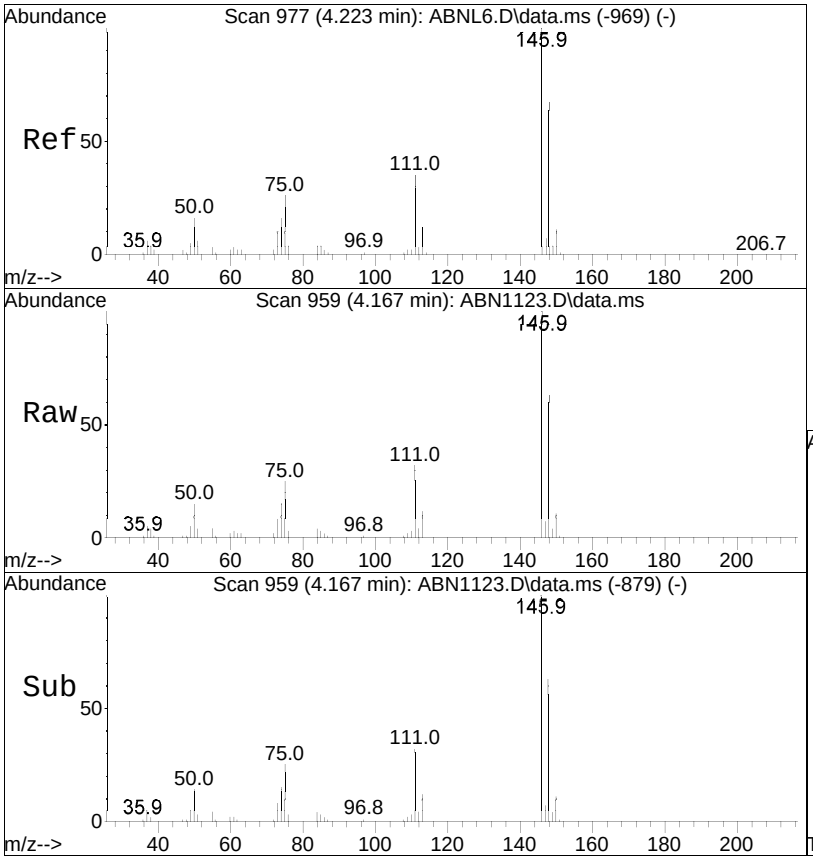


#9
Bis(2-chloroethyl)ether
Concen: 5.10 ug/ml
RT: 4.000 min Scan# 905
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 93 Resp: 34679

Ion	Ratio	Lower	Upper
93	100		
63	93.4	74.6	111.8
95	31.5	25.9	38.9

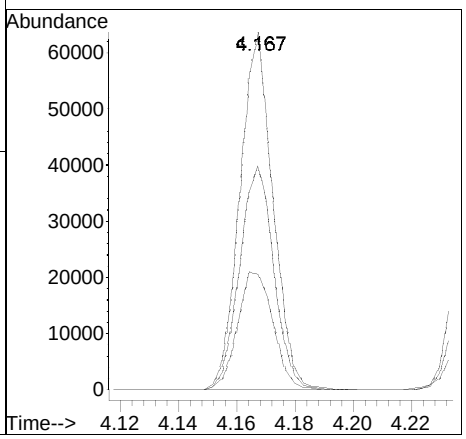


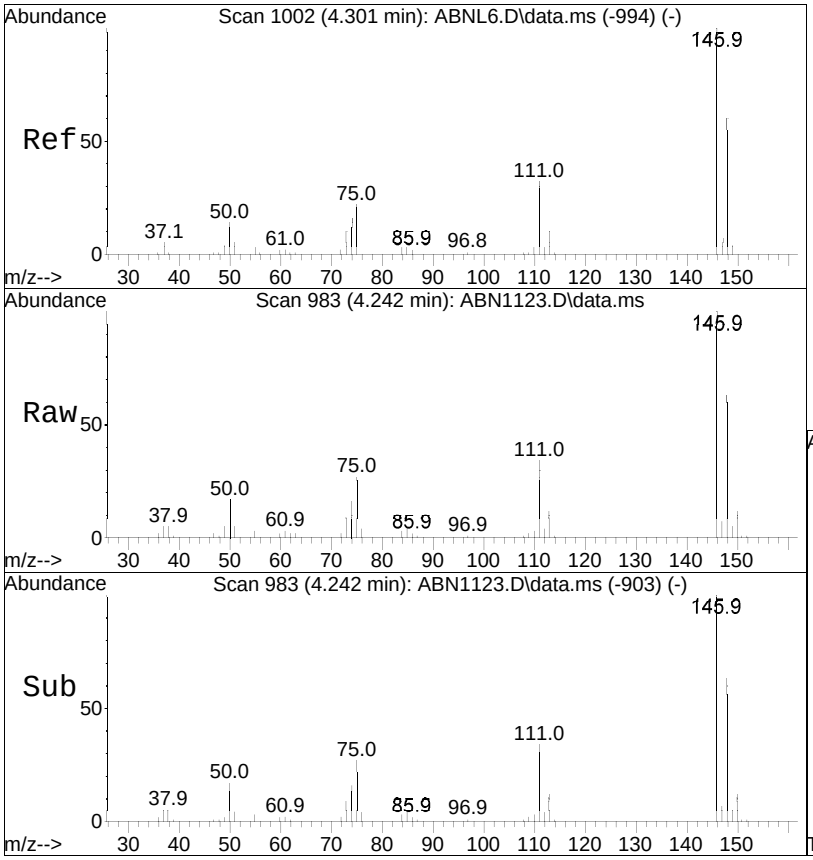


#10
1,3-Dichlorobenzene
Concen: 4.71 ug/ml
RT: 4.167 min Scan# 959
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:146 Resp: 49693

Ion	Ratio	Lower	Upper
146	100		
111	35.7	34.3	51.5
148	64.9	50.8	76.2

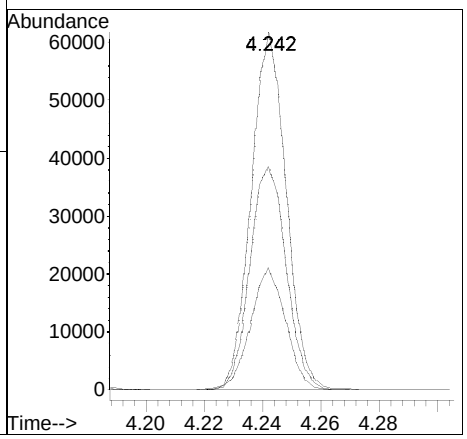


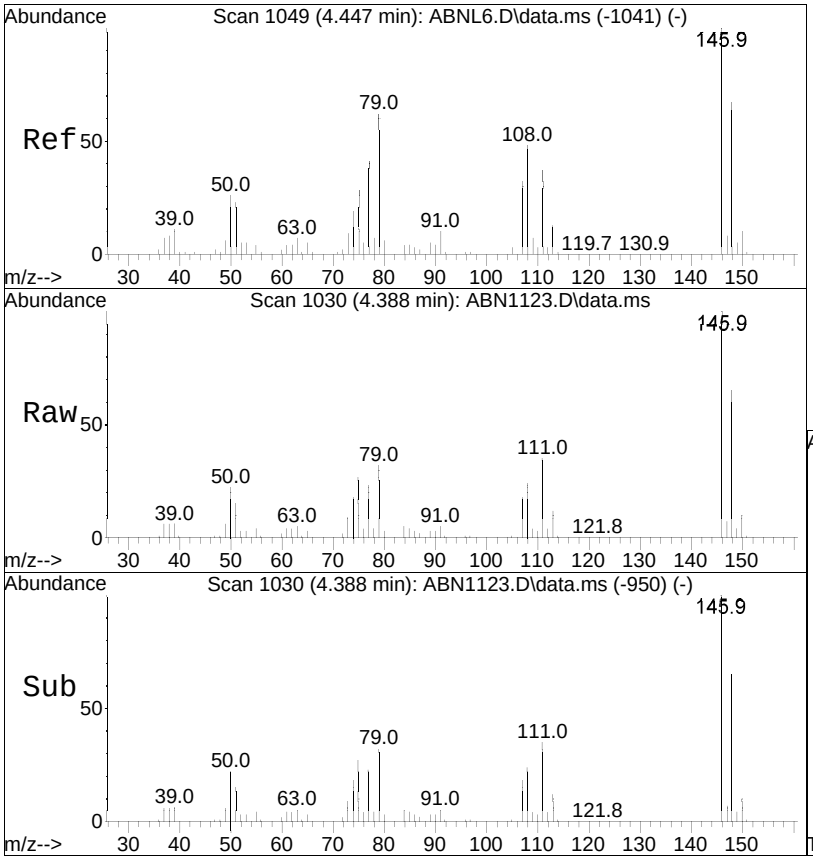


#11
1,4-Dichlorobenzene
Concen: 4.75 ug/ml
RT: 4.242 min Scan# 983
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:146 Resp: 51177

Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.7	76.1
111	34.7	33.4	50.0

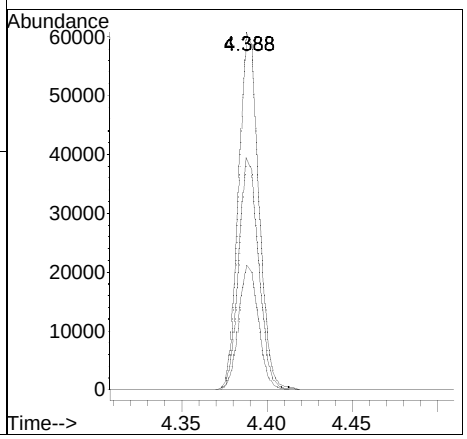


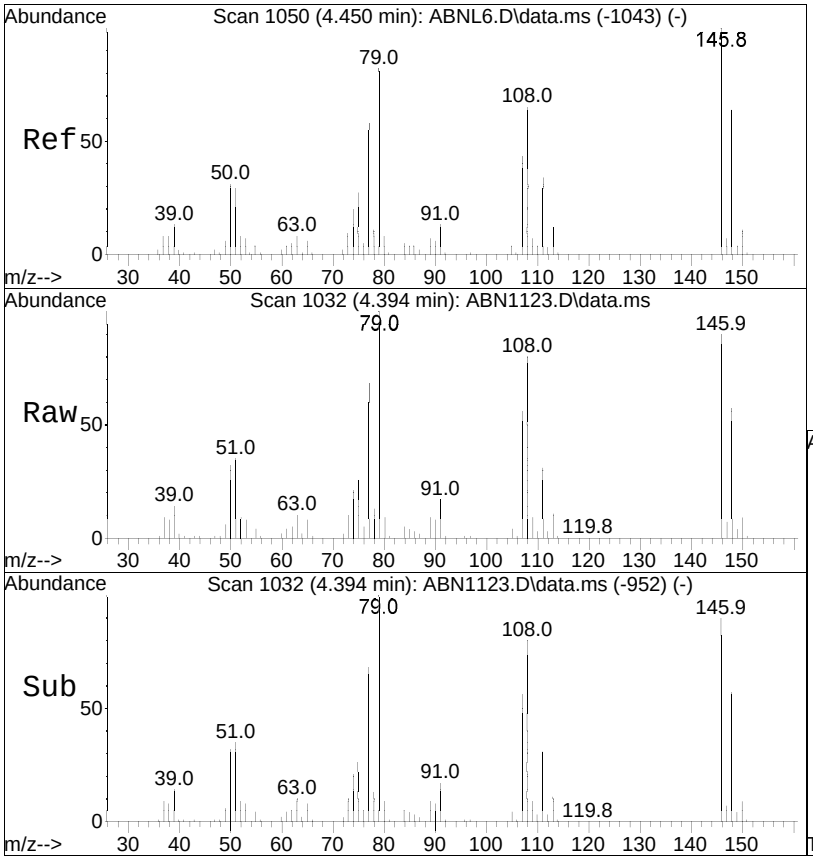


#12
1,2-Dichlorobenzene
Concen: 4.83 ug/ml M3
RT: 4.388 min Scan# 1030
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:146 Resp: 49507

Ion	Ratio	Lower	Upper
146	100		
111	35.8	34.6	52.0
148	67.1	50.2	75.4

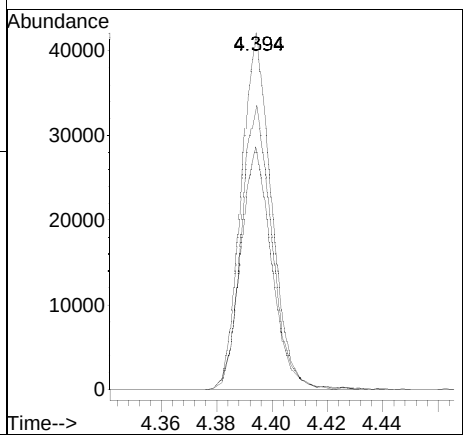


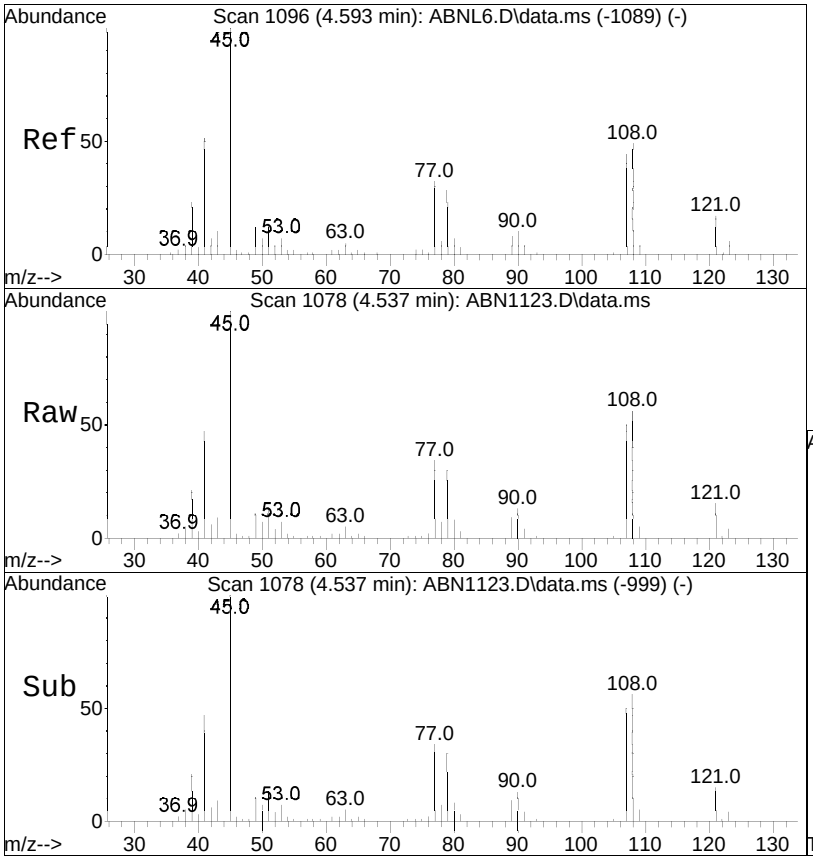


#13
Benzyl alcohol
Concen: 5.17 ug/ml
RT: 4.394 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 79 Resp: 32134

Ion	Ratio	Lower	Upper
79	100		
77	69.8	54.9	82.3
108	80.0	63.1	94.7

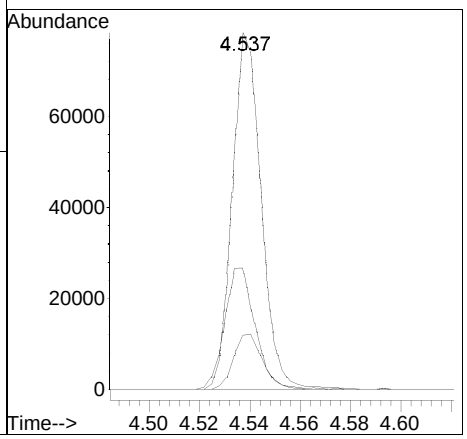


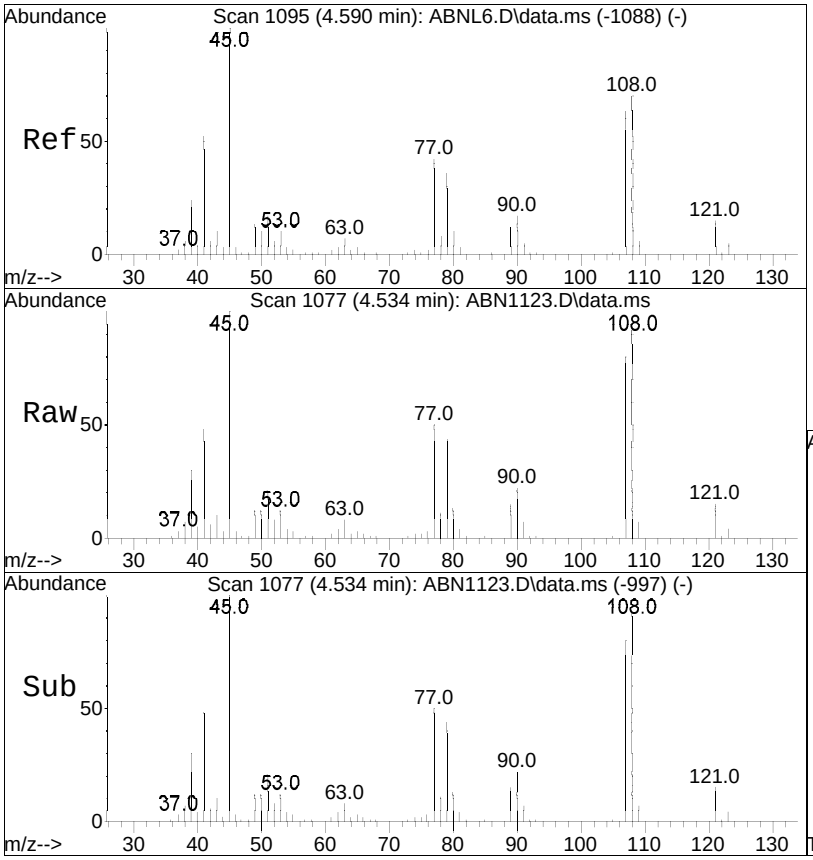


#14
Bis(2-chloroisopropyl)ether
Concen: 5.19 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 45 Resp: 62259

Ion	Ratio	Lower	Upper
45	100		
121	15.6	9.8	14.6#
77	36.2	6.1	9.1#

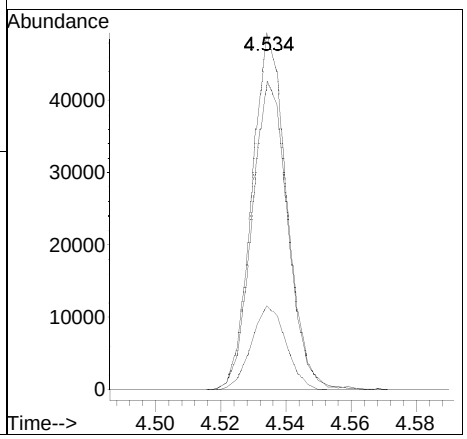


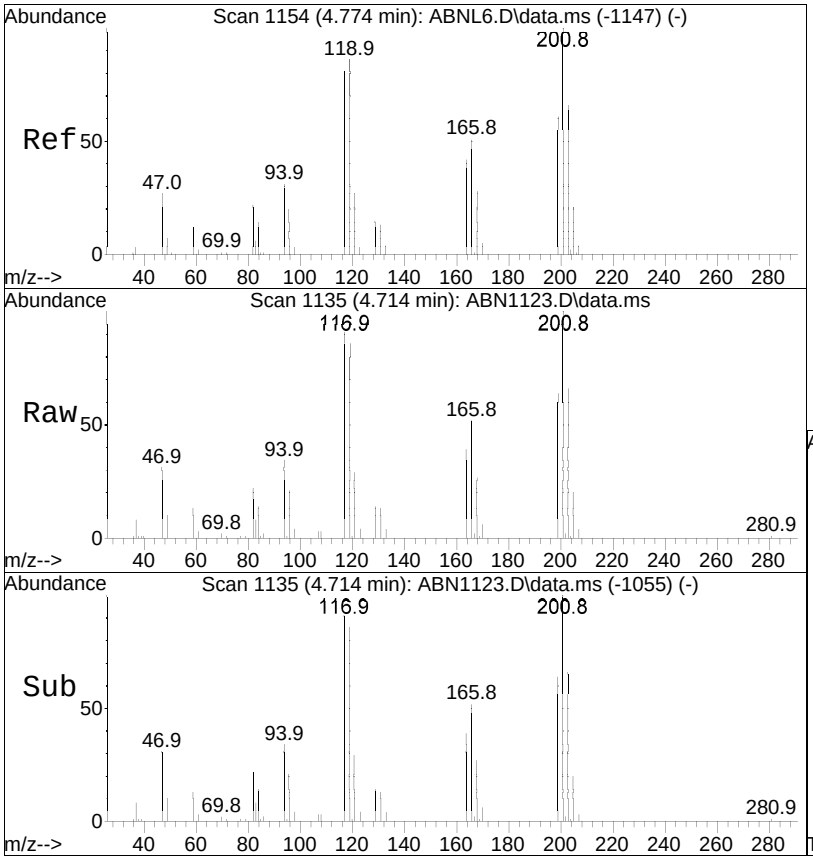


#15
2-Methylphenol
Concen: 5.08 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:108 Resp: 36645

Ion	Ratio	Lower	Upper
108	100		
107	88.9	70.7	106.1
90	23.5	18.7	28.1

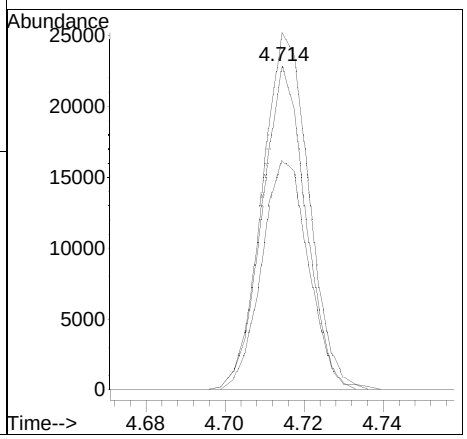


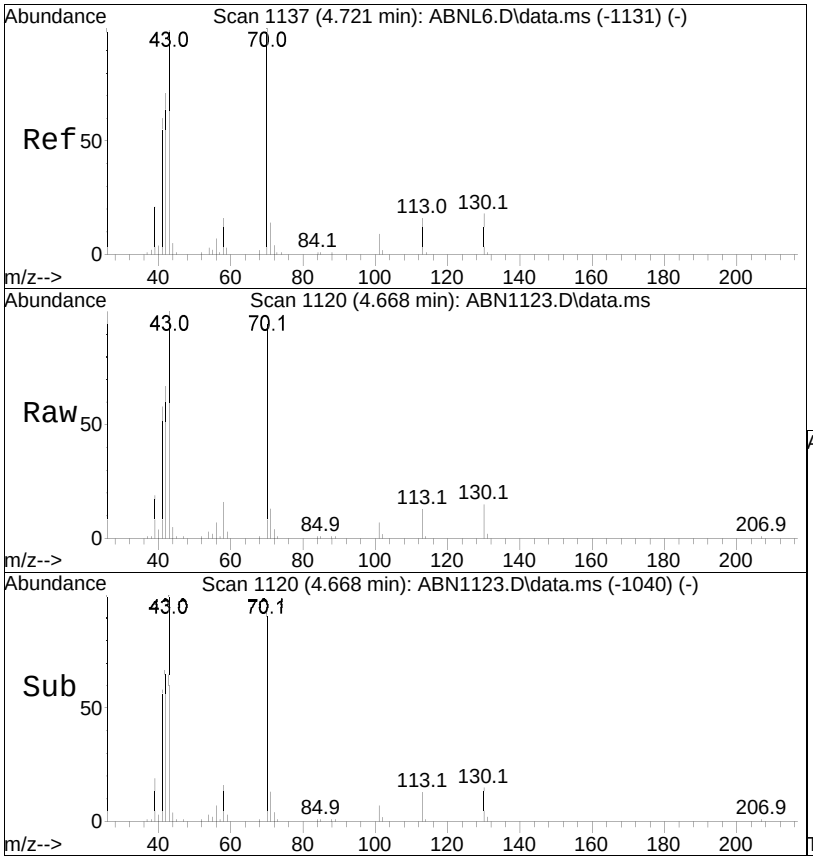


#16
Hexachloroethane
Concen: 4.43 ug/ml
RT: 4.714 min Scan# 1135
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:117 Resp: 17476

Ion	Ratio	Lower	Upper
117	100		
201	118.3	58.6	87.8#
199	76.4	36.9	55.3#

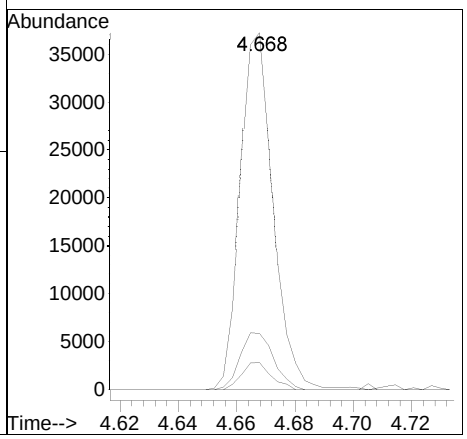


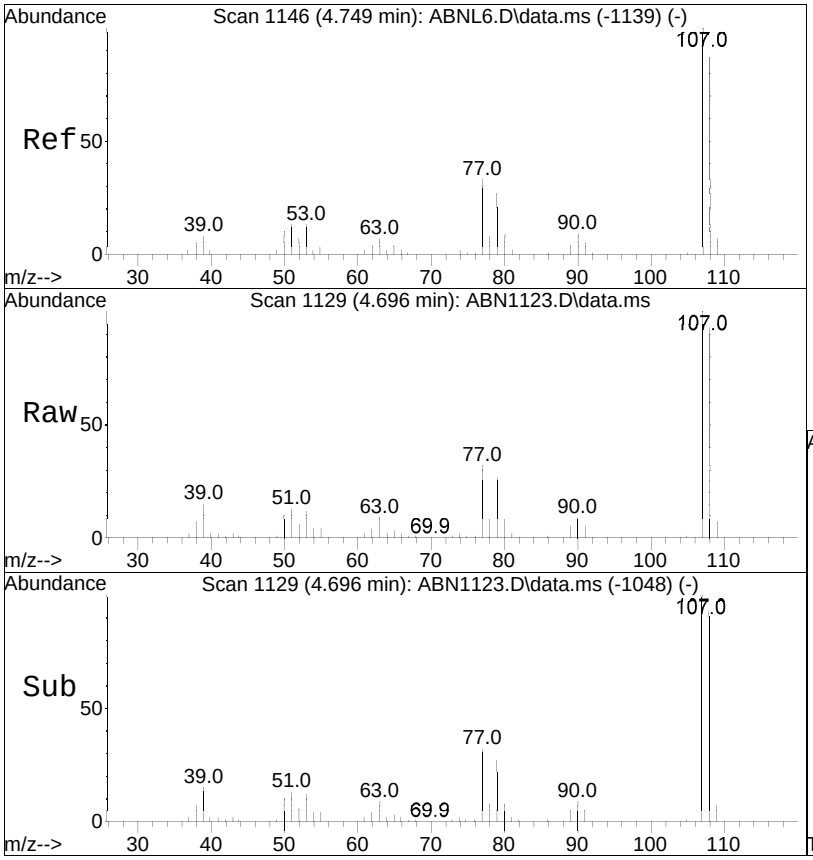


#17
n-Nitrosodi-n-propylamine
Concen: 5.06 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 70 Resp: 29196

Ion	Ratio	Lower	Upper
70	100		
130	16.2	18.2	27.4#
101	6.9	7.8	11.8#

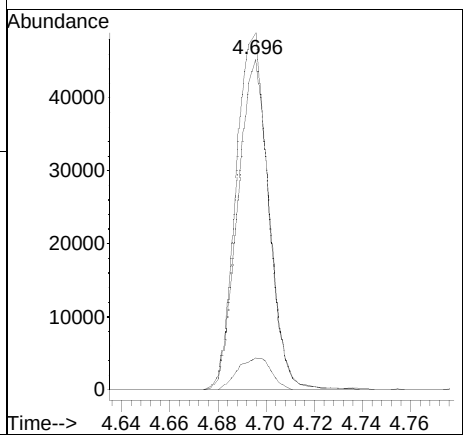


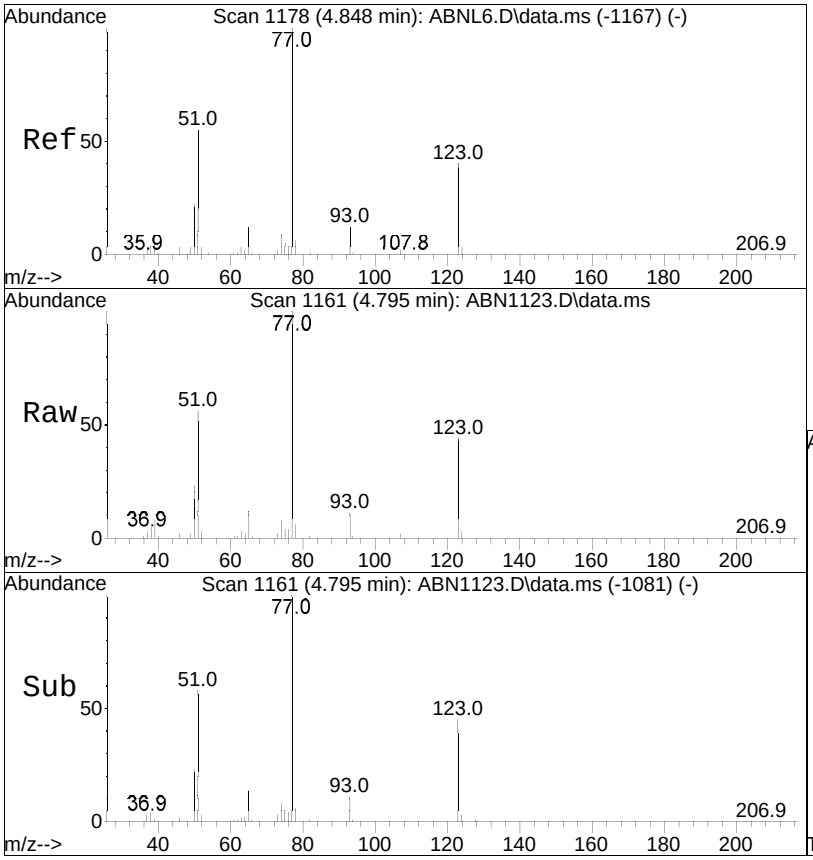


#18
3-Methylphenol/4-Methylphenol
Concen: 5.15 ug/ml
RT: 4.696 min Scan# 1129
Delta R.T. 0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:108 Resp: 40735

Ion	Ratio	Lower	Upper
108	100		
107	111.0	88.6	132.8
90	10.3	8.8	13.2

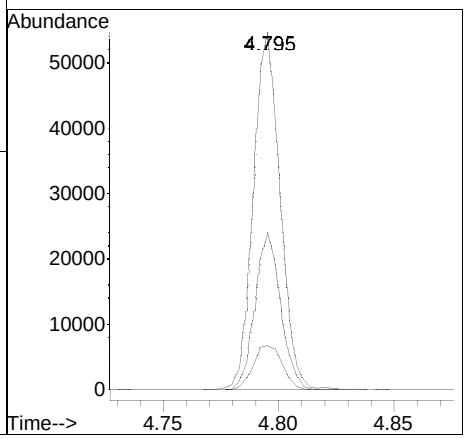


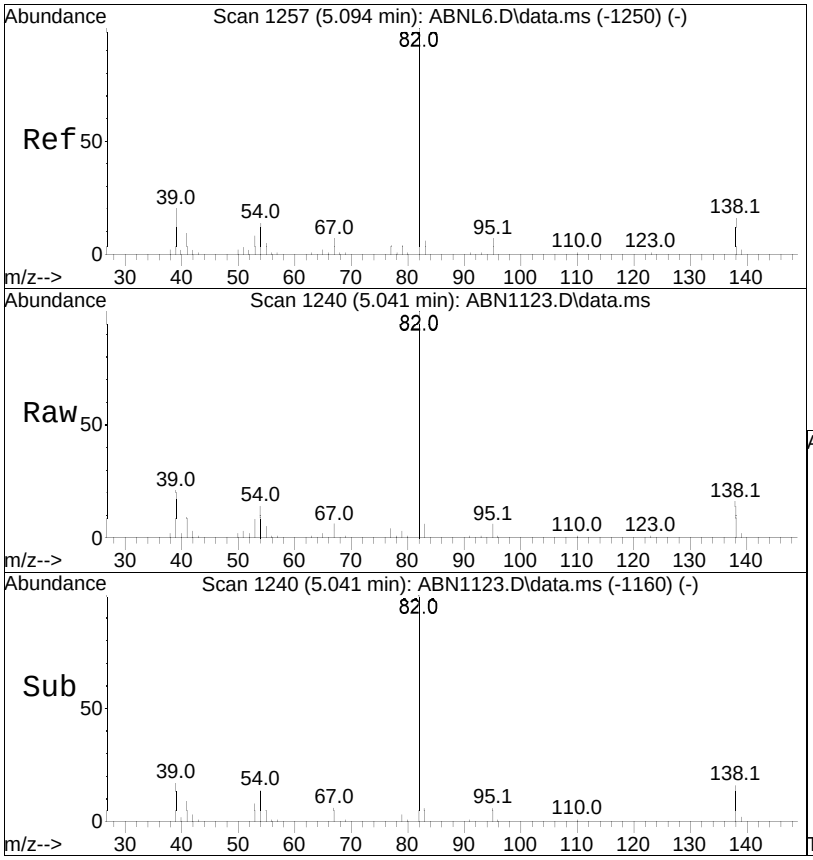


#20
Nitrobenzene
Concen: 5.35 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 77 Resp: 43738

Ion	Ratio	Lower	Upper
77	100		
123	42.2	36.3	54.5
65	13.8	11.6	17.4

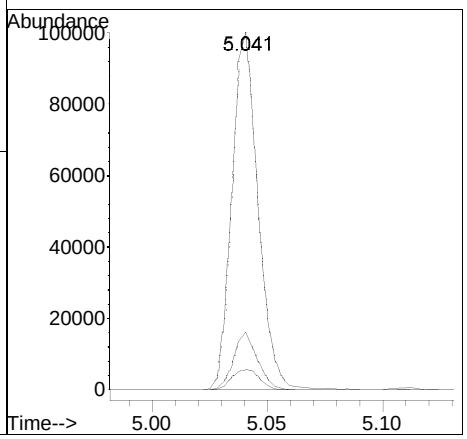


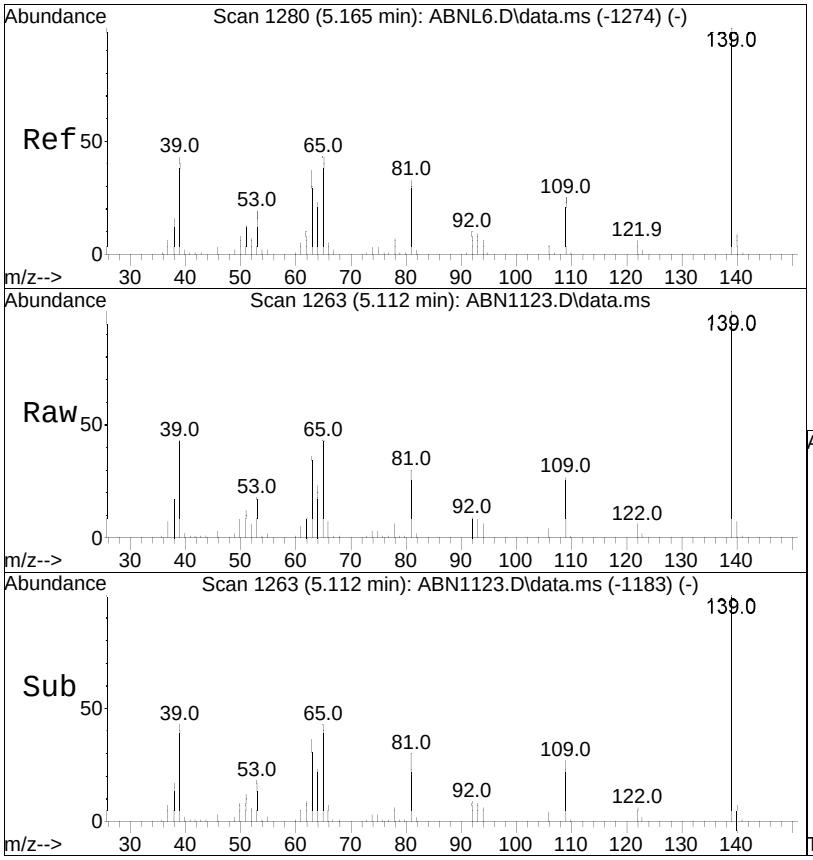


#21
Isophorone
Concen: 5.20 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 82 Resp: 78142

Ion	Ratio	Lower	Upper
82	100		
138	14.8	14.7	22.1
95	6.2	5.2	7.8

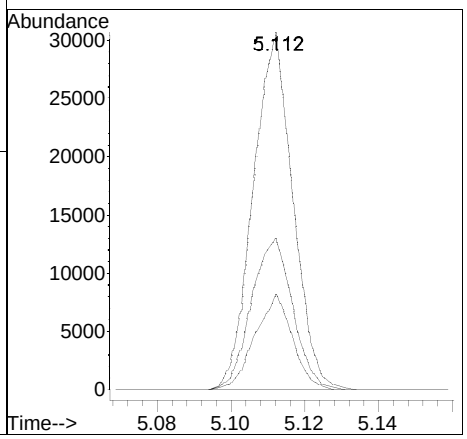


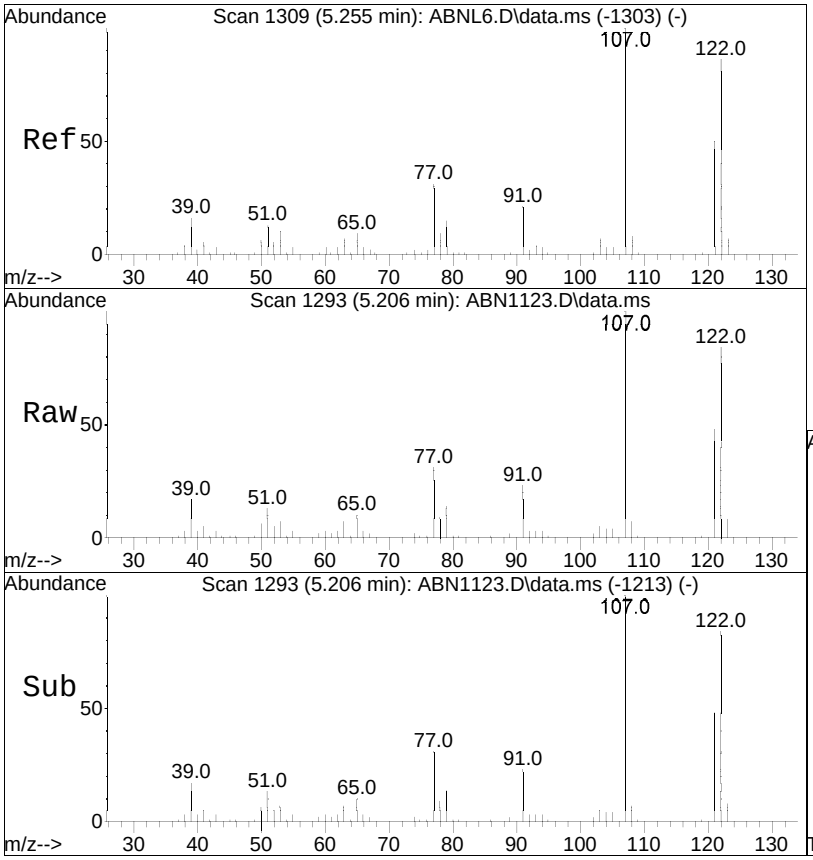


#22
2-Nitrophenol
Concen: 5.48 ug/ml
RT: 5.112 min Scan# 1263
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:139 Resp: 22691

Ion	Ratio	Lower	Upper
139	100		
109	25.4	19.4	29.0
65	44.3	46.1	69.1#

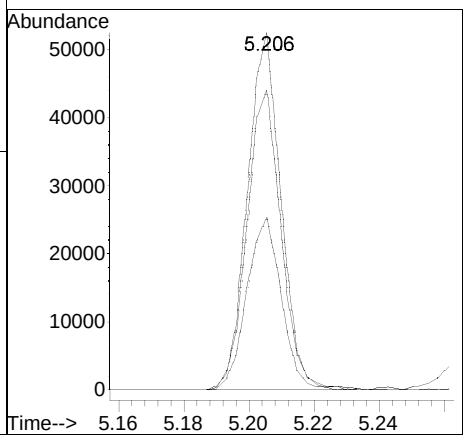


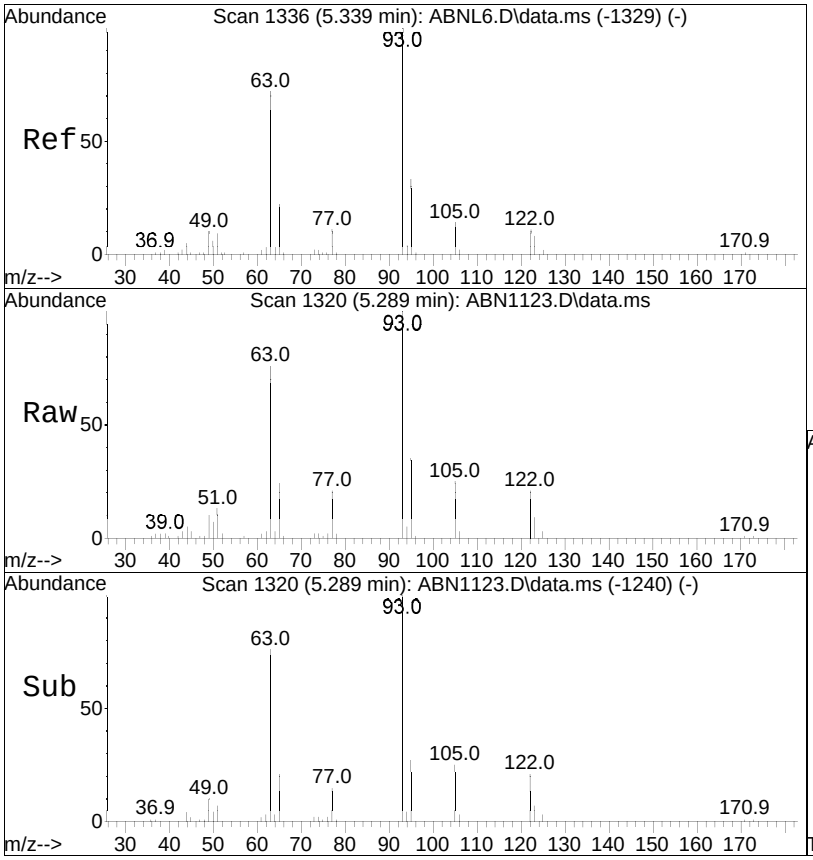


#23
2,4-Dimethylphenol
Concen: 5.08 ug/ml
RT: 5.206 min Scan# 1293
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:107 Resp: 37362

Ion	Ratio	Lower	Upper
107	100		
121	49.7	40.0	60.0
122	85.3	70.2	105.4

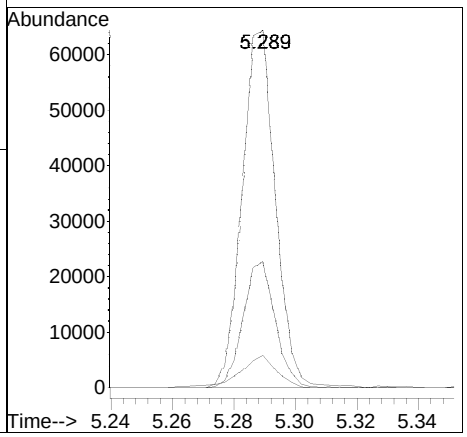


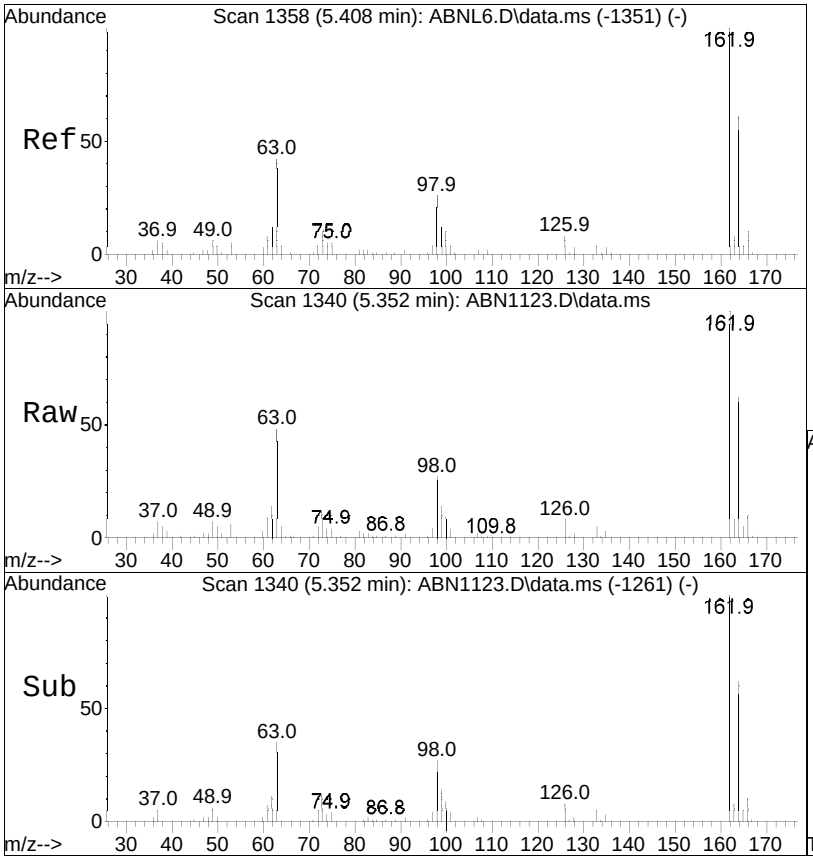


#24
Bis(2-chloroethoxy)methane
Concen: 5.15 ug/ml
RT: 5.289 min Scan# 1320
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 93 Resp: 48180

Ion	Ratio	Lower	Upper
93	100		
95	34.3	25.8	38.8
123	10.2	10.1	15.1

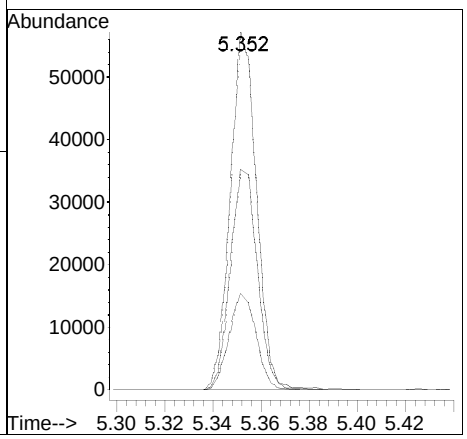


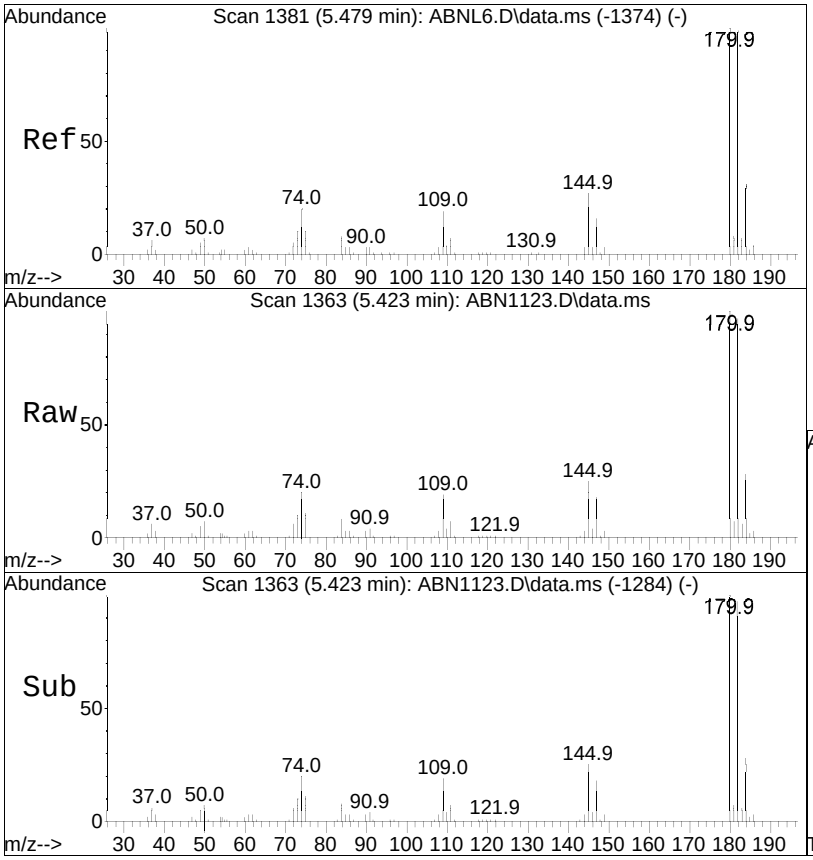


#25
2,4-Dichlorophenol
Concen: 5.01 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:162 Resp: 43063

Ion	Ratio	Lower	Upper
162	100		
164	63.4	51.0	76.4
98	28.0	32.2	48.2#

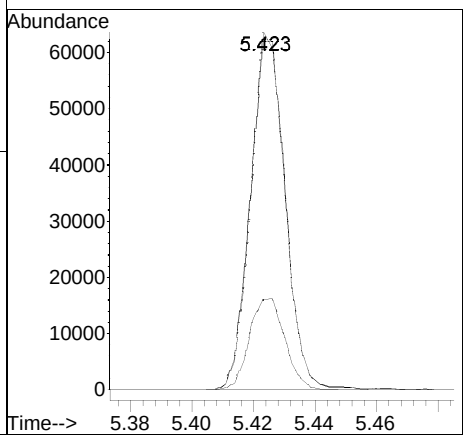


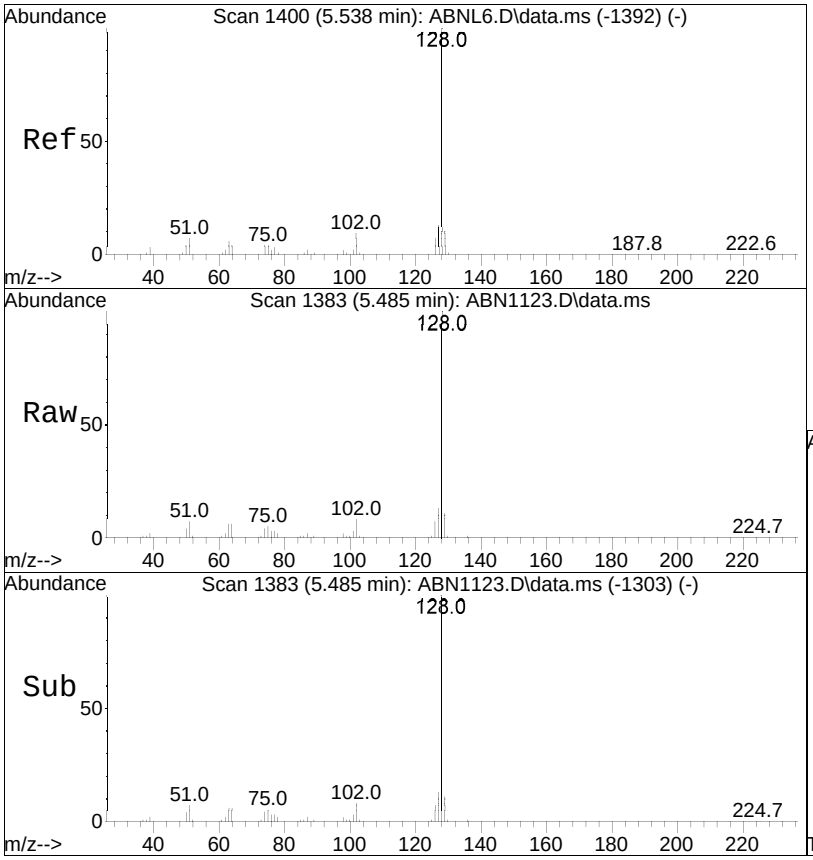


#26
1,2,4-Trichlorobenzene
Concen: 4.74 ug/ml
RT: 5.423 min Scan# 1363
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:180 Resp: 49252

Ion	Ratio	Lower	Upper
180	100		
182	98.6	76.0	114.0
145	26.4	25.7	38.5

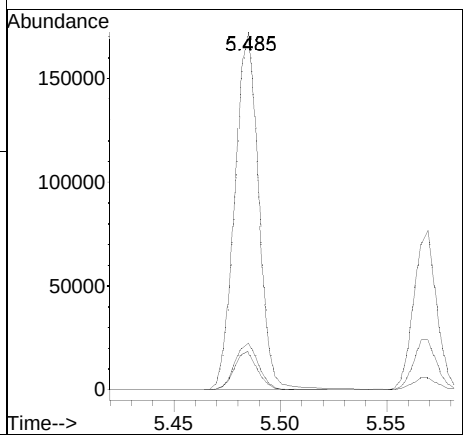


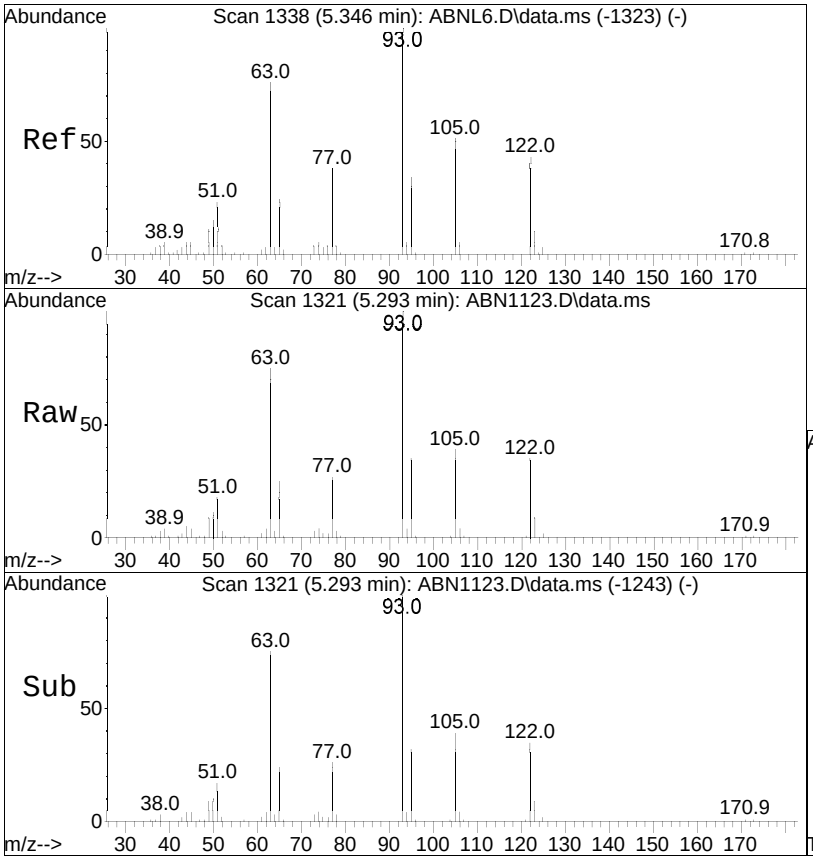


#38
Naphthalene
Concen: 4.62 ug/ml
RT: 5.485 min Scan# 1383
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:128 Resp: 133982

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.7	13.1
127	13.1	10.3	15.5

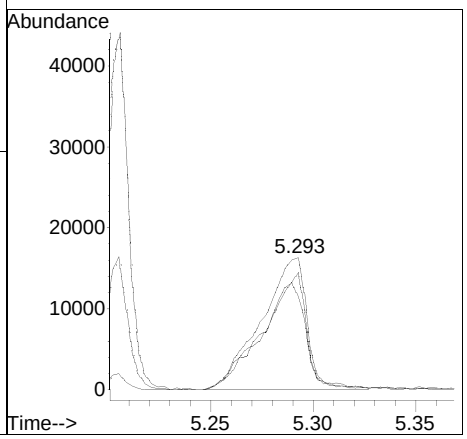


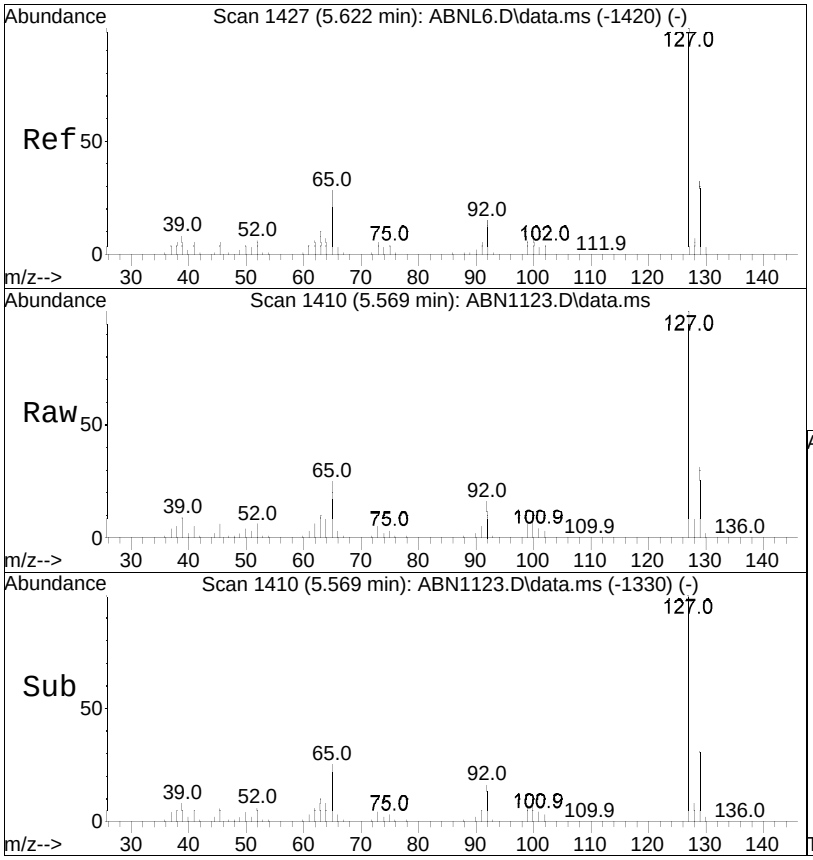


#39
Benzoic Acid
Concen: 4.28 ug/ml
RT: 5.293 min Scan# 1321
Delta R.T. -0.006 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:105 Resp: 25682

Ion	Ratio	Lower	Upper
105	100		
122	82.9	59.9	89.9
77	79.3	60.1	90.1

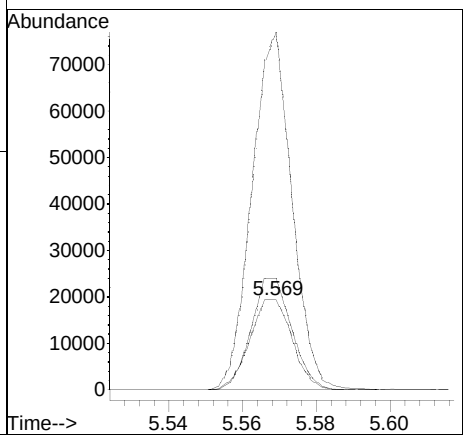


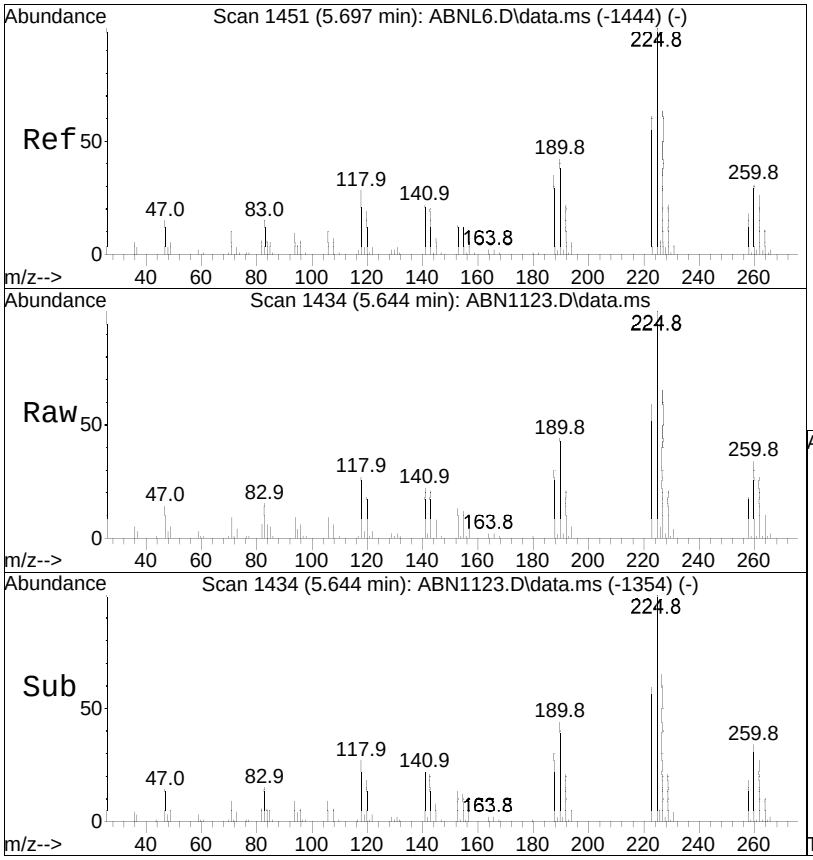


#40
4-Chloroaniline
Concen: 4.89 ug/ml
RT: 5.569 min Scan# 1410
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 65 Resp: 15572

Ion	Ratio	Lower	Upper
65	100		
127	369.3	237.6	356.4#
129	117.9	76.3	114.5#

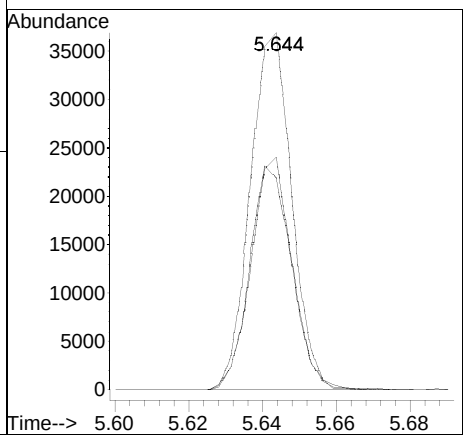


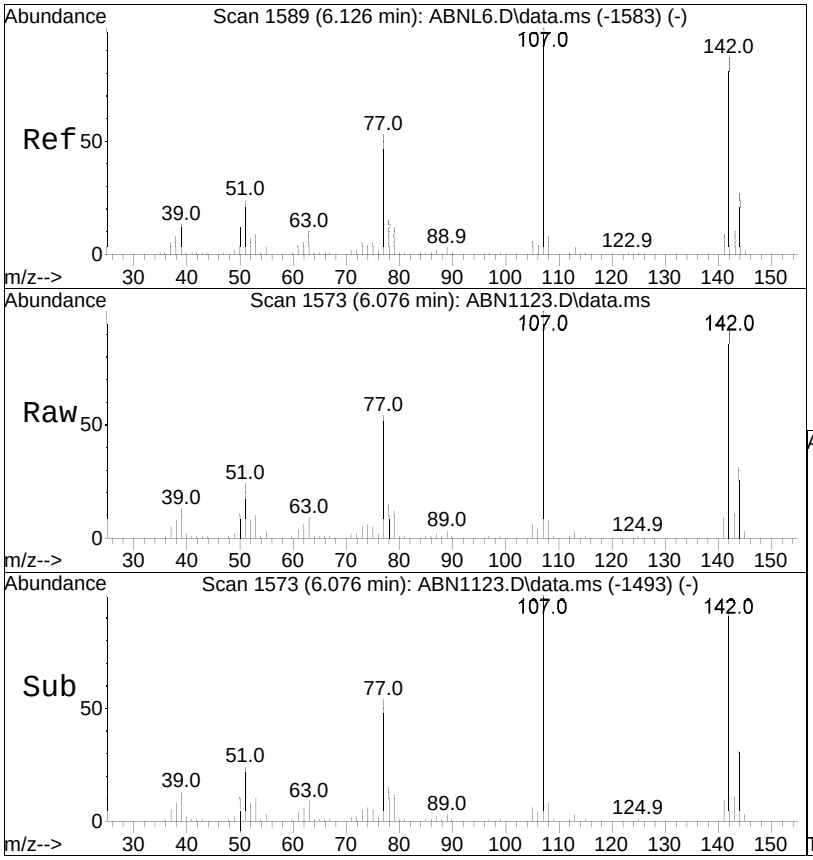


#41
Hexachlorobutadiene
Concen: 4.23 ug/ml
RT: 5.644 min Scan# 1434
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:225 Resp: 28818

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.3	75.5
227	64.2	52.2	78.2

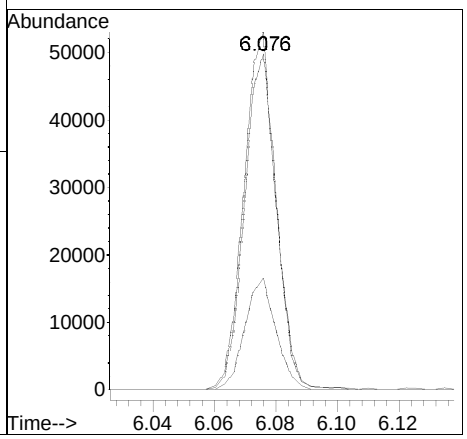


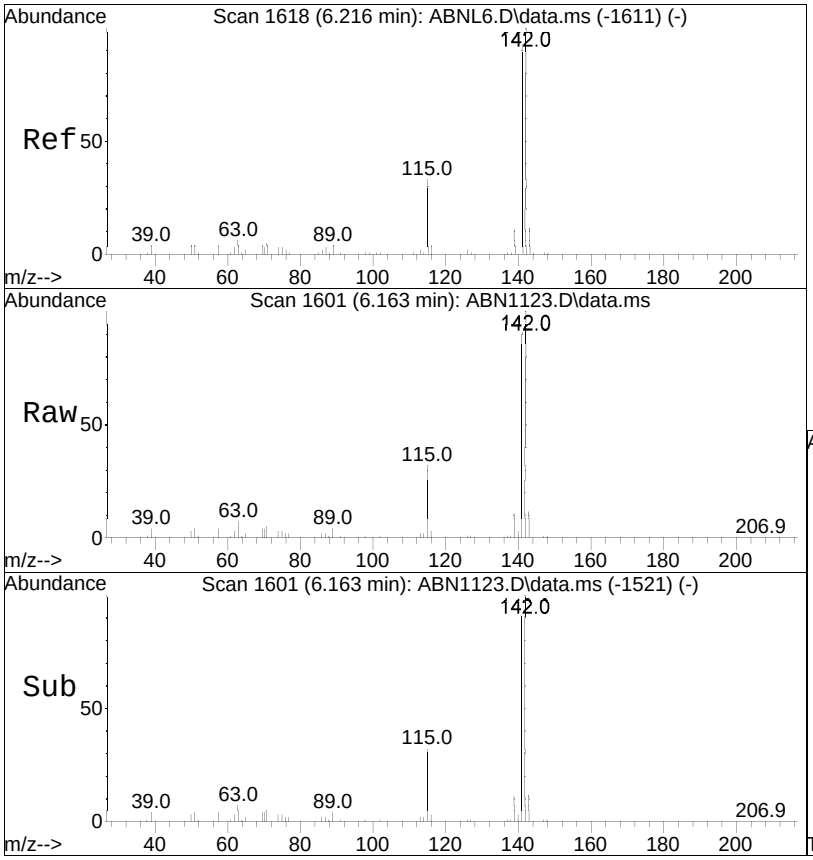


#42
p-Chloro-m-cresol
Concen: 4.95 ug/ml
RT: 6.076 min Scan# 1573
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:107 Resp: 37834

Ion	Ratio	Lower	Upper
107	100		
144	30.4	20.9	31.3
142	94.0	66.1	99.1

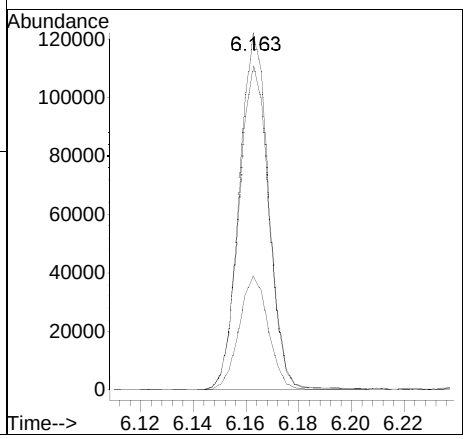


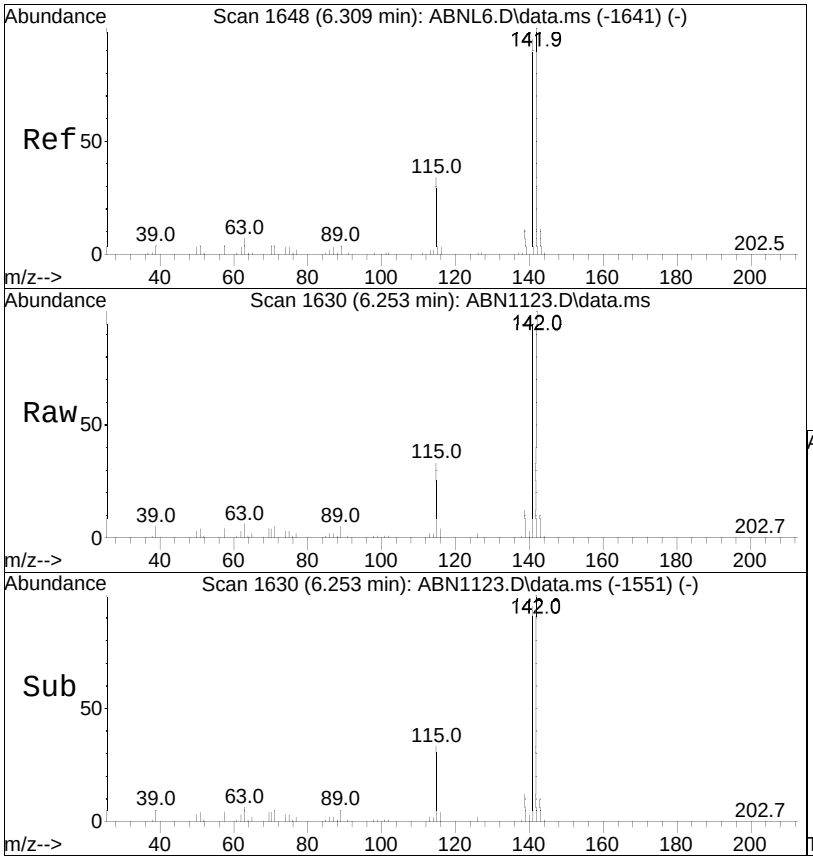


#43
2-Methylnaphthalene
Concen: 4.71 ug/ml
RT: 6.163 min Scan# 1601
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:142 Resp: 94555

Ion	Ratio	Lower	Upper
142	100		
141	92.5	69.6	104.4
115	31.8	26.6	40.0

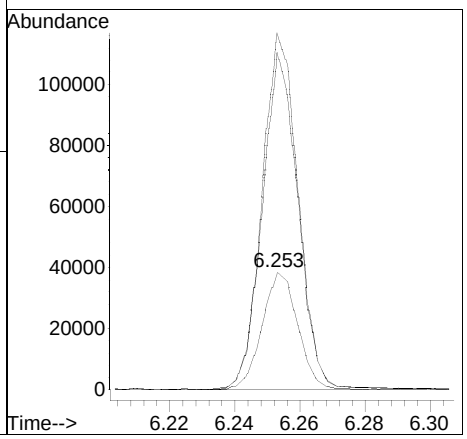


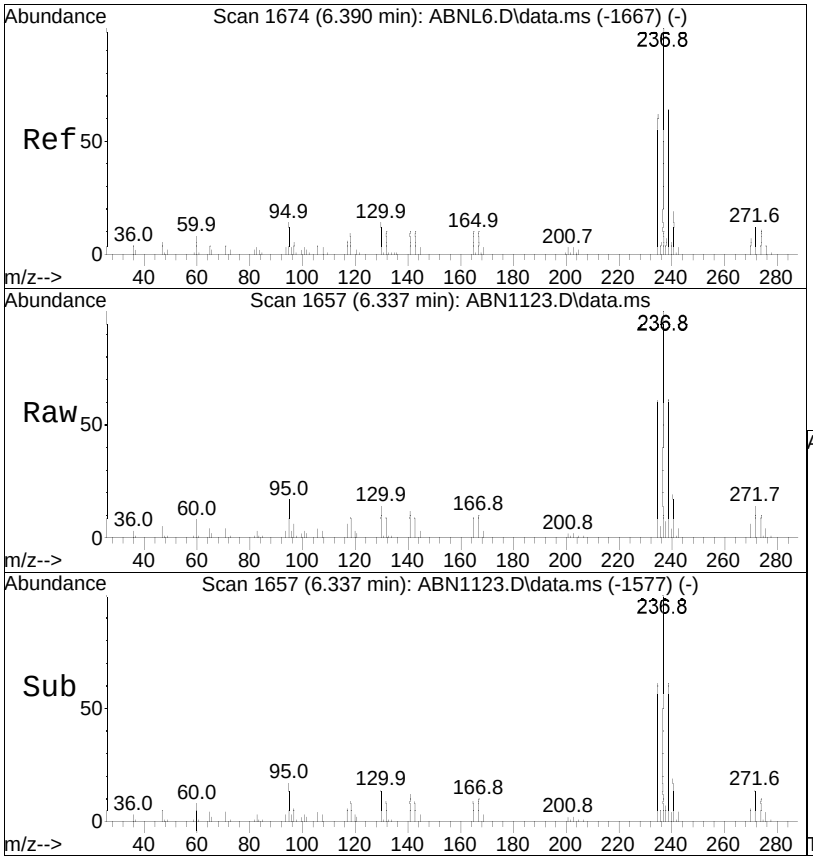


#44
1-Methylnaphthalene
Concen: 4.63 ug/ml
RT: 6.253 min Scan# 1630
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:115 Resp: 29562

Ion	Ratio	Lower	Upper
115	100		
141	284.0	207.8	311.6
142	302.2	226.8	340.2

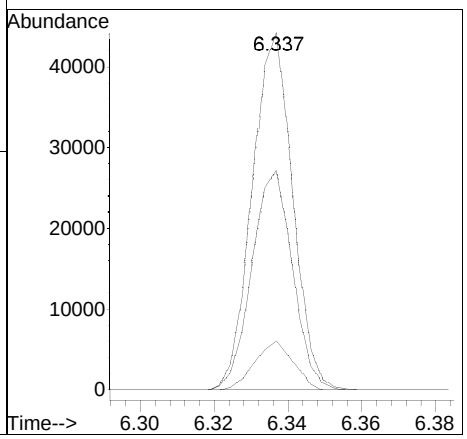


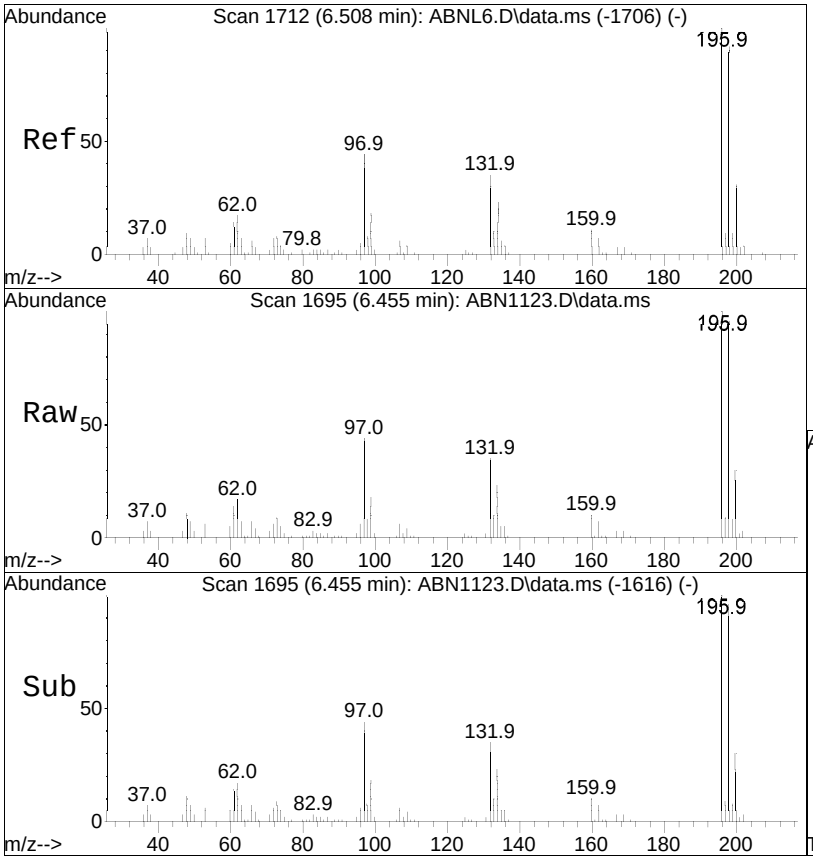


#45
Hexachlorocyclopentadiene
Concen: 4.67 ug/ml
RT: 6.337 min Scan# 1657
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:237 Resp: 33480

Ion	Ratio	Lower	Upper
237	100		
235	61.9	49.7	74.5
272	13.1	9.8	14.6

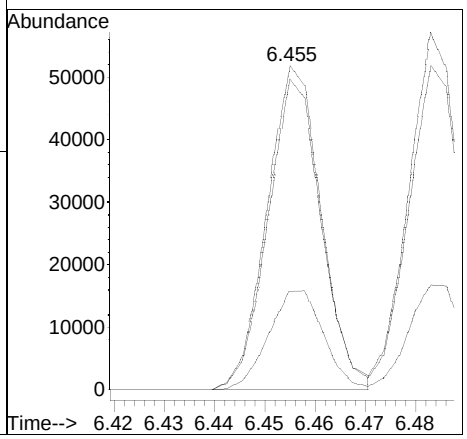


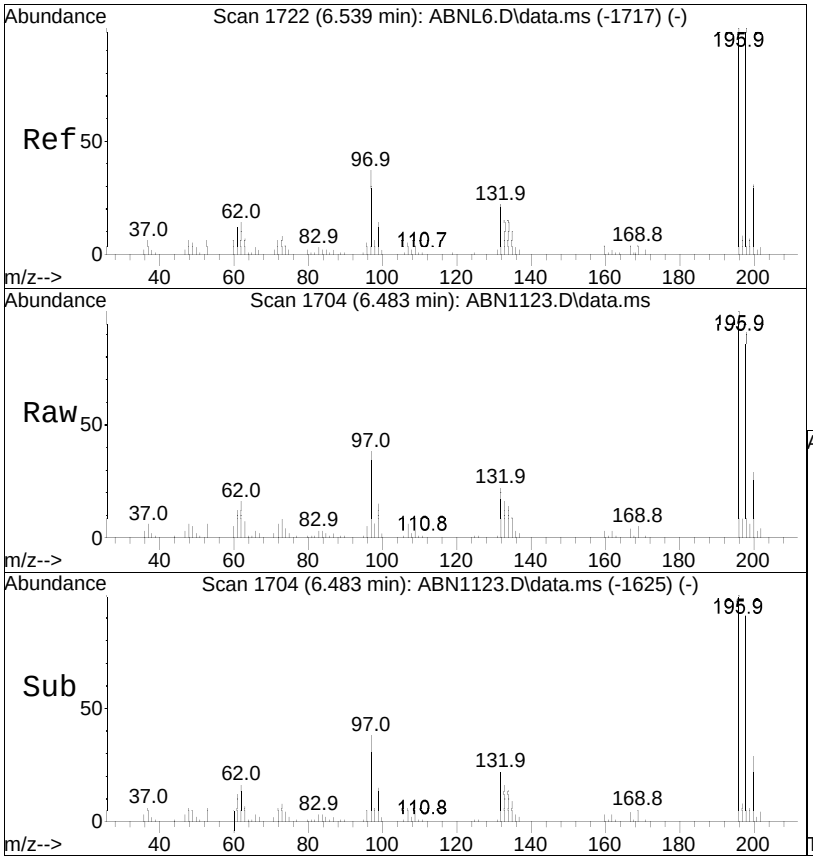


#46
2,4,6-Trichlorophenol
Concen: 5.13 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:196 Resp: 38763

Ion	Ratio	Lower	Upper
196	100		
198	94.2	77.5	116.3
200	31.1	23.8	35.6

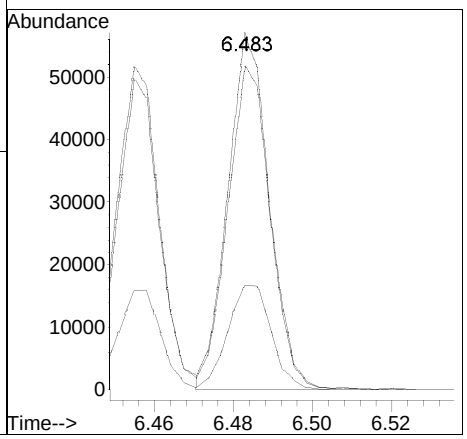


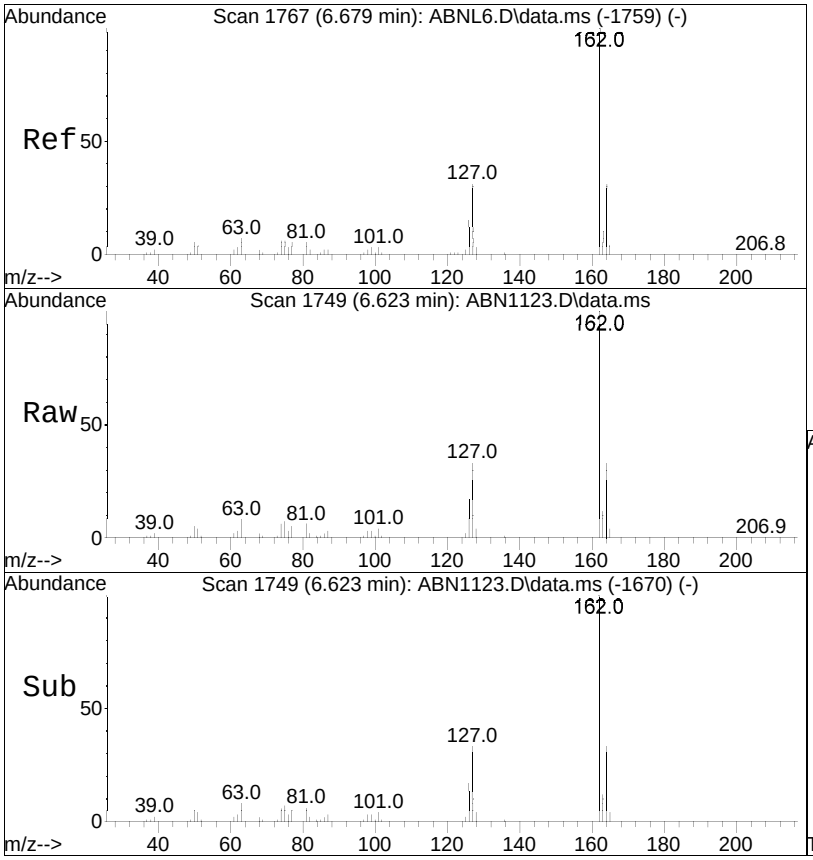


#47
2,4,5-Trichlorophenol
Concen: 4.94 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:196 Resp: 41728

Ion	Ratio	Lower	Upper
196	100		
200	30.7	25.4	38.0
198	92.6	78.0	117.0

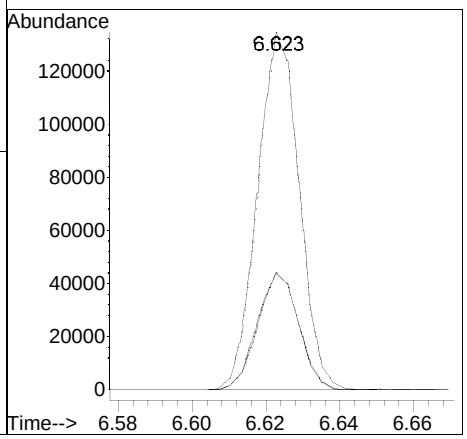


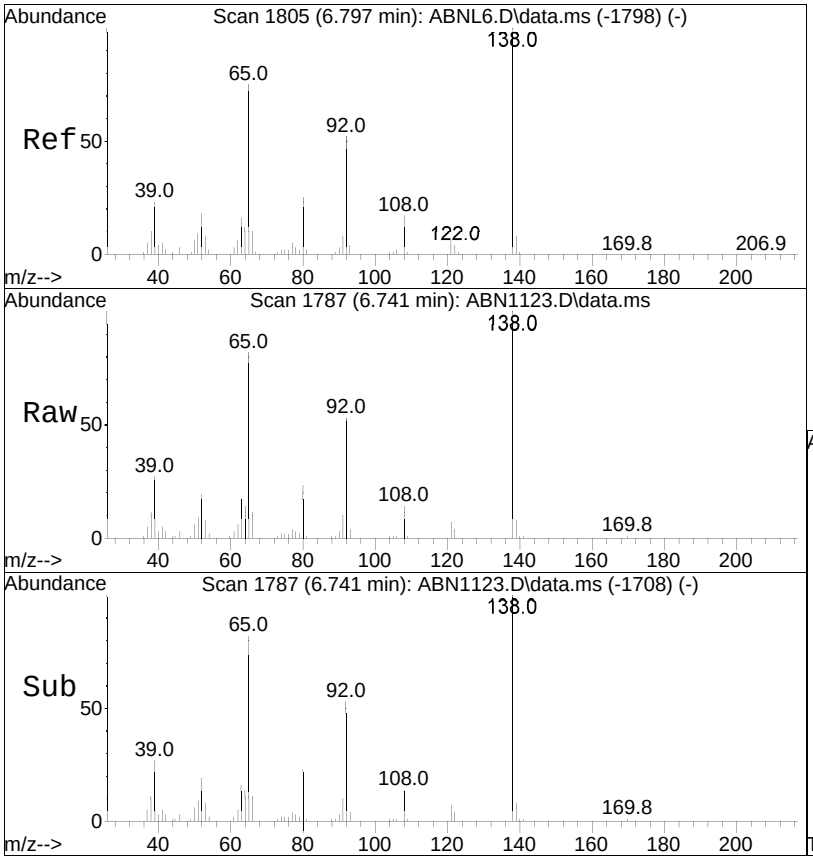


#49
2-Chloronaphthalene
Concen: 4.65 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:162 Resp: 104597

Ion	Ratio	Lower	Upper
162	100		
127	32.7	32.2	48.4
164	32.5	25.7	38.5

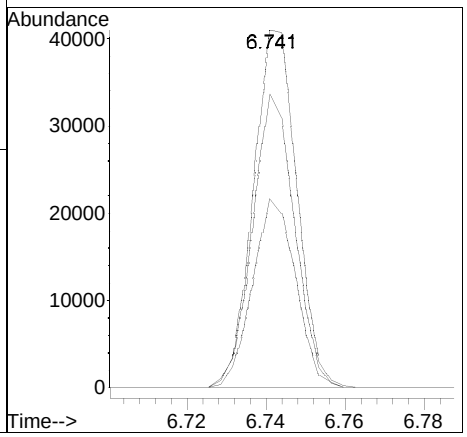


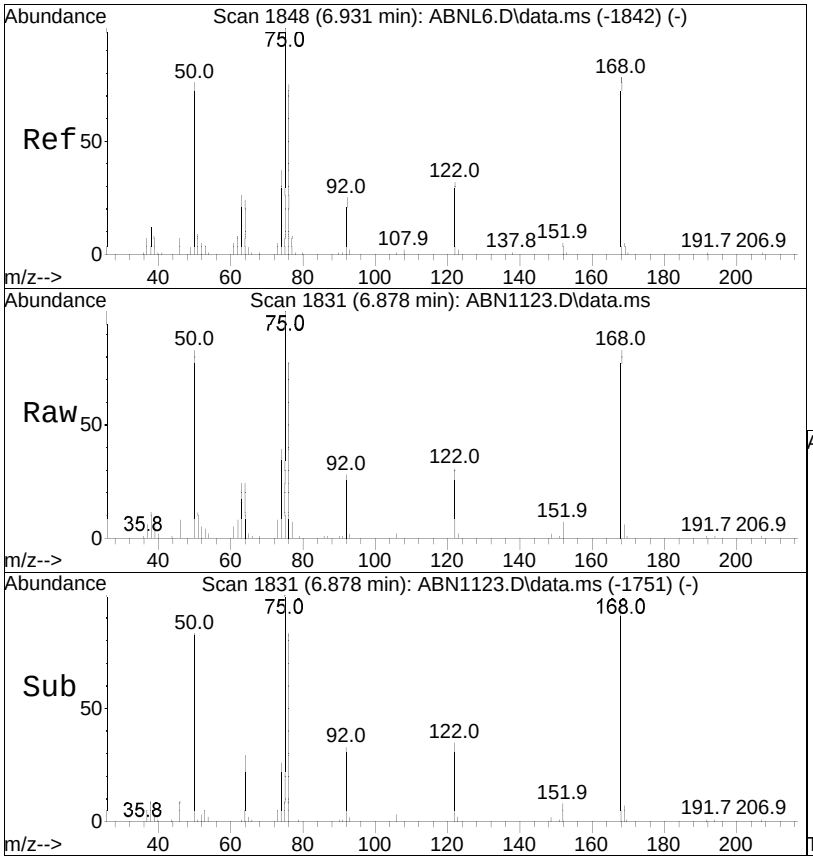


#50
2-Nitroaniline
Concen: 5.41 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:138 Resp: 31136

Ion	Ratio	Lower	Upper
138	100		
92	52.5	53.5	80.3#
65	79.6	86.3	129.5#

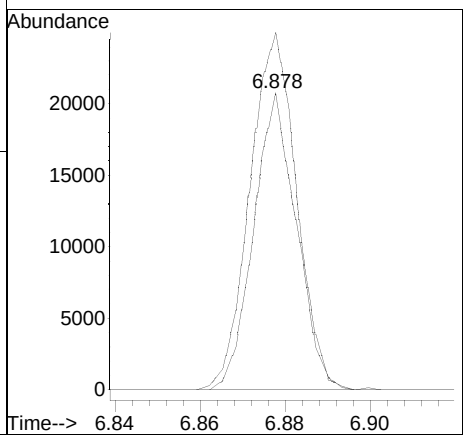


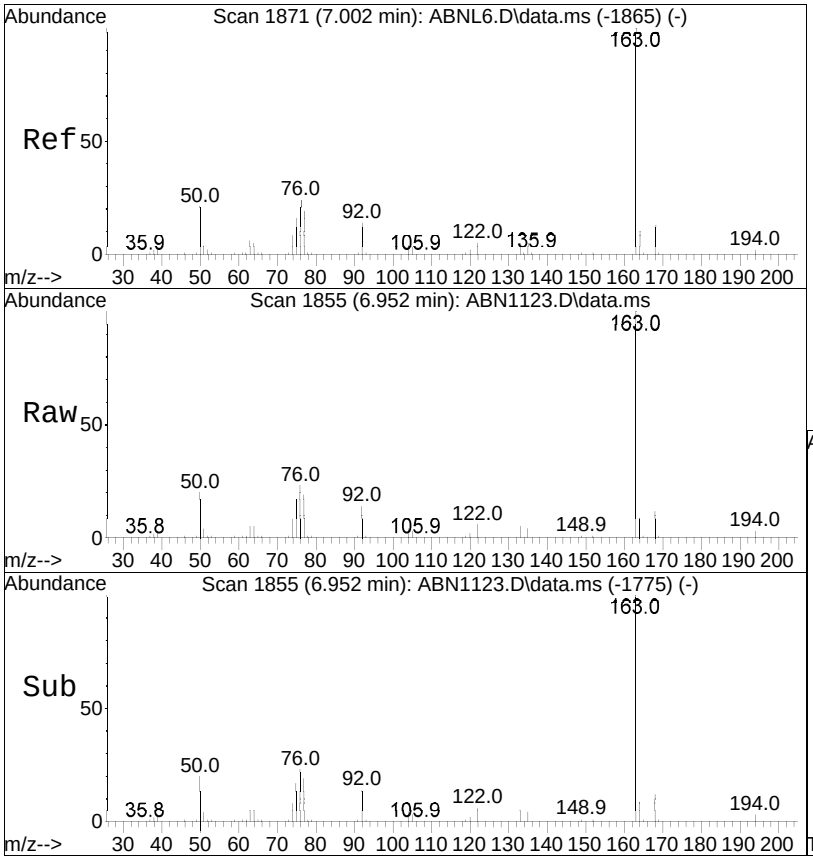


#51
1,4-Dinitrobenzene
Concen: 5.79 ug/ml
RT: 6.878 min Scan# 1831
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:168 Resp: 14462

Ion	Ratio	Lower	Upper
168	100		
75	131.4	121.8	182.8

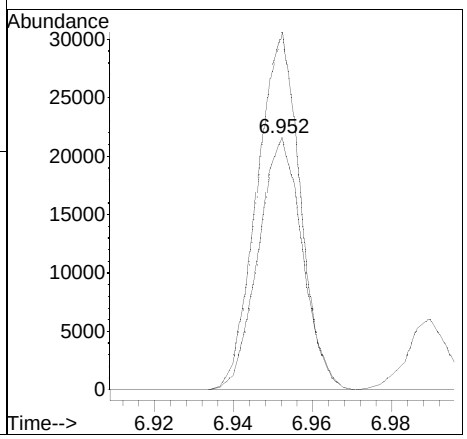


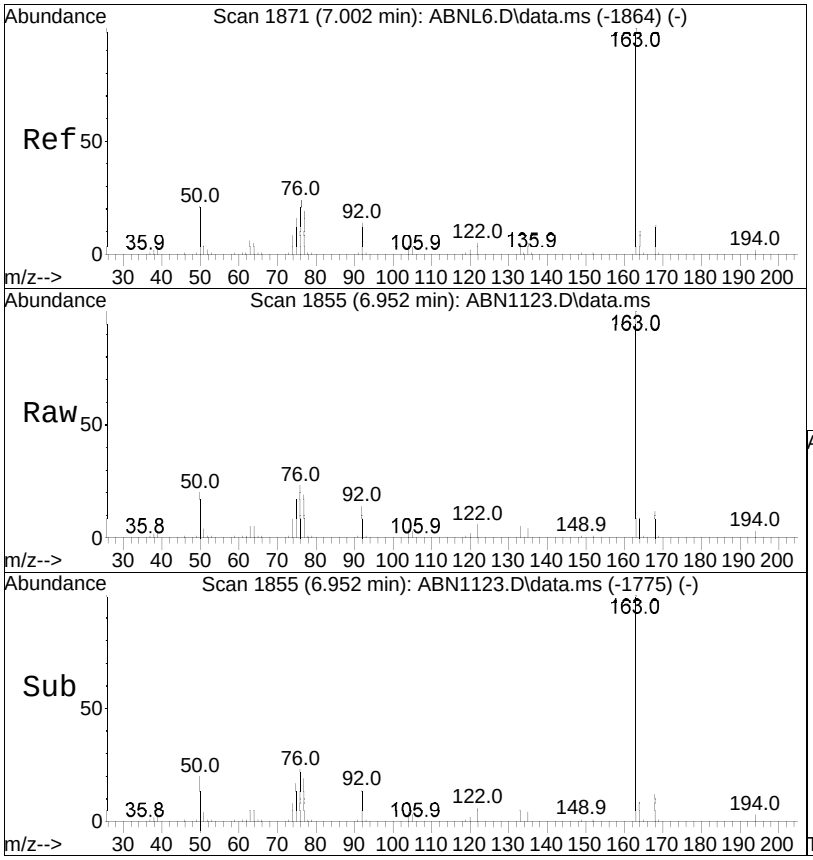


#52
1,3-Dinitrobenzene
Concen: 5.56 ug/ml
RT: 6.952 min Scan# 1855
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:168 Resp: 16642

Ion	Ratio	Lower	Upper
168	100		
75	137.8	22.7	34.1#

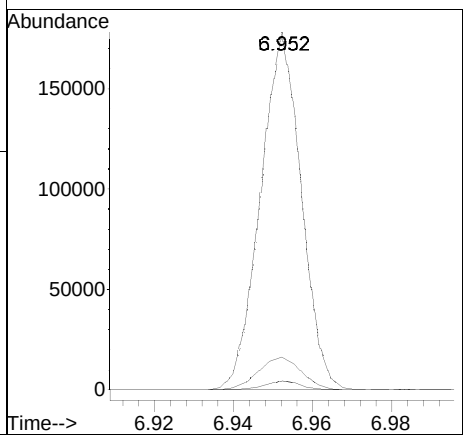


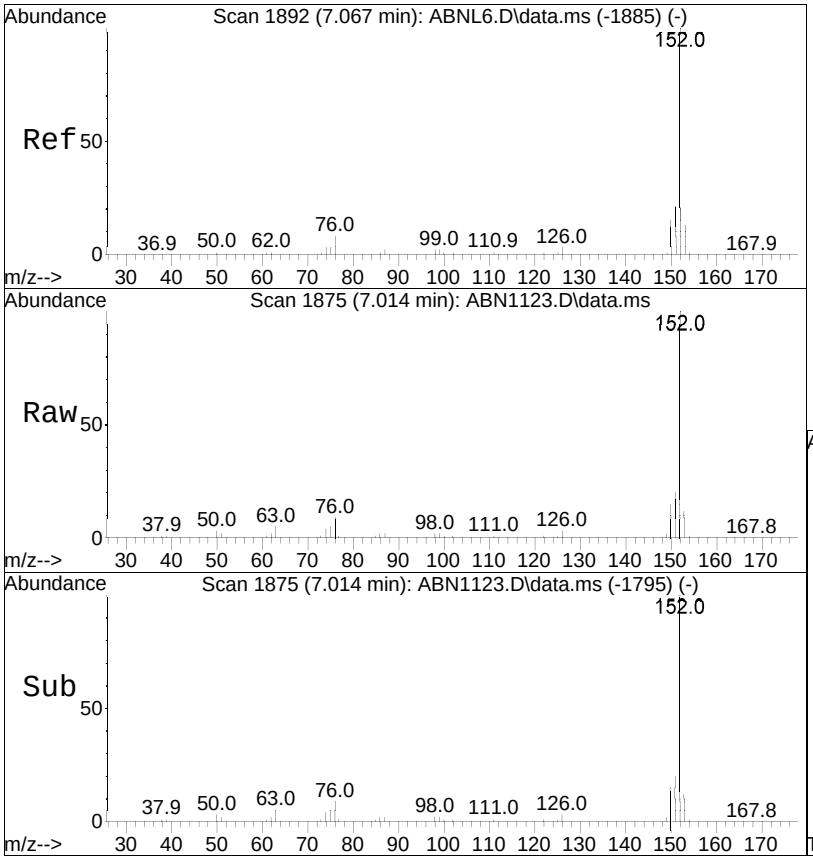


#53
Dimethyl phthalate
Concen: 4.83 ug/ml
RT: 6.952 min Scan# 1855
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:163 Resp: 126141

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	9.8	7.9	11.9

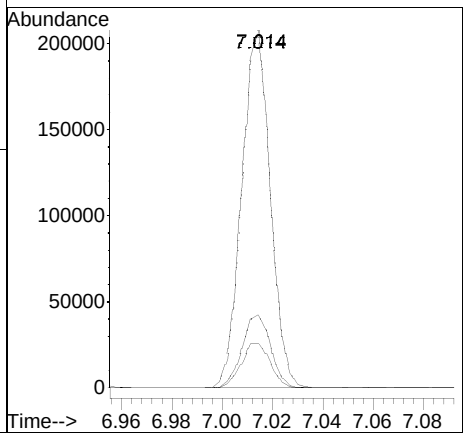


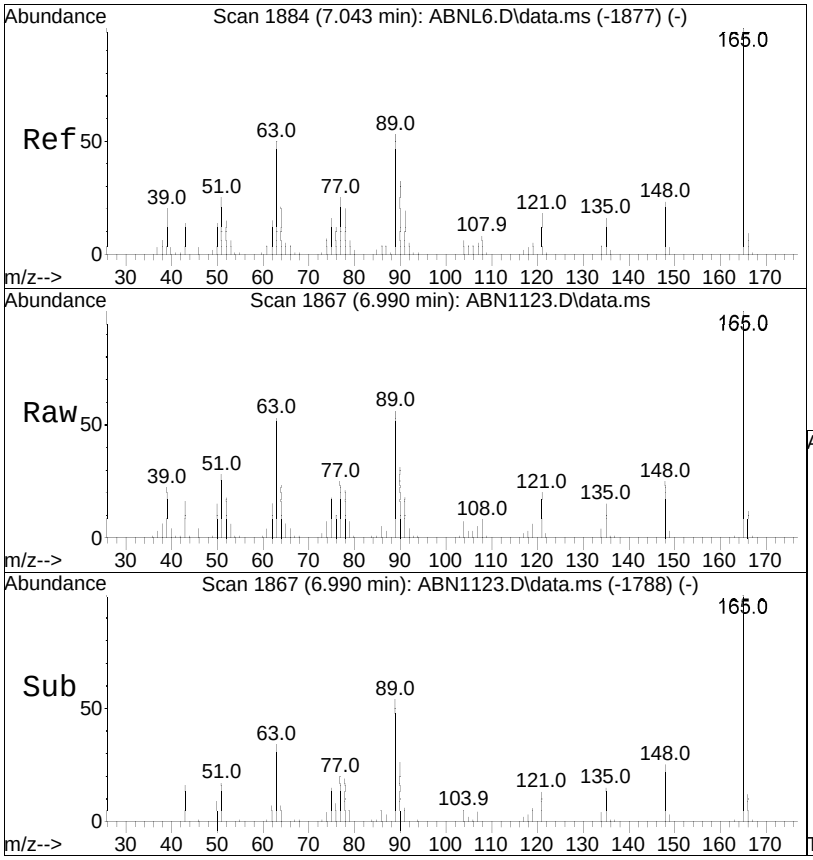


#54
Acenaphthylene
Concen: 4.92 ug/ml
RT: 7.014 min Scan# 1875
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:152 Resp: 162420

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	12.8	10.5	15.7

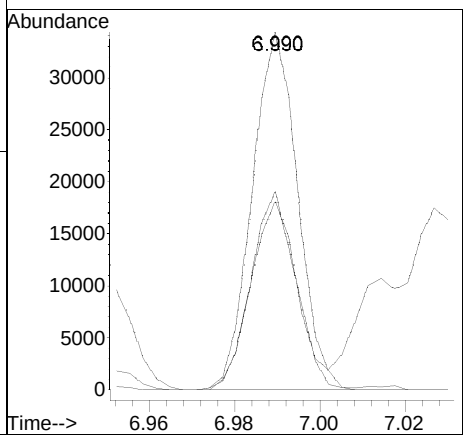


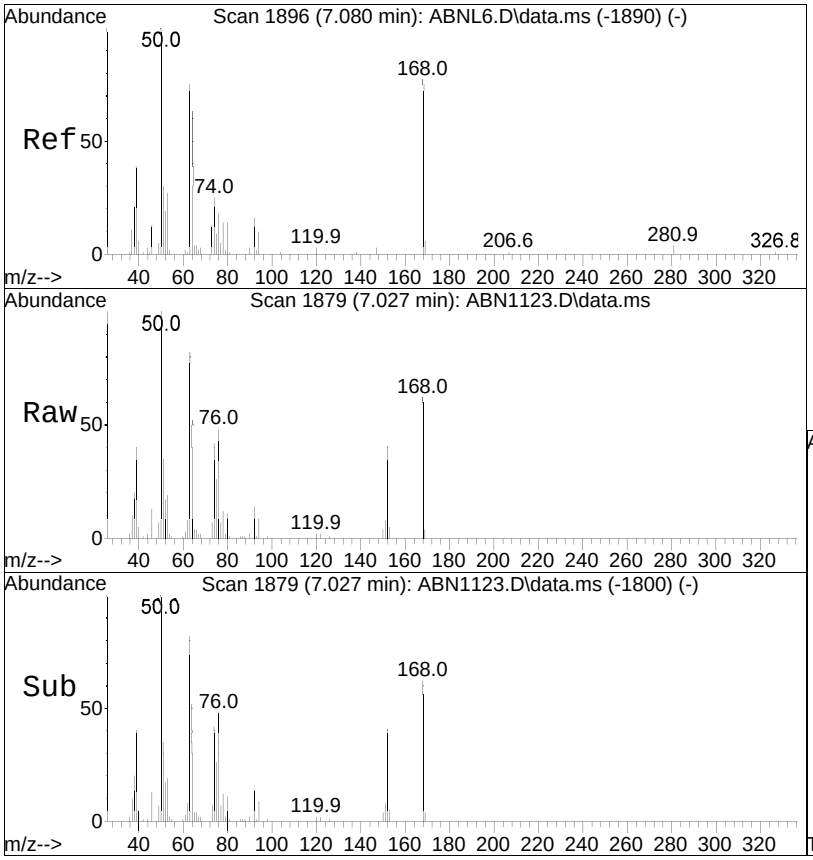


#55
2,6-Dinitrotoluene
Concen: 5.22 ug/ml
RT: 6.990 min Scan# 1867
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:165 Resp: 25431

Ion	Ratio	Lower	Upper
165	100		
89	54.8	54.2	81.2
63	54.5	64.2	96.2#

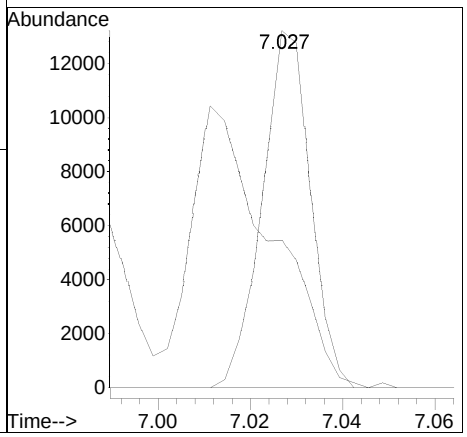


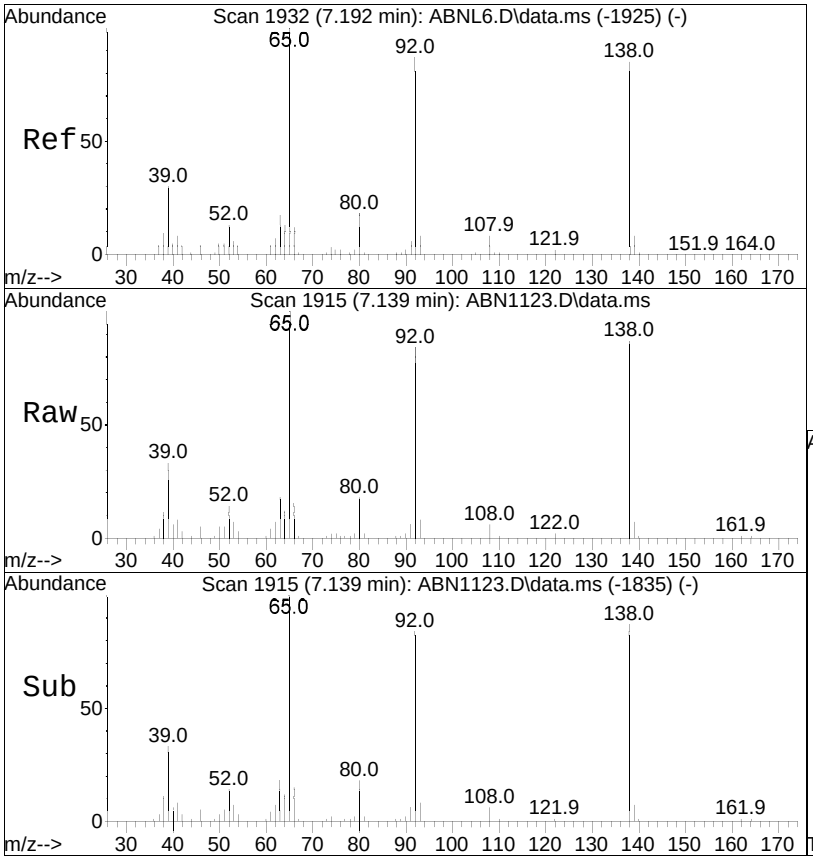


#56
1,2-Dinitrobenzene
Concen: 5.48 ug/ml
RT: 7.027 min Scan# 1879
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:168 Resp: 9572

Ion	Ratio	Lower	Upper
168	100		
75	131.0	30.9	46.3#

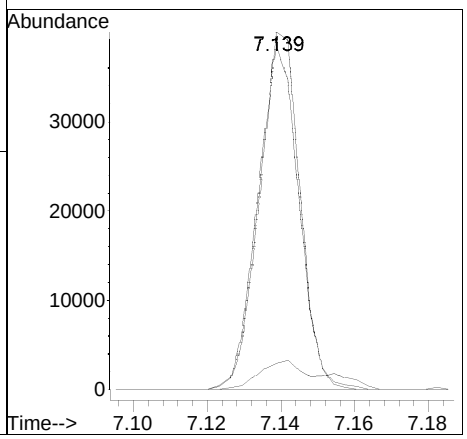


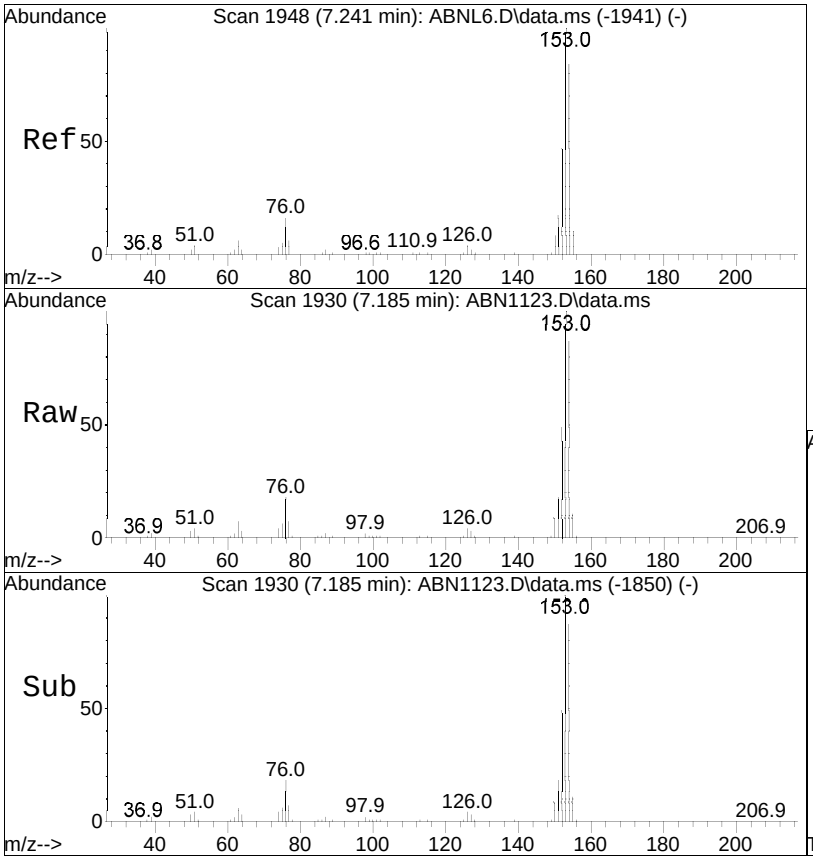


#66
3-Nitroaniline
Concen: 5.39 ug/ml
RT: 7.139 min Scan# 1915
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:138 Resp: 30111

Ion	Ratio	Lower	Upper
138	100		
92	98.2	93.4	140.2
108	12.5	9.5	14.3

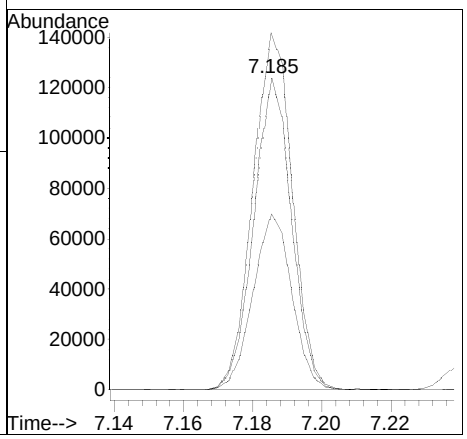


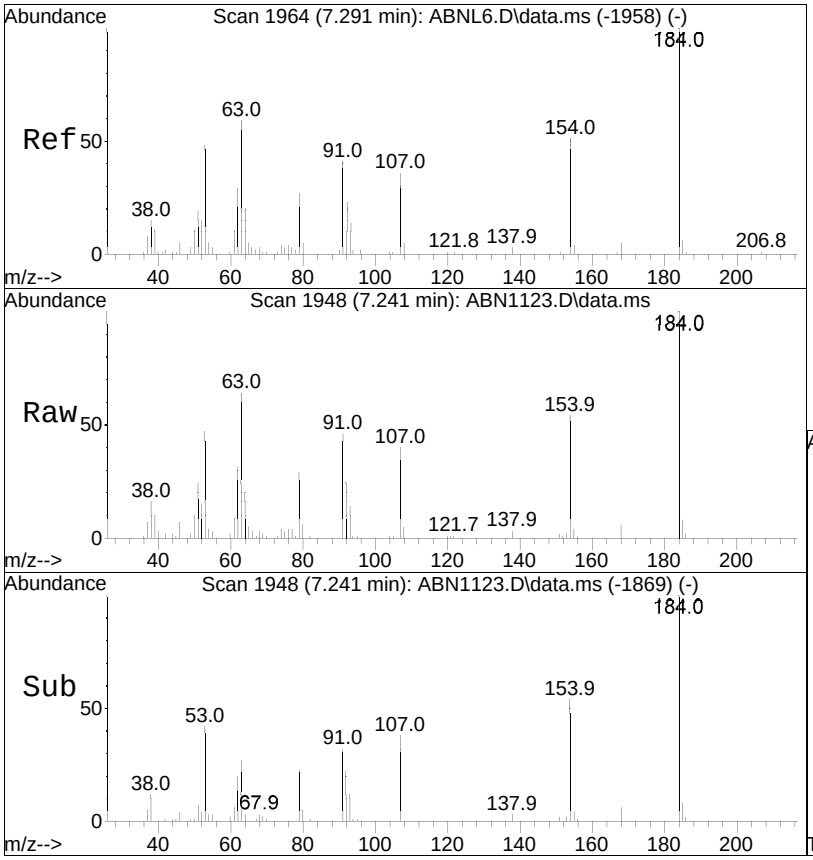


#67
Acenaphthene
Concen: 4.44 ug/ml
RT: 7.185 min Scan# 1930
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:154 Resp: 93370

Ion	Ratio	Lower	Upper
154	100		
153	120.0	85.3	127.9
152	58.0	41.4	62.0

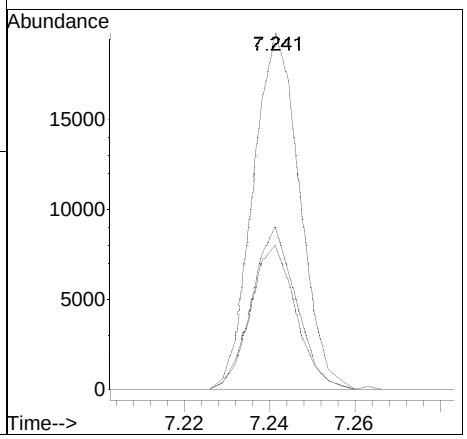


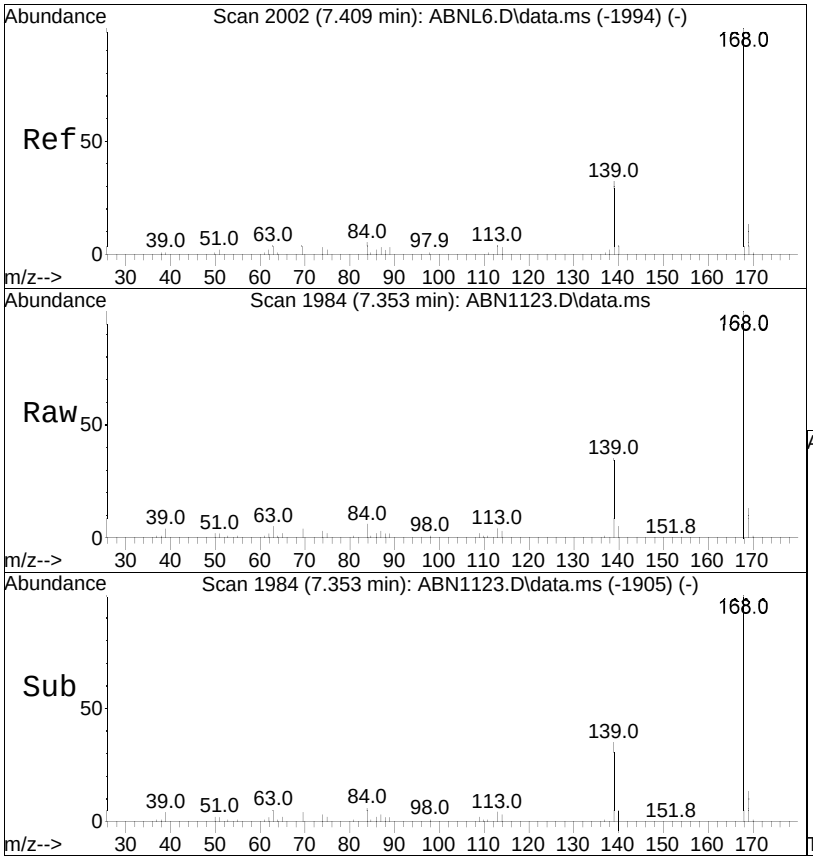


#68
2,4-Dinitrophenol
Concen: 4.40 ug/ml
RT: 7.241 min Scan# 1948
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:184 Resp: 14982

Ion	Ratio	Lower	Upper
184	100		
107	39.7	37.7	56.5
91	43.8	46.3	69.5#

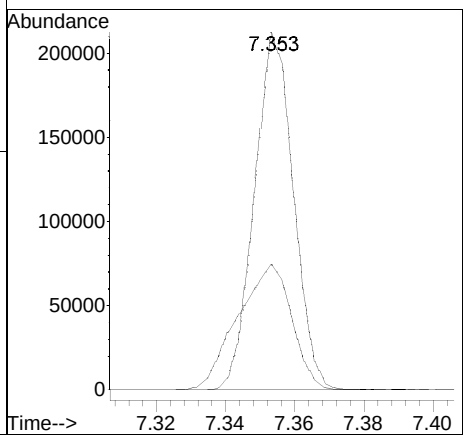


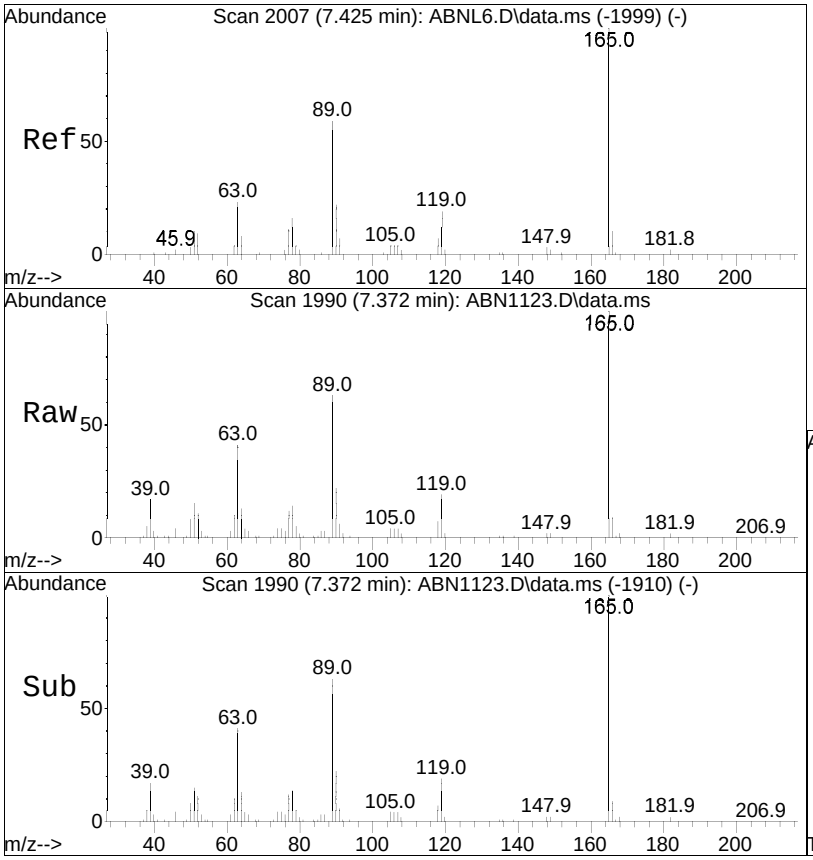


#69
Dibenzofuran
Concen: 4.54 ug/ml
RT: 7.353 min Scan# 1984
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:168 Resp: 164714

Ion	Ratio	Lower	Upper
168	100		
139	48.9	31.4	47.2#

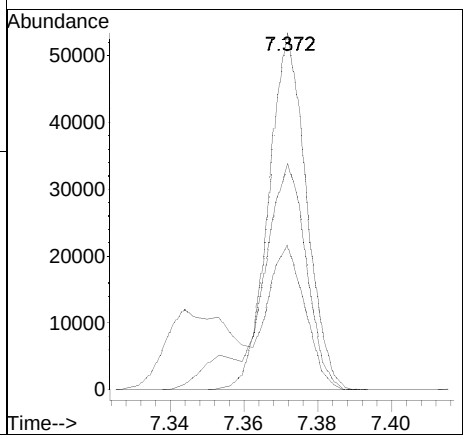


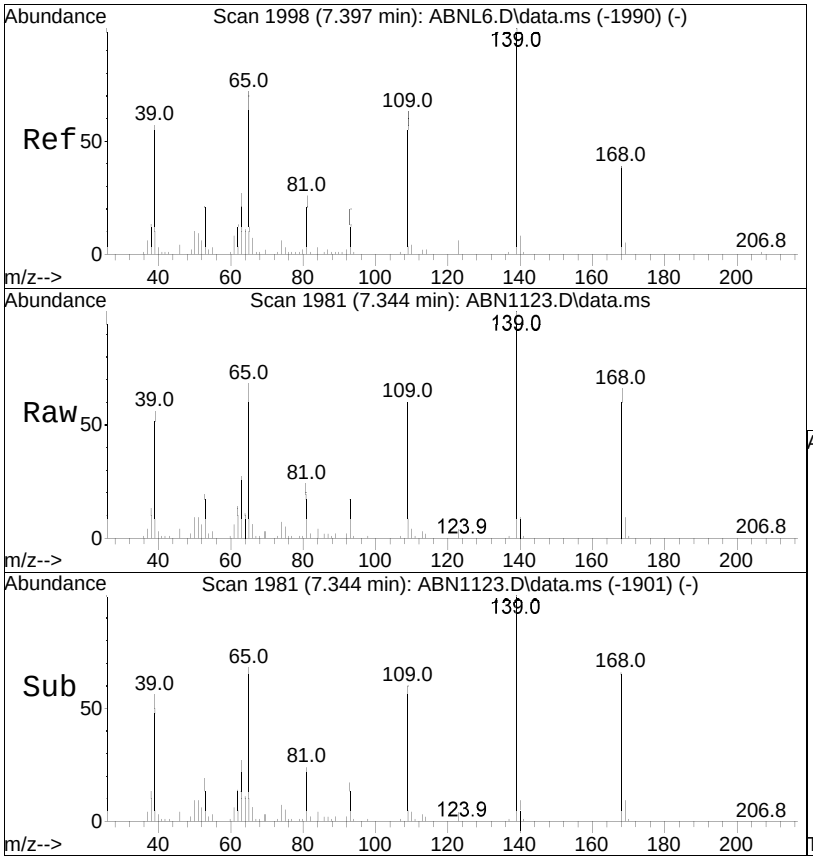


#70
2,4-Dinitrotoluene
Concen: 5.38 ug/ml
RT: 7.372 min Scan# 1990
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:165 Resp: 37708

Ion	Ratio	Lower	Upper
165	100		
89	77.2	72.0	108.0
63	39.4	52.7	79.1#

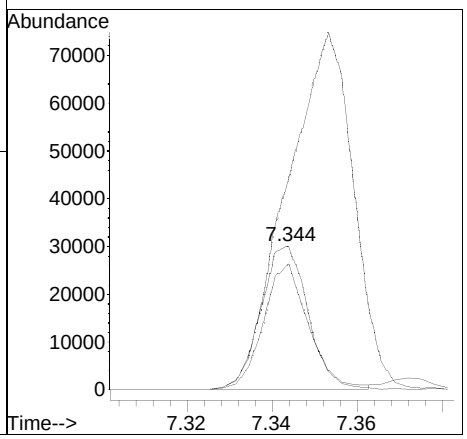


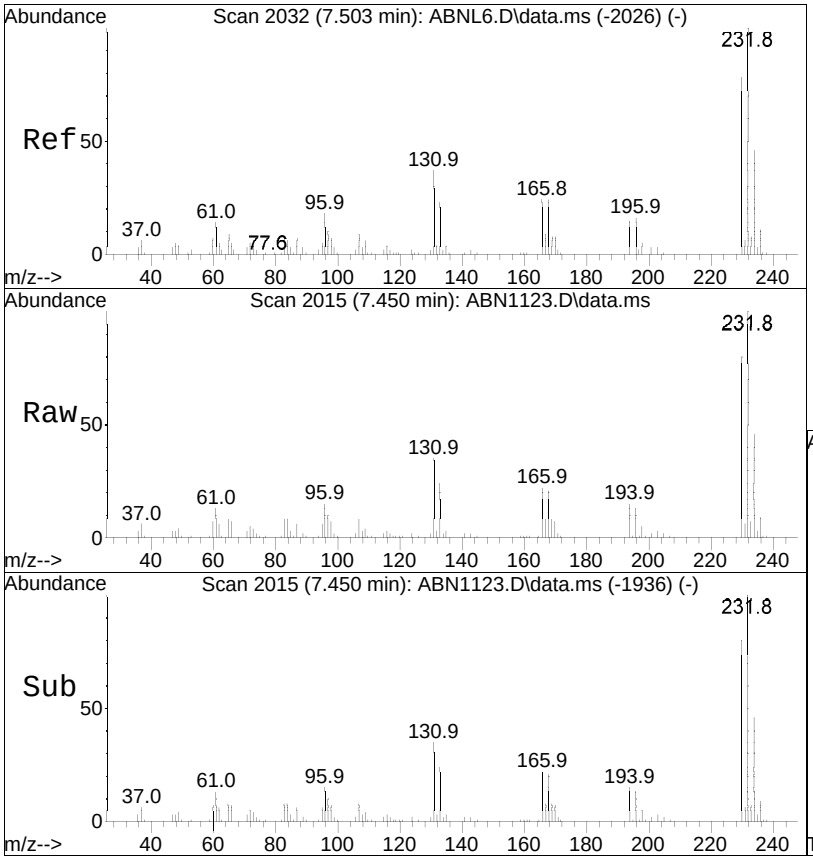


#71
4-Nitrophenol
Concen: 5.61 ug/ml
RT: 7.344 min Scan# 1981
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 65 Resp: 23371

Ion	Ratio	Lower	Upper
65	100		
109	81.7	47.4	71.2#
139	344.3	76.6	115.0#

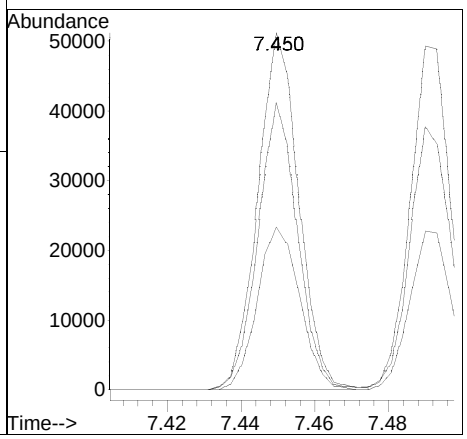


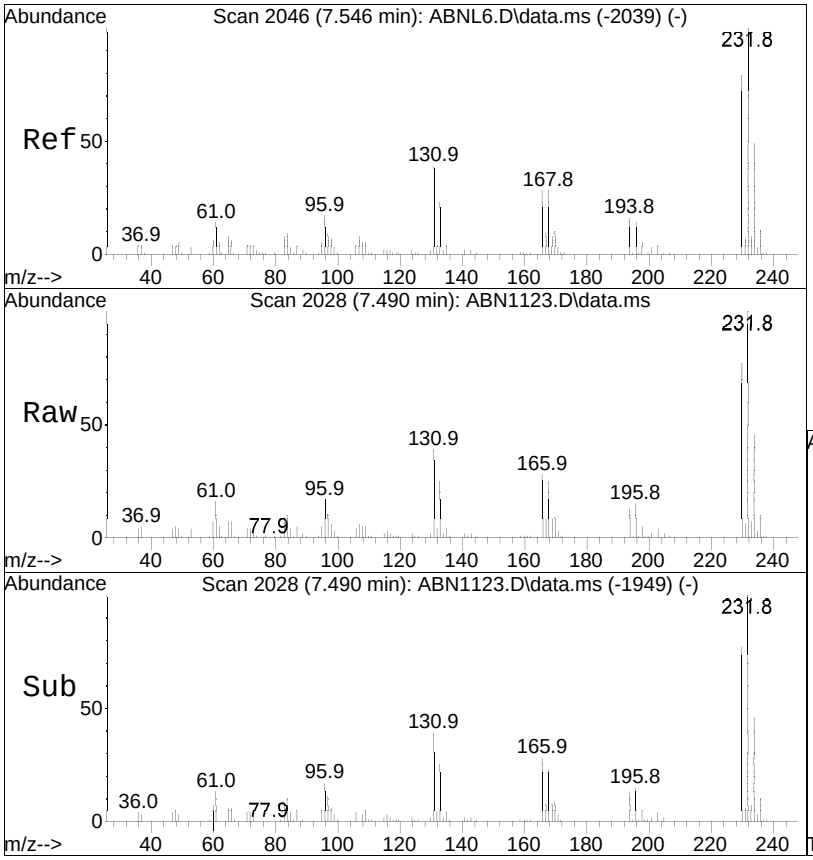


#72
2,3,5,6-Tetrachlorophenol
Concen: 5.03 ug/ml
RT: 7.450 min Scan# 2015
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:232 Resp: 39678

Ion	Ratio	Lower	Upper
232	100		
230	77.8	64.2	96.4
234	47.2	38.1	57.1

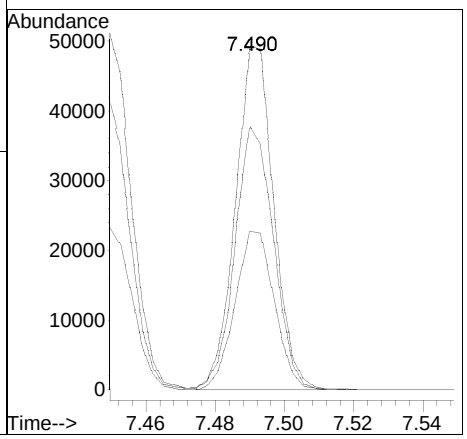


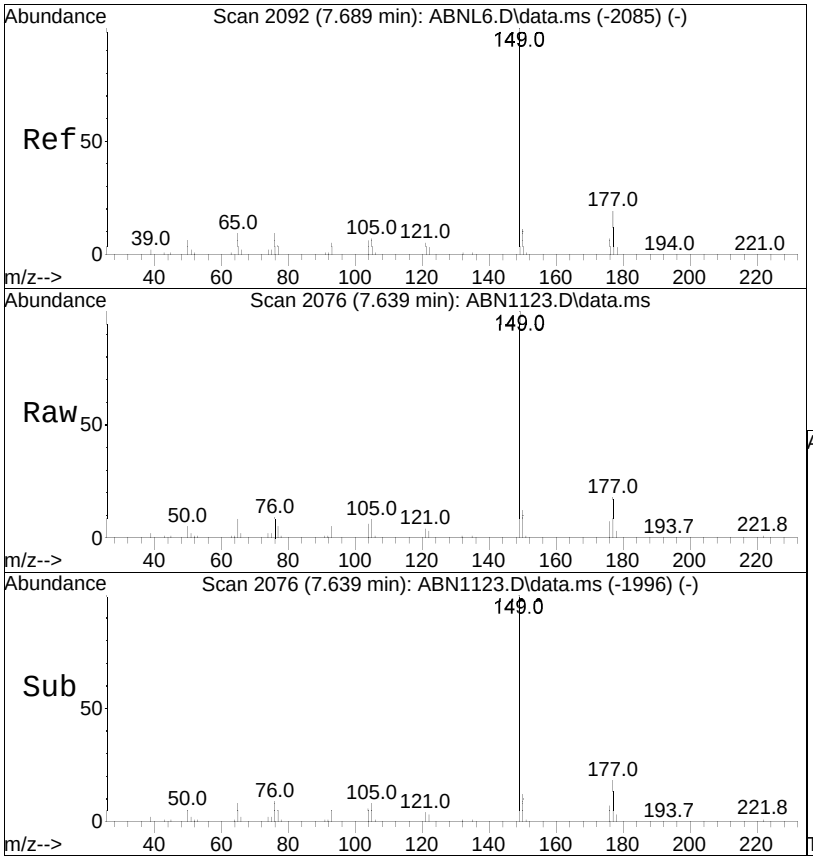


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.91 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:232 Resp: 37990

Ion	Ratio	Lower	Upper
232	100		
230	77.6	61.8	92.8
234	47.4	36.2	54.2

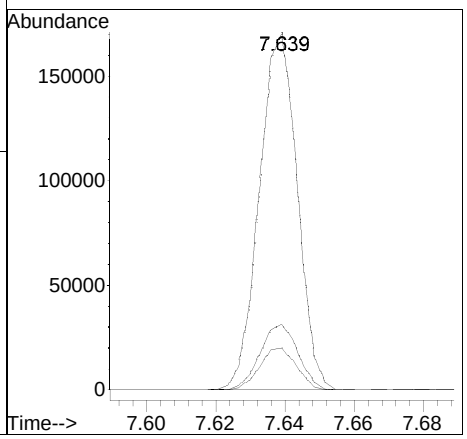


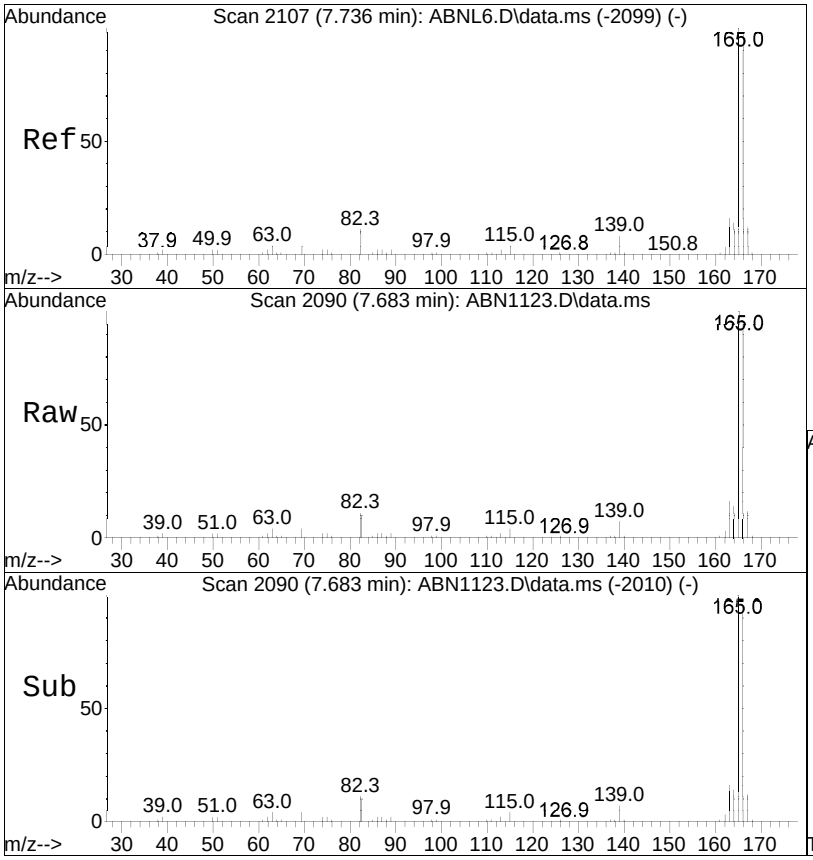


#74
Diethyl phthalate
Concen: 4.50 ug/ml
RT: 7.639 min Scan# 2076
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:149 Resp: 128069

Ion	Ratio	Lower	Upper
149	100		
177	18.6	16.1	24.1
150	11.6	9.4	14.2

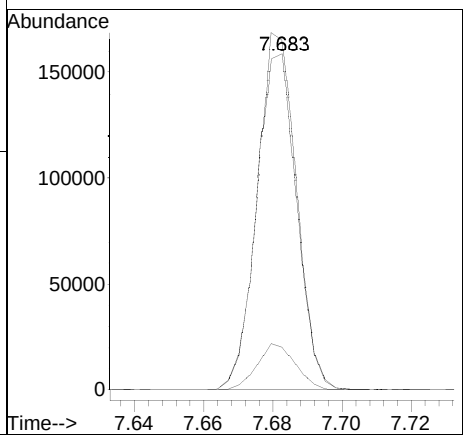


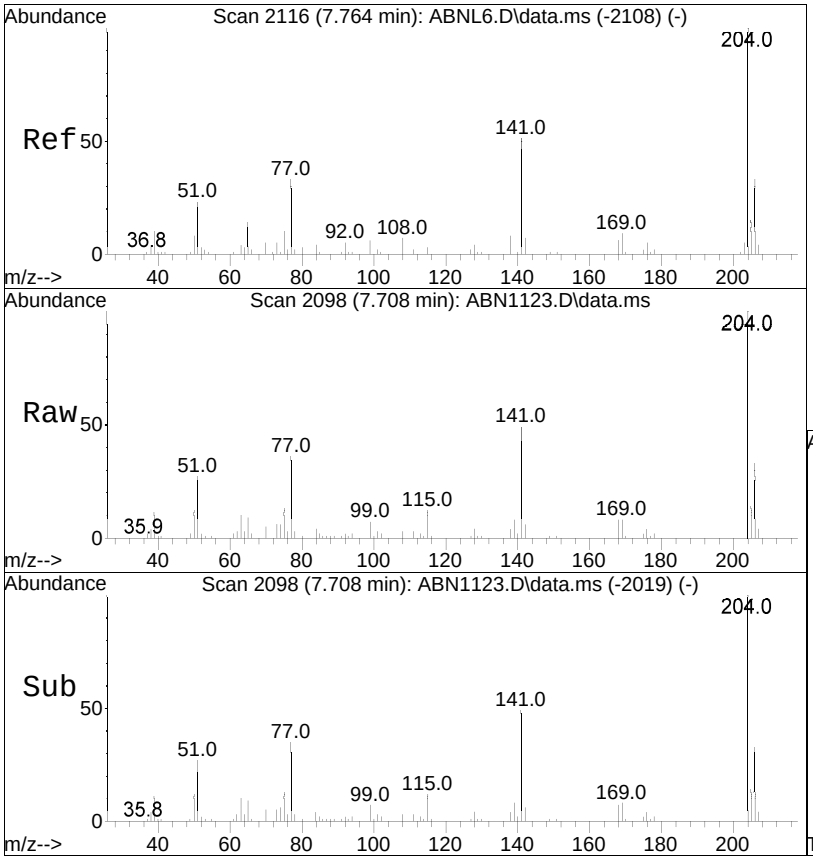


#75
Fluorene
Concen: 4.59 ug/ml
RT: 7.683 min Scan# 2090
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:166 Resp: 127636

Ion	Ratio	Lower	Upper
166	100		
165	104.7	76.2	114.2
167	13.2	10.6	15.8

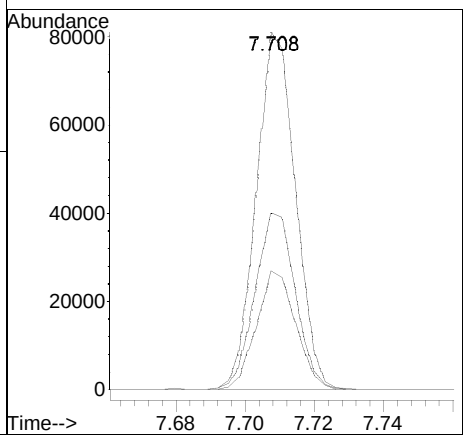


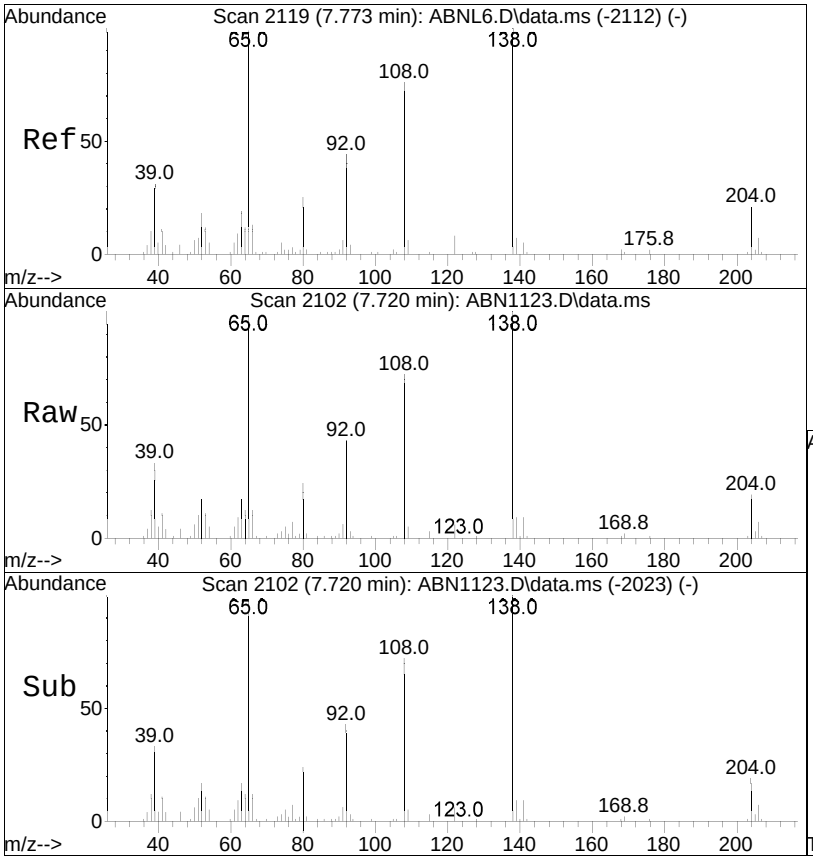


#76
4-Chlorophenyl phenyl ether
Concen: 4.41 ug/ml
RT: 7.708 min Scan# 2098
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:204 Resp: 63222

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.6
141	50.9	53.6	80.4#

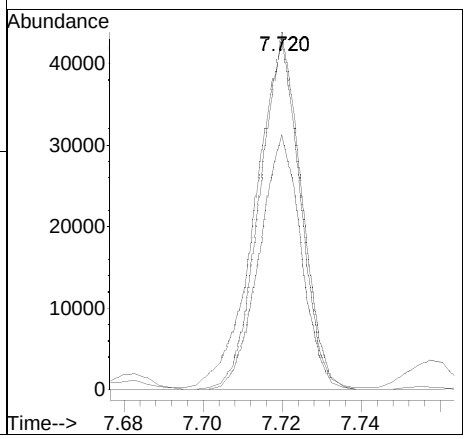


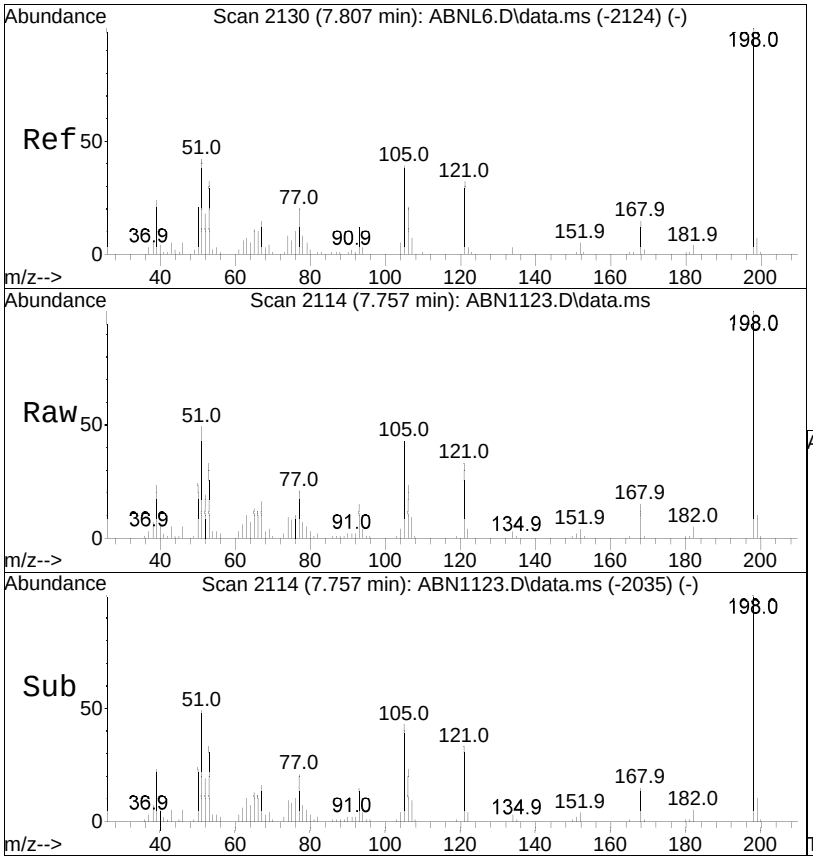


#77
4-Nitroaniline
Concen: 5.91 ug/ml
RT: 7.720 min Scan# 2102
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:138 Resp: 31908

Ion	Ratio	Lower	Upper
138	100		
108	71.3	52.1	78.1
65	106.9	115.0	172.6#

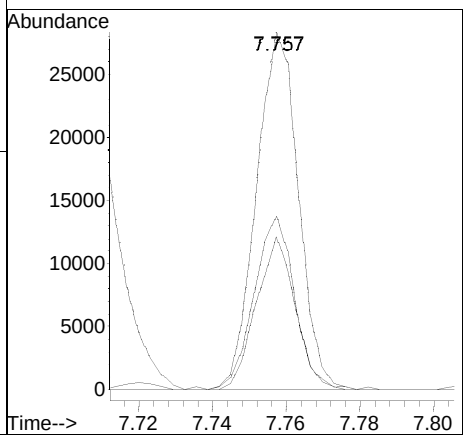


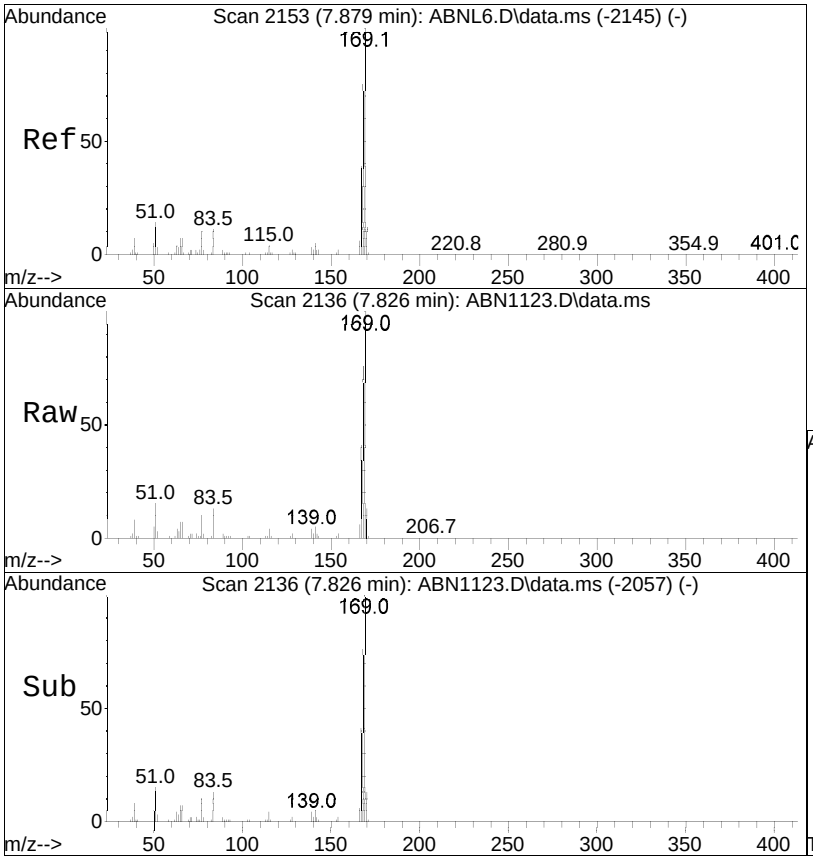


#78
4,6-Dinitro-o-cresol
Concen: 5.28 ug/ml
RT: 7.757 min Scan# 2114
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:198 Resp: 22354

Ion	Ratio	Lower	Upper
198	100		
51	46.9	76.0	114.0#
105	39.6	45.6	68.4#

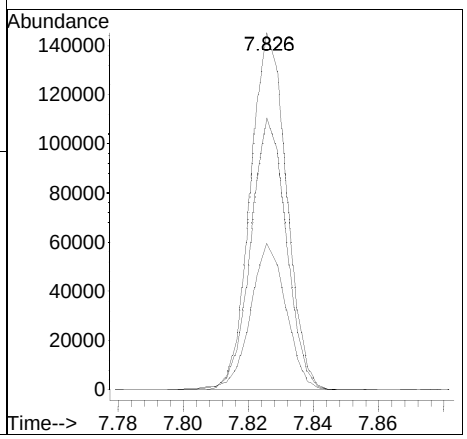


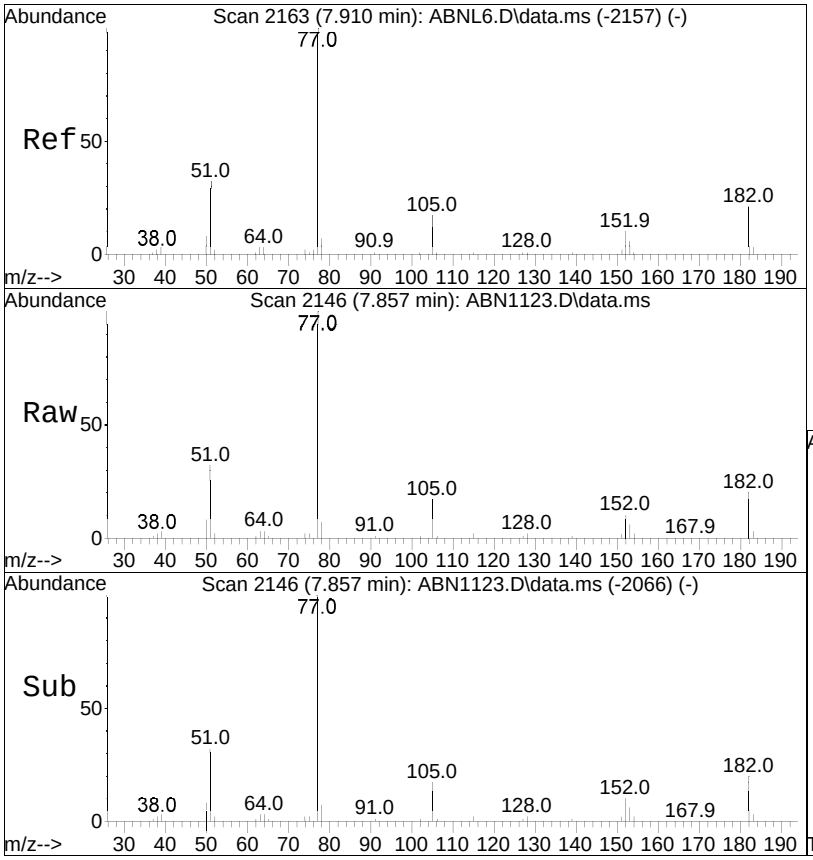


#79
NDPA/DPA
Concen: 4.63 ug/ml
RT: 7.826 min Scan# 2136
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:169 Resp: 111975

Ion	Ratio	Lower	Upper
169	100		
168	75.1	54.0	81.0
167	40.6	28.6	42.8

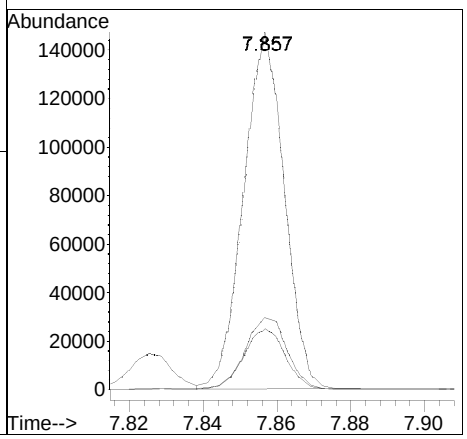


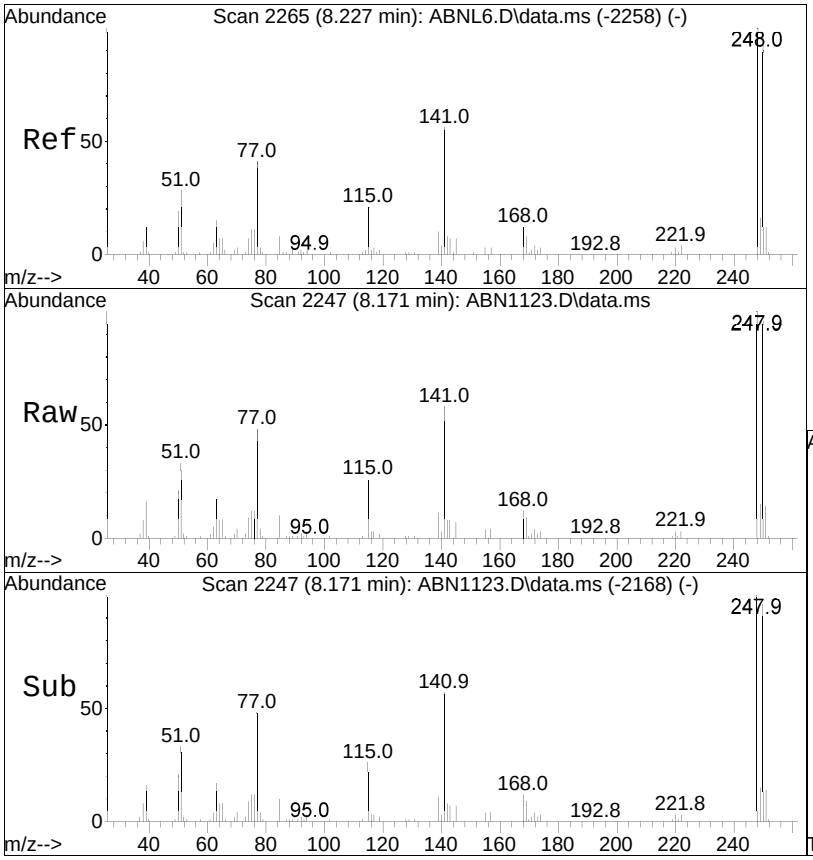


#80
Azobenzene
Concen: 4.84 ug/ml
RT: 7.857 min Scan# 2146
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion: 77 Resp: 112037

Ion	Ratio	Lower	Upper
77	100		
182	21.0	17.4	26.2
105	17.7	15.4	23.2

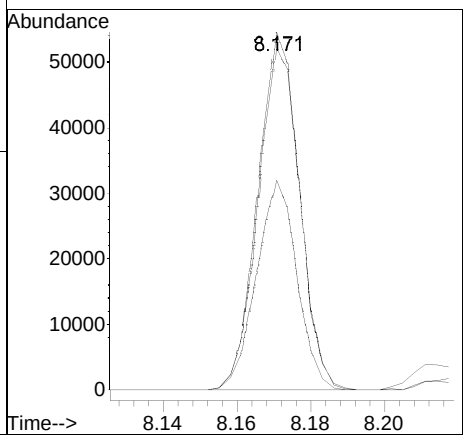


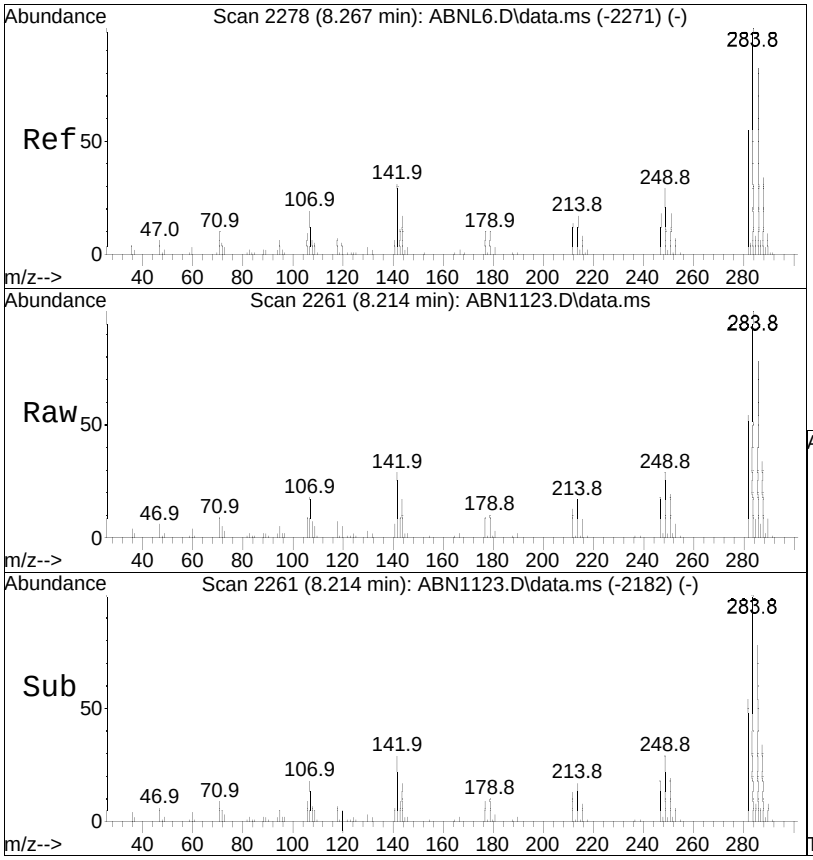


#82
4-Bromophenyl phenyl ether
Concen: 4.46 ug/ml
RT: 8.171 min Scan# 2247
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:248 Resp: 42090

Ion	Ratio	Lower	Upper
248	100		
141	57.3	76.6	114.8#
250	96.8	77.3	115.9

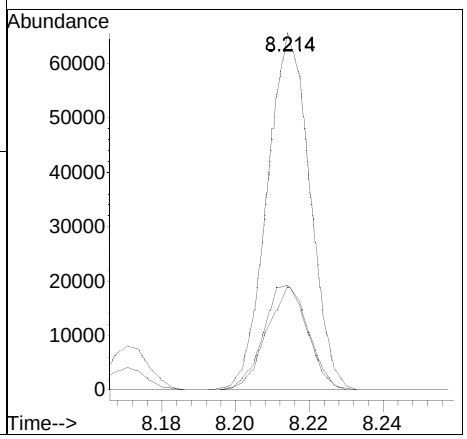


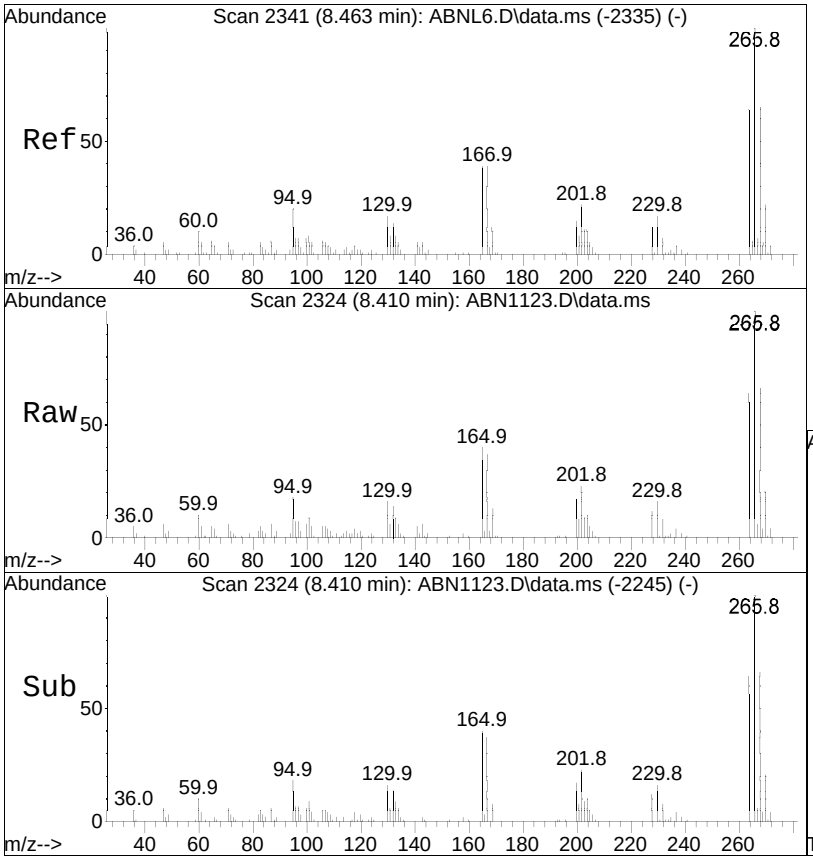


#83
Hexachlorobenzene
Concen: 4.44 ug/ml
RT: 8.214 min Scan# 2261
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:284 Resp: 52677

Ion	Ratio	Lower	Upper
284	100		
142	30.2	41.9	62.9#
249	28.6	24.1	36.1

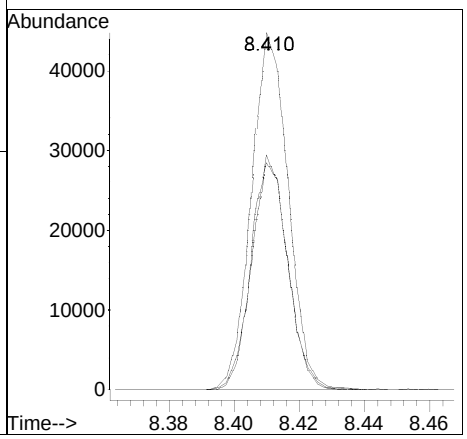


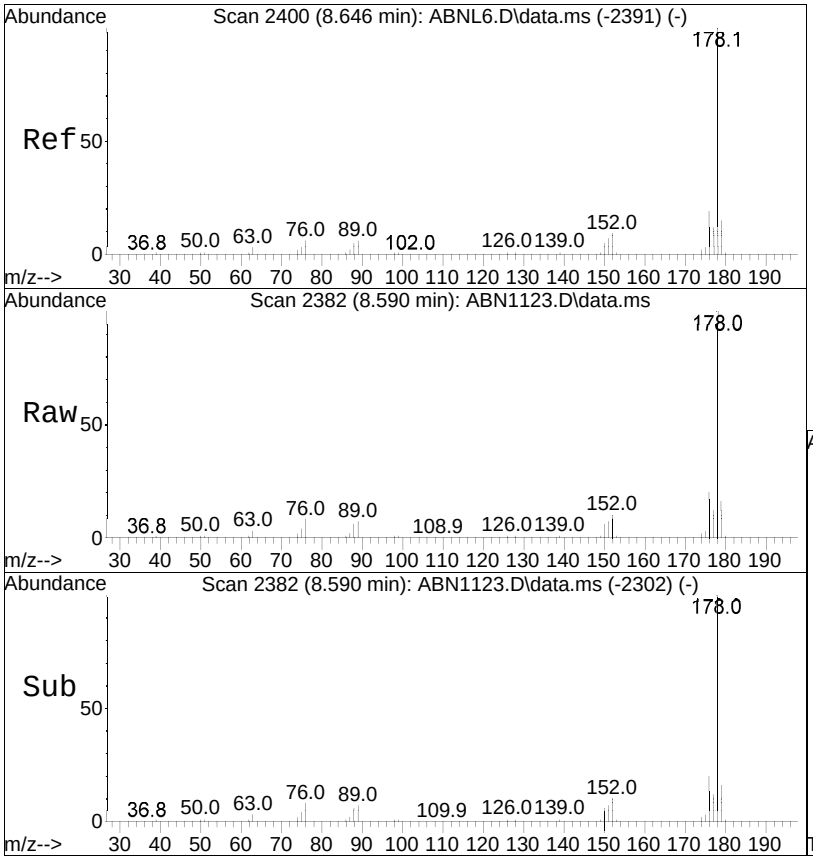


#84
Pentachlorophenol
Concen: 5.45 ug/ml
RT: 8.410 min Scan# 2324
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:266 Resp: 35115

Ion	Ratio	Lower	Upper
266	100		
264	64.9	49.7	74.5
268	63.4	50.5	75.7

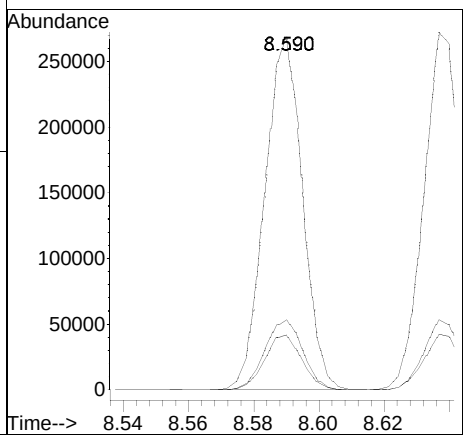


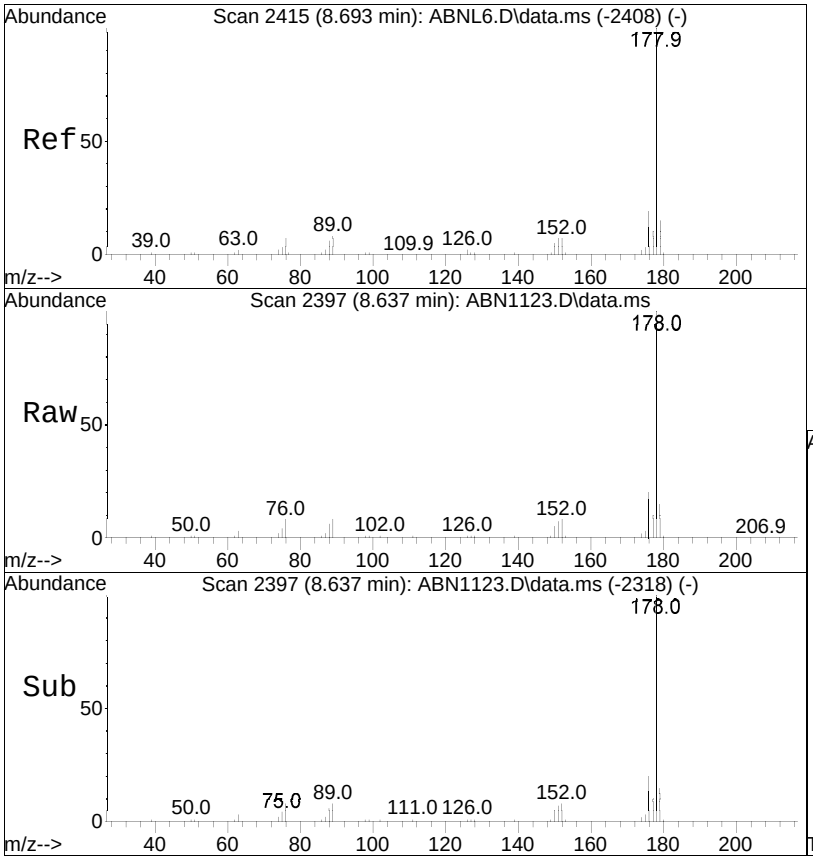


#91
Phenanthrene
Concen: 4.56 ug/ml
RT: 8.590 min Scan# 2382
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:178 Resp: 216127

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	19.9	15.4	23.2

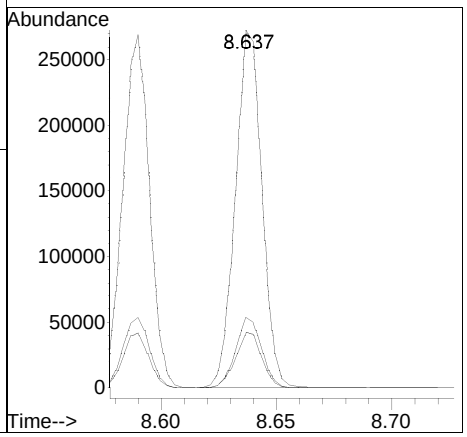


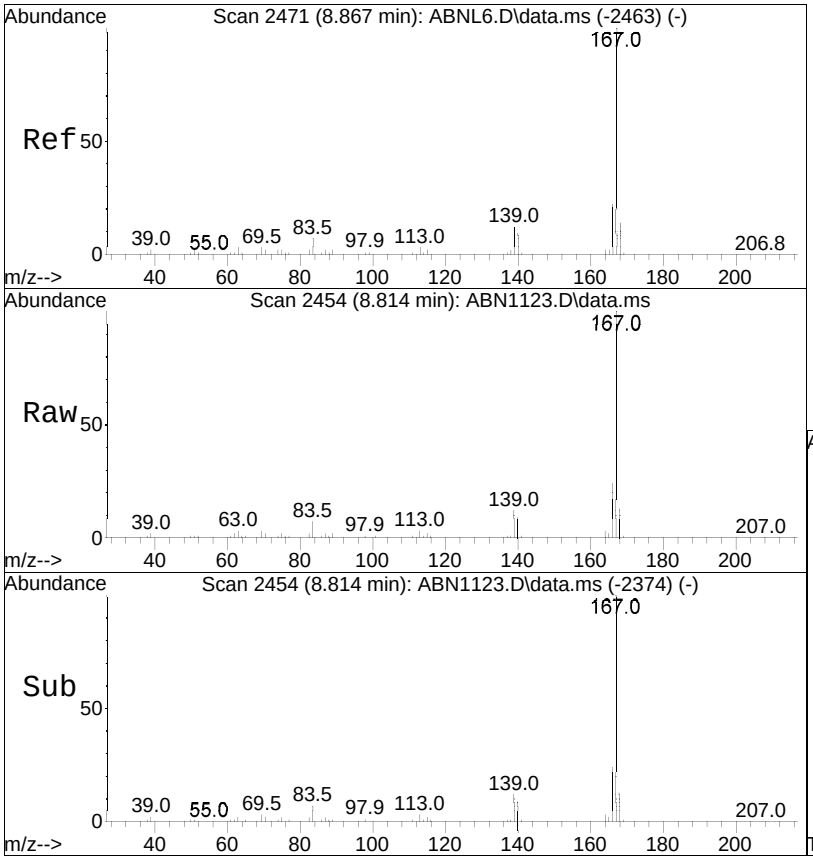


#92
Anthracene
Concen: 4.70 ug/ml
RT: 8.637 min Scan# 2397
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:178 Resp: 218592

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	19.3	14.6	22.0

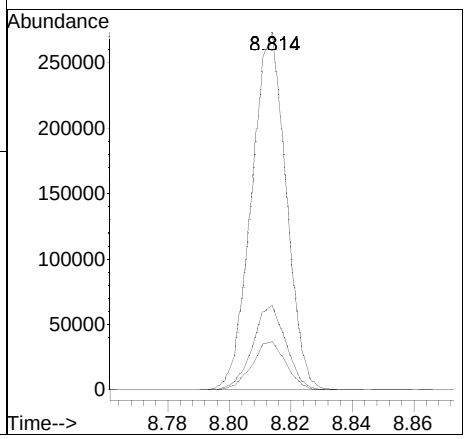


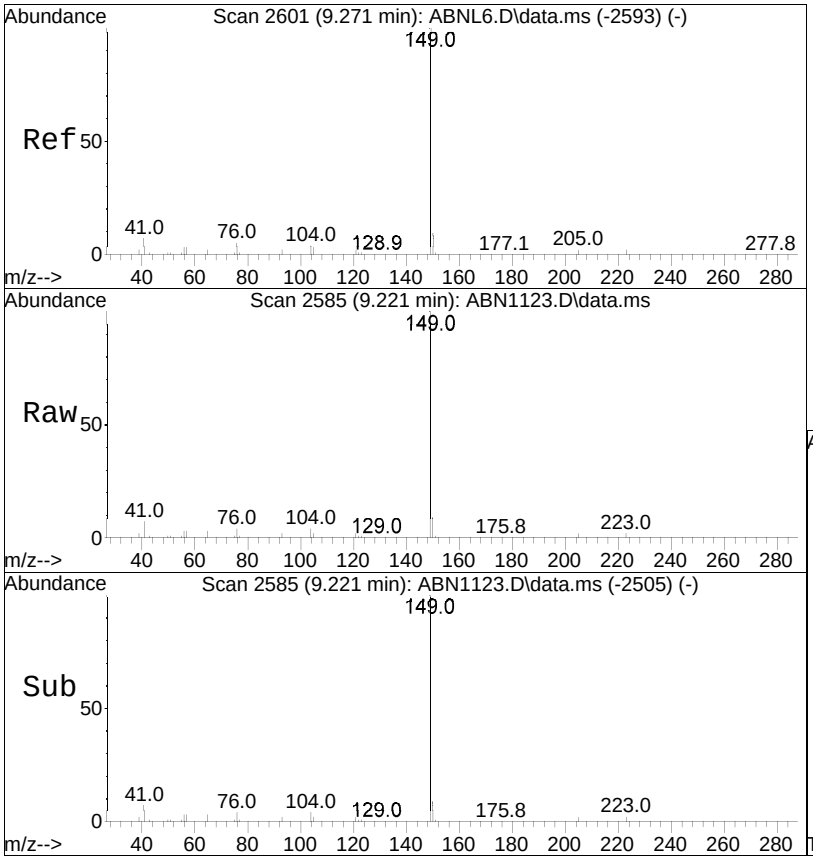


#93
Carbazole
Concen: 4.96 ug/ml
RT: 8.814 min Scan# 2454
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:167 Resp: 211694

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.9	17.4	26.0

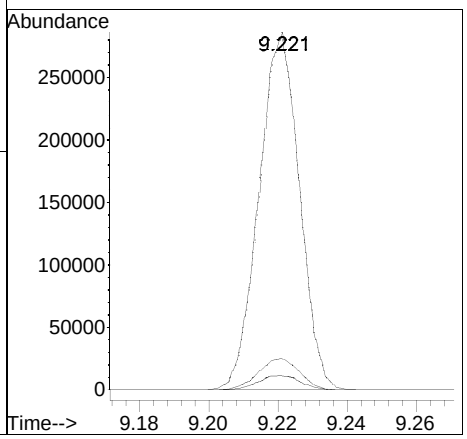


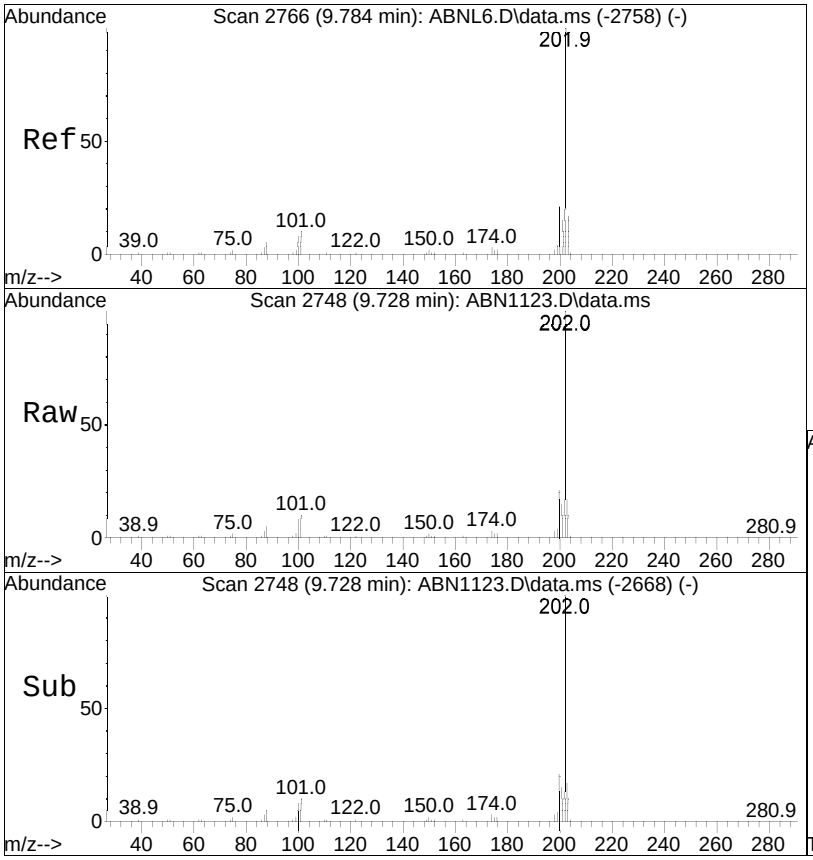


#94
Di-n-butylphthalate
Concen: 4.73 ug/ml
RT: 9.221 min Scan# 2585
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:149 Resp: 228976

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	4.3	4.5	6.7#

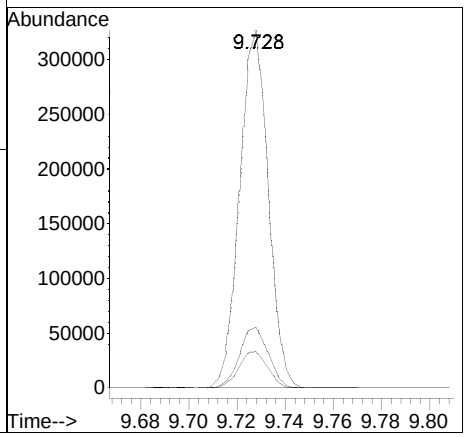


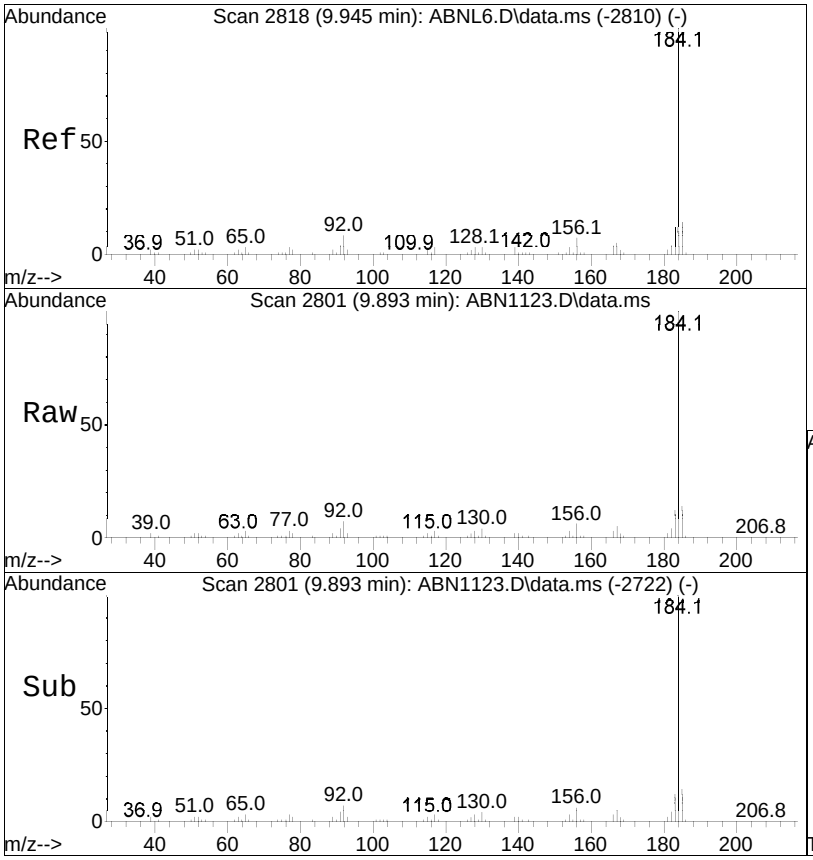


#95
Fluoranthene
Concen: 4.69 ug/ml
RT: 9.728 min Scan# 2748
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:202 Resp: 267353

Ion	Ratio	Lower	Upper
202	100		
101	10.4	13.5	20.3#
203	17.2	13.6	20.4

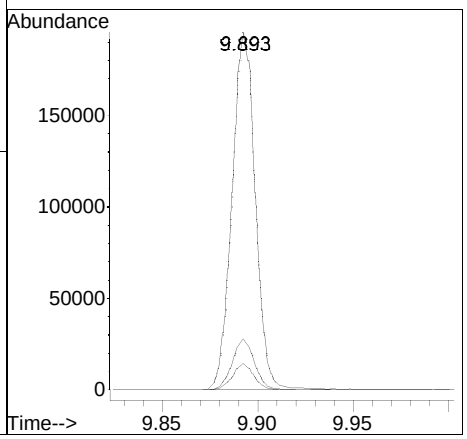


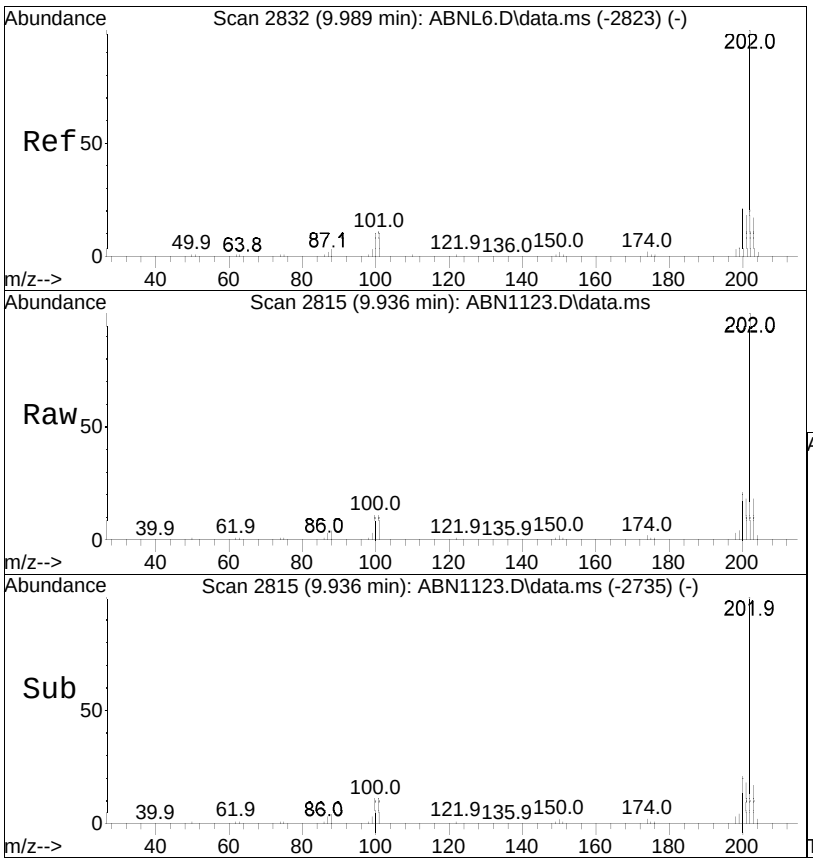


#96
Benzidine
Concen: 5.29 ug/ml
RT: 9.893 min Scan# 2801
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:184 Resp: 163561

Ion	Ratio	Lower	Upper
184	100		
92	6.9	9.1	13.7#
185	13.8	11.1	16.7

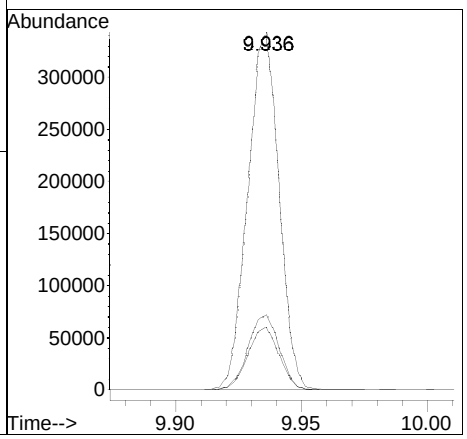


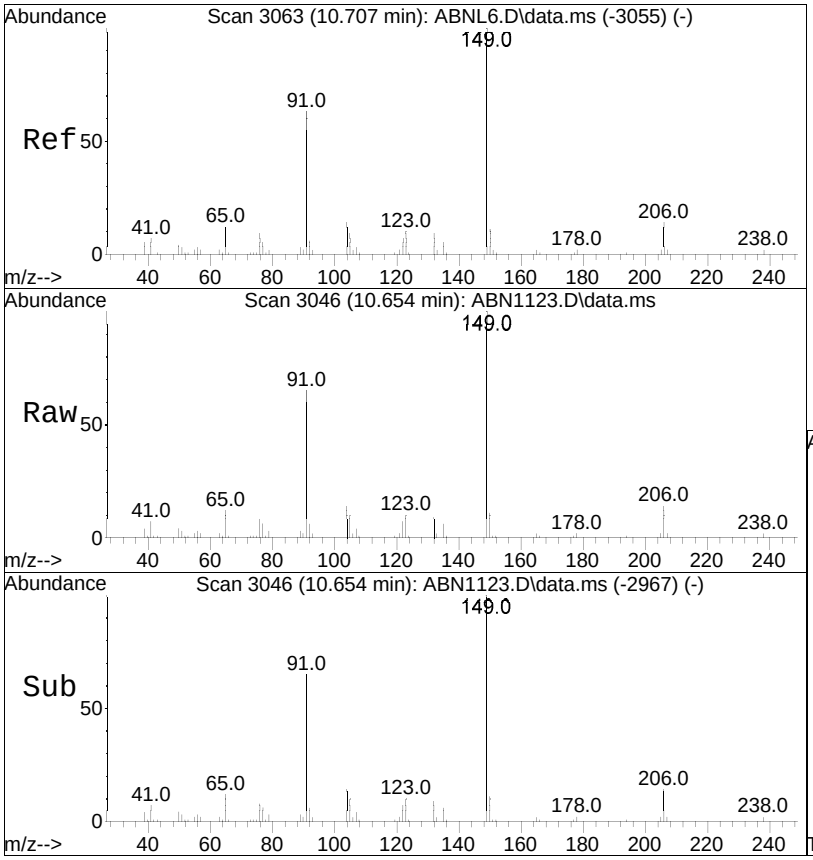


#97
Pyrene
Concen: 4.82 ug/ml
RT: 9.936 min Scan# 2815
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:202 Resp: 293610

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	14.2	21.4

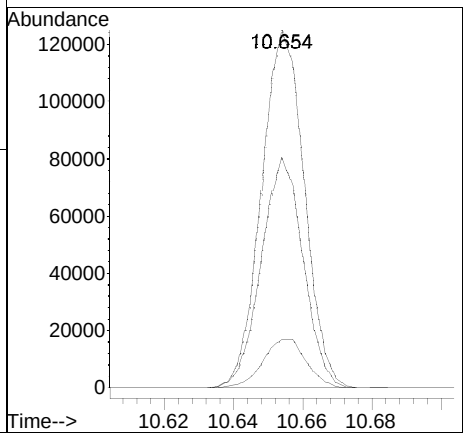


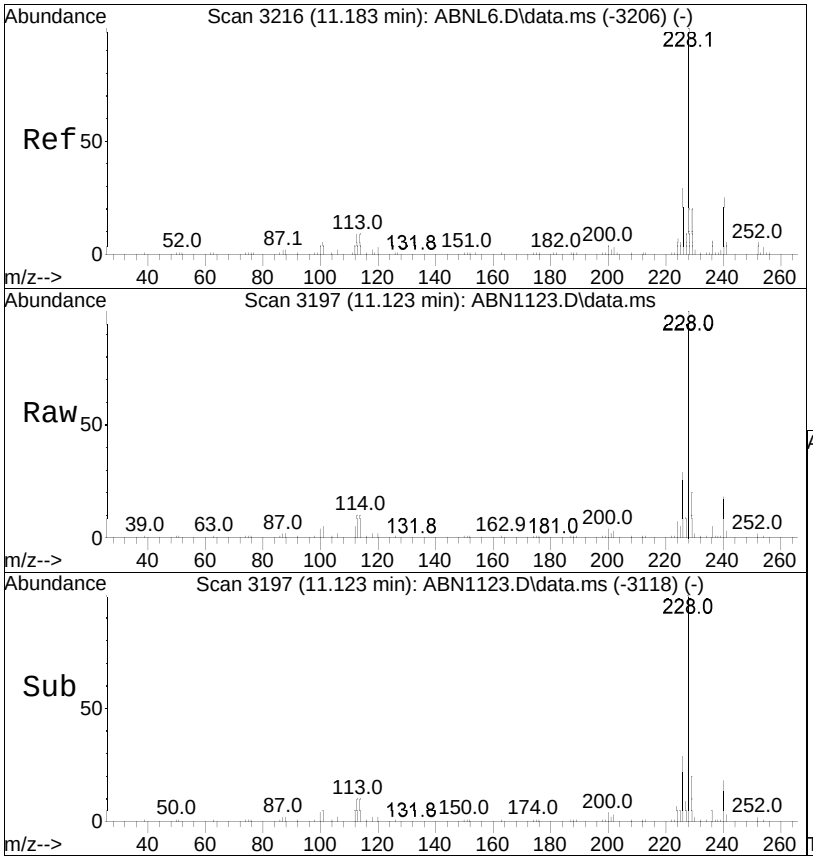


#99
Butyl benzyl phthalate
Concen: 5.13 ug/ml
RT: 10.654 min Scan# 3046
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:149 Resp: 106324

Ion	Ratio	Lower	Upper
149	100		
91	63.2	63.3	94.9#
206	13.9	13.9	20.9#

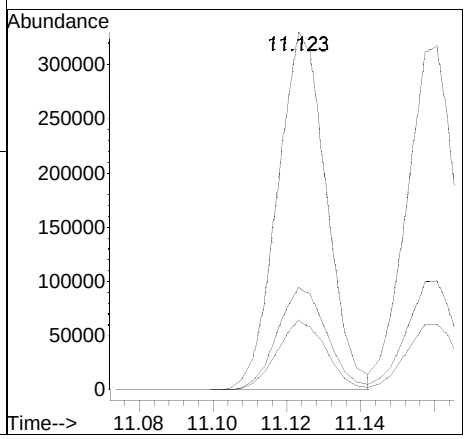


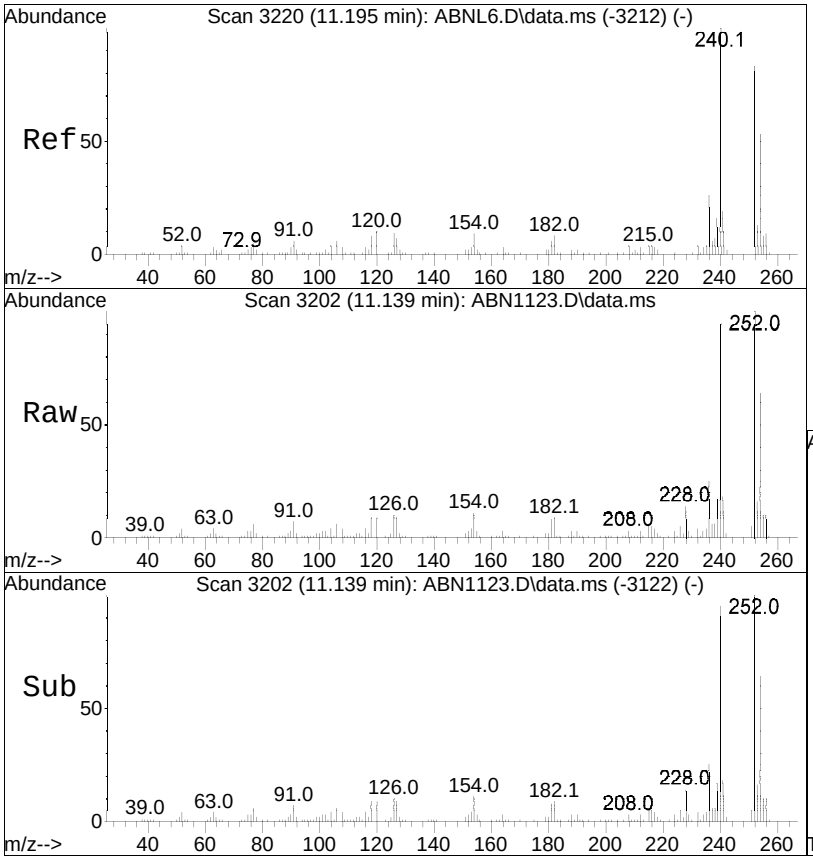


#107
Benzo(a)anthracene
Concen: 4.57 ug/ml
RT: 11.123 min Scan# 3197
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:228 Resp: 303675

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	19.6	15.6	23.4

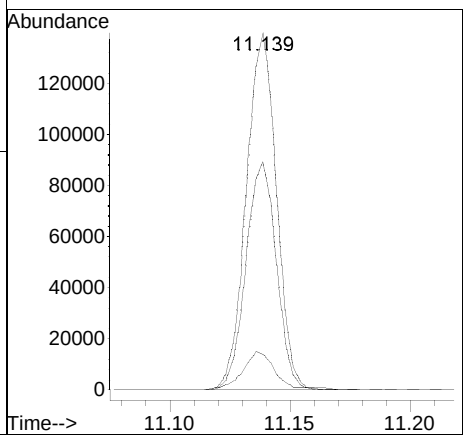


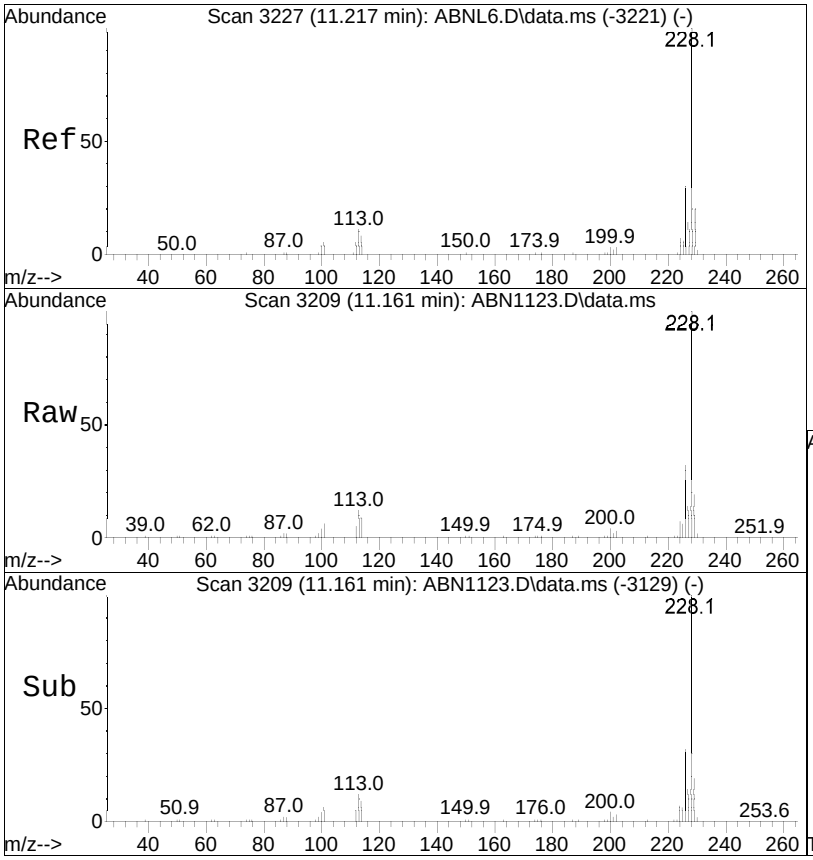


#108
3,3'-Dichlorobenzidine
Concen: 4.90 ug/ml
RT: 11.139 min Scan# 3202
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:252 Resp: 121276

Ion	Ratio	Lower	Upper
252	100		
126	11.9	14.5	21.7#
254	64.3	51.2	76.8

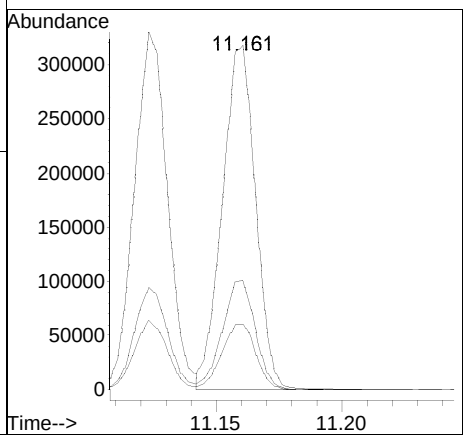


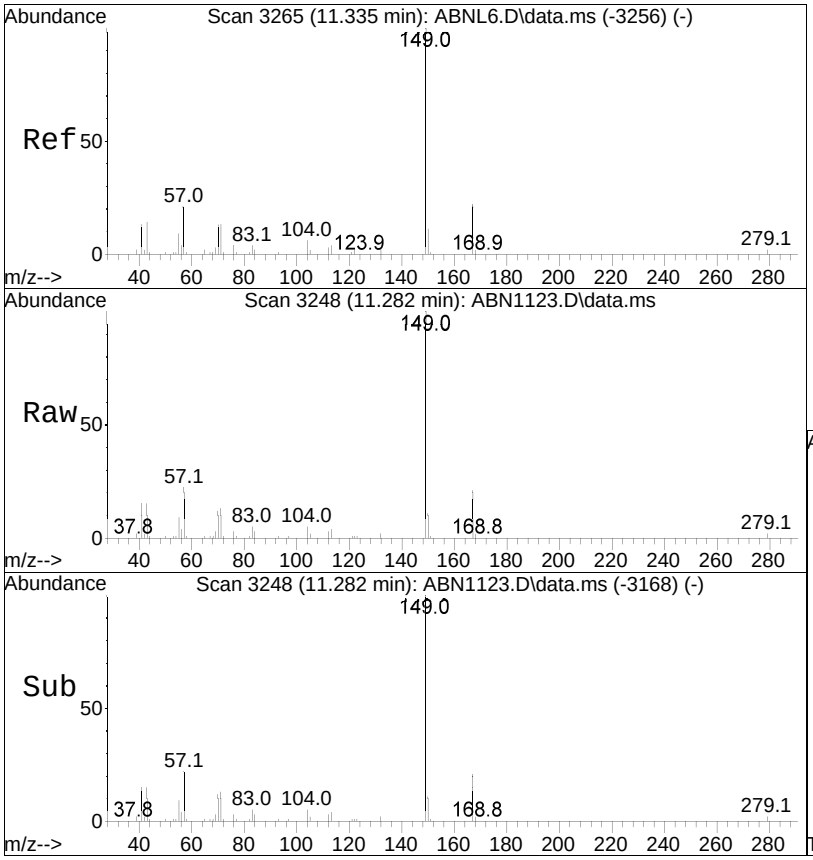


#109
Chrysene
Concen: 4.41 ug/ml
RT: 11.161 min Scan# 3209
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:228 Resp: 291245

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	19.6	15.8	23.8

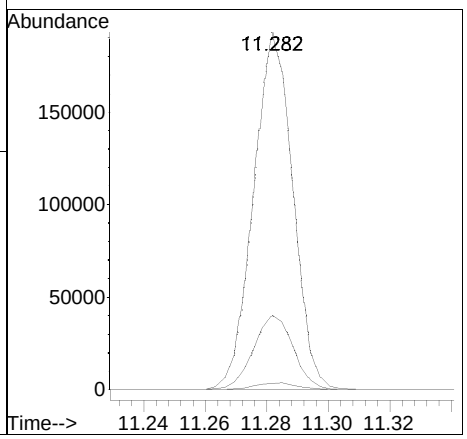


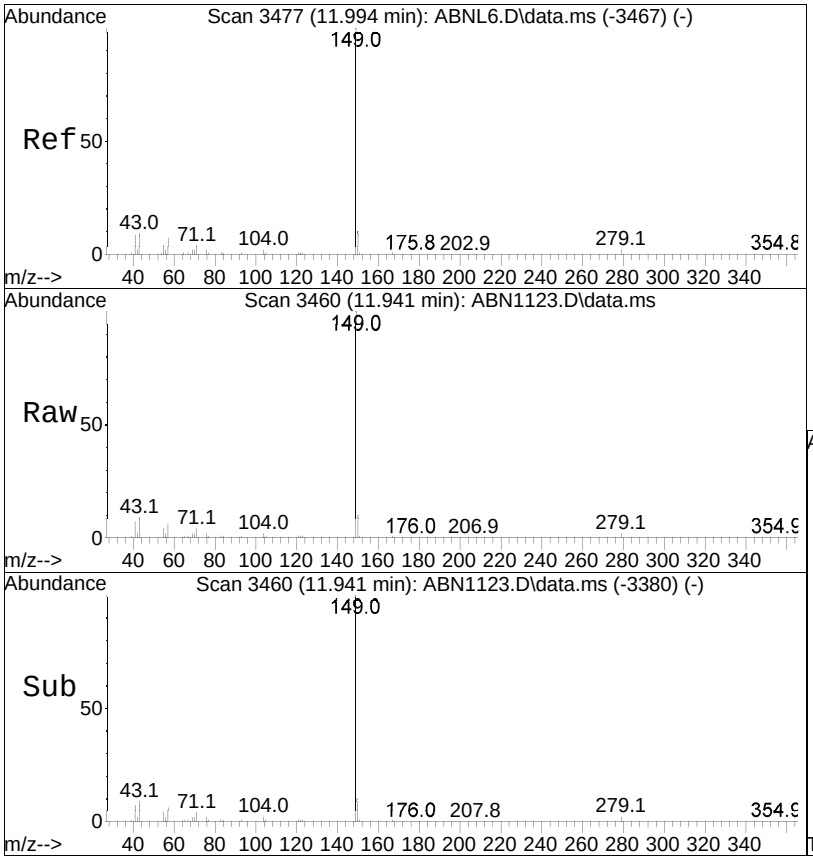


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.77 ug/ml
RT: 11.282 min Scan# 3248
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:149 Resp: 169620

Ion	Ratio	Lower	Upper
149	100		
167	21.1	22.1	33.1#
279	1.8	3.0	4.4#

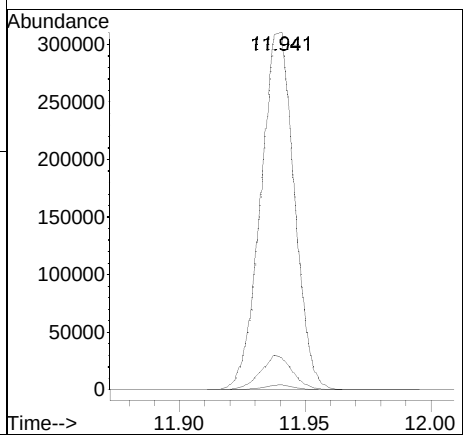


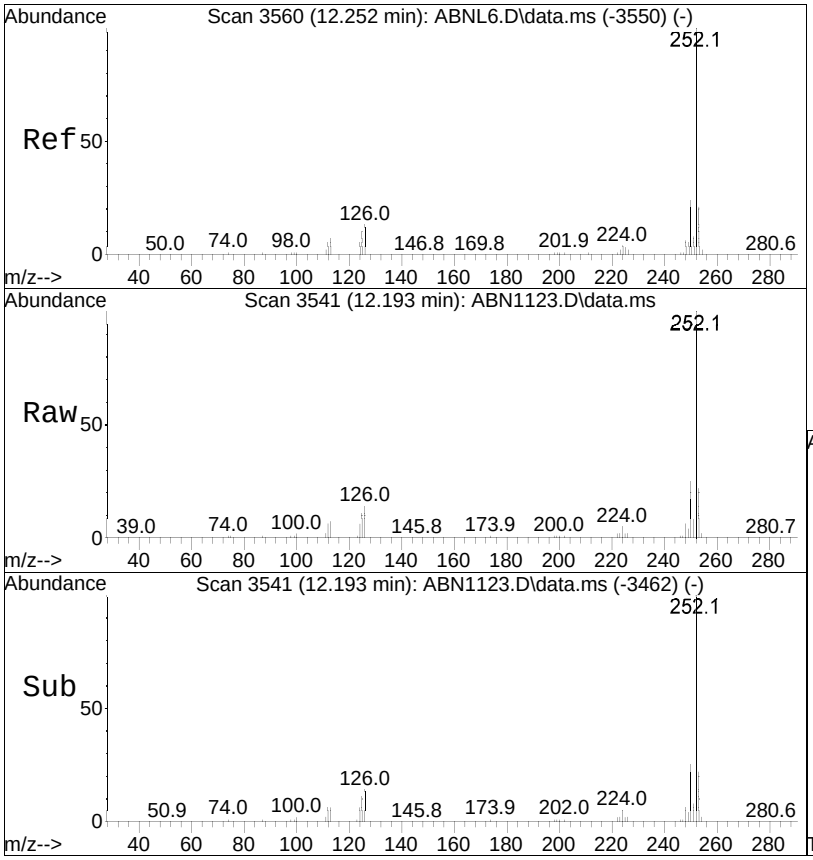


#111
Di-n-octylphthalate
Concen: 4.79 ug/ml
RT: 11.941 min Scan# 3460
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:149 Resp: 284578

Ion	Ratio	Lower	Upper
149	100		
43	9.3	18.8	28.2#
167	1.2	1.3	1.9#

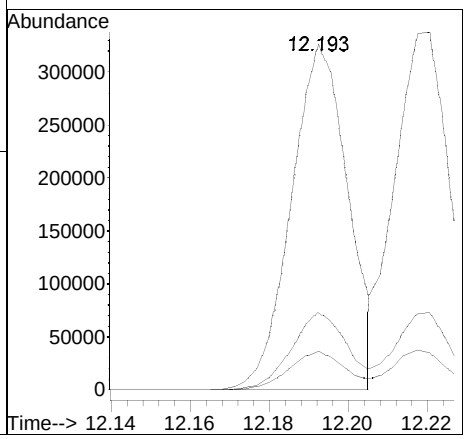


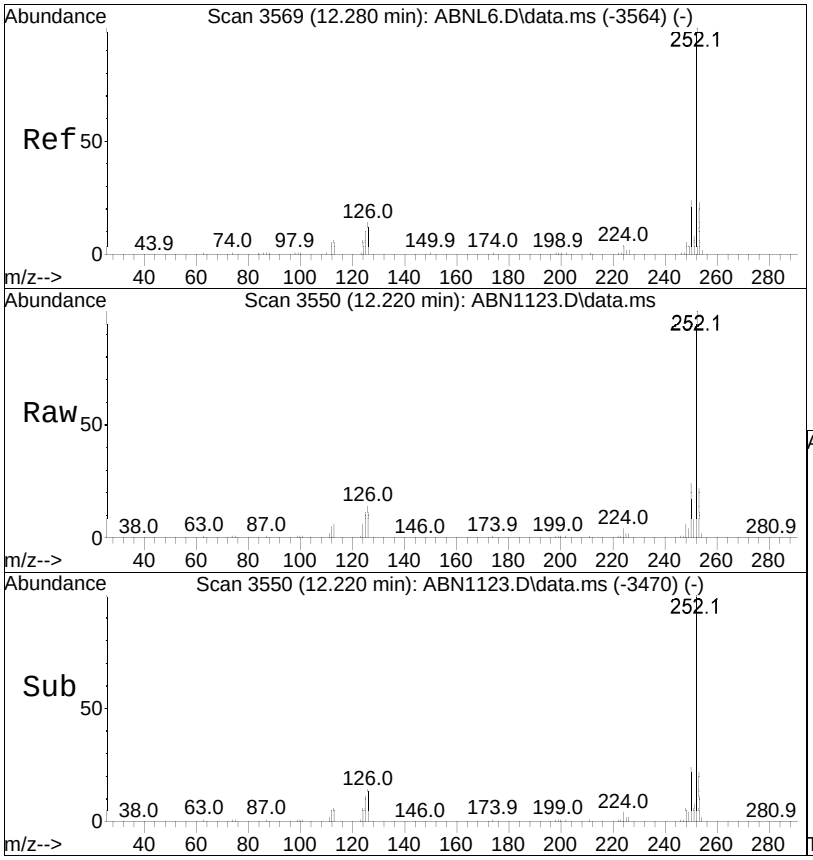


#112
Benzo(b)fluoranthene
Concen: 4.68 ug/ml
RT: 12.193 min Scan# 3541
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:252 Resp: 325577

Ion	Ratio	Lower	Upper
252	100		
125	11.1	13.3	19.9#
253	22.0	17.1	25.7

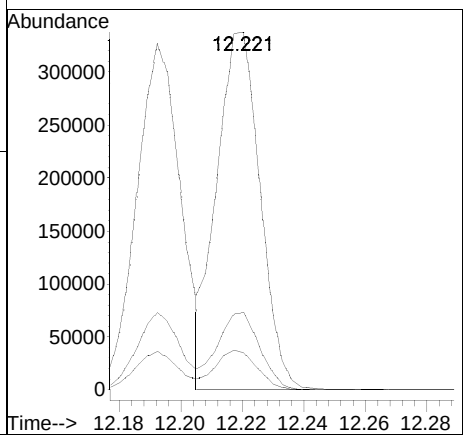


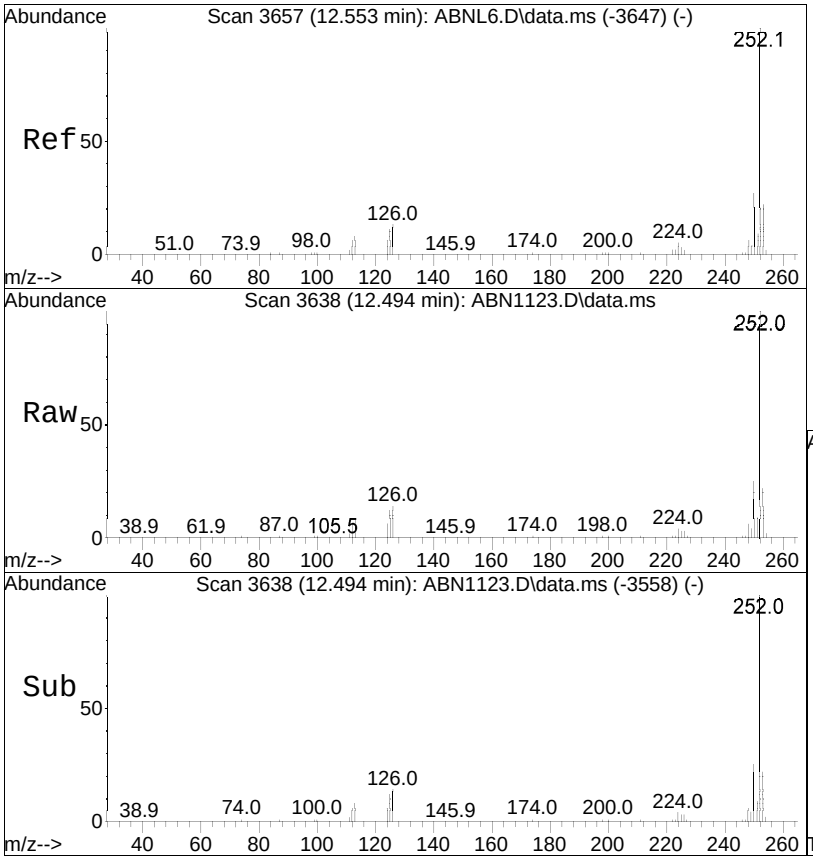


#113
Benzo(k)fluoranthene
Concen: 4.87 ug/ml
RT: 12.220 min Scan# 3550
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:252 Resp: 330091

Ion	Ratio	Lower	Upper
252	100		
125	10.8	13.0	19.6#
253	21.3	16.8	25.2

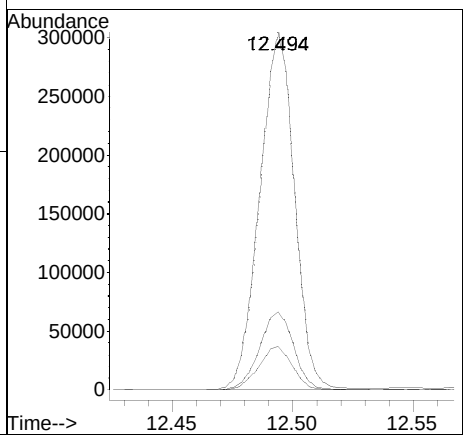


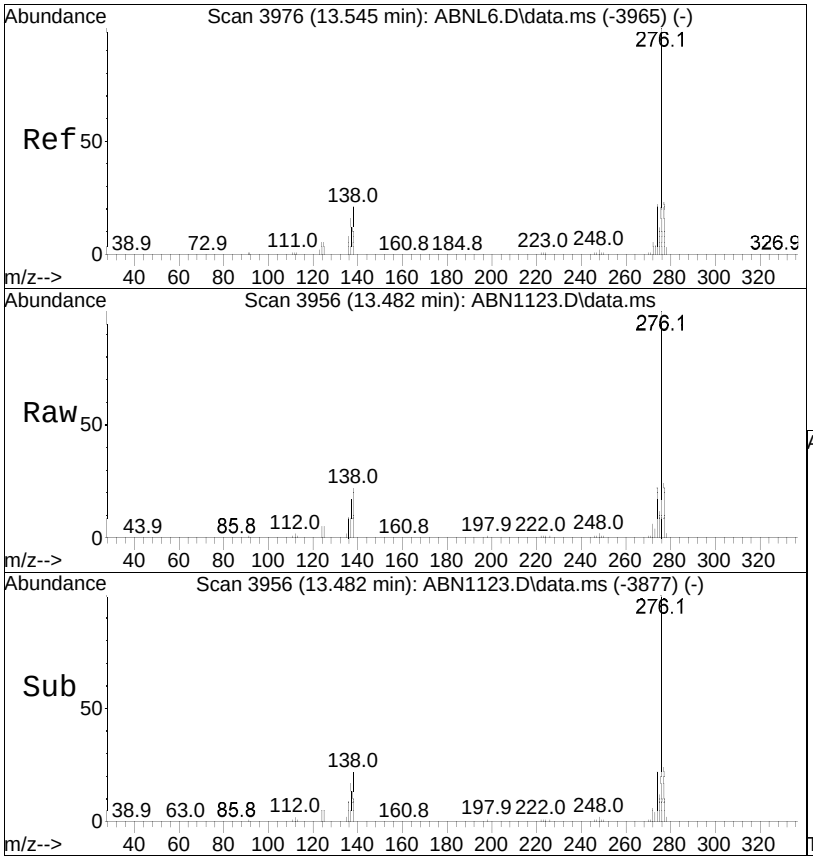


#114
Benzo(a)pyrene
Concen: 4.88 ug/ml
RT: 12.494 min Scan# 3638
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:252 Resp: 302914

Ion	Ratio	Lower	Upper
252	100		
125	11.9	14.2	21.2#
253	21.7	16.9	25.3

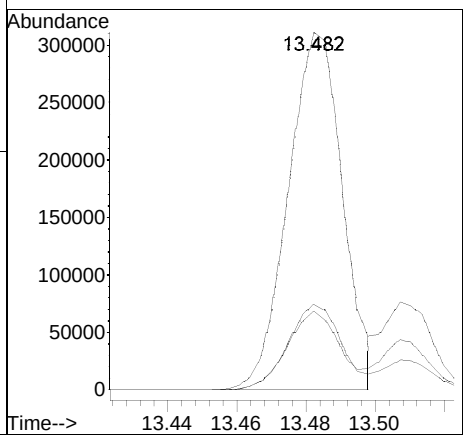


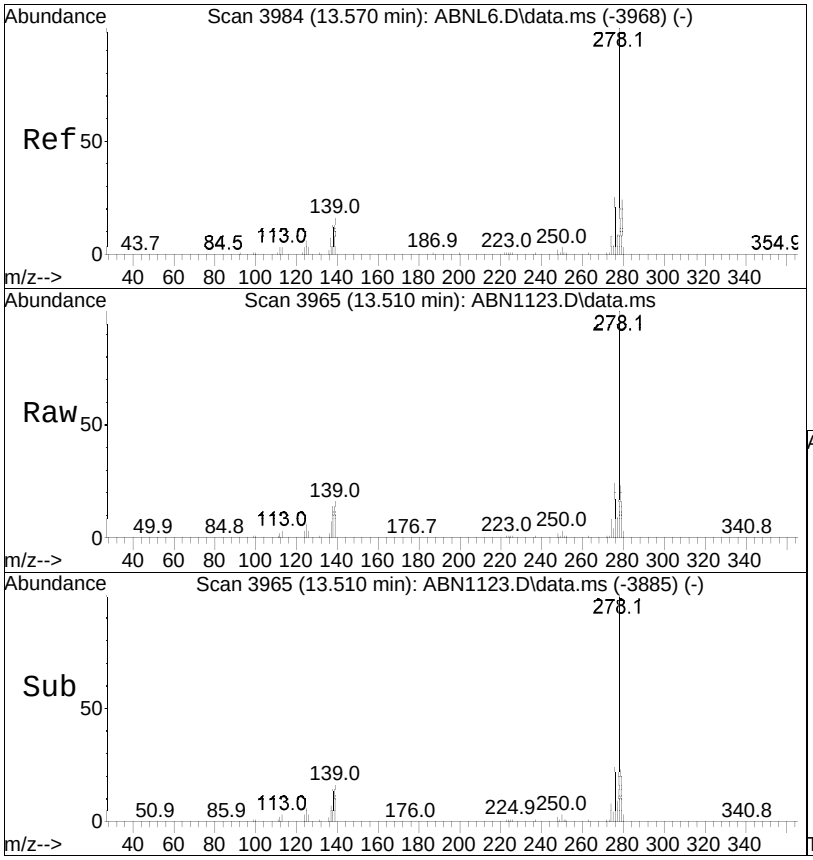


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.65 ug/mL
RT: 13.482 min Scan# 3956
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:276 Resp: 337800

Ion	Ratio	Lower	Upper
276	100		
138	21.2	25.1	37.7#
277	23.7	18.6	28.0

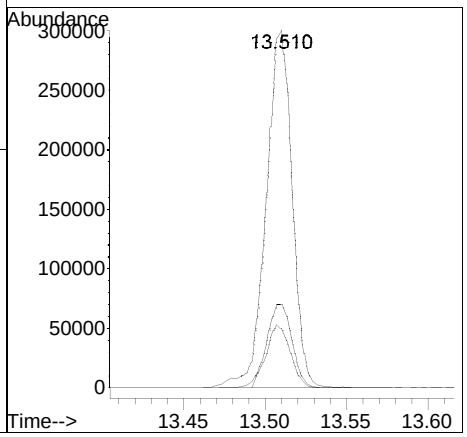


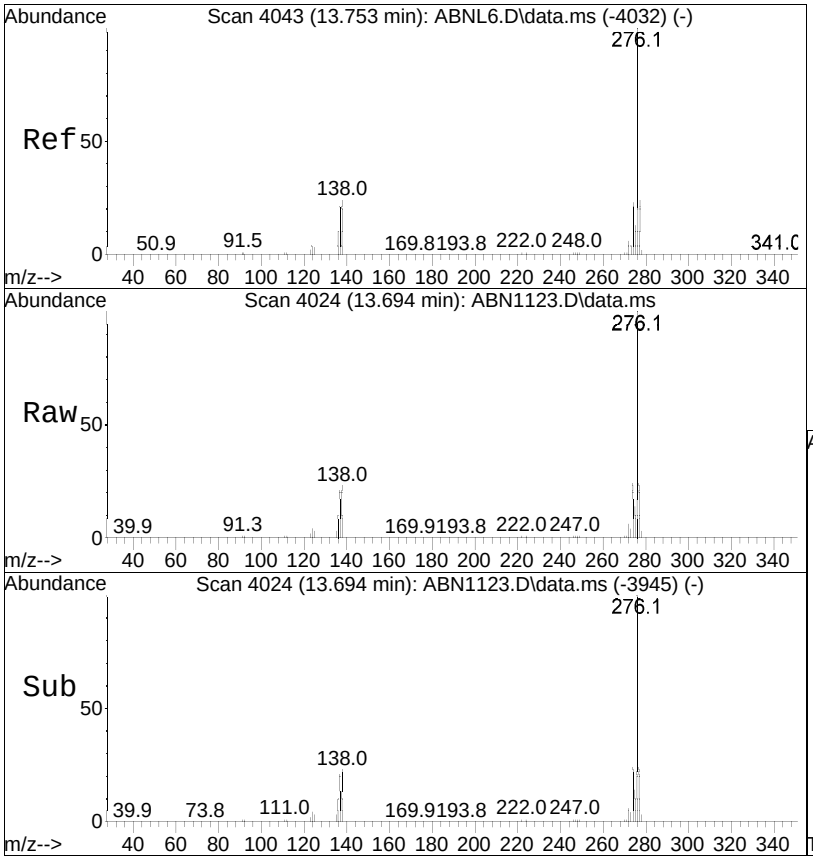


#117
Dibenzo(a,h)anthracene
Concen: 4.64 ug/ml
RT: 13.510 min Scan# 3965
Delta R.T. 0.000 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:278 Resp: 330997

Ion	Ratio	Lower	Upper
278	100		
139	16.4	20.8	31.2#
279	23.3	18.3	27.5

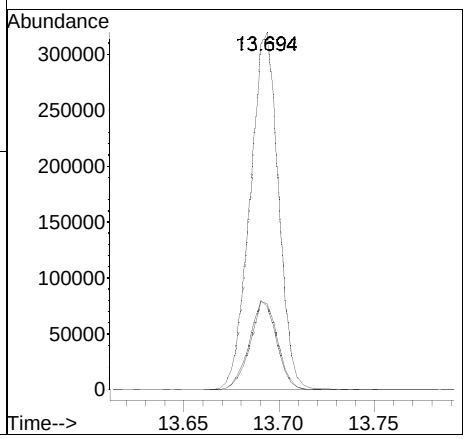




#118
Benzo(ghi)perylene
Concen: 4.66 ug/ml
RT: 13.694 min Scan# 4024
Delta R.T. -0.003 min
Lab File: ABN1123.D
Acq: 23 Nov 2024 1:41 pm

Tgt Ion:276 Resp: 326499

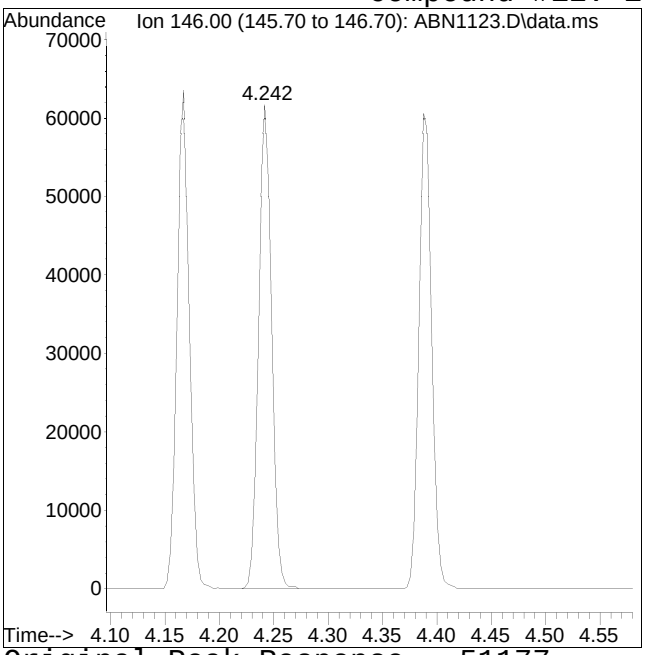
Ion	Ratio	Lower	Upper
276	100		
138	24.3	29.2	43.8#
277	24.2	18.8	28.2

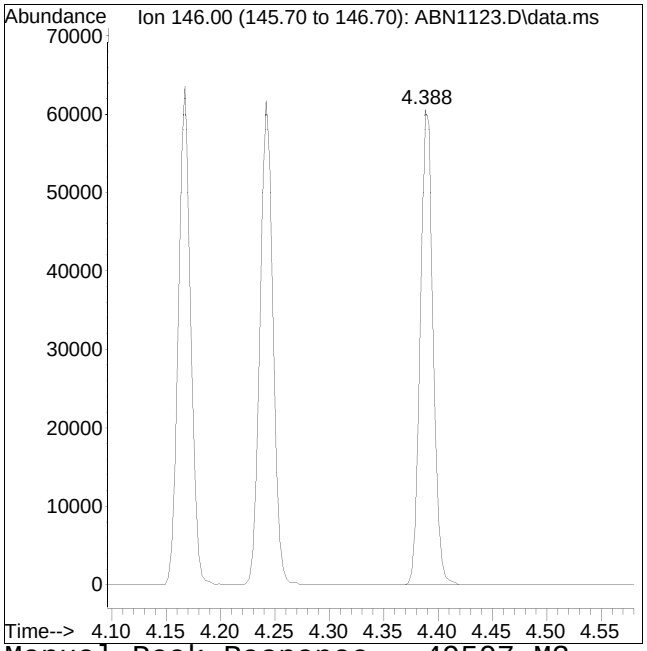


Manual Integration Report

Data Path : I:\8270\Dakota\241123RVT\ QMethod : FS241105RVT_Dakota.m
Data File : ABN1123.D Operator : Dakota:ek
Date Inj'd : 11/23/2024 1:41 pm Instrument : Dakota
Sample : wg2001490-3,32,,ABN 11043 Quant Date : 11/23/2024 1:59 pm

Compound #12: 1,2-Dichlorobenzene





Original Peak Response = 51177 Manual Peak Response = 49507 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\Dakota\241123RVT\
Data File : AP91123.D
Acq On : 23 Nov 2024 2:04 pm
Operator : Dakota:ek
Sample : wg2001490-4,32,,AP9 11152 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 23 14:21:13 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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	88	0.00
28	T	Benzaldehyde	0.703	0.766	-9.0	88	0.00
29	T	Acetophenone	1.403	1.626	-15.9	97	0.00
30	T	m-Toluidine	1.287	1.445	-12.3	96	0.00
31	T	2-Chloroaniline	1.368	1.574	-15.1	97	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	100	0.00
58	T	a-Terpineol	0.221	0.241	-9.0	102	0.00
59	T	3-Chloroaniline	0.115	0.122	-6.1	97	0.00
60	T	2,6-Dichlorophenol	0.296	0.322	-8.8	101	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.131	-15.9	103	0.00
62	T	Caprolactam	0.123	0.135	-9.8	106	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.417	-1.0	95	0.00
64	T	Biphenyl	0.842	0.900	-6.9	100	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	104	0.00
86	T	Dichloran	0.169	0.196	-16.0	124	0.00
87	T	Pentachloronitrobenzene	0.187	0.189	-1.1	109	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	113	0.00
101	T	Diphenamid	0.416	0.438	-5.3	114	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\241123RVT\
Data File : AP91123.D
Acq On : 23 Nov 2024 2:04 pm
Operator : Dakota:ek
Sample : wg2001490-4,32,,AP9 11152 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 23 14:21:13 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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...	4.226	152	24842	4.000	ug/ml		0.00
57)	IS2_Naphthalene-d8	5.464	136	98292	4.000	ug/ml	#	0.00
85)	IS2_Acenaphthene-d10	7.154	164	67111	4.000	ug/ml		0.00
100)	IS2_Phenanthrene-d10	8.569	188	161044	4.000	ug/ml		0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.785	105	23771	5.441	ug/ml		99
29)	Acetophenone	4.640	105	50493	5.793	ug/ml	#	79
30)	m-Toluidine	4.724	106	44871	5.615	ug/ml		93
31)	2-Chloroaniline	5.081	127	48872	5.752	ug/ml	#	91
58)	a-Terpineol	5.535	59	29616	5.443	ug/ml	#	85
59)	3-Chloroaniline	5.547	65	14960	5.313	ug/ml		86
60)	2,6-Dichlorophenol	5.572	162	39535	5.443	ug/ml	#	83
61)	1-chloro-2-nitrobenzene	5.824	111	16042	5.755	ug/ml	#	1
62)	Caprolactam	5.861	55	16607	5.499	ug/ml	#	73
63)	1,2,4,5-Tetrachloroben...	6.334	216	51228	5.048	ug/ml	#	96
64)	Biphenyl	6.626	154	110621	5.349	ug/ml		96
86)	Dichloran	8.279	206	16410	5.789	ug/ml	#	56
87)	Pentachloronitrobenzene	8.426	237	15849	5.063	ug/ml	#	81
101)	Diphenamid	9.482	167	88161	5.264	ug/ml	#	76

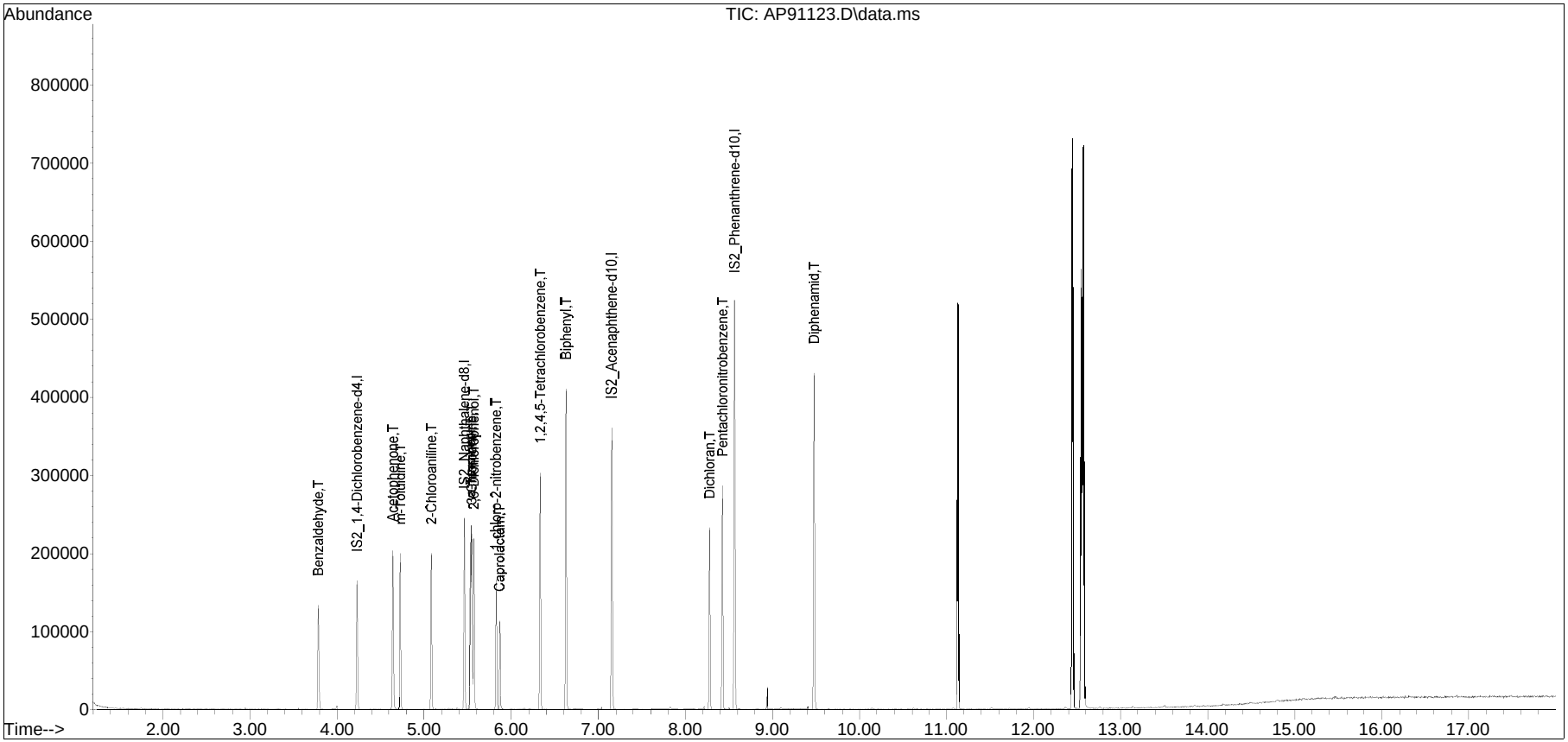
(#) = qualifier out of range (m) = manual integration (+) = signals summed

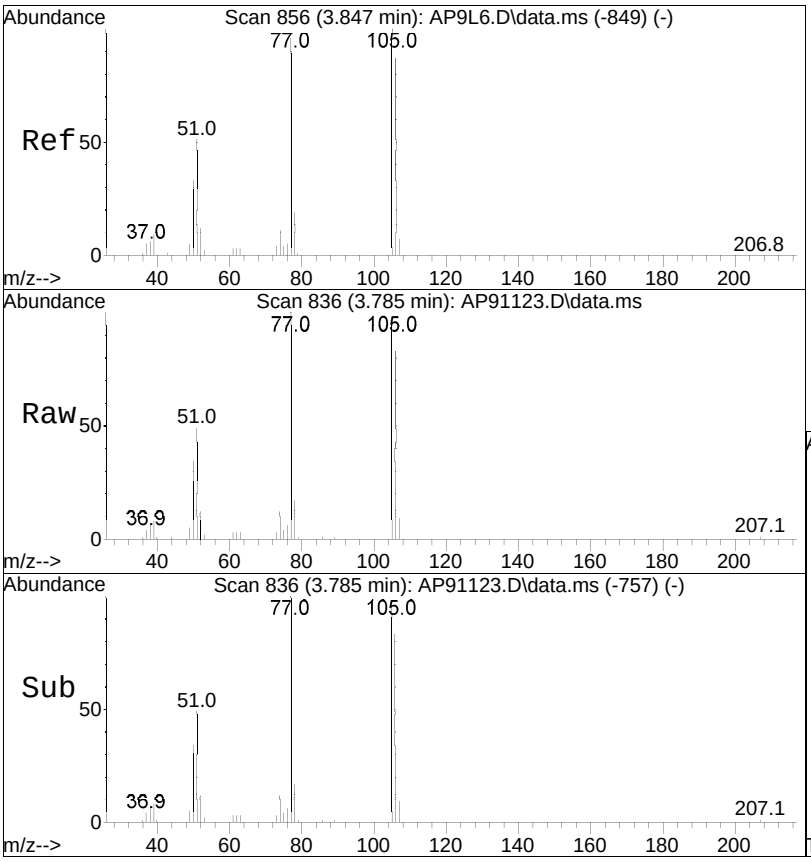
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : AP91123.D
Acq On : 23 Nov 2024 2:04 pm
Operator : Dakota:ek
Sample : wg2001490-4,32,,AP9 11152 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 23 14:21:13 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

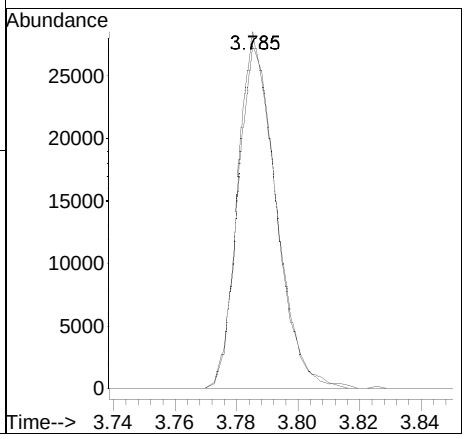


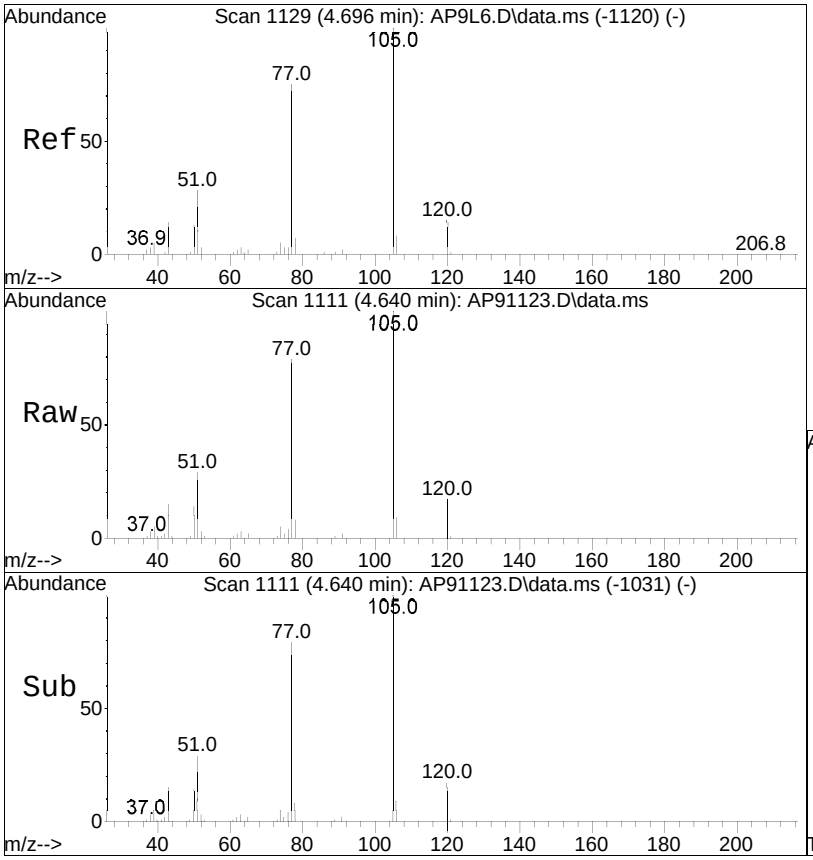


#28
Benzaldehyde
Concen: 5.44 ug/ml
RT: 3.785 min Scan# 836
Delta R.T. -0.003 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:105 Resp: 23771

Ion	Ratio	Lower	Upper
105	100		
77	102.3	82.2	123.4

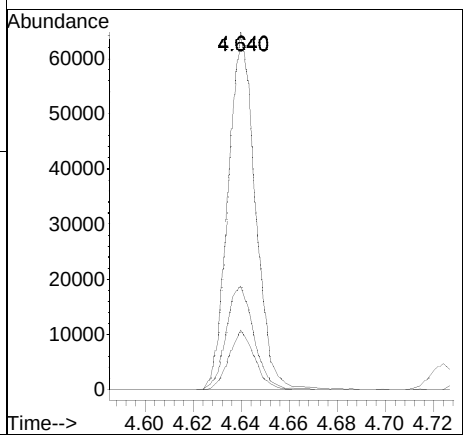


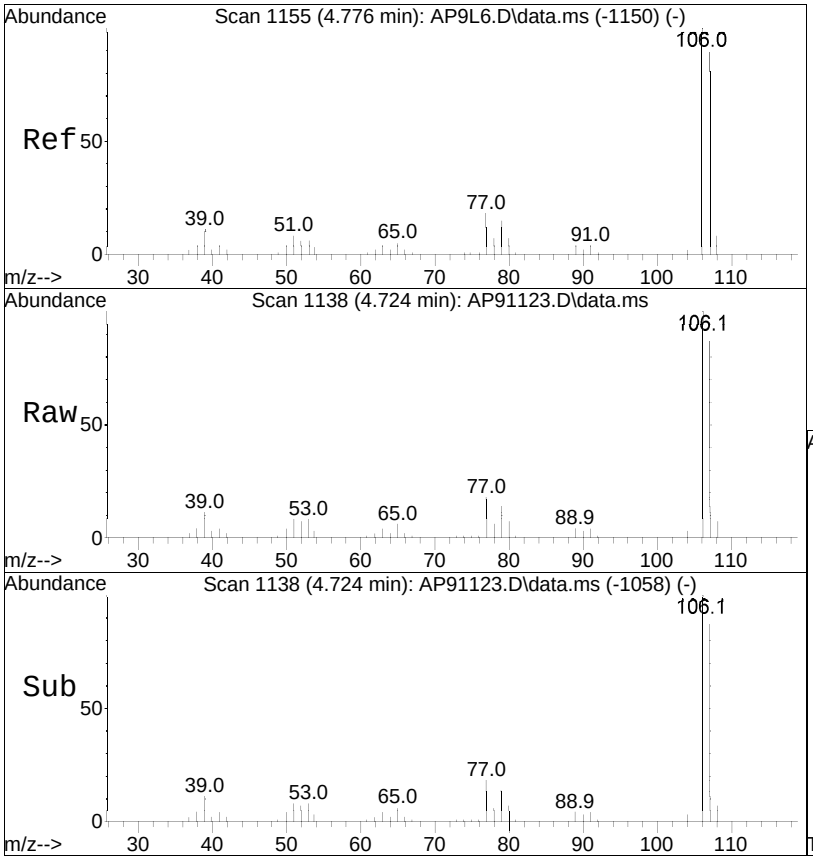


#29
Acetophenone
Concen: 5.79 ug/ml
RT: 4.640 min Scan# 1111
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:105 Resp: 50493

Ion	Ratio	Lower	Upper
105	100		
120	15.7	20.5	30.7#
51	29.6	34.9	52.3#

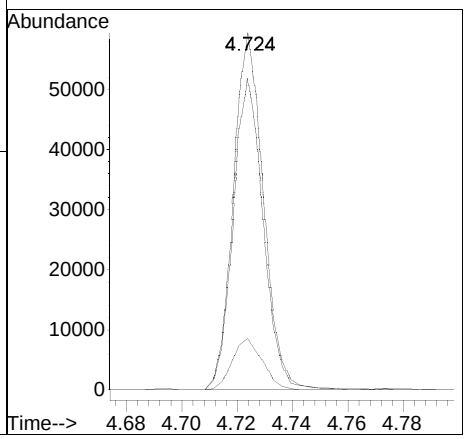


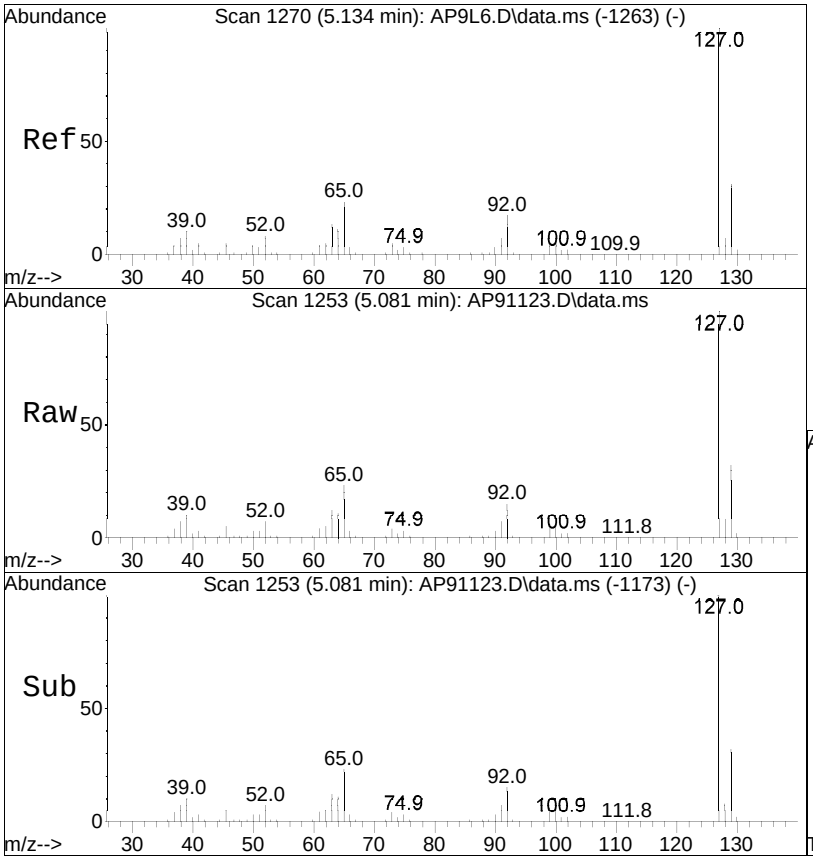


#30
m-Toluidine
Concen: 5.61 ug/ml
RT: 4.724 min Scan# 1138
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:106 Resp: 44871

Ion	Ratio	Lower	Upper
106	100		
107	87.3	75.7	113.5
79	14.4	11.8	17.8

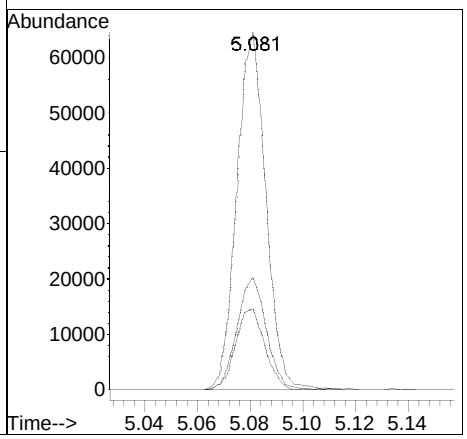


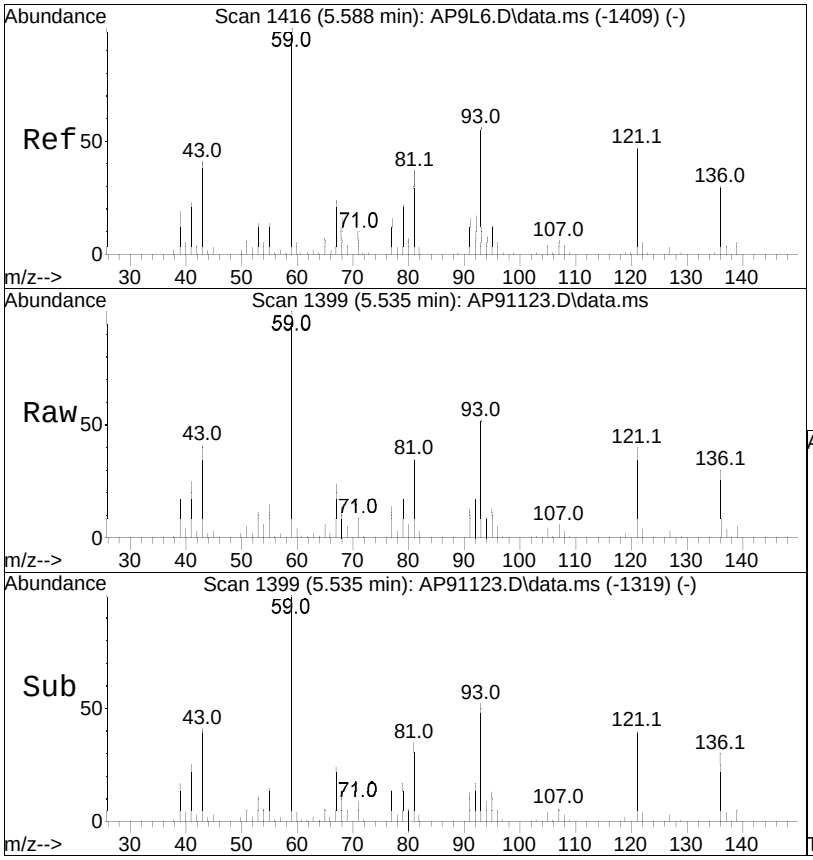


#31
2-Chloroaniline
Concen: 5.75 ug/ml
RT: 5.081 min Scan# 1253
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:127 Resp: 48872

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.9	38.9
65	23.0	26.3	39.5#

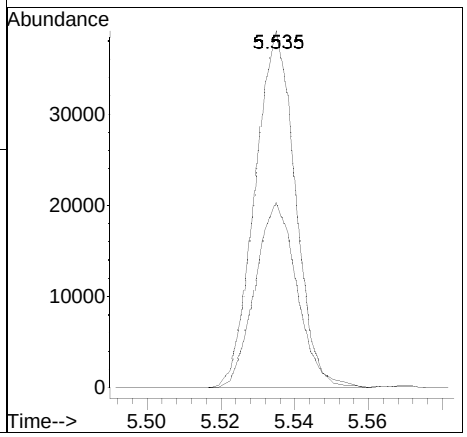


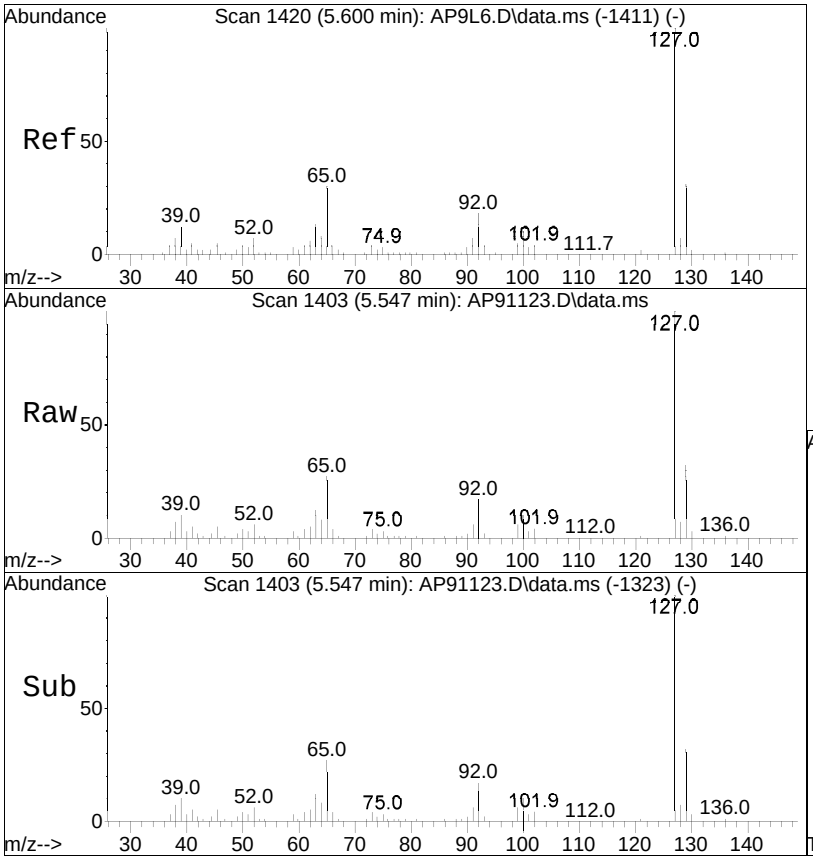


#58
a-Terpineol
Concen: 5.44 ug/ml
RT: 5.535 min Scan# 1399
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion: 59 Resp: 29616

Ion	Ratio	Lower	Upper
59	100		
93	54.5	35.6	53.4#

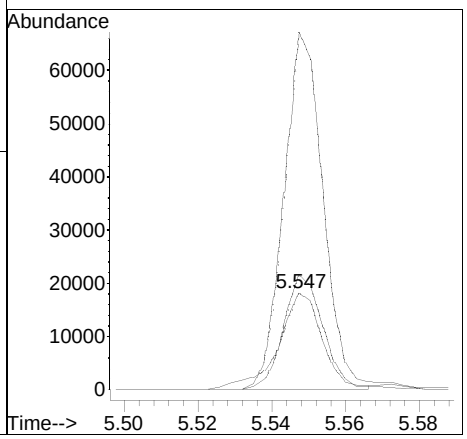


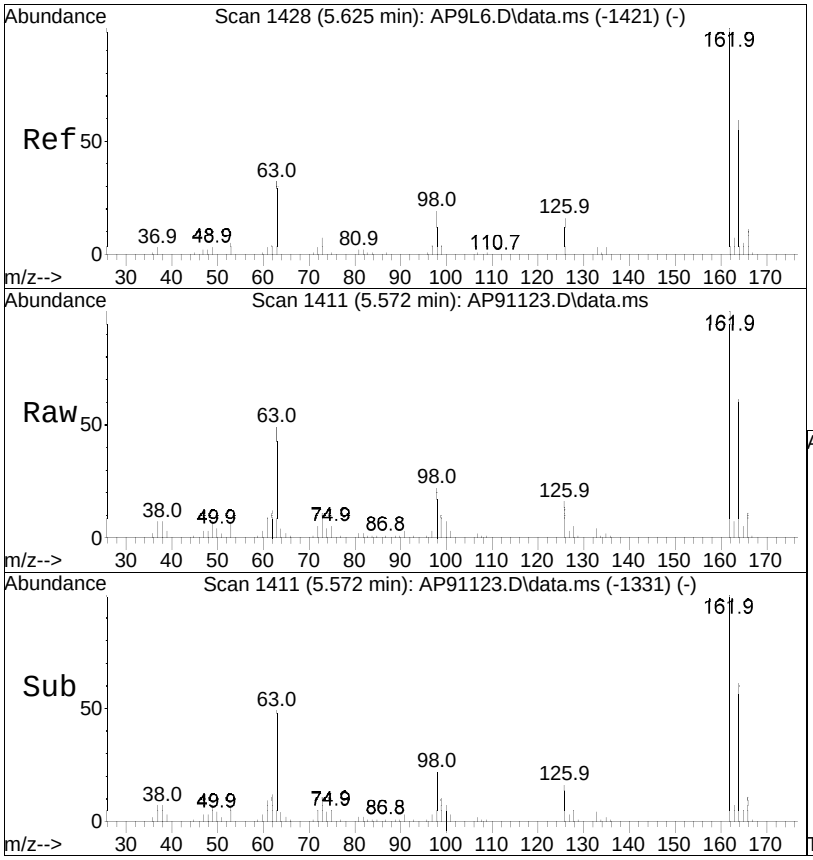


#59
3-Chloroaniline
Concen: 5.31 ug/ml
RT: 5.547 min Scan# 1403
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion: 65 Resp: 14960

Ion	Ratio	Lower	Upper
65	100		
127	333.3	243.2	364.8
129	108.0	78.8	118.2

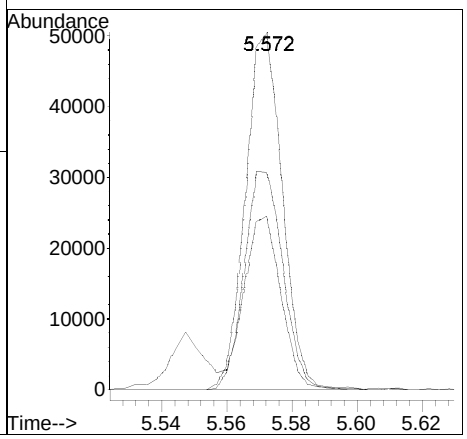


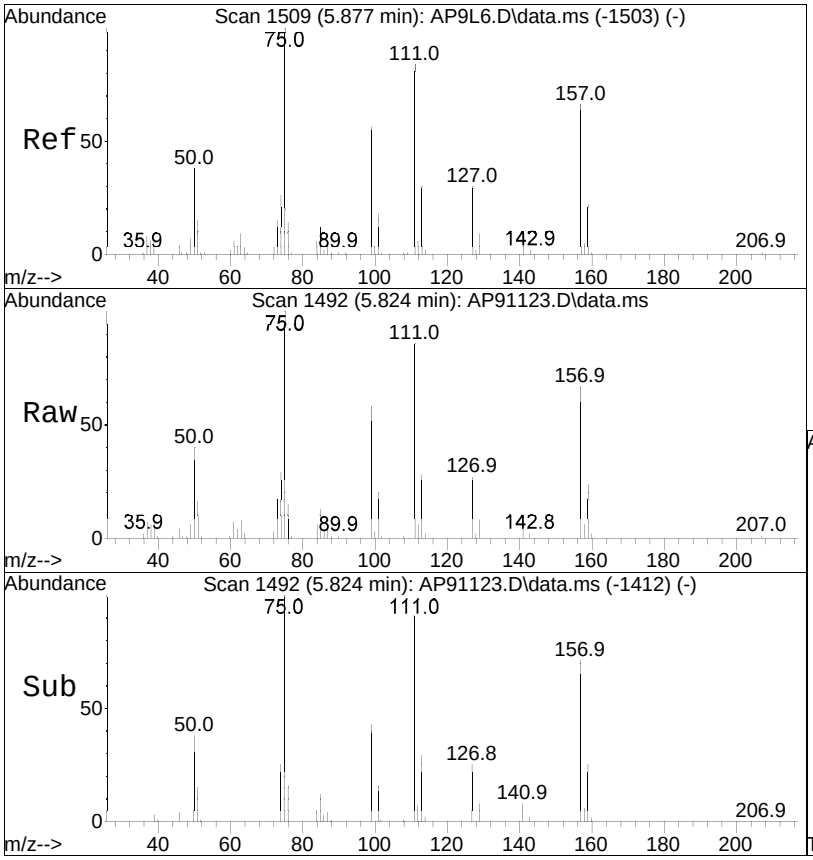


#60
2,6-Dichlorophenol
Concen: 5.44 ug/ml
RT: 5.572 min Scan# 1411
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:162 Resp: 39535

Ion	Ratio	Lower	Upper
162	100		
164	64.0	51.1	76.7
63	49.4	60.8	91.2#

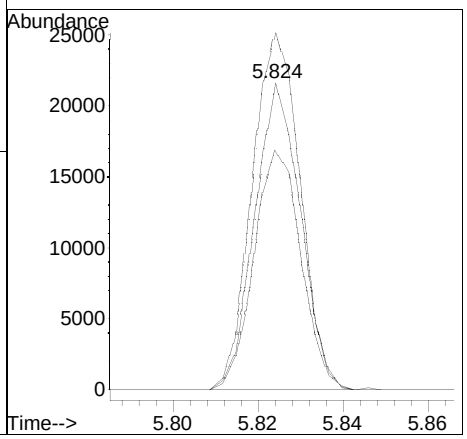


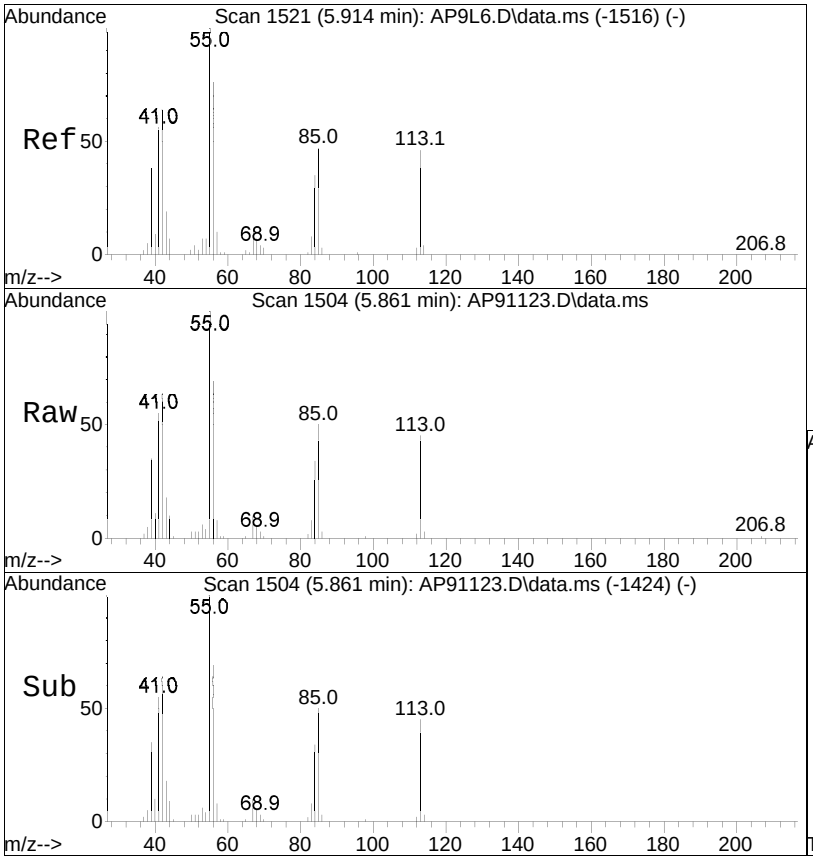


#61
1-chloro-2-nitrobenzene
Concen: 5.75 ug/ml
RT: 5.824 min Scan# 1492
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:111 Resp: 16042

Ion	Ratio	Lower	Upper
111	100		
157	80.5	0.0	0.0#
75	122.6	28.2	42.2#

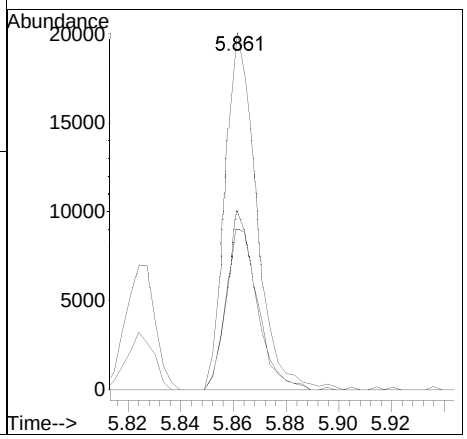


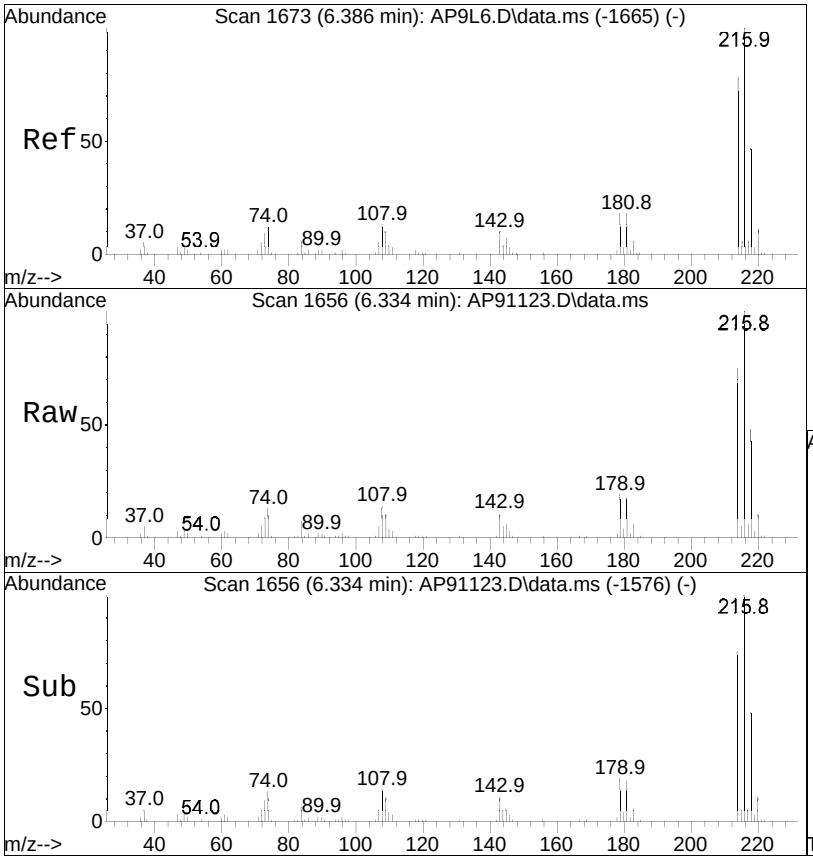


#62
Caprolactam
Concen: 5.50 ug/ml
RT: 5.861 min Scan# 1504
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion: 55 Resp: 16607

Ion	Ratio	Lower	Upper
55	100		
85	46.9	19.8	29.6#
113	46.5	29.6	44.4#

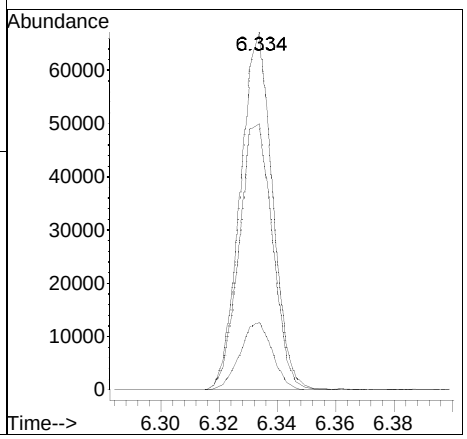


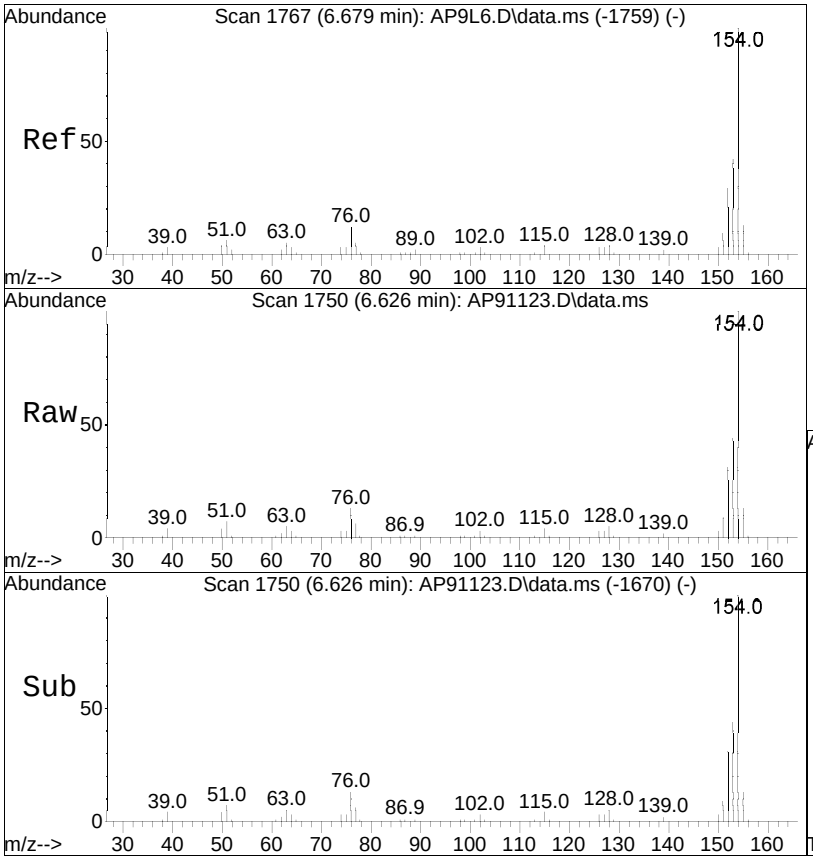


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.05 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:216 Resp: 51228

Ion	Ratio	Lower	Upper
216	100		
214	77.2	63.7	95.5
179	19.0	19.0	28.6#

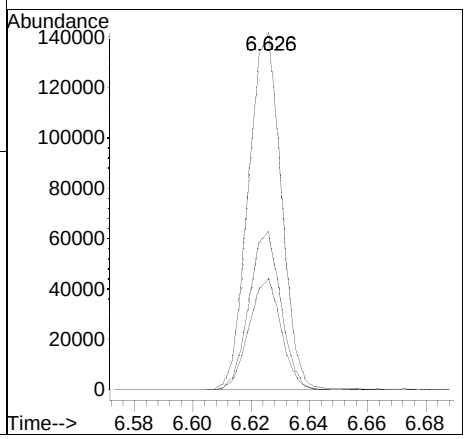


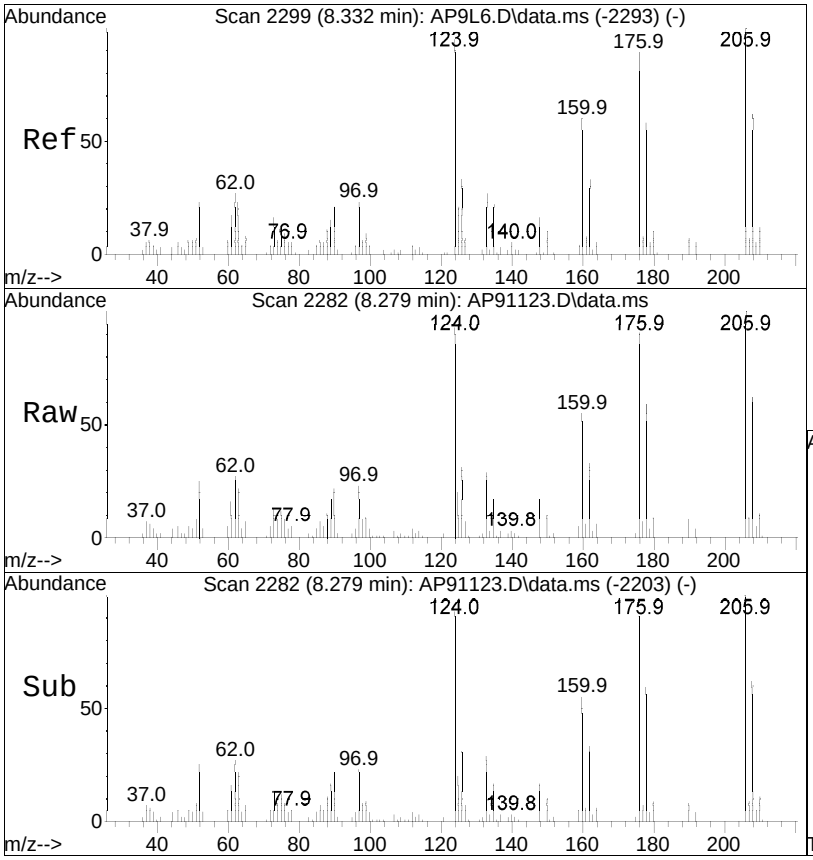


#64
Biphenyl
Concen: 5.35 ug/ml
RT: 6.626 min Scan# 1750
Delta R.T. -0.000 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:154 Resp: 110621

Ion	Ratio	Lower	Upper
154	100		
153	42.8	32.3	48.5
152	30.6	22.5	33.7

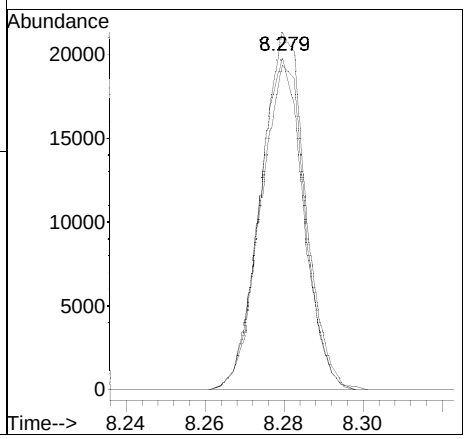


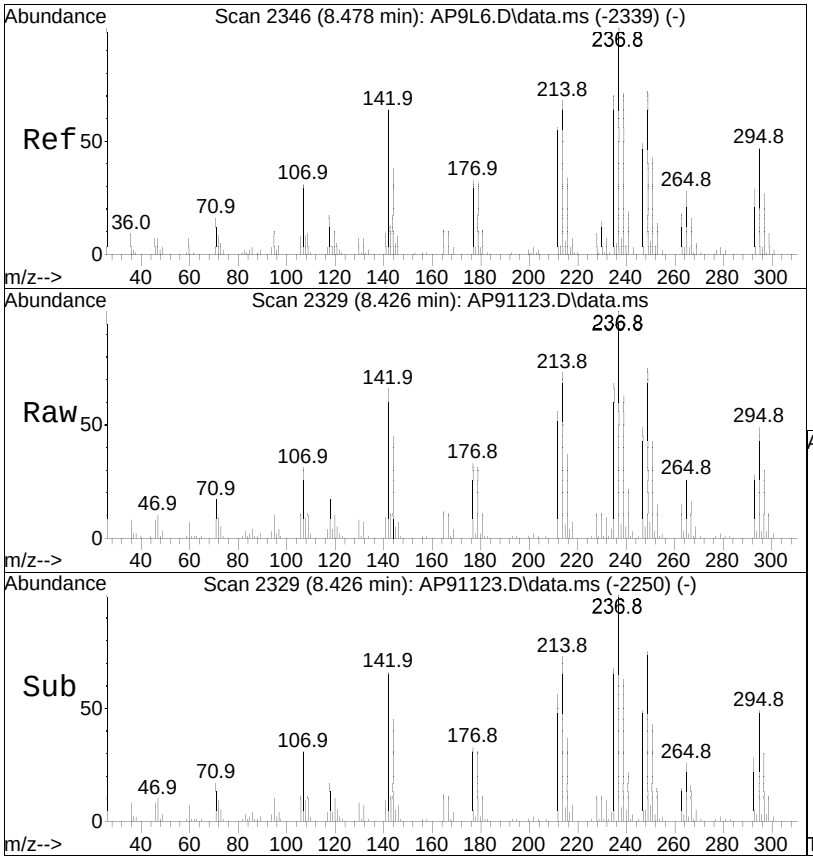


#86
Dichloran
Concen: 5.79 ug/ml
RT: 8.279 min Scan# 2282
Delta R.T. -0.003 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:206 Resp: 16410

Ion	Ratio	Lower	Upper
206	100		
176	92.6	104.6	157.0#
124	92.5	130.5	195.7#

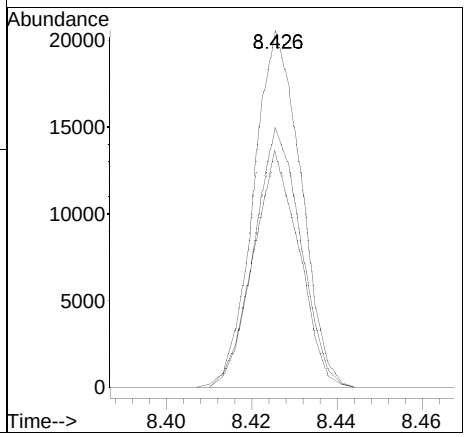


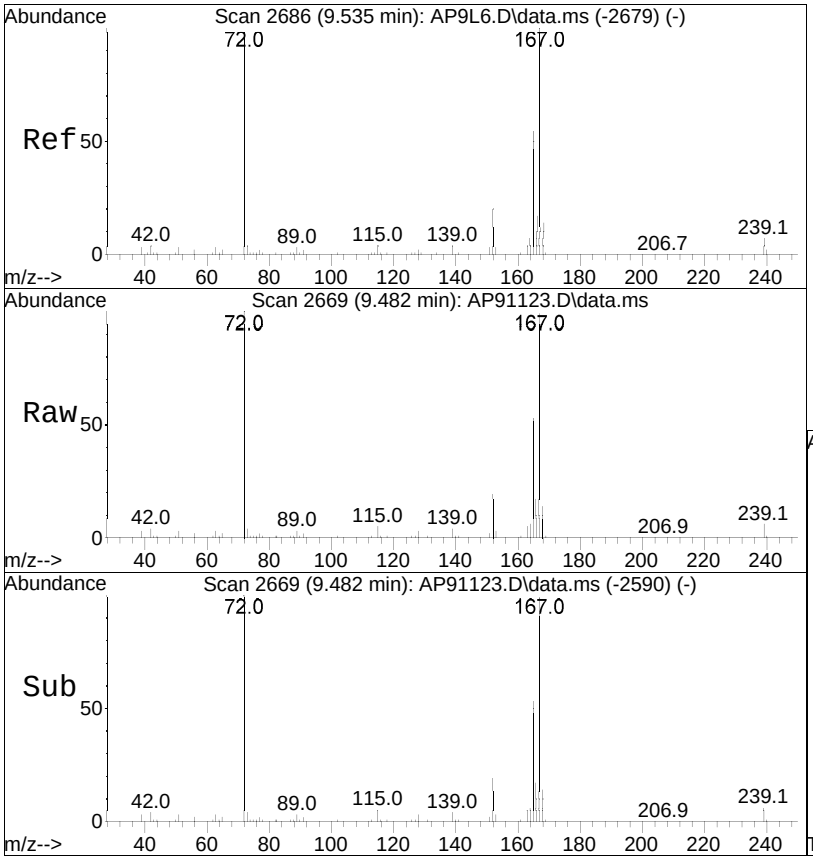


#87
Pentachloronitrobenzene
Concen: 5.06 ug/ml
RT: 8.426 min Scan# 2329
Delta R.T. -0.003 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:237 Resp: 15849

Ion	Ratio	Lower	Upper
237	100		
142	65.0	77.0	115.4#
214	71.8	58.2	87.4

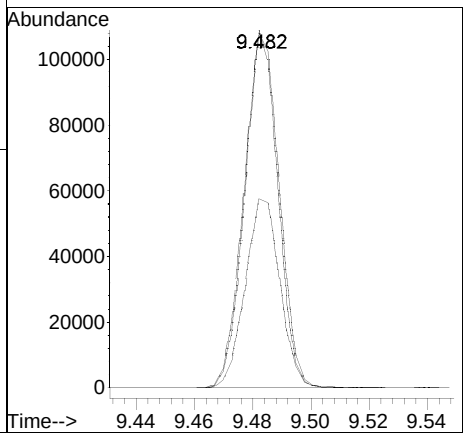




#101
Diphenamid
Concen: 5.26 ug/ml
RT: 9.482 min Scan# 2669
Delta R.T. -0.003 min
Lab File: AP91123.D
Acq: 23 Nov 2024 2:04 pm

Tgt Ion:167 Resp: 88161

Ion	Ratio	Lower	Upper
167	100		
72	98.5	109.7	164.5#
165	54.2	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP91123.D	Operator	: Dakota:ek
Date Inj'd	: 11/23/2024 2:04 pm	Instrument	: Dakota
Sample	: wg2001490-4,32,,AP9 11152	Quant Date	: 11/23/2024 2:22 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241123RVT\
Data File : ADP1123.D
Acq On : 23 Nov 2024 2:26 pm
Operator : Dakota:ek
Sample : wg2001490-5,32,,ADP 11153 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 23 14:43:46 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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		0.381	0.404	-6.0	95	0.00
35	T	n-Decane		1.048	1.122	-7.1	97	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	111	0.00
89	T	Atrazine		0.343	0.362	-5.5	117	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	119	0.00
103	T	n-Octadecane		0.334	0.343	-2.7	123	0.00
104	T	Parathion	*	5.000	4.990	0.2	133	0.00
105	T	3,3'-Dimethylbenzidine		0.728	0.732	-0.5	134	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\241123RVT\
Data File : ADP1123.D
Acq On : 23 Nov 2024 2:26 pm
Operator : Dakota:ek
Sample : wg2001490-5,32,,ADP 11153 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 23 14:43:46 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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...	4.224	152	25764	4.000	ug/ml	0.00
88)	IS3_Acenaphthene-d10	7.154	164	67172	4.000	ug/ml	0.00
102)	IS3_Phenanthrene-d10	8.569	188	159399	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.327	88	13010	5.302	ug/ml#	82
35)	n-Decane	4.130	57	36123	5.350	ug/ml#	31
89)	Atrazine	8.370	200	30359	5.269	ug/ml	91
103)	n-Octadecane	8.584	57	68353	5.140	ug/ml#	1
104)	Parathion	9.367	109	16571	4.990	ug/ml	90
105)	3,3'-Dimethylbenzidine	10.608	212	145837	5.026	ug/ml	99

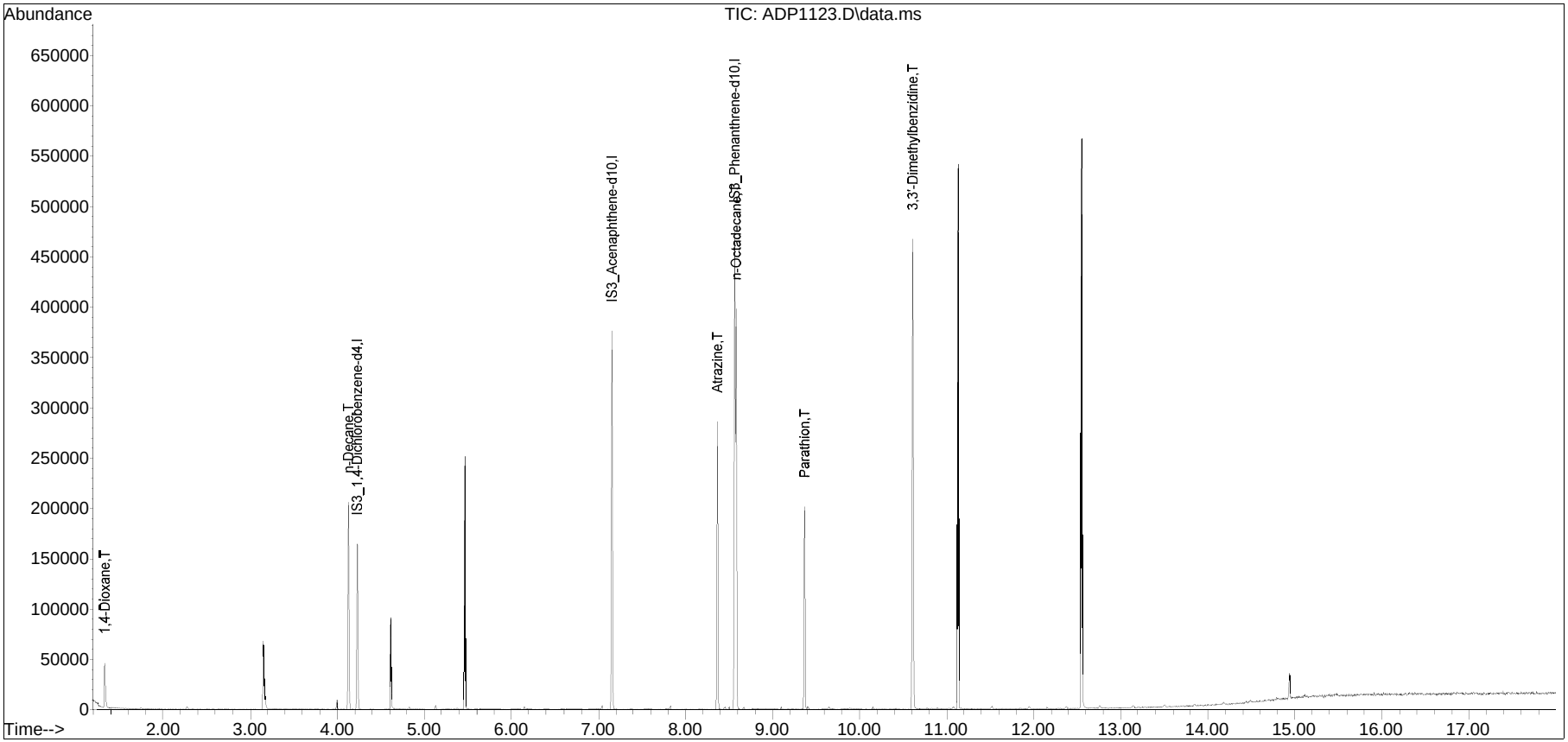
(#) = qualifier out of range (m) = manual integration (+) = signals summed

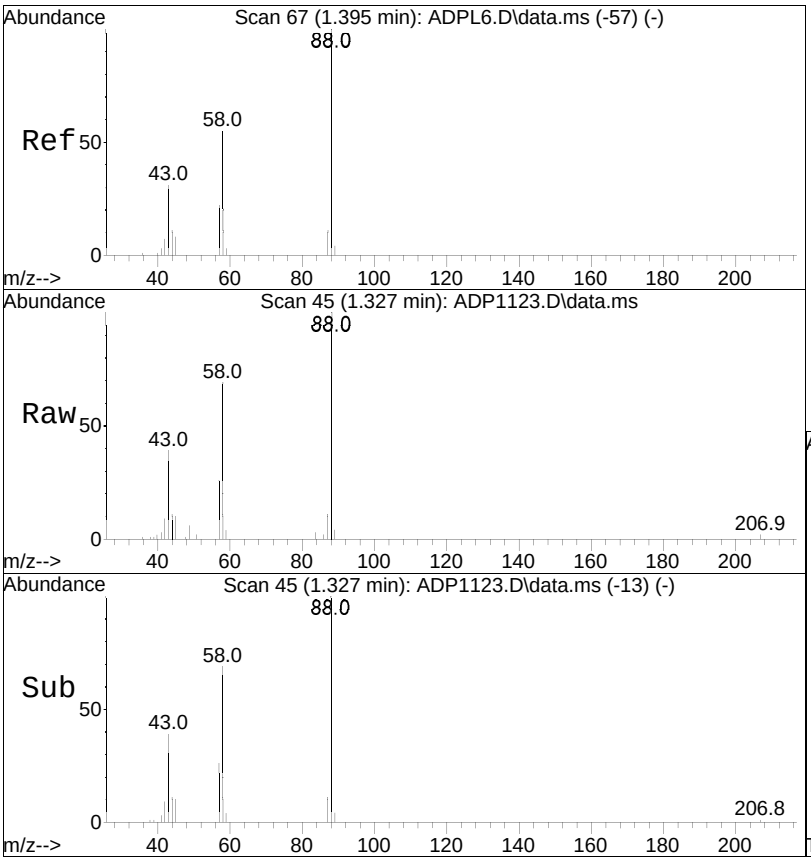
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : ADP1123.D
Acq On : 23 Nov 2024 2:26 pm
Operator : Dakota:ek
Sample : wg2001490-5,32,,ADP 11153 gmr1109B
Misc : wg2001490,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 23 14:43:46 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

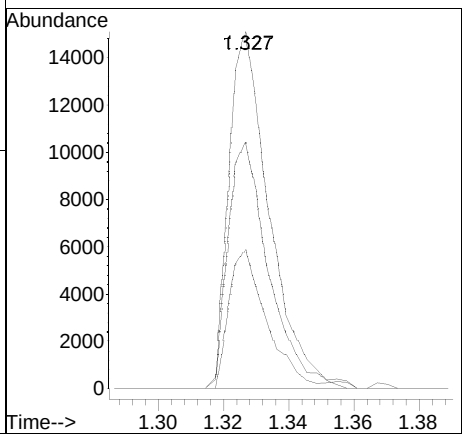


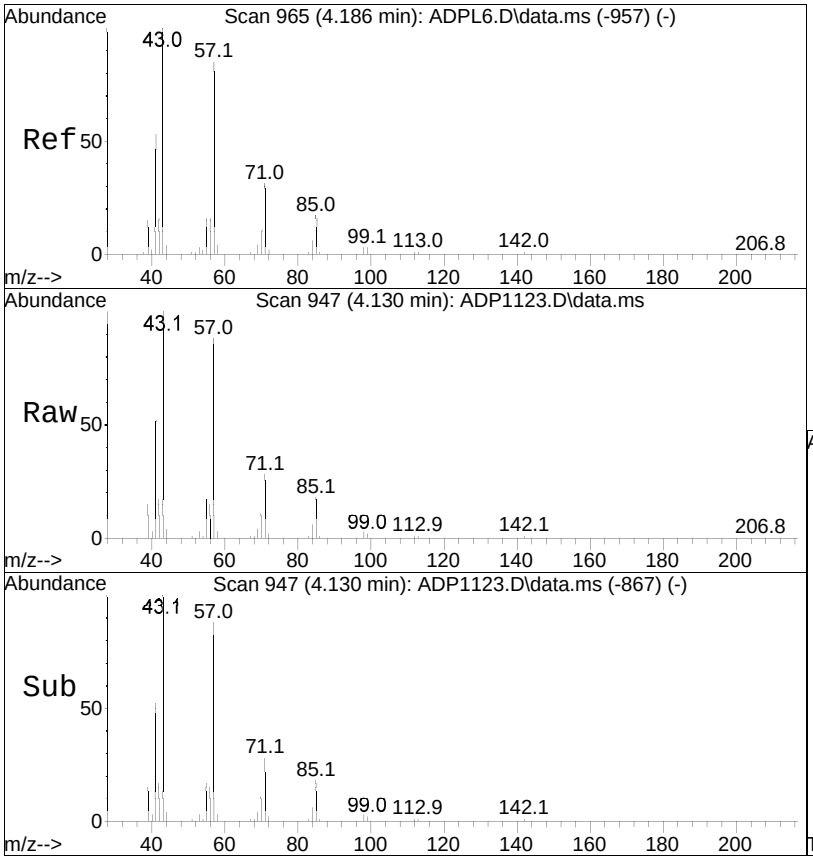


#33
1,4-Dioxane
Concen: 5.30 ug/ml
RT: 1.327 min Scan# 45
Delta R.T. -0.000 min
Lab File: ADP1123.D
Acq: 23 Nov 2024 2:26 pm

Tgt Ion: 88 Resp: 13010

Ion	Ratio	Lower	Upper
88	100		
58	68.9	44.8	67.2#
43	37.5	22.4	33.6#

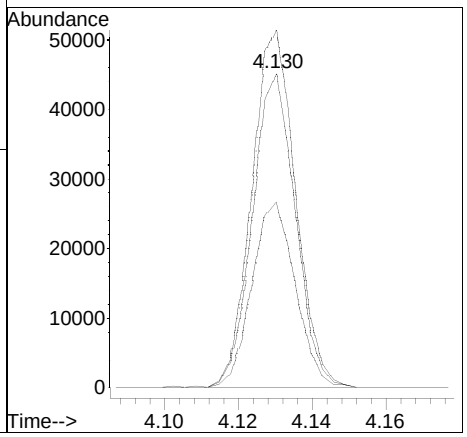


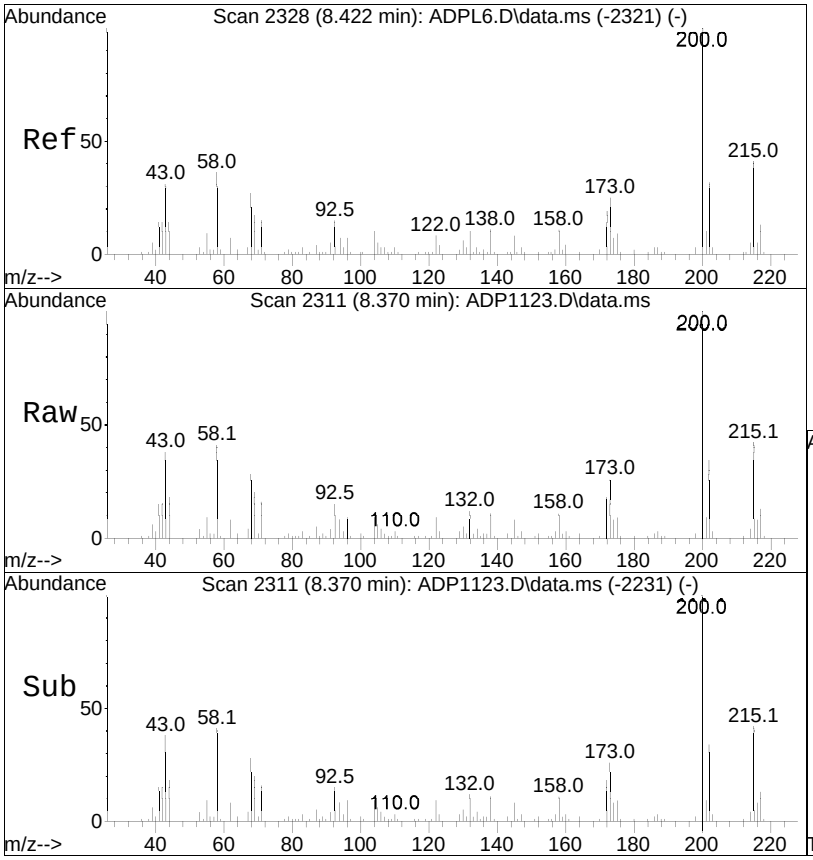


#35
n-Decane
Concen: 5.35 ug/ml
RT: 4.130 min Scan# 947
Delta R.T. -0.000 min
Lab File: ADP1123.D
Acq: 23 Nov 2024 2:26 pm

Tgt Ion: 57 Resp: 36123

Ion	Ratio	Lower	Upper
57	100		
43	116.5	0.2	0.2#
41	60.0	0.2	0.2#

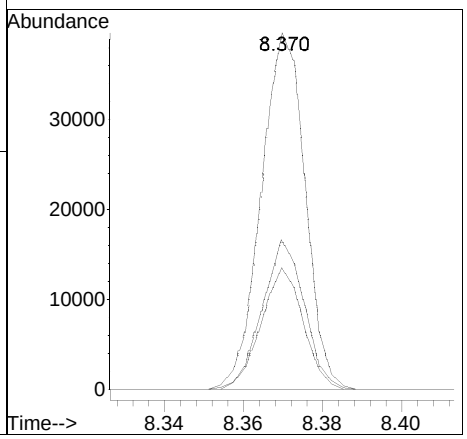


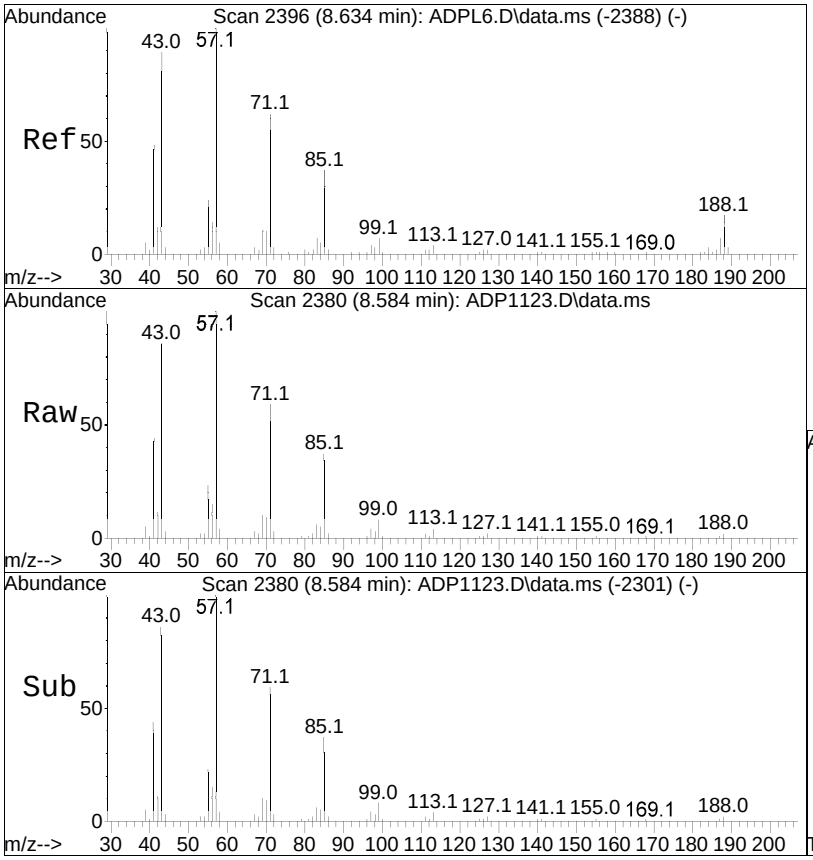


#89
Atrazine
Concen: 5.27 ug/ml
RT: 8.370 min Scan# 2311
Delta R.T. -0.000 min
Lab File: ADP1123.D
Acq: 23 Nov 2024 2:26 pm

Tgt Ion:200 Resp: 30359

Ion	Ratio	Lower	Upper
200	100		
202	32.8	25.8	38.6
215	40.5	40.2	60.4

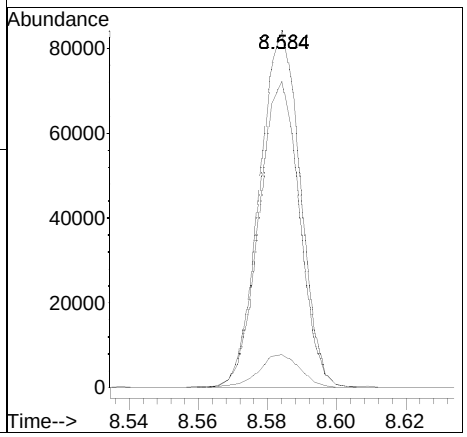


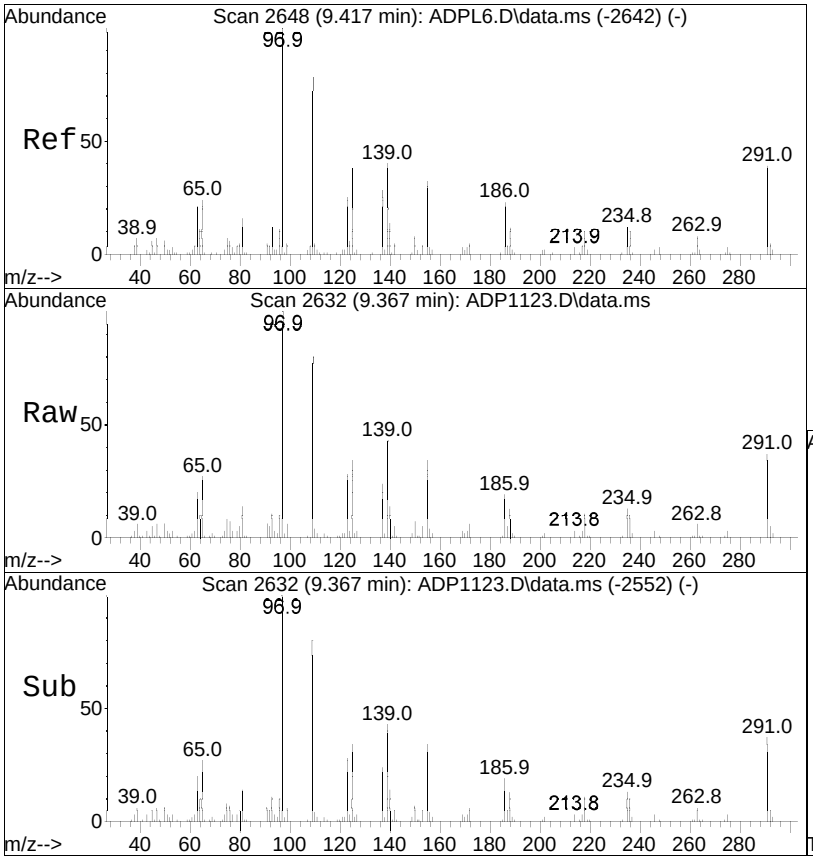


#103
n-Octadecane
Concen: 5.14 ug/ml
RT: 8.584 min Scan# 2380
Delta R.T. -0.003 min
Lab File: ADP1123.D
Acq: 23 Nov 2024 2:26 pm

Tgt Ion: 57 Resp: 68353

Ion	Ratio	Lower	Upper
57	100		
43	85.6	9.0	13.6#
70	9.5	0.2	0.2#

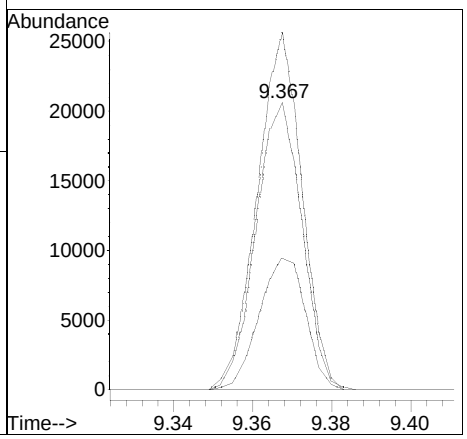


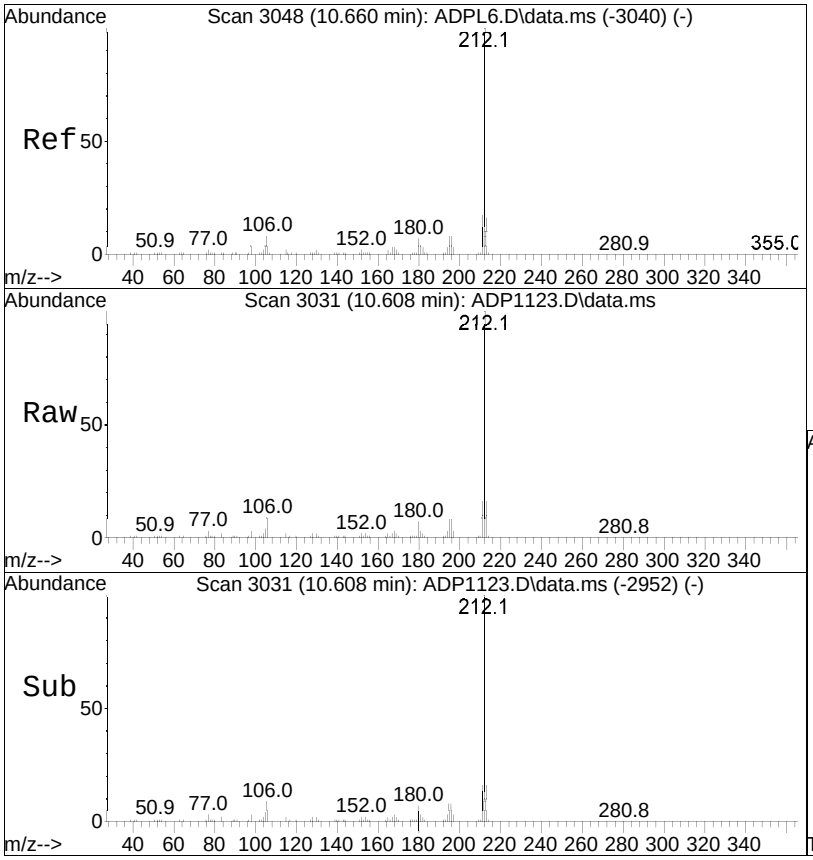


#104
Parathion
Concen: 4.99 ug/ml
RT: 9.367 min Scan# 2632
Delta R.T. -0.000 min
Lab File: ADP1123.D
Acq: 23 Nov 2024 2:26 pm

Tgt Ion:109 Resp: 16571

Ion	Ratio	Lower	Upper
109	100		
97	120.9	87.4	131.2
291	46.7	34.2	51.2

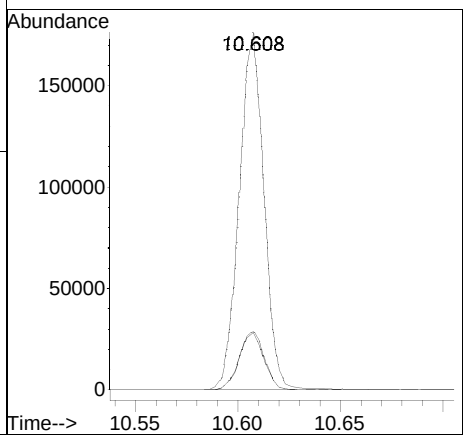




#105
3,3'-Dimethylbenzidine
Concen: 5.03 ug/ml
RT: 10.608 min Scan# 3031
Delta R.T. -0.003 min
Lab File: ADP1123.D
Acq: 23 Nov 2024 2:26 pm

Tgt Ion:212 Resp: 145837

Ion	Ratio	Lower	Upper
212	100		
211	16.7	12.9	19.3
213	16.0	13.2	19.8



Manual Integration Report

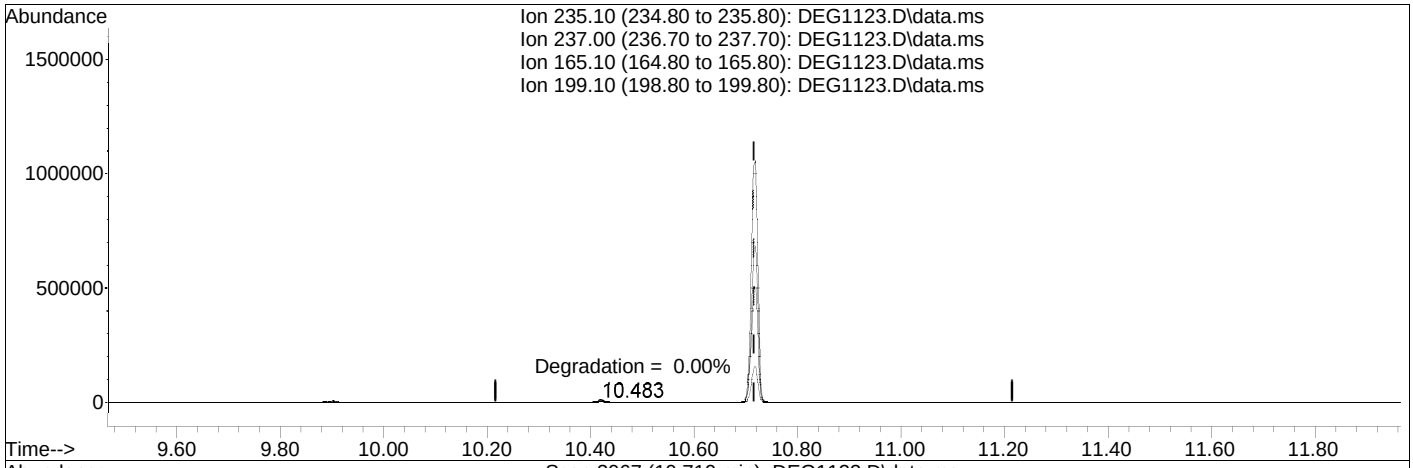
Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP1123.D	Operator	: Dakota:ek
Date Inj'd	: 11/23/2024 2:26 pm	Instrument	: Dakota
Sample	: wg2001490-5,32,,ADP 11153	Quant Date	: 11/23/2024 2:45 pm

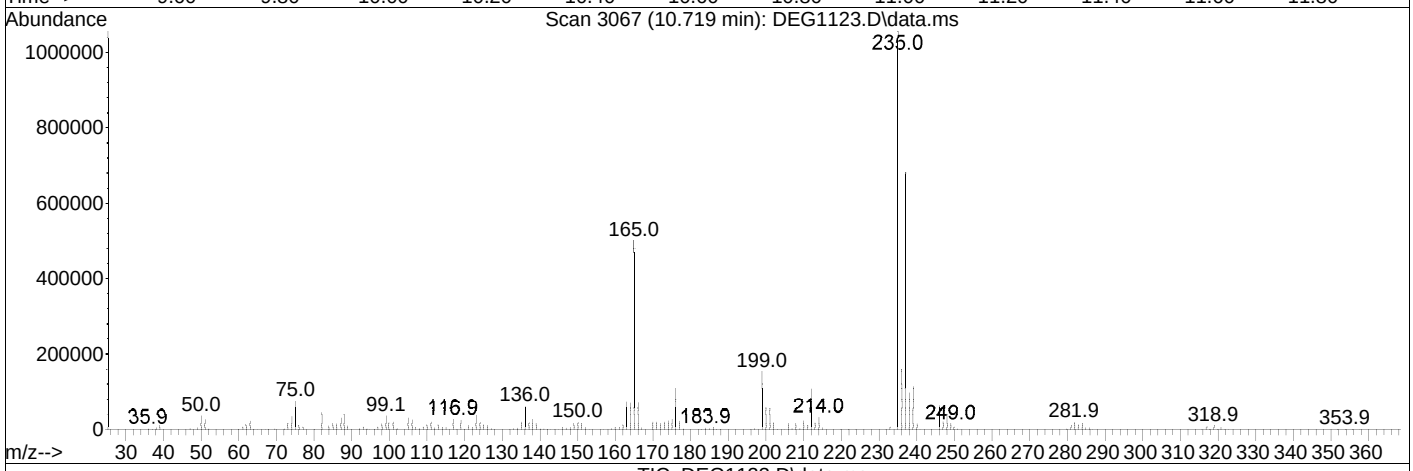
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241123RVT\
Data File : DEG1123.D
Acq On : 23 Nov 2024 1:19 pm
Operator : Dakota:cmm
Sample : WG2001490-2,32,,Degdftpp Lot #11157
Misc : WG2001490,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 23 13:40:19 2024
Quant Method : I:\8270\Dakota\241123RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration





TIC: DEG1123.D\data.ms

(6) DDT (T)

10.719min (+ 0.003) 146.81

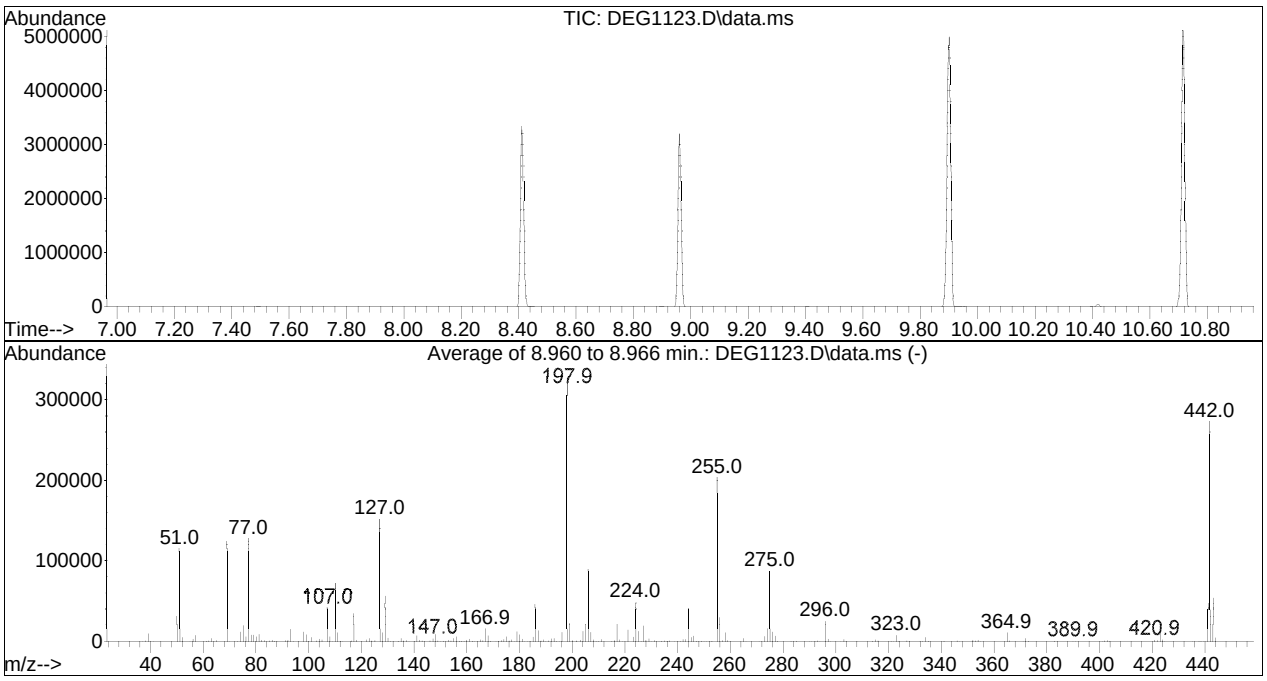
response 894928

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.59
165.10	48.70	48.06
199.10	15.80	14.63

Data Path : I:\8270\Dakota\241123RVT\
Data File : DEG1123.D
Acq On : 23 Nov 2024 1:19 pm
Operator : Dakota:cmm
Sample : WG2001490-1,32,,Degdftpp Lot #11157
Misc : WG2001490,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Nov 22 22:11:46 2024



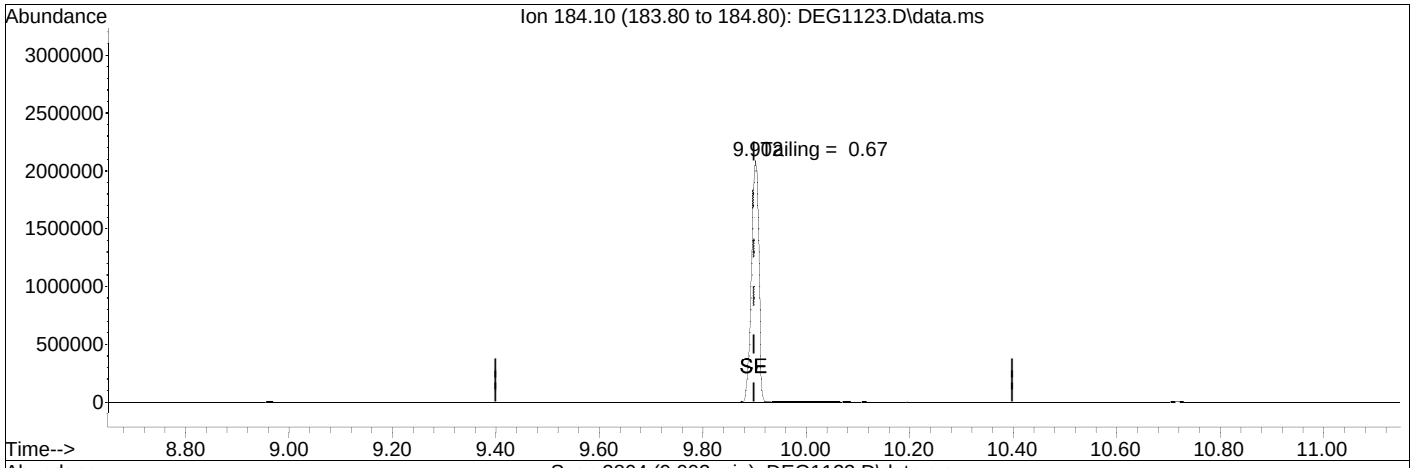
Spectrum Information: Average of 8.960 to 8.966 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.0	114451	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	123725	PASS
70	69	0.00	2	0.4	510	PASS
127	198	10	80	46.3	151600	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	327467	PASS
199	198	5	9	6.8	22315	PASS
275	198	10	60	26.7	87381	PASS
365	198	1	100	3.3	10664	PASS
441	442	0.01	24	17.3	47053	PASS
442	198	50	100	83.2	272405	PASS
443	442	15	24	19.9	54285	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241123RVT\
Data File : DEG1123.D
Acq On : 23 Nov 2024 1:19 pm
Operator : Dakota:cmm
Sample : WG2001490-6,32,,Degdftpp Lot #11157
Misc : WG2001490,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 23 13:40:19 2024
Quant Method : I:\8270\Dakota\241123RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration



TIC: DEG1123.D\data.ms

(3) Benzidine (T)

9.902min (+ 0.003) 189.81

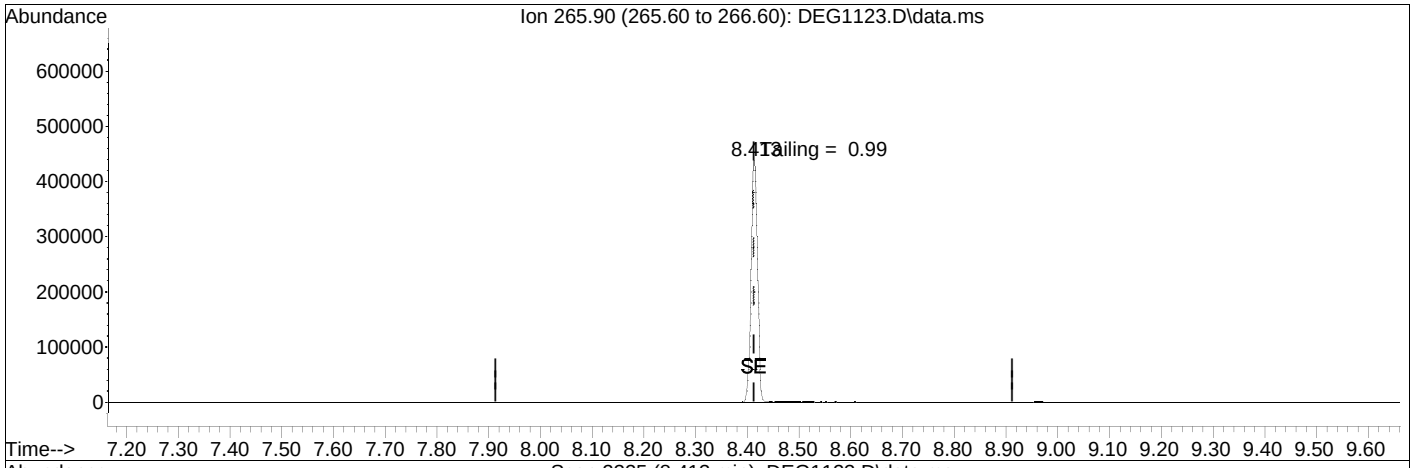
response 1932259

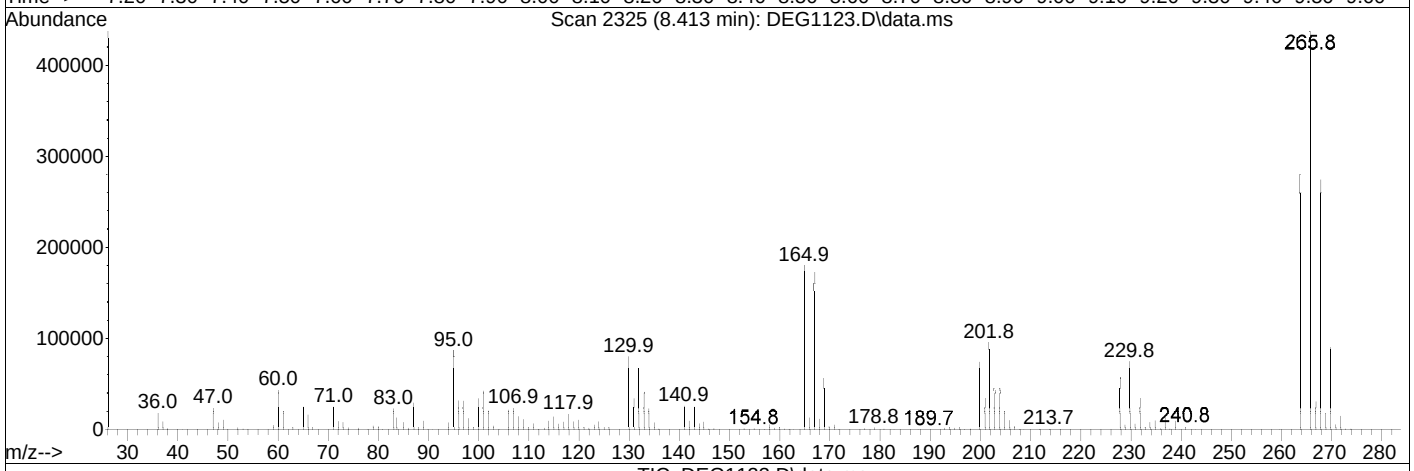
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241123RVT\
Data File : DEG1123.D
Acq On : 23 Nov 2024 1:19 pm
Operator : Dakota:cmm
Sample : WG2001490-7,32,,Degdftpp Lot #11157
Misc : WG2001490,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 23 13:40:19 2024
Quant Method : I:\8270\Dakota\241123RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration





TIC: DEG1123.D\data.ms

(1) Pentachlorophenol (T)

8.413min (+ 0.000) 168.76

response 354464

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**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 13:41		
Lab File ID	: ABN1123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
n-Nitrosodimethylamine	0.63	0.686	-	-8.9	20	102	0
Pyridine	0.954	1.046	-	-9.6	20	95	0
2-Fluorophenol	1.028	0.992	-	3.5	20	91	0
Aniline	1.567	1.635	-	-4.3	20	98	0
2-Chlorophenol	1.225	1.224	-	0.1	20	93	0
Phenol-d6	1.317	1.347	-	-2.3	20	97	0
Phenol	1.421	1.455	-	-2.4	20	97	0
Bis(2-chloroethyl)ether	1.017	1.037	-	-2	20	98	0
1,3-Dichlorobenzene	1.577	1.486	-	5.8	20	91	0
1,4-Dichlorobenzene	1.61	1.531	-	4.9	20	92	0
1,2-Dichlorobenzene	1.534	1.481	-	3.5	20	93	0
Benzyl alcohol	0.93	0.961	-	-3.3	20	97	0
Bis(2-chloroisopropyl)ethe	1.794	1.862	-	-3.8	20	101	0
2-Methylphenol	1.079	1.096	-	-1.6	20	100	0
Hexachloroethane	0.589	0.523	-	11.2	20	89	0
n-Nitrosodi-n-propylamine	0.863	0.873	-	-1.2	20	99	0
3-Methylphenol/4-Methylphe	1.182	1.218	-	-3	20	102	0
Nitrobenzene-d5	1.195	1.271	-	-6.4	20	100	0
Nitrobenzene	1.222	1.308	-	-7	20	100	0
Isophorone	2.247	2.337	-	-4	20	99	0
2-Nitrophenol	0.619	0.679	-	-9.7	20	105	0
2,4-Dimethylphenol	1.101	1.118	-	-1.5	20	97	0
Bis(2-chloroethoxy)methane	1.4	1.441	-	-2.9	20	98	0
2,4-Dichlorophenol	1.285	1.288	-	-0.2	20	96	0
1,2,4-Trichlorobenzene	1.555	1.473	-	5.3	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	98	0
Naphthalene	1.1	1.016	-	7.6	20	97	0
Benzoic Acid	0.228	0.195	-	14.5	20	93	0
4-Chloroaniline	0.121	0.118	-	2.5	20	98	0
Hexachlorobutadiene	0.258	0.219	-	15.1	20	86	0
p-Chloro-m-cresol	0.29	0.287	-	1	20	101	0
2-Methylnaphthalene	0.761	0.717	-	5.8	20	100	0
1-Methylnaphthalene	0.242	0.224	-	7.4	20	95	0
Hexachlorocyclopentadiene	0.272	0.254	-	6.6	20	93	0
2,4,6-Trichlorophenol	0.287	0.294	-	-2.4	20	104	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	103	0
2-Fluorobiphenyl	0.99	0.909	-	8.2	20	98	0
2-Chloronaphthalene	0.852	0.794	-	6.8	20	97	0
2-Nitroaniline	0.218	0.236	-	-8.3	20	107	0
1,4-Dinitrobenzene	0.095	0.11	-	-15.8	20	114	0
1,3-Dinitrobenzene	0.113	0.126	-	-11.5	20	108	0
Dimethyl phthalate	0.991	0.957	-	3.4	20	102	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 13:41		
Lab File ID	: ABN1123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.232	-	1.6	20	102	0
2,6-Dinitrotoluene	0.185	0.193	-	-4.3	20	102	0
1,2-Dinitrobenzene	0.066	0.073	-	-10.6	20	102	0
IS1_Acenaphthene-d10	1	1	-	0	20	104	0
3-Nitroaniline	0.309	0.333	-	-7.8	20	112	0
Acenaphthene	1.163	1.032	-	11.3	20	101	0
2,4-Dinitrophenol	0.188	0.166	-	11.7	20	100	0
Dibenzofuran	2.006	1.821	-	9.2	20	104	0
2,4-Dinitrotoluene	0.387	0.417	-	-7.8	20	108	0
4-Nitrophenol	0.23	0.258	-	-12.2	20	115	0
2,3,5,6-Tetrachlorophenol	0.436	0.439	-	-0.7	20	107	0
2,3,4,6-Tetrachlorophenol	0.428	0.42	-	1.9	20	106	0
Diethyl phthalate	1.575	1.416	-	10.1	20	103	0
Fluorene	1.536	1.411	-	8.1	20	103	0
4-Chlorophenyl phenyl ethe	0.792	0.699	-	11.7	20	101	0
4-Nitroaniline	0.299	0.353	-	-18.1	20	117	0
4,6-Dinitro-o-cresol	0.234	0.247	-	-5.6	20	106	0
NDPA/DPA	1.337	1.238	-	7.4	20	106	0
Azobenzene	1.281	1.239	-	3.3	20	106	0
2,4,6-Tribromophenol	0.286	0.285	-	0.3	20	109	0
4-Bromophenyl phenyl ether	0.522	0.465	-	10.9	20	102	0
Hexachlorobenzene	0.656	0.582	-	11.3	20	103	0
Pentachlorophenol	0.356	0.388	-	-9	20	113	0
IS1_Phenanthrene-d10	1	1	-	0	20	107	0
Phenanthrene	1.183	1.078	-	8.9	20	106	0
Anthracene	1.16	1.09	-	6	20	108	0
Carbazole	1.064	1.056	-	0.8	20	111	0
Di-n-butylphthalate	1.207	1.142	-	5.4	20	103	0
Fluoranthene	1.422	1.334	-	6.2	20	108	0
Benzidine	0.772	0.816	-	-5.7	20	109	0
Pyrene	1.52	1.465	-	3.6	20	110	0
4-Terphenyl-d14	1.157	1.066	-	7.9	20	107	0
Butyl benzyl phthalate	0.517	0.53	-	-2.5	20	109	0
IS1_Chrysene-d12	1	1	-	0	20	113	0
Benzo(a)anthracene	1.355	1.24	-	8.5	20	112	0
3,3'-Dichlorobenzidine	0.505	0.495	-	2	20	111	0
Chrysene	1.349	1.189	-	11.9	20	110	0
Bis(2-ethylhexyl)phthalate	0.726	0.692	-	4.7	20	107	0
Di-n-octylphthalate	1.212	1.162	-	4.1	20	108	0
Benzo(b)fluoranthene	1.42	1.329	-	6.4	20	115	0
Benzo(k)fluoranthene	1.383	1.348	-	2.5	20	113	0
Benzo(a)pyrene	1.267	1.237	-	2.4	20	114	0
IS1_Perylene-d12	1	1	-	0	20	116	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/23/24 13:41	
Lab File ID	: ABN1123		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2001490-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.149	-	6.9	20	114	0
Dibenzo(a,h)anthracene	1.213	1.126	-	7.2	20	111	0
Benzo(ghi)perylene	1.192	1.11	-	6.9	20	115	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 14:04		
Lab File ID	: AP91123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	88	0
Benzaldehyde	0.703	0.766	-	-9	20	88	0
Acetophenone	1.403	1.626	-	-15.9	20	97	0
m-Toluidine	1.287	1.445	-	-12.3	20	96	0
2-Chloroaniline	1.368	1.574	-	-15.1	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.241	-	-9	20	102	0
3-Chloroaniline	0.115	0.122	-	-6.1	20	97	0
2,6-Dichlorophenol	0.296	0.322	-	-8.8	20	101	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	103	0
Caprolactam	0.123	0.135	-	-9.8	20	106	0
1,2,4,5-Tetrachlorobenzene	0.413	0.417	-	-1	20	95	0
Biphenyl	0.842	0.9	-	-6.9	20	100	0
IS2_Acenaphthene-d10	1	1	-	0	20	104	0
Dichloran	0.169	0.196	-	-16	20	124	0
Pentachloronitrobenzene	0.187	0.189	-	-1.1	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	113	0
Diphenamid	0.416	0.438	-	-5.3	20	114	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/23/24 14:26	
Lab File ID	: ADP1123		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2001490-5		**Init. Calib. Times**	: 16:59	04:17
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	0.381	0.404	-	-6	20	95	0
n-Decane	1.048	1.122	-	-7.1	20	97	0
IS3_Acenaphthene-d10	1	1	-	0	20	111	0
Atrazine	0.343	0.362	-	-5.5	20	117	0
IS3_Phenanthrene-d10	1	1	-	0	20	119	0
n-Octadecane	0.334	0.343	-	-2.7	20	123	0
Parathion	5	4.99	-	0.2	20	133	0
3,3'-Dimethylbenzidine	0.728	0.732	-	-0.5	20	134	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
n-Nitrosodimethylamine	0.63	0.717	-	-13.8	20	111	0
Pyridine	0.954	1.128	-	-18.2	20	106	0
2-Fluorophenol	1.028	1.093	-	-6.3	20	104	0
Aniline	1.567	1.723	-	-10	20	107	0
2-Chlorophenol	1.225	1.301	-	-6.2	20	103	0
Phenol-d6	1.317	1.434	-	-8.9	20	107	0
Phenol	1.421	1.567	-	-10.3	20	108	0
Bis(2-chloroethyl)ether	1.017	1.095	-	-7.7	20	107	0
1,3-Dichlorobenzene	1.577	1.613	-	-2.3	20	102	0
1,4-Dichlorobenzene	1.61	1.638	-	-1.7	20	102	0
1,2-Dichlorobenzene	1.534	1.609	-	-4.9	20	105	0
Benzyl alcohol	0.93	0.978	-	-5.2	20	103	0
Bis(2-chloroisopropyl)ethe	1.794	1.946	-	-8.5	20	109	0
2-Methylphenol	1.079	1.151	-	-6.7	20	109	0
Hexachloroethane	0.589	0.587	-	0.3	20	103	0
n-Nitrosodi-n-propylamine	0.863	0.869	-	-0.7	20	102	0
3-Methylphenol/4-Methylphe	1.182	1.225	-	-3.6	20	106	0
Nitrobenzene-d5	1.195	1.304	-	-9.1	20	106	0
Nitrobenzene	1.222	1.344	-	-10	20	107	0
Isophorone	2.247	2.26	-	-0.6	20	100	0
2-Nitrophenol	0.619	0.7	-	-13.1	20	112	0
2,4-Dimethylphenol	1.101	1.134	-	-3	20	102	0
Bis(2-chloroethoxy)methane	1.4	1.421	-	-1.5	20	100	0
2,4-Dichlorophenol	1.285	1.306	-	-1.6	20	100	0
1,2,4-Trichlorobenzene	1.555	1.528	-	1.7	20	99	0
IS1_Naphthalene-d8	1	1	-	0	20	98	0
Naphthalene	1.1	1.08	-	1.8	20	103	0
Benzoic Acid	0.228	0.159	-	30.3*	20	76	0
4-Chloroaniline	0.121	0.119	-	1.7	20	98	0
Hexachlorobutadiene	0.258	0.24	-	7	20	94	0
p-Chloro-m-cresol	0.29	0.289	-	0.3	20	101	0
2-Methylnaphthalene	0.761	0.738	-	3	20	103	0
1-Methylnaphthalene	0.242	0.234	-	3.3	20	98	0
Hexachlorocyclopentadiene	0.272	0.262	-	3.7	20	95	0
2,4,6-Trichlorophenol	0.287	0.28	-	2.4	20	98	0
2,4,5-Trichlorophenol	0.32	0.309	-	3.4	20	100	0
2-Fluorobiphenyl	0.99	0.903	-	8.8	20	97	0
2-Chloronaphthalene	0.852	0.808	-	5.2	20	99	0
2-Nitroaniline	0.218	0.223	-	-2.3	20	100	0
1,4-Dinitrobenzene	0.095	0.105	-	-10.5	20	108	0
1,3-Dinitrobenzene	0.113	0.12	-	-6.2	20	102	0
Dimethyl phthalate	0.991	0.895	-	9.7	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.198	-	4.3	20	99	0
2,6-Dinitrotoluene	0.185	0.186	-	-0.5	20	98	0
1,2-Dinitrobenzene	0.066	0.072	-	-9.1	20	101	0
IS1_Acenaphthene-d10	1	1	-	0	20	95	0
3-Nitroaniline	0.309	0.338	-	-9.4	20	104	0
Acenaphthene	1.163	1.091	-	6.2	20	98	0
2,4-Dinitrophenol	0.188	0.157	-	16.5	20	87	0
Dibenzofuran	2.006	1.925	-	4	20	100	0
2,4-Dinitrotoluene	0.387	0.426	-	-10.1	20	101	0
4-Nitrophenol	0.23	0.265	-	-15.2	20	108	0
2,3,5,6-Tetrachlorophenol	0.436	0.447	-	-2.5	20	100	0
2,3,4,6-Tetrachlorophenol	0.428	0.435	-	-1.6	20	100	0
Diethyl phthalate	1.575	1.438	-	8.7	20	95	0
Fluorene	1.536	1.466	-	4.6	20	98	0
4-Chlorophenyl phenyl ethe	0.792	0.721	-	9	20	95	0
4-Nitroaniline	0.299	0.359	-	-20.1*	20	109	0
4,6-Dinitro-o-cresol	0.234	0.24	-	-2.6	20	95	0
NDPA/DPA	1.337	1.278	-	4.4	20	100	0
Azobenzene	1.281	1.284	-	-0.2	20	101	0
2,4,6-Tribromophenol	0.286	0.286	-	0	20	100	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	96	0
Hexachlorobenzene	0.656	0.576	-	12.2	20	94	0
Pentachlorophenol	0.356	0.399	-	-12.1	20	106	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.183	1.152	-	2.6	20	99	0
Anthracene	1.16	1.17	-	-0.9	20	101	0
Carbazole	1.064	1.125	-	-5.7	20	103	0
Di-n-butylphthalate	1.207	1.141	-	5.5	20	90	0
Fluoranthene	1.422	1.426	-	-0.3	20	101	0
Benzidine	0.772	0.864	-	-11.9	20	101	0
Pyrene	1.52	1.541	-	-1.4	20	101	0
4-Terphenyl-d14	1.157	1.114	-	3.7	20	98	0
Butyl benzyl phthalate	0.517	0.545	-	-5.4	20	98	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.355	1.316	-	2.9	20	106	0
3,3'-Dichlorobenzidine	0.505	0.533	-	-5.5	20	107	0
Chrysene	1.349	1.288	-	4.5	20	106	0
Bis(2-ethylhexyl)phthalate	0.726	0.694	-	4.4	20	95	0
Di-n-octylphthalate	1.212	1.208	-	0.3	20	100	0
Benzo(b)fluoranthene	1.42	1.452	-	-2.3	20	111	0
Benzo(k)fluoranthene	1.383	1.47	-	-6.3	20	109	0
Benzo(a)pyrene	1.267	1.368	-	-8	20	112	0
IS1_Perylene-d12	1	1	-	0	20	106	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.239	-	-0.4	20	113	0
Dibenzo(a,h)anthracene	1.213	1.242	-	-2.4	20	113	0
Benzo(ghi)perylene	1.192	1.221	-	-2.4	20	116	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 09:05		
Lab File ID	: AP91124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-4	**Init. Calib. Times**	: 16:59	04:17	
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	0.703	0.772	-	-9.8	20	92	0
Acetophenone	1.403	1.555	-	-10.8	20	96	0
m-Toluidine	1.287	1.434	-	-11.4	20	98	0
2-Chloroaniline	1.368	1.557	-	-13.8	20	99	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.243	-	-10	20	103	0
3-Chloroaniline	0.115	0.127	-	-10.4	20	101	0
2,6-Dichlorophenol	0.296	0.332	-	-12.2	20	104	0
1-chloro-2-nitrobenzene	0.113	0.129	-	-14.2	20	102	0
Caprolactam	0.123	0.144	-	-17.1	20	113	0
1,2,4,5-Tetrachlorobenzene	0.413	0.406	-	1.7	20	93	0
Biphenyl	0.842	0.898	-	-6.7	20	100	0
IS2_Acenaphthene-d10	1	1	-	0	20	104	0
Dichloran	0.169	0.187	-	-10.7	20	117	0
Pentachloronitrobenzene	0.187	0.187	-	0	20	107	0
IS2_Phenanthrene-d10	1	1	-	0	20	109	0
Diphenamid	0.416	0.432	-	-3.8	20	109	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/24/24 09:27	
Lab File ID	: ADP1124		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2001636-5		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	94	0
1,4-Dioxane	0.381	0.418	-	-9.7	20	98	0
n-Decane	1.048	1.105	-	-5.4	20	95	0
IS3_Acenaphthene-d10	1	1	-	0	20	103	0
Atrazine	0.343	0.329	-	4.1	20	99	0
IS3_Phenanthrene-d10	1	1	-	0	20	108	0
n-Octadecane	0.334	0.32	-	4.2	20	104	0
Parathion	5	4.615	-	7.7	20	111	0
3,3'-Dimethylbenzidine	0.728	0.712	-	2.2	20	118	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 20:52		
Lab File ID	: ABN1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	138	0
n-Nitrosodimethylamine	0.63	0.669	-	-6.2	20	150	0
Pyridine	0.954	1.086	-	-13.8	20	148	0
2-Fluorophenol	1.028	1.034	-	-0.6	20	143	0
Aniline	1.567	1.614	-	-3	20	146	0
2-Chlorophenol	1.225	1.238	-	-1.1	20	142	0
Phenol-d6	1.317	1.359	-	-3.2	20	147	0
Phenol	1.421	1.475	-	-3.8	20	147	0
Bis(2-chloroethyl)ether	1.017	1.018	-	-0.1	20	144	0
1,3-Dichlorobenzene	1.577	1.459	-	7.5	20	134	0
1,4-Dichlorobenzene	1.61	1.468	-	8.8	20	132	0
1,2-Dichlorobenzene	1.534	1.442	-	6	20	136	0
Benzyl alcohol	0.93	1.001	-	-7.6	20	152	0
Bis(2-chloroisopropyl)ethe	1.794	1.857	-	-3.5	20	151	0
2-Methylphenol	1.079	1.097	-	-1.7	20	150	0
Hexachloroethane	0.589	0.546	-	7.3	20	139	0
n-Nitrosodi-n-propylamine	0.863	0.901	-	-4.4	20	154	0
3-Methylphenol/4-Methylphe	1.182	1.194	-	-1	20	149	0
Nitrobenzene-d5	1.195	1.285	-	-7.5	20	151	0
Nitrobenzene	1.222	1.292	-	-5.7	20	149	0
Isophorone	2.247	2.342	-	-4.2	20	149	0
2-Nitrophenol	0.619	0.669	-	-8.1	20	155	0
2,4-Dimethylphenol	1.101	1.038	-	5.7	20	135	0
Bis(2-chloroethoxy)methane	1.4	1.446	-	-3.3	20	148	0
2,4-Dichlorophenol	1.285	1.336	-	-4	20	149	0
1,2,4-Trichlorobenzene	1.555	1.45	-	6.8	20	136	0
IS1_Naphthalene-d8	1	1	-	0	20	149	0
Naphthalene	1.1	0.986	-	10.4	20	143	0
Benzoic Acid	0.228	0.221	-	3.1	20	160	0
4-Chloroaniline	0.121	0.117	-	3.3	20	146	0
Hexachlorobutadiene	0.258	0.222	-	14	20	132	0
p-Chloro-m-cresol	0.29	0.293	-	-1	20	156	0
2-Methylnaphthalene	0.761	0.687	-	9.7	20	146	0
1-Methylnaphthalene	0.242	0.223	-	7.9	20	143	0
Hexachlorocyclopentadiene	0.272	0.212	-	22.1*	20	117	0
2,4,6-Trichlorophenol	0.287	0.284	-	1	20	152	0
2,4,5-Trichlorophenol	0.32	0.313	-	2.2	20	155	0
2-Fluorobiphenyl	0.99	0.879	-	11.2	20	143	0
2-Chloronaphthalene	0.852	0.761	-	10.7	20	142	0
2-Nitroaniline	0.218	0.232	-	-6.4	20	159	0
1,4-Dinitrobenzene	0.095	0.102	-	-7.4	20	161	0
1,3-Dinitrobenzene	0.113	0.123	-	-8.8	20	160	0
Dimethyl phthalate	0.991	0.924	-	6.8	20	149	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 20:52		
Lab File ID	: ABN1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.191	-	4.9	20	150	0
2,6-Dinitrotoluene	0.185	0.193	-	-4.3	20	154	0
1,2-Dinitrobenzene	0.066	0.072	-	-9.1	20	152	0
IS1_Acenaphthene-d10	1	1	-	0	20	153	0
3-Nitroaniline	0.309	0.327	-	-5.8	20	161	0
Acenaphthene	1.163	1.044	-	10.2	20	150	0
2,4-Dinitrophenol	0.188	0.07	-	62.8*	20	62	0
Dibenzofuran	2.006	1.784	-	11.1	20	149	0
2,4-Dinitrotoluene	0.387	0.418	-	-8	20	159	0
4-Nitrophenol	0.23	0.242	-	-5.2	20	158	0
2,3,5,6-Tetrachlorophenol	0.436	0.448	-	-2.8	20	161	0
2,3,4,6-Tetrachlorophenol	0.428	0.429	-	-0.2	20	159	0
Diethyl phthalate	1.575	1.406	-	10.7	20	150	0
Fluorene	1.536	1.398	-	9	20	150	0
4-Chlorophenyl phenyl ethe	0.792	0.678	-	14.4	20	144	0
4-Nitroaniline	0.299	0.342	-	-14.4	20	167	0
4,6-Dinitro-o-cresol	0.234	0.151	-	35.5*	20	96	0
NDPA/DPA	1.337	1.217	-	9	20	152	0
Azobenzene	1.281	1.248	-	2.6	20	157	0
2,4,6-Tribromophenol	0.286	0.291	-	-1.7	20	163	0
4-Bromophenyl phenyl ether	0.522	0.457	-	12.5	20	147	0
Hexachlorobenzene	0.656	0.57	-	13.1	20	149	0
Pentachlorophenol	0.356	0.384	-	-7.9	20	164	0
IS1_Phenanthrene-d10	1	1	-	0	20	156	0
Phenanthrene	1.183	1.055	-	10.8	20	151	0
Anthracene	1.16	1.075	-	7.3	20	155	0
Carbazole	1.064	1.03	-	3.2	20	157	0
Di-n-butylphthalate	1.207	1.147	-	5	20	151	0
Fluoranthene	1.422	1.297	-	8.8	20	153	0
Benzidine	0.772	0.7	-	9.3	20	136	0
Pyrene	1.52	1.379	-	9.3	20	150	0
4-Terphenyl-d14	1.157	1.018	-	12	20	149	0
Butyl benzyl phthalate	0.517	0.533	-	-3.1	20	160	0
IS1_Chrysene-d12	1	1	-	0	20	161	0
Benzo(a)anthracene	1.355	1.225	-	9.6	20	158	0
3,3'-Dichlorobenzidine	0.505	0.49	-	3	20	156	0
Chrysene	1.349	1.156	-	14.3	20	152	0
Bis(2-ethylhexyl)phthalate	0.726	0.693	-	4.5	20	152	0
Di-n-octylphthalate	1.212	1.187	-	2.1	20	157	0
Benzo(b)fluoranthene	1.42	1.303	-	8.2	20	160	0
Benzo(k)fluoranthene	1.383	1.272	-	8	20	151	0
Benzo(a)pyrene	1.267	1.209	-	4.6	20	158	0
IS1_Perylene-d12	1	1	-	0	20	161	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 20:52		
Lab File ID	: ABN1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.138	-	7.8	20	157	0
Dibenzo(a,h)anthracene	1.213	1.093	-	9.9	20	150	0
Benzo(ghi)perylene	1.192	1.083	-	9.1	20	156	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 21:14		
Lab File ID	: AP91125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	81	0
Benzaldehyde	0.703	0.802	-	-14.1	20	85	0
Acetophenone	1.403	1.598	-	-13.9	20	89	0
m-Toluidine	1.287	1.462	-	-13.6	20	90	0
2-Chloroaniline	1.368	1.576	-	-15.2	20	90	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.221	0.244	-	-10.4	20	93	0
3-Chloroaniline	0.115	0.127	-	-10.4	20	90	0
2,6-Dichlorophenol	0.296	0.359	-	-21.3*	20	100	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	93	0
Caprolactam	0.123	0.155	-	-26*	20	109	0
1,2,4,5-Tetrachlorobenzene	0.413	0.41	-	0.7	20	84	0
Biphenyl	0.842	0.917	-	-8.9	20	91	0
IS2_Acenaphthene-d10	1	1	-	0	20	91	0
Dichloran	0.169	0.184	-	-8.9	20	101	0
Pentachloronitrobenzene	0.187	0.187	-	0	20	94	0
IS2_Phenanthrene-d10	1	1	-	0	20	97	0
Diphenamid	0.416	0.426	-	-2.4	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 21:37		
Lab File ID	: ADP1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-5	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	79	0
1,4-Dioxane	0.381	0.394	-	-3.4	20	77	0
n-Decane	1.048	1.089	-	-3.9	20	78	0
IS3_Acenaphthene-d10	1	1	-	0	20	89	0
Atrazine	0.343	0.341	-	0.6	20	89	0
IS3_Phenanthrene-d10	1	1	-	0	20	94	0
n-Octadecane	0.334	0.337	-	-0.9	20	95	0
Parathion	5	4.682	-	6.4	20	99	0
3,3'-Dimethylbenzidine	0.728	0.731	-	-0.4	20	106	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241124RVT\
Data File : ABN1124.D
Acq On : 24 Nov 2024 8:42 am
Operator : Dakota:smz
Sample : wg2001636-3,32,,ABN 11043 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 24 08:59:43 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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	96	0.00
2	t	n-Nitrosodimethylamine	0.630	0.717	-13.8	111	0.00
3	t	Pyridine	0.954	1.128	-18.2	106	0.00
4	S	2-Fluorophenol	1.028	1.093	-6.3	104	0.00
5	T	Aniline	1.567	1.723	-10.0	107	0.00
6	t	2-Chlorophenol	1.225	1.301	-6.2	103	0.00
7	S	Phenol-d6	1.317	1.434	-8.9	107	0.00
8	T	Phenol	1.421	1.567	-10.3	108	0.00
9	T	Bis(2-chloroethyl)ether	1.017	1.095	-7.7	107	0.00
10	T	1,3-Dichlorobenzene	1.577	1.613	-2.3	102	0.00
11	T	1,4-Dichlorobenzene	1.610	1.638	-1.7	102	0.00
12	T	1,2-Dichlorobenzene	1.534	1.609	-4.9	105	0.00
13	t	Benzyl alcohol	0.930	0.978	-5.2	103	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.946	-8.5	109	0.00
15	T	2-Methylphenol	1.079	1.151	-6.7	109	0.00
16	T	Hexachloroethane	0.589	0.587	0.3	103	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.869	-0.7	102	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.225	-3.6	106	0.00
19	S	Nitrobenzene-d5	1.195	1.304	-9.1	106	0.00
20	T	Nitrobenzene	1.222	1.344	-10.0	107	0.00
21	T	Isophorone	2.247	2.260	-0.6	100	0.00
22	T	2-Nitrophenol	0.619	0.700	-13.1	112	0.00
23	T	2,4-Dimethylphenol	1.101	1.134	-3.0	102	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.421	-1.5	100	0.00
25	T	2,4-Dichlorophenol	1.285	1.306	-1.6	100	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.528	1.7	99	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	98	0.00
38	T	Naphthalene	1.100	1.080	1.8	103	0.00
39	T	Benzoic Acid	0.228	0.159	30.3#	76	0.00
40	T	4-Chloroaniline	0.121	0.119	1.7	98	0.00
41	T	Hexachlorobutadiene	0.258	0.240	7.0	94	0.00
42	T	p-Chloro-m-cresol	0.290	0.289	0.3	101	0.00
43	T	2-Methylnaphthalene	0.761	0.738	3.0	103	0.00
44	T	1-Methylnaphthalene	0.242	0.234	3.3	98	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.262	3.7	95	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.280	2.4	98	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.309	3.4	100	0.00
48	S	2-Fluorobiphenyl	0.990	0.903	8.8	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241124RVT\
Data File : ABN1124.D
Acq On : 24 Nov 2024 8:42 am
Operator : Dakota:smz
Sample : wg2001636-3,32,,ABN 11043 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 24 08:59:43 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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)
49	T	2-Chloronaphthalene	0.852	0.808	5.2	99	0.00
50	T	2-Nitroaniline	0.218	0.223	-2.3	100	0.00
51	T	1,4-Dinitrobenzene	0.095	0.105	-10.5	108	0.00
52	T	1,3-Dinitrobenzene	0.113	0.120	-6.2	102	0.00
53	T	Dimethyl phthalate	0.991	0.895	9.7	95	0.00
54	T	Acenaphthylene	1.252	1.198	4.3	99	0.00
55	T	2,6-Dinitrotoluene	0.185	0.186	-0.5	98	0.00
56	T	1,2-Dinitrobenzene	0.066	0.072	-9.1	101	0.00
65	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	95	0.00
66	T	3-Nitroaniline	0.309	0.338	-9.4	104	0.00
67	T	Acenaphthene	1.163	1.091	6.2	98	0.00
68	T	2,4-Dinitrophenol	0.188	0.157	16.5	87	0.00
69	T	Dibenzofuran	2.006	1.925	4.0	100	0.00
70	T	2,4-Dinitrotoluene	0.387	0.426	-10.1	101	0.00
71	T	4-Nitrophenol	0.230	0.265	-15.2	108	0.00
72	T	2,3,5,6-Tetrachlorophenol	0.436	0.447	-2.5	100	0.00
73	T	2,3,4,6-Tetrachlorophenol	0.428	0.435	-1.6	100	0.00
74	T	Diethyl phthalate	1.575	1.438	8.7	95	0.00
75	T	Fluorene	1.536	1.466	4.6	98	0.00
76	T	4-Chlorophenyl phenyl ether	0.792	0.721	9.0	95	0.00
77	T	4-Nitroaniline	0.299	0.359	-20.1#	109	0.00
78	T	4,6-Dinitro-o-cresol	0.234	0.240	-2.6	95	0.00
79	T	NDPA/DPA	1.337	1.278	4.4	100	0.00
80	T	Azobenzene	1.281	1.284	-0.2	101	0.00
81	S	2,4,6-Tribromophenol	0.286	0.286	0.0	100	0.00
82	T	4-Bromophenyl phenyl ether	0.522	0.477	8.6	96	0.00
83	T	Hexachlorobenzene	0.656	0.576	12.2	94	0.00
84	T	Pentachlorophenol	0.356	0.399	-12.1	106	0.00
90	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	94	0.00
91	T	Phenanthrene	1.183	1.152	2.6	99	0.00
92	T	Anthracene	1.160	1.170	-0.9	101	0.00
93	T	Carbazole	1.064	1.125	-5.7	103	0.00
94	T	Di-n-butylphthalate	1.207	1.141	5.5	90	0.00
95	T	Fluoranthene	1.422	1.426	-0.3	101	0.00
96	T	Benzidine	0.772	0.864	-11.9	101	0.00
97	T	Pyrene	1.520	1.541	-1.4	101	0.00
98	S	4-Terphenyl-d14	1.157	1.114	3.7	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241124RVT\
Data File : ABN1124.D
Acq On : 24 Nov 2024 8:42 am
Operator : Dakota:smz
Sample : wg2001636-3,32,,ABN 11043 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 24 08:59:43 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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)
99	T	Butyl benzyl phthalate	0.517	0.545	-5.4	98	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	101	0.00
107	T	Benzo(a)anthracene	1.355	1.316	2.9	106	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.533	-5.5	107	0.00
109	T	Chrysene	1.349	1.288	4.5	106	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.694	4.4	95	0.00
111	T	Di-n-octylphthalate	1.212	1.208	0.3	100	0.00
112	T	Benzo(b)fluoranthene	1.420	1.452	-2.3	111	0.00
113	T	Benzo(k)fluoranthene	1.383	1.470	-6.3	109	0.00
114	T	Benzo(a)pyrene	1.267	1.368	-8.0	112	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	106	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.239	-0.4	113	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.242	-2.4	113	0.00
118	T	Benzo(ghi)perylene	1.192	1.221	-2.4	116	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\241124RVT\
Data File : ABN1124.D
Acq On : 24 Nov 2024 8:42 am
Operator : Dakota:smz
Sample : wg2001636-3,32,,ABN 11043 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 24 08:59:43 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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...	4.223	152	27700	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	5.464	136	104986	4.000	ug/ml	#	0.00
65) IS1_Acenaphthene-d10	7.154	164	66238	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	8.565	188	140148	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	11.130	240	174052	4.000	ug/ml		0.00
115) IS1_Perylene-d12	12.547	264	216090	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.924	112	37845	5.314	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 265.70%#				
7) Phenol-d6	3.928	99	49658	5.445	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 272.25%#				
19) Nitrobenzene-d5	4.777	82	45166	5.458	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 545.80%#				
48) 2-Fluorobiphenyl	6.539	172	118540	4.562	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 456.20%#				
81) 2,4,6-Tribromophenol	7.913	330	23680	5.001	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 250.05%#				
98) 4-Terphenyl-d14	10.135	244	195183	4.813	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 481.30%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.529	74	24826	5.688	ug/ml		80
3) Pyridine	1.557	79	39053	5.912	ug/ml#		60
5) Aniline	3.906	93	59676	5.500	ug/ml		97
6) 2-Chlorophenol	4.018	128	45044	5.310	ug/ml		91
8) Phenol	3.938	94	54265	5.516	ug/ml		94
9) Bis(2-chloroethyl)ether	4.000	93	37930	5.384	ug/ml#		76
10) 1,3-Dichlorobenzene	4.164	146	55835	5.114	ug/ml		93
11) 1,4-Dichlorobenzene	4.242	146	56714	5.088	ug/ml		94
12) 1,2-Dichlorobenzene	4.388	146	55700	5.242	ug/ml		93
13) Benzyl alcohol	4.394	79	33874	5.259	ug/ml		96
14) Bis(2-chloroisopropyl)...	4.537	45	67366	5.423	ug/ml#		64
15) 2-Methylphenol	4.534	108	39837	5.330	ug/ml		99
16) Hexachloroethane	4.715	117	20320	4.979	ug/ml#		53
17) n-Nitrosodi-n-propylamine	4.665	70	30098	5.038	ug/ml#		86
18) 3-Methylphenol/4-Methy...	4.693	108	42404	5.178	ug/ml		97
20) Nitrobenzene	4.792	77	46528	5.497	ug/ml		96
21) Isophorone	5.038	82	78263	5.030	ug/ml#		94
22) 2-Nitrophenol	5.109	139	24224	5.653	ug/ml#		86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241124RVT\
Data File : ABN1124.D
Acq On : 24 Nov 2024 8:42 am
Operator : Dakota:smz
Sample : wg2001636-3,32,,ABN 11043 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 24 08:59:43 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.203	107	39255	5.150	ug/ml	100
24) Bis(2-chloroethoxy)met...	5.286	93	49195	5.075	ug/ml#	97
25) 2,4-Dichlorophenol	5.352	162	45208	5.080	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.423	180	52898	4.912	ug/ml	94
38) Naphthalene	5.482	128	141752	4.909	ug/ml	100
39) Benzoic Acid	5.286	105	20922	3.500	ug/ml	89
40) 4-Chloroaniline	5.566	65	15673	4.938	ug/ml#	64
41) Hexachlorobutadiene	5.641	225	31560	4.653	ug/ml	99
42) p-Chloro-m-cresol	6.073	107	37895	4.981	ug/ml	91
43) 2-Methylnaphthalene	6.163	142	96906	4.850	ug/ml	95
44) 1-Methylnaphthalene	6.253	115	30644	4.824	ug/ml	93
45) Hexachlorocyclopentadiene	6.334	237	34351	4.808	ug/ml	98
46) 2,4,6-Trichlorophenol	6.455	196	36767	4.888	ug/ml	98
47) 2,4,5-Trichlorophenol	6.483	196	40506	4.816	ug/ml	97
49) 2-Chloronaphthalene	6.623	162	106013	4.738	ug/ml#	92
50) 2-Nitroaniline	6.741	138	29235	5.106	ug/ml#	79
51) 1,4-Dinitrobenzene	6.878	168	13761	5.534	ug/ml	85
52) 1,3-Dinitrobenzene	6.952	168	15730	5.281	ug/ml#	1
53) Dimethyl phthalate	6.949	163	117475	4.517	ug/ml#	97
54) Acenaphthylene	7.011	152	157230	4.785	ug/ml	99
55) 2,6-Dinitrotoluene	6.990	165	24451	5.037	ug/ml#	78
56) 1,2-Dinitrobenzene	7.027	168	9503	5.466	ug/ml#	1
66) 3-Nitroaniline	7.139	138	27965	5.467	ug/ml#	87
67) Acenaphthene	7.185	154	90331	4.690	ug/ml	87
68) 2,4-Dinitrophenol	7.241	184	12982	4.168	ug/ml#	84
69) Dibenzofuran	7.353	168	159390	4.798	ug/ml#	86
70) 2,4-Dinitrotoluene	7.372	165	35273	5.502	ug/ml#	79
71) 4-Nitrophenol	7.341	65	21912	5.747	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.450	232	37024	5.123	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.490	232	36057	5.089	ug/ml	98
74) Diethyl phthalate	7.636	149	119078	4.567	ug/ml	97
75) Fluorene	7.680	166	121392	4.772	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.708	204	59672	4.551	ug/ml#	86
77) 4-Nitroaniline	7.720	138	29735	6.014	ug/ml#	79
78) 4,6-Dinitro-o-cresol	7.757	198	19870	5.127	ug/ml#	60
79) NDPA/DPA	7.826	169	105855	4.783	ug/ml	93
80) Azobenzene	7.854	77	106273	5.011	ug/ml	97
82) 4-Bromophenyl phenyl e...	8.171	248	39482	4.572	ug/ml#	80
83) Hexachlorobenzene	8.214	284	47696	4.388	ug/ml#	80
84) Pentachlorophenol	8.410	266	33038	5.607	ug/ml	99
91) Phenanthrene	8.587	178	201736	4.869	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241124RVT\
Data File : ABN1124.D
Acq On : 24 Nov 2024 8:42 am
Operator : Dakota:smz
Sample : wg2001636-3,32,,ABN 11043 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 24 08:59:43 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	Anthracene	8.637	178	204967	5.043	ug/ml	99
93)	Carbazole	8.811	167	197039	5.283	ug/ml	98
94)	Di-n-butylphthalate	9.218	149	199904	4.728	ug/ml#	98
95)	Fluoranthene	9.725	202	249773	5.012	ug/ml#	92
96)	Benzidine	9.893	184	151359	5.597	ug/ml#	95
97)	Pyrene	9.933	202	269968	5.070	ug/ml	99
99)	Butyl benzyl phthalate	10.651	149	95421	5.269	ug/ml#	82
107)	Benzo(a)anthracene	11.123	228	286339	4.856	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.136	252	115989	5.279	ug/ml#	96
109)	Chrysene	11.158	228	280226	4.774	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.279	149	150923	4.775	ug/ml#	89
111)	Di-n-octylphthalate	11.938	149	262739	4.983	ug/ml#	72
112)	Benzo(b)fluoranthene	12.190	252	315813	5.112	ug/ml#	94
113)	Benzo(k)fluoranthene	12.217	252	319919	5.315	ug/ml#	93
114)	Benzo(a)pyrene	12.491	252	297714	5.400	ug/ml#	93
116)	Indeno(1,2,3-cd)pyrene	13.479	276	334681	5.020	ug/mL#	90
117)	Dibenzo(a,h)anthracene	13.507	278	335610	5.123	ug/ml#	89
118)	Benzo(ghi)perylene	13.691	276	329723	5.120	ug/ml#	87

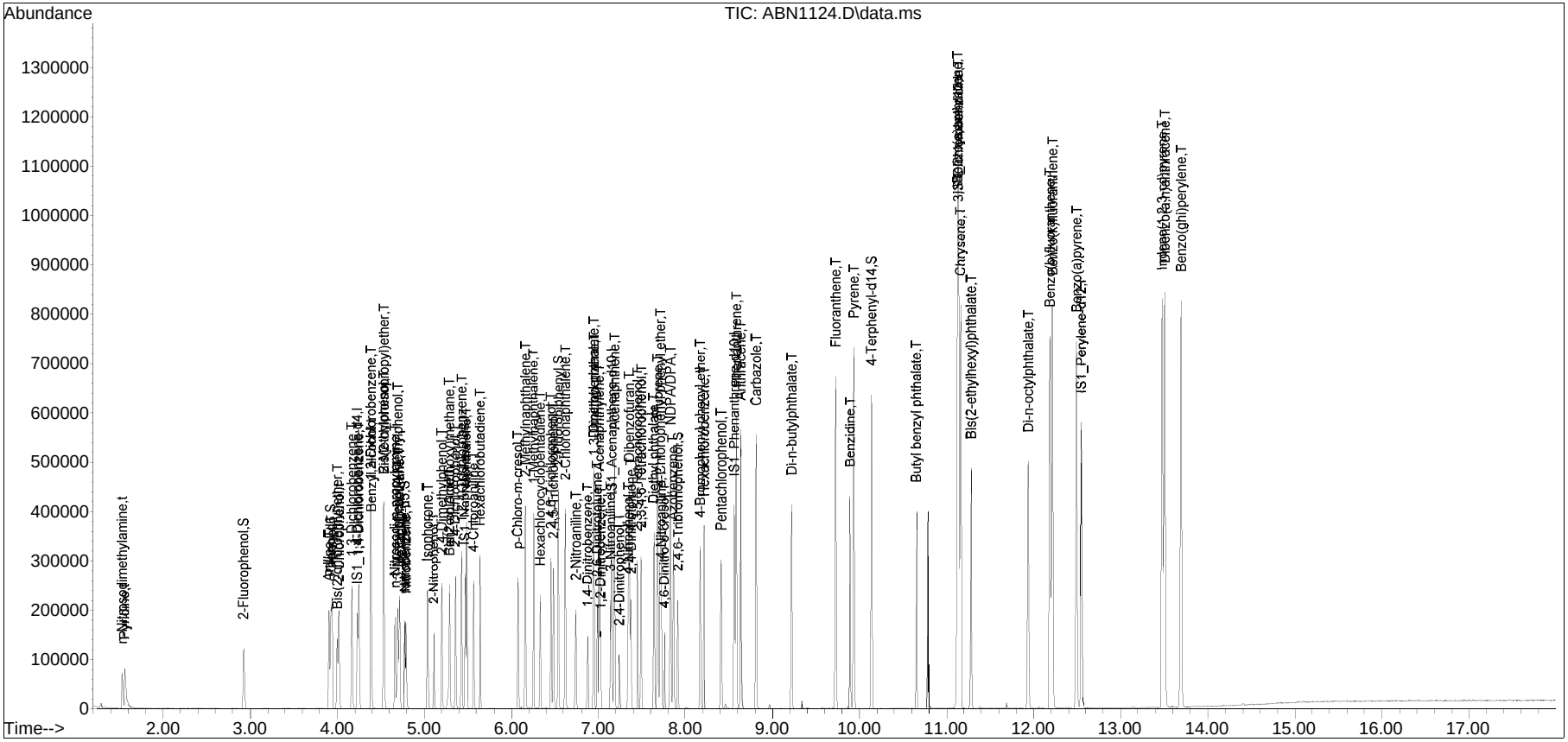
(#) = qualifier out of range (m) = manual integration (+) = signals summed

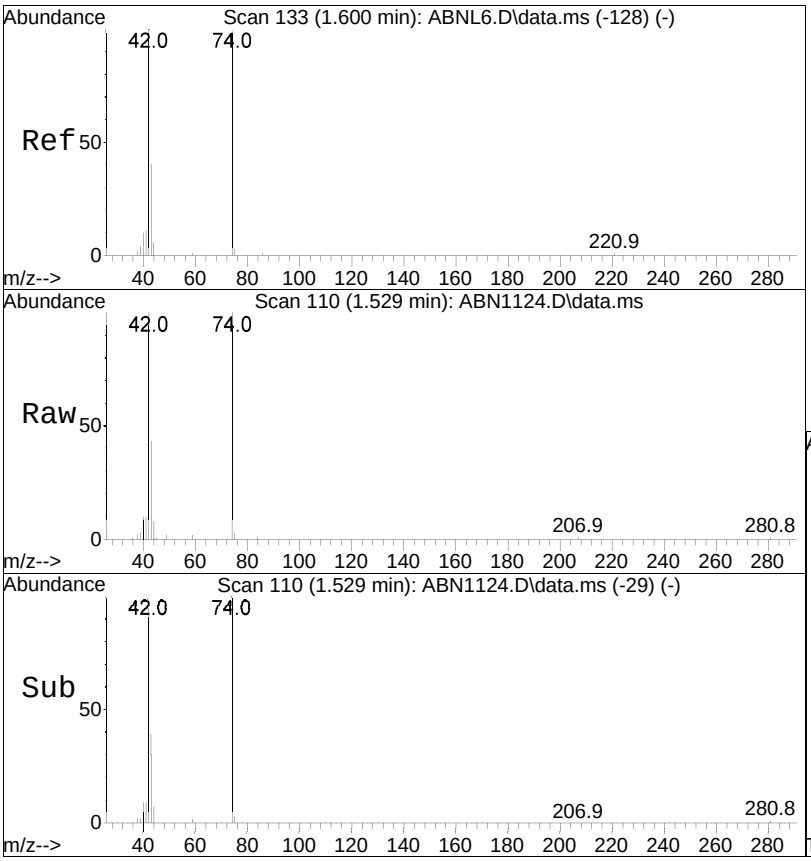
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241124RVT\
Data File : ABN1124.D
Acq On : 24 Nov 2024 8:42 am
Operator : Dakota:smz
Sample : wg2001636-3,32,,ABN 11043 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 24 08:59:43 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

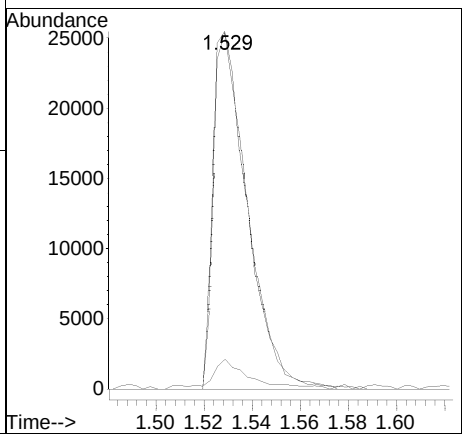


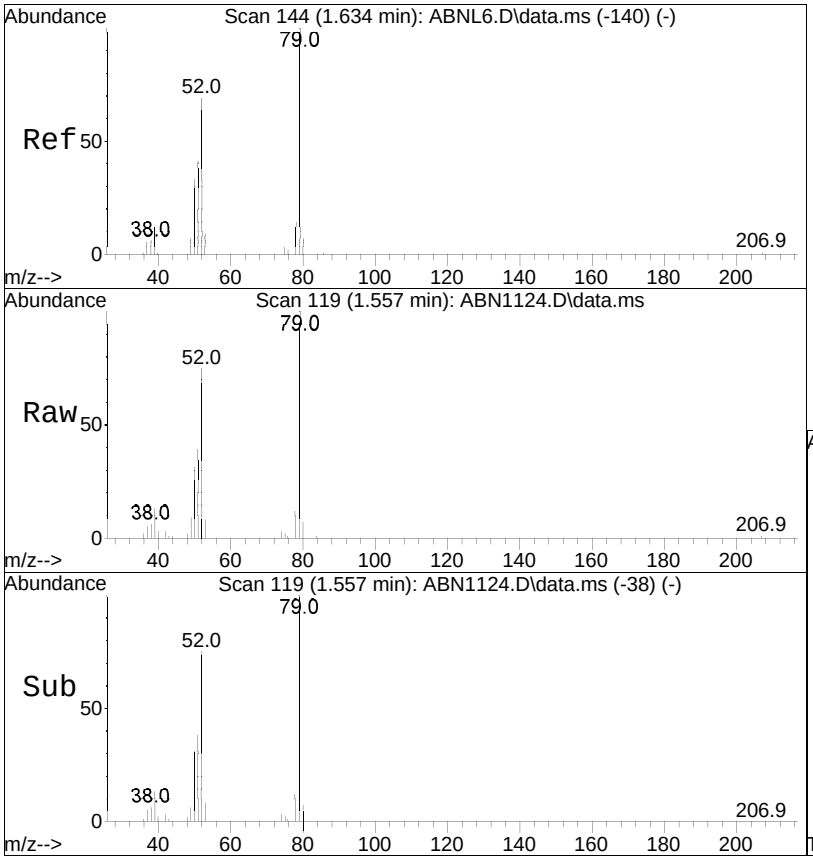


#2
n-Nitrosodimethylamine
Concen: 5.69 ug/ml
RT: 1.529 min Scan# 110
Delta R.T. 0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 74 Resp: 24826

Ion	Ratio	Lower	Upper
74	100		
42	100.6	100.0	150.0
44	8.9	6.7	10.1

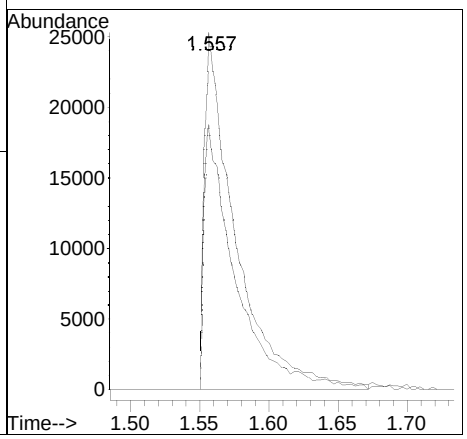


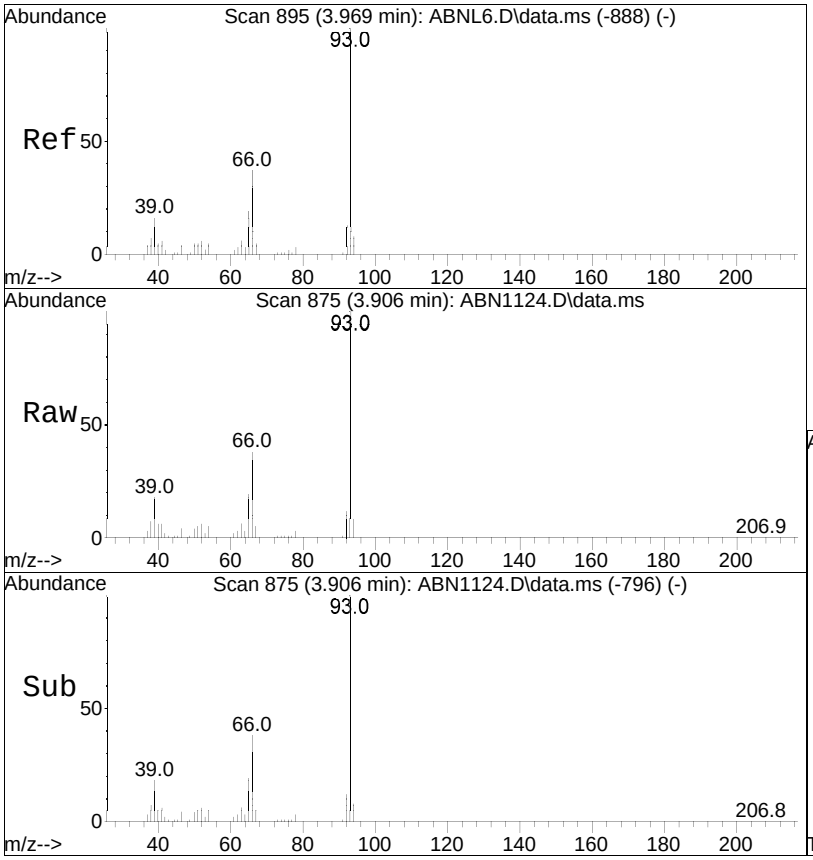


#3
Pyridine
Concen: 5.91 ug/ml
RT: 1.557 min Scan# 119
Delta R.T. 0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 79 Resp: 39053

Ion	Ratio	Lower	Upper
79	100		
52	73.2	93.1	139.7#

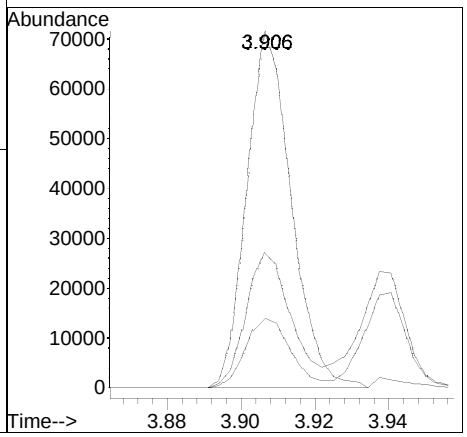


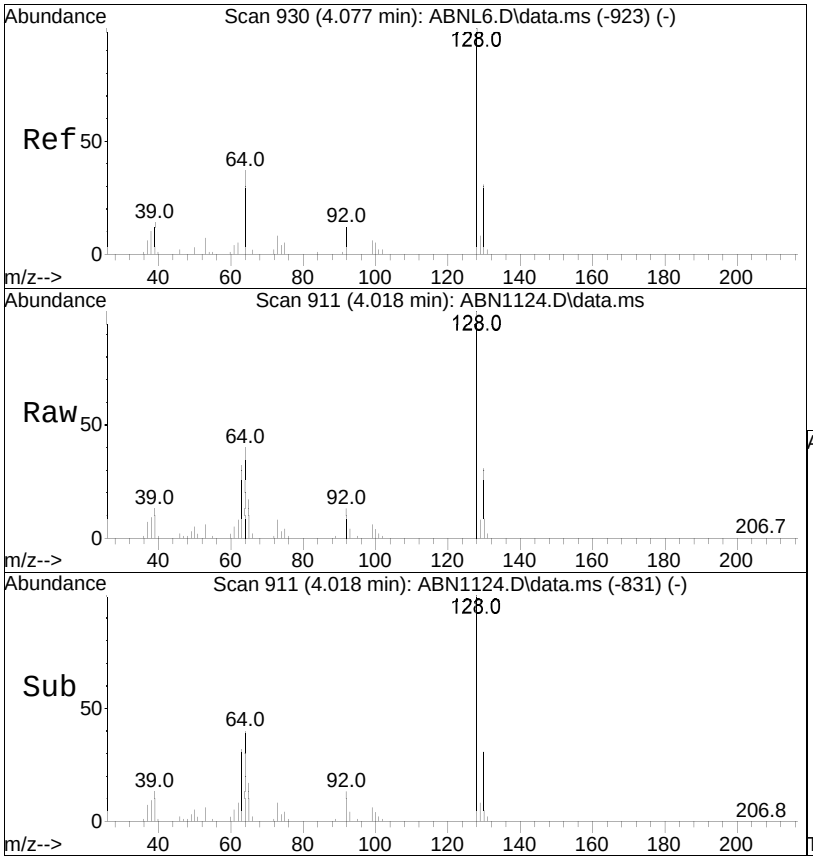


#5
Aniline
Concen: 5.50 ug/ml
RT: 3.906 min Scan# 875
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 93 Resp: 59676

Ion	Ratio	Lower	Upper
93	100		
66	38.9	32.6	49.0
65	19.9	17.6	26.4

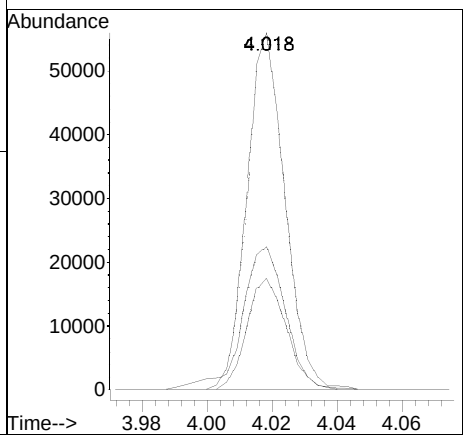


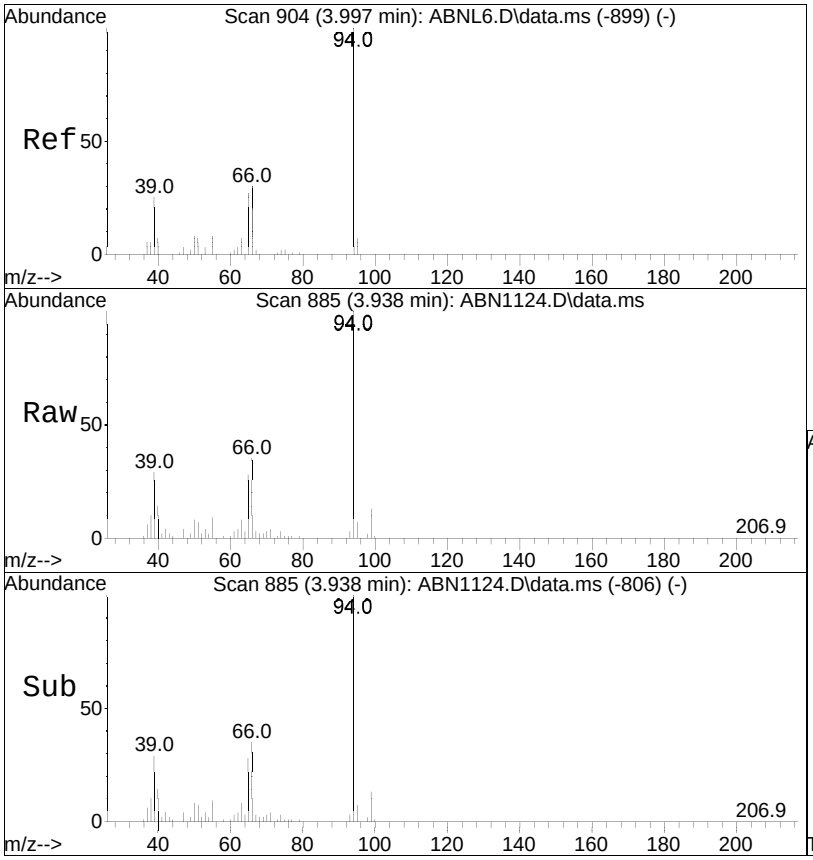


#6
2-Chlorophenol
Concen: 5.31 ug/ml
RT: 4.018 min Scan# 911
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:128 Resp: 45044

Ion	Ratio	Lower	Upper
128	100		
64	45.7	45.1	67.7
130	32.5	26.2	39.4

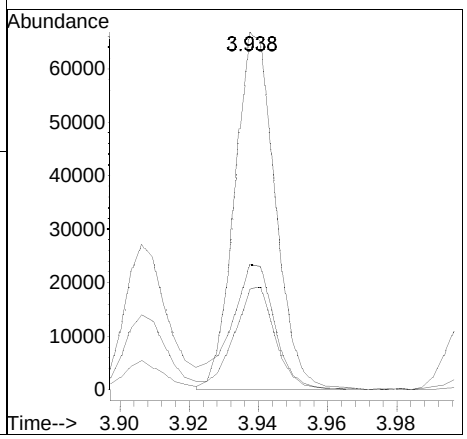


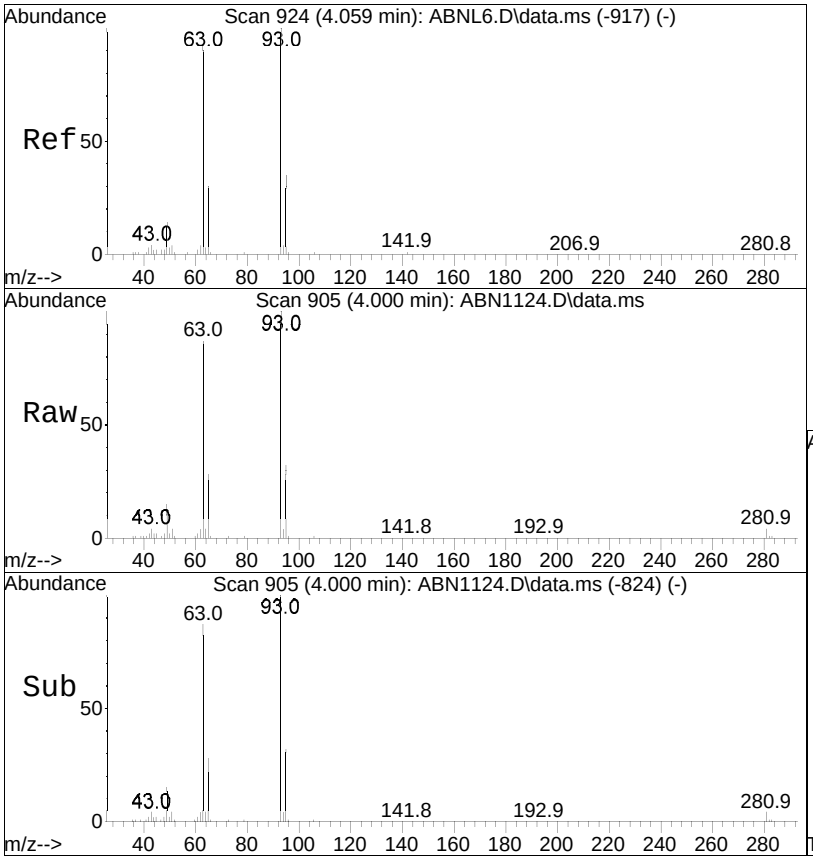


#8
Phenol
Concen: 5.52 ug/ml
RT: 3.938 min Scan# 885
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 94 Resp: 54265

Ion	Ratio	Lower	Upper
94	100		
65	29.2	26.0	39.0
66	38.4	33.8	50.8

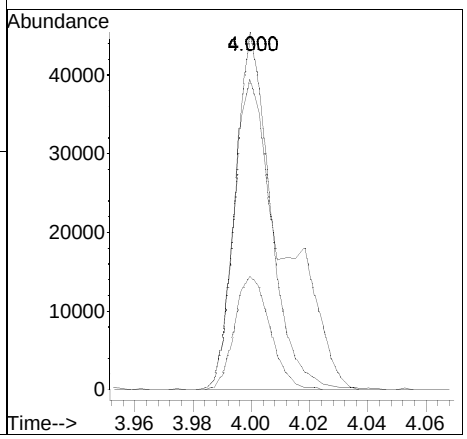


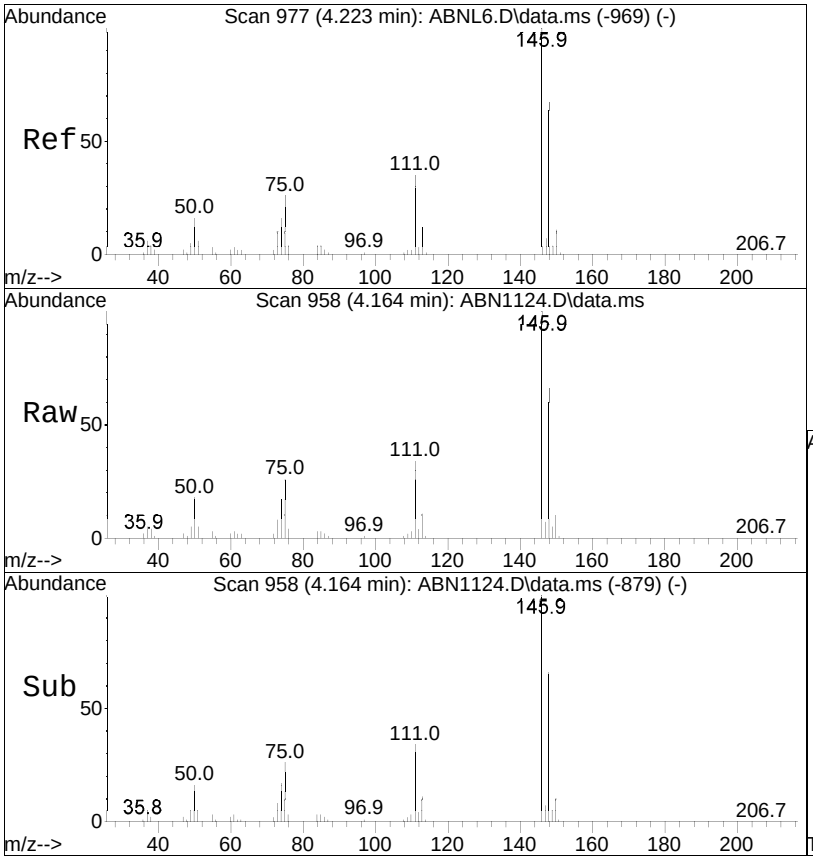


#9
Bis(2-chloroethyl)ether
Concen: 5.38 ug/ml
RT: 4.000 min Scan# 905
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 93 Resp: 37930

Ion	Ratio	Lower	Upper
93	100		
63	124.8	74.6	111.8#
95	32.2	25.9	38.9

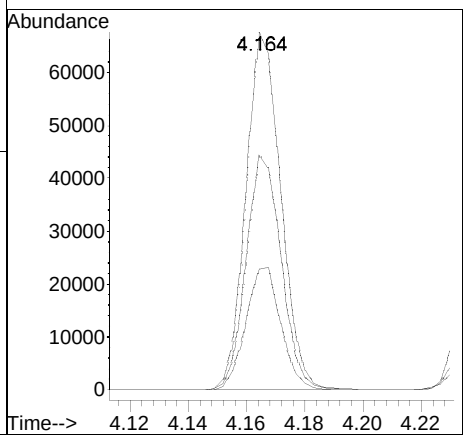


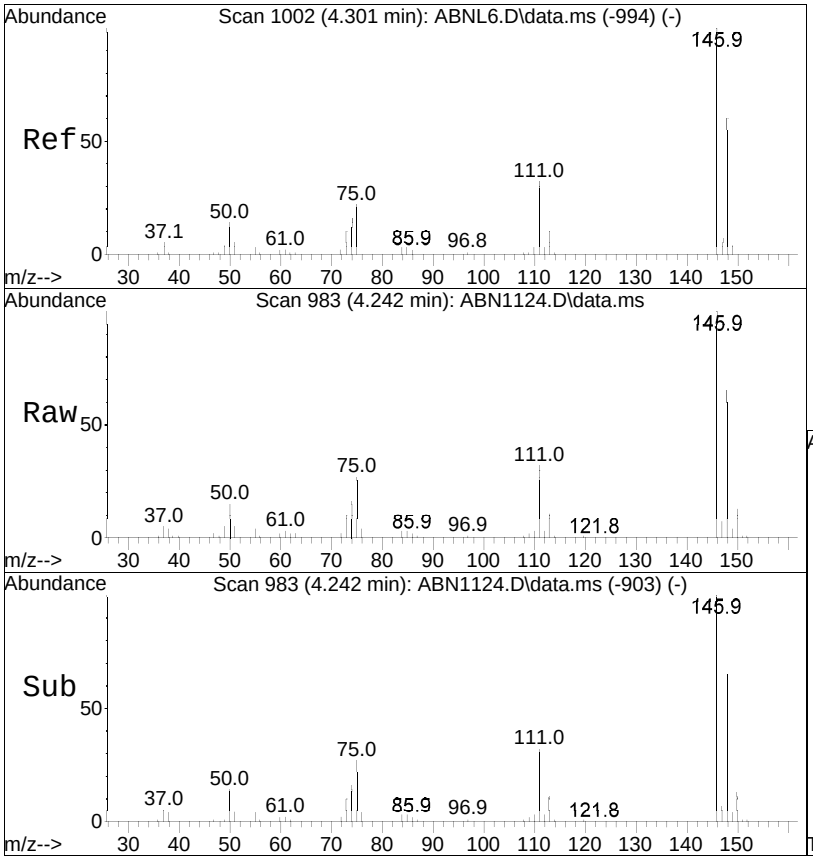


#10
1,3-Dichlorobenzene
Concen: 5.11 ug/ml
RT: 4.164 min Scan# 958
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:146 Resp: 55835

Ion	Ratio	Lower	Upper
146	100		
111	34.5	34.3	51.5
148	66.1	50.8	76.2

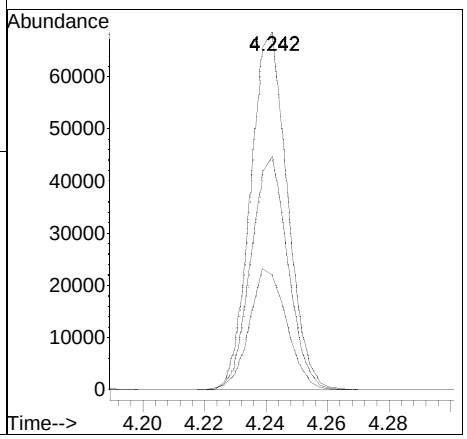


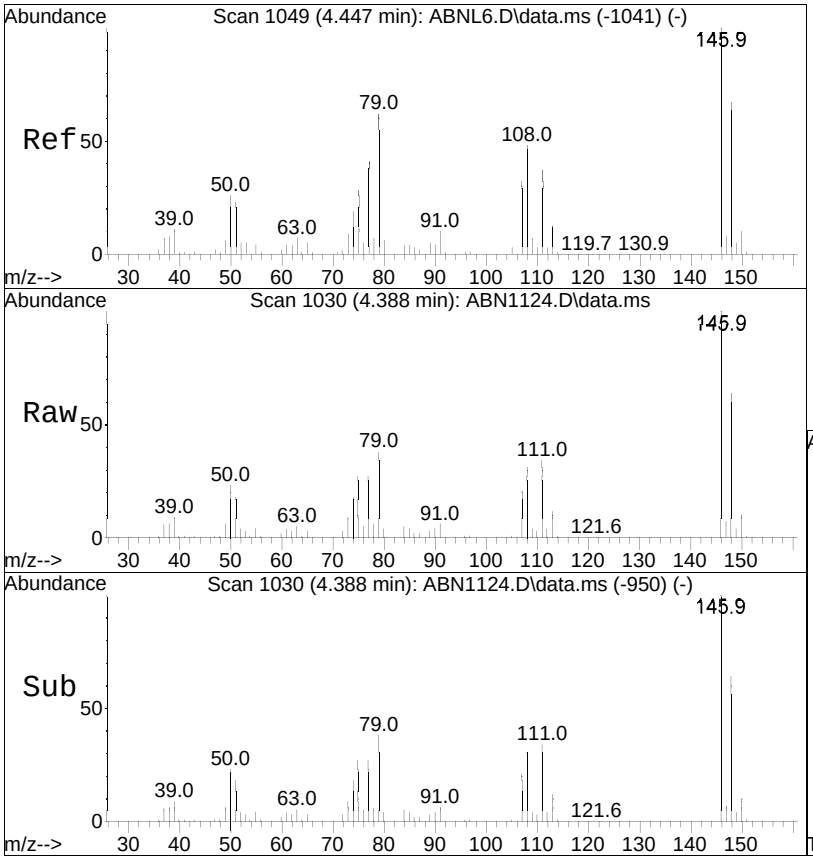


#11
1,4-Dichlorobenzene
Concen: 5.09 ug/ml
RT: 4.242 min Scan# 983
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:146 Resp: 56714

Ion	Ratio	Lower	Upper
146	100		
148	65.6	50.7	76.1
111	34.7	33.4	50.0

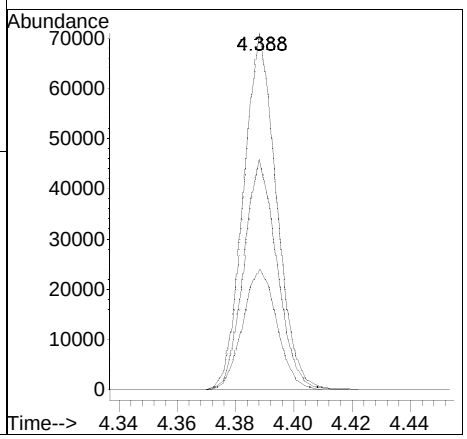


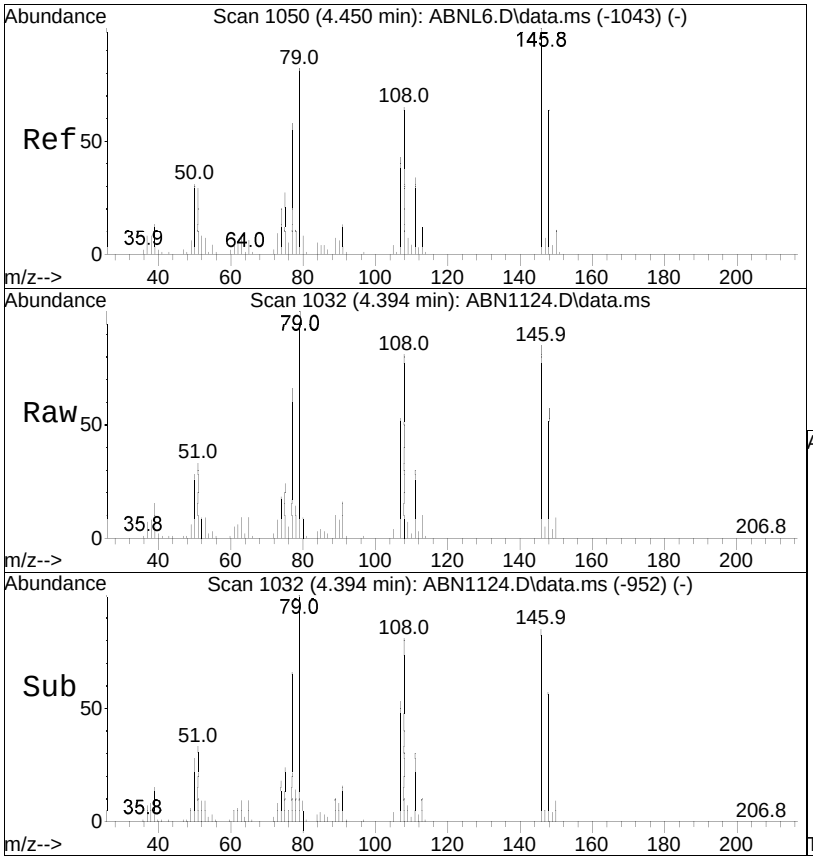


#12
1,2-Dichlorobenzene
Concen: 5.24 ug/ml
RT: 4.388 min Scan# 1030
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:146 Resp: 55700

Ion	Ratio	Lower	Upper
146	100		
111	35.3	34.6	52.0
148	64.8	50.2	75.4

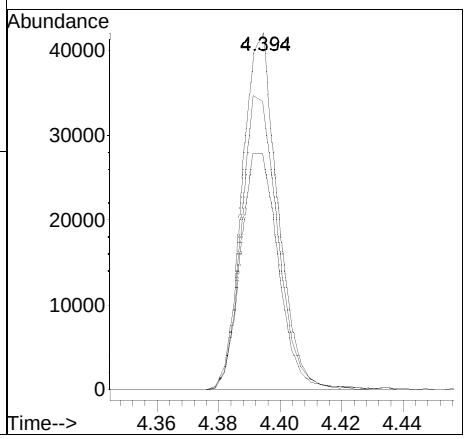


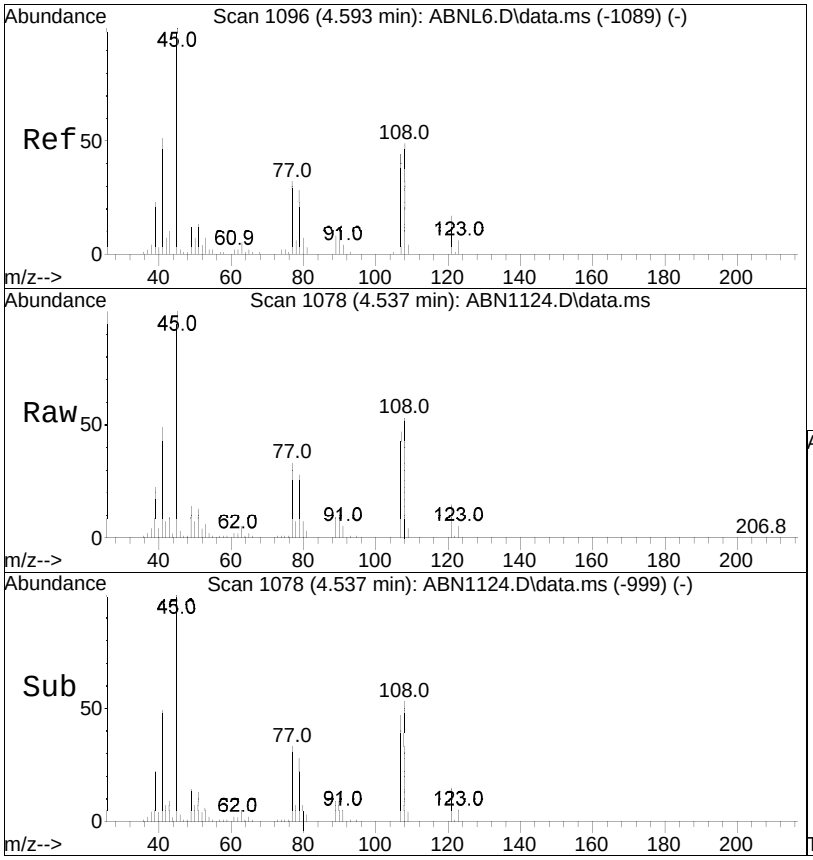


#13
Benzyl alcohol
Concen: 5.26 ug/ml
RT: 4.394 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 79 Resp: 33874

Ion	Ratio	Lower	Upper
79	100		
77	70.2	54.9	82.3
108	84.0	63.1	94.7

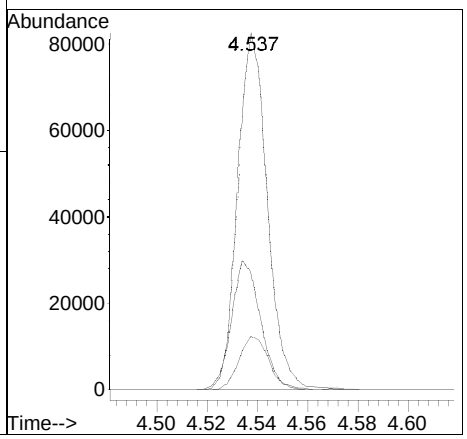


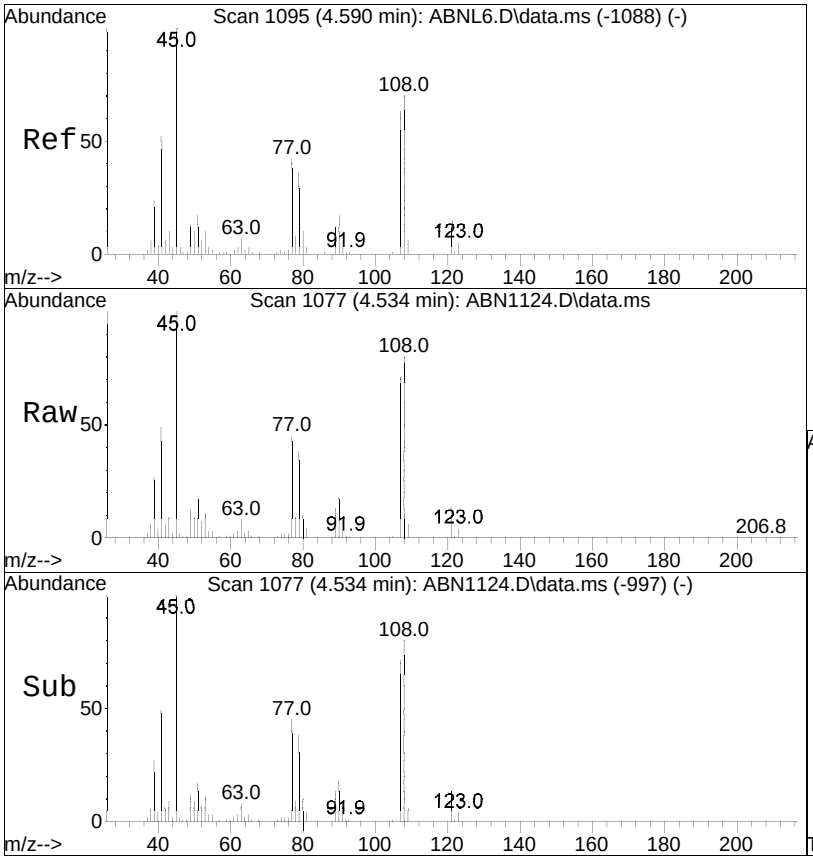


#14
Bis(2-chloroisopropyl)ether
Concen: 5.42 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 45 Resp: 67366

Ion	Ratio	Lower	Upper
45	100		
121	15.1	9.8	14.6#
77	35.9	6.1	9.1#

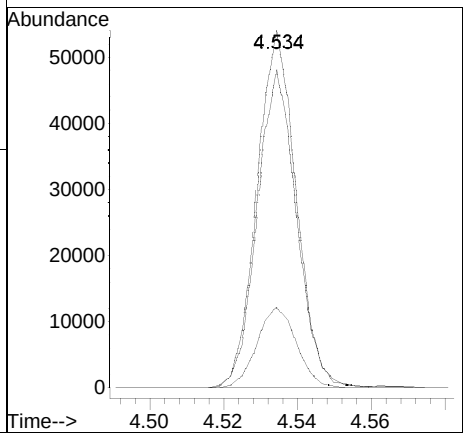


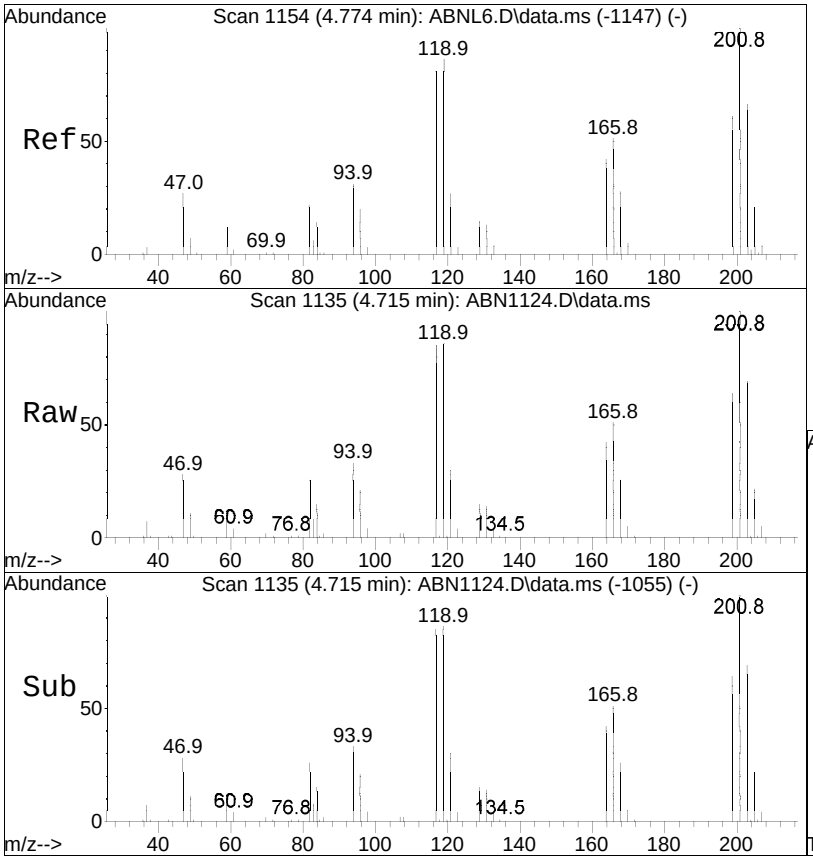


#15
2-Methylphenol
Concen: 5.33 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:108 Resp: 39837

Ion	Ratio	Lower	Upper
108	100		
107	89.4	70.7	106.1
90	22.8	18.7	28.1

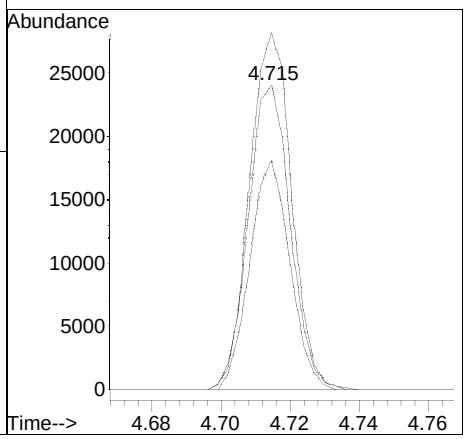


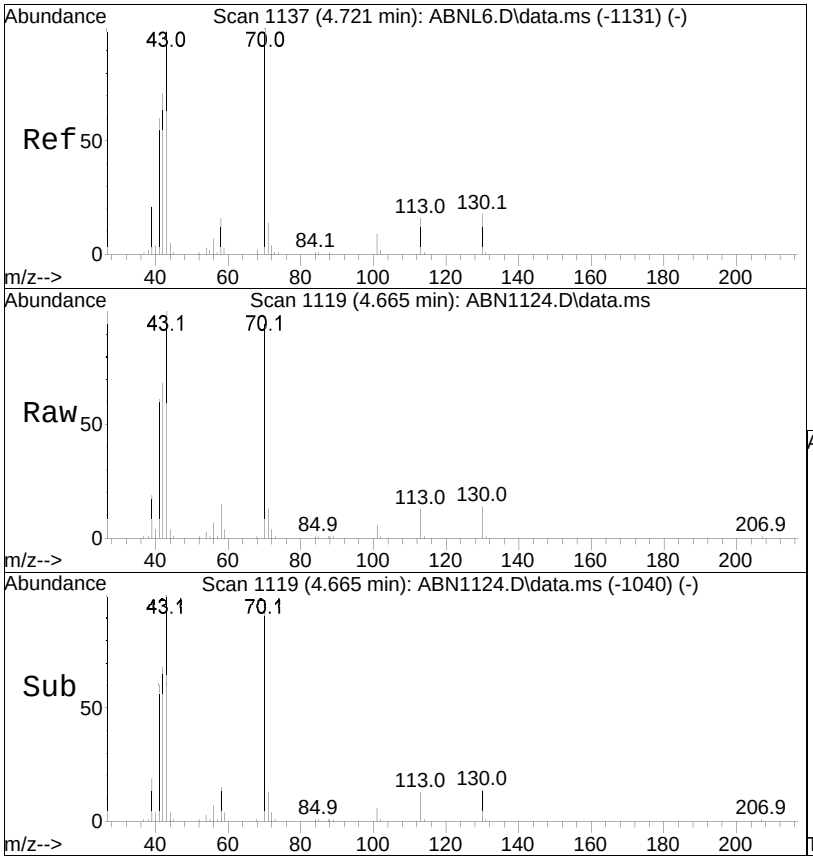


#16
Hexachloroethane
Concen: 4.98 ug/ml
RT: 4.715 min Scan# 1135
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:117 Resp: 20320

Ion	Ratio	Lower	Upper
117	100		
201	116.9	58.6	87.8#
199	71.8	36.9	55.3#

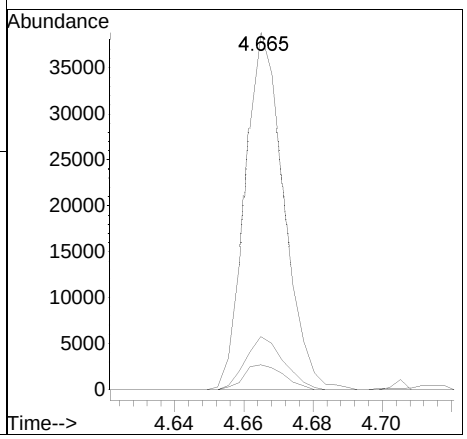


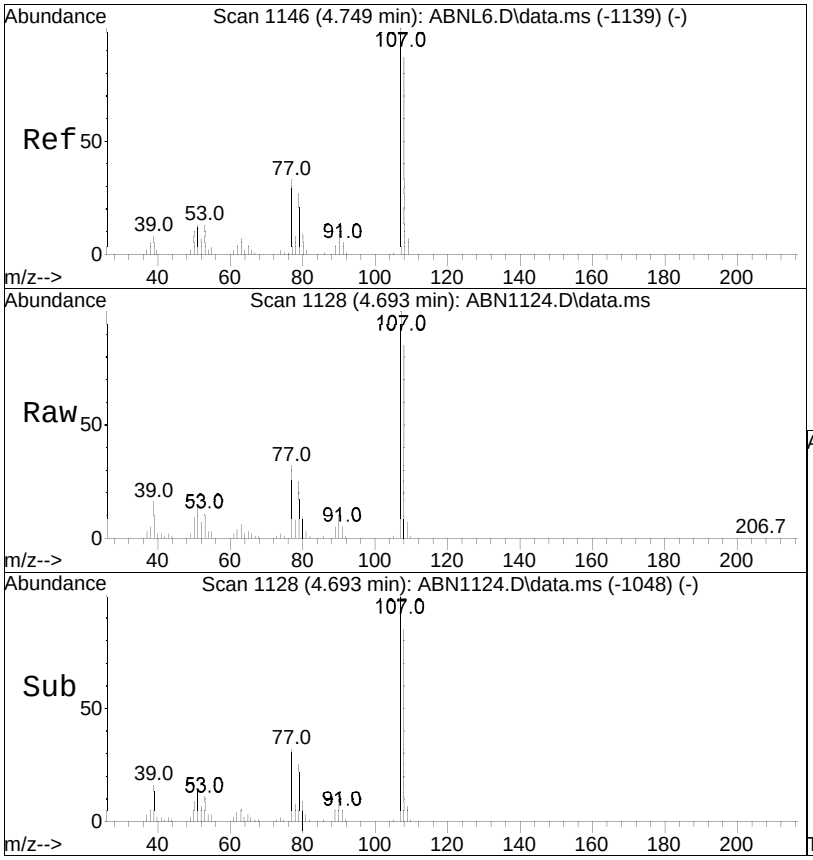


#17
n-Nitrosodi-n-propylamine
Concen: 5.04 ug/ml
RT: 4.665 min Scan# 1119
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 70 Resp: 30098

Ion	Ratio	Lower	Upper
70	100		
130	14.6	18.2	27.4#
101	7.2	7.8	11.8#

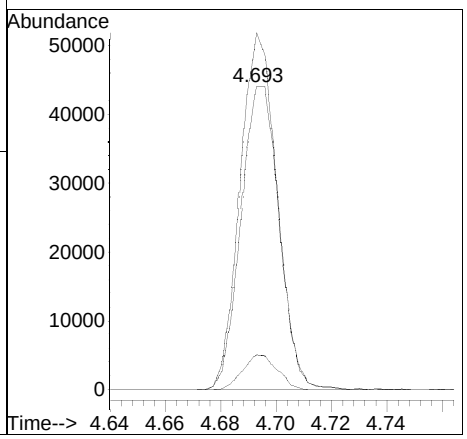


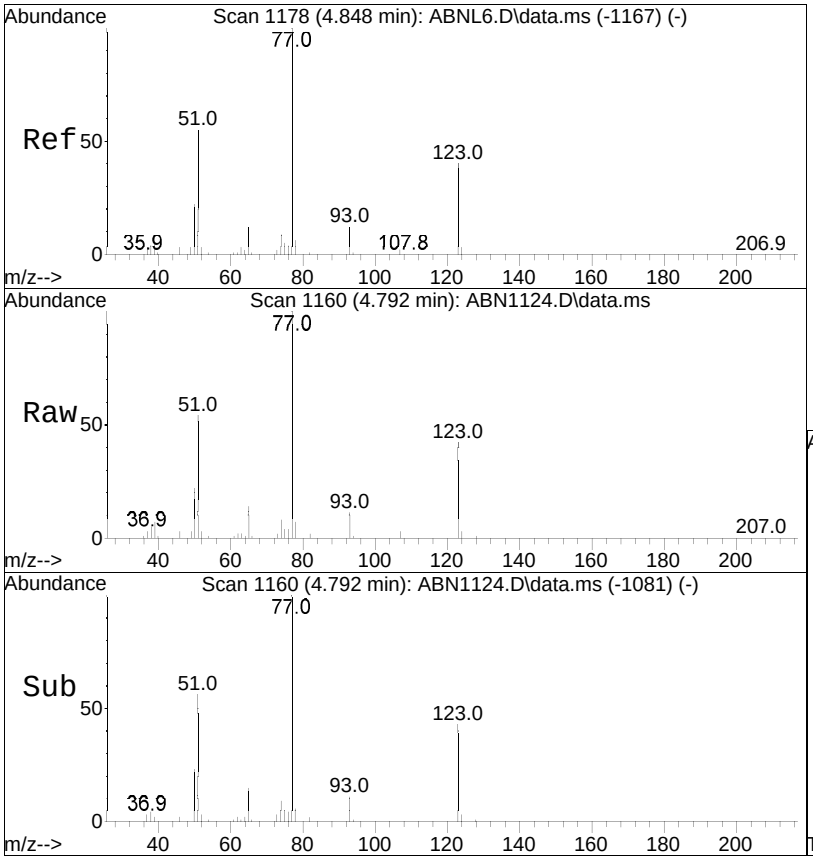


#18
3-Methylphenol/4-Methylphenol
Concen: 5.18 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:108 Resp: 42404

Ion	Ratio	Lower	Upper
108	100		
107	114.0	88.6	132.8
90	10.6	8.8	13.2

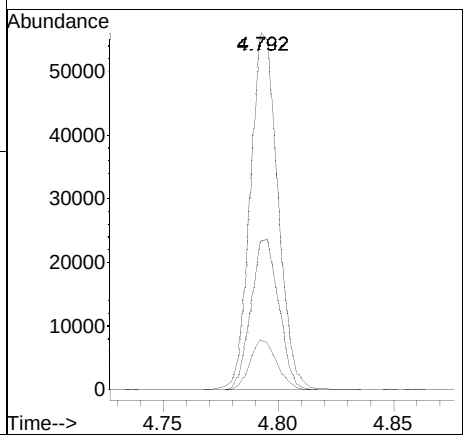


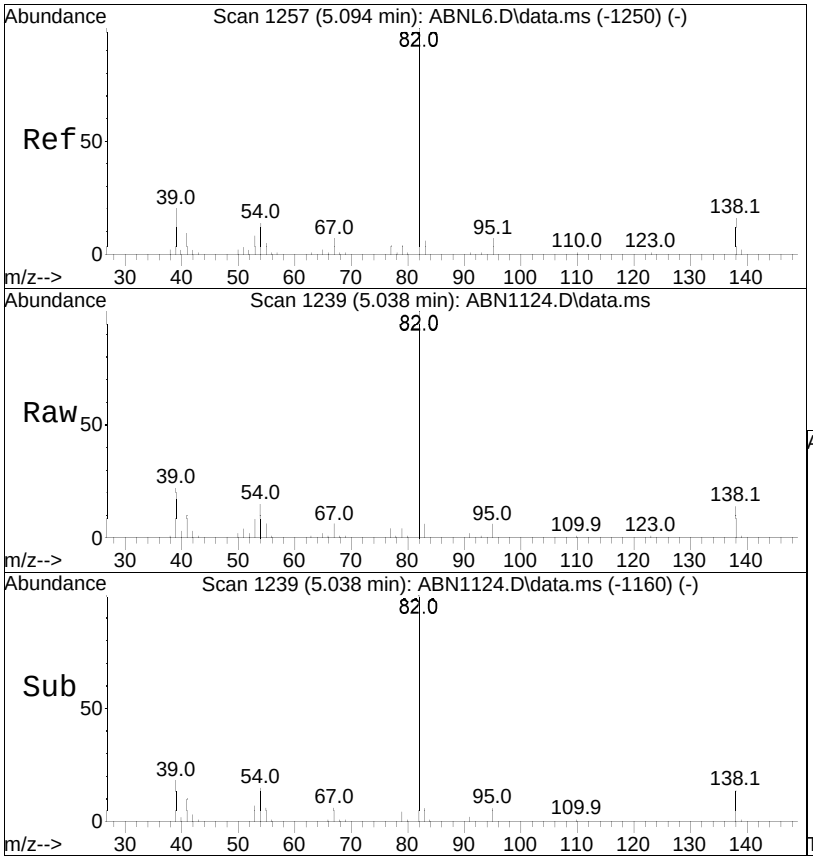


#20
Nitrobenzene
Concen: 5.50 ug/ml
RT: 4.792 min Scan# 1160
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 77 Resp: 46528

Ion	Ratio	Lower	Upper
77	100		
123	42.4	36.3	54.5
65	13.7	11.6	17.4

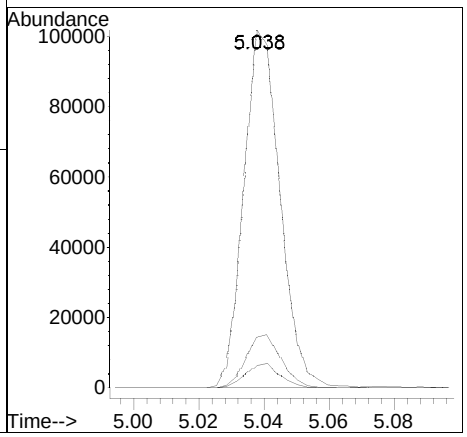


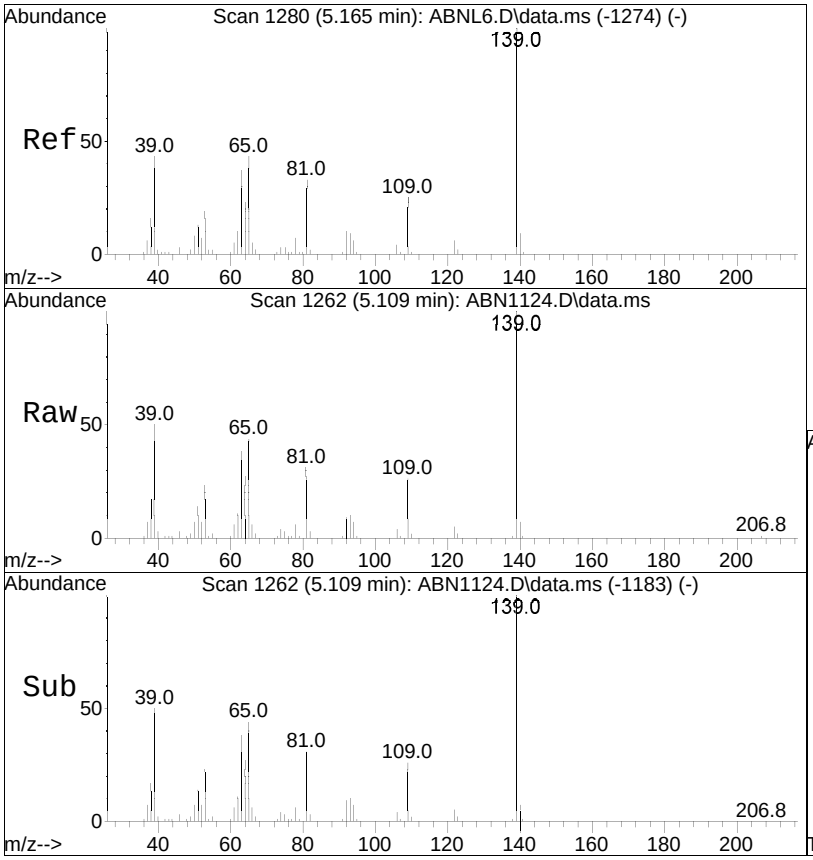


#21
Isophorone
Concen: 5.03 ug/ml
RT: 5.038 min Scan# 1239
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 82 Resp: 78263

Ion	Ratio	Lower	Upper
82	100		
138	14.5	14.7	22.1#
95	6.5	5.2	7.8

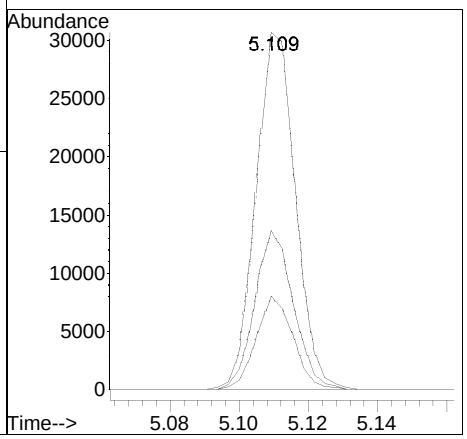


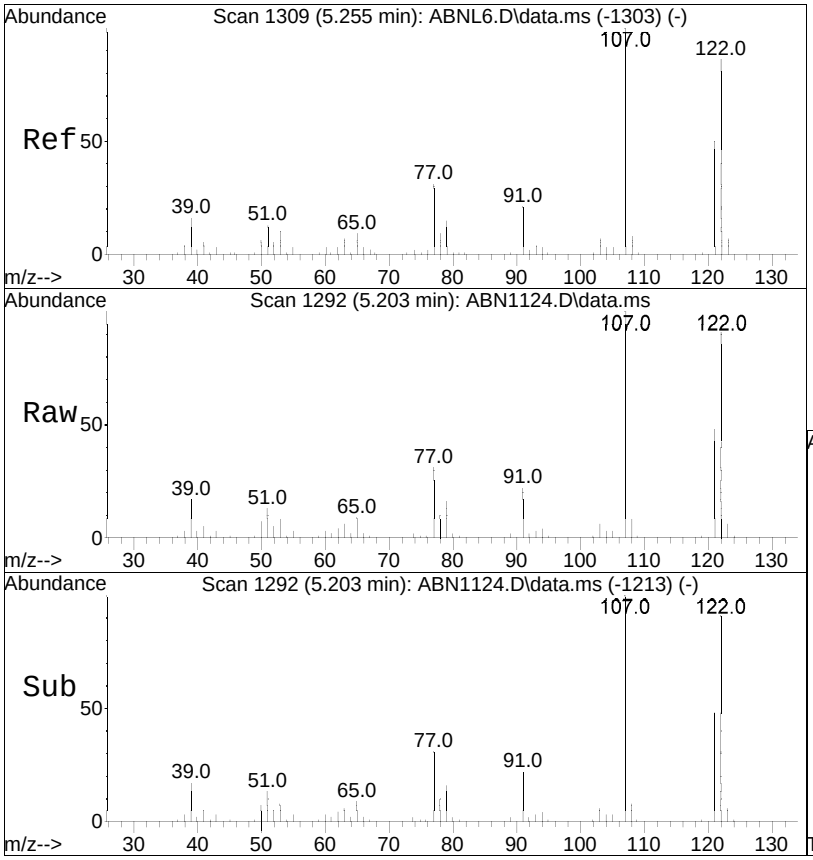


#22
2-Nitrophenol
Concen: 5.65 ug/ml
RT: 5.109 min Scan# 1262
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:139 Resp: 24224

Ion	Ratio	Lower	Upper
139	100		
109	24.6	19.4	29.0
65	43.6	46.1	69.1#

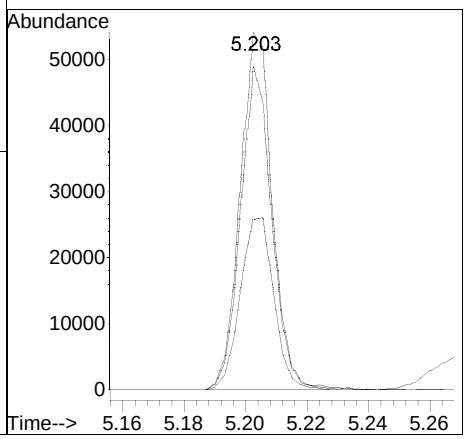


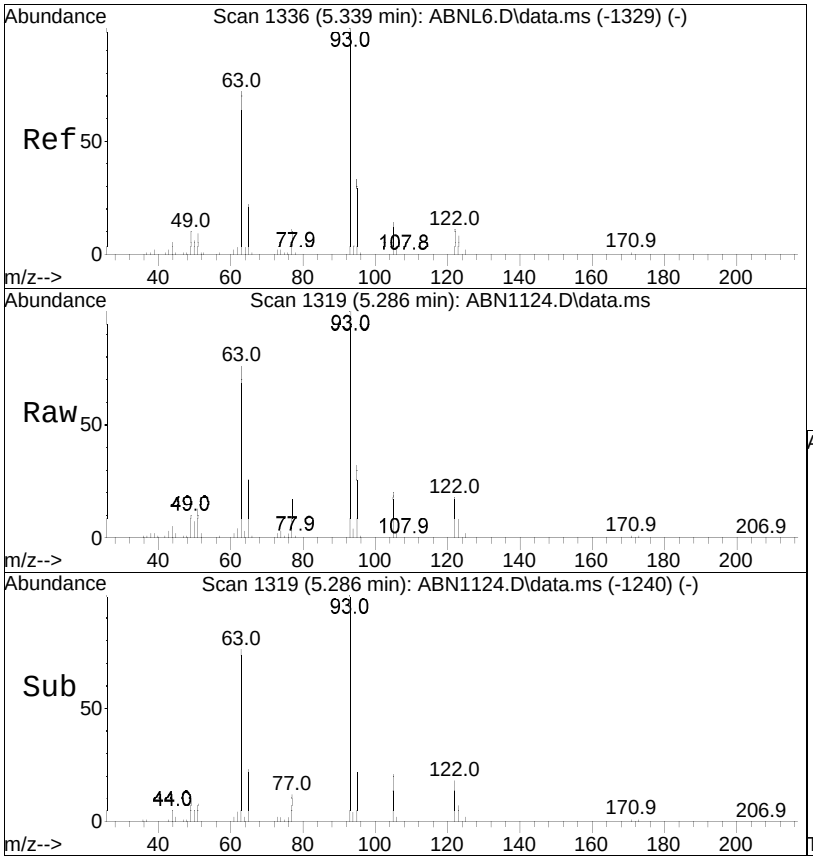


#23
2,4-Dimethylphenol
Concen: 5.15 ug/ml
RT: 5.203 min Scan# 1292
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:107 Resp: 39255

Ion	Ratio	Lower	Upper
107	100		
121	50.3	40.0	60.0
122	87.5	70.2	105.4

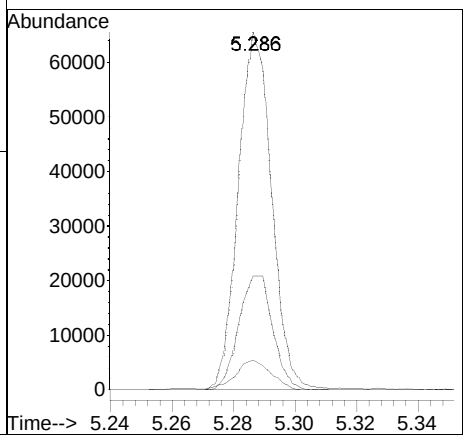


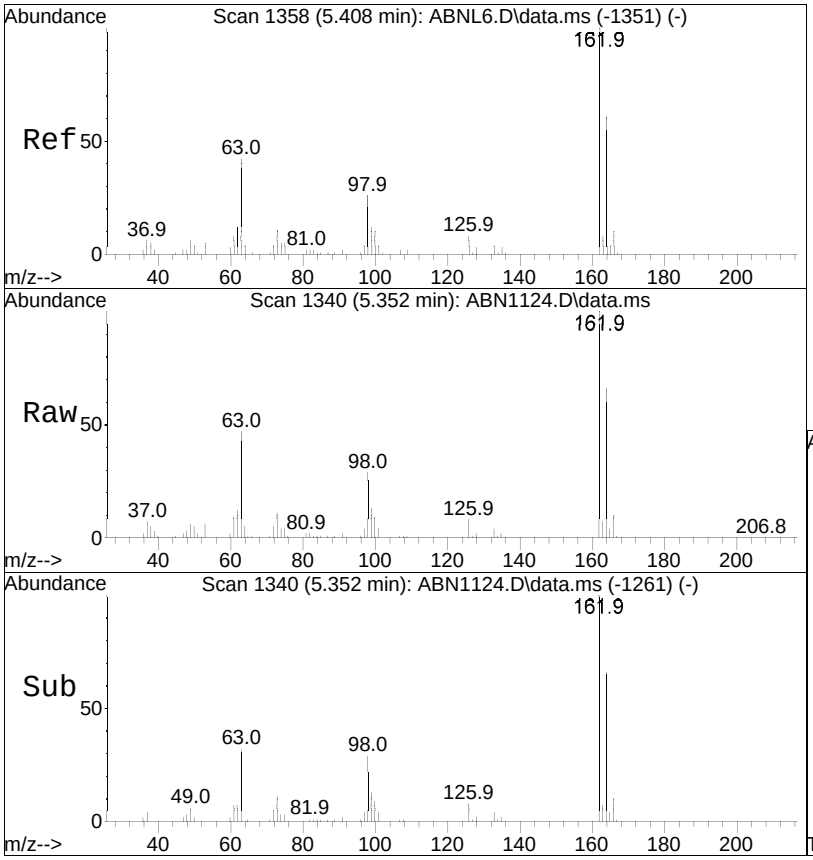


#24
Bis(2-chloroethoxy)methane
Concen: 5.07 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 93 Resp: 49195

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	8.9	10.1	15.1#

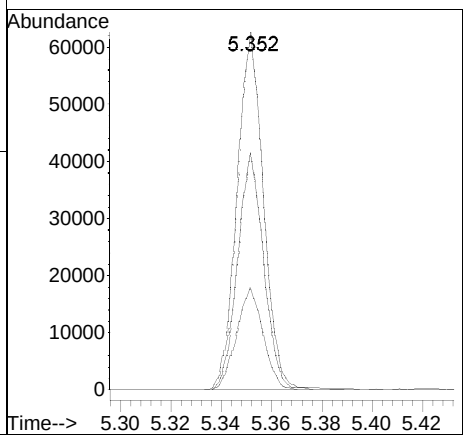


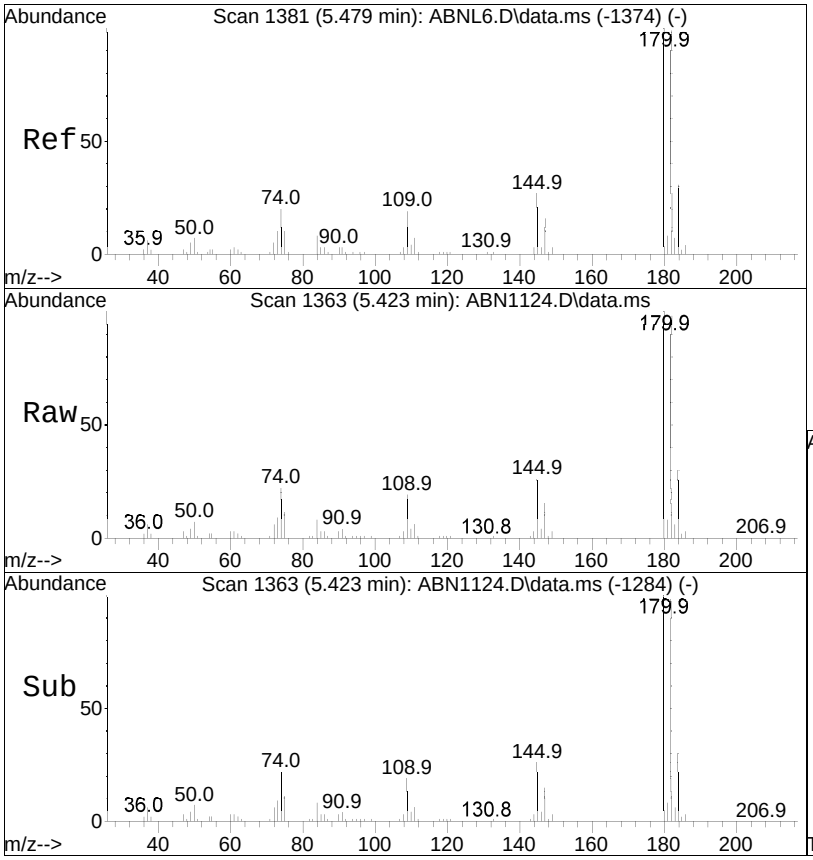


#25
2,4-Dichlorophenol
Concen: 5.08 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:162 Resp: 45208

Ion	Ratio	Lower	Upper
162	100		
164	65.2	51.0	76.4
98	28.8	32.2	48.2#

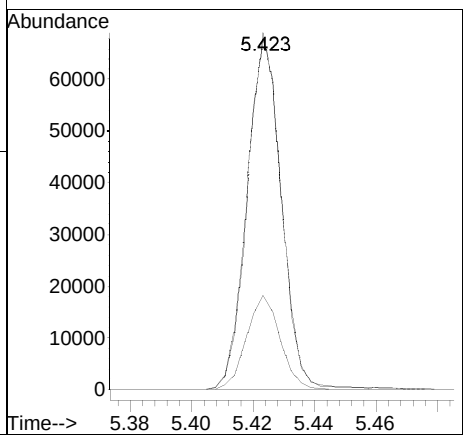


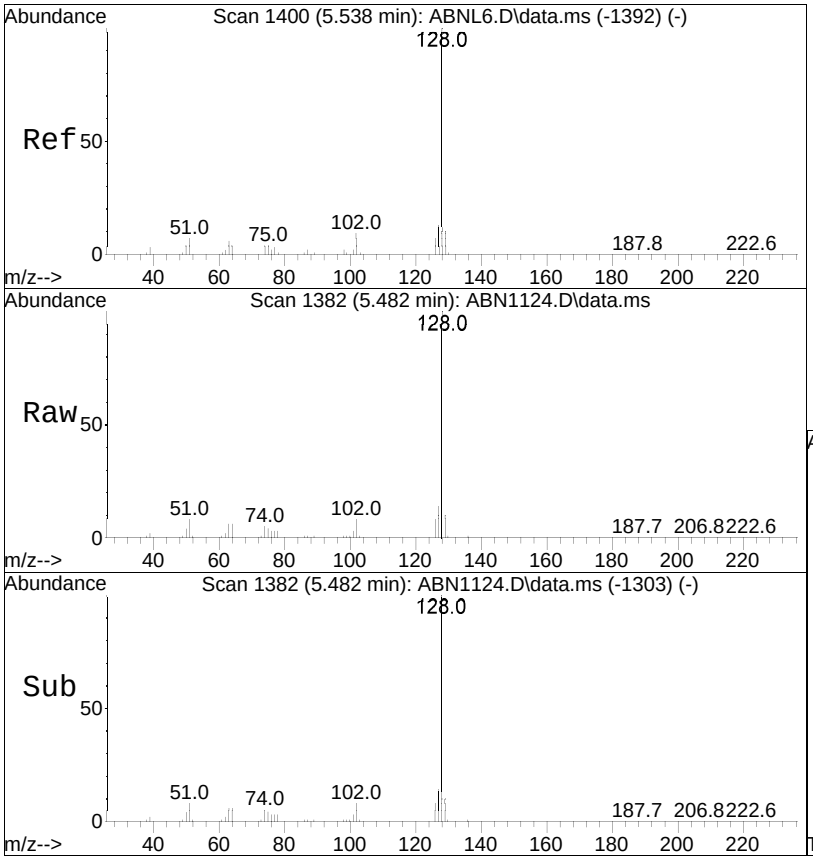


#26
1,2,4-Trichlorobenzene
Concen: 4.91 ug/ml
RT: 5.423 min Scan# 1363
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:180 Resp: 52898

Ion	Ratio	Lower	Upper
180	100		
182	99.6	76.0	114.0
145	26.0	25.7	38.5

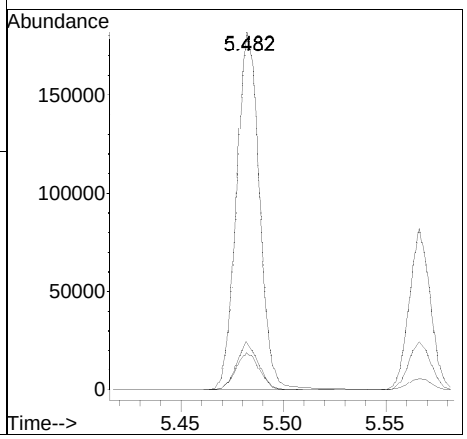


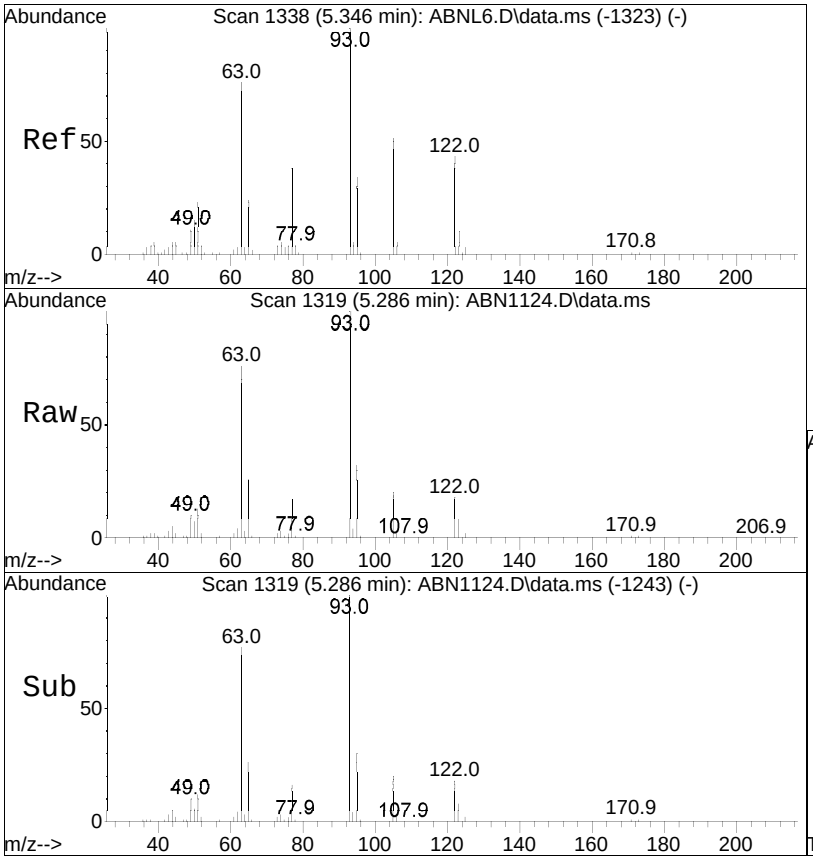


#38
Naphthalene
Concen: 4.91 ug/ml
RT: 5.482 min Scan# 1382
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:128 Resp: 141752

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.8	10.3	15.5

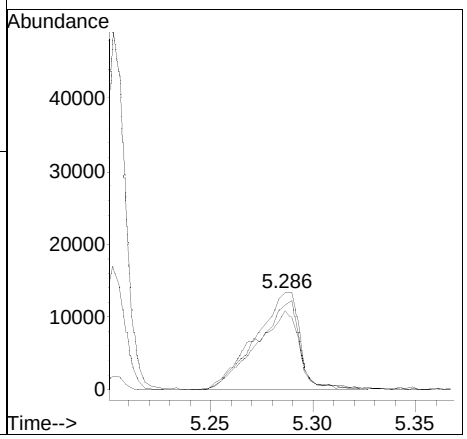


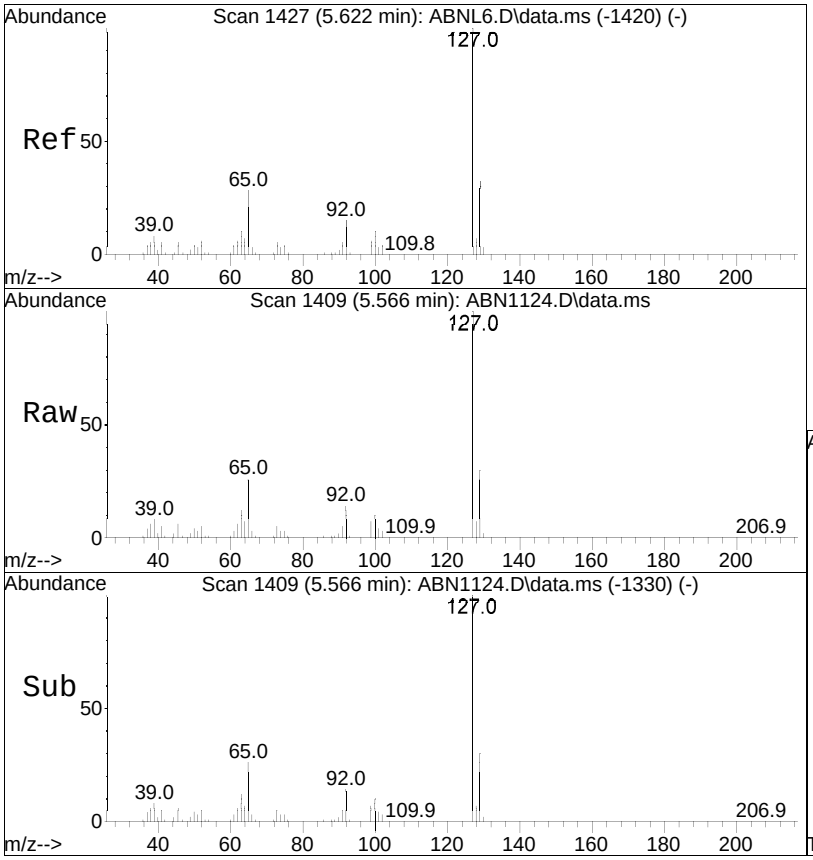


#39
Benzoic Acid
Concen: 3.50 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. -0.012 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:105 Resp: 20922

Ion	Ratio	Lower	Upper
105	100		
122	87.7	59.9	89.9
77	81.0	60.1	90.1

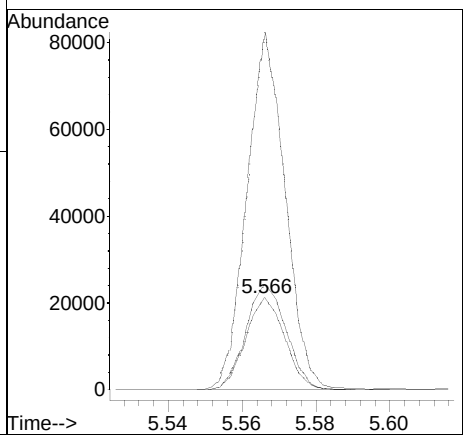


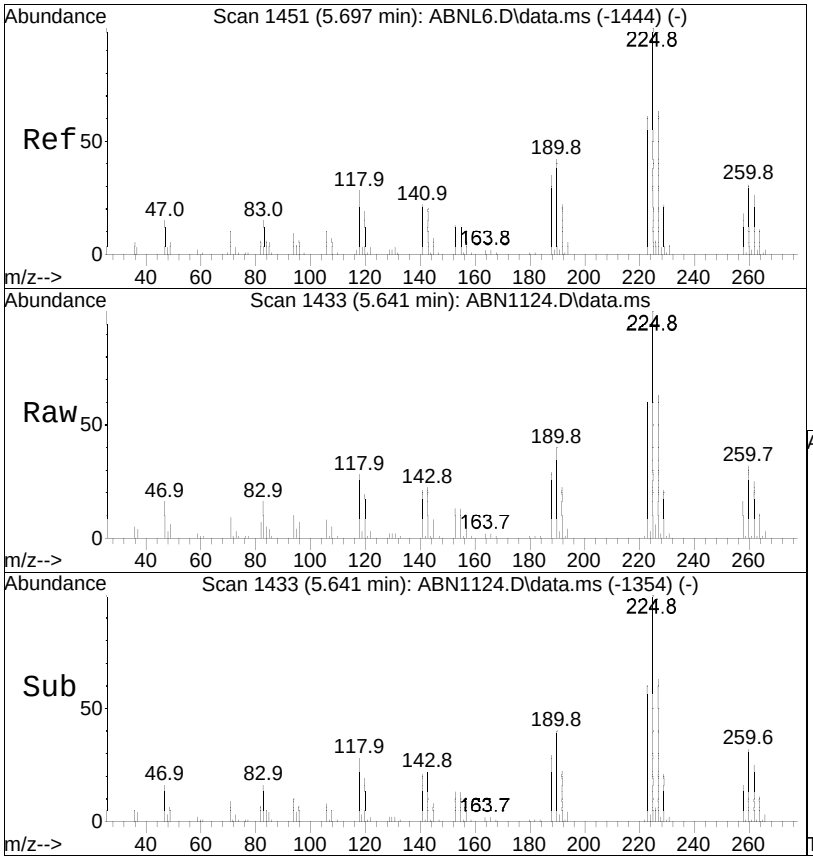


#40
4-Chloroaniline
Concen: 4.94 ug/ml
RT: 5.566 min Scan# 1409
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 65 Resp: 15673

Ion	Ratio	Lower	Upper
65	100		
127	374.8	237.6	356.4#
129	117.4	76.3	114.5#

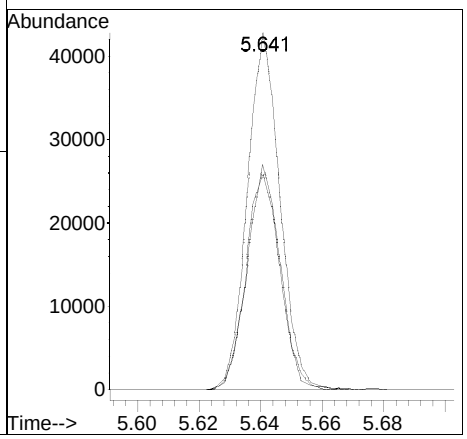


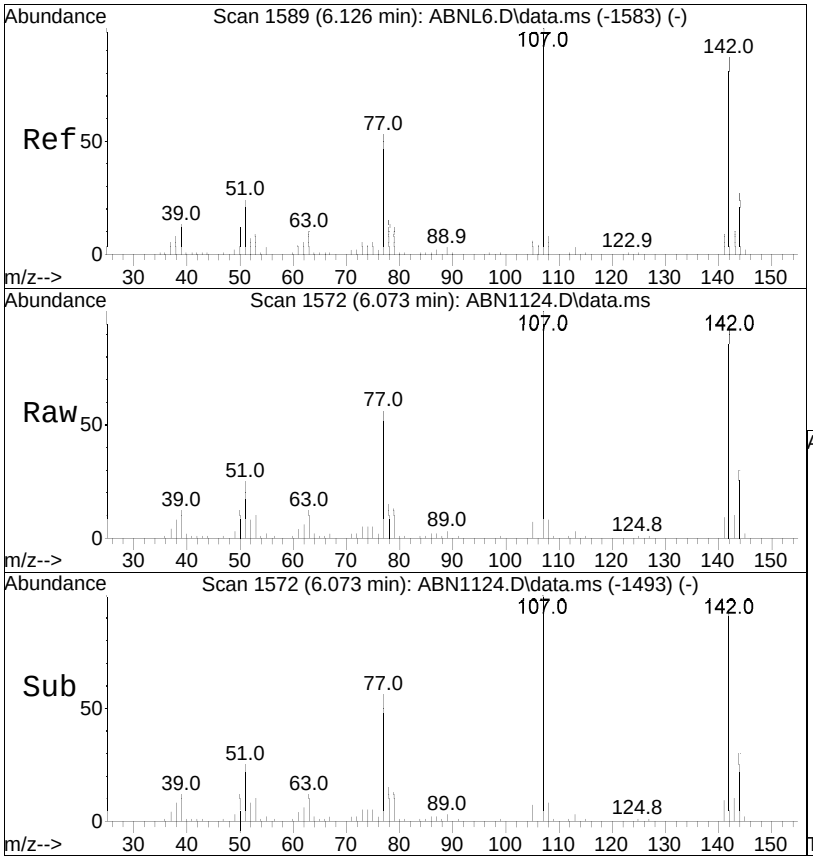


#41
Hexachlorobutadiene
Concen: 4.65 ug/ml
RT: 5.641 min Scan# 1433
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:225 Resp: 31560

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	64.0	52.2	78.2

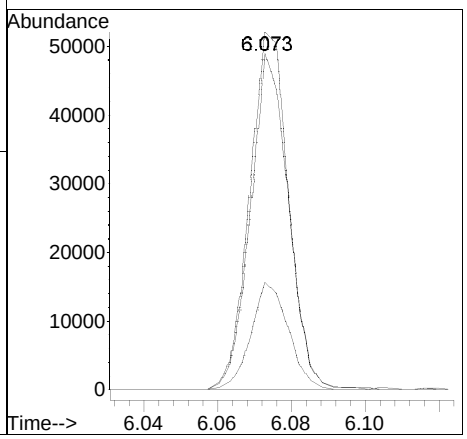


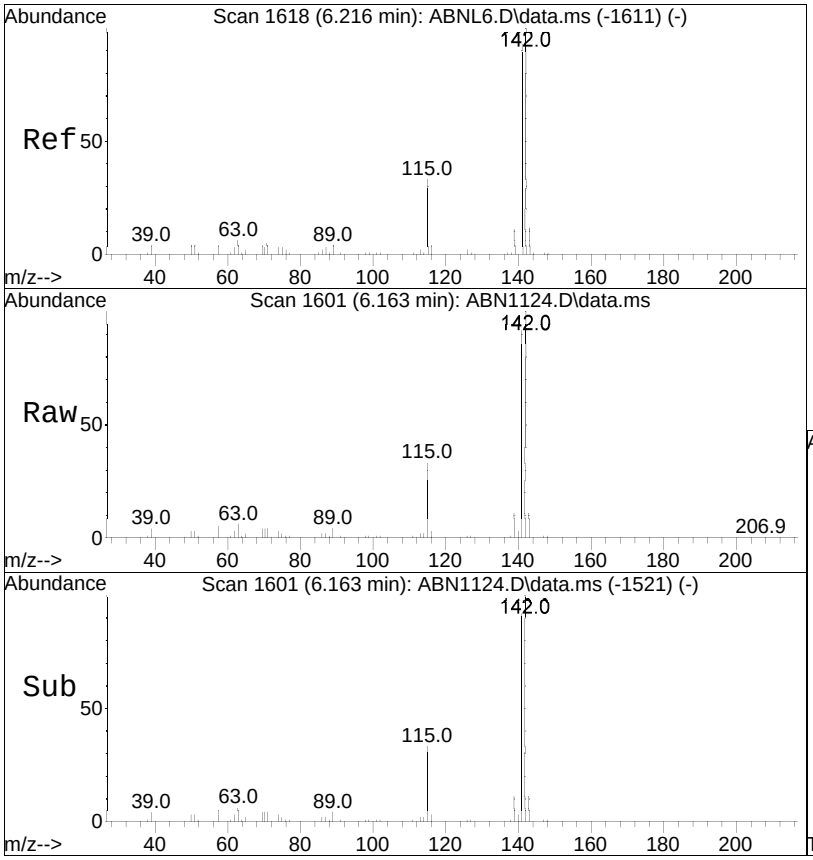


#42
p-Chloro-m-cresol
Concen: 4.98 ug/ml
RT: 6.073 min Scan# 1572
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:107 Resp: 37895

Ion	Ratio	Lower	Upper
107	100		
144	28.8	20.9	31.3
142	91.1	66.1	99.1

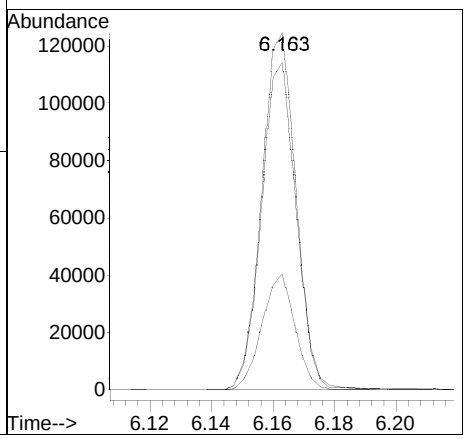


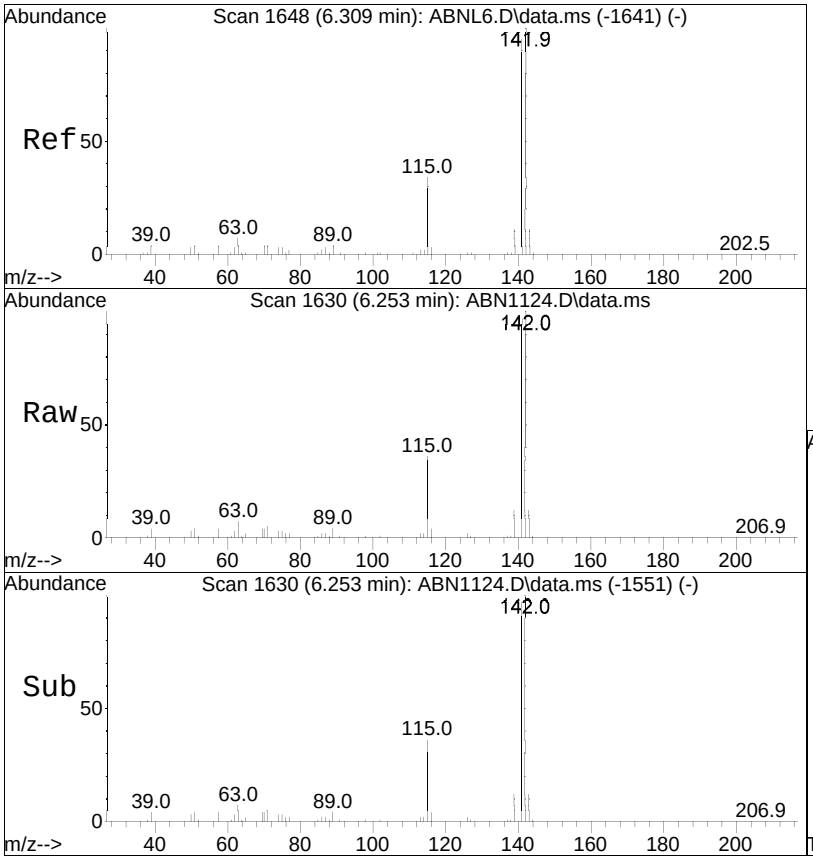


#43
2-Methylnaphthalene
Concen: 4.85 ug/ml
RT: 6.163 min Scan# 1601
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:142 Resp: 96906

Ion	Ratio	Lower	Upper
142	100		
141	92.5	69.6	104.4
115	31.4	26.6	40.0

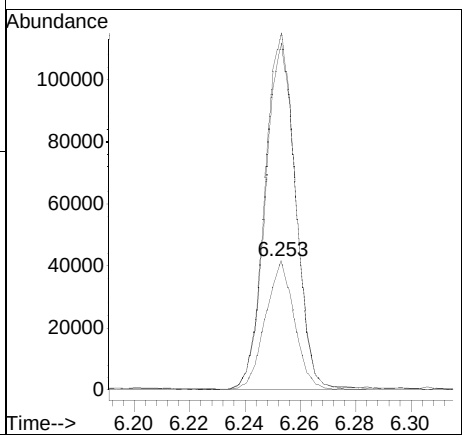


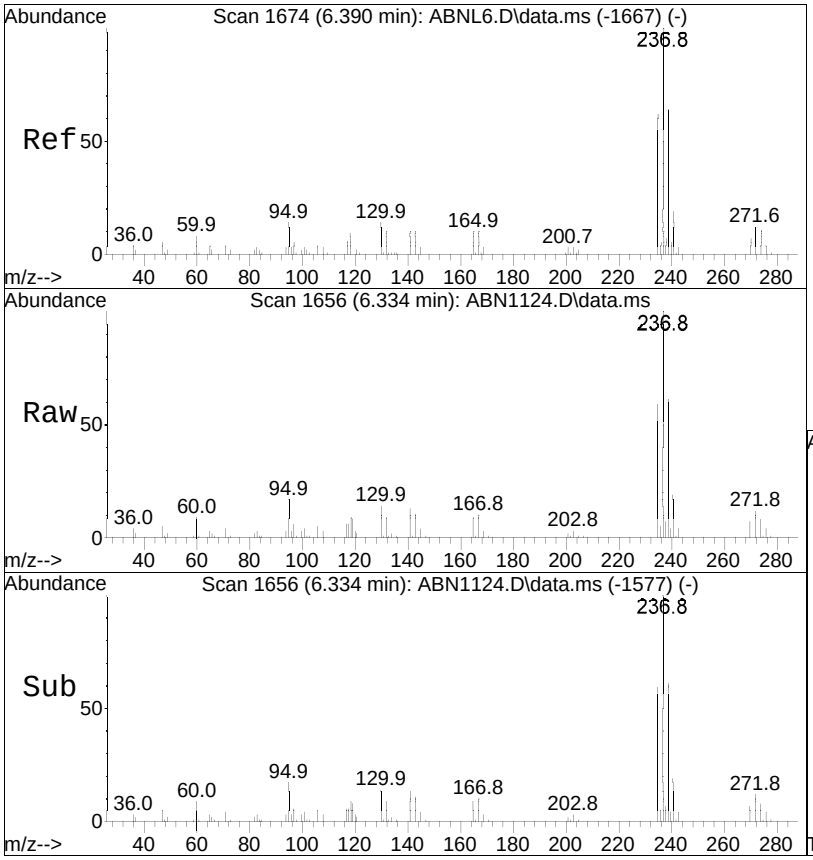


#44
1-Methylnaphthalene
Concen: 4.82 ug/ml
RT: 6.253 min Scan# 1630
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:115 Resp: 30644

Ion	Ratio	Lower	Upper
115	100		
141	281.5	207.8	311.6
142	288.3	226.8	340.2

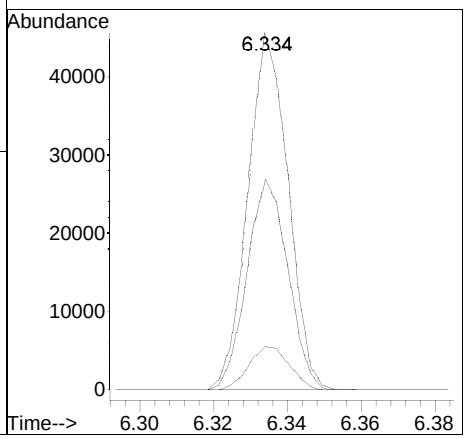


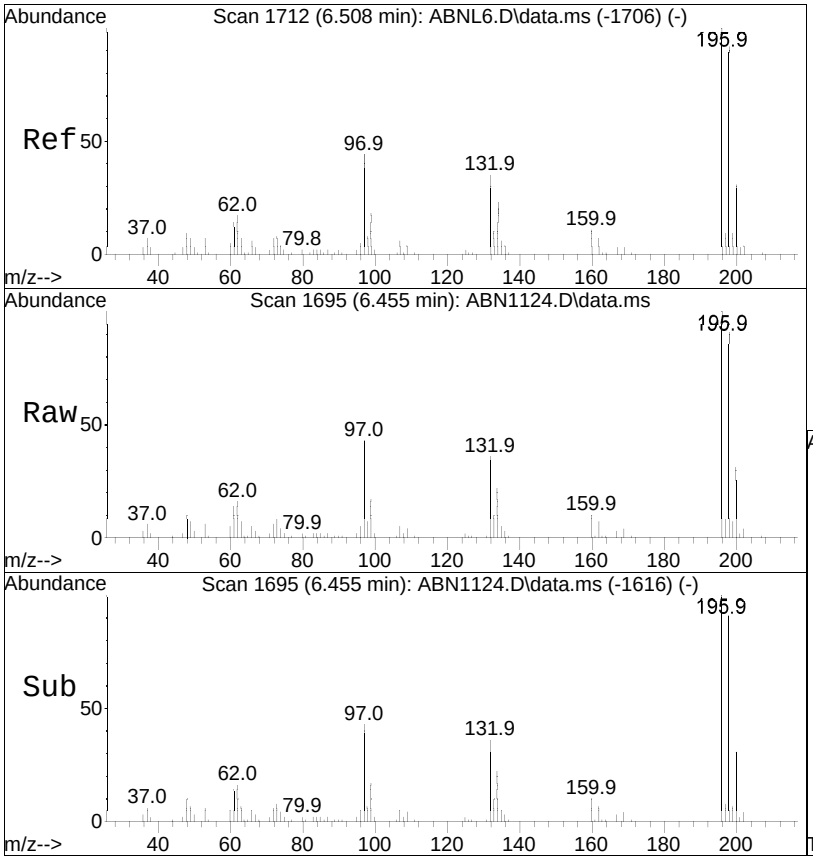


#45
Hexachlorocyclopentadiene
Concen: 4.81 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:237 Resp: 34351

Ion	Ratio	Lower	Upper
237	100		
235	60.1	49.7	74.5
272	12.4	9.8	14.6

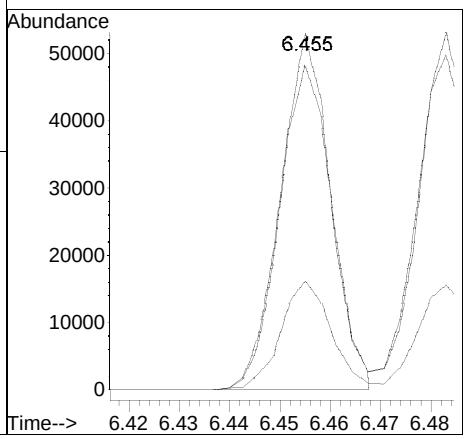


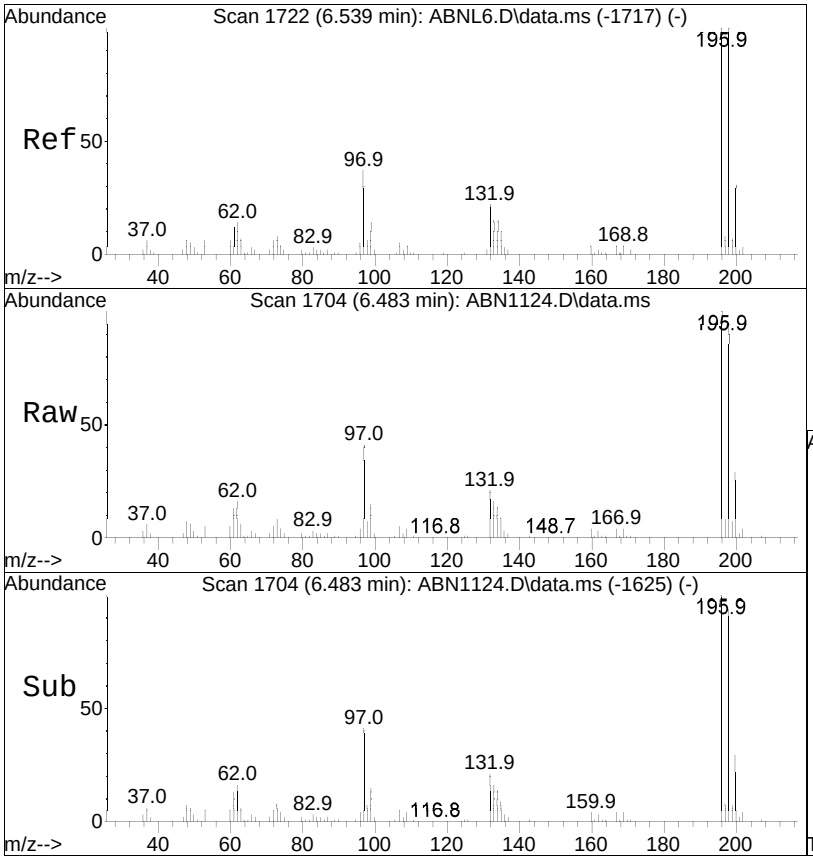


#46
2,4,6-Trichlorophenol
Concen: 4.89 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:196 Resp: 36767

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.5	116.3
200	31.3	23.8	35.6

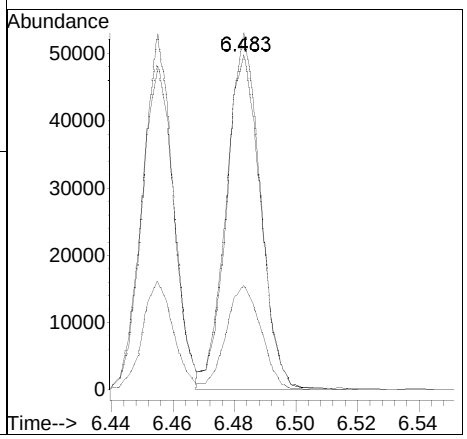


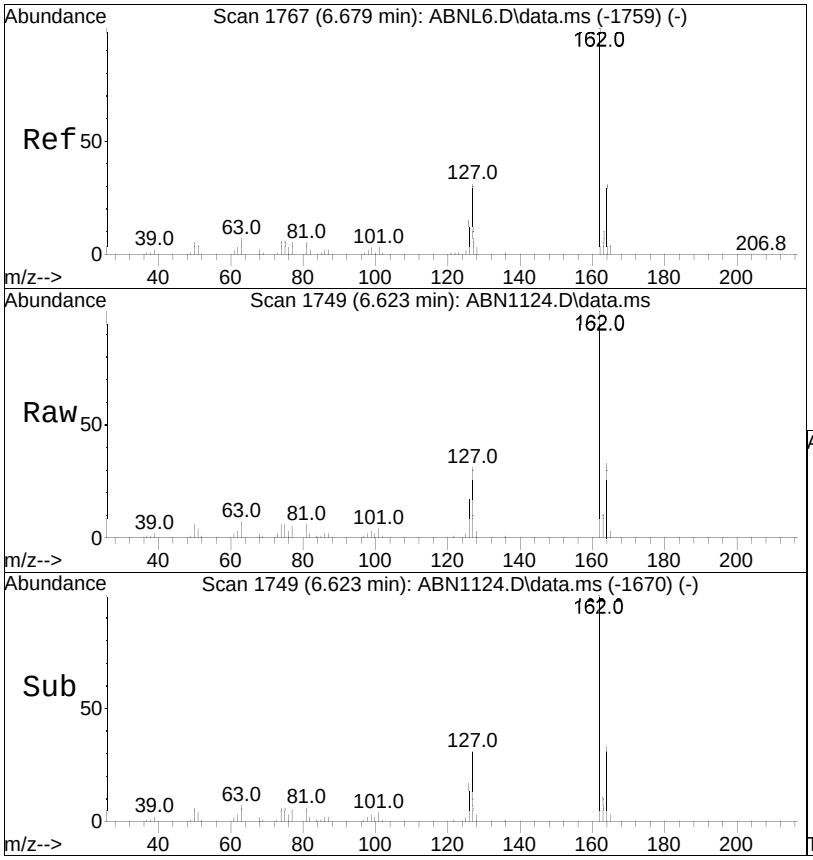


#47
2,4,5-Trichlorophenol
Concen: 4.82 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:196 Resp: 40506

Ion	Ratio	Lower	Upper
196	100		
200	29.8	25.4	38.0
198	95.1	78.0	117.0

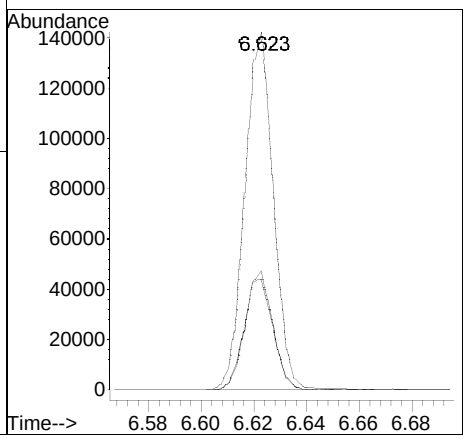


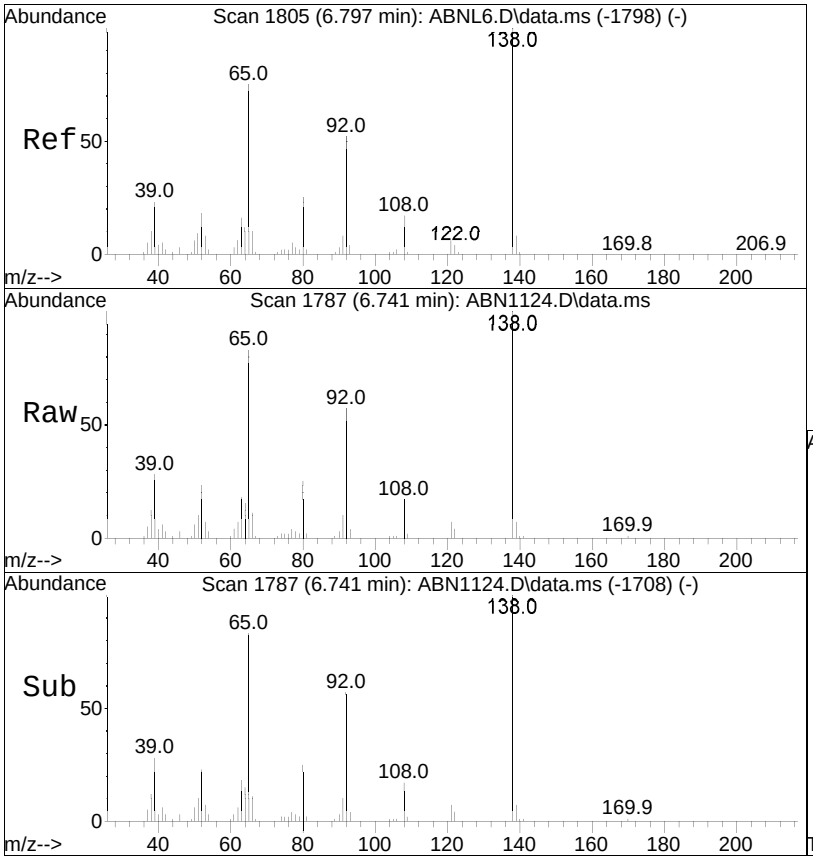


#49
2-Chloronaphthalene
Concen: 4.74 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:162 Resp: 106013

Ion	Ratio	Lower	Upper
162	100		
127	31.6	32.2	48.4#
164	32.2	25.7	38.5

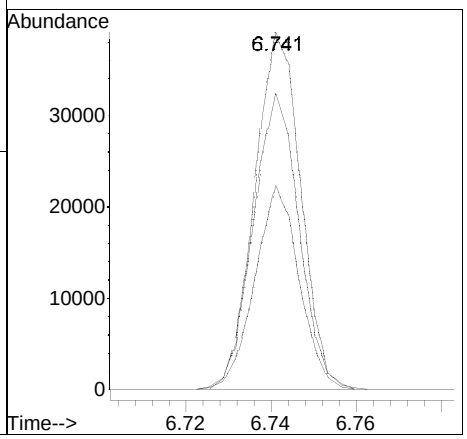


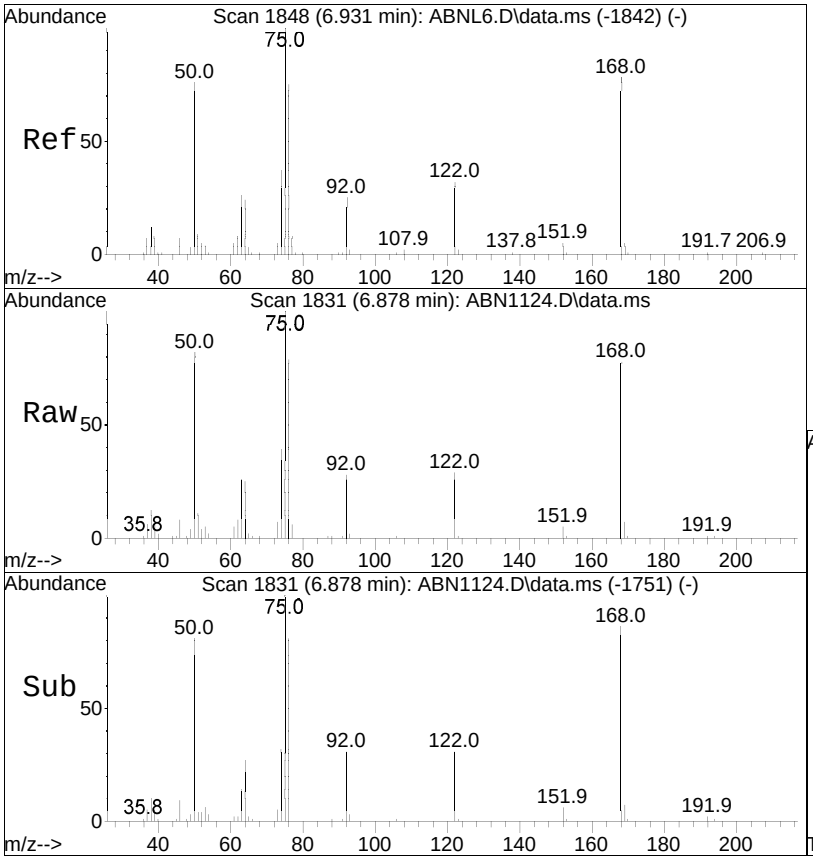


#50
2-Nitroaniline
Concen: 5.11 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:138 Resp: 29235

Ion	Ratio	Lower	Upper
138	100		
92	54.9	53.5	80.3
65	82.4	86.3	129.5#

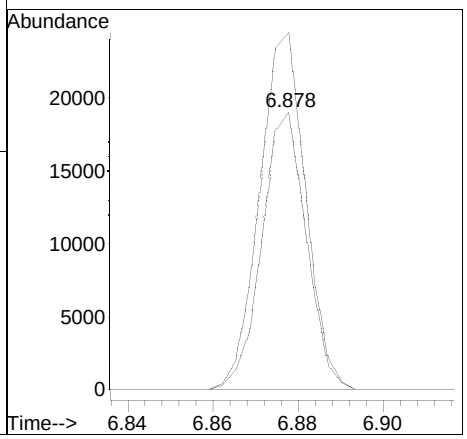


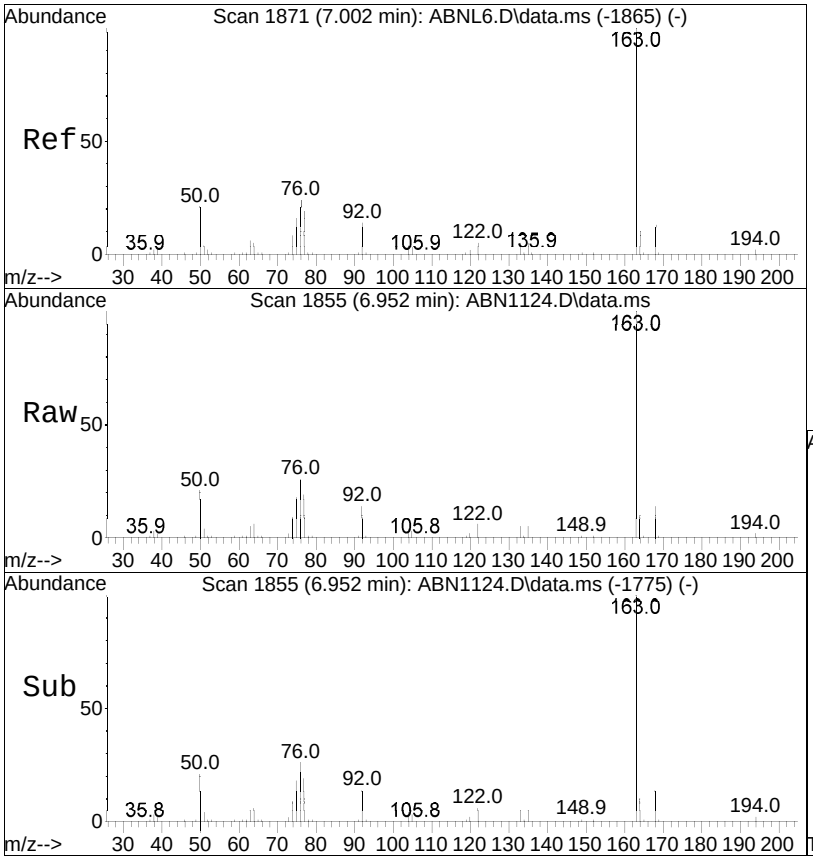


#51
1,4-Dinitrobenzene
Concen: 5.53 ug/ml
RT: 6.878 min Scan# 1831
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:168 Resp: 13761

Ion	Ratio	Lower	Upper
168	100		
75	133.1	121.8	182.8

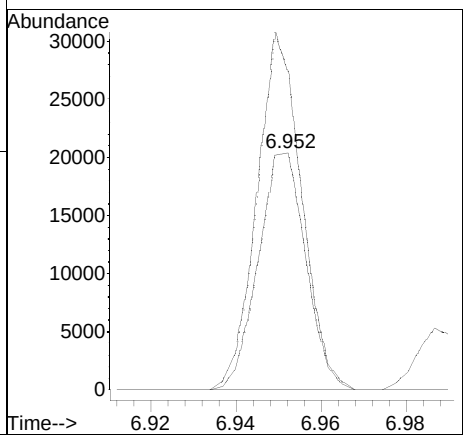


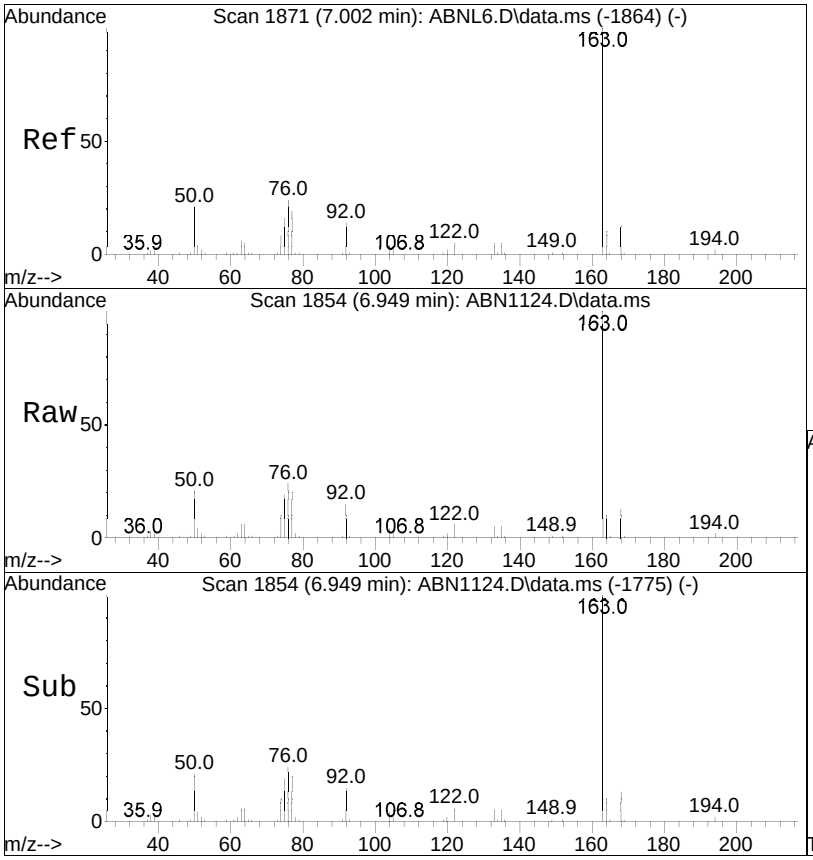


#52
1,3-Dinitrobenzene
Concen: 5.28 ug/ml
RT: 6.952 min Scan# 1855
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:168 Resp: 15730

Ion	Ratio	Lower	Upper
168	100		
75	141.1	22.7	34.1#

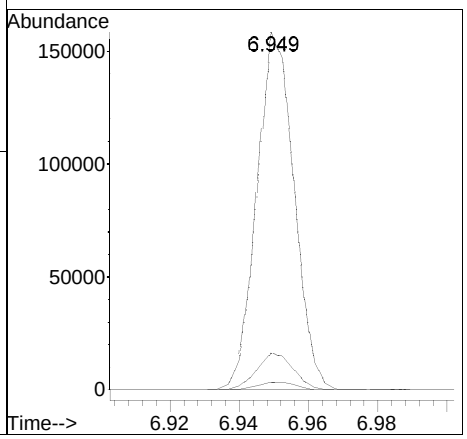


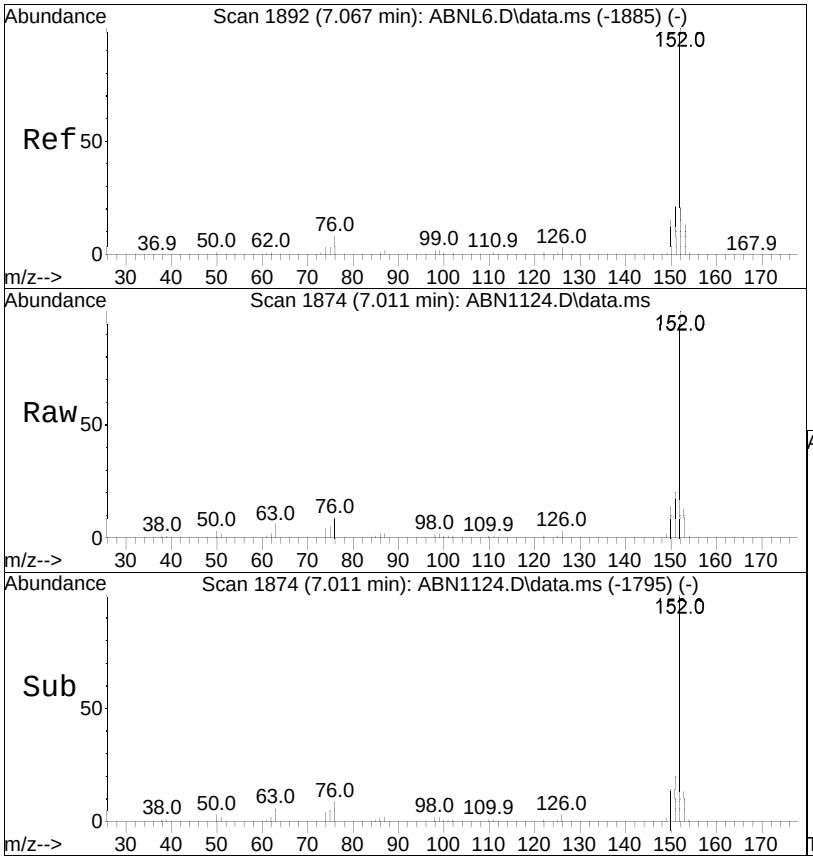


#53
Dimethyl phthalate
Concen: 4.52 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:163 Resp: 117475

Ion	Ratio	Lower	Upper
163	100		
194	2.2	3.5	5.3#
164	10.3	7.9	11.9

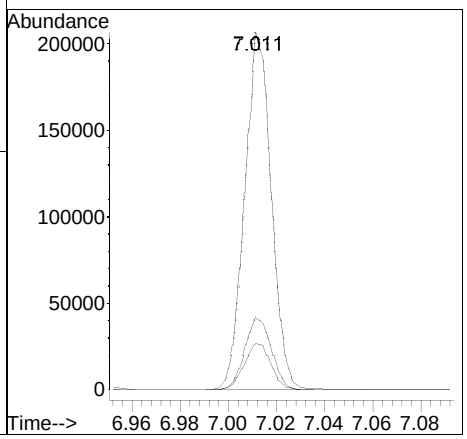


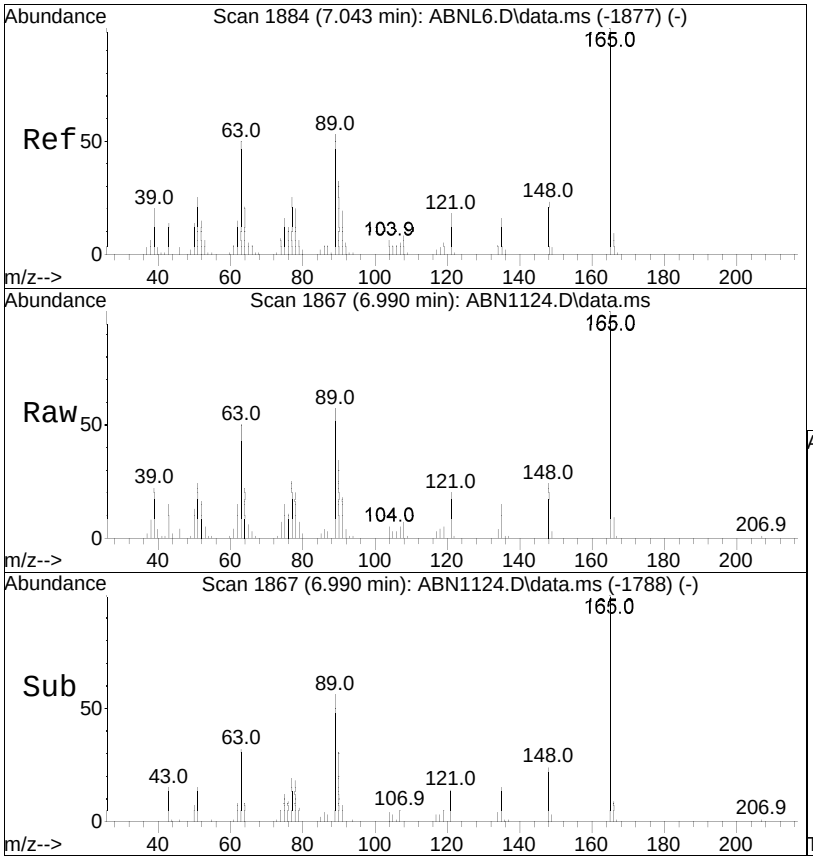


#54
Acenaphthylene
Concen: 4.79 ug/ml
RT: 7.011 min Scan# 1874
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:152 Resp: 157230

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	13.1	10.5	15.7

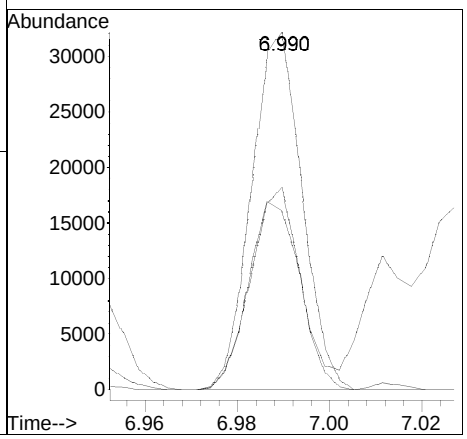


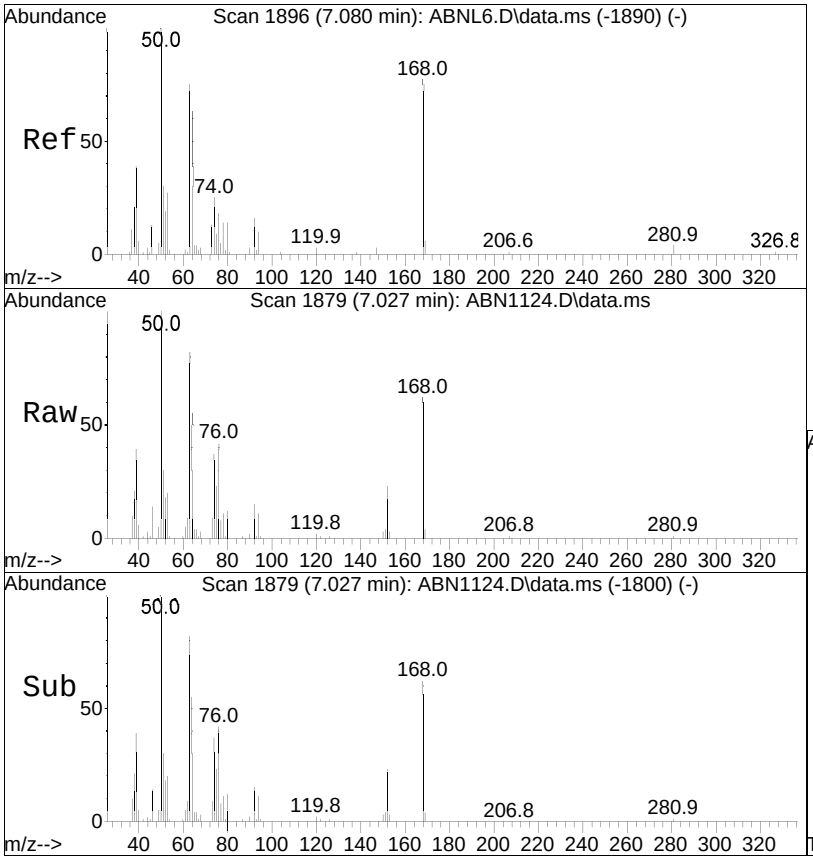


#55
2,6-Dinitrotoluene
Concen: 5.04 ug/ml
RT: 6.990 min Scan# 1867
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:165 Resp: 24451

Ion	Ratio	Lower	Upper
165	100		
89	55.2	54.2	81.2
63	55.7	64.2	96.2#

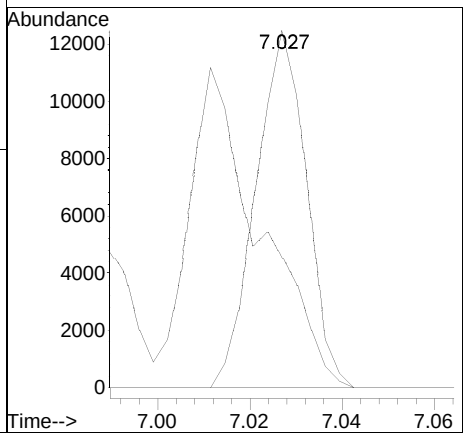


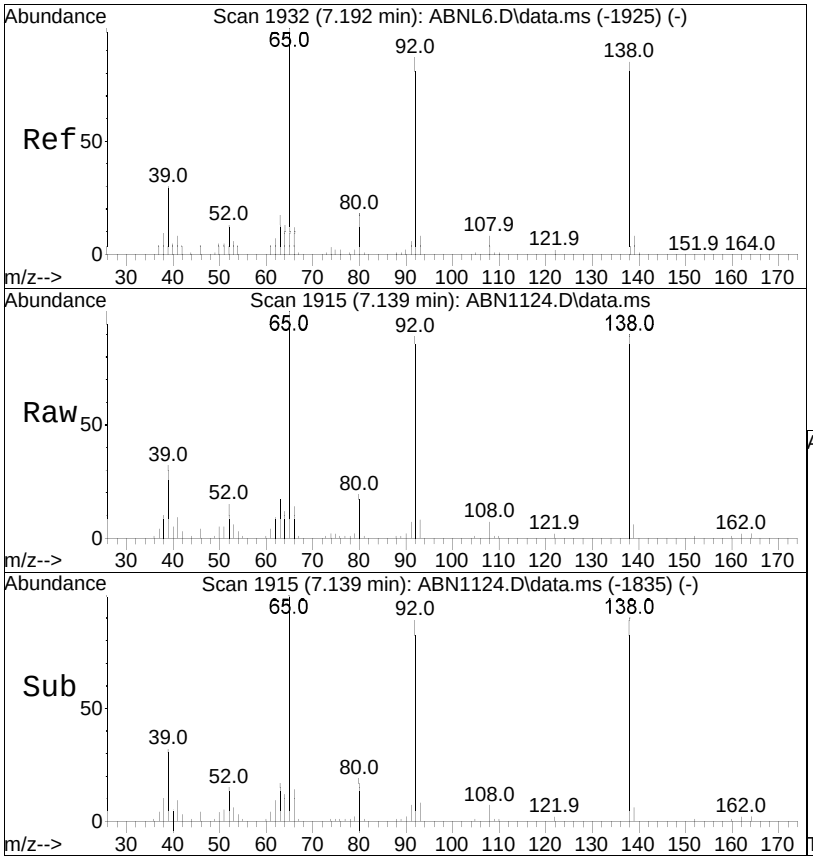


#56
1,2-Dinitrobenzene
Concen: 5.47 ug/ml
RT: 7.027 min Scan# 1879
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:168 Resp: 9503

Ion	Ratio	Lower	Upper
168	100		
75	124.4	30.9	46.3#

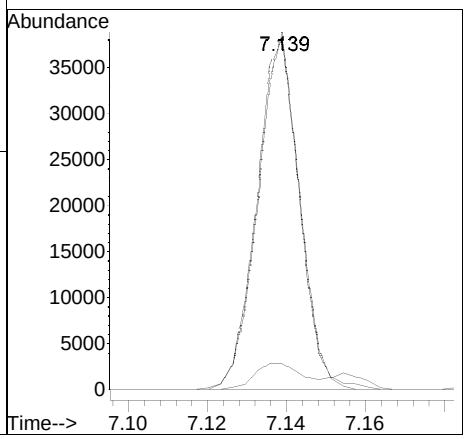


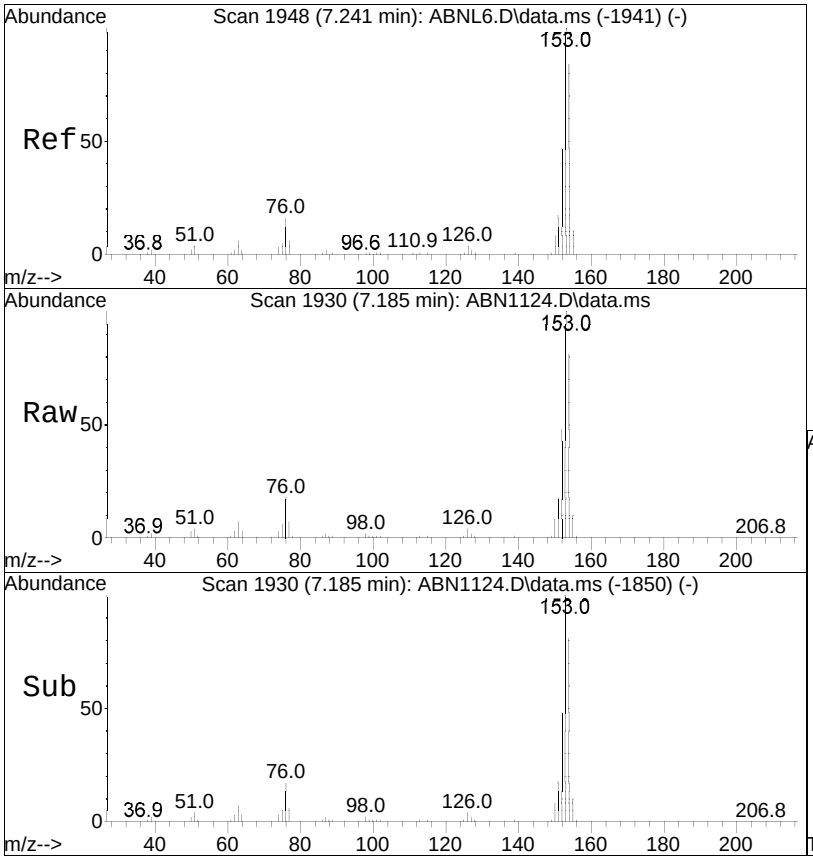


#66
3-Nitroaniline
Concen: 5.47 ug/ml
RT: 7.139 min Scan# 1915
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:138 Resp: 27965

Ion	Ratio	Lower	Upper
138	100		
92	101.6	93.4	140.2
108	8.6	9.5	14.3#

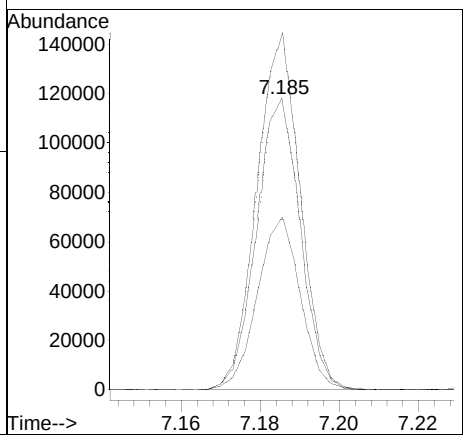


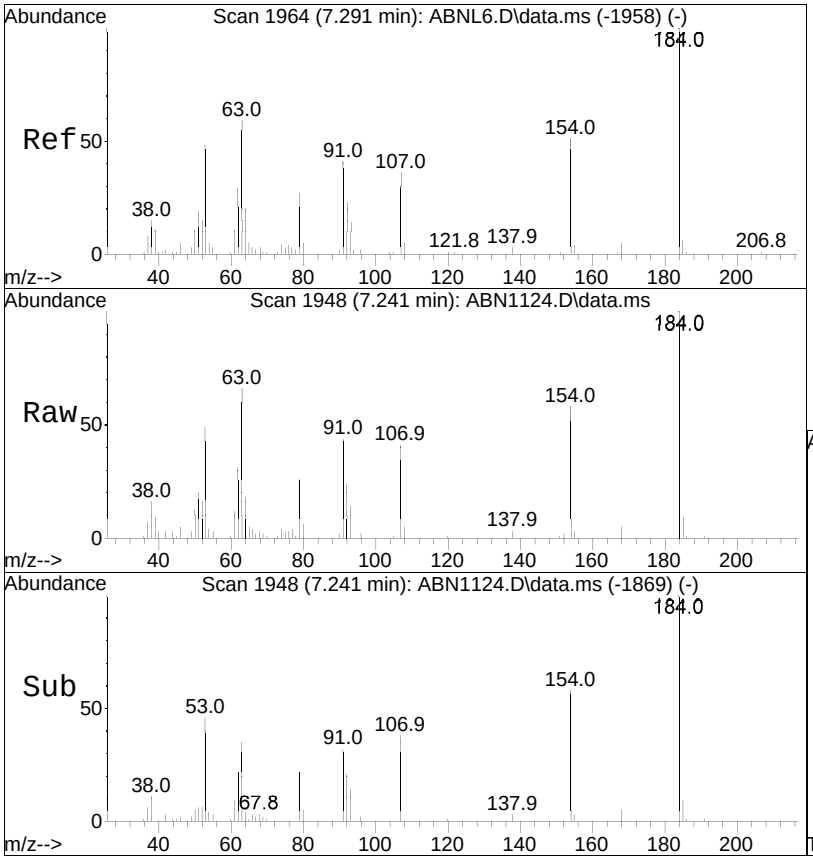


#67
Acenaphthene
Concen: 4.69 ug/ml
RT: 7.185 min Scan# 1930
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:154 Resp: 90331

Ion	Ratio	Lower	Upper
154	100		
153	121.9	85.3	127.9
152	58.4	41.4	62.0

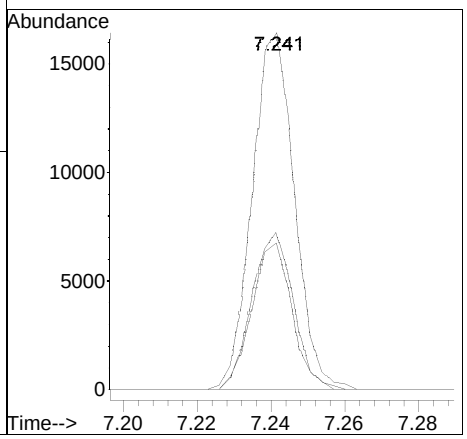


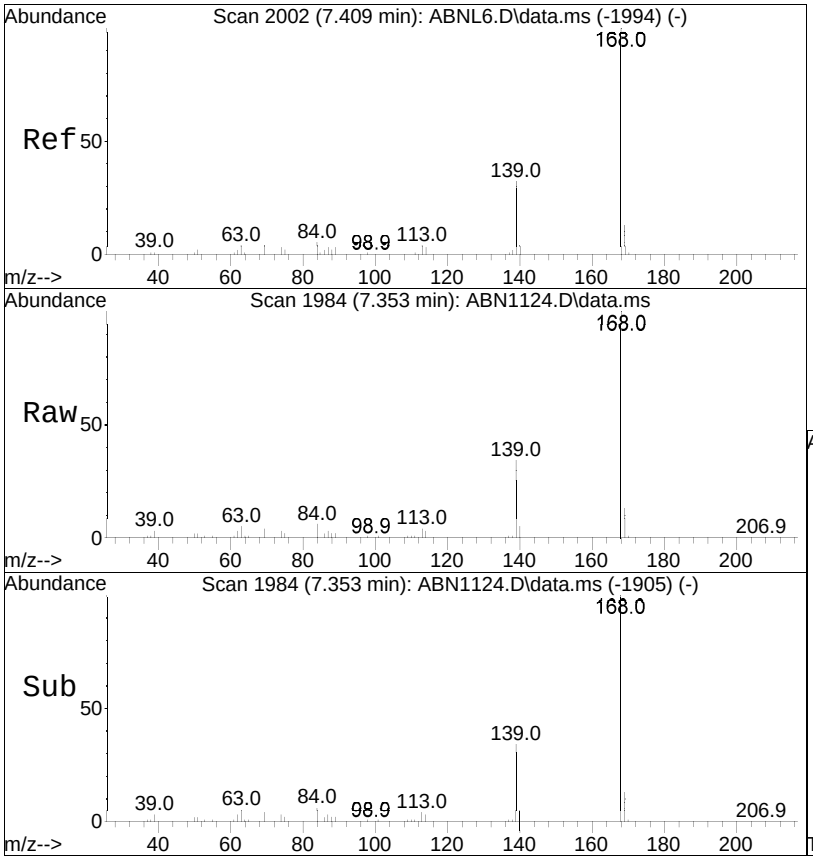


#68
2,4-Dinitrophenol
Concen: 4.17 ug/ml
RT: 7.241 min Scan# 1948
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:184 Resp: 12982

Ion	Ratio	Lower	Upper
184	100		
107	39.2	37.7	56.5
91	43.4	46.3	69.5#

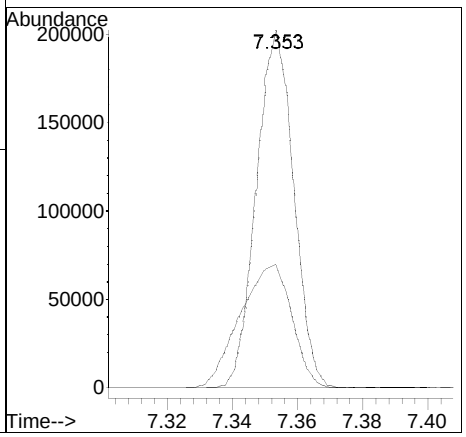


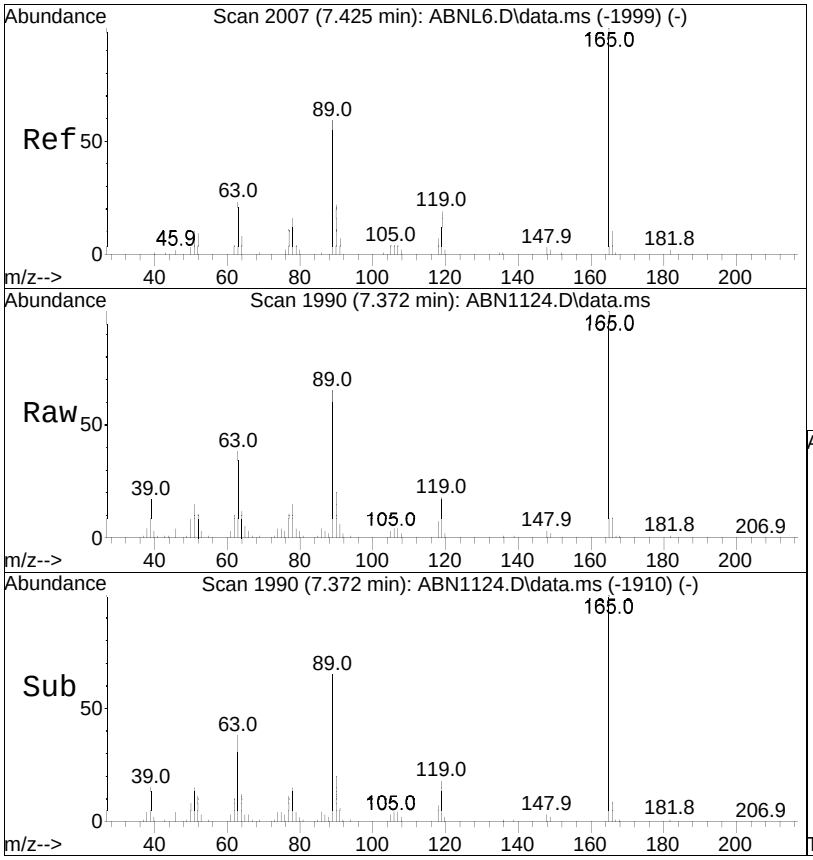


#69
Dibenzofuran
Concen: 4.80 ug/ml
RT: 7.353 min Scan# 1984
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:168 Resp: 159390

Ion	Ratio	Lower	Upper
168	100		
139	48.1	31.4	47.2#

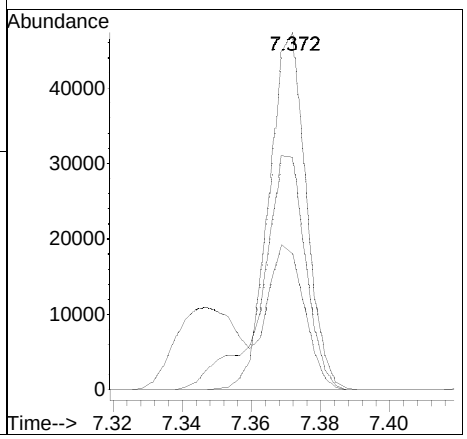


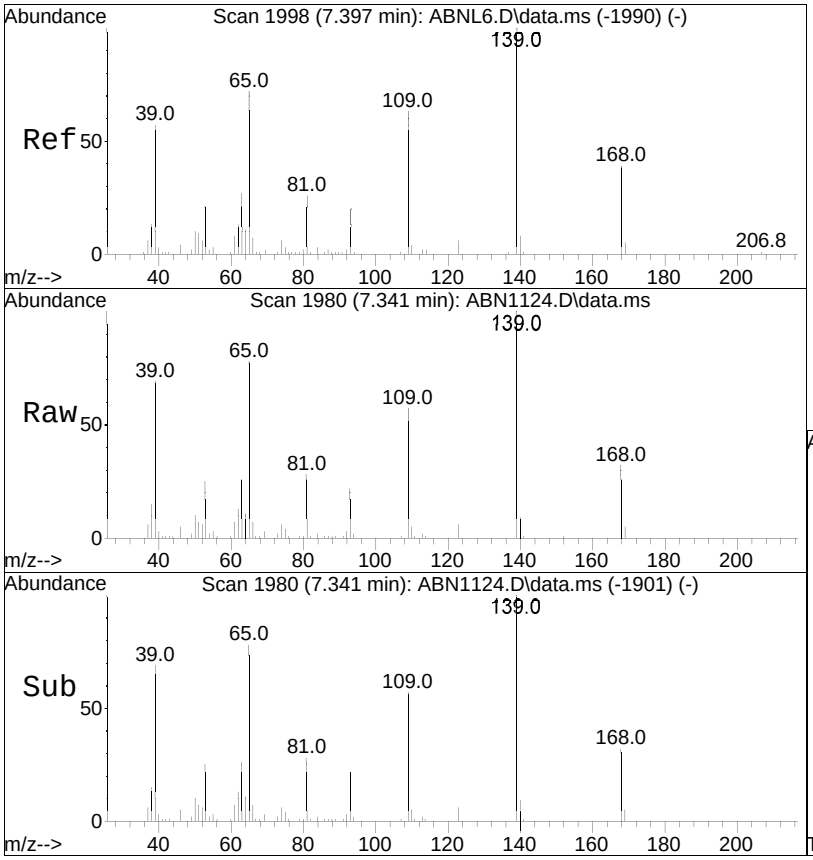


#70
2,4-Dinitrotoluene
Concen: 5.50 ug/ml
RT: 7.372 min Scan# 1990
Delta R.T. 0.000 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:165 Resp: 35273

Ion	Ratio	Lower	Upper
165	100		
89	77.7	72.0	108.0
63	40.6	52.7	79.1#

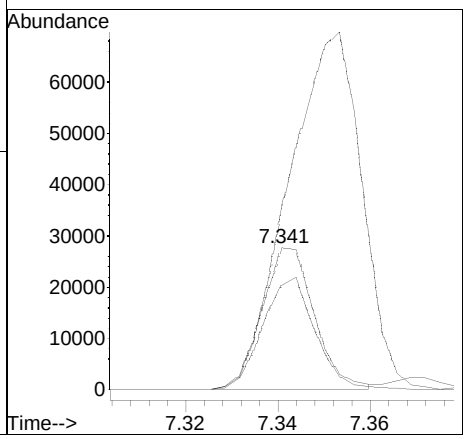


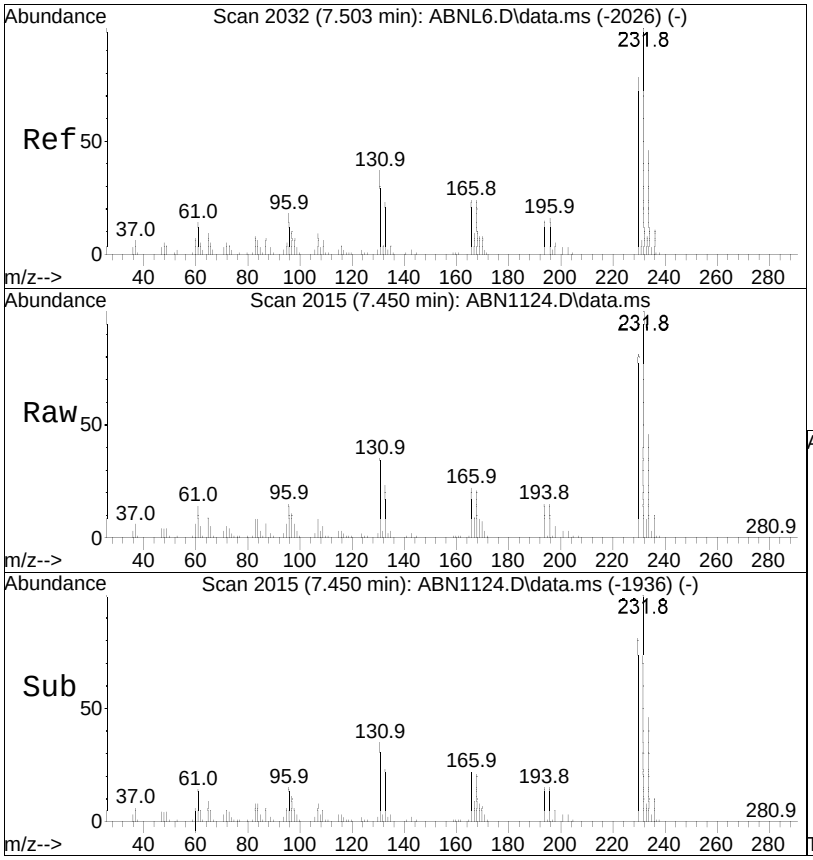


#71
4-Nitrophenol
Concen: 5.75 ug/ml
RT: 7.341 min Scan# 1980
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 65 Resp: 21912

Ion	Ratio	Lower	Upper
65	100		
109	78.3	47.4	71.2#
139	349.6	76.6	115.0#

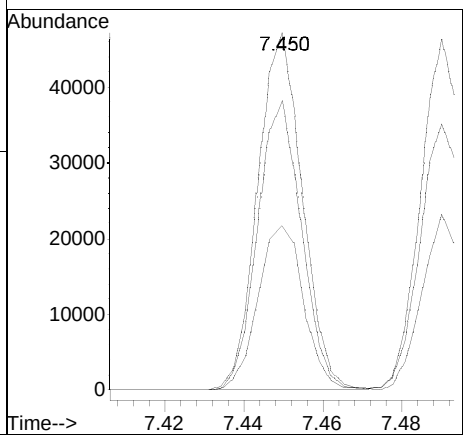


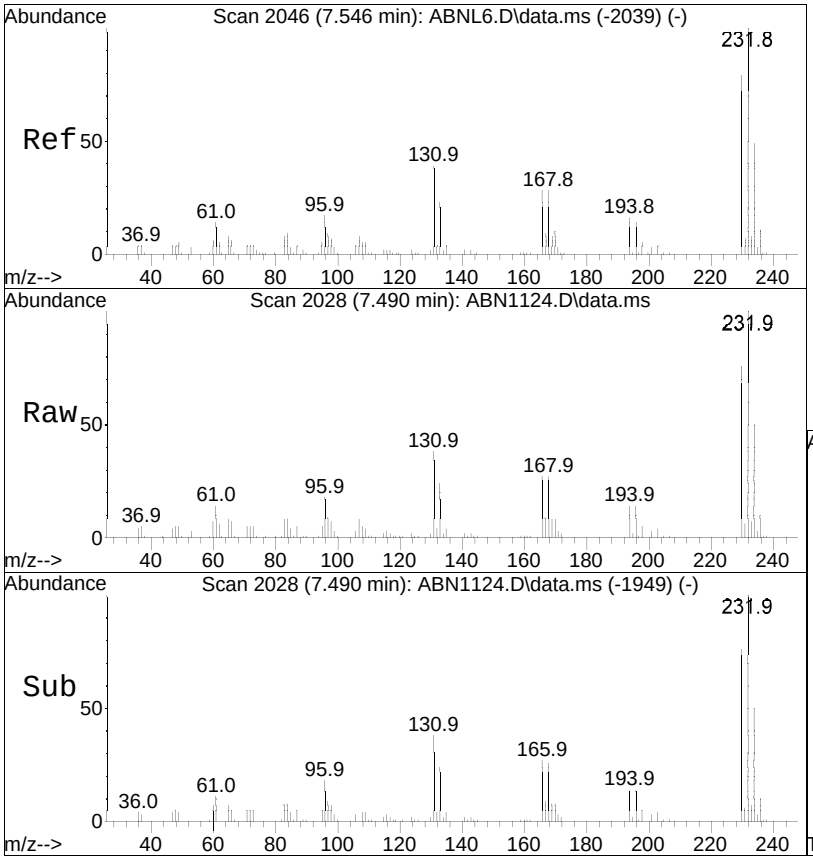


#72
2,3,5,6-Tetrachlorophenol
Concen: 5.12 ug/ml
RT: 7.450 min Scan# 2015
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:232 Resp: 37024

Ion	Ratio	Lower	Upper
232	100		
230	79.8	64.2	96.4
234	47.2	38.1	57.1

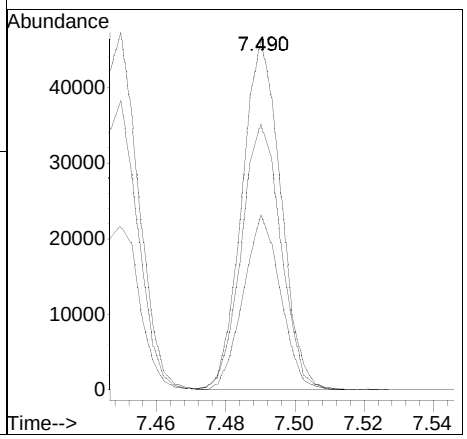


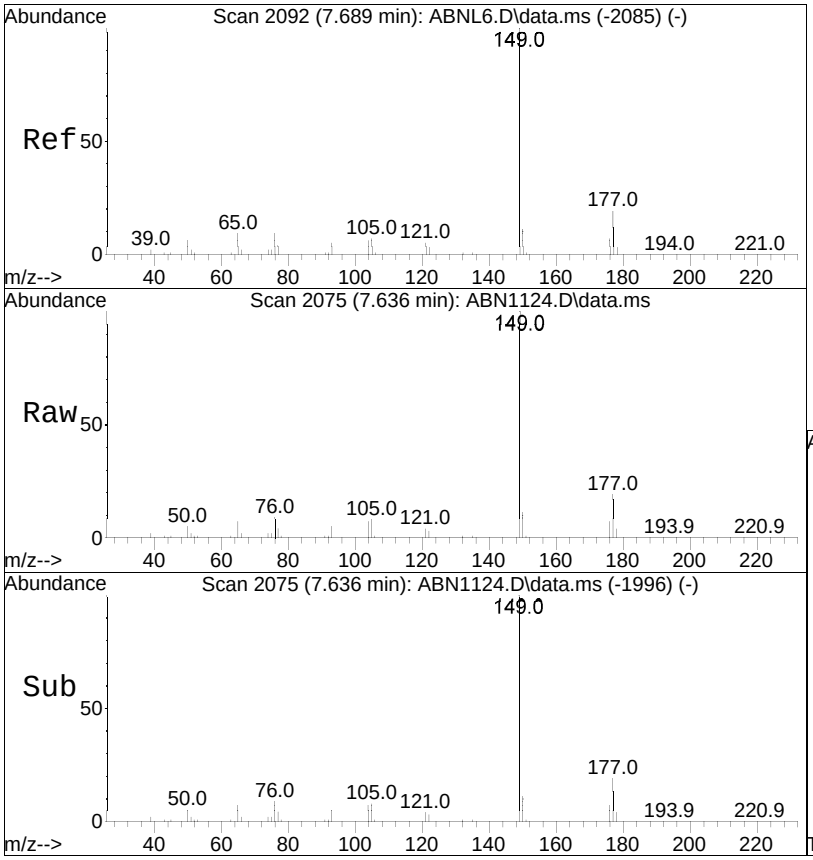


#73
2,3,4,6-Tetrachlorophenol
Concen: 5.09 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:232 Resp: 36057

Ion	Ratio	Lower	Upper
232	100		
230	77.3	61.8	92.8
234	48.3	36.2	54.2

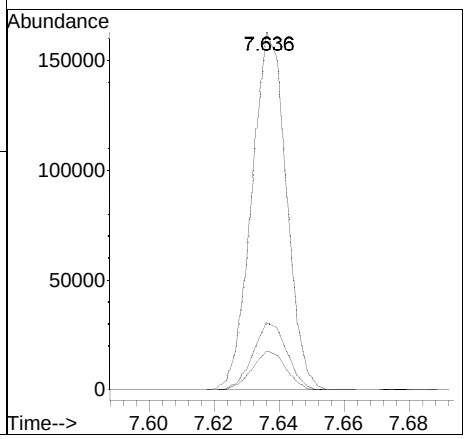


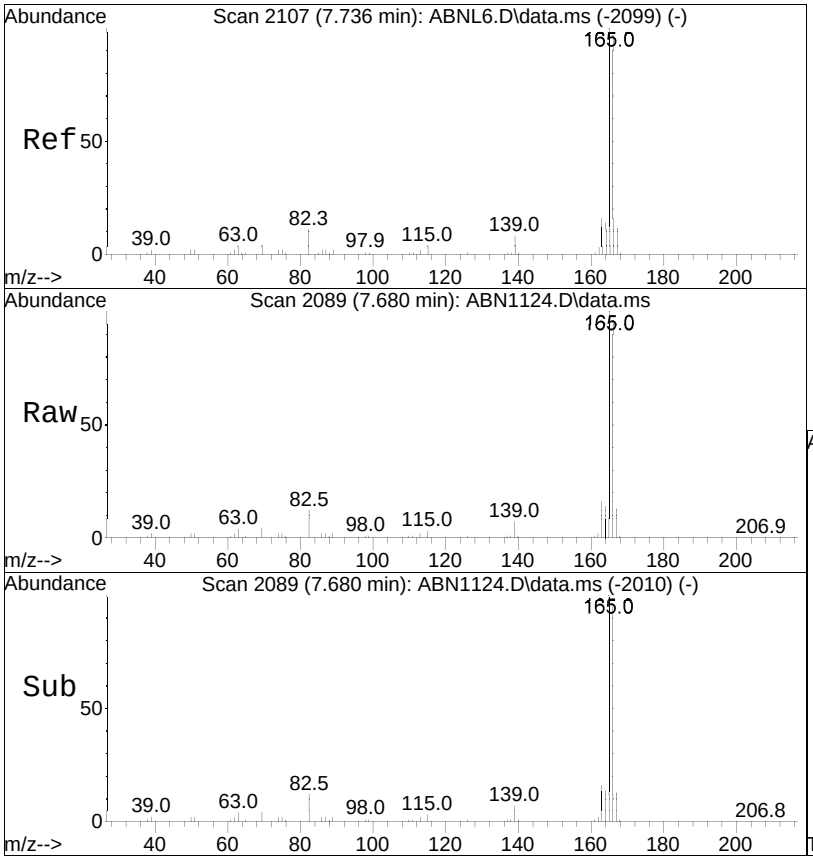


#74
Diethyl phthalate
Concen: 4.57 ug/ml
RT: 7.636 min Scan# 2075
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:149 Resp: 119078

Ion	Ratio	Lower	Upper
149	100		
177	18.6	16.1	24.1
150	10.8	9.4	14.2

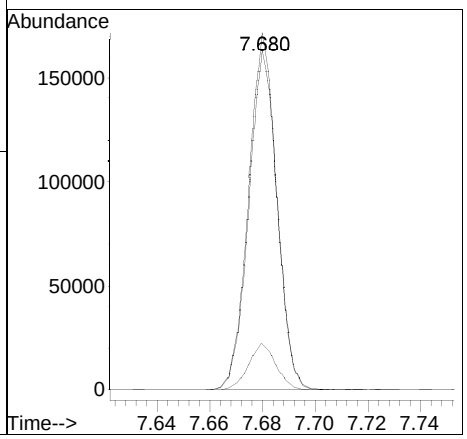


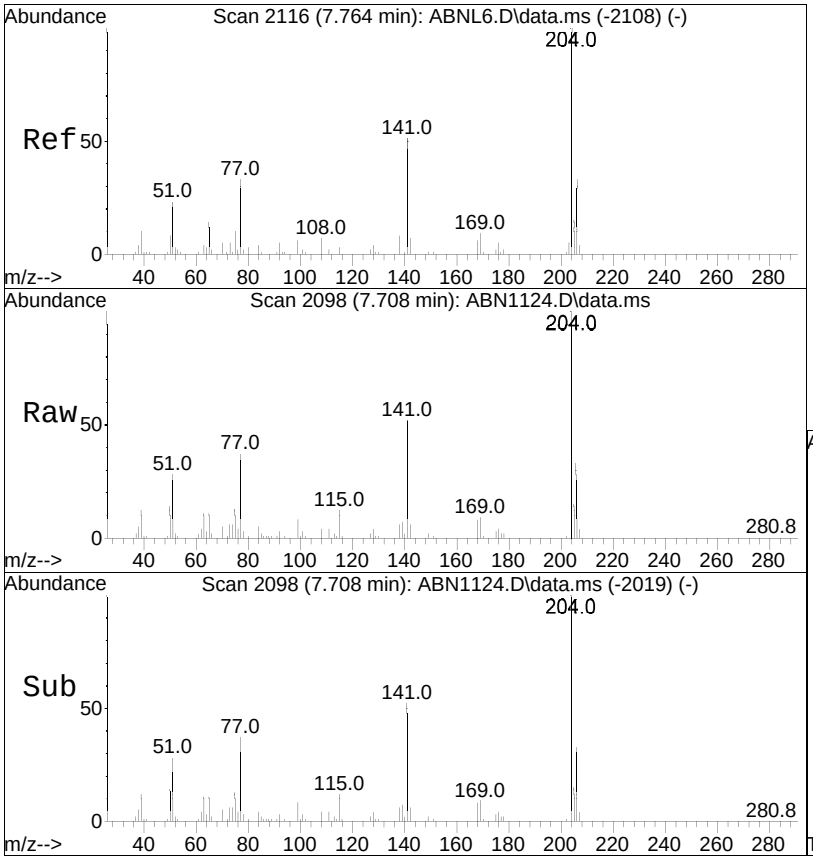


#75
Fluorene
Concen: 4.77 ug/ml
RT: 7.680 min Scan# 2089
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:166 Resp: 121392

Ion	Ratio	Lower	Upper
166	100		
165	105.4	76.2	114.2
167	13.3	10.6	15.8

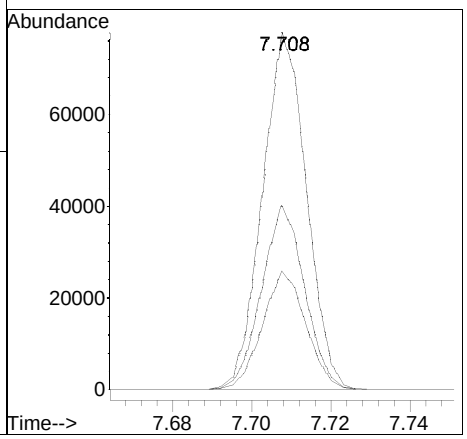


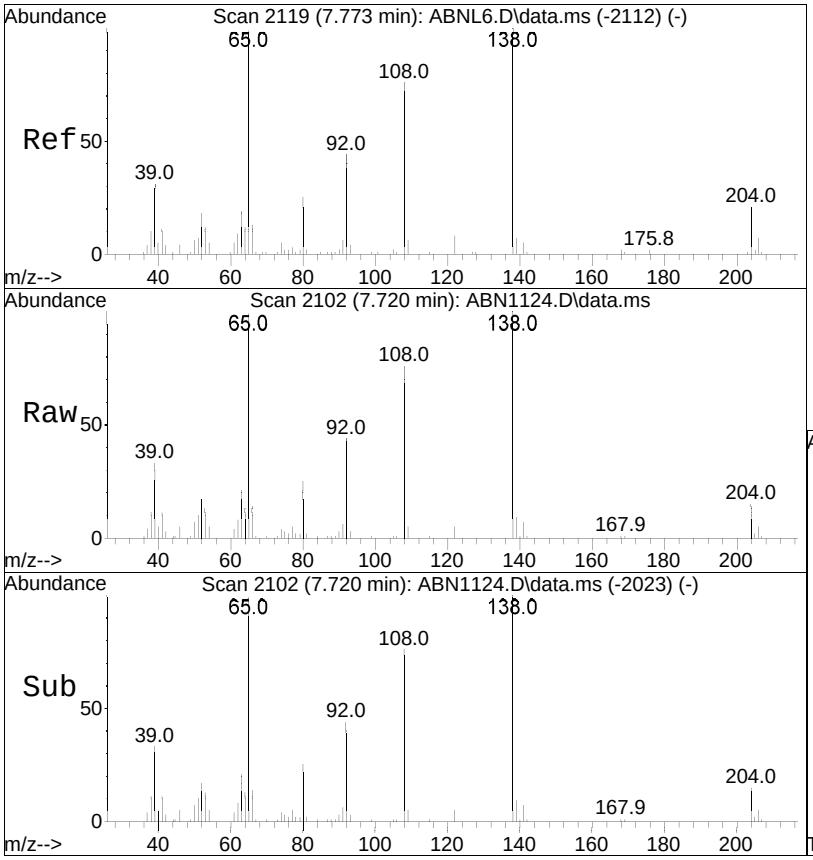


#76
4-Chlorophenyl phenyl ether
Concen: 4.55 ug/ml
RT: 7.708 min Scan# 2098
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:204 Resp: 59672

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.8	38.6
141	50.7	53.6	80.4#

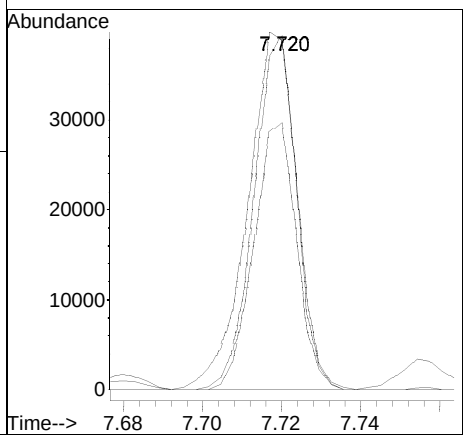


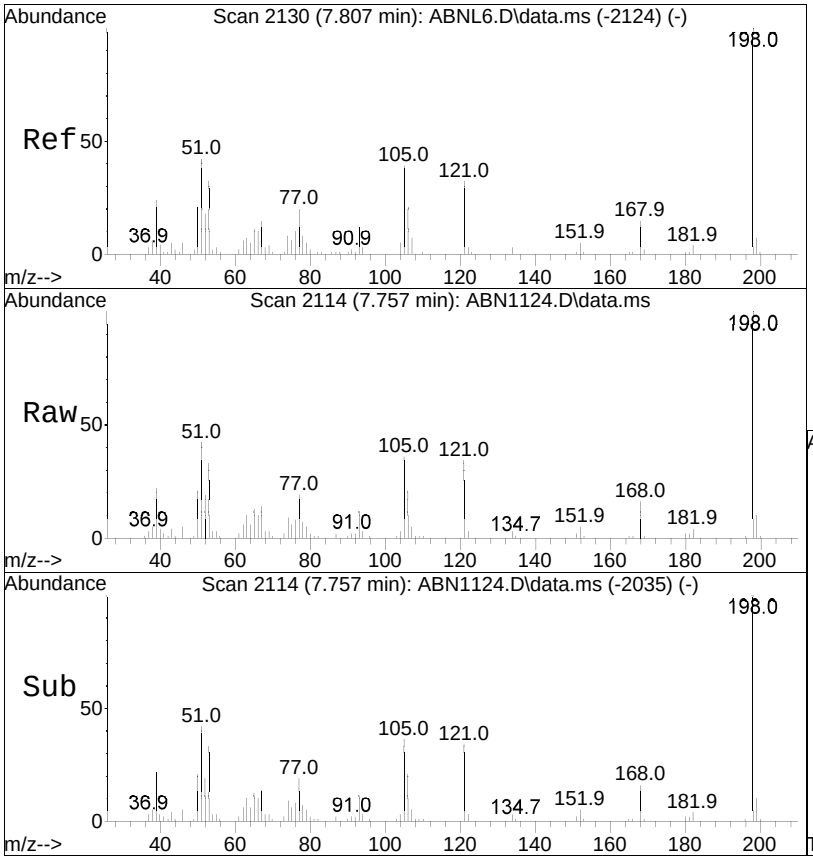


#77
4-Nitroaniline
Concen: 6.01 ug/ml
RT: 7.720 min Scan# 2102
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:138 Resp: 29735

Ion	Ratio	Lower	Upper
138	100		
108	74.6	52.1	78.1
65	112.6	115.0	172.6#

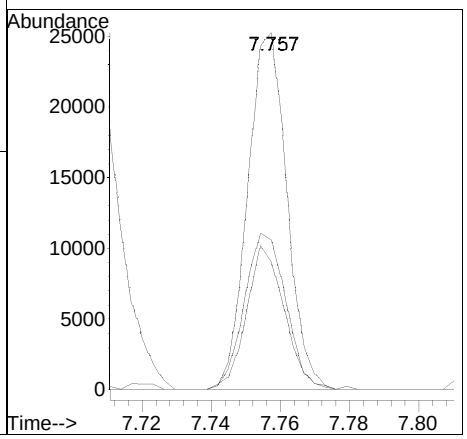


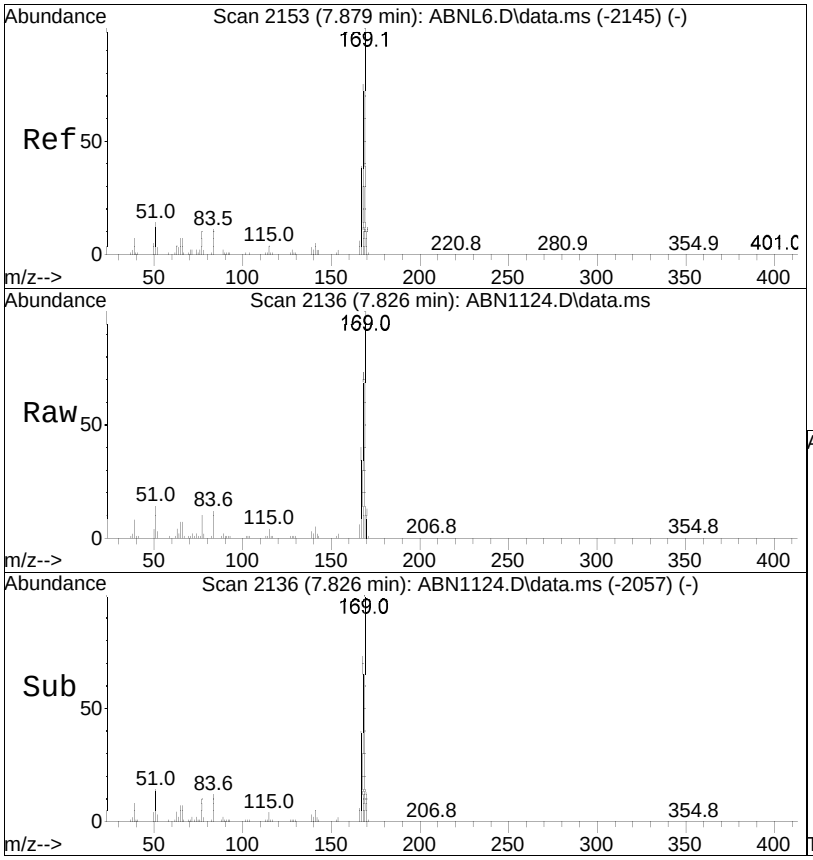


#78
4,6-Dinitro-o-cresol
Concen: 5.13 ug/ml
RT: 7.757 min Scan# 2114
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:198 Resp: 19870

Ion	Ratio	Lower	Upper
198	100		
51	46.4	76.0	114.0#
105	38.9	45.6	68.4#

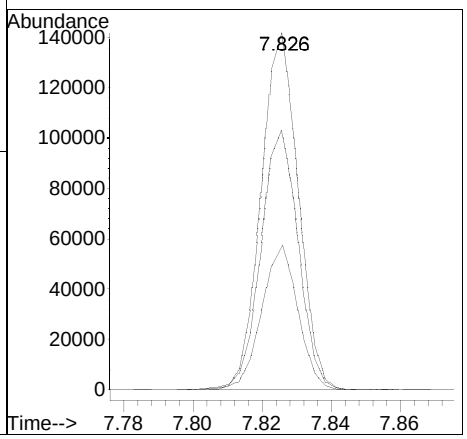


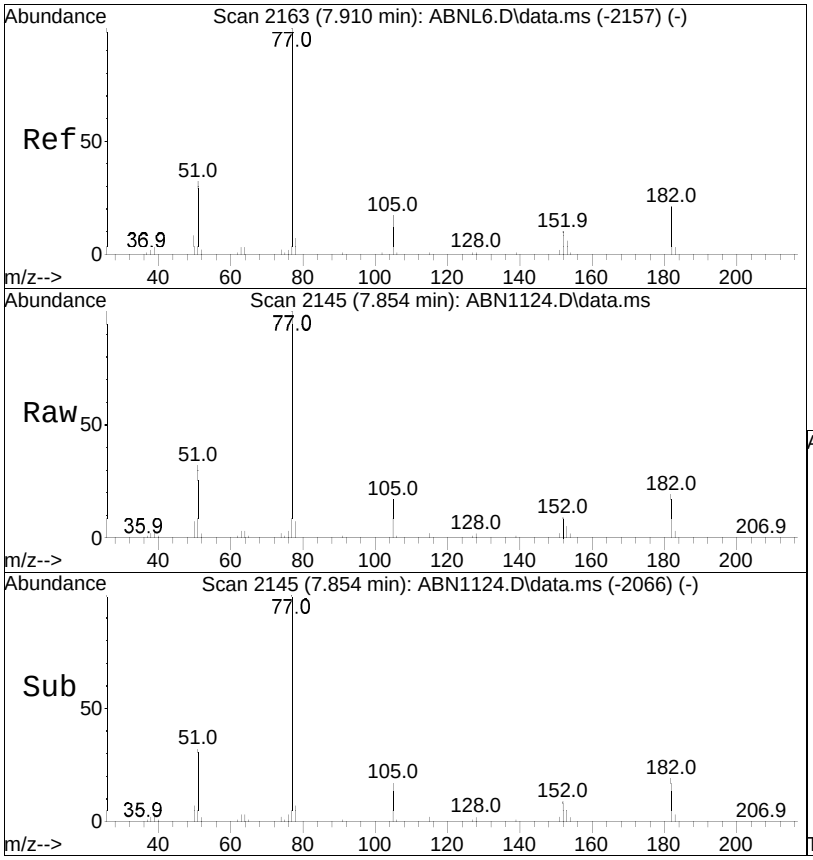


#79
NDPA/DPA
Concen: 4.78 ug/ml
RT: 7.826 min Scan# 2136
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:169 Resp: 105855

Ion	Ratio	Lower	Upper
169	100		
168	73.3	54.0	81.0
167	39.8	28.6	42.8

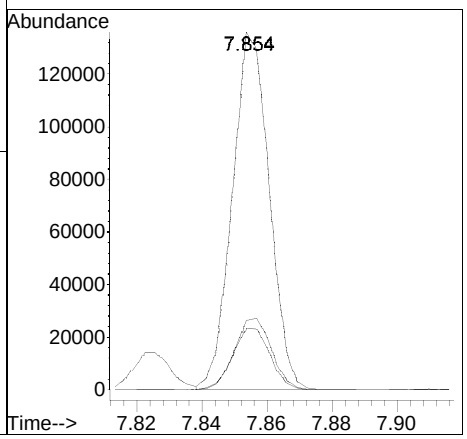


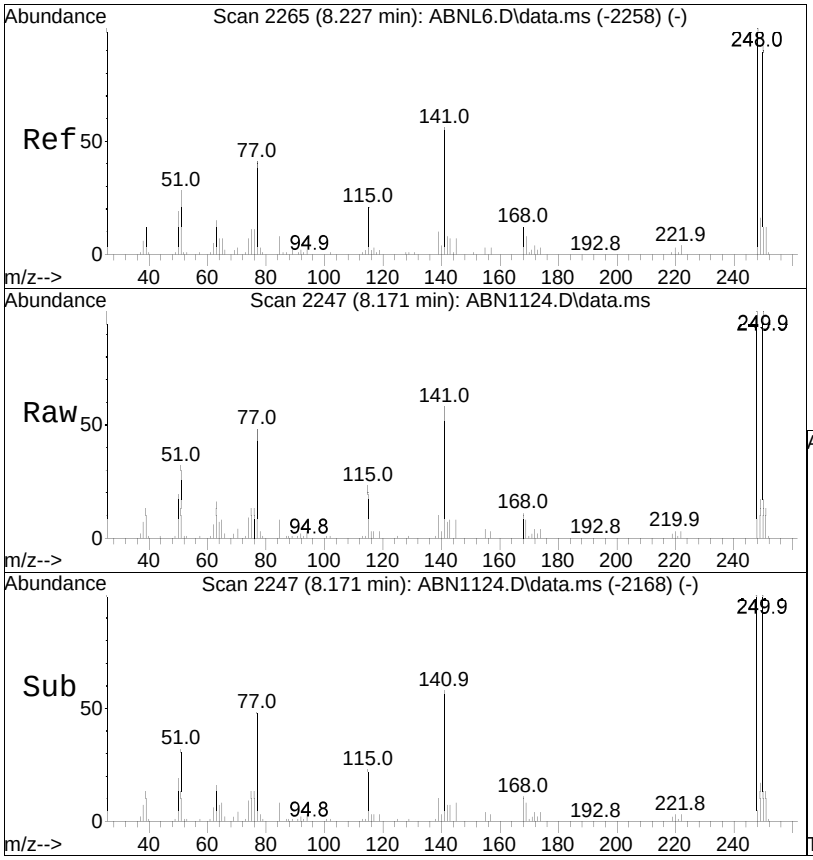


#80
Azobenzene
Concen: 5.01 ug/ml
RT: 7.854 min Scan# 2145
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion: 77 Resp: 106273

Ion	Ratio	Lower	Upper
77	100		
182	20.3	17.4	26.2
105	17.7	15.4	23.2

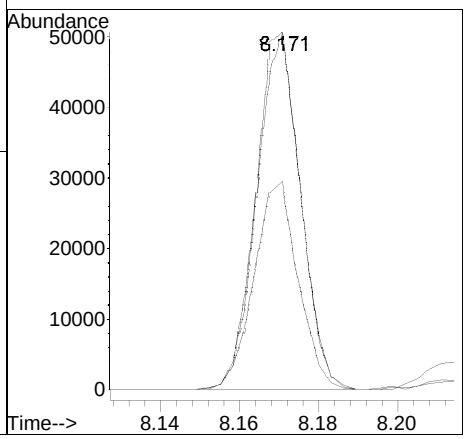


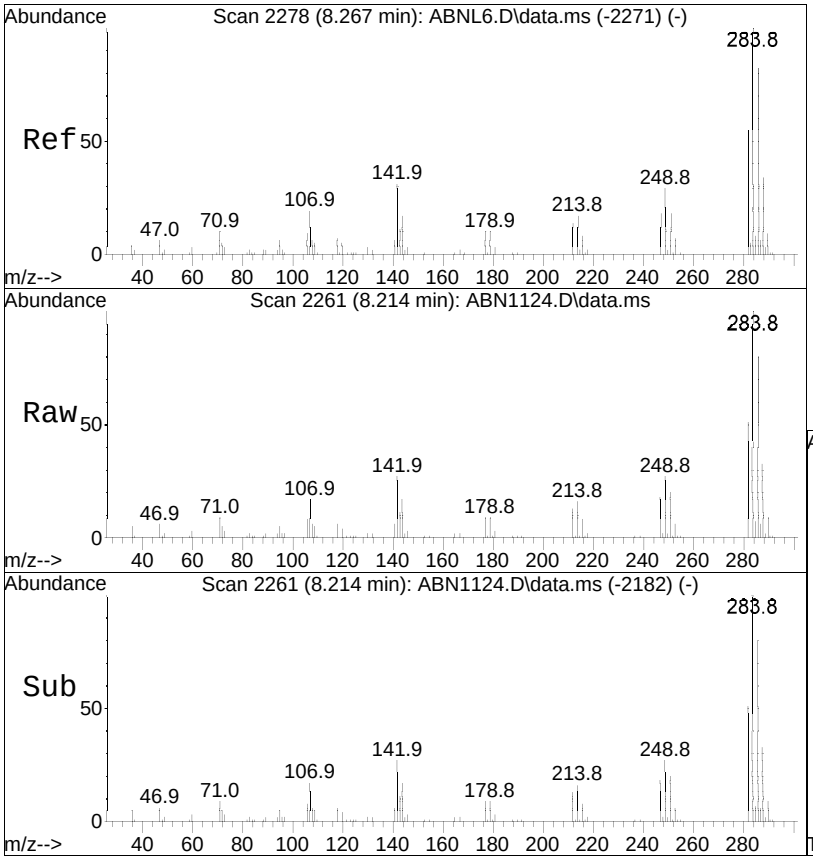


#82
4-Bromophenyl phenyl ether
Concen: 4.57 ug/ml
RT: 8.171 min Scan# 2247
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:248 Resp: 39482

Ion	Ratio	Lower	Upper
248	100		
141	57.4	76.6	114.8#
250	96.7	77.3	115.9

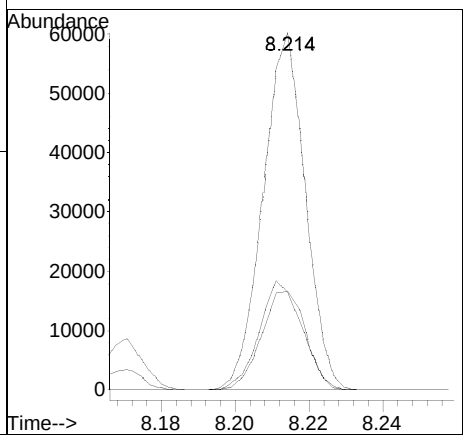


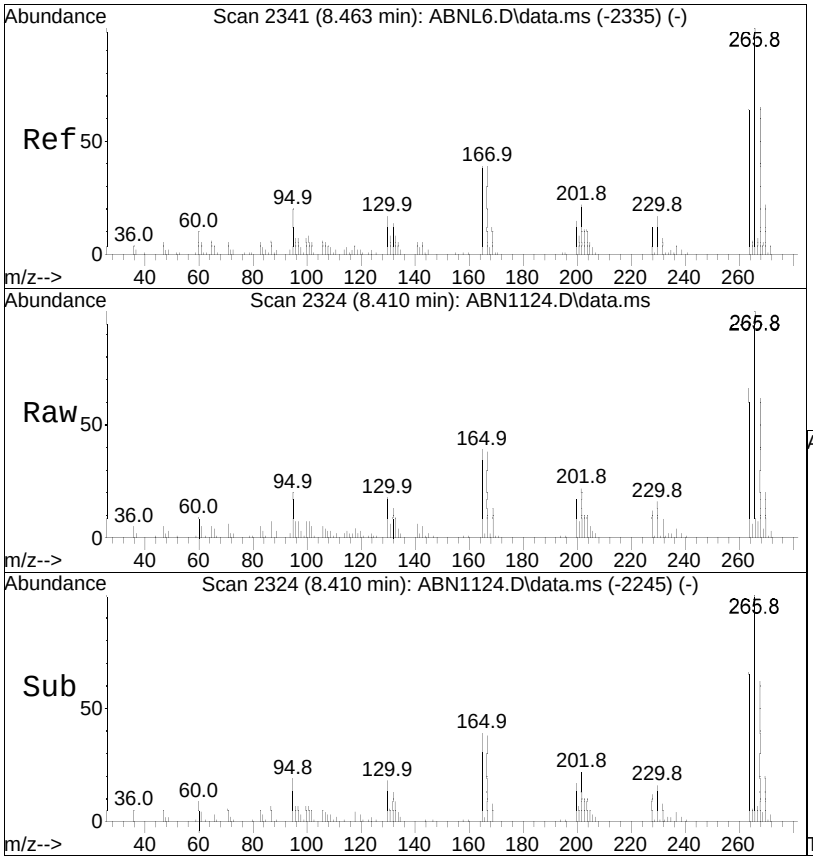


#83
Hexachlorobenzene
Concen: 4.39 ug/ml
RT: 8.214 min Scan# 2261
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:284 Resp: 47696

Ion	Ratio	Lower	Upper
284	100		
142	31.0	41.9	62.9#
249	29.2	24.1	36.1

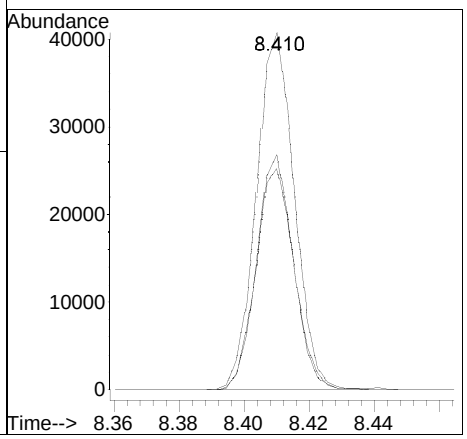


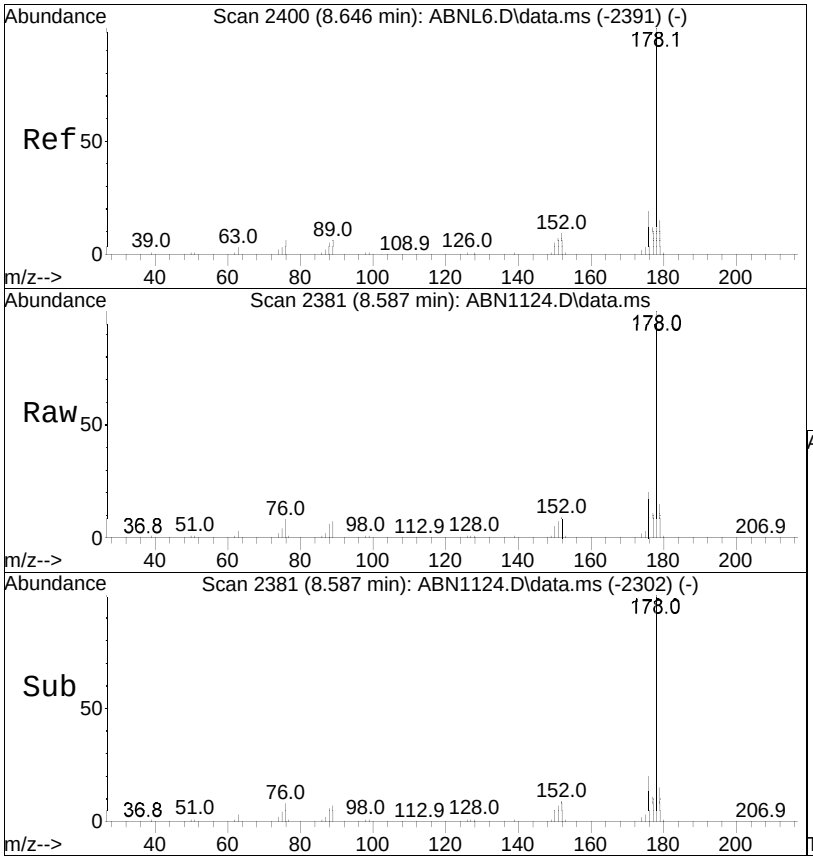


#84
Pentachlorophenol
Concen: 5.61 ug/ml
RT: 8.410 min Scan# 2324
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:266 Resp: 33038

Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.7	74.5
268	62.8	50.5	75.7

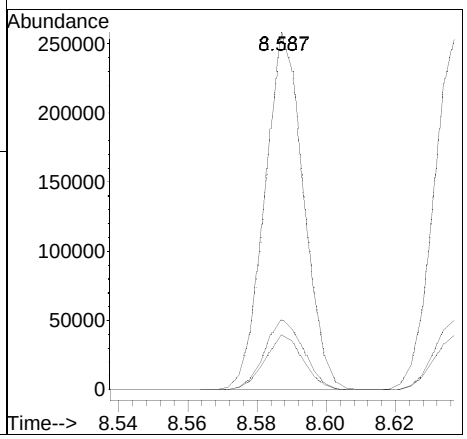


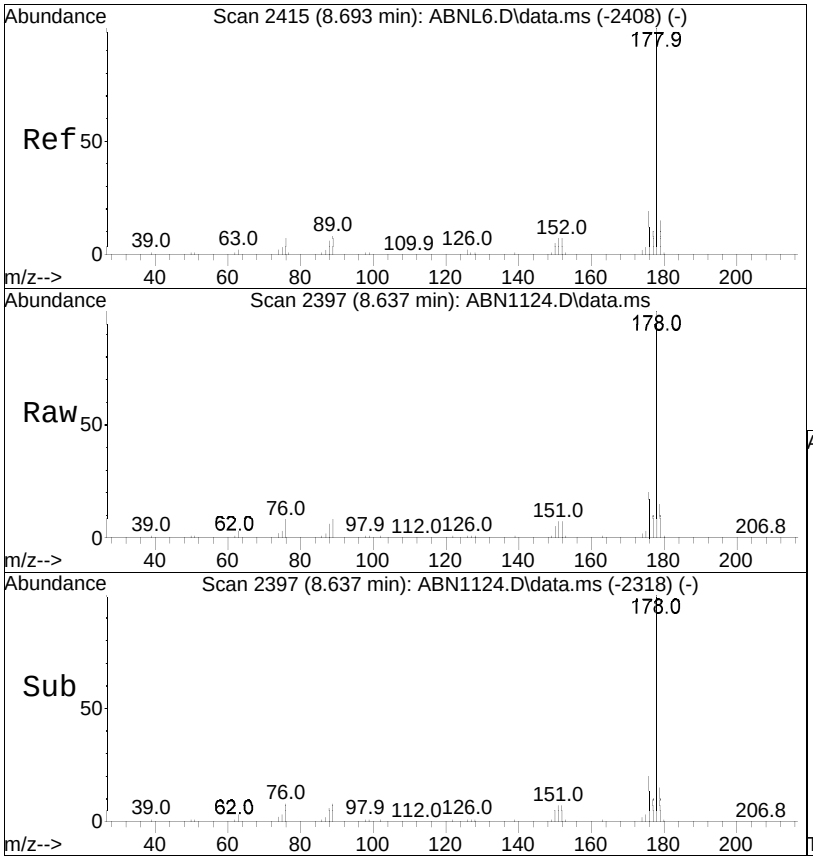


#91
Phenanthrene
Concen: 4.87 ug/ml
RT: 8.587 min Scan# 2381
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:178 Resp: 201736

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.7	15.4	23.2

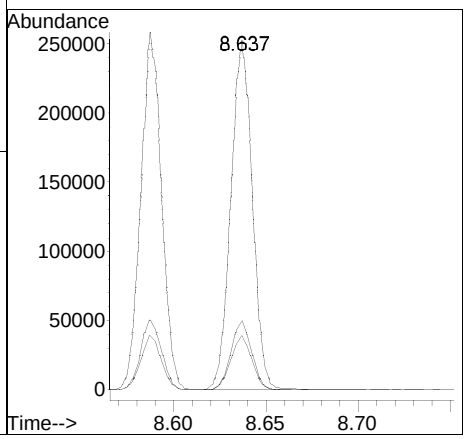


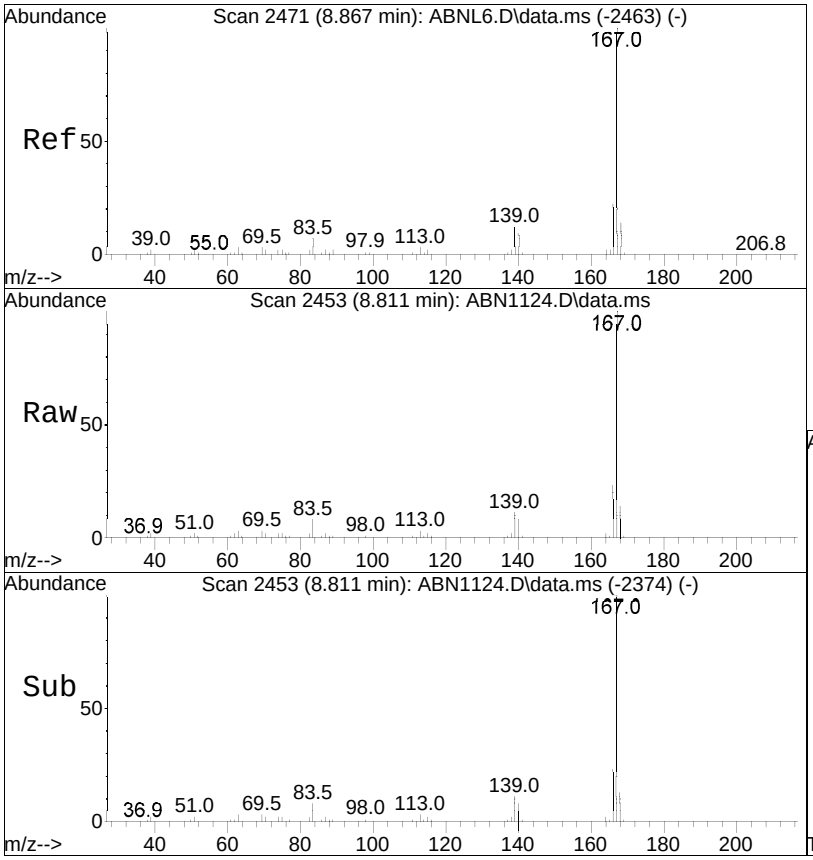


#92
Anthracene
Concen: 5.04 ug/ml
RT: 8.637 min Scan# 2397
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:178 Resp: 204967

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	19.0	14.6	22.0

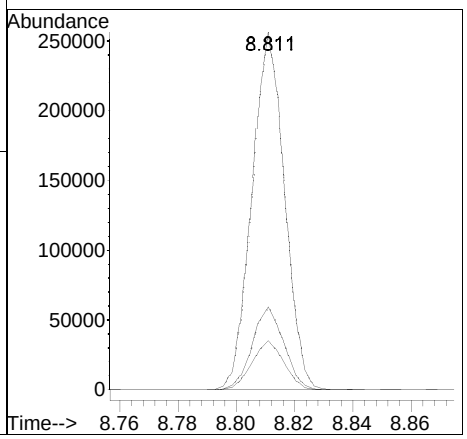


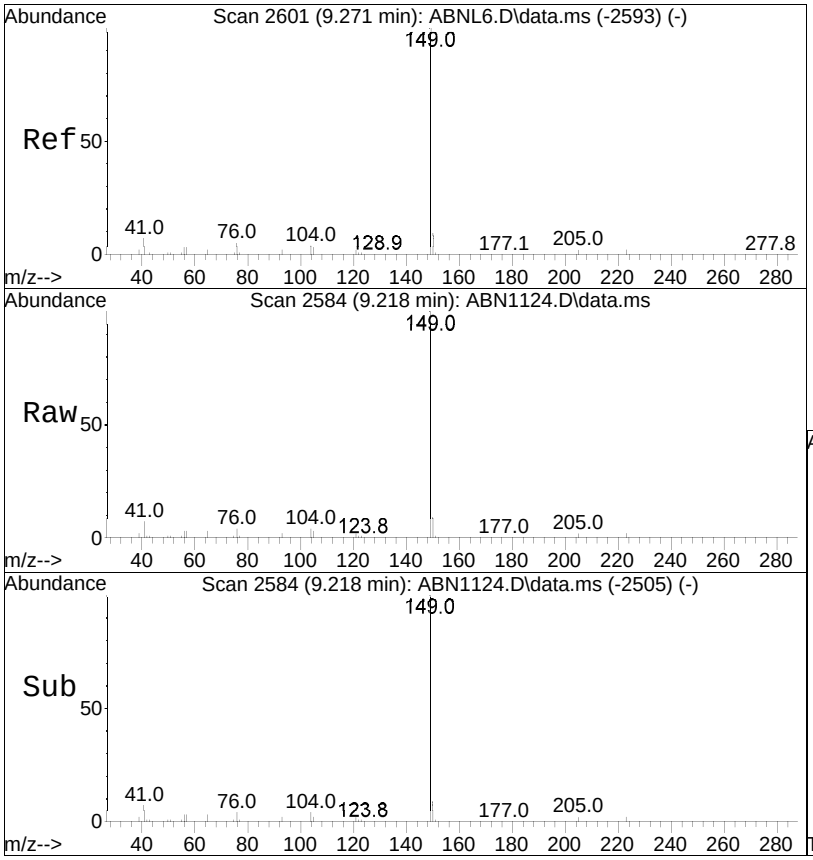


#93
Carbazole
Concen: 5.28 ug/ml
RT: 8.811 min Scan# 2453
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:167 Resp: 197039

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.7	17.4	26.0

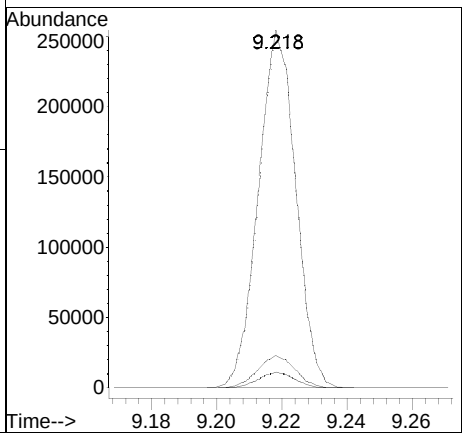


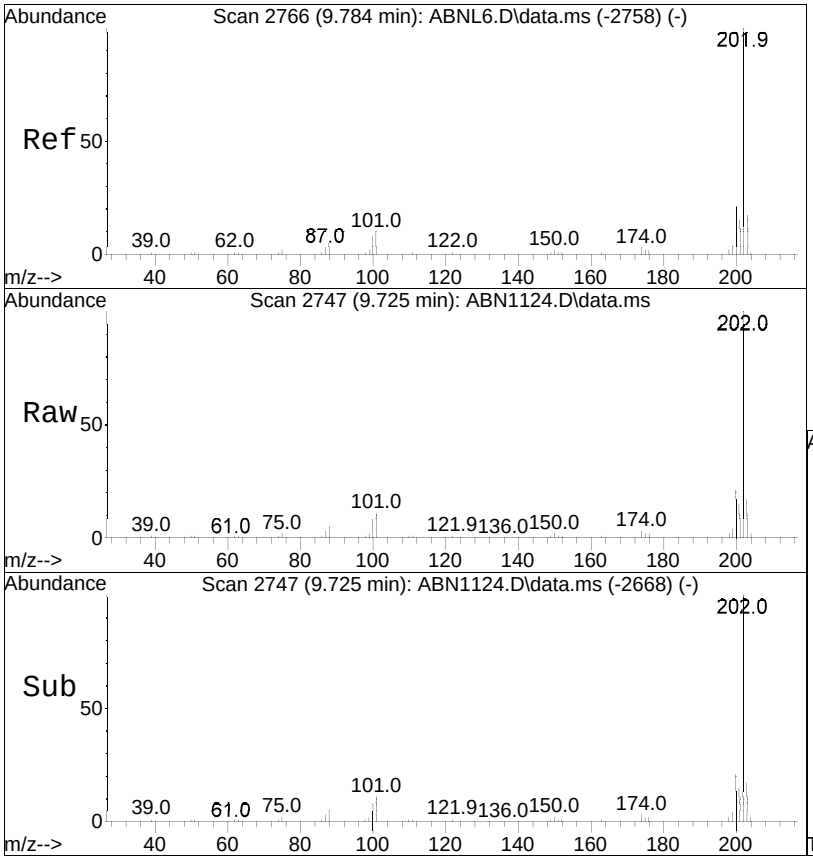


#94
Di-n-butylphthalate
Concen: 4.73 ug/ml
RT: 9.218 min Scan# 2584
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:149 Resp: 199904

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.3	4.5	6.7#

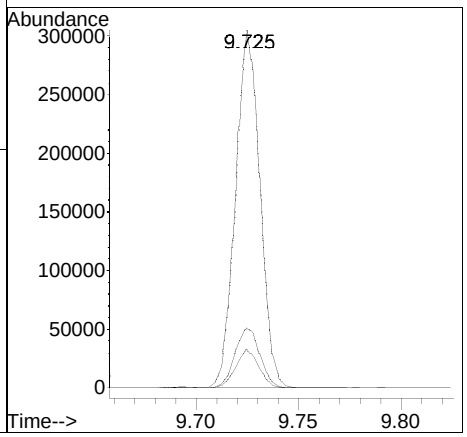


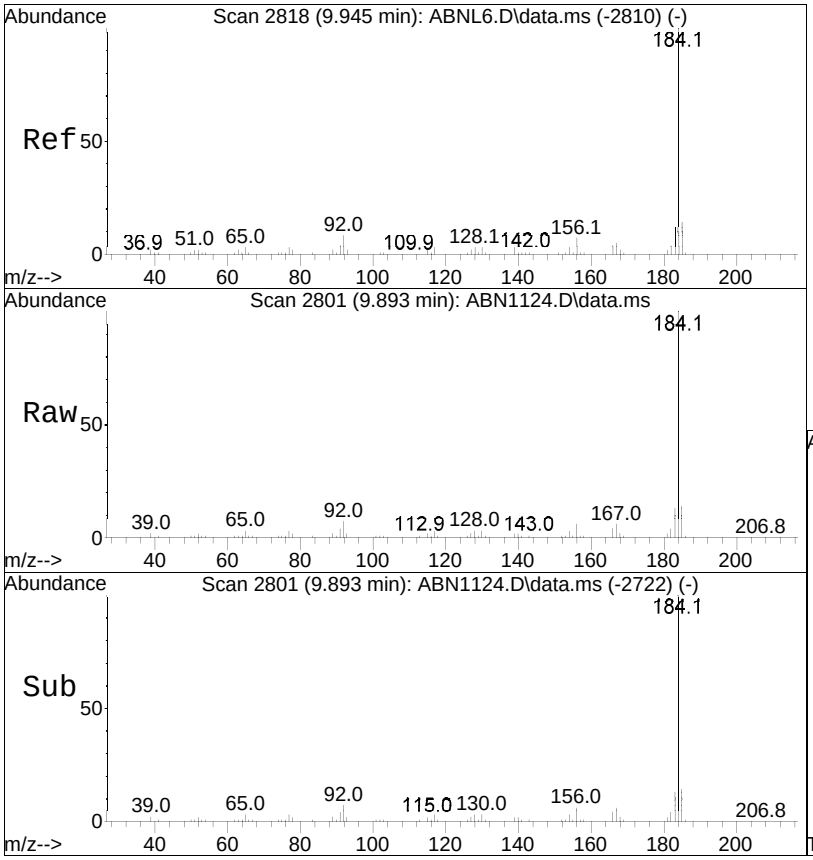


#95
Fluoranthene
Concen: 5.01 ug/ml
RT: 9.725 min Scan# 2747
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:202 Resp: 249773

Ion	Ratio	Lower	Upper
202	100		
101	10.3	13.5	20.3#
203	17.2	13.6	20.4

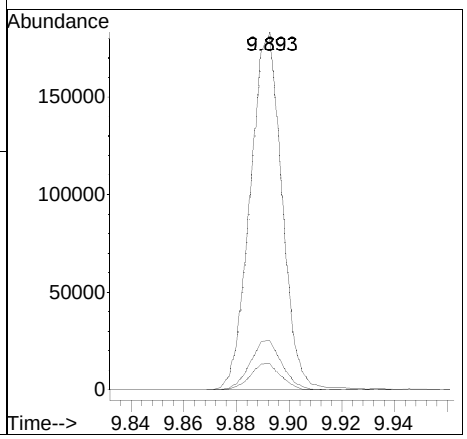


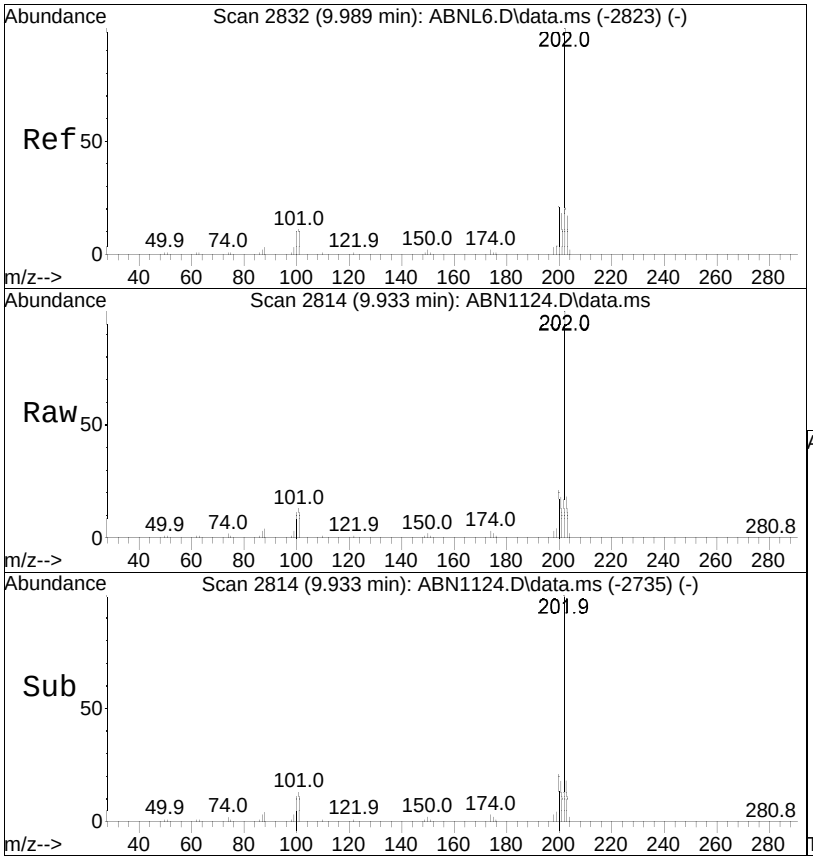


#96
Benzidine
Concen: 5.60 ug/ml
RT: 9.893 min Scan# 2801
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:184 Resp: 151359

Ion	Ratio	Lower	Upper
184	100		
92	7.3	9.1	13.7#
185	13.9	11.1	16.7

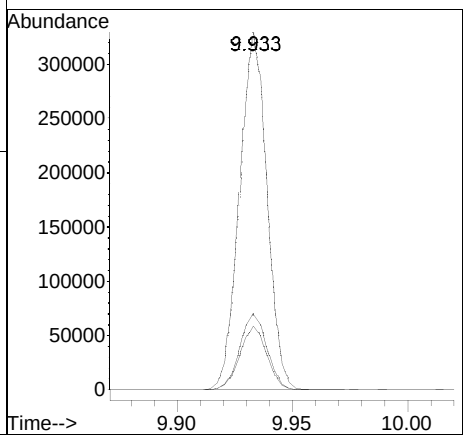


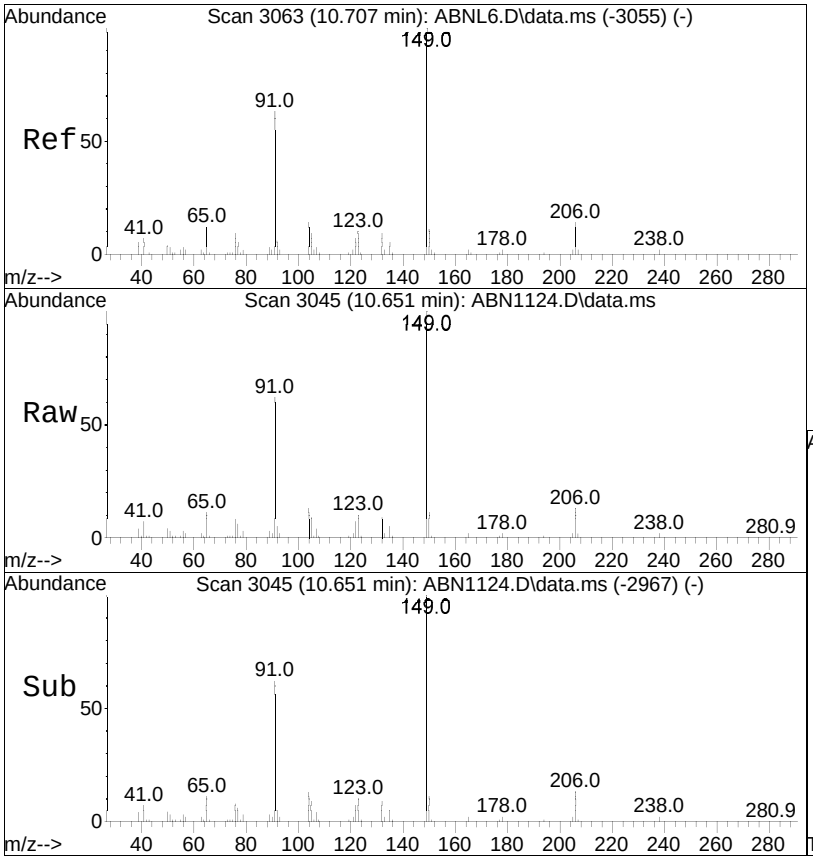


#97
Pyrene
Concen: 5.07 ug/ml
RT: 9.933 min Scan# 2814
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:202 Resp: 269968

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	14.2	21.4

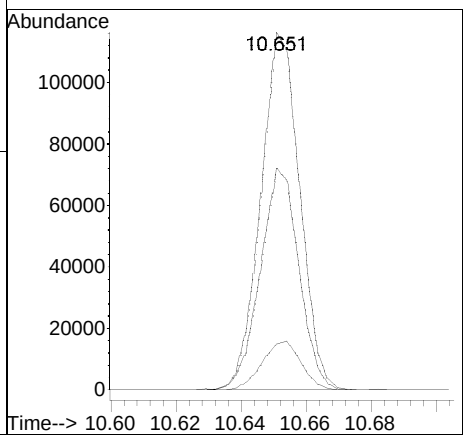


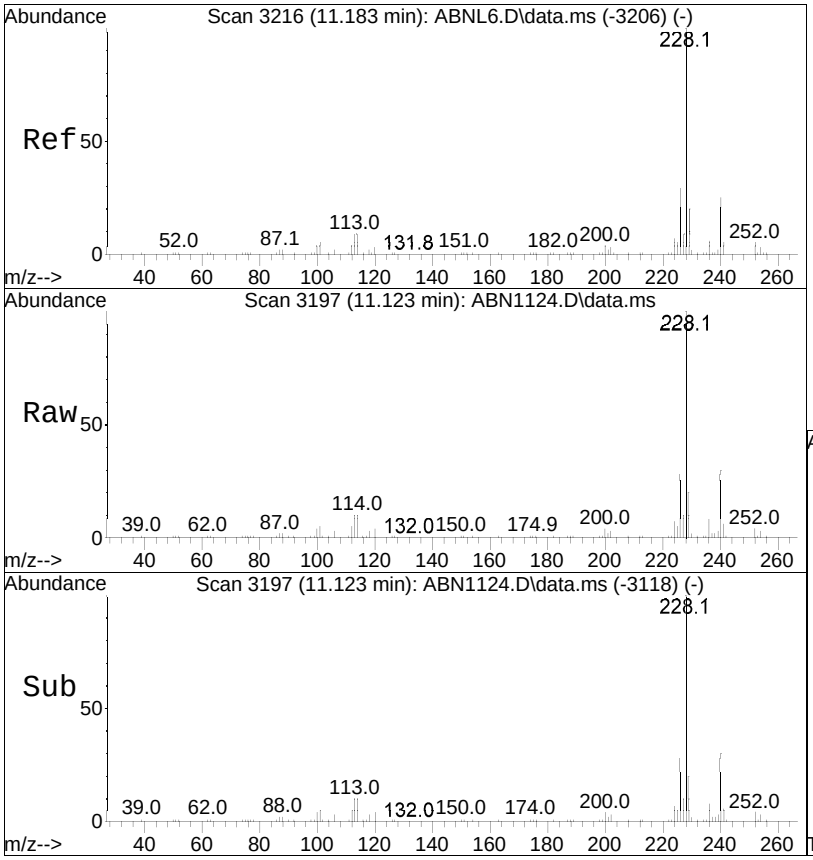


#99
Butyl benzyl phthalate
Concen: 5.27 ug/ml
RT: 10.651 min Scan# 3045
Delta R.T. -0.006 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:149 Resp: 95421

Ion	Ratio	Lower	Upper
149	100		
91	61.7	63.3	94.9#
206	13.6	13.9	20.9#

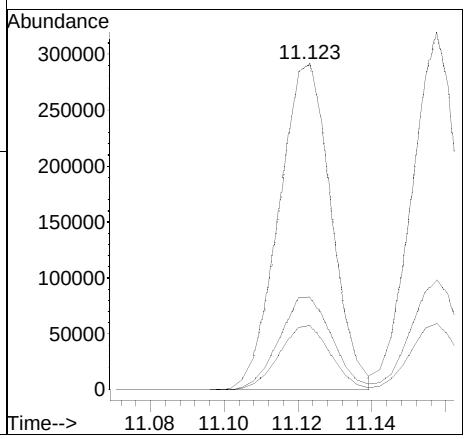


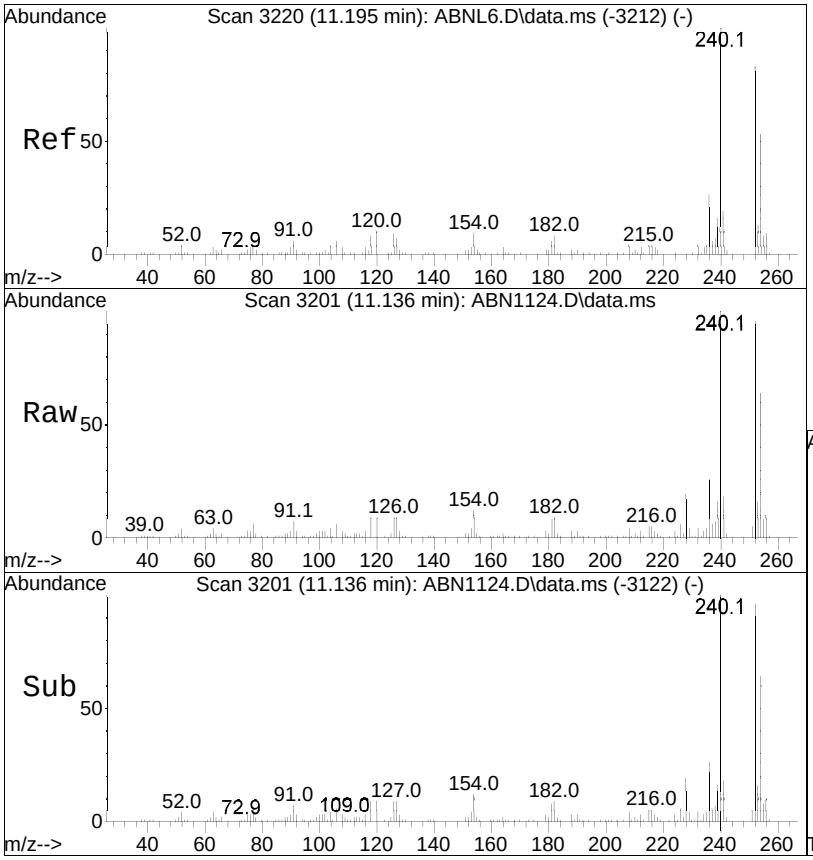


#107
Benzo(a)anthracene
Concen: 4.86 ug/ml
RT: 11.123 min Scan# 3197
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:228 Resp: 286339

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.4
229	19.5	15.6	23.4

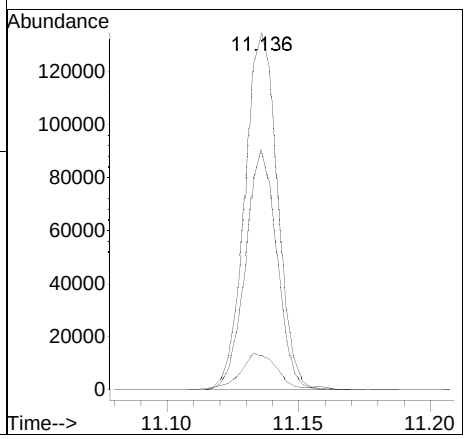


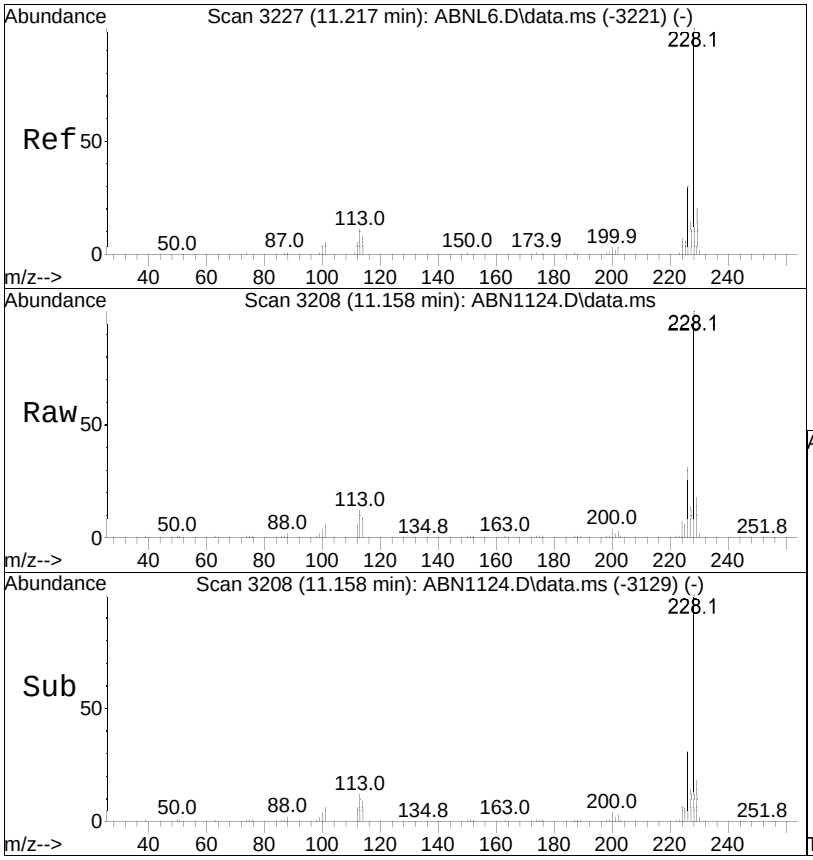


#108
3,3'-Dichlorobenzidine
Concen: 5.28 ug/ml
RT: 11.136 min Scan# 3201
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:252 Resp: 115989

Ion	Ratio	Lower	Upper
252	100		
126	12.2	14.5	21.7#
254	64.8	51.2	76.8

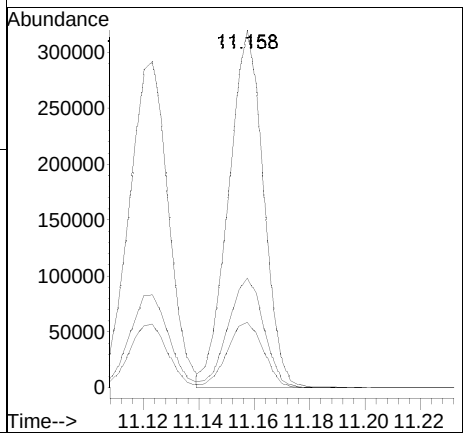


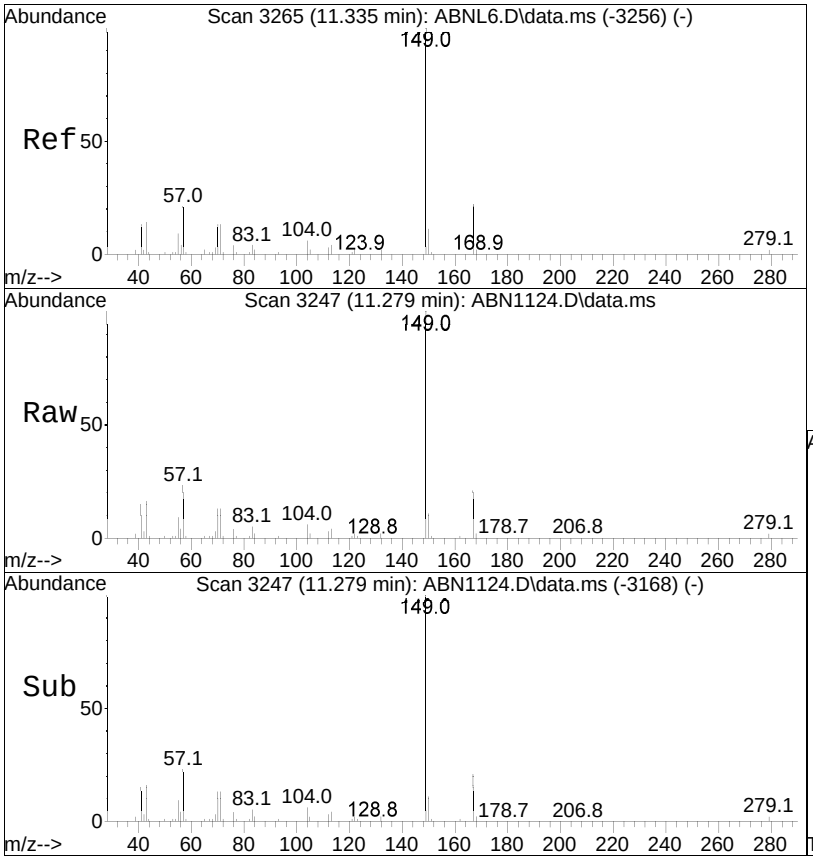


#109
Chrysene
Concen: 4.77 ug/ml
RT: 11.158 min Scan# 3208
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:228 Resp: 280226

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.0	36.0
229	19.1	15.8	23.8

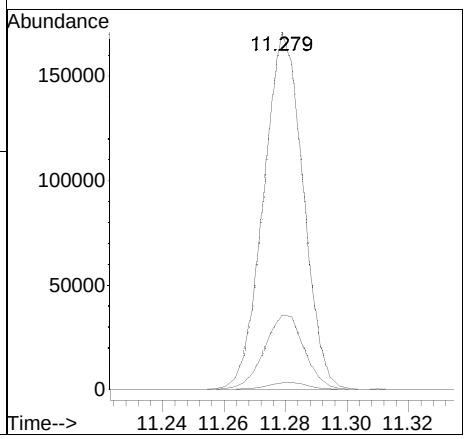


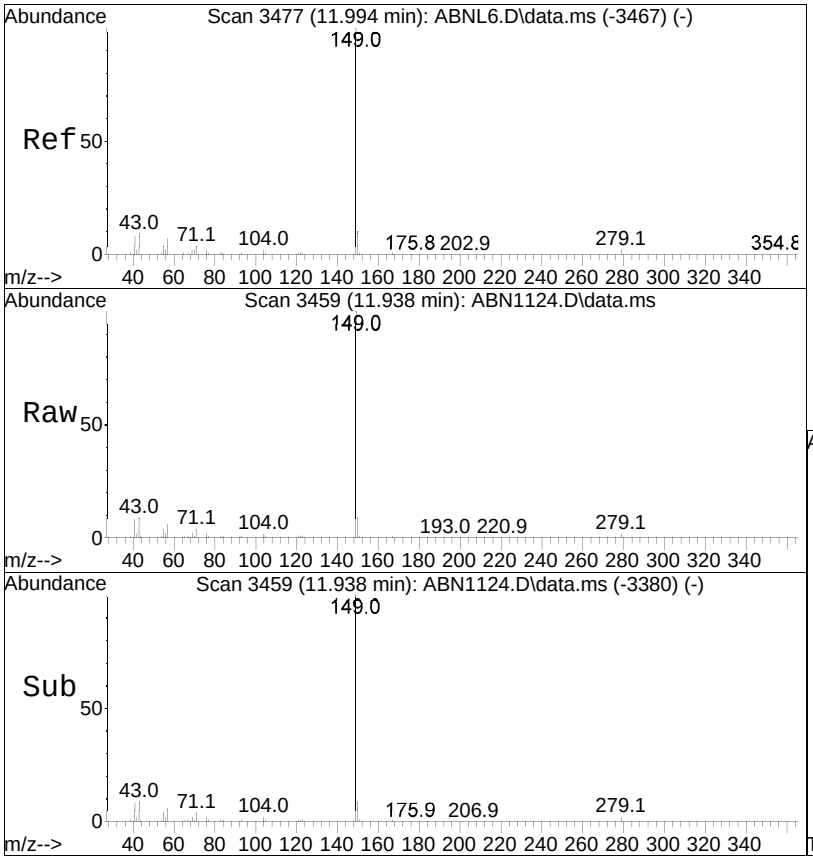


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.77 ug/ml
RT: 11.279 min Scan# 3247
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:149 Resp: 150923

Ion	Ratio	Lower	Upper
149	100		
167	21.2	22.1	33.1#
279	1.8	3.0	4.4#

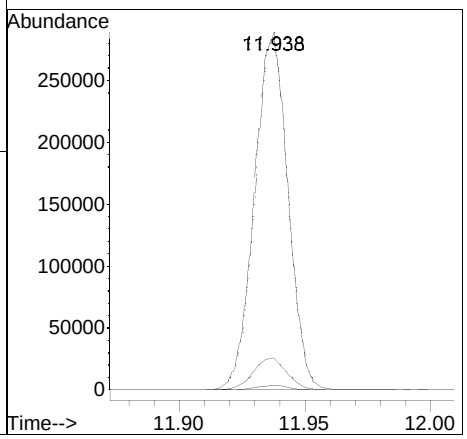


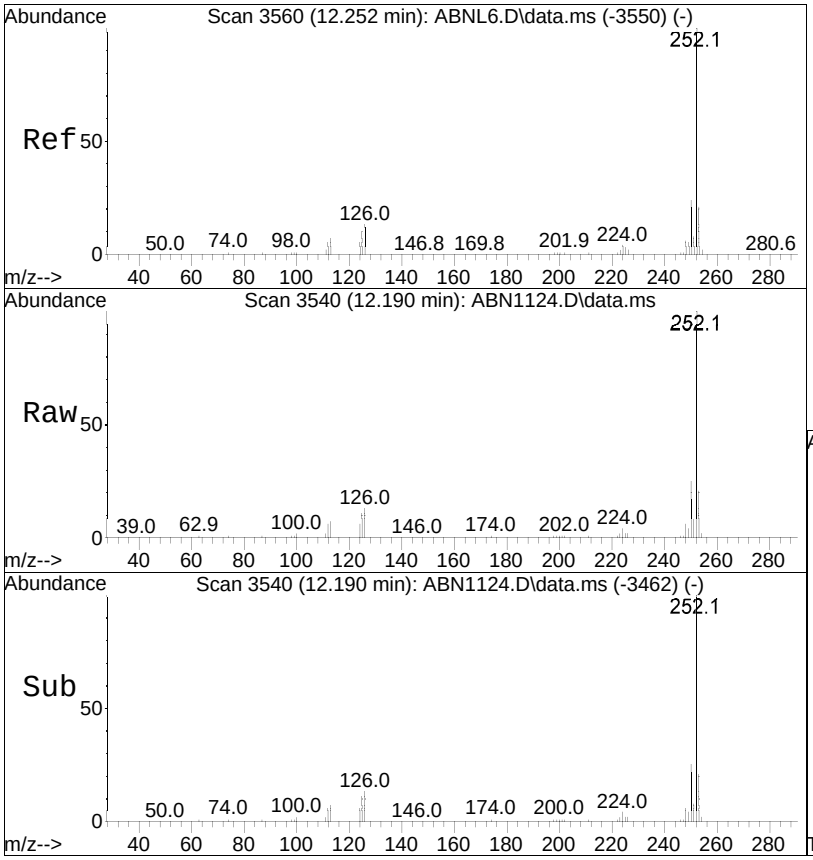


#111
Di-n-octylphthalate
Concen: 4.98 ug/ml
RT: 11.938 min Scan# 3459
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:149 Resp: 262739

Ion	Ratio	Lower	Upper
149	100		
43	9.0	18.8	28.2#
167	1.2	1.3	1.9#

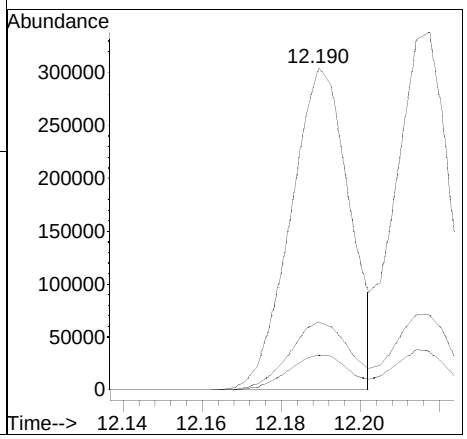


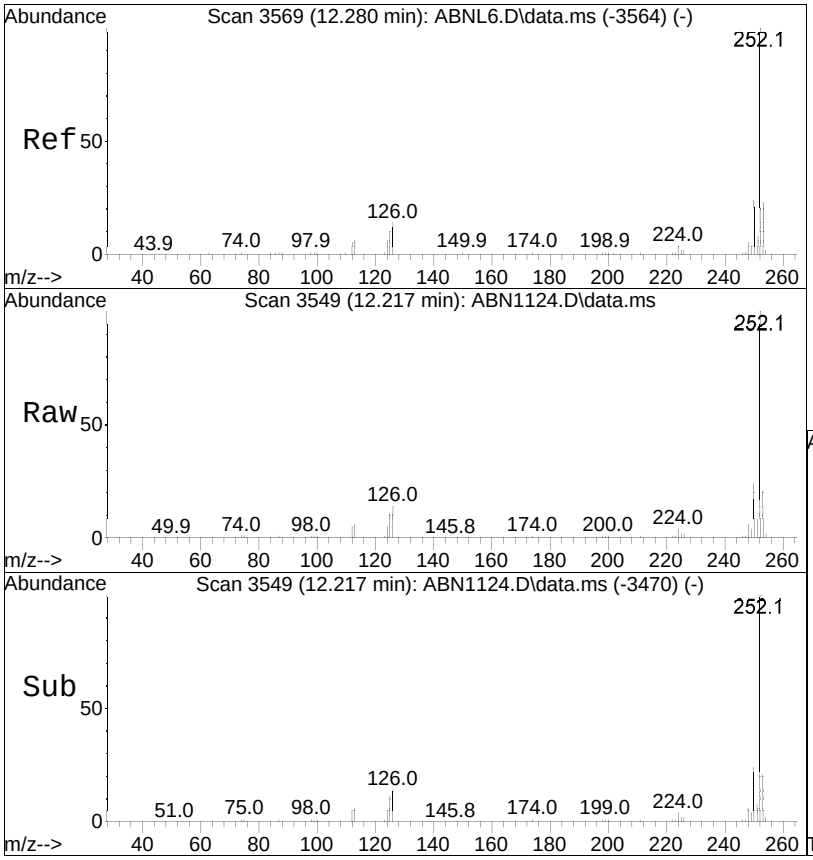


#112
Benzo(b)fluoranthene
Concen: 5.11 ug/ml
RT: 12.190 min Scan# 3540
Delta R.T. -0.006 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:252 Resp: 315813

Ion	Ratio	Lower	Upper
252	100		
125	11.1	13.3	19.9#
253	21.7	17.1	25.7

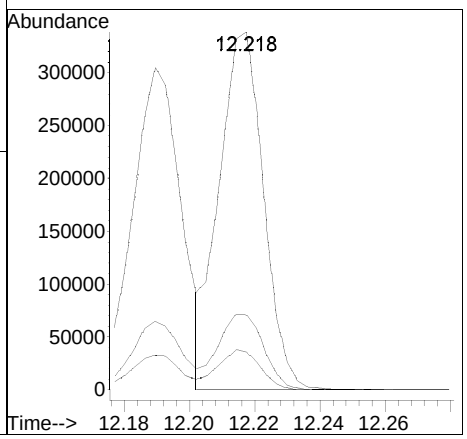


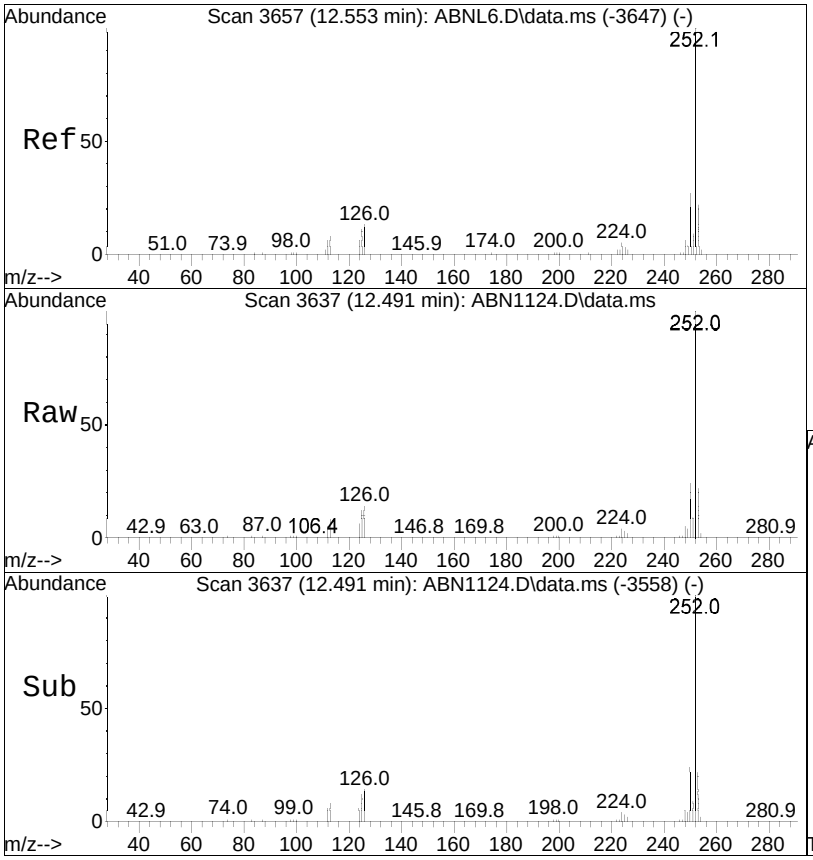


#113
Benzo(k)fluoranthene
Concen: 5.32 ug/ml
RT: 12.217 min Scan# 3549
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:252 Resp: 319919

Ion	Ratio	Lower	Upper
252	100		
125	10.9	13.0	19.6#
253	21.9	16.8	25.2

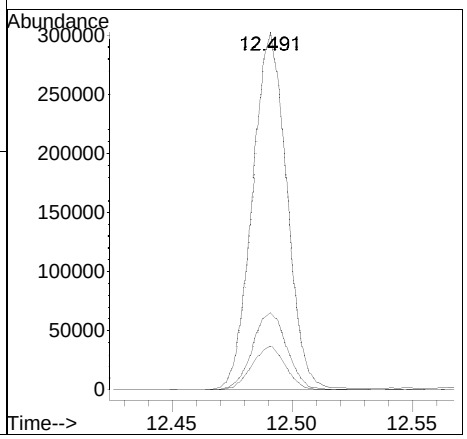


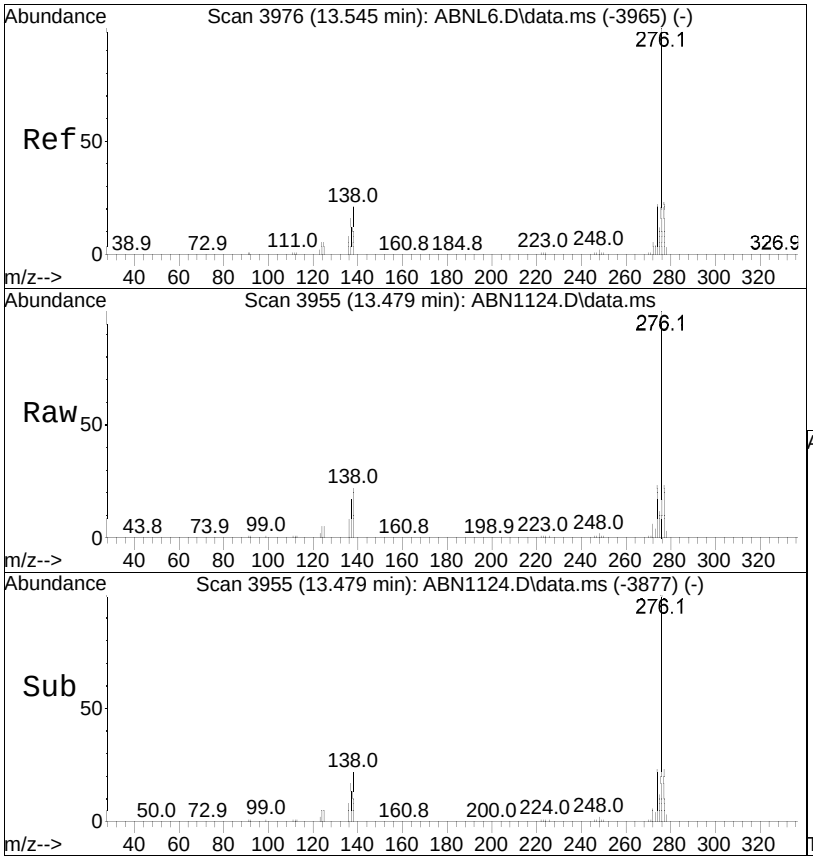


#114
Benzo(a)pyrene
Concen: 5.40 ug/ml
RT: 12.491 min Scan# 3637
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:252 Resp: 297714

Ion	Ratio	Lower	Upper
252	100		
125	12.1	14.2	21.2#
253	21.9	16.9	25.3

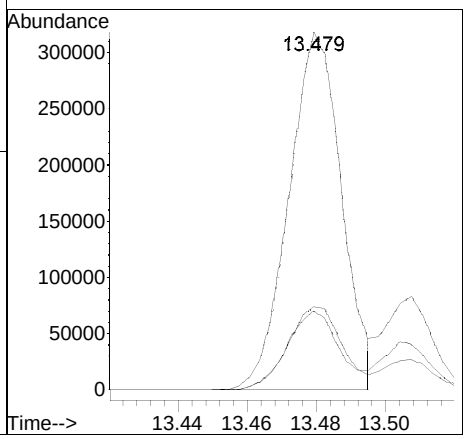


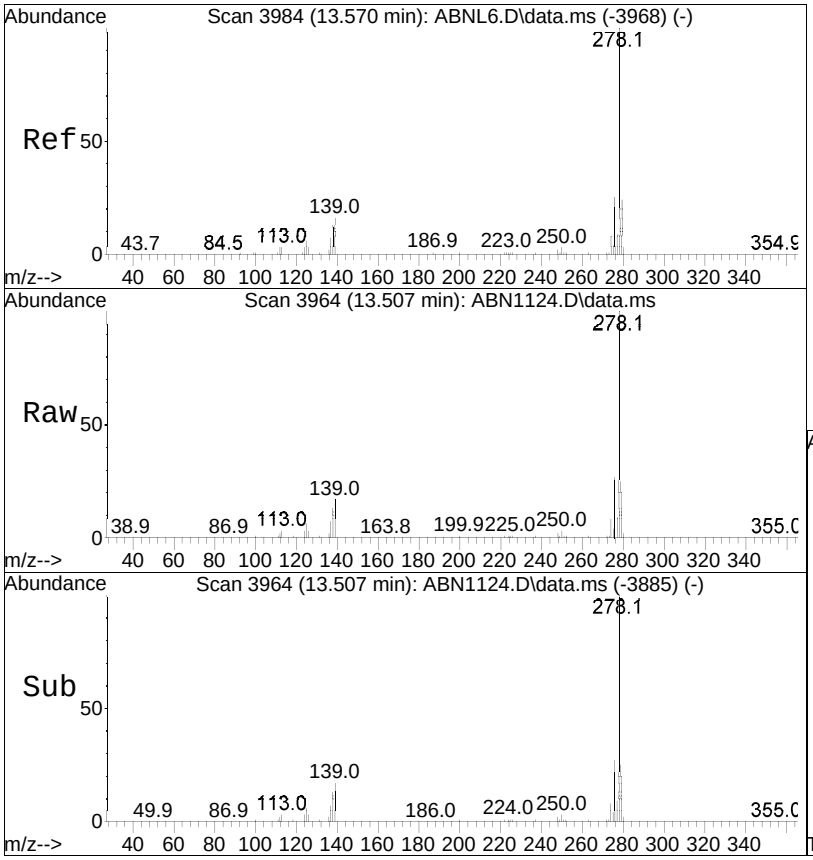


#116
Indeno(1,2,3-cd)pyrene
Concen: 5.02 ug/mL
RT: 13.479 min Scan# 3955
Delta R.T. -0.006 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:276 Resp: 334681

Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.1	37.7#
277	24.1	18.6	28.0

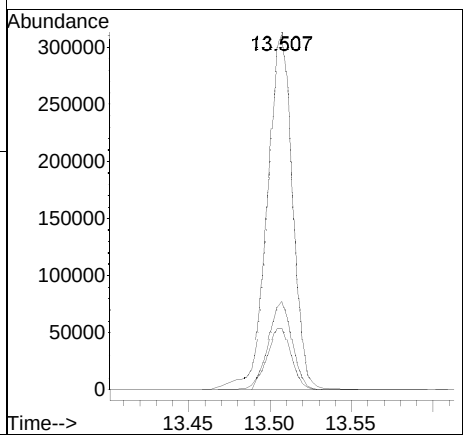


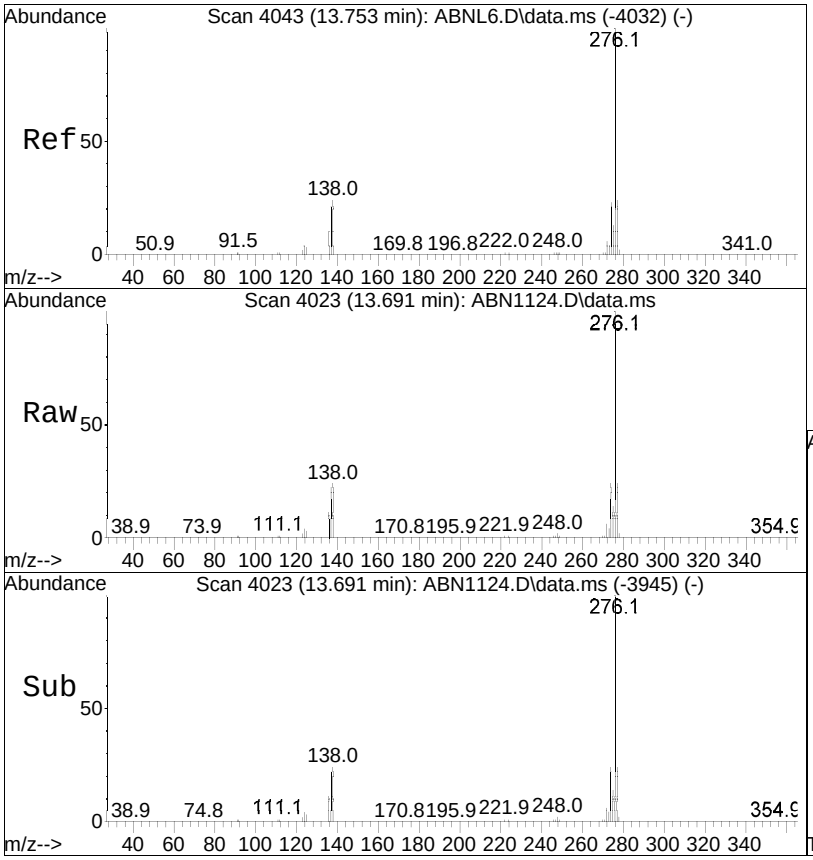


#117
Dibenzo(a,h)anthracene
Concen: 5.12 ug/ml
RT: 13.507 min Scan# 3964
Delta R.T. -0.003 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:278 Resp: 335610

Ion	Ratio	Lower	Upper
278	100		
139	16.6	20.8	31.2#
279	23.7	18.3	27.5

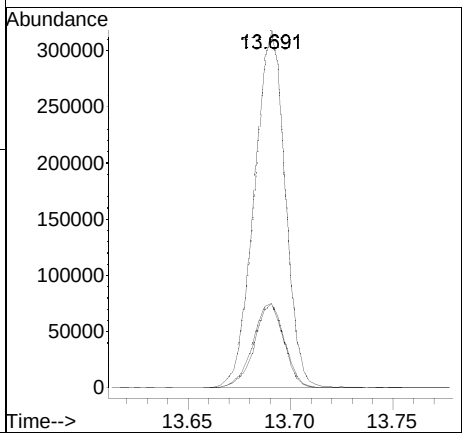




#118
Benzo(ghi)perylene
Concen: 5.12 ug/ml
RT: 13.691 min Scan# 4023
Delta R.T. -0.006 min
Lab File: ABN1124.D
Acq: 24 Nov 2024 8:42 am

Tgt Ion:276 Resp: 329723

Ion	Ratio	Lower	Upper
276	100		
138	23.7	29.2	43.8#
277	23.2	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\Dakota\241124RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ABN1124.D	Operator	: Dakota:smz
Date Inj'd	: 11/24/2024 8:42 am	Instrument	: Dakota
Sample	: wg2001636-3,32,,ABN 11043	Quant Date	: 11/24/2024 9:01 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241124RVT\
Data File : AP91124.D
Acq On : 24 Nov 2024 9:05 am
Operator : Dakota:smz
Sample : wg2001636-4,32,,AP9 11152 gmr1109B
Misc : wg2001636,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 24 09:22:21 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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	0.703	0.772	-9.8	92	0.00
29	T	Acetophenone	1.403	1.555	-10.8	96	0.00
30	T	m-Toluidine	1.287	1.434	-11.4	98	0.00
31	T	2-Chloroaniline	1.368	1.557	-13.8	99	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	100	0.00
58	T	a-Terpineol	0.221	0.243	-10.0	103	0.00
59	T	3-Chloroaniline	0.115	0.127	-10.4	101	0.00
60	T	2,6-Dichlorophenol	0.296	0.332	-12.2	104	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.129	-14.2	102	0.00
62	T	Caprolactam	0.123	0.144	-17.1	113	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.406	1.7	93	0.00
64	T	Biphenyl	0.842	0.898	-6.7	100	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	104	0.00
86	T	Dichloran	0.169	0.187	-10.7	117	0.00
87	T	Pentachloronitrobenzene	0.187	0.187	0.0	107	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	109	0.00
101	T	Diphenamid	0.416	0.432	-3.8	109	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\241124RVT\
Data File : AP91124.D
Acq On : 24 Nov 2024 9:05 am
Operator : Dakota:smz
Sample : wg2001636-4,32,,AP9 11152 gmr1109B
Misc : wg2001636,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 24 09:22:21 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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...	4.223	152	25656	4.000	ug/ml		0.00
57)	IS2_Naphthalene-d8	5.464	136	98582	4.000	ug/ml	#	0.00
85)	IS2_Acenaphthene-d10	7.154	164	66660	4.000	ug/ml		0.00
100)	IS2_Phenanthrene-d10	8.565	188	156017	4.000	ug/ml		0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.785	105	24773	5.491	ug/ml		95
29)	Acetophenone	4.637	105	49866	5.540	ug/ml	#	79
30)	m-Toluidine	4.724	106	45984	5.572	ug/ml		94
31)	2-Chloroaniline	5.081	127	49943	5.692	ug/ml	#	90
58)	a-Terpineol	5.532	59	29883	5.476	ug/ml	#	82
59)	3-Chloroaniline	5.547	65	15668	5.548	ug/ml		93
60)	2,6-Dichlorophenol	5.569	162	40952	5.622	ug/ml	#	83
61)	1-chloro-2-nitrobenzene	5.824	111	15911	5.691	ug/ml	#	1
62)	Caprolactam	5.861	55	17730	5.854	ug/ml	#	80
63)	1,2,4,5-Tetrachloroben...	6.331	216	49979	4.911	ug/ml		97
64)	Biphenyl	6.623	154	110629	5.333	ug/ml		97
86)	Dichloran	8.279	206	15593	5.538	ug/ml	#	57
87)	Pentachloronitrobenzene	8.426	237	15564	5.006	ug/ml	#	80
101)	Diphenamid	9.482	167	84248	5.193	ug/ml	#	77

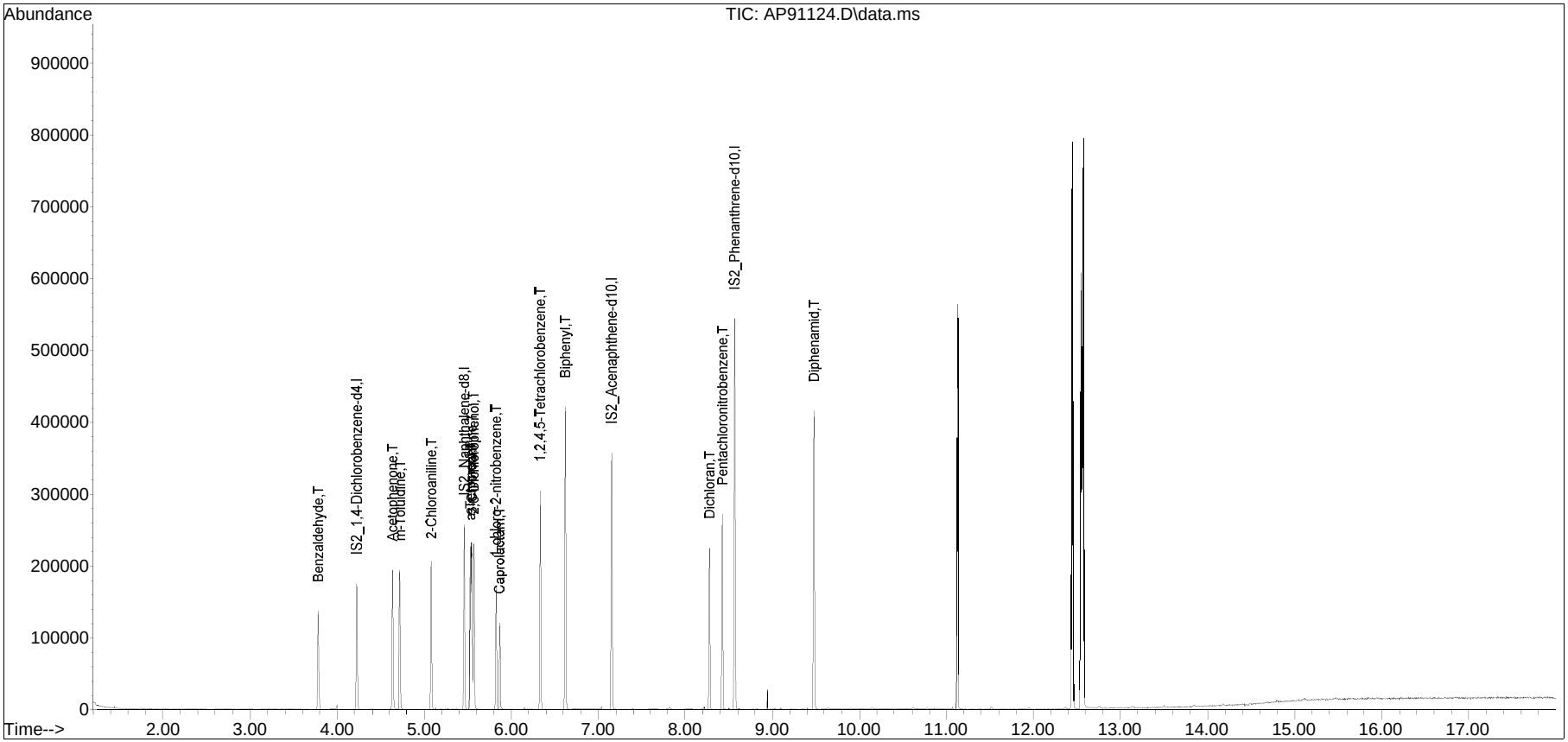
(#) = qualifier out of range (m) = manual integration (+) = signals summed

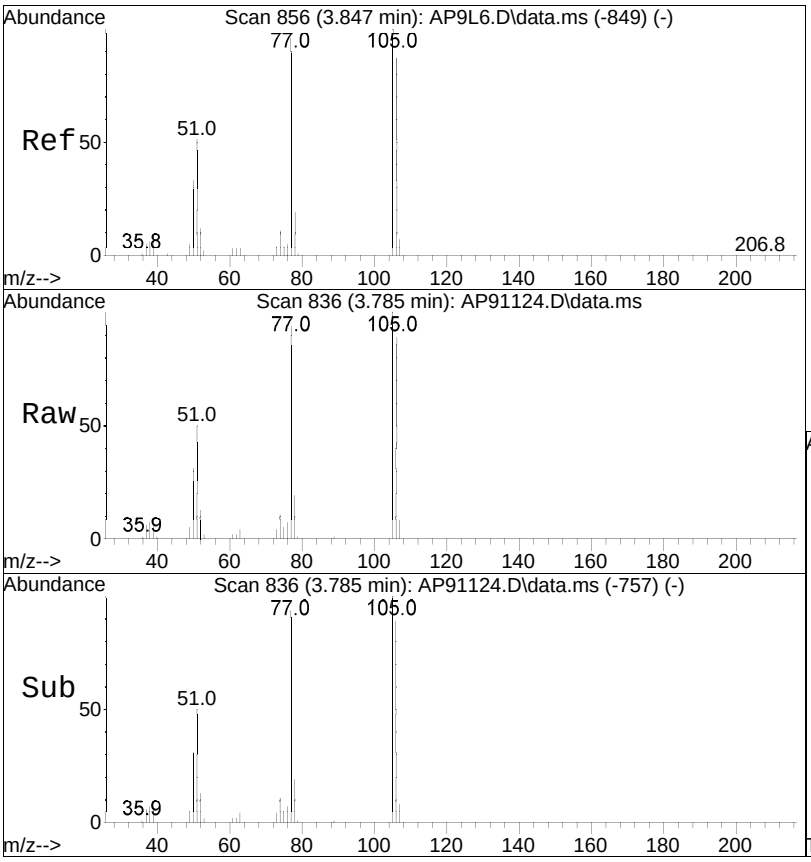
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241124RVT\
Data File : AP91124.D
Acq On : 24 Nov 2024 9:05 am
Operator : Dakota:smz
Sample : wg2001636-4,32,,AP9 11152 gmr1109B
Misc : wg2001636,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 24 09:22:21 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

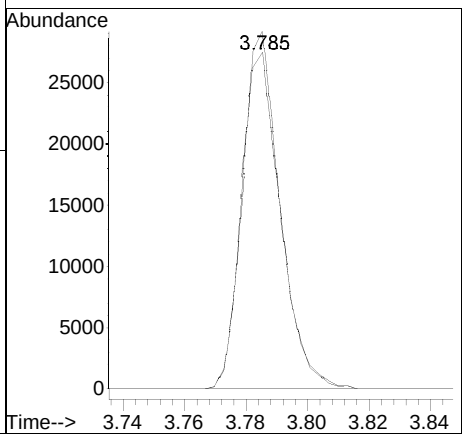


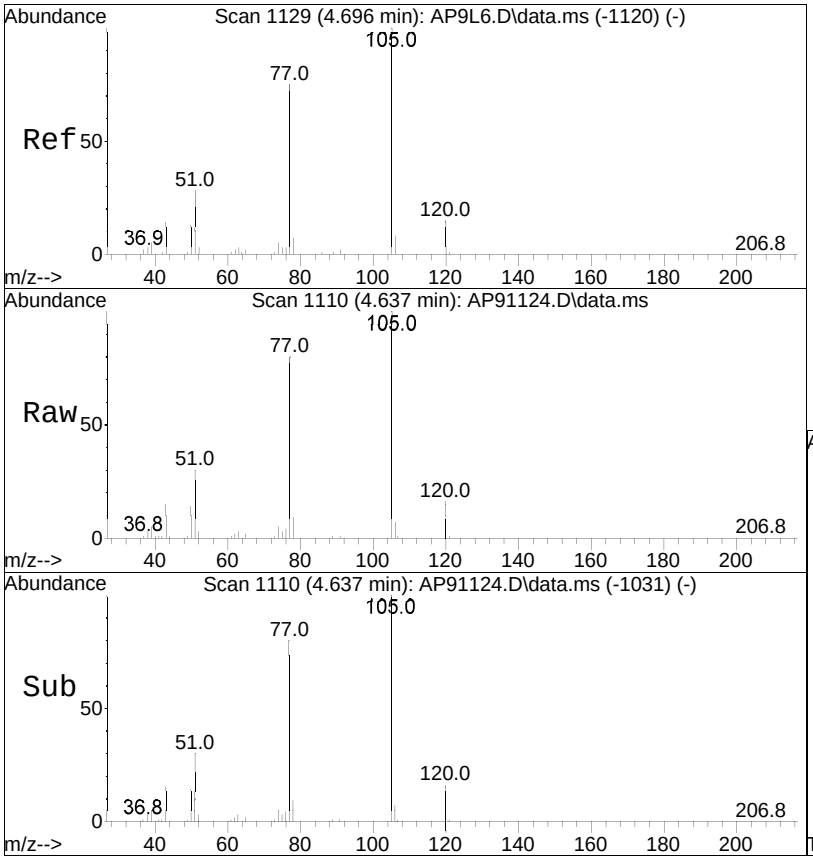


#28
Benzaldehyde
Concen: 5.49 ug/ml
RT: 3.785 min Scan# 836
Delta R.T. -0.003 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:105 Resp: 24773

Ion	Ratio	Lower	Upper
105	100		
77	97.6	82.2	123.4

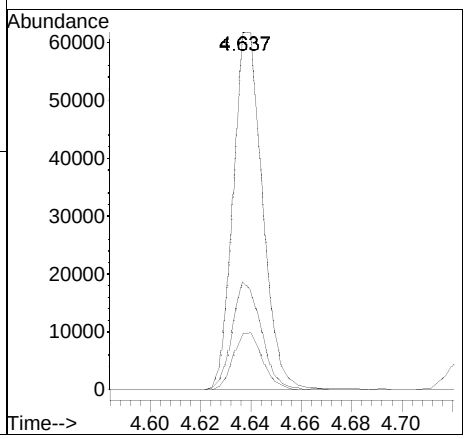


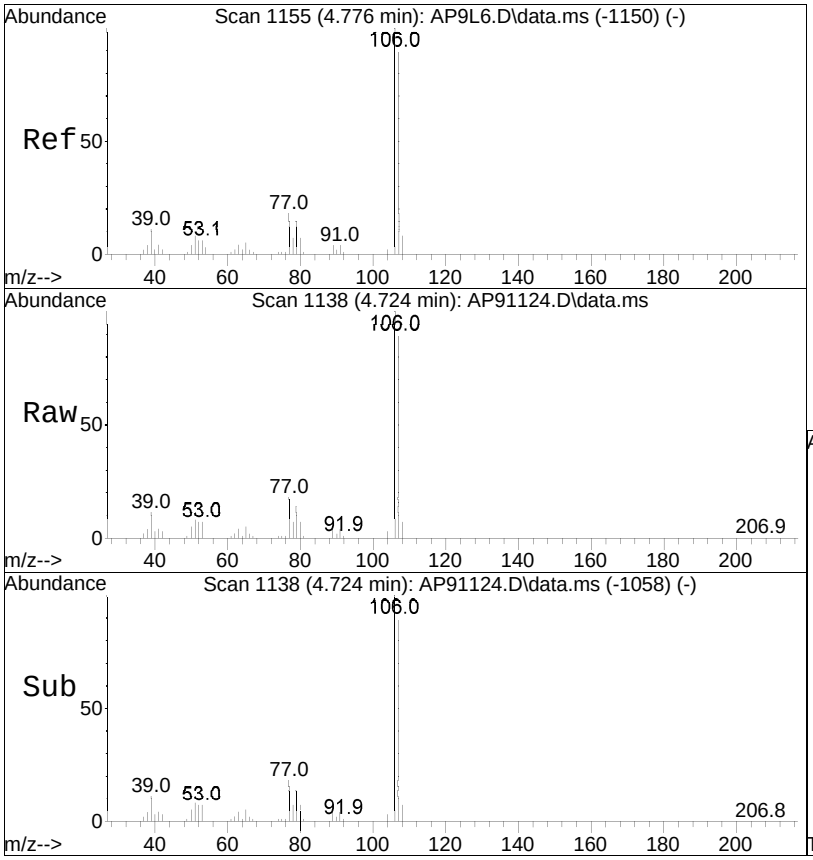


#29
Acetophenone
Concen: 5.54 ug/ml
RT: 4.637 min Scan# 1110
Delta R.T. -0.003 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:105 Resp: 49866

Ion	Ratio	Lower	Upper
105	100		
120	15.8	20.5	30.7#
51	30.0	34.9	52.3#

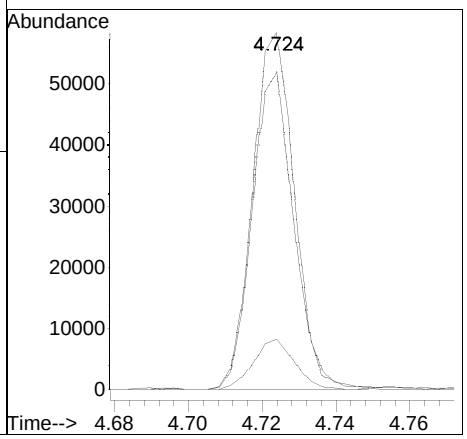


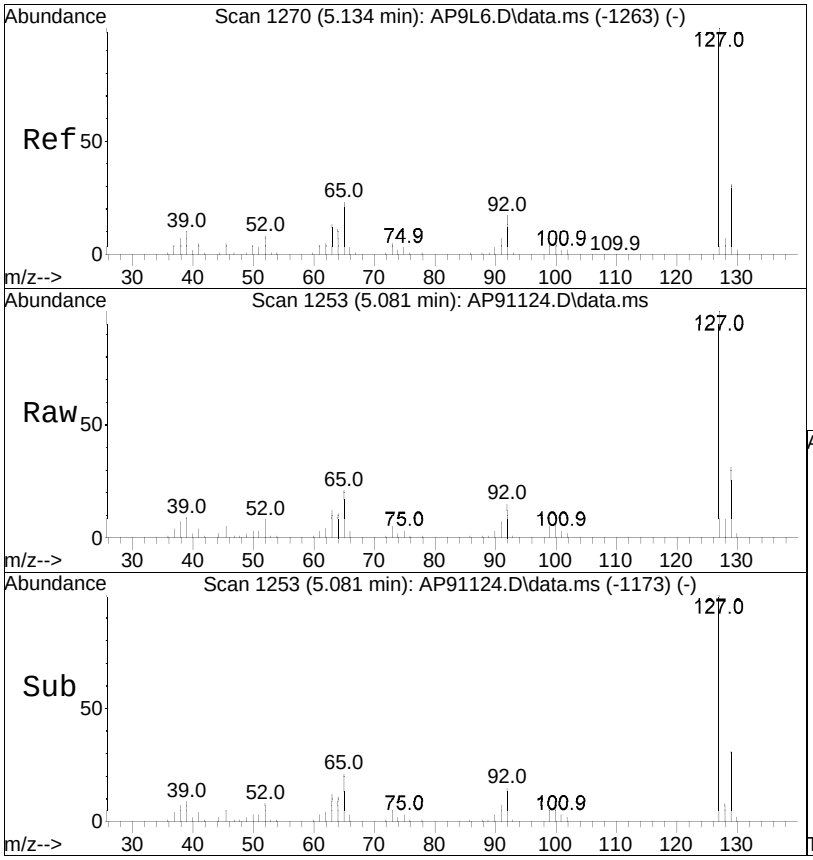


#30
m-Toluidine
Concen: 5.57 ug/ml
RT: 4.724 min Scan# 1138
Delta R.T. 0.000 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:106 Resp: 45984

Ion	Ratio	Lower	Upper
106	100		
107	88.3	75.7	113.5
79	13.9	11.8	17.8

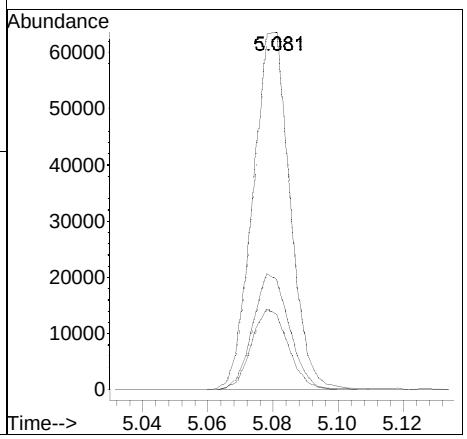


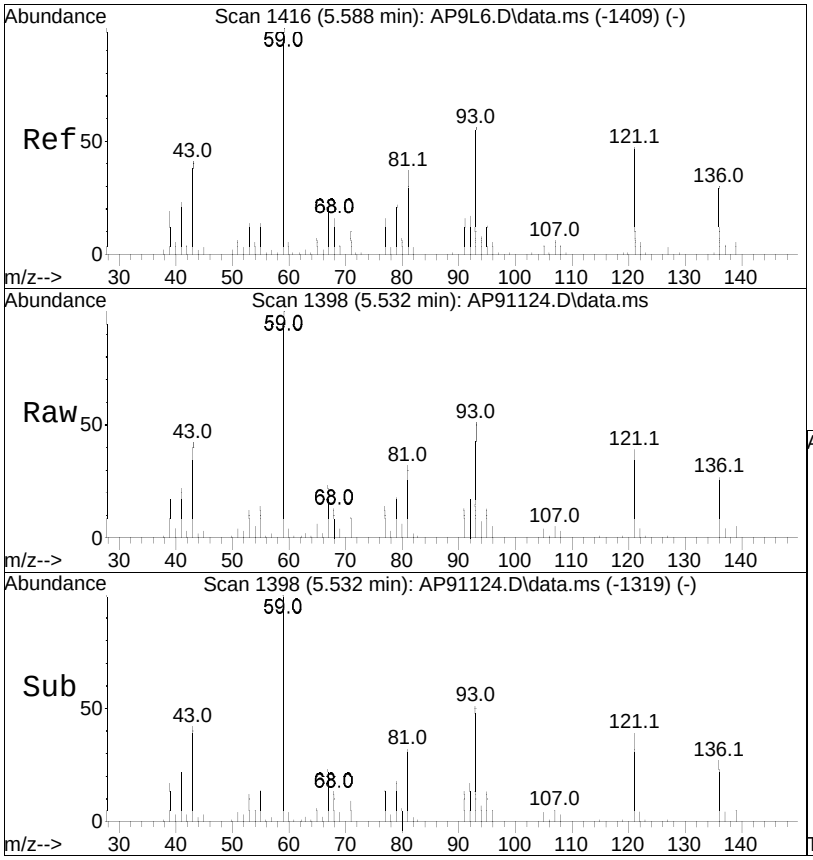


#31
2-Chloroaniline
Concen: 5.69 ug/ml
RT: 5.081 min Scan# 1253
Delta R.T. 0.000 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:127 Resp: 49943

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	22.4	26.3	39.5#

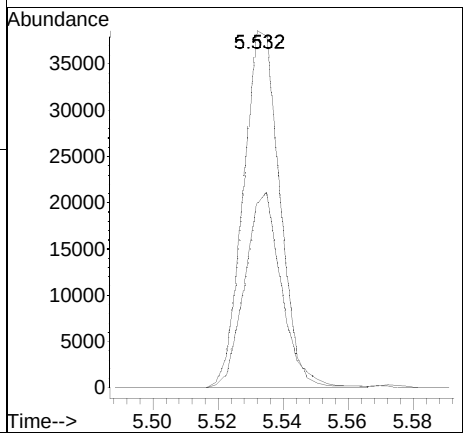


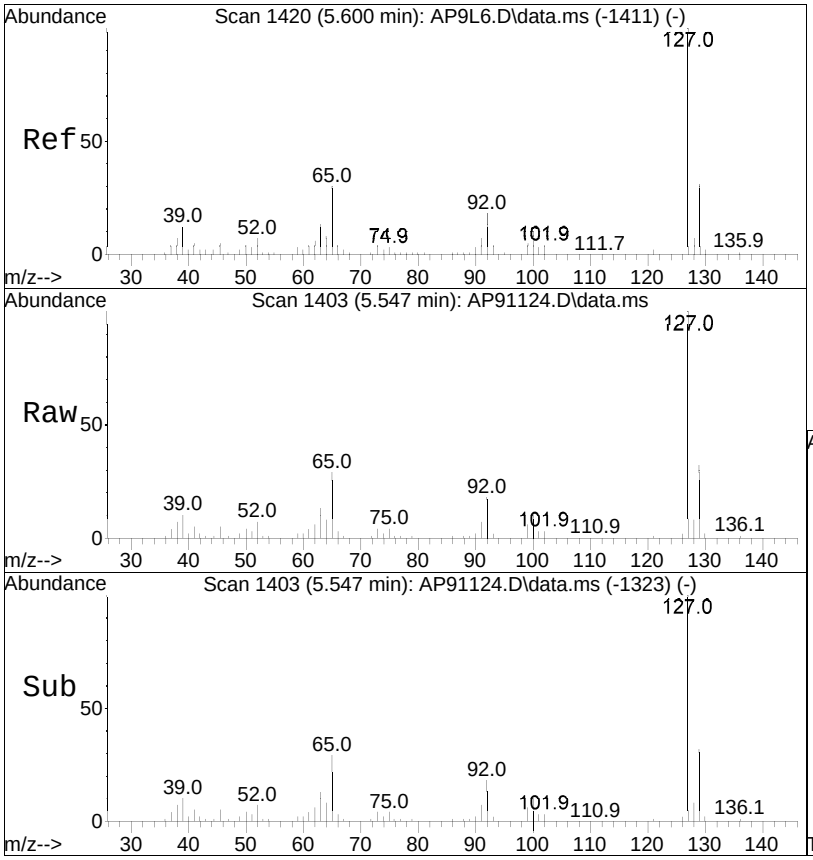


#58
a-Terpineol
Concen: 5.48 ug/ml
RT: 5.532 min Scan# 1398
Delta R.T. -0.003 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion: 59 Resp: 29883

Ion	Ratio	Lower	Upper
59	100		
93	55.9	35.6	53.4#

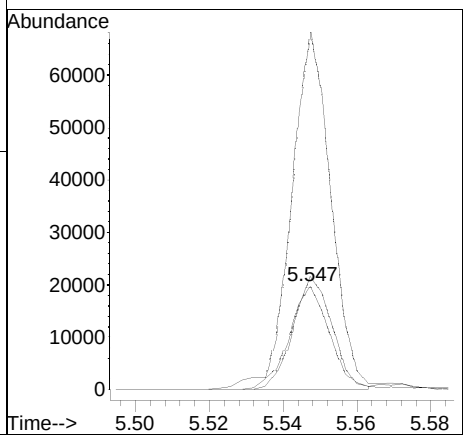


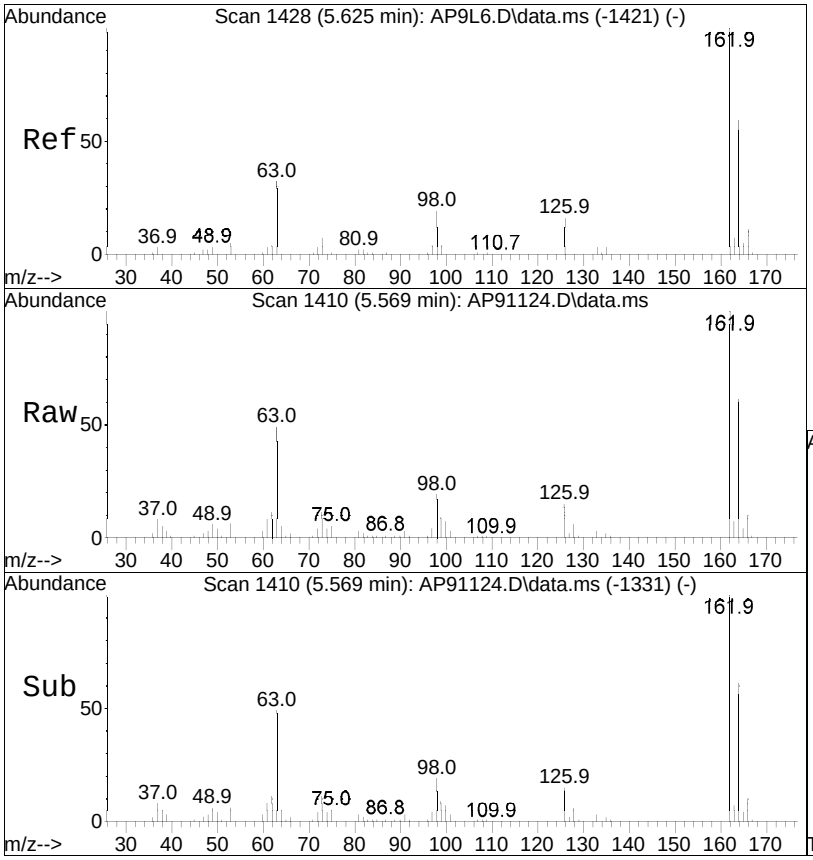


#59
3-Chloroaniline
Concen: 5.55 ug/ml
RT: 5.547 min Scan# 1403
Delta R.T. 0.000 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion: 65 Resp: 15668

Ion	Ratio	Lower	Upper
65	100		
127	320.8	243.2	364.8
129	102.3	78.8	118.2

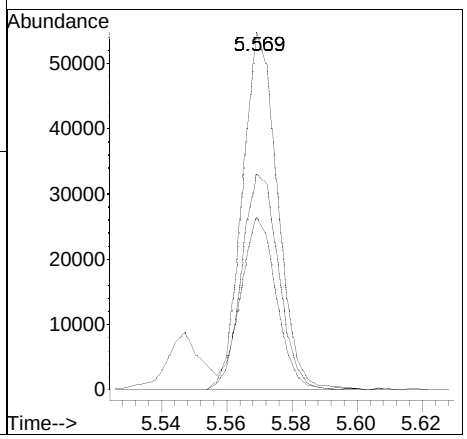


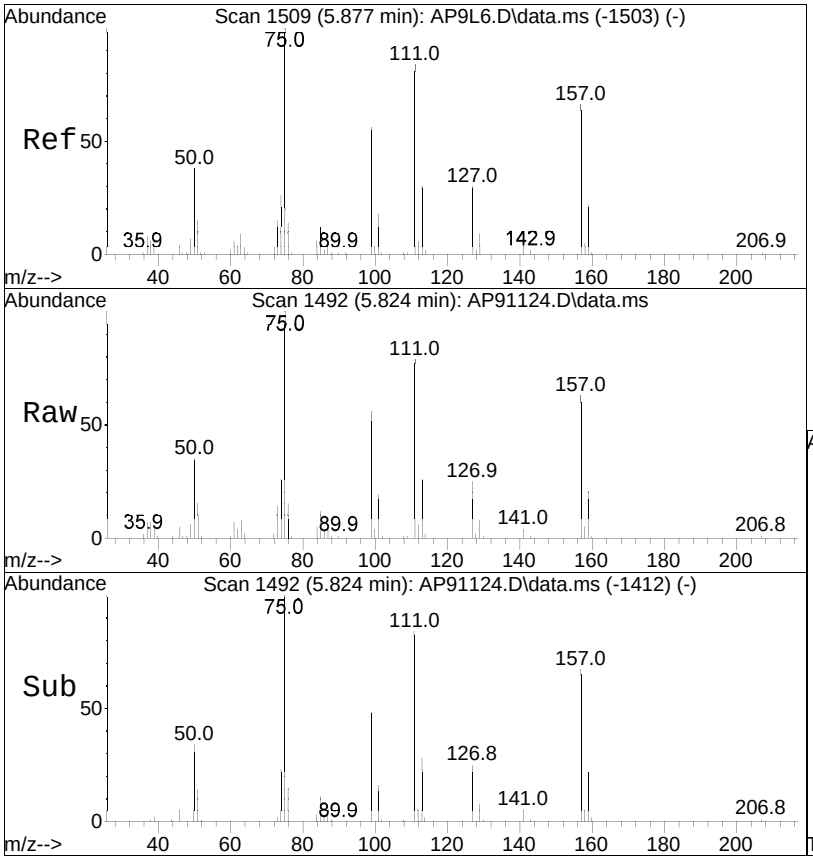


#60
2,6-Dichlorophenol
Concen: 5.62 ug/ml
RT: 5.569 min Scan# 1410
Delta R.T. -0.003 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:162 Resp: 40952

Ion	Ratio	Lower	Upper
162	100		
164	63.4	51.1	76.7
63	48.9	60.8	91.2#

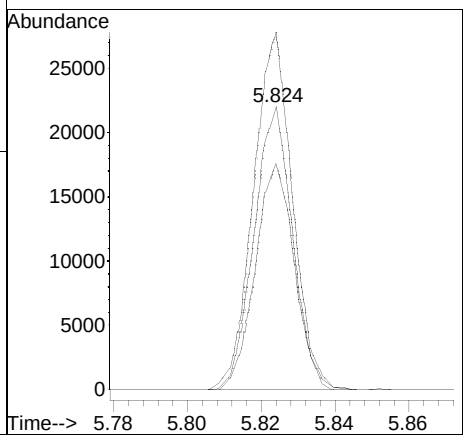


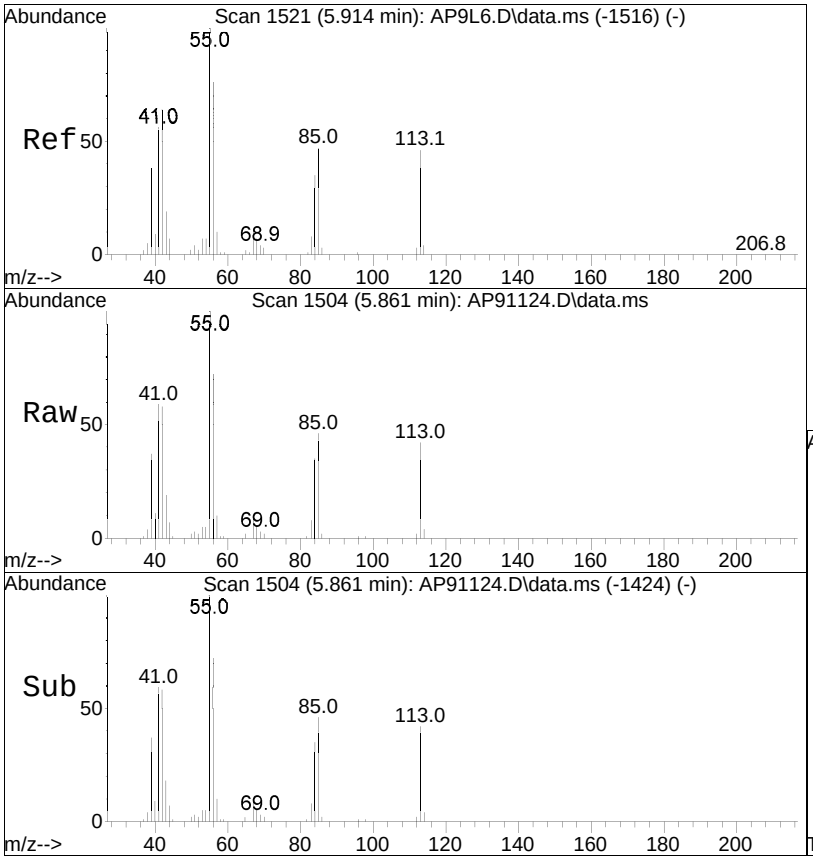


#61
1-chloro-2-nitrobenzene
Concen: 5.69 ug/ml
RT: 5.824 min Scan# 1492
Delta R.T. 0.000 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:111 Resp: 15911

Ion	Ratio	Lower	Upper
111	100		
157	80.4	0.0	0.0#
75	127.0	28.2	42.2#

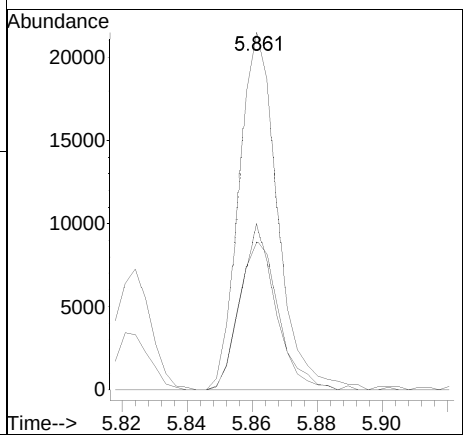


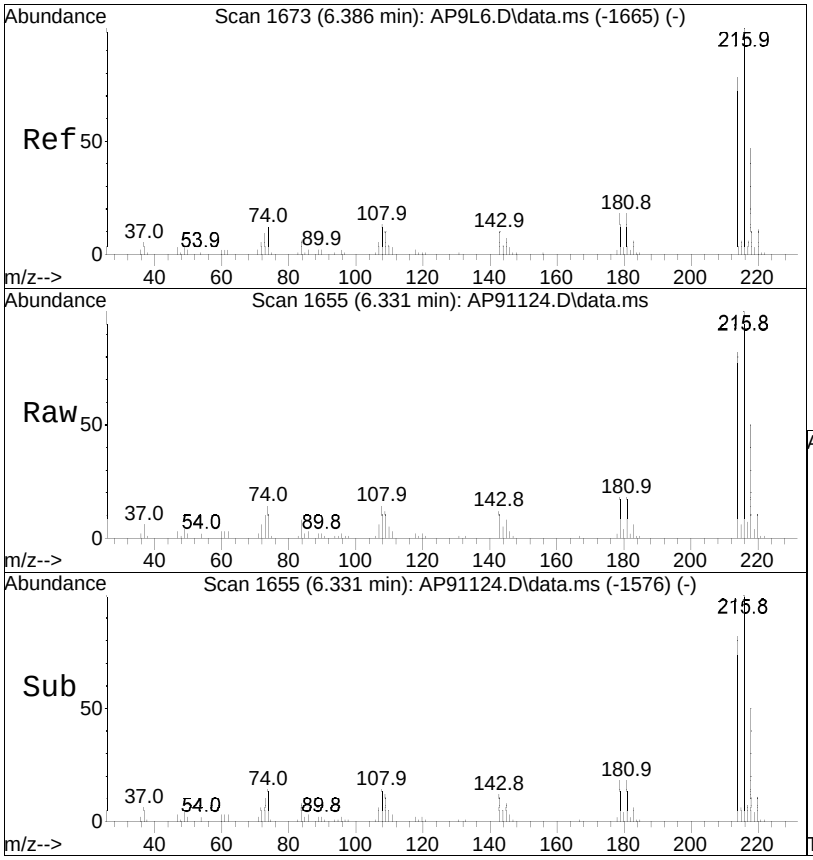


#62
Caprolactam
Concen: 5.85 ug/ml
RT: 5.861 min Scan# 1504
Delta R.T. 0.000 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion: 55 Resp: 17730

Ion	Ratio	Lower	Upper
55	100		
85	42.2	19.8	29.6#
113	43.1	29.6	44.4

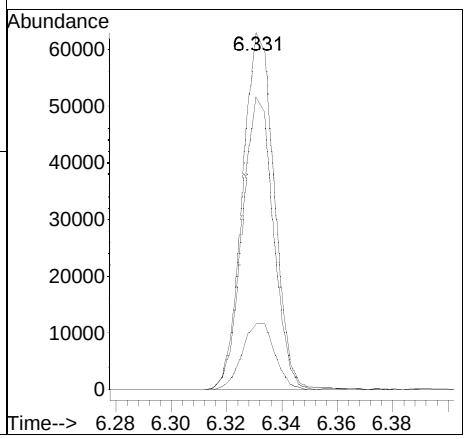


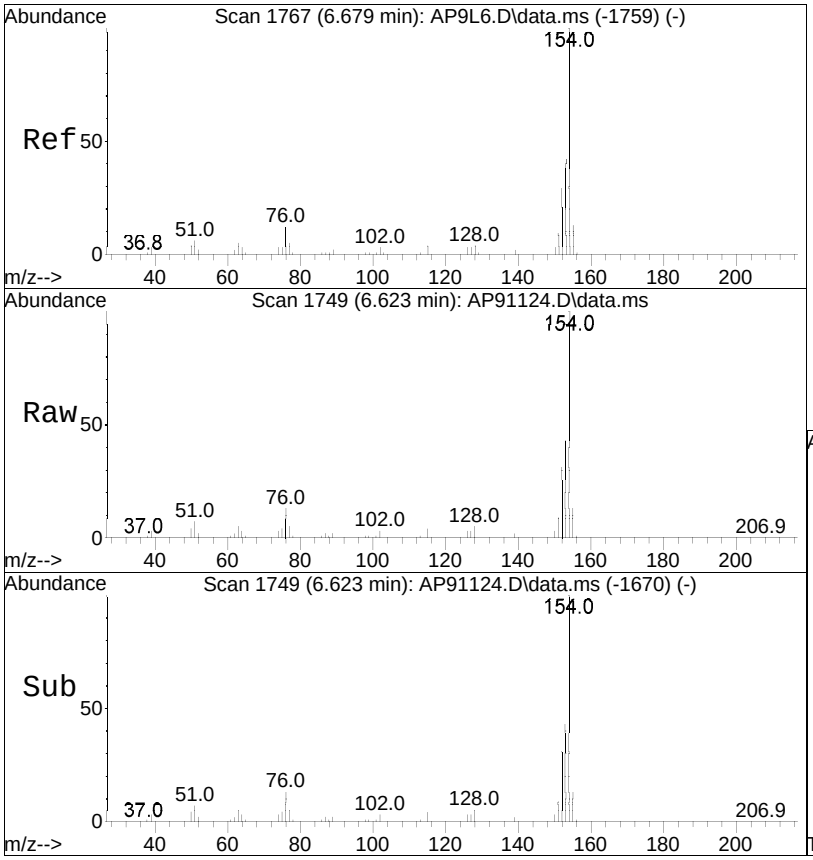


#63
1,2,4,5-Tetrachlorobenzene
Concen: 4.91 ug/ml
RT: 6.331 min Scan# 1655
Delta R.T. -0.003 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:216 Resp: 49979

Ion	Ratio	Lower	Upper
216	100		
214	80.2	63.7	95.5
179	19.2	19.0	28.6

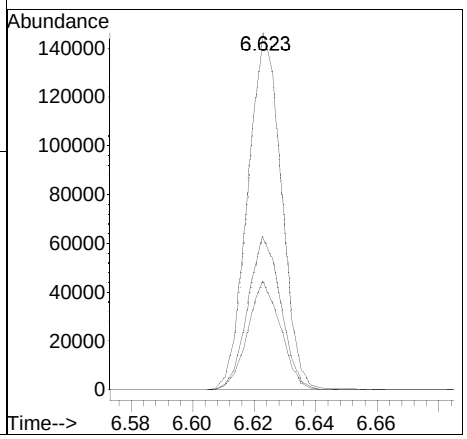


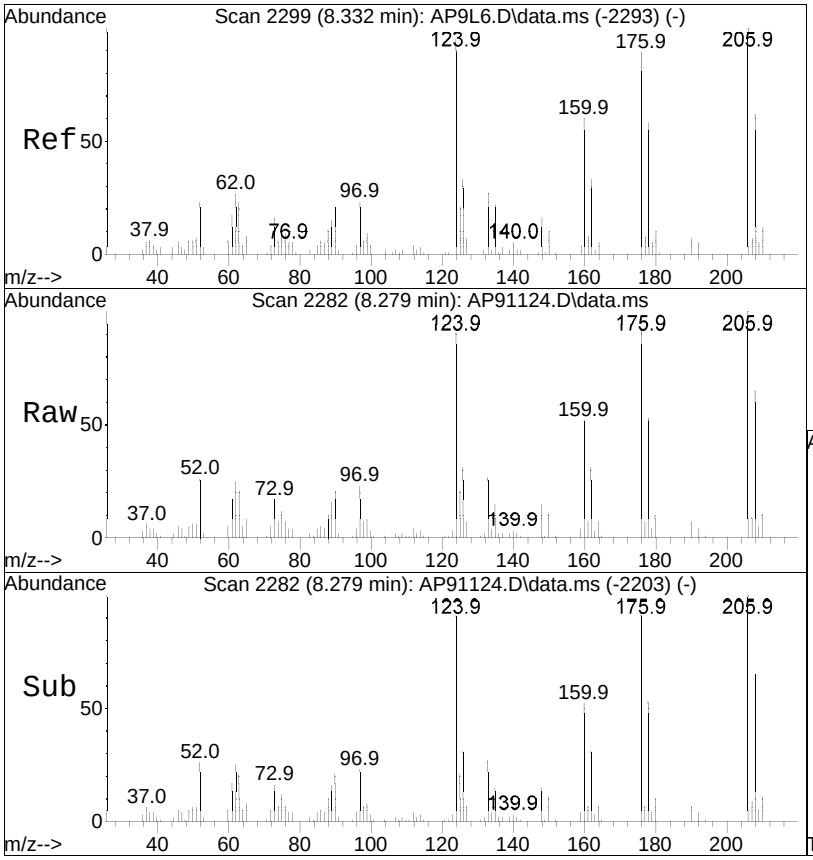


#64
Biphenyl
Concen: 5.33 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. -0.003 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:154 Resp: 110629

Ion	Ratio	Lower	Upper
154	100		
153	42.3	32.3	48.5
152	30.0	22.5	33.7

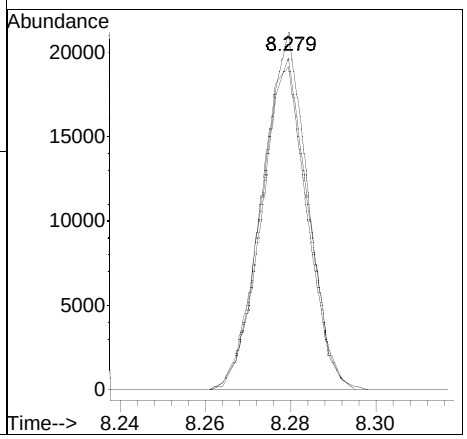


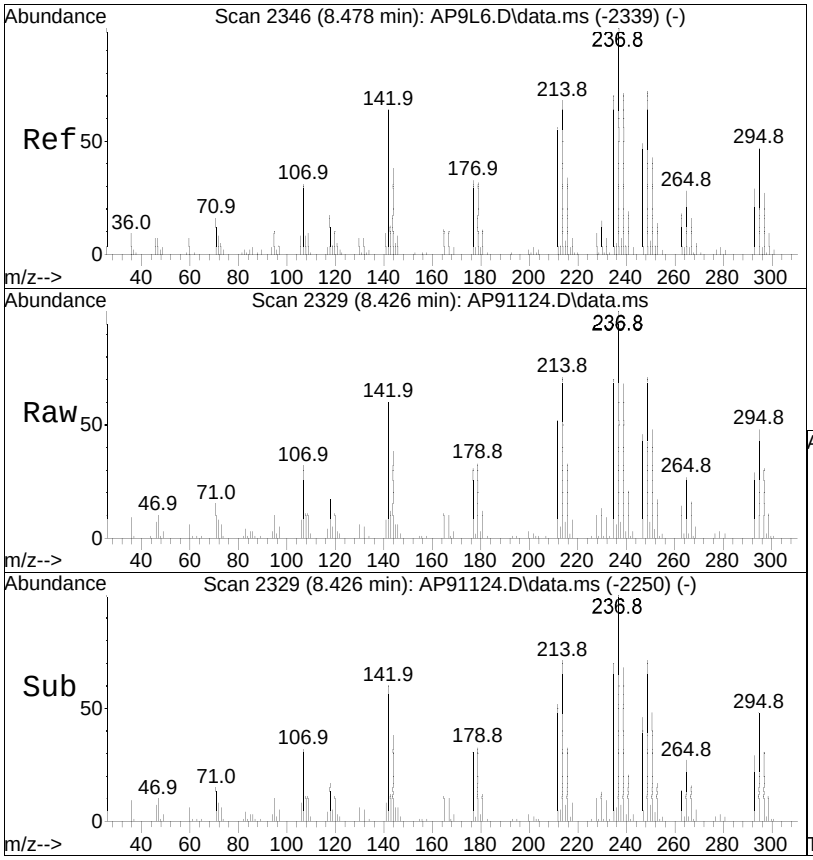


#86
Dichloran
Concen: 5.54 ug/ml
RT: 8.279 min Scan# 2282
Delta R.T. -0.003 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:206 Resp: 15593

Ion	Ratio	Lower	Upper
206	100		
176	93.6	104.6	157.0#
124	93.7	130.5	195.7#

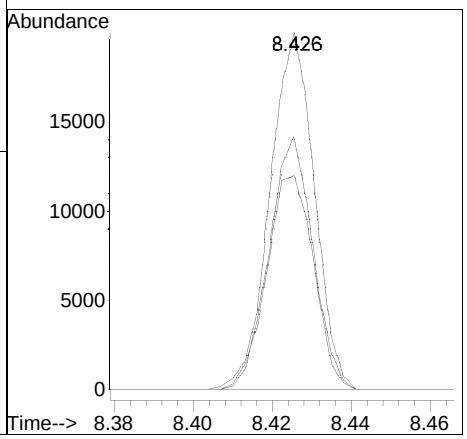


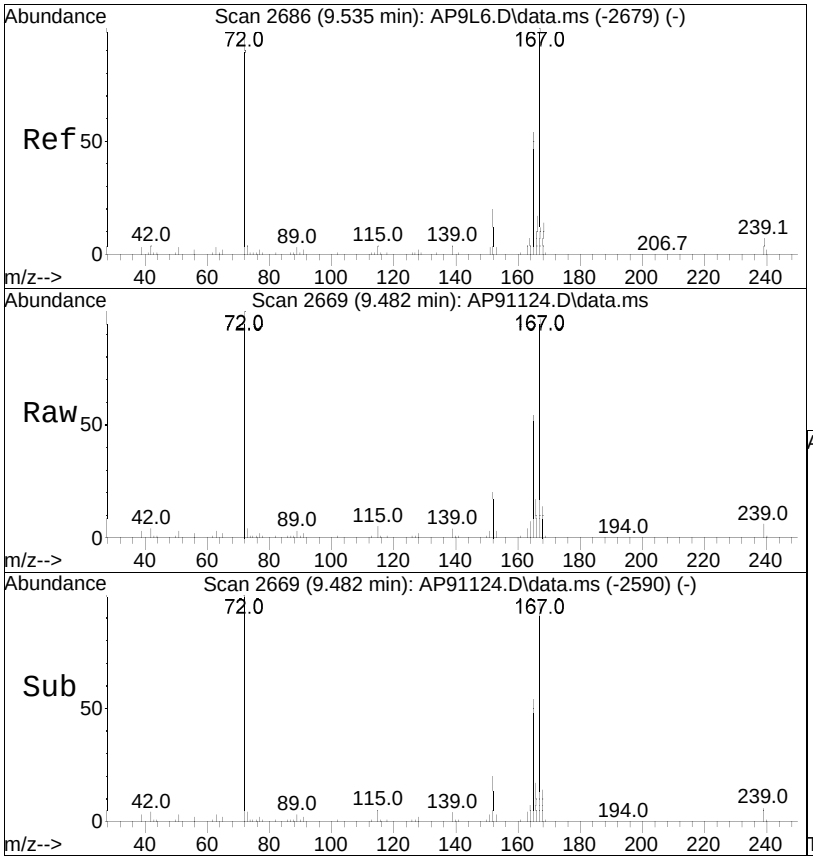


#87
Pentachloronitrobenzene
Concen: 5.01 ug/ml
RT: 8.426 min Scan# 2329
Delta R.T. -0.003 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:237 Resp: 15564

Ion	Ratio	Lower	Upper
237	100		
142	63.9	77.0	115.4#
214	70.2	58.2	87.4

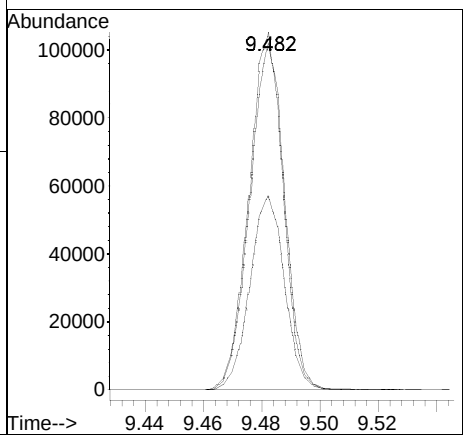




#101
Diphenamid
Concen: 5.19 ug/ml
RT: 9.482 min Scan# 2669
Delta R.T. -0.003 min
Lab File: AP91124.D
Acq: 24 Nov 2024 9:05 am

Tgt Ion:167 Resp: 84248

Ion	Ratio	Lower	Upper
167	100		
72	101.2	109.7	164.5#
165	55.9	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241124RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP91124.D	Operator	: Dakota:smz
Date Inj'd	: 11/24/2024 9:05 am	Instrument	: Dakota
Sample	: wg2001636-4,32,,AP9 11152	Quant Date	: 11/24/2024 9:23 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241124RVT\
Data File : ADP1124.D
Acq On : 24 Nov 2024 9:27 am
Operator : Dakota:smz
Sample : wg2001636-5,32,,ADP 11153 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 24 09:44:53 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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	94	0.00
33	T	1,4-Dioxane		0.381	0.418	-9.7	98	0.00
35	T	n-Decane		1.048	1.105	-5.4	95	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	103	0.00
89	T	Atrazine		0.343	0.329	4.1	99	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	108	0.00
103	T	n-Octadecane		0.334	0.320	4.2	104	0.00
104	T	Parathion	*	5.000	4.615	7.7	111	0.00
105	T	3,3'-Dimethylbenzidine		0.728	0.712	2.2	118	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\241124RVT\
Data File : ADP1124.D
Acq On : 24 Nov 2024 9:27 am
Operator : Dakota:smz
Sample : wg2001636-5,32,,ADP 11153 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 24 09:44:53 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 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...	4.223	152	25476	4.000	ug/ml	0.00
88)	IS3_Acenaphthene-d10	7.154	164	62405	4.000	ug/ml	0.00
102)	IS3_Phenanthrene-d10	8.565	188	143945	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.330	88	13299	5.481	ug/ml#	86
35)	n-Decane	4.130	57	35185	5.270	ug/ml#	31
89)	Atrazine	8.370	200	25627	4.788	ug/ml	91
103)	n-Octadecane	8.581	57	57584	4.795	ug/ml#	1
104)	Parathion	9.367	109	13757	4.615	ug/ml	98
105)	3,3'-Dimethylbenzidine	10.604	212	128194	4.892	ug/ml	98

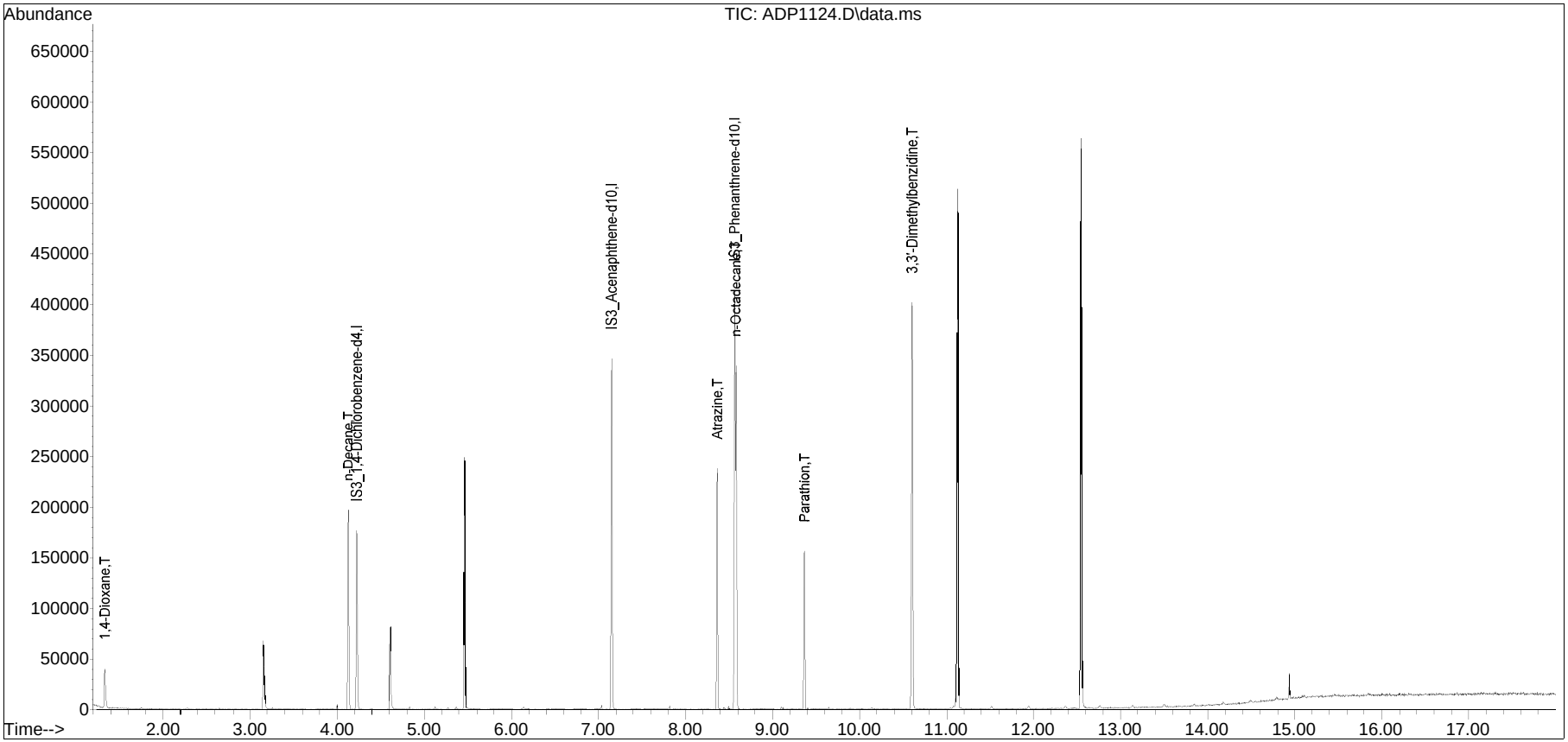
(#) = qualifier out of range (m) = manual integration (+) = signals summed

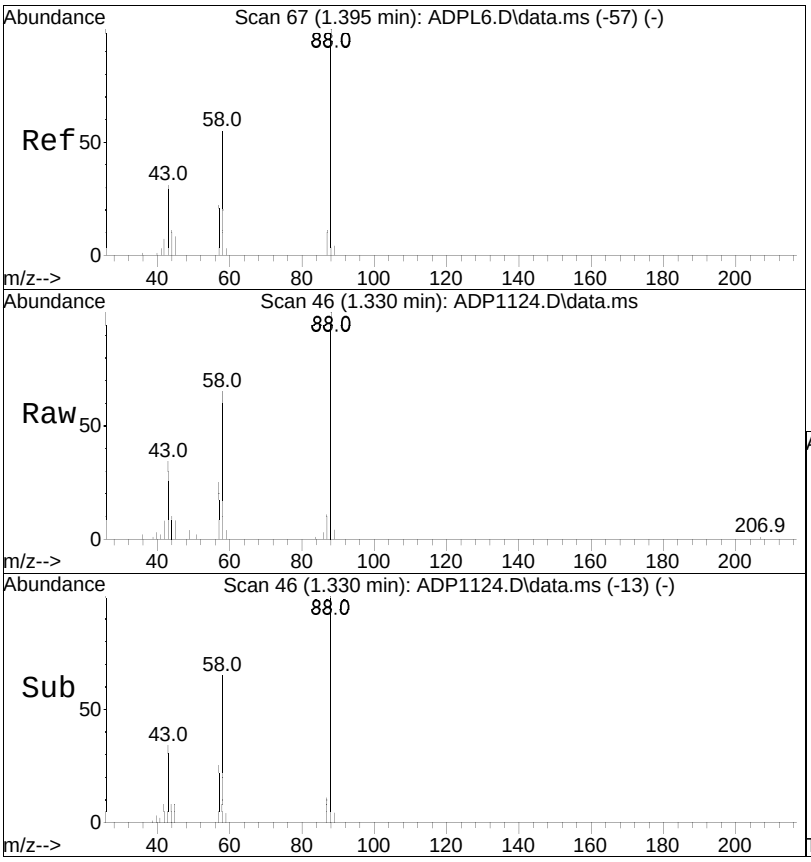
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241124RVT\
Data File : ADP1124.D
Acq On : 24 Nov 2024 9:27 am
Operator : Dakota:smz
Sample : wg2001636-5,32,,ADP 11153 gmr1109A
Misc : wg2001636,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 24 09:44:53 2024
Quant Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

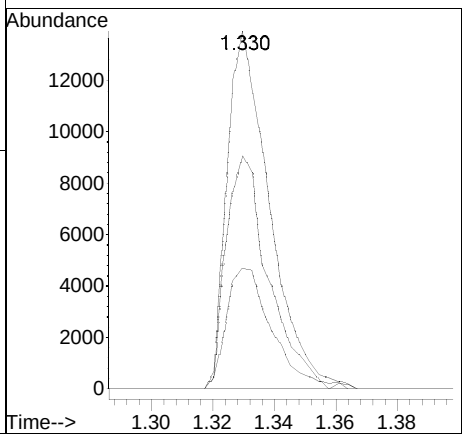


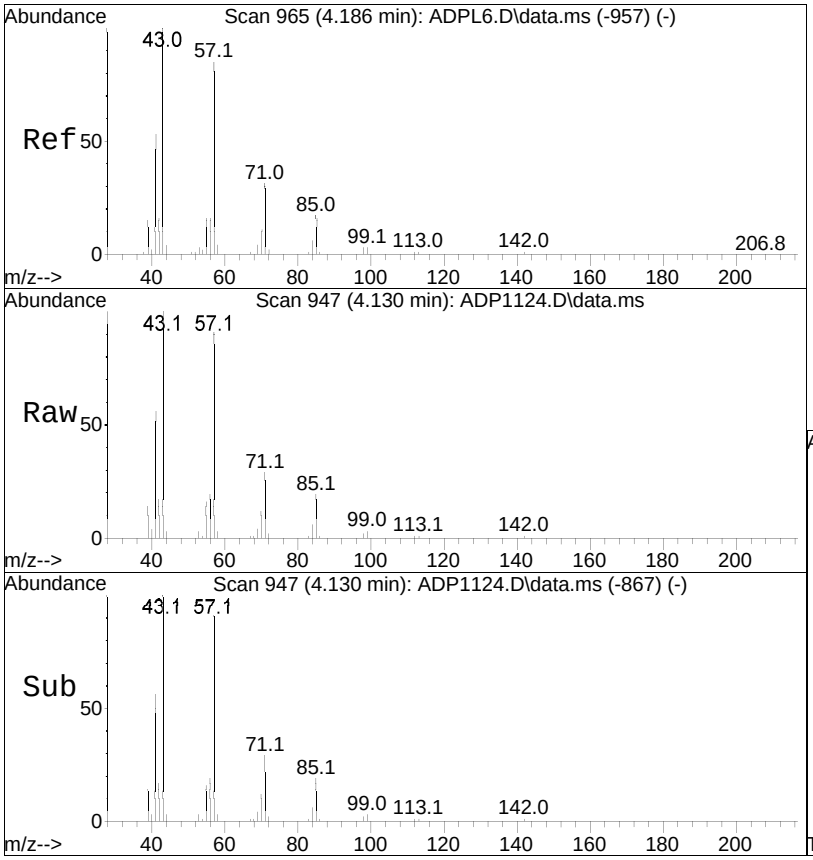


#33
1,4-Dioxane
Concen: 5.48 ug/ml
RT: 1.330 min Scan# 46
Delta R.T. 0.003 min
Lab File: ADP1124.D
Acq: 24 Nov 2024 9:27 am

Tgt Ion: 88 Resp: 13299

Ion	Ratio	Lower	Upper
88	100		
58	65.3	44.8	67.2
43	36.2	22.4	33.6#

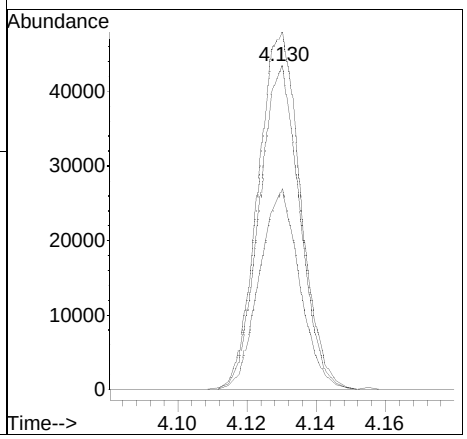


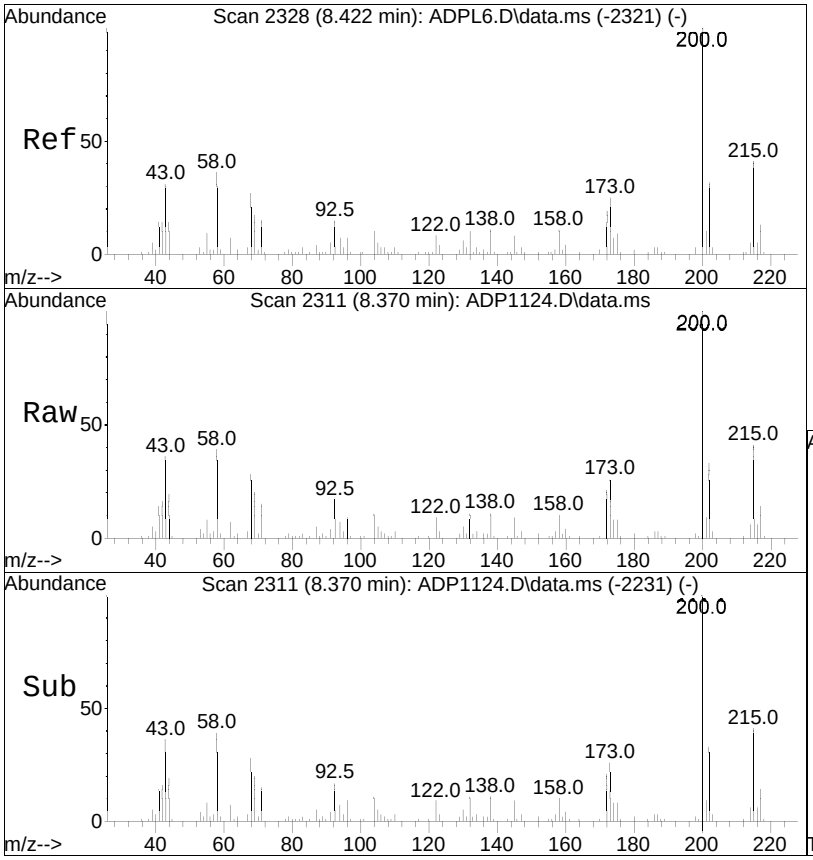


#35
n-Decane
Concen: 5.27 ug/ml
RT: 4.130 min Scan# 947
Delta R.T. -0.000 min
Lab File: ADP1124.D
Acq: 24 Nov 2024 9:27 am

Tgt Ion: 57 Resp: 35185

Ion	Ratio	Lower	Upper
57	100		
43	115.5	0.2	0.2#
41	61.6	0.2	0.2#

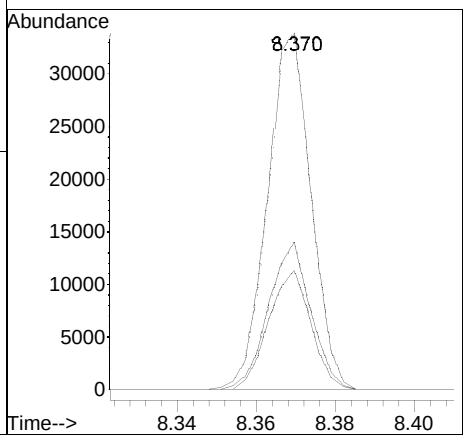


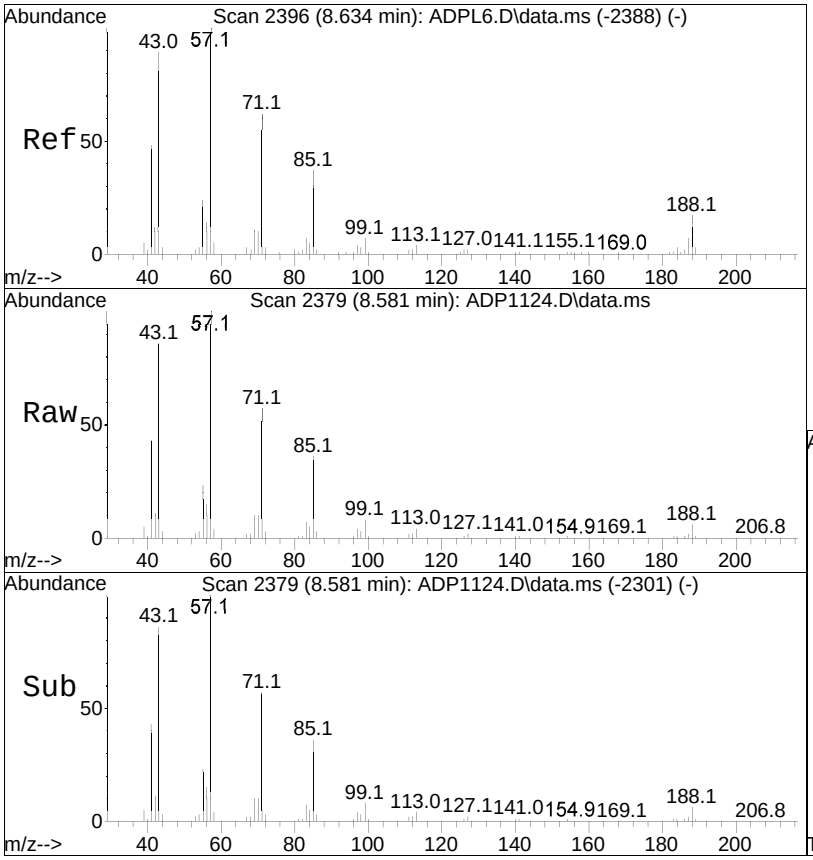


#89
Atrazine
Concen: 4.79 ug/ml
RT: 8.370 min Scan# 2311
Delta R.T. -0.000 min
Lab File: ADP1124.D
Acq: 24 Nov 2024 9:27 am

Tgt Ion:200 Resp: 25627

Ion	Ratio	Lower	Upper
200	100		
202	32.6	25.8	38.6
215	40.3	40.2	60.4

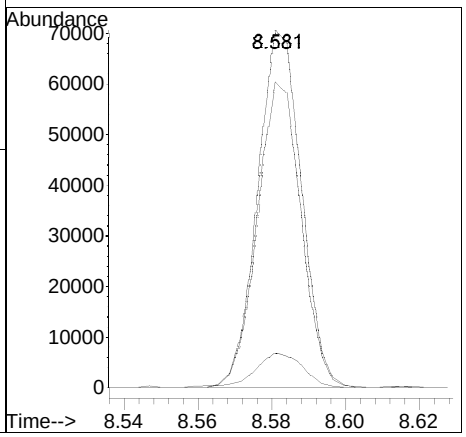


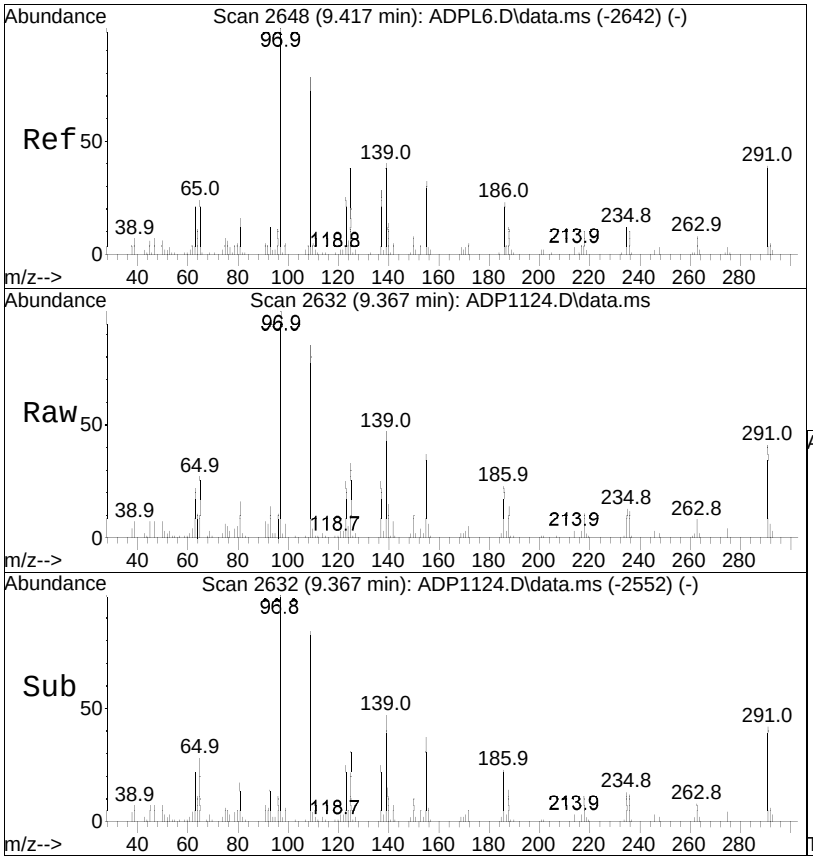


#103
n-Octadecane
Concen: 4.80 ug/ml
RT: 8.581 min Scan# 2379
Delta R.T. -0.006 min
Lab File: ADP1124.D
Acq: 24 Nov 2024 9:27 am

Tgt Ion: 57 Resp: 57584

Ion	Ratio	Lower	Upper
57	100		
43	85.6	9.0	13.6#
70	10.5	0.2	0.2#

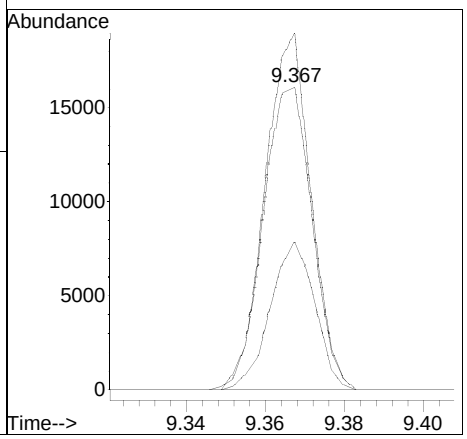


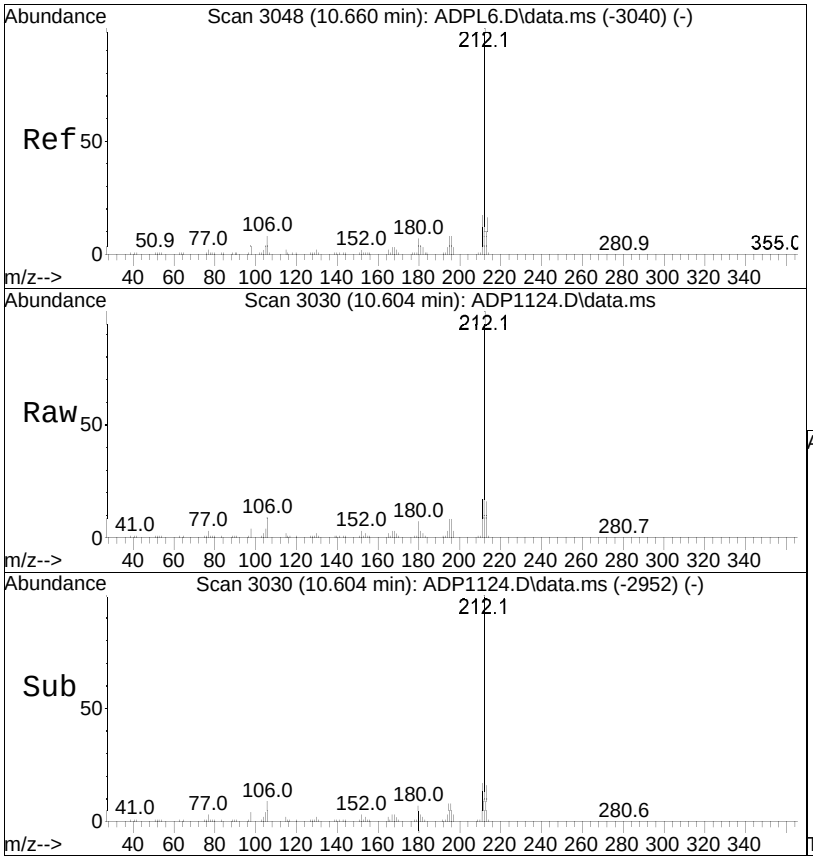


#104
Parathion
Concen: 4.62 ug/ml
RT: 9.367 min Scan# 2632
Delta R.T. -0.000 min
Lab File: ADP1124.D
Acq: 24 Nov 2024 9:27 am

Tgt Ion:109 Resp: 13757

Ion	Ratio	Lower	Upper
109	100		
97	110.7	87.4	131.2
291	44.6	34.2	51.2

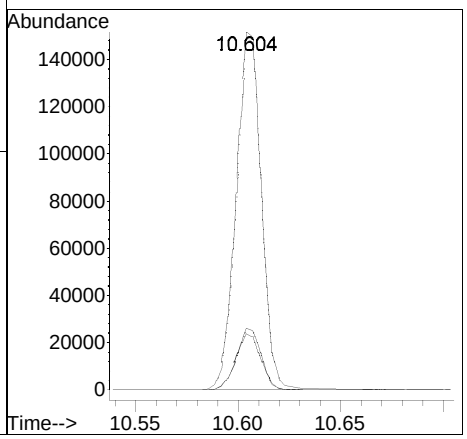




#105
3,3'-Dimethylbenzidine
Concen: 4.89 ug/ml
RT: 10.604 min Scan# 3030
Delta R.T. -0.006 min
Lab File: ADP1124.D
Acq: 24 Nov 2024 9:27 am

Tgt Ion:212 Resp: 128194

Ion	Ratio	Lower	Upper
212	100		
211	17.0	12.9	19.3
213	15.6	13.2	19.8



Manual Integration Report

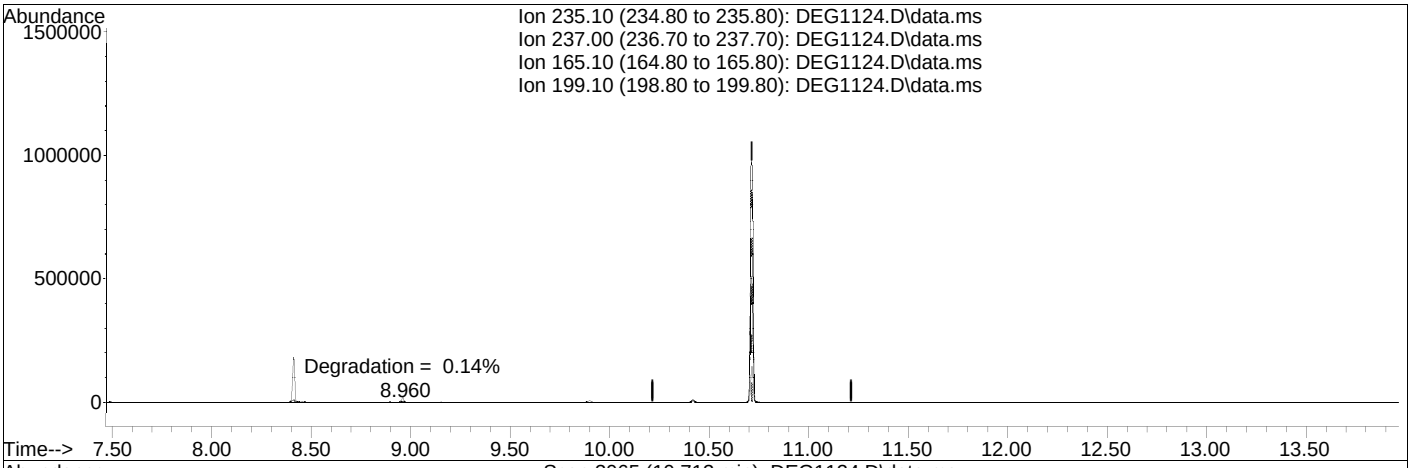
Data Path	: I:\8270\Dakota\241124RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP1124.D	Operator	: Dakota:smz
Date Inj'd	: 11/24/2024 9:27 am	Instrument	: Dakota
Sample	: wg2001636-5,32,,ADP 11153	Quant Date	: 11/24/2024 9:46 am

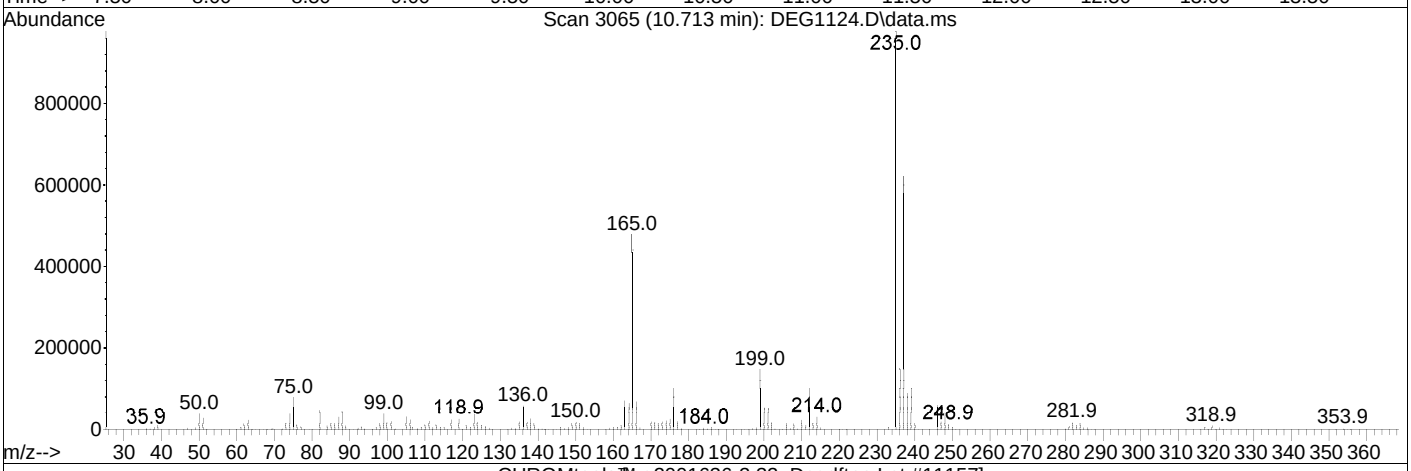
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241124RVT\
Data File : DEG1124.D
Acq On : 24 Nov 2024 8:20 am
Operator : Dakota:smz
Sample : wg2001636-2,32,,Degdftpp Lot #11157
Misc : wg2001636,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 24 08:46:02 2024
Quant Method : I:\8270\Dakota\241124RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration





CHROMtools [wg2001636-2,32,,Degdftpp Lot #11157]

(6) DDT (T)

10.713min (-0.003) 140.56

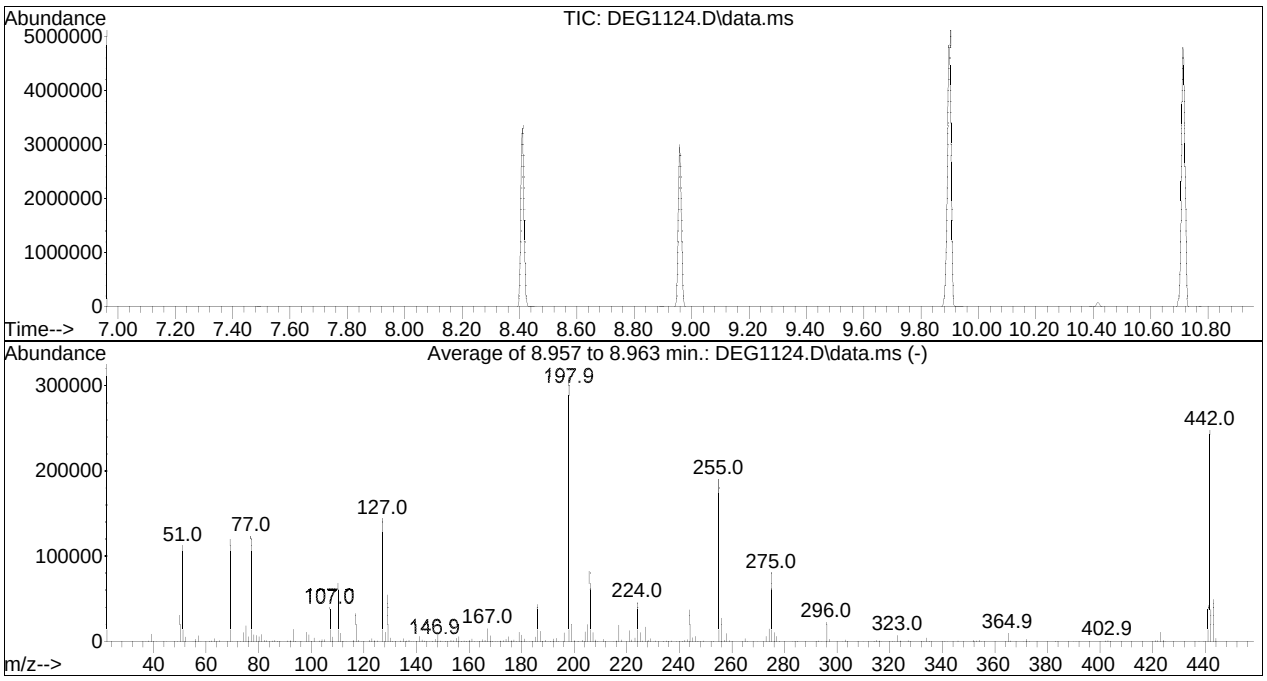
response 856843

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.68
165.10	48.70	48.60
199.10	15.80	14.54

Data Path : I:\8270\Dakota\241124RVT\
Data File : DEG1124.D
Acq On : 24 Nov 2024 8:20 am
Operator : Dakota:cmm
Sample : WG2001636-1,32,,Degdftpp Lot #11157
Misc : WG2001636,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241124RVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Nov 22 22:11:46 2024



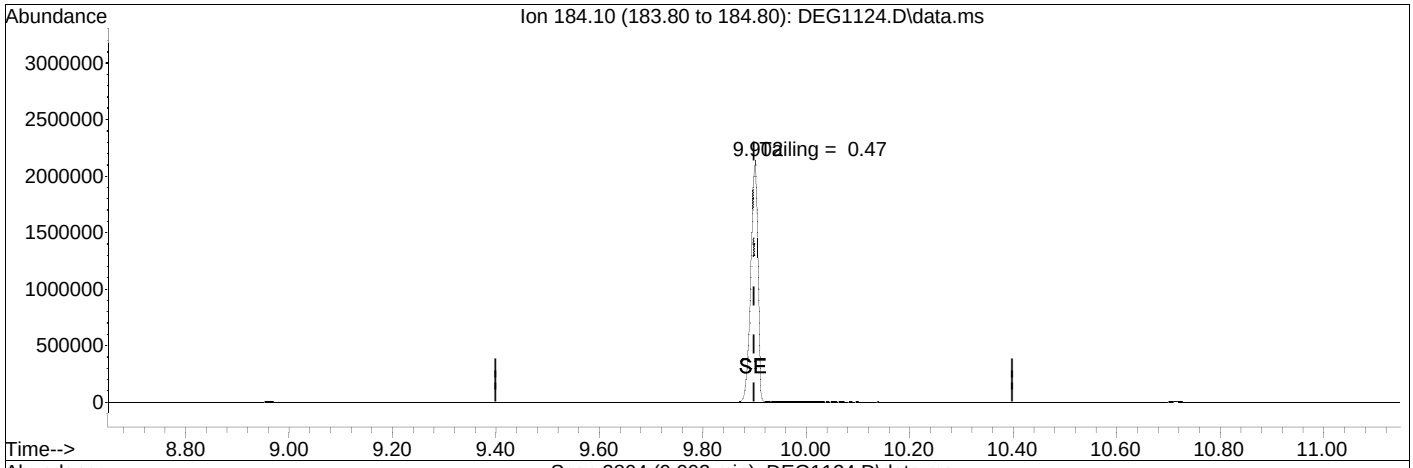
Spectrum Information: Average of 8.957 to 8.963 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.2	112120	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	119621	PASS
70	69	0.00	2	0.5	545	PASS
127	198	10	80	46.6	144277	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	309632	PASS
199	198	5	9	6.6	20400	PASS
275	198	10	60	26.0	80475	PASS
365	198	1	100	3.3	10229	PASS
441	442	0.01	24	17.1	42392	PASS
442	198	50	100	80.1	248043	PASS
443	442	15	24	20.0	49589	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241124RVT\
Data File : DEG1124.D
Acq On : 24 Nov 2024 8:20 am
Operator : Dakota:smz
Sample : wg2001636-6,32,,Degdftpp Lot #11157
Misc : wg2001636,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 24 08:46:02 2024
Quant Method : I:\8270\Dakota\241124RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration



CHROMtools™ [wg2001636-6,32,,Degdftpp Lot #11157]

(3) Benzidine (T)

9.902min (+ 0.003) 189.01

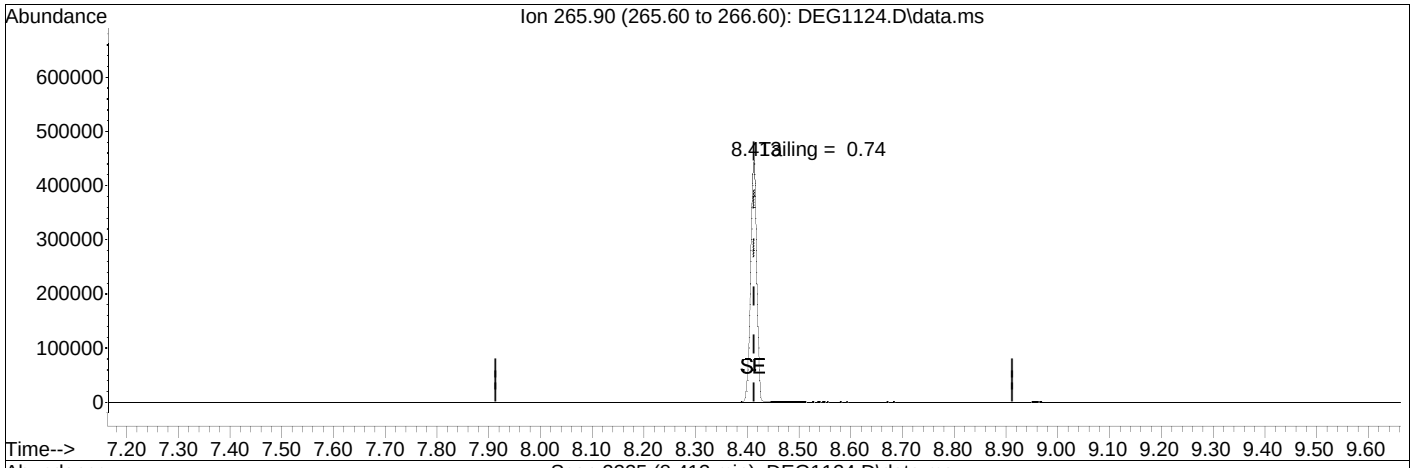
response 1924163

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\241124RVT\
Data File : DEG1124.D
Acq On : 24 Nov 2024 8:20 am
Operator : Dakota:smz
Sample : wg2001636-7,32,,Degdftpp Lot #11157
Misc : wg2001636,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 24 08:46:02 2024
Quant Method : I:\8270\Dakota\241124RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration



CHROMtools™ [wg2001636-7,32,,Degdftpp Lot #11157]

(1) Pentachlorophenol (T)

8.413min (+ 0.000) 163.94

response 344336

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**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 13:41		
Lab File ID	: ABN1123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
n-Nitrosodimethylamine	0.63	0.686	-	-8.9	20	102	0
Pyridine	0.954	1.046	-	-9.6	20	95	0
2-Fluorophenol	1.028	0.992	-	3.5	20	91	0
Aniline	1.567	1.635	-	-4.3	20	98	0
2-Chlorophenol	1.225	1.224	-	0.1	20	93	0
Phenol-d6	1.317	1.347	-	-2.3	20	97	0
Phenol	1.421	1.455	-	-2.4	20	97	0
Bis(2-chloroethyl)ether	1.017	1.037	-	-2	20	98	0
1,3-Dichlorobenzene	1.577	1.486	-	5.8	20	91	0
1,4-Dichlorobenzene	1.61	1.531	-	4.9	20	92	0
1,2-Dichlorobenzene	1.534	1.481	-	3.5	20	93	0
Benzyl alcohol	0.93	0.961	-	-3.3	20	97	0
Bis(2-chloroisopropyl)ethe	1.794	1.862	-	-3.8	20	101	0
2-Methylphenol	1.079	1.096	-	-1.6	20	100	0
Hexachloroethane	0.589	0.523	-	11.2	20	89	0
n-Nitrosodi-n-propylamine	0.863	0.873	-	-1.2	20	99	0
3-Methylphenol/4-Methylphe	1.182	1.218	-	-3	20	102	0
Nitrobenzene-d5	1.195	1.271	-	-6.4	20	100	0
Nitrobenzene	1.222	1.308	-	-7	20	100	0
Isophorone	2.247	2.337	-	-4	20	99	0
2-Nitrophenol	0.619	0.679	-	-9.7	20	105	0
2,4-Dimethylphenol	1.101	1.118	-	-1.5	20	97	0
Bis(2-chloroethoxy)methane	1.4	1.441	-	-2.9	20	98	0
2,4-Dichlorophenol	1.285	1.288	-	-0.2	20	96	0
1,2,4-Trichlorobenzene	1.555	1.473	-	5.3	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	98	0
Naphthalene	1.1	1.016	-	7.6	20	97	0
Benzoic Acid	0.228	0.195	-	14.5	20	93	0
4-Chloroaniline	0.121	0.118	-	2.5	20	98	0
Hexachlorobutadiene	0.258	0.219	-	15.1	20	86	0
p-Chloro-m-cresol	0.29	0.287	-	1	20	101	0
2-Methylnaphthalene	0.761	0.717	-	5.8	20	100	0
1-Methylnaphthalene	0.242	0.224	-	7.4	20	95	0
Hexachlorocyclopentadiene	0.272	0.254	-	6.6	20	93	0
2,4,6-Trichlorophenol	0.287	0.294	-	-2.4	20	104	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	103	0
2-Fluorobiphenyl	0.99	0.909	-	8.2	20	98	0
2-Chloronaphthalene	0.852	0.794	-	6.8	20	97	0
2-Nitroaniline	0.218	0.236	-	-8.3	20	107	0
1,4-Dinitrobenzene	0.095	0.11	-	-15.8	20	114	0
1,3-Dinitrobenzene	0.113	0.126	-	-11.5	20	108	0
Dimethyl phthalate	0.991	0.957	-	3.4	20	102	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 13:41		
Lab File ID	: ABN1123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.232	-	1.6	20	102	0
2,6-Dinitrotoluene	0.185	0.193	-	-4.3	20	102	0
1,2-Dinitrobenzene	0.066	0.073	-	-10.6	20	102	0
IS1_Acenaphthene-d10	1	1	-	0	20	104	0
3-Nitroaniline	0.309	0.333	-	-7.8	20	112	0
Acenaphthene	1.163	1.032	-	11.3	20	101	0
2,4-Dinitrophenol	0.188	0.166	-	11.7	20	100	0
Dibenzofuran	2.006	1.821	-	9.2	20	104	0
2,4-Dinitrotoluene	0.387	0.417	-	-7.8	20	108	0
4-Nitrophenol	0.23	0.258	-	-12.2	20	115	0
2,3,5,6-Tetrachlorophenol	0.436	0.439	-	-0.7	20	107	0
2,3,4,6-Tetrachlorophenol	0.428	0.42	-	1.9	20	106	0
Diethyl phthalate	1.575	1.416	-	10.1	20	103	0
Fluorene	1.536	1.411	-	8.1	20	103	0
4-Chlorophenyl phenyl ethe	0.792	0.699	-	11.7	20	101	0
4-Nitroaniline	0.299	0.353	-	-18.1	20	117	0
4,6-Dinitro-o-cresol	0.234	0.247	-	-5.6	20	106	0
NDPA/DPA	1.337	1.238	-	7.4	20	106	0
Azobenzene	1.281	1.239	-	3.3	20	106	0
2,4,6-Tribromophenol	0.286	0.285	-	0.3	20	109	0
4-Bromophenyl phenyl ether	0.522	0.465	-	10.9	20	102	0
Hexachlorobenzene	0.656	0.582	-	11.3	20	103	0
Pentachlorophenol	0.356	0.388	-	-9	20	113	0
IS1_Phenanthrene-d10	1	1	-	0	20	107	0
Phenanthrene	1.183	1.078	-	8.9	20	106	0
Anthracene	1.16	1.09	-	6	20	108	0
Carbazole	1.064	1.056	-	0.8	20	111	0
Di-n-butylphthalate	1.207	1.142	-	5.4	20	103	0
Fluoranthene	1.422	1.334	-	6.2	20	108	0
Benzidine	0.772	0.816	-	-5.7	20	109	0
Pyrene	1.52	1.465	-	3.6	20	110	0
4-Terphenyl-d14	1.157	1.066	-	7.9	20	107	0
Butyl benzyl phthalate	0.517	0.53	-	-2.5	20	109	0
IS1_Chrysene-d12	1	1	-	0	20	113	0
Benzo(a)anthracene	1.355	1.24	-	8.5	20	112	0
3,3'-Dichlorobenzidine	0.505	0.495	-	2	20	111	0
Chrysene	1.349	1.189	-	11.9	20	110	0
Bis(2-ethylhexyl)phthalate	0.726	0.692	-	4.7	20	107	0
Di-n-octylphthalate	1.212	1.162	-	4.1	20	108	0
Benzo(b)fluoranthene	1.42	1.329	-	6.4	20	115	0
Benzo(k)fluoranthene	1.383	1.348	-	2.5	20	113	0
Benzo(a)pyrene	1.267	1.237	-	2.4	20	114	0
IS1_Perylene-d12	1	1	-	0	20	116	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/23/24 13:41	
Lab File ID	: ABN1123		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2001490-3		**Init. Calib. Times**	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.149	-	6.9	20	114	0
Dibenzo(a,h)anthracene	1.213	1.126	-	7.2	20	111	0
Benzo(ghi)perylene	1.192	1.11	-	6.9	20	115	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/23/24 14:04		
Lab File ID	: AP91123	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001490-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	88	0
Benzaldehyde	0.703	0.766	-	-9	20	88	0
Acetophenone	1.403	1.626	-	-15.9	20	97	0
m-Toluidine	1.287	1.445	-	-12.3	20	96	0
2-Chloroaniline	1.368	1.574	-	-15.1	20	97	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.241	-	-9	20	102	0
3-Chloroaniline	0.115	0.122	-	-6.1	20	97	0
2,6-Dichlorophenol	0.296	0.322	-	-8.8	20	101	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	103	0
Caprolactam	0.123	0.135	-	-9.8	20	106	0
1,2,4,5-Tetrachlorobenzene	0.413	0.417	-	-1	20	95	0
Biphenyl	0.842	0.9	-	-6.9	20	100	0
IS2_Acenaphthene-d10	1	1	-	0	20	104	0
Dichloran	0.169	0.196	-	-16	20	124	0
Pentachloronitrobenzene	0.187	0.189	-	-1.1	20	109	0
IS2_Phenanthrene-d10	1	1	-	0	20	113	0
Diphenamid	0.416	0.438	-	-5.3	20	114	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 11/23/24 14:26	
Lab File ID	: ADP1123		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2001490-5		**Init. Calib. Times**	: 16:59	04:17
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	0.381	0.404	-	-6	20	95	0
n-Decane	1.048	1.122	-	-7.1	20	97	0
IS3_Acenaphthene-d10	1	1	-	0	20	111	0
Atrazine	0.343	0.362	-	-5.5	20	117	0
IS3_Phenanthrene-d10	1	1	-	0	20	119	0
n-Octadecane	0.334	0.343	-	-2.7	20	123	0
Parathion	5	4.99	-	0.2	20	133	0
3,3'-Dimethylbenzidine	0.728	0.732	-	-0.5	20	134	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
n-Nitrosodimethylamine	0.63	0.717	-	-13.8	20	111	0
Pyridine	0.954	1.128	-	-18.2	20	106	0
2-Fluorophenol	1.028	1.093	-	-6.3	20	104	0
Aniline	1.567	1.723	-	-10	20	107	0
2-Chlorophenol	1.225	1.301	-	-6.2	20	103	0
Phenol-d6	1.317	1.434	-	-8.9	20	107	0
Phenol	1.421	1.567	-	-10.3	20	108	0
Bis(2-chloroethyl)ether	1.017	1.095	-	-7.7	20	107	0
1,3-Dichlorobenzene	1.577	1.613	-	-2.3	20	102	0
1,4-Dichlorobenzene	1.61	1.638	-	-1.7	20	102	0
1,2-Dichlorobenzene	1.534	1.609	-	-4.9	20	105	0
Benzyl alcohol	0.93	0.978	-	-5.2	20	103	0
Bis(2-chloroisopropyl)ethe	1.794	1.946	-	-8.5	20	109	0
2-Methylphenol	1.079	1.151	-	-6.7	20	109	0
Hexachloroethane	0.589	0.587	-	0.3	20	103	0
n-Nitrosodi-n-propylamine	0.863	0.869	-	-0.7	20	102	0
3-Methylphenol/4-Methylphe	1.182	1.225	-	-3.6	20	106	0
Nitrobenzene-d5	1.195	1.304	-	-9.1	20	106	0
Nitrobenzene	1.222	1.344	-	-10	20	107	0
Isophorone	2.247	2.26	-	-0.6	20	100	0
2-Nitrophenol	0.619	0.7	-	-13.1	20	112	0
2,4-Dimethylphenol	1.101	1.134	-	-3	20	102	0
Bis(2-chloroethoxy)methane	1.4	1.421	-	-1.5	20	100	0
2,4-Dichlorophenol	1.285	1.306	-	-1.6	20	100	0
1,2,4-Trichlorobenzene	1.555	1.528	-	1.7	20	99	0
IS1_Naphthalene-d8	1	1	-	0	20	98	0
Naphthalene	1.1	1.08	-	1.8	20	103	0
Benzoic Acid	0.228	0.159	-	30.3*	20	76	0
4-Chloroaniline	0.121	0.119	-	1.7	20	98	0
Hexachlorobutadiene	0.258	0.24	-	7	20	94	0
p-Chloro-m-cresol	0.29	0.289	-	0.3	20	101	0
2-Methylnaphthalene	0.761	0.738	-	3	20	103	0
1-Methylnaphthalene	0.242	0.234	-	3.3	20	98	0
Hexachlorocyclopentadiene	0.272	0.262	-	3.7	20	95	0
2,4,6-Trichlorophenol	0.287	0.28	-	2.4	20	98	0
2,4,5-Trichlorophenol	0.32	0.309	-	3.4	20	100	0
2-Fluorobiphenyl	0.99	0.903	-	8.8	20	97	0
2-Chloronaphthalene	0.852	0.808	-	5.2	20	99	0
2-Nitroaniline	0.218	0.223	-	-2.3	20	100	0
1,4-Dinitrobenzene	0.095	0.105	-	-10.5	20	108	0
1,3-Dinitrobenzene	0.113	0.12	-	-6.2	20	102	0
Dimethyl phthalate	0.991	0.895	-	9.7	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.198	-	4.3	20	99	0
2,6-Dinitrotoluene	0.185	0.186	-	-0.5	20	98	0
1,2-Dinitrobenzene	0.066	0.072	-	-9.1	20	101	0
IS1_Acenaphthene-d10	1	1	-	0	20	95	0
3-Nitroaniline	0.309	0.338	-	-9.4	20	104	0
Acenaphthene	1.163	1.091	-	6.2	20	98	0
2,4-Dinitrophenol	0.188	0.157	-	16.5	20	87	0
Dibenzofuran	2.006	1.925	-	4	20	100	0
2,4-Dinitrotoluene	0.387	0.426	-	-10.1	20	101	0
4-Nitrophenol	0.23	0.265	-	-15.2	20	108	0
2,3,5,6-Tetrachlorophenol	0.436	0.447	-	-2.5	20	100	0
2,3,4,6-Tetrachlorophenol	0.428	0.435	-	-1.6	20	100	0
Diethyl phthalate	1.575	1.438	-	8.7	20	95	0
Fluorene	1.536	1.466	-	4.6	20	98	0
4-Chlorophenyl phenyl ethe	0.792	0.721	-	9	20	95	0
4-Nitroaniline	0.299	0.359	-	-20.1*	20	109	0
4,6-Dinitro-o-cresol	0.234	0.24	-	-2.6	20	95	0
NDPA/DPA	1.337	1.278	-	4.4	20	100	0
Azobenzene	1.281	1.284	-	-0.2	20	101	0
2,4,6-Tribromophenol	0.286	0.286	-	0	20	100	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	96	0
Hexachlorobenzene	0.656	0.576	-	12.2	20	94	0
Pentachlorophenol	0.356	0.399	-	-12.1	20	106	0
IS1_Phenanthrene-d10	1	1	-	0	20	94	0
Phenanthrene	1.183	1.152	-	2.6	20	99	0
Anthracene	1.16	1.17	-	-0.9	20	101	0
Carbazole	1.064	1.125	-	-5.7	20	103	0
Di-n-butylphthalate	1.207	1.141	-	5.5	20	90	0
Fluoranthene	1.422	1.426	-	-0.3	20	101	0
Benzidine	0.772	0.864	-	-11.9	20	101	0
Pyrene	1.52	1.541	-	-1.4	20	101	0
4-Terphenyl-d14	1.157	1.114	-	3.7	20	98	0
Butyl benzyl phthalate	0.517	0.545	-	-5.4	20	98	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.355	1.316	-	2.9	20	106	0
3,3'-Dichlorobenzidine	0.505	0.533	-	-5.5	20	107	0
Chrysene	1.349	1.288	-	4.5	20	106	0
Bis(2-ethylhexyl)phthalate	0.726	0.694	-	4.4	20	95	0
Di-n-octylphthalate	1.212	1.208	-	0.3	20	100	0
Benzo(b)fluoranthene	1.42	1.452	-	-2.3	20	111	0
Benzo(k)fluoranthene	1.383	1.47	-	-6.3	20	109	0
Benzo(a)pyrene	1.267	1.368	-	-8	20	112	0
IS1_Perylene-d12	1	1	-	0	20	106	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 08:42		
Lab File ID	: ABN1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.239	-	-0.4	20	113	0
Dibenzo(a,h)anthracene	1.213	1.242	-	-2.4	20	113	0
Benzo(ghi)perylene	1.192	1.221	-	-2.4	20	116	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 09:05		
Lab File ID	: AP91124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-4	**Init. Calib. Times**	: 16:59	04:17	
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	0.703	0.772	-	-9.8	20	92	0
Acetophenone	1.403	1.555	-	-10.8	20	96	0
m-Toluidine	1.287	1.434	-	-11.4	20	98	0
2-Chloroaniline	1.368	1.557	-	-13.8	20	99	0
IS2_Naphthalene-d8	1	1	-	0	20	100	0
a-Terpineol	0.221	0.243	-	-10	20	103	0
3-Chloroaniline	0.115	0.127	-	-10.4	20	101	0
2,6-Dichlorophenol	0.296	0.332	-	-12.2	20	104	0
1-chloro-2-nitrobenzene	0.113	0.129	-	-14.2	20	102	0
Caprolactam	0.123	0.144	-	-17.1	20	113	0
1,2,4,5-Tetrachlorobenzene	0.413	0.406	-	1.7	20	93	0
Biphenyl	0.842	0.898	-	-6.7	20	100	0
IS2_Acenaphthene-d10	1	1	-	0	20	104	0
Dichloran	0.169	0.187	-	-10.7	20	117	0
Pentachloronitrobenzene	0.187	0.187	-	0	20	107	0
IS2_Phenanthrene-d10	1	1	-	0	20	109	0
Diphenamid	0.416	0.432	-	-3.8	20	109	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/24/24 09:27		
Lab File ID	: ADP1124	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2001636-5	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	94	0
1,4-Dioxane	0.381	0.418	-	-9.7	20	98	0
n-Decane	1.048	1.105	-	-5.4	20	95	0
IS3_Acenaphthene-d10	1	1	-	0	20	103	0
Atrazine	0.343	0.329	-	4.1	20	99	0
IS3_Phenanthrene-d10	1	1	-	0	20	108	0
n-Octadecane	0.334	0.32	-	4.2	20	104	0
Parathion	5	4.615	-	7.7	20	111	0
3,3'-Dimethylbenzidine	0.728	0.712	-	2.2	20	118	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 20:52		
Lab File ID	: ABN1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	138	0
n-Nitrosodimethylamine	0.63	0.669	-	-6.2	20	150	0
Pyridine	0.954	1.086	-	-13.8	20	148	0
2-Fluorophenol	1.028	1.034	-	-0.6	20	143	0
Aniline	1.567	1.614	-	-3	20	146	0
2-Chlorophenol	1.225	1.238	-	-1.1	20	142	0
Phenol-d6	1.317	1.359	-	-3.2	20	147	0
Phenol	1.421	1.475	-	-3.8	20	147	0
Bis(2-chloroethyl)ether	1.017	1.018	-	-0.1	20	144	0
1,3-Dichlorobenzene	1.577	1.459	-	7.5	20	134	0
1,4-Dichlorobenzene	1.61	1.468	-	8.8	20	132	0
1,2-Dichlorobenzene	1.534	1.442	-	6	20	136	0
Benzyl alcohol	0.93	1.001	-	-7.6	20	152	0
Bis(2-chloroisopropyl)ethe	1.794	1.857	-	-3.5	20	151	0
2-Methylphenol	1.079	1.097	-	-1.7	20	150	0
Hexachloroethane	0.589	0.546	-	7.3	20	139	0
n-Nitrosodi-n-propylamine	0.863	0.901	-	-4.4	20	154	0
3-Methylphenol/4-Methylphe	1.182	1.194	-	-1	20	149	0
Nitrobenzene-d5	1.195	1.285	-	-7.5	20	151	0
Nitrobenzene	1.222	1.292	-	-5.7	20	149	0
Isophorone	2.247	2.342	-	-4.2	20	149	0
2-Nitrophenol	0.619	0.669	-	-8.1	20	155	0
2,4-Dimethylphenol	1.101	1.038	-	5.7	20	135	0
Bis(2-chloroethoxy)methane	1.4	1.446	-	-3.3	20	148	0
2,4-Dichlorophenol	1.285	1.336	-	-4	20	149	0
1,2,4-Trichlorobenzene	1.555	1.45	-	6.8	20	136	0
IS1_Naphthalene-d8	1	1	-	0	20	149	0
Naphthalene	1.1	0.986	-	10.4	20	143	0
Benzoic Acid	0.228	0.221	-	3.1	20	160	0
4-Chloroaniline	0.121	0.117	-	3.3	20	146	0
Hexachlorobutadiene	0.258	0.222	-	14	20	132	0
p-Chloro-m-cresol	0.29	0.293	-	-1	20	156	0
2-Methylnaphthalene	0.761	0.687	-	9.7	20	146	0
1-Methylnaphthalene	0.242	0.223	-	7.9	20	143	0
Hexachlorocyclopentadiene	0.272	0.212	-	22.1*	20	117	0
2,4,6-Trichlorophenol	0.287	0.284	-	1	20	152	0
2,4,5-Trichlorophenol	0.32	0.313	-	2.2	20	155	0
2-Fluorobiphenyl	0.99	0.879	-	11.2	20	143	0
2-Chloronaphthalene	0.852	0.761	-	10.7	20	142	0
2-Nitroaniline	0.218	0.232	-	-6.4	20	159	0
1,4-Dinitrobenzene	0.095	0.102	-	-7.4	20	161	0
1,3-Dinitrobenzene	0.113	0.123	-	-8.8	20	160	0
Dimethyl phthalate	0.991	0.924	-	6.8	20	149	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 20:52		
Lab File ID	: ABN1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.191	-	4.9	20	150	0
2,6-Dinitrotoluene	0.185	0.193	-	-4.3	20	154	0
1,2-Dinitrobenzene	0.066	0.072	-	-9.1	20	152	0
IS1_Acenaphthene-d10	1	1	-	0	20	153	0
3-Nitroaniline	0.309	0.327	-	-5.8	20	161	0
Acenaphthene	1.163	1.044	-	10.2	20	150	0
2,4-Dinitrophenol	0.188	0.07	-	62.8*	20	62	0
Dibenzofuran	2.006	1.784	-	11.1	20	149	0
2,4-Dinitrotoluene	0.387	0.418	-	-8	20	159	0
4-Nitrophenol	0.23	0.242	-	-5.2	20	158	0
2,3,5,6-Tetrachlorophenol	0.436	0.448	-	-2.8	20	161	0
2,3,4,6-Tetrachlorophenol	0.428	0.429	-	-0.2	20	159	0
Diethyl phthalate	1.575	1.406	-	10.7	20	150	0
Fluorene	1.536	1.398	-	9	20	150	0
4-Chlorophenyl phenyl ethe	0.792	0.678	-	14.4	20	144	0
4-Nitroaniline	0.299	0.342	-	-14.4	20	167	0
4,6-Dinitro-o-cresol	0.234	0.151	-	35.5*	20	96	0
NDPA/DPA	1.337	1.217	-	9	20	152	0
Azobenzene	1.281	1.248	-	2.6	20	157	0
2,4,6-Tribromophenol	0.286	0.291	-	-1.7	20	163	0
4-Bromophenyl phenyl ether	0.522	0.457	-	12.5	20	147	0
Hexachlorobenzene	0.656	0.57	-	13.1	20	149	0
Pentachlorophenol	0.356	0.384	-	-7.9	20	164	0
IS1_Phenanthrene-d10	1	1	-	0	20	156	0
Phenanthrene	1.183	1.055	-	10.8	20	151	0
Anthracene	1.16	1.075	-	7.3	20	155	0
Carbazole	1.064	1.03	-	3.2	20	157	0
Di-n-butylphthalate	1.207	1.147	-	5	20	151	0
Fluoranthene	1.422	1.297	-	8.8	20	153	0
Benzidine	0.772	0.7	-	9.3	20	136	0
Pyrene	1.52	1.379	-	9.3	20	150	0
4-Terphenyl-d14	1.157	1.018	-	12	20	149	0
Butyl benzyl phthalate	0.517	0.533	-	-3.1	20	160	0
IS1_Chrysene-d12	1	1	-	0	20	161	0
Benzo(a)anthracene	1.355	1.225	-	9.6	20	158	0
3,3'-Dichlorobenzidine	0.505	0.49	-	3	20	156	0
Chrysene	1.349	1.156	-	14.3	20	152	0
Bis(2-ethylhexyl)phthalate	0.726	0.693	-	4.5	20	152	0
Di-n-octylphthalate	1.212	1.187	-	2.1	20	157	0
Benzo(b)fluoranthene	1.42	1.303	-	8.2	20	160	0
Benzo(k)fluoranthene	1.383	1.272	-	8	20	151	0
Benzo(a)pyrene	1.267	1.209	-	4.6	20	158	0
IS1_Perylene-d12	1	1	-	0	20	161	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 20:52		
Lab File ID	: ABN1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.138	-	7.8	20	157	0
Dibenzo(a,h)anthracene	1.213	1.093	-	9.9	20	150	0
Benzo(ghi)perylene	1.192	1.083	-	9.1	20	156	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 21:14		
Lab File ID	: AP91125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	81	0
Benzaldehyde	0.703	0.802	-	-14.1	20	85	0
Acetophenone	1.403	1.598	-	-13.9	20	89	0
m-Toluidine	1.287	1.462	-	-13.6	20	90	0
2-Chloroaniline	1.368	1.576	-	-15.2	20	90	0
IS2_Naphthalene-d8	1	1	-	0	20	89	0
a-Terpineol	0.221	0.244	-	-10.4	20	93	0
3-Chloroaniline	0.115	0.127	-	-10.4	20	90	0
2,6-Dichlorophenol	0.296	0.359	-	-21.3*	20	100	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	93	0
Caprolactam	0.123	0.155	-	-26*	20	109	0
1,2,4,5-Tetrachlorobenzene	0.413	0.41	-	0.7	20	84	0
Biphenyl	0.842	0.917	-	-8.9	20	91	0
IS2_Acenaphthene-d10	1	1	-	0	20	91	0
Dichloran	0.169	0.184	-	-8.9	20	101	0
Pentachloronitrobenzene	0.187	0.187	-	0	20	94	0
IS2_Phenanthrene-d10	1	1	-	0	20	97	0
Diphenamid	0.416	0.426	-	-2.4	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/25/24 21:37		
Lab File ID	: ADP1125N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2002259-5	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	79	0
1,4-Dioxane	0.381	0.394	-	-3.4	20	77	0
n-Decane	1.048	1.089	-	-3.9	20	78	0
IS3_Acenaphthene-d10	1	1	-	0	20	89	0
Atrazine	0.343	0.341	-	0.6	20	89	0
IS3_Phenanthrene-d10	1	1	-	0	20	94	0
n-Octadecane	0.334	0.337	-	-0.9	20	95	0
Parathion	5	4.682	-	6.4	20	99	0
3,3'-Dimethylbenzidine	0.728	0.731	-	-0.4	20	106	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241125NRVT\
Data File : ABN1125n.D
Acq On : 25 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg2002259-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2002259,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 25 21:24:22 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 09:15:58 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	138	0.00
2	t	n-Nitrosodimethylamine	0.630	0.669	-6.2	150	0.00
3	t	Pyridine	0.954	1.086	-13.8	148	0.00
4	S	2-Fluorophenol	1.028	1.034	-0.6	143	0.00
5	T	Aniline	1.567	1.614	-3.0	146	0.00
6	t	2-Chlorophenol	1.225	1.238	-1.1	142	0.00
7	S	Phenol-d6	1.317	1.359	-3.2	147	0.00
8	T	Phenol	1.421	1.475	-3.8	147	0.00
9	T	Bis(2-chloroethyl)ether	1.017	1.018	-0.1	144	0.00
10	T	1,3-Dichlorobenzene	1.577	1.459	7.5	134	0.00
11	T	1,4-Dichlorobenzene	1.610	1.468	8.8	132	0.00
12	T	1,2-Dichlorobenzene	1.534	1.442	6.0	136	0.00
13	t	Benzyl alcohol	0.930	1.001	-7.6	152	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.857	-3.5	151	0.00
15	T	2-Methylphenol	1.079	1.097	-1.7	150	0.00
16	T	Hexachloroethane	0.589	0.546	7.3	139	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.901	-4.4	154	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.194	-1.0	149	0.00
19	S	Nitrobenzene-d5	1.195	1.285	-7.5	151	0.00
20	T	Nitrobenzene	1.222	1.292	-5.7	149	0.00
21	T	Isophorone	2.247	2.342	-4.2	149	0.00
22	T	2-Nitrophenol	0.619	0.669	-8.1	155	0.00
23	T	2,4-Dimethylphenol	1.101	1.038	5.7	135	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.446	-3.3	148	0.00
25	T	2,4-Dichlorophenol	1.285	1.336	-4.0	149	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.450	6.8	136	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	149	0.00
38	T	Naphthalene	1.100	0.986	10.4	143	0.00
39	T	Benzoic Acid	0.228	0.221	3.1	160	0.00
40	T	4-Chloroaniline	0.121	0.117	3.3	146	0.00
41	T	Hexachlorobutadiene	0.258	0.222	14.0	132	0.00
42	T	p-Chloro-m-cresol	0.290	0.293	-1.0	156	0.00
43	T	2-Methylnaphthalene	0.761	0.687	9.7	146	0.00
44	T	1-Methylnaphthalene	0.242	0.223	7.9	143	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.212	22.1#	117	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.284	1.0	152	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.313	2.2	155	0.00
48	S	2-Fluorobiphenyl	0.990	0.879	11.2	143	0.00

Data Path : I:\8270\Dakota\241125NRVT\
Data File : ABN1125n.D
Acq On : 25 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg2002259-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2002259,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 25 21:24:22 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 09:15:58 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)
49	T	2-Chloronaphthalene	0.852	0.761	10.7	142	0.00
50	T	2-Nitroaniline	0.218	0.232	-6.4	159	0.00
51	T	1,4-Dinitrobenzene	0.095	0.102	-7.4	161	0.00
52	T	1,3-Dinitrobenzene	0.113	0.123	-8.8	160	0.00
53	T	Dimethyl phthalate	0.991	0.924	6.8	149	0.00
54	T	Acenaphthylene	1.252	1.191	4.9	150	0.00
55	T	2,6-Dinitrotoluene	0.185	0.193	-4.3	154	0.00
56	T	1,2-Dinitrobenzene	0.066	0.072	-9.1	152	0.00
65	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	153	0.00
66	T	3-Nitroaniline	0.309	0.327	-5.8	161	0.00
67	T	Acenaphthene	1.163	1.044	10.2	150	0.00
68	T	2,4-Dinitrophenol	0.188	0.070	62.8#	62	0.00
69	T	Dibenzofuran	2.006	1.784	11.1	149	0.00
70	T	2,4-Dinitrotoluene	0.387	0.418	-8.0	159	0.00
71	T	4-Nitrophenol	0.230	0.242	-5.2	158	0.00
72	T	2,3,5,6-Tetrachlorophenol	0.436	0.448	-2.8	161	0.00
73	T	2,3,4,6-Tetrachlorophenol	0.428	0.429	-0.2	159	0.00
74	T	Diethyl phthalate	1.575	1.406	10.7	150	0.00
75	T	Fluorene	1.536	1.398	9.0	150	0.00
76	T	4-Chlorophenyl phenyl ether	0.792	0.678	14.4	144	0.00
77	T	4-Nitroaniline	0.299	0.342	-14.4	167	0.00
78	T	4,6-Dinitro-o-cresol	0.234	0.151	35.5#	96	0.00
79	T	NDPA/DPA	1.337	1.217	9.0	152	0.00
80	T	Azobenzene	1.281	1.248	2.6	157	0.00
81	S	2,4,6-Tribromophenol	0.286	0.291	-1.7	163	0.00
82	T	4-Bromophenyl phenyl ether	0.522	0.457	12.5	147	0.00
83	T	Hexachlorobenzene	0.656	0.570	13.1	149	0.00
84	T	Pentachlorophenol	0.356	0.384	-7.9	164	0.00
90	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	156	0.00
91	T	Phenanthrene	1.183	1.055	10.8	151	0.00
92	T	Anthracene	1.160	1.075	7.3	155	0.00
93	T	Carbazole	1.064	1.030	3.2	157	0.00
94	T	Di-n-butylphthalate	1.207	1.147	5.0	151	0.00
95	T	Fluoranthene	1.422	1.297	8.8	153	0.00
96	T	Benzidine	0.772	0.700	9.3	136	0.00
97	T	Pyrene	1.520	1.379	9.3	150	0.00
98	S	4-Terphenyl-d14	1.157	1.018	12.0	149	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241125NRVT\
Data File : ABN1125n.D
Acq On : 25 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg2002259-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2002259,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 25 21:24:22 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 09:15:58 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)
99	T	Butyl benzyl phthalate	0.517	0.533	-3.1	160	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	161	0.00
107	T	Benzo(a)anthracene	1.355	1.225	9.6	158	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.490	3.0	156	0.00
109	T	Chrysene	1.349	1.156	14.3	152	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.693	4.5	152	0.00
111	T	Di-n-octylphthalate	1.212	1.187	2.1	157	0.00
112	T	Benzo(b)fluoranthene	1.420	1.303	8.2	160	0.00
113	T	Benzo(k)fluoranthene	1.383	1.272	8.0	151	0.00
114	T	Benzo(a)pyrene	1.267	1.209	4.6	158	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	161	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.138	7.8	157	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.093	9.9	150	0.00
118	T	Benzo(ghi)perylene	1.192	1.083	9.1	156	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\241125NRVT\
Data File : ABN1125n.D
Acq On : 25 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg2002259-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2002259,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 25 21:24:22 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 09:15:58 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...	4.224	152	40101	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	5.464	136	159893	4.000	ug/ml	#	0.00
65) IS1_Acenaphthene-d10	7.155	164	106227	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	8.566	188	233287	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	11.130	240	278188	4.000	ug/ml		0.00
115) IS1_Perylene-d12	12.544	264	327345	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.924	112	51845	5.029	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 251.45%#				
7) Phenol-d6	3.928	99	68111	5.159	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 257.95%#				
19) Nitrobenzene-d5	4.777	82	64402	5.375	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 537.50%#				
48) 2-Fluorobiphenyl	6.536	172	175707	4.440	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 444.00%#				
81) 2,4,6-Tribromophenol	7.913	330	38675	5.093	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 254.65%#				
98) 4-Terphenyl-d14	10.135	244	296939	4.399	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 439.90%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.526	74	33535	5.307	ug/ml	#	81
3) Pyridine	1.551	79	54415	5.690	ug/ml	#	60
5) Aniline	3.907	93	80886	5.150	ug/ml		97
6) 2-Chlorophenol	4.018	128	62066	5.054	ug/ml	#	87
8) Phenol	3.941	94	73961	5.193	ug/ml		95
9) Bis(2-chloroethyl)ether	4.000	93	51040	5.005	ug/ml		98
10) 1,3-Dichlorobenzene	4.165	146	73128	4.627	ug/ml		93
11) 1,4-Dichlorobenzene	4.239	146	73586	4.560	ug/ml		94
12) 1,2-Dichlorobenzene	4.388	146	72287	4.700	ug/ml		94
13) Benzyl alcohol	4.391	79	50188	5.383	ug/ml		99
14) Bis(2-chloroisopropyl)...	4.537	45	93072	5.175	ug/ml	#	65
15) 2-Methylphenol	4.534	108	54968	5.080	ug/ml		98
16) Hexachloroethane	4.712	117	27356	4.630	ug/ml	#	60
17) n-Nitrosodi-n-propylamine	4.665	70	45180	5.224	ug/ml	#	86
18) 3-Methylphenol/4-Methy...	4.696	108	59874	5.051	ug/ml		97
20) Nitrobenzene	4.792	77	64765	5.286	ug/ml		97
21) Isophorone	5.038	82	117405	5.212	ug/ml		94
22) 2-Nitrophenol	5.109	139	33531	5.405	ug/ml	#	89

Data Path : I:\8270\Dakota\241125NRVT\
Data File : ABN1125n.D
Acq On : 25 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg2002259-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2002259,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 25 21:24:22 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 09:15:58 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.206	107	52009	4.713	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.287	93	72460	5.163	ug/ml	98
25) 2,4-Dichlorophenol	5.352	162	66979	5.199	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.423	180	72699	4.663	ug/ml#	96
38) Naphthalene	5.482	128	197116	4.482	ug/ml	99
39) Benzoic Acid	5.305	105	44214	4.857	ug/ml	91
40) 4-Chloroaniline	5.566	65	23307	4.822	ug/ml#	69
41) Hexachlorobutadiene	5.641	225	44342	4.293	ug/ml	99
42) p-Chloro-m-cresol	6.076	107	58532	5.052	ug/ml	91
43) 2-Methylnaphthalene	6.160	142	137269	4.511	ug/ml	95
44) 1-Methylnaphthalene	6.253	115	44532	4.603	ug/ml	92
45) Hexachlorocyclopentadiene	6.334	237	42470	3.903	ug/ml	99
46) 2,4,6-Trichlorophenol	6.455	196	56769	4.956	ug/ml	99
47) 2,4,5-Trichlorophenol	6.483	196	62558	4.884	ug/ml	98
49) 2-Chloronaphthalene	6.623	162	152086	4.463	ug/ml#	92
50) 2-Nitroaniline	6.741	138	46310	5.311	ug/ml#	80
51) 1,4-Dinitrobenzene	6.878	168	20394	5.385	ug/ml	87
52) 1,3-Dinitrobenzene	6.949	168	24656	5.435	ug/ml#	1
53) Dimethyl phthalate	6.952	163	184600	4.661	ug/ml#	97
54) Acenaphthylene	7.012	152	238007	4.756	ug/ml	98
55) 2,6-Dinitrotoluene	6.990	165	38545	5.213	ug/ml#	75
56) 1,2-Dinitrobenzene	7.027	168	14309	5.404	ug/ml#	1
66) 3-Nitroaniline	7.139	138	43428	5.294	ug/ml#	87
67) Acenaphthene	7.186	154	138622	4.487	ug/ml	88
68) 2,4-Dinitrophenol	7.242	184	9300	1.862	ug/ml#	85
69) Dibenzofuran	7.353	168	236872	4.446	ug/ml#	85
70) 2,4-Dinitrotoluene	7.372	165	55538	5.402	ug/ml#	78
71) 4-Nitrophenol	7.344	65	32104	5.250	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.450	232	59492	5.133	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.490	232	56960	5.013	ug/ml	98
74) Diethyl phthalate	7.636	149	186742	4.466	ug/ml	98
75) Fluorene	7.680	166	185609	4.549	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.708	204	90032	4.282	ug/ml#	86
77) 4-Nitroaniline	7.720	138	45476	5.735	ug/ml#	79
78) 4,6-Dinitro-o-cresol	7.757	198	20103	3.235	ug/ml#	62
79) NDPA/DPA	7.826	169	161535	4.551	ug/ml	92
80) Azobenzene	7.854	77	165772	4.874	ug/ml	96
82) 4-Bromophenyl phenyl e...	8.171	248	60722	4.384	ug/ml#	81
83) Hexachlorobenzene	8.211	284	75644	4.339	ug/ml#	79
84) Pentachlorophenol	8.410	266	51011	5.398	ug/ml	99
91) Phenanthrene	8.587	178	307699	4.461	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : ABN1125n.D
Acq On : 25 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg2002259-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2002259,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 25 21:24:22 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 09:15:58 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	Anthracene	8.637	178	313439	4.633	ug/ml	98
93)	Carbazole	8.811	167	300473	4.840	ug/ml	98
94)	Di-n-butylphthalate	9.218	149	334584	4.754	ug/ml#	98
95)	Fluoranthene	9.725	202	378130	4.559	ug/ml#	92
96)	Benzidine	9.890	184	204018	4.533	ug/ml#	95
97)	Pyrene	9.933	202	402178	4.538	ug/ml	99
99)	Butyl benzyl phthalate	10.651	149	155463	5.157	ug/ml#	83
107)	Benzo(a)anthracene	11.120	228	426029	4.520	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.136	252	170248	4.848	ug/ml#	96
109)	Chrysene	11.155	228	401999	4.285	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.279	149	240905	4.768	ug/ml#	89
111)	Di-n-octylphthalate	11.935	149	412749	4.898	ug/ml#	73
112)	Benzo(b)fluoranthene	12.190	252	453070	4.588	ug/ml#	94
113)	Benzo(k)fluoranthene	12.214	252	442198	4.597	ug/ml#	94
114)	Benzo(a)pyrene	12.491	252	420350	4.771	ug/ml#	93
116)	Indeno(1,2,3-cd)pyrene	13.480	276	465525	4.609	ug/mL#	90
117)	Dibenzo(a,h)anthracene	13.504	278	447114	4.505	ug/ml#	90
118)	Benzo(ghi)perylene	13.691	276	442939	4.540	ug/ml#	87

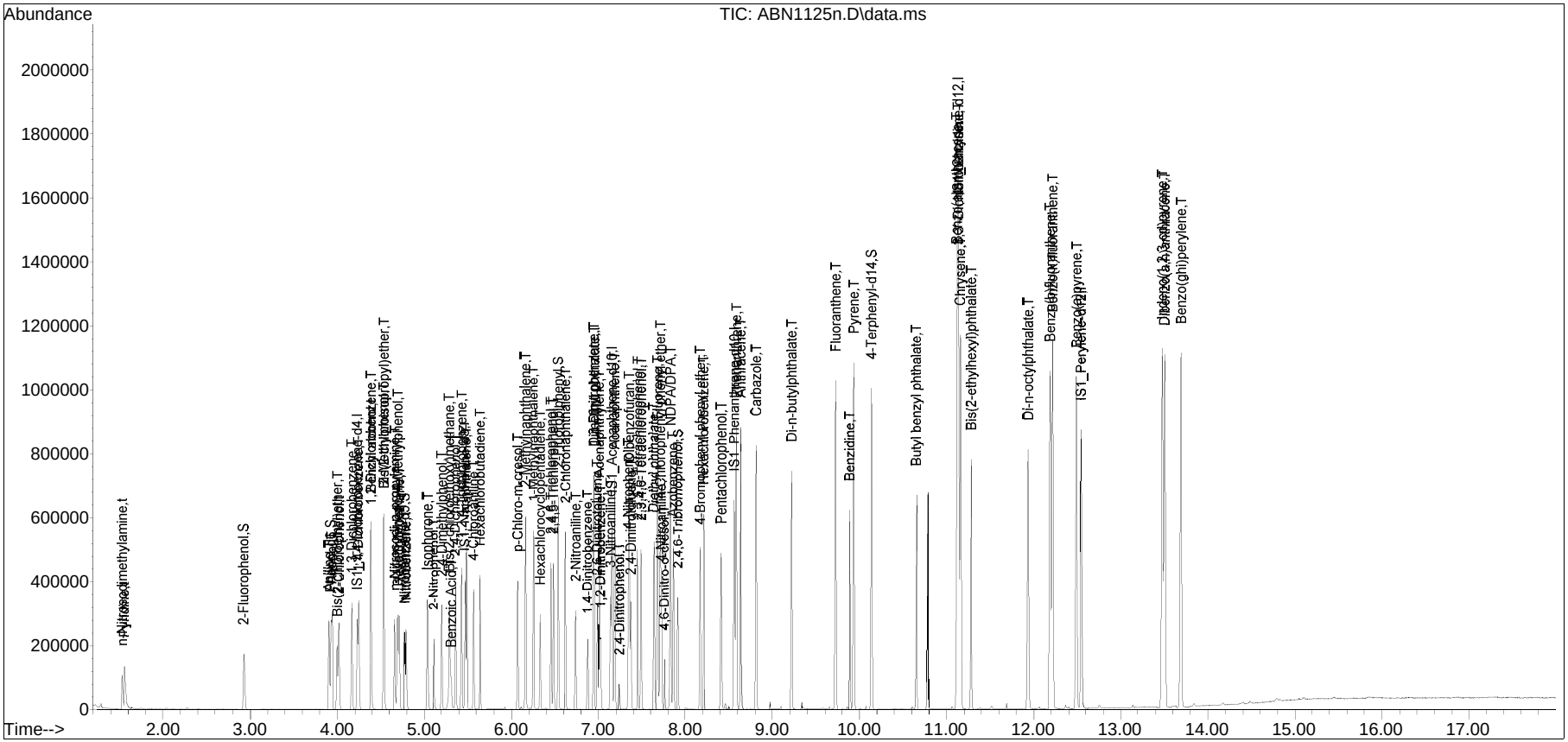
(#) = qualifier out of range (m) = manual integration (+) = signals summed

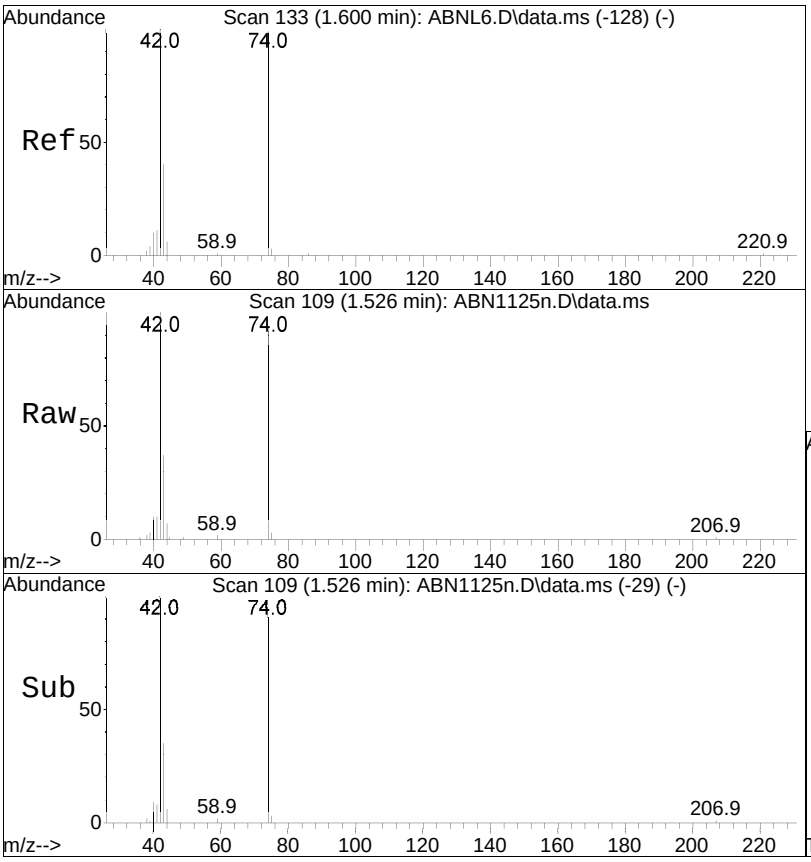
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : ABN1125n.D
Acq On : 25 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg2002259-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2002259,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 25 21:24:22 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 09:15:58 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

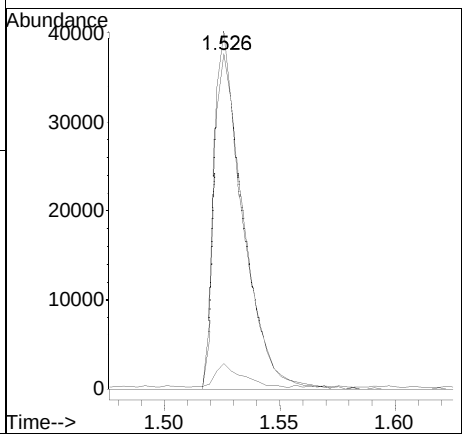


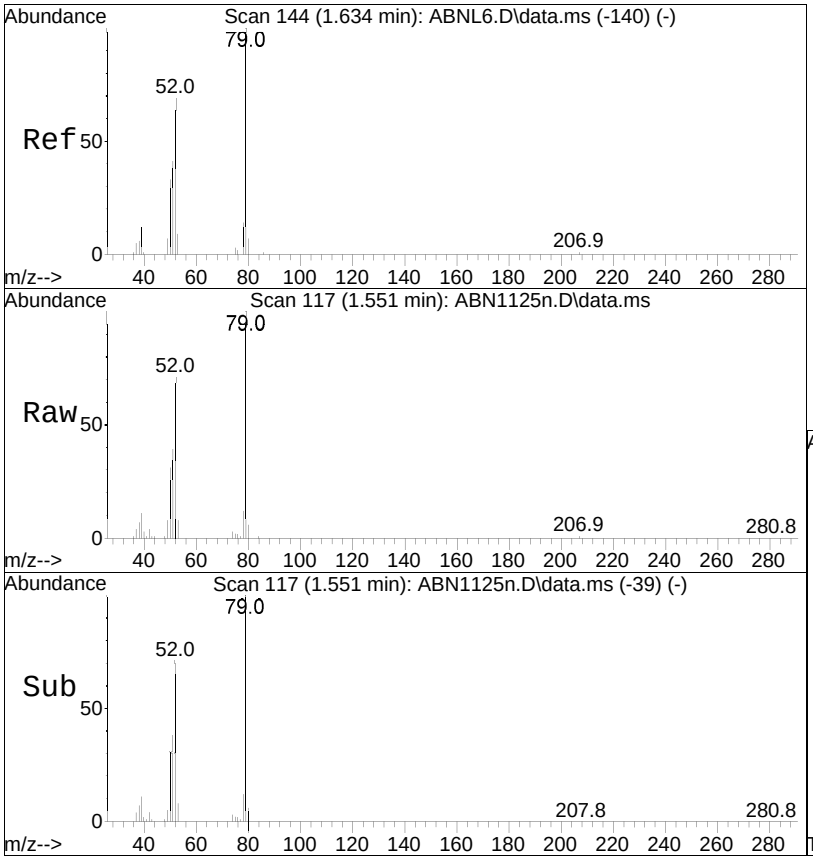


#2
n-Nitrosodimethylamine
Concen: 5.31 ug/ml
RT: 1.526 min Scan# 109
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 74 Resp: 33535

Ion	Ratio	Lower	Upper
74	100		
42	102.0	100.0	150.0
44	6.6	6.7	10.1#

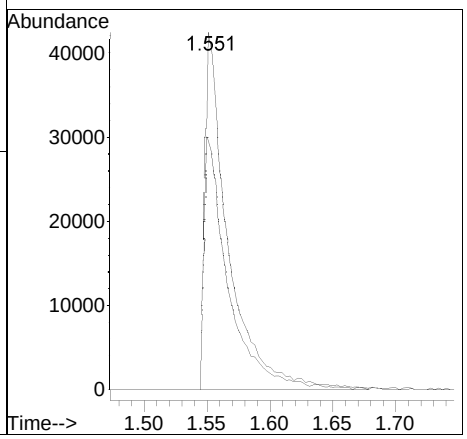


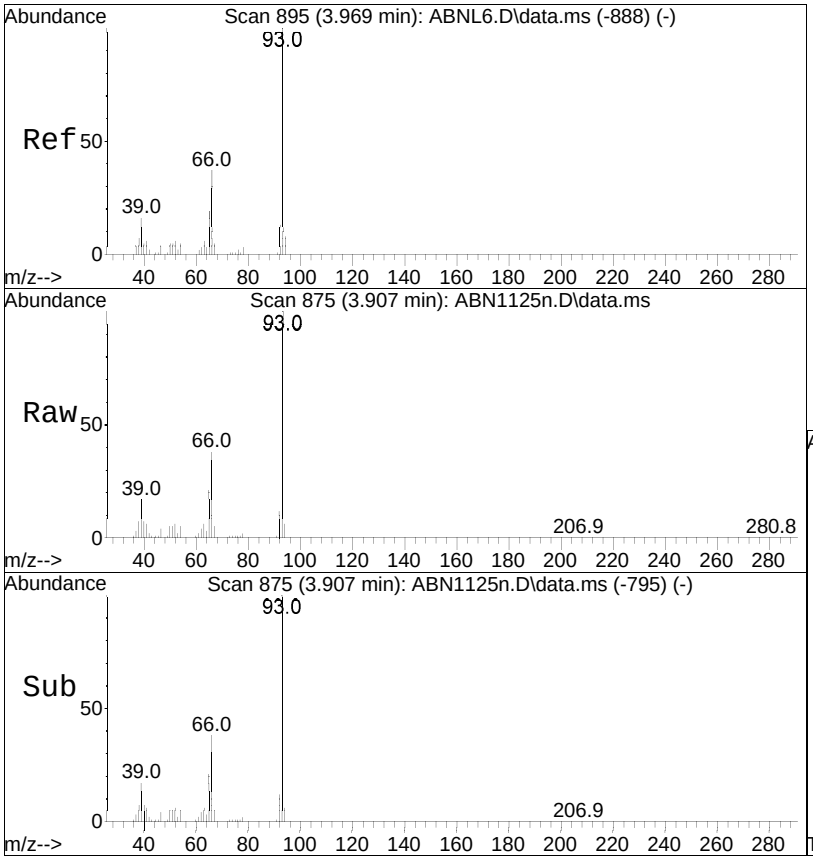


#3
Pyridine
Concen: 5.69 ug/ml
RT: 1.551 min Scan# 117
Delta R.T. -0.006 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 79 Resp: 54415

Ion	Ratio	Lower	Upper
79	100		
52	72.3	93.1	139.7#

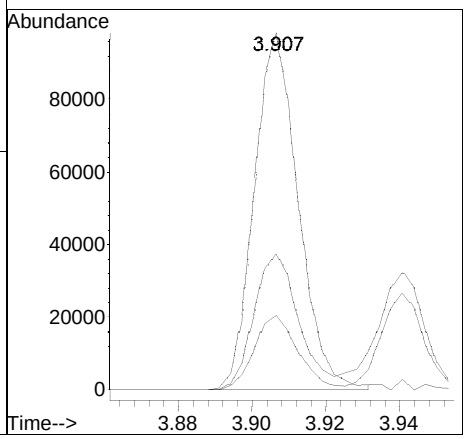


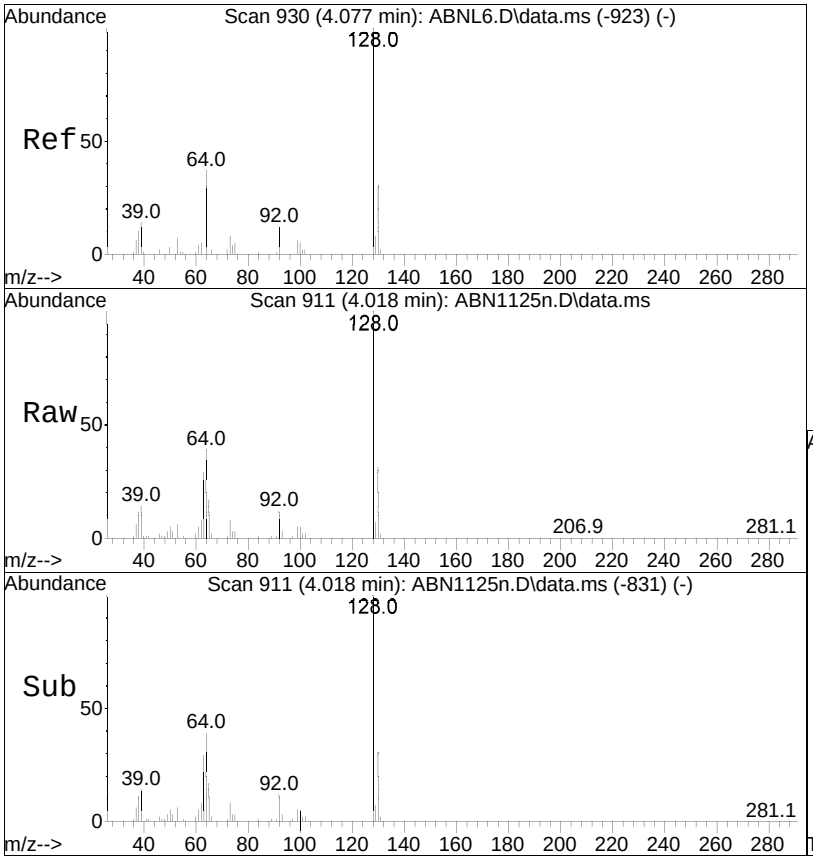


#5
Aniline
Concen: 5.15 ug/ml
RT: 3.907 min Scan# 875
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 93 Resp: 80886

Ion	Ratio	Lower	Upper
93	100		
66	39.0	32.6	49.0
65	21.0	17.6	26.4

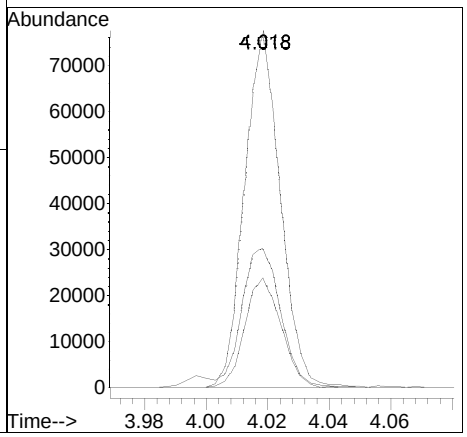


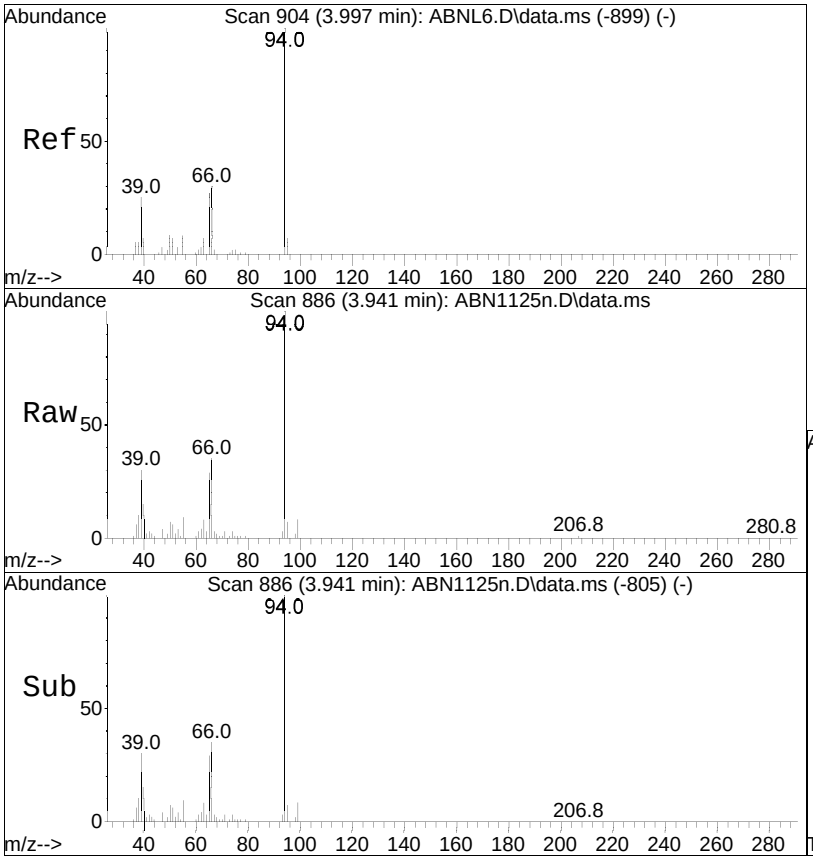


#6
2-Chlorophenol
Concen: 5.05 ug/ml
RT: 4.018 min Scan# 911
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:128 Resp: 62066

Ion	Ratio	Lower	Upper
128	100		
64	42.6	45.1	67.7#
130	31.5	26.2	39.4

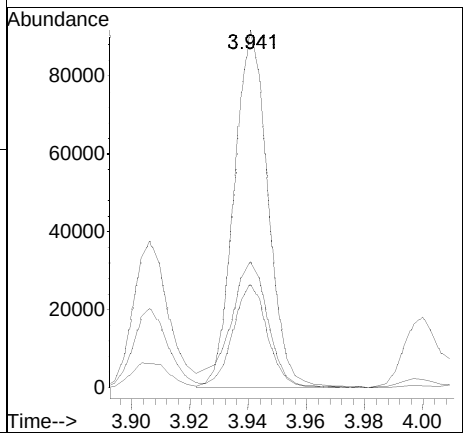


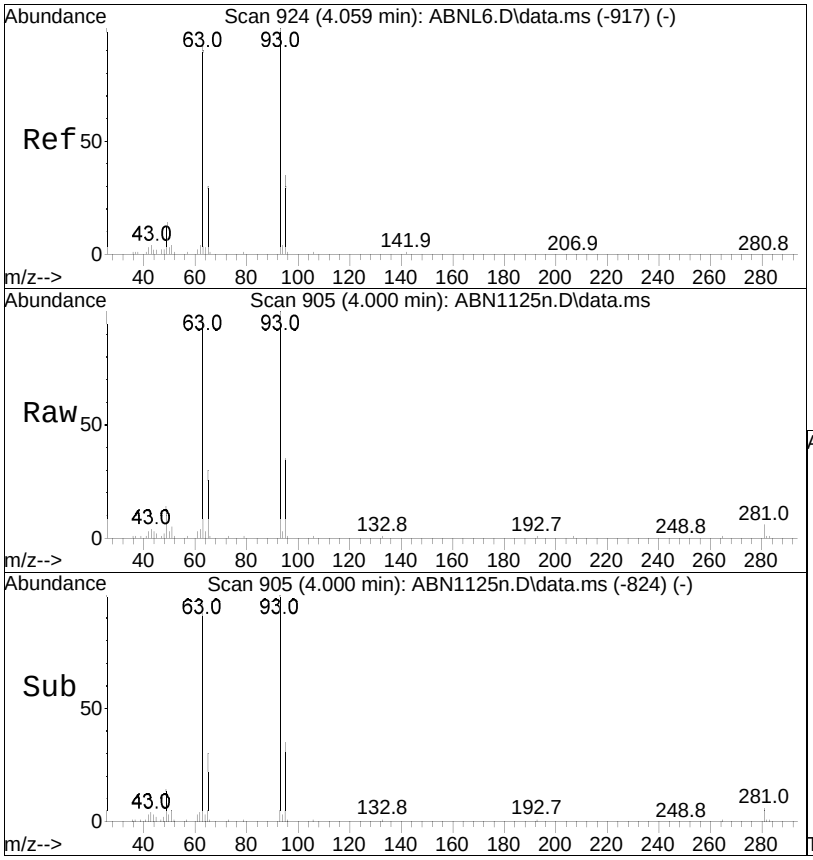


#8
Phenol
Concen: 5.19 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 94 Resp: 73961

Ion	Ratio	Lower	Upper
94	100		
65	29.3	26.0	39.0
66	39.5	33.8	50.8

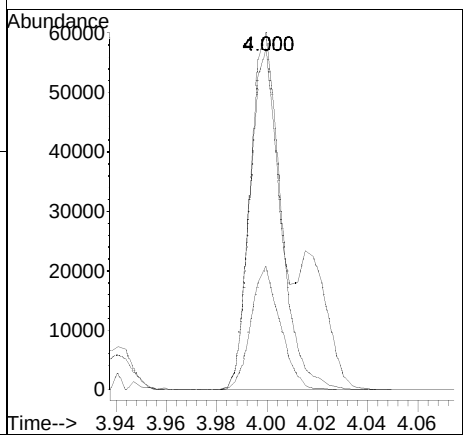


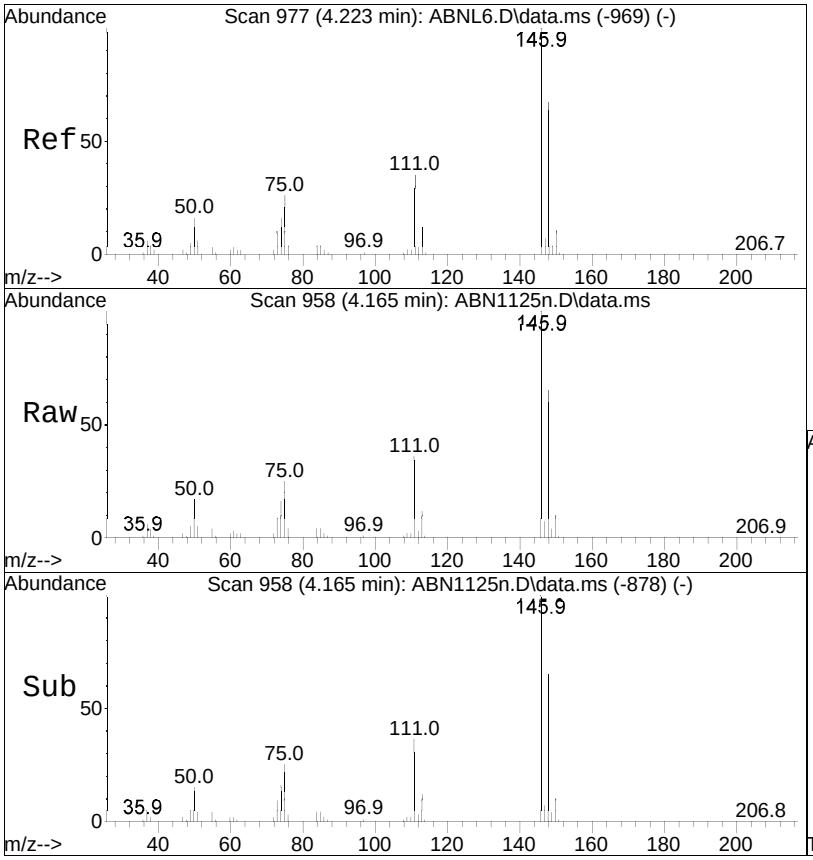


#9
Bis(2-chloroethyl)ether
Concen: 5.00 ug/ml
RT: 4.000 min Scan# 905
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 93 Resp: 51040

Ion	Ratio	Lower	Upper
93	100		
63	90.5	74.6	111.8
95	32.9	25.9	38.9

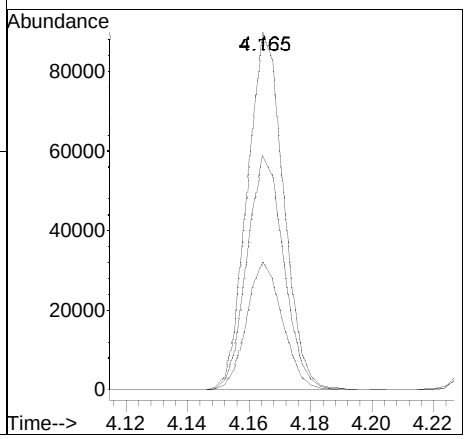


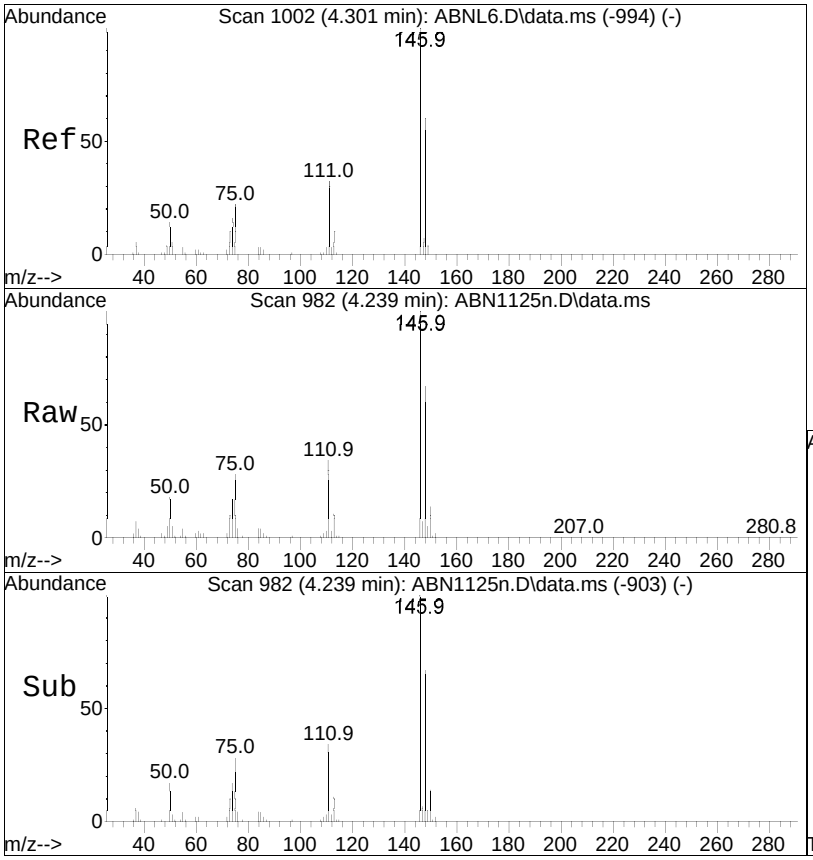


#10
1,3-Dichlorobenzene
Concen: 4.63 ug/ml
RT: 4.165 min Scan# 958
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:146 Resp: 73128

Ion	Ratio	Lower	Upper
146	100		
111	35.4	34.3	51.5
148	66.3	50.8	76.2

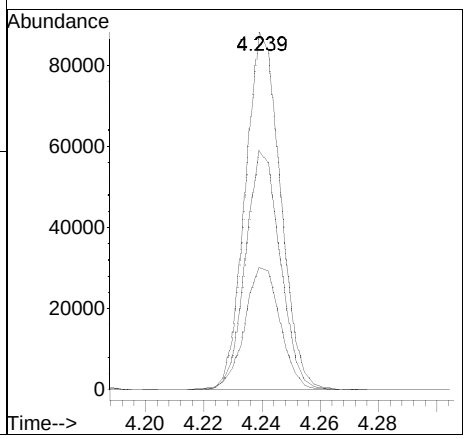


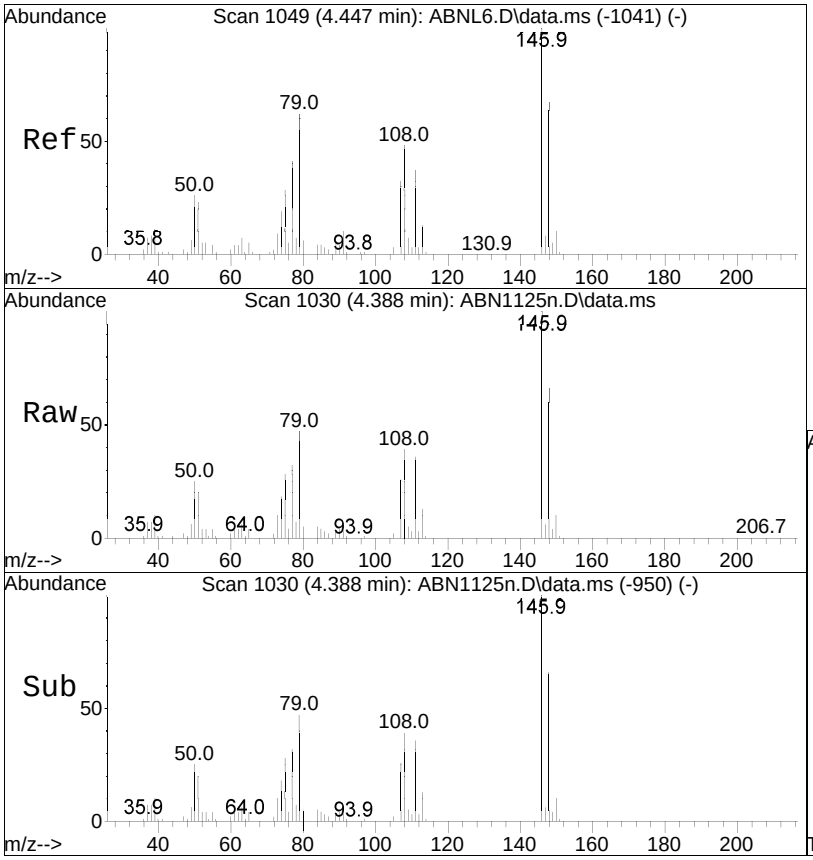


#11
1,4-Dichlorobenzene
Concen: 4.56 ug/ml
RT: 4.239 min Scan# 982
Delta R.T. -0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:146 Resp: 73586

Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.7	76.1
111	35.2	33.4	50.0

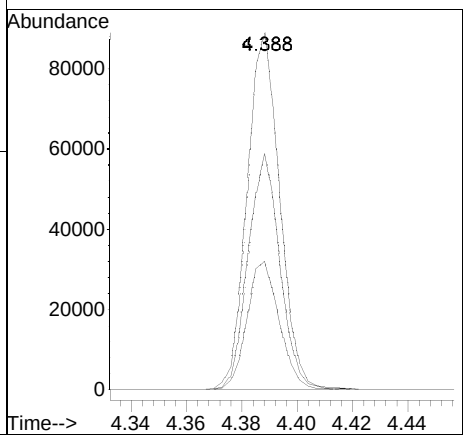


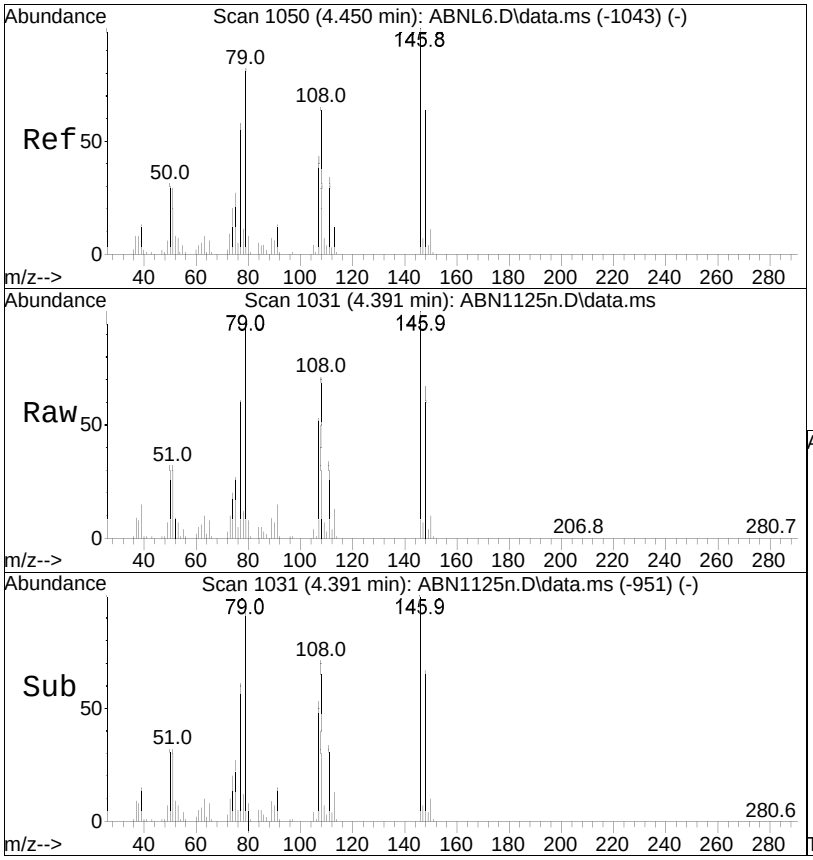


#12
1,2-Dichlorobenzene
Concen: 4.70 ug/ml
RT: 4.388 min Scan# 1030
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:146 Resp: 72287

Ion	Ratio	Lower	Upper
146	100		
111	35.8	34.6	52.0
148	64.4	50.2	75.4

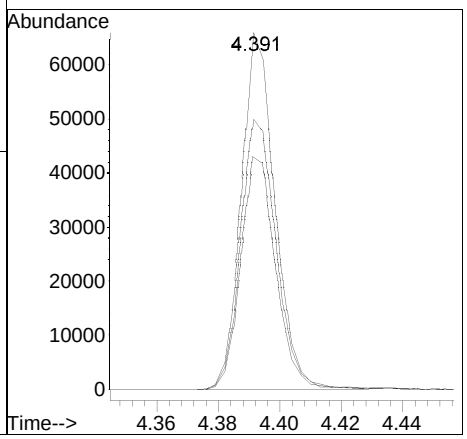


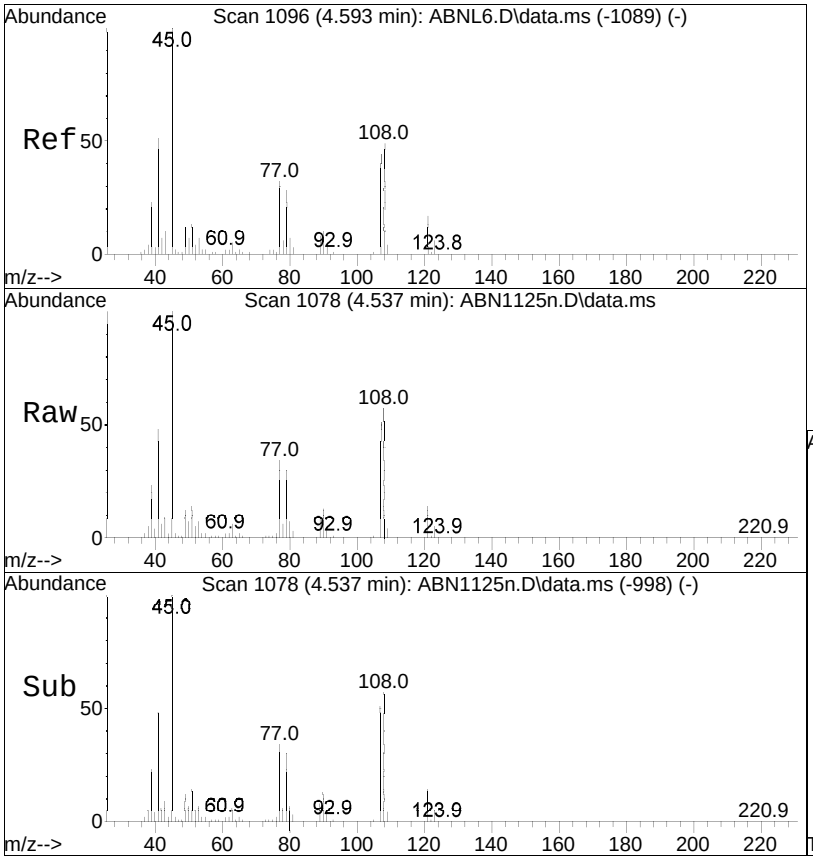


#13
Benzyl alcohol
Concen: 5.38 ug/ml
RT: 4.391 min Scan# 1031
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 79 Resp: 50188

Ion	Ratio	Lower	Upper
79	100		
77	67.8	54.9	82.3
108	80.2	63.1	94.7

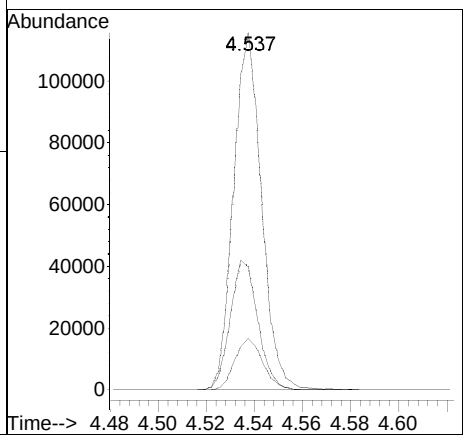


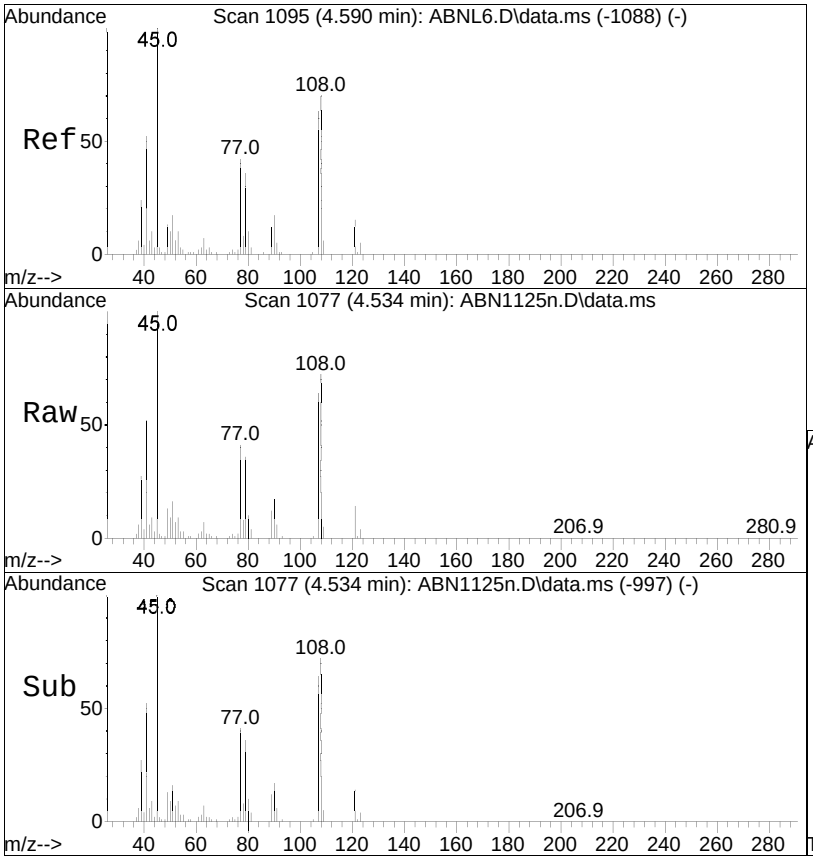


#14
Bis(2-chloroisopropyl)ether
Concen: 5.18 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 45 Resp: 93072

Ion	Ratio	Lower	Upper
45	100		
121	14.5	9.8	14.6
77	36.1	6.1	9.1#

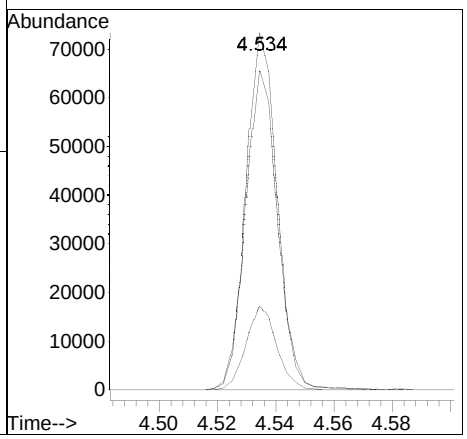


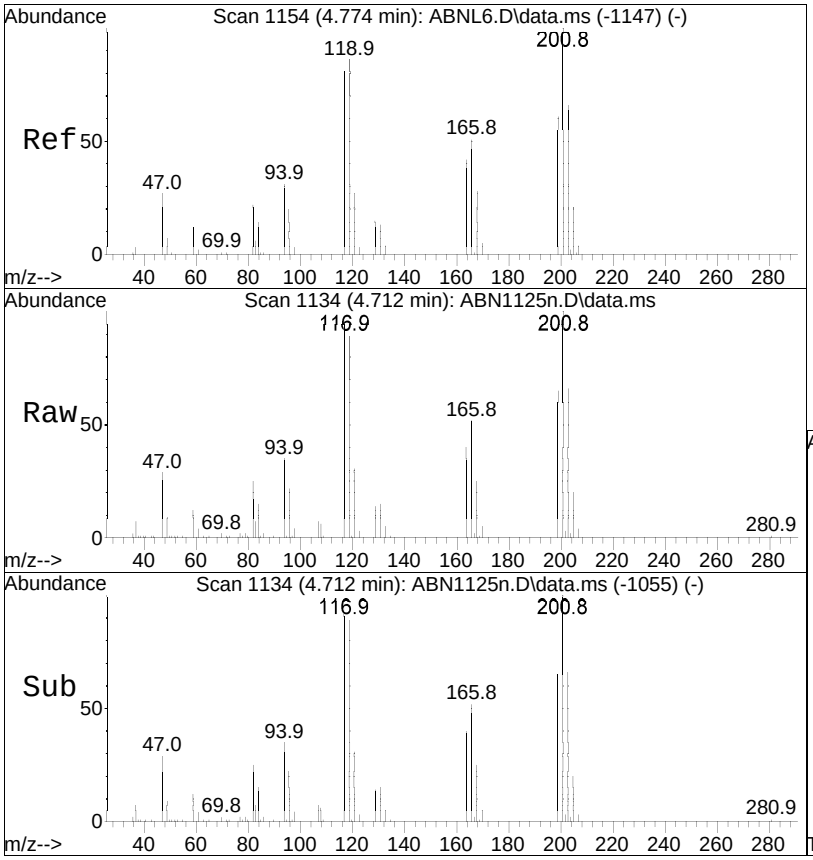


#15
2-Methylphenol
Concen: 5.08 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:108 Resp: 54968

Ion	Ratio	Lower	Upper
108	100		
107	90.1	70.7	106.1
90	22.8	18.7	28.1

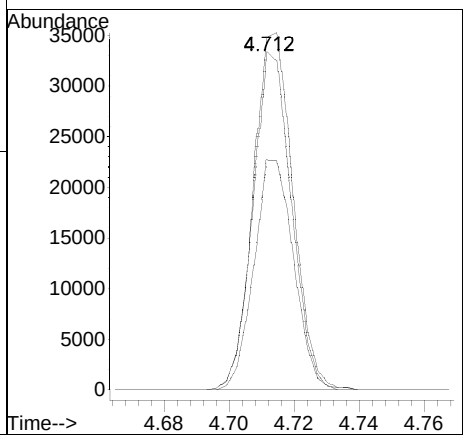


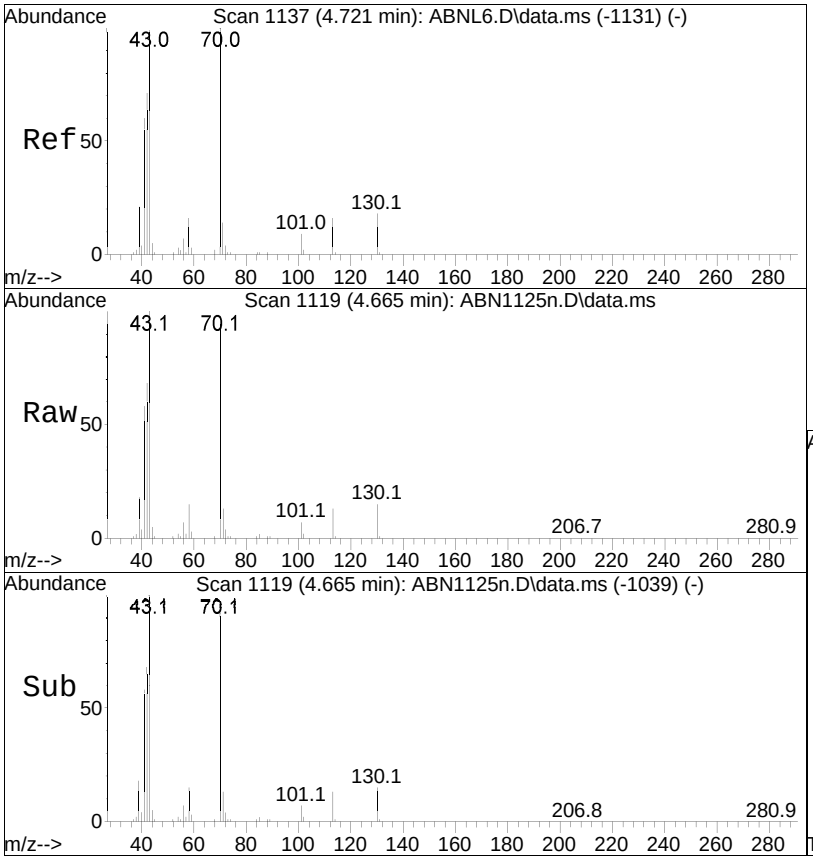


#16
Hexachloroethane
Concen: 4.63 ug/ml
RT: 4.712 min Scan# 1134
Delta R.T. -0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:117 Resp: 27356

Ion	Ratio	Lower	Upper
117	100		
201	109.0	58.6	87.8#
199	70.2	36.9	55.3#

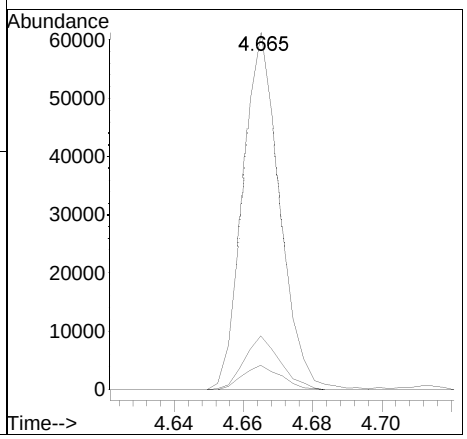


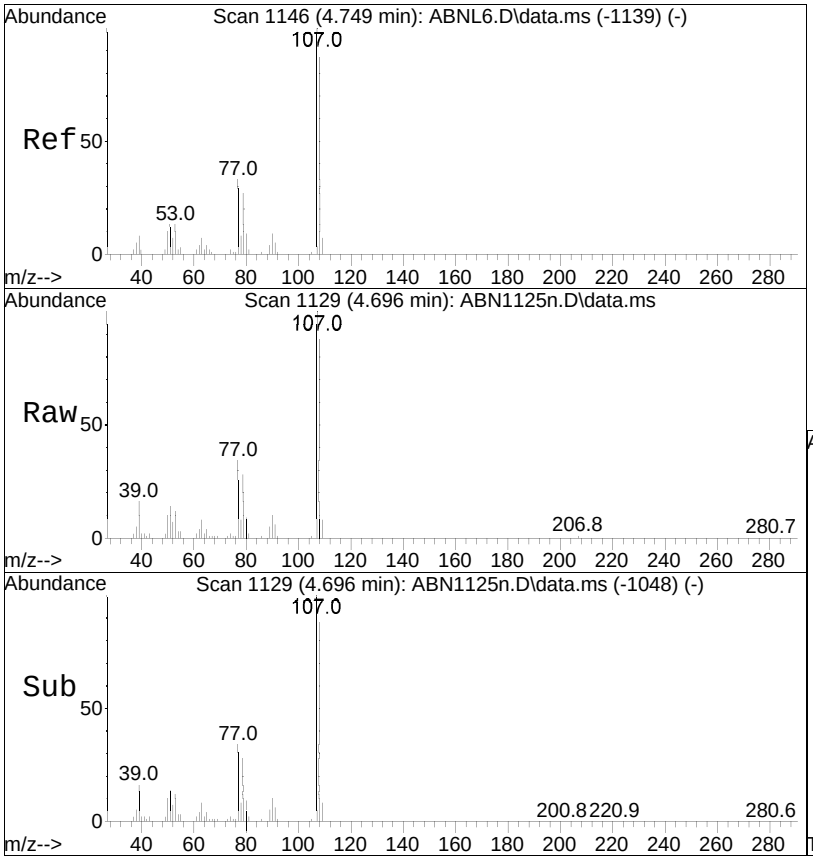


#17
n-Nitrosodi-n-propylamine
Concen: 5.22 ug/ml
RT: 4.665 min Scan# 1119
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 70 Resp: 45180

Ion	Ratio	Lower	Upper
70	100		
130	14.6	18.2	27.4#
101	7.1	7.8	11.8#

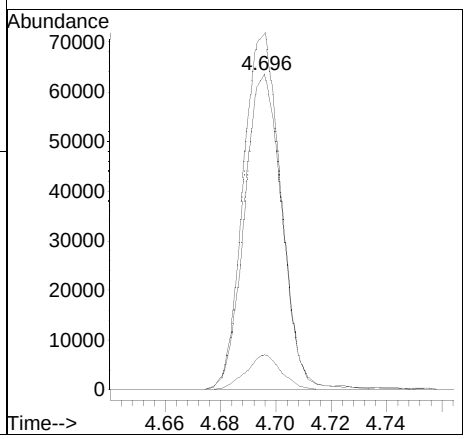


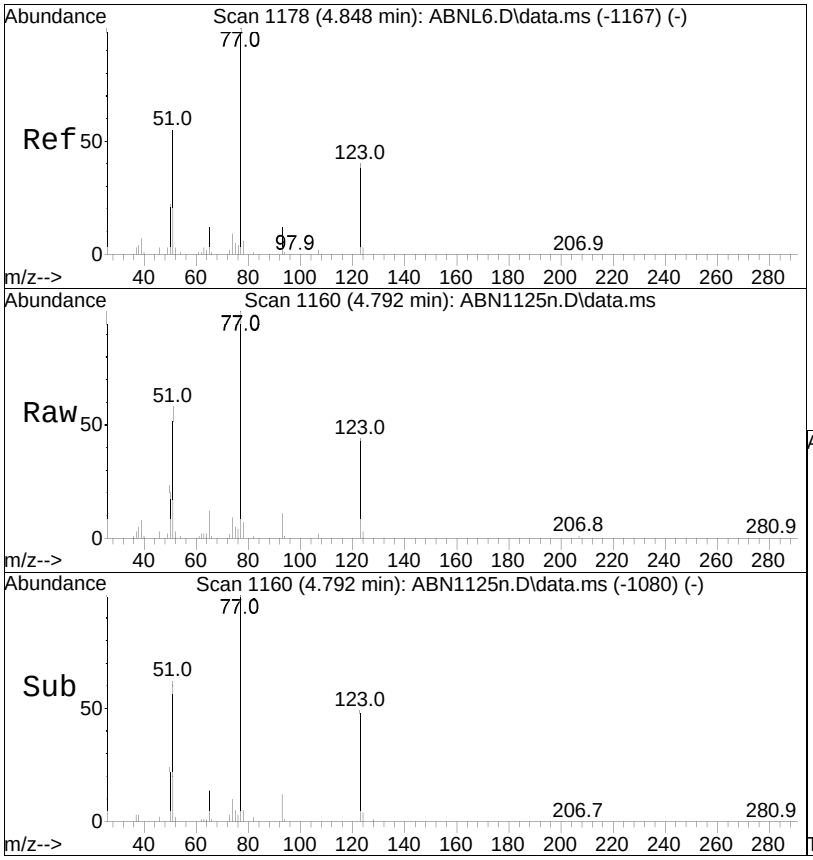


#18
3-Methylphenol/4-Methylphenol
Concen: 5.05 ug/ml
RT: 4.696 min Scan# 1129
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:108 Resp: 59874

Ion	Ratio	Lower	Upper
108	100		
107	113.8	88.6	132.8
90	10.3	8.8	13.2

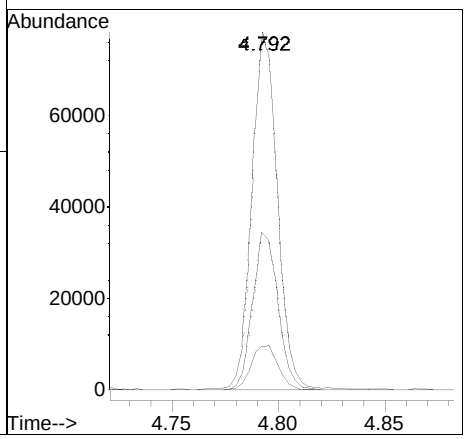


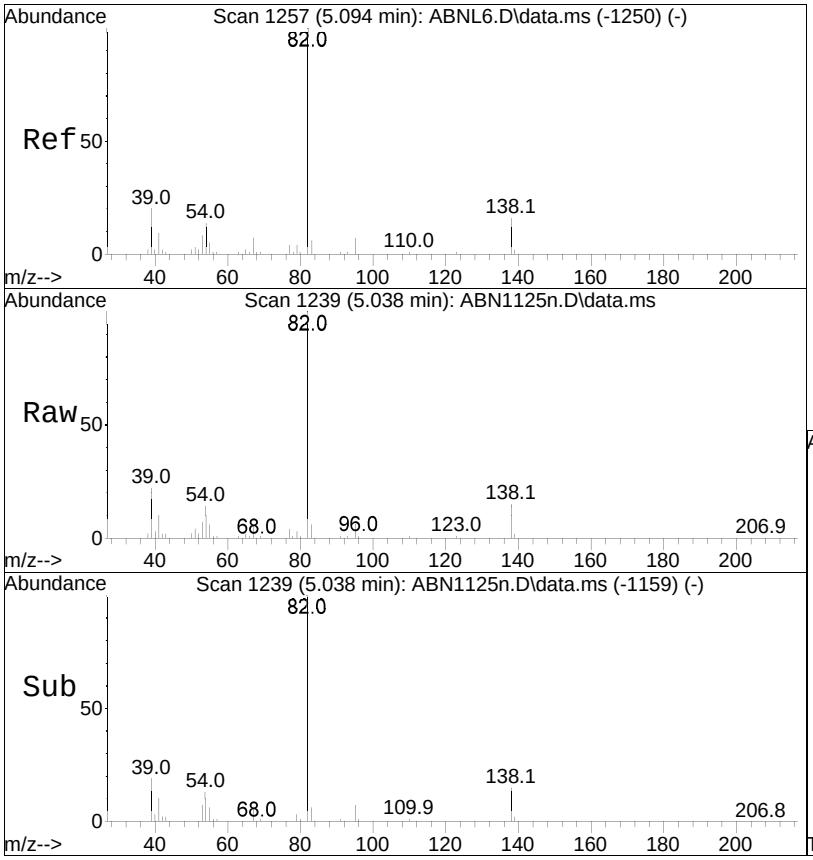


#20
Nitrobenzene
Concen: 5.29 ug/ml
RT: 4.792 min Scan# 1160
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 77 Resp: 64765

Ion	Ratio	Lower	Upper
77	100		
123	43.6	36.3	54.5
65	13.1	11.6	17.4

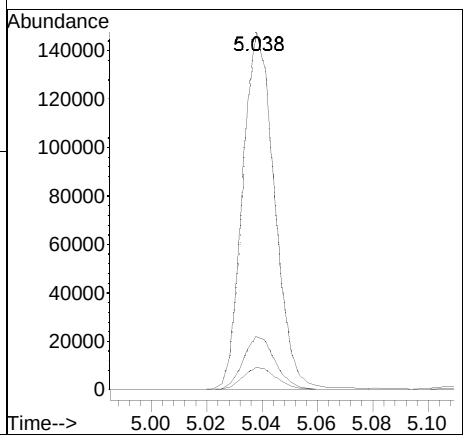


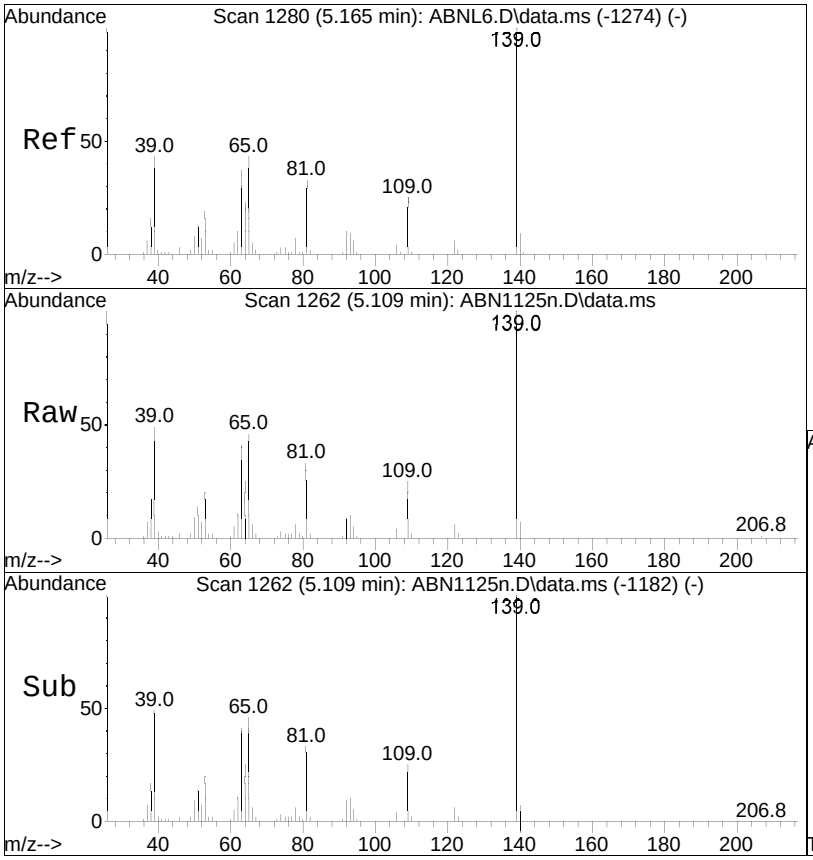


#21
Isophorone
Concen: 5.21 ug/ml
RT: 5.038 min Scan# 1239
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 82 Resp: 117405

Ion	Ratio	Lower	Upper
82	100		
138	15.0	14.7	22.1
95	6.5	5.2	7.8

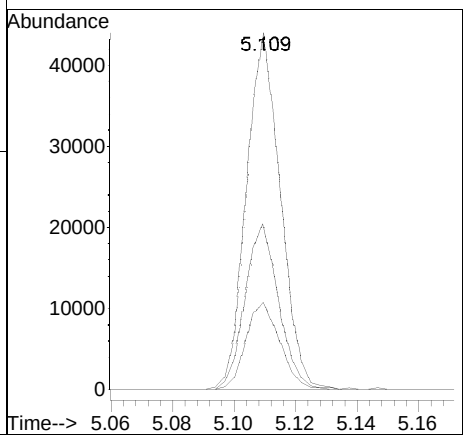


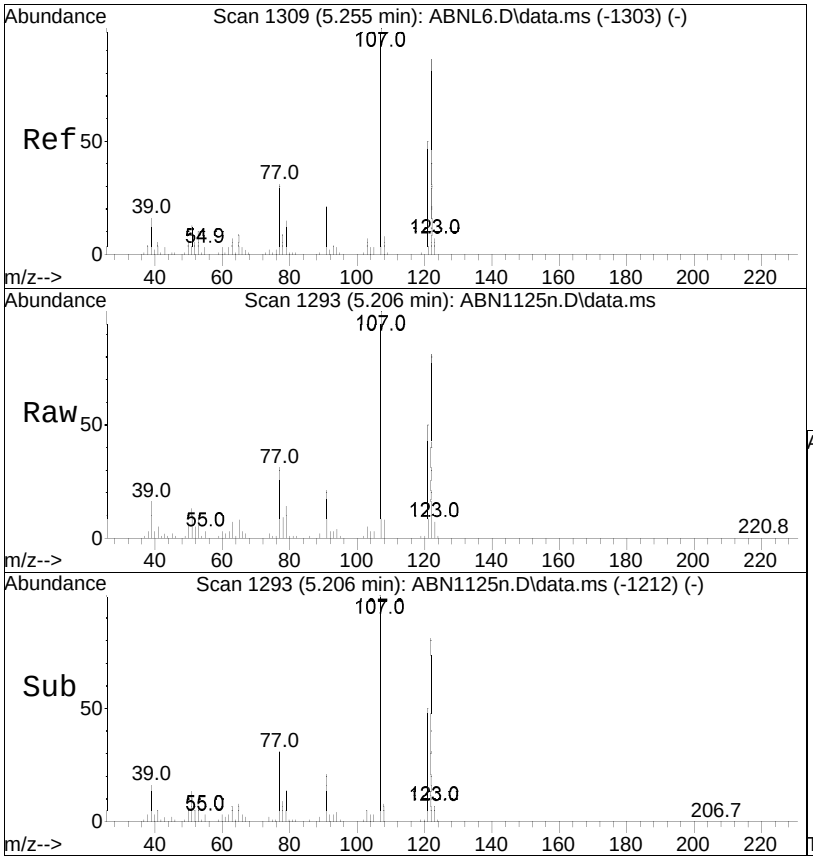


#22
2-Nitrophenol
Concen: 5.41 ug/ml
RT: 5.109 min Scan# 1262
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:139 Resp: 33531

Ion	Ratio	Lower	Upper
139	100		
109	24.5	19.4	29.0
65	46.1	46.1	69.1#

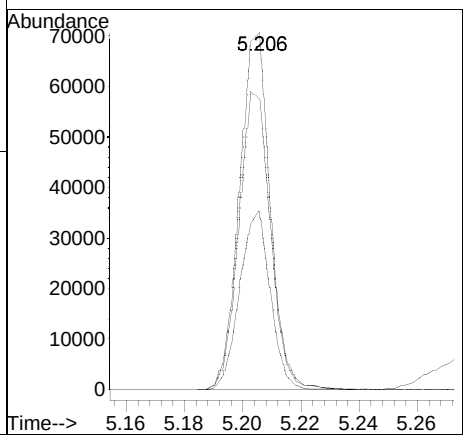


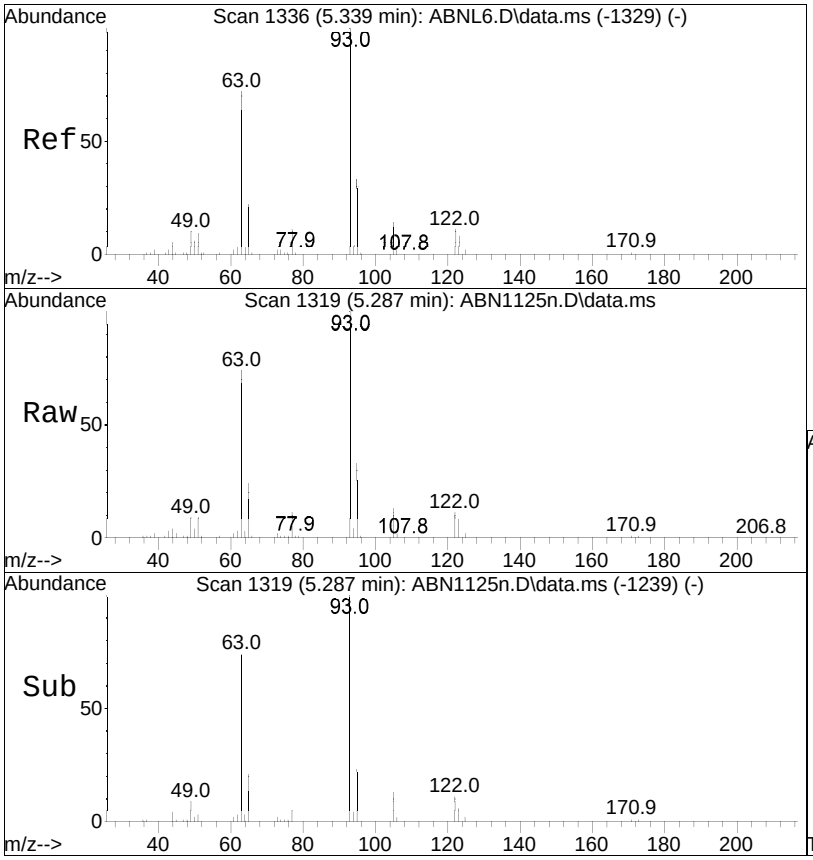


#23
2,4-Dimethylphenol
Concen: 4.71 ug/ml
RT: 5.206 min Scan# 1293
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:107 Resp: 52009

Ion	Ratio	Lower	Upper
107	100		
121	50.2	40.0	60.0
122	85.9	70.2	105.4

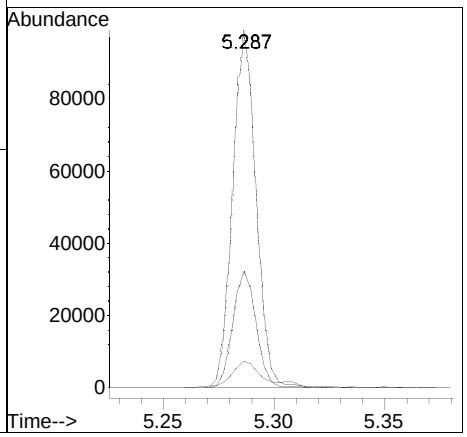


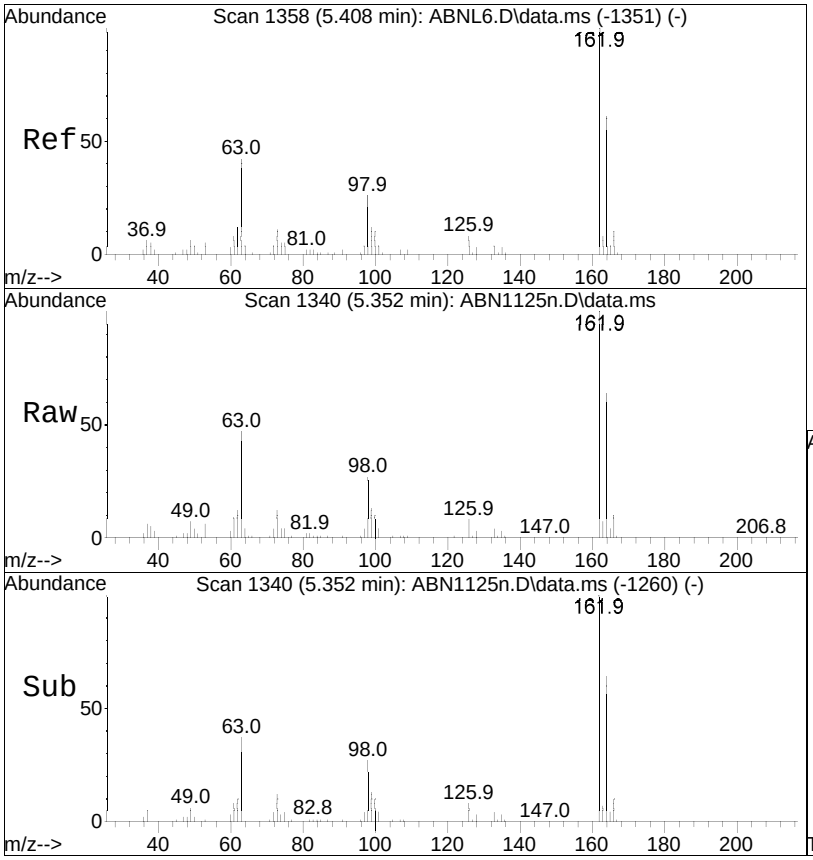


#24
Bis(2-chloroethoxy)methane
Concen: 5.16 ug/ml
RT: 5.287 min Scan# 1319
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 93 Resp: 72460

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	10.6	10.1	15.1

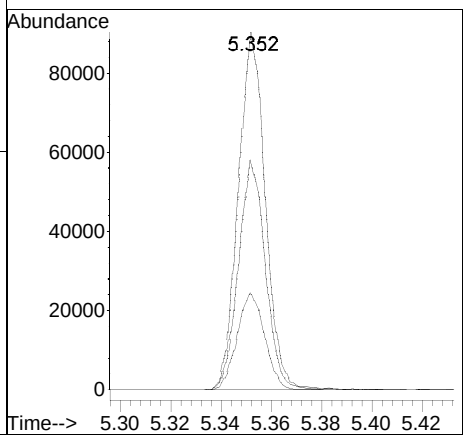


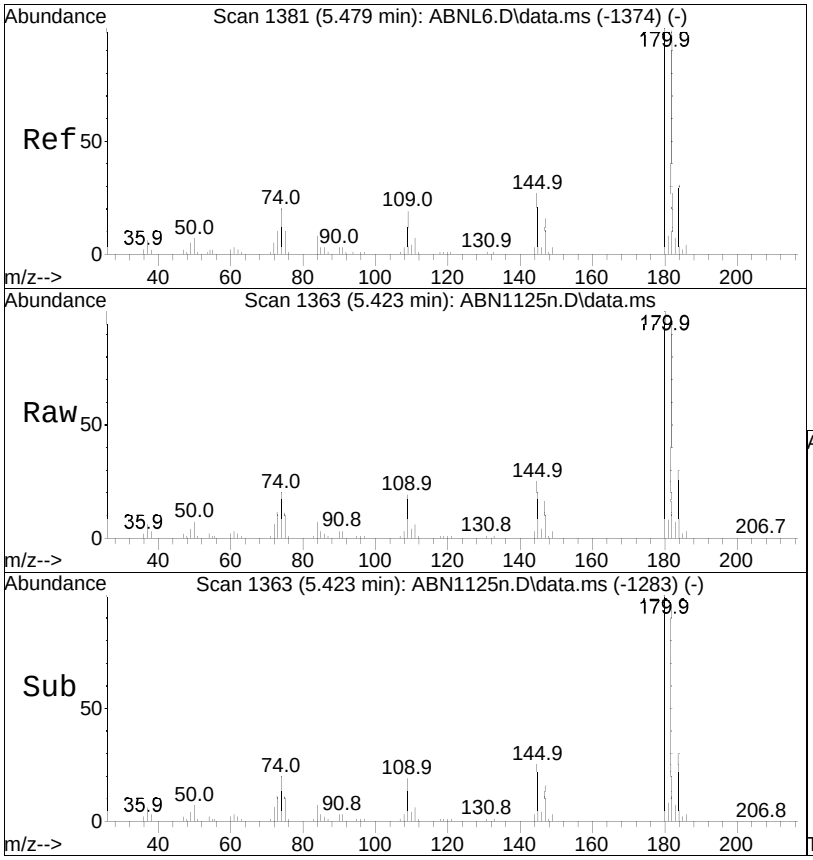


#25
2,4-Dichlorophenol
Concen: 5.20 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:162 Resp: 66979

Ion	Ratio	Lower	Upper
162	100		
164	63.7	51.0	76.4
98	27.8	32.2	48.2#

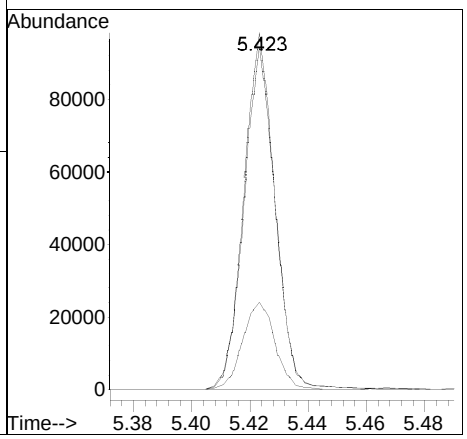


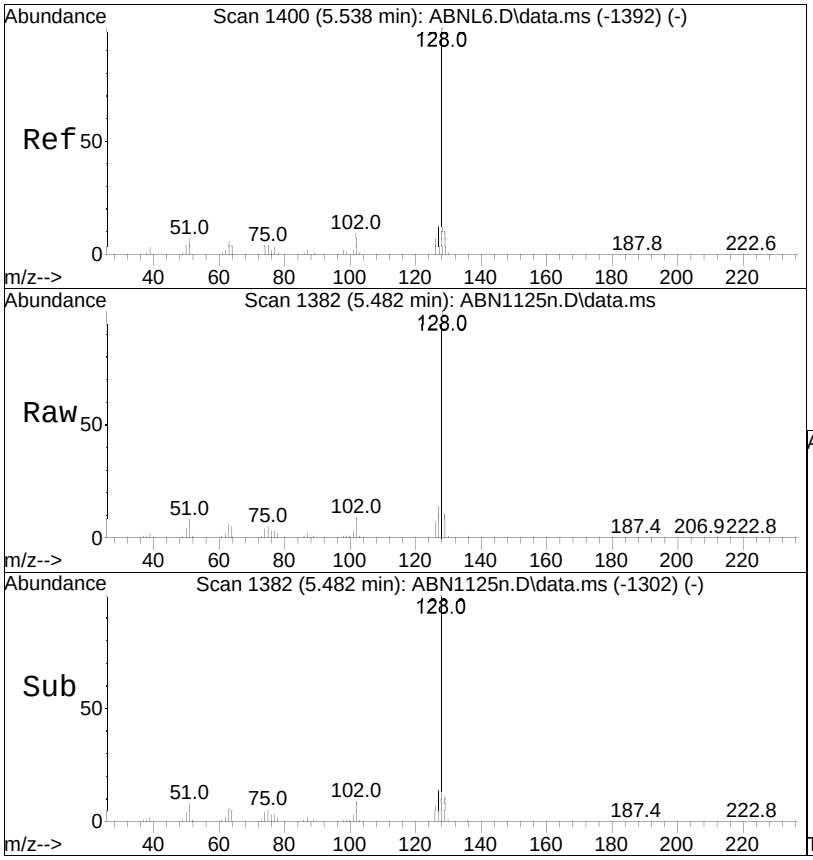


#26
1,2,4-Trichlorobenzene
Concen: 4.66 ug/ml
RT: 5.423 min Scan# 1363
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:180 Resp: 72699

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.0	114.0
145	25.5	25.7	38.5#

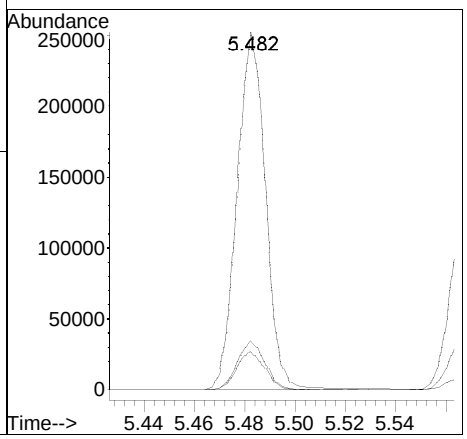


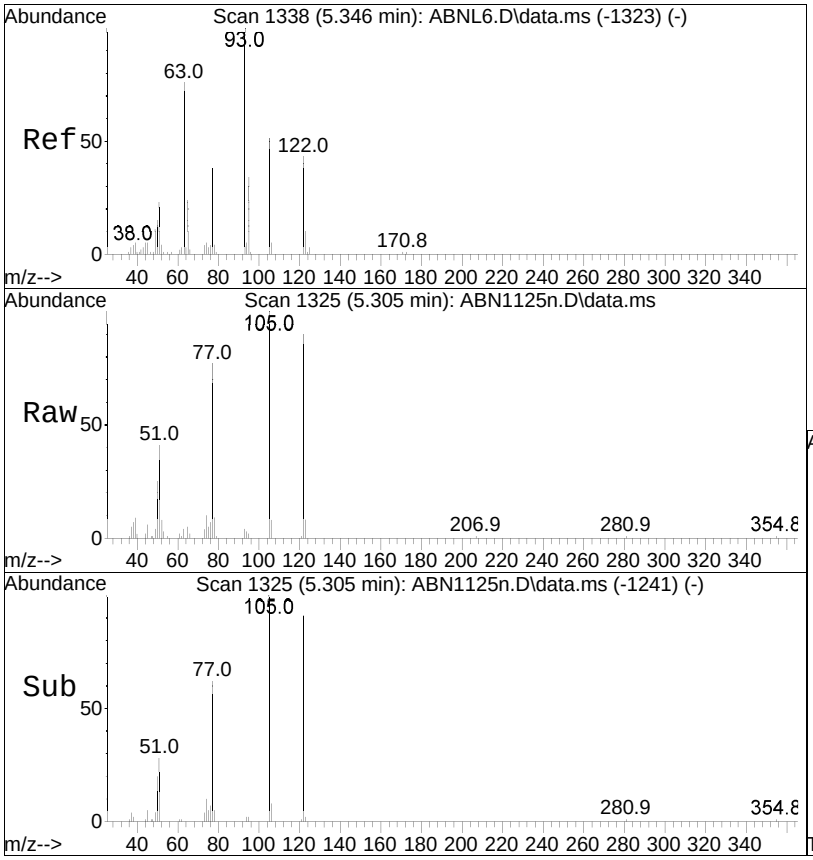


#38
Naphthalene
Concen: 4.48 ug/ml
RT: 5.482 min Scan# 1382
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:128 Resp: 197116

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.4	10.3	15.5

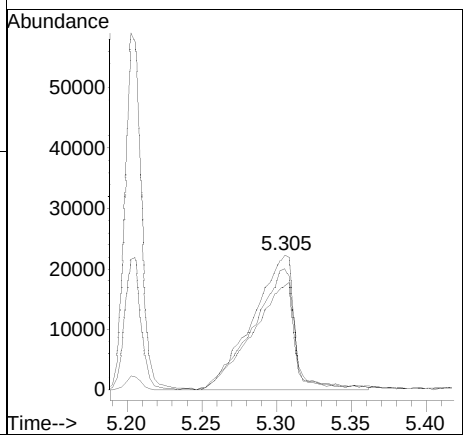


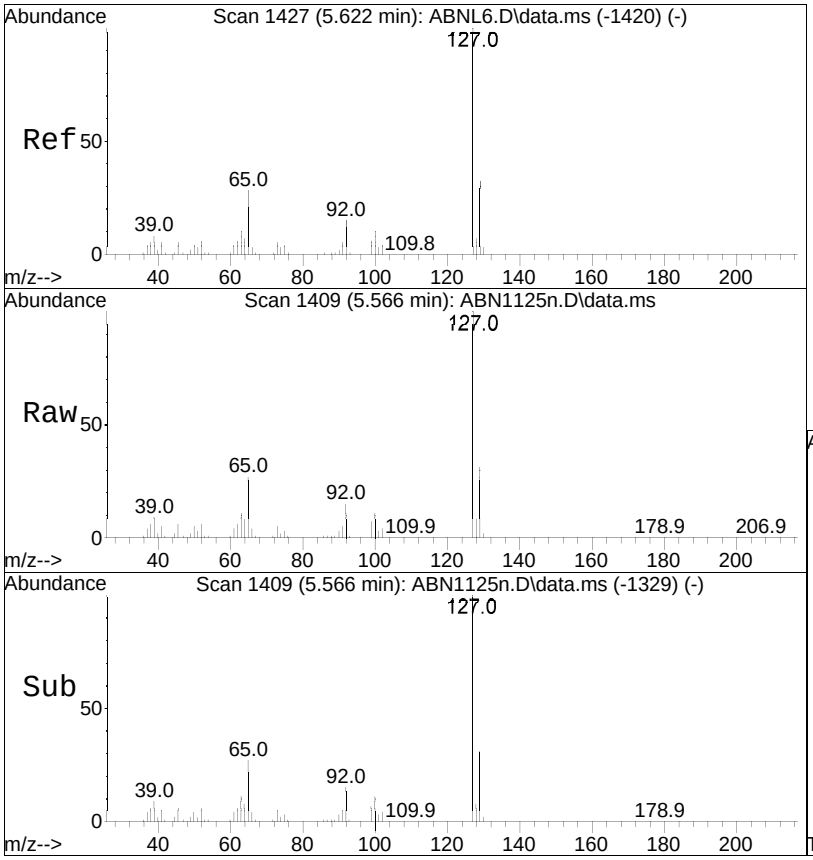


#39
Benzoic Acid
Concen: 4.86 ug/ml
RT: 5.305 min Scan# 1325
Delta R.T. 0.012 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:105 Resp: 44214

Ion	Ratio	Lower	Upper
105	100		
122	87.6	59.9	89.9
77	77.5	60.1	90.1

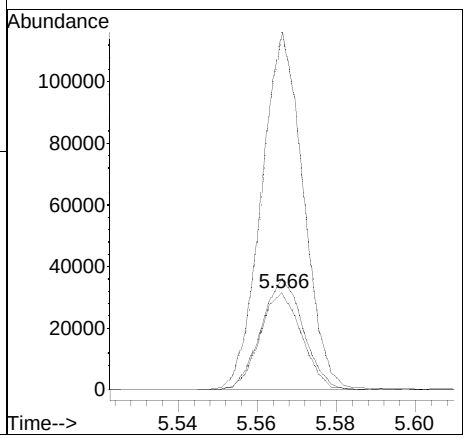


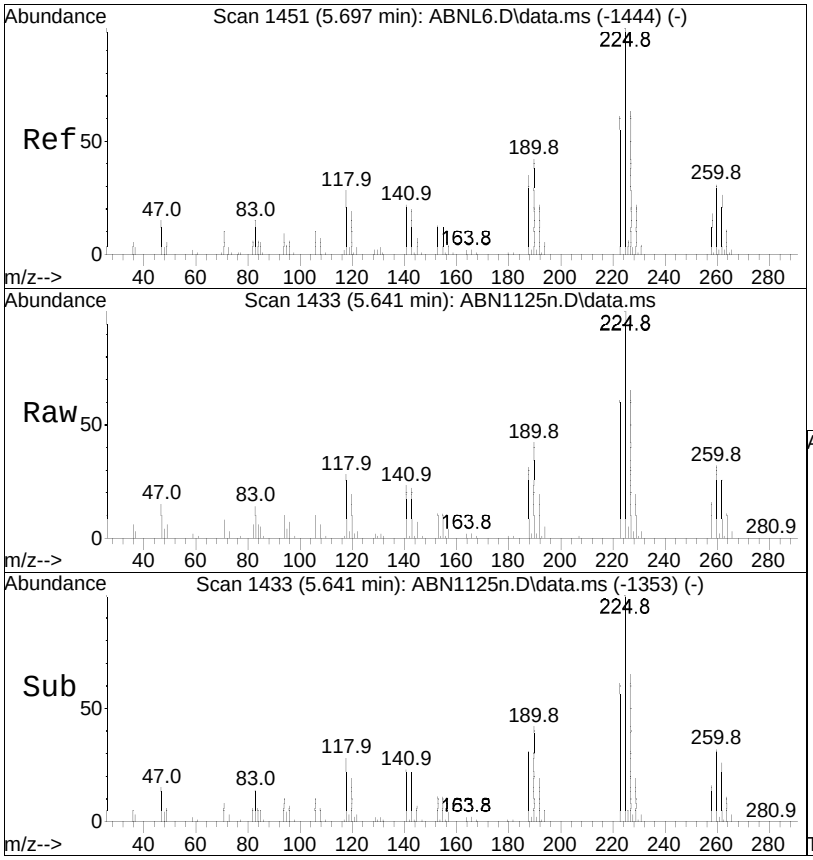


#40
4-Chloroaniline
Concen: 4.82 ug/ml
RT: 5.566 min Scan# 1409
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 65 Resp: 23307

Ion	Ratio	Lower	Upper
65	100		
127	365.4	237.6	356.4#
129	114.6	76.3	114.5#

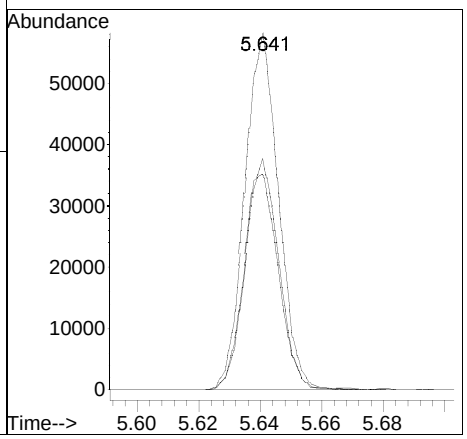


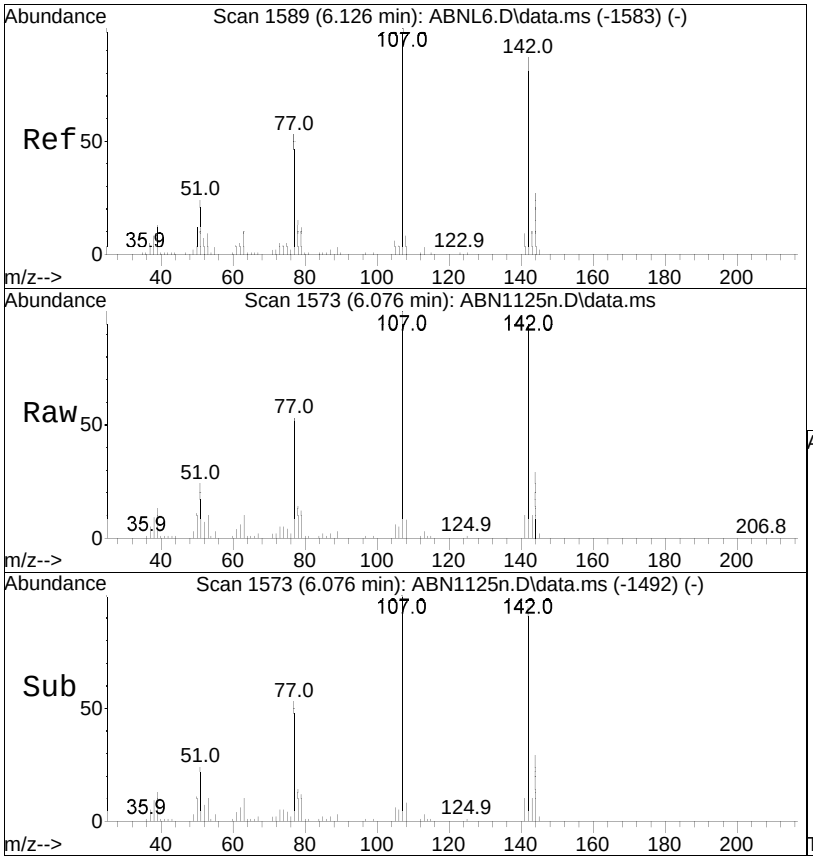


#41
Hexachlorobutadiene
Concen: 4.29 ug/ml
RT: 5.641 min Scan# 1433
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:225 Resp: 44342

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.3	75.5
227	64.2	52.2	78.2

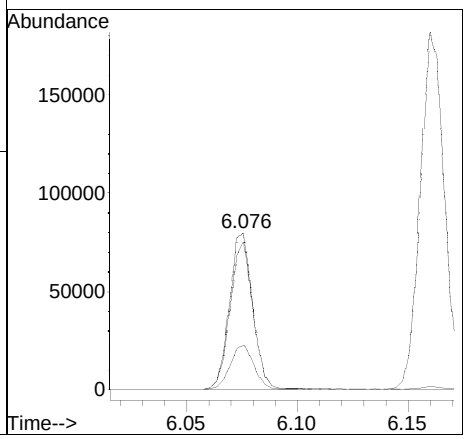


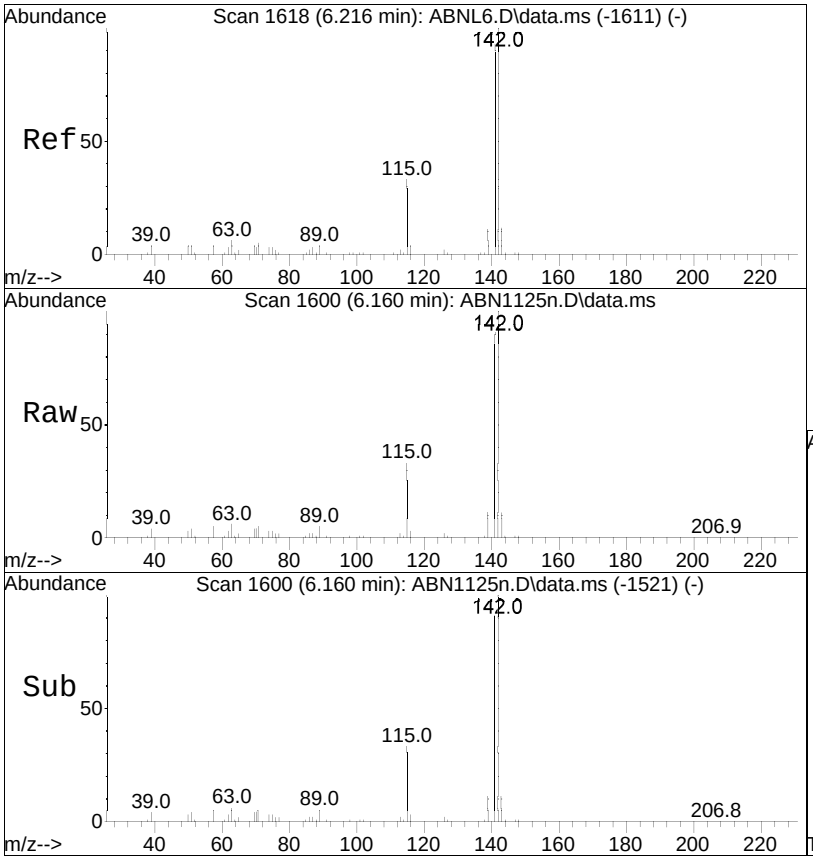


#42
p-Chloro-m-cresol
Concen: 5.05 ug/ml
RT: 6.076 min Scan# 1573
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:107 Resp: 58532

Ion	Ratio	Lower	Upper
107	100		
144	28.8	20.9	31.3
142	92.1	66.1	99.1

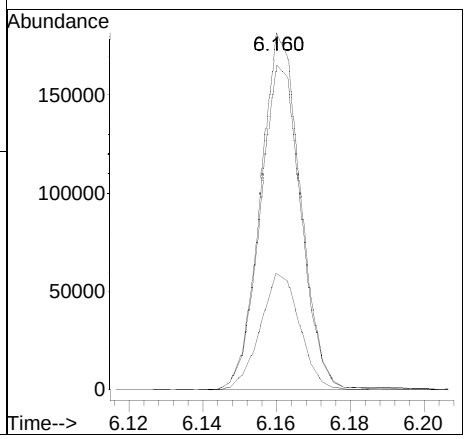


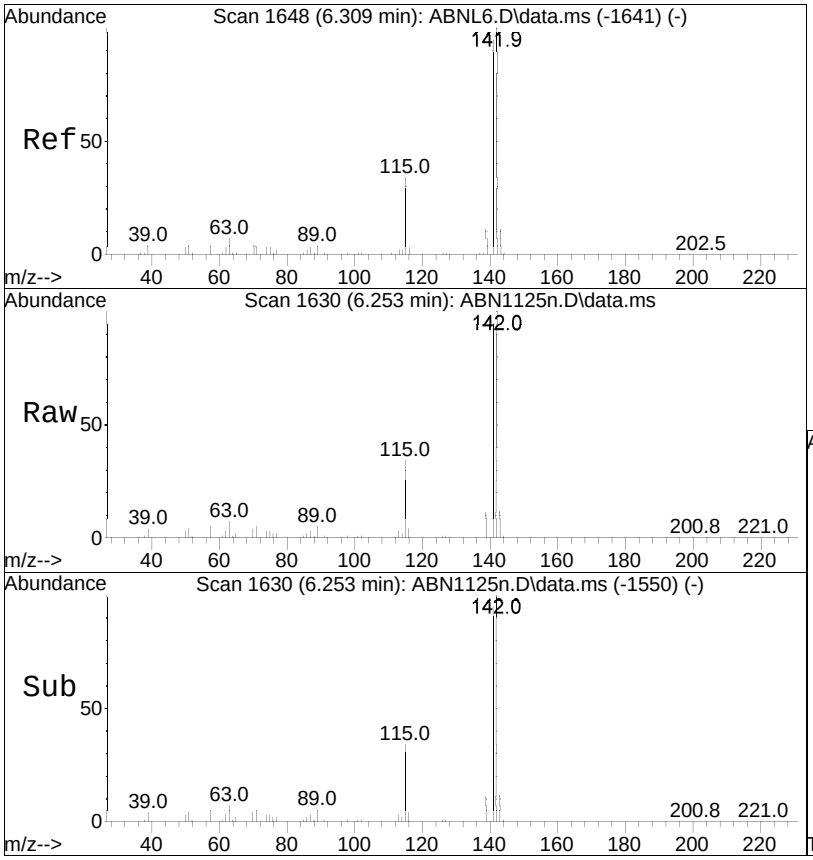


#43
2-Methylnaphthalene
Concen: 4.51 ug/ml
RT: 6.160 min Scan# 1600
Delta R.T. -0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:142 Resp: 137269

Ion	Ratio	Lower	Upper
142	100		
141	92.9	69.6	104.4
115	32.6	26.6	40.0

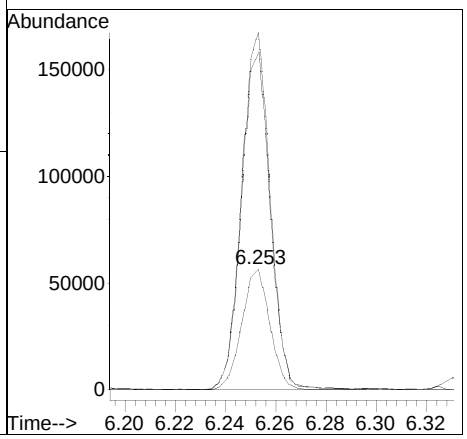


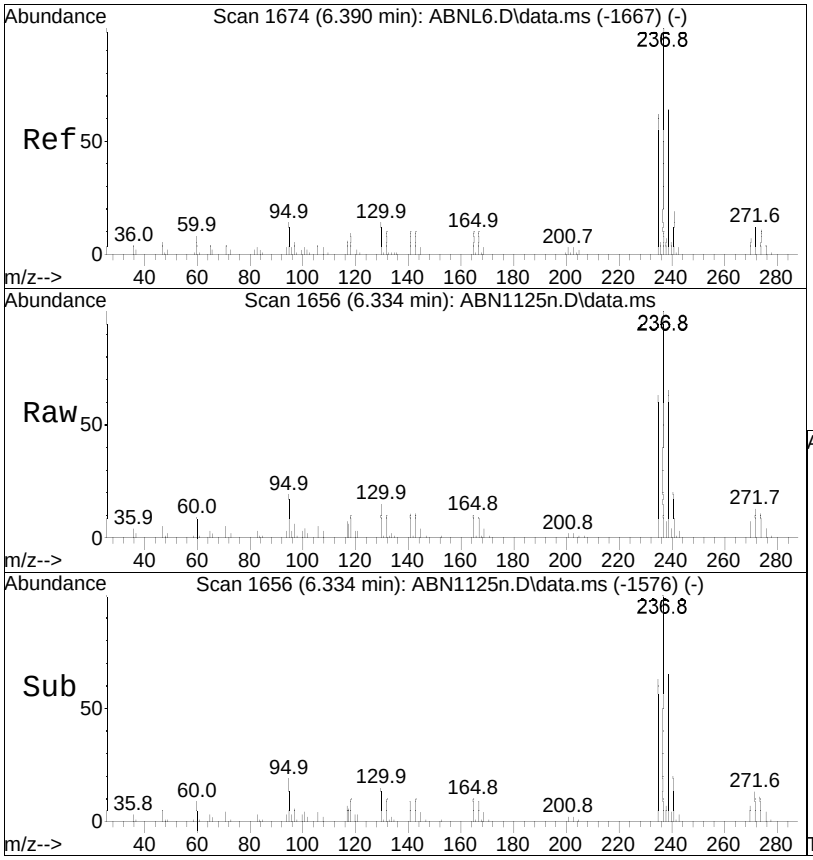


#44
1-Methylnaphthalene
Concen: 4.60 ug/ml
RT: 6.253 min Scan# 1630
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:115 Resp: 44532

Ion	Ratio	Lower	Upper
115	100		
141	279.4	207.8	311.6
142	292.5	226.8	340.2

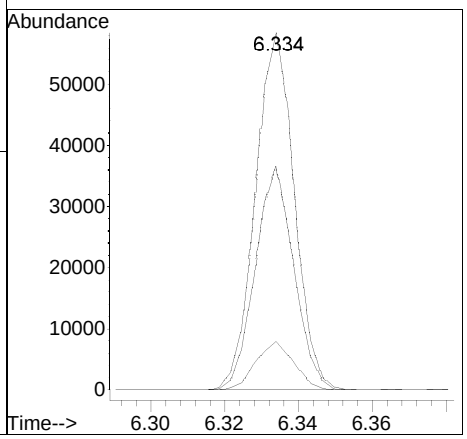


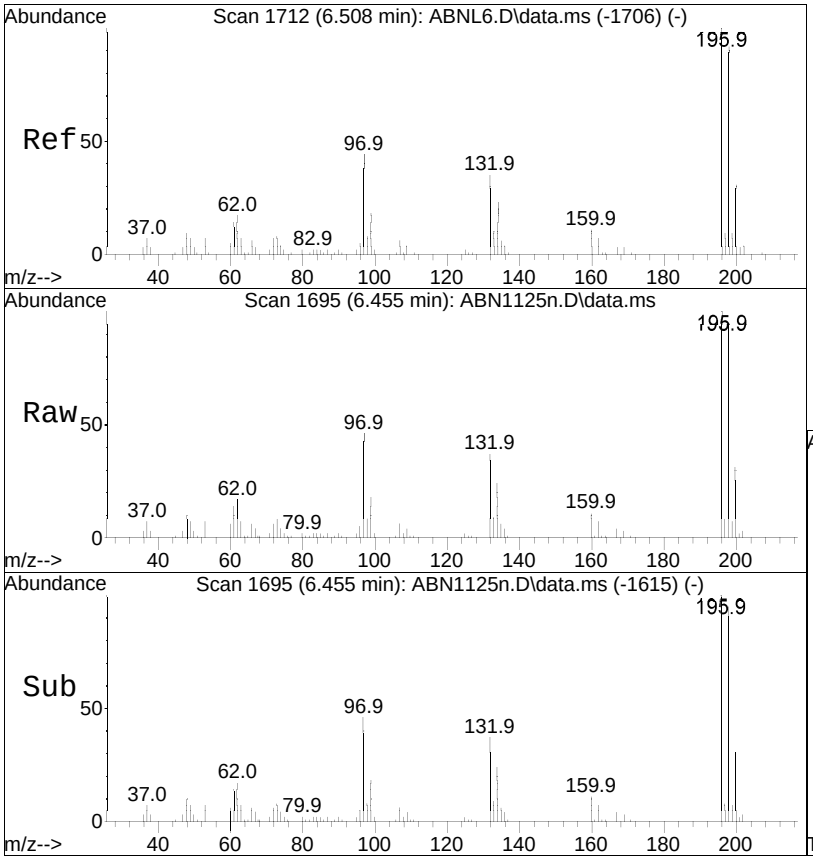


#45
Hexachlorocyclopentadiene
Concen: 3.90 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:237 Resp: 42470

Ion	Ratio	Lower	Upper
237	100		
235	62.2	49.7	74.5
272	13.4	9.8	14.6

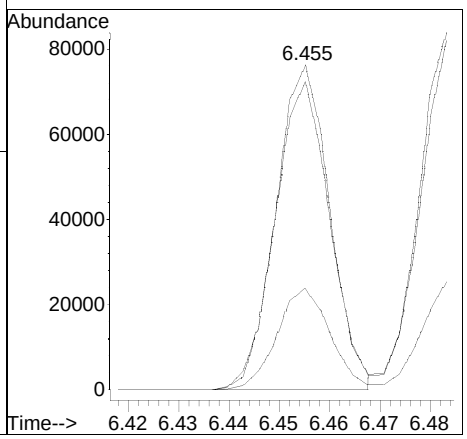


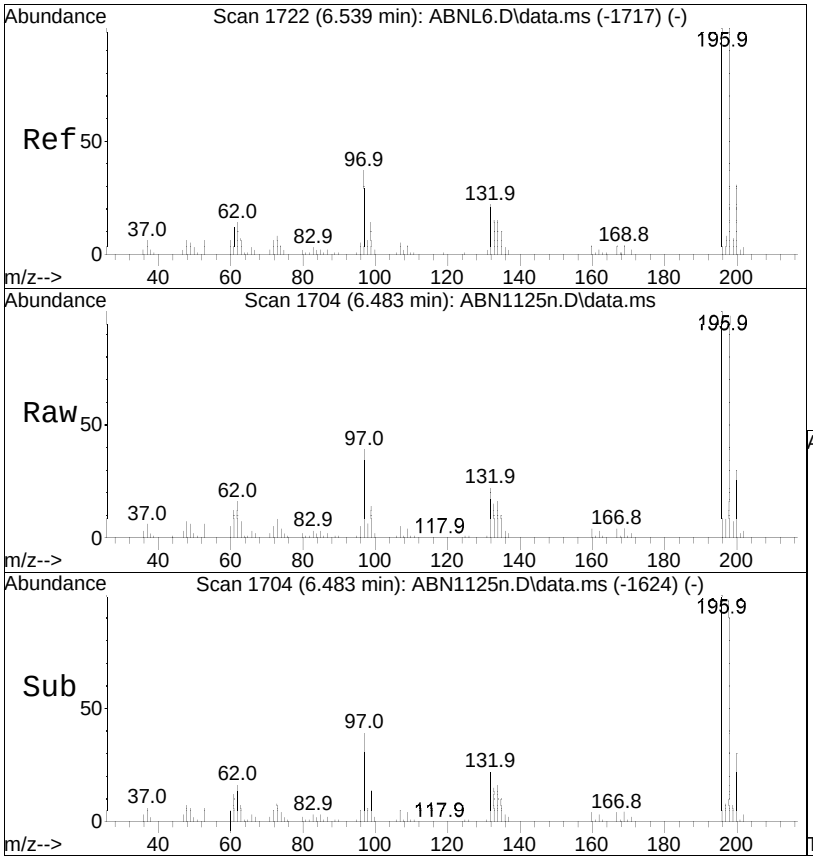


#46
2,4,6-Trichlorophenol
Concen: 4.96 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:196 Resp: 56769

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.5	116.3
200	30.7	23.8	35.6

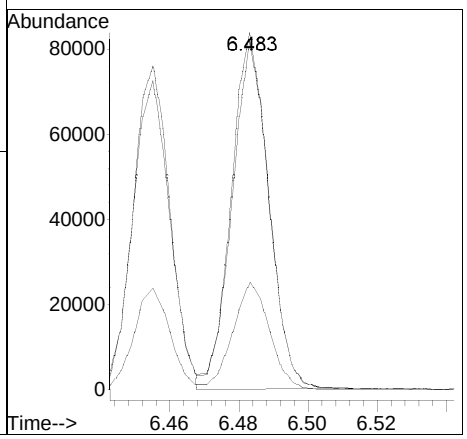


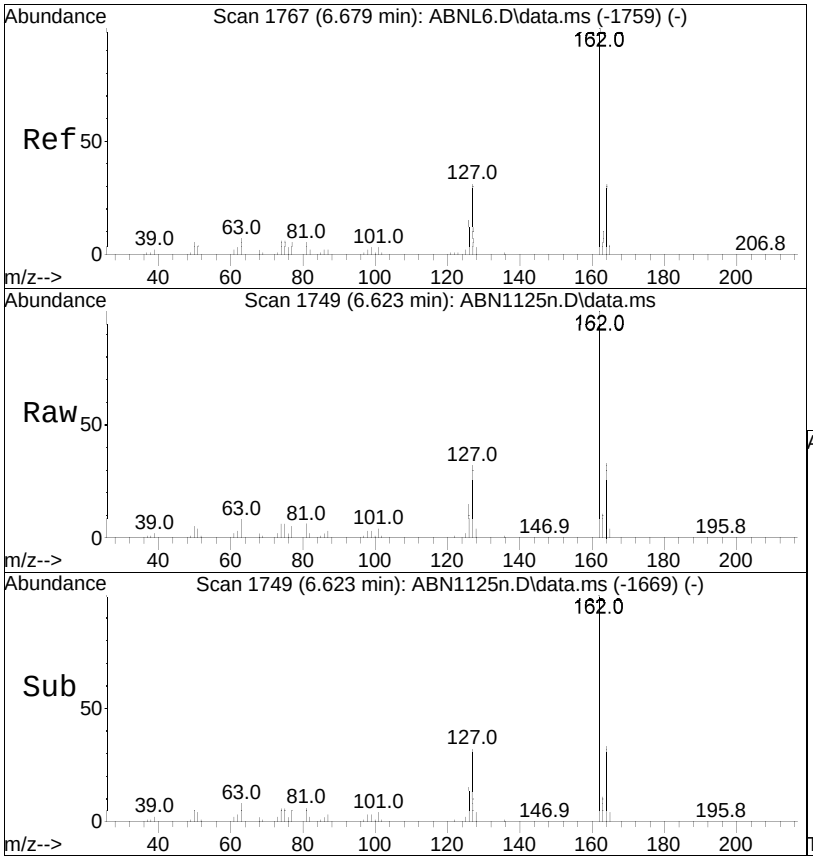


#47
2,4,5-Trichlorophenol
Concen: 4.88 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:196 Resp: 62558

Ion	Ratio	Lower	Upper
196	100		
200	29.9	25.4	38.0
198	96.3	78.0	117.0

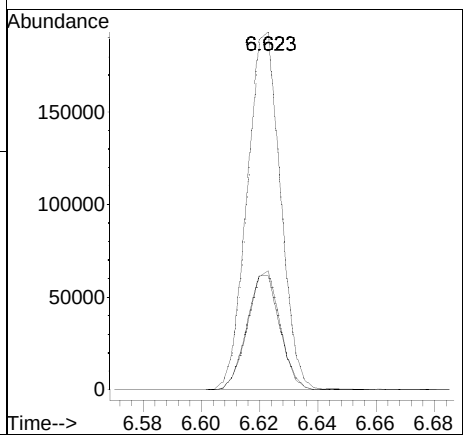


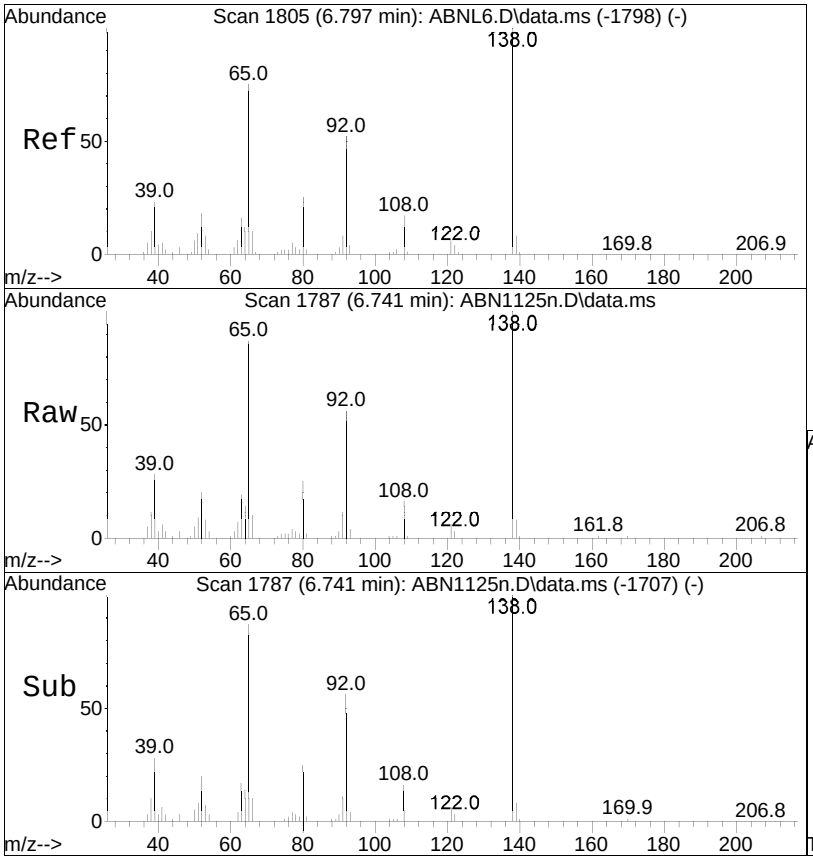


#49
2-Chloronaphthalene
Concen: 4.46 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:162 Resp: 152086

Ion	Ratio	Lower	Upper
162	100		
127	32.2	32.2	48.4#
164	32.4	25.7	38.5

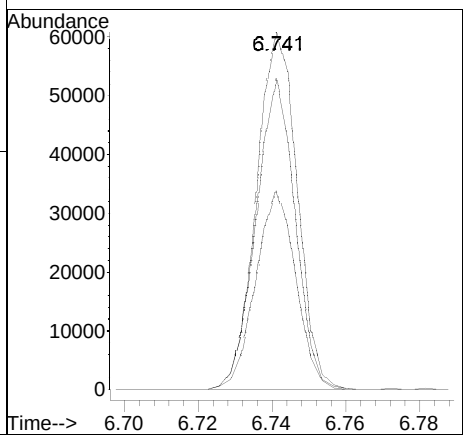


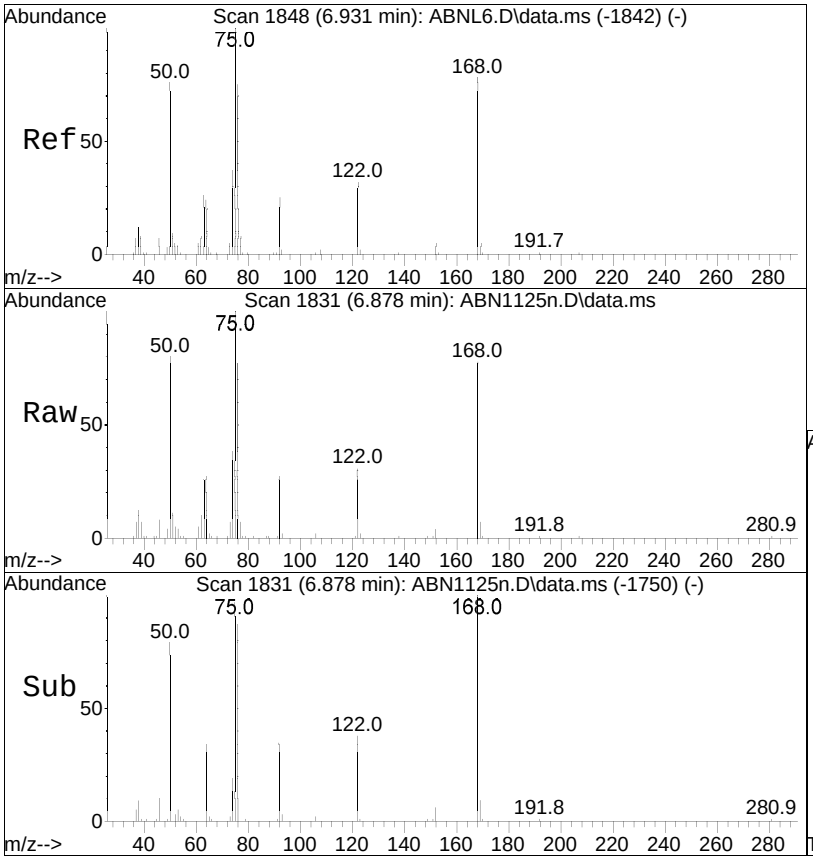


#50
2-Nitroaniline
Concen: 5.31 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:138 Resp: 46310

Ion	Ratio	Lower	Upper
138	100		
92	54.9	53.5	80.3
65	83.3	86.3	129.5#

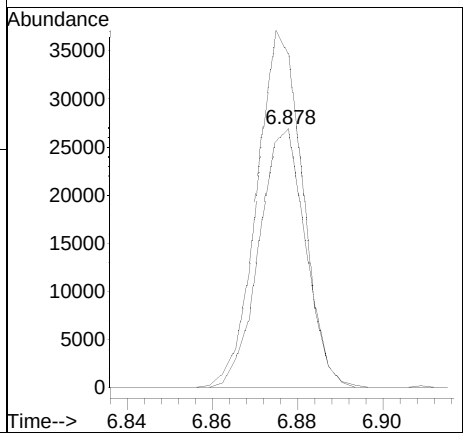


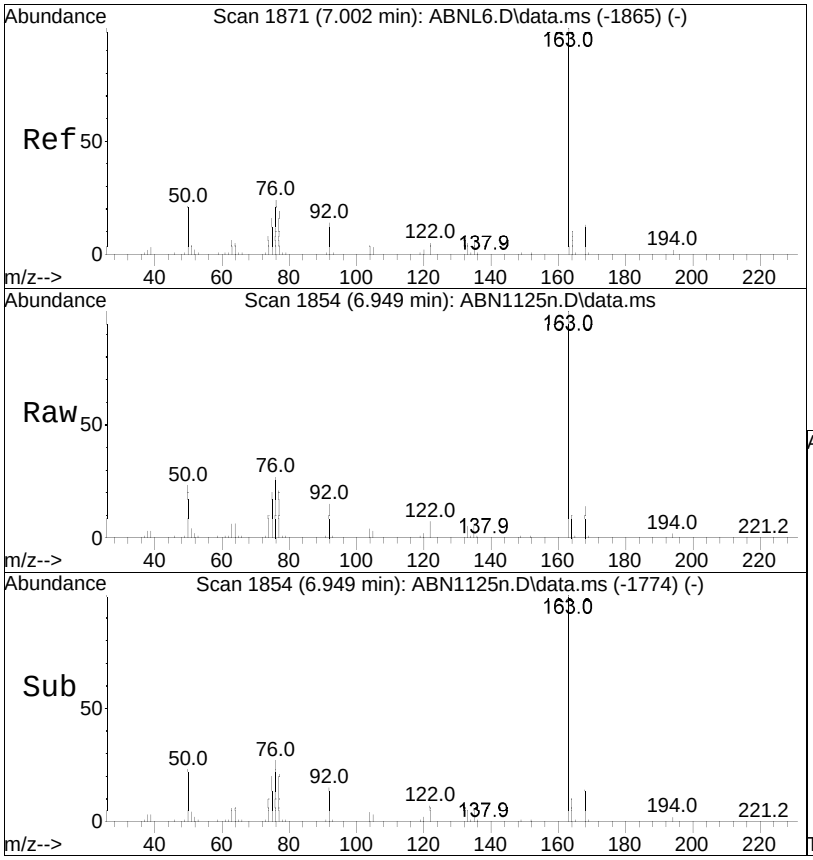


#51
1,4-Dinitrobenzene
Concen: 5.38 ug/ml
RT: 6.878 min Scan# 1831
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:168 Resp: 20394

Ion	Ratio	Lower	Upper
168	100		
75	135.5	121.8	182.8

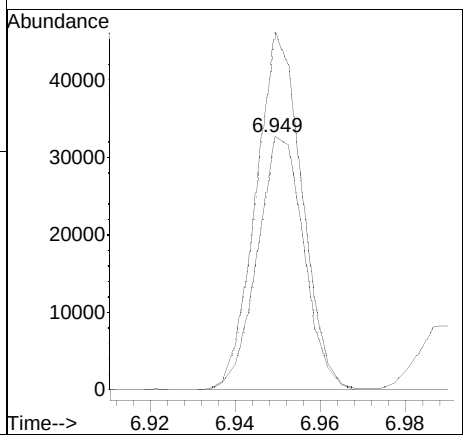


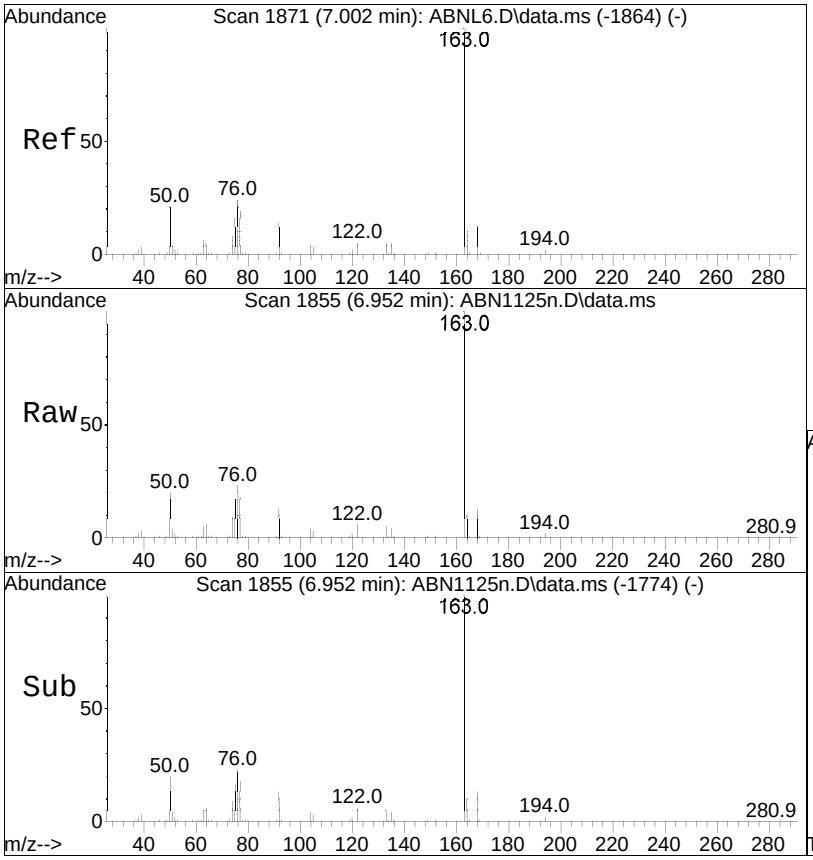


#52
1,3-Dinitrobenzene
Concen: 5.44 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:168 Resp: 24656

Ion	Ratio	Lower	Upper
168	100		
75	140.1	22.7	34.1#

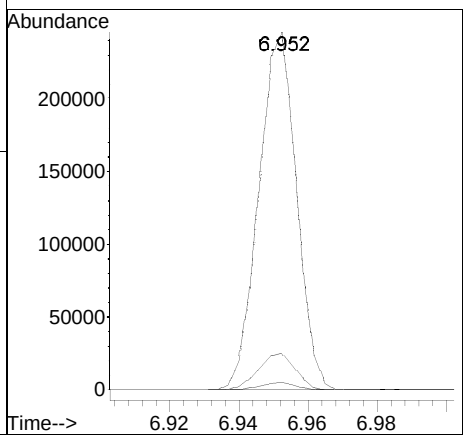


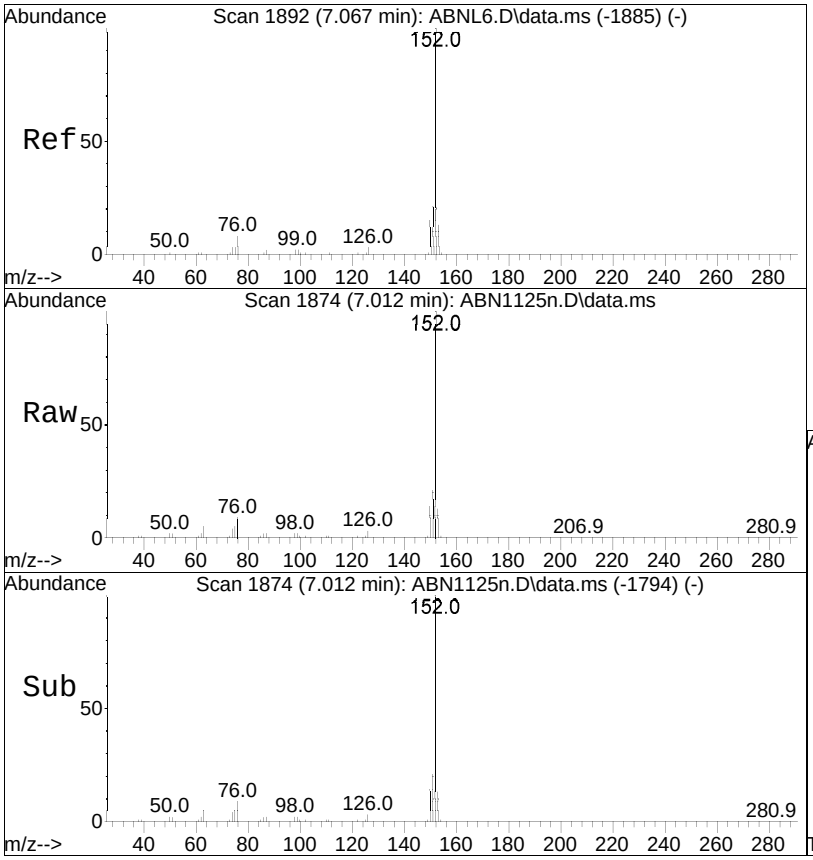


#53
Dimethyl phthalate
Concen: 4.66 ug/ml
RT: 6.952 min Scan# 1855
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:163 Resp: 184600

Ion	Ratio	Lower	Upper
163	100		
194	2.1	3.5	5.3#
164	10.3	7.9	11.9

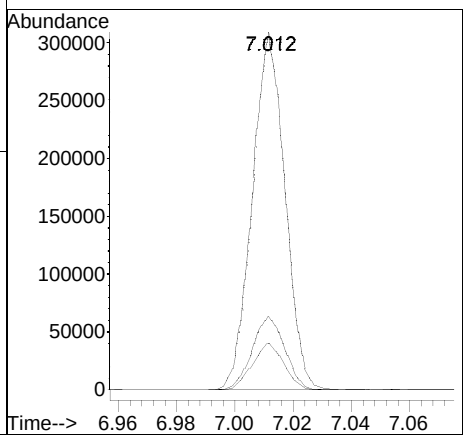


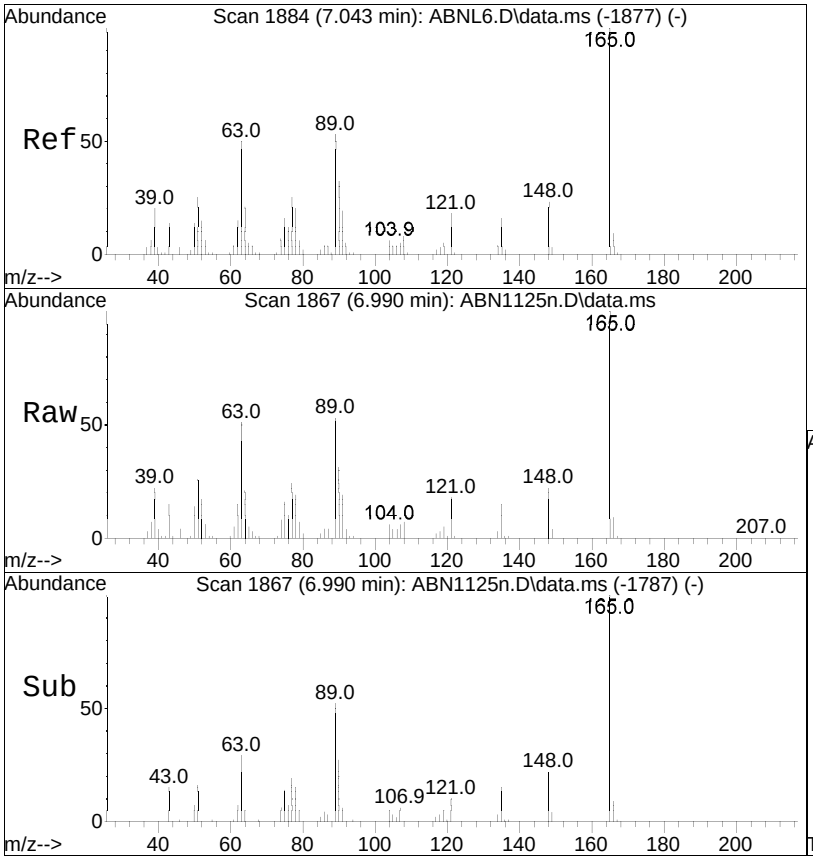


#54
Acenaphthylene
Concen: 4.76 ug/ml
RT: 7.012 min Scan# 1874
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:152 Resp: 238007

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.6
153	12.8	10.5	15.7

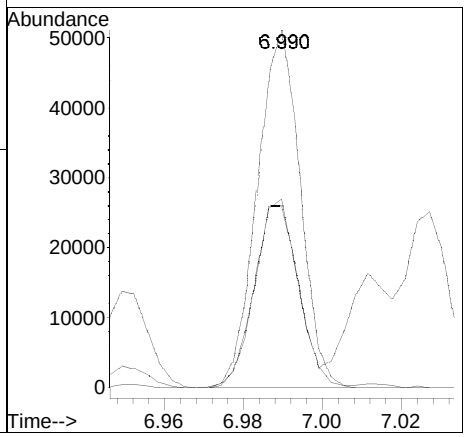


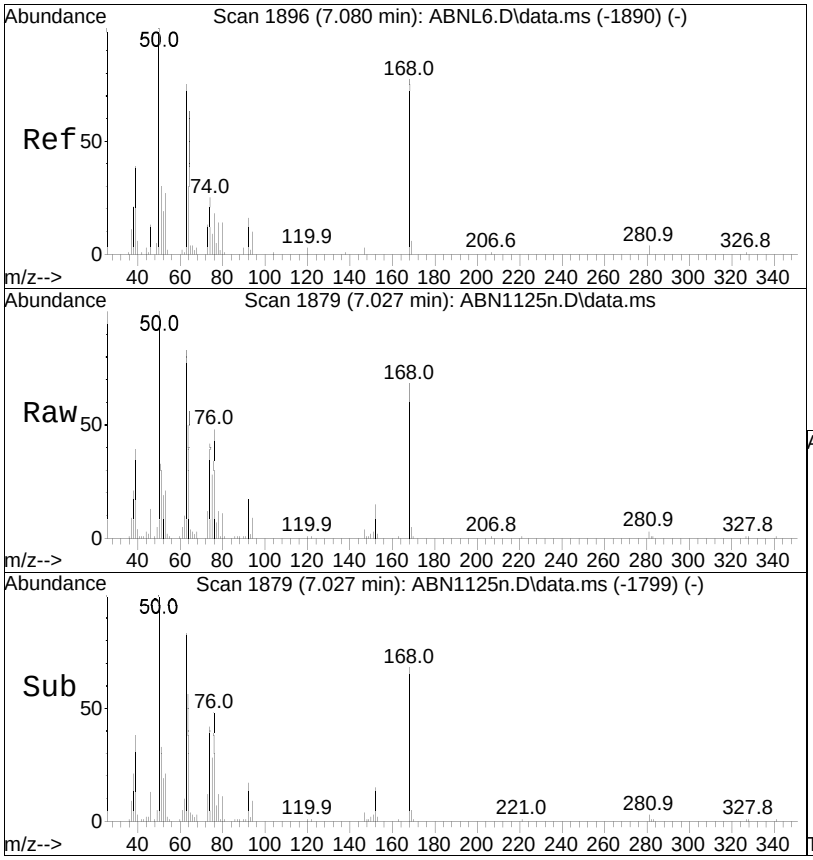


#55
2,6-Dinitrotoluene
Concen: 5.21 ug/ml
RT: 6.990 min Scan# 1867
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:165 Resp: 38545

Ion	Ratio	Lower	Upper
165	100		
89	53.5	54.2	81.2#
63	52.8	64.2	96.2#

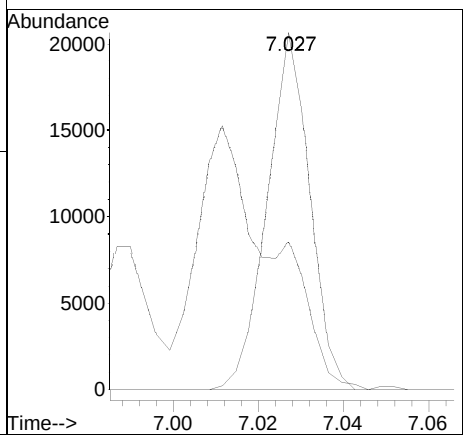


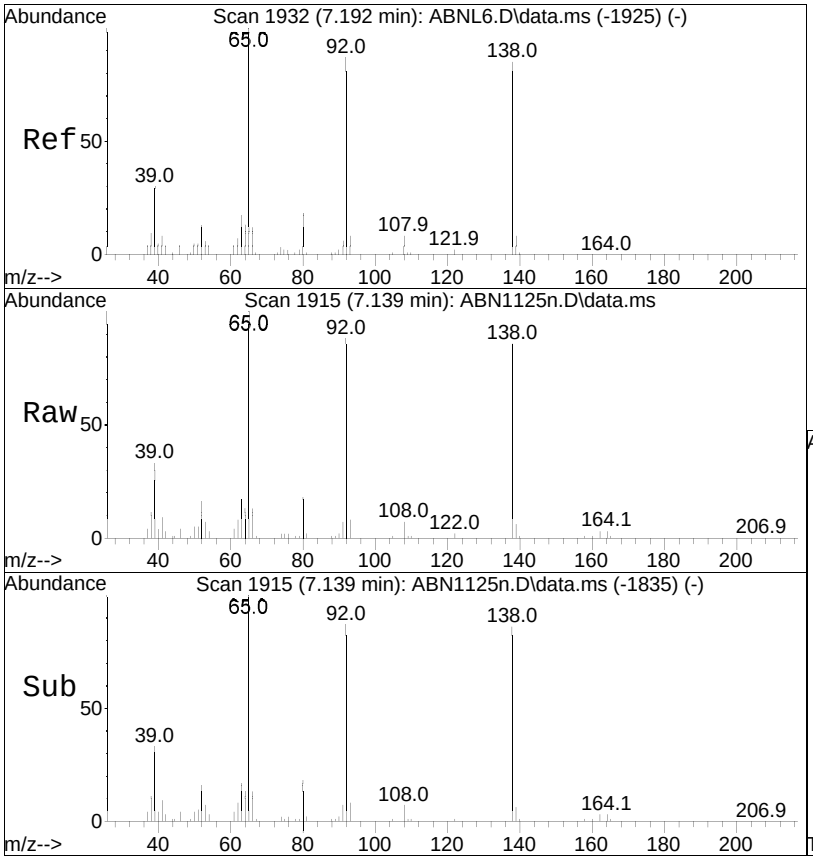


#56
1,2-Dinitrobenzene
Concen: 5.40 ug/ml
RT: 7.027 min Scan# 1879
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:168 Resp: 14309

Ion	Ratio	Lower	Upper
168	100		
75	127.8	30.9	46.3#

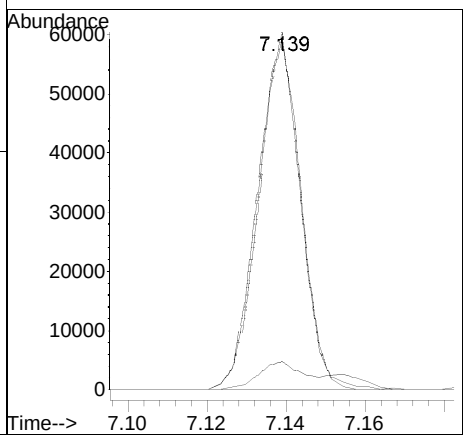


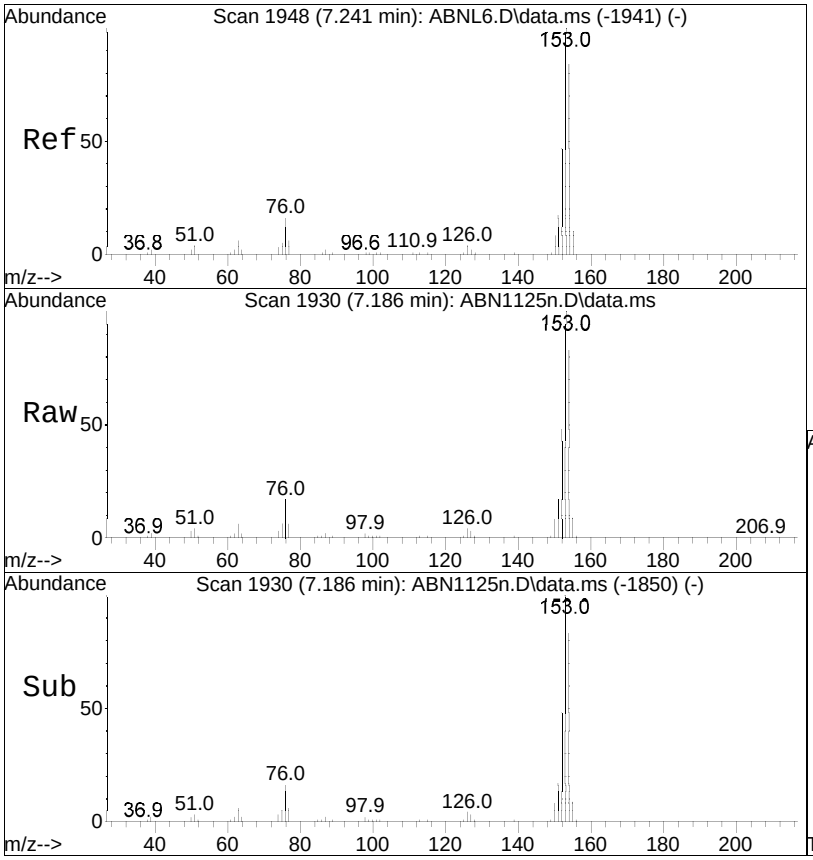


#66
3-Nitroaniline
Concen: 5.29 ug/ml
RT: 7.139 min Scan# 1915
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:138 Resp: 43428

Ion	Ratio	Lower	Upper
138	100		
92	102.4	93.4	140.2
108	8.8	9.5	14.3#

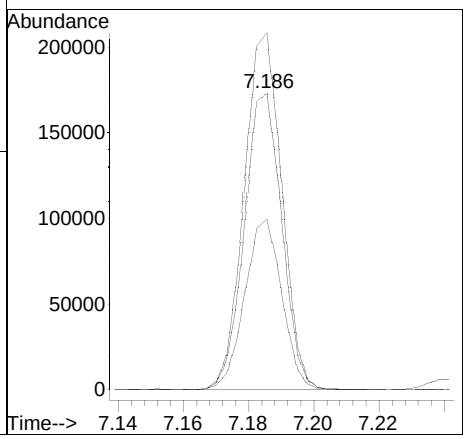


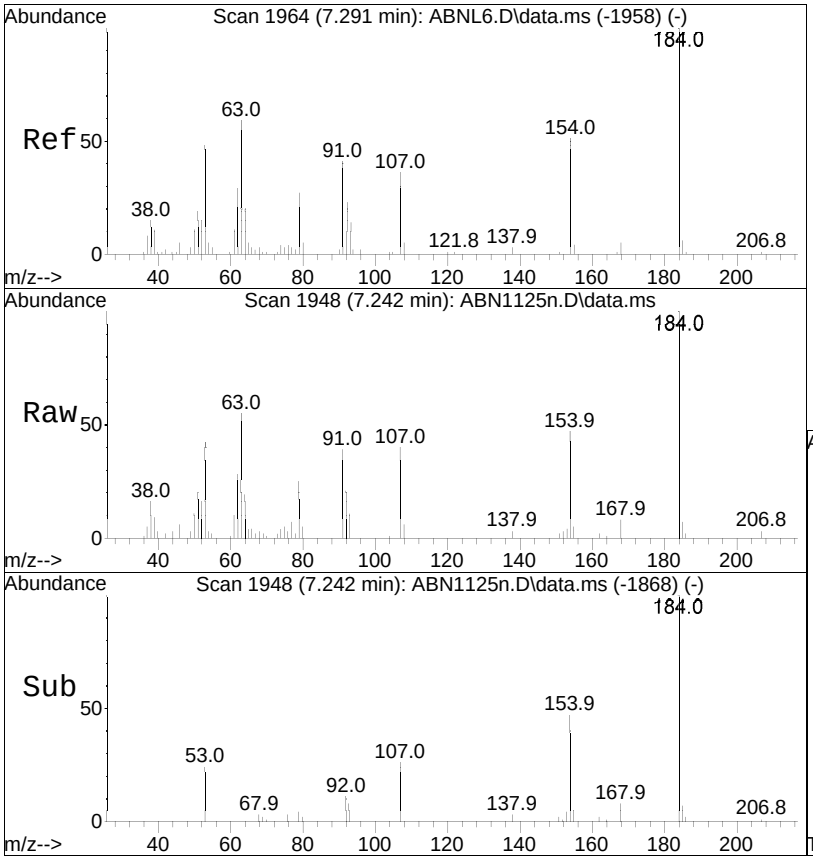


#67
Acenaphthene
Concen: 4.49 ug/ml
RT: 7.186 min Scan# 1930
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:154 Resp: 138622

Ion	Ratio	Lower	Upper
154	100		
153	120.8	85.3	127.9
152	57.0	41.4	62.0

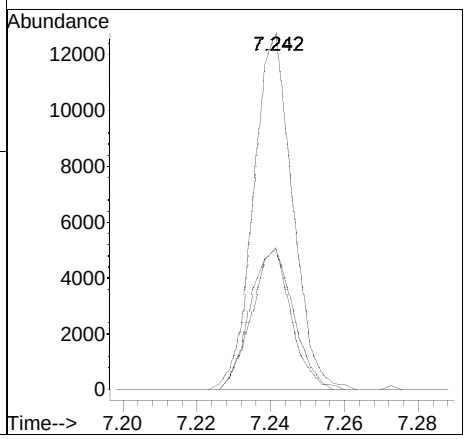


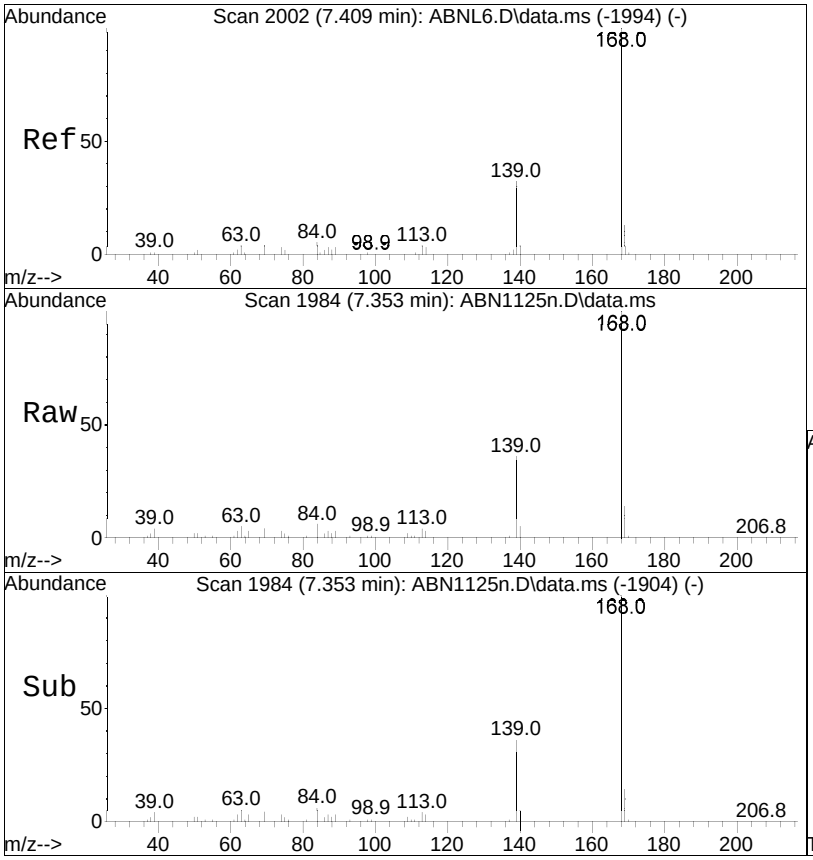


#68
2,4-Dinitrophenol
Concen: 1.86 ug/ml
RT: 7.242 min Scan# 1948
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:184 Resp: 9300

Ion	Ratio	Lower	Upper
184	100		
107	40.2	37.7	56.5
91	43.9	46.3	69.5#

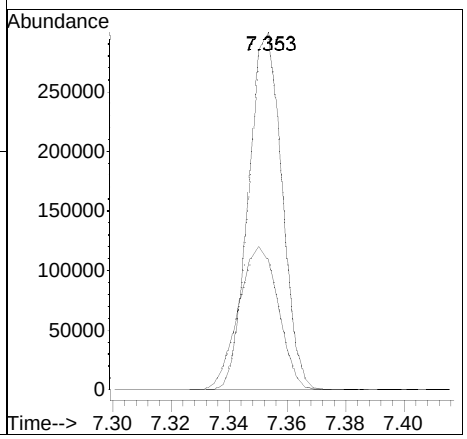


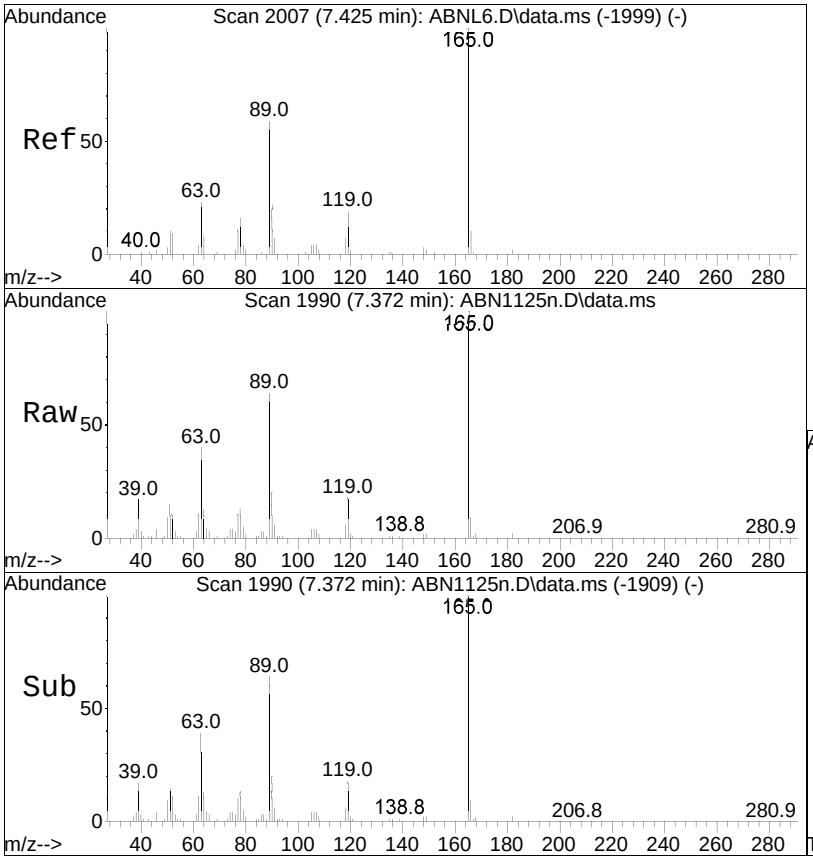


#69
Dibenzofuran
Concen: 4.45 ug/ml
RT: 7.353 min Scan# 1984
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:168 Resp: 236872

Ion	Ratio	Lower	Upper
168	100		
139	48.3	31.4	47.2#

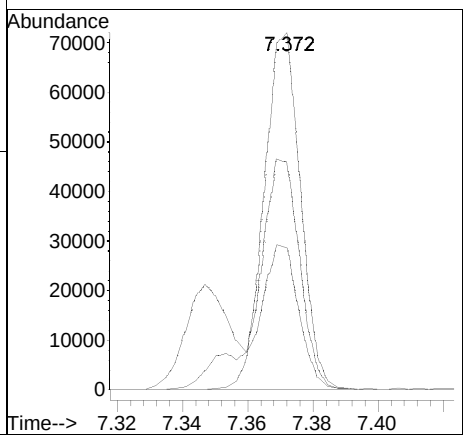


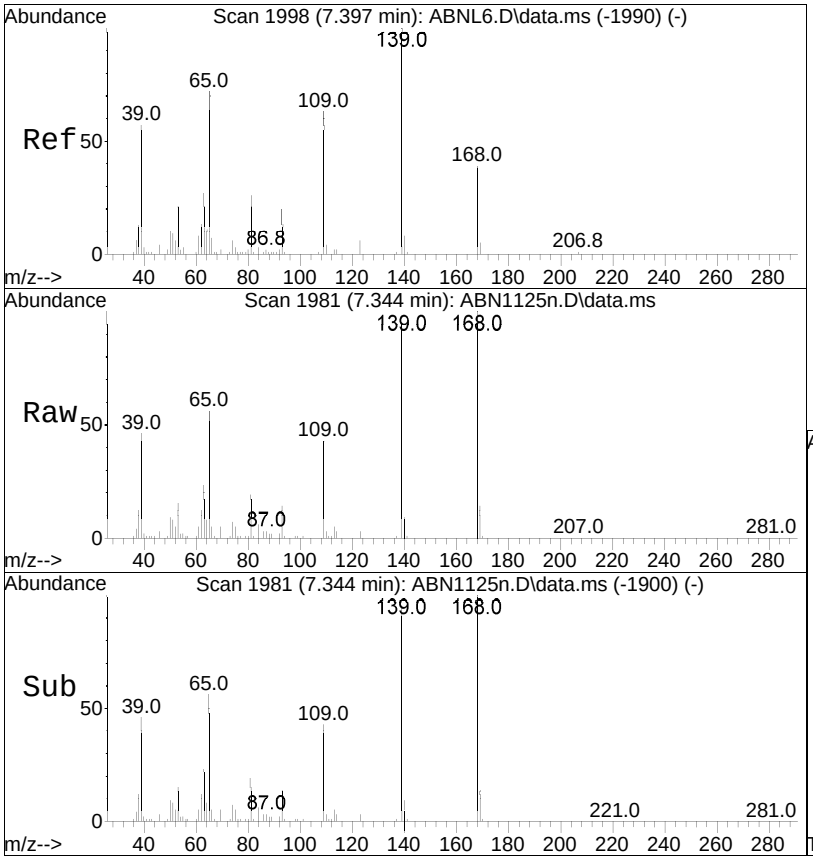


#70
2,4-Dinitrotoluene
Concen: 5.40 ug/ml
RT: 7.372 min Scan# 1990
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:165 Resp: 55538

Ion	Ratio	Lower	Upper
165	100		
89	76.3	72.0	108.0
63	40.2	52.7	79.1#

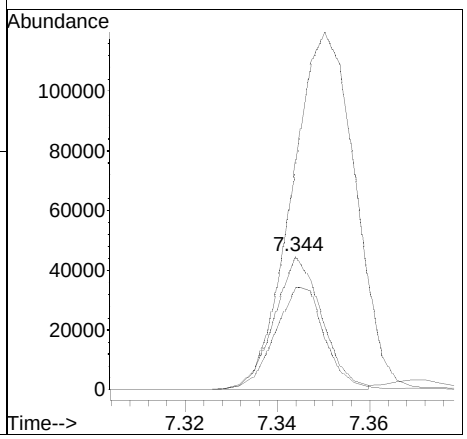


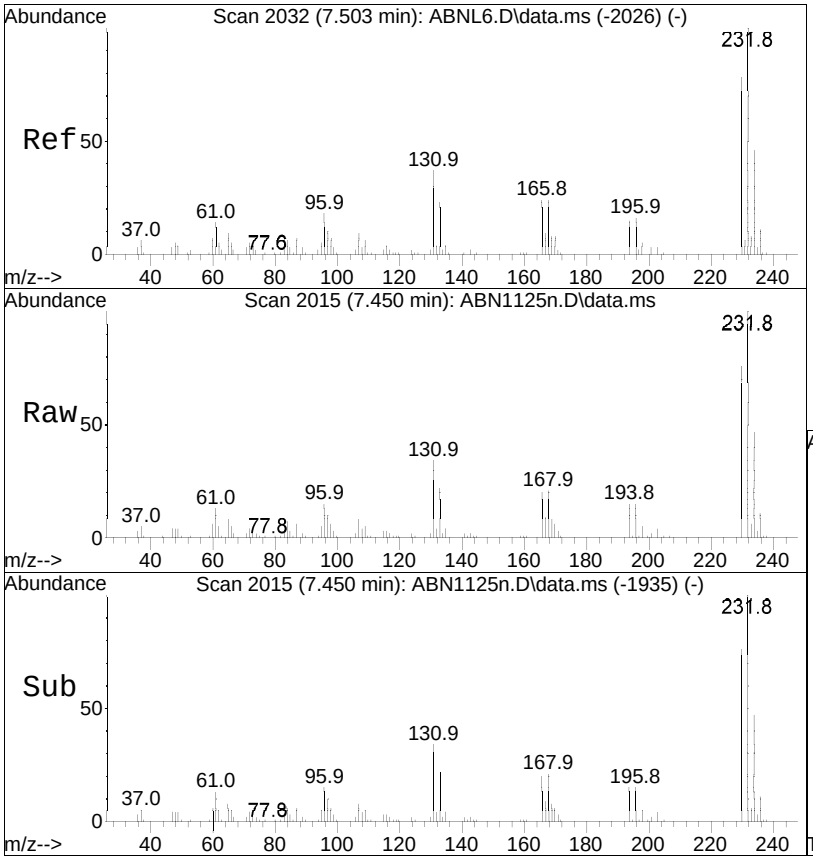


#71
4-Nitrophenol
Concen: 5.25 ug/ml
RT: 7.344 min Scan# 1981
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 65 Resp: 32104

Ion	Ratio	Lower	Upper
65	100		
109	79.8	47.4	71.2#
139	356.0	76.6	115.0#

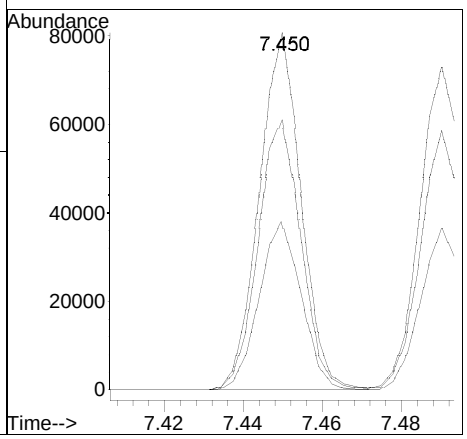


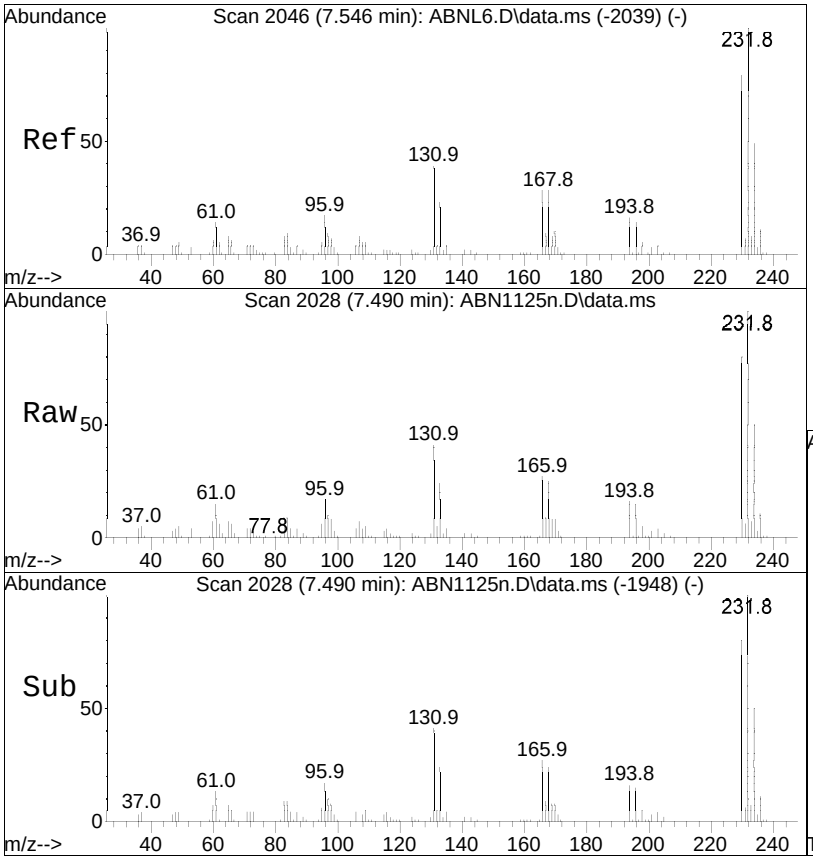


#72
2,3,5,6-Tetrachlorophenol
Concen: 5.13 ug/ml
RT: 7.450 min Scan# 2015
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:232 Resp: 59492

Ion	Ratio	Lower	Upper
232	100		
230	77.4	64.2	96.4
234	47.5	38.1	57.1

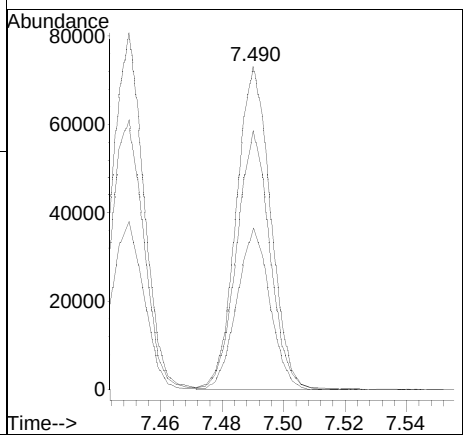


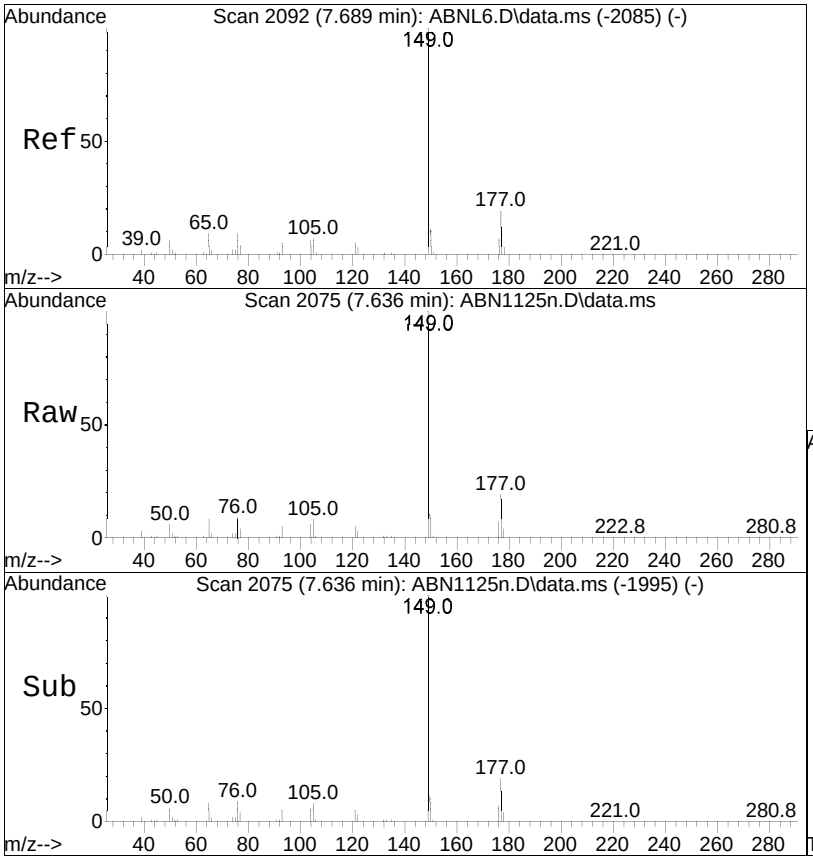


#73
2,3,4,6-Tetrachlorophenol
Concen: 5.01 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:232 Resp: 56960

Ion	Ratio	Lower	Upper
232	100		
230	76.9	61.8	92.8
234	47.7	36.2	54.2

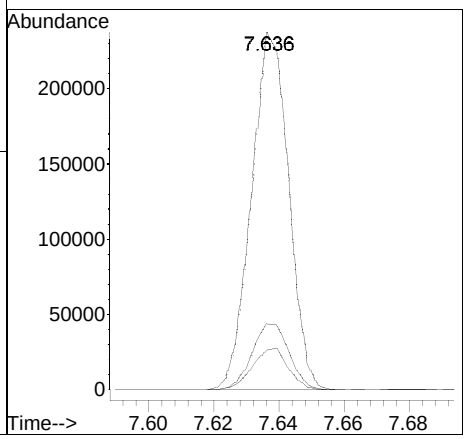


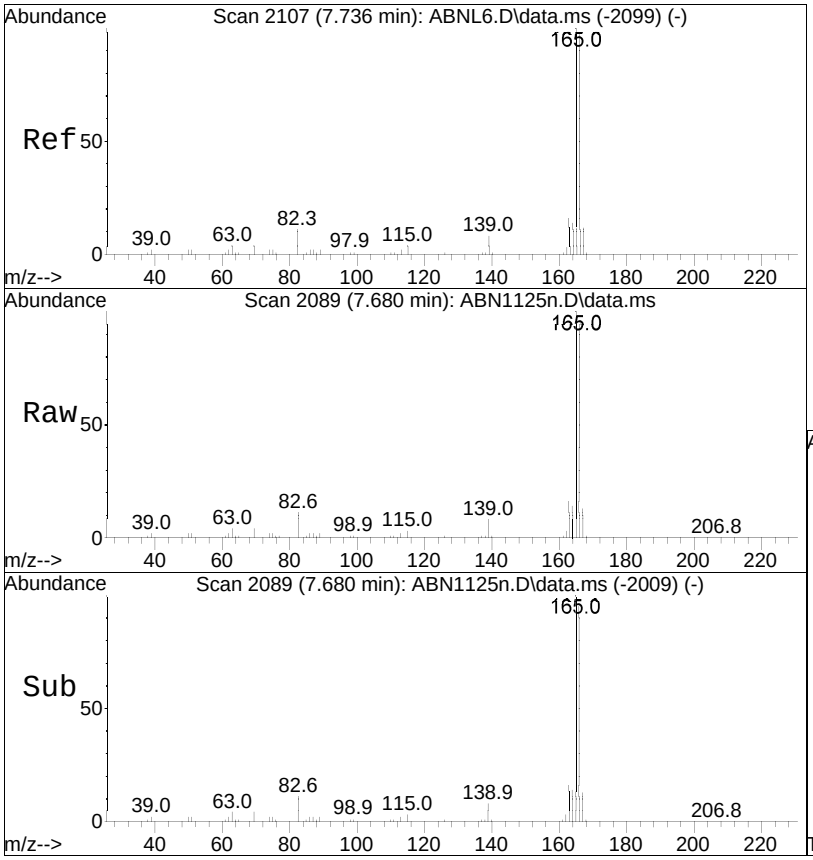


#74
Diethyl phthalate
Concen: 4.47 ug/ml
RT: 7.636 min Scan# 2075
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 186742

Ion	Ratio	Lower	Upper
149	100		
177	18.6	16.1	24.1
150	11.4	9.4	14.2

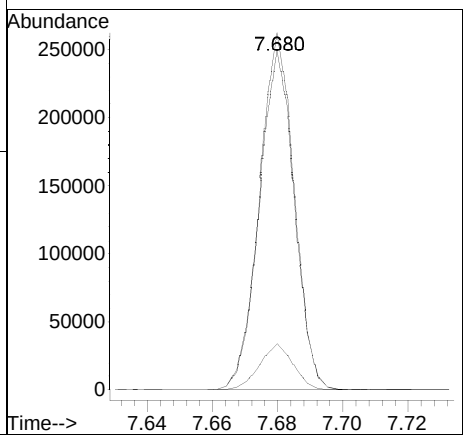


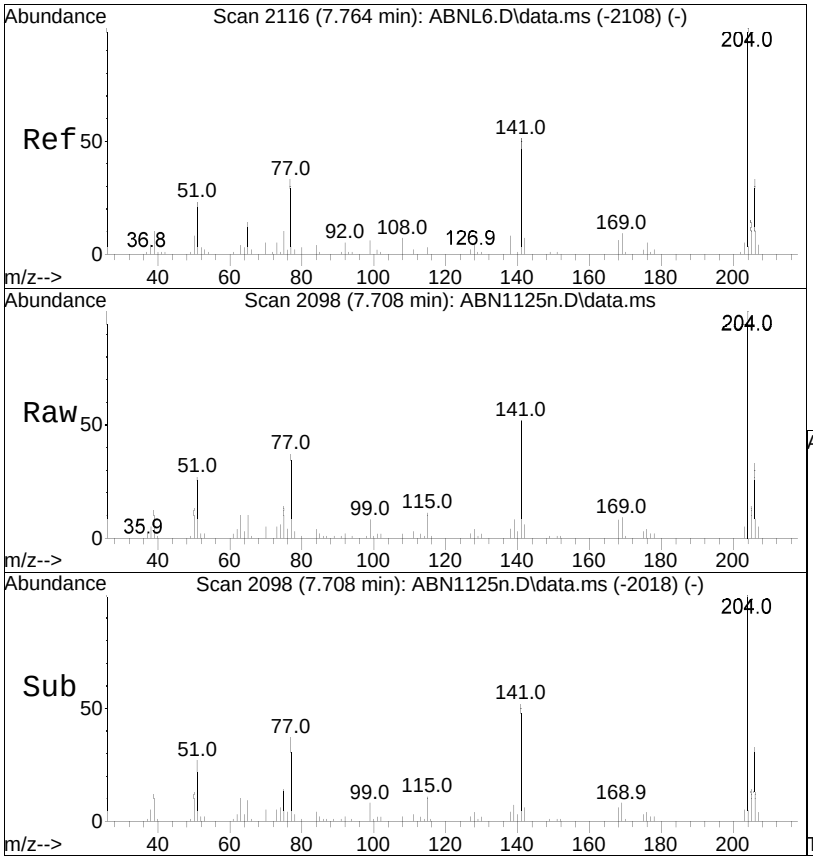


#75
Fluorene
Concen: 4.55 ug/ml
RT: 7.680 min Scan# 2089
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:166 Resp: 185609

Ion	Ratio	Lower	Upper
166	100		
165	105.1	76.2	114.2
167	13.2	10.6	15.8

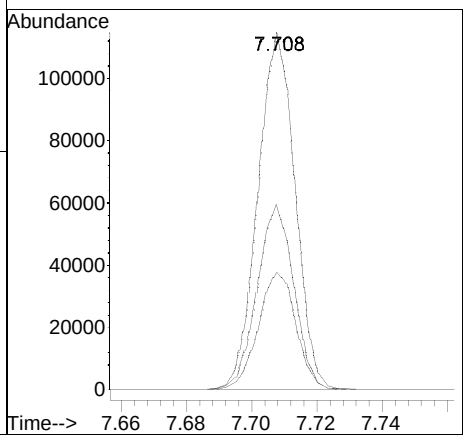


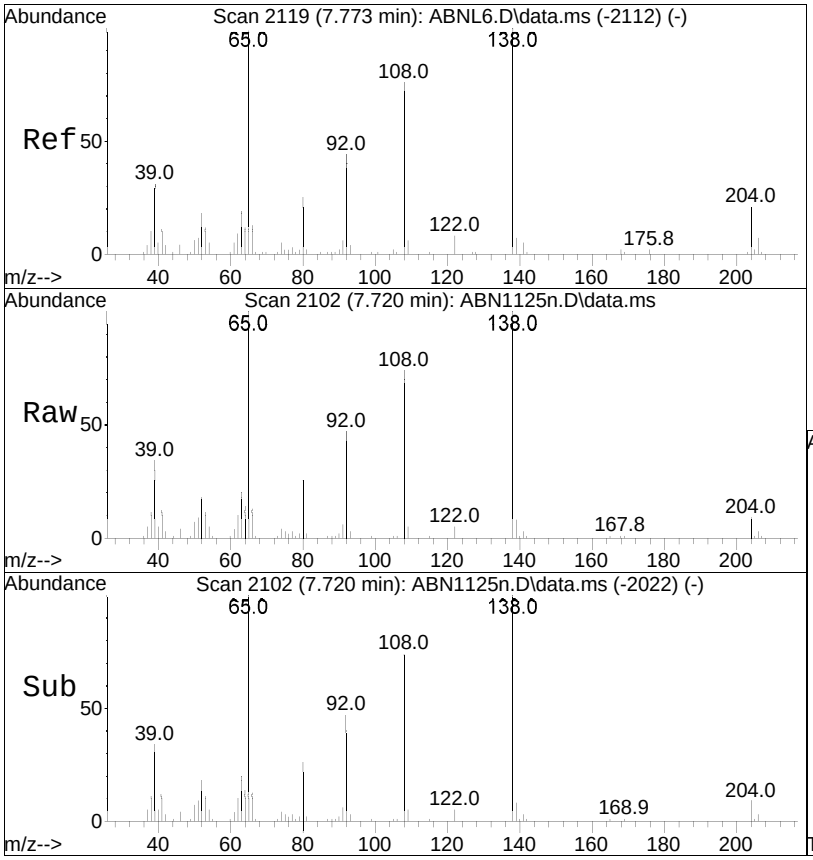


#76
4-Chlorophenyl phenyl ether
Concen: 4.28 ug/ml
RT: 7.708 min Scan# 2098
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:204 Resp: 90032

Ion	Ratio	Lower	Upper
204	100		
206	33.4	25.8	38.6
141	51.2	53.6	80.4#

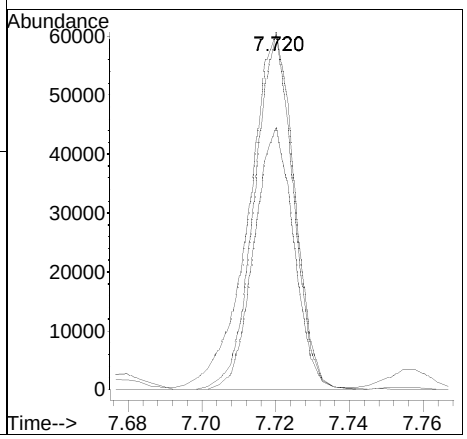


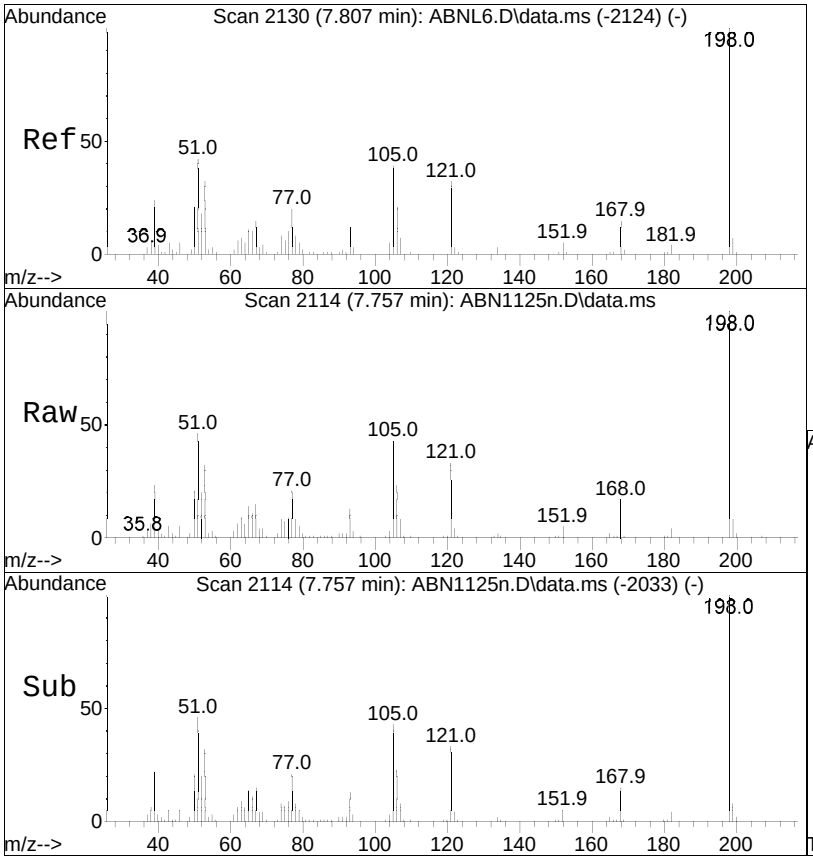


#77
4-Nitroaniline
Concen: 5.74 ug/ml
RT: 7.720 min Scan# 2102
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:138 Resp: 45476

Ion	Ratio	Lower	Upper
138	100		
108	72.8	52.1	78.1
65	111.3	115.0	172.6#

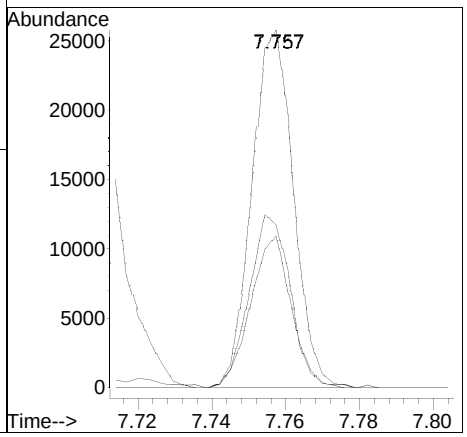


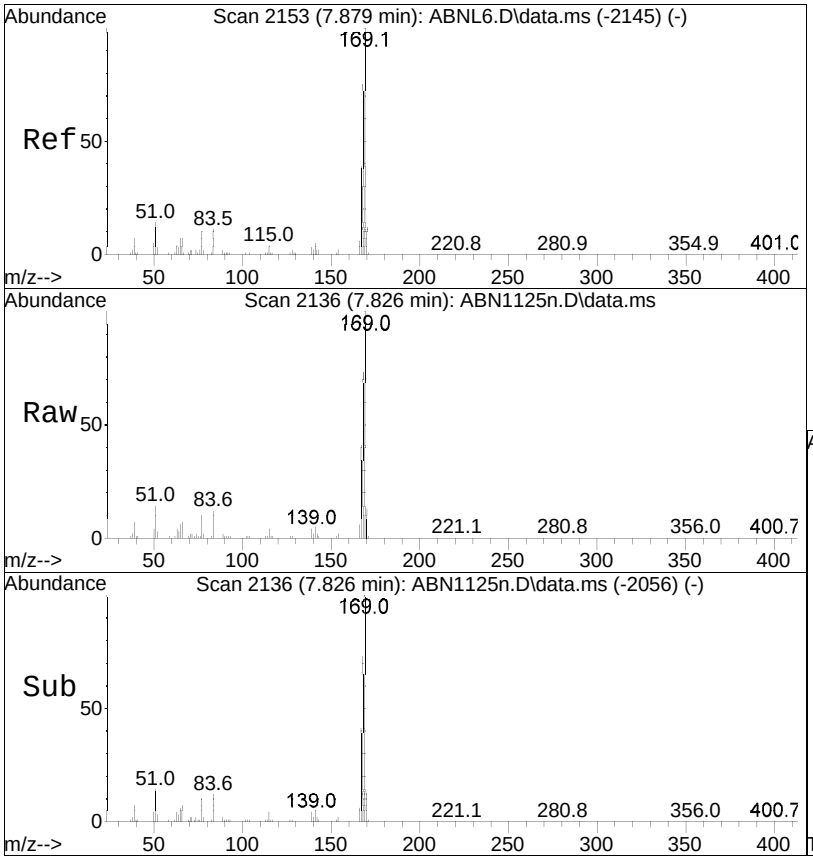


#78
4,6-Dinitro-o-cresol
Concen: 3.23 ug/ml
RT: 7.757 min Scan# 2114
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:198 Resp: 20103

Ion	Ratio	Lower	Upper
198	100		
51	48.1	76.0	114.0#
105	41.6	45.6	68.4#

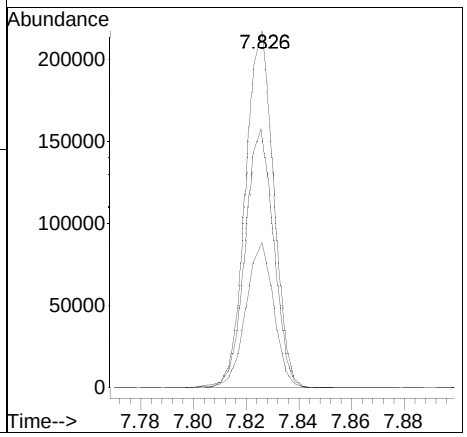


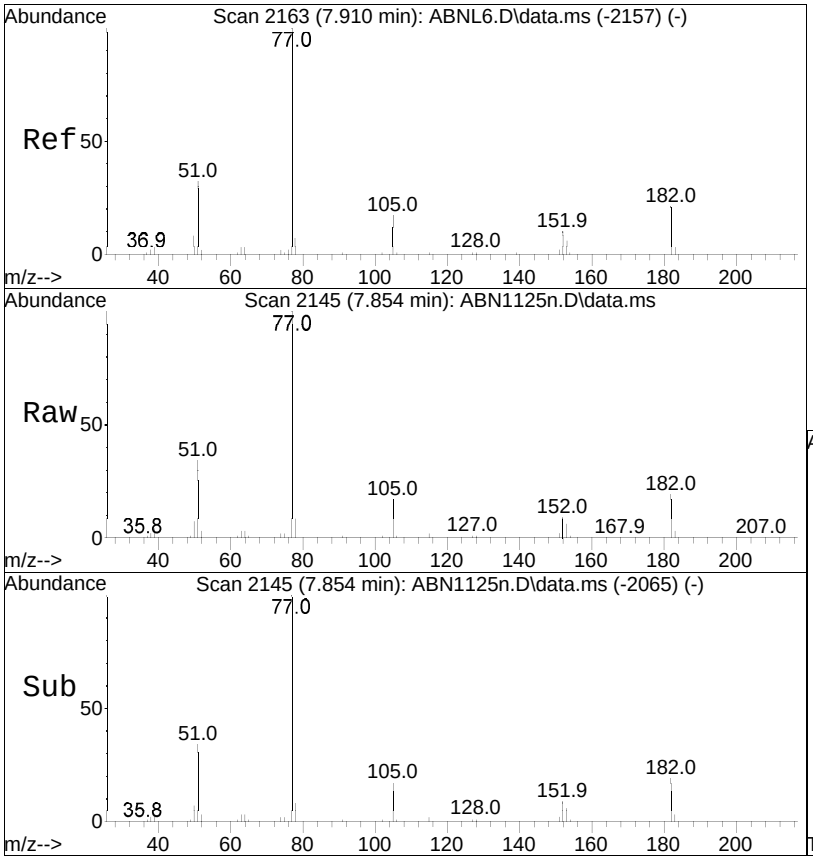


#79
NDPA/DPA
Concen: 4.55 ug/ml
RT: 7.826 min Scan# 2136
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:169 Resp: 161535

Ion	Ratio	Lower	Upper
169	100		
168	73.8	54.0	81.0
167	40.7	28.6	42.8

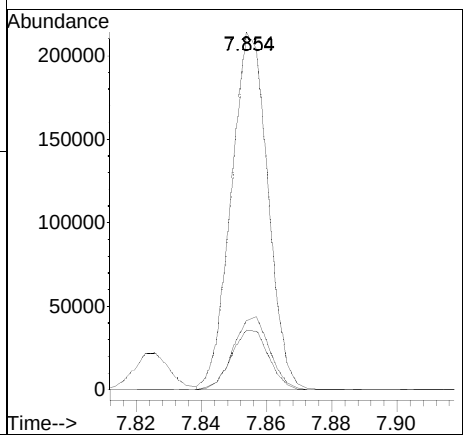


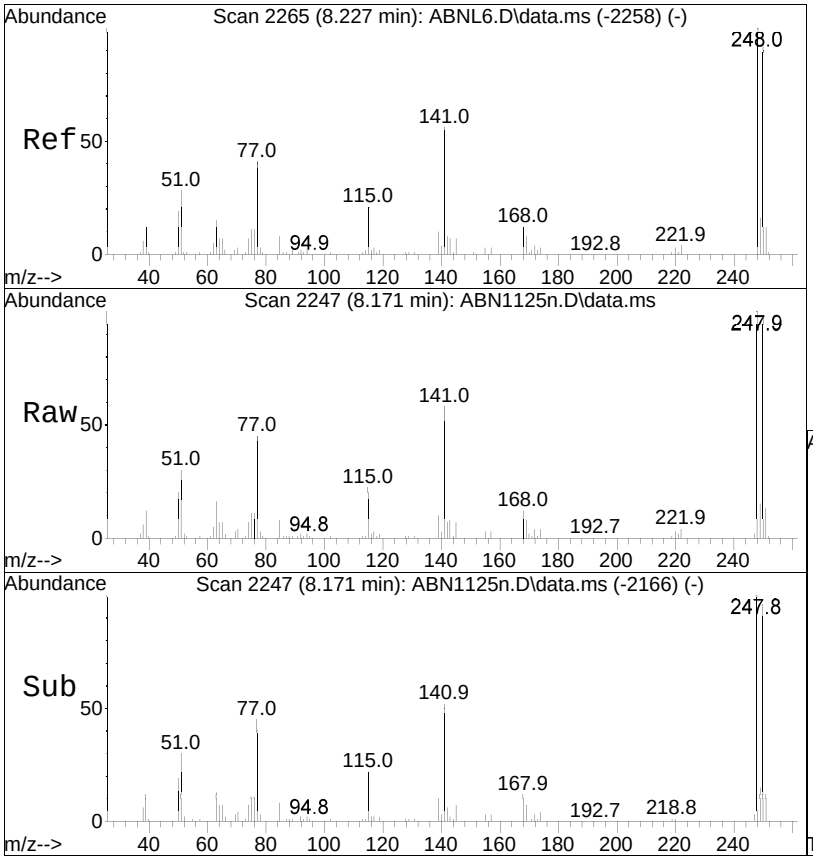


#80
Azobenzene
Concen: 4.87 ug/ml
RT: 7.854 min Scan# 2145
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion: 77 Resp: 165772

Ion	Ratio	Lower	Upper
77	100		
182	20.4	17.4	26.2
105	17.3	15.4	23.2

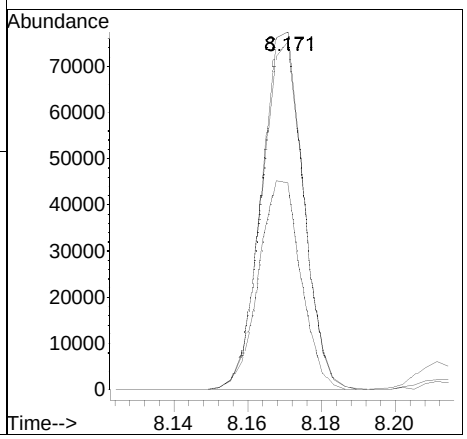


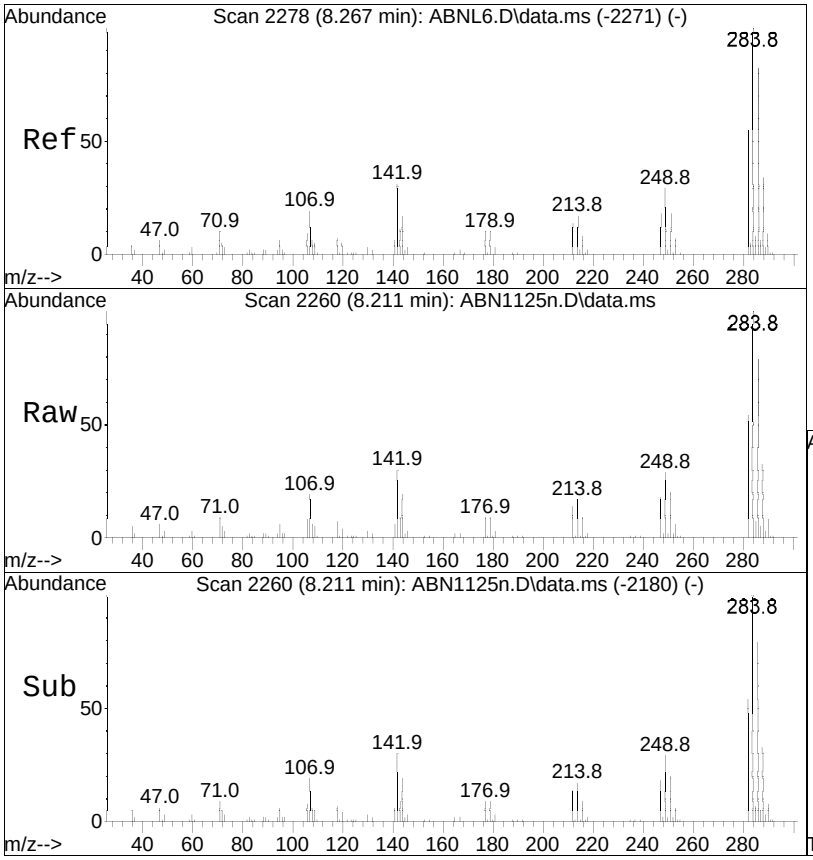


#82
4-Bromophenyl phenyl ether
Concen: 4.38 ug/ml
RT: 8.171 min Scan# 2247
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:248 Resp: 60722

Ion	Ratio	Lower	Upper
248	100		
141	59.0	76.6	114.8#
250	97.4	77.3	115.9

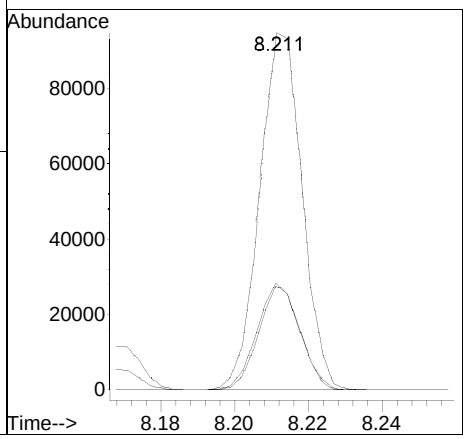


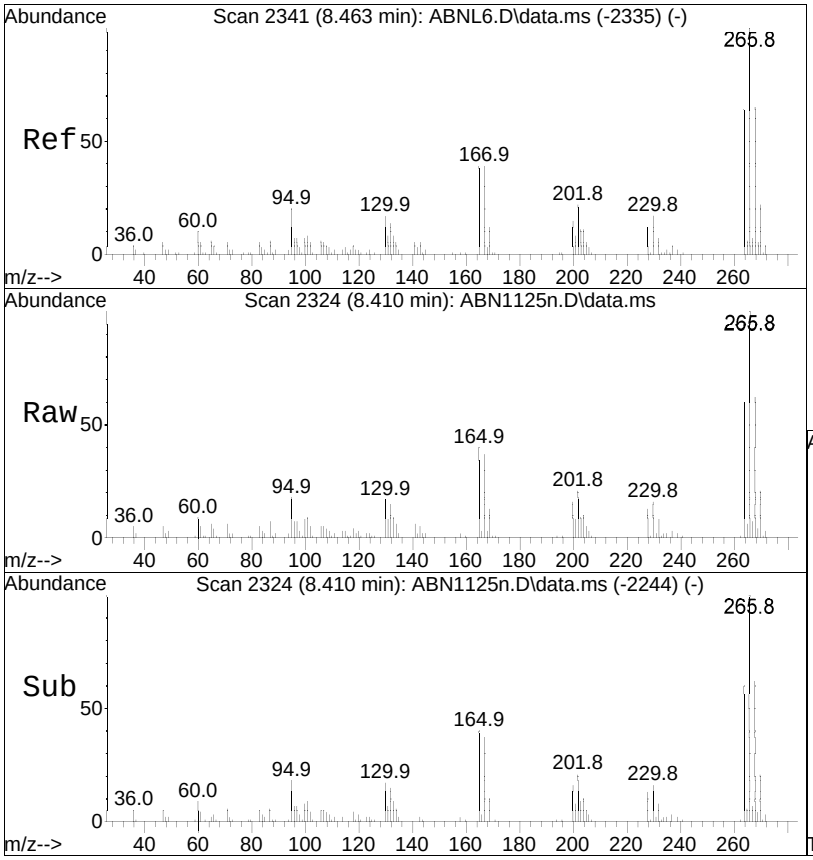


#83
Hexachlorobenzene
Concen: 4.34 ug/ml
RT: 8.211 min Scan# 2260
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:284 Resp: 75644

Ion	Ratio	Lower	Upper
284	100		
142	29.7	41.9	62.9#
249	28.6	24.1	36.1

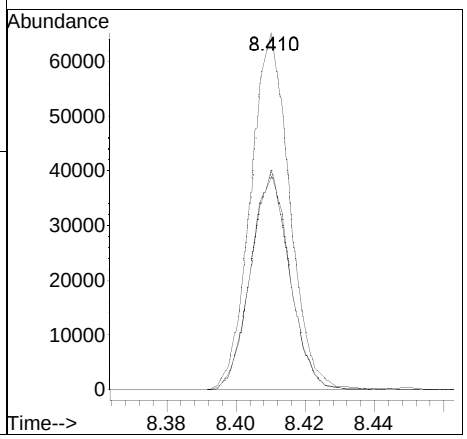


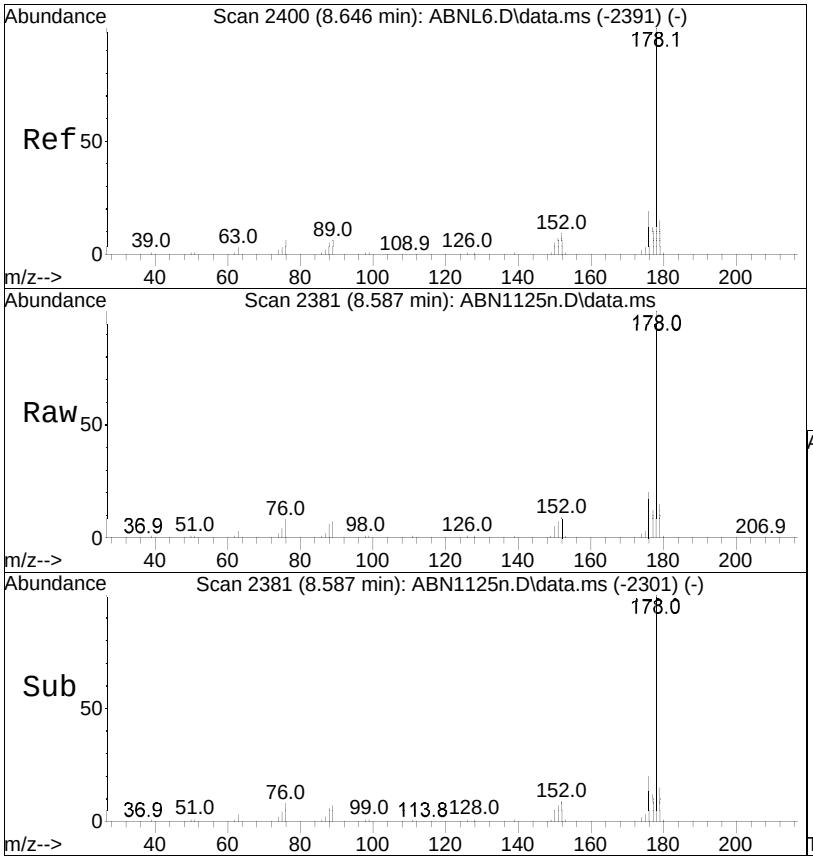


#84
Pentachlorophenol
Concen: 5.40 ug/ml
RT: 8.410 min Scan# 2324
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:266 Resp: 51011

Ion	Ratio	Lower	Upper
266	100		
264	61.7	49.7	74.5
268	61.4	50.5	75.7

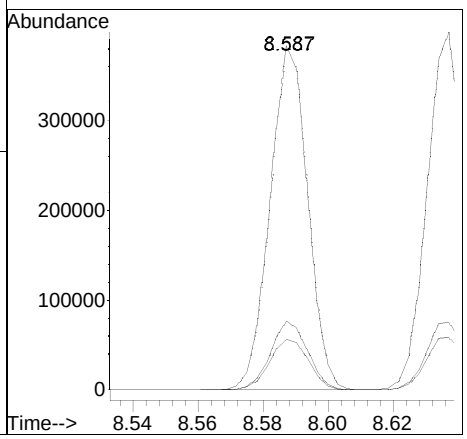


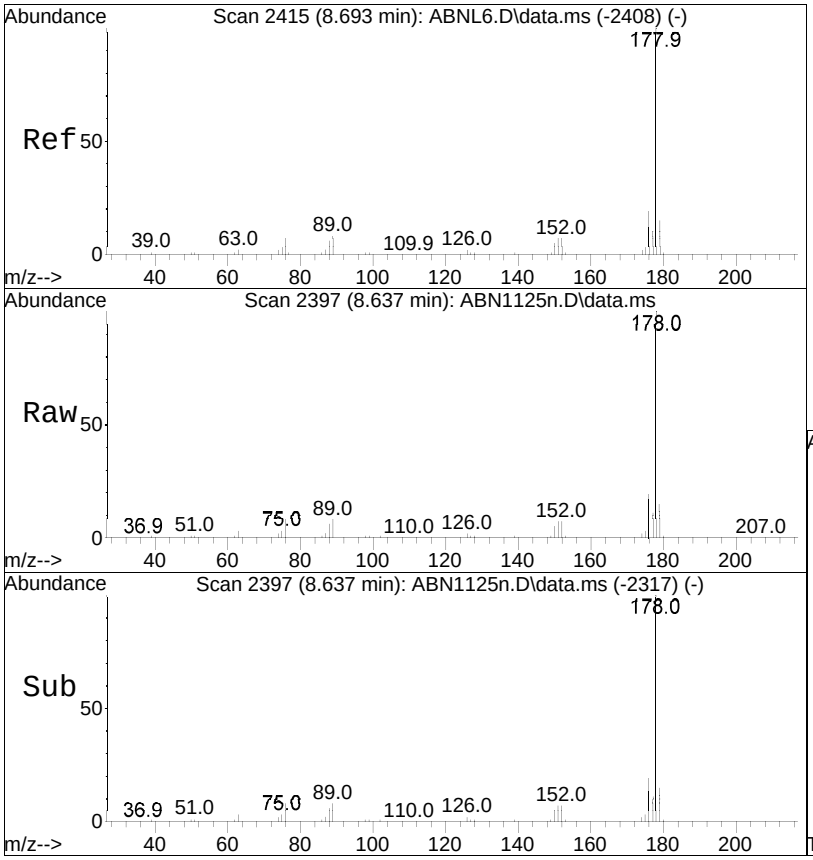


#91
Phenanthrene
Concen: 4.46 ug/ml
RT: 8.587 min Scan# 2381
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:178 Resp: 307699

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	19.7	15.4	23.2

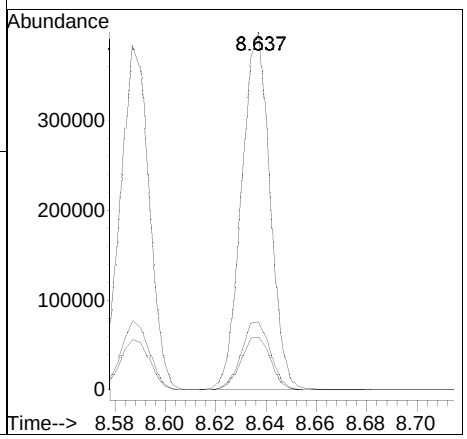


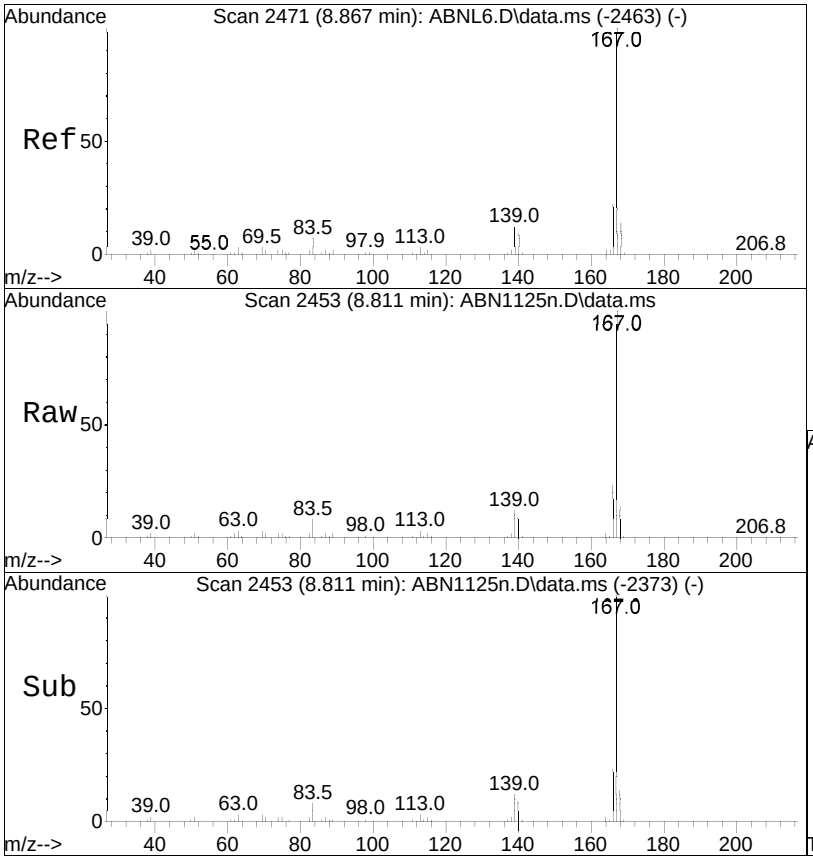


#92
Anthracene
Concen: 4.63 ug/ml
RT: 8.637 min Scan# 2397
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:178 Resp: 313439

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	19.6	14.6	22.0

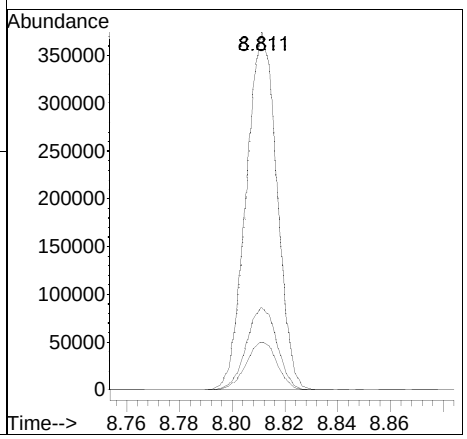


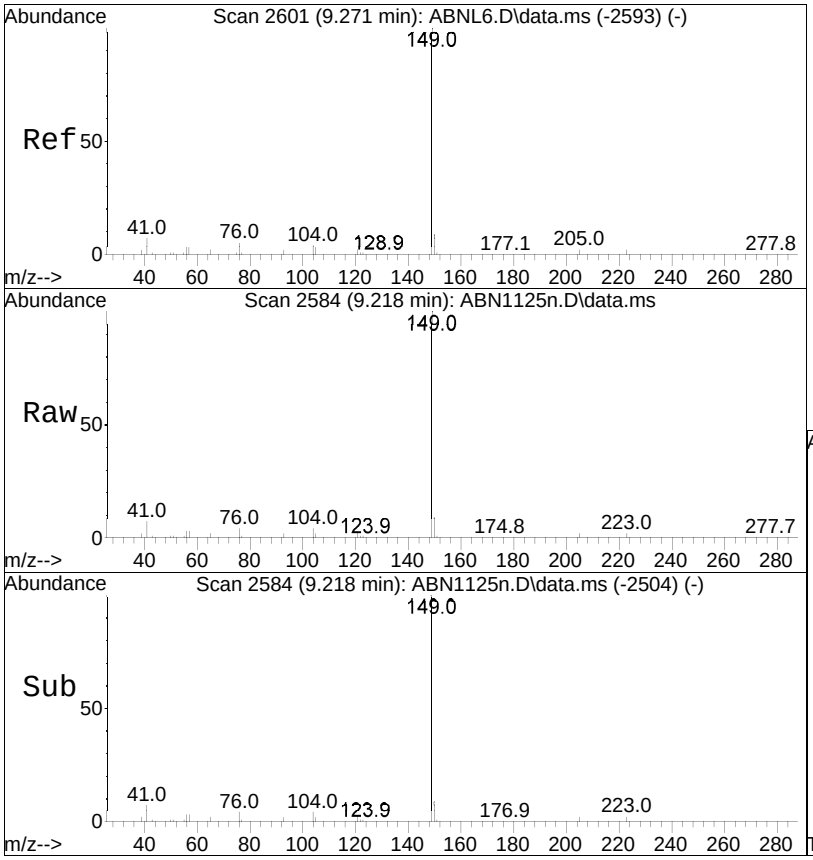


#93
Carbazole
Concen: 4.84 ug/ml
RT: 8.811 min Scan# 2453
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:167 Resp: 300473

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	23.1	17.4	26.0

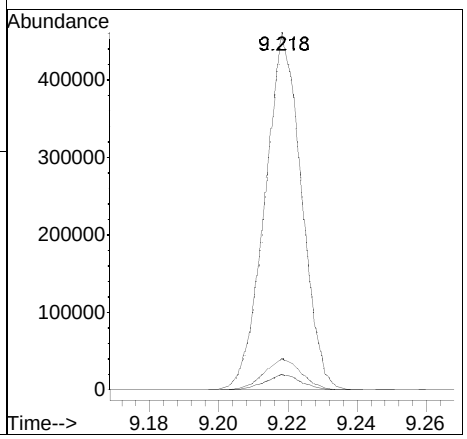


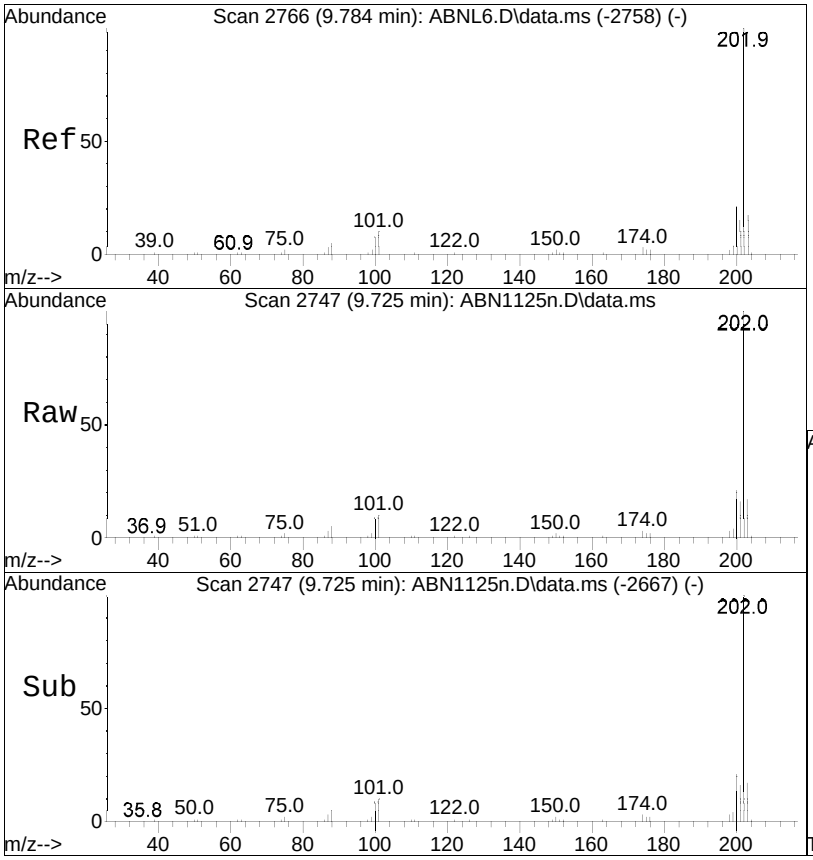


#94
Di-n-butylphthalate
Concen: 4.75 ug/ml
RT: 9.218 min Scan# 2584
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 334584

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	4.3	4.5	6.7#

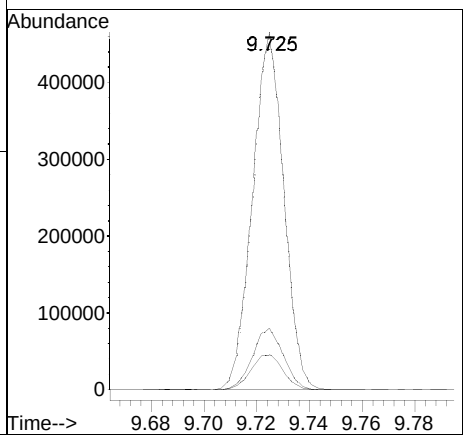


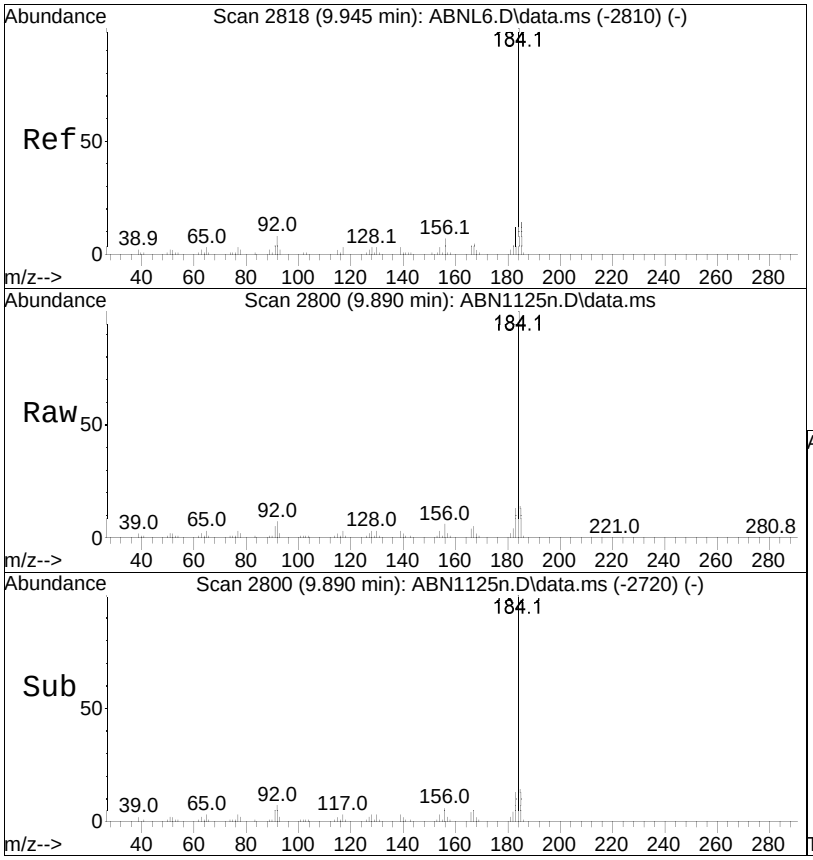


#95
Fluoranthene
Concen: 4.56 ug/ml
RT: 9.725 min Scan# 2747
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:202 Resp: 378130

Ion	Ratio	Lower	Upper
202	100		
101	10.3	13.5	20.3#
203	17.2	13.6	20.4

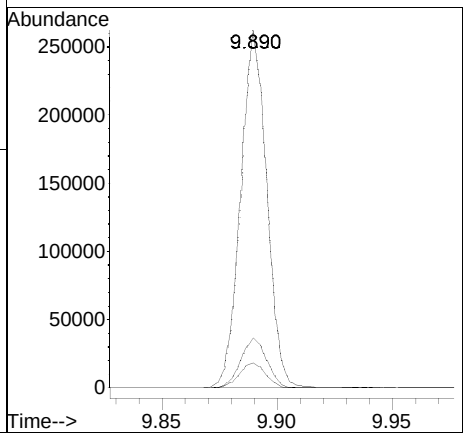


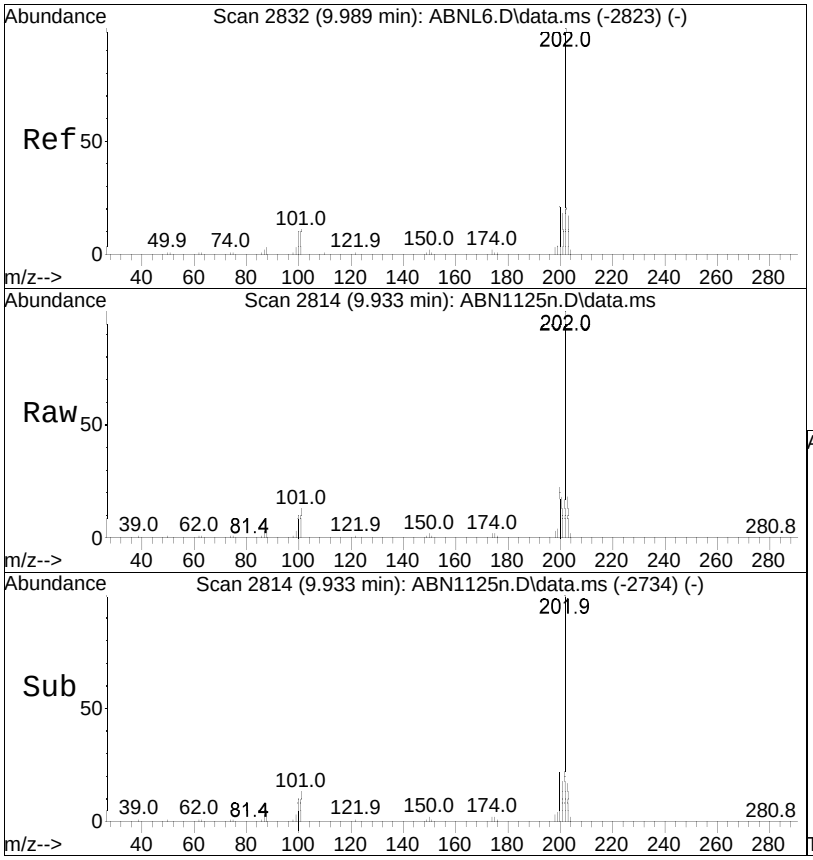


#96
Benzidine
Concen: 4.53 ug/ml
RT: 9.890 min Scan# 2800
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:184 Resp: 204018

Ion	Ratio	Lower	Upper
184	100		
92	7.1	9.1	13.7#
185	14.1	11.1	16.7

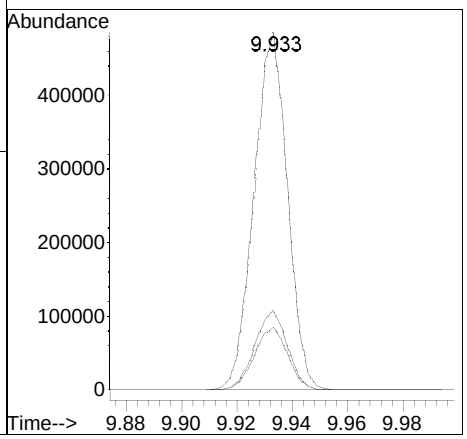


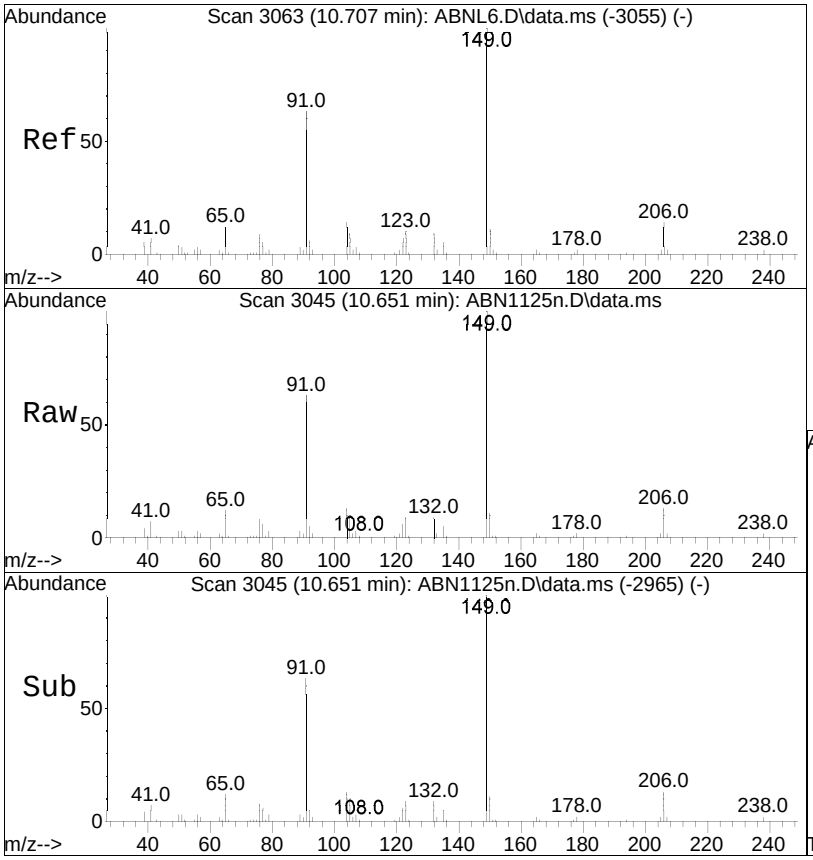


#97
Pyrene
Concen: 4.54 ug/ml
RT: 9.933 min Scan# 2814
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:202 Resp: 402178

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.7	25.1
203	17.6	14.2	21.4

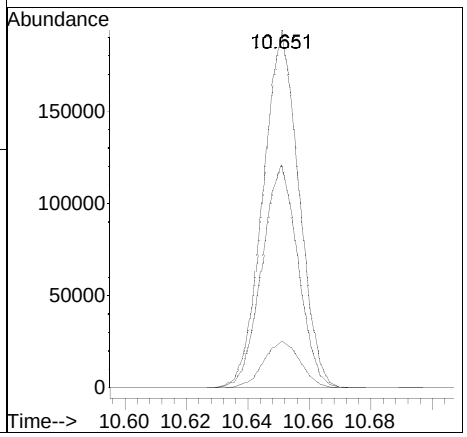


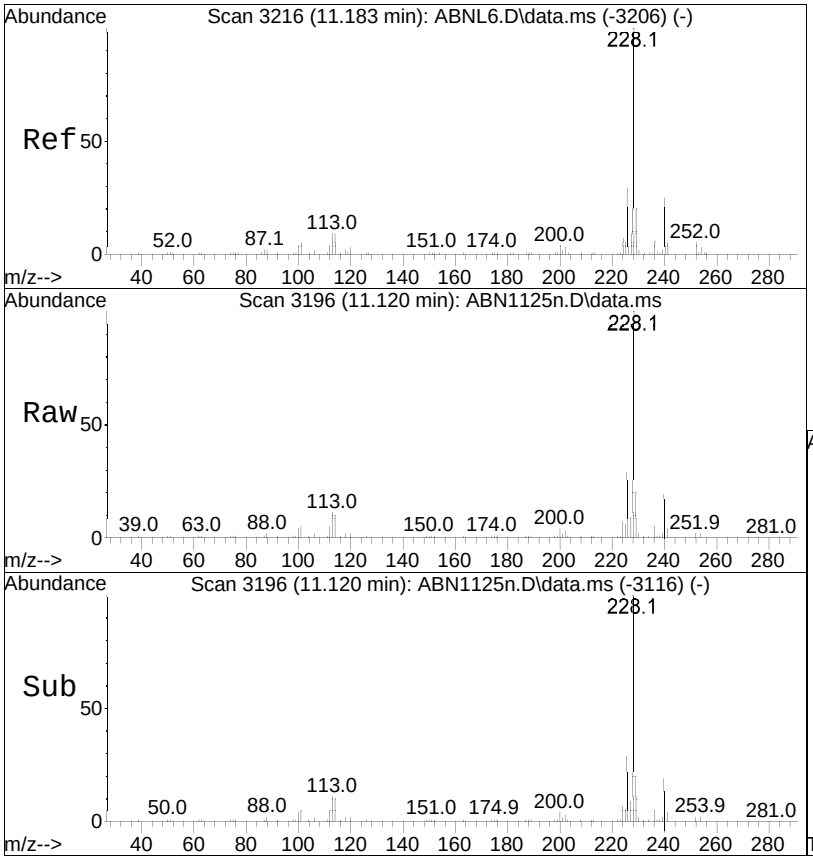


#99
Butyl benzyl phthalate
Concen: 5.16 ug/ml
RT: 10.651 min Scan# 3045
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 155463

Ion	Ratio	Lower	Upper
149	100		
91	63.0	63.3	94.9#
206	13.4	13.9	20.9#

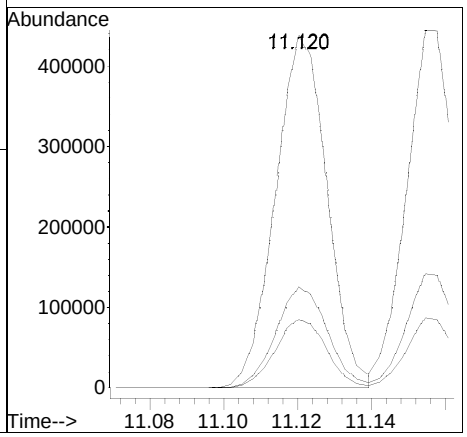


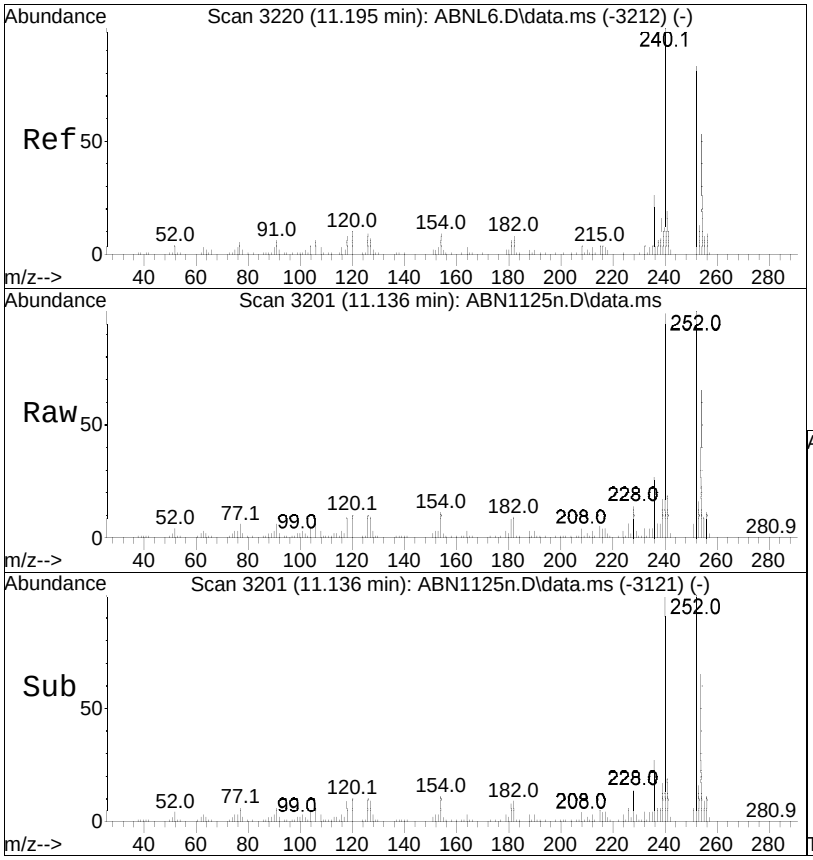


#107
Benzo(a)anthracene
Concen: 4.52 ug/ml
RT: 11.120 min Scan# 3196
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:228 Resp: 426029

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.4
229	19.5	15.6	23.4

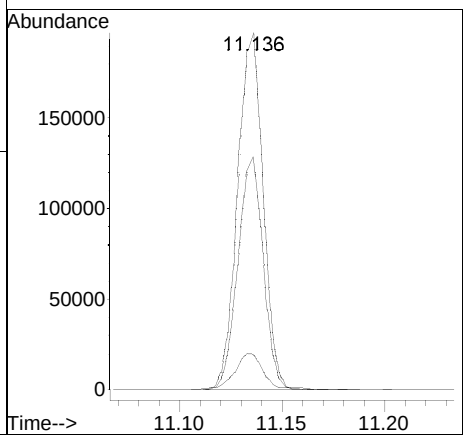


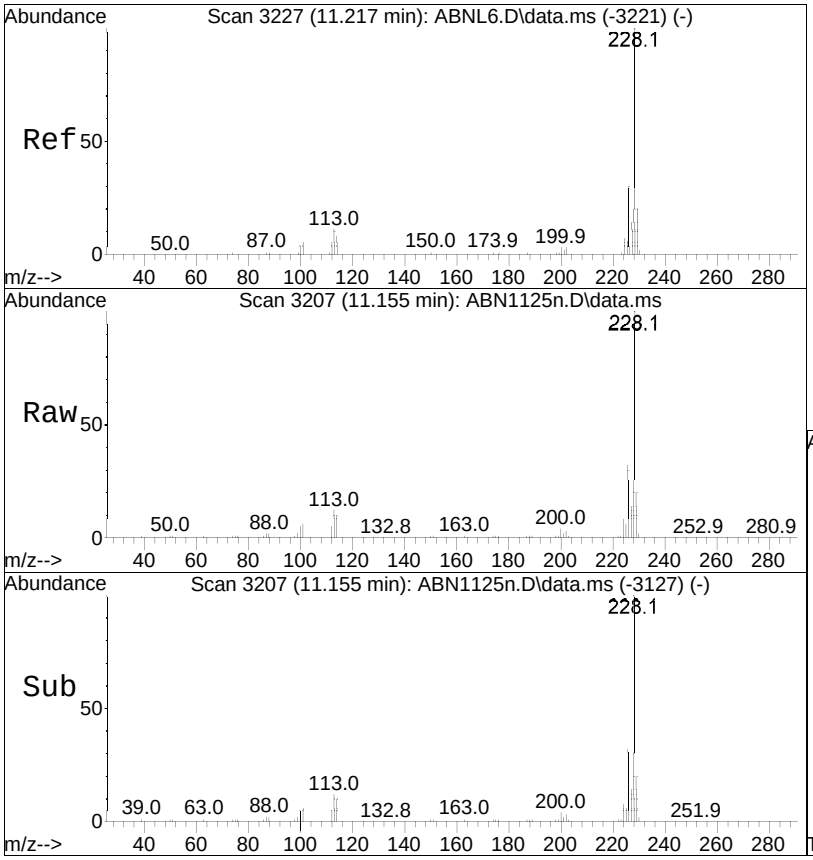


#108
3,3'-Dichlorobenzidine
Concen: 4.85 ug/ml
RT: 11.136 min Scan# 3201
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:252 Resp: 170248

Ion	Ratio	Lower	Upper
252	100		
126	12.0	14.5	21.7#
254	64.8	51.2	76.8

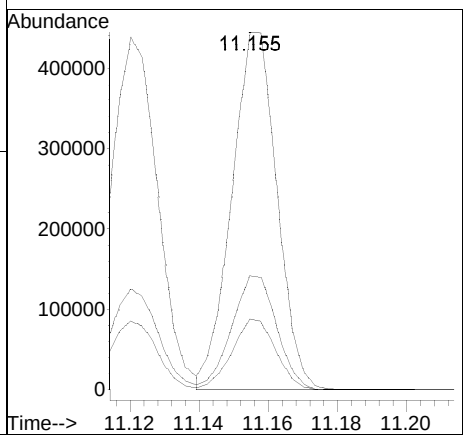


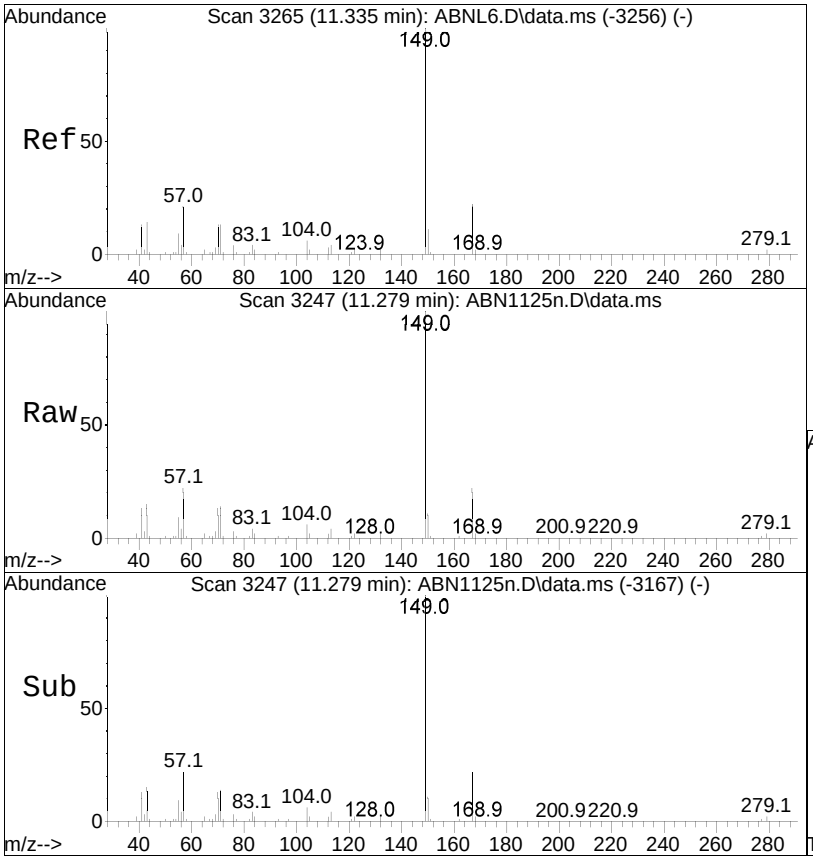


#109
Chrysene
Concen: 4.28 ug/ml
RT: 11.155 min Scan# 3207
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:228 Resp: 401999

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.0	36.0
229	19.3	15.8	23.8

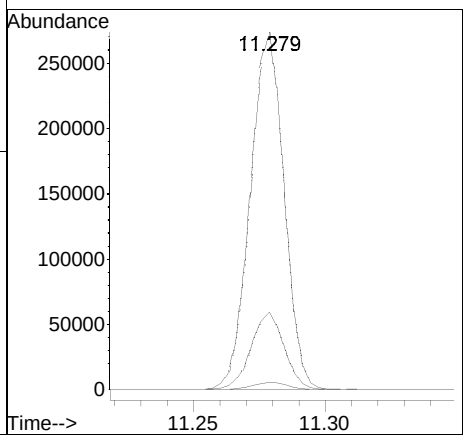


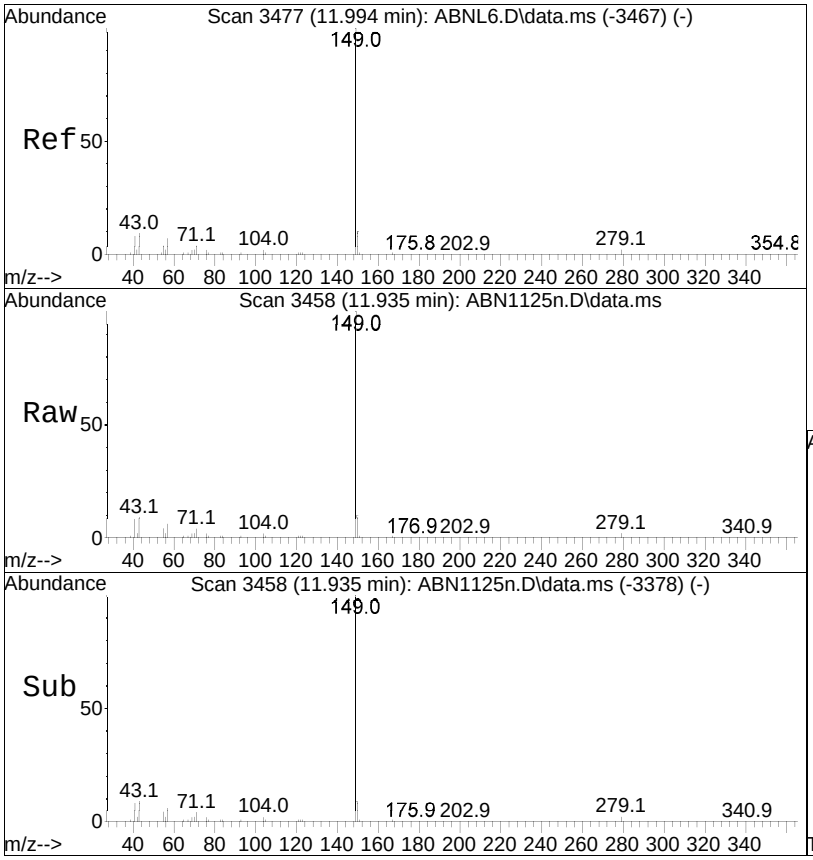


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.77 ug/ml
RT: 11.279 min Scan# 3247
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 240905

Ion	Ratio	Lower	Upper
149	100		
167	21.3	22.1	33.1#
279	1.9	3.0	4.4#

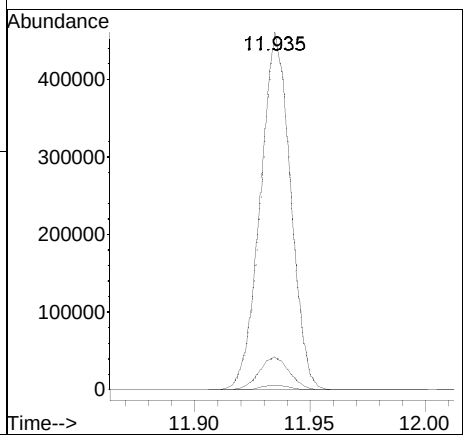


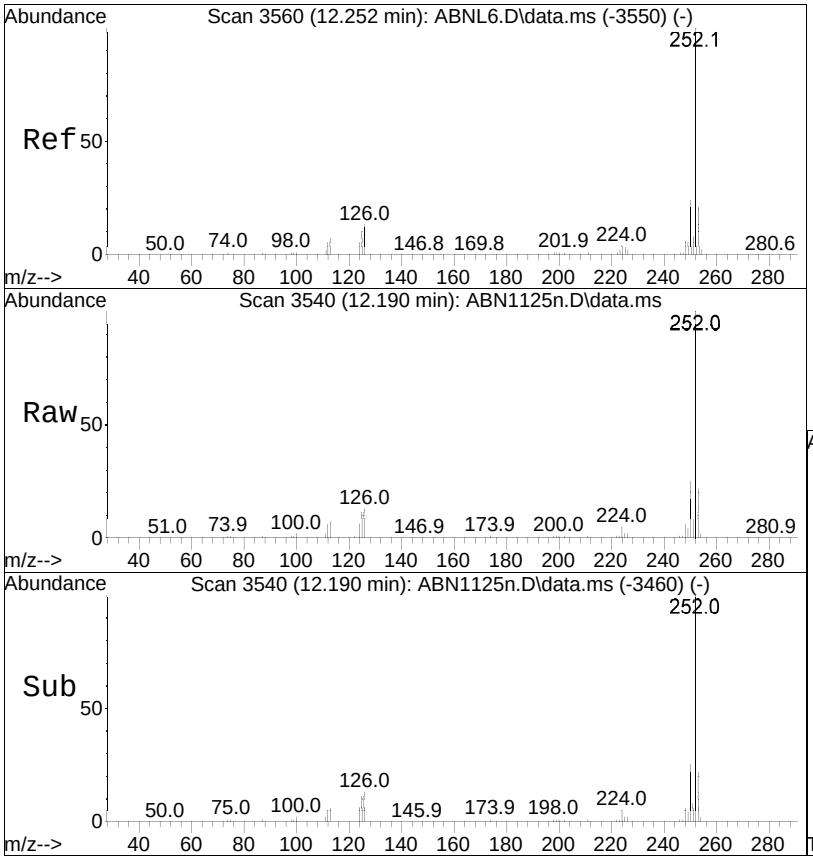


#111
Di-n-octylphthalate
Concen: 4.90 ug/ml
RT: 11.935 min Scan# 3458
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 412749

Ion	Ratio	Lower	Upper
149	100		
43	9.3	18.8	28.2#
167	1.2	1.3	1.9#

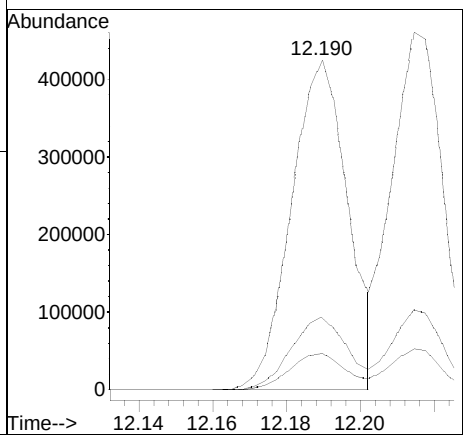


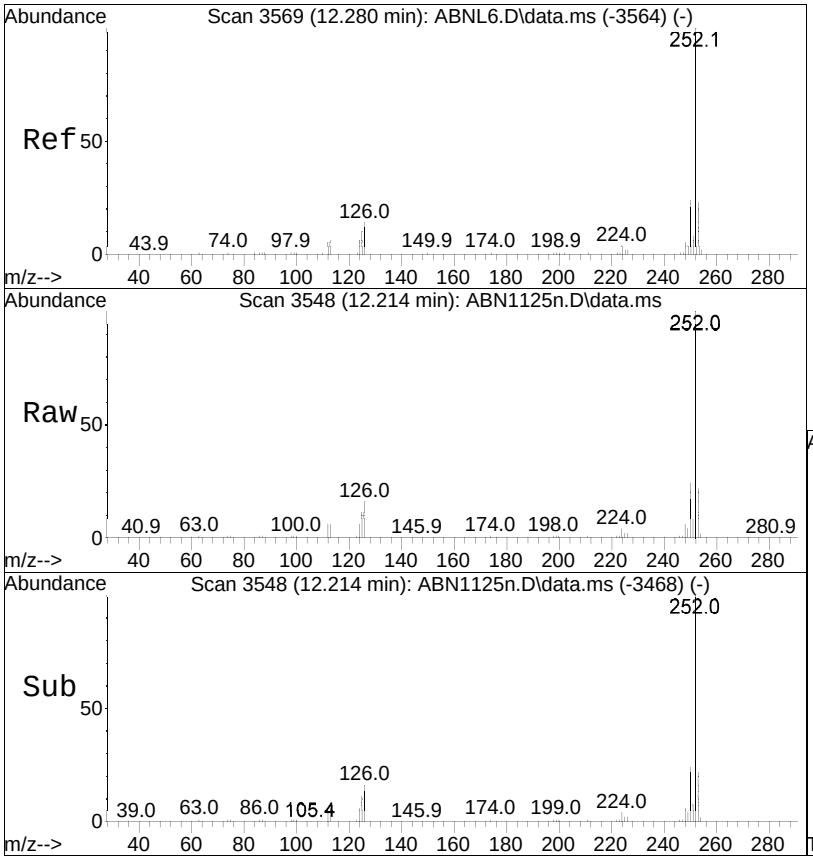


#112
Benzo(b)fluoranthene
Concen: 4.59 ug/ml
RT: 12.190 min Scan# 3540
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:252 Resp: 453070

Ion	Ratio	Lower	Upper
252	100		
125	11.2	13.3	19.9#
253	22.1	17.1	25.7

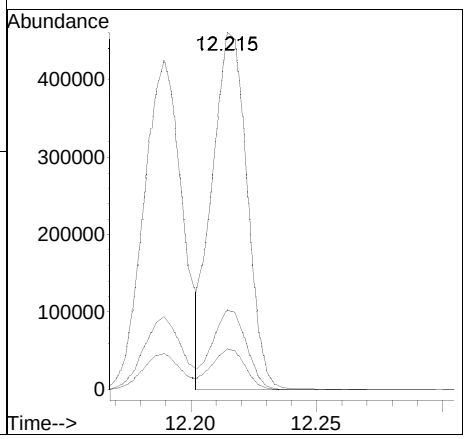


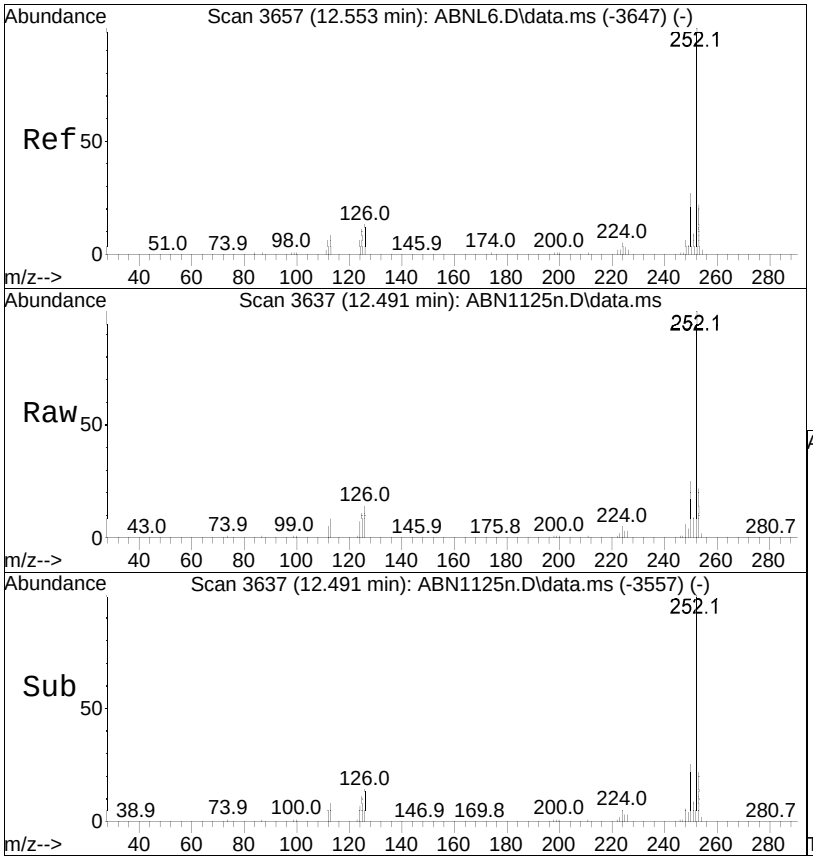


#113
Benzo(k)fluoranthene
Concen: 4.60 ug/ml
RT: 12.214 min Scan# 3548
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:252 Resp: 442198

Ion	Ratio	Lower	Upper
252	100		
125	11.2	13.0	19.6#
253	21.9	16.8	25.2

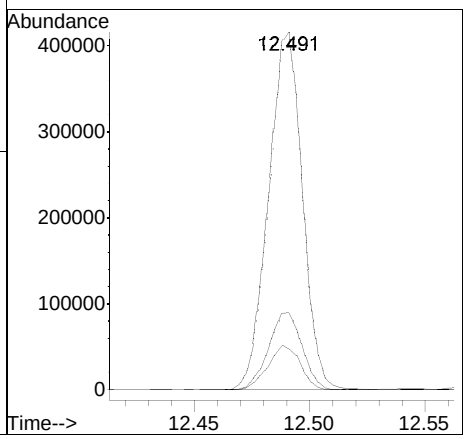


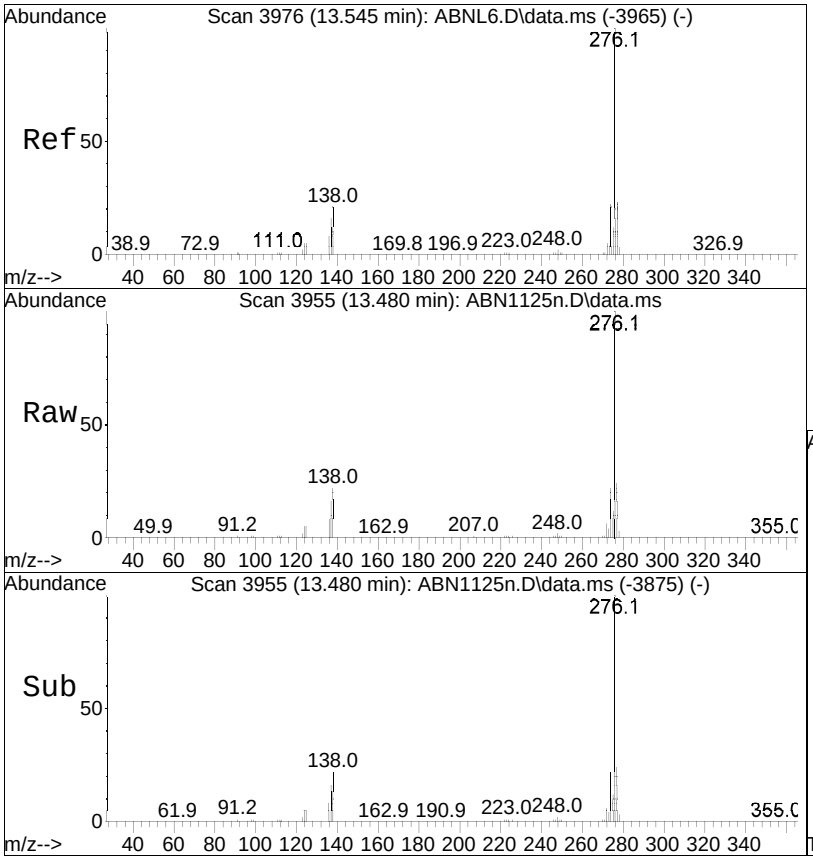


#114
Benzo(a)pyrene
Concen: 4.77 ug/ml
RT: 12.491 min Scan# 3637
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:252 Resp: 420350

Ion	Ratio	Lower	Upper
252	100		
125	12.2	14.2	21.2#
253	21.8	16.9	25.3

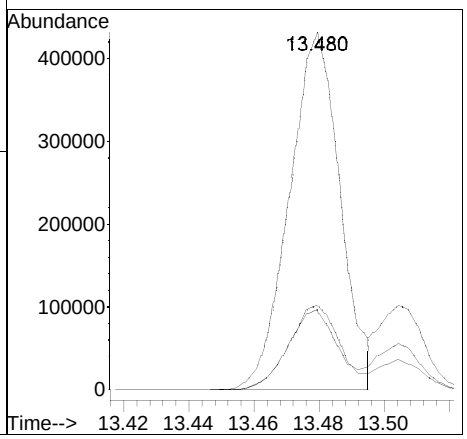


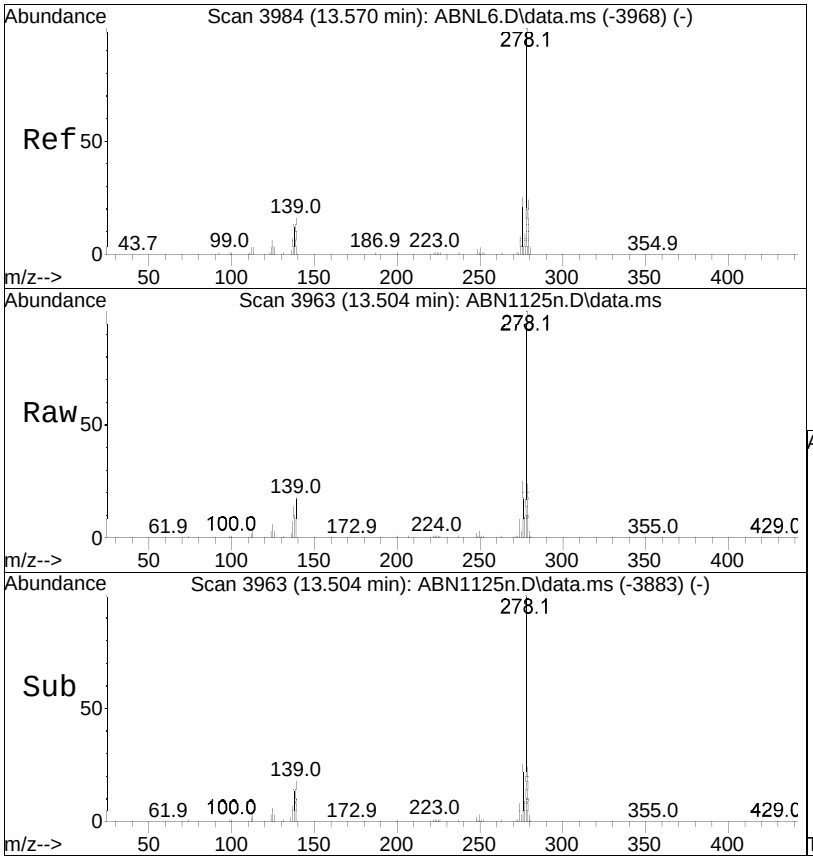


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.61 ug/mL
RT: 13.480 min Scan# 3955
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:276 Resp: 465525

Ion	Ratio	Lower	Upper
276	100		
138	22.2	25.1	37.7#
277	24.1	18.6	28.0

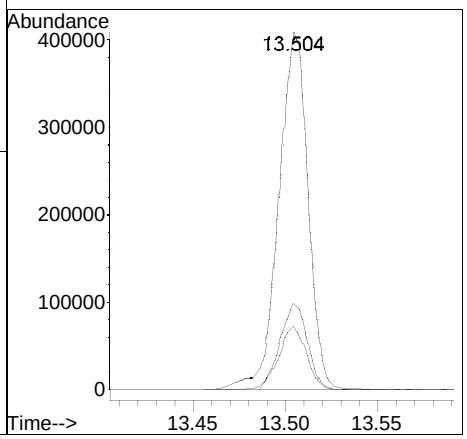


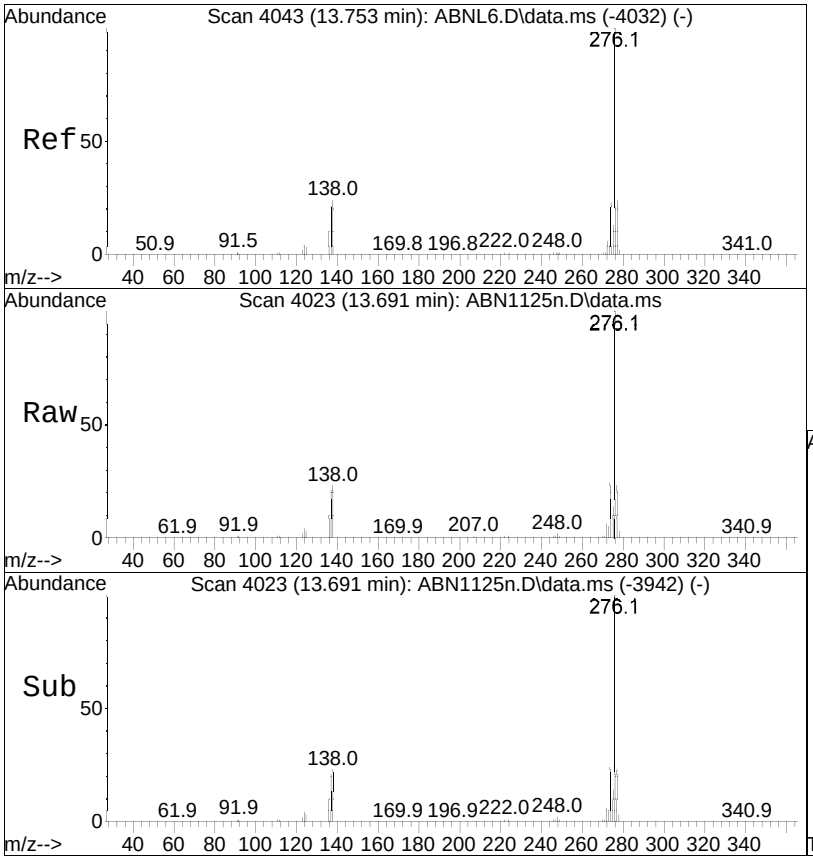


#117
Dibenzo(a,h)anthracene
Concen: 4.51 ug/ml
RT: 13.504 min Scan# 3963
Delta R.T. 0.000 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:278 Resp: 447114

Ion	Ratio	Lower	Upper
278	100		
139	16.8	20.8	31.2#
279	23.2	18.3	27.5

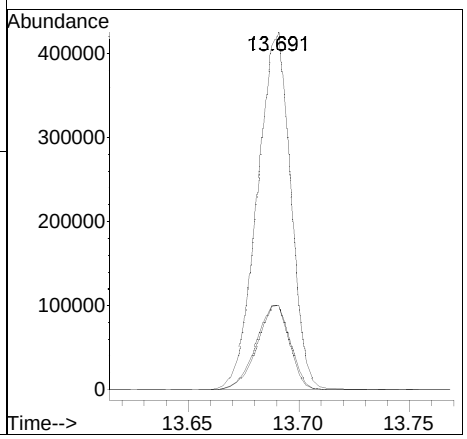




#118
Benzo(ghi)perylene
Concen: 4.54 ug/ml
RT: 13.691 min Scan# 4023
Delta R.T. 0.003 min
Lab File: ABN1125n.D
Acq: 25 Nov 2024 8:52 pm

Tgt Ion:276 Resp: 442939

Ion	Ratio	Lower	Upper
276	100		
138	23.8	29.2	43.8#
277	23.7	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\Dakota\241125NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ABN1125n.D	Operator	: Dakota:smz
Date Inj'd	: 11/25/2024 8:52 pm	Instrument	: Dakota
Sample	: wg2002259-3,32,,ABN RVT CC	Quant Date	: 11/25/2024 9:23 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241125NRVT\
Data File : AP91125n.D
Acq On : 25 Nov 2024 9:14 pm
Operator : Dakota:smz
Sample : wg2002259-4,32,,AP9 RVT CCV Lot # 11152
Misc : wg2002259,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 25 21:36:05 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:37:06 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	81	0.00
28	T	Benzaldehyde	0.703	0.802	-14.1	85	0.00
29	T	Acetophenone	1.403	1.598	-13.9	89	0.00
30	T	m-Toluidine	1.287	1.462	-13.6	90	0.00
31	T	2-Chloroaniline	1.368	1.576	-15.2	90	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	89	0.00
58	T	a-Terpineol	0.221	0.244	-10.4	93	0.00
59	T	3-Chloroaniline	0.115	0.127	-10.4	90	0.00
60	T	2,6-Dichlorophenol	0.296	0.359	-21.3#	100	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.131	-15.9	93	0.00
62	T	Caprolactam	0.123	0.155	-26.0#	109	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.410	0.7	84	0.00
64	T	Biphenyl	0.842	0.917	-8.9	91	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	91	0.00
86	T	Dichloran	0.169	0.184	-8.9	101	0.00
87	T	Pentachloronitrobenzene	0.187	0.187	0.0	94	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	97	0.00
101	T	Diphenamid	0.416	0.426	-2.4	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\Dakota\241125NRVT\
Data File : AP91125n.D
Acq On : 25 Nov 2024 9:14 pm
Operator : Dakota:smz
Sample : wg2002259-4,32,,AP9 RVT CCV Lot # 11152
Misc : wg2002259,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 25 21:36:05 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:37:06 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...	4.223	152	22985	4.000	ug/ml		0.00
57)	IS2_Naphthalene-d8	5.464	136	87939	4.000	ug/ml	#	0.00
85)	IS2_Acenaphthene-d10	7.154	164	58300	4.000	ug/ml		0.00
100)	IS2_Phenanthrene-d10	8.565	188	137960	4.000	ug/ml		0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.785	105	23034	5.698	ug/ml		98
29)	Acetophenone	4.637	105	45900	5.692	ug/ml	#	79
30)	m-Toluidine	4.724	106	42007	5.681	ug/ml		95
31)	2-Chloroaniline	5.078	127	45273	5.759	ug/ml	#	90
58)	a-Terpineol	5.532	59	26855	5.517	ug/ml	#	84
59)	3-Chloroaniline	5.547	65	13939	5.533	ug/ml		94
60)	2,6-Dichlorophenol	5.569	162	39411	6.065	ug/ml	#	83
61)	1-chloro-2-nitrobenzene	5.824	111	14449	5.793	ug/ml	#	1
62)	Caprolactam	5.861	55	17045	6.308	ug/ml	#	79
63)	1,2,4,5-Tetrachloroben...	6.331	216	45069	4.964	ug/ml	#	96
64)	Biphenyl	6.623	154	100775	5.446	ug/ml		98
86)	Dichloran	8.280	206	13415	5.447	ug/ml	#	60
87)	Pentachloronitrobenzene	8.426	237	13631	5.013	ug/ml	#	80
101)	Diphenamid	9.479	167	73505	5.124	ug/ml	#	78

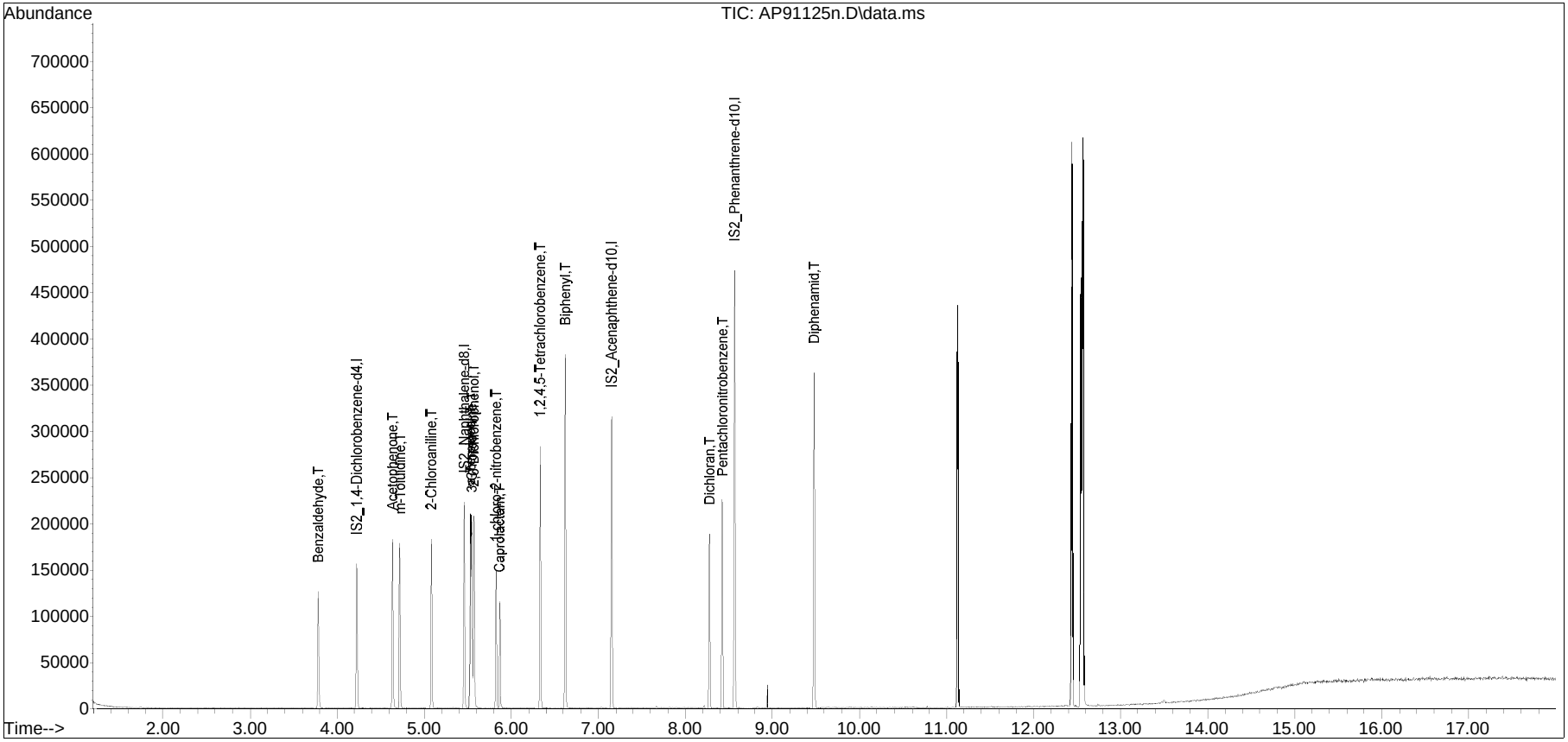
(#) = qualifier out of range (m) = manual integration (+) = signals summed

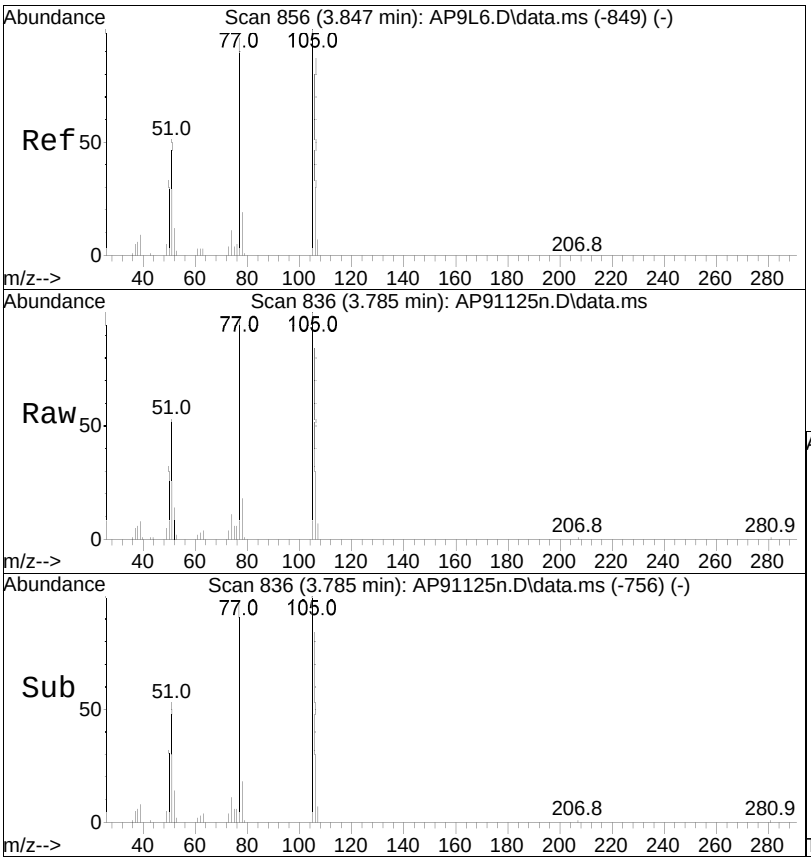
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : AP91125n.D
Acq On : 25 Nov 2024 9:14 pm
Operator : Dakota:smz
Sample : wg2002259-4,32,,AP9 RVT CCV Lot # 11152
Misc : wg2002259,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 25 21:36:05 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:37:06 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

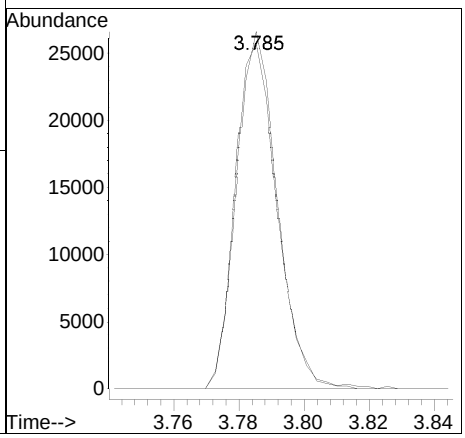


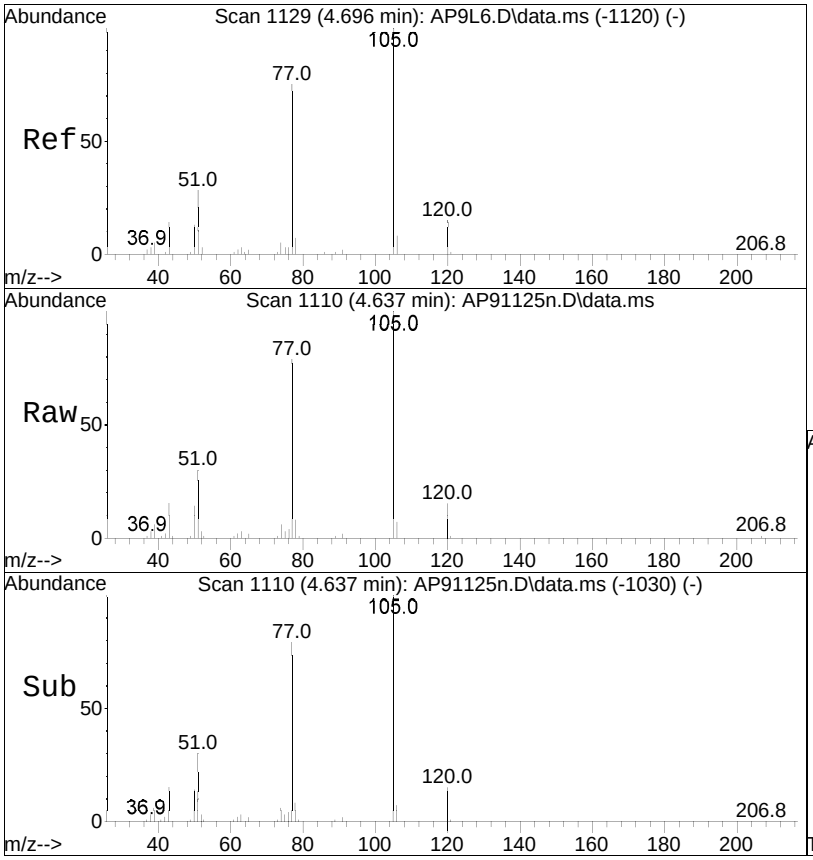


#28
Benzaldehyde
Concen: 5.70 ug/ml
RT: 3.785 min Scan# 836
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:105 Resp: 23034

Ion	Ratio	Lower	Upper
105	100		
77	100.3	82.2	123.4

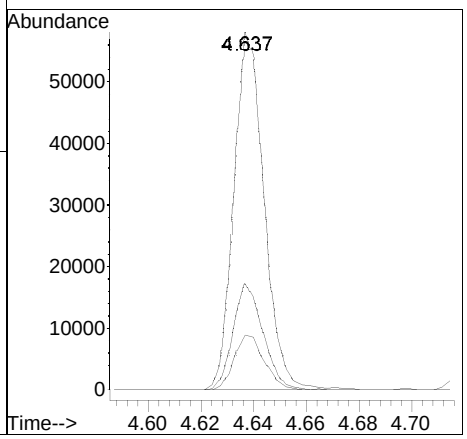


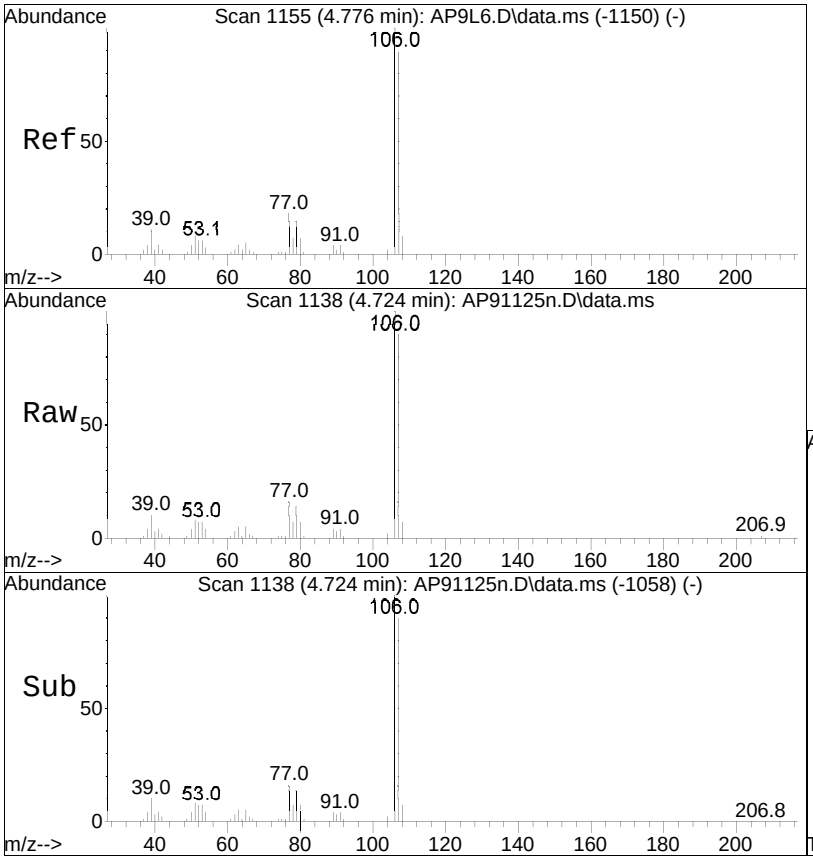


#29
Acetophenone
Concen: 5.69 ug/ml
RT: 4.637 min Scan# 1110
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:105 Resp: 45900

Ion	Ratio	Lower	Upper
105	100		
120	15.2	20.5	30.7#
51	29.6	34.9	52.3#

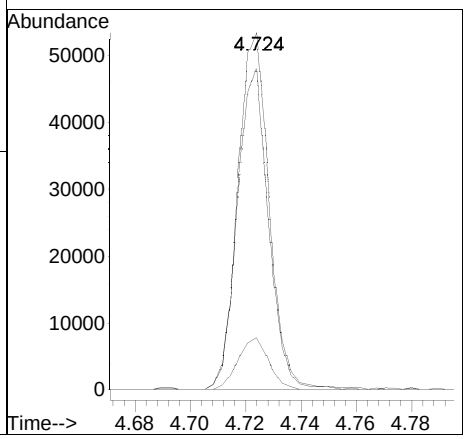


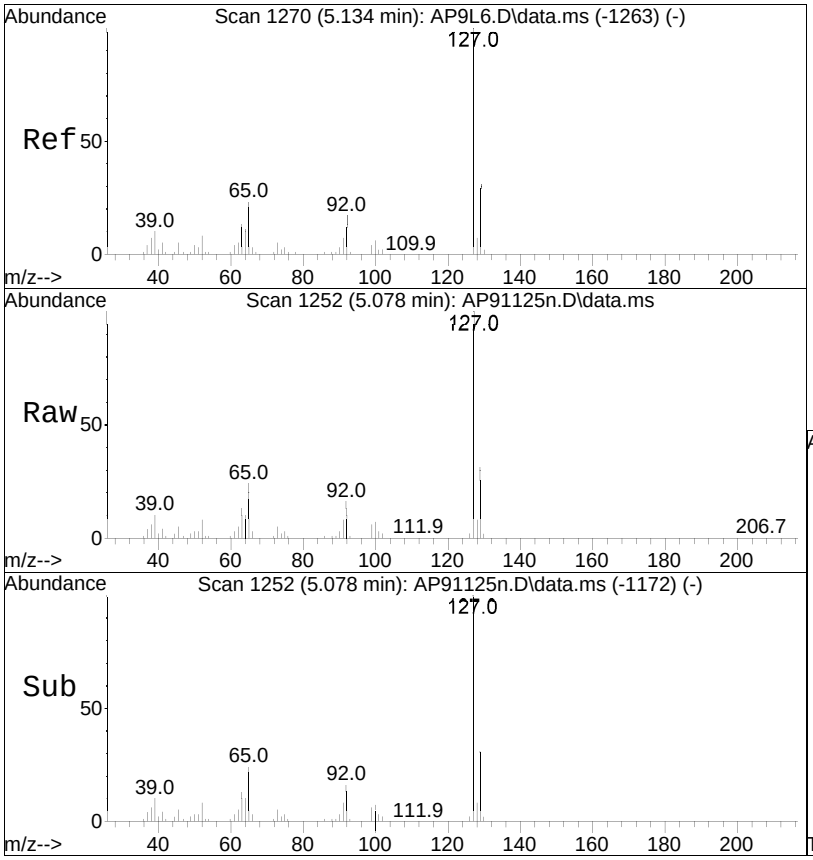


#30
m-Toluidine
Concen: 5.68 ug/ml
RT: 4.724 min Scan# 1138
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:106 Resp: 42007

Ion	Ratio	Lower	Upper
106	100		
107	89.1	75.7	113.5
79	14.2	11.8	17.8

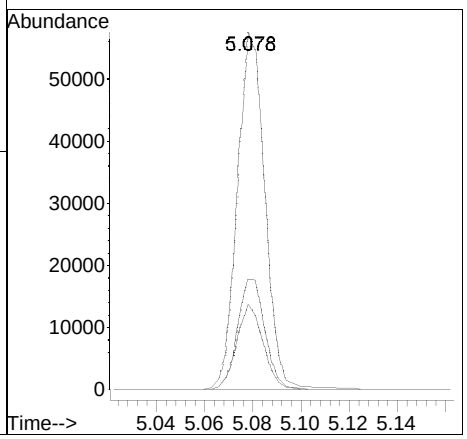


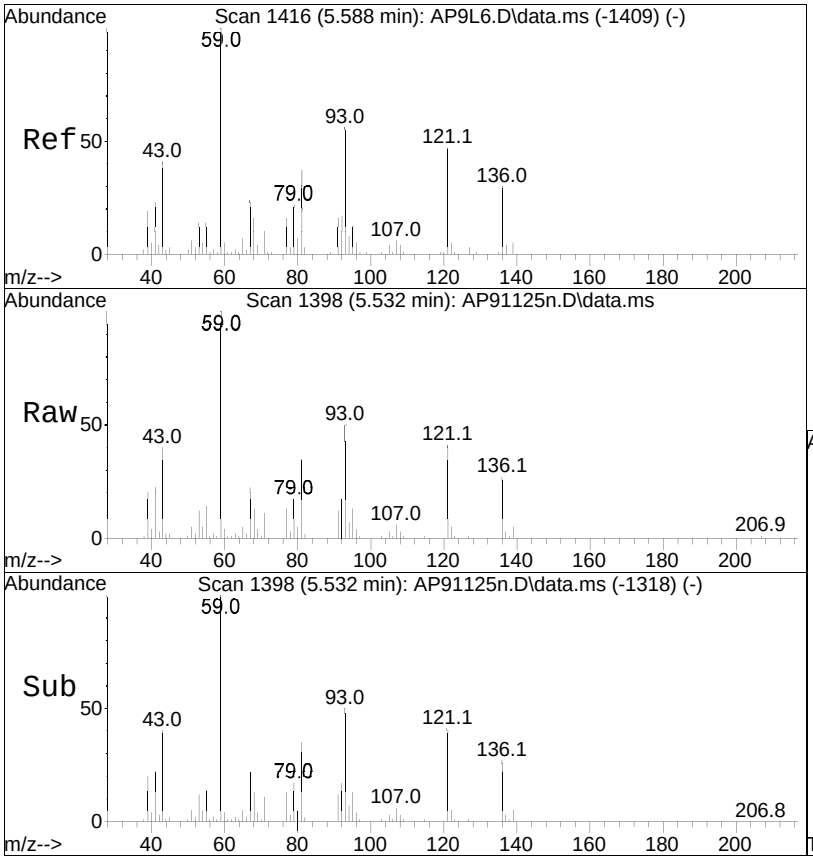


#31
2-Chloroaniline
Concen: 5.76 ug/ml
RT: 5.078 min Scan# 1252
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:127 Resp: 45273

Ion	Ratio	Lower	Upper
127	100		
129	30.7	25.9	38.9
65	23.1	26.3	39.5#

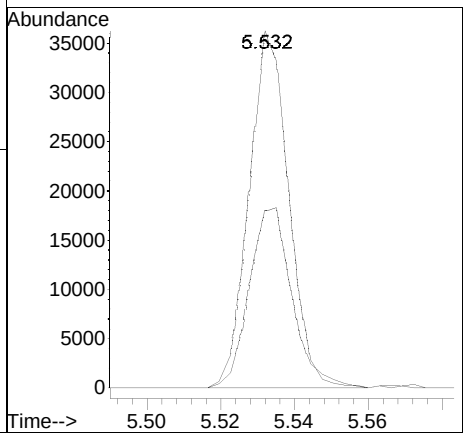


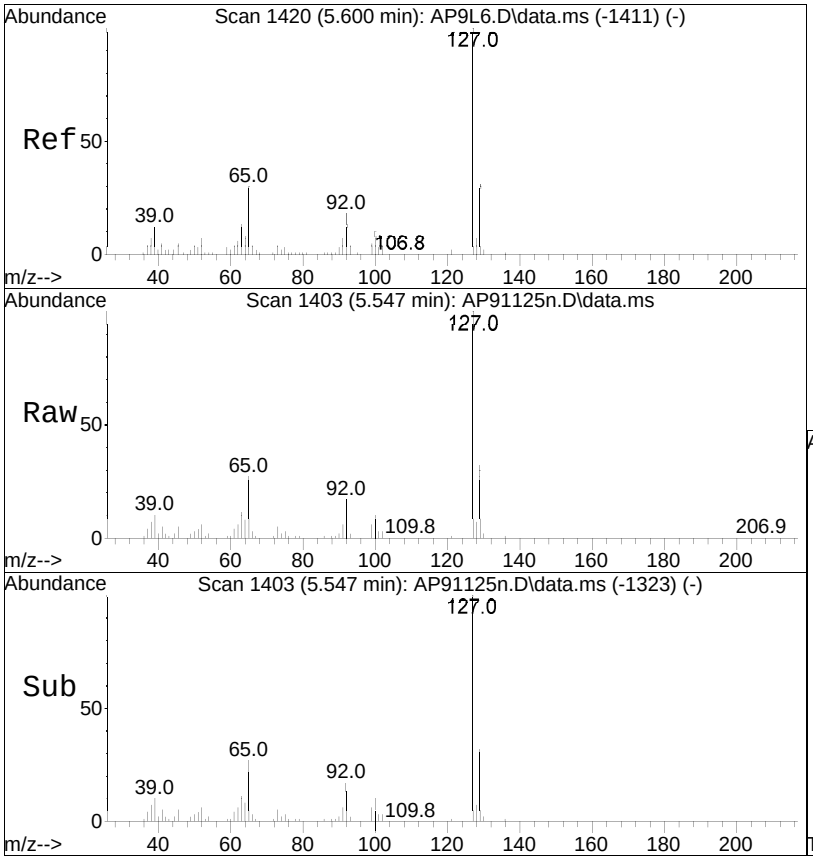


#58
a-Terpineol
Concen: 5.52 ug/ml
RT: 5.532 min Scan# 1398
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion: 59 Resp: 26855

Ion	Ratio	Lower	Upper
59	100		
93	54.6	35.6	53.4#

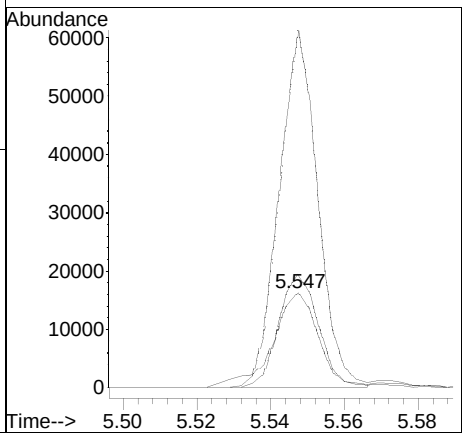


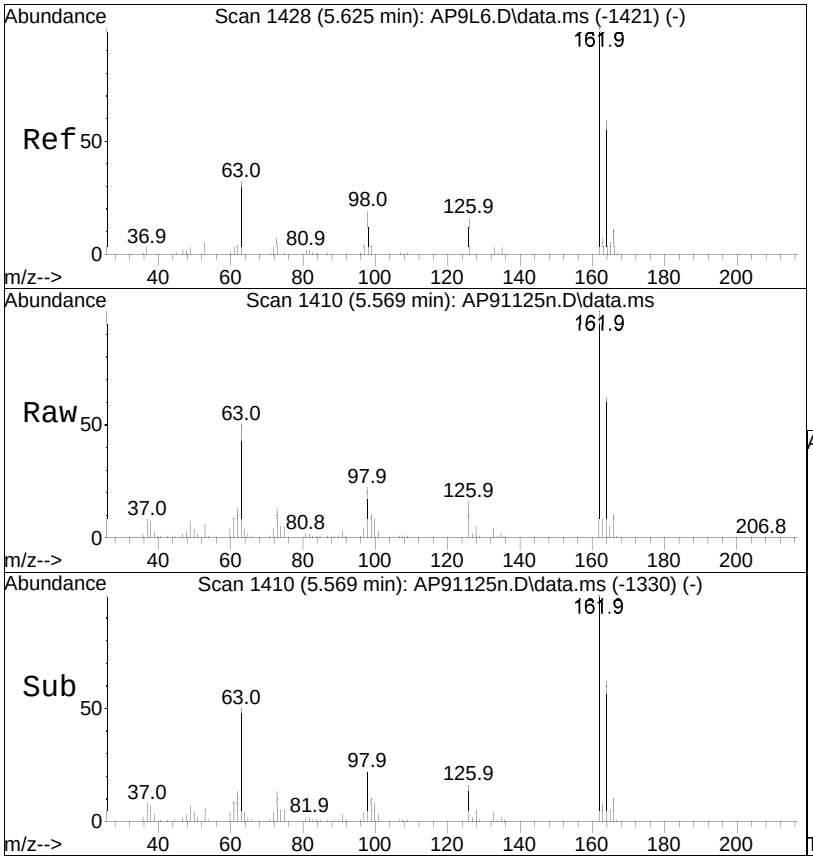


#59
3-Chloroaniline
Concen: 5.53 ug/ml
RT: 5.547 min Scan# 1403
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion: 65 Resp: 13939

Ion	Ratio	Lower	Upper
65	100		
127	315.5	243.2	364.8
129	105.7	78.8	118.2

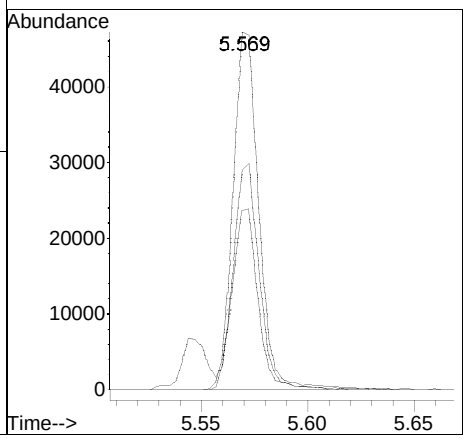


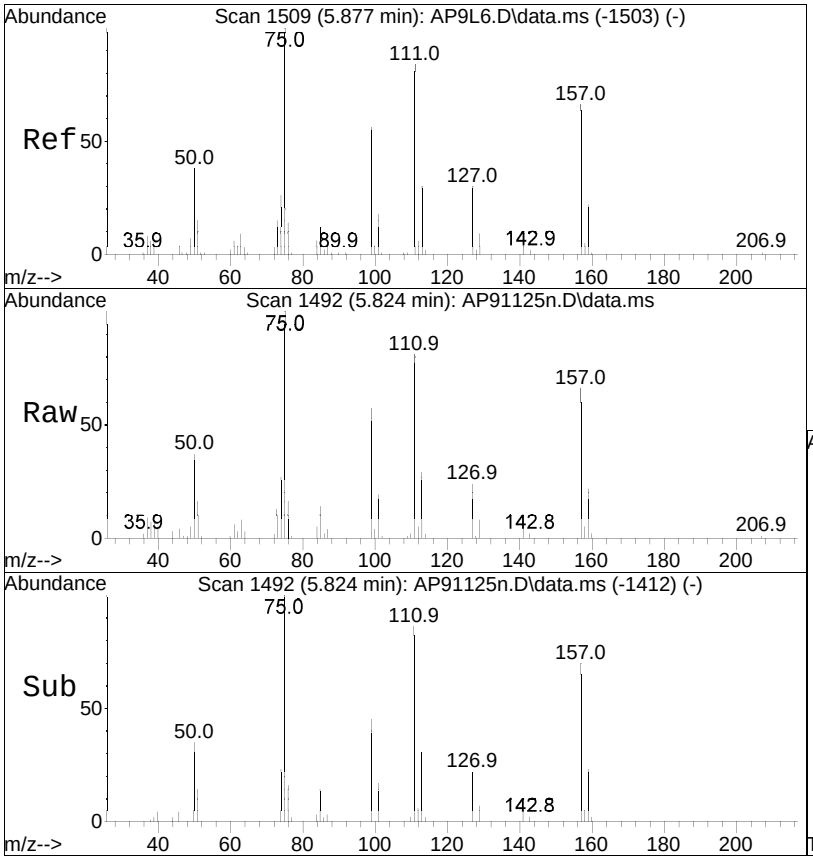


#60
2,6-Dichlorophenol
Concen: 6.07 ug/ml
RT: 5.569 min Scan# 1410
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:162 Resp: 39411

Ion	Ratio	Lower	Upper
162	100		
164	63.3	51.1	76.7
63	49.6	60.8	91.2#

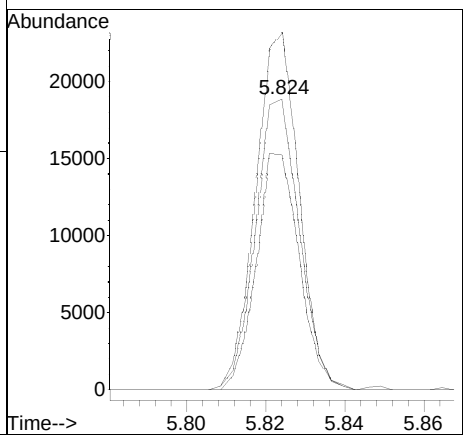


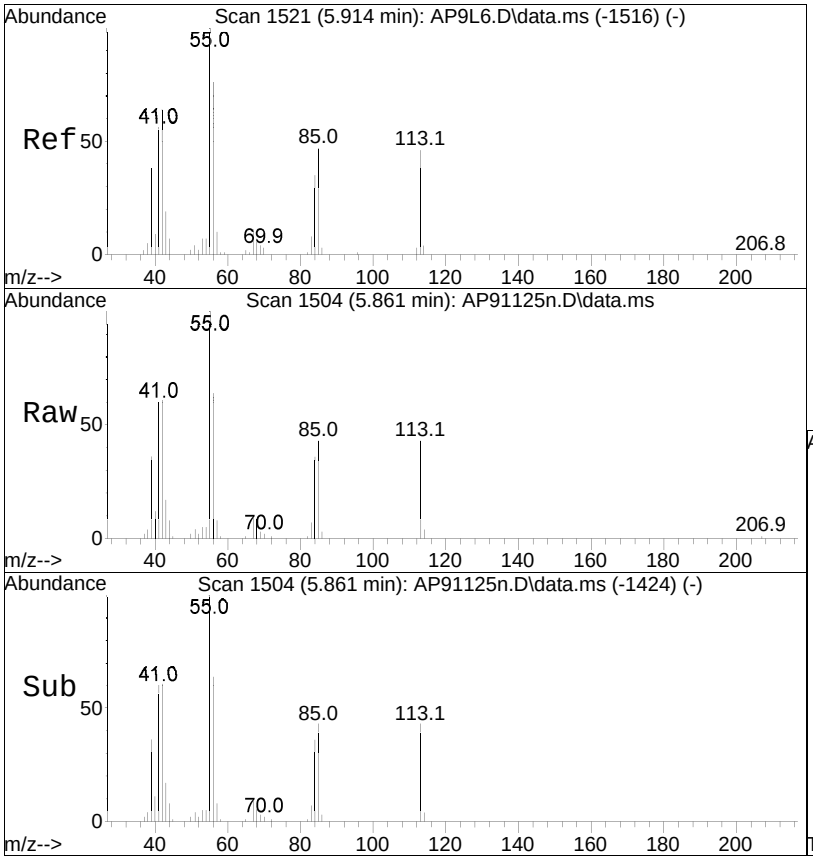


#61
1-chloro-2-nitrobenzene
Concen: 5.79 ug/ml
RT: 5.824 min Scan# 1492
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:111 Resp: 14449

Ion	Ratio	Lower	Upper
111	100		
157	79.9	0.0	0.0#
75	121.3	28.2	42.2#

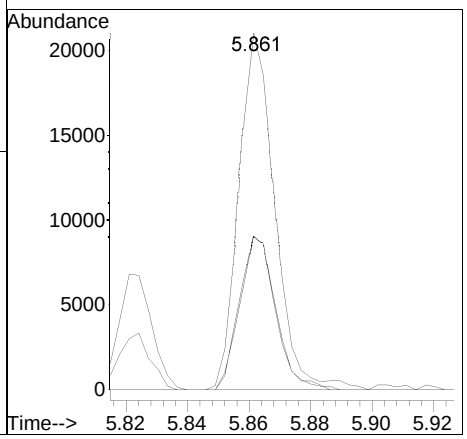


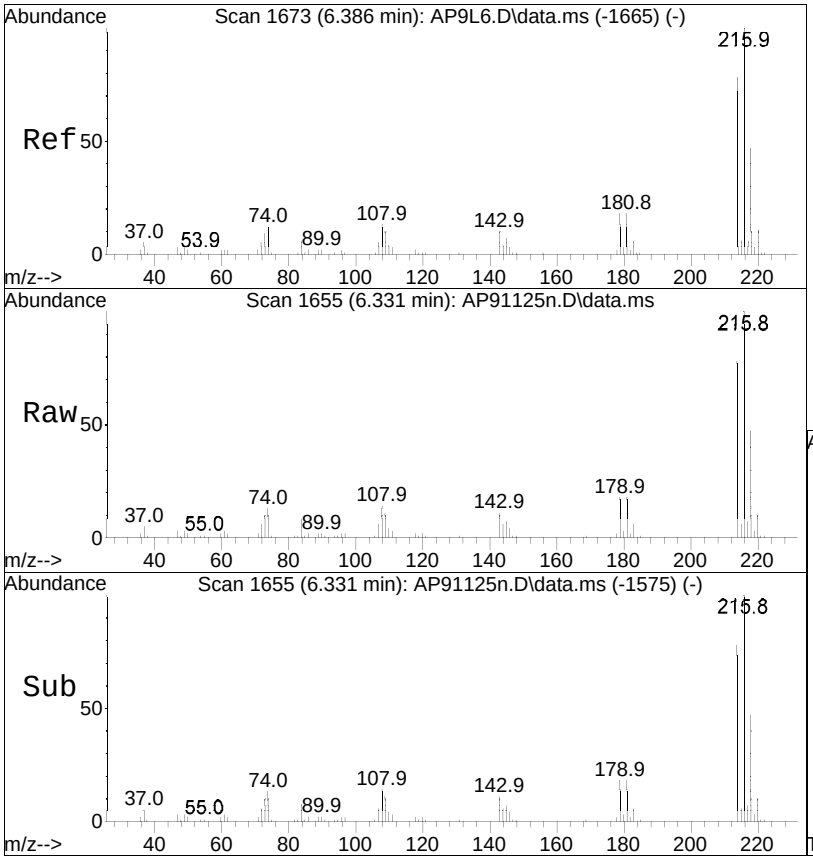


#62
Caprolactam
Concen: 6.31 ug/ml
RT: 5.861 min Scan# 1504
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion: 55 Resp: 17045

Ion	Ratio	Lower	Upper
55	100		
85	43.1	19.8	29.6#
113	43.1	29.6	44.4

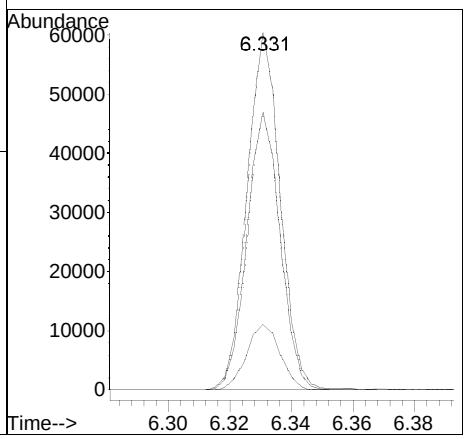


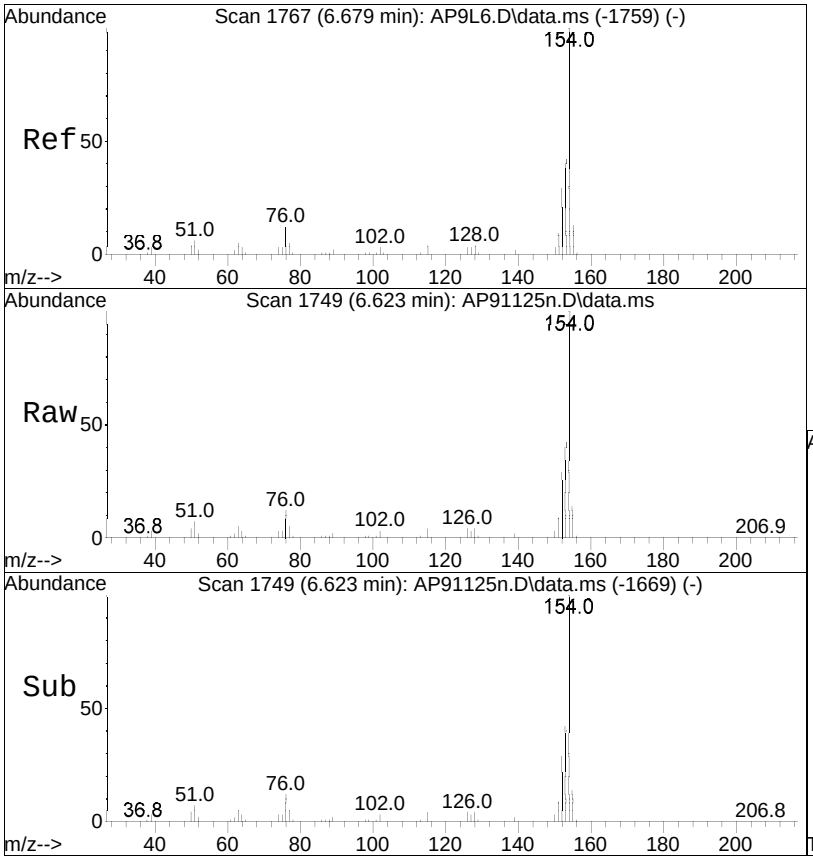


#63
1,2,4,5-Tetrachlorobenzene
Concen: 4.96 ug/ml
RT: 6.331 min Scan# 1655
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:216 Resp: 45069

Ion	Ratio	Lower	Upper
216	100		
214	77.6	63.7	95.5
179	18.7	19.0	28.6#

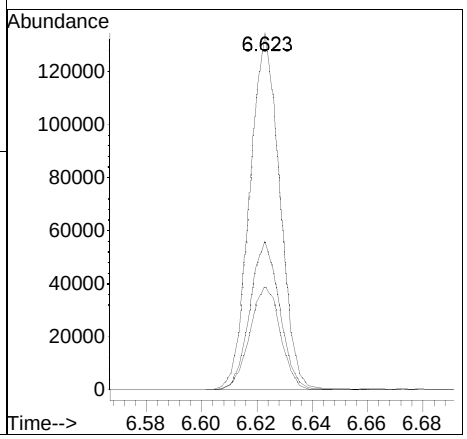


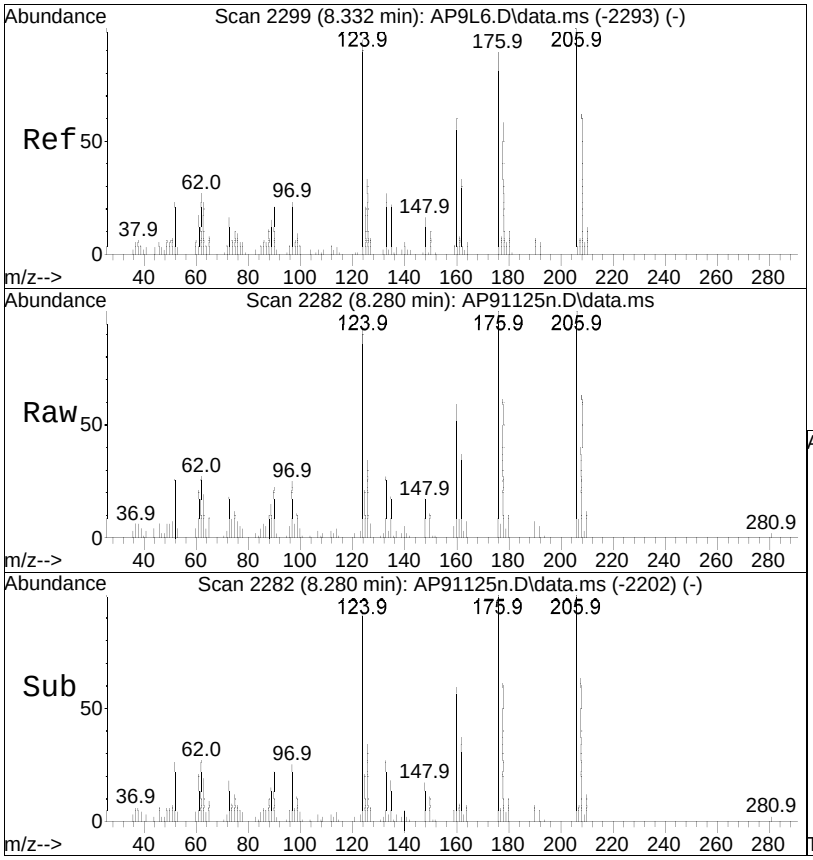


#64
Biphenyl
Concen: 5.45 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:154 Resp: 100775

Ion	Ratio	Lower	Upper
154	100		
153	41.4	32.3	48.5
152	29.8	22.5	33.7

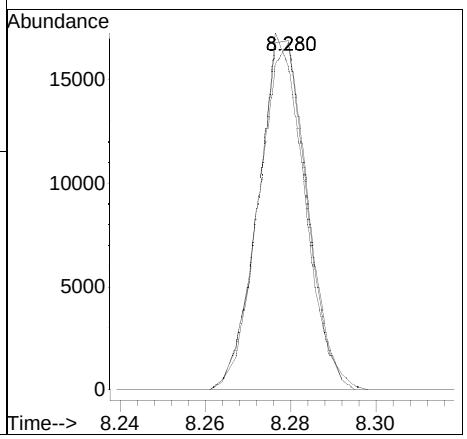


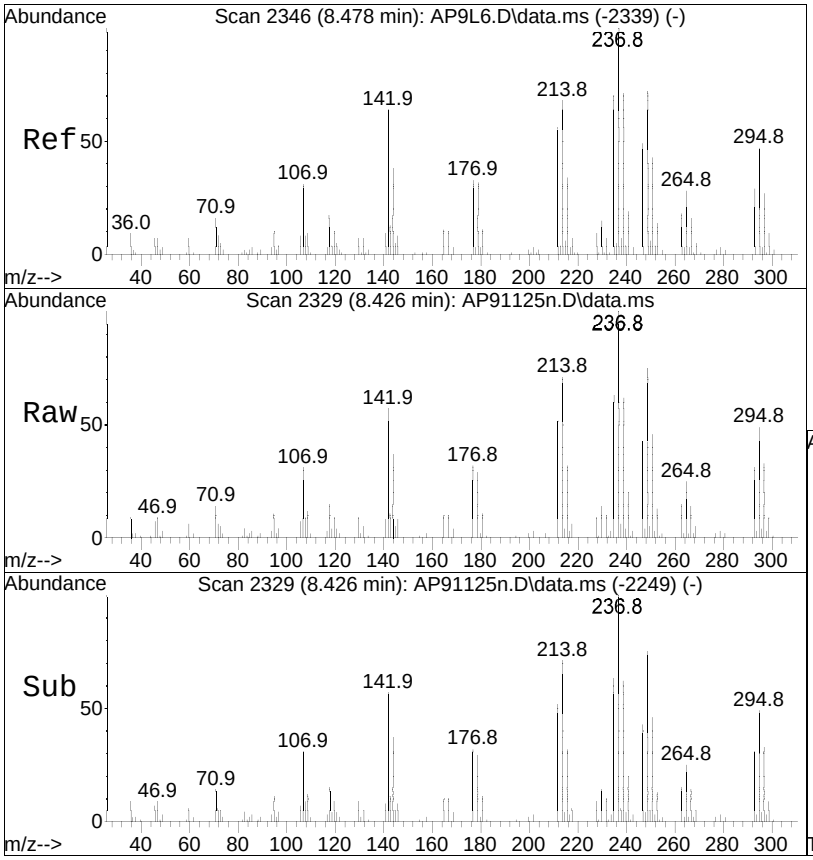


#86
Dichloran
Concen: 5.45 ug/ml
RT: 8.280 min Scan# 2282
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:206 Resp: 13415

Ion	Ratio	Lower	Upper
206	100		
176	98.3	104.6	157.0#
124	96.2	130.5	195.7#

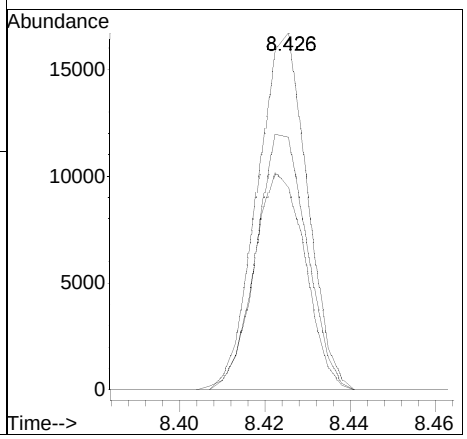


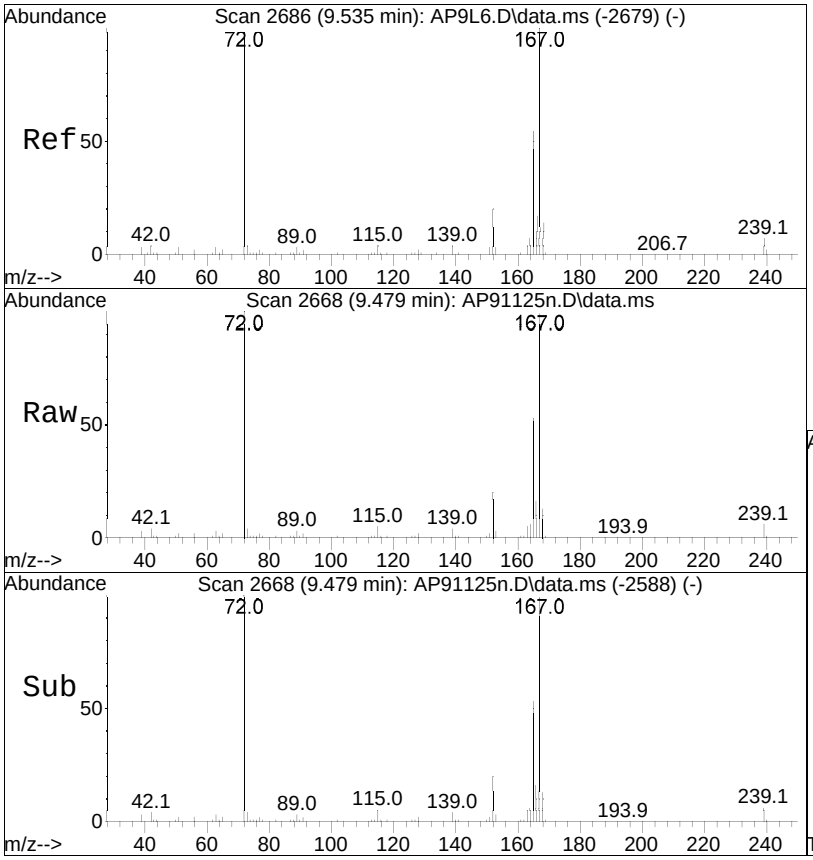


#87
Pentachloronitrobenzene
Concen: 5.01 ug/ml
RT: 8.426 min Scan# 2329
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:237 Resp: 13631

Ion	Ratio	Lower	Upper
237	100		
142	62.8	77.0	115.4#
214	72.6	58.2	87.4

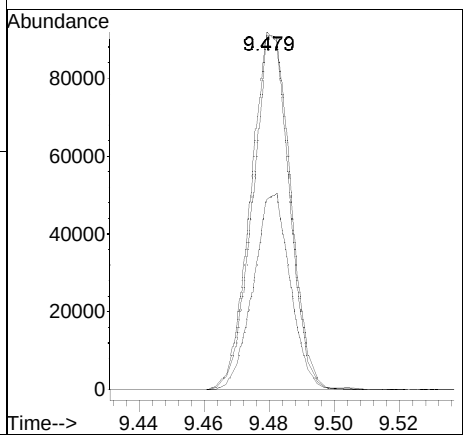




#101
Diphenamid
Concen: 5.12 ug/ml
RT: 9.479 min Scan# 2668
Delta R.T. 0.000 min
Lab File: AP91125n.D
Acq: 25 Nov 2024 9:14 pm

Tgt Ion:167 Resp: 73505

Ion	Ratio	Lower	Upper
167	100		
72	101.5	109.7	164.5#
165	54.4	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241125NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP91125n.D	Operator	: Dakota:smz
Date Inj'd	: 11/25/2024 9:14 pm	Instrument	: Dakota
Sample	: wg2002259-4,32,,AP9 RVT CC	Quant Date	: 11/25/2024 9:37 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241125NRVT\
Data File : ADP1125n.D
Acq On : 25 Nov 2024 9:37 pm
Operator : Dakota:smz
Sample : wg2002259-5,32,,ADP RVT CCV Lot # 11153
Misc : wg2002259,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 25 21:55:53 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:58 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	79	0.00
33	T	1,4-Dioxane		0.381	0.394	-3.4	77	0.00
35	T	n-Decane		1.048	1.089	-3.9	78	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	89	0.00
89	T	Atrazine		0.343	0.341	0.6	89	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	94	0.00
103	T	n-Octadecane		0.334	0.337	-0.9	95	0.00
104	T	Parathion	*	5.000	4.682	6.4	99	0.00
105	T	3,3'-Dimethylbenzidine		0.728	0.731	-0.4	106	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\241125NRVT\
Data File : ADP1125n.D
Acq On : 25 Nov 2024 9:37 pm
Operator : Dakota:smz
Sample : wg2002259-5,32,,ADP RVT CCV Lot # 11153
Misc : wg2002259,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 25 21:55:53 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:58 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...	4.223	152	21373	4.000	ug/ml	0.00
88) IS3_Acenaphthene-d10	7.151	164	54188	4.000	ug/ml	0.00
102) IS3_Phenanthrene-d10	8.565	188	126143	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.327	88	10537	5.177	ug/ml#	78
35) n-Decane	4.130	57	29092	5.194	ug/ml#	30
89) Atrazine	8.370	200	23069	4.963	ug/ml	92
103) n-Octadecane	8.581	57	53101	5.046	ug/ml#	1
104) Parathion	9.364	109	12243	4.682	ug/ml	90
105) 3,3'-Dimethylbenzidine	10.604	212	115250	5.019	ug/ml	99

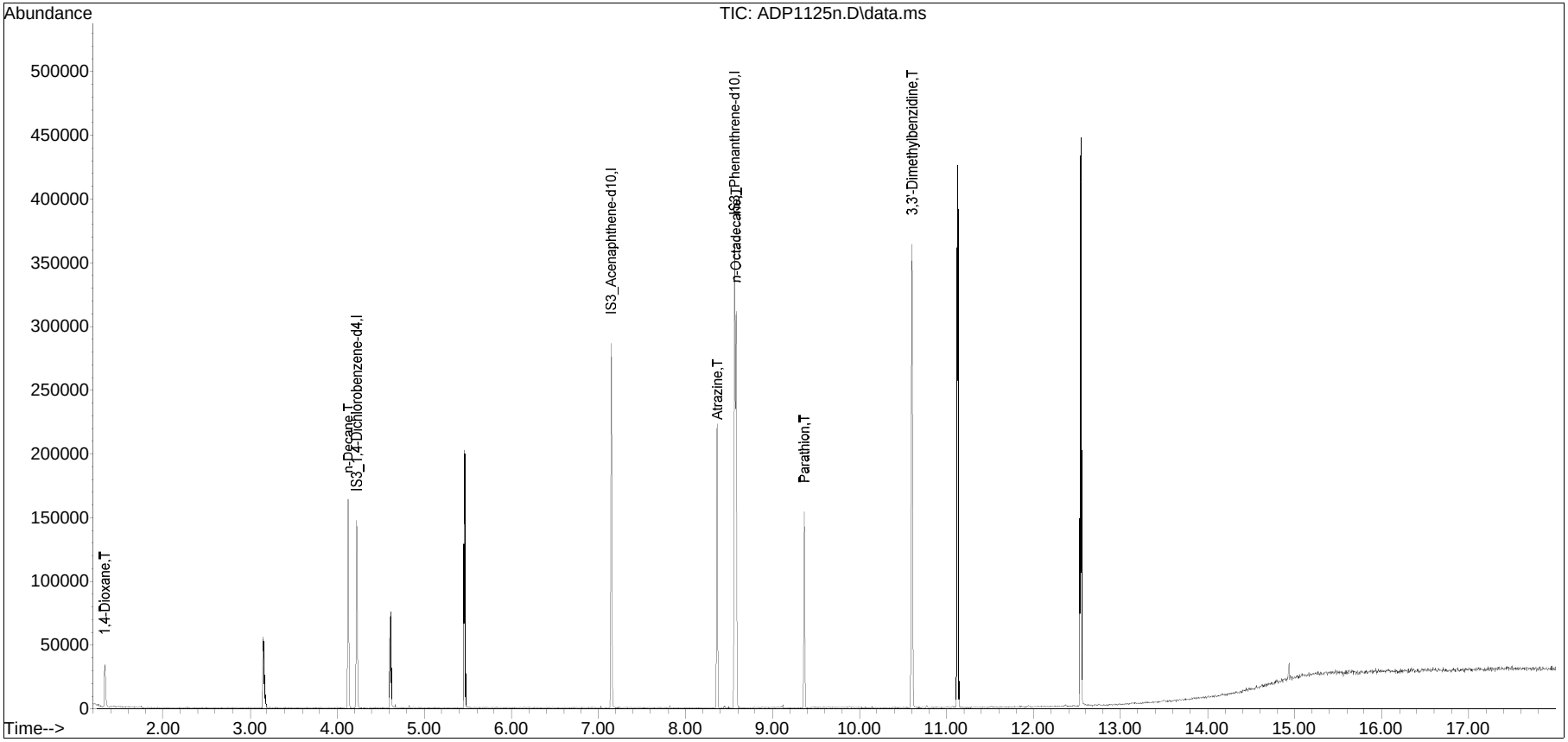
(#) = qualifier out of range (m) = manual integration (+) = signals summed

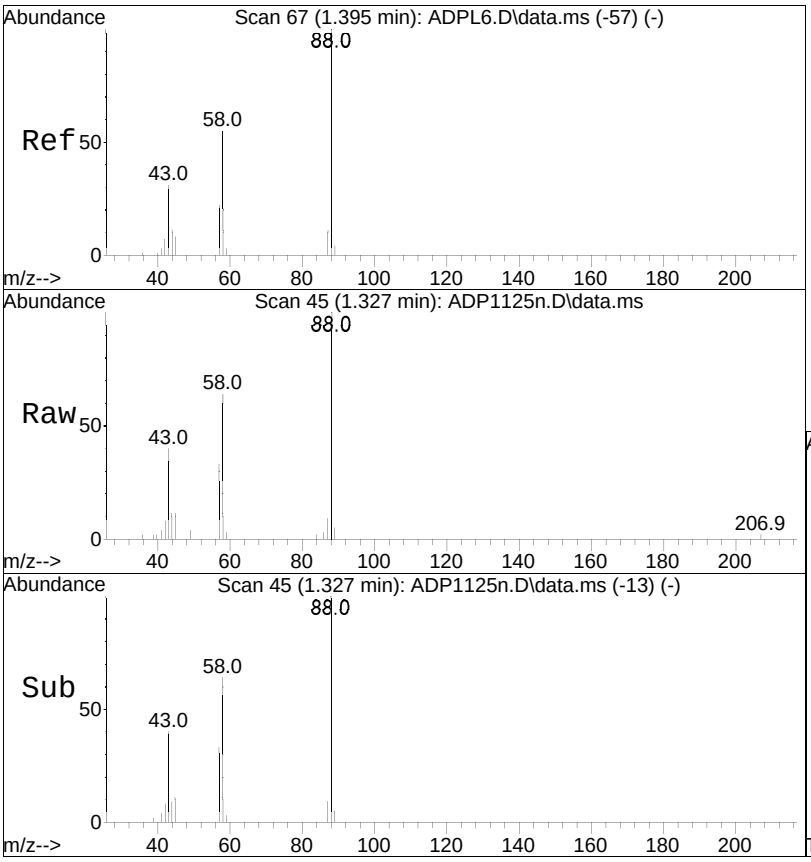
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : ADP1125n.D
Acq On : 25 Nov 2024 9:37 pm
Operator : Dakota:smz
Sample : wg2002259-5,32,,ADP RVT CCV Lot # 11153
Misc : wg2002259,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 25 21:55:53 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:58 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

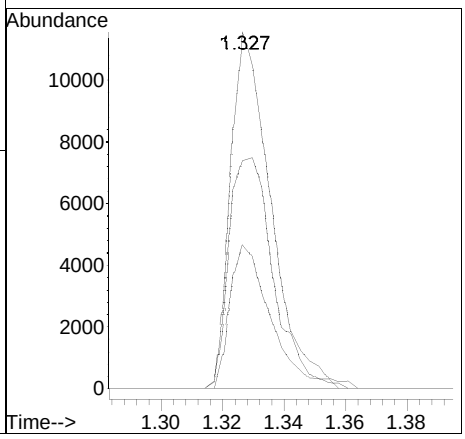


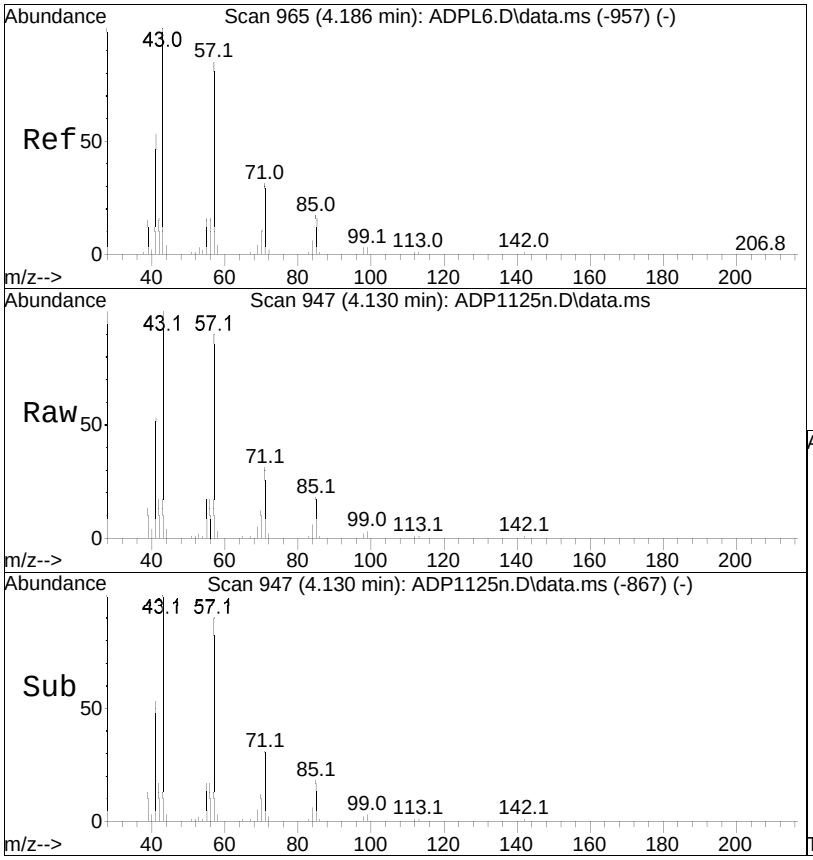


#33
1,4-Dioxane
Concen: 5.18 ug/ml
RT: 1.327 min Scan# 45
Delta R.T. 0.000 min
Lab File: ADP1125n.D
Acq: 25 Nov 2024 9:37 pm

Tgt Ion: 88 Resp: 10537

Ion	Ratio	Lower	Upper
88	100		
58	70.8	44.8	67.2#
43	40.7	22.4	33.6#

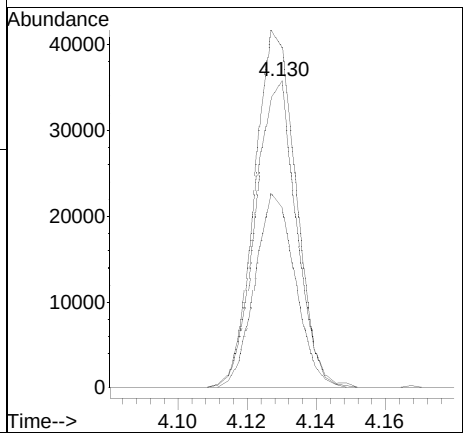


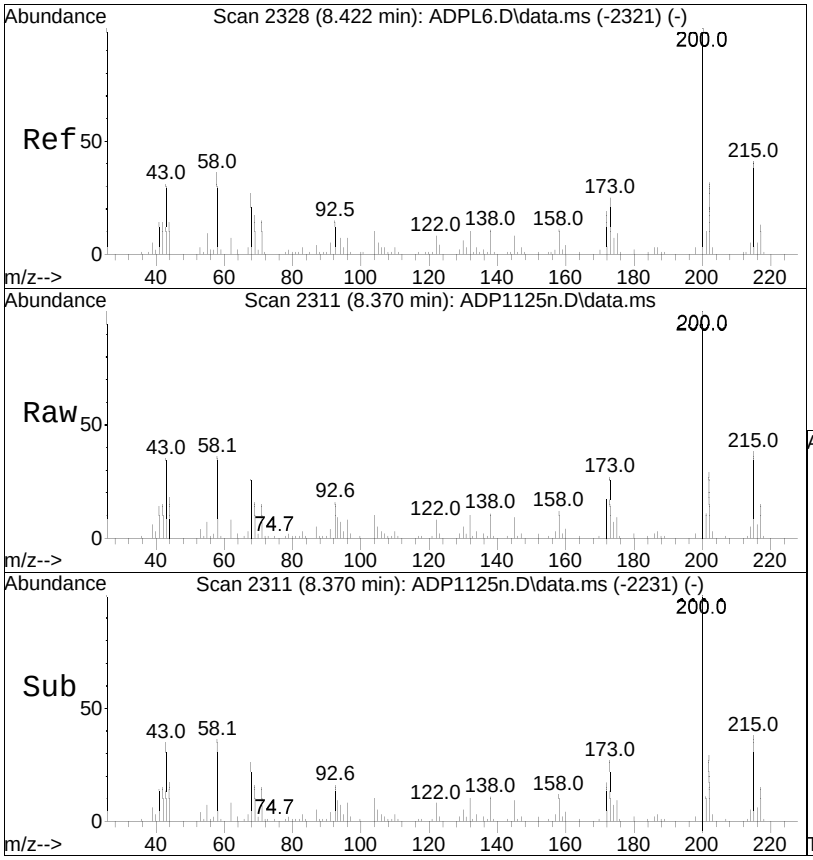


#35
n-Decane
Concen: 5.19 ug/ml
RT: 4.130 min Scan# 947
Delta R.T. 0.000 min
Lab File: ADP1125n.D
Acq: 25 Nov 2024 9:37 pm

Tgt Ion: 57 Resp: 29092

Ion	Ratio	Lower	Upper
57	100		
43	118.2	0.2	0.2#
41	62.9	0.2	0.2#

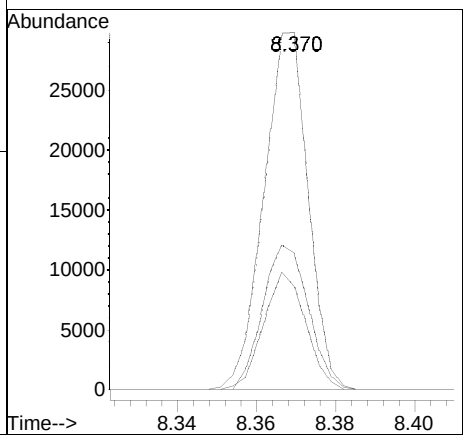


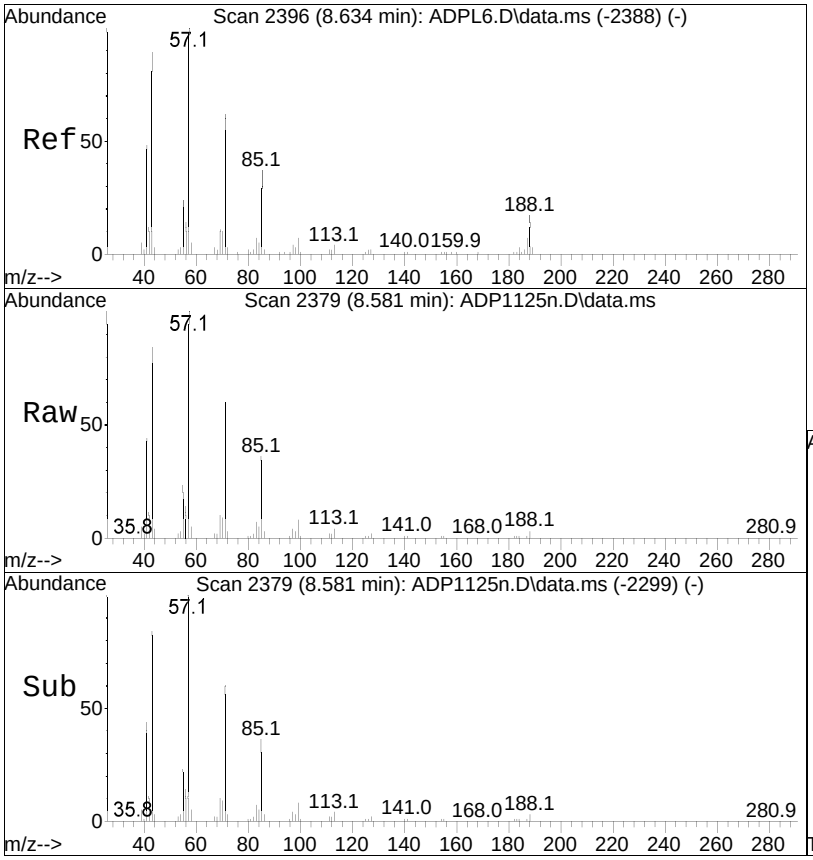


#89
Atrazine
Concen: 4.96 ug/ml
RT: 8.370 min Scan# 2311
Delta R.T. 0.000 min
Lab File: ADP1125n.D
Acq: 25 Nov 2024 9:37 pm

Tgt Ion:200 Resp: 23069

Ion	Ratio	Lower	Upper
200	100		
202	31.3	25.8	38.6
215	41.8	40.2	60.4

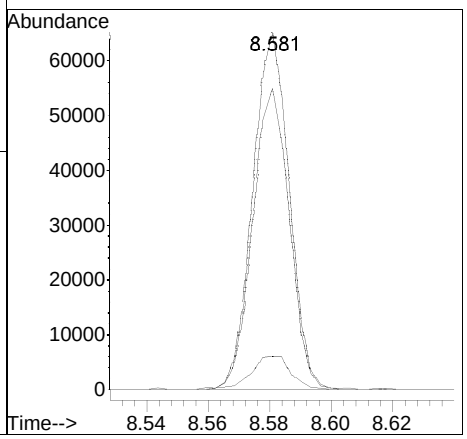


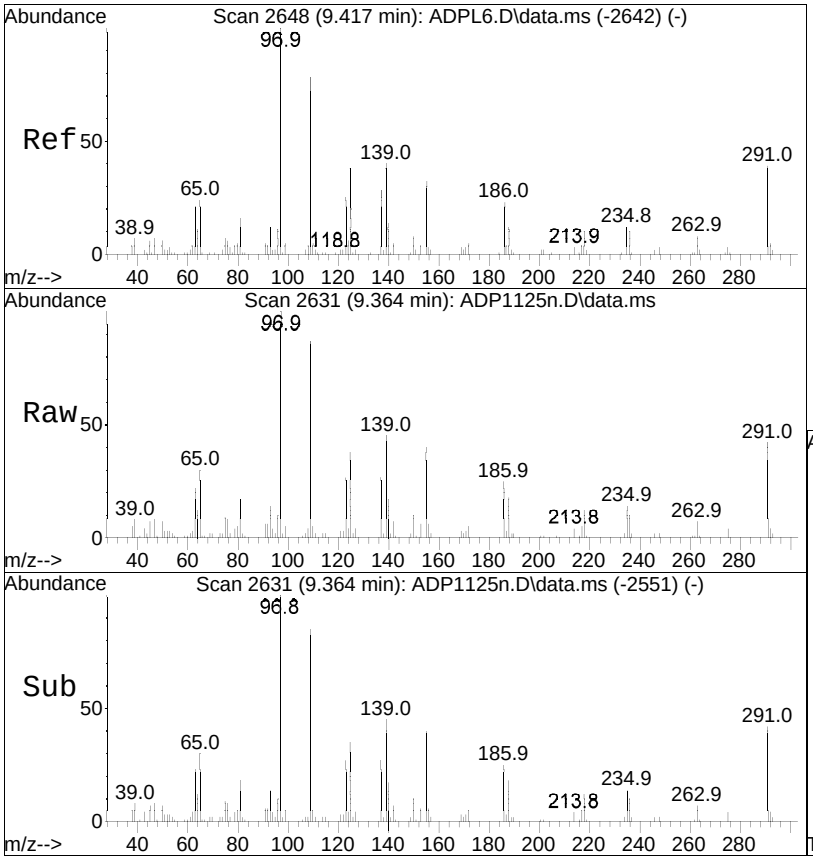


#103
n-Octadecane
Concen: 5.05 ug/ml
RT: 8.581 min Scan# 2379
Delta R.T. 0.000 min
Lab File: ADP1125n.D
Acq: 25 Nov 2024 9:37 pm

Tgt Ion: 57 Resp: 53101

Ion	Ratio	Lower	Upper
57	100		
43	84.8	9.0	13.6#
70	10.2	0.2	0.2#

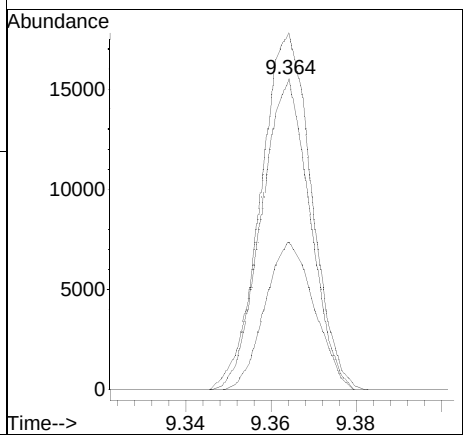


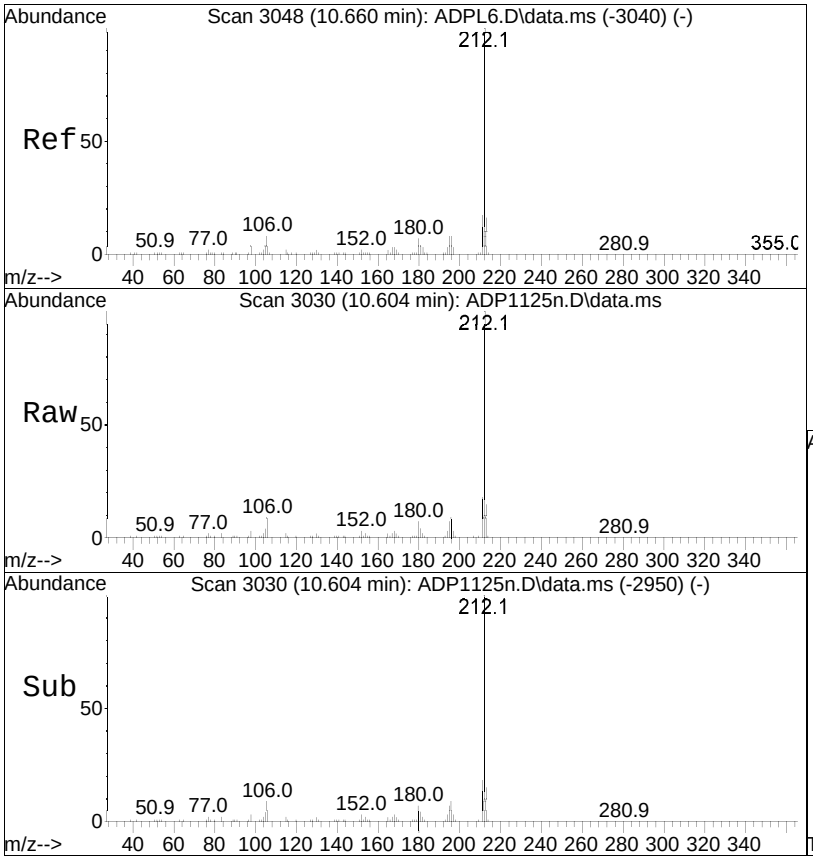


#104
Parathion
Concen: 4.68 ug/ml
RT: 9.364 min Scan# 2631
Delta R.T. 0.000 min
Lab File: ADP1125n.D
Acq: 25 Nov 2024 9:37 pm

Tgt Ion:109 Resp: 12243

Ion	Ratio	Lower	Upper
109	100		
97	119.7	87.4	131.2
291	48.2	34.2	51.2

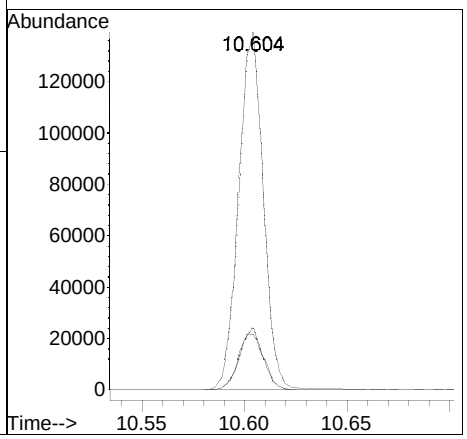




#105
3,3'-Dimethylbenzidine
Concen: 5.02 ug/ml
RT: 10.604 min Scan# 3030
Delta R.T. 0.000 min
Lab File: ADP1125n.D
Acq: 25 Nov 2024 9:37 pm

Tgt Ion:212 Resp: 115250

Ion	Ratio	Lower	Upper
212	100		
211	16.8	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

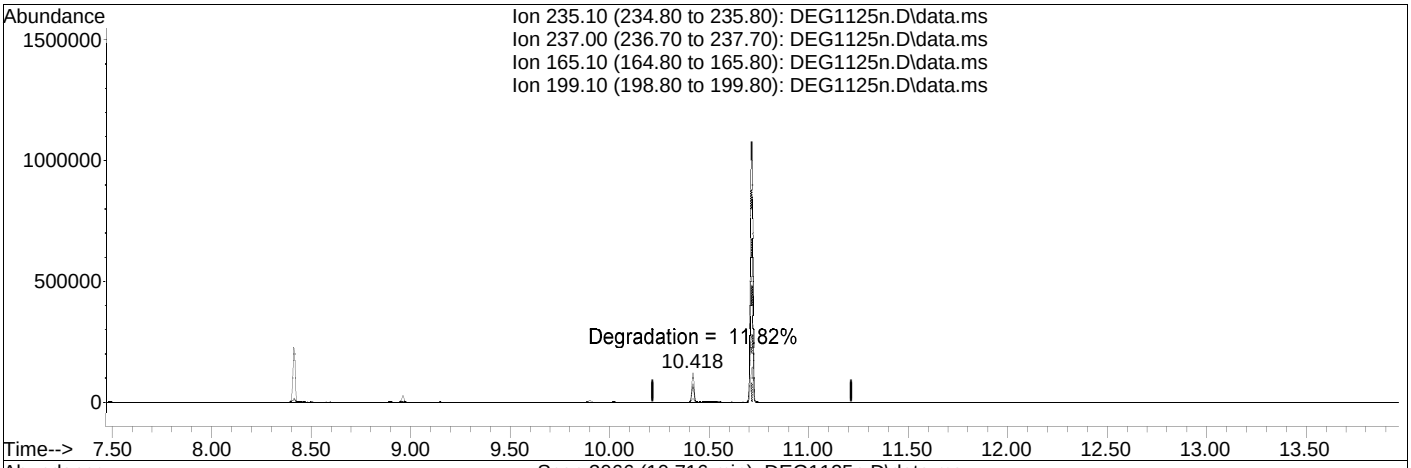
Data Path	: I:\8270\Dakota\241125NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP1125n.D	Operator	: Dakota:smz
Date Inj'd	: 11/25/2024 9:37 pm	Instrument	: Dakota
Sample	: wg2002259-5,32,,ADP RVT CC	Quant Date	: 11/25/2024 9:57 pm

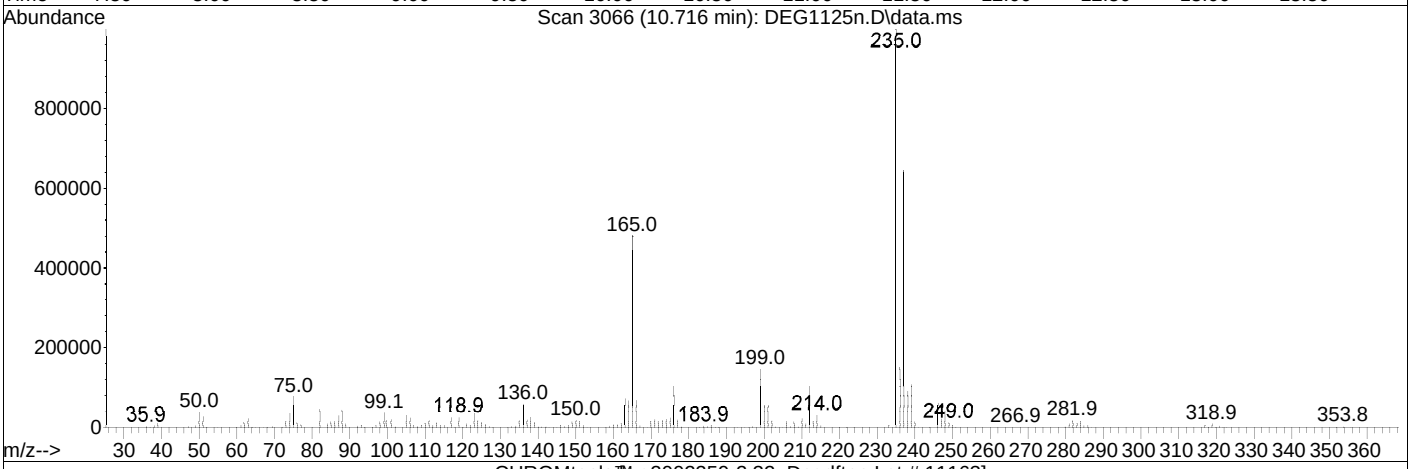
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : DEG1125n.D
Acq On : 25 Nov 2024 8:29 pm
Operator : Dakota:smz
Sample : wg2002259-2,32,,Degdftpp Lot # 11163
Misc : wg2002259,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 25 20:48:12 2024
Quant Method : I:\8270\Dakota\241125NRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration





CHROMtools™ [wg2002259-2,32,,Degdftpp Lot # 11163]

(6) DDT (T)

10.716min (+ 0.000) 145.78

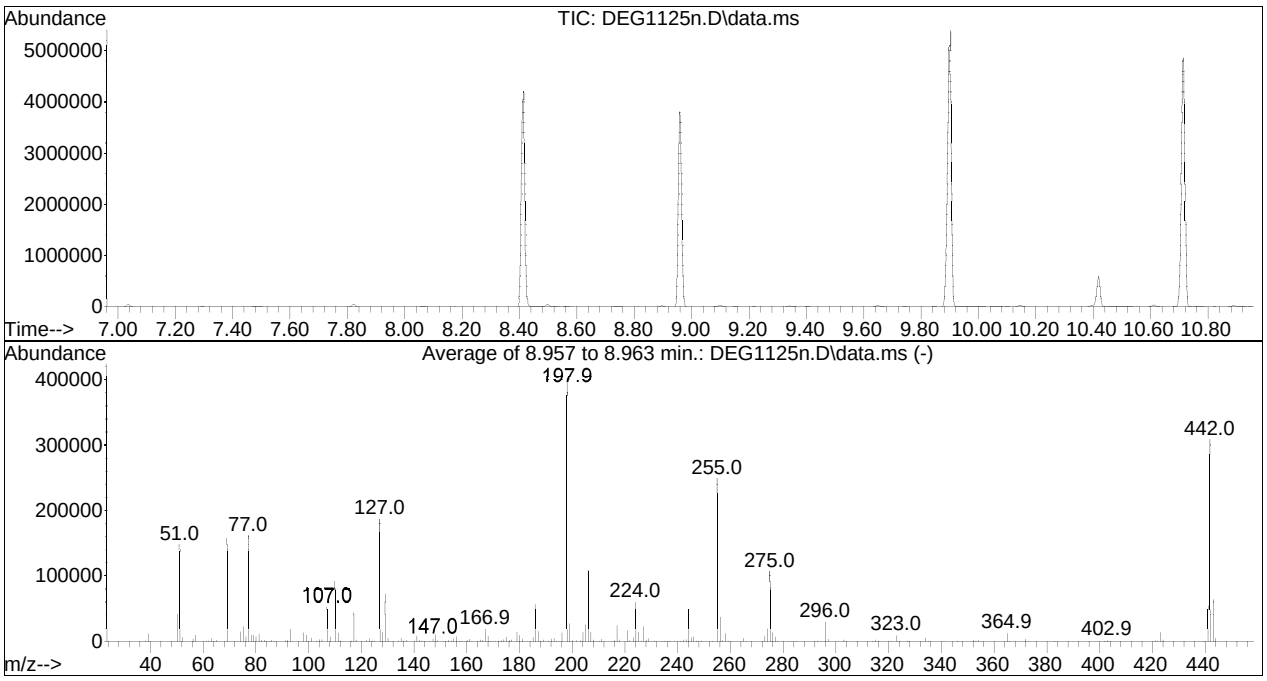
response 888661

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.45
165.10	48.70	49.08
199.10	15.80	14.60

Data Path : I:\8270\Dakota\241125NRVT\
Data File : DEG1125n.D
Acq On : 25 Nov 2024 8:29 pm
Operator : Dakota: ASK
Sample : WG2002259-1,32,,Degdftpp Lot # 11163
Misc : WG2002259,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 25 21:37:04 2024



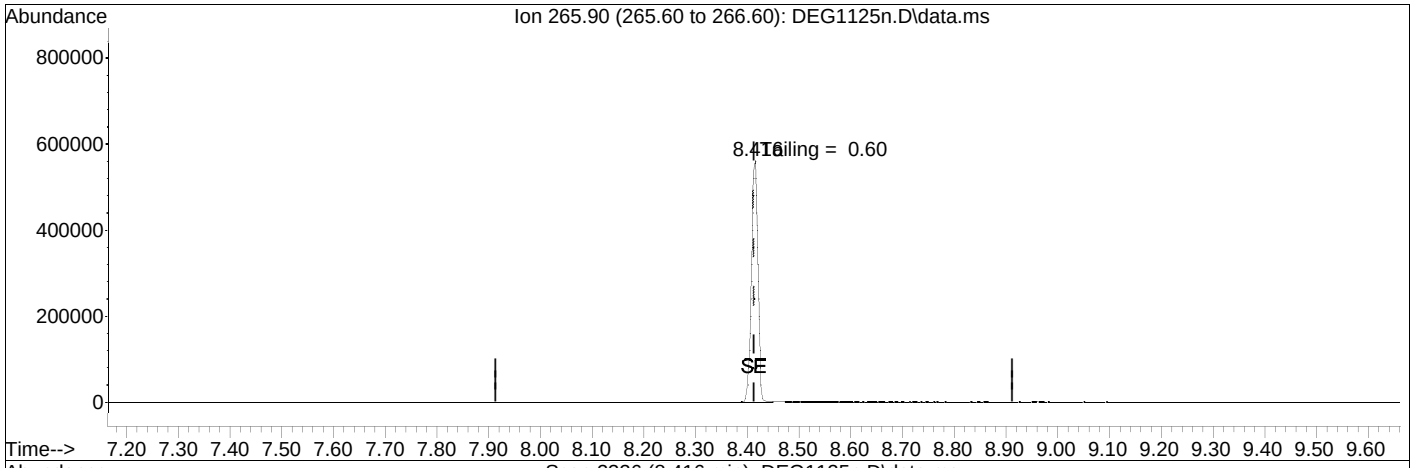
Spectrum Information: Average of 8.957 to 8.963 min.

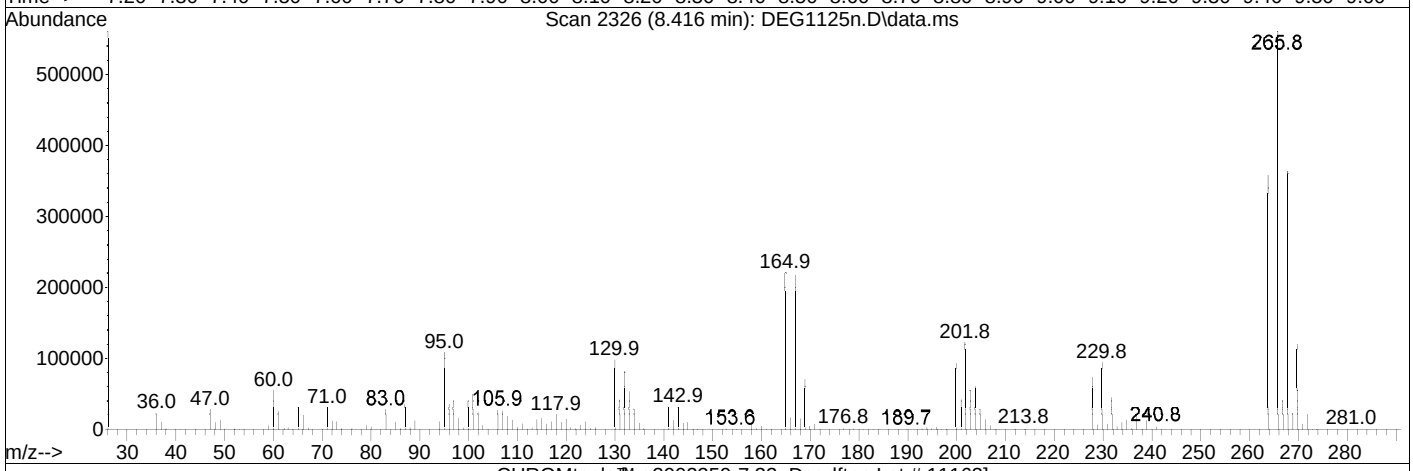
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.5	146987	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	156267	PASS
70	69	0.00	2	0.5	757	PASS
127	198	10	80	46.3	186539	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	403072	PASS
199	198	5	9	6.6	26715	PASS
275	198	10	60	26.4	106331	PASS
365	198	1	100	3.2	12782	PASS
441	442	0.01	24	17.5	54056	PASS
442	198	50	100	76.6	308736	PASS
443	442	15	24	20.6	63683	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : DEG1125n.D
Acq On : 25 Nov 2024 8:29 pm
Operator : Dakota:smz
Sample : wg2002259-7,32,,Degdftpp Lot # 11163
Misc : wg2002259,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 25 20:48:12 2024
Quant Method : I:\8270\Dakota\241125NRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration





CHROMtools [wg2002259-7,32,,Degdftpp Lot # 11163]

(1) Pentachlorophenol (T)

8.416min (+ 0.003) 218.27

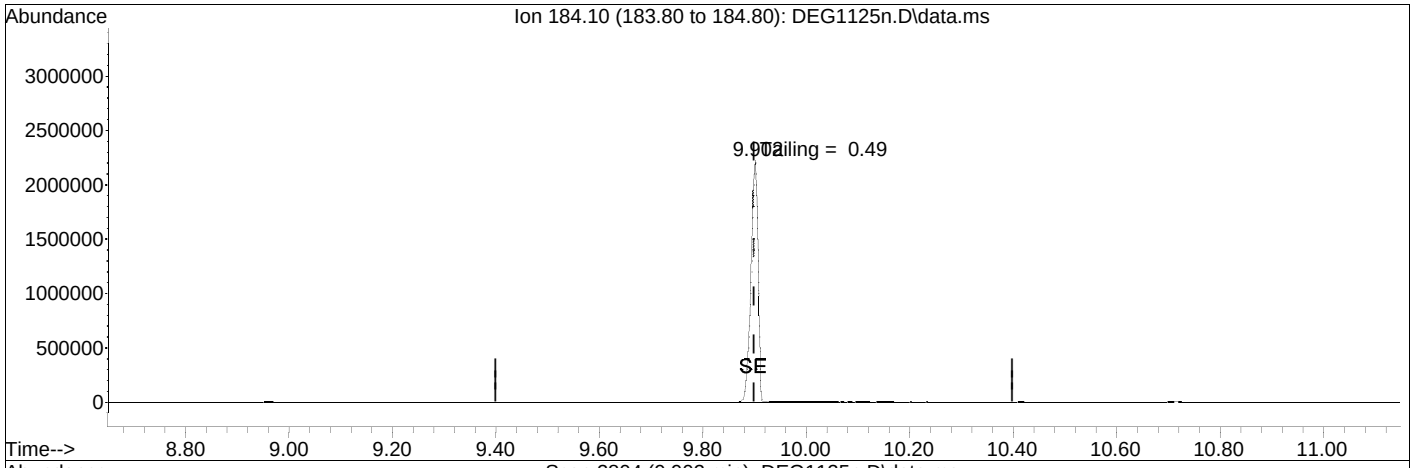
response 458447

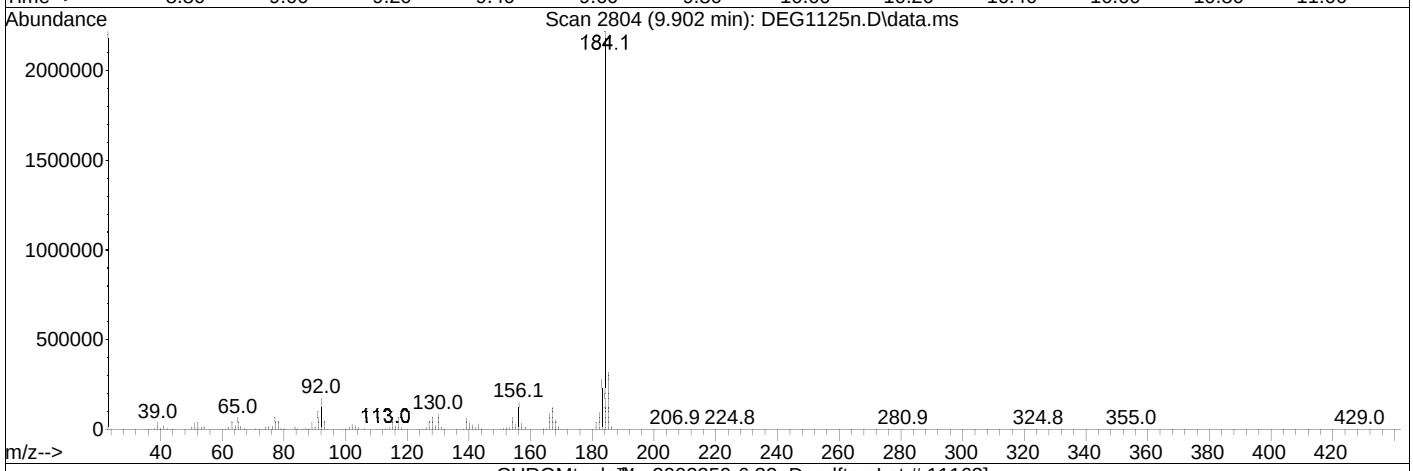
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : DEG1125n.D
Acq On : 25 Nov 2024 8:29 pm
Operator : Dakota:smz
Sample : wg2002259-6,32,,Degdftpp Lot # 11163
Misc : wg2002259,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 25 20:48:12 2024
Quant Method : I:\8270\Dakota\241125NRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration





CHROMtools™ [wg2002259-6,32,,Degdftpp Lot # 11163]

(3) Benzidine (T)

9.902min (+ 0.003) 198.21

response 2017840

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

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-1.D
Acq On : 23 Nov 2024 5:04 pm
Operator : Dakota:ek
Sample : WG2001353-1,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 24 08:51:07 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.226	152	20351	4.000	ug/ml		0.00
Standard Area 1 = 26746			Recovery = 76.09%				
27) IS2_1,4-Dichlorobenzen...	4.226	152	20351	4.000	ug/ml		0.00
Standard Area 3 = 24842			Recovery = 81.92%				
32) IS3_1,4-Dichlorobenzen...	4.226	152	20351	4.000	ug/ml		0.00
Standard Area 2 = 25764			Recovery = 78.99%				
37) IS1_Naphthalene-d8	5.464	136	76323	4.000	ug/ml	#	0.00
Standard Area 1 = 105446			Recovery = 72.38%				
57) IS2_Naphthalene-d8	5.464	136	76323	4.000	ug/ml	#	0.00
Standard Area 3 = 98292			Recovery = 77.65%				
65) IS1_Acenaphthene-d10	7.154	164	50584	4.000	ug/ml		0.00
Standard Area 1 = 72361			Recovery = 69.91%				
85) IS2_Acenaphthene-d10	7.154	164	50584	4.000	ug/ml		0.00
Standard Area 3 = 67111			Recovery = 75.37%				
88) IS3_Acenaphthene-d10	7.154	164	50584	4.000	ug/ml		0.00
Standard Area 2 = 67172			Recovery = 75.31%				
90) IS1_Phenanthrene-d10	8.565	188	120306	4.000	ug/ml		0.00
Standard Area 1 = 160365			Recovery = 75.02%				
102) IS3_Phenanthrene-d10	8.565	188	120306	4.000	ug/ml		0.00
Standard Area 2 = 159399			Recovery = 75.47%				
106) IS1_Chrysene-d12	11.130	240	145830	4.000	ug/ml		0.00
Standard Area 1 = 195962			Recovery = 74.42%				
115) IS1_Perylene-d12	12.547	264	175730	4.000	ug/ml		0.00
Standard Area 1 = 235211			Recovery = 74.71%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.927	112	6219	1.189	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.45%				
7) Phenol-d6	3.928	99	5877	0.877	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.85%				
19) Nitrobenzene-d5	4.780	82	5264	0.866	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 86.60%				
48) 2-Fluorobiphenyl	6.539	172	14817	0.784	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.40%				
81) 2,4,6-Tribromophenol	7.913	330	6456	1.786	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 89.30%				

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-1.D
Acq On : 23 Nov 2024 5:04 pm
Operator : Dakota:ek
Sample : WG2001353-1,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 24 08:51:07 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.138	244	30197	0.867	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 86.70%

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.	
40) 4-Chloroaniline	0.000	0	N.D.	
42) p-Chloro-m-cresol	0.000	0	N.D.	
45) Hexachlorocyclopentadiene	0.000	0	N.D.	
46) 2,4,6-Trichlorophenol	0.000	0	N.D.	
47) 2,4,5-Trichlorophenol	0.000	0	N.D.	
50) 2-Nitroaniline	0.000	0	N.D.	
53) Dimethyl phthalate	0.000	0	N.D.	d
55) 2,6-Dinitrotoluene	0.000	0	N.D.	d
62) Caprolactam	0.000	0	N.D.	
63) 1,2,4,5-Tetrachloroben...	0.000	0	N.D.	
64) Biphenyl	0.000	0	N.D.	
66) 3-Nitroaniline	0.000	0	N.D.	
68) 2,4-Dinitrophenol	0.000	0	N.D.	
69) Dibenzofuran	0.000	0	N.D.	
70) 2,4-Dinitrotoluene	0.000	0	N.D.	d
71) 4-Nitrophenol	0.000	0	N.D.	
73) 2,3,4,6-Tetrachlorophenol	0.000	0	N.D.	
74) Diethyl phthalate	0.000	0	N.D.	

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-1.D
Acq On : 23 Nov 2024 5:04 pm
Operator : Dakota:ek
Sample : WG2001353-1,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 24 08:51:07 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D.	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
89)	Atrazine	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D.	
94)	Di-n-butylphthalate	0.000		0		N.D.	d
99)	Butyl benzyl phthalate	0.000		0		N.D.	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111)	Di-n-octylphthalate	0.000		0		N.D.	d

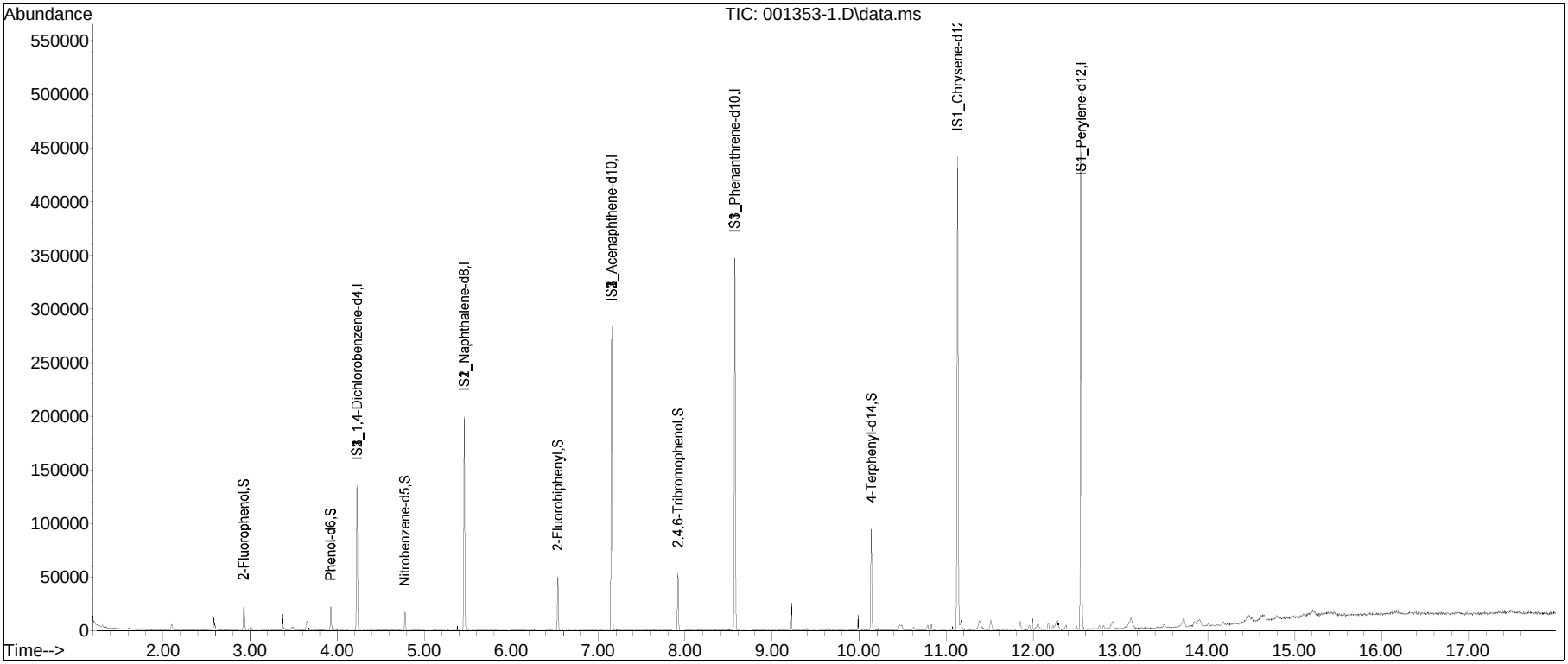
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-1.D
Acq On : 23 Nov 2024 5:04 pm
Operator : Dakota:ek
Sample : WG2001353-1,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 24 08:51:07 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA3RVT\AP91123.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241123RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 001353-1.D	Operator	: Dakota:ek
Date Inj'd	: 11/23/2024 5:04 pm	Instrument	: Dakota
Sample	: WG2001353-1,32,,cmm	Quant Date	: 11/23/2024 5:22 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-1.D
Acq On : 25 Nov 2024 10:22 pm
Operator : Dakota:smz
Sample : WG2001587-1,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 09:04:40 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.223	152	25839	4.000	ug/ml		0.00
Standard Area 1 = 40101			Recovery = 64.43%				
27) IS2_1,4-Dichlorobenzen...	4.223	152	25839	4.000	ug/ml		0.00
Standard Area 3 = 22985			Recovery = 112.42%				
32) IS3_1,4-Dichlorobenzen...	4.223	152	25839	4.000	ug/ml		0.00
Standard Area 2 = 21373			Recovery = 120.90%				
37) IS1_Naphthalene-d8	5.463	136	100973	4.000	ug/ml	#	0.00
Standard Area 1 = 159893			Recovery = 63.15%				
57) IS2_Naphthalene-d8	5.463	136	100973	4.000	ug/ml	#	0.00
Standard Area 3 = 87939			Recovery = 114.82%				
65) IS1_Acenaphthene-d10	7.151	164	67970	4.000	ug/ml		0.00
Standard Area 1 = 106227			Recovery = 63.99%				
85) IS2_Acenaphthene-d10	7.151	164	67970	4.000	ug/ml		0.00
Standard Area 3 = 58300			Recovery = 116.59%				
88) IS3_Acenaphthene-d10	7.151	164	67970	4.000	ug/ml		0.00
Standard Area 2 = 54188			Recovery = 125.43%				
90) IS1_Phenanthrene-d10	8.565	188	158277	4.000	ug/ml		0.00
Standard Area 1 = 233287			Recovery = 67.85%				
102) IS3_Phenanthrene-d10	8.565	188	158277	4.000	ug/ml		0.00
Standard Area 2 = 126143			Recovery = 125.47%				
106) IS1_Chrysene-d12	11.126	240	182066	4.000	ug/ml		0.00
Standard Area 1 = 278188			Recovery = 65.45%				
115) IS1_Perylene-d12	12.544	264	218905	4.000	ug/ml		0.00
Standard Area 1 = 327345			Recovery = 66.87%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.930	112	3565	0.537	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.85%				
7) Phenol-d6	3.931	99	4031	0.474	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 23.70%				
19) Nitrobenzene-d5	4.780	82	5393	0.699	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.90%				
48) 2-Fluorobiphenyl	6.536	172	15287	0.612	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.20%				
81) 2,4,6-Tribromophenol	7.910	330	5364	1.104	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 55.20%				

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-1.D
Acq On : 25 Nov 2024 10:22 pm
Operator : Dakota:smz
Sample : WG2001587-1,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 09:04:40 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.132	244	29325	0.640	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 64.00%

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.	
40) 4-Chloroaniline	0.000	0	N.D.	
42) p-Chloro-m-cresol	0.000	0	N.D.	
45) Hexachlorocyclopentadiene	0.000	0	N.D.	
46) 2,4,6-Trichlorophenol	0.000	0	N.D.	
47) 2,4,5-Trichlorophenol	0.000	0	N.D.	
50) 2-Nitroaniline	0.000	0	N.D.	
53) Dimethyl phthalate	0.000	0	N.D.	d
55) 2,6-Dinitrotoluene	0.000	0	N.D.	d
62) Caprolactam	0.000	0	N.D.	
63) 1,2,4,5-Tetrachloroben...	0.000	0	N.D.	
64) Biphenyl	0.000	0	N.D.	
66) 3-Nitroaniline	0.000	0	N.D.	
68) 2,4-Dinitrophenol	0.000	0	N.D.	
69) Dibenzofuran	0.000	0	N.D.	
70) 2,4-Dinitrotoluene	0.000	0	N.D.	d
71) 4-Nitrophenol	0.000	0	N.D.	
73) 2,3,4,6-Tetrachlorophenol	0.000	0	N.D.	
74) Diethyl phthalate	0.000	0	N.D.	

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-1.D
Acq On : 25 Nov 2024 10:22 pm
Operator : Dakota:smz
Sample : WG2001587-1,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 09:04:40 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
89) Atrazine	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	0.000		0	N.D.	d	
99) Butyl benzyl phthalate	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111) Di-n-octylphthalate	0.000		0	N.D.	d	

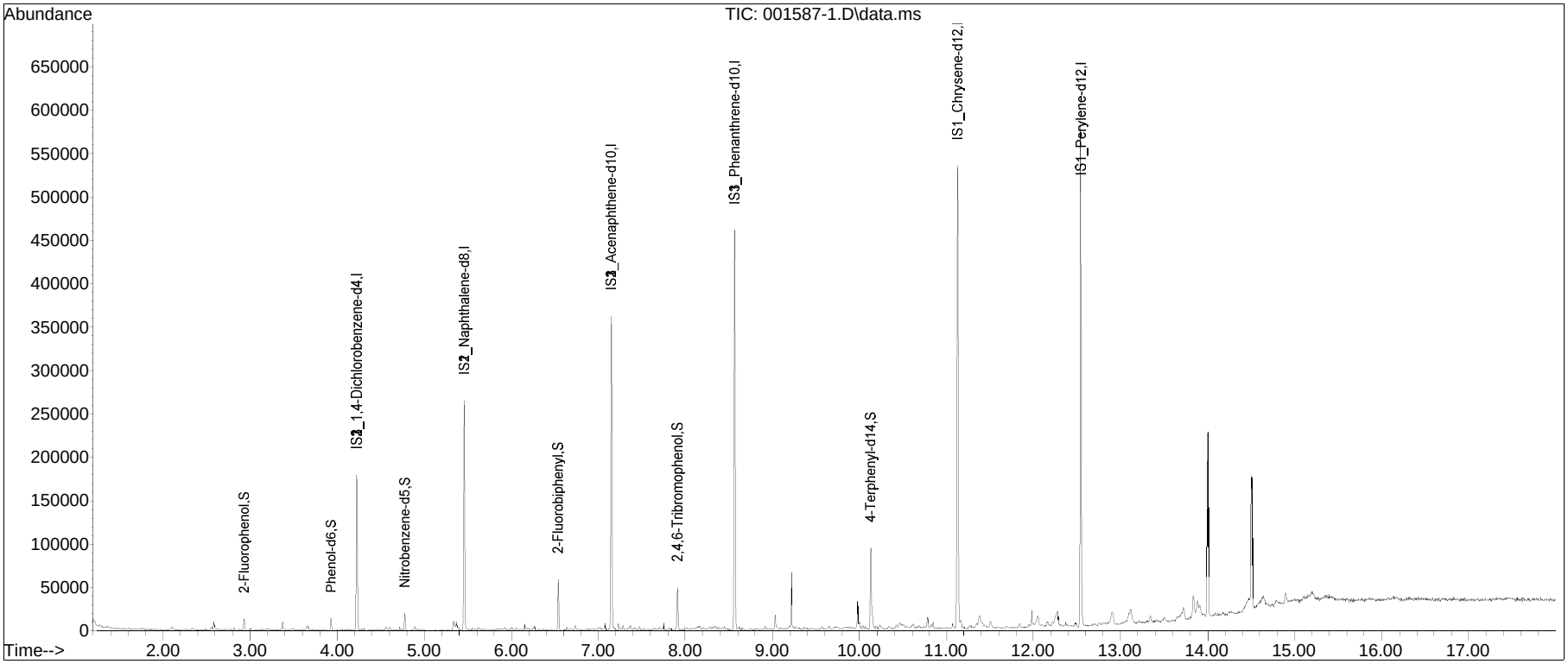
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-1.D
Acq On : 25 Nov 2024 10:22 pm
Operator : Dakota:smz
Sample : WG2001587-1,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 09:04:40 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA5NRVT\AP91125n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241125NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 001587-1.D	Operator	: Dakota:smz
Date Inj'd	: 11/25/2024 10:22 pm	Instrument	: Dakota
Sample	: WG2001587-1,32,,ASK	Quant Date	: 11/25/2024 10:40 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-2.D
Acq On : 23 Nov 2024 5:26 pm
Operator : Dakota:ek
Sample : WG2001353-2,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 24 08:51:52 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.226	152	23247	4.000	ug/ml	0.00
Standard Area 1 = 26746			Recovery = 86.92%			
27) IS2_1,4-Dichlorobenzen...	4.226	152	23247	4.000	ug/ml	0.00
Standard Area 3 = 24842			Recovery = 93.58%			
32) IS3_1,4-Dichlorobenzen...	4.226	152	23247	4.000	ug/ml	0.00
Standard Area 2 = 25764			Recovery = 90.23%			
37) IS1_Naphthalene-d8	5.463	136	90681	4.000	ug/ml	# 0.00
Standard Area 1 = 105446			Recovery = 86.00%			
57) IS2_Naphthalene-d8	5.463	136	90681	4.000	ug/ml	# 0.00
Standard Area 3 = 98292			Recovery = 92.26%			
65) IS1_Acenaphthene-d10	7.154	164	61621	4.000	ug/ml	0.00
Standard Area 1 = 72361			Recovery = 85.16%			
85) IS2_Acenaphthene-d10	7.154	164	61621	4.000	ug/ml	0.00
Standard Area 3 = 67111			Recovery = 91.82%			
88) IS3_Acenaphthene-d10	7.154	164	61621	4.000	ug/ml	0.00
Standard Area 2 = 67172			Recovery = 91.74%			
90) IS1_Phenanthrene-d10	8.565	188	139239	4.000	ug/ml	0.00
Standard Area 1 = 160365			Recovery = 86.83%			
102) IS3_Phenanthrene-d10	8.565	188	139239	4.000	ug/ml	0.00
Standard Area 2 = 159399			Recovery = 87.35%			
106) IS1_Chrysene-d12	11.133	240	163928	4.000	ug/ml	0.00
Standard Area 1 = 195962			Recovery = 83.65%			
115) IS1_Perylene-d12	12.547	264	194534	4.000	ug/ml	0.00
Standard Area 1 = 235211			Recovery = 82.71%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.924	112	7031	1.176	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 58.80%			
7) Phenol-d6	3.928	99	6628	0.866	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.30%			
19) Nitrobenzene-d5	4.780	82	5668	0.816	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.60%			
48) 2-Fluorobiphenyl	6.539	172	16949	0.755	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.50%			
81) 2,4,6-Tribromophenol	7.913	330	7465	1.695	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 84.75%			

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-2.D
Acq On : 23 Nov 2024 5:26 pm
Operator : Dakota:ek
Sample : WG2001353-2,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 24 08:51:52 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.138	244	33551	0.833	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 83.30%

Target Compounds					Qvalue
6) 2-Chlorophenol	4.018	128	10335	1.452 ug/ml#	89
8) Phenol	3.941	94	7507	0.909 ug/ml	95
9) Bis(2-chloroethyl)ether	4.003	93	8873	1.501 ug/ml	96
14) Bis(2-chloroisopropyl)...	4.540	45	15940	1.529 ug/ml#	66
15) 2-Methylphenol	4.534	108	8686	1.385 ug/ml	99
17) n-Nitrosodi-n-propylamine	4.668	70	7850	1.566 ug/ml#	79
18) 3-Methylphenol/4-Methy...	4.696	108	9387	1.366 ug/ml	99
20) Nitrobenzene	4.795	77	10452	1.471 ug/ml	97
21) Isophorone	5.041	82	19947	1.527 ug/ml#	93
22) 2-Nitrophenol	5.112	139	5376	1.495 ug/ml	91
23) 2,4-Dimethylphenol	5.205	107	6406	1.001 ug/ml	96
24) Bis(2-chloroethoxy)met...	5.286	93	13211	1.624 ug/ml#	95
25) 2,4-Dichlorophenol	5.352	162	11812	1.582 ug/ml#	92
28) Benzaldehyde	3.788	105	8333	2.038 ug/ml	98
29) Acetophenone	4.640	105	15391	1.887 ug/ml#	81
40) 4-Chloroaniline	5.566	65	3602	1.314 ug/ml	93
42) p-Chloro-m-cresol	6.076	107	10309	1.569 ug/ml	89
45) Hexachlorocyclopentadiene	6.337	237	4619	0.748 ug/ml	99
46) 2,4,6-Trichlorophenol	6.455	196	10219	1.573 ug/ml	98
47) 2,4,5-Trichlorophenol	6.483	196	12014	1.654 ug/ml	95
50) 2-Nitroaniline	6.741	138	8798	1.779 ug/ml#	77
53) Dimethyl phthalate	6.949	163	35942	1.600 ug/ml#	96
55) 2,6-Dinitrotoluene	6.990	165	6553	1.563 ug/ml#	83
62) Caprolactam	5.864	55	2169	0.778 ug/ml#	77
63) 1,2,4,5-Tetrachloroben...	6.331	216	14615	1.561 ug/ml	98
64) Biphenyl	6.623	154	33881	1.776 ug/ml	96
66) 3-Nitroaniline	7.139	138	7802	1.640 ug/ml	87
68) 2,4-Dinitrophenol	7.241	184	2840	0.980 ug/ml#	85
69) Dibenzofuran	7.353	168	45503	1.472 ug/ml	94
70) 2,4-Dinitrotoluene	7.372	165	9776	1.639 ug/ml#	81
71) 4-Nitrophenol	7.341	65	4390	1.238 ug/ml#	1
73) 2,3,4,6-Tetrachlorophenol	7.490	232	11291	1.713 ug/ml	97
74) Diethyl phthalate	7.636	149	37400	1.542 ug/ml	98

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-2.D
Acq On : 23 Nov 2024 5:26 pm
Operator : Dakota:ek
Sample : WG2001353-2,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 24 08:51:52 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	7.711	204	18255	1.497	ug/ml#	87
77)	4-Nitroaniline	7.717	138	8681	1.887	ug/ml#	78
78)	4,6-Dinitro-o-cresol	7.754	198	5193	1.440	ug/ml#	58
79)	NDPA/DPA	7.826	169	31322	1.521	ug/ml	90
82)	4-Bromophenyl phenyl e...	8.171	248	12059	1.501	ug/ml#	80
89)	Atrazine	8.366	200	10415	1.971	ug/ml	91
93)	Carbazole	8.811	167	62108	1.676	ug/ml	98
94)	Di-n-butylphthalate	9.218	149	71354	1.699	ug/ml#	98
99)	Butyl benzyl phthalate	10.654	149	31365	1.743	ug/ml#	83
108)	3,3'-Dichlorobenzidine	11.136	252	34192	1.652	ug/ml#	97
110)	Bis(2-ethylhexyl)phtha...	11.282	149	47298	1.589	ug/ml#	89
111)	Di-n-octylphthalate	11.938	149	77415	1.559	ug/ml#	74

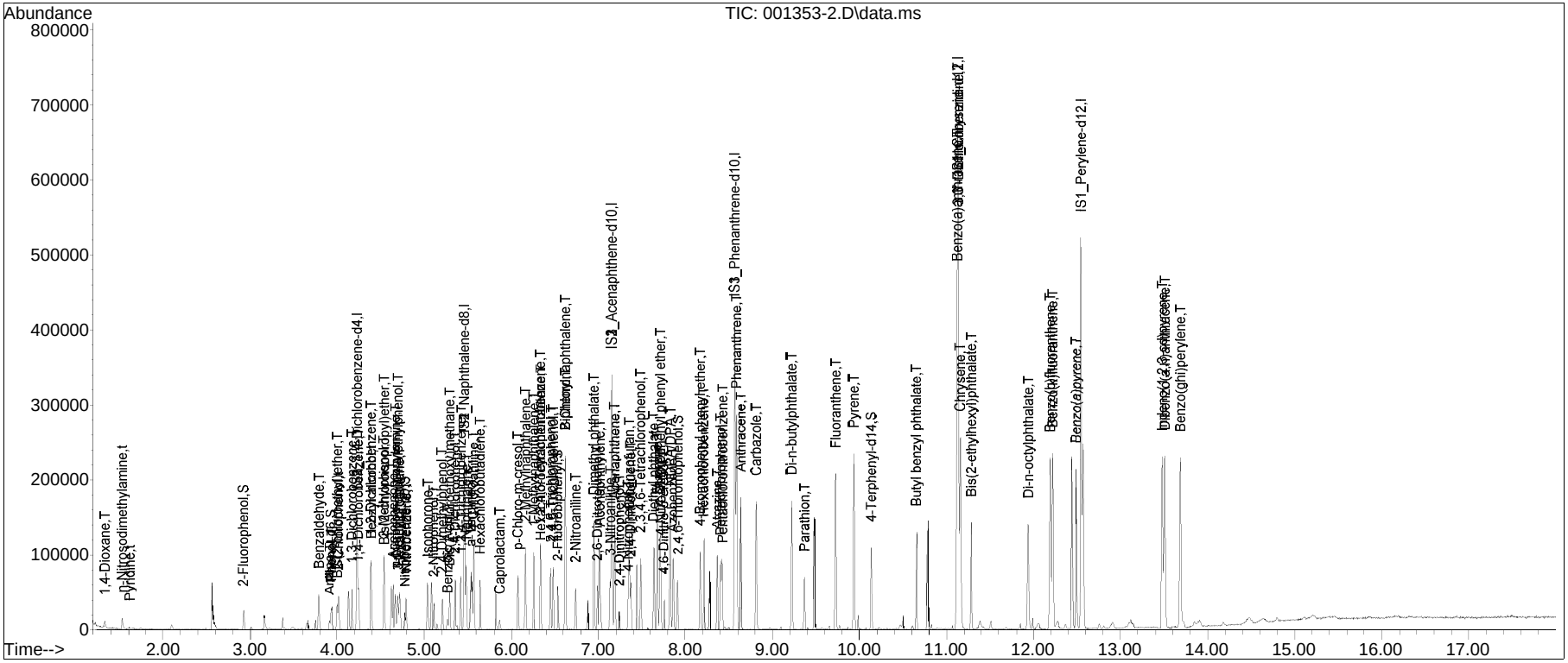
(#) = qualifier out of range (m) = manual integration (+) = signals summed

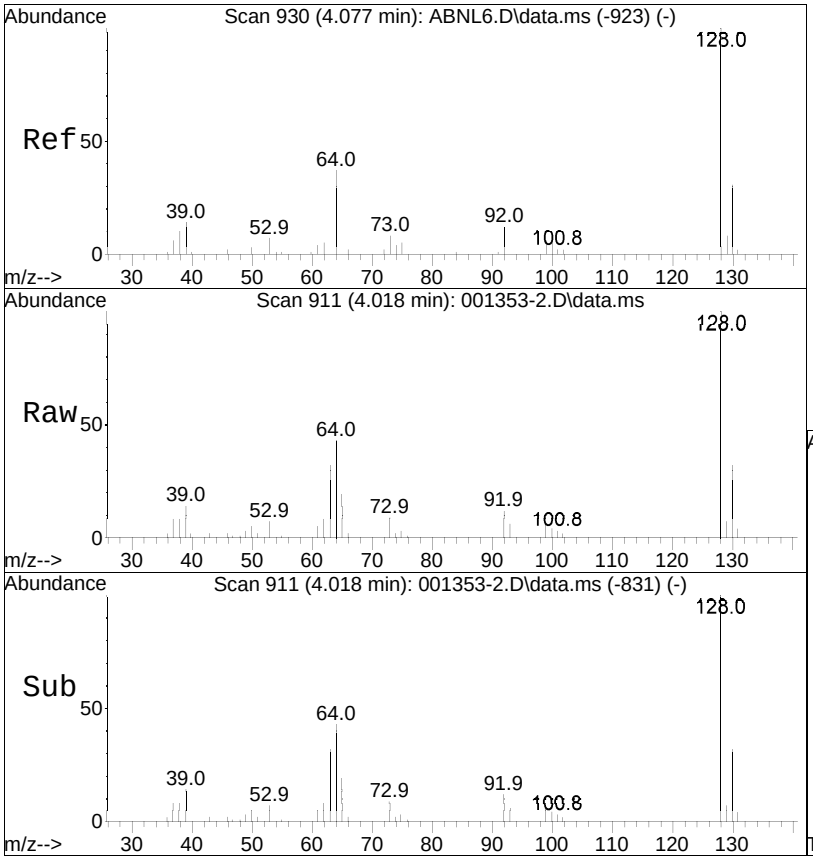
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-2.D
Acq On : 23 Nov 2024 5:26 pm
Operator : Dakota:ek
Sample : WG2001353-2,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 24 08:51:52 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA3RVT\AP91123.D•

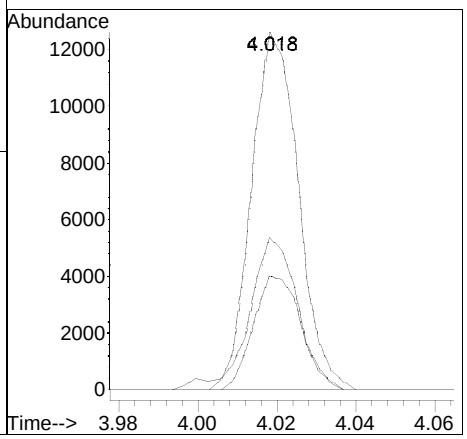


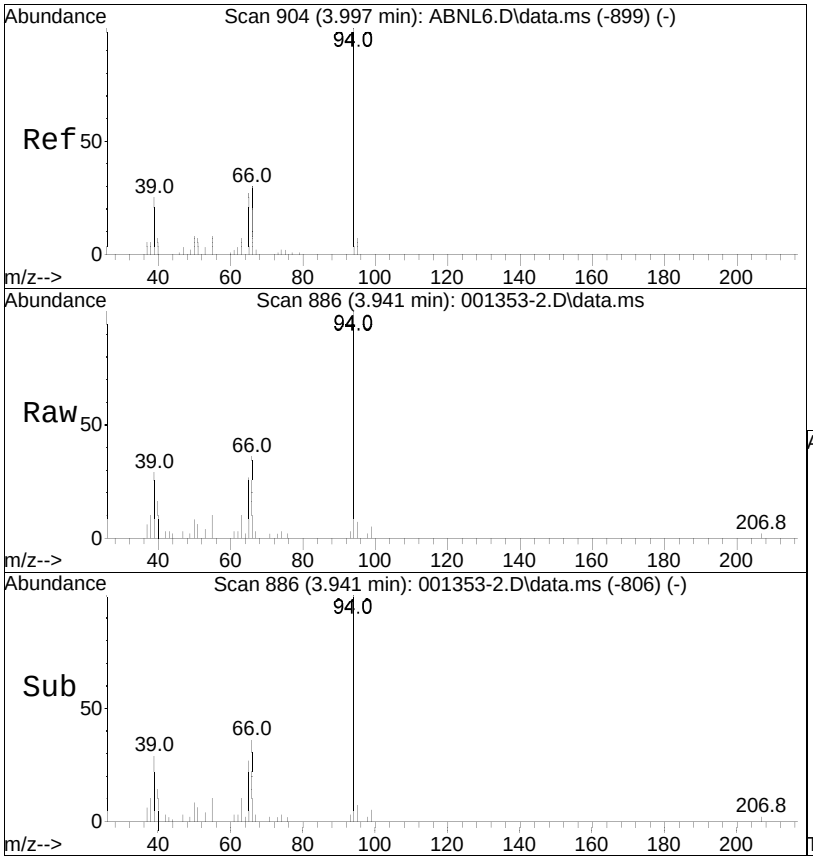


#6
2-Chlorophenol
Concen: 1.45 ug/ml
RT: 4.018 min Scan# 911
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:128 Resp: 10335

Ion	Ratio	Lower	Upper
128	100		
64	44.1	45.1	67.7#
130	32.5	26.2	39.4

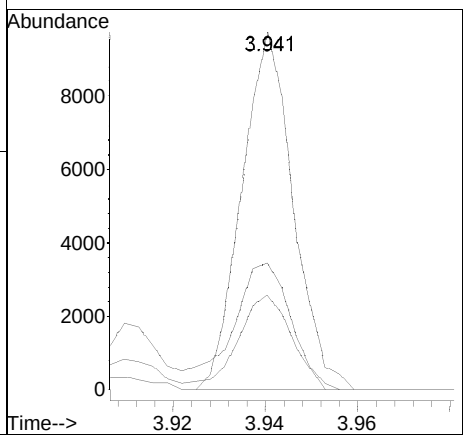


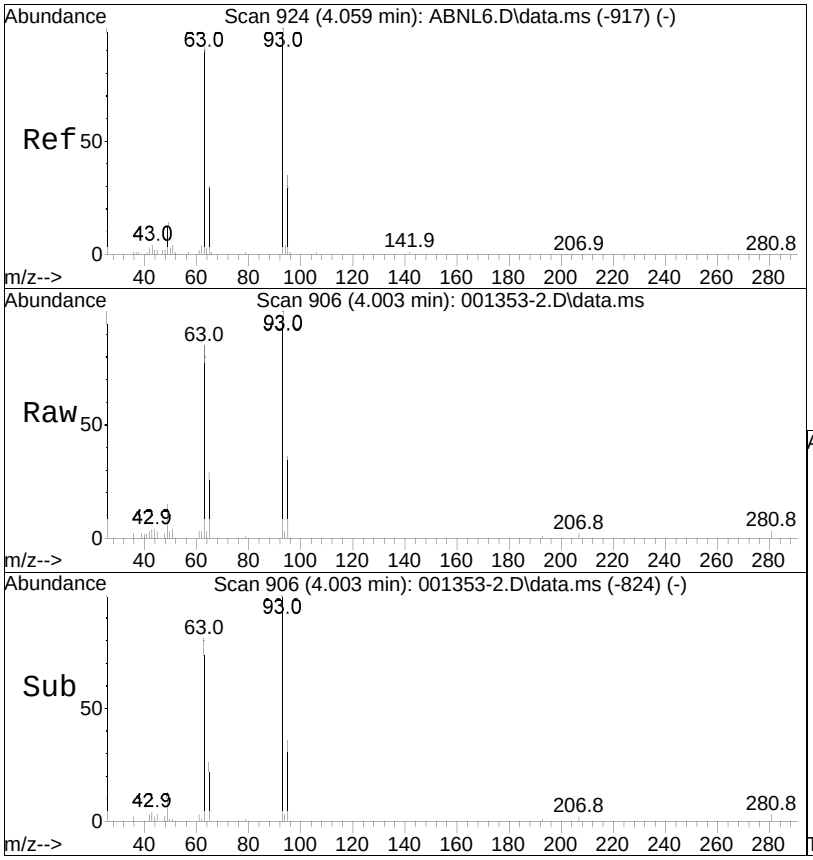


#8
Phenol
Concen: 0.91 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 94 Resp: 7507

Ion	Ratio	Lower	Upper
94	100		
65	27.7	26.0	39.0
66	40.5	33.8	50.8

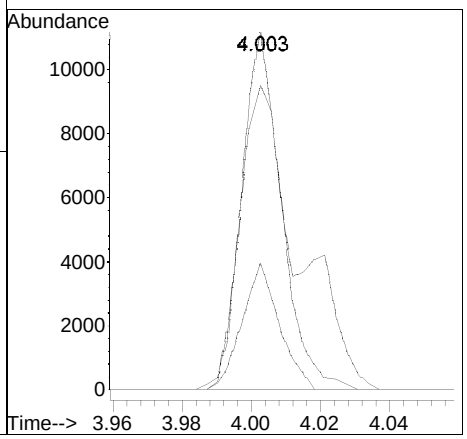


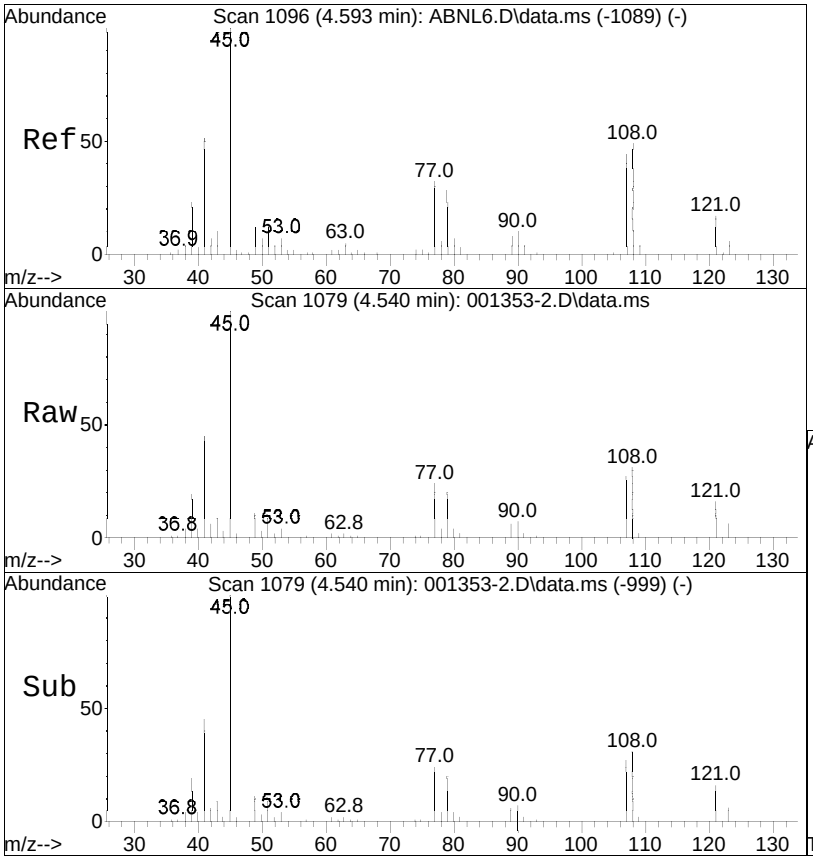


#9
Bis(2-chloroethyl)ether
Concen: 1.50 ug/ml
RT: 4.003 min Scan# 906
Delta R.T. 0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 93 Resp: 8873

Ion	Ratio	Lower	Upper
93	100		
63	97.8	74.6	111.8
95	33.1	25.9	38.9

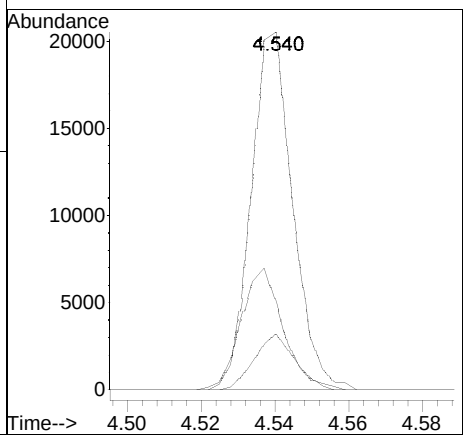


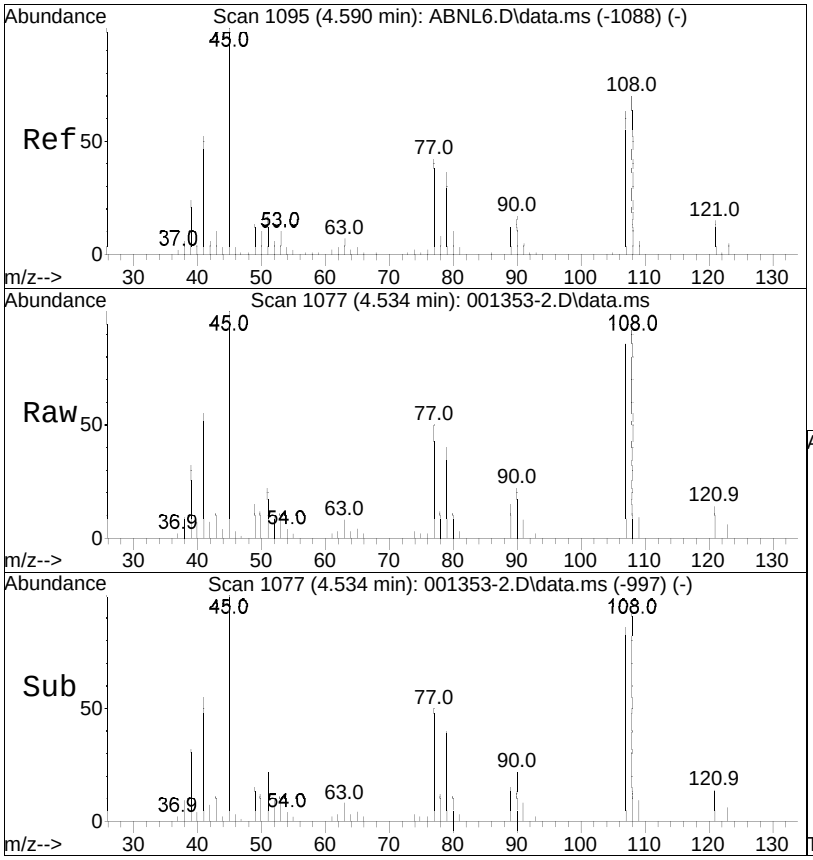


#14
Bis(2-chloroisopropyl)ether
Concen: 1.53 ug/ml
RT: 4.540 min Scan# 1079
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 45 Resp: 15940

Ion	Ratio	Lower	Upper
45	100		
121	15.3	9.8	14.6#
77	34.6	6.1	9.1#

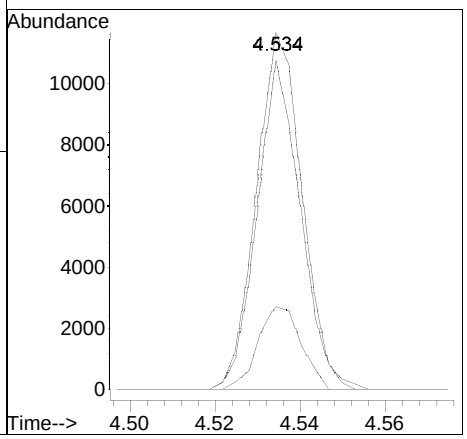


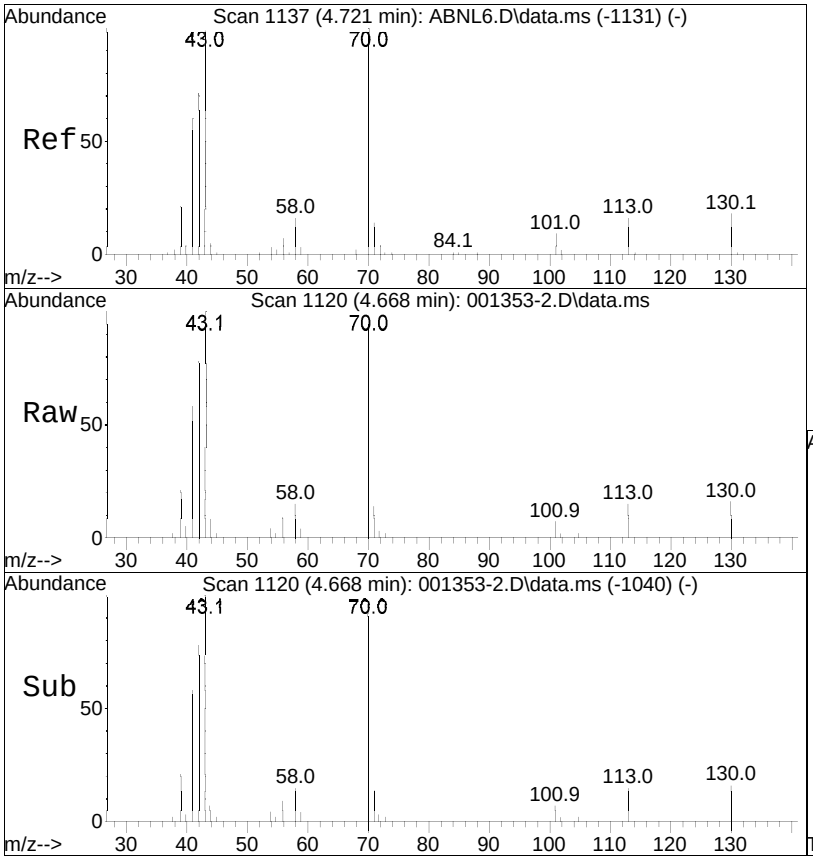


#15
2-Methylphenol
Concen: 1.38 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:108 Resp: 8686

Ion	Ratio	Lower	Upper
108	100		
107	87.7	70.7	106.1
90	22.1	18.7	28.1

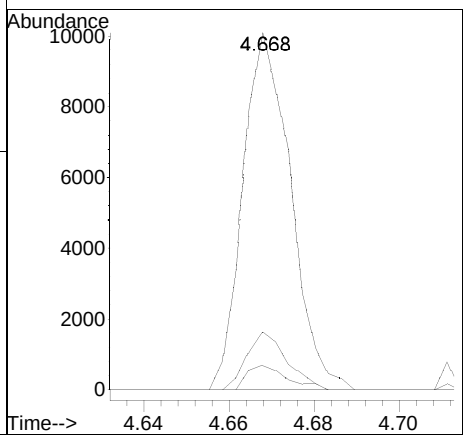


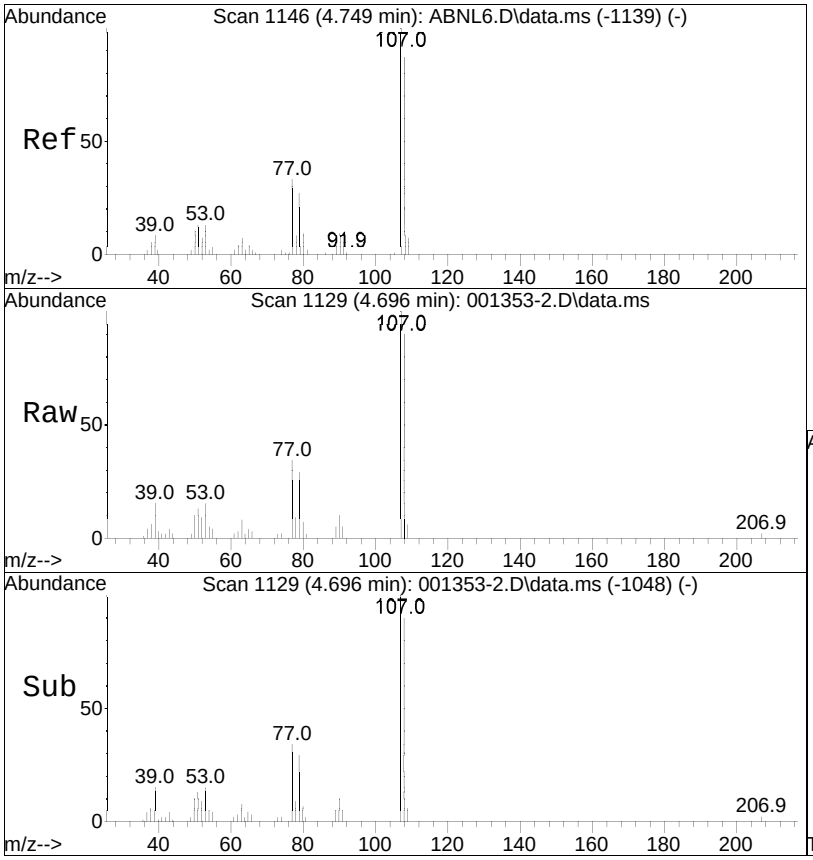


#17
n-Nitrosodi-n-propylamine
Concen: 1.57 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 70 Resp: 7850

Ion	Ratio	Lower	Upper
70	100		
130	13.7	18.2	27.4#
101	0.0	7.8	11.8#

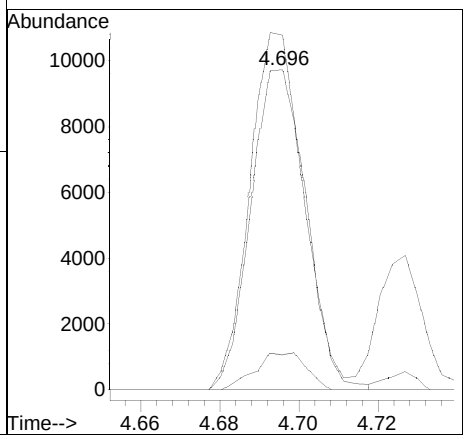


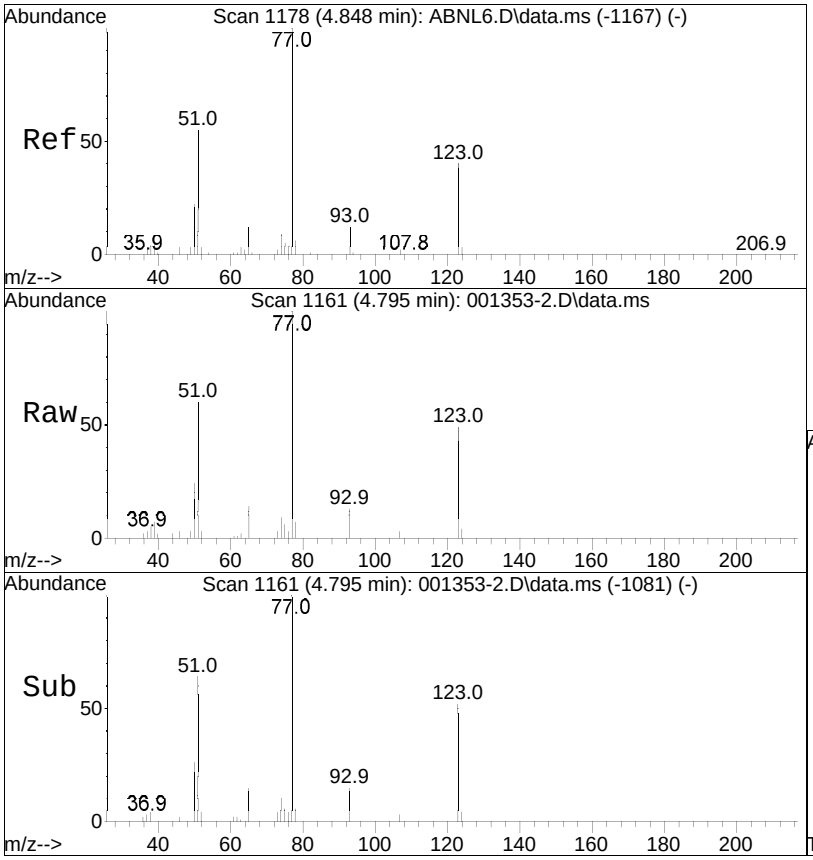


#18
3-Methylphenol/4-Methylphenol
Concen: 1.37 ug/ml
RT: 4.696 min Scan# 1129
Delta R.T. 0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:108 Resp: 9387

Ion	Ratio	Lower	Upper
108	100		
107	109.7	88.6	132.8
90	10.9	8.8	13.2

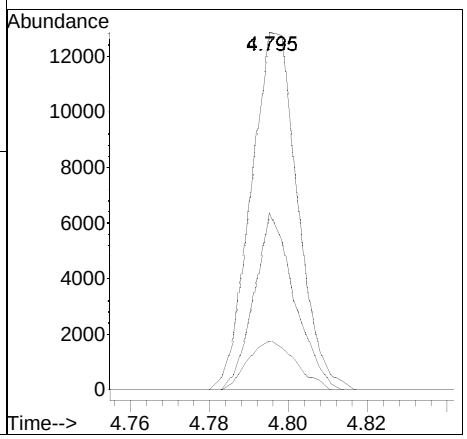


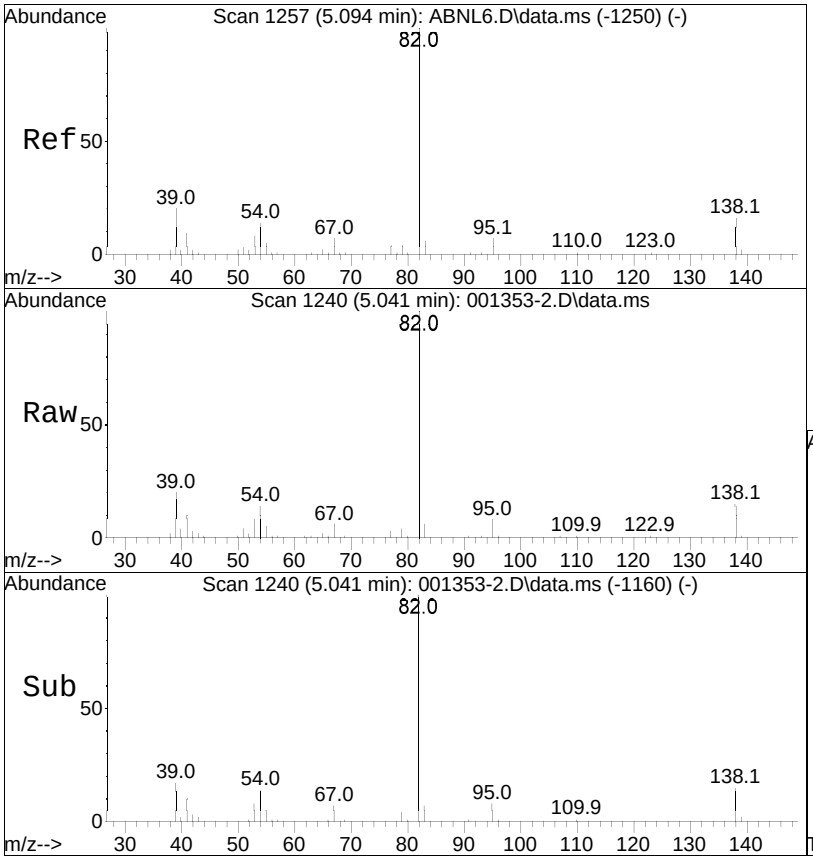


#20
Nitrobenzene
Concen: 1.47 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 77 Resp: 10452

Ion	Ratio	Lower	Upper
77	100		
123	43.2	36.3	54.5
65	14.1	11.6	17.4

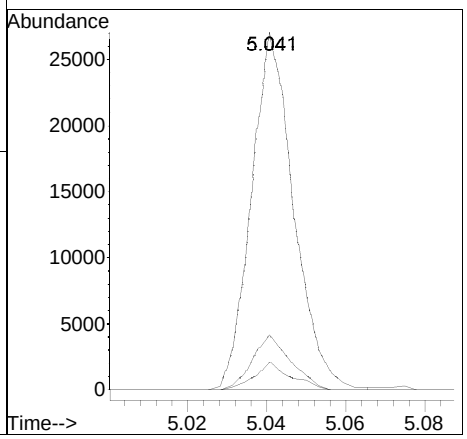


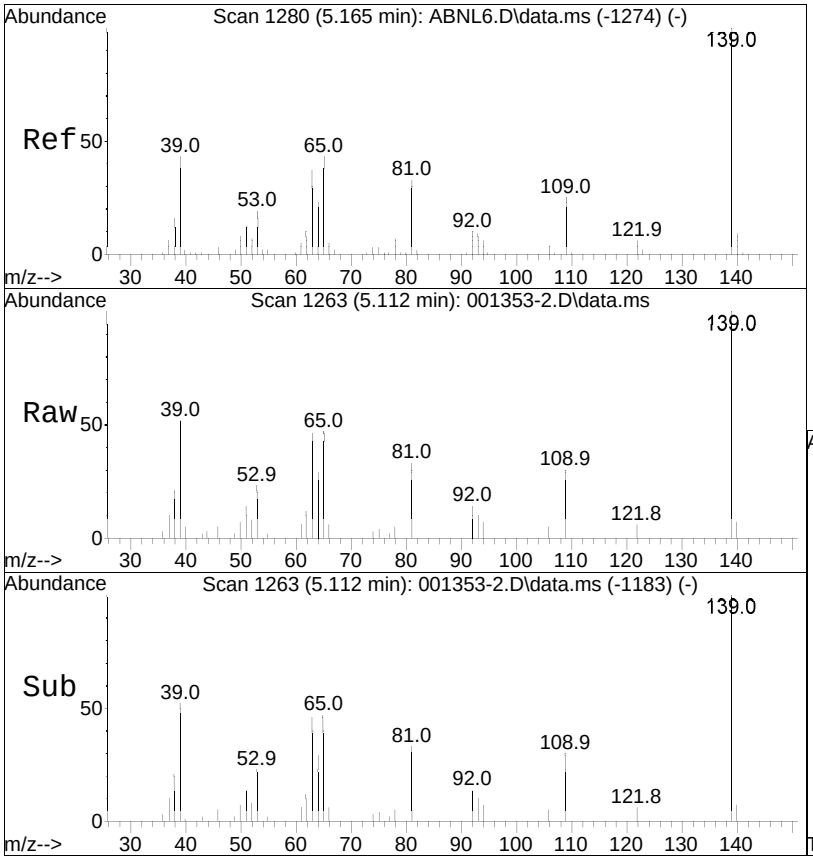


#21
Isophorone
Concen: 1.53 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 82 Resp: 19947

Ion	Ratio	Lower	Upper
82	100		
138	14.1	14.7	22.1#
95	6.7	5.2	7.8

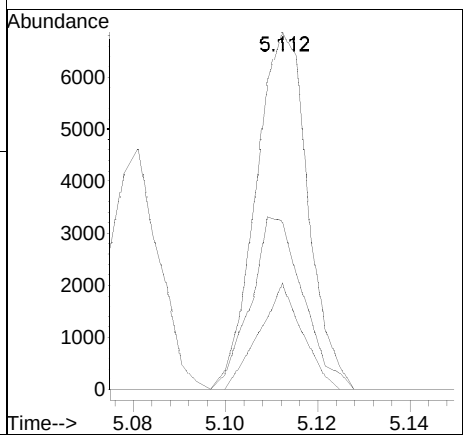


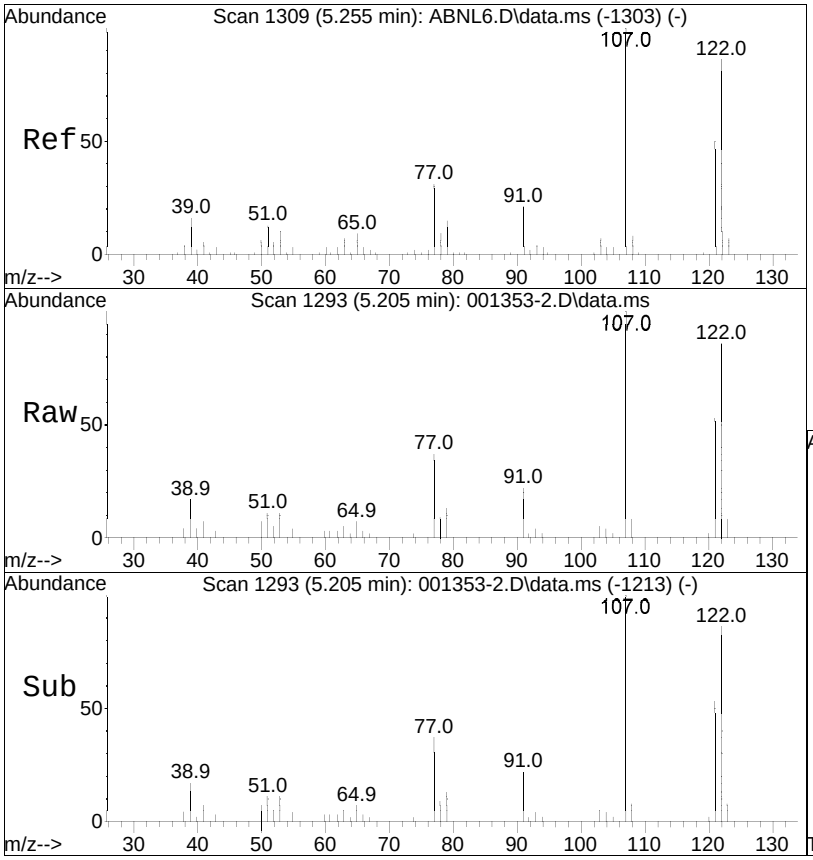


#22
2-Nitrophenol
Concen: 1.49 ug/ml
RT: 5.112 min Scan# 1263
Delta R.T. -0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:139 Resp: 5376

Ion	Ratio	Lower	Upper
139	100		
109	24.7	19.4	29.0
65	48.7	46.1	69.1

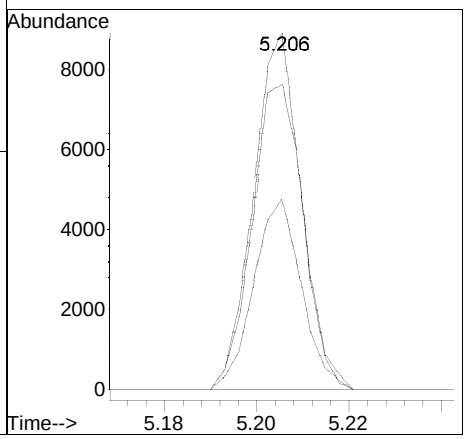


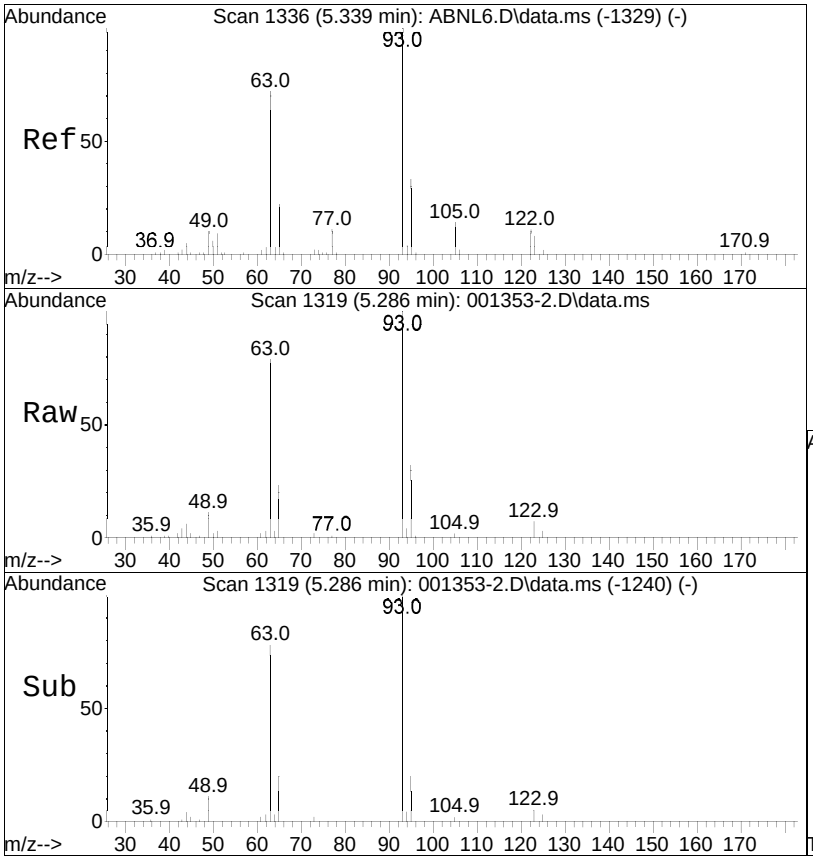


#23
2,4-Dimethylphenol
Concen: 1.00 ug/ml
RT: 5.205 min Scan# 1293
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:107 Resp: 6406

Ion	Ratio	Lower	Upper
107	100		
121	53.5	40.0	60.0
122	90.9	70.2	105.4

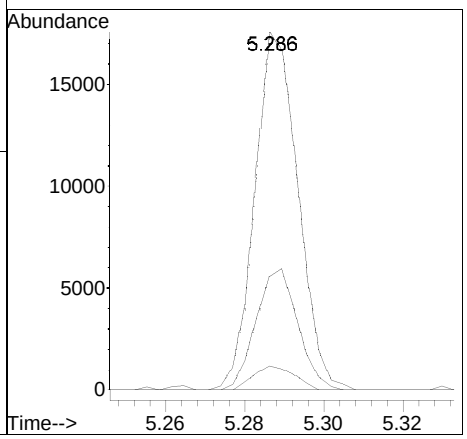


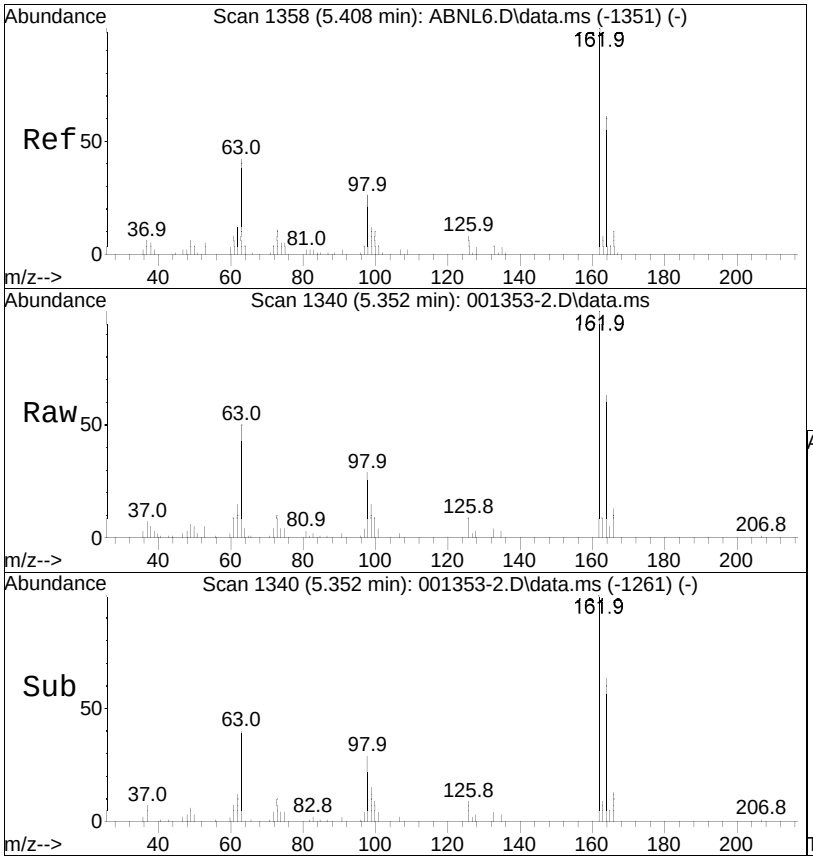


#24
Bis(2-chloroethoxy)methane
Concen: 1.62 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 93 Resp: 13211

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.8	38.8
123	6.4	10.1	15.1#

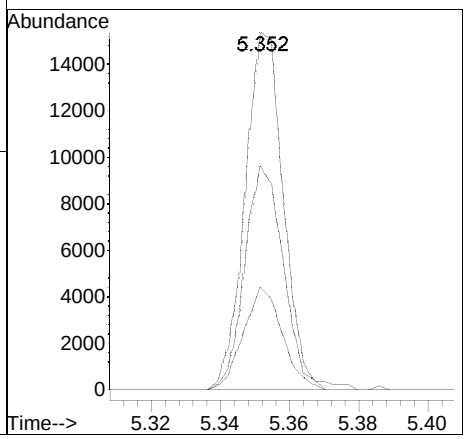


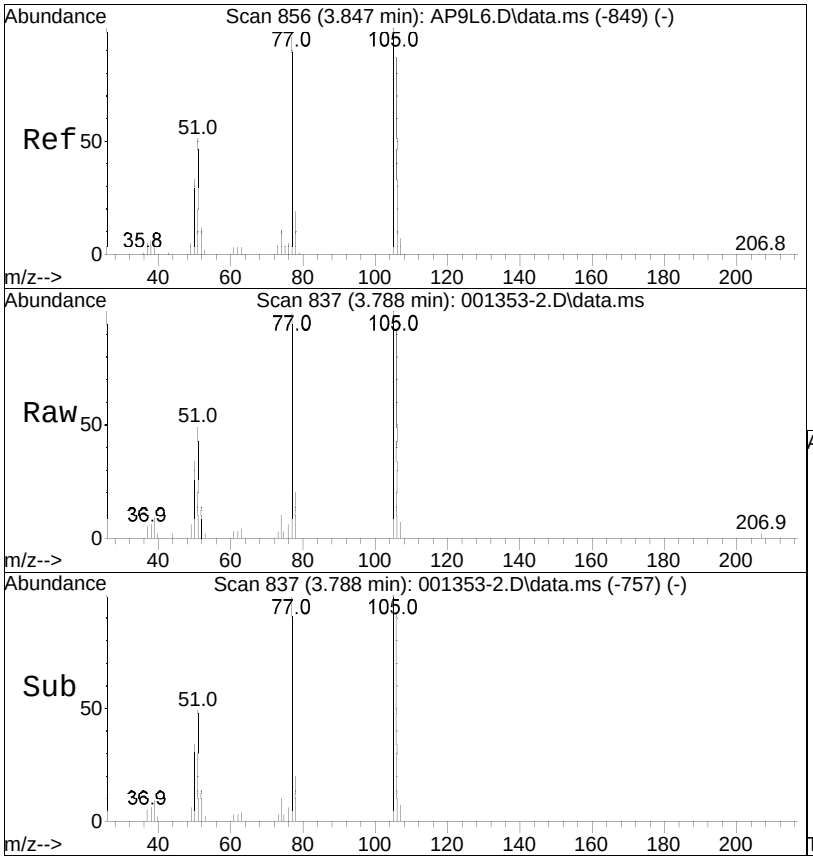


#25
2,4-Dichlorophenol
Concen: 1.58 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:162 Resp: 11812

Ion	Ratio	Lower	Upper
162	100		
164	62.5	51.0	76.4
98	29.1	32.2	48.2#

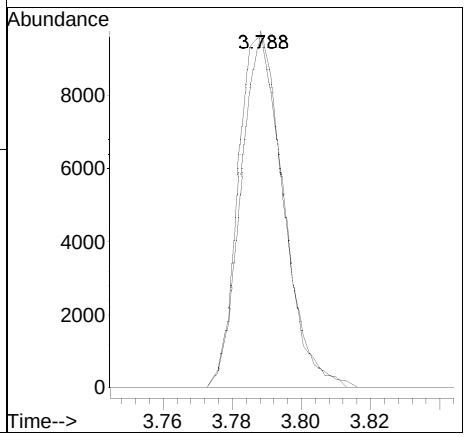


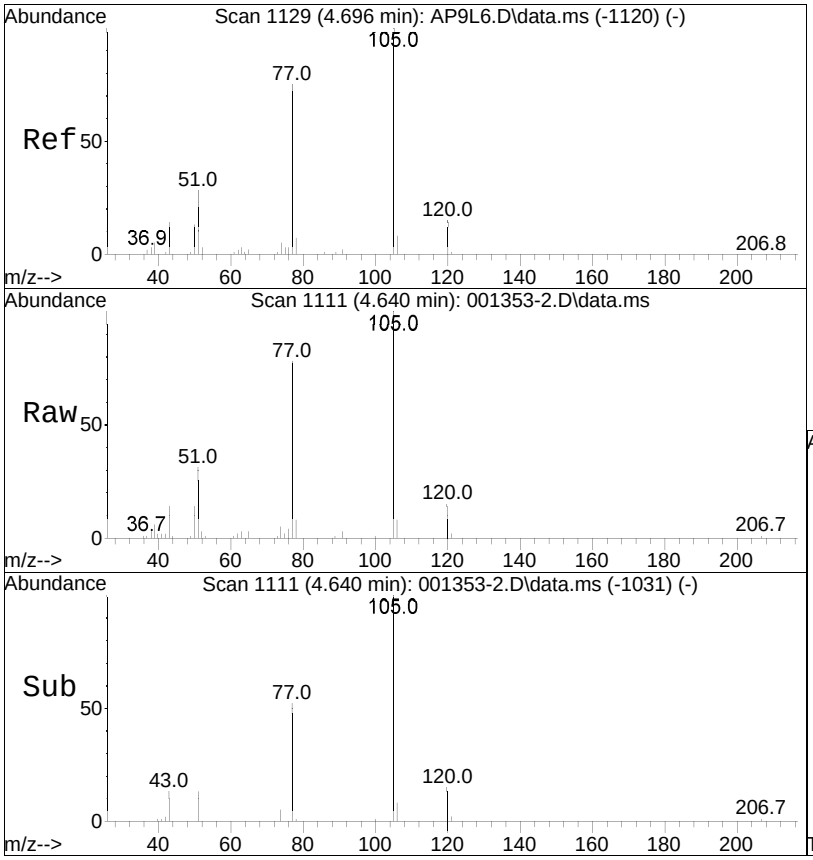


#28
Benzaldehyde
Concen: 2.04 ug/ml
RT: 3.788 min Scan# 837
Delta R.T. -0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:105 Resp: 8333

Ion	Ratio	Lower	Upper
105	100		
77	104.7	82.2	123.4

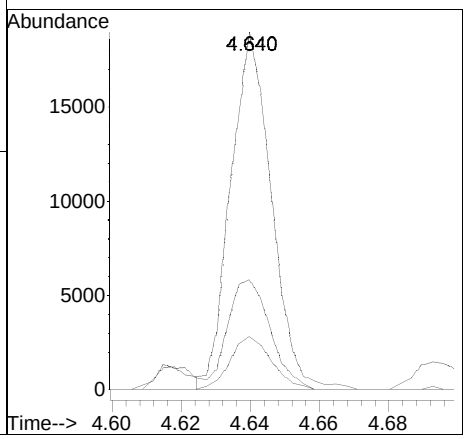


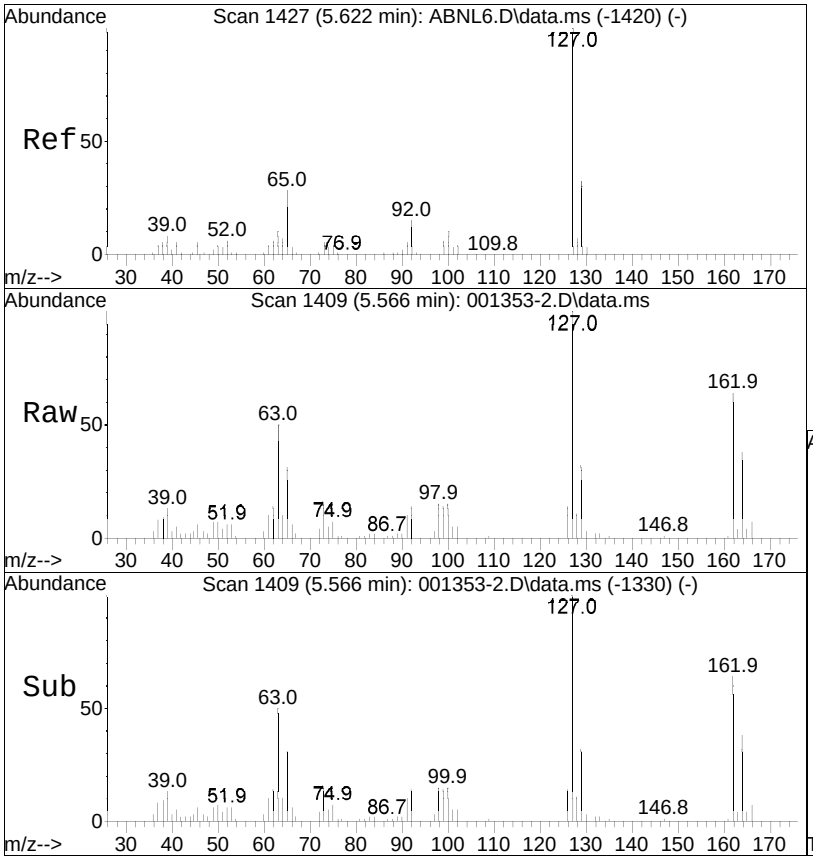


#29
Acetophenone
Concen: 1.89 ug/ml
RT: 4.640 min Scan# 1111
Delta R.T. -0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:105 Resp: 15391

Ion	Ratio	Lower	Upper
105	100		
120	15.1	20.5	30.7#
51	32.0	34.9	52.3#

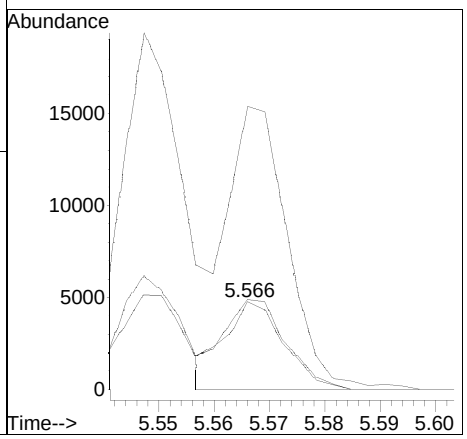


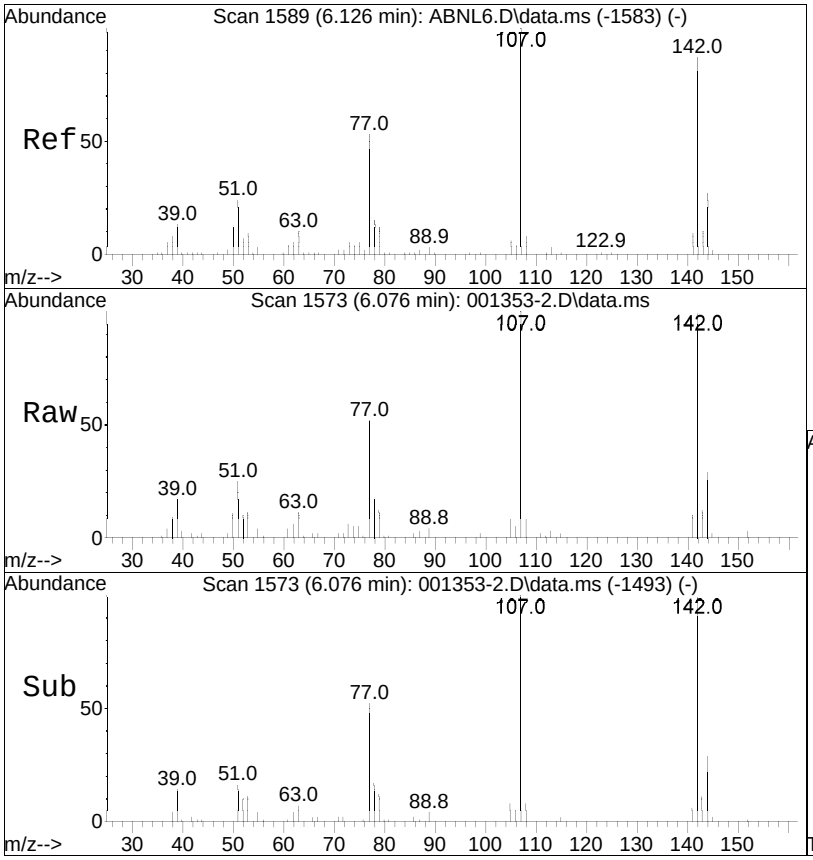


#40
4-Chloroaniline
Concen: 1.31 ug/ml
RT: 5.566 min Scan# 1409
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 65 Resp: 3602

Ion	Ratio	Lower	Upper
65	100		
127	306.6	237.6	356.4
129	107.8	76.3	114.5

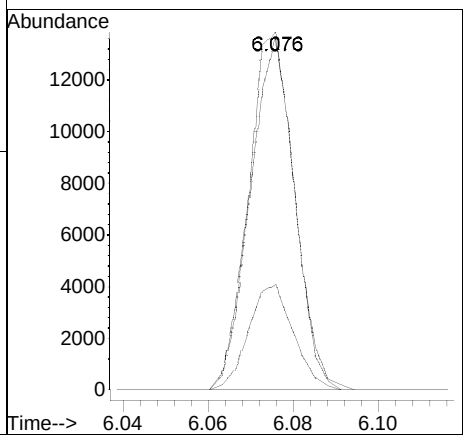


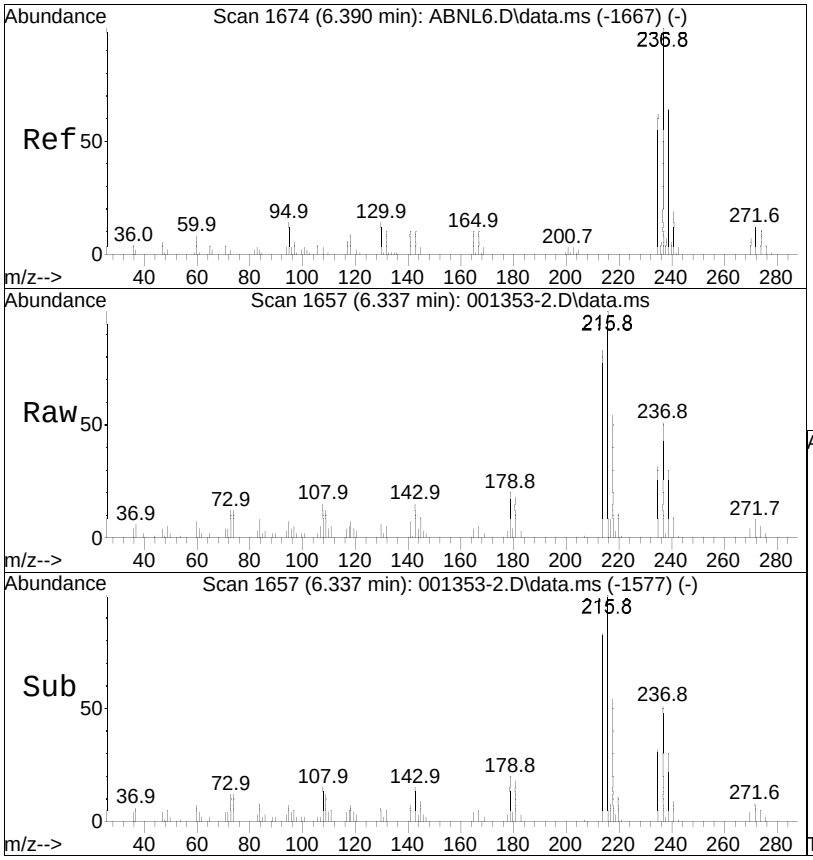


#42
p-Chloro-m-cresol
Concen: 1.57 ug/ml
RT: 6.076 min Scan# 1573
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:107 Resp: 10309

Ion	Ratio	Lower	Upper
107	100		
144	28.8	20.9	31.3
142	94.6	66.1	99.1

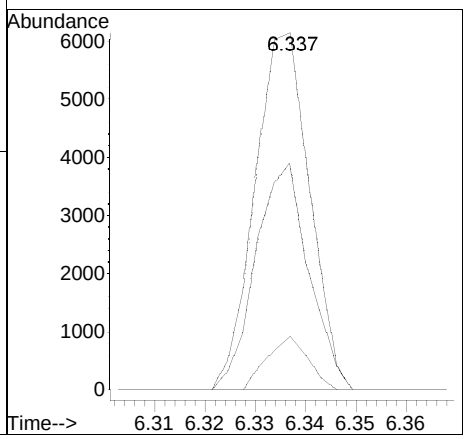


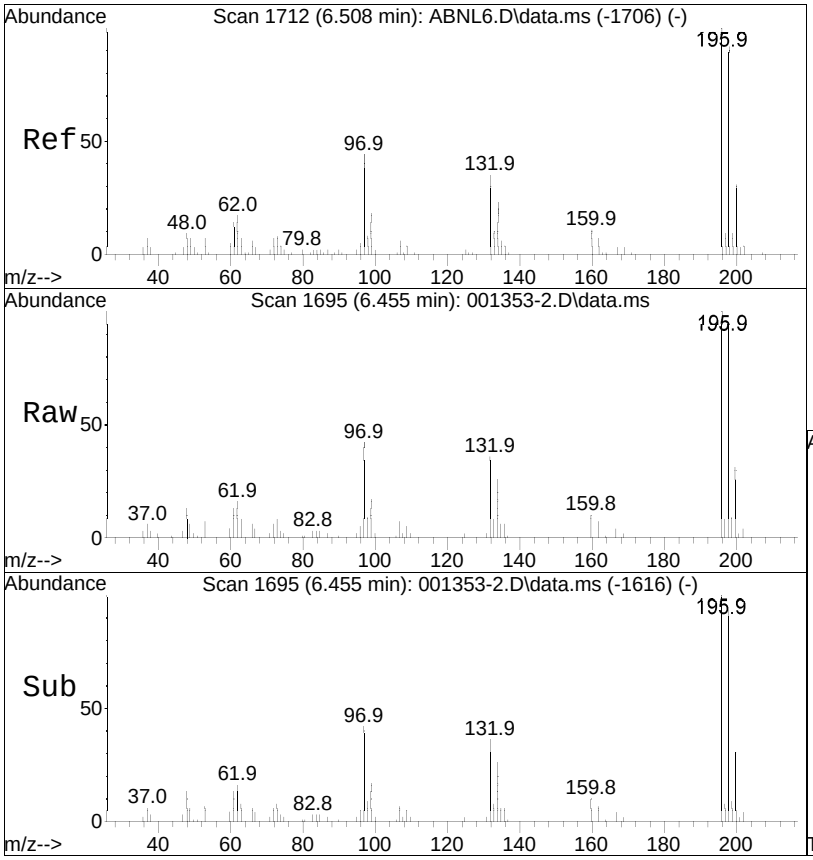


#45
Hexachlorocyclopentadiene
Concen: 0.75 ug/ml
RT: 6.337 min Scan# 1657
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:237 Resp: 4619

Ion	Ratio	Lower	Upper
237	100		
235	61.6	49.7	74.5
272	11.3	9.8	14.6

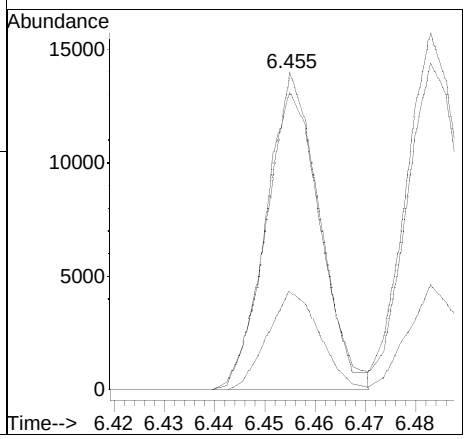


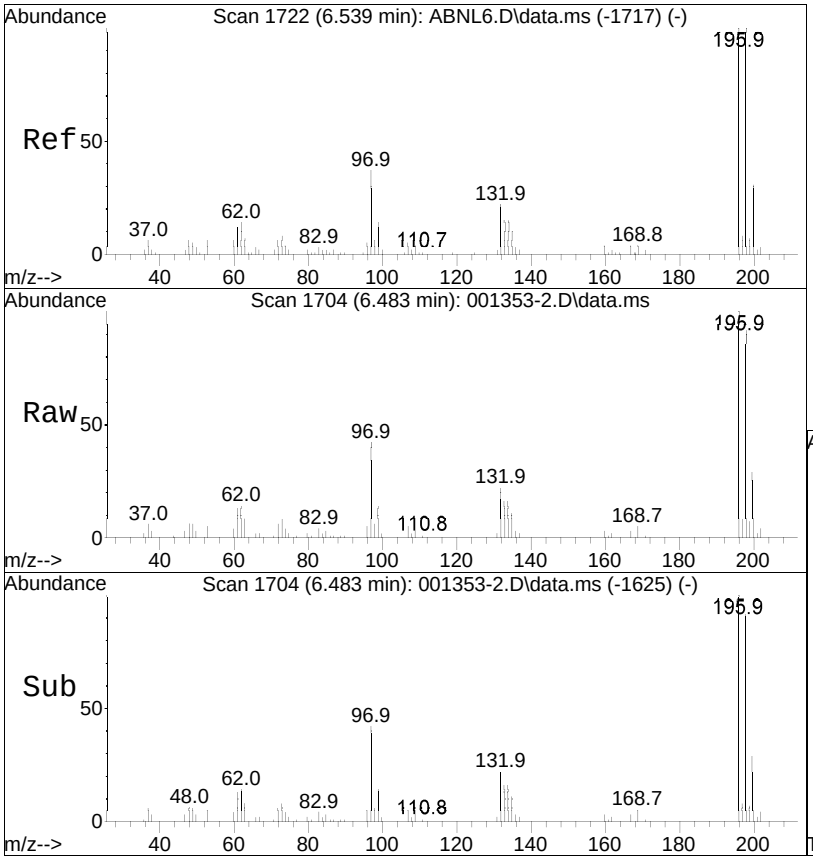


#46
2,4,6-Trichlorophenol
Concen: 1.57 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:196 Resp: 10219

Ion	Ratio	Lower	Upper
196	100		
198	98.3	77.5	116.3
200	30.7	23.8	35.6

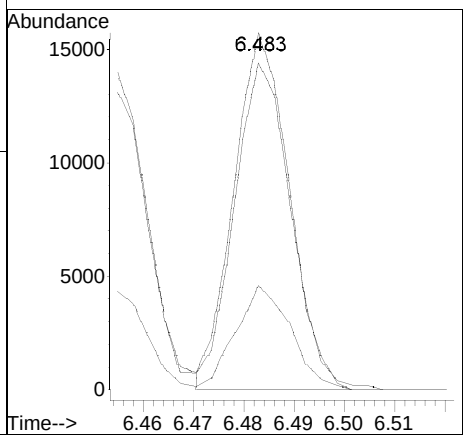


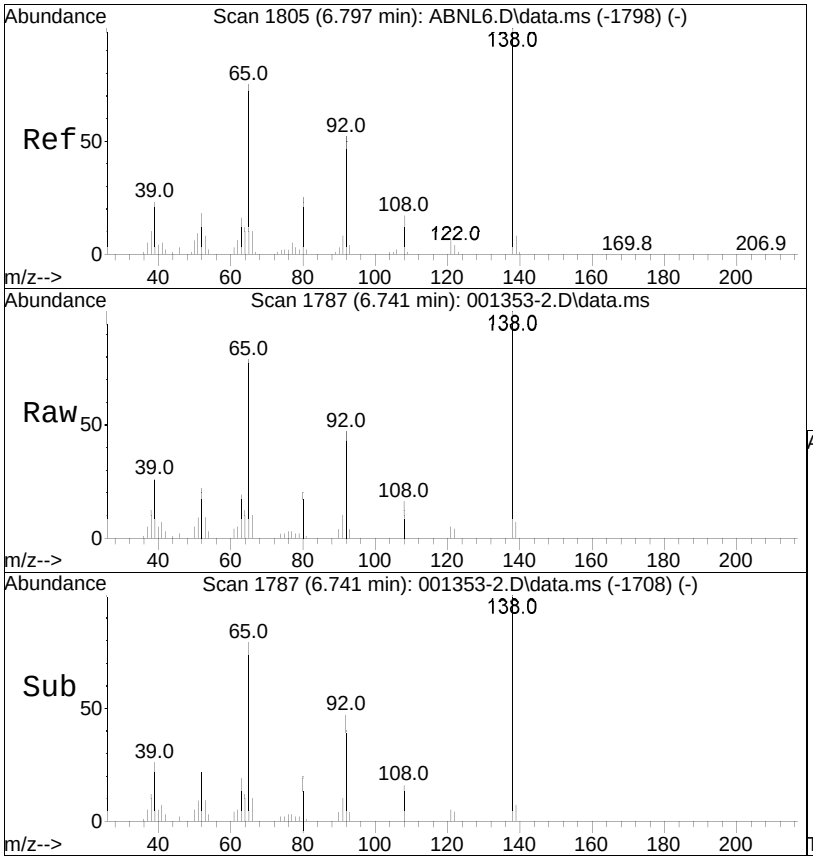


#47
2,4,5-Trichlorophenol
Concen: 1.65 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:196 Resp: 12014

Ion	Ratio	Lower	Upper
196	100		
200	29.0	25.4	38.0
198	93.2	78.0	117.0

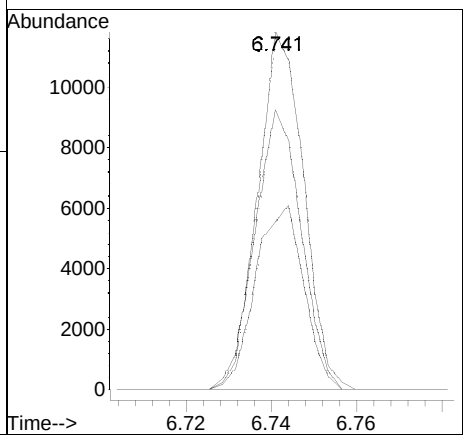


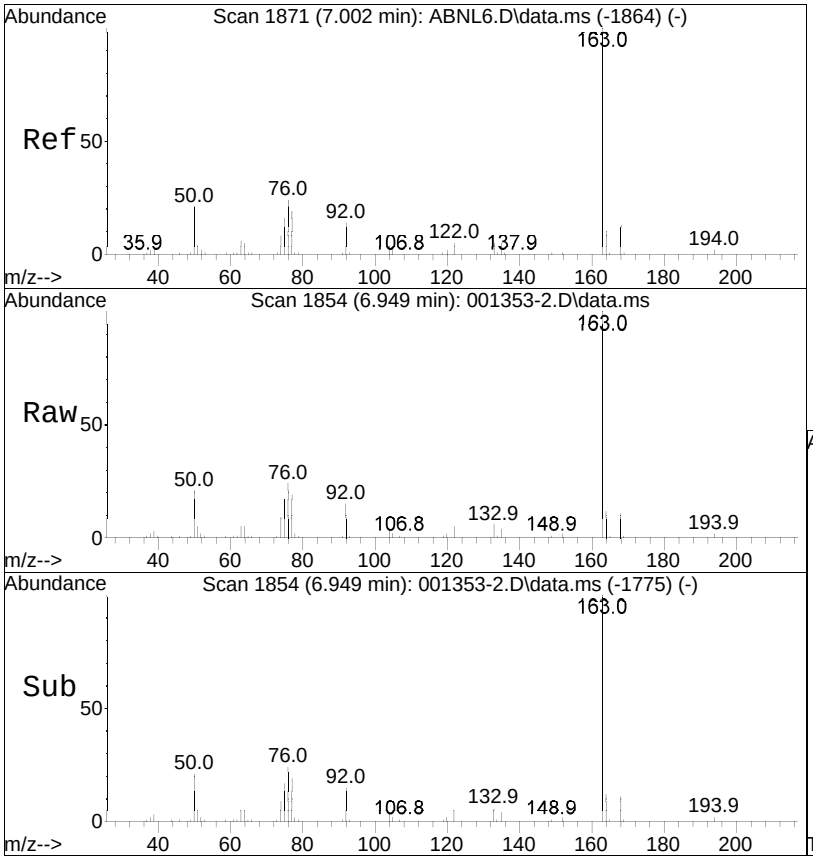


#50
2-Nitroaniline
Concen: 1.78 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:138 Resp: 8798

Ion	Ratio	Lower	Upper
138	100		
92	54.4	53.5	80.3
65	79.3	86.3	129.5#

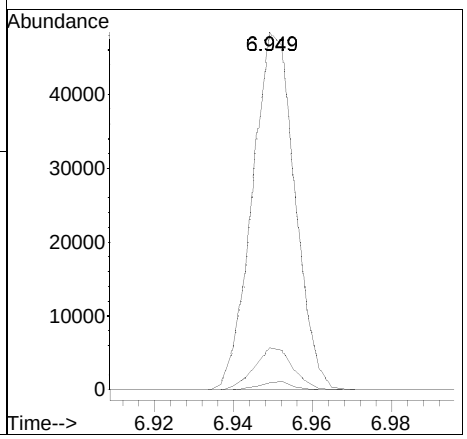


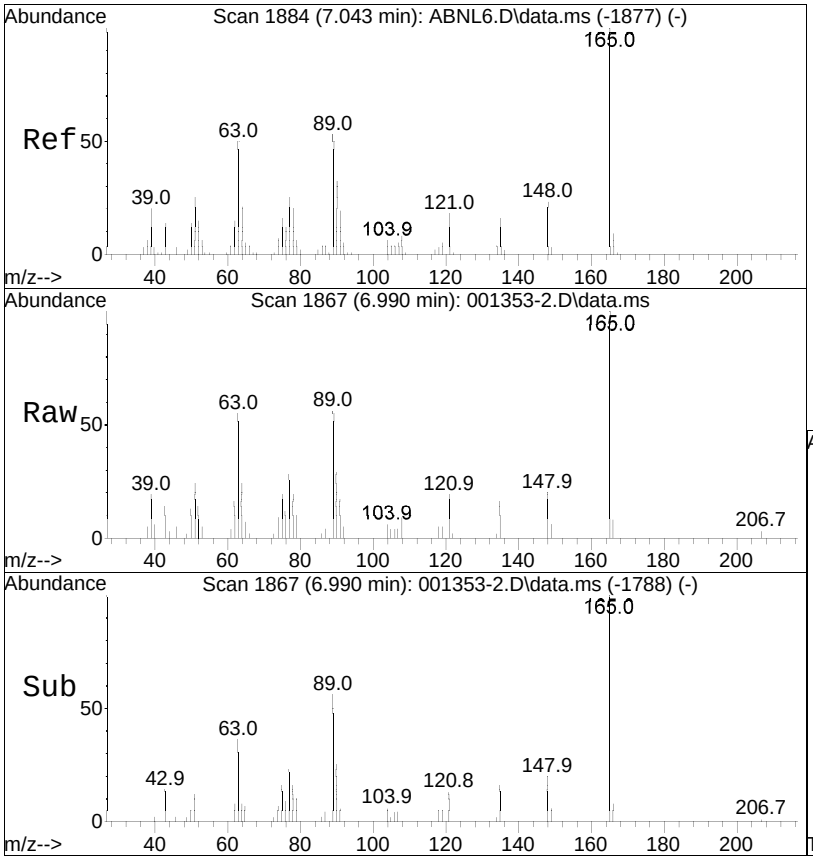


#53
Dimethyl phthalate
Concen: 1.60 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:163 Resp: 35942

Ion	Ratio	Lower	Upper
163	100		
194	2.0	3.5	5.3#
164	10.9	7.9	11.9

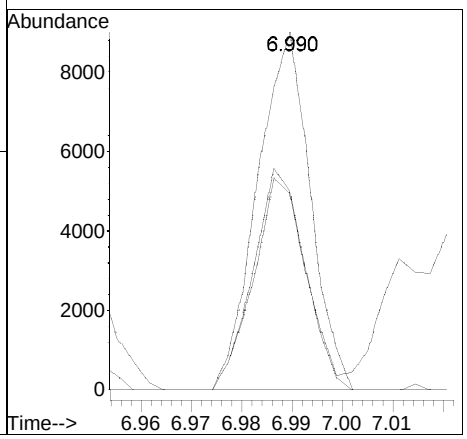


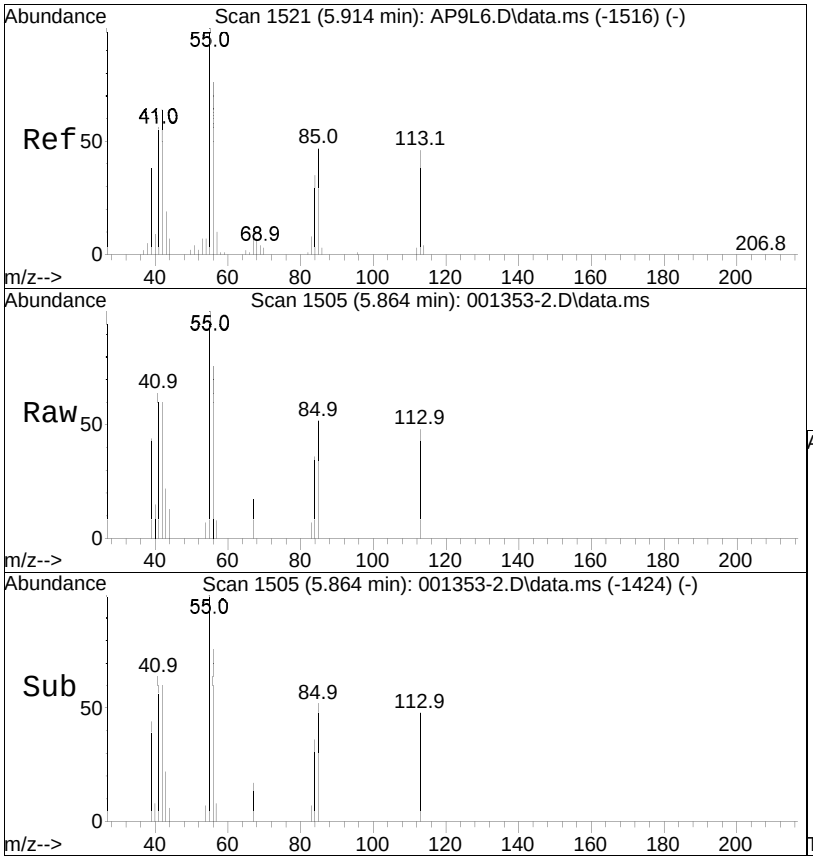


#55
2,6-Dinitrotoluene
Concen: 1.56 ug/ml
RT: 6.990 min Scan# 1867
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:165 Resp: 6553

Ion	Ratio	Lower	Upper
165	100		
89	60.8	54.2	81.2
63	59.0	64.2	96.2#

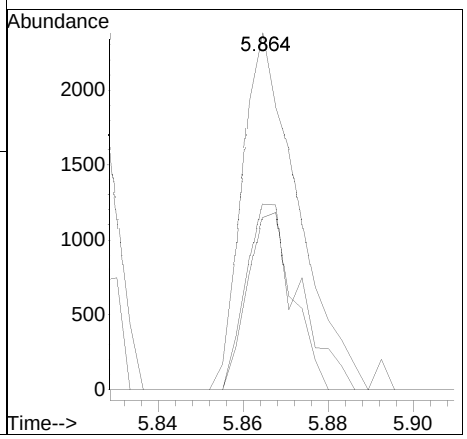


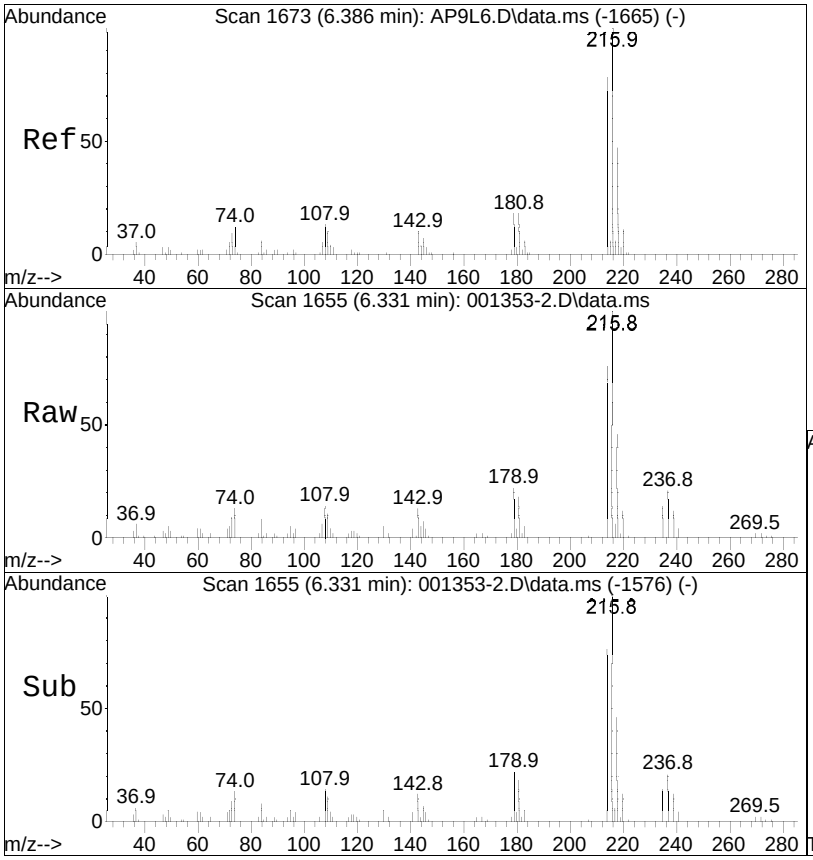


#62
Caprolactam
Concen: 0.78 ug/ml
RT: 5.864 min Scan# 1505
Delta R.T. 0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 55 Resp: 2169

Ion	Ratio	Lower	Upper
55	100		
85	48.7	19.8	29.6#
113	40.7	29.6	44.4

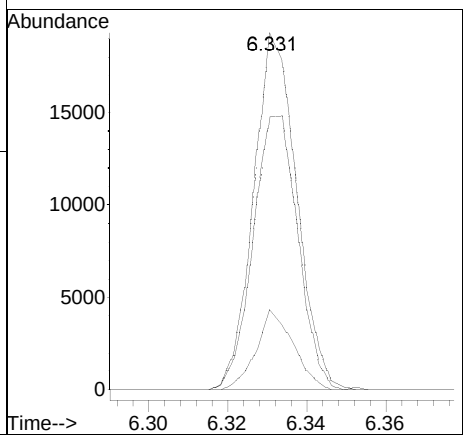


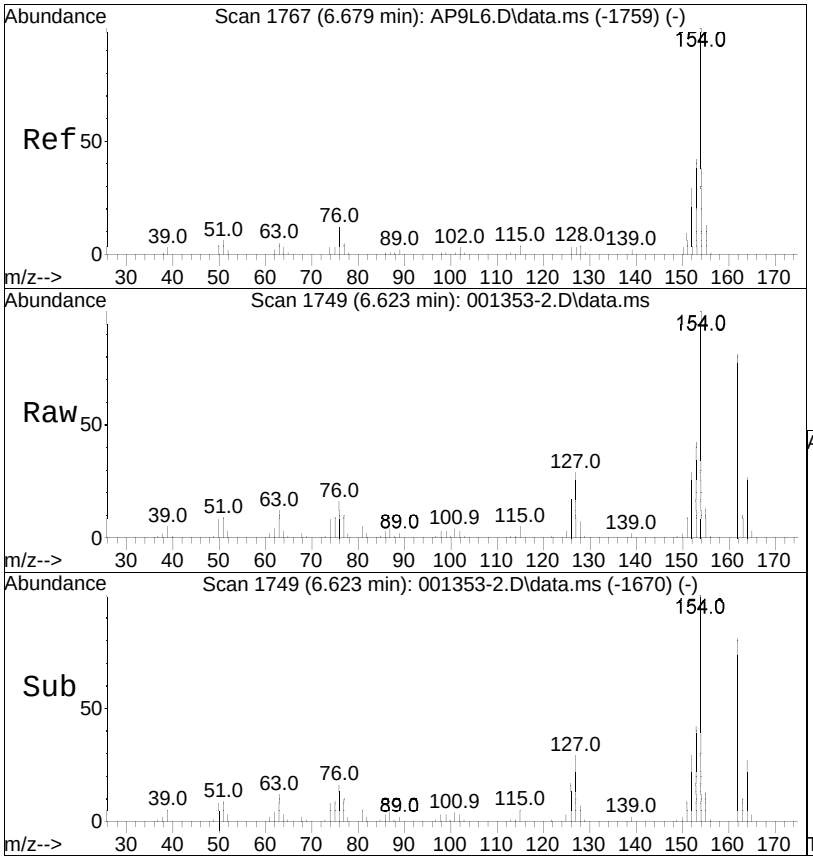


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.56 ug/ml
RT: 6.331 min Scan# 1655
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:216 Resp: 14615

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.7	95.5
179	19.4	19.0	28.6

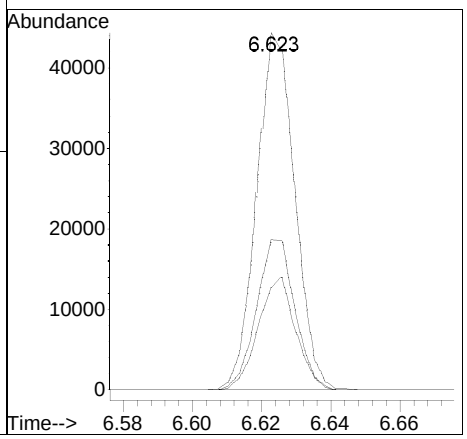


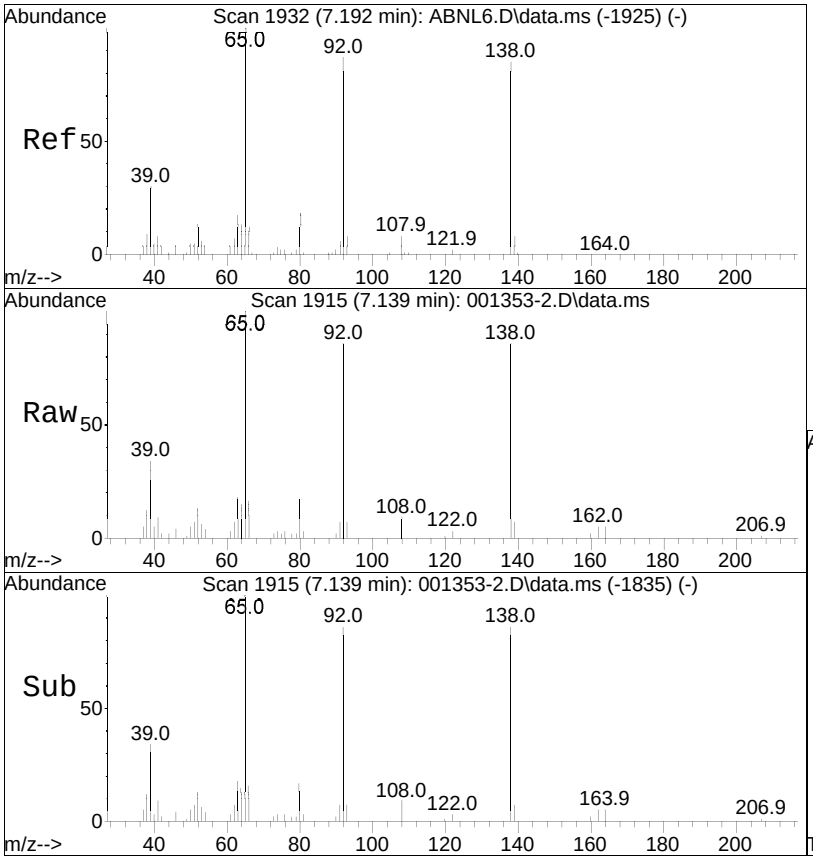


#64
Biphenyl
Concen: 1.78 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:154 Resp: 33881

Ion	Ratio	Lower	Upper
154	100		
153	42.4	32.3	48.5
152	30.9	22.5	33.7

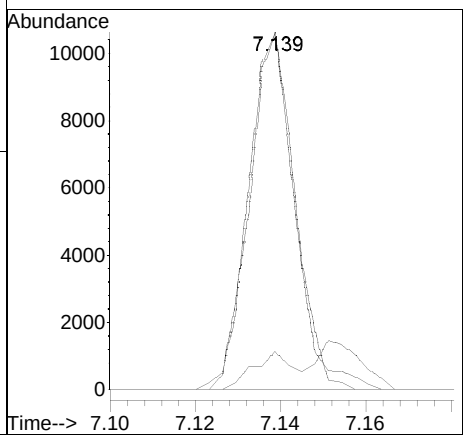


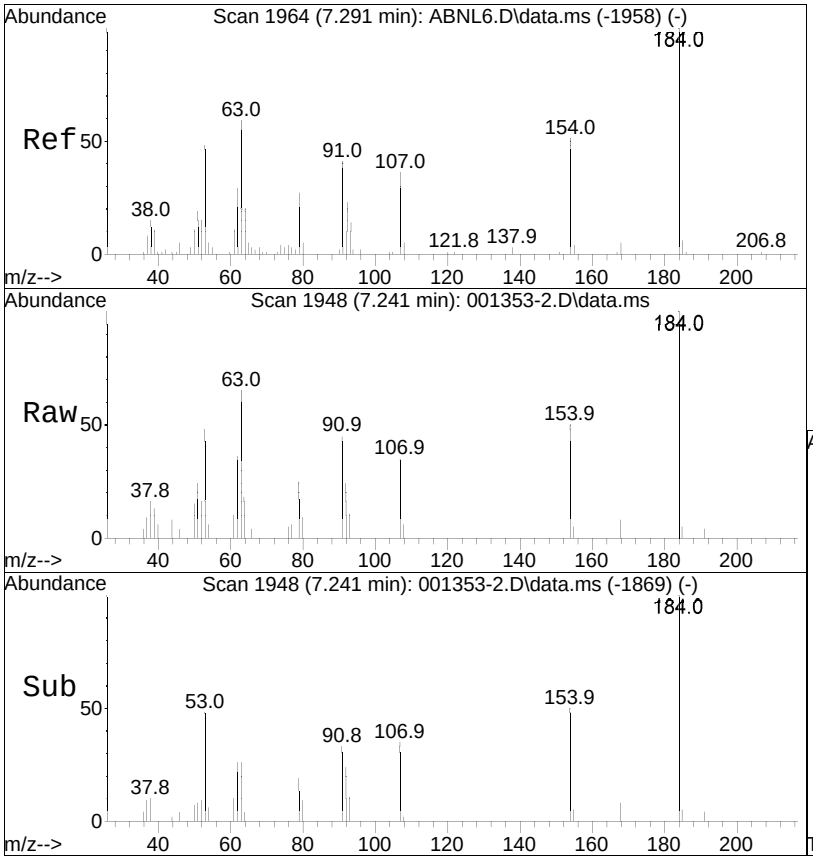


#66
3-Nitroaniline
Concen: 1.64 ug/ml
RT: 7.139 min Scan# 1915
Delta R.T. -0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:138 Resp: 7802

Ion	Ratio	Lower	Upper
138	100		
92	102.1	93.4	140.2
108	9.7	9.5	14.3

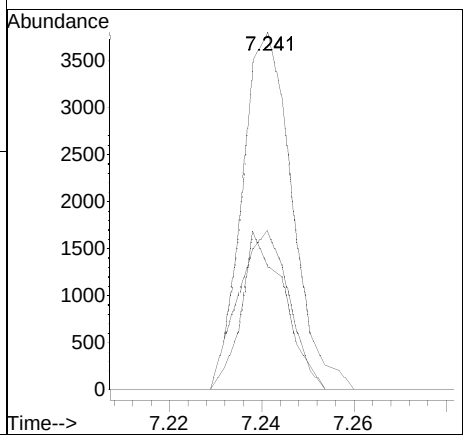


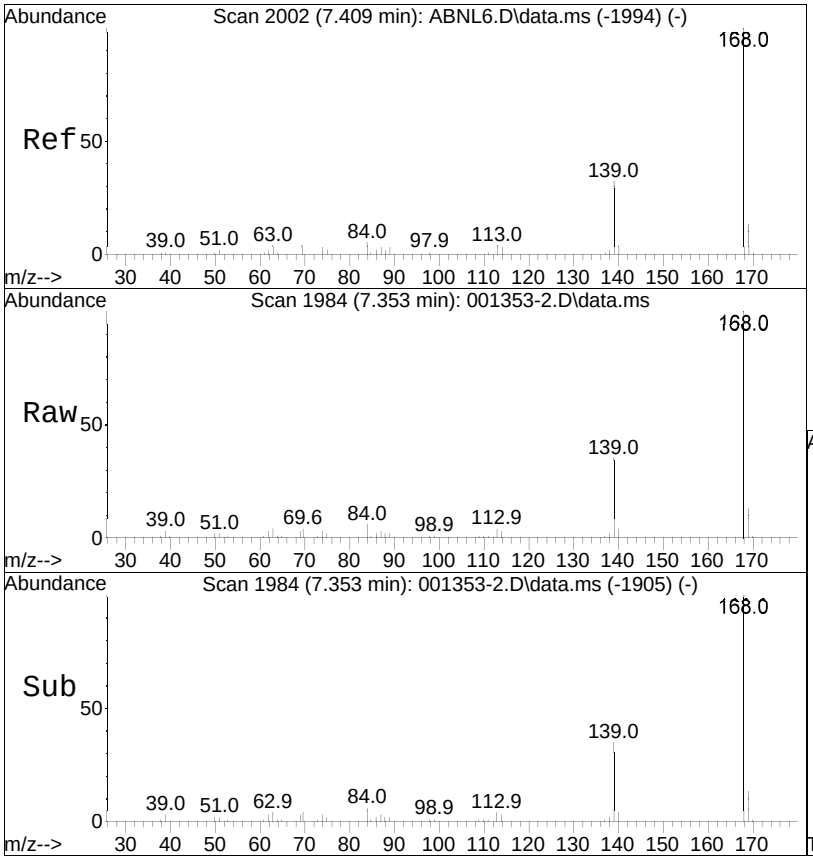


#68
2,4-Dinitrophenol
Concen: 0.98 ug/ml
RT: 7.241 min Scan# 1948
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:184 Resp: 2840

Ion	Ratio	Lower	Upper
184	100		
107	38.0	37.7	56.5
91	45.3	46.3	69.5#

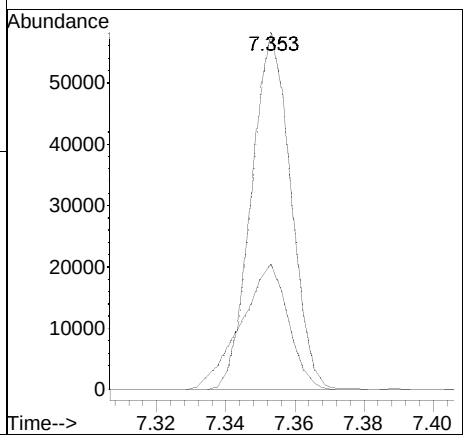


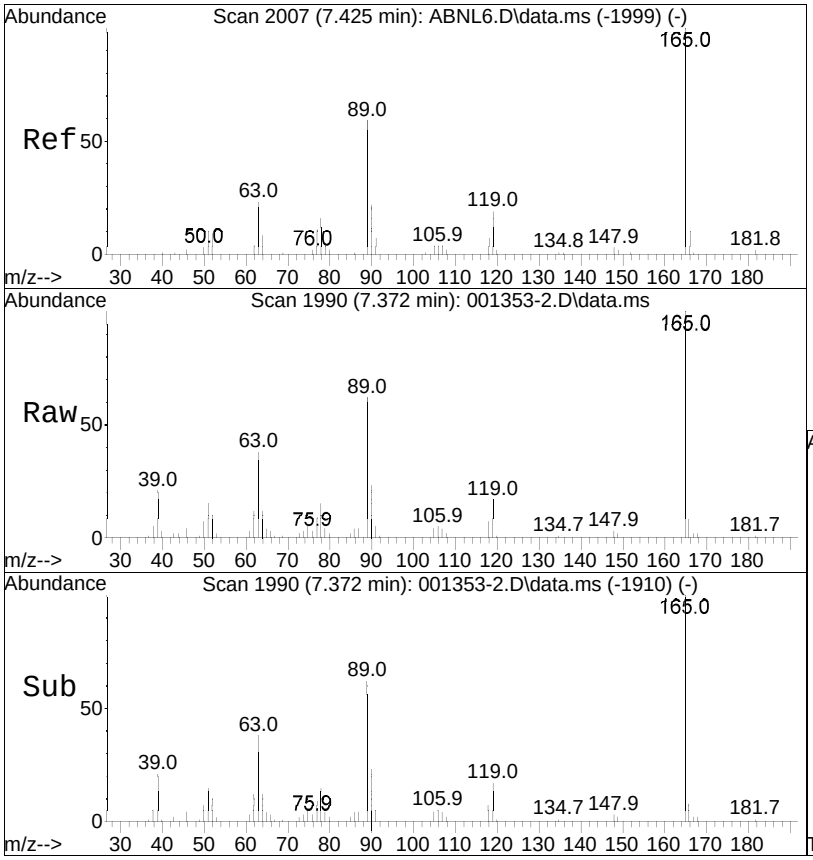


#69
Dibenzofuran
Concen: 1.47 ug/ml
RT: 7.353 min Scan# 1984
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:168 Resp: 45503

Ion	Ratio	Lower	Upper
168	100		
139	42.7	31.4	47.2

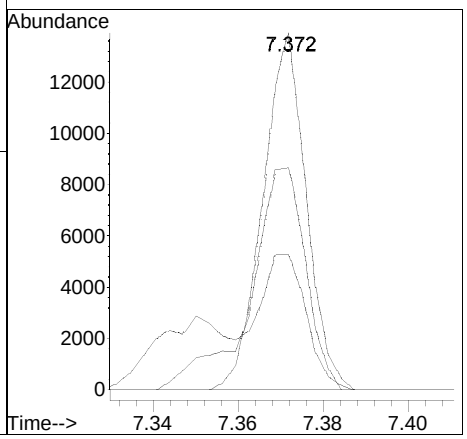


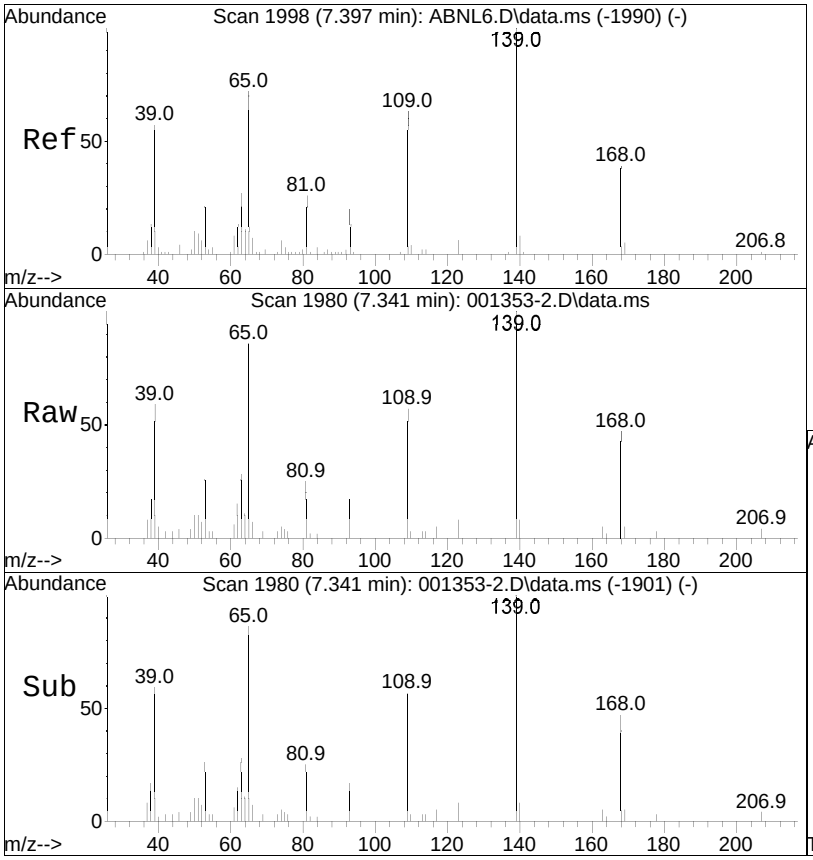


#70
2,4-Dinitrotoluene
Concen: 1.64 ug/ml
RT: 7.372 min Scan# 1990
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:165 Resp: 9776

Ion	Ratio	Lower	Upper
165	100		
89	80.0	72.0	108.0
63	42.4	52.7	79.1#

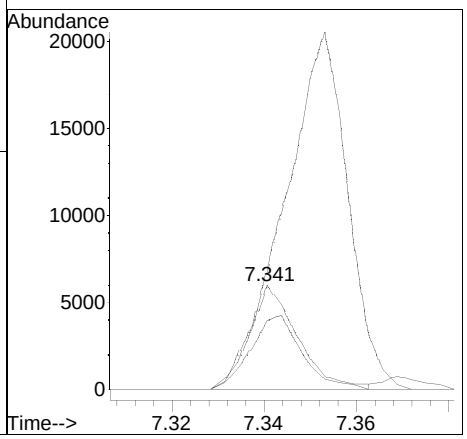


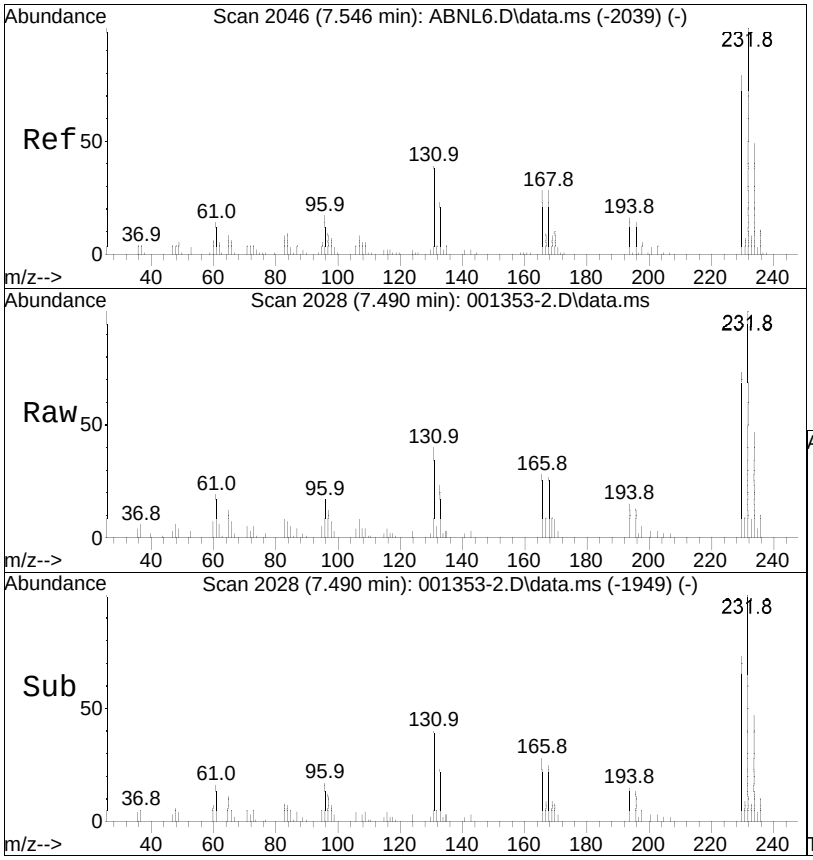


#71
4-Nitrophenol
Concen: 1.24 ug/ml
RT: 7.341 min Scan# 1980
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion: 65 Resp: 4390

Ion	Ratio	Lower	Upper
65	100		
109	74.9	47.4	71.2#
139	442.6	76.6	115.0#

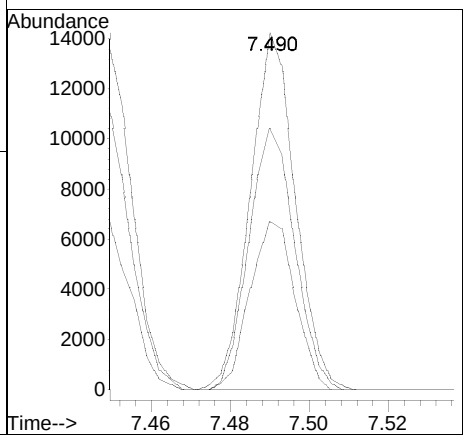


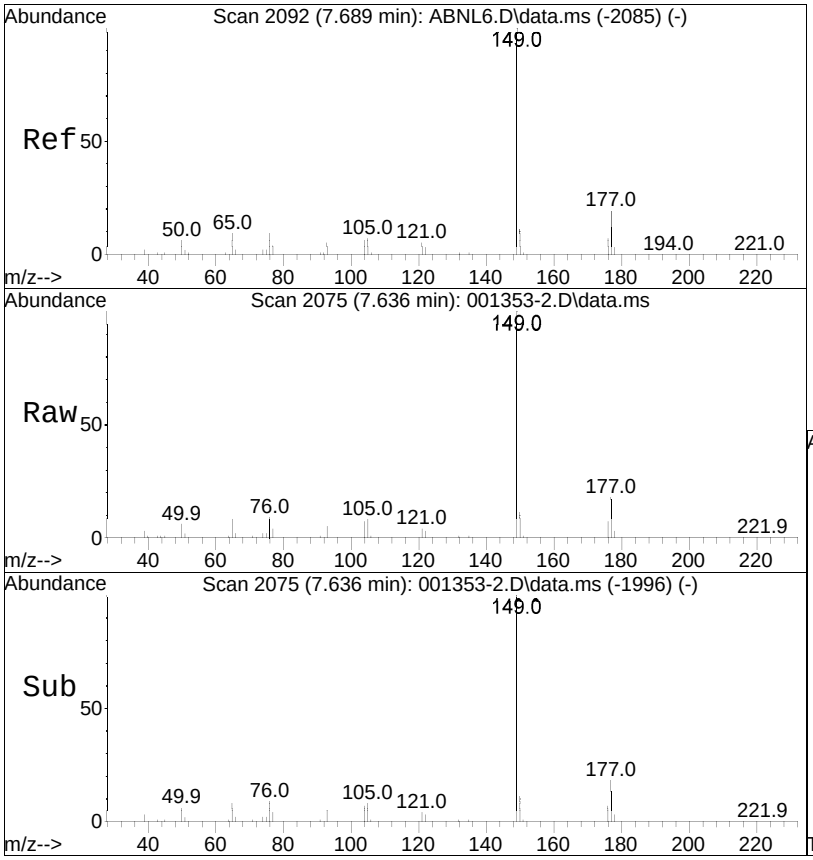


#73
2,3,4,6-Tetrachlorophenol
Concen: 1.71 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:232 Resp: 11291

Ion	Ratio	Lower	Upper
232	100		
230	74.6	61.8	92.8
234	47.2	36.2	54.2

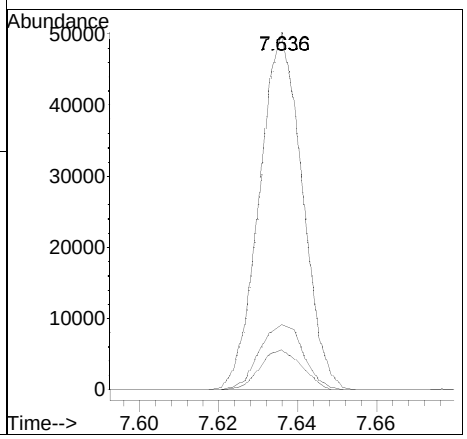


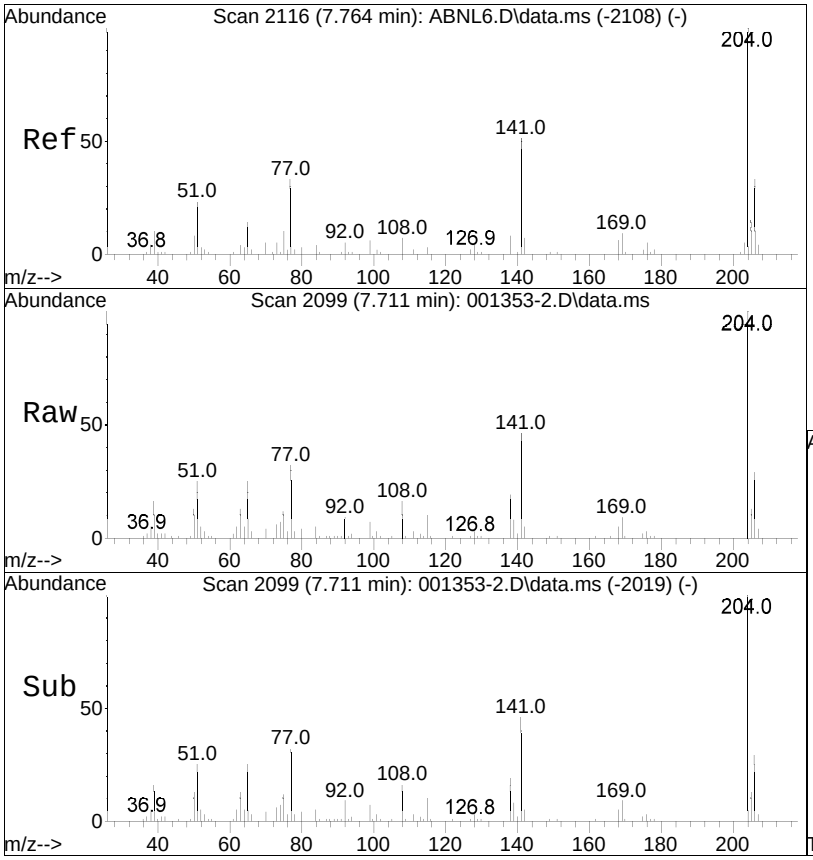


#74
Diethyl phthalate
Concen: 1.54 ug/ml
RT: 7.636 min Scan# 2075
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:149 Resp: 37400

Ion	Ratio	Lower	Upper
149	100		
177	18.9	16.1	24.1
150	11.1	9.4	14.2

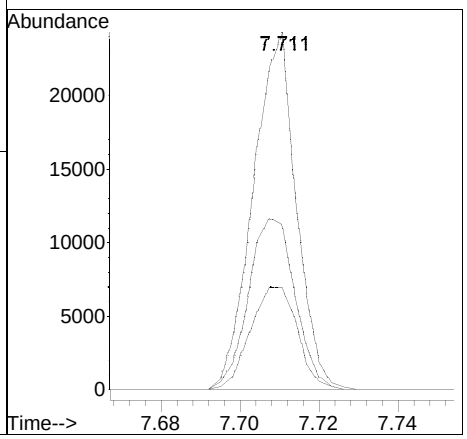


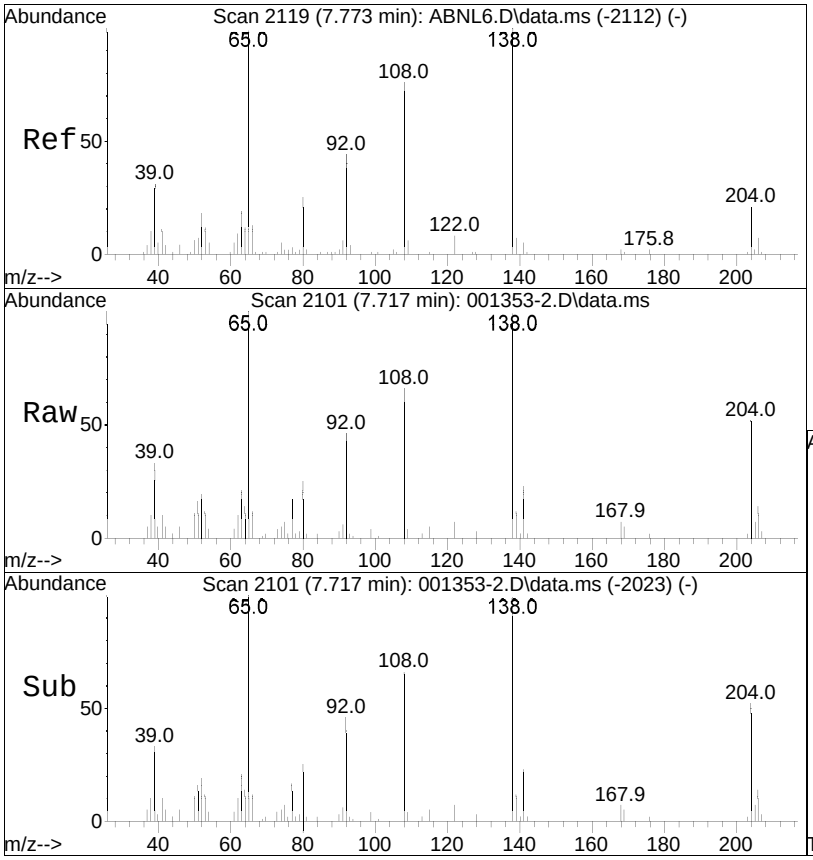


#76
4-Chlorophenyl phenyl ether
Concen: 1.50 ug/ml
RT: 7.711 min Scan# 2099
Delta R.T. 0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:204 Resp: 18255

Ion	Ratio	Lower	Upper
204	100		
206	31.5	25.8	38.6
141	52.0	53.6	80.4#

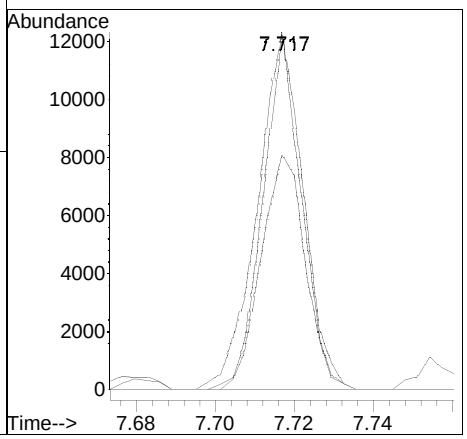


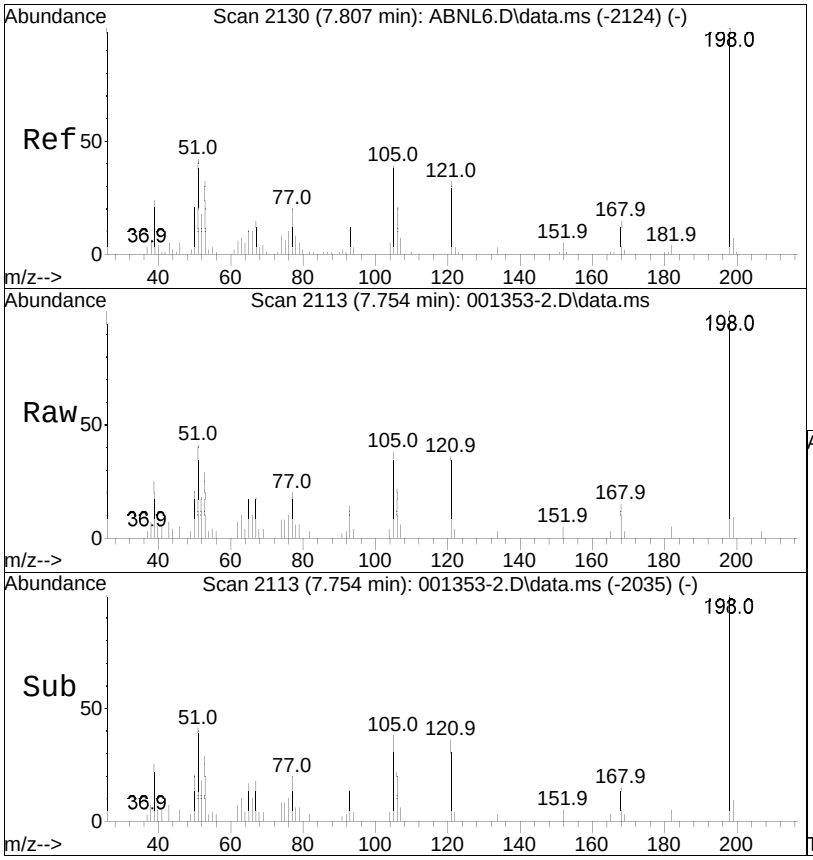


#77
4-Nitroaniline
Concen: 1.89 ug/ml
RT: 7.717 min Scan# 2101
Delta R.T. -0.006 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:138 Resp: 8681

Ion	Ratio	Lower	Upper
138	100		
108	72.0	52.1	78.1
65	108.6	115.0	172.6#

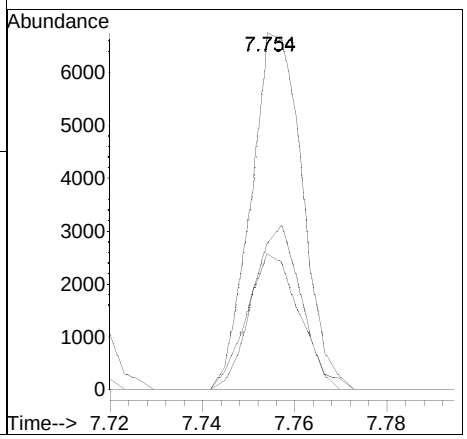


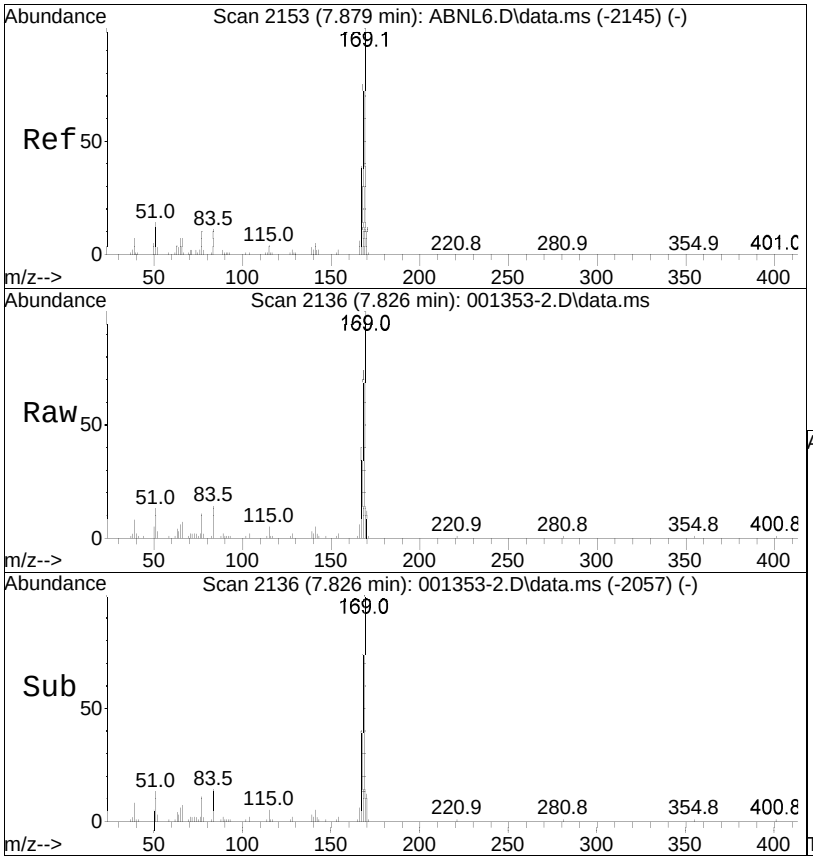


#78
4,6-Dinitro-o-cresol
Concen: 1.44 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.006 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:198 Resp: 5193

Ion	Ratio	Lower	Upper
198	100		
51	45.5	76.0	114.0#
105	37.5	45.6	68.4#

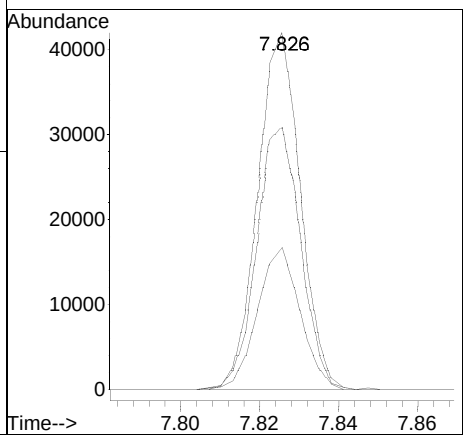


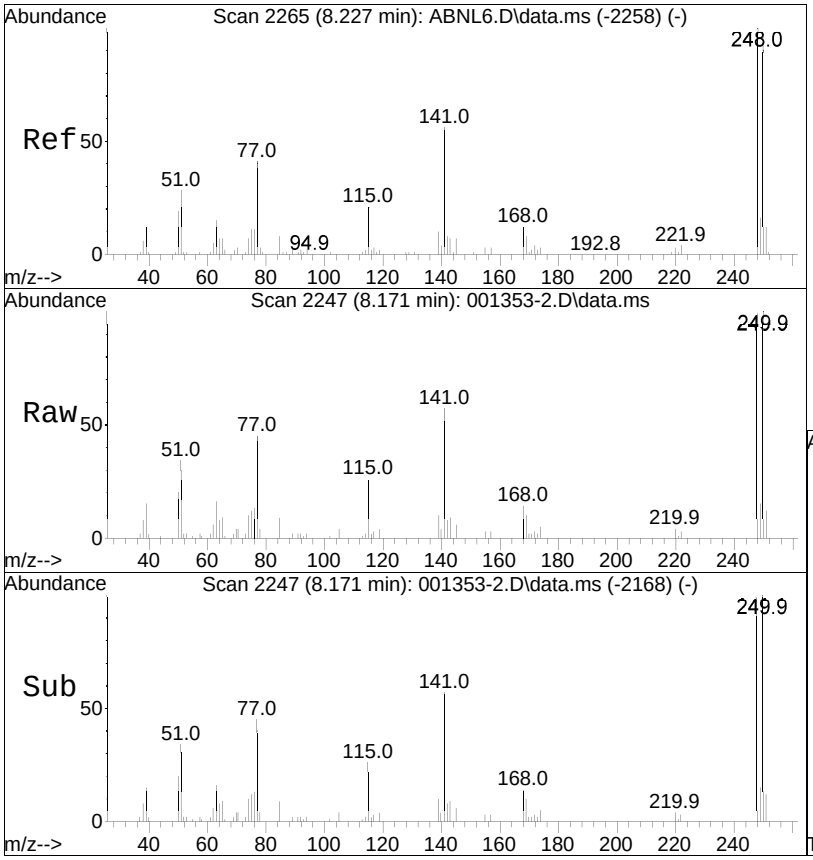


#79
NDPA/DPA
Concen: 1.52 ug/ml
RT: 7.826 min Scan# 2136
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:169 Resp: 31322

Ion	Ratio	Lower	Upper
169	100		
168	76.0	54.0	81.0
167	40.1	28.6	42.8

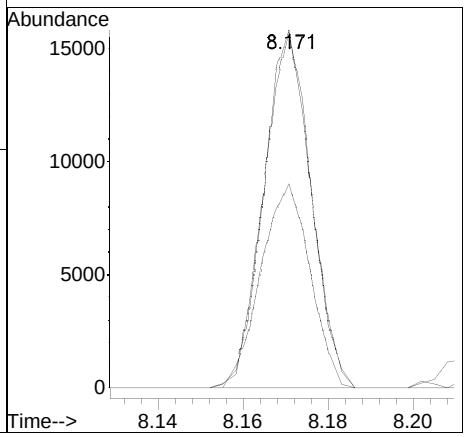


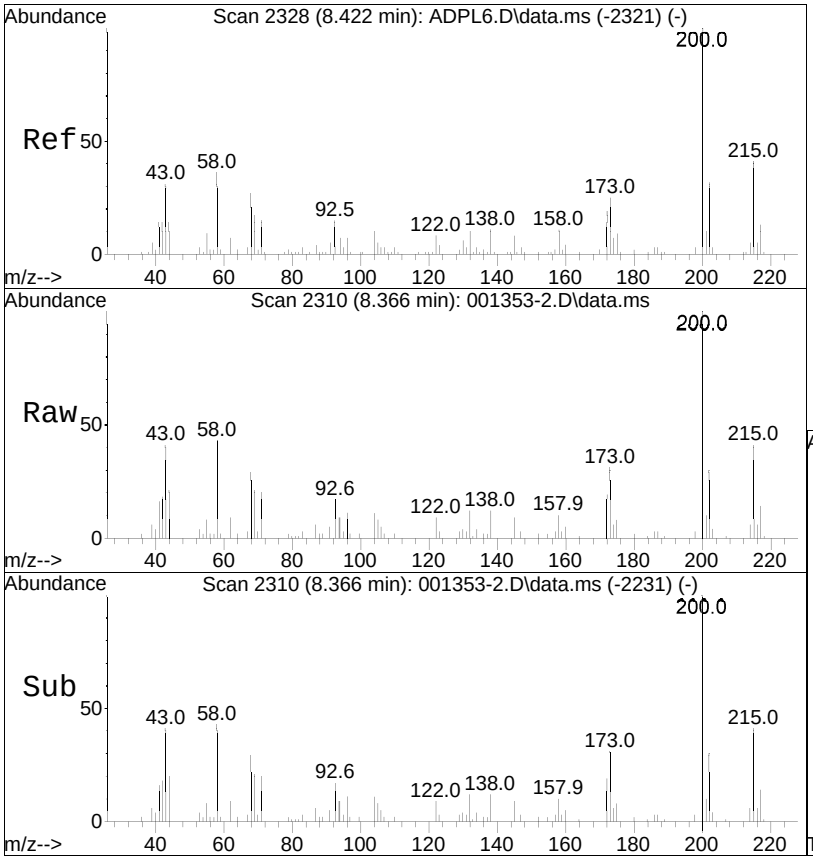


#82
4-Bromophenyl phenyl ether
Concen: 1.50 ug/ml
RT: 8.171 min Scan# 2247
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:248 Resp: 12059

Ion	Ratio	Lower	Upper
248	100		
141	59.7	76.6	114.8#
250	99.9	77.3	115.9

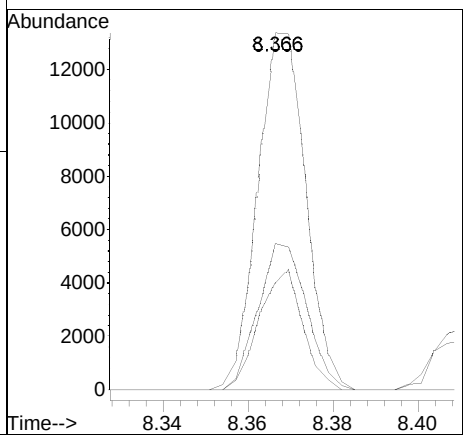


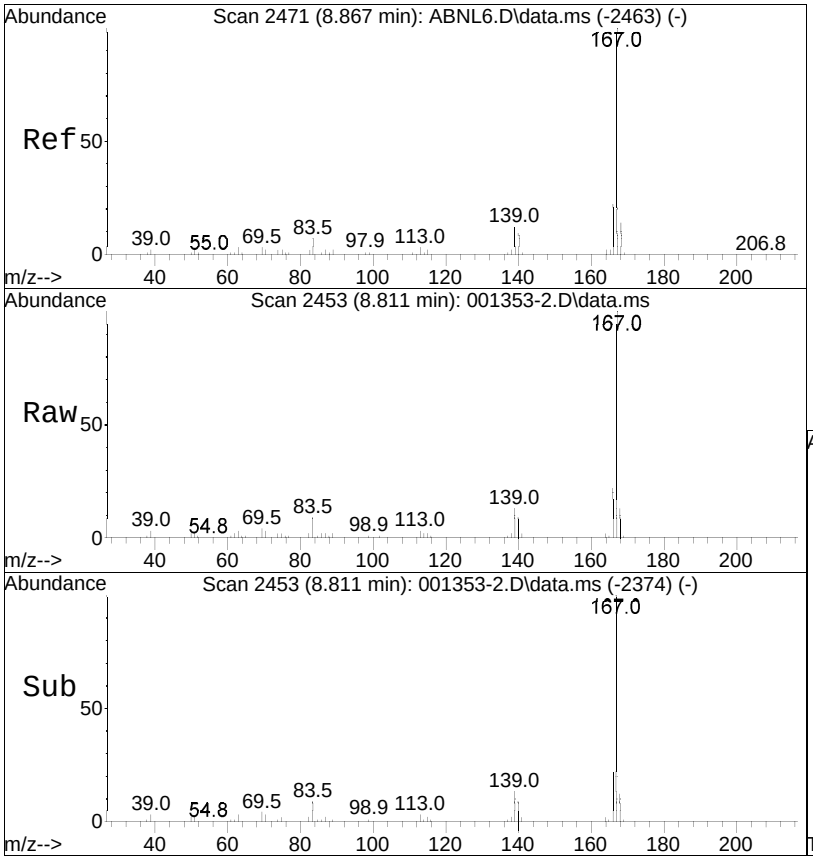


#89
Atrazine
Concen: 1.97 ug/ml
RT: 8.366 min Scan# 2310
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:200 Resp: 10415

Ion	Ratio	Lower	Upper
200	100		
202	30.6	25.8	38.6
215	41.4	40.2	60.4

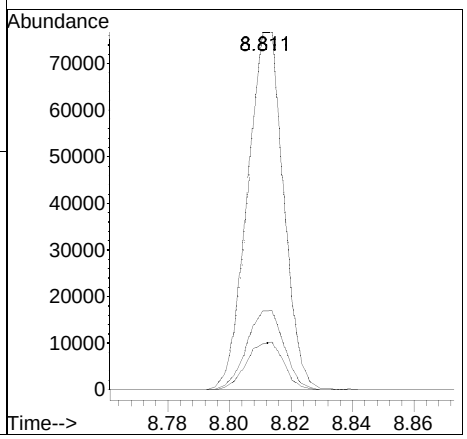


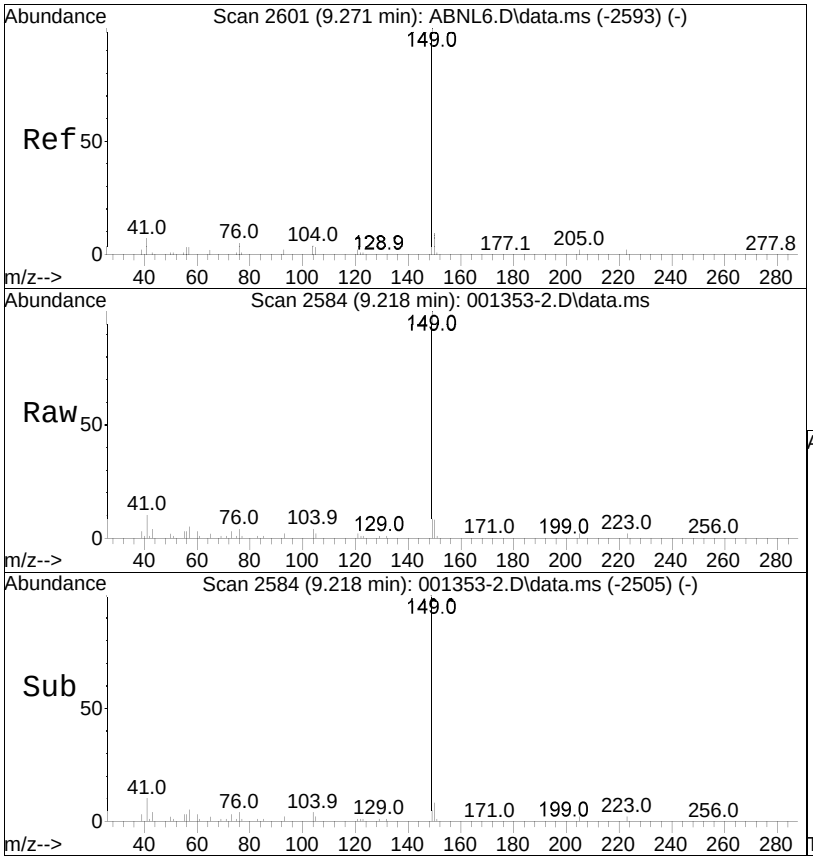


#93
Carbazole
Concen: 1.68 ug/ml
RT: 8.811 min Scan# 2453
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:167 Resp: 62108

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	23.1	17.4	26.0

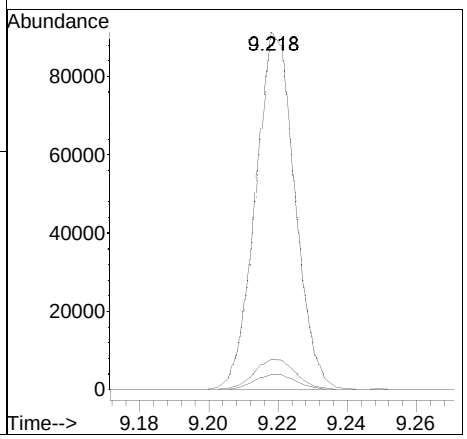


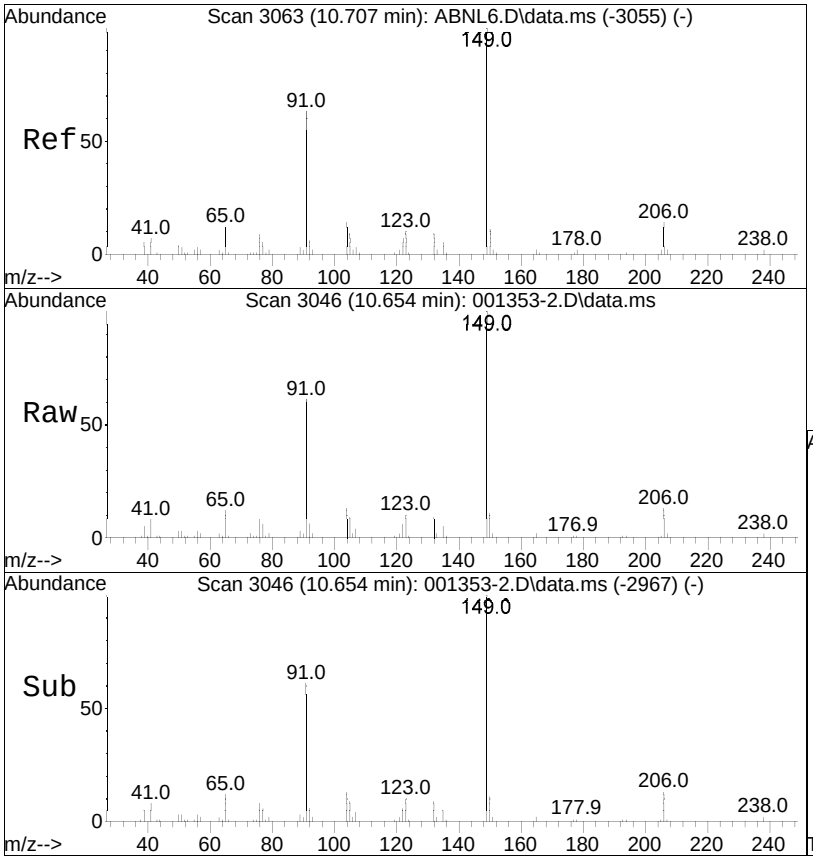


#94
Di-n-butylphthalate
Concen: 1.70 ug/ml
RT: 9.218 min Scan# 2584
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:149 Resp: 71354

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	4.3	4.5	6.7#

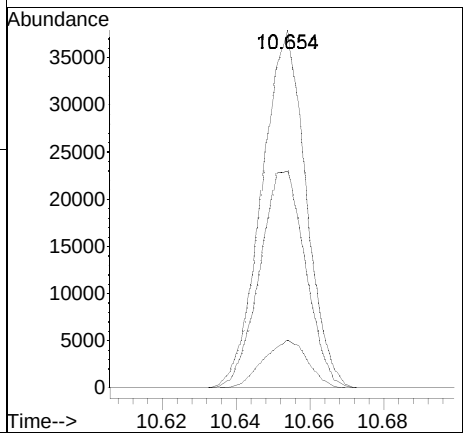


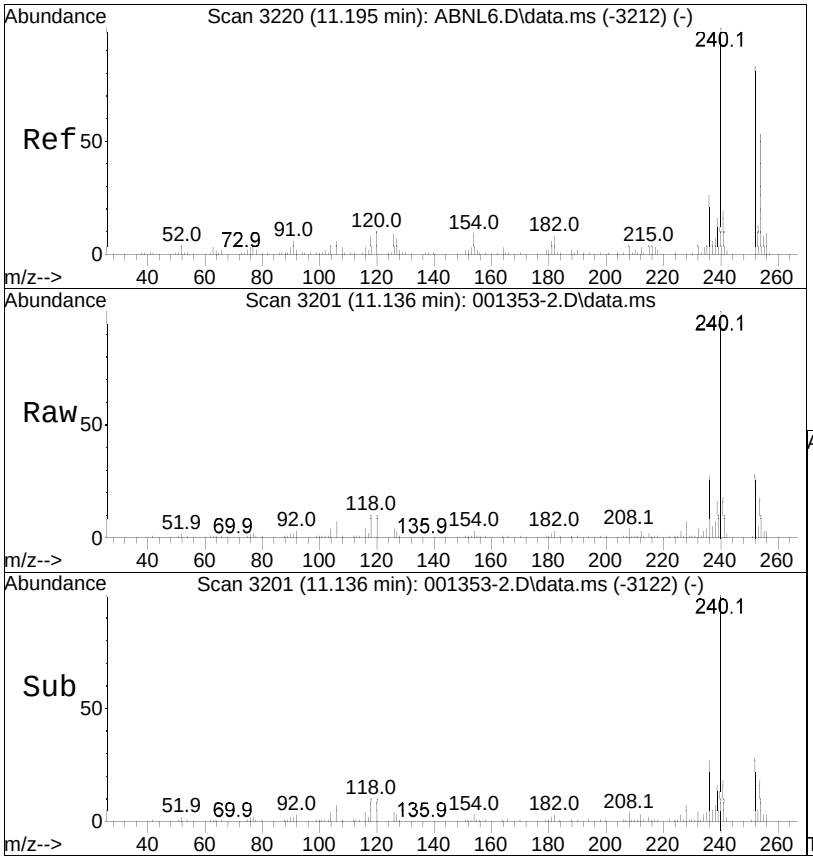


#99
Butyl benzyl phthalate
Concen: 1.74 ug/ml
RT: 10.654 min Scan# 3046
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:149 Resp: 31365

Ion	Ratio	Lower	Upper
149	100		
91	63.1	63.3	94.9#
206	13.5	13.9	20.9#

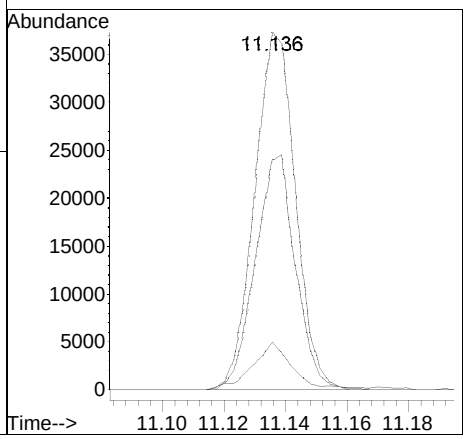


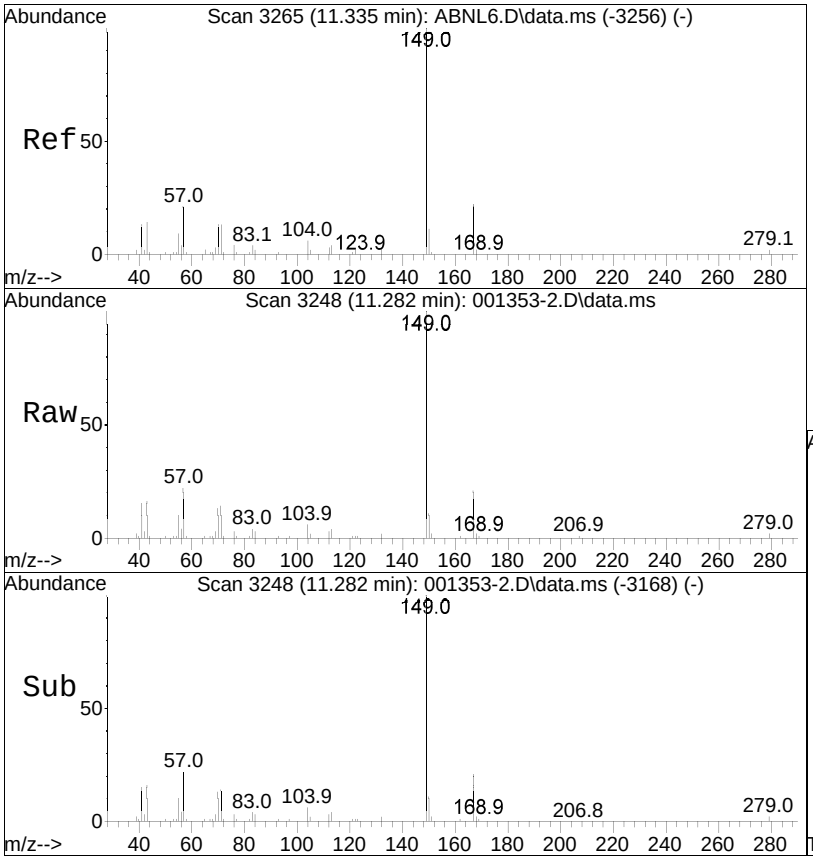


#108
3,3'-Dichlorobenzidine
Concen: 1.65 ug/ml
RT: 11.136 min Scan# 3201
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:252 Resp: 34192

Ion	Ratio	Lower	Upper
252	100		
126	12.9	14.5	21.7#
254	64.5	51.2	76.8

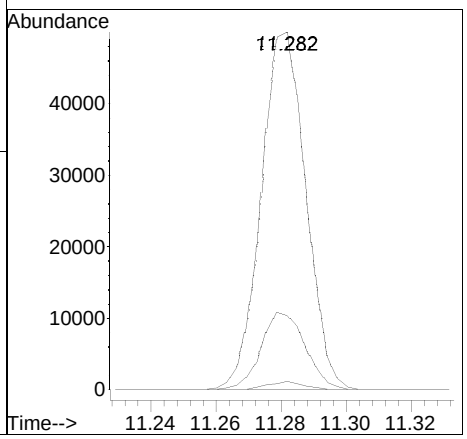


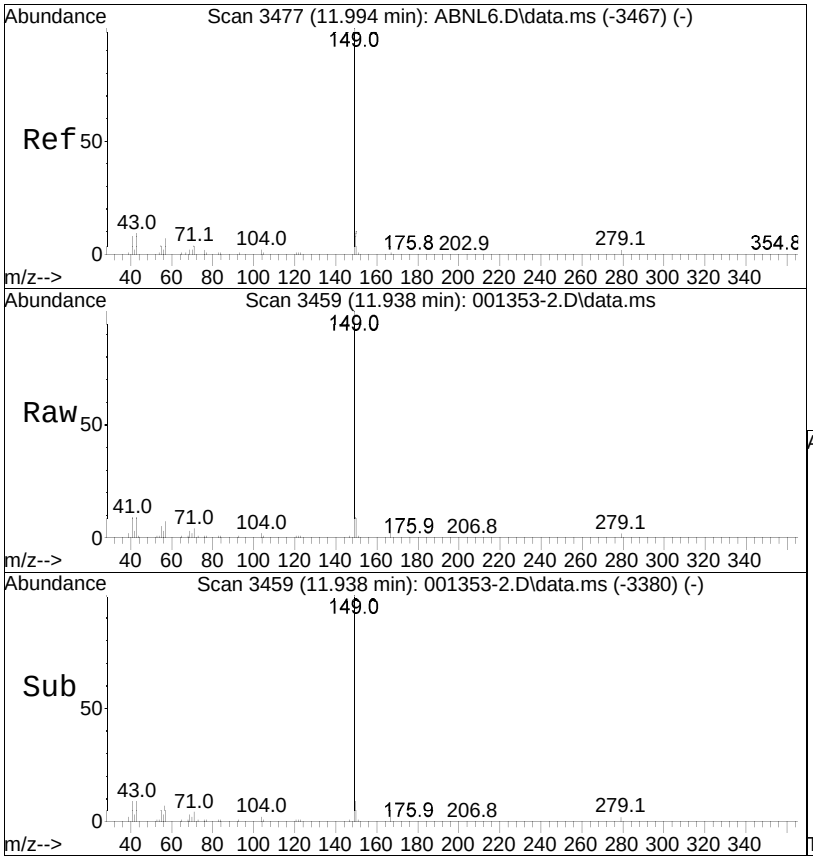


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.59 ug/ml
RT: 11.282 min Scan# 3248
Delta R.T. -0.000 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:149 Resp: 47298

Ion	Ratio	Lower	Upper
149	100		
167	21.5	22.1	33.1#
279	1.6	3.0	4.4#

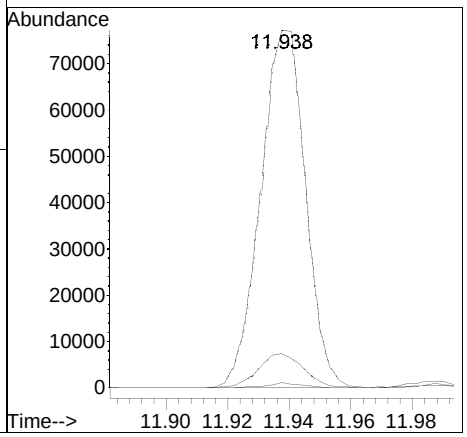




#111
Di-n-octylphthalate
Concen: 1.56 ug/ml
RT: 11.938 min Scan# 3459
Delta R.T. -0.003 min
Lab File: 001353-2.D
Acq: 23 Nov 2024 5:26 pm

Tgt Ion:149 Resp: 77415

Ion	Ratio	Lower	Upper
149	100		
43	9.8	18.8	28.2#
167	1.2	1.3	1.9#



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-2.D
Acq On : 25 Nov 2024 10:44 pm
Operator : Dakota:smz
Sample : WG2001587-2,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 26 09:05:33 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.224	152	28468	4.000	ug/ml		0.00
Standard Area 1 = 40101			Recovery = 70.99%				
27) IS2_1,4-Dichlorobenzen...	4.224	152	28468	4.000	ug/ml		0.00
Standard Area 3 = 22985			Recovery = 123.85%				
32) IS3_1,4-Dichlorobenzen...	4.224	152	28468	4.000	ug/ml		0.00
Standard Area 2 = 21373			Recovery = 133.20%				
37) IS1_Naphthalene-d8	5.464	136	113145	4.000	ug/ml	#	0.00
Standard Area 1 = 159893			Recovery = 70.76%				
57) IS2_Naphthalene-d8	5.464	136	113145	4.000	ug/ml	#	0.00
Standard Area 3 = 87939			Recovery = 128.66%				
65) IS1_Acenaphthene-d10	7.155	164	76492	4.000	ug/ml		0.00
Standard Area 1 = 106227			Recovery = 72.01%				
85) IS2_Acenaphthene-d10	7.155	164	76492	4.000	ug/ml		0.00
Standard Area 3 = 58300			Recovery = 131.20%				
88) IS3_Acenaphthene-d10	7.155	164	76492	4.000	ug/ml		0.00
Standard Area 2 = 54188			Recovery = 141.16%				
90) IS1_Phenanthrene-d10	8.566	188	172302	4.000	ug/ml		0.00
Standard Area 1 = 233287			Recovery = 73.86%				
102) IS3_Phenanthrene-d10	8.566	188	172302	4.000	ug/ml		0.00
Standard Area 2 = 126143			Recovery = 136.59%				
106) IS1_Chrysene-d12	11.127	240	202349	4.000	ug/ml		0.00
Standard Area 1 = 278188			Recovery = 72.74%				
115) IS1_Perylene-d12	12.544	264	244738	4.000	ug/ml		0.00
Standard Area 1 = 327345			Recovery = 74.76%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.928	112	6507	0.889	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.45%				
7) Phenol-d6	3.928	99	6087	0.649	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.45%				
19) Nitrobenzene-d5	4.777	82	7373	0.867	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 86.70%				
48) 2-Fluorobiphenyl	6.536	172	21233	0.758	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.80%				
81) 2,4,6-Tribromophenol	7.910	330	8905	1.629	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 81.45%				

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-2.D
Acq On : 25 Nov 2024 10:44 pm
Operator : Dakota:smz
Sample : WG2001587-2,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 26 09:05:33 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.132	244	40134	0.805	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 80.50%

Target Compounds					Qvalue
6) 2-Chlorophenol	4.018	128	11600	1.330 ug/ml	91
8) Phenol	3.941	94	6579	0.651 ug/ml	94
9) Bis(2-chloroethyl)ether	4.000	93	10926	1.509 ug/ml	93
14) Bis(2-chloroisopropyl)...	4.538	45	20041	1.570 ug/ml#	72
15) 2-Methylphenol	4.534	108	9203	1.198 ug/ml	98
17) n-Nitrosodi-n-propylamine	4.668	70	9215	1.501 ug/ml#	85
18) 3-Methylphenol/4-Methy...	4.693	108	9326	1.108 ug/ml	95
20) Nitrobenzene	4.795	77	13772	1.583 ug/ml	98
21) Isophorone	5.041	82	24570	1.536 ug/ml	95
22) 2-Nitrophenol	5.113	139	6577	1.493 ug/ml	92
23) 2,4-Dimethylphenol	5.203	107	7320	0.934 ug/ml	98
24) Bis(2-chloroethoxy)met...	5.287	93	15806	1.587 ug/ml#	92
25) 2,4-Dichlorophenol	5.352	162	14268	1.560 ug/ml#	93
28) Benzaldehyde	3.785	105	10389	2.075 ug/ml	99
29) Acetophenone	4.637	105	19690	1.971 ug/ml#	80
40) 4-Chloroaniline	5.566	65	4252	1.243 ug/ml	97
42) p-Chloro-m-cresol	6.073	107	12318	1.502 ug/ml	90
45) Hexachlorocyclopentadiene	6.334	237	4053	0.526 ug/ml	98
46) 2,4,6-Trichlorophenol	6.455	196	12484	1.540 ug/ml	96
47) 2,4,5-Trichlorophenol	6.483	196	14827	1.636 ug/ml	98
50) 2-Nitroaniline	6.741	138	10636	1.724 ug/ml#	81
53) Dimethyl phthalate	6.949	163	42116	1.503 ug/ml#	97
55) 2,6-Dinitrotoluene	6.987	165	8147	1.557 ug/ml#	81
62) Caprolactam	5.865	55	1937	0.557 ug/ml#	75
63) 1,2,4,5-Tetrachloroben...	6.331	216	17585	1.505 ug/ml#	94
64) Biphenyl	6.623	154	40121	1.685 ug/ml	96
66) 3-Nitroaniline	7.136	138	9028	1.528 ug/ml#	86
68) 2,4-Dinitrophenol	7.242	184	1052	0.292 ug/ml#	57
69) Dibenzofuran	7.353	168	53535	1.396 ug/ml	99
70) 2,4-Dinitrotoluene	7.369	165	11672	1.577 ug/ml#	81
71) 4-Nitrophenol	7.344	65	3611	0.820 ug/ml#	1
73) 2,3,4,6-Tetrachlorophenol	7.490	232	13406	1.639 ug/ml	96
74) Diethyl phthalate	7.633	149	44260	1.470 ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-2.D
Acq On : 25 Nov 2024 10:44 pm
Operator : Dakota:smz
Sample : WG2001587-2,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 26 09:05:33 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	7.708	204	20602	1.361	ug/ml#	85
77)	4-Nitroaniline	7.717	138	10569	1.851	ug/ml#	80
78)	4,6-Dinitro-o-cresol	7.754	198	3285	0.734	ug/ml#	63
79)	NDPA/DPA	7.823	169	38295	1.498	ug/ml	93
82)	4-Bromophenyl phenyl e...	8.168	248	14257	1.430	ug/ml#	81
89)	Atrazine	8.367	200	12326	1.879	ug/ml	92
93)	Carbazole	8.811	167	74904	1.634	ug/ml	98
94)	Di-n-butylphthalate	9.218	149	81961	1.577	ug/ml#	98
99)	Butyl benzyl phthalate	10.651	149	38557	1.732	ug/ml#	86
108)	3,3'-Dichlorobenzidine	11.133	252	46383	1.816	ug/ml#	97
110)	Bis(2-ethylhexyl)phtha...	11.279	149	60657	1.651	ug/ml#	88
111)	Di-n-octylphthalate	11.935	149	102970	1.680	ug/ml#	74

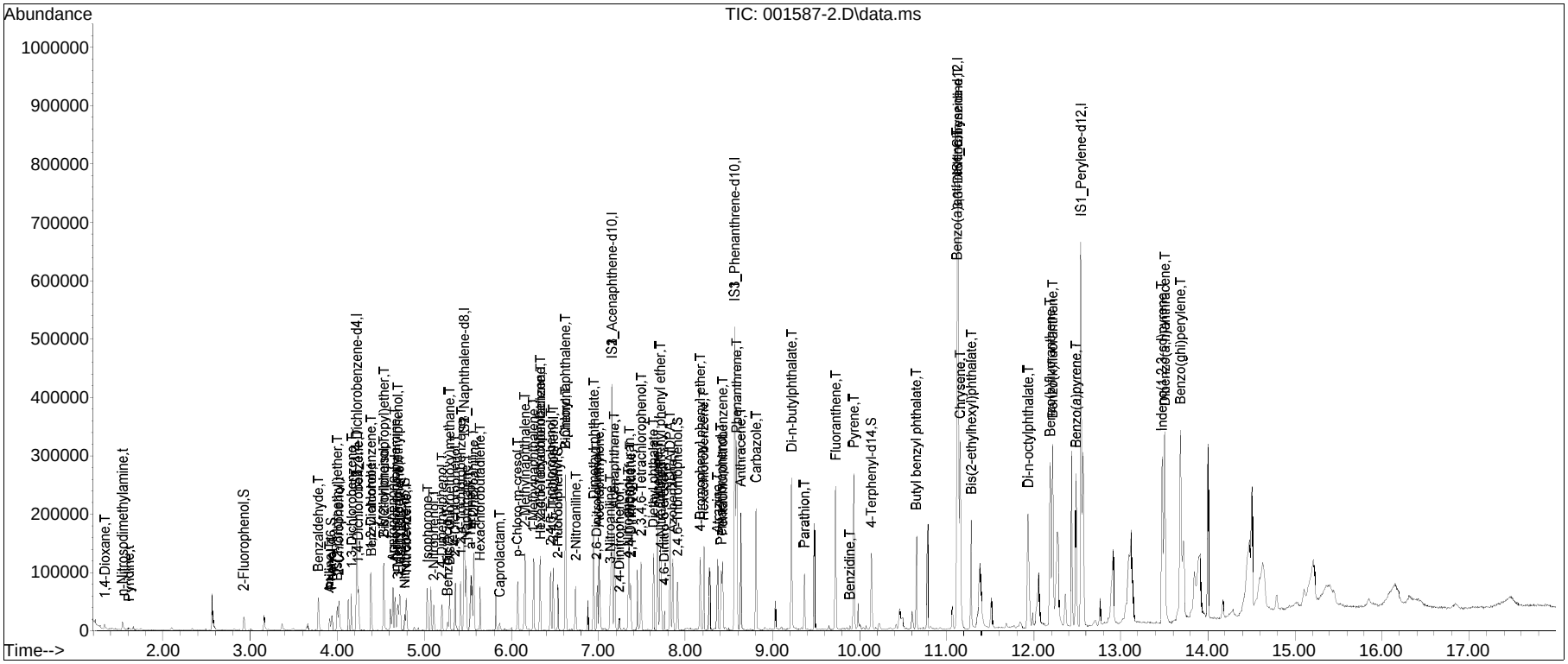
(#) = qualifier out of range (m) = manual integration (+) = signals summed

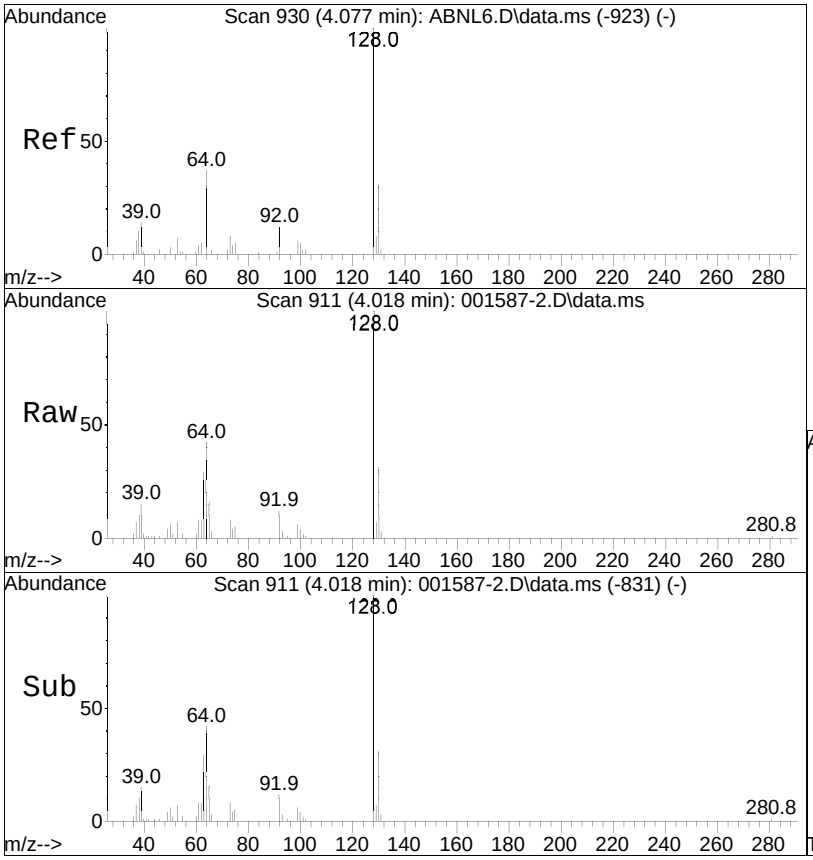
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-2.D
Acq On : 25 Nov 2024 10:44 pm
Operator : Dakota:smz
Sample : WG2001587-2,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 26 09:05:33 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA5NRVT\AP91125n.D•

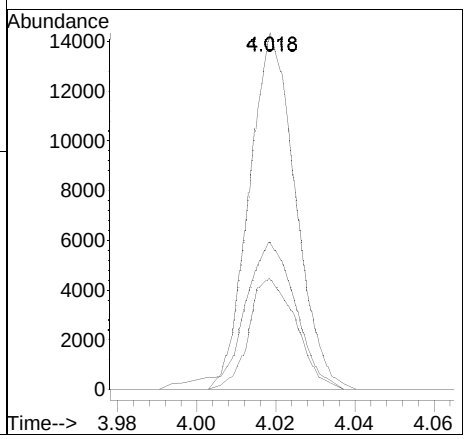

Abundance
TIC: 001587-2.D\data.ms
Time-->
1,4-Dioxane,T
2-Fluorophenol,S
Benzaldehyde,T
Caprolactam,T
2-Nitroaniline,T
Isophorone,T
Benzoic acid,T
Hexachlorocyclopentadiene,T
2,4,6-Trichlorophenol,S
2,4,5-Trichlorophenol,S
2-Chloronaphthalene,T
2-Nitrophenol,T
2,4-Dimethylphenol,T
Bis(2-chloroethoxy)methane,T
2,4-Dichlorophenol,T
1,2,4-Trichlorobenzene,T
Naphthalene,T
Naphthalene-d8,I
4-Chloroaniline,T
Hexachlorobutadiene,T
4-Chloro-3-methylphenol,T
2-Methylnaphthalene,T
1-Methylnaphthalene

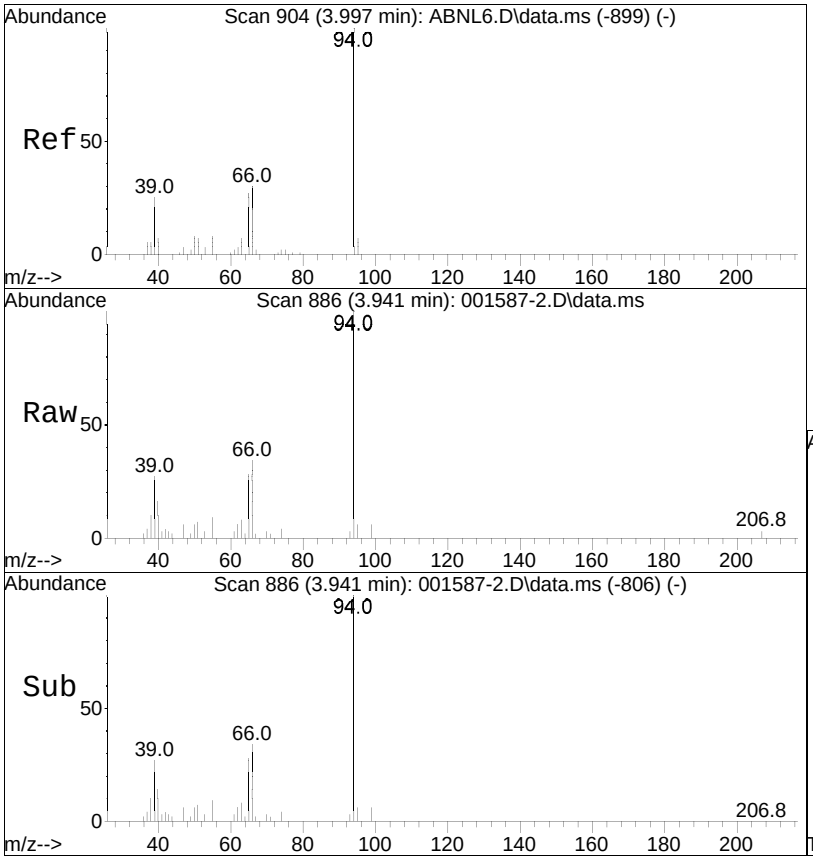


#6
2-Chlorophenol
Concen: 1.33 ug/ml
RT: 4.018 min Scan# 911
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:128 Resp: 11600

Ion	Ratio	Lower	Upper
128	100		
64	46.6	45.1	67.7
130	31.9	26.2	39.4

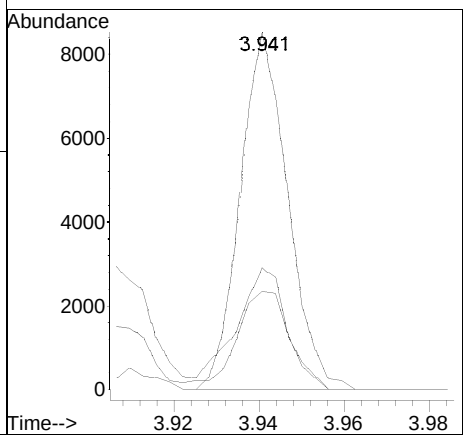


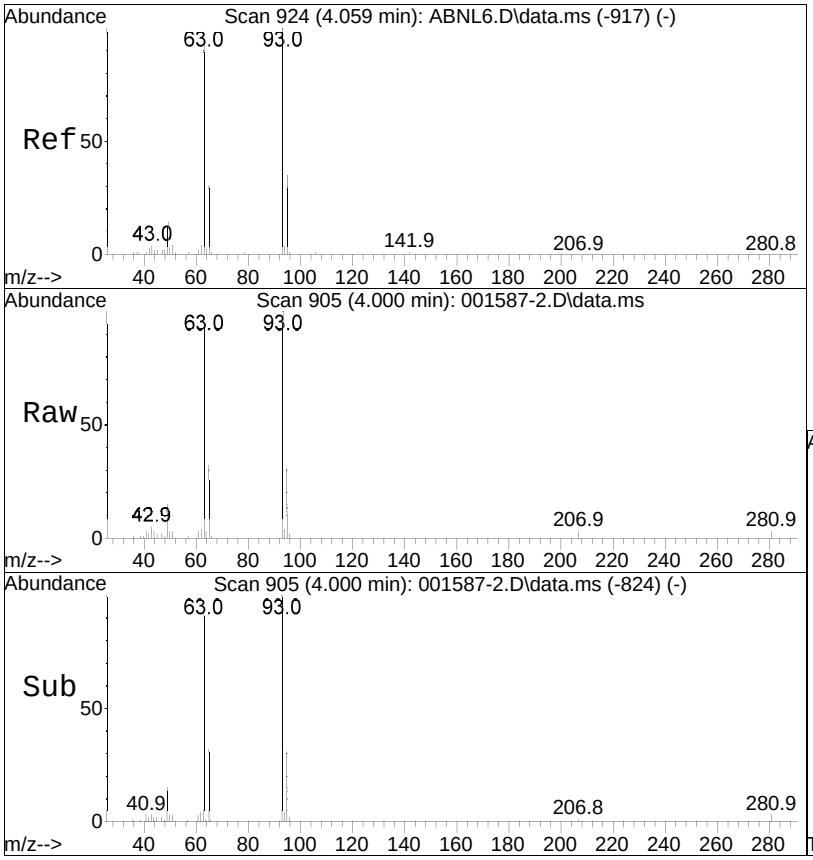


#8
Phenol
Concen: 0.65 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 94 Resp: 6579

Ion	Ratio	Lower	Upper
94	100		
65	30.8	26.0	39.0
66	37.1	33.8	50.8

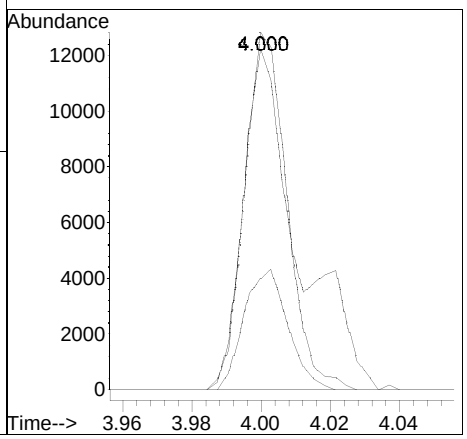


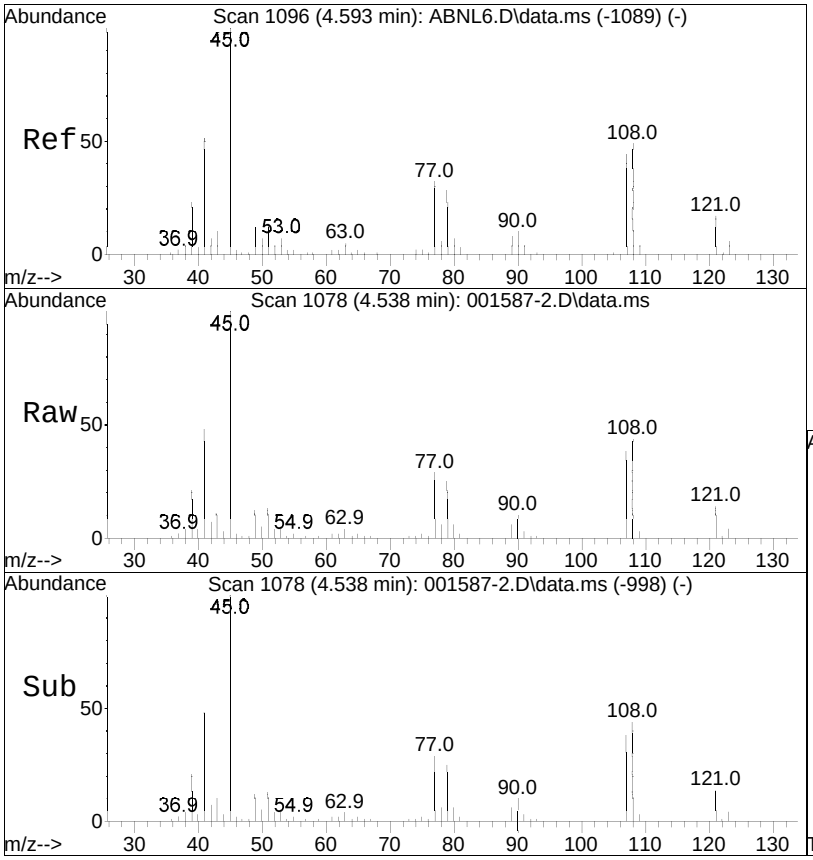


#9
Bis(2-chloroethyl)ether
Concen: 1.51 ug/ml
RT: 4.000 min Scan# 905
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 93 Resp: 10926

Ion	Ratio	Lower	Upper
93	100		
63	100.7	74.6	111.8
95	34.8	25.9	38.9

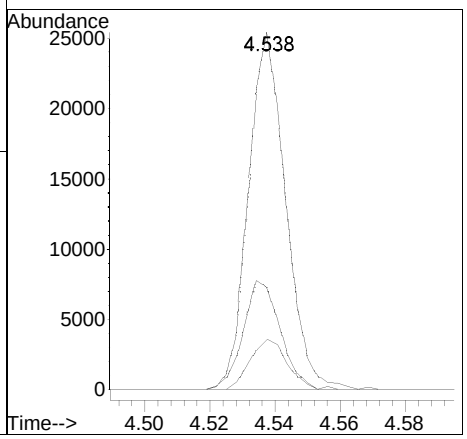


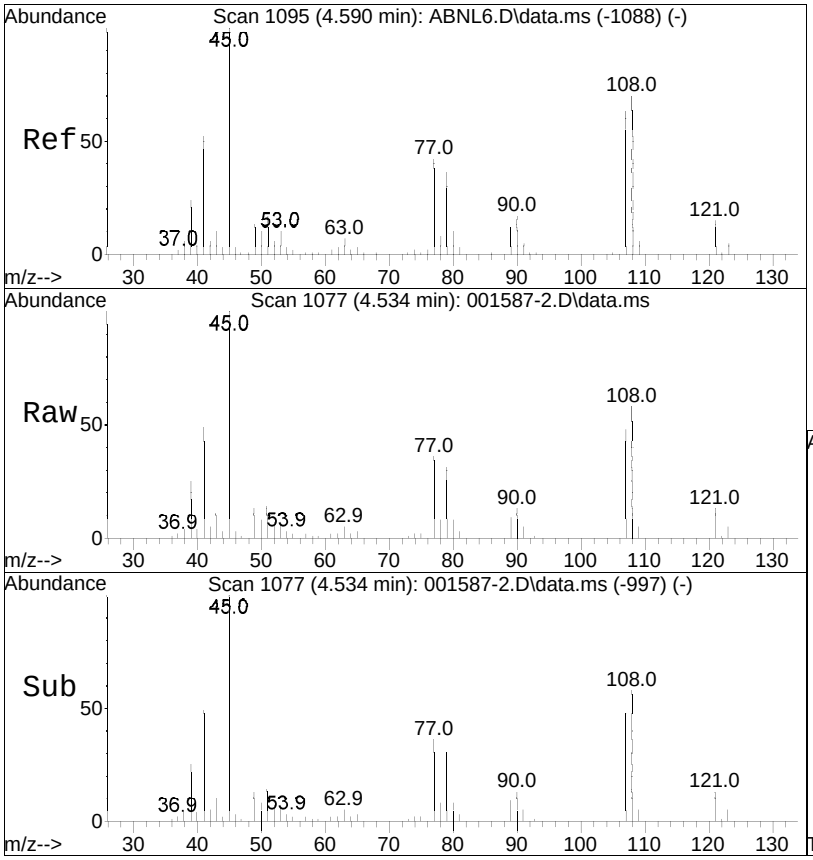


#14
Bis(2-chloroisopropyl)ether
Concen: 1.57 ug/ml
RT: 4.538 min Scan# 1078
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 45 Resp: 20041

Ion	Ratio	Lower	Upper
45	100		
121	14.0	9.8	14.6
77	30.8	6.1	9.1#

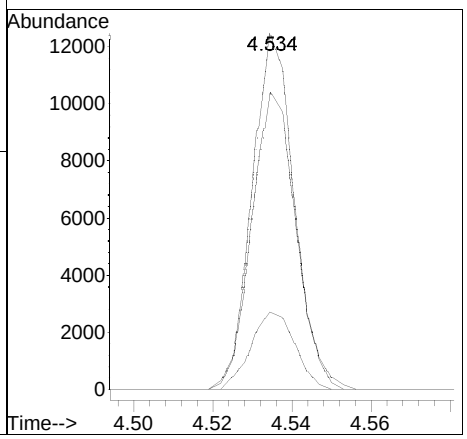


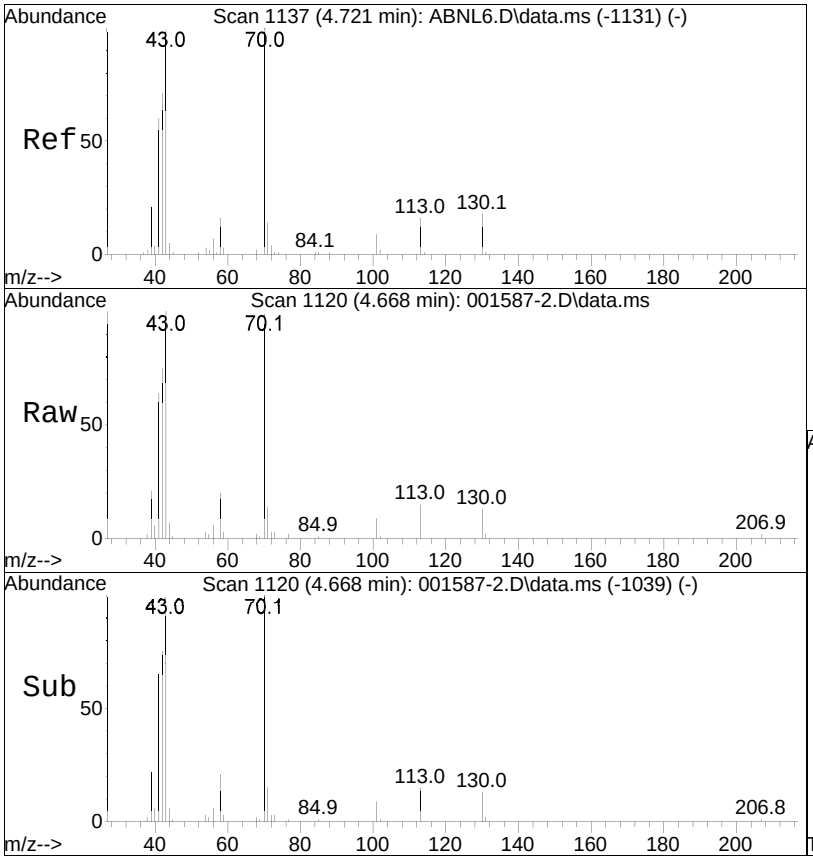


#15
2-Methylphenol
Concen: 1.20 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:108 Resp: 9203

Ion	Ratio	Lower	Upper
108	100		
107	86.8	70.7	106.1
90	22.9	18.7	28.1

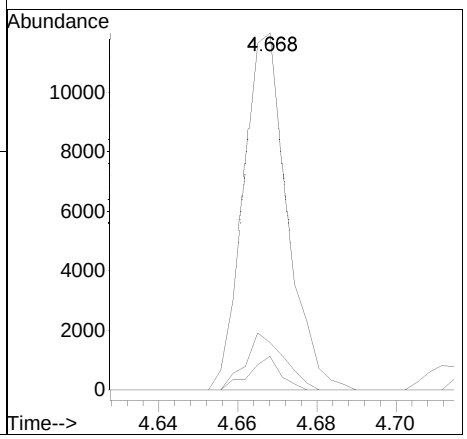


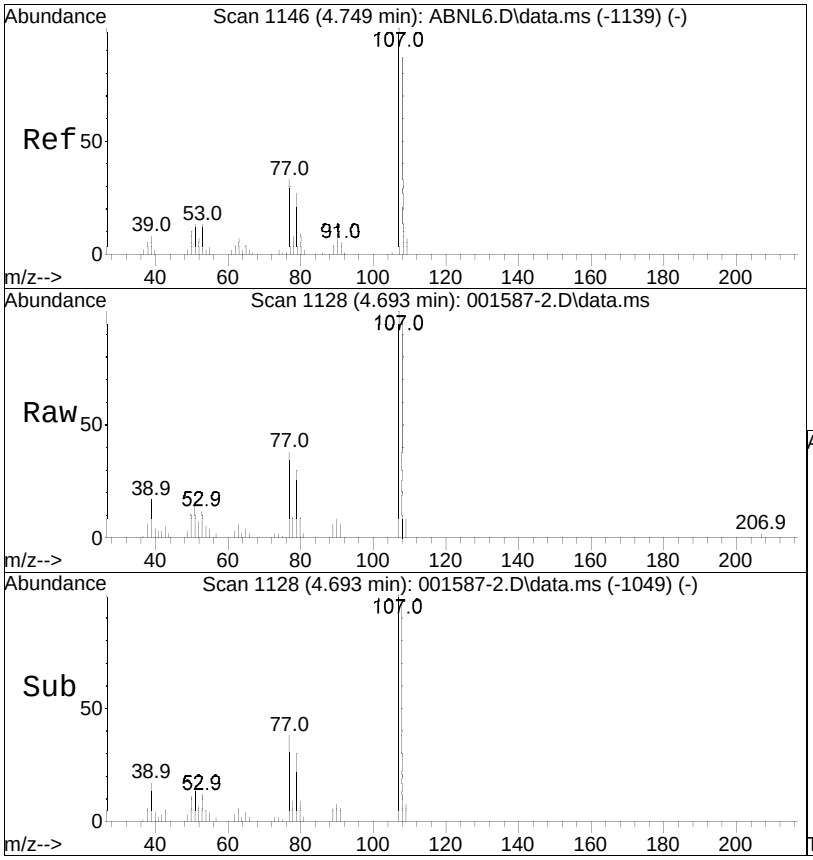


#17
n-Nitrosodi-n-propylamine
Concen: 1.50 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 70 Resp: 9215

Ion	Ratio	Lower	Upper
70	100		
130	13.9	18.2	27.4#
101	6.7	7.8	11.8#

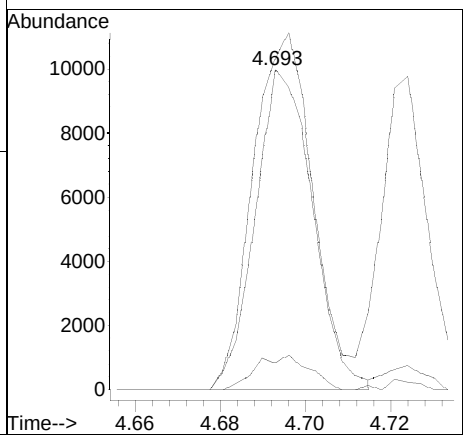


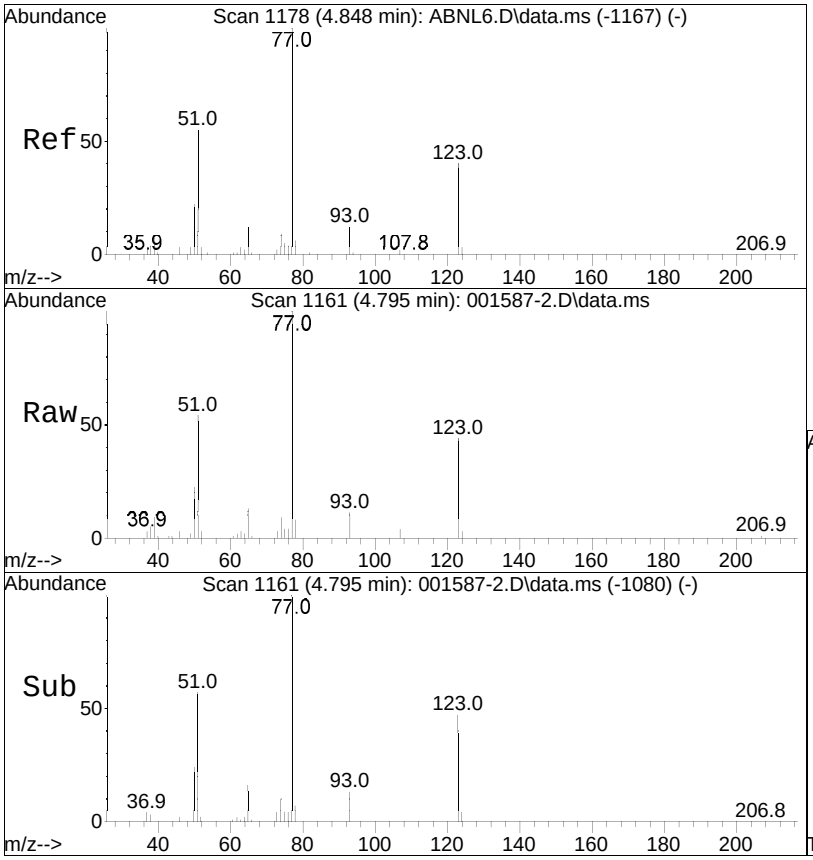


#18
3-Methylphenol/4-Methylphenol
Concen: 1.11 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:108 Resp: 9326

Ion	Ratio	Lower	Upper
108	100		
107	116.9	88.6	132.8
90	10.2	8.8	13.2

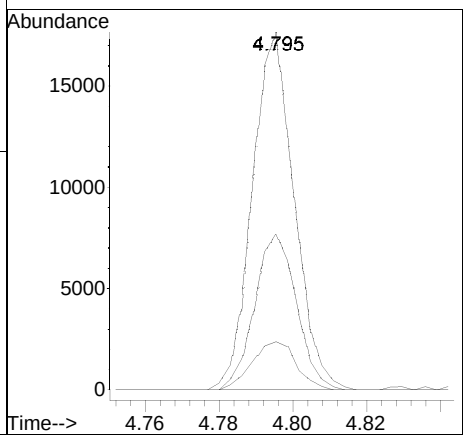


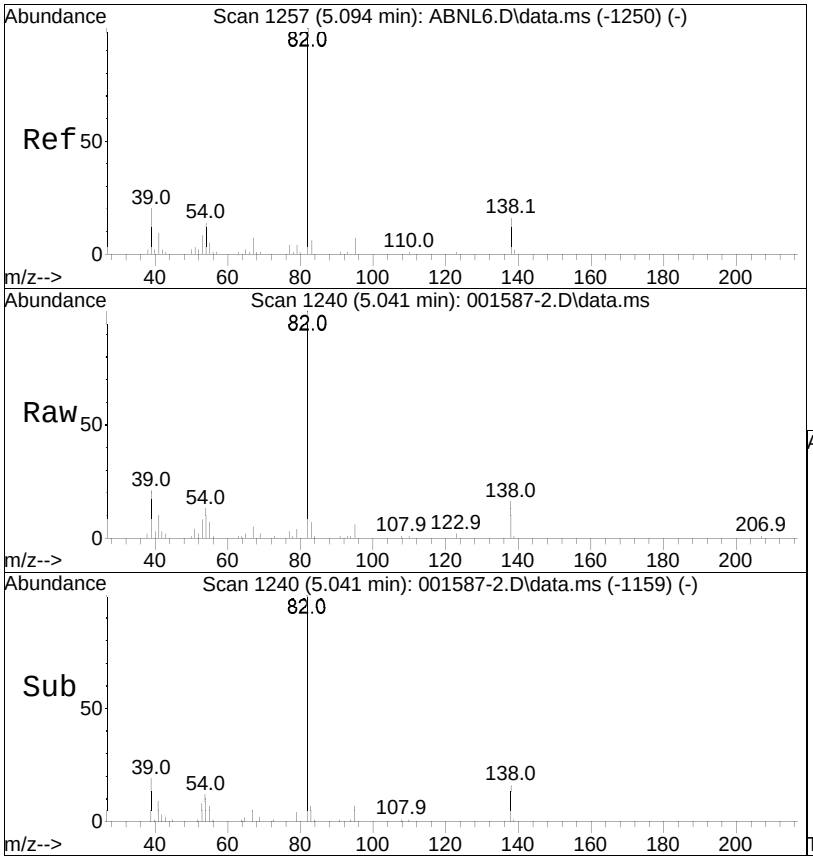


#20
Nitrobenzene
Concen: 1.58 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 77 Resp: 13772

Ion	Ratio	Lower	Upper
77	100		
123	43.8	36.3	54.5
65	14.4	11.6	17.4

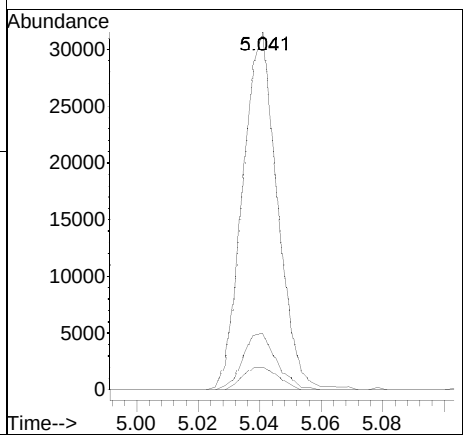


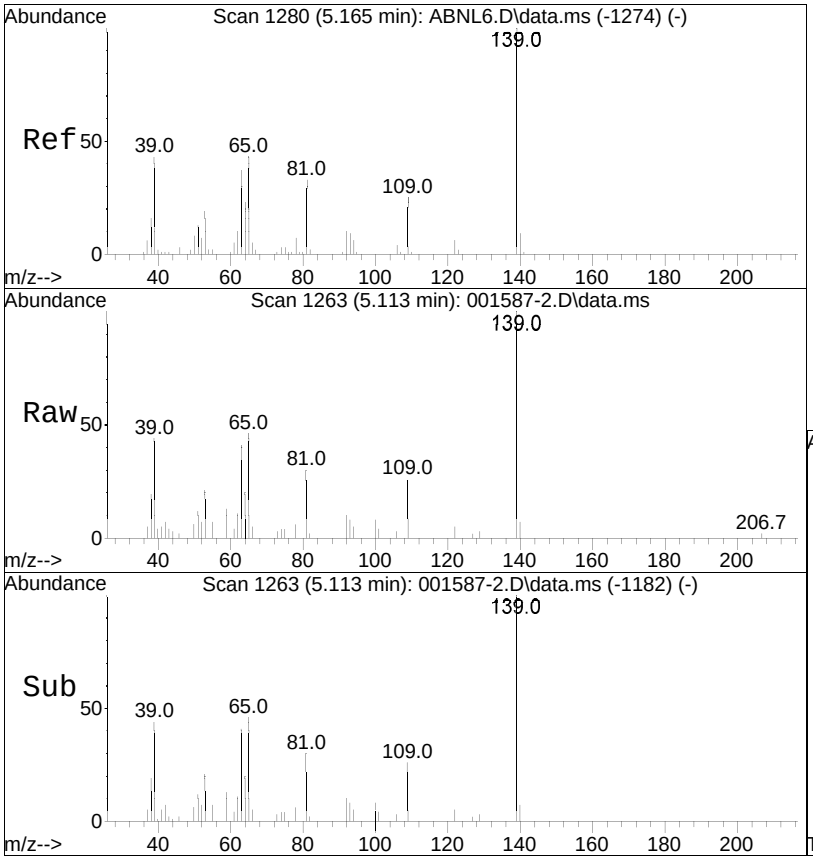


#21
Isophorone
Concen: 1.54 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 82 Resp: 24570

Ion	Ratio	Lower	Upper
82	100		
138	15.5	14.7	22.1
95	6.6	5.2	7.8

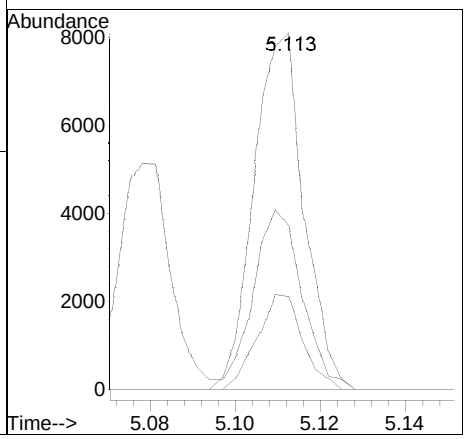


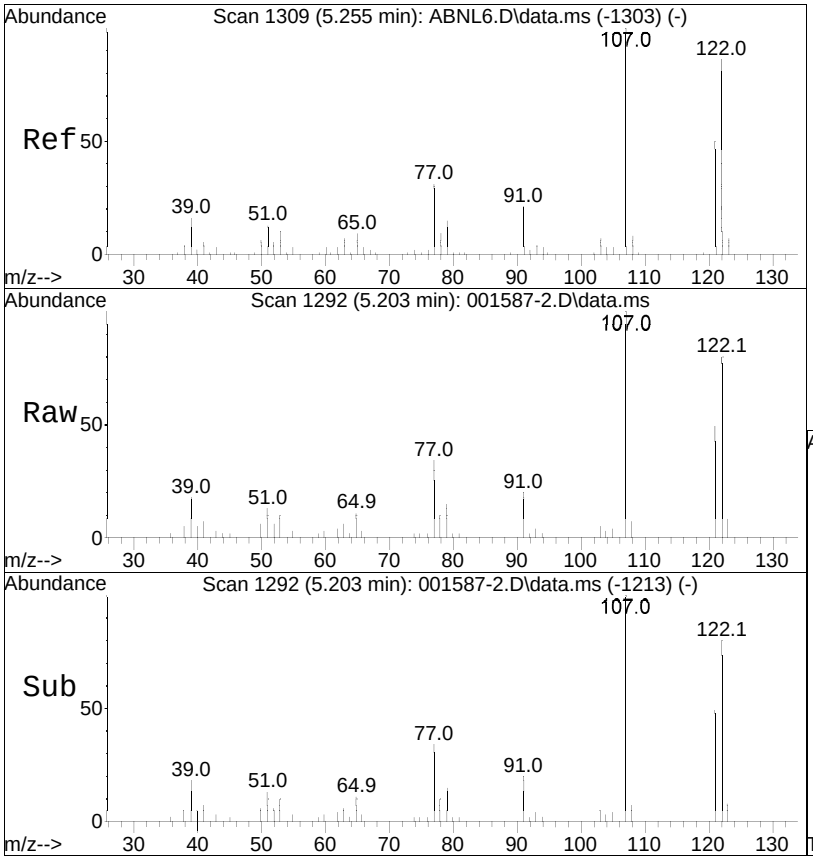


#22
2-Nitrophenol
Concen: 1.49 ug/ml
RT: 5.113 min Scan# 1263
Delta R.T. 0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:139 Resp: 6577

Ion	Ratio	Lower	Upper
139	100		
109	24.4	19.4	29.0
65	49.1	46.1	69.1

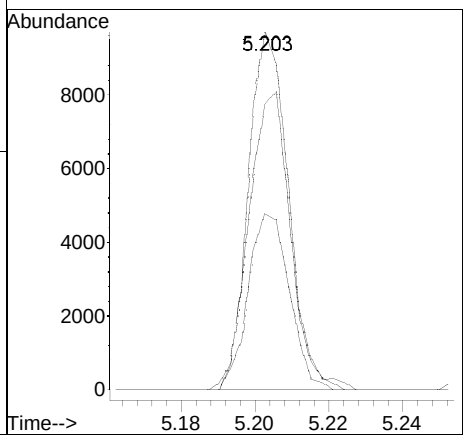


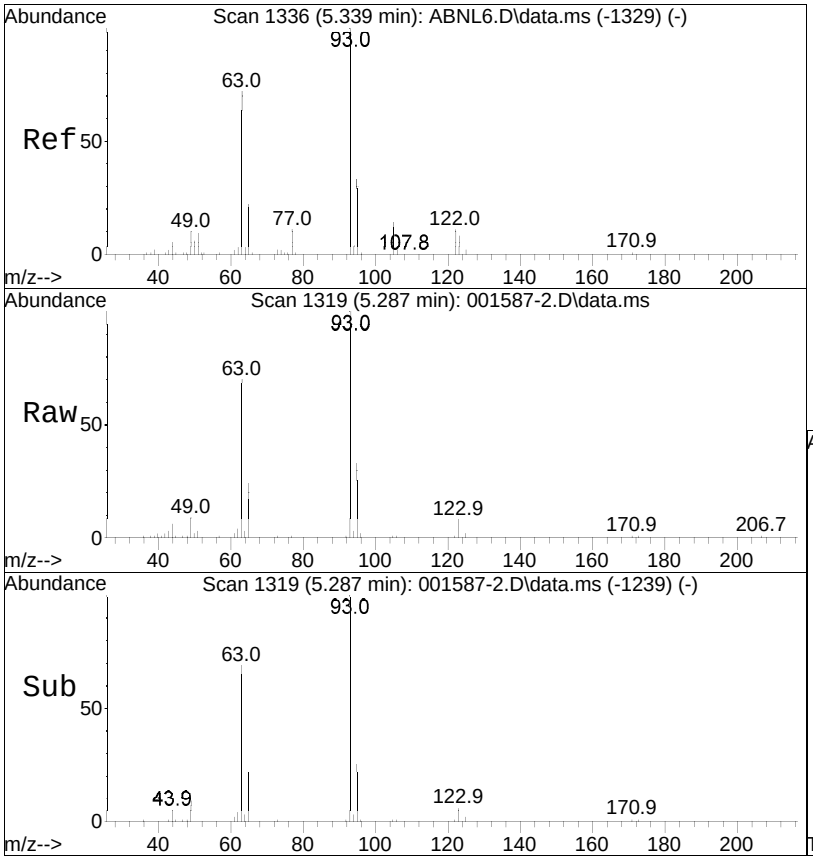


#23
2,4-Dimethylphenol
Concen: 0.93 ug/ml
RT: 5.203 min Scan# 1292
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:107 Resp: 7320

Ion	Ratio	Lower	Upper
107	100		
121	50.5	40.0	60.0
122	84.9	70.2	105.4

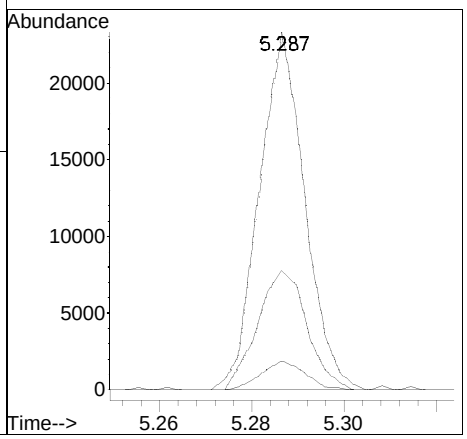


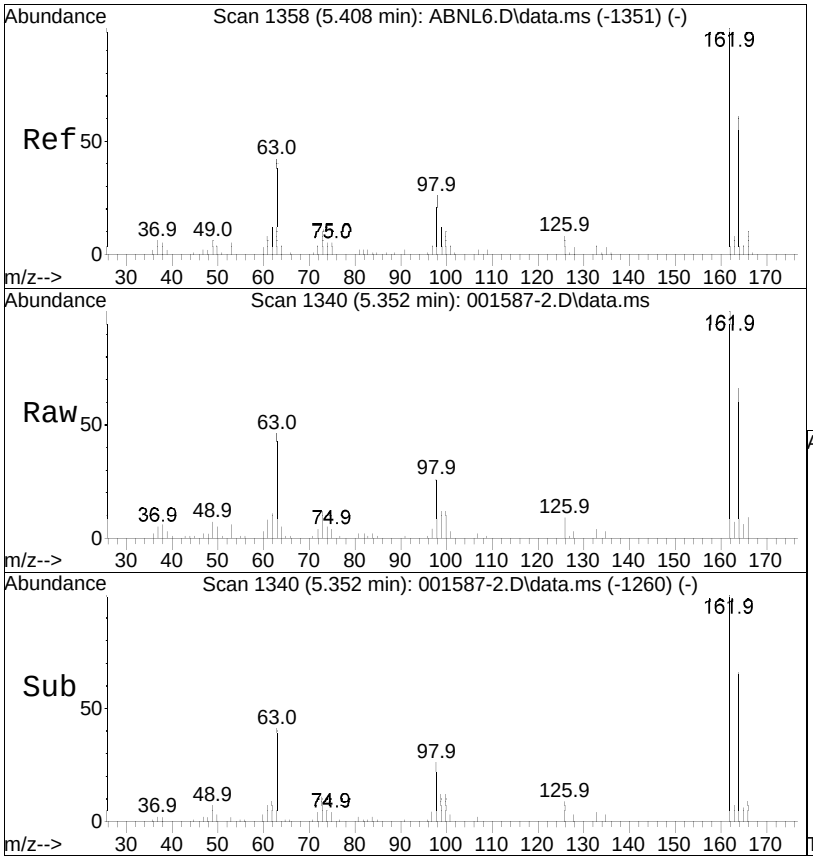


#24
Bis(2-chloroethoxy)methane
Concen: 1.59 ug/ml
RT: 5.287 min Scan# 1319
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 93 Resp: 15806

Ion	Ratio	Lower	Upper
93	100		
95	36.2	25.8	38.8
123	7.9	10.1	15.1#

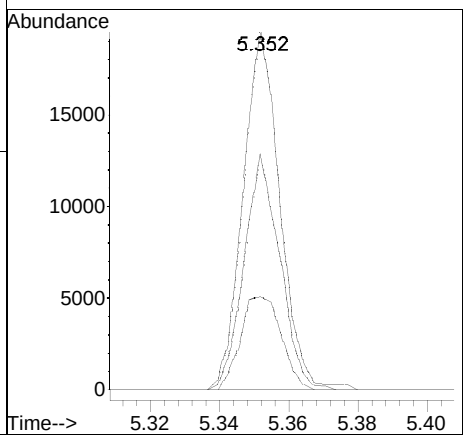


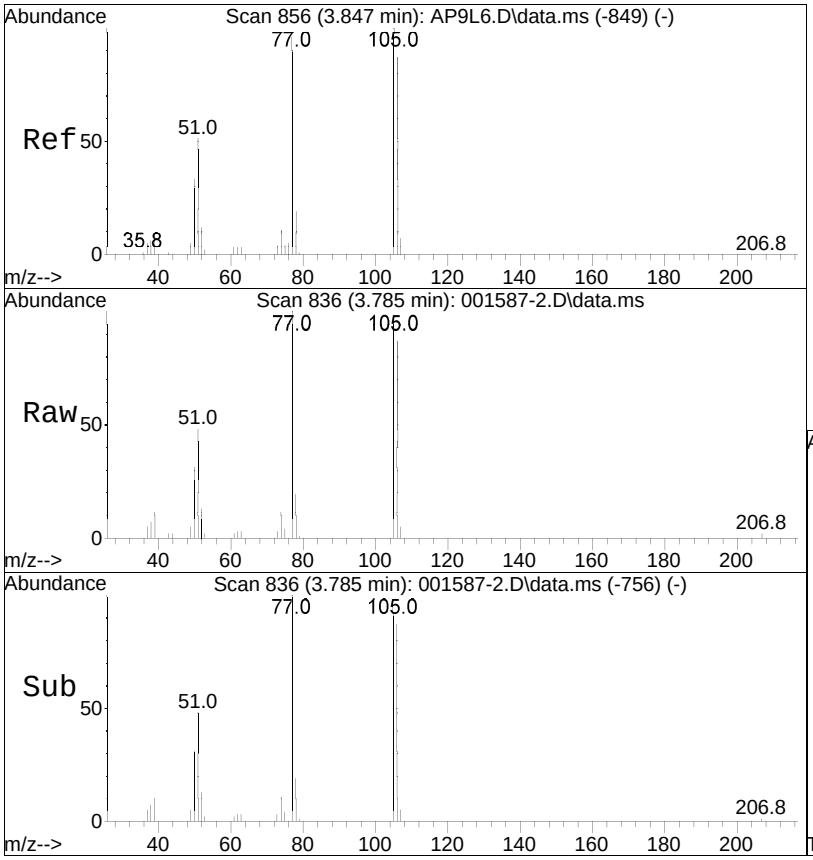


#25
2,4-Dichlorophenol
Concen: 1.56 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:162 Resp: 14268

Ion	Ratio	Lower	Upper
162	100		
164	64.0	51.0	76.4
98	29.0	32.2	48.2#

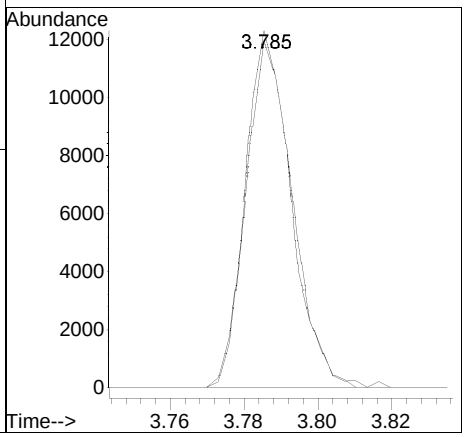


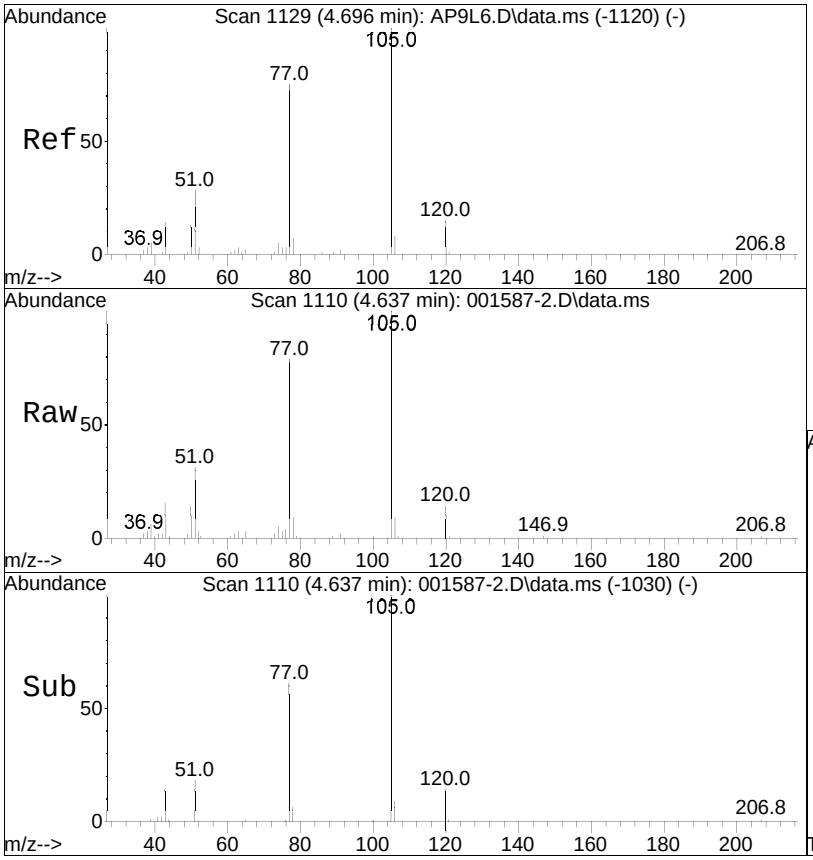


#28
Benzaldehyde
Concen: 2.08 ug/ml
RT: 3.785 min Scan# 836
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:105 Resp: 10389

Ion	Ratio	Lower	Upper
105	100		
77	102.1	82.2	123.4

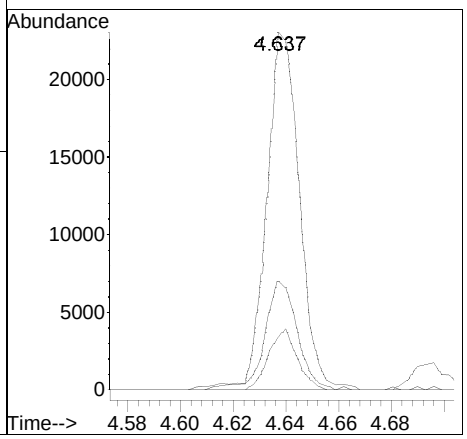


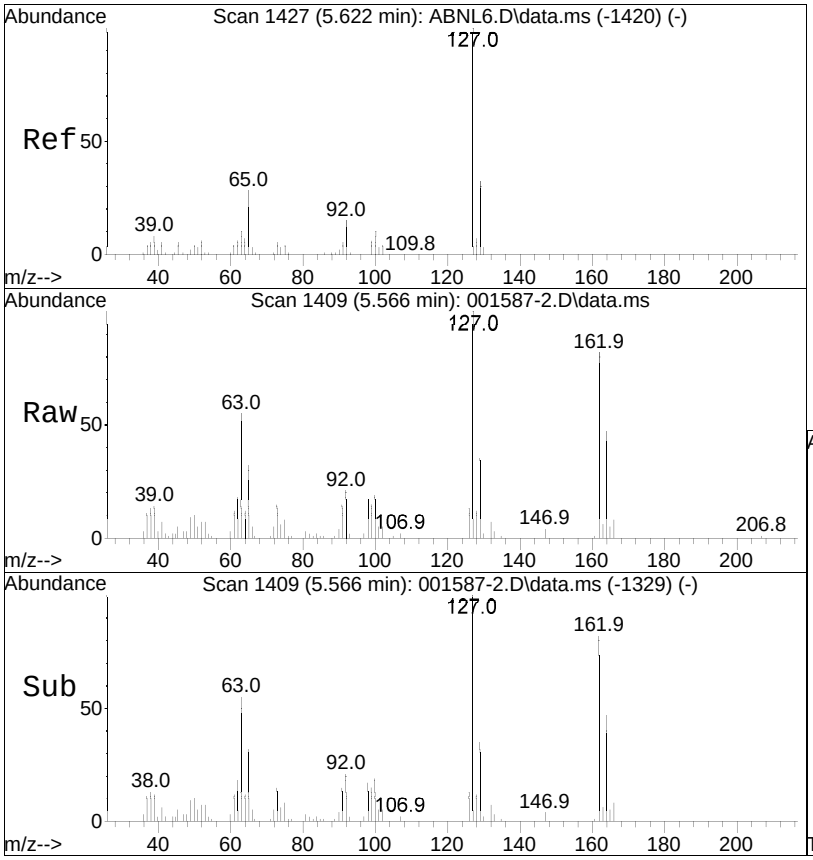


#29
Acetophenone
Concen: 1.97 ug/ml
RT: 4.637 min Scan# 1110
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:105 Resp: 19690

Ion	Ratio	Lower	Upper
105	100		
120	14.9	20.5	30.7#
51	31.3	34.9	52.3#

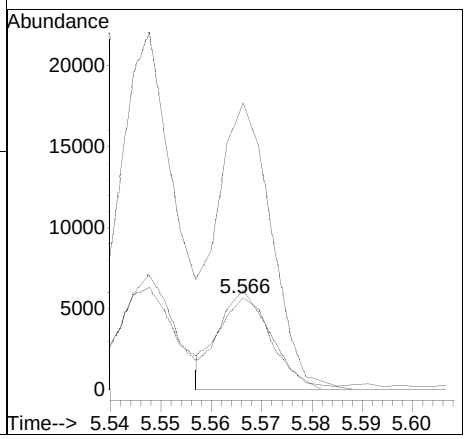


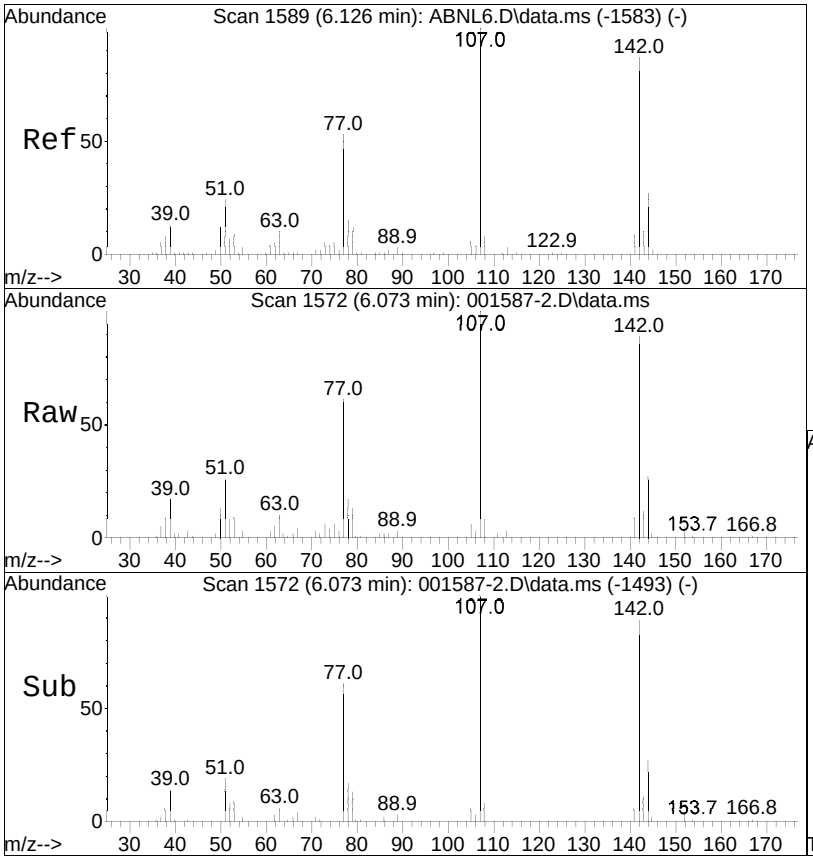


#40
4-Chloroaniline
Concen: 1.24 ug/ml
RT: 5.566 min Scan# 1409
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 65 Resp: 4252

Ion	Ratio	Lower	Upper
65	100		
127	301.1	237.6	356.4
129	102.9	76.3	114.5

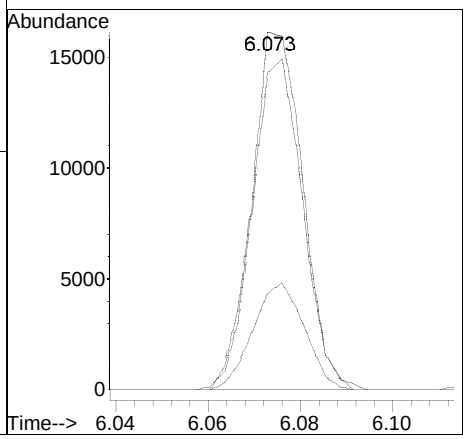


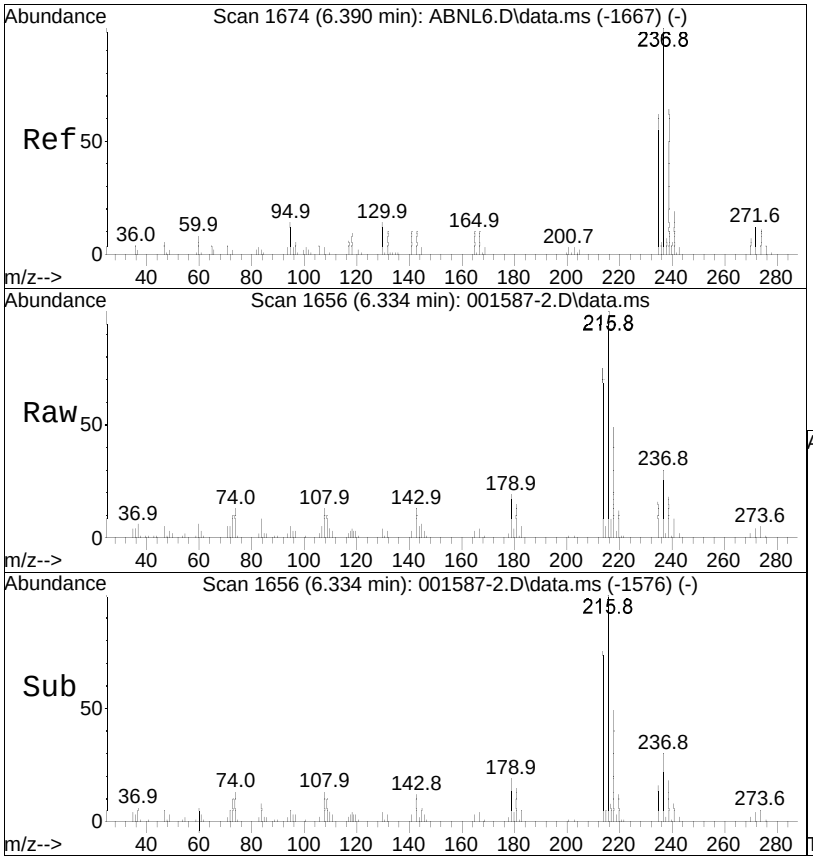


#42
p-Chloro-m-cresol
Concen: 1.50 ug/ml
RT: 6.073 min Scan# 1572
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:107 Resp: 12318

Ion	Ratio	Lower	Upper
107	100		
144	30.2	20.9	31.3
142	91.6	66.1	99.1

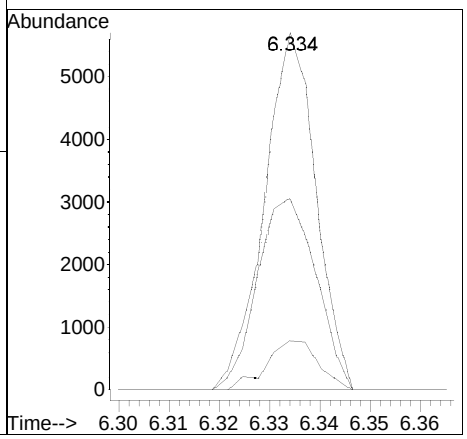


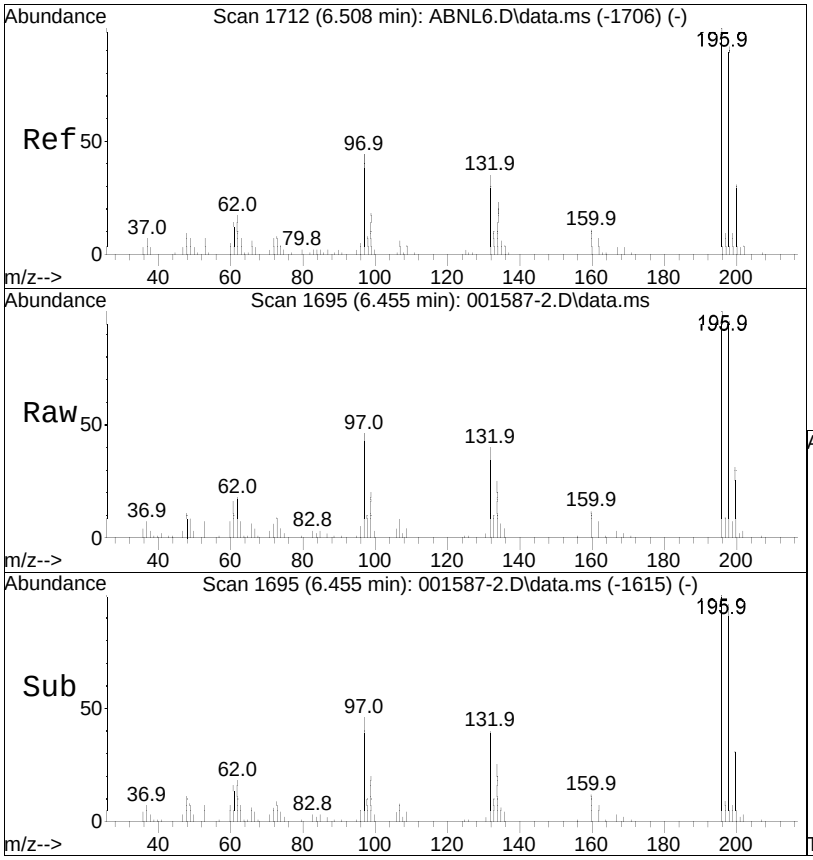


#45
Hexachlorocyclopentadiene
Concen: 0.53 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:237 Resp: 4053

Ion	Ratio	Lower	Upper
237	100		
235	60.9	49.7	74.5
272	14.0	9.8	14.6

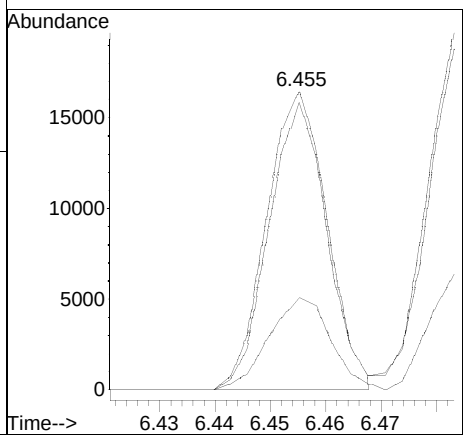


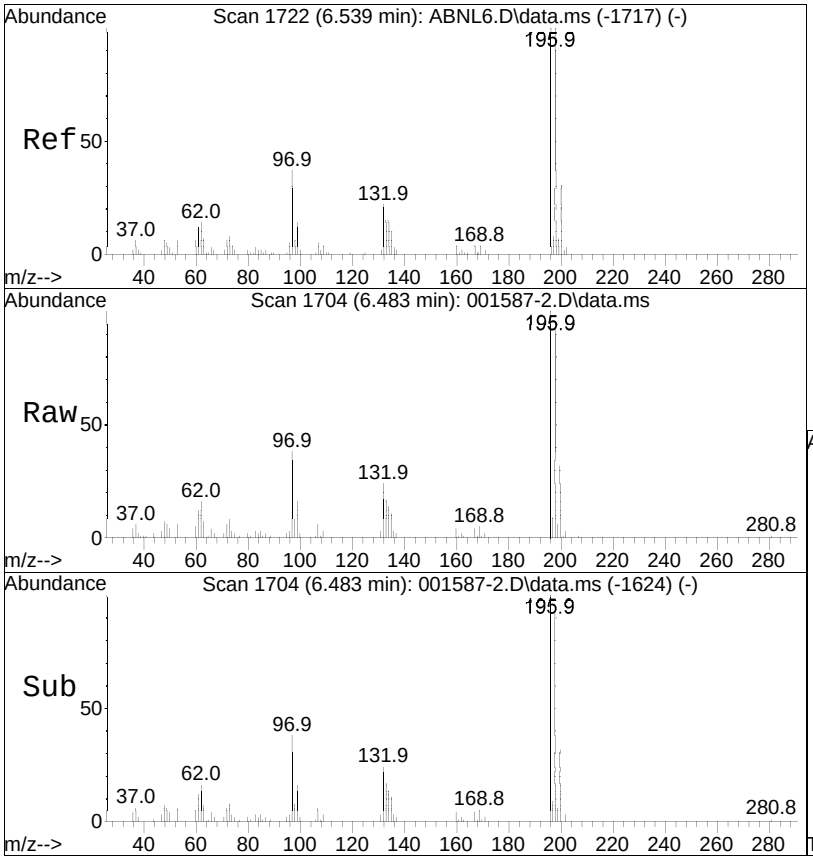


#46
2,4,6-Trichlorophenol
Concen: 1.54 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:196 Resp: 12484

Ion	Ratio	Lower	Upper
196	100		
198	92.1	77.5	116.3
200	31.5	23.8	35.6

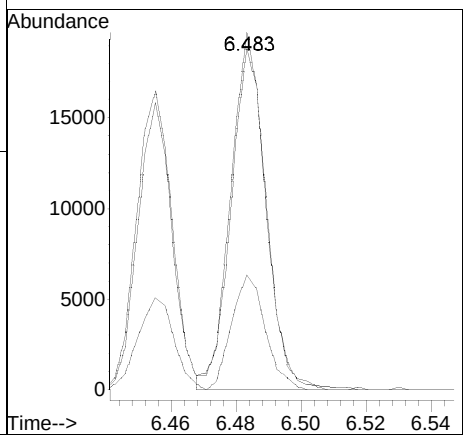


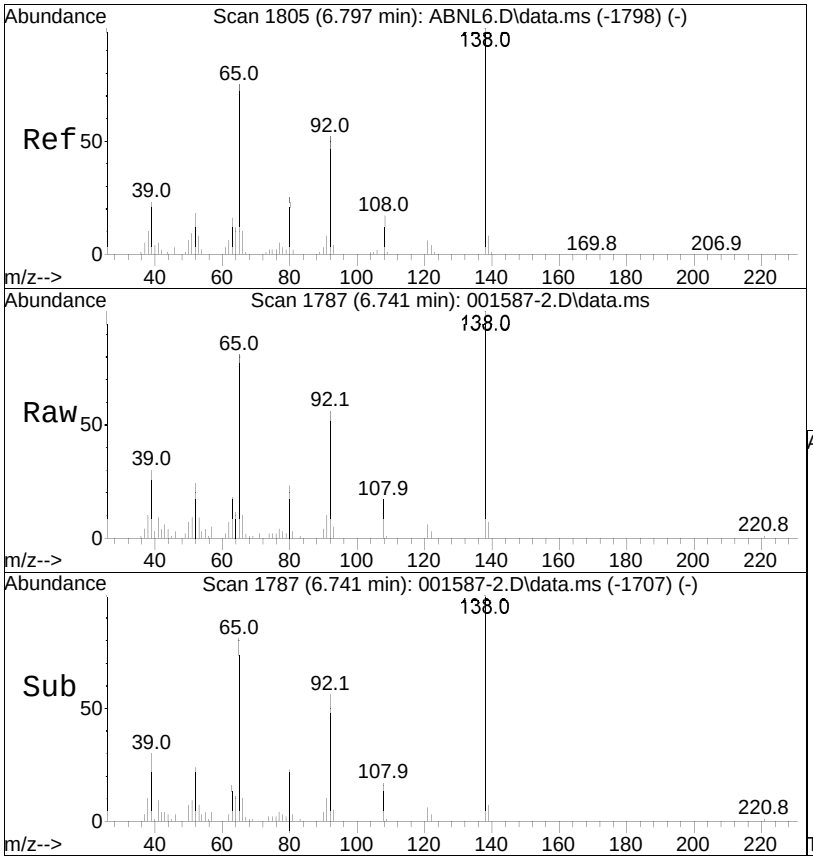


#47
2,4,5-Trichlorophenol
Concen: 1.64 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:196 Resp: 14827

Ion	Ratio	Lower	Upper
196	100		
200	30.9	25.4	38.0
198	95.1	78.0	117.0

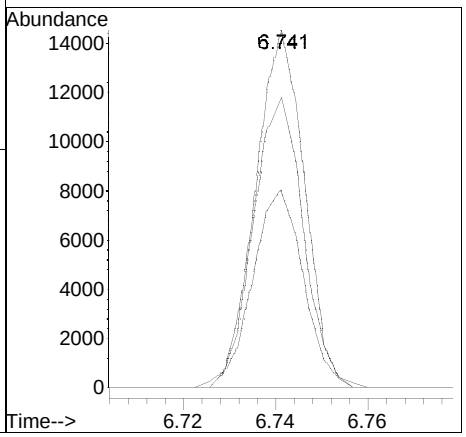


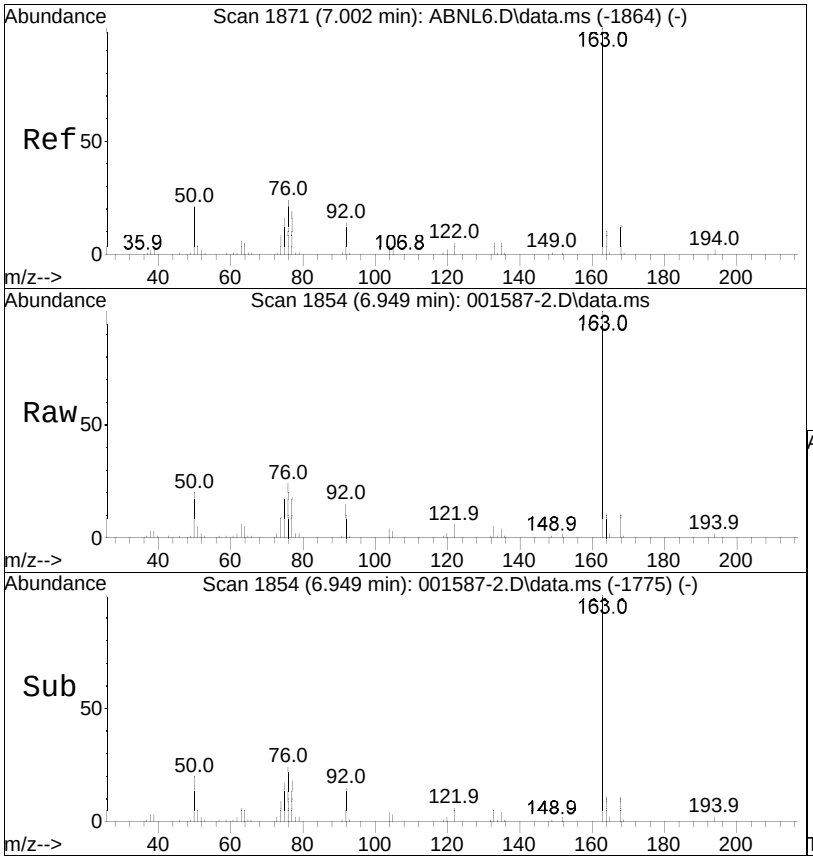


#50
2-Nitroaniline
Concen: 1.72 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:138 Resp: 10636

Ion	Ratio	Lower	Upper
138	100		
92	57.3	53.5	80.3
65	83.5	86.3	129.5#

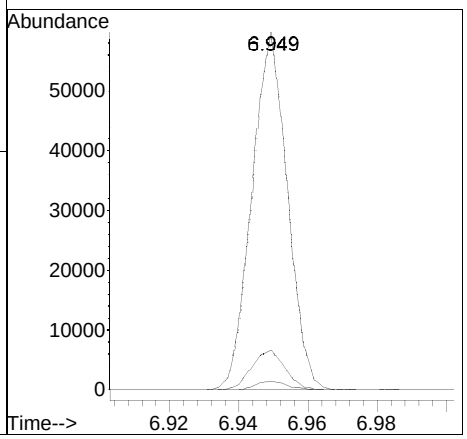


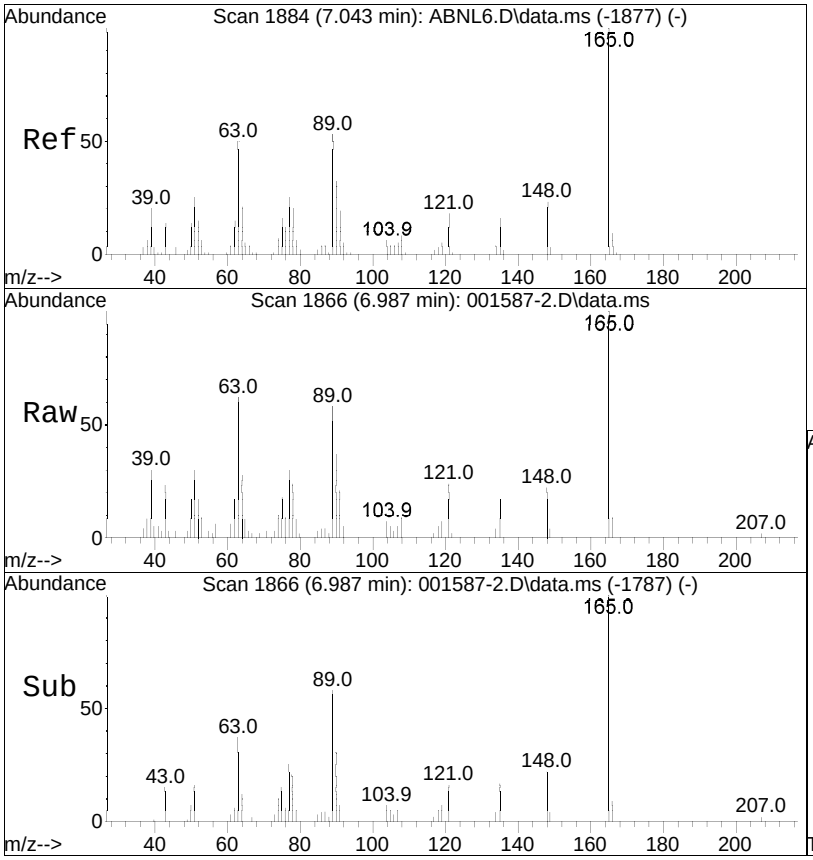


#53
Dimethyl phthalate
Concen: 1.50 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:163 Resp: 42116

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	10.7	7.9	11.9

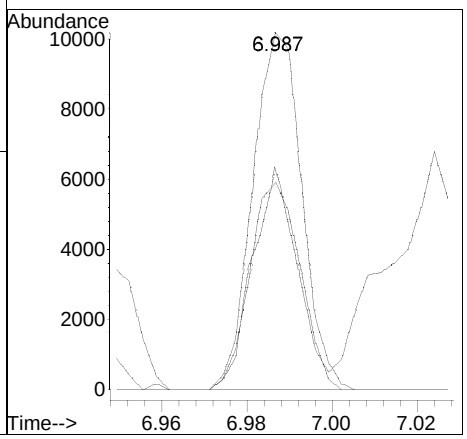


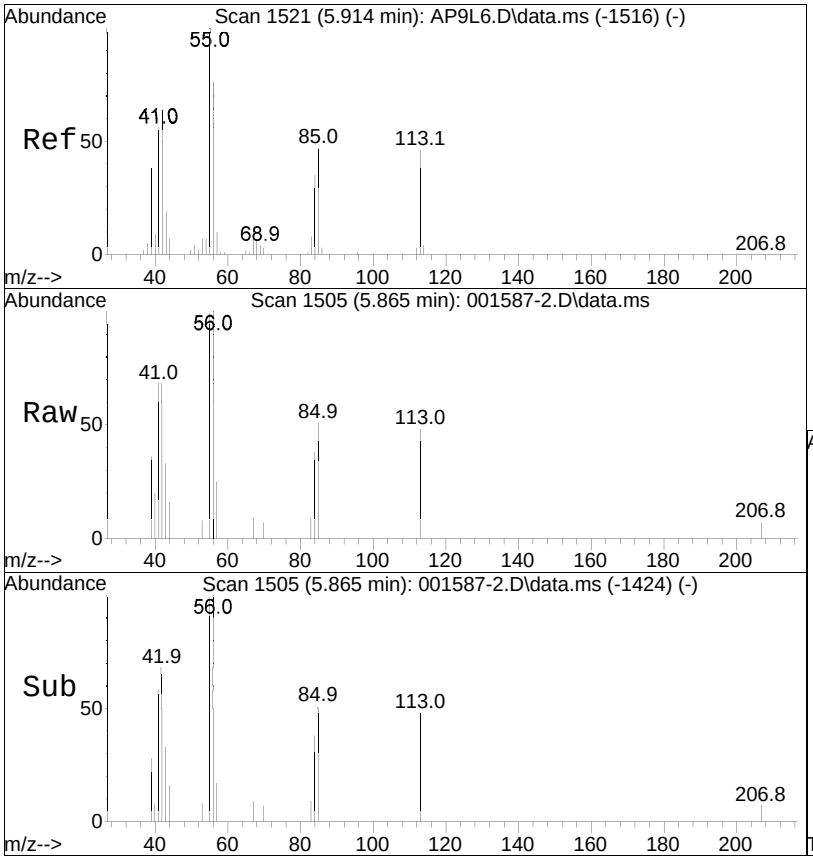


#55
2,6-Dinitrotoluene
Concen: 1.56 ug/ml
RT: 6.987 min Scan# 1866
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:165 Resp: 8147

Ion	Ratio	Lower	Upper
165	100		
89	59.7	54.2	81.2
63	57.3	64.2	96.2#

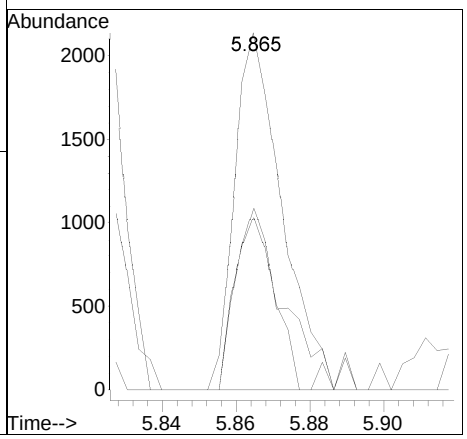


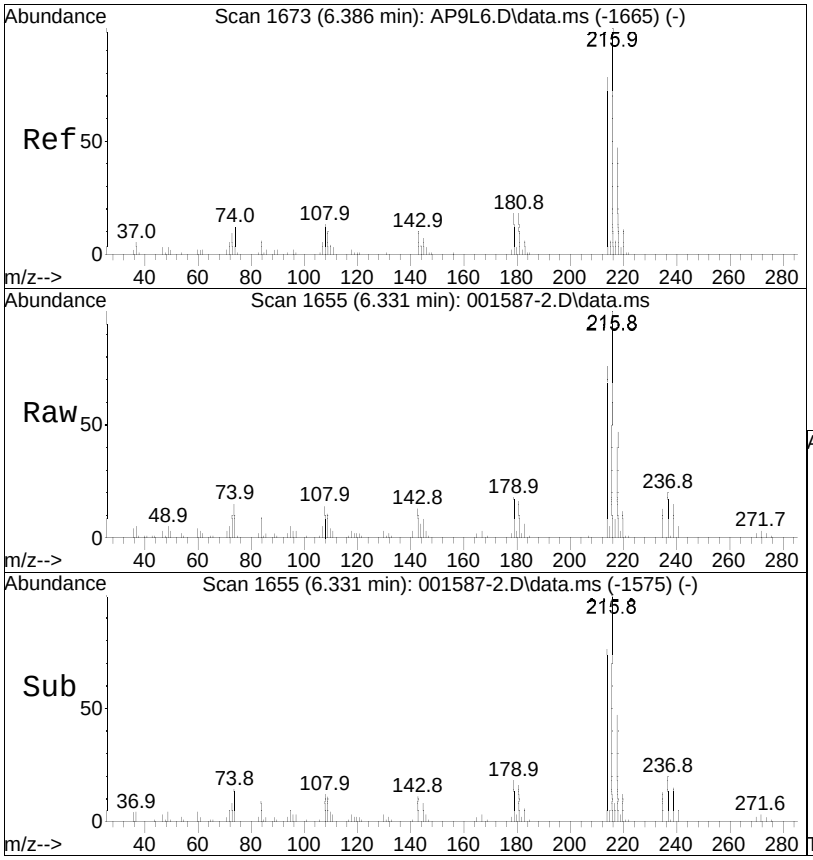


#62
Caprolactam
Concen: 0.56 ug/ml
RT: 5.865 min Scan# 1505
Delta R.T. 0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 55 Resp: 1937

Ion	Ratio	Lower	Upper
55	100		
85	52.3	19.8	29.6#
113	40.1	29.6	44.4

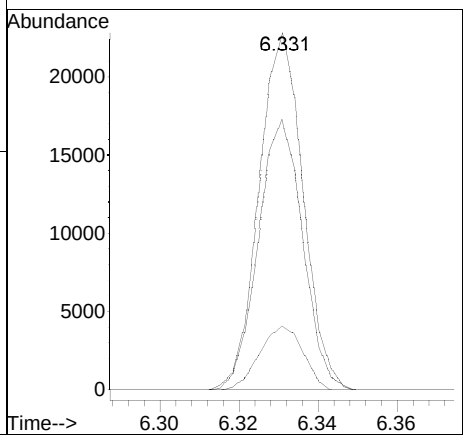


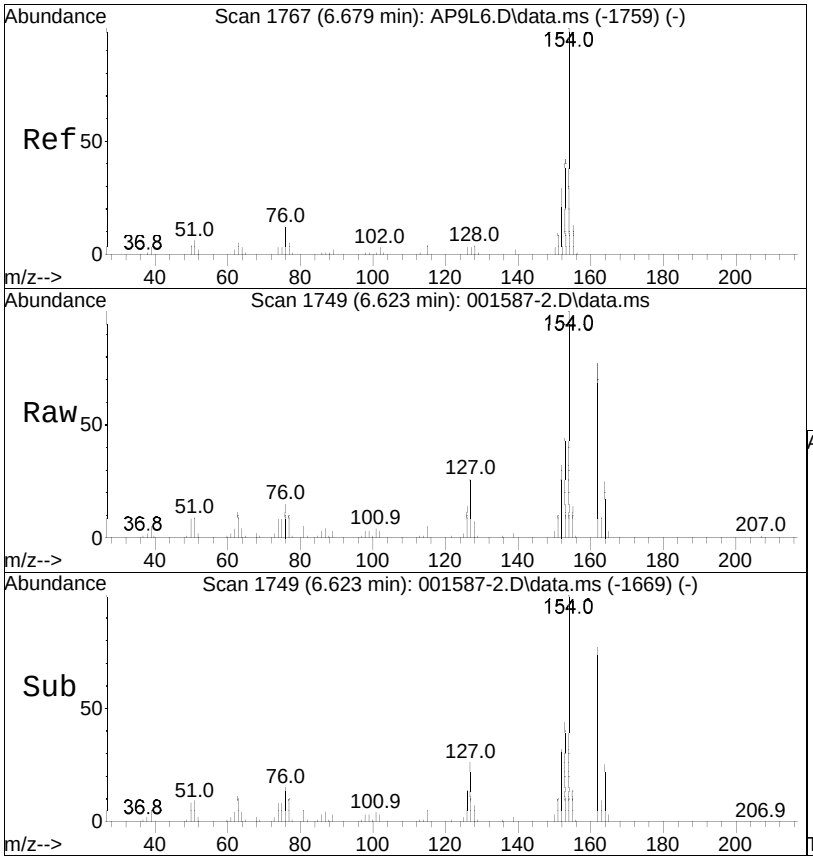


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.51 ug/ml
RT: 6.331 min Scan# 1655
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:216 Resp: 17585

Ion	Ratio	Lower	Upper
216	100		
214	76.4	63.7	95.5
179	17.6	19.0	28.6#

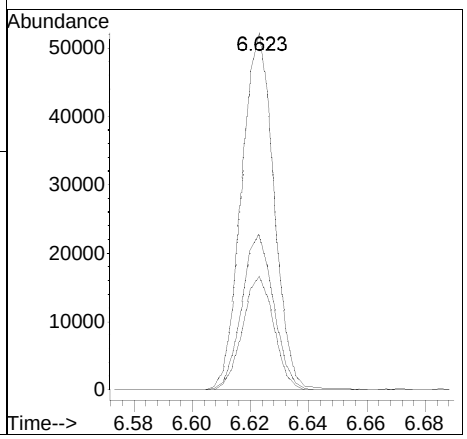


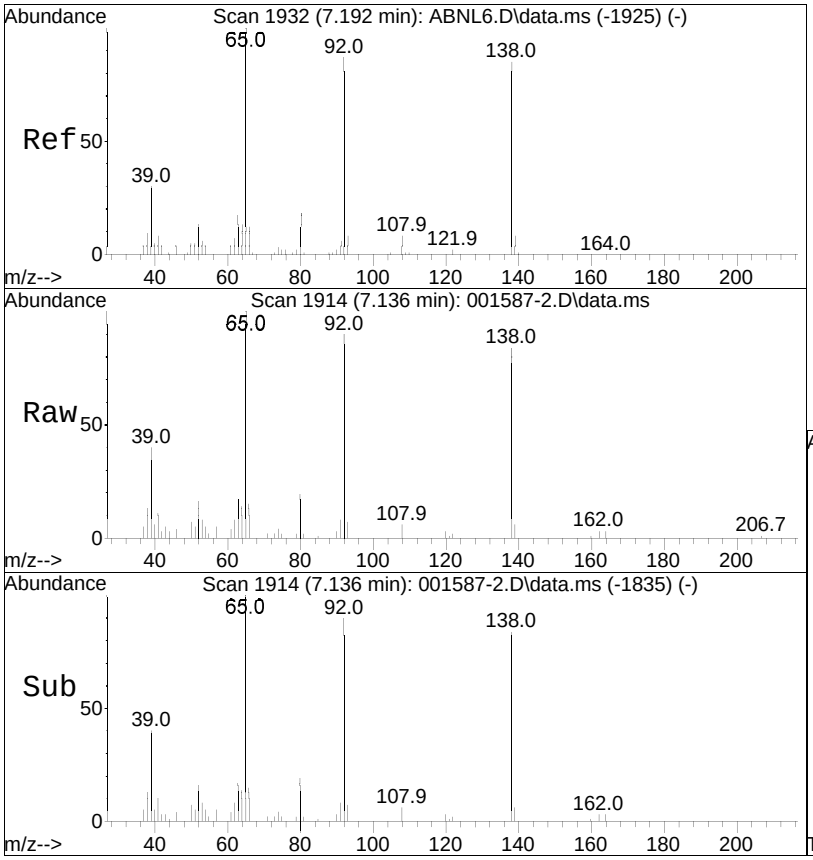


#64
Biphenyl
Concen: 1.69 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:154 Resp: 40121

Ion	Ratio	Lower	Upper
154	100		
153	42.9	32.3	48.5
152	30.8	22.5	33.7

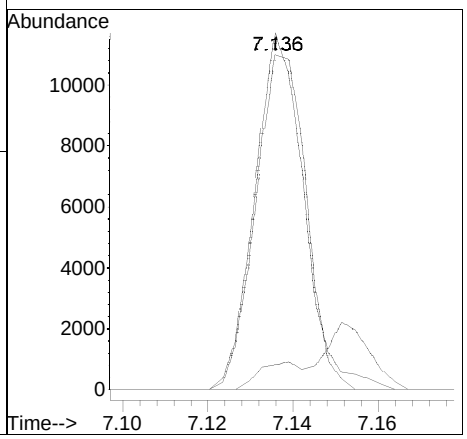


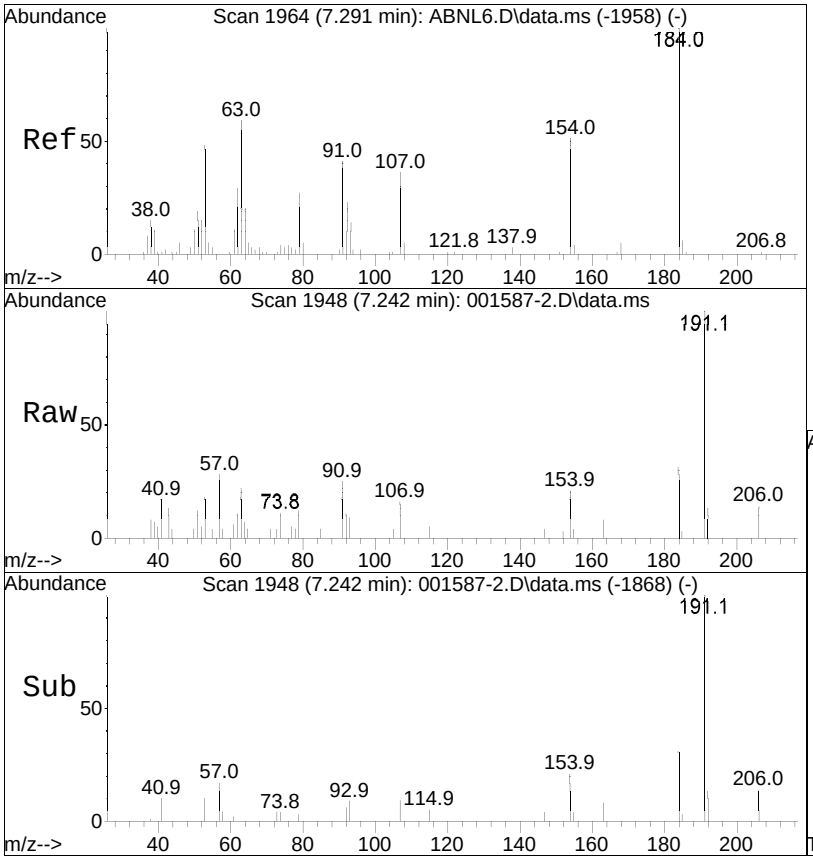


#66
3-Nitroaniline
Concen: 1.53 ug/ml
RT: 7.136 min Scan# 1914
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:138 Resp: 9028

Ion	Ratio	Lower	Upper
138	100		
92	103.8	93.4	140.2
108	25.0	9.5	14.3#

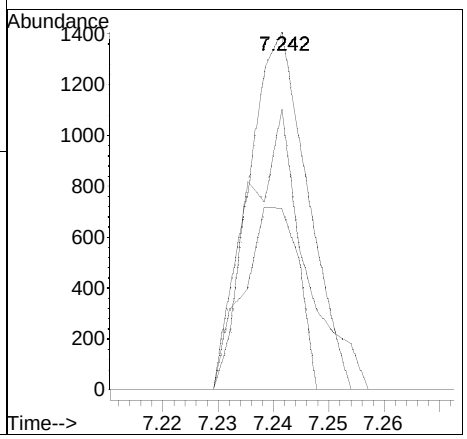


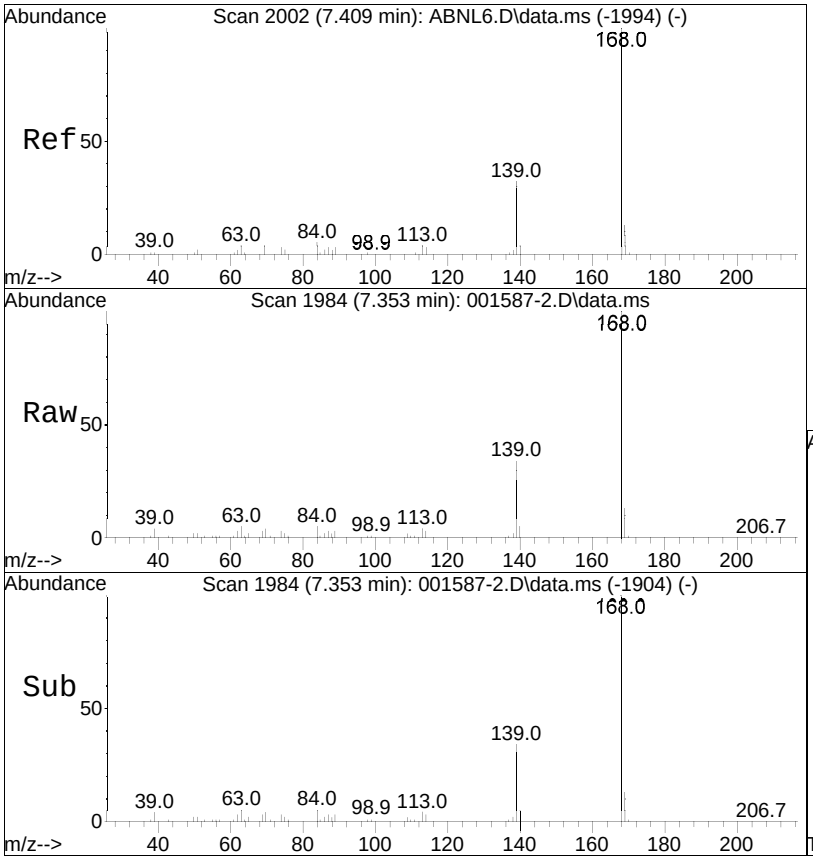


#68
2,4-Dinitrophenol
Concen: 0.29 ug/ml
RT: 7.242 min Scan# 1948
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:184 Resp: 1052

Ion	Ratio	Lower	Upper
184	100		
107	0.0	37.7	56.5#
91	73.7	46.3	69.5#

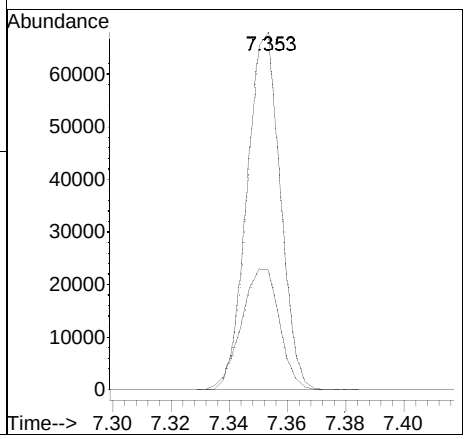


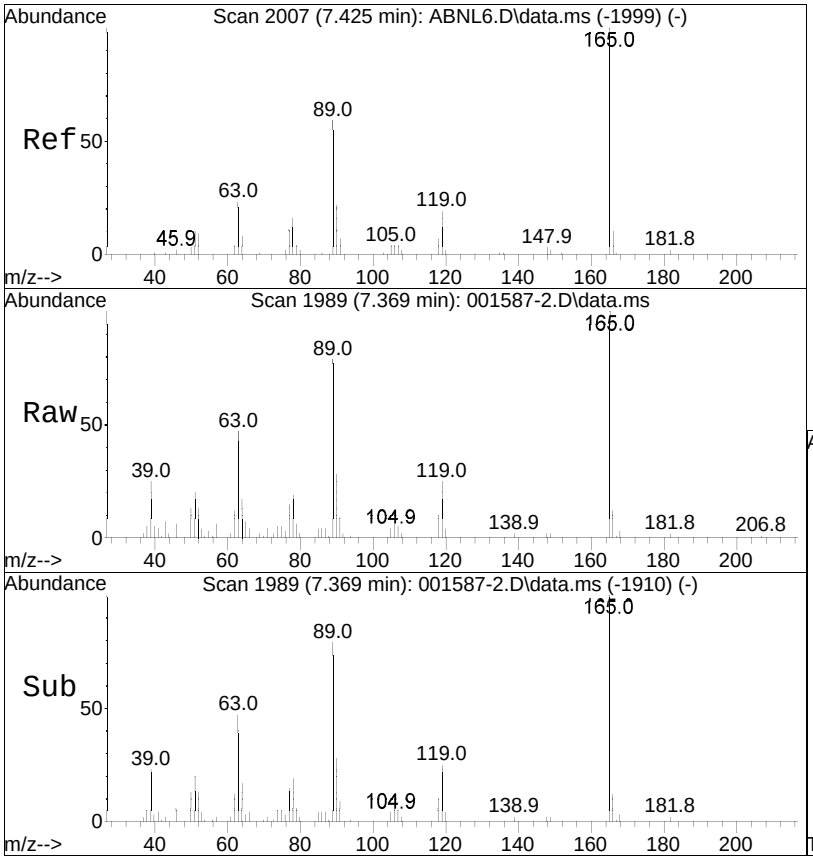


#69
Dibenzofuran
Concen: 1.40 ug/ml
RT: 7.353 min Scan# 1984
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:168 Resp: 53535

Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.4	47.2

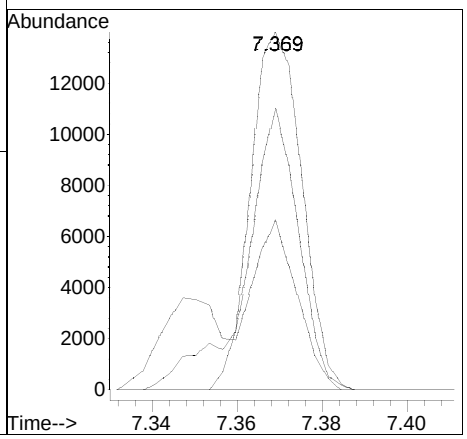


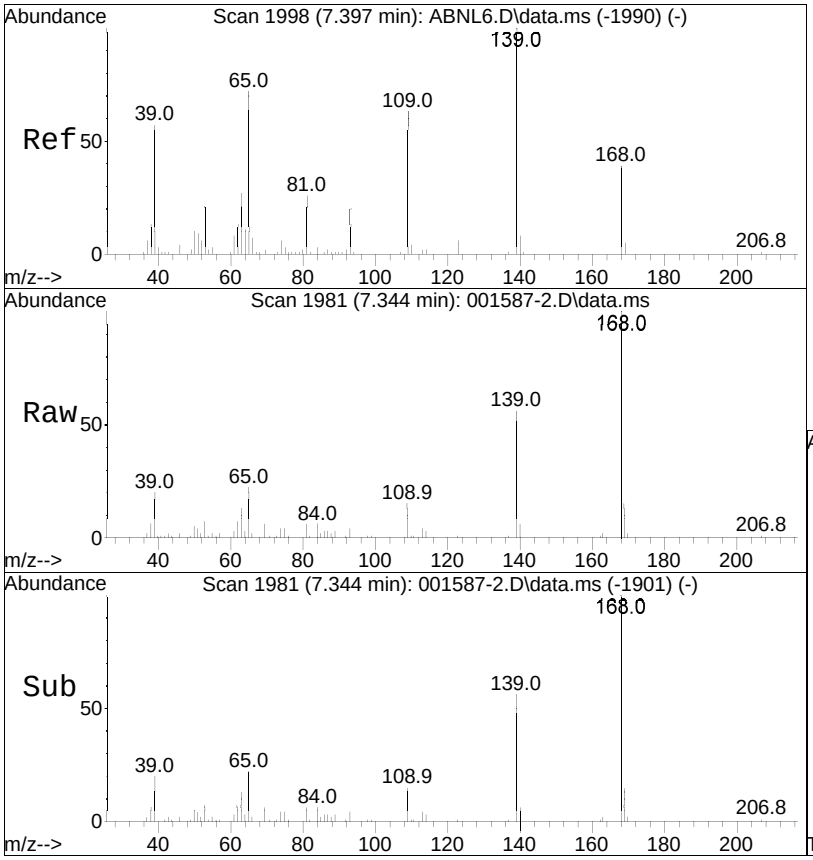


#70
2,4-Dinitrotoluene
Concen: 1.58 ug/ml
RT: 7.369 min Scan# 1989
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:165 Resp: 11672

Ion	Ratio	Lower	Upper
165	100		
89	81.5	72.0	108.0
63	40.7	52.7	79.1#

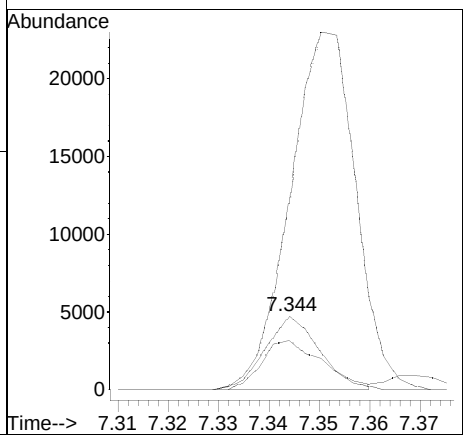


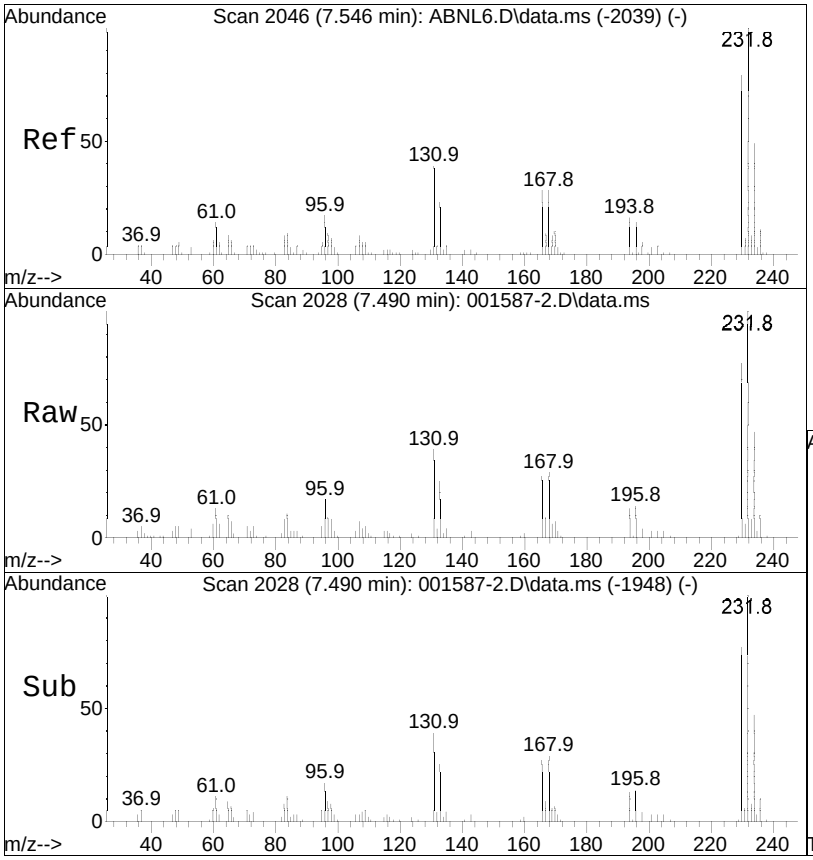


#71
4-Nitrophenol
Concen: 0.82 ug/ml
RT: 7.344 min Scan# 1981
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion: 65 Resp: 3611

Ion	Ratio	Lower	Upper
65	100		
109	73.1	47.4	71.2#
139	575.4	76.6	115.0#

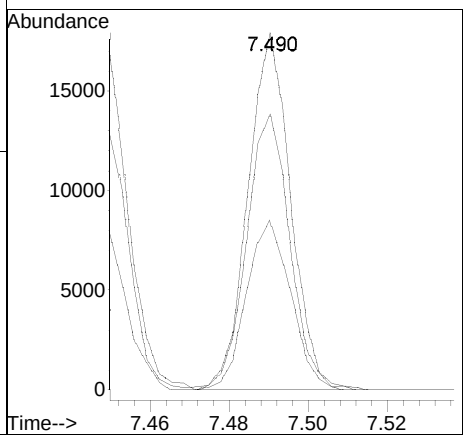


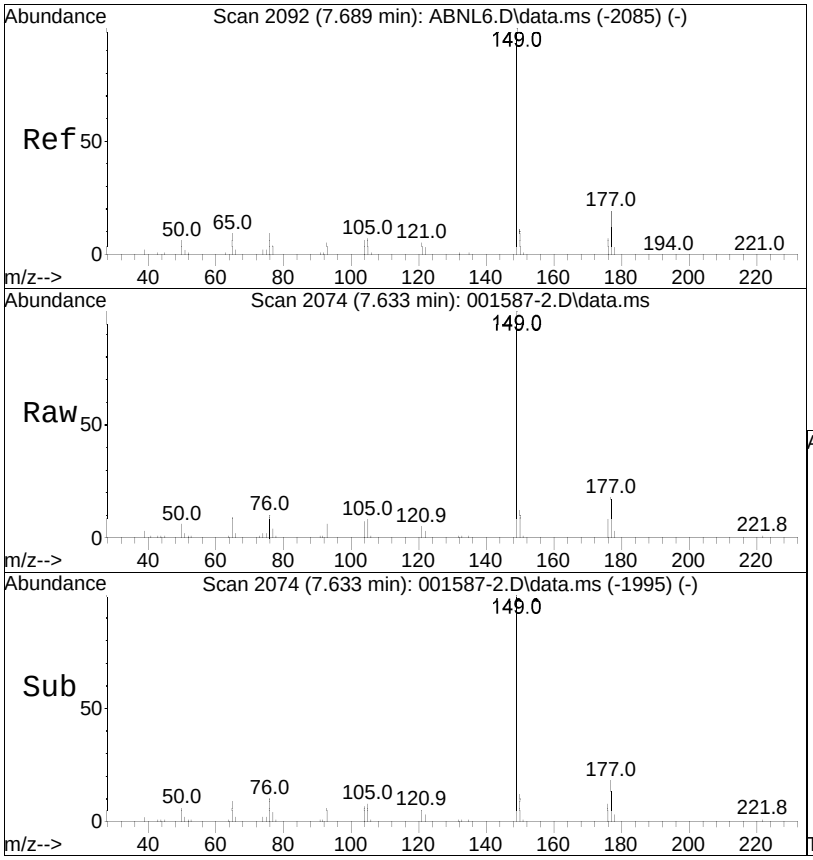


#73
2,3,4,6-Tetrachlorophenol
Concen: 1.64 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:232 Resp: 13406

Ion	Ratio	Lower	Upper
232	100		
230	79.0	61.8	92.8
234	49.5	36.2	54.2

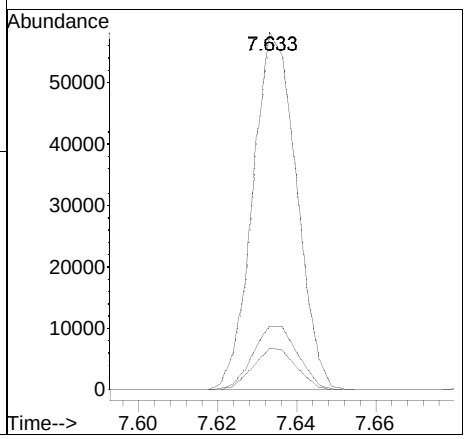


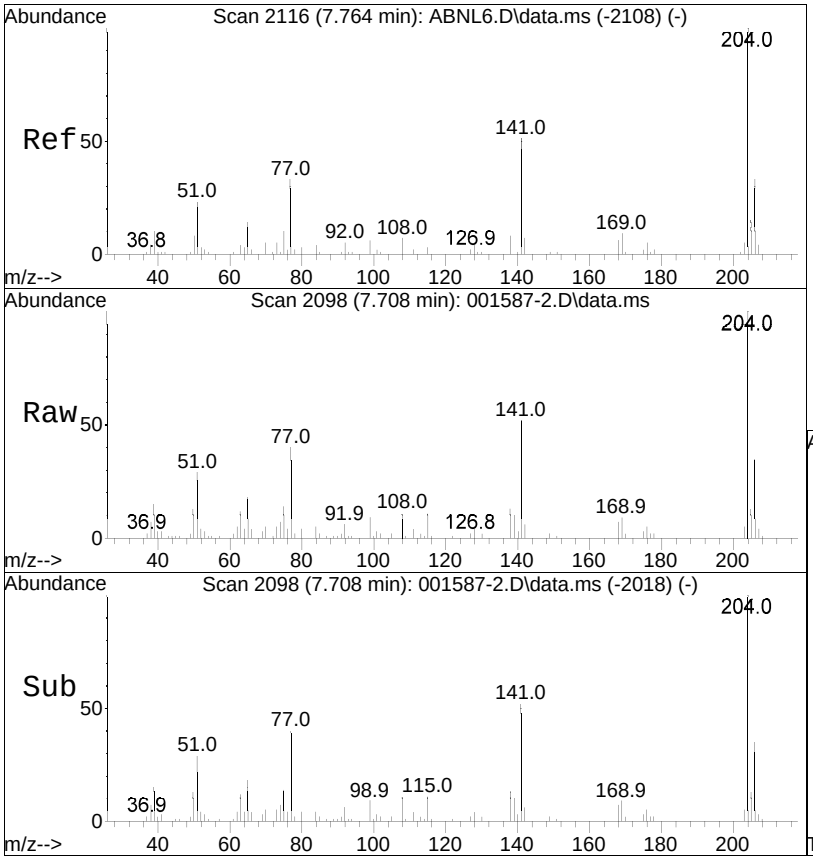


#74
Diethyl phthalate
Concen: 1.47 ug/ml
RT: 7.633 min Scan# 2074
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:149 Resp: 44260

Ion	Ratio	Lower	Upper
149	100		
177	18.5	16.1	24.1
150	11.6	9.4	14.2

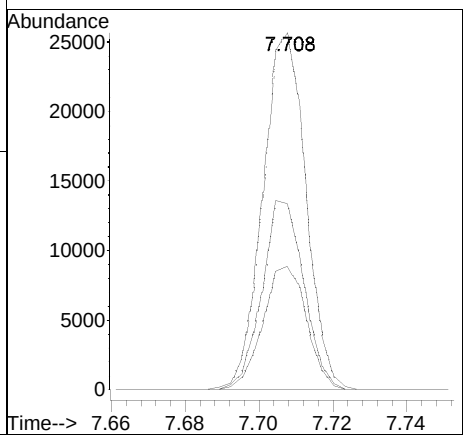


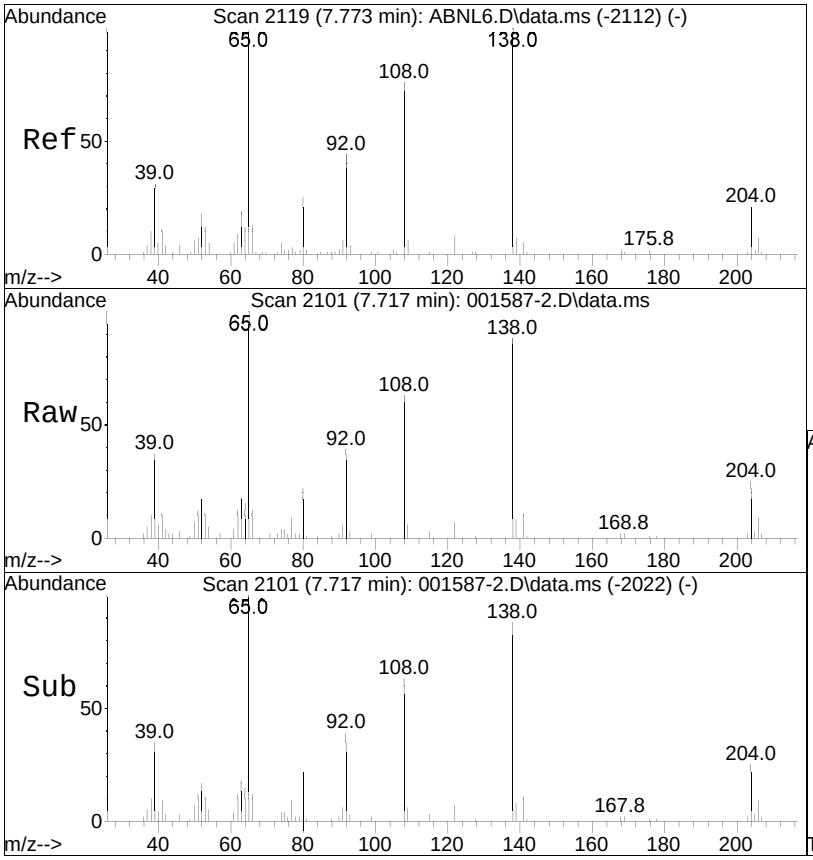


#76
4-Chlorophenyl phenyl ether
Concen: 1.36 ug/ml
RT: 7.708 min Scan# 2098
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:204 Resp: 20602

Ion	Ratio	Lower	Upper
204	100		
206	35.4	25.8	38.6
141	51.7	53.6	80.4#

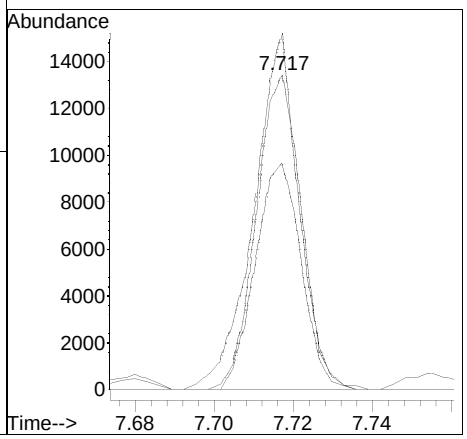


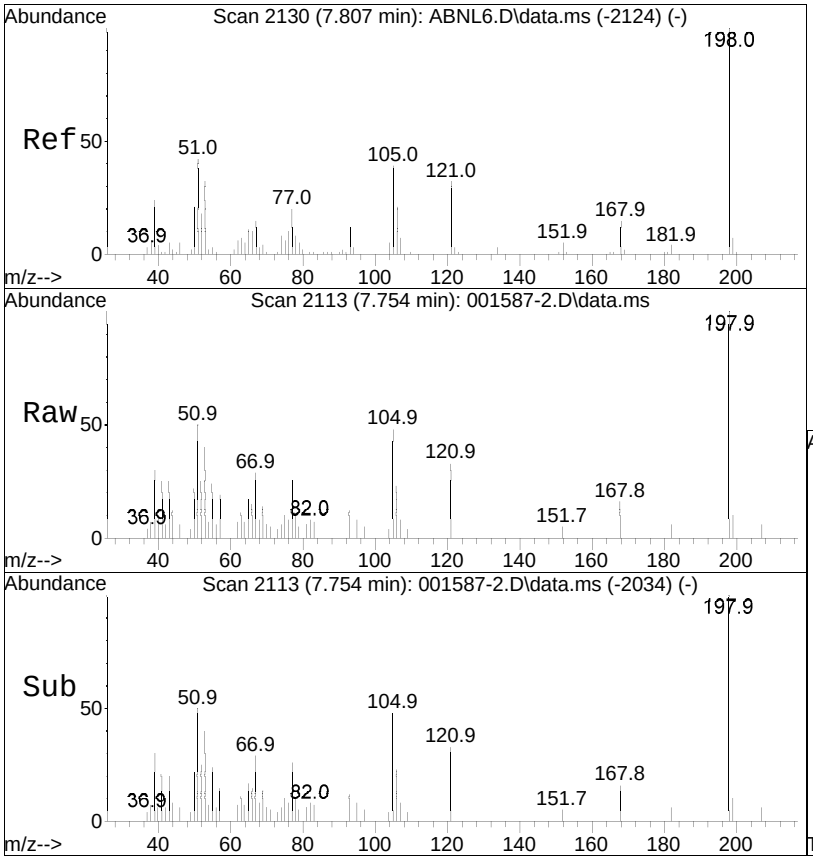


#77
4-Nitroaniline
Concen: 1.85 ug/ml
RT: 7.717 min Scan# 2101
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:138 Resp: 10569

Ion	Ratio	Lower	Upper
138	100		
108	73.3	52.1	78.1
65	113.0	115.0	172.6#

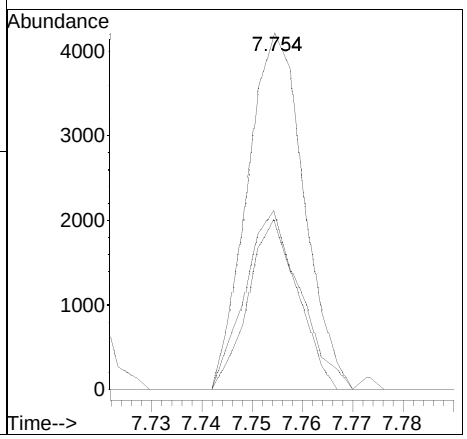


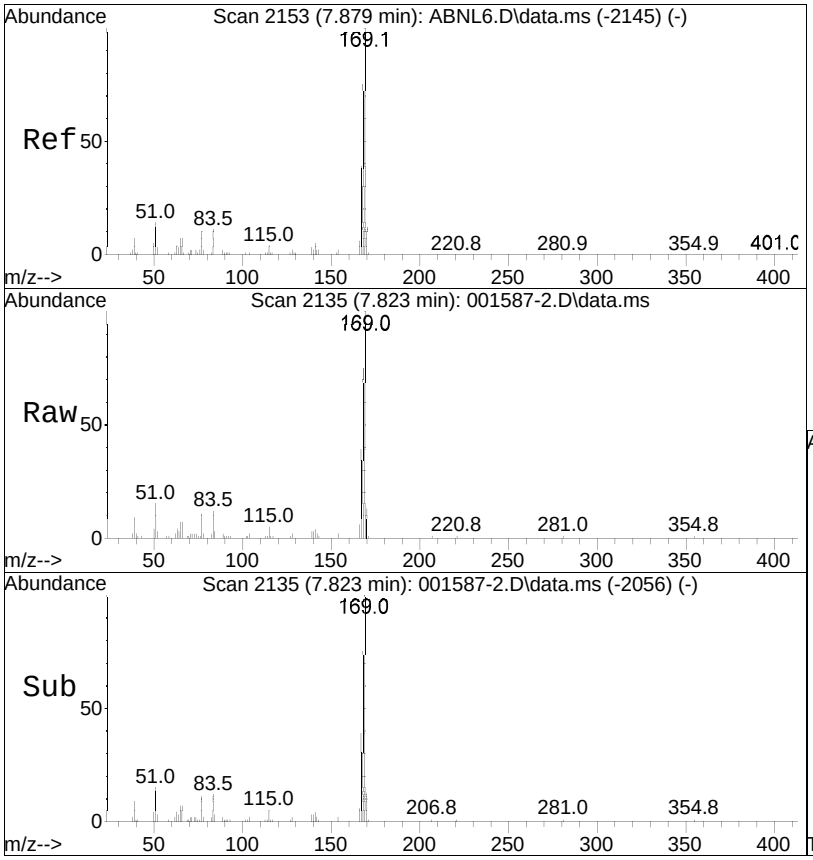


#78
4,6-Dinitro-o-cresol
Concen: 0.73 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:198 Resp: 3285

Ion	Ratio	Lower	Upper
198	100		
51	49.9	76.0	114.0#
105	42.1	45.6	68.4#

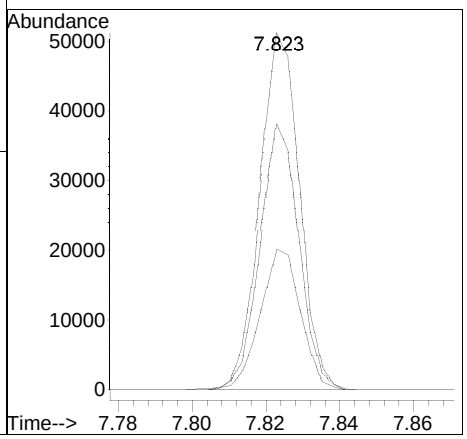


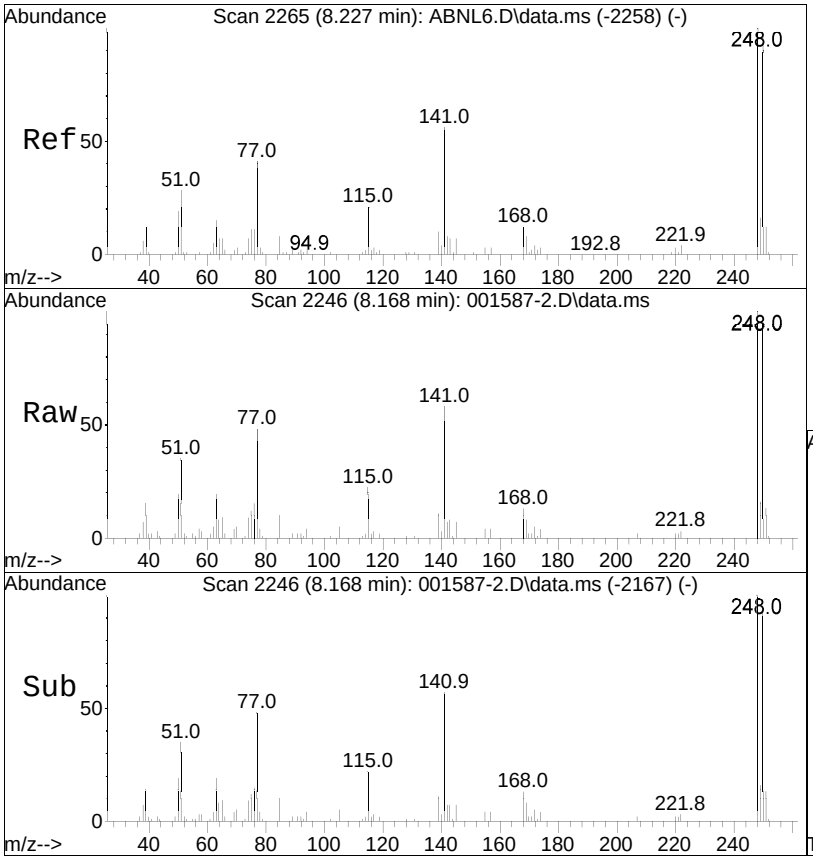


#79
NDPA/DPA
Concen: 1.50 ug/ml
RT: 7.823 min Scan# 2135
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:169 Resp: 38295

Ion	Ratio	Lower	Upper
169	100		
168	73.3	54.0	81.0
167	40.1	28.6	42.8

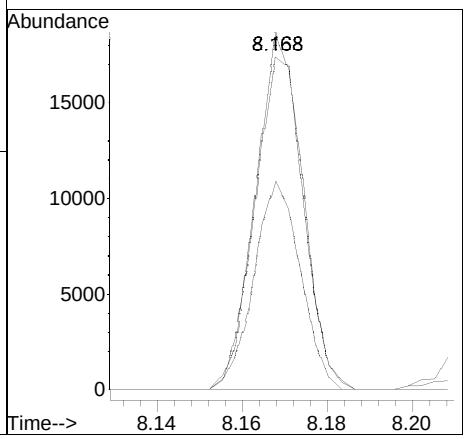


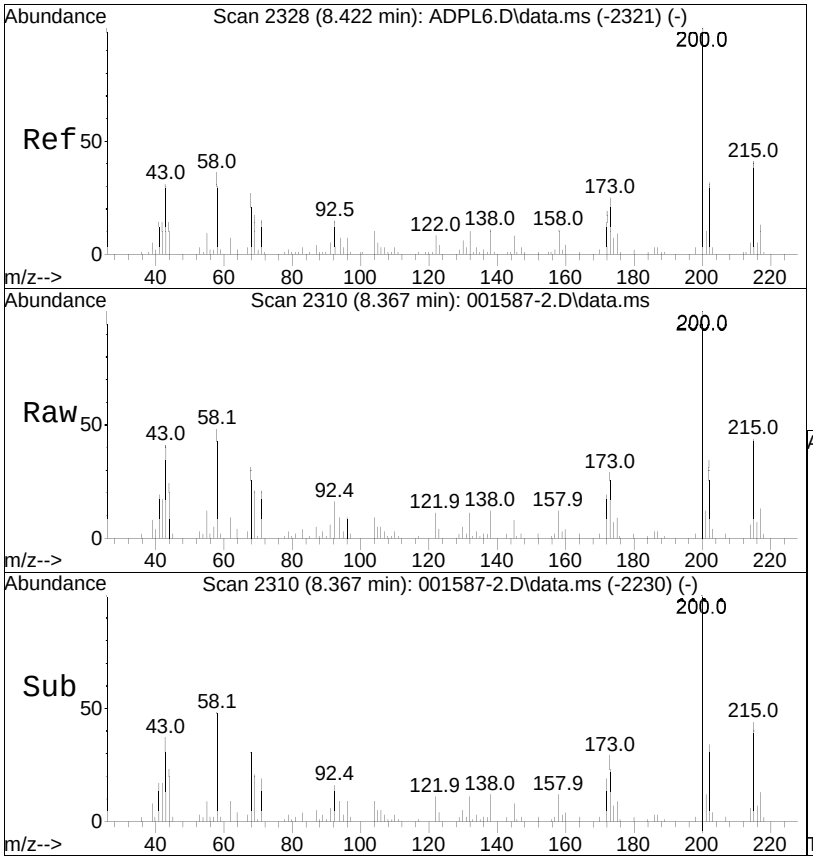


#82
4-Bromophenyl phenyl ether
Concen: 1.43 ug/ml
RT: 8.168 min Scan# 2246
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:248 Resp: 14257

Ion	Ratio	Lower	Upper
248	100		
141	57.9	76.6	114.8#
250	96.3	77.3	115.9

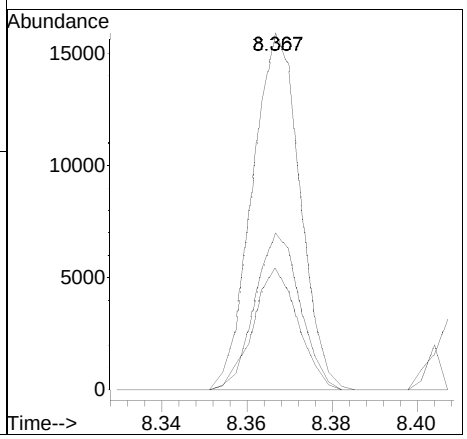


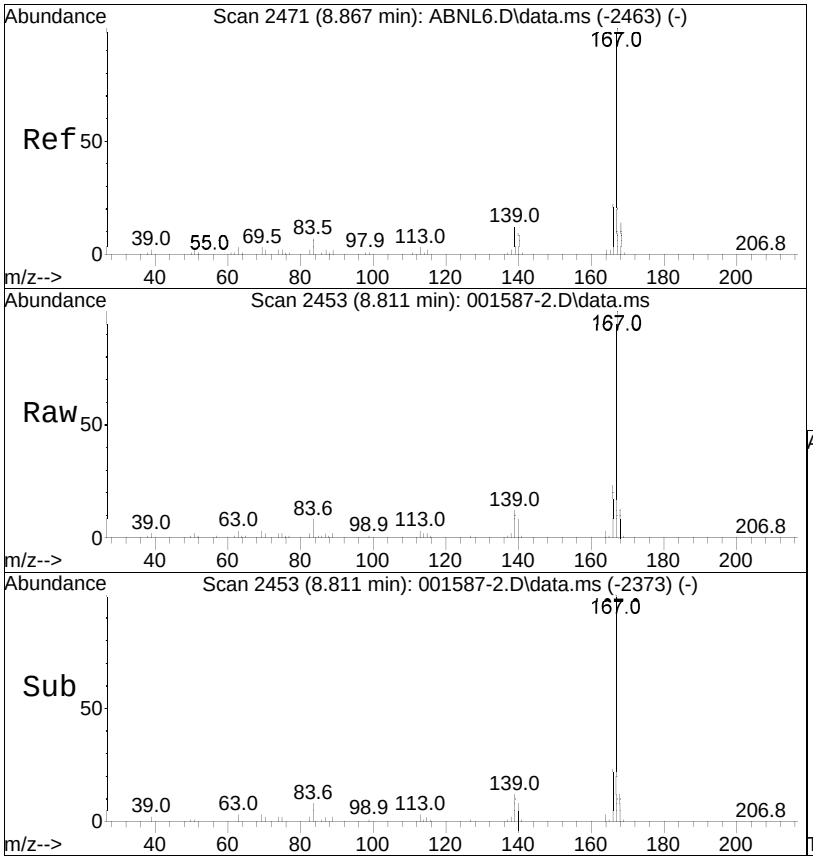


#89
Atrazine
Concen: 1.88 ug/ml
RT: 8.367 min Scan# 2310
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:200 Resp: 12326

Ion	Ratio	Lower	Upper
200	100		
202	32.4	25.8	38.6
215	41.7	40.2	60.4

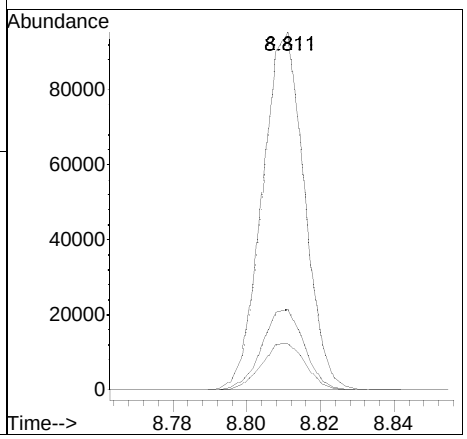


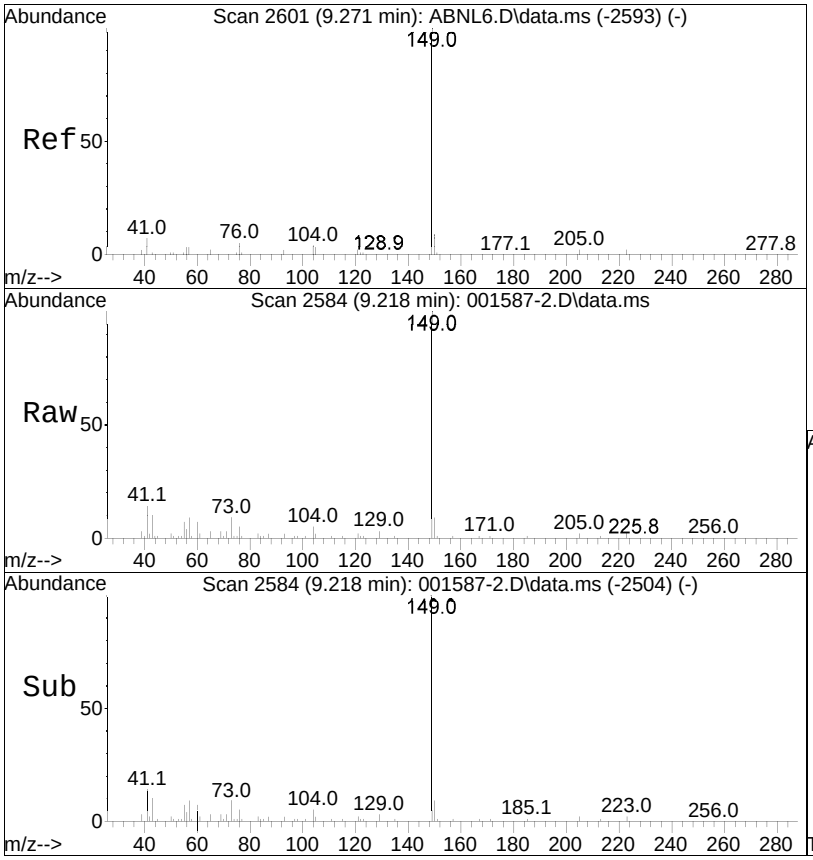


#93
Carbazole
Concen: 1.63 ug/ml
RT: 8.811 min Scan# 2453
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:167 Resp: 74904

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.7	17.4	26.0

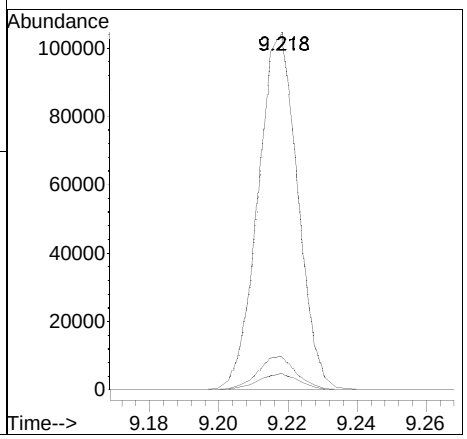


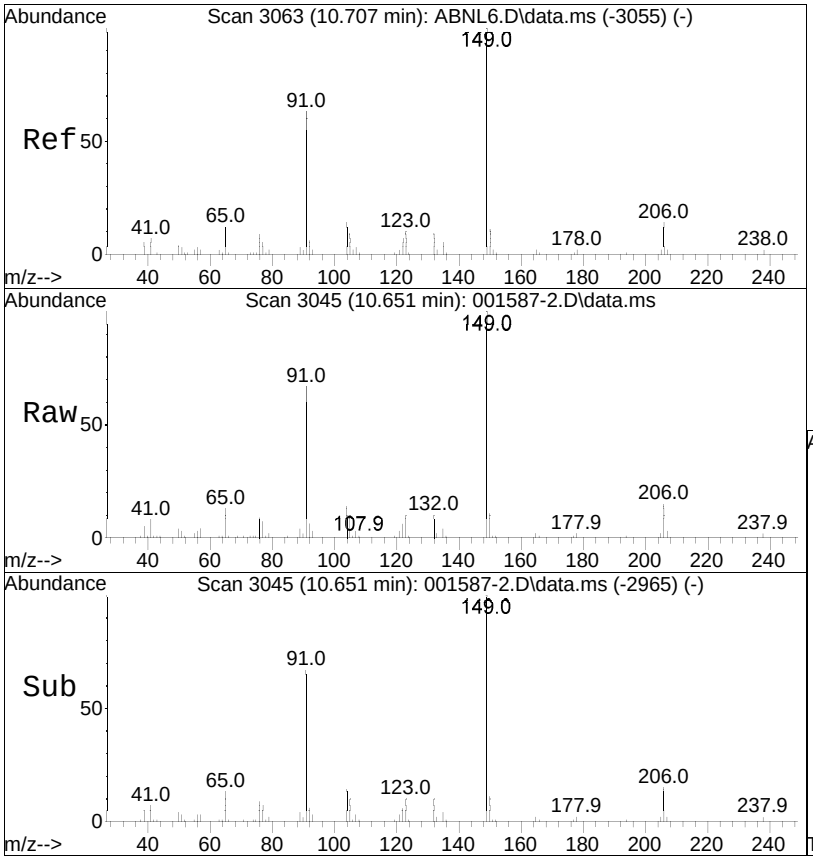


#94
Di-n-butylphthalate
Concen: 1.58 ug/ml
RT: 9.218 min Scan# 2584
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:149 Resp: 81961

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.5	4.5	6.7#

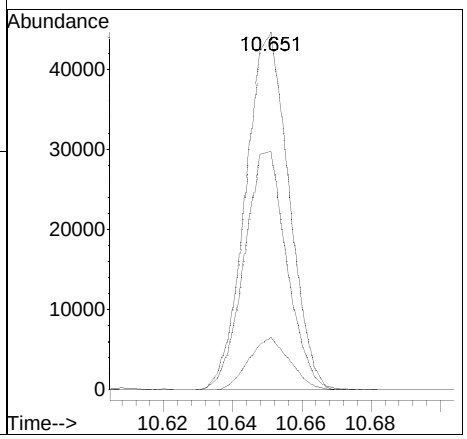


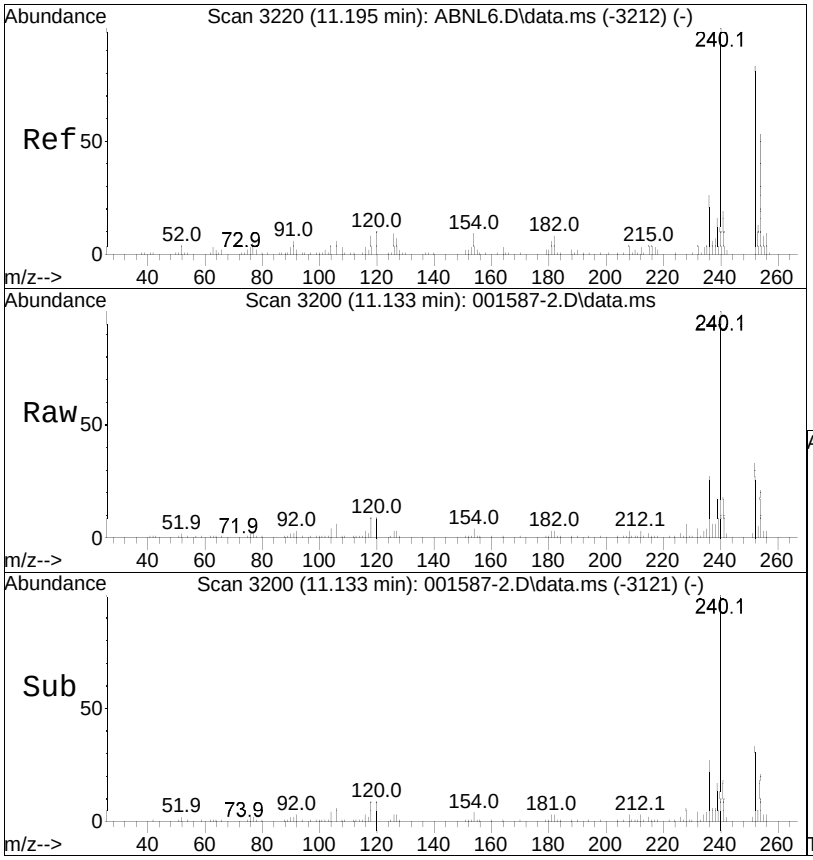


#99
Butyl benzyl phthalate
Concen: 1.73 ug/ml
RT: 10.651 min Scan# 3045
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:149 Resp: 38557

Ion	Ratio	Lower	Upper
149	100		
91	65.8	63.3	94.9
206	13.8	13.9	20.9#

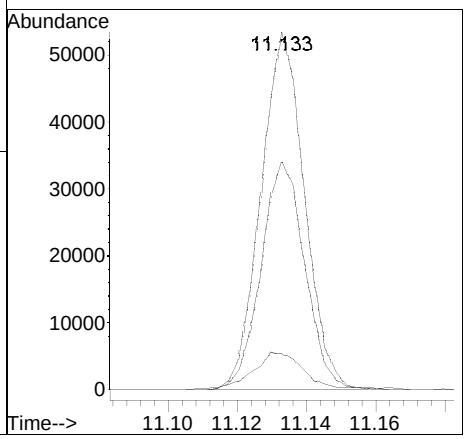


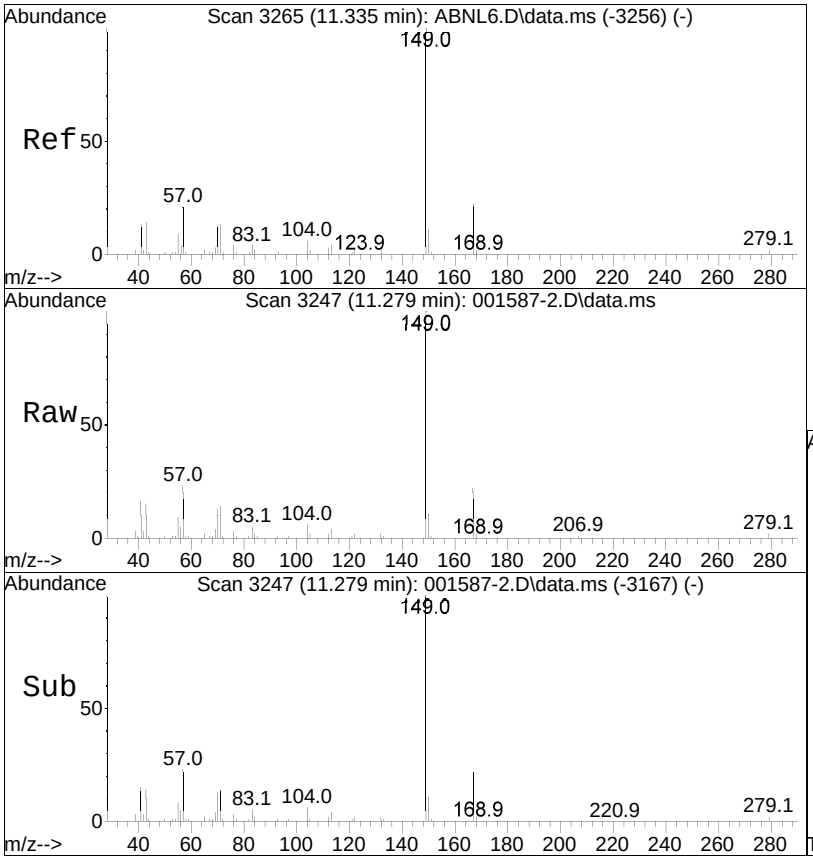


#108
3,3'-Dichlorobenzidine
Concen: 1.82 ug/ml
RT: 11.133 min Scan# 3200
Delta R.T. -0.003 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:252 Resp: 46383

Ion	Ratio	Lower	Upper
252	100		
126	12.7	14.5	21.7#
254	64.2	51.2	76.8

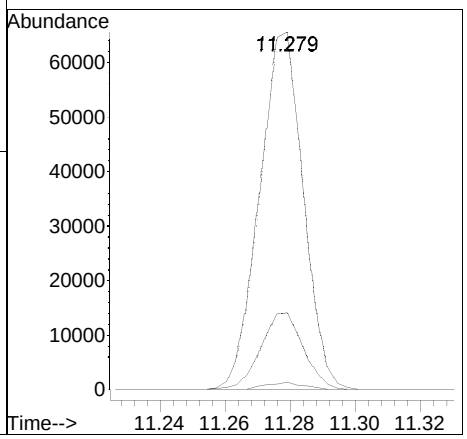


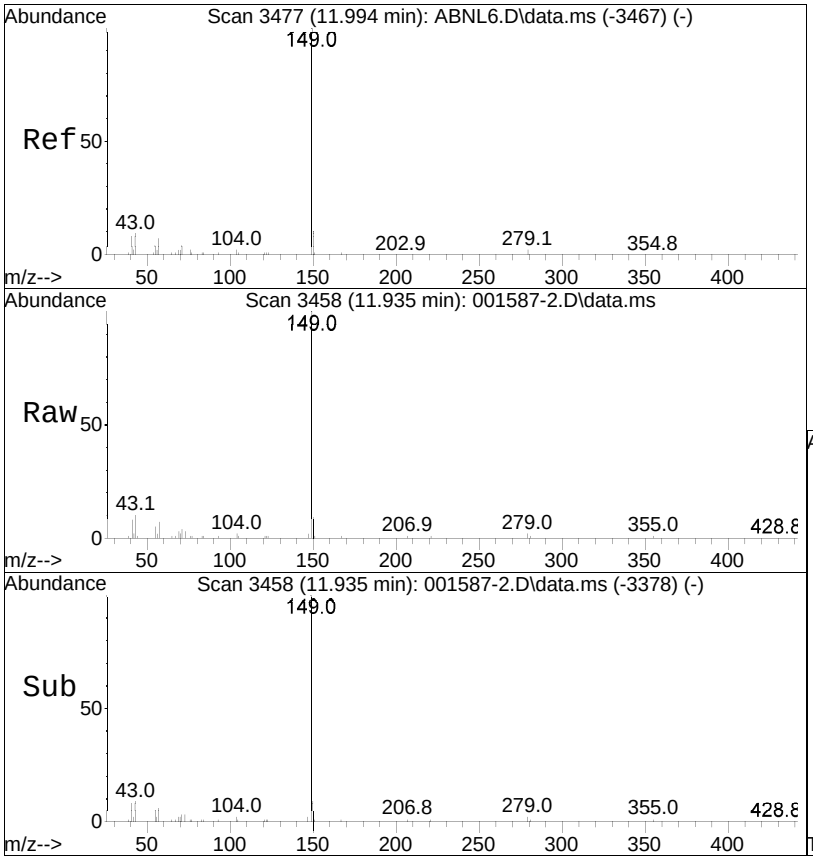


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.65 ug/ml
RT: 11.279 min Scan# 3247
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:149 Resp: 60657

Ion	Ratio	Lower	Upper
149	100		
167	21.0	22.1	33.1#
279	1.6	3.0	4.4#

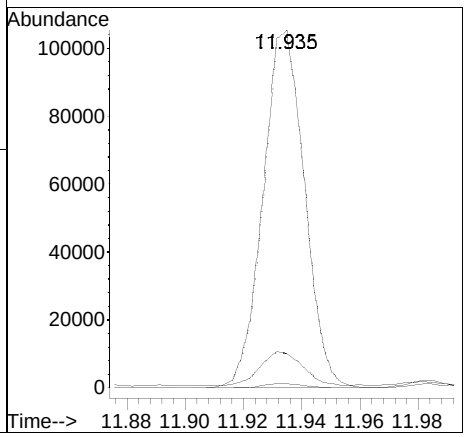




#111
Di-n-octylphthalate
Concen: 1.68 ug/ml
RT: 11.935 min Scan# 3458
Delta R.T. 0.000 min
Lab File: 001587-2.D
Acq: 25 Nov 2024 10:44 pm

Tgt Ion:149 Resp: 102970

Ion	Ratio	Lower	Upper
149	100		
43	9.9	18.8	28.2#
167	1.1	1.3	1.9#



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-3.D
Acq On : 23 Nov 2024 5:49 pm
Operator : Dakota:ek
Sample : WG2001353-3,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 24 08:52:38 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.227	152	22064	4.000	ug/ml		0.00
Standard Area 1 = 26746			Recovery = 82.49%				
27) IS2_1,4-Dichlorobenzen...	4.227	152	22064	4.000	ug/ml		0.00
Standard Area 3 = 24842			Recovery = 88.82%				
32) IS3_1,4-Dichlorobenzen...	4.227	152	22064	4.000	ug/ml		0.00
Standard Area 2 = 25764			Recovery = 85.64%				
37) IS1_Naphthalene-d8	5.464	136	87691	4.000	ug/ml	#	0.00
Standard Area 1 = 105446			Recovery = 83.16%				
57) IS2_Naphthalene-d8	5.464	136	87691	4.000	ug/ml	#	0.00
Standard Area 3 = 98292			Recovery = 89.21%				
65) IS1_Acenaphthene-d10	7.154	164	59582	4.000	ug/ml		0.00
Standard Area 1 = 72361			Recovery = 82.34%				
85) IS2_Acenaphthene-d10	7.154	164	59582	4.000	ug/ml		0.00
Standard Area 3 = 67111			Recovery = 88.78%				
88) IS3_Acenaphthene-d10	7.154	164	59582	4.000	ug/ml		0.00
Standard Area 2 = 67172			Recovery = 88.70%				
90) IS1_Phenanthrene-d10	8.569	188	138779	4.000	ug/ml		0.00
Standard Area 1 = 160365			Recovery = 86.54%				
102) IS3_Phenanthrene-d10	8.569	188	138779	4.000	ug/ml		0.00
Standard Area 2 = 159399			Recovery = 87.06%				
106) IS1_Chrysene-d12	11.130	240	161362	4.000	ug/ml		0.00
Standard Area 1 = 195962			Recovery = 82.34%				
115) IS1_Perylene-d12	12.547	264	187864	4.000	ug/ml		0.00
Standard Area 1 = 235211			Recovery = 79.87%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.927	112	6124	1.080	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 54.00%				
7) Phenol-d6	3.928	99	6342	0.873	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.65%				
19) Nitrobenzene-d5	4.780	82	5462	0.829	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.90%				
48) 2-Fluorobiphenyl	6.539	172	15190	0.700	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.00%				
81) 2,4,6-Tribromophenol	7.913	330	6964	1.635	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 81.75%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-3.D
Acq On : 23 Nov 2024 5:49 pm
Operator : Dakota:ek
Sample : WG2001353-3,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 24 08:52:38 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.135	244	31498	0.784	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 78.40%

Target Compounds						Qvalue
6) 2-Chlorophenol	4.018	128	9042	1.338	ug/ml	91
8) Phenol	3.941	94	7111	0.907	ug/ml	95
9) Bis(2-chloroethyl)ether	4.003	93	7741	1.379	ug/ml#	73
14) Bis(2-chloroisopropyl)...	4.537	45	14217	1.437	ug/ml#	65
15) 2-Methylphenol	4.534	108	7628	1.281	ug/ml	95
17) n-Nitrosodi-n-propylamine	4.668	70	6623	1.392	ug/ml#	83
18) 3-Methylphenol/4-Methy...	4.693	108	8353	1.281	ug/ml	99
20) Nitrobenzene	4.795	77	9943	1.475	ug/ml	96
21) Isophorone	5.041	82	17616	1.421	ug/ml	95
22) 2-Nitrophenol	5.112	139	4758	1.394	ug/ml	92
23) 2,4-Dimethylphenol	5.206	107	5820	0.959	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.290	93	11381	1.474	ug/ml#	92
25) 2,4-Dichlorophenol	5.352	162	10675	1.506	ug/ml#	92
28) Benzaldehyde	3.788	105	7404	1.908	ug/ml	95
29) Acetophenone	4.640	105	13908	1.797	ug/ml#	80
40) 4-Chloroaniline	5.569	65	2289	0.863	ug/ml	76
42) p-Chloro-m-cresol	6.076	107	9573	1.507	ug/ml#	91
45) Hexachlorocyclopentadiene	6.334	237	4277	0.717	ug/ml	95
46) 2,4,6-Trichlorophenol	6.455	196	9093	1.447	ug/ml	99
47) 2,4,5-Trichlorophenol	6.483	196	10389	1.479	ug/ml	99
50) 2-Nitroaniline	6.744	138	7818	1.635	ug/ml#	81
53) Dimethyl phthalate	6.949	163	33206	1.529	ug/ml#	98
55) 2,6-Dinitrotoluene	6.990	165	6335	1.562	ug/ml#	78
62) Caprolactam	5.865	55	2134	0.792	ug/ml#	84
63) 1,2,4,5-Tetrachloroben...	6.334	216	13764	1.520	ug/ml#	95
64) Biphenyl	6.626	154	31103	1.686	ug/ml	97
66) 3-Nitroaniline	7.139	138	7131	1.550	ug/ml#	89
68) 2,4-Dinitrophenol	7.242	184	3222	1.150	ug/ml#	81
69) Dibenzofuran	7.353	168	42481	1.422	ug/ml	91
70) 2,4-Dinitrotoluene	7.372	165	9350	1.621	ug/ml#	81
71) 4-Nitrophenol	7.341	65	4430	1.292	ug/ml#	1
73) 2,3,4,6-Tetrachlorophenol	7.490	232	10245	1.608	ug/ml	97
74) Diethyl phthalate	7.636	149	34848	1.486	ug/ml	97

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-3.D
Acq On : 23 Nov 2024 5:49 pm
Operator : Dakota:ek
Sample : WG2001353-3,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 24 08:52:38 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241123RVT\ABN1123.D
: 2 - I:\8270\Dakota\241123RVT\ADP1123.D
: 3 - I:\8270\Dakota\241123RVT\AP91123.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	7.708	204	16425	1.393	ug/ml#	87
77)	4-Nitroaniline	7.717	138	8045	1.809	ug/ml	82
78)	4,6-Dinitro-o-cresol	7.754	198	4759	1.365	ug/ml#	63
79)	NDPA/DPA	7.826	169	30533	1.534	ug/ml	95
82)	4-Bromophenyl phenyl e...	8.171	248	11171	1.438	ug/ml#	80
89)	Atrazine	8.370	200	9717	1.901	ug/ml#	91
93)	Carbazole	8.811	167	58104	1.573	ug/ml	98
94)	Di-n-butylphthalate	9.218	149	70629	1.687	ug/ml#	99
99)	Butyl benzyl phthalate	10.654	149	28222	1.574	ug/ml	84
108)	3,3'-Dichlorobenzidine	11.136	252	31410	1.542	ug/ml#	96
110)	Bis(2-ethylhexyl)phtha...	11.282	149	46526	1.588	ug/ml#	88
111)	Di-n-octylphthalate	11.938	149	72497	1.483	ug/ml#	74

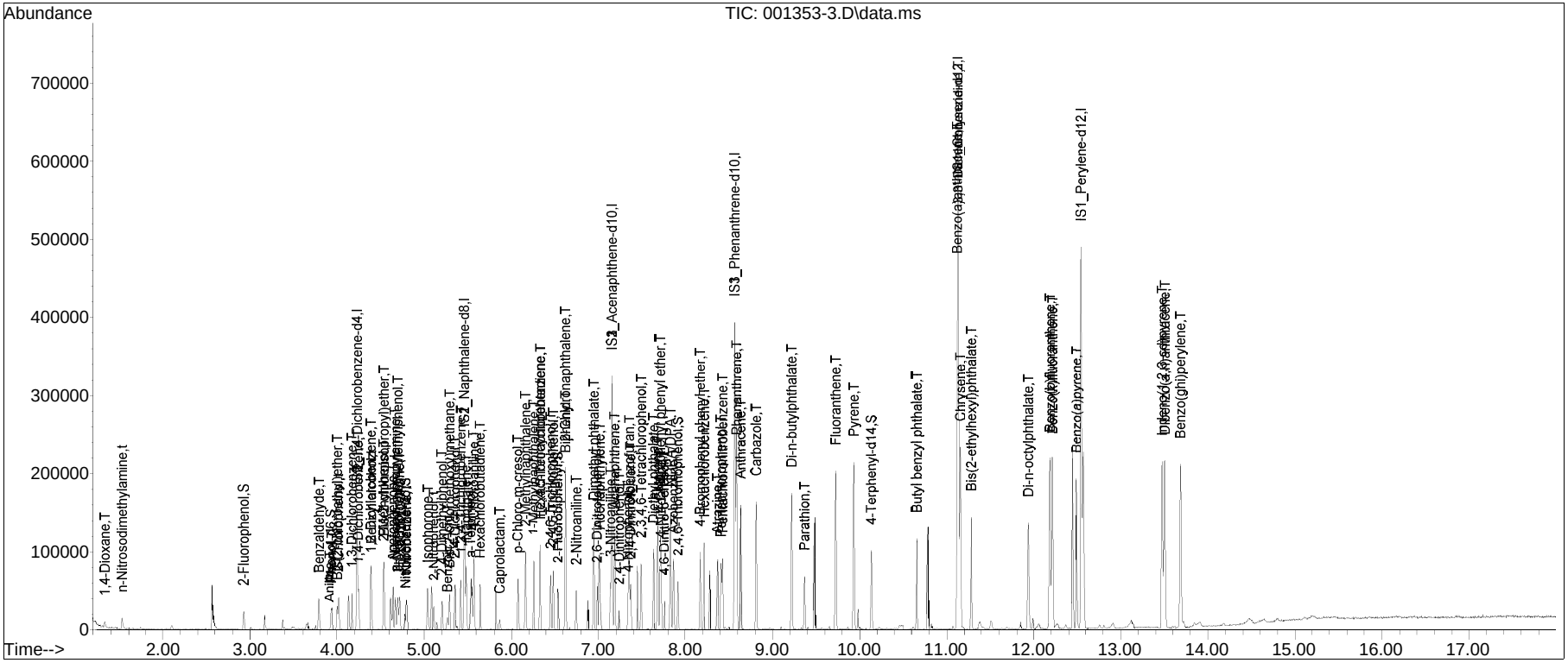
(#) = qualifier out of range (m) = manual integration (+) = signals summed

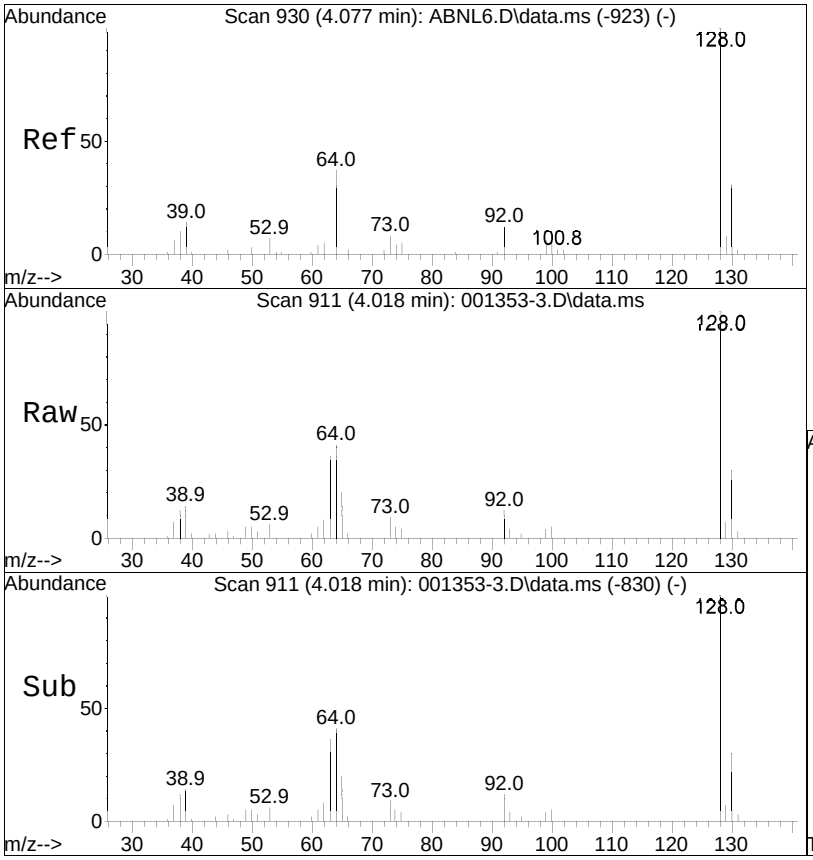
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241123RVT\
Data File : 001353-3.D
Acq On : 23 Nov 2024 5:49 pm
Operator : Dakota:ek
Sample : WG2001353-3,32,,cmm
Misc : wg2001490,WG2001353,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 24 08:52:38 2024
Quant Method : I:\8270\Dakota\241123RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 22 22:11:46 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA3RVT\AP91123.D•

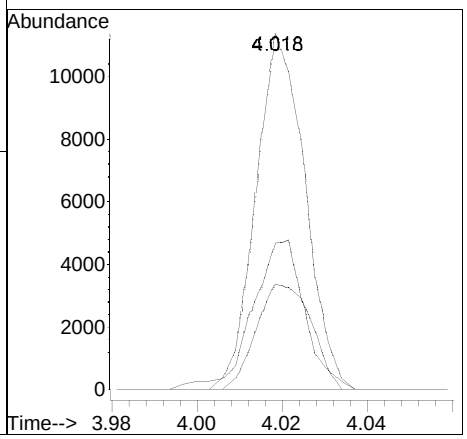


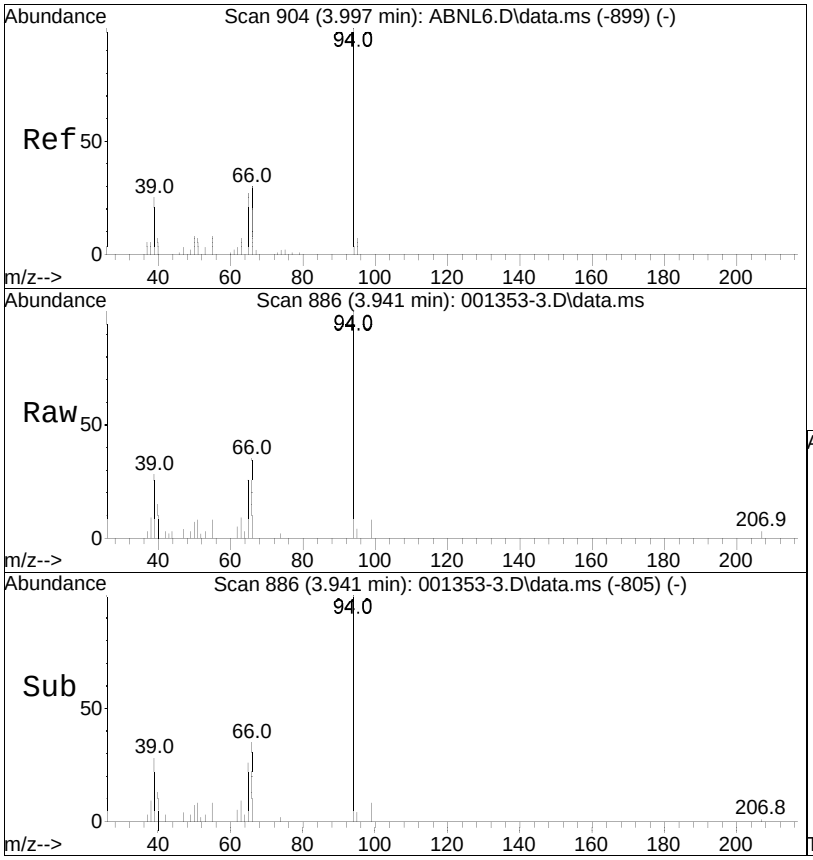


#6
2-Chlorophenol
Concen: 1.34 ug/ml
RT: 4.018 min Scan# 911
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:128 Resp: 9042

Ion	Ratio	Lower	Upper
128	100		
64	46.3	45.1	67.7
130	31.7	26.2	39.4

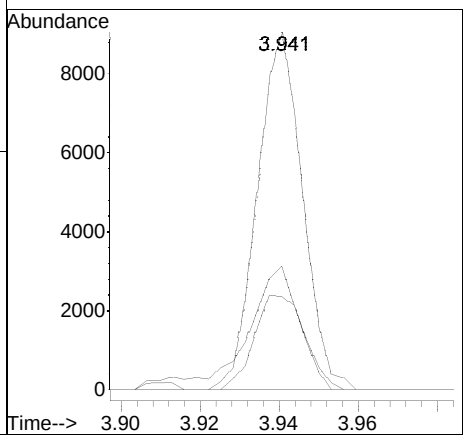


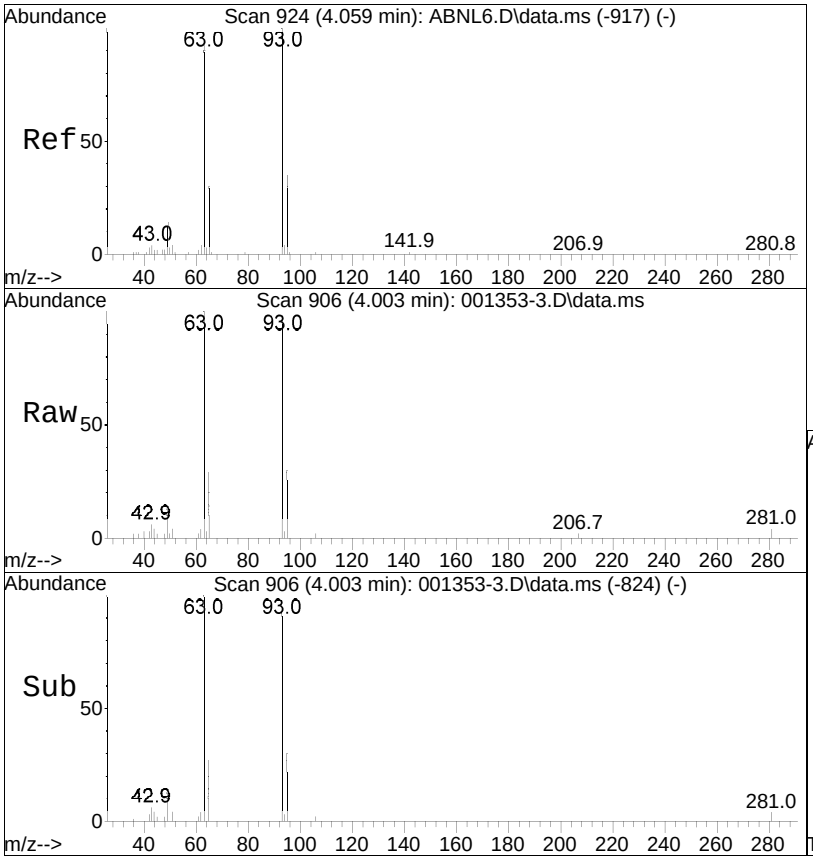


#8
Phenol
Concen: 0.91 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 94 Resp: 7111

Ion	Ratio	Lower	Upper
94	100		
65	28.8	26.0	39.0
66	39.6	33.8	50.8

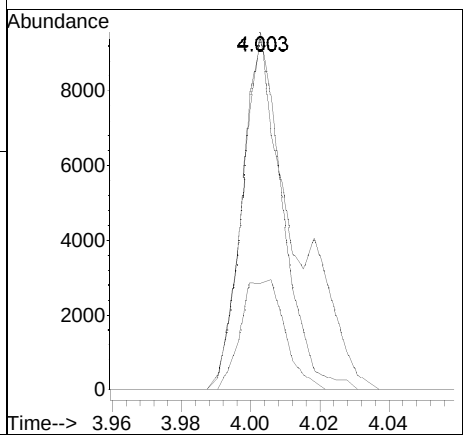


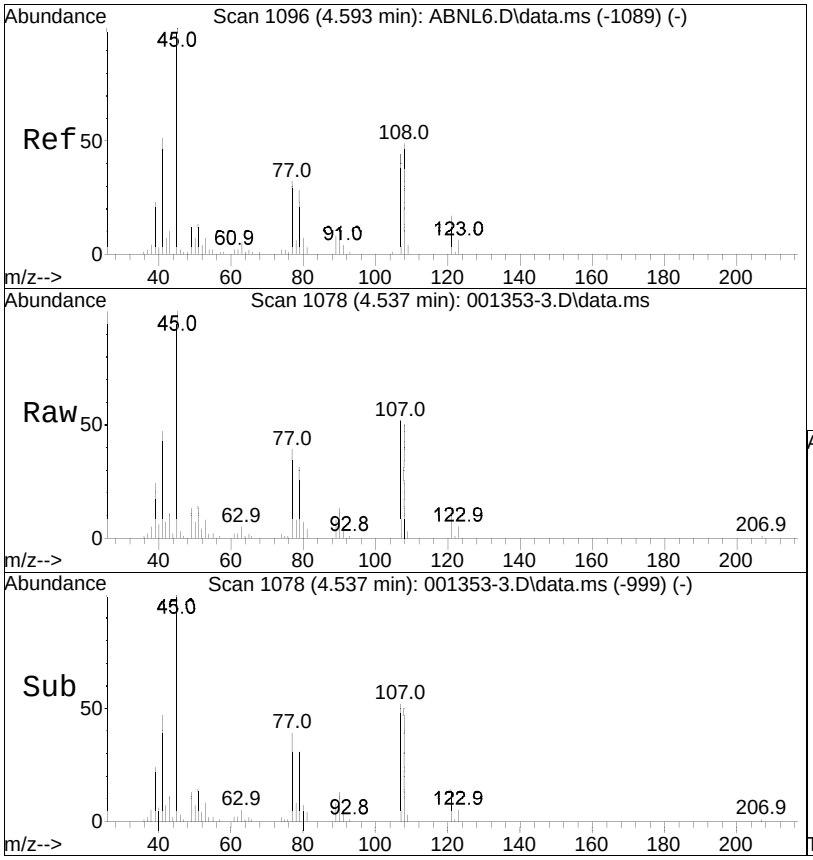


#9
Bis(2-chloroethyl)ether
Concen: 1.38 ug/ml
RT: 4.003 min Scan# 906
Delta R.T. 0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 93 Resp: 7741

Ion	Ratio	Lower	Upper
93	100		
63	127.5	74.6	111.8#
95	33.4	25.9	38.9

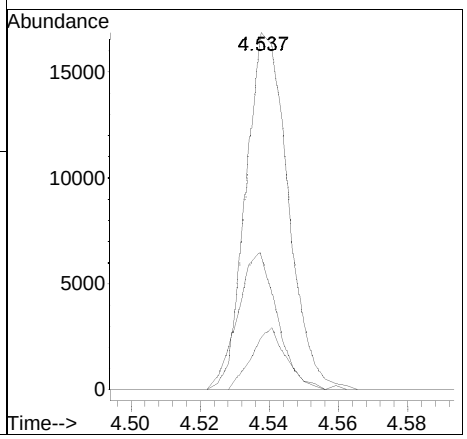


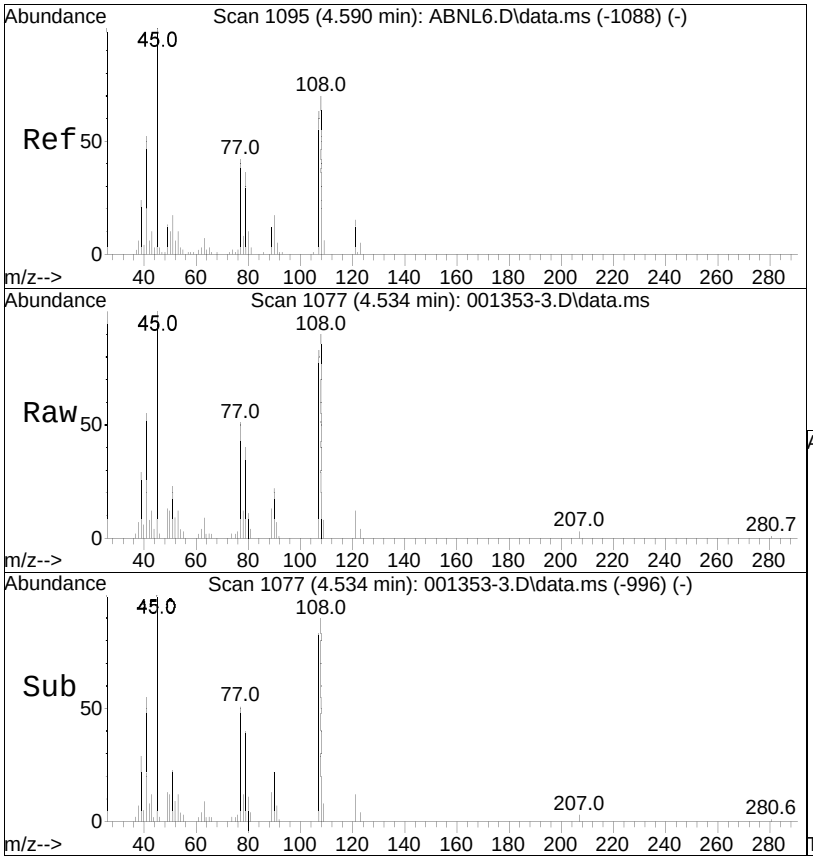


#14
Bis(2-chloroisopropyl)ether
Concen: 1.44 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 45 Resp: 14217

Ion	Ratio	Lower	Upper
45	100		
121	14.3	9.8	14.6
77	36.5	6.1	9.1#

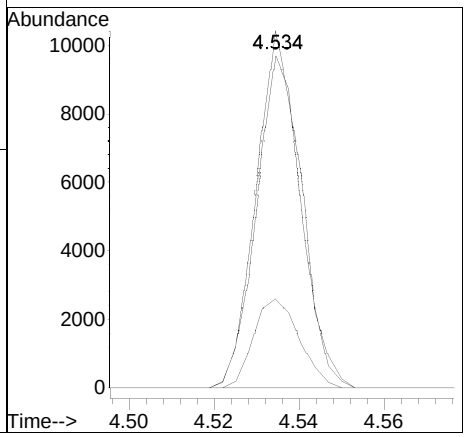


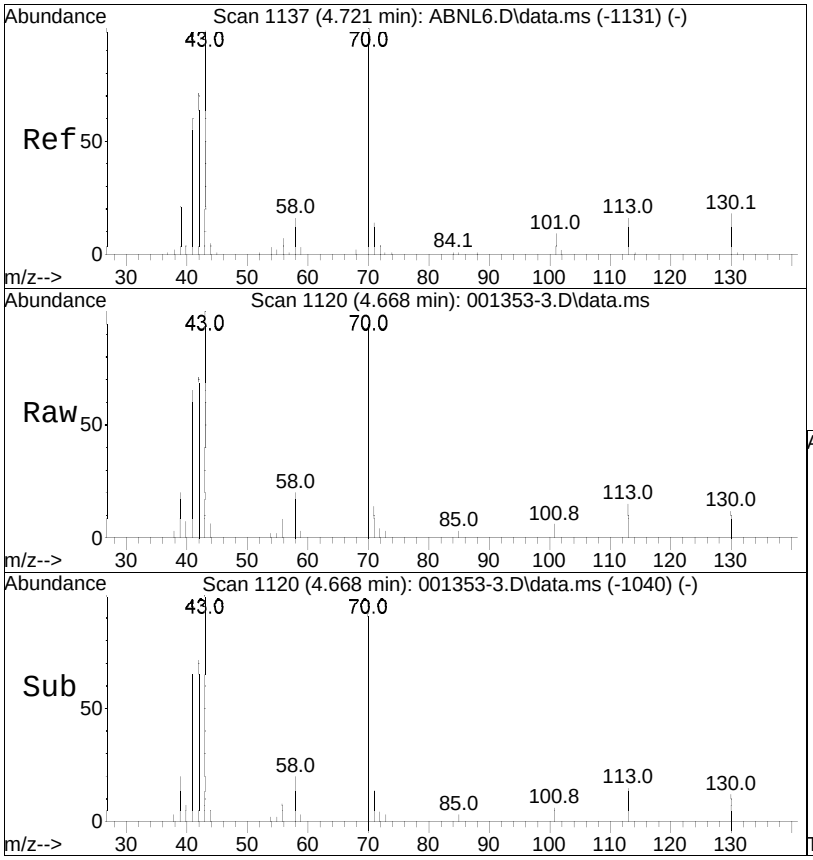


#15
2-Methylphenol
Concen: 1.28 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:108 Resp: 7628

Ion	Ratio	Lower	Upper
108	100		
107	92.7	70.7	106.1
90	25.4	18.7	28.1

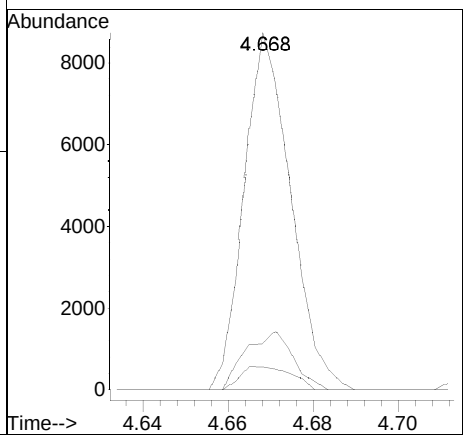


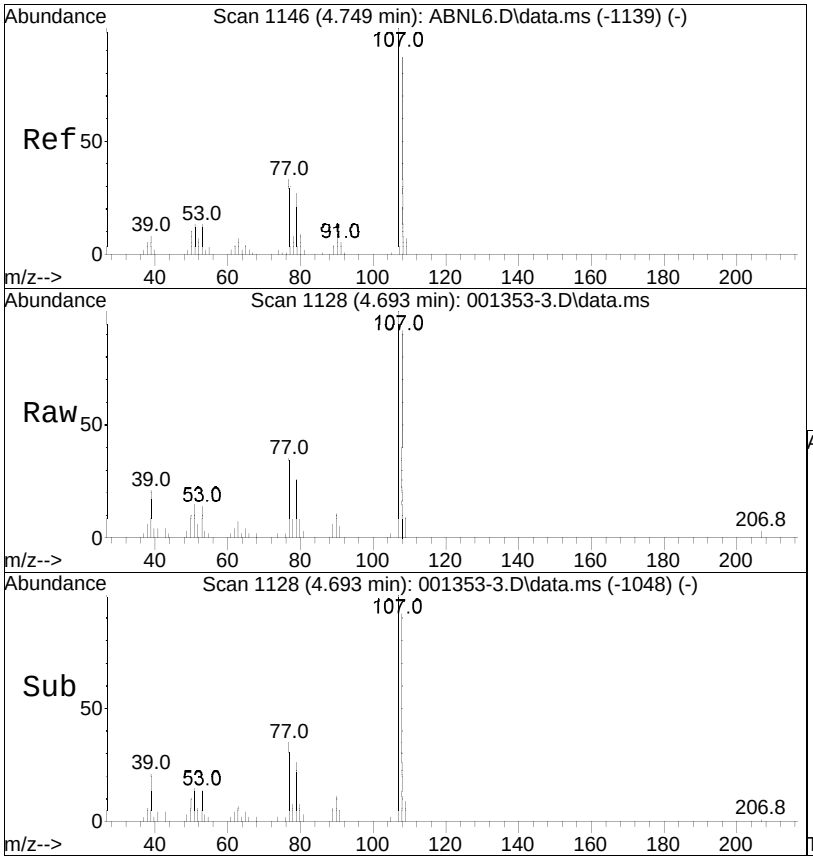


#17
n-Nitrosodi-n-propylamine
Concen: 1.39 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 70 Resp: 6623

Ion	Ratio	Lower	Upper
70	100		
130	16.7	18.2	27.4#
101	0.0	7.8	11.8#

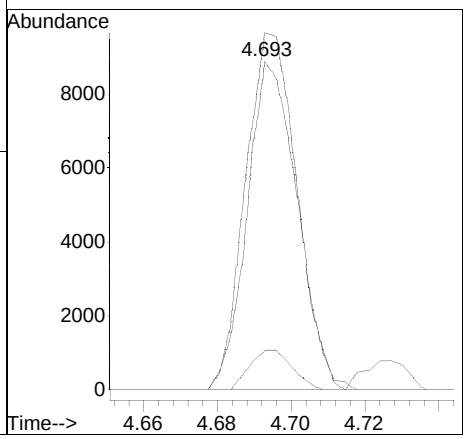


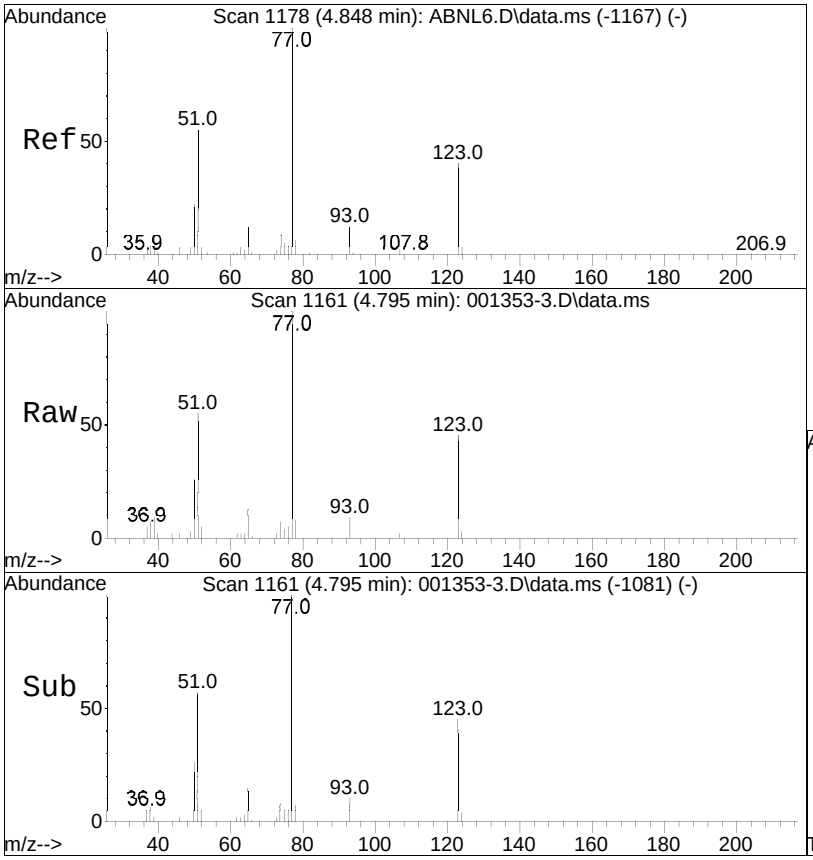


#18
3-Methylphenol/4-Methylphenol
Concen: 1.28 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:108 Resp: 8353

Ion	Ratio	Lower	Upper
108	100		
107	111.3	88.6	132.8
90	10.3	8.8	13.2

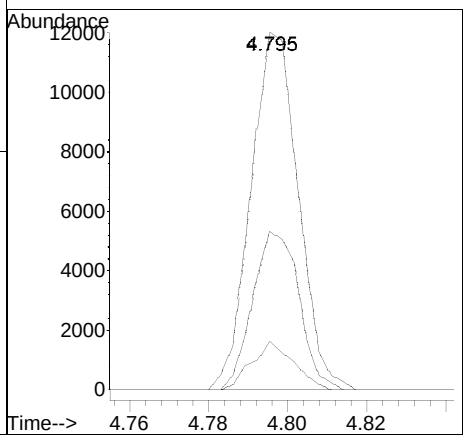


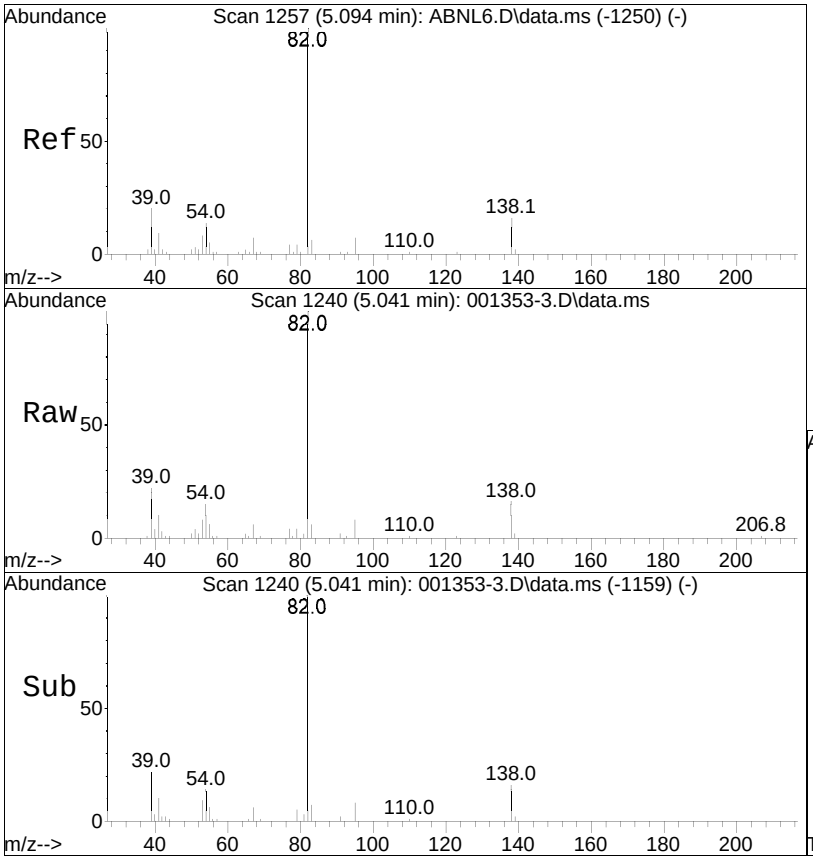


#20
Nitrobenzene
Concen: 1.47 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 77 Resp: 9943

Ion	Ratio	Lower	Upper
77	100		
123	43.3	36.3	54.5
65	12.0	11.6	17.4

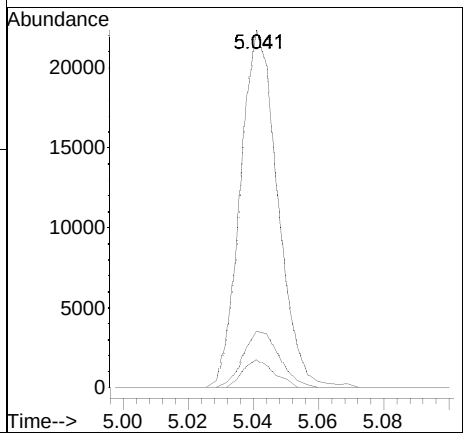


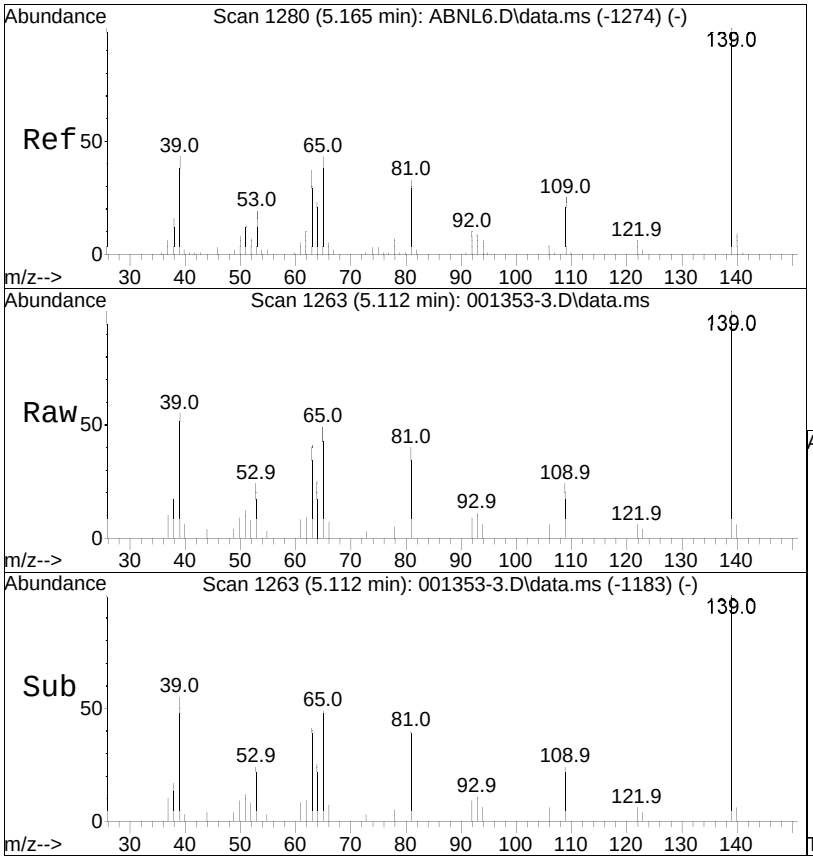


#21
Isophorone
Concen: 1.42 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 82 Resp: 17616

Ion	Ratio	Lower	Upper
82	100		
138	15.3	14.7	22.1
95	6.5	5.2	7.8

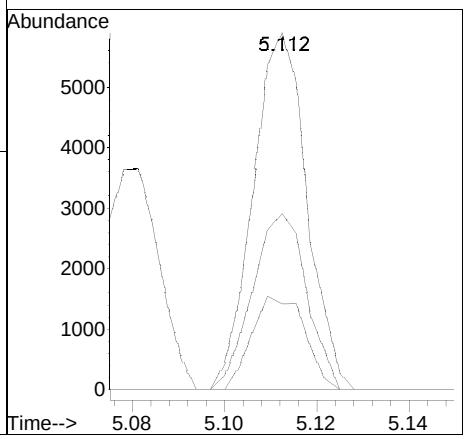


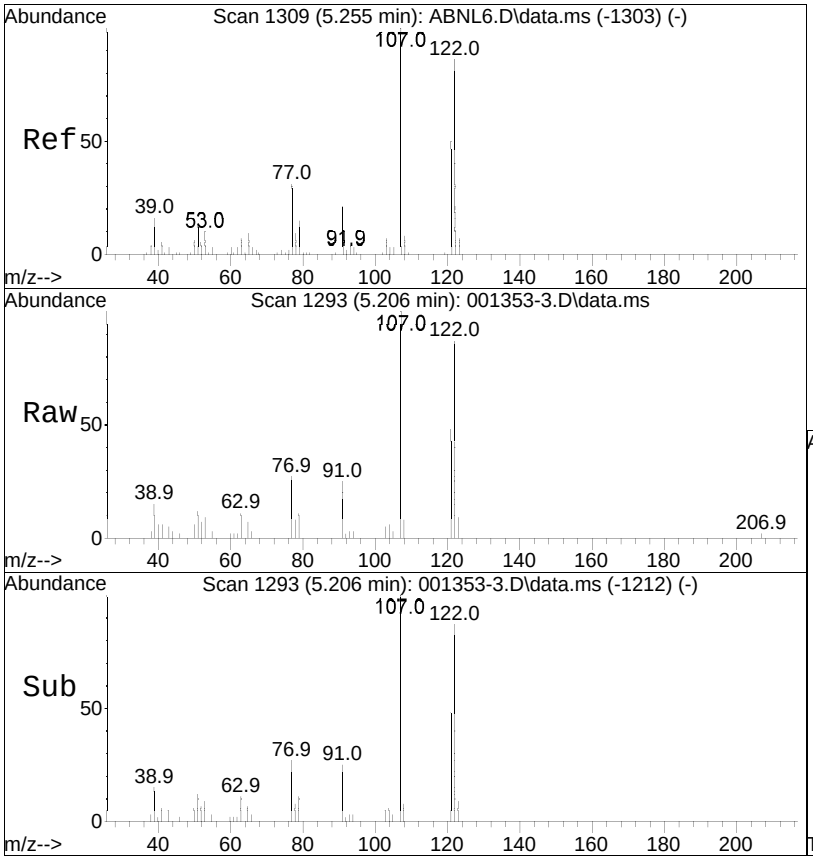


#22
2-Nitrophenol
Concen: 1.39 ug/ml
RT: 5.112 min Scan# 1263
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:139 Resp: 4758

Ion	Ratio	Lower	Upper
139	100		
109	25.8	19.4	29.0
65	49.9	46.1	69.1

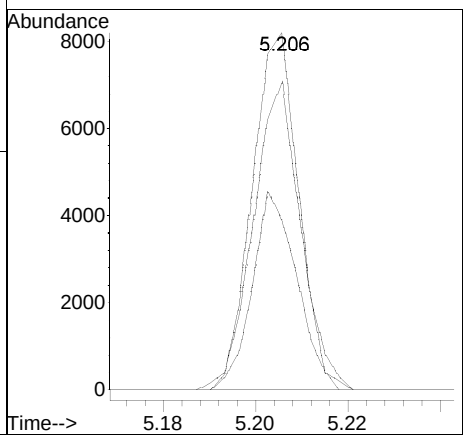


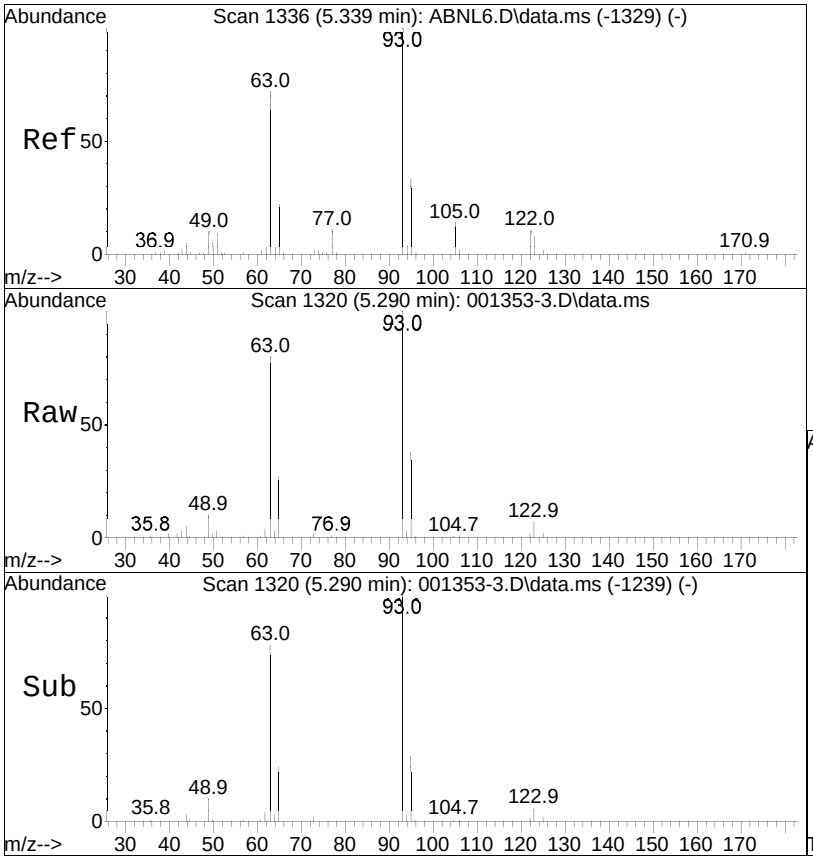


#23
2,4-Dimethylphenol
Concen: 0.96 ug/ml
RT: 5.206 min Scan# 1293
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:107 Resp: 5820

Ion	Ratio	Lower	Upper
107	100		
121	52.2	40.0	60.0
122	85.0	70.2	105.4

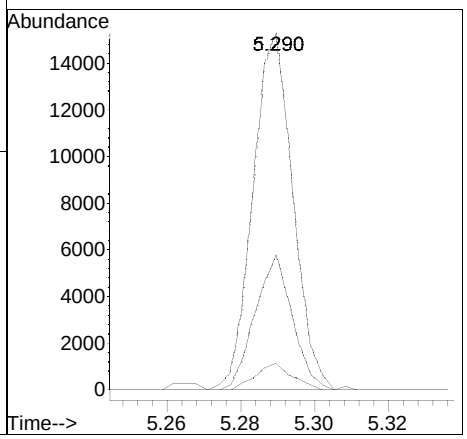


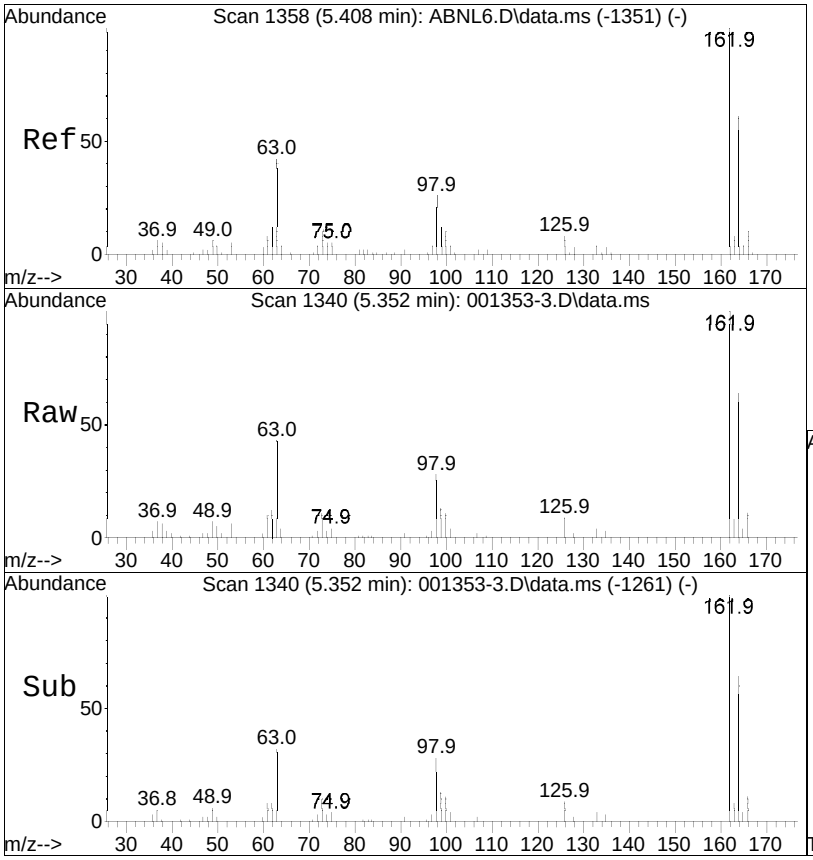


#24
Bis(2-chloroethoxy)methane
Concen: 1.47 ug/ml
RT: 5.290 min Scan# 1320
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 93 Resp: 11381

Ion	Ratio	Lower	Upper
93	100		
95	35.4	25.8	38.8
123	6.8	10.1	15.1#

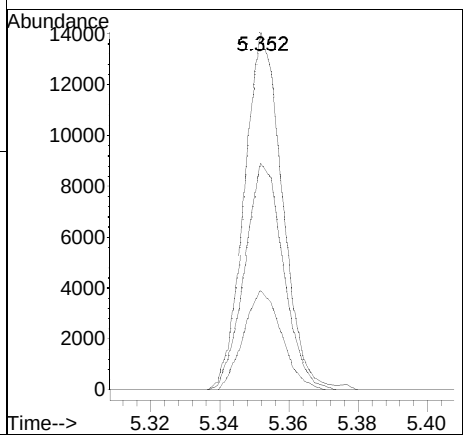


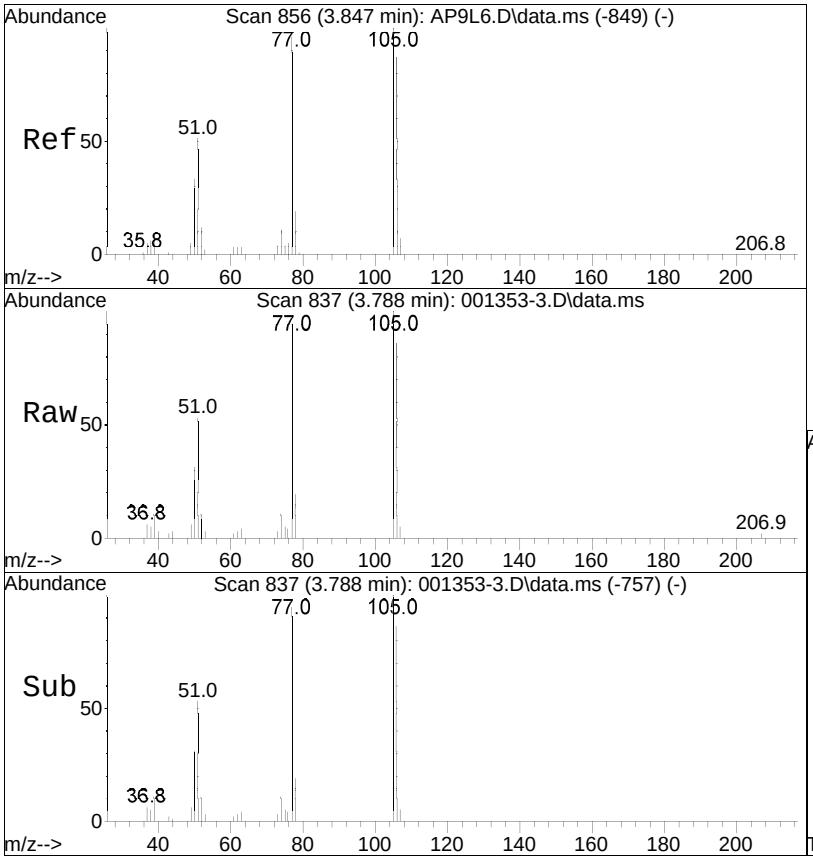


#25
2,4-Dichlorophenol
Concen: 1.51 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:162 Resp: 10675

Ion	Ratio	Lower	Upper
162	100		
164	64.6	51.0	76.4
98	28.0	32.2	48.2#

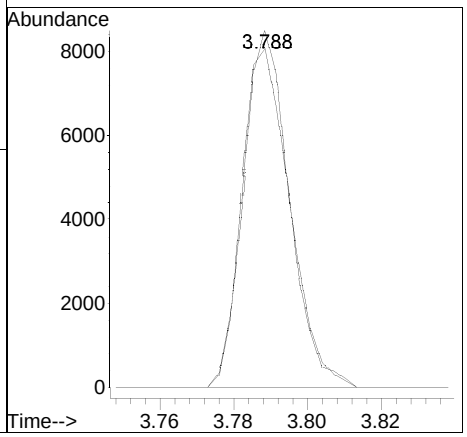


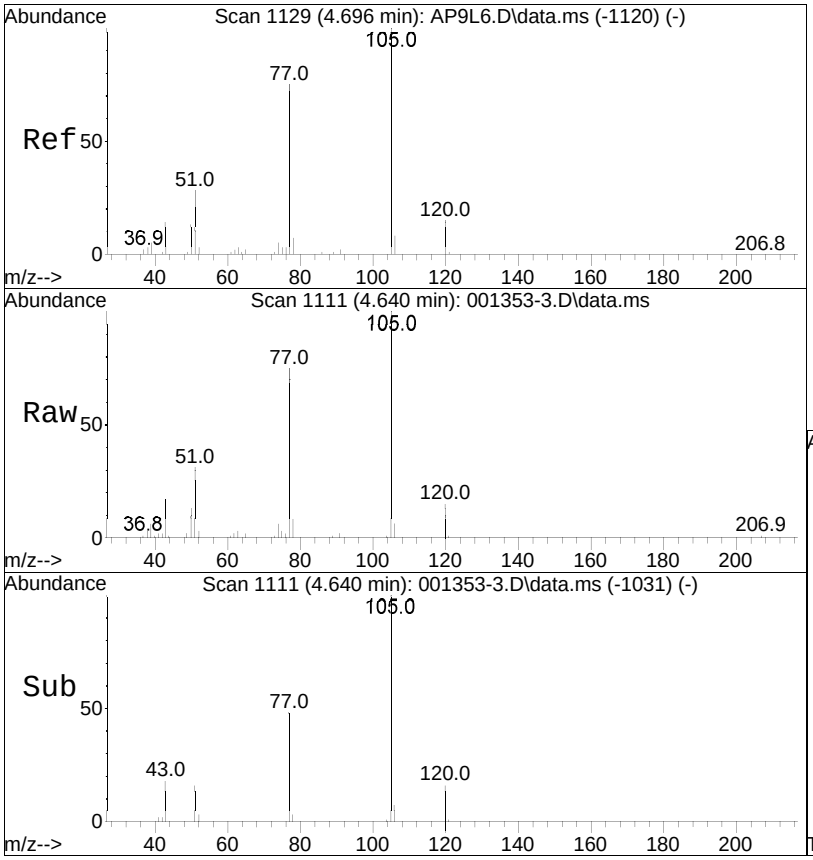


#28
Benzaldehyde
Concen: 1.91 ug/ml
RT: 3.788 min Scan# 837
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:105 Resp: 7404

Ion	Ratio	Lower	Upper
105	100		
77	97.5	82.2	123.4

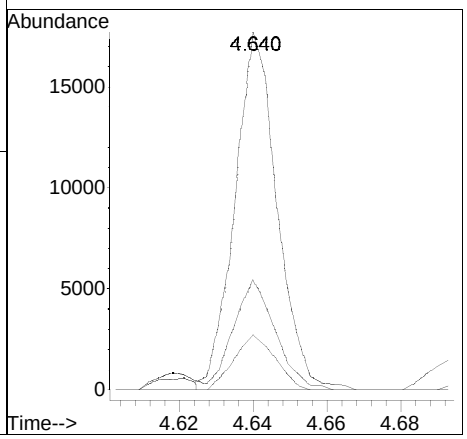


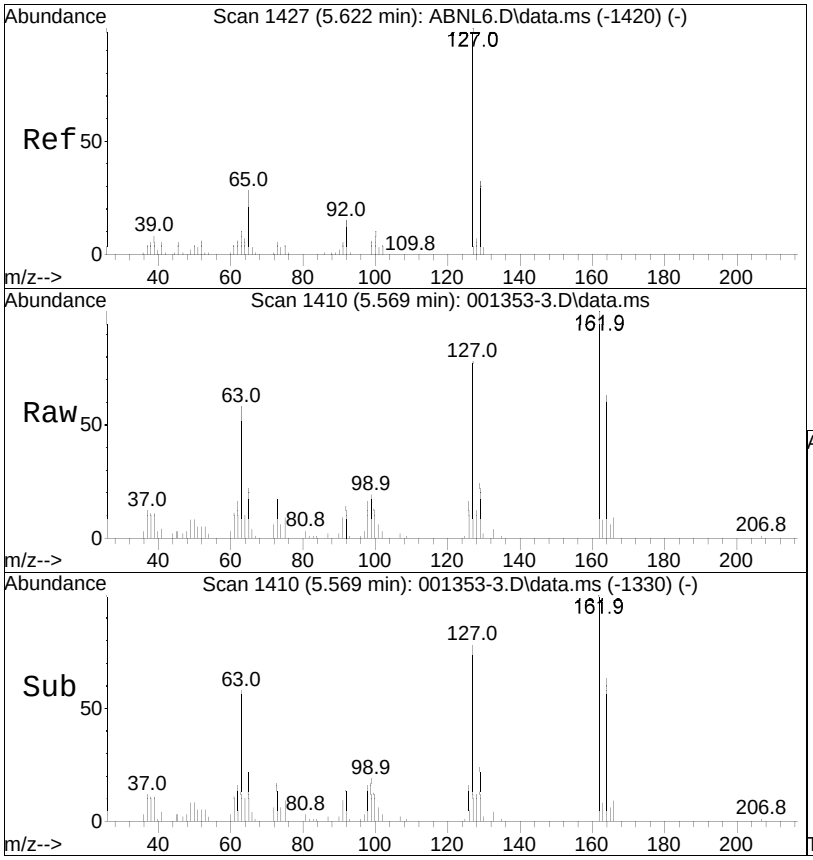


#29
Acetophenone
Concen: 1.80 ug/ml
RT: 4.640 min Scan# 1111
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:105 Resp: 13908

Ion	Ratio	Lower	Upper
105	100		
120	15.0	20.5	30.7#
51	30.6	34.9	52.3#

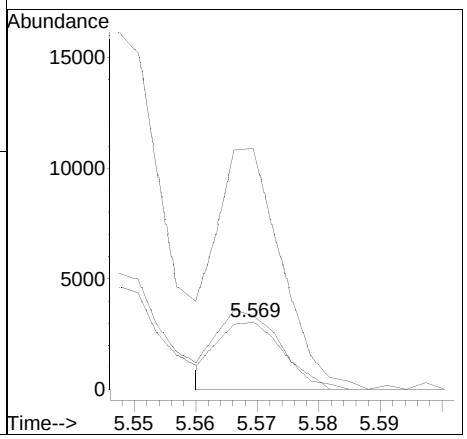


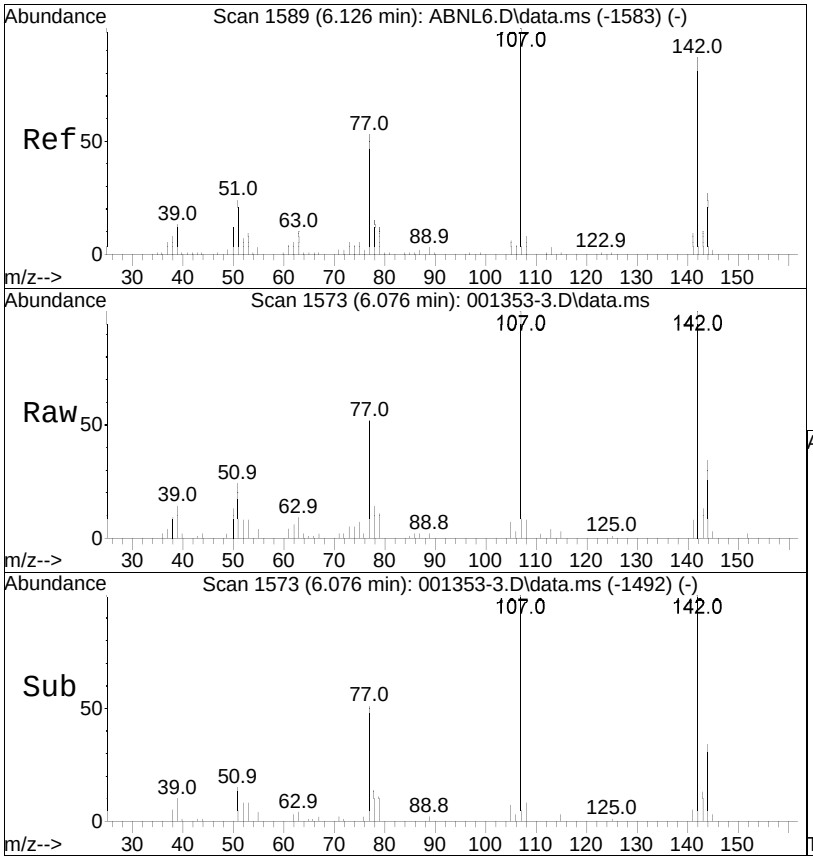


#40
4-Chloroaniline
Concen: 0.86 ug/ml
RT: 5.569 min Scan# 1410
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 65 Resp: 2289

Ion	Ratio	Lower	Upper
65	100		
127	347.0	237.6	356.4
129	113.5	76.3	114.5

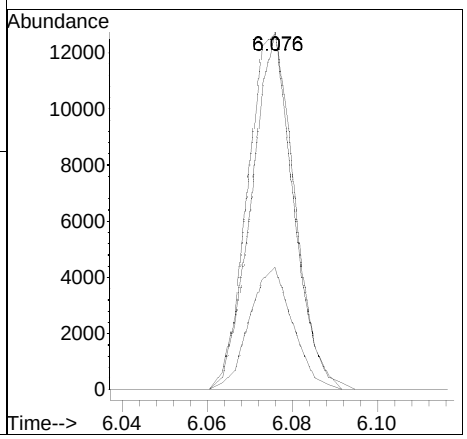


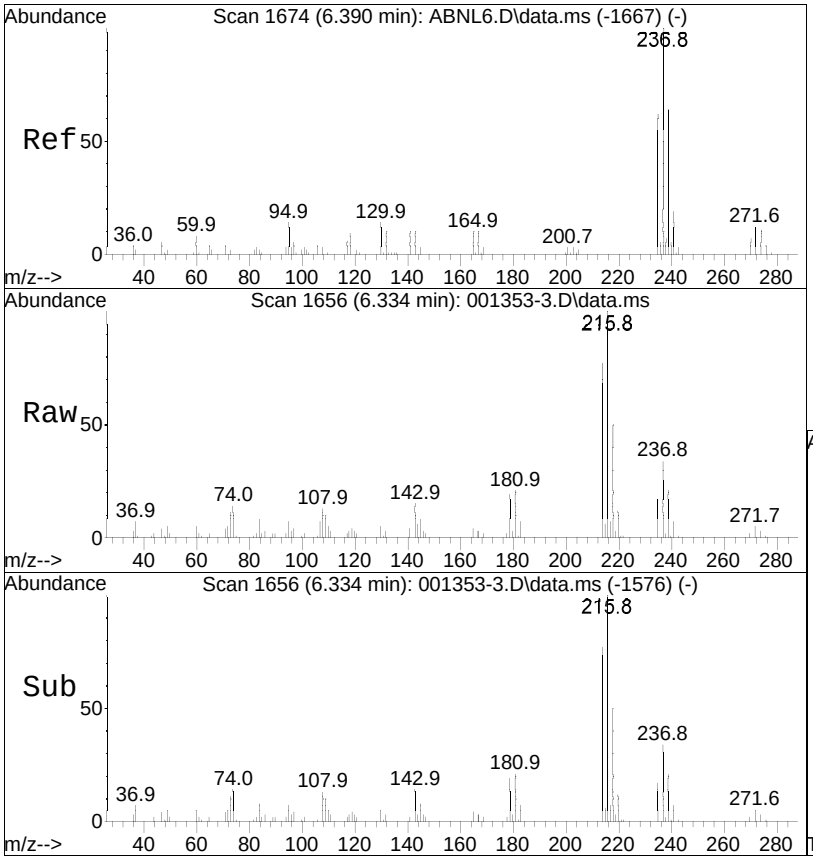


#42
p-Chloro-m-cresol
Concen: 1.51 ug/ml
RT: 6.076 min Scan# 1573
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:107 Resp: 9573

Ion	Ratio	Lower	Upper
107	100		
144	32.1	20.9	31.3#
142	90.1	66.1	99.1

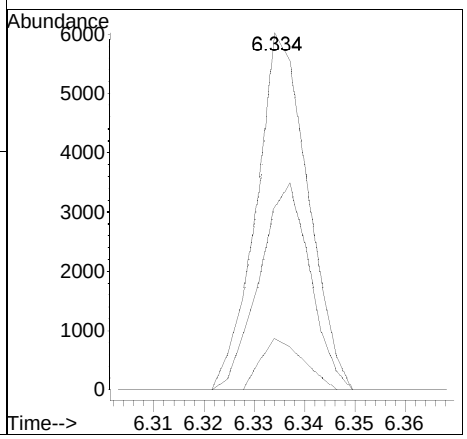


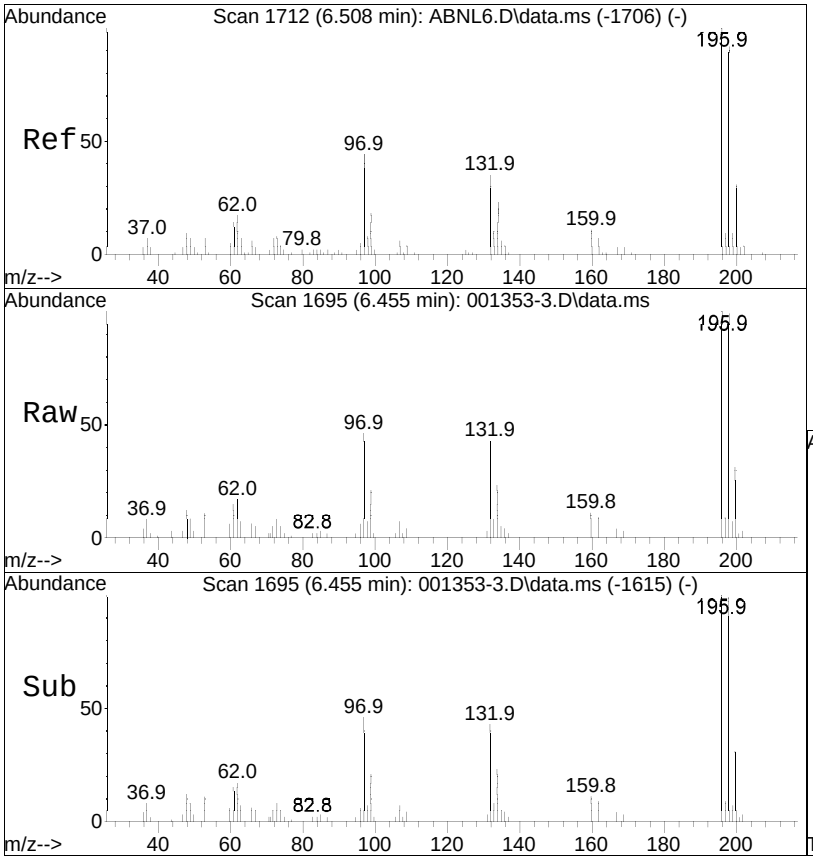


#45
Hexachlorocyclopentadiene
Concen: 0.72 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:237 Resp: 4277

Ion	Ratio	Lower	Upper
237	100		
235	57.2	49.7	74.5
272	11.9	9.8	14.6

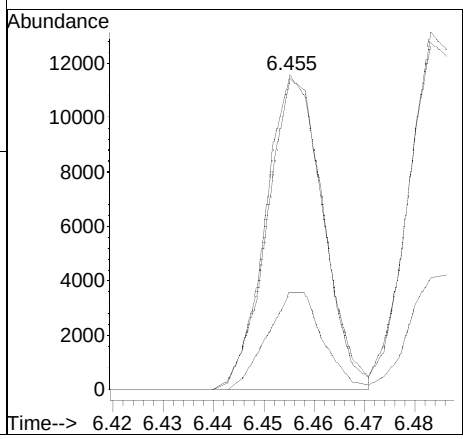


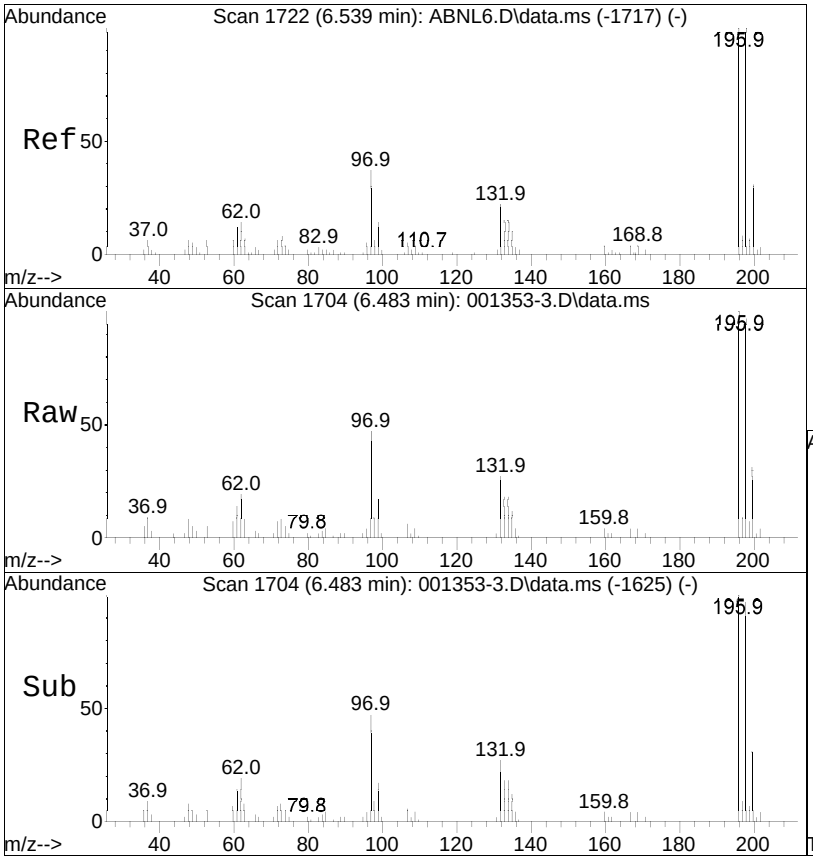


#46
2,4,6-Trichlorophenol
Concen: 1.45 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:196 Resp: 9093

Ion	Ratio	Lower	Upper
196	100		
198	98.1	77.5	116.3
200	30.3	23.8	35.6

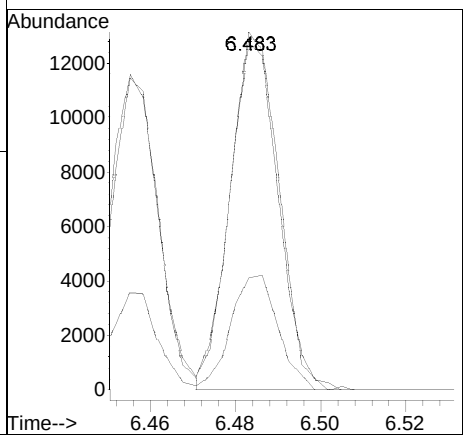


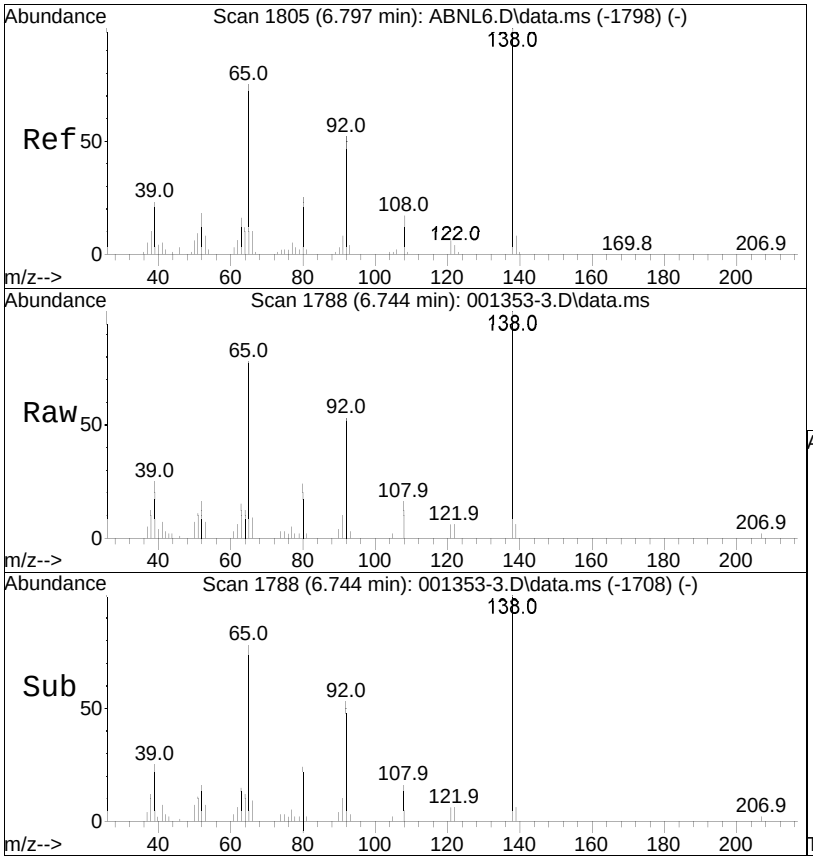


#47
2,4,5-Trichlorophenol
Concen: 1.48 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:196 Resp: 10389

Ion	Ratio	Lower	Upper
196	100		
200	31.2	25.4	38.0
198	96.8	78.0	117.0

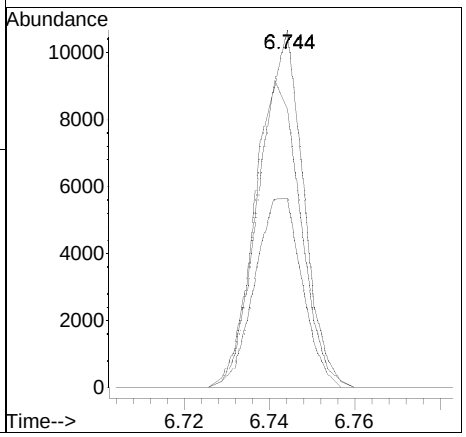


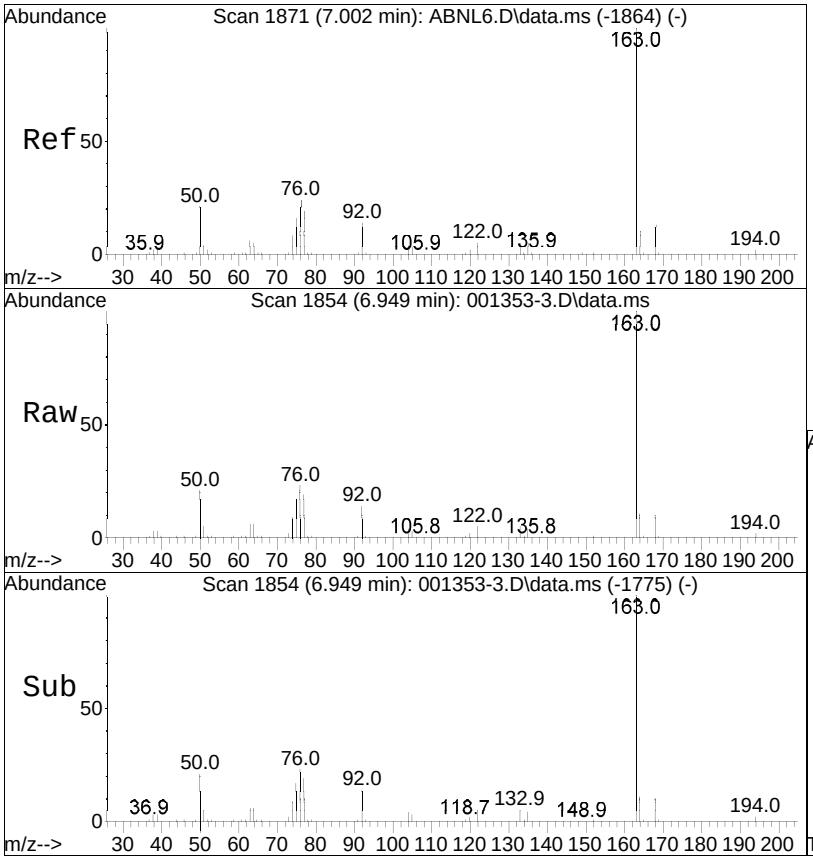


#50
2-Nitroaniline
Concen: 1.63 ug/ml
RT: 6.744 min Scan# 1788
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:138 Resp: 7818

Ion	Ratio	Lower	Upper
138	100		
92	55.7	53.5	80.3
65	85.1	86.3	129.5#

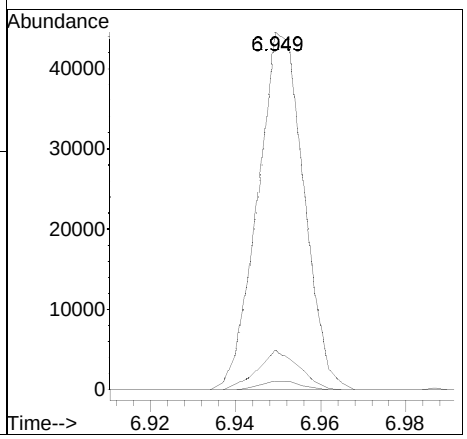


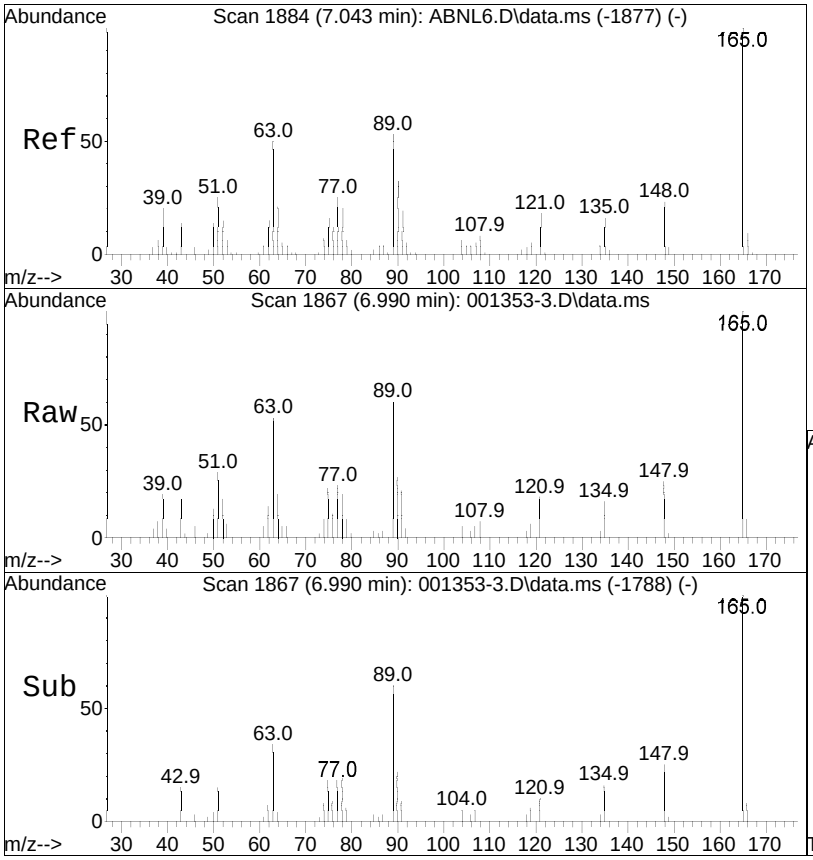


#53
Dimethyl phthalate
Concen: 1.53 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:163 Resp: 33206

Ion	Ratio	Lower	Upper
163	100		
194	2.0	3.5	5.3#
164	10.0	7.9	11.9

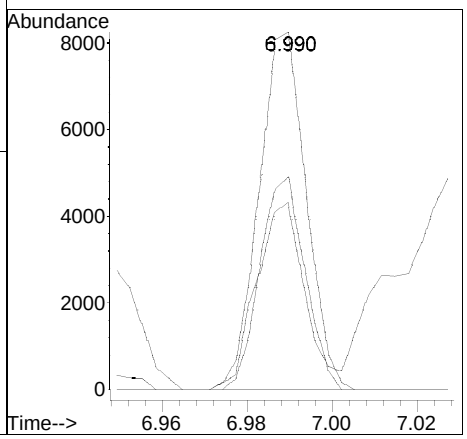


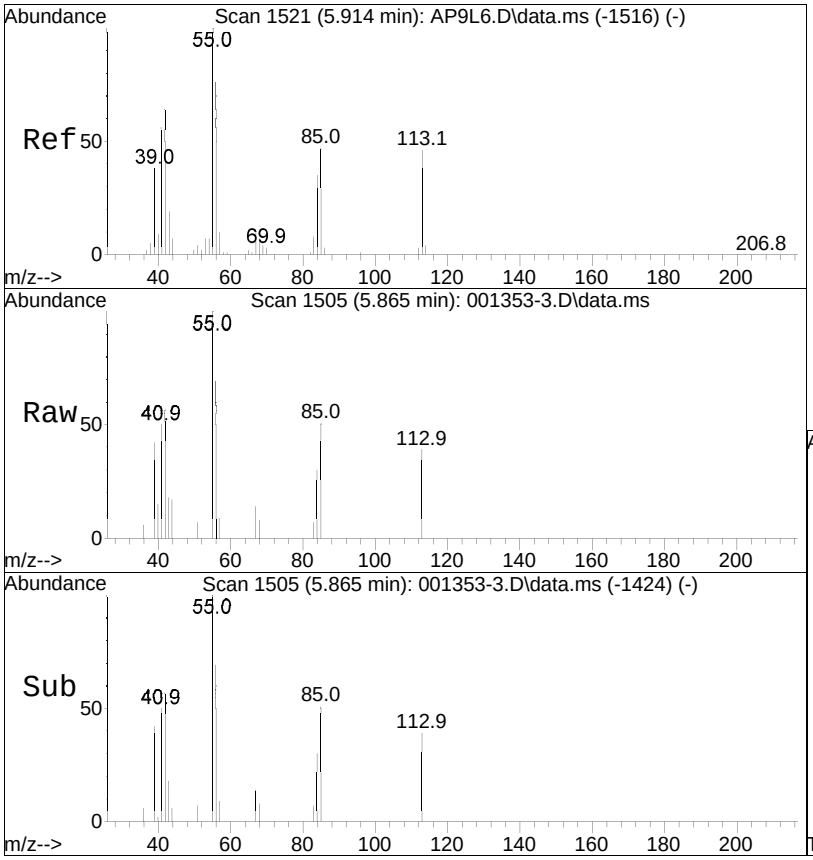


#55
2,6-Dinitrotoluene
Concen: 1.56 ug/ml
RT: 6.990 min Scan# 1867
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:165 Resp: 6335

Ion	Ratio	Lower	Upper
165	100		
89	57.0	54.2	81.2
63	54.3	64.2	96.2#

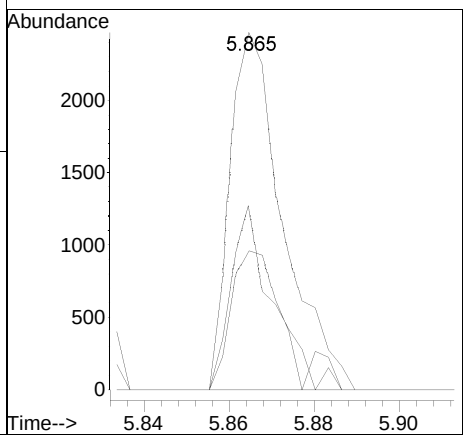


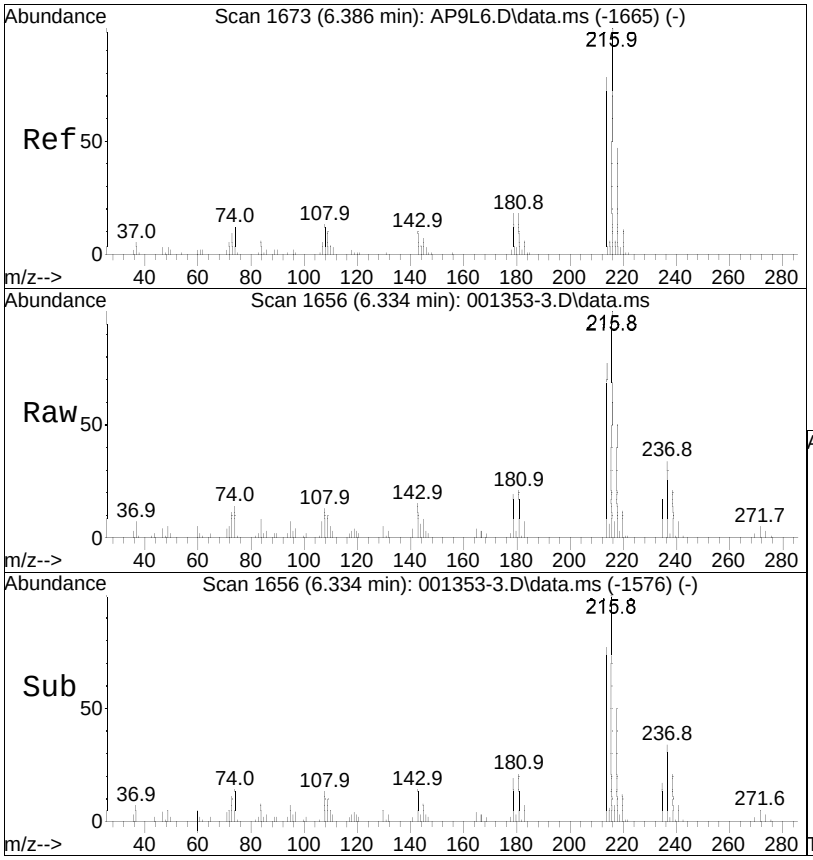


#62
Caprolactam
Concen: 0.79 ug/ml
RT: 5.865 min Scan# 1505
Delta R.T. 0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 55 Resp: 2134

Ion	Ratio	Lower	Upper
55	100		
85	40.9	19.8	29.6#
113	34.4	29.6	44.4

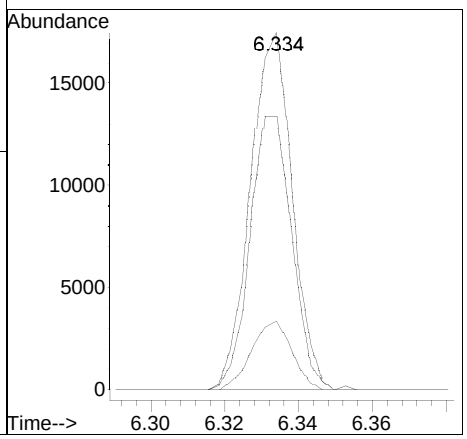


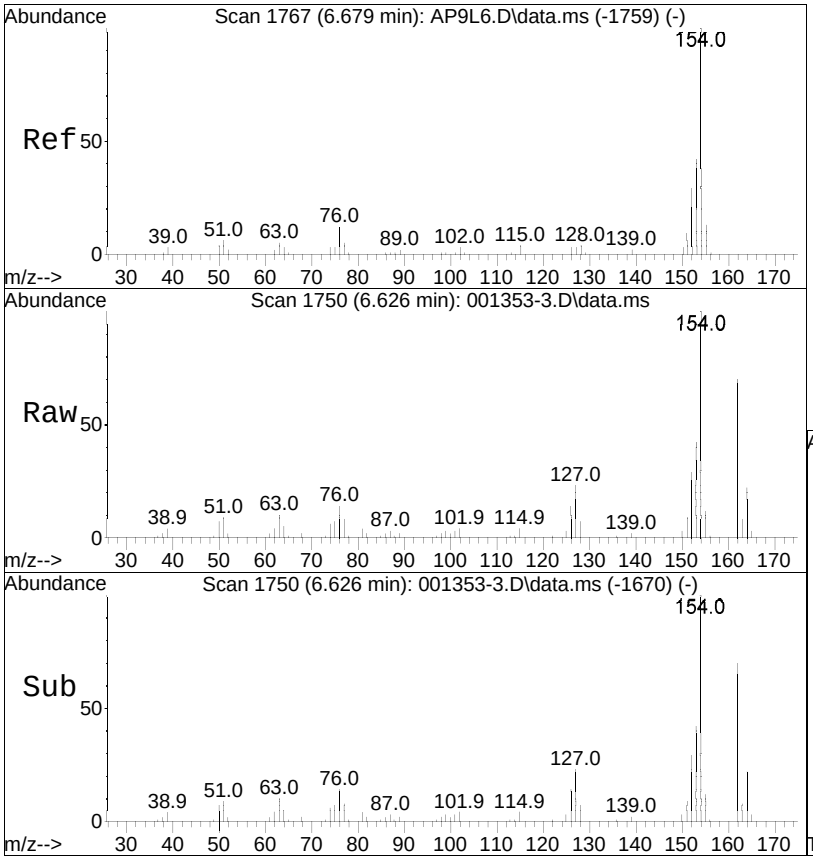


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.52 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:216 Resp: 13764

Ion	Ratio	Lower	Upper
216	100		
214	76.4	63.7	95.5
179	18.5	19.0	28.6#

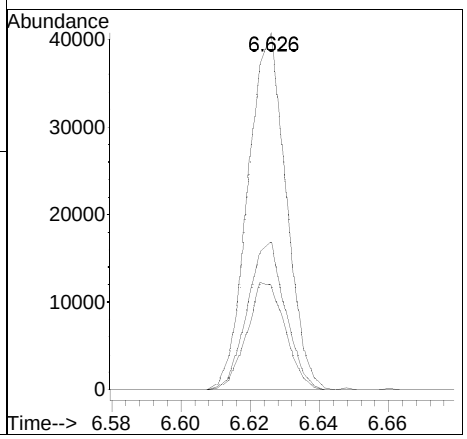


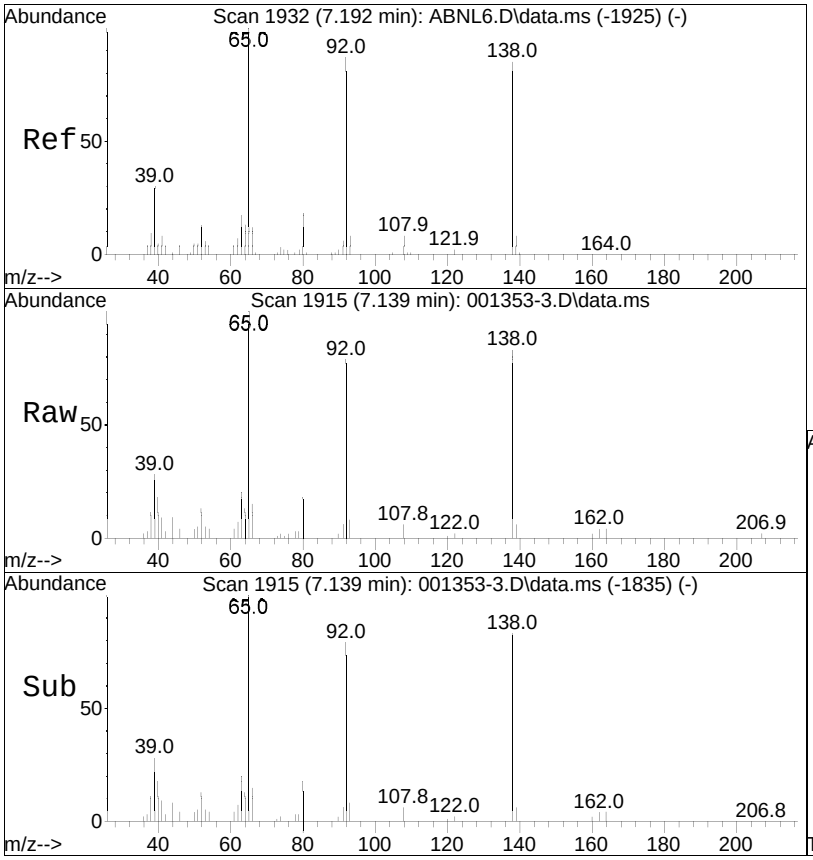


#64
Biphenyl
Concen: 1.69 ug/ml
RT: 6.626 min Scan# 1750
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:154 Resp: 31103

Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.3	48.5
152	30.4	22.5	33.7

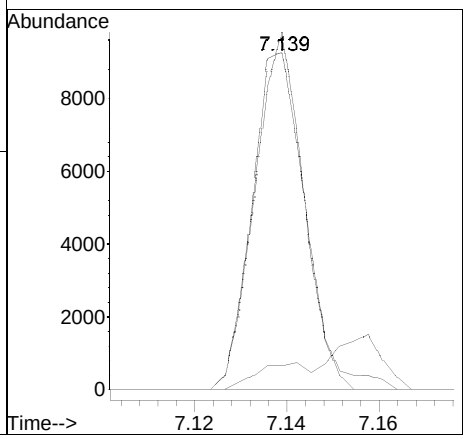


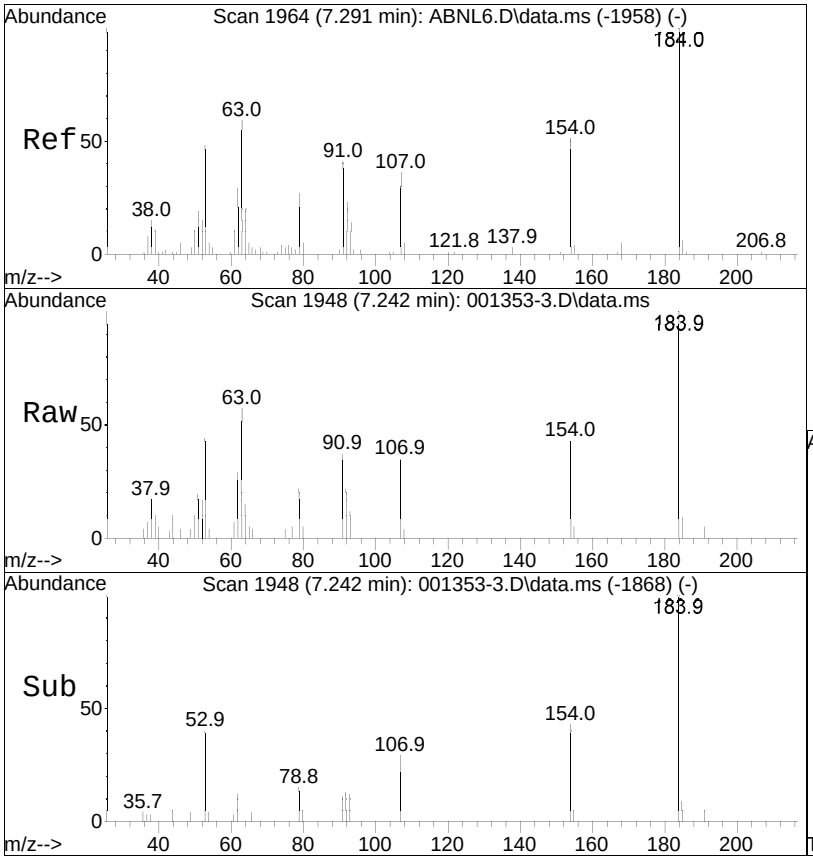


#66
3-Nitroaniline
Concen: 1.55 ug/ml
RT: 7.139 min Scan# 1915
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:138 Resp: 7131

Ion	Ratio	Lower	Upper
138	100		
92	104.3	93.4	140.2
108	8.3	9.5	14.3#

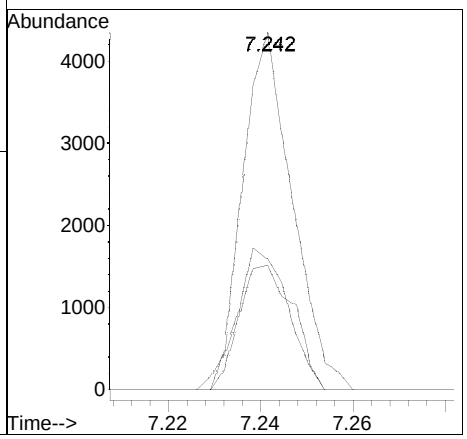


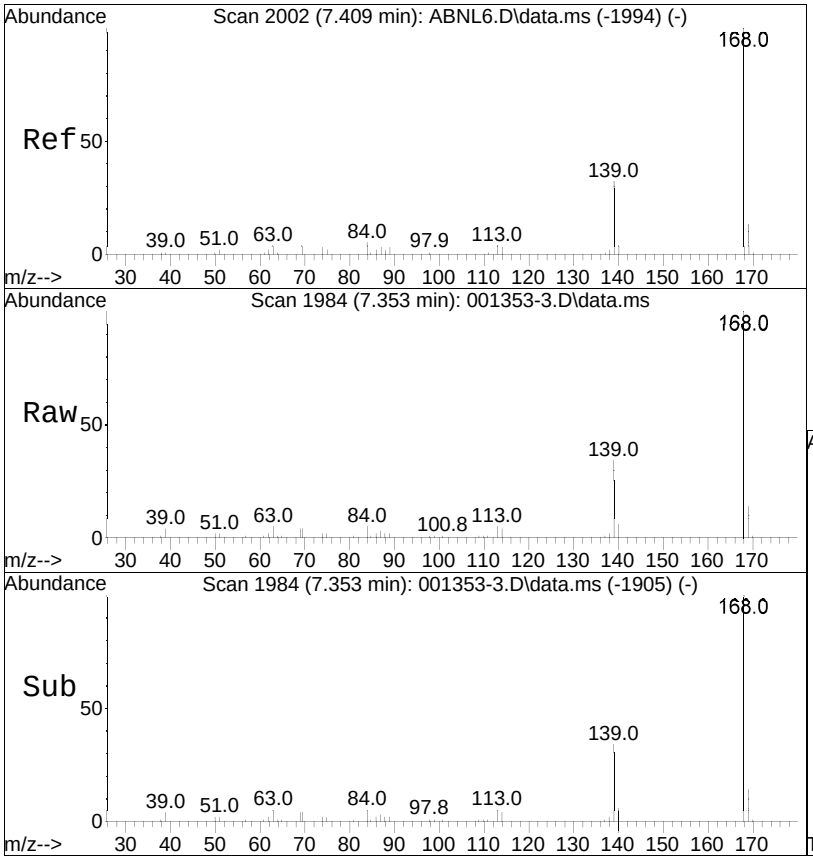


#68
2,4-Dinitrophenol
Concen: 1.15 ug/ml
RT: 7.242 min Scan# 1948
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:184 Resp: 3222

Ion	Ratio	Lower	Upper
184	100		
107	38.1	37.7	56.5
91	40.8	46.3	69.5#

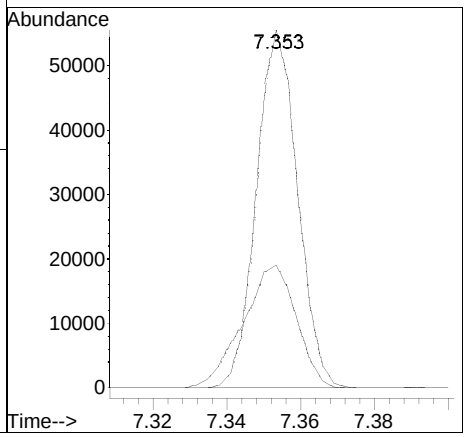


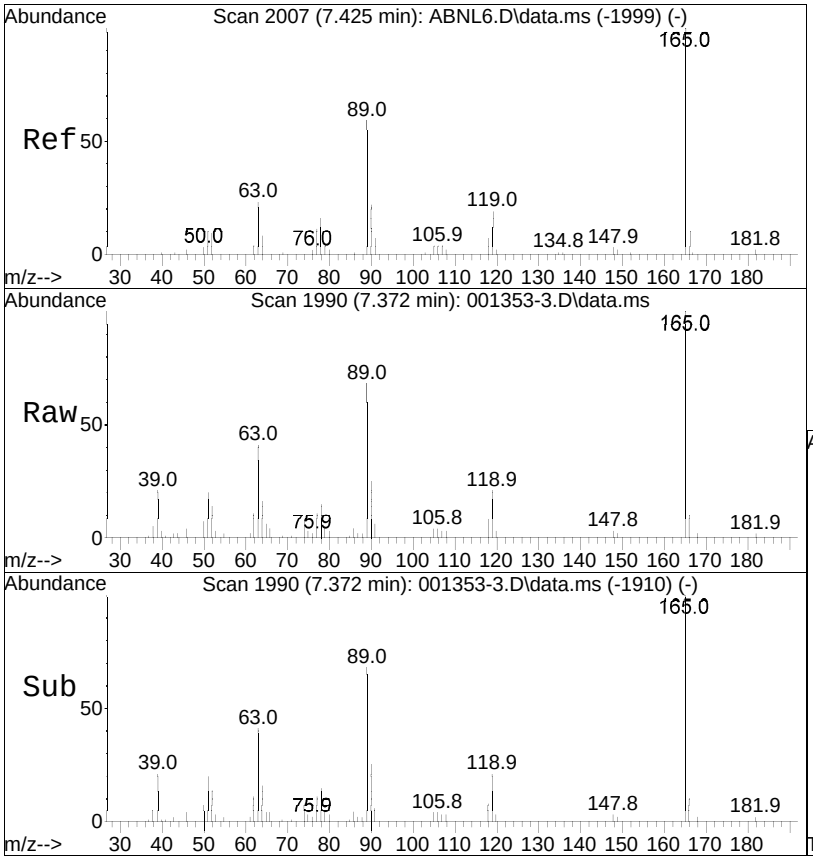


#69
Dibenzofuran
Concen: 1.42 ug/ml
RT: 7.353 min Scan# 1984
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:168 Resp: 42481

Ion	Ratio	Lower	Upper
168	100		
139	44.8	31.4	47.2

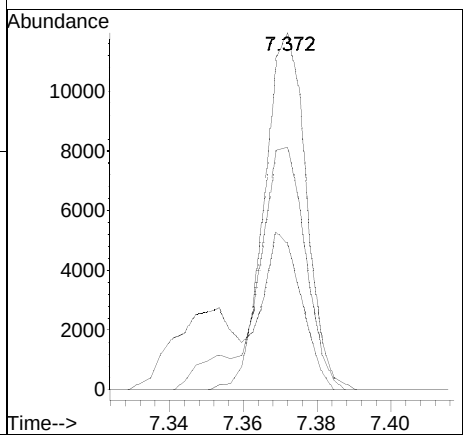


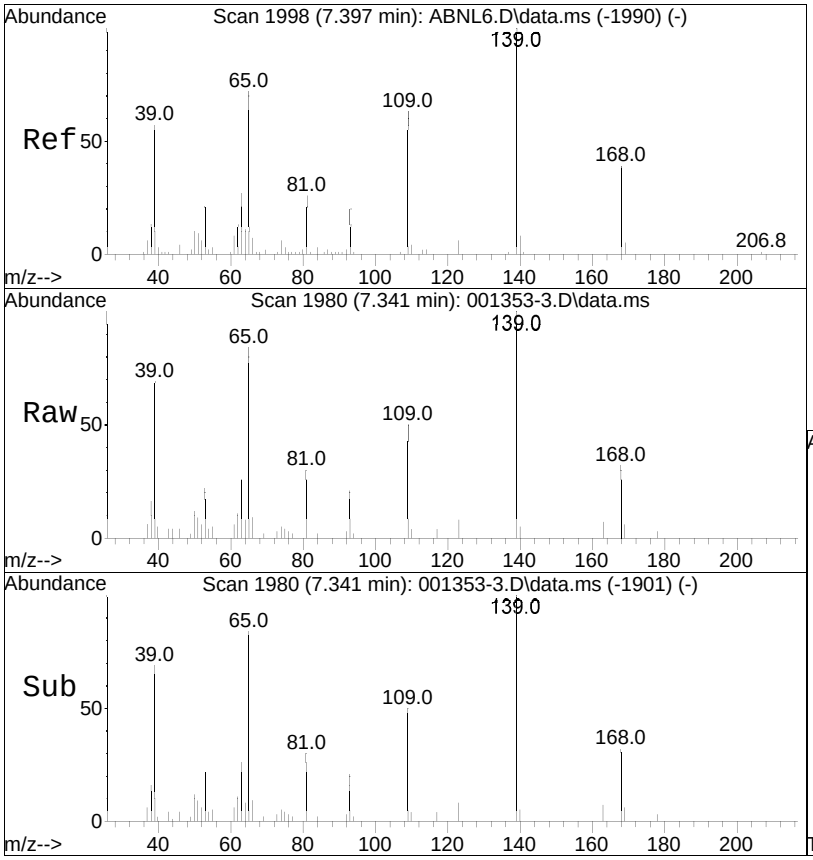


#70
2,4-Dinitrotoluene
Concen: 1.62 ug/ml
RT: 7.372 min Scan# 1990
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:165 Resp: 9350

Ion	Ratio	Lower	Upper
165	100		
89	80.5	72.0	108.0
63	41.9	52.7	79.1#

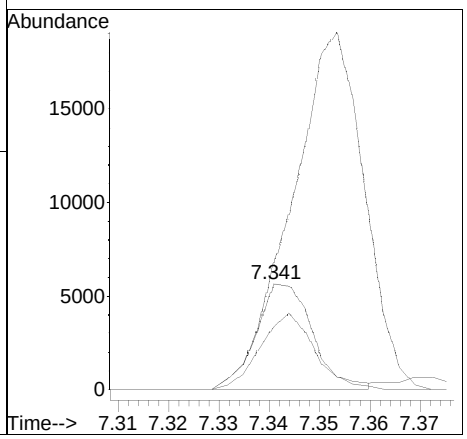


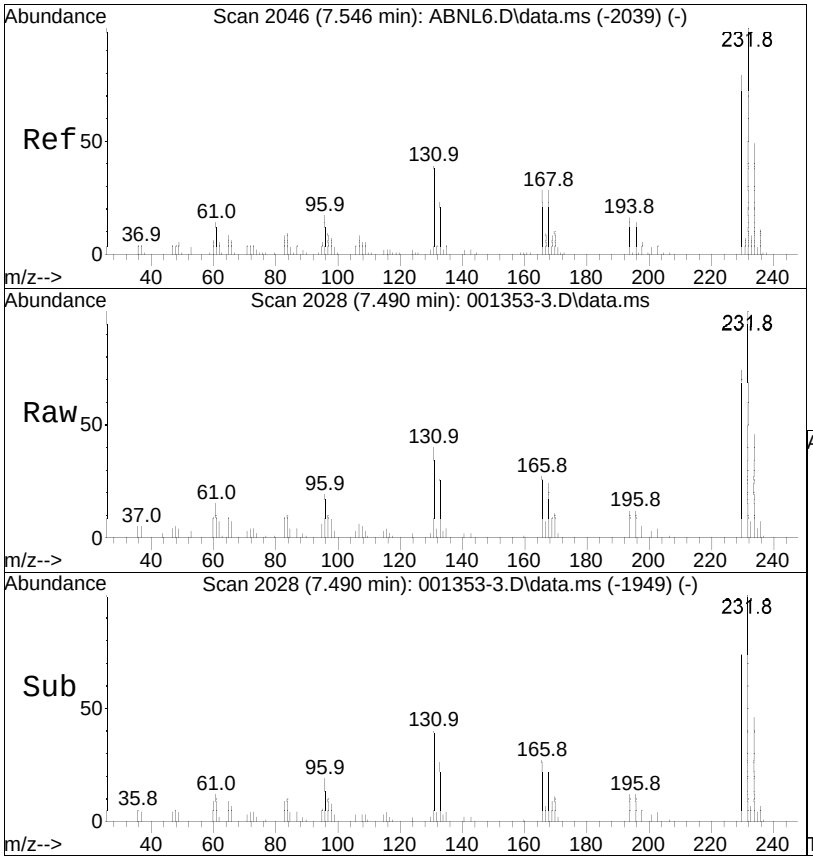


#71
4-Nitrophenol
Concen: 1.29 ug/ml
RT: 7.341 min Scan# 1980
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion: 65 Resp: 4430

Ion	Ratio	Lower	Upper
65	100		
109	68.7	47.4	71.2
139	429.1	76.6	115.0#

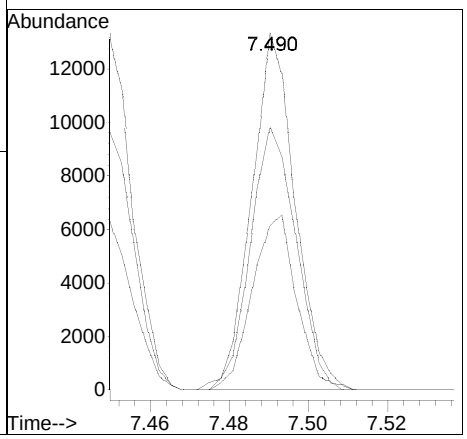


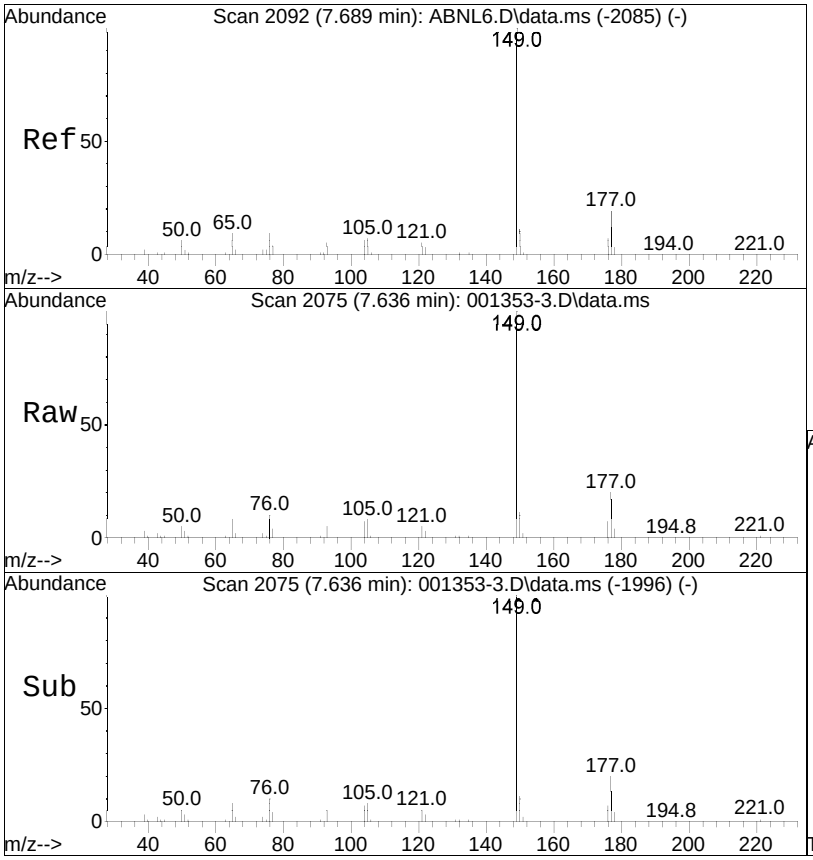


#73
2,3,4,6-Tetrachlorophenol
Concen: 1.61 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:232 Resp: 10245

Ion	Ratio	Lower	Upper
232	100		
230	77.2	61.8	92.8
234	49.6	36.2	54.2

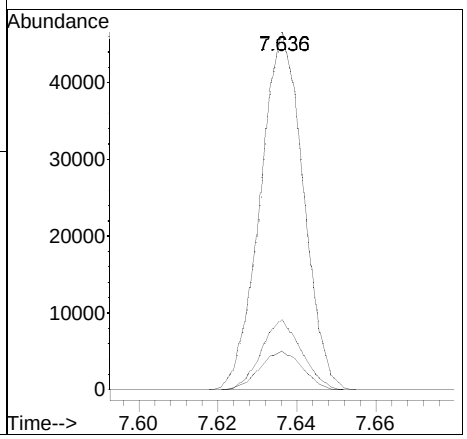


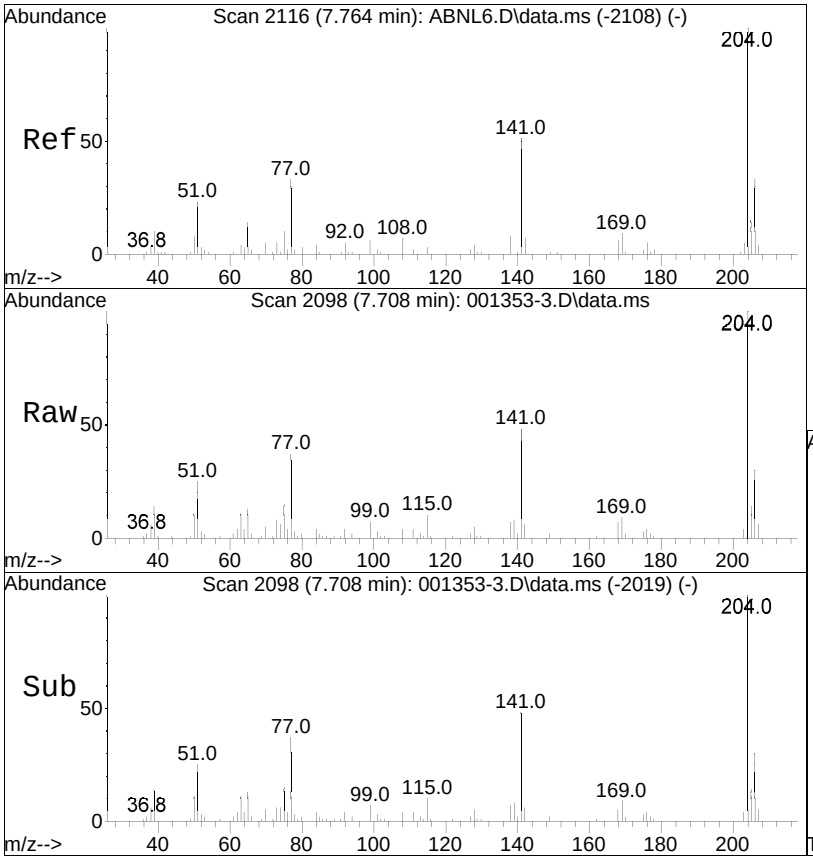


#74
Diethyl phthalate
Concen: 1.49 ug/ml
RT: 7.636 min Scan# 2075
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:149 Resp: 34848

Ion	Ratio	Lower	Upper
149	100		
177	18.5	16.1	24.1
150	10.9	9.4	14.2

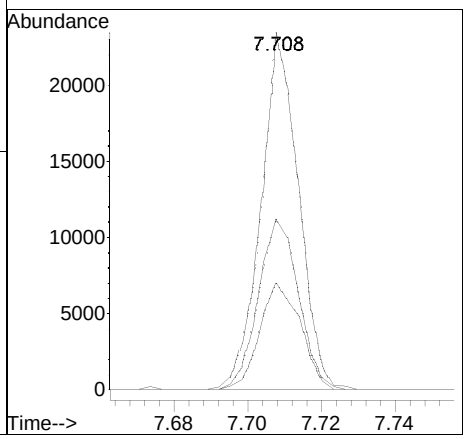


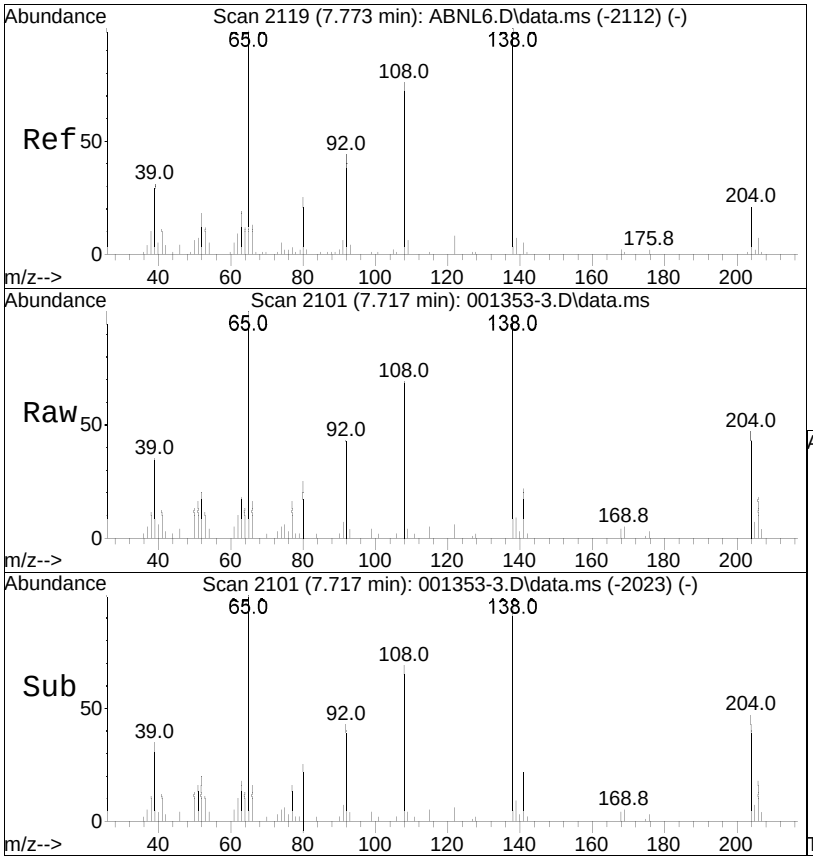


#76
4-Chlorophenyl phenyl ether
Concen: 1.39 ug/ml
RT: 7.708 min Scan# 2098
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:204 Resp: 16425

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	51.3	53.6	80.4#

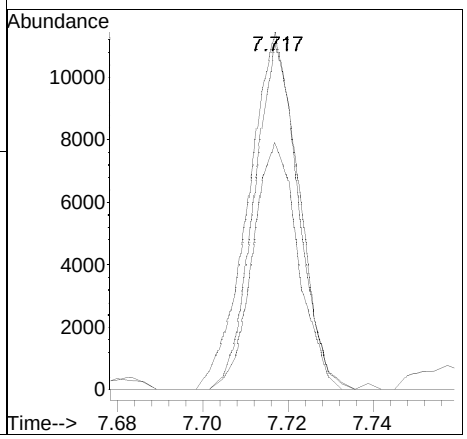


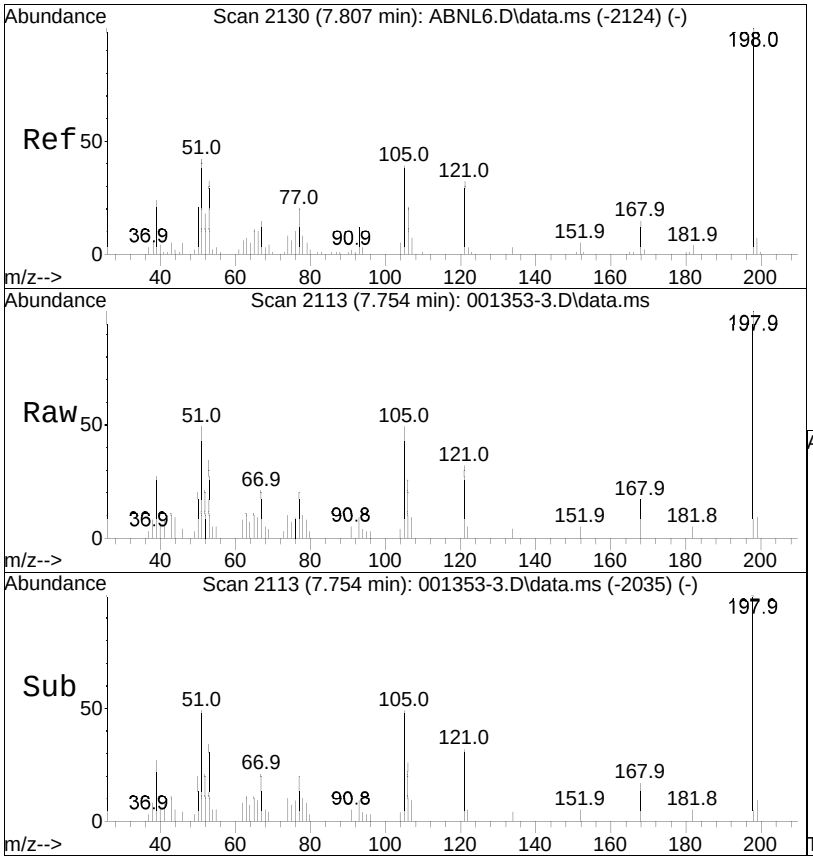


#77
4-Nitroaniline
Concen: 1.81 ug/ml
RT: 7.717 min Scan# 2101
Delta R.T. -0.006 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:138 Resp: 8045

Ion	Ratio	Lower	Upper
138	100		
108	72.7	52.1	78.1
65	116.5	115.0	172.6

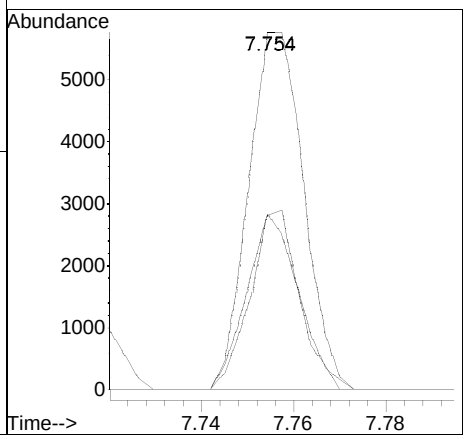


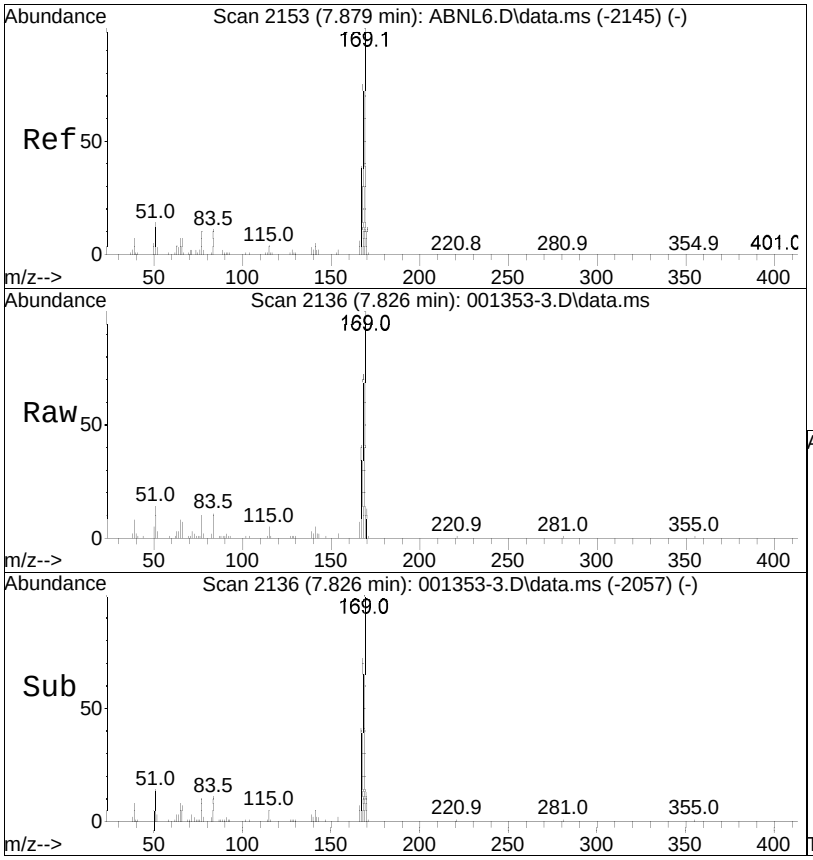


#78
4,6-Dinitro-o-cresol
Concen: 1.37 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.006 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:198 Resp: 4759

Ion	Ratio	Lower	Upper
198	100		
51	48.1	76.0	114.0#
105	43.0	45.6	68.4#

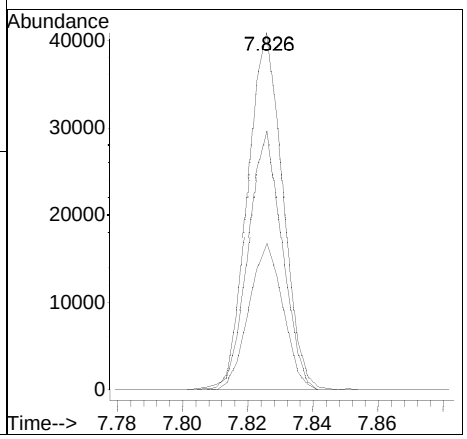


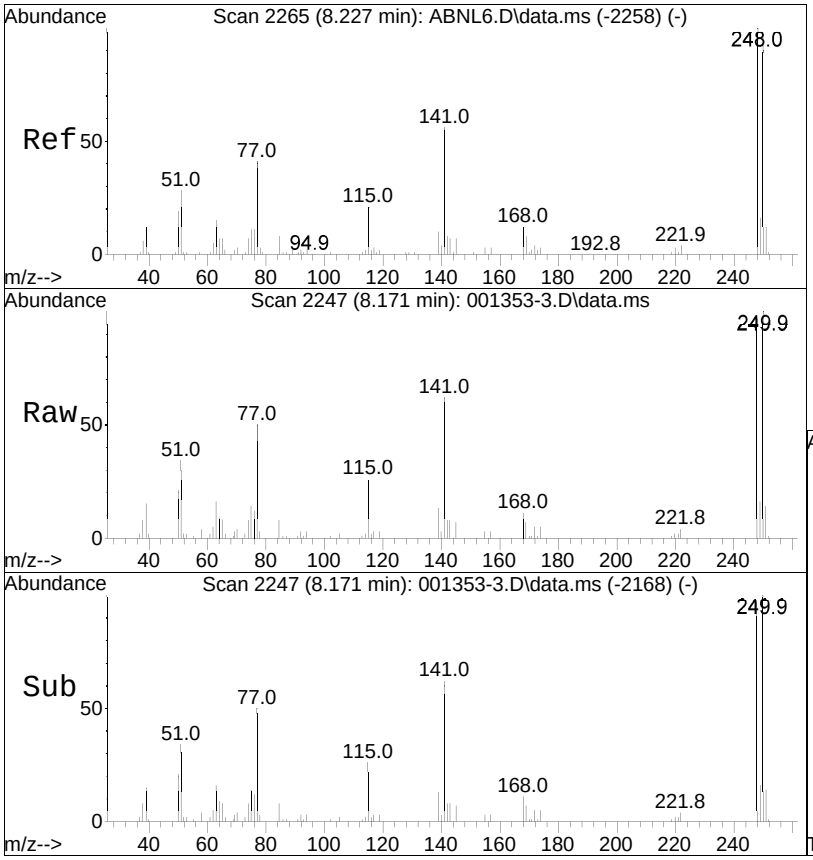


#79
NDPA/DPA
Concen: 1.53 ug/ml
RT: 7.826 min Scan# 2136
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:169 Resp: 30533

Ion	Ratio	Lower	Upper
169	100		
168	70.6	54.0	81.0
167	40.1	28.6	42.8

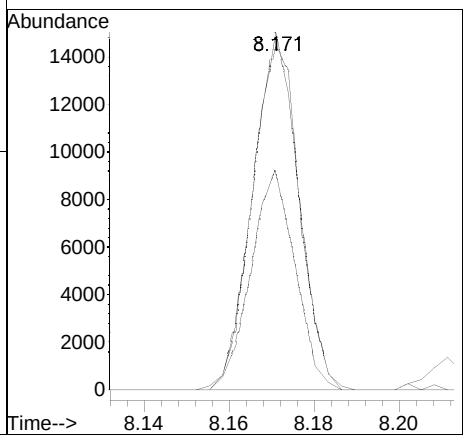


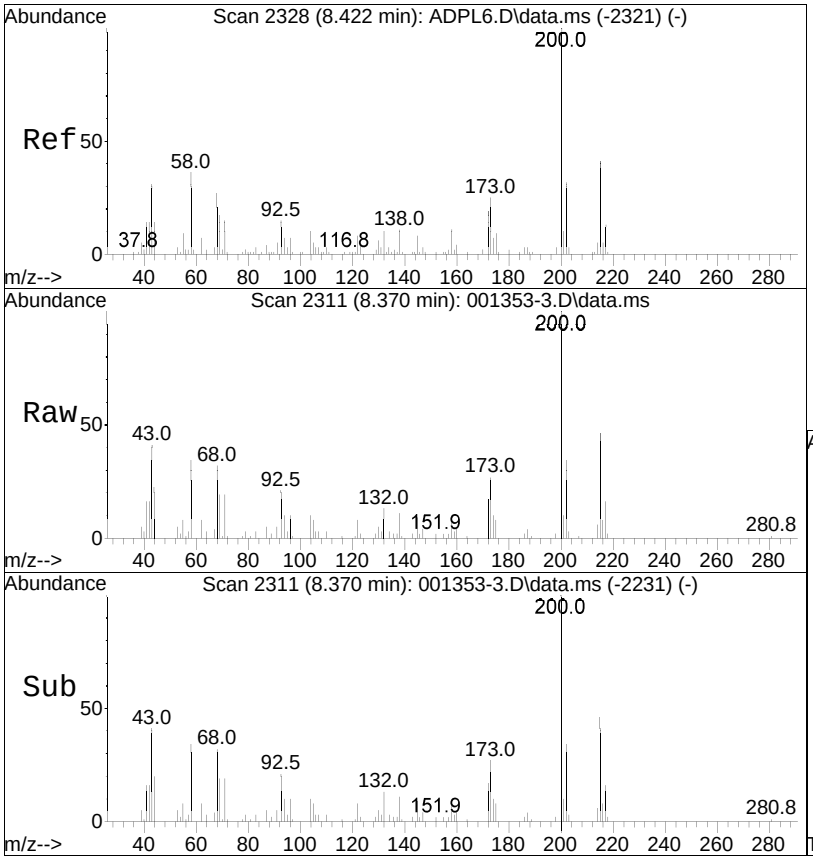


#82
4-Bromophenyl phenyl ether
Concen: 1.44 ug/ml
RT: 8.171 min Scan# 2247
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:248 Resp: 11171

Ion	Ratio	Lower	Upper
248	100		
141	59.4	76.6	114.8#
250	100.1	77.3	115.9

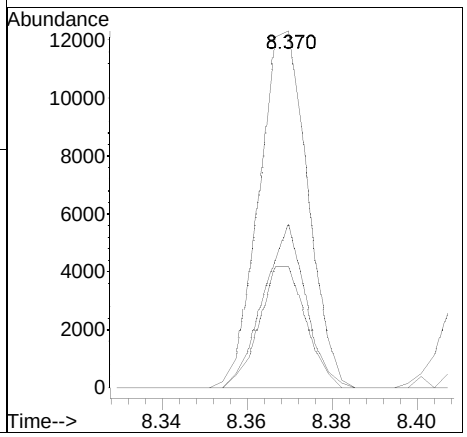


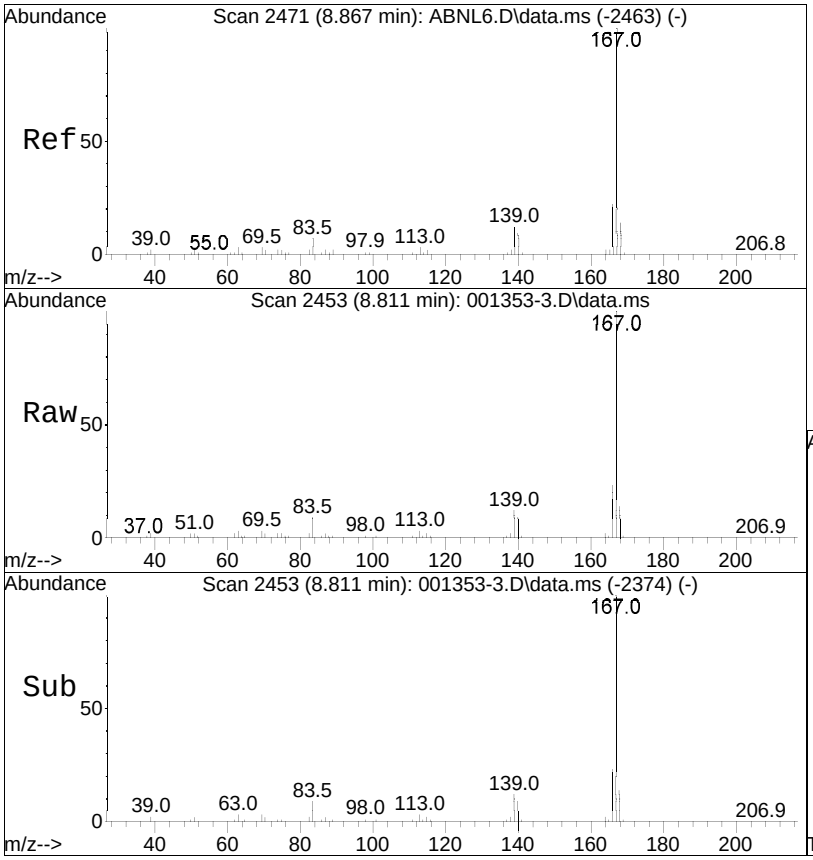


#89
Atrazine
Concen: 1.90 ug/ml
RT: 8.370 min Scan# 2311
Delta R.T. -0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:200 Resp: 9717

Ion	Ratio	Lower	Upper
200	100		
202	32.7	25.8	38.6
215	40.2	40.2	60.4#

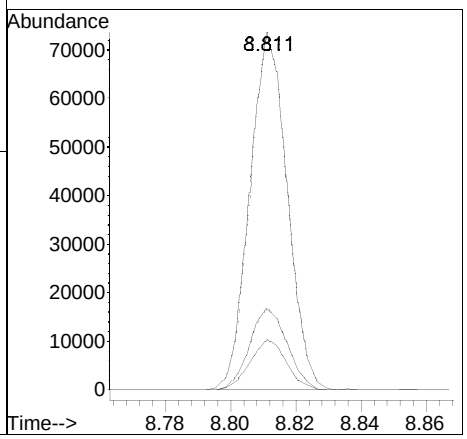


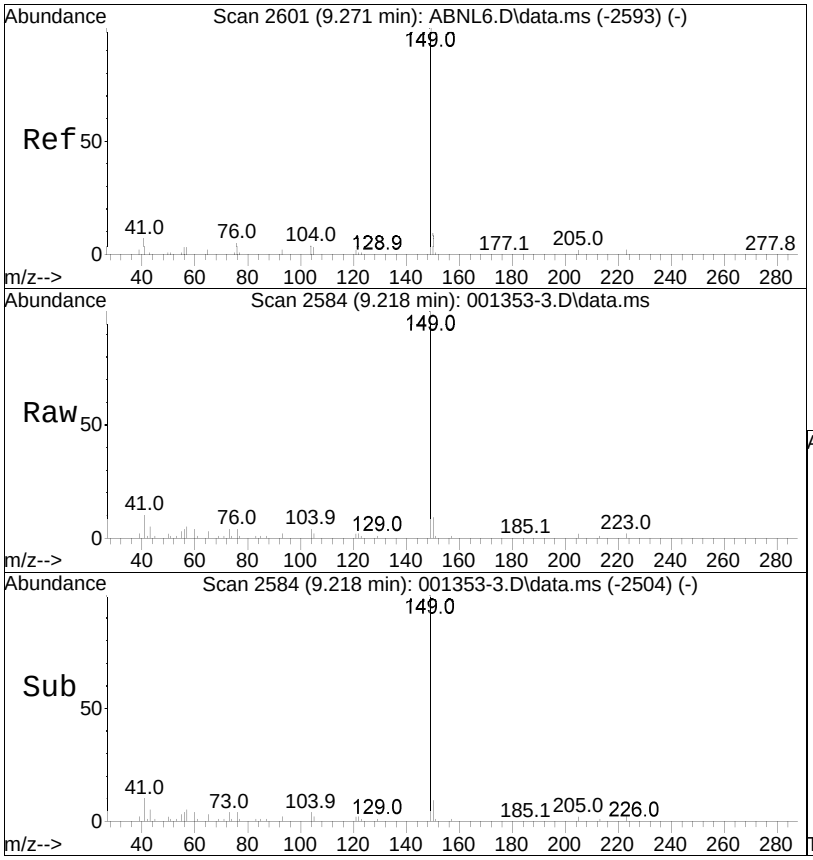


#93
Carbazole
Concen: 1.57 ug/ml
RT: 8.811 min Scan# 2453
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:167 Resp: 58104

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	23.1	17.4	26.0

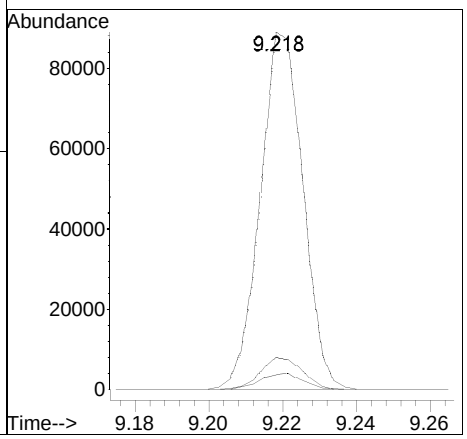


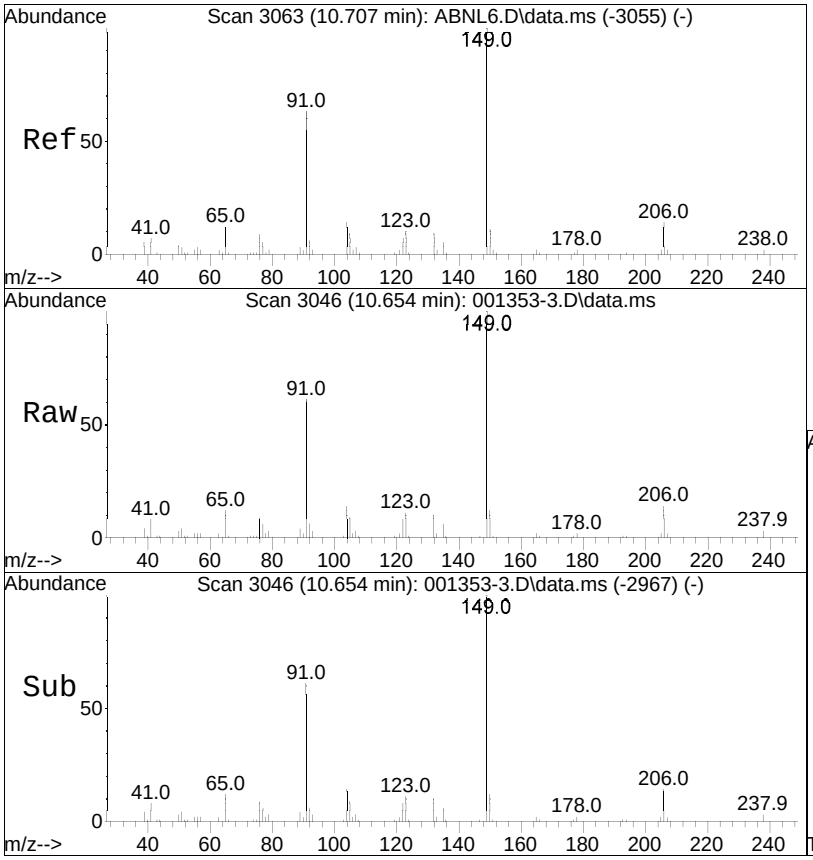


#94
Di-n-butylphthalate
Concen: 1.69 ug/ml
RT: 9.218 min Scan# 2584
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:149 Resp: 70629

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	4.4	4.5	6.7#

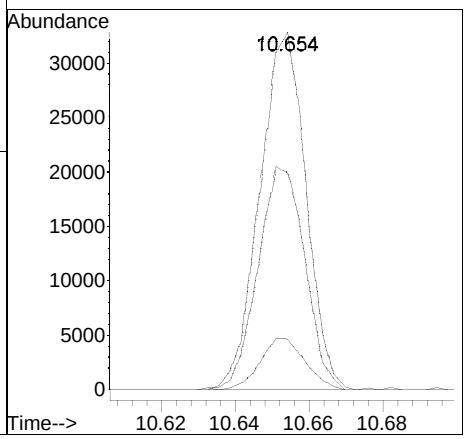


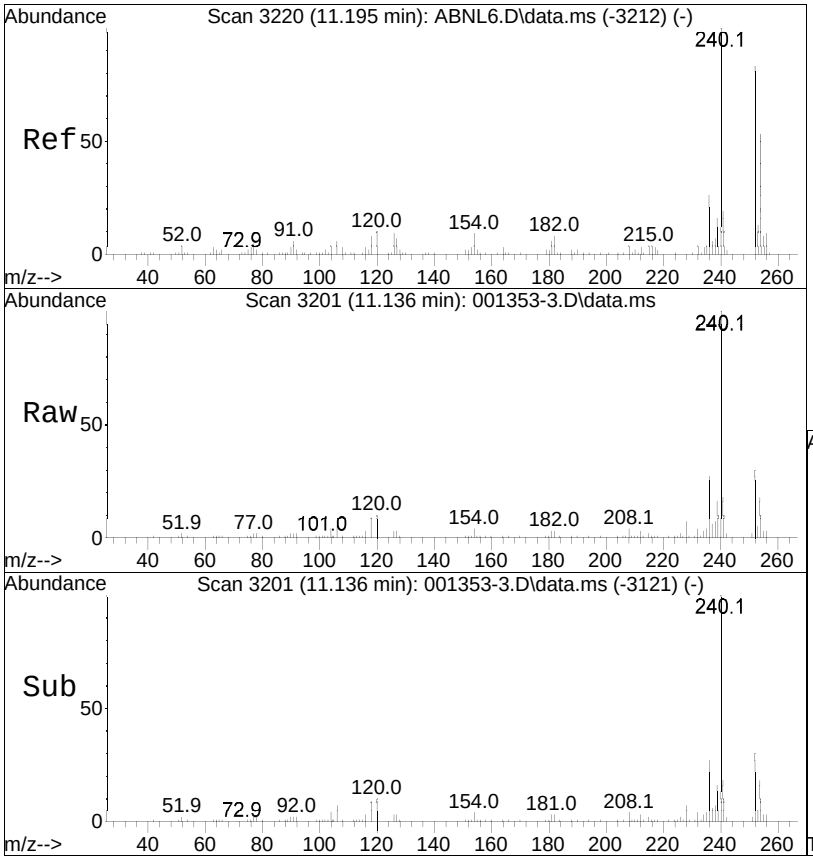


#99
Butyl benzyl phthalate
Concen: 1.57 ug/ml
RT: 10.654 min Scan# 3046
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:149 Resp: 28222

Ion	Ratio	Lower	Upper
149	100		
91	63.6	63.3	94.9
206	14.4	13.9	20.9

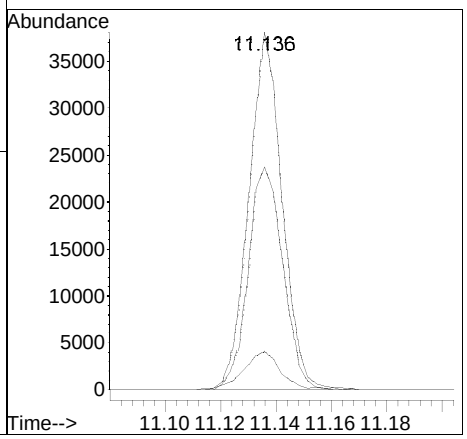


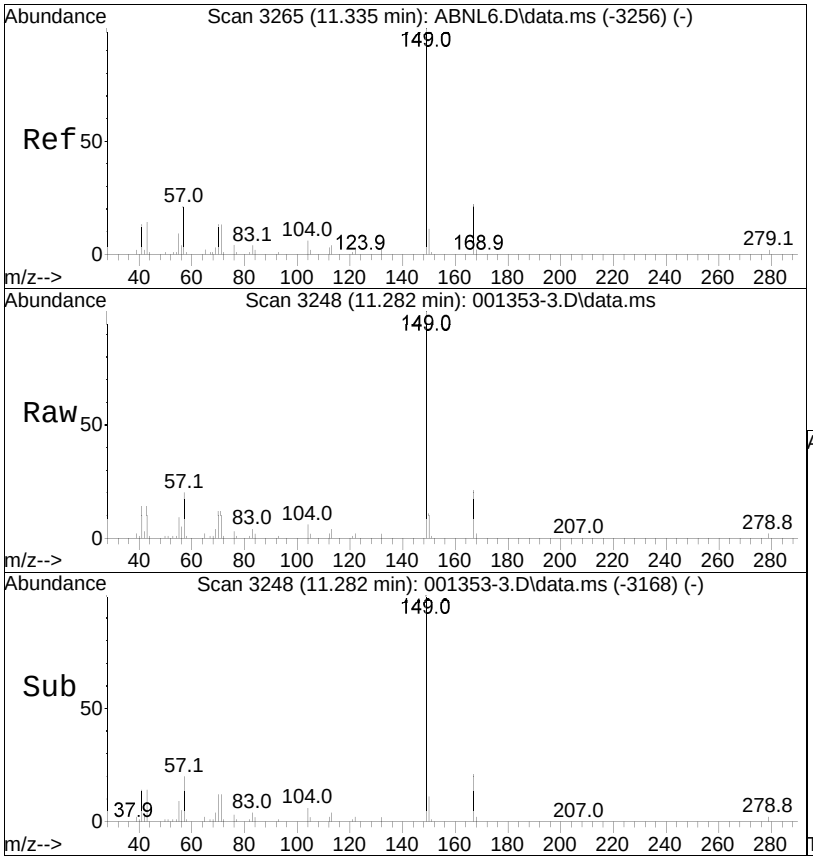


#108
3,3'-Dichlorobenzidine
Concen: 1.54 ug/ml
RT: 11.136 min Scan# 3201
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:252 Resp: 31410

Ion	Ratio	Lower	Upper
252	100		
126	12.5	14.5	21.7#
254	65.1	51.2	76.8

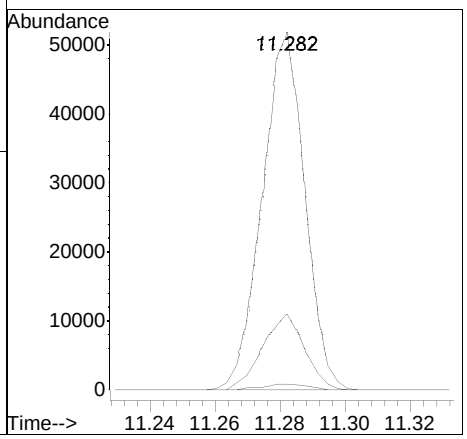


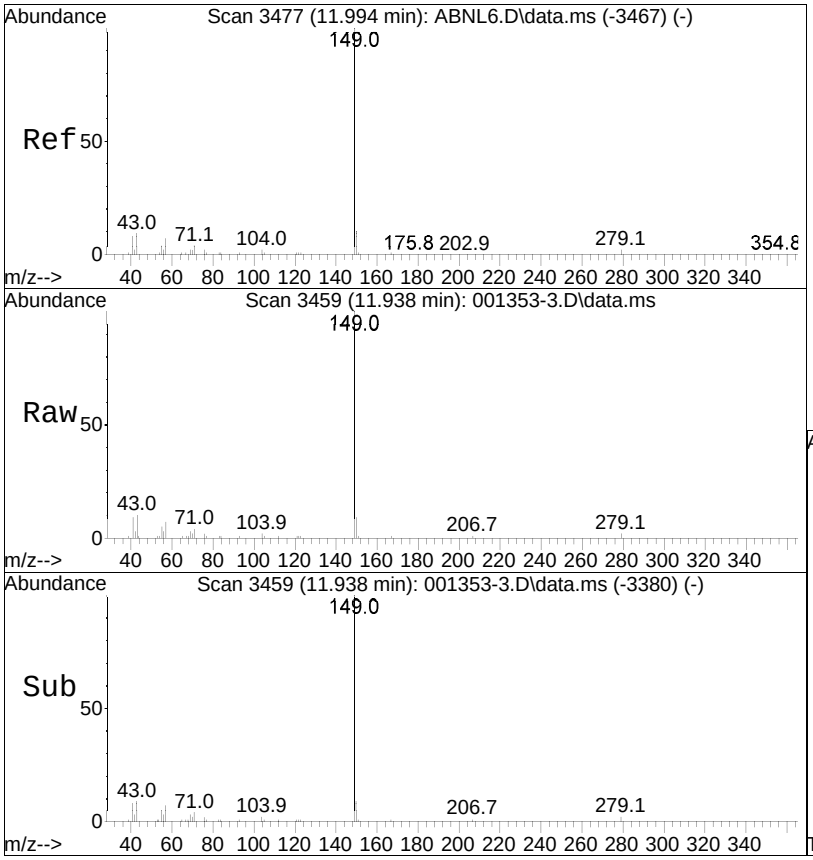


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.59 ug/ml
RT: 11.282 min Scan# 3248
Delta R.T. 0.000 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:149 Resp: 46526

Ion	Ratio	Lower	Upper
149	100		
167	21.0	22.1	33.1#
279	1.7	3.0	4.4#

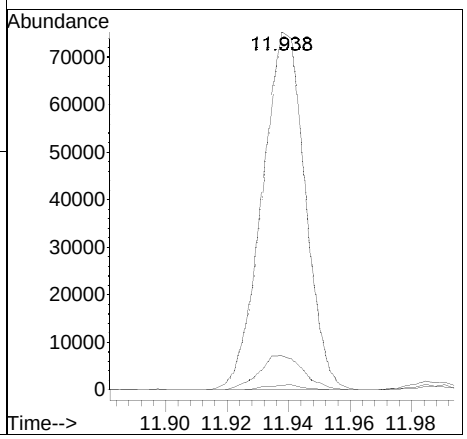




#111
Di-n-octylphthalate
Concen: 1.48 ug/ml
RT: 11.938 min Scan# 3459
Delta R.T. -0.003 min
Lab File: 001353-3.D
Acq: 23 Nov 2024 5:49 pm

Tgt Ion:149 Resp: 72497

Ion	Ratio	Lower	Upper
149	100		
43	9.9	18.8	28.2#
167	1.2	1.3	1.9#



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-3.D
Acq On : 25 Nov 2024 11:07 pm
Operator : Dakota:smz
Sample : WG2001587-3,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 26 09:06:23 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.227	152	30659	4.000	ug/ml		0.00
Standard Area 1 = 40101			Recovery = 76.45%				
27) IS2_1,4-Dichlorobenzen...	4.227	152	30659	4.000	ug/ml		0.00
Standard Area 3 = 22985			Recovery = 133.39%				
32) IS3_1,4-Dichlorobenzen...	4.227	152	30659	4.000	ug/ml		0.00
Standard Area 2 = 21373			Recovery = 143.45%				
37) IS1_Naphthalene-d8	5.464	136	115032	4.000	ug/ml	#	0.00
Standard Area 1 = 159893			Recovery = 71.94%				
57) IS2_Naphthalene-d8	5.464	136	115032	4.000	ug/ml	#	0.00
Standard Area 3 = 87939			Recovery = 130.81%				
65) IS1_Acenaphthene-d10	7.151	164	74952	4.000	ug/ml		0.00
Standard Area 1 = 106227			Recovery = 70.56%				
85) IS2_Acenaphthene-d10	7.151	164	74952	4.000	ug/ml		0.00
Standard Area 3 = 58300			Recovery = 128.56%				
88) IS3_Acenaphthene-d10	7.151	164	74952	4.000	ug/ml		0.00
Standard Area 2 = 54188			Recovery = 138.32%				
90) IS1_Phenanthrene-d10	8.566	188	164642	4.000	ug/ml		0.00
Standard Area 1 = 233287			Recovery = 70.57%				
102) IS3_Phenanthrene-d10	8.566	188	164642	4.000	ug/ml		0.00
Standard Area 2 = 126143			Recovery = 130.52%				
106) IS1_Chrysene-d12	11.127	240	188271	4.000	ug/ml		0.00
Standard Area 1 = 278188			Recovery = 67.68%				
115) IS1_Perylene-d12	12.544	264	226011	4.000	ug/ml		0.00
Standard Area 1 = 327345			Recovery = 69.04%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.934	112	5609	0.712	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 35.60%				
7) Phenol-d6	3.931	99	5090	0.504	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.20%				
19) Nitrobenzene-d5	4.777	82	6147	0.671	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.10%				
48) 2-Fluorobiphenyl	6.536	172	17519	0.615	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.50%				
81) 2,4,6-Tribromophenol	7.910	330	7503	1.400	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 70.00%				

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-3.D
Acq On : 25 Nov 2024 11:07 pm
Operator : Dakota:smz
Sample : WG2001587-3,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 26 09:06:23 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.132	244	33334	0.700	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 70.00%

Target Compounds						Qvalue
6) 2-Chlorophenol	4.022	128	9704	1.033	ug/ml#	89
8) Phenol	3.944	94	5462	0.502	ug/ml	97
9) Bis(2-chloroethyl)ether	4.003	93	9605	1.232	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.537	45	17212	1.252	ug/ml#	71
15) 2-Methylphenol	4.537	108	7608	0.920	ug/ml	96
17) n-Nitrosodi-n-propylamine	4.668	70	8361	1.265	ug/ml#	86
18) 3-Methylphenol/4-Methy...	4.699	108	8167	0.901	ug/ml#	96
20) Nitrobenzene	4.795	77	11583	1.236	ug/ml	97
21) Isophorone	5.041	82	20973	1.218	ug/ml#	93
22) 2-Nitrophenol	5.109	139	5392	1.137	ug/ml	94
23) 2,4-Dimethylphenol	5.203	107	6283	0.745	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.287	93	13665	1.274	ug/ml#	94
25) 2,4-Dichlorophenol	5.352	162	11861	1.204	ug/ml#	93
28) Benzaldehyde	3.788	105	9237	1.713	ug/ml	97
29) Acetophenone	4.640	105	16135	1.500	ug/ml#	82
40) 4-Chloroaniline	5.566	65	3457M3	0.994	ug/ml	
42) p-Chloro-m-cresol	6.076	107	10362	1.243	ug/ml	89
45) Hexachlorocyclopentadiene	6.334	237	3995	0.510	ug/ml#	86
46) 2,4,6-Trichlorophenol	6.455	196	10166	1.234	ug/ml	98
47) 2,4,5-Trichlorophenol	6.483	196	11913	1.293	ug/ml	97
50) 2-Nitroaniline	6.741	138	9066	1.445	ug/ml#	81
53) Dimethyl phthalate	6.949	163	36203	1.271	ug/ml#	98
55) 2,6-Dinitrotoluene	6.987	165	7094	1.334	ug/ml#	78
62) Caprolactam	5.865	55	1766	0.500	ug/ml#	72
63) 1,2,4,5-Tetrachloroben...	6.331	216	15248	1.284	ug/ml#	95
64) Biphenyl	6.623	154	35097	1.450	ug/ml	97
66) 3-Nitroaniline	7.136	138	7635	1.319	ug/ml#	85
68) 2,4-Dinitrophenol	7.242	184	1211	0.344	ug/ml	97
69) Dibenzofuran	7.350	168	46702	1.242	ug/ml	99
70) 2,4-Dinitrotoluene	7.369	165	10094	1.391	ug/ml#	84
71) 4-Nitrophenol	7.344	65	3404	0.789	ug/ml#	1
73) 2,3,4,6-Tetrachlorophenol	7.490	232	10772	1.344	ug/ml	95
74) Diethyl phthalate	7.633	149	36786	1.247	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-3.D
Acq On : 25 Nov 2024 11:07 pm
Operator : Dakota:smz
Sample : WG2001587-3,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 26 09:06:23 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	7.705	204	17943	1.209	ug/ml#	86
77)	4-Nitroaniline	7.717	138	9039	1.616	ug/ml#	79
78)	4,6-Dinitro-o-cresol	7.754	198	3171	0.723	ug/ml#	65
79)	NDPA/DPA	7.823	169	32410	1.294	ug/ml	92
82)	4-Bromophenyl phenyl e...	8.168	248	12347	1.263	ug/ml#	81
89)	Atrazine	8.367	200	10413	1.620	ug/ml	91
93)	Carbazole	8.811	167	63986	1.460	ug/ml	98
94)	Di-n-butylphthalate	9.218	149	71684	1.443	ug/ml#	98
99)	Butyl benzyl phthalate	10.651	149	32741	1.539	ug/ml#	84
108)	3,3'-Dichlorobenzidine	11.133	252	37087	1.561	ug/ml#	97
110)	Bis(2-ethylhexyl)phtha...	11.276	149	49512	1.448	ug/ml#	89
111)	Di-n-octylphthalate	11.932	149	84001	1.473	ug/ml#	73

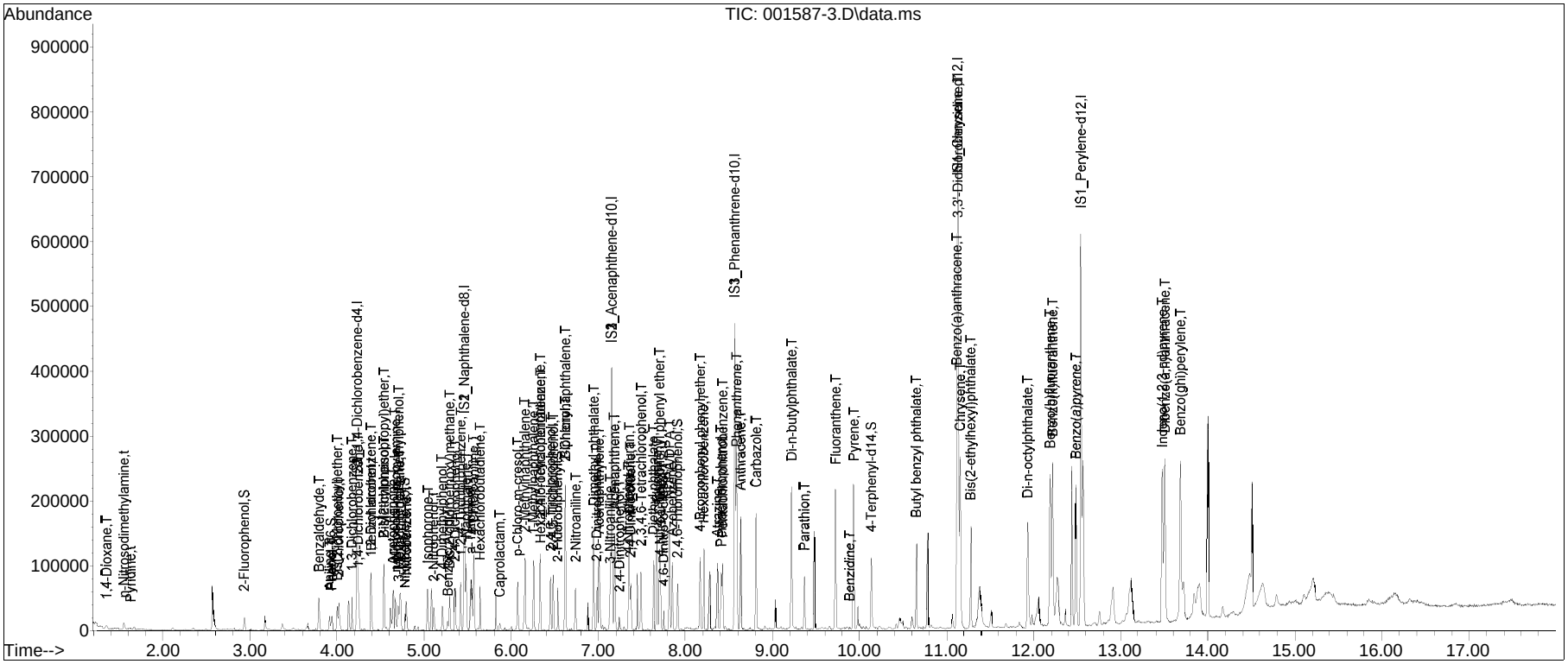
(#) = qualifier out of range (m) = manual integration (+) = signals summed

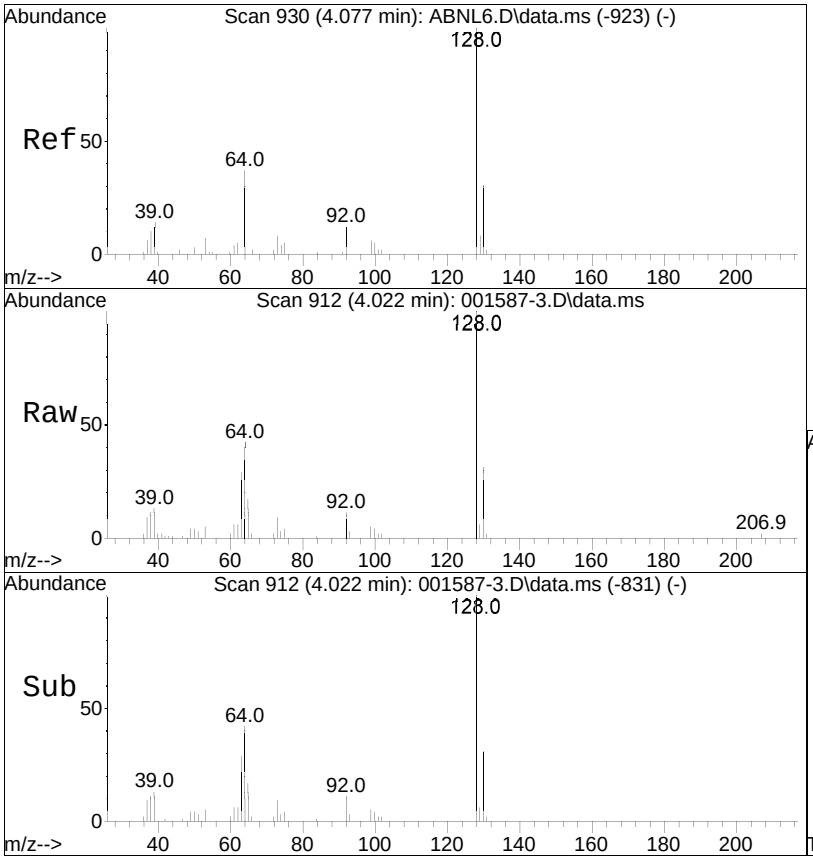
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-3.D
Acq On : 25 Nov 2024 11:07 pm
Operator : Dakota:smz
Sample : WG2001587-3,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 26 09:06:23 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA5NRVT\AP91125n.D•

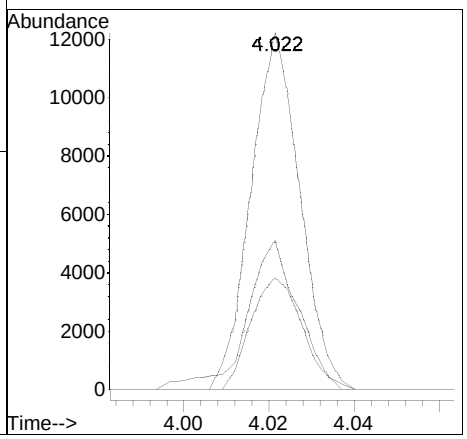


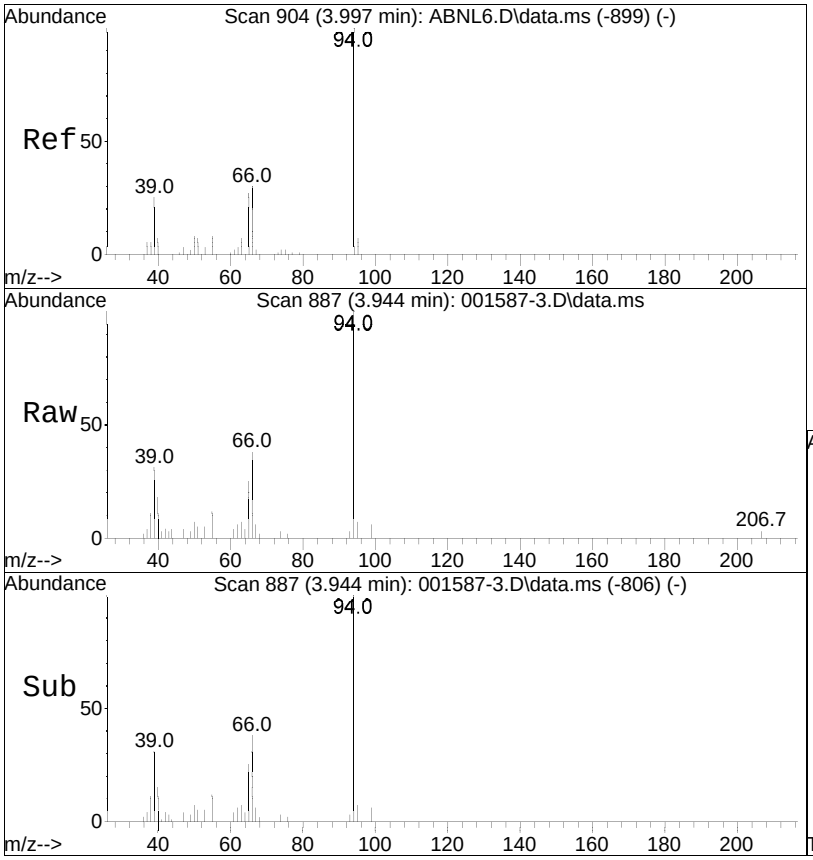


#6
2-Chlorophenol
Concen: 1.03 ug/ml
RT: 4.022 min Scan# 912
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:128 Resp: 9704

Ion	Ratio	Lower	Upper
128	100		
64	44.0	45.1	67.7#
130	33.1	26.2	39.4

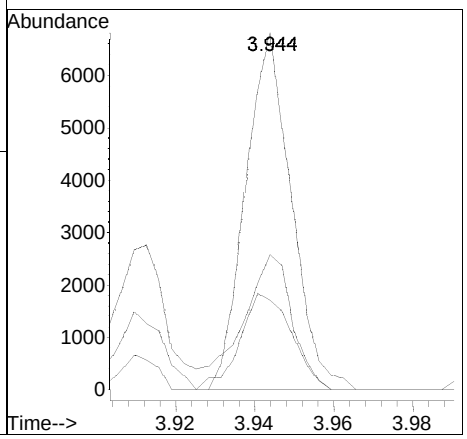


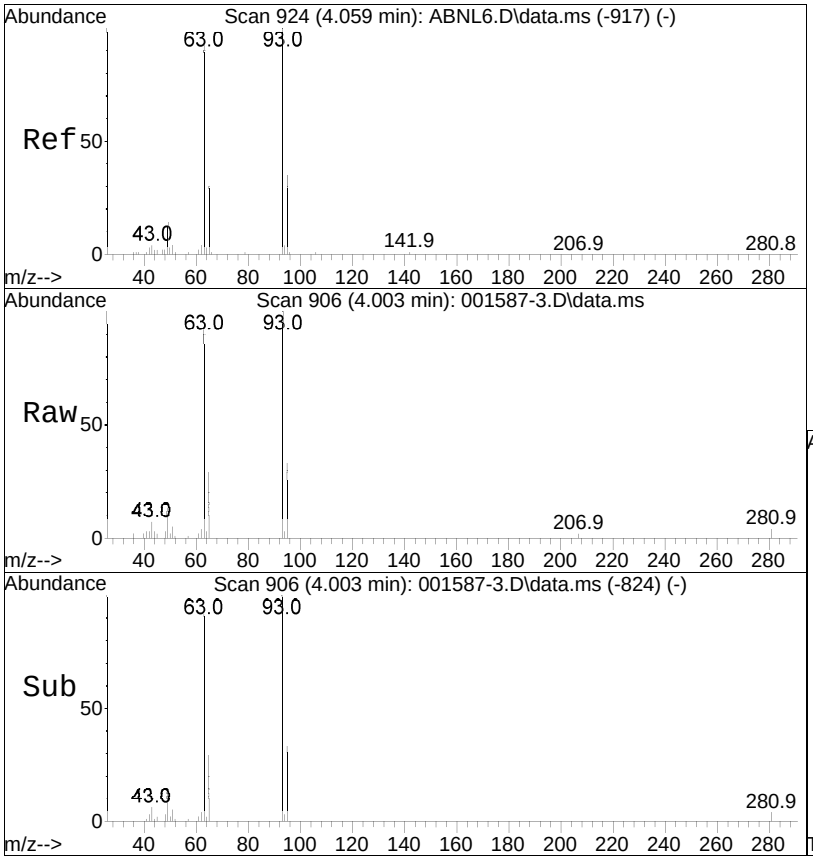


#8
Phenol
Concen: 0.50 ug/ml
RT: 3.944 min Scan# 887
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 94 Resp: 5462

Ion	Ratio	Lower	Upper
94	100		
65	30.3	26.0	39.0
66	41.2	33.8	50.8

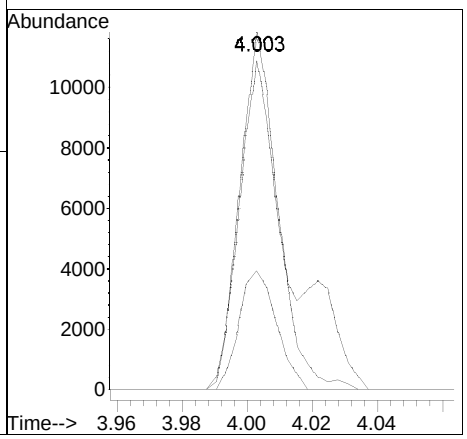


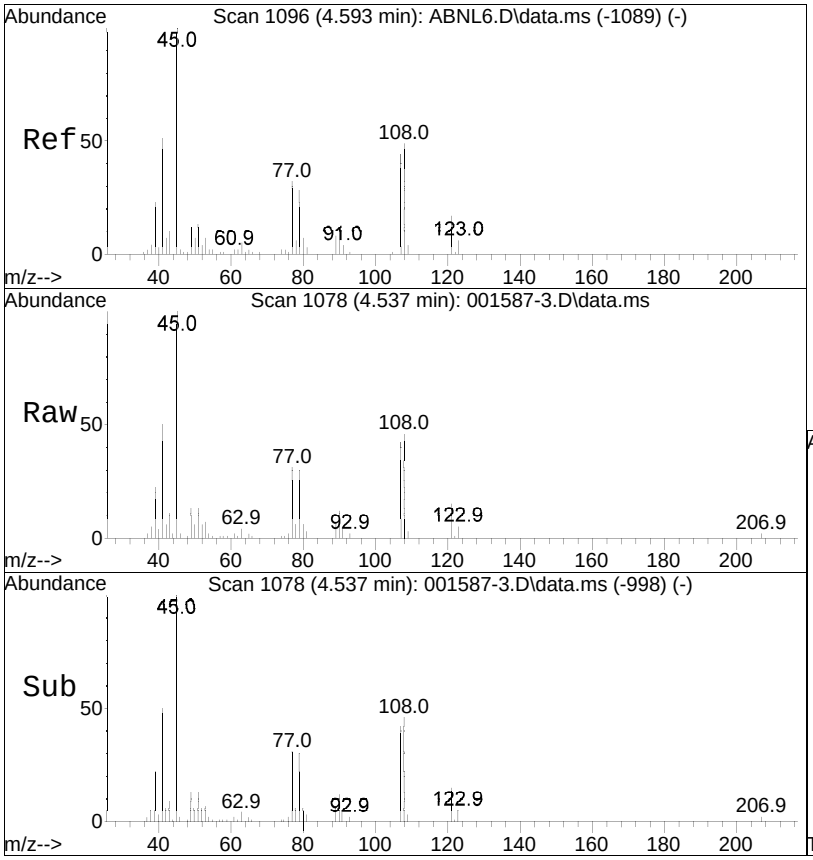


#9
Bis(2-chloroethyl)ether
Concen: 1.23 ug/ml
RT: 4.003 min Scan# 906
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 93 Resp: 9605

Ion	Ratio	Lower	Upper
93	100		
63	93.2	74.6	111.8
95	32.8	25.9	38.9

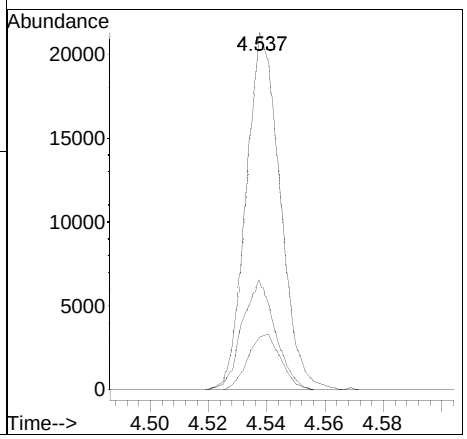


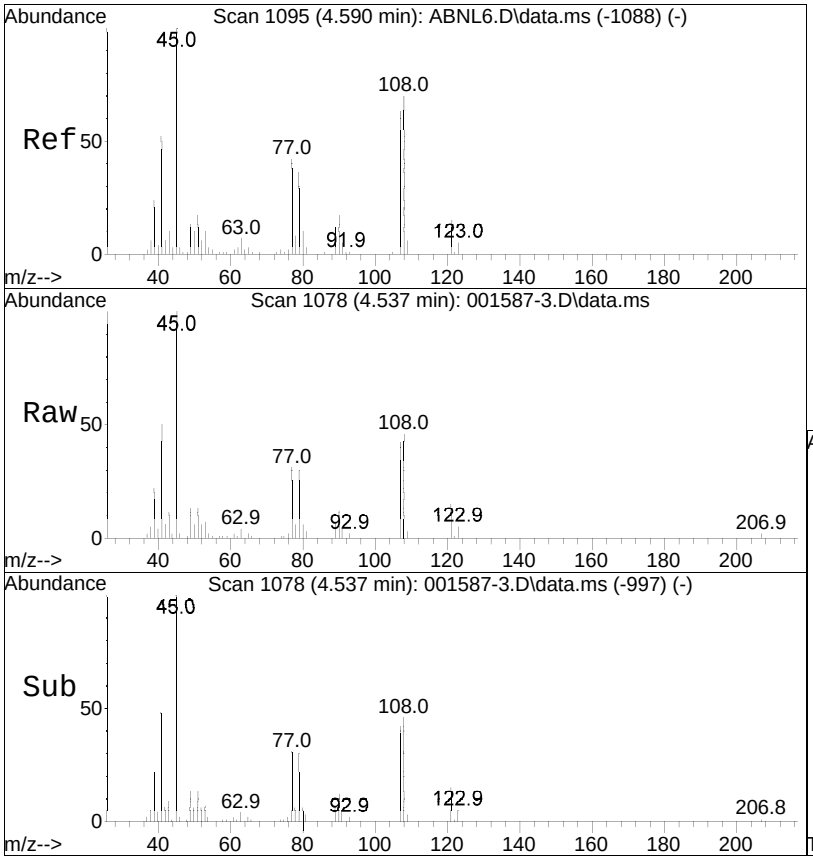


#14
Bis(2-chloroisopropyl)ether
Concen: 1.25 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 45 Resp: 17212

Ion	Ratio	Lower	Upper
45	100		
121	15.1	9.8	14.6#
77	30.2	6.1	9.1#

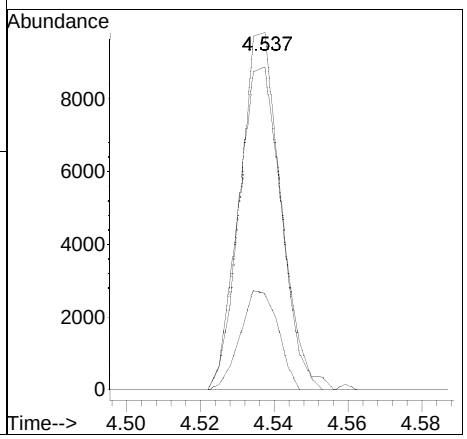


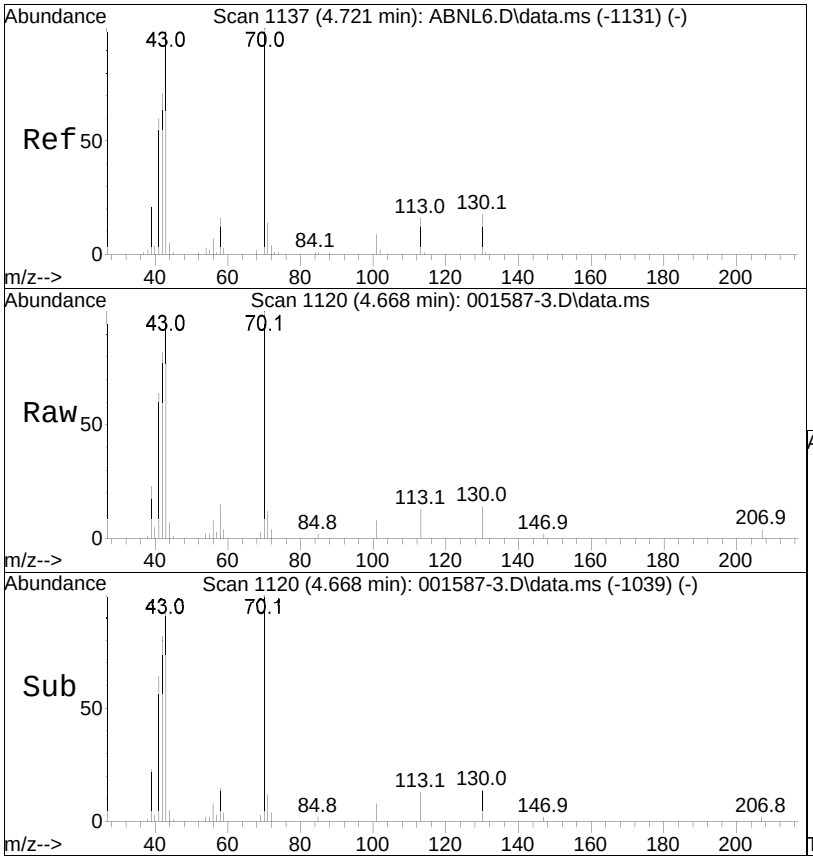


#15
2-Methylphenol
Concen: 0.92 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:108 Resp: 7608

Ion	Ratio	Lower	Upper
108	100		
107	91.4	70.7	106.1
90	25.6	18.7	28.1

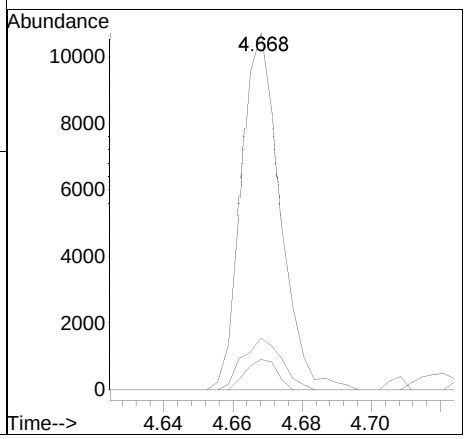


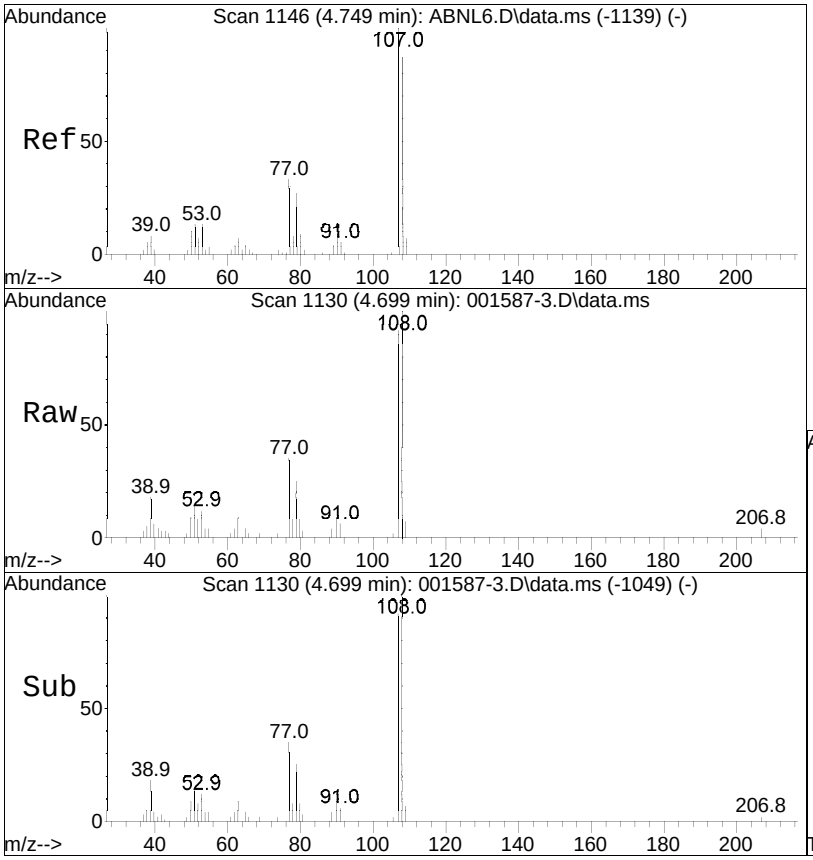


#17
n-Nitrosodi-n-propylamine
Concen: 1.26 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 70 Resp: 8361

Ion	Ratio	Lower	Upper
70	100		
130	14.5	18.2	27.4#
101	6.8	7.8	11.8#

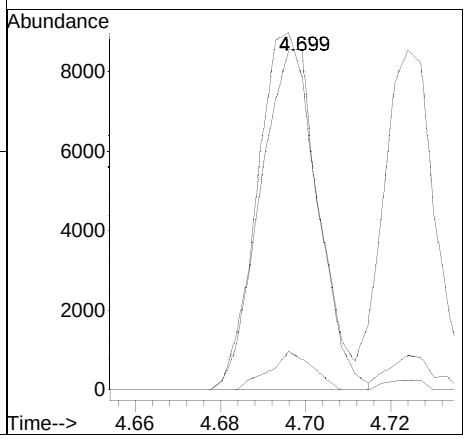


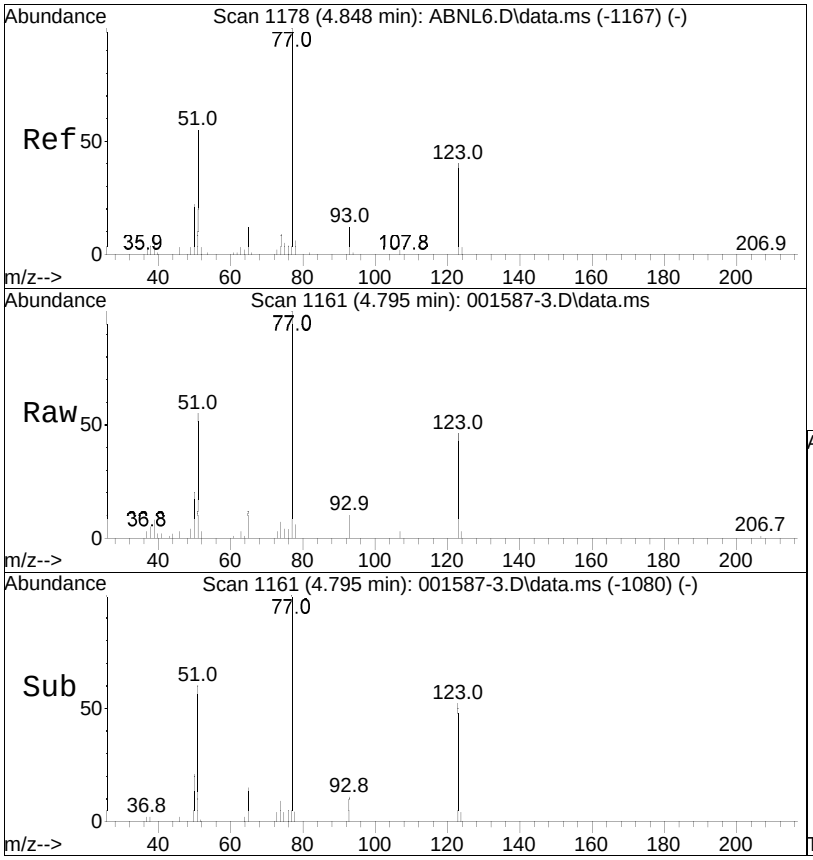


#18
3-Methylphenol/4-Methylphenol
Concen: 0.90 ug/ml
RT: 4.699 min Scan# 1130
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:108 Resp: 8167

Ion	Ratio	Lower	Upper
108	100		
107	106.7	88.6	132.8
90	8.4	8.8	13.2#

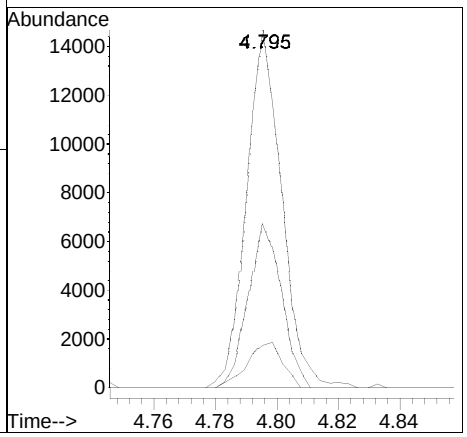


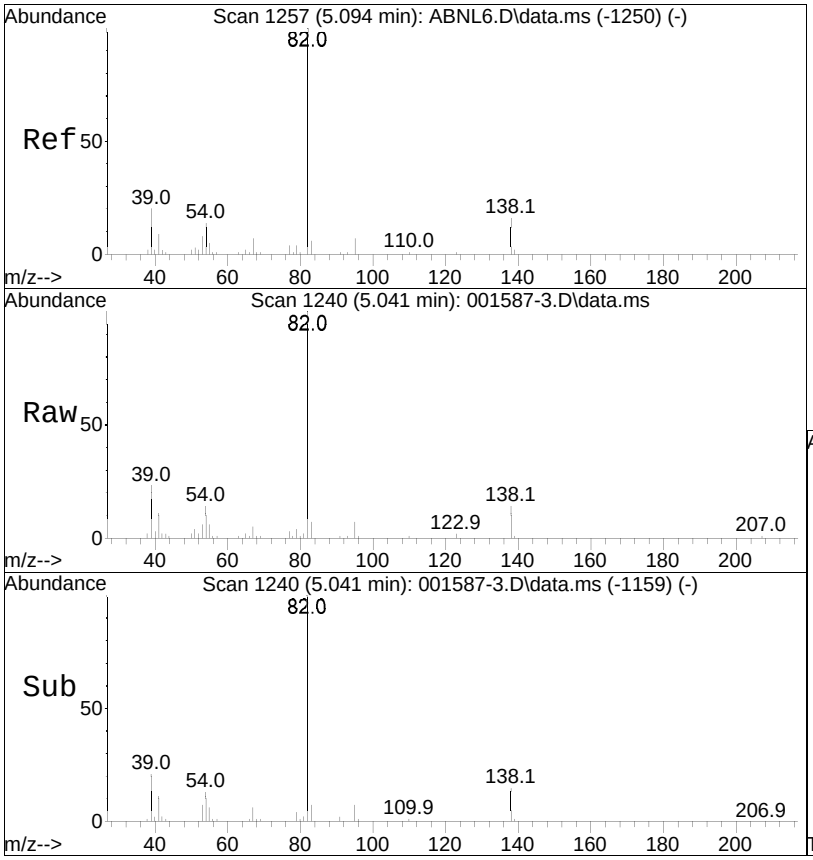


#20
Nitrobenzene
Concen: 1.24 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 77 Resp: 11583

Ion	Ratio	Lower	Upper
77	100		
123	43.8	36.3	54.5
65	12.9	11.6	17.4

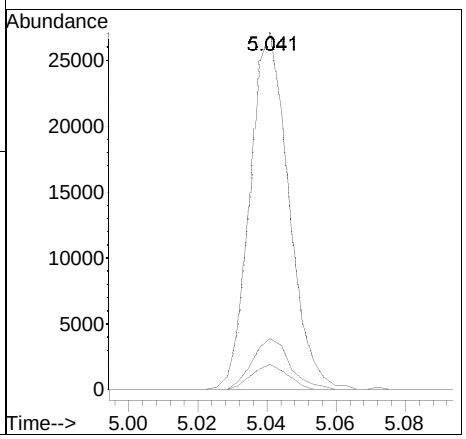


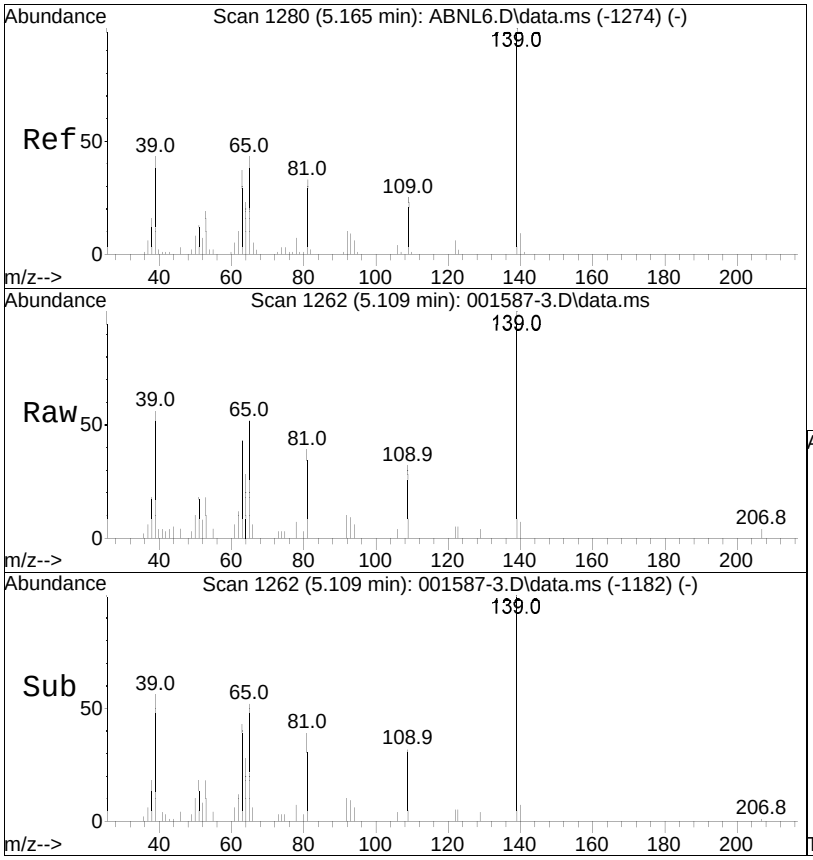


#21
Isophorone
Concen: 1.22 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 82 Resp: 20973

Ion	Ratio	Lower	Upper
82	100		
138	14.0	14.7	22.1#
95	6.6	5.2	7.8

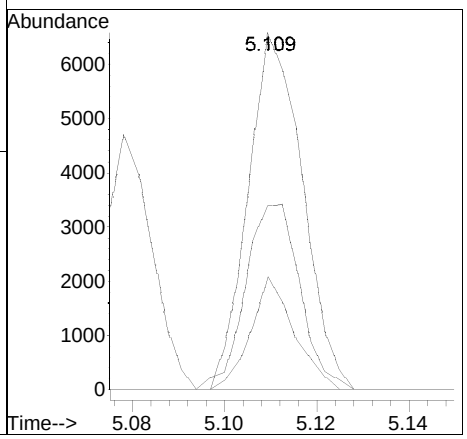


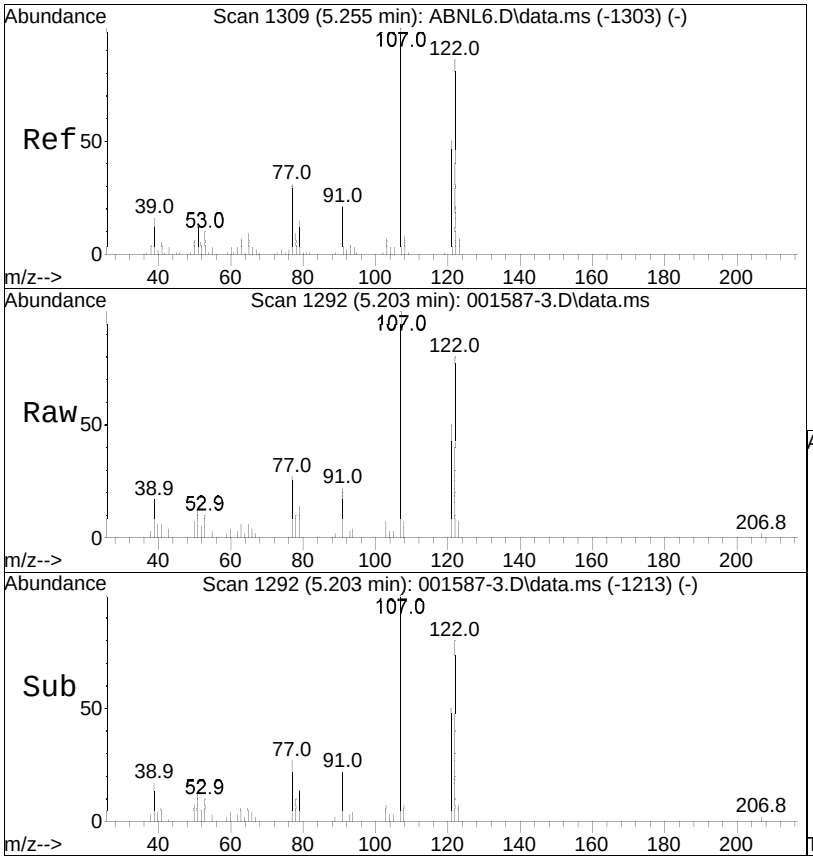


#22
2-Nitrophenol
Concen: 1.14 ug/ml
RT: 5.109 min Scan# 1262
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:139 Resp: 5392

Ion	Ratio	Lower	Upper
139	100		
109	25.4	19.4	29.0
65	52.0	46.1	69.1

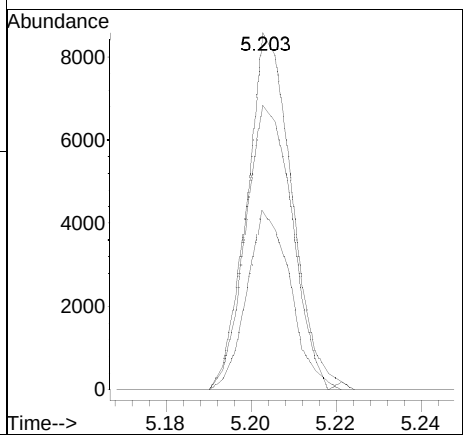


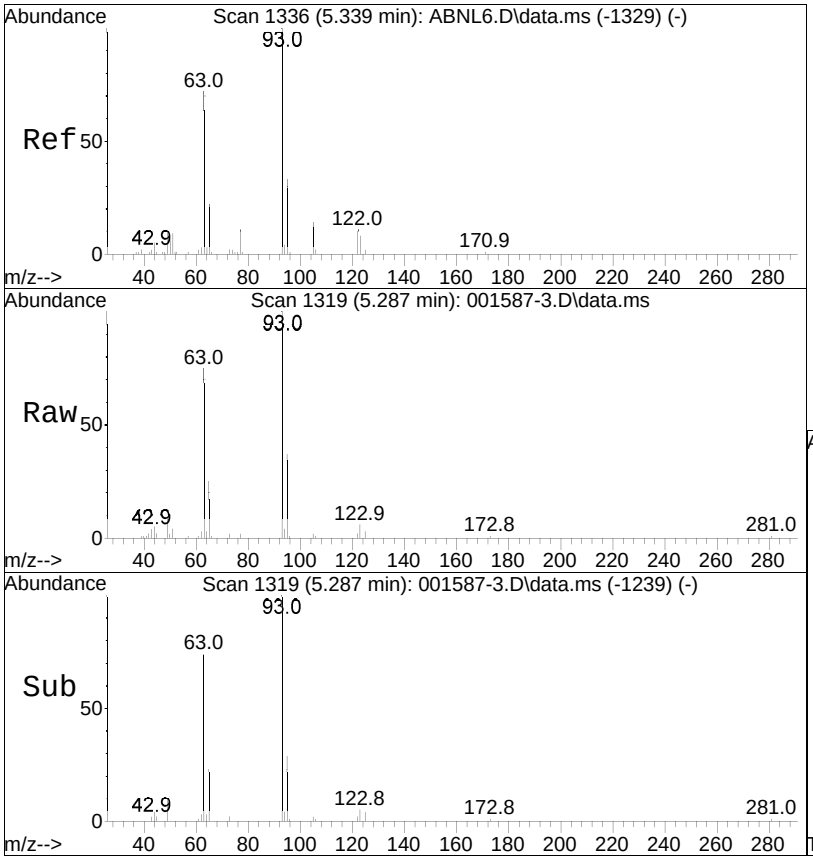


#23
2,4-Dimethylphenol
Concen: 0.74 ug/ml
RT: 5.203 min Scan# 1292
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:107 Resp: 6283

Ion	Ratio	Lower	Upper
107	100		
121	48.9	40.0	60.0
122	83.2	70.2	105.4

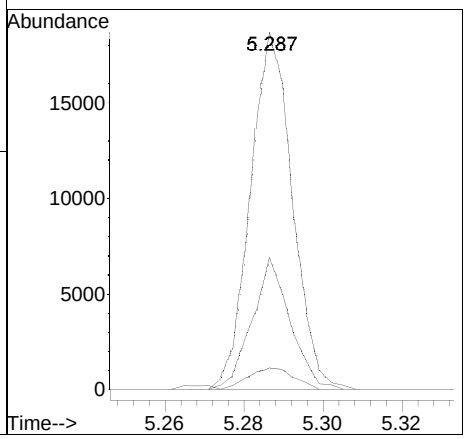


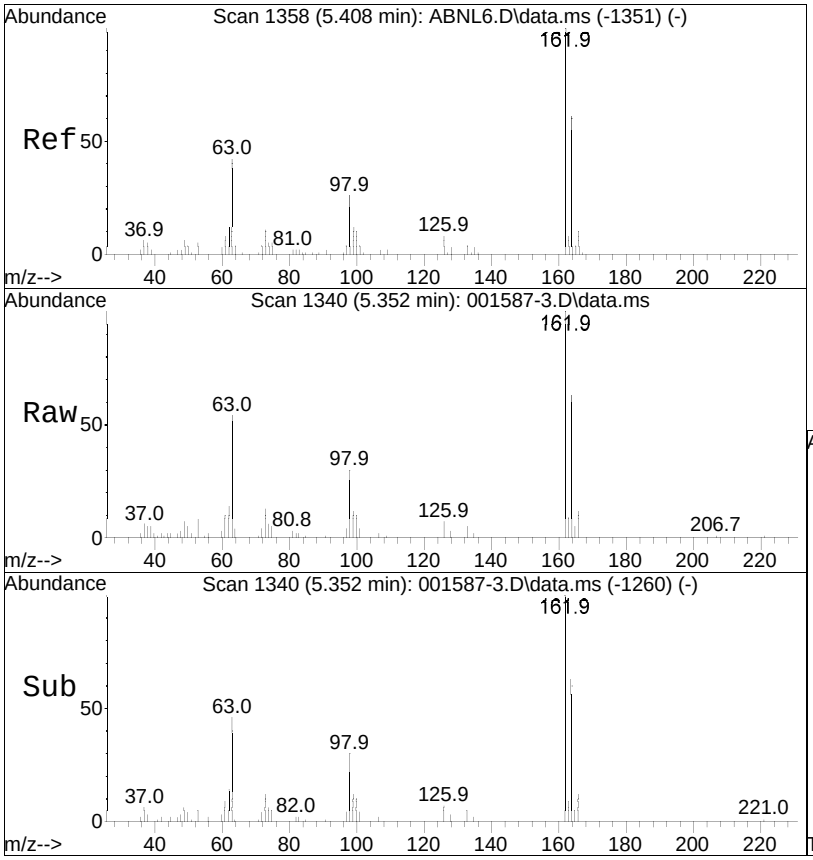


#24
Bis(2-chloroethoxy)methane
Concen: 1.27 ug/ml
RT: 5.287 min Scan# 1319
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 93 Resp: 13665

Ion	Ratio	Lower	Upper
93	100		
95	33.7	25.8	38.8
123	6.5	10.1	15.1#

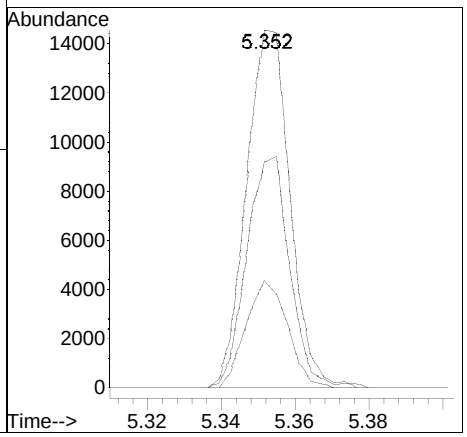


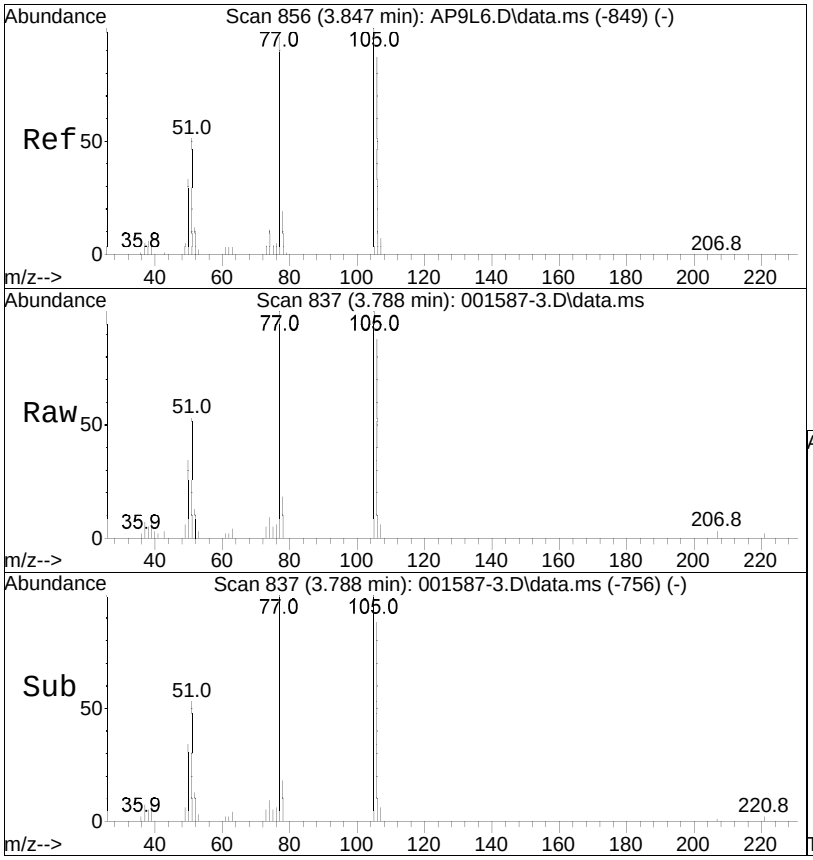


#25
2,4-Dichlorophenol
Concen: 1.20 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:162 Resp: 11861

Ion	Ratio	Lower	Upper
162	100		
164	63.9	51.0	76.4
98	28.6	32.2	48.2#

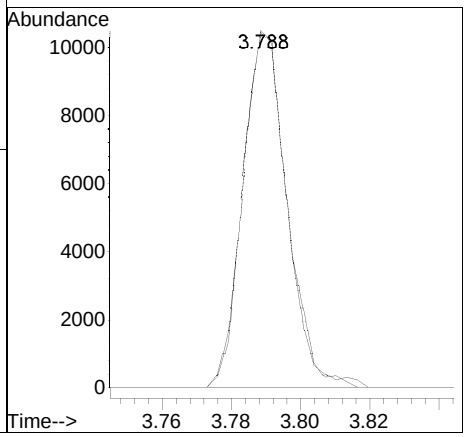


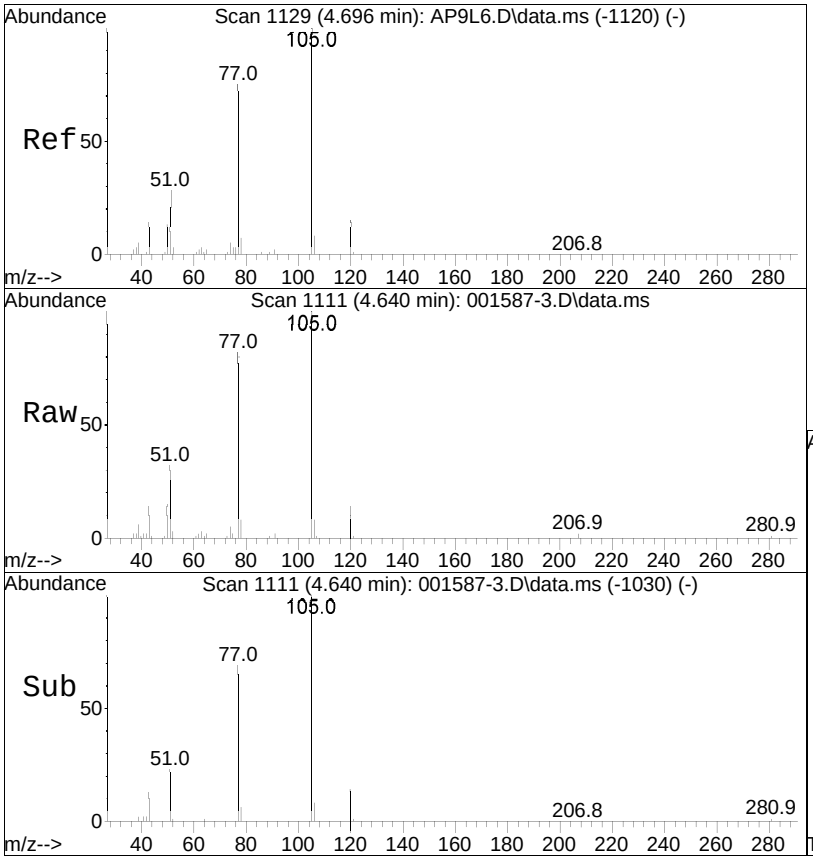


#28
Benzaldehyde
Concen: 1.71 ug/ml
RT: 3.788 min Scan# 837
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:105 Resp: 9237

Ion	Ratio	Lower	Upper
105	100		
77	100.1	82.2	123.4

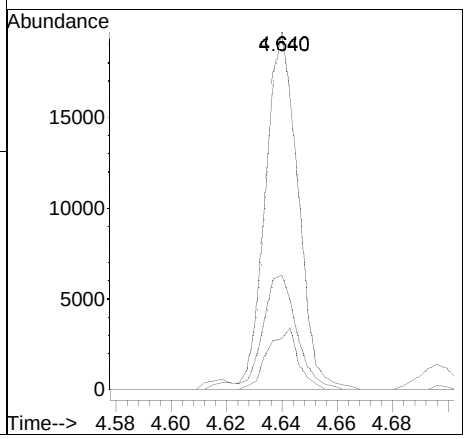


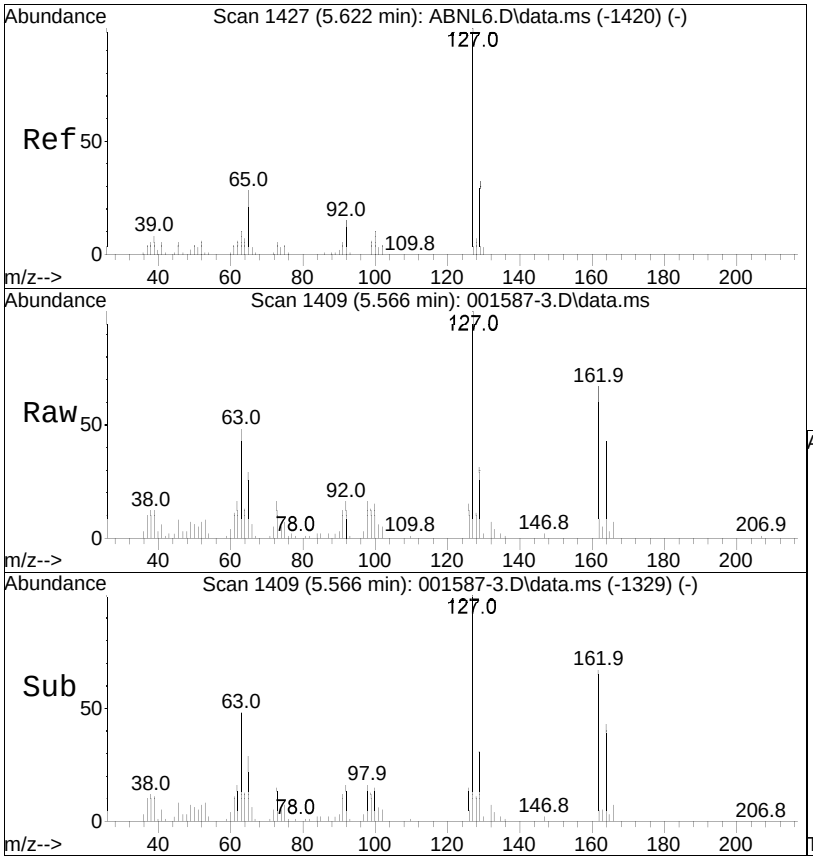


#29
Acetophenone
Concen: 1.50 ug/ml
RT: 4.640 min Scan# 1111
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:105 Resp: 16135

Ion	Ratio	Lower	Upper
105	100		
120	15.9	20.5	30.7#
51	32.6	34.9	52.3#

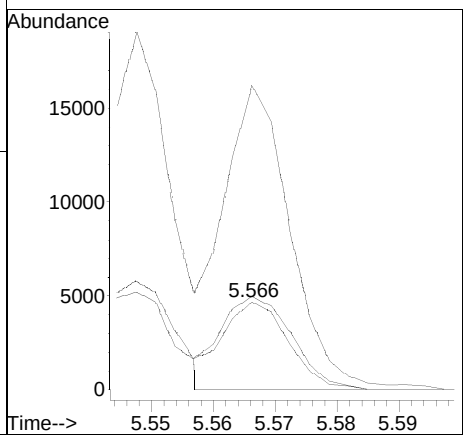


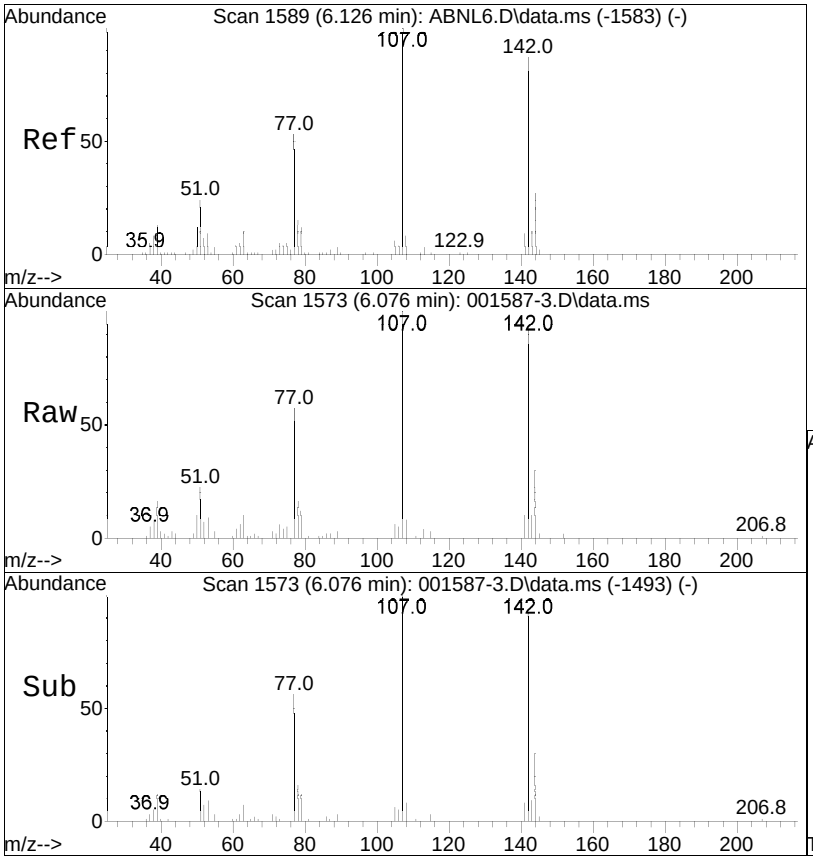


#40
4-Chloroaniline
Concen: 0.99 ug/ml M3
RT: 5.566 min Scan# 1409
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 65 Resp: 3457

Ion	Ratio	Lower	Upper
65	100		
127	408.2	237.6	356.4#
129	134.1	76.3	114.5#

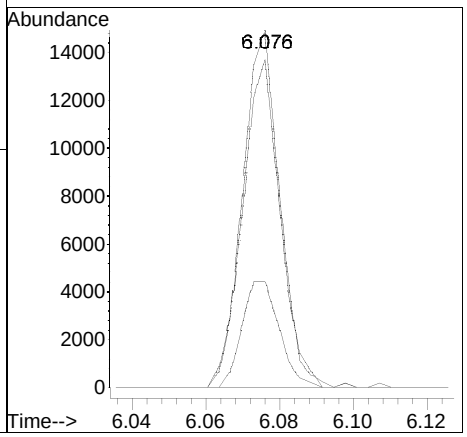


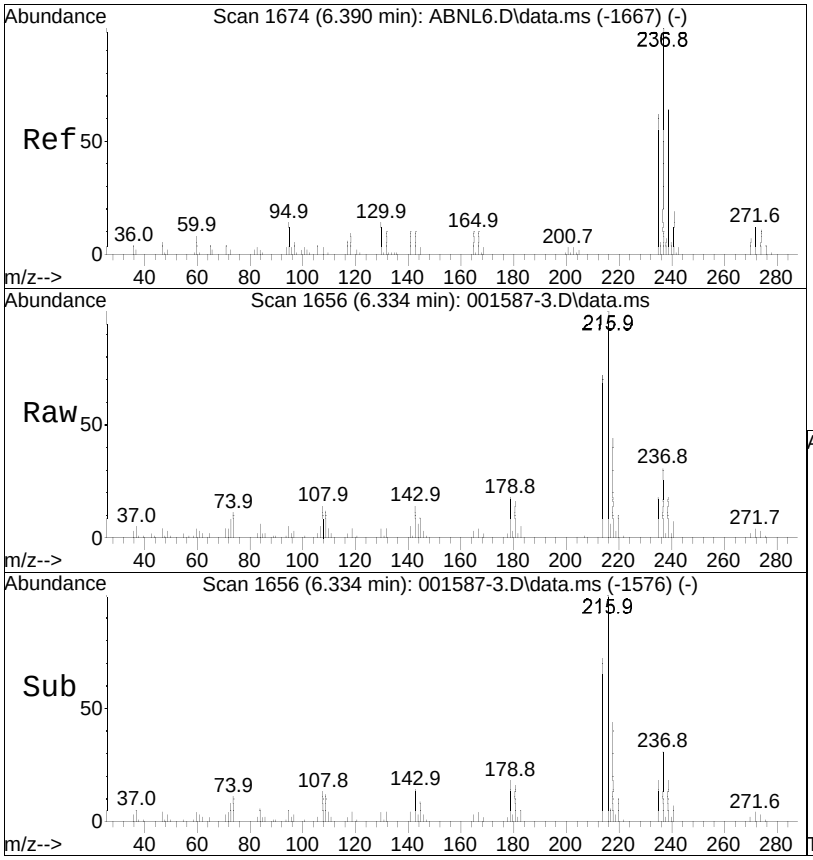


#42
p-Chloro-m-cresol
Concen: 1.24 ug/ml
RT: 6.076 min Scan# 1573
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:107 Resp: 10362

Ion	Ratio	Lower	Upper
107	100		
144	30.2	20.9	31.3
142	92.9	66.1	99.1

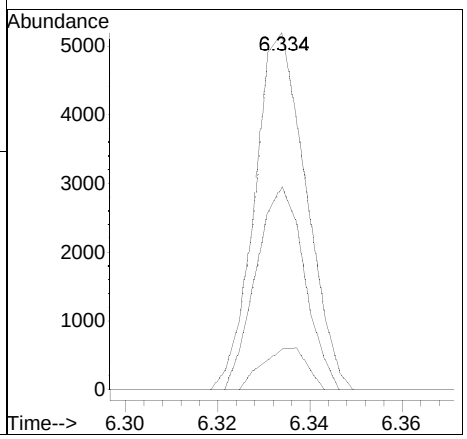


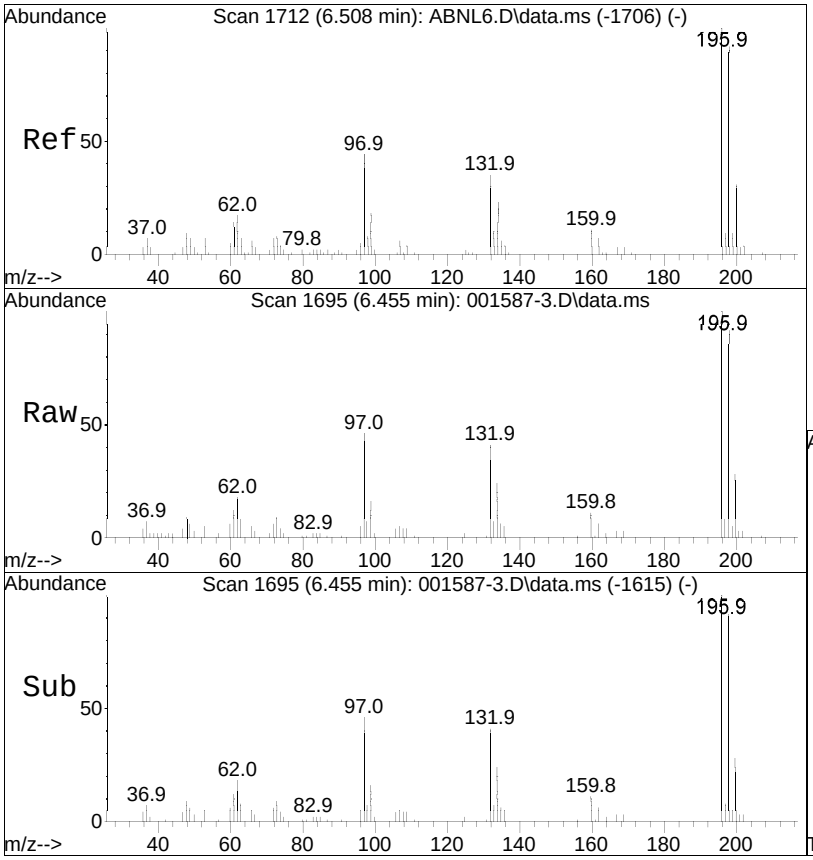


#45
Hexachlorocyclopentadiene
Concen: 0.51 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:237 Resp: 3995

Ion	Ratio	Lower	Upper
237	100		
235	53.8	49.7	74.5
272	0.0	9.8	14.6#

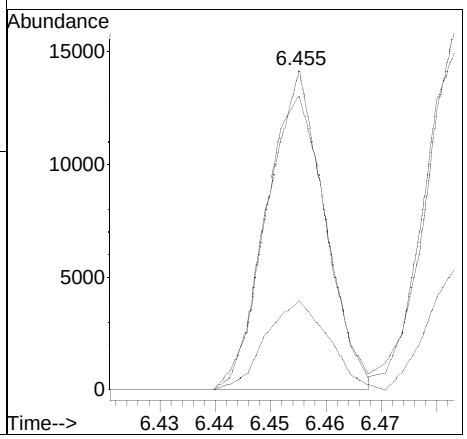


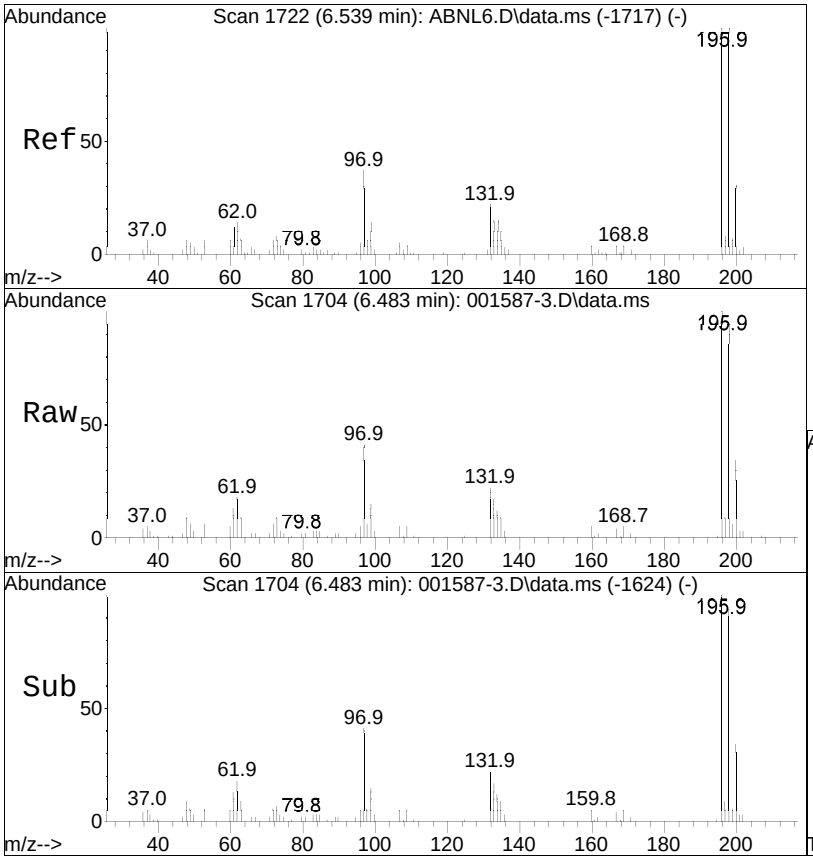


#46
2,4,6-Trichlorophenol
Concen: 1.23 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:196 Resp: 10166

Ion	Ratio	Lower	Upper
196	100		
198	98.9	77.5	116.3
200	30.4	23.8	35.6

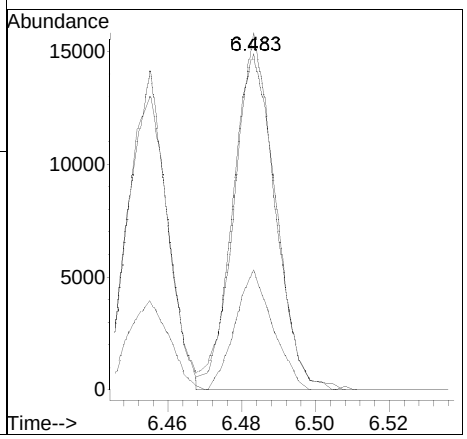


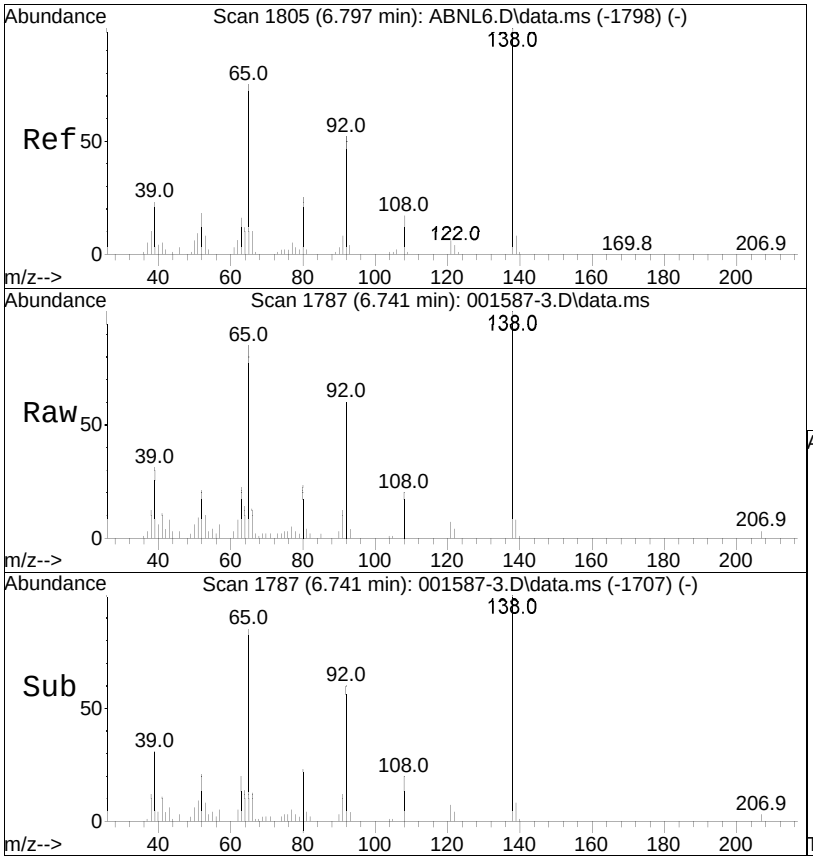


#47
2,4,5-Trichlorophenol
Concen: 1.29 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:196 Resp: 11913

Ion	Ratio	Lower	Upper
196	100		
200	31.7	25.4	38.0
198	101.9	78.0	117.0

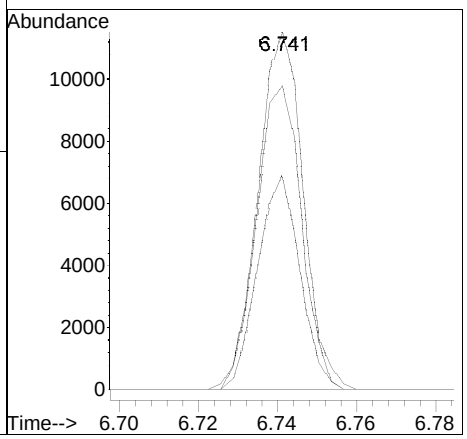


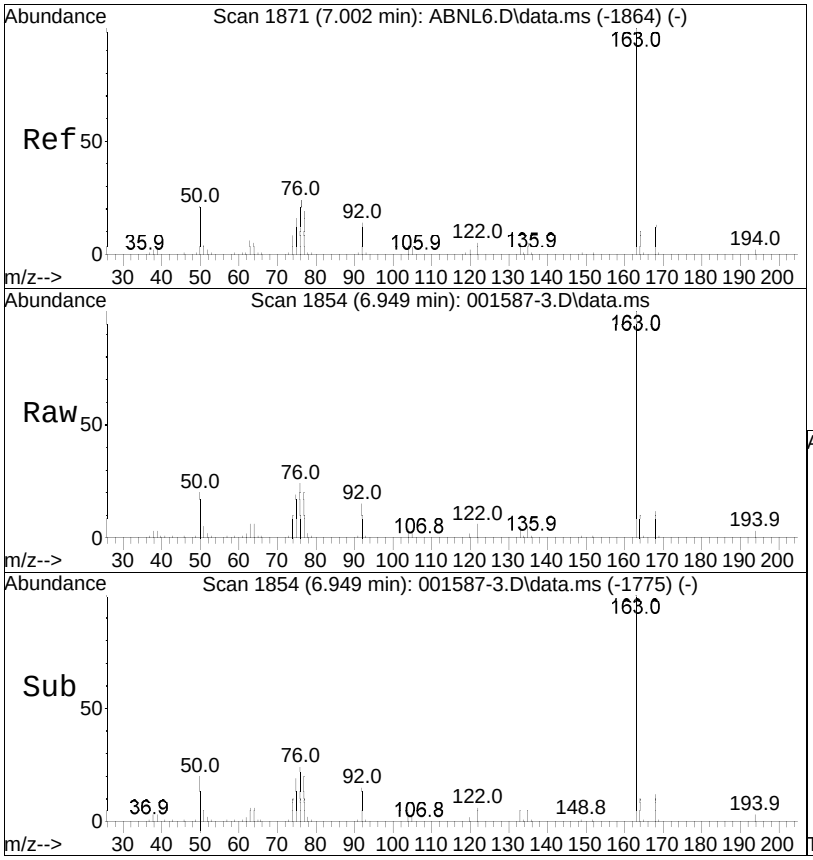


#50
2-Nitroaniline
Concen: 1.45 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:138 Resp: 9066

Ion	Ratio	Lower	Upper
138	100		
92	56.3	53.5	80.3
65	84.7	86.3	129.5#

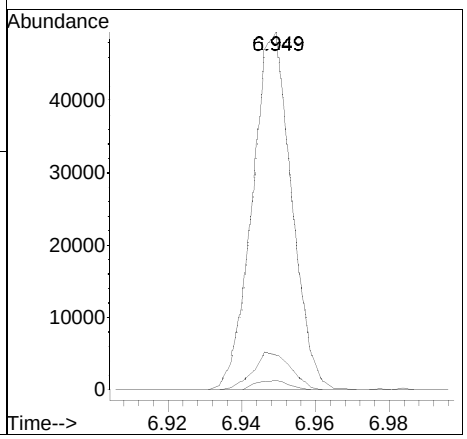


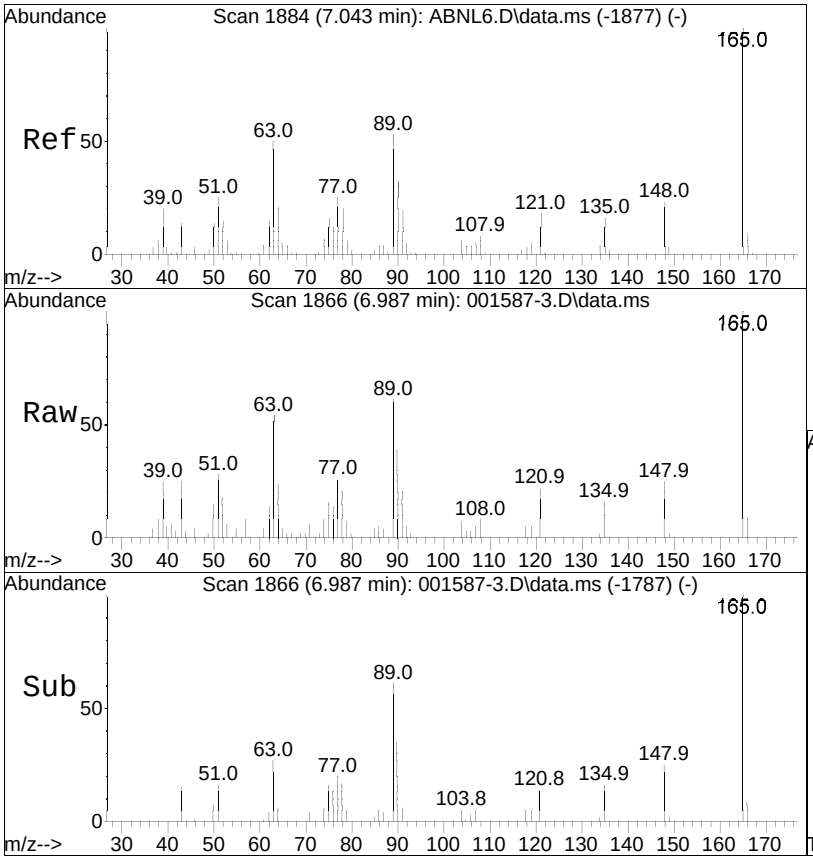


#53
Dimethyl phthalate
Concen: 1.27 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:163 Resp: 36203

Ion	Ratio	Lower	Upper
163	100		
194	2.1	3.5	5.3#
164	10.1	7.9	11.9

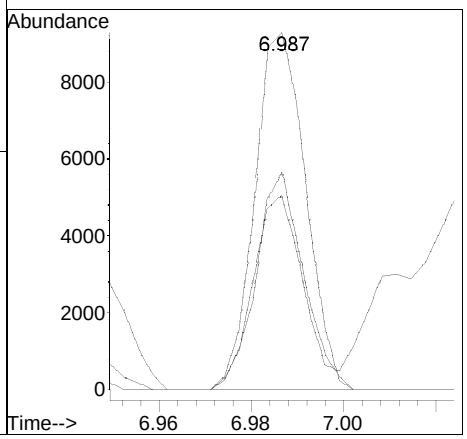


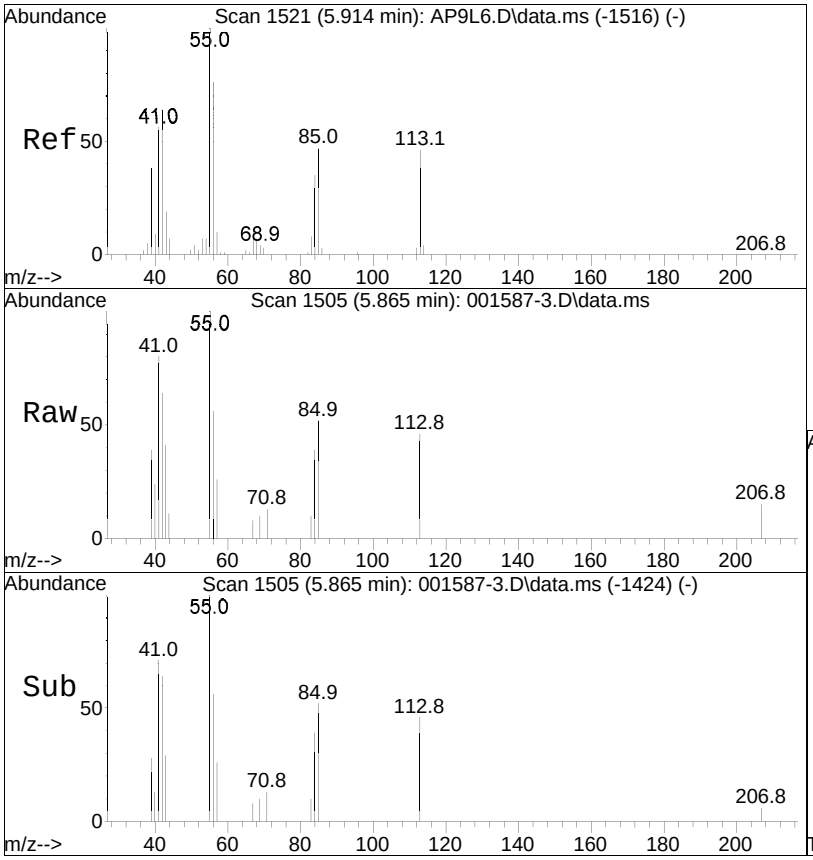


#55
2,6-Dinitrotoluene
Concen: 1.33 ug/ml
RT: 6.987 min Scan# 1866
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:165 Resp: 7094

Ion	Ratio	Lower	Upper
165	100		
89	57.0	54.2	81.2
63	54.2	64.2	96.2#

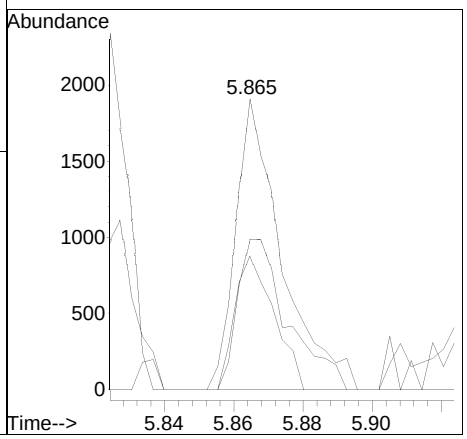


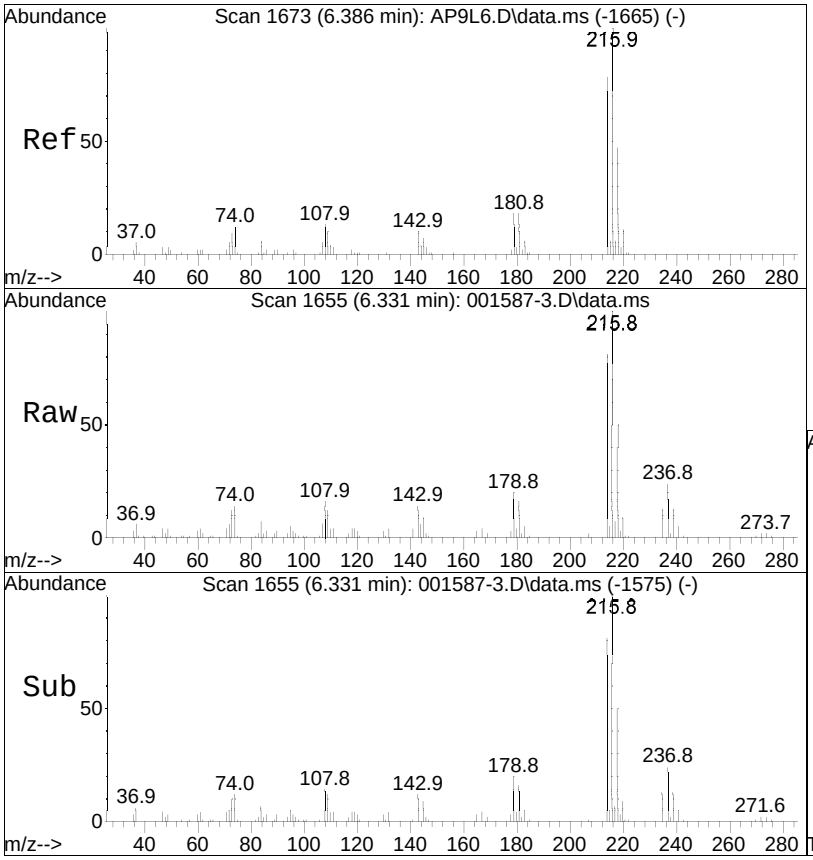


#62
Caprolactam
Concen: 0.50 ug/ml
RT: 5.865 min Scan# 1505
Delta R.T. 0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 55 Resp: 1766

Ion	Ratio	Lower	Upper
55	100		
85	56.4	19.8	29.6#
113	39.1	29.6	44.4

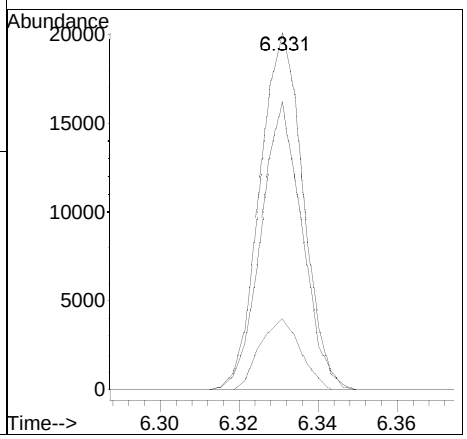


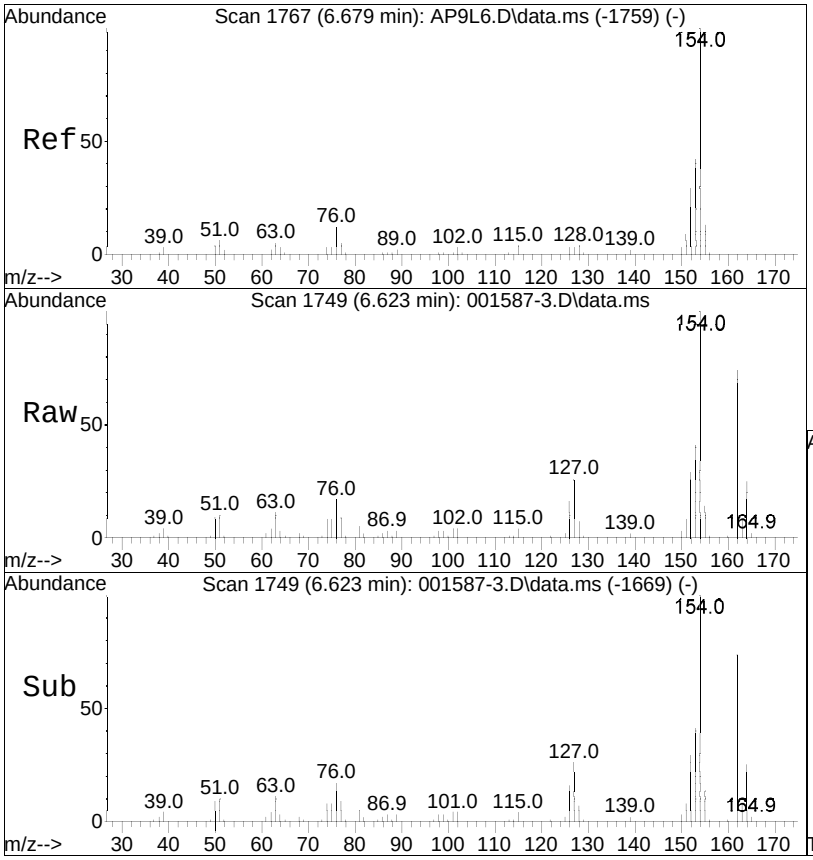


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.28 ug/ml
RT: 6.331 min Scan# 1655
Delta R.T. 0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:216 Resp: 15248

Ion	Ratio	Lower	Upper
216	100		
214	76.9	63.7	95.5
179	18.8	19.0	28.6#

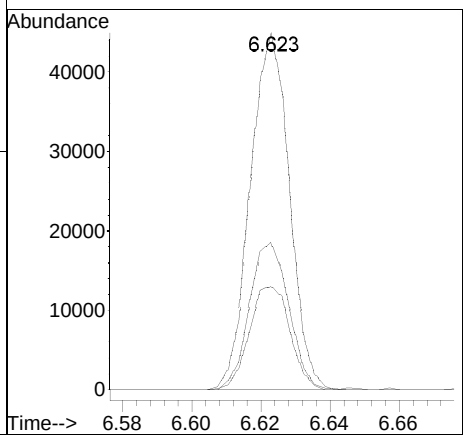


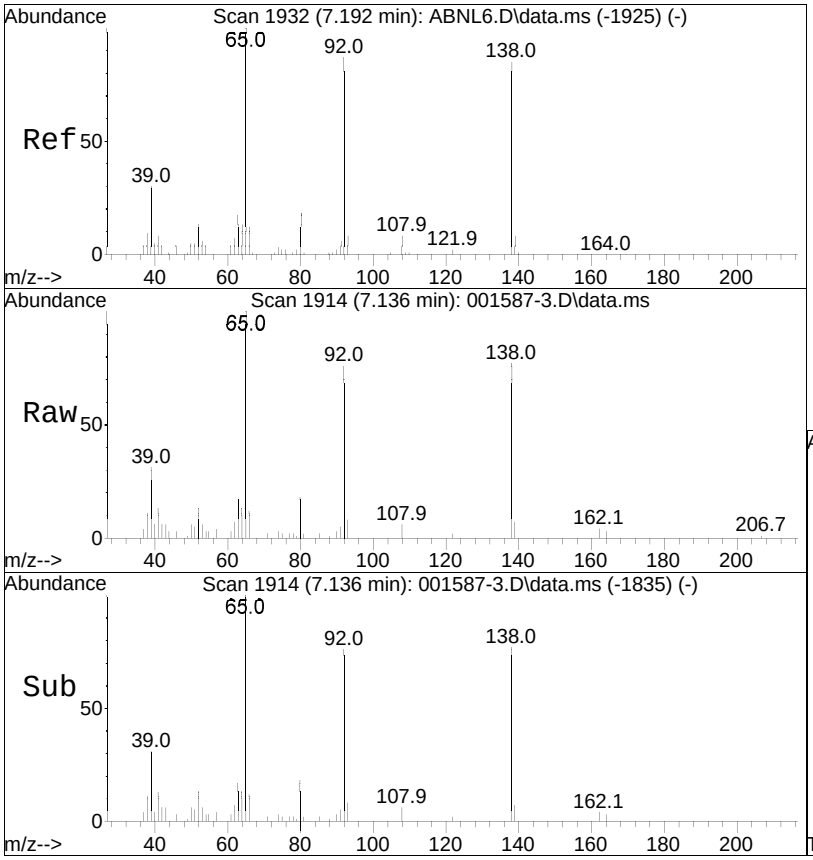


#64
Biphenyl
Concen: 1.45 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. 0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:154 Resp: 35097

Ion	Ratio	Lower	Upper
154	100		
153	41.7	32.3	48.5
152	30.2	22.5	33.7

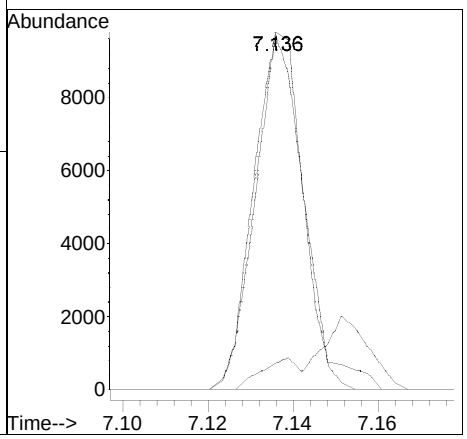


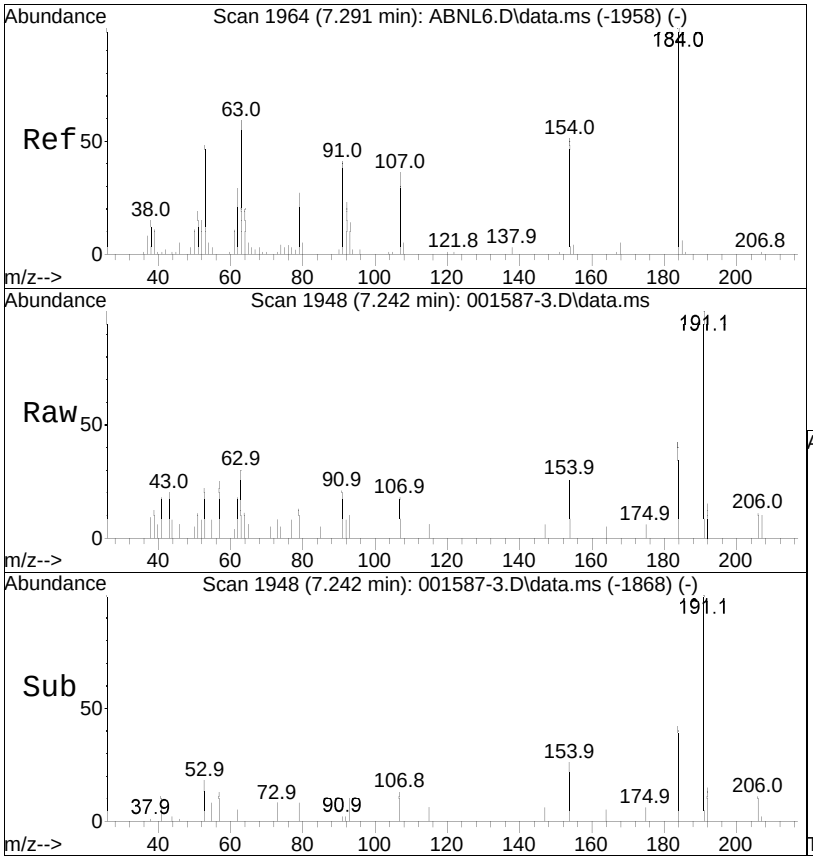


#66
3-Nitroaniline
Concen: 1.32 ug/ml
RT: 7.136 min Scan# 1914
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:138 Resp: 7635

Ion	Ratio	Lower	Upper
138	100		
92	103.4	93.4	140.2
108	26.7	9.5	14.3#

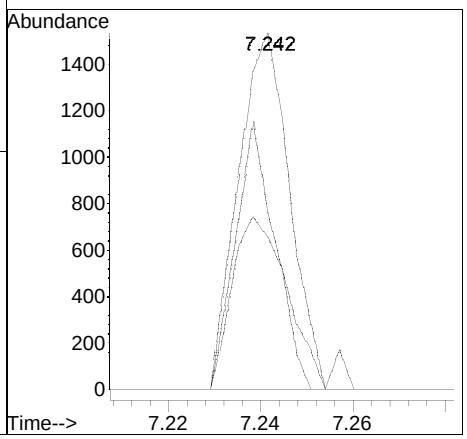


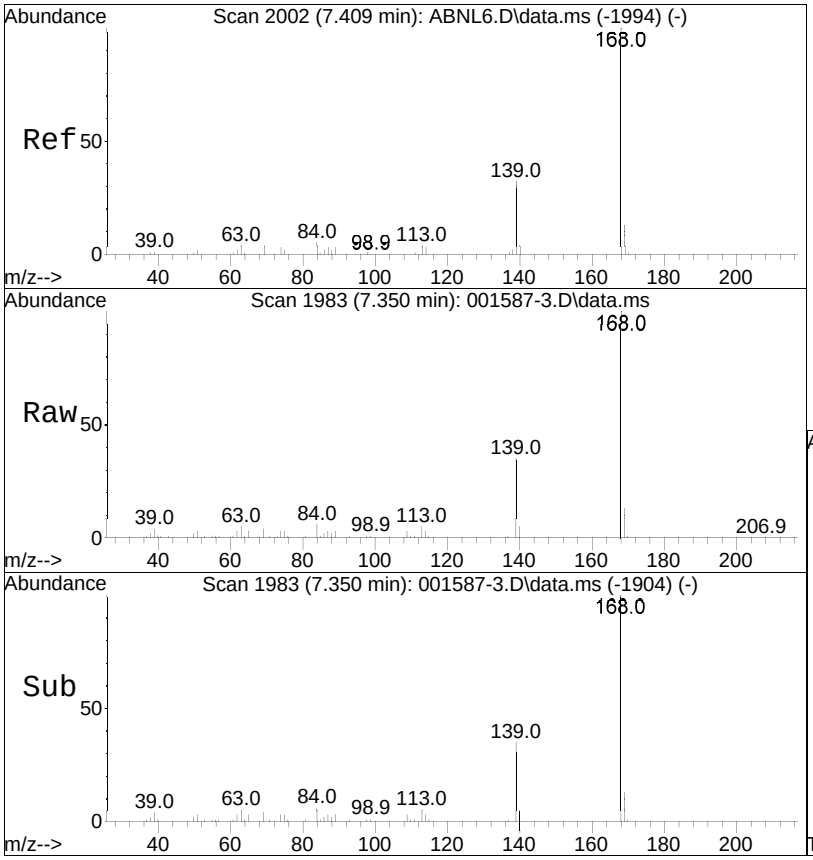


#68
2,4-Dinitrophenol
Concen: 0.34 ug/ml
RT: 7.242 min Scan# 1948
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:184 Resp: 1211

Ion	Ratio	Lower	Upper
184	100		
107	45.7	37.7	56.5
91	61.0	46.3	69.5

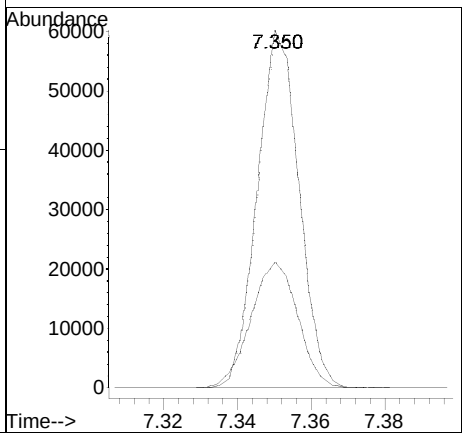


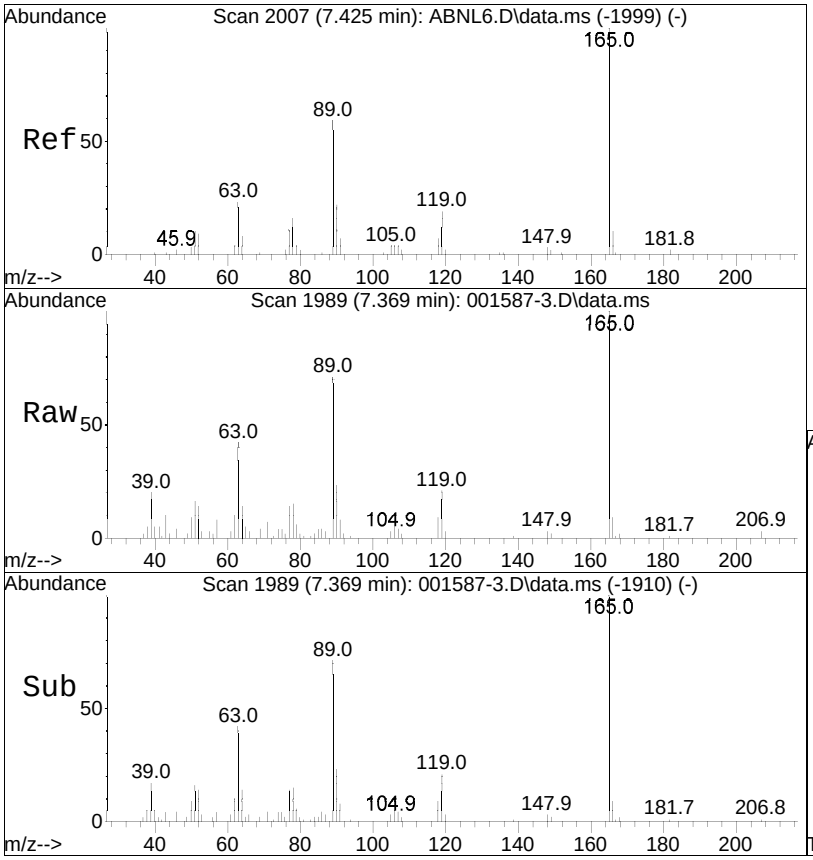


#69
Dibenzofuran
Concen: 1.24 ug/ml
RT: 7.350 min Scan# 1983
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:168 Resp: 46702

Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.4	47.2

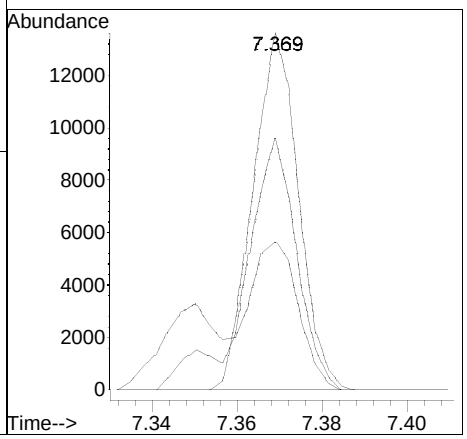


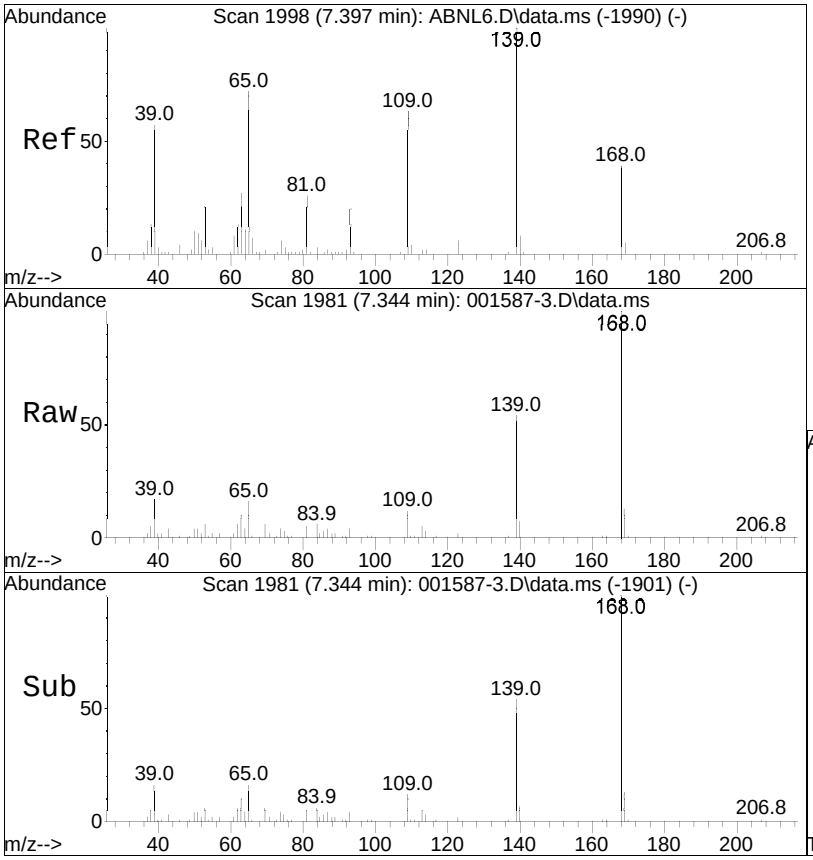


#70
2,4-Dinitrotoluene
Concen: 1.39 ug/ml
RT: 7.369 min Scan# 1989
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:165 Resp: 10094

Ion	Ratio	Lower	Upper
165	100		
89	80.3	72.0	108.0
63	46.0	52.7	79.1#

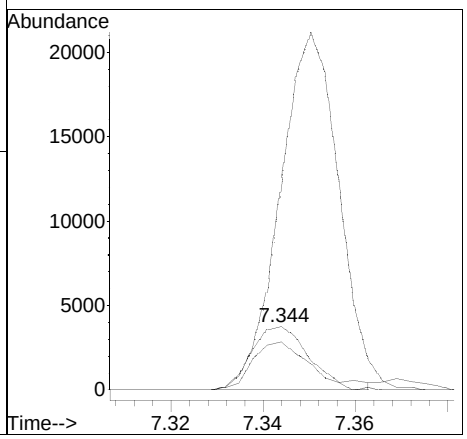


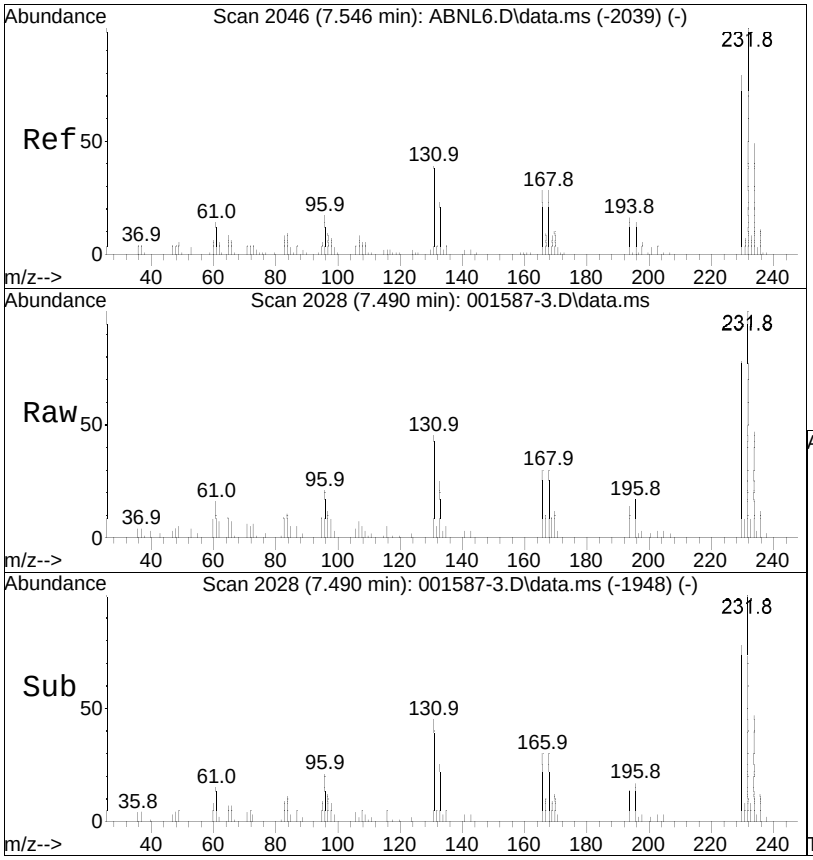


#71
4-Nitrophenol
Concen: 0.79 ug/ml
RT: 7.344 min Scan# 1981
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion: 65 Resp: 3404

Ion	Ratio	Lower	Upper
65	100		
109	71.2	47.4	71.2
139	548.7	76.6	115.0#

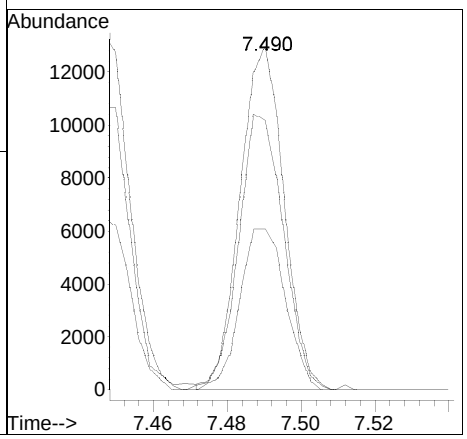


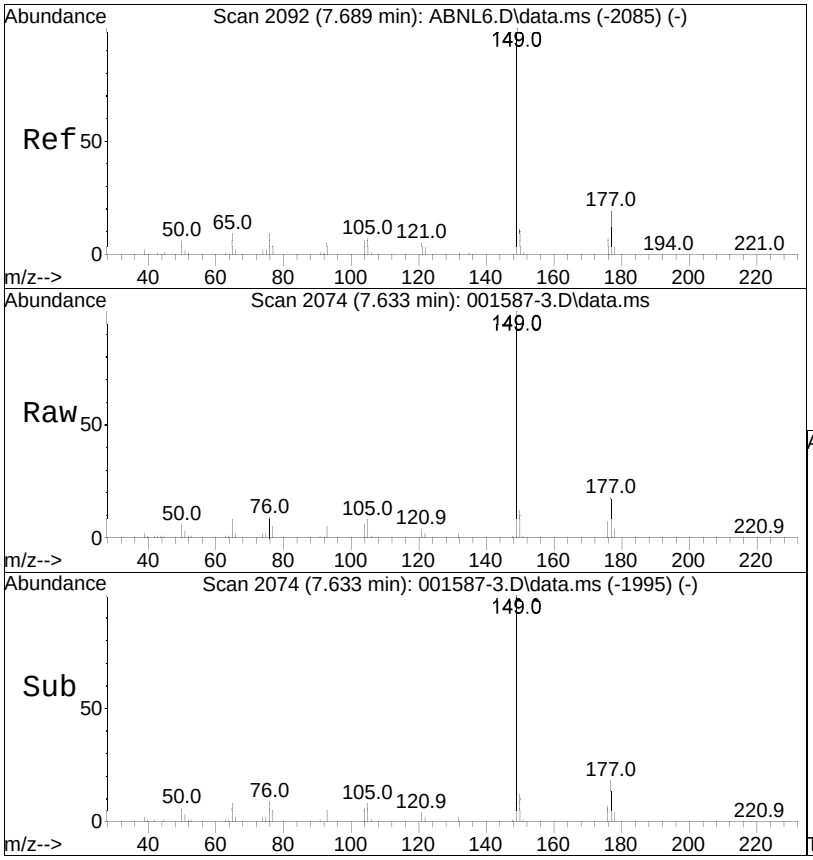


#73
2,3,4,6-Tetrachlorophenol
Concen: 1.34 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:232 Resp: 10772

Ion	Ratio	Lower	Upper
232	100		
230	81.6	61.8	92.8
234	48.8	36.2	54.2

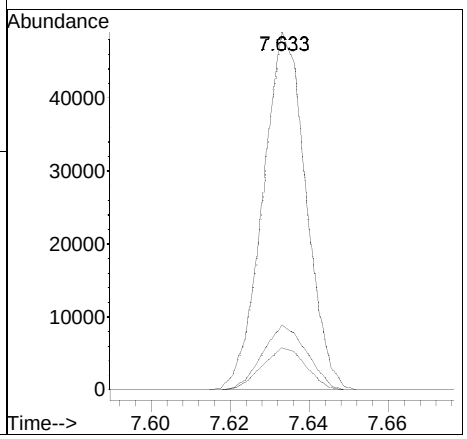


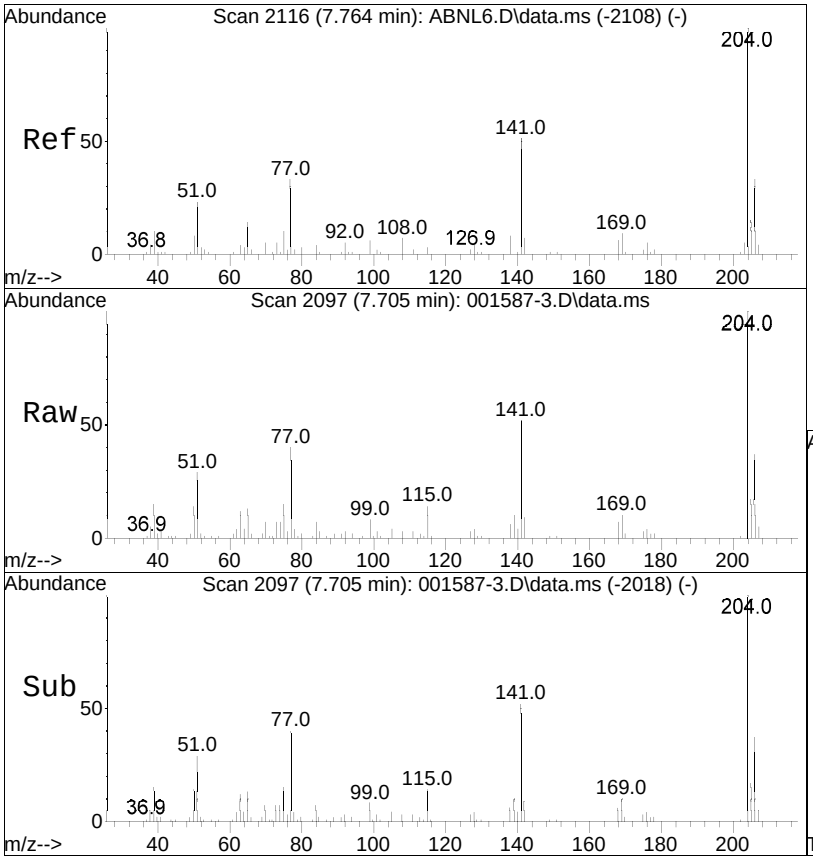


#74
Diethyl phthalate
Concen: 1.25 ug/ml
RT: 7.633 min Scan# 2074
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:149 Resp: 36786

Ion	Ratio	Lower	Upper
149	100		
177	18.8	16.1	24.1
150	12.1	9.4	14.2

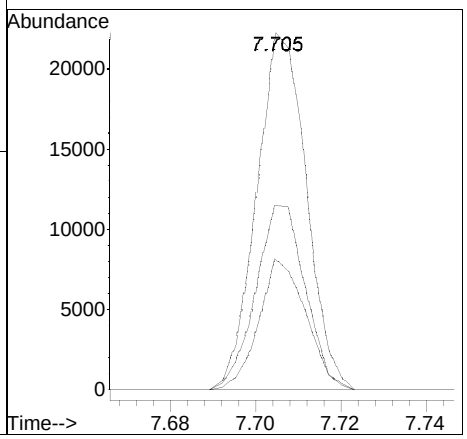


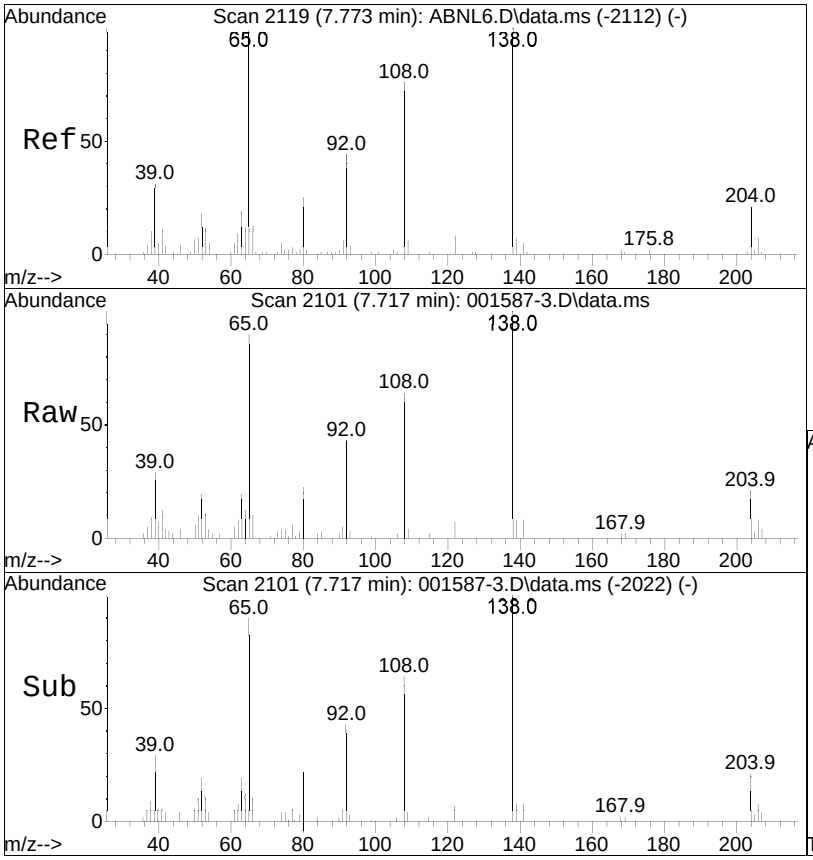


#76
4-Chlorophenyl phenyl ether
Concen: 1.21 ug/ml
RT: 7.705 min Scan# 2097
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:204 Resp: 17943

Ion	Ratio	Lower	Upper
204	100		
206	34.8	25.8	38.6
141	51.6	53.6	80.4#

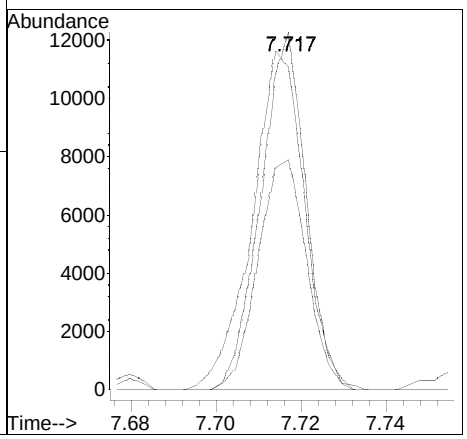


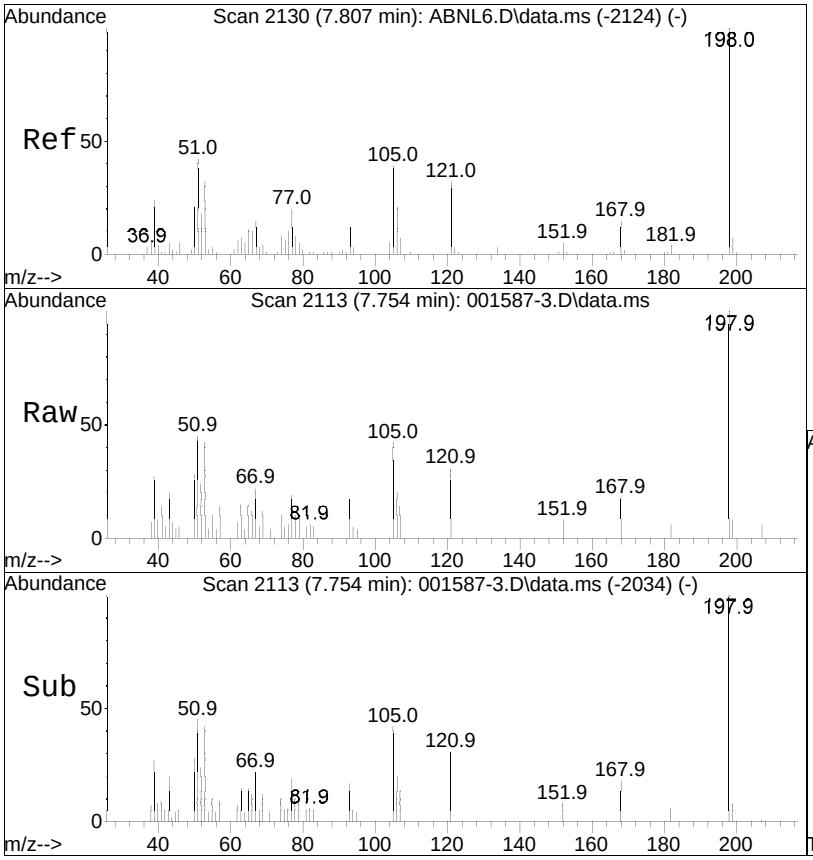


#77
4-Nitroaniline
Concen: 1.62 ug/ml
RT: 7.717 min Scan# 2101
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:138 Resp: 9039

Ion	Ratio	Lower	Upper
138	100		
108	69.3	52.1	78.1
65	109.4	115.0	172.6#

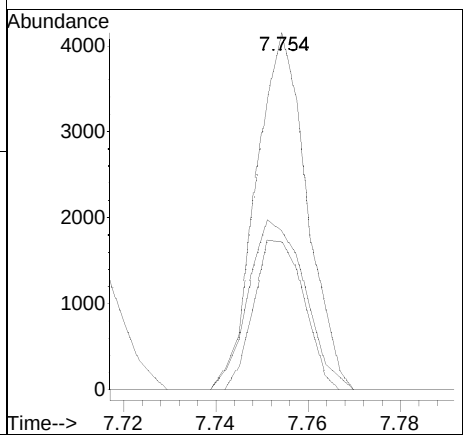


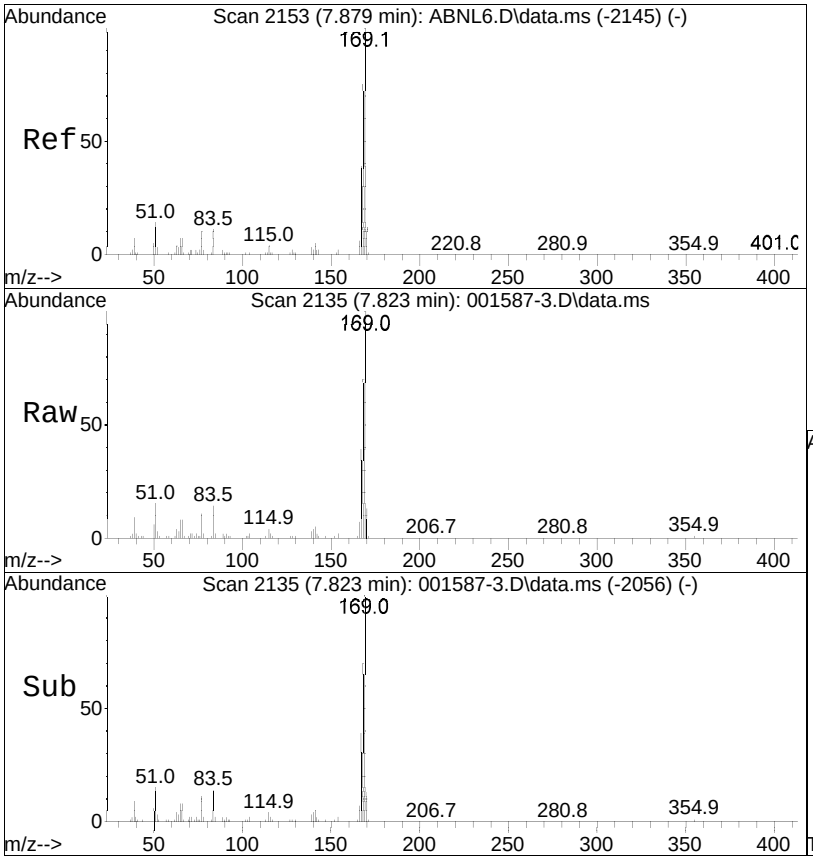


#78
4,6-Dinitro-o-cresol
Concen: 0.72 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:198 Resp: 3171

Ion	Ratio	Lower	Upper
198	100		
51	52.9	76.0	114.0#
105	41.5	45.6	68.4#

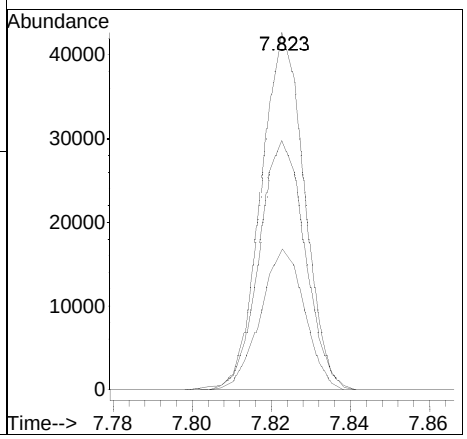


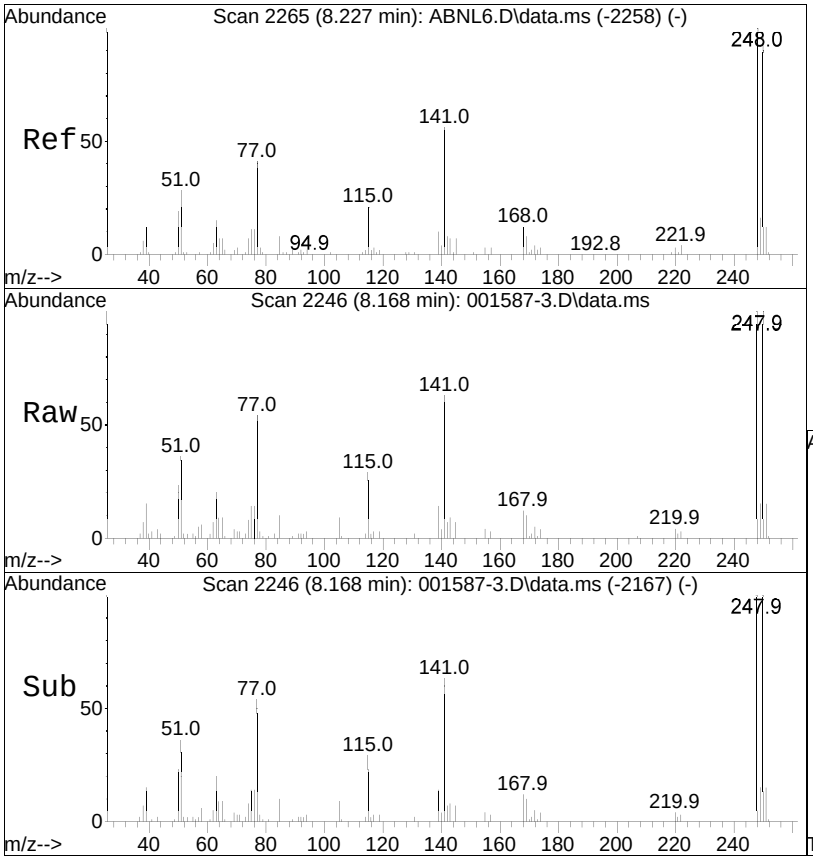


#79
NDPA/DPA
Concen: 1.29 ug/ml
RT: 7.823 min Scan# 2135
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:169 Resp: 32410

Ion	Ratio	Lower	Upper
169	100		
168	74.0	54.0	81.0
167	40.5	28.6	42.8

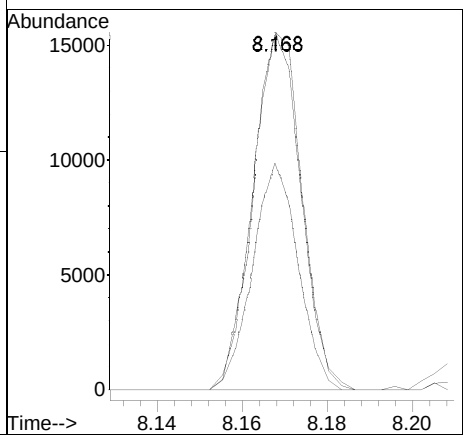


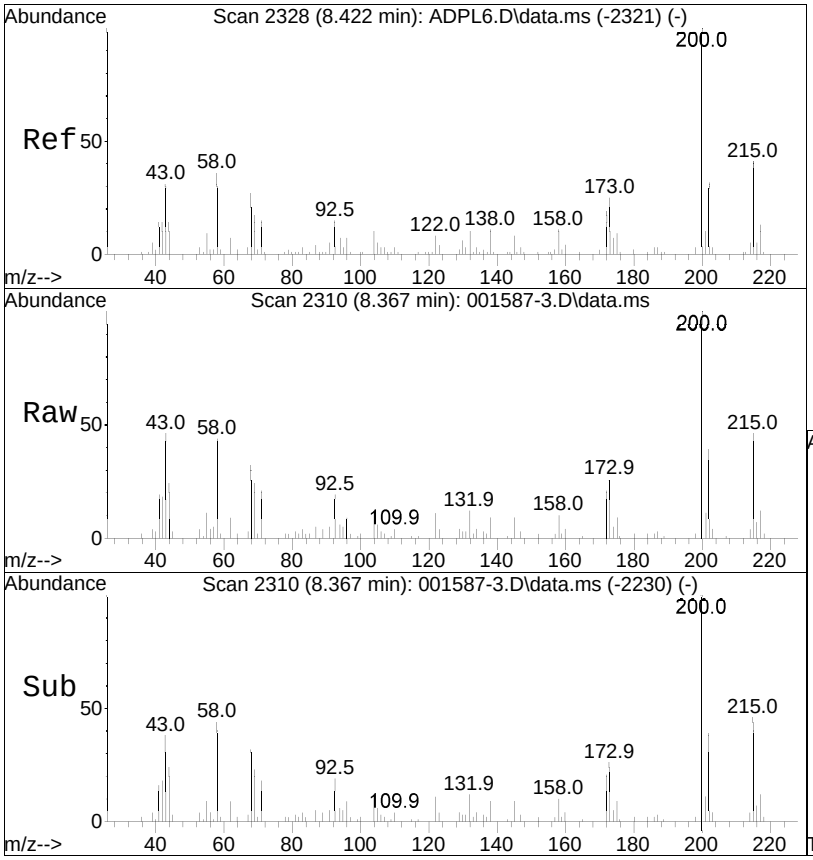


#82
4-Bromophenyl phenyl ether
Concen: 1.26 ug/ml
RT: 8.168 min Scan# 2246
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:248 Resp: 12347

Ion	Ratio	Lower	Upper
248	100		
141	59.2	76.6	114.8#
250	97.7	77.3	115.9

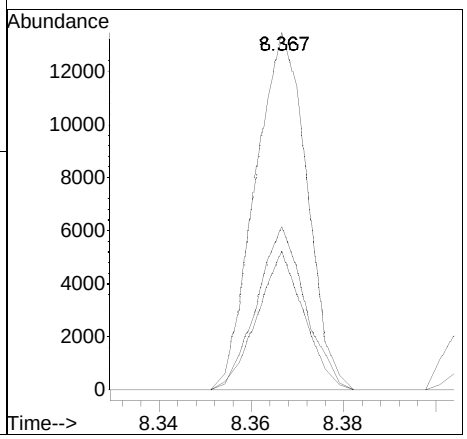


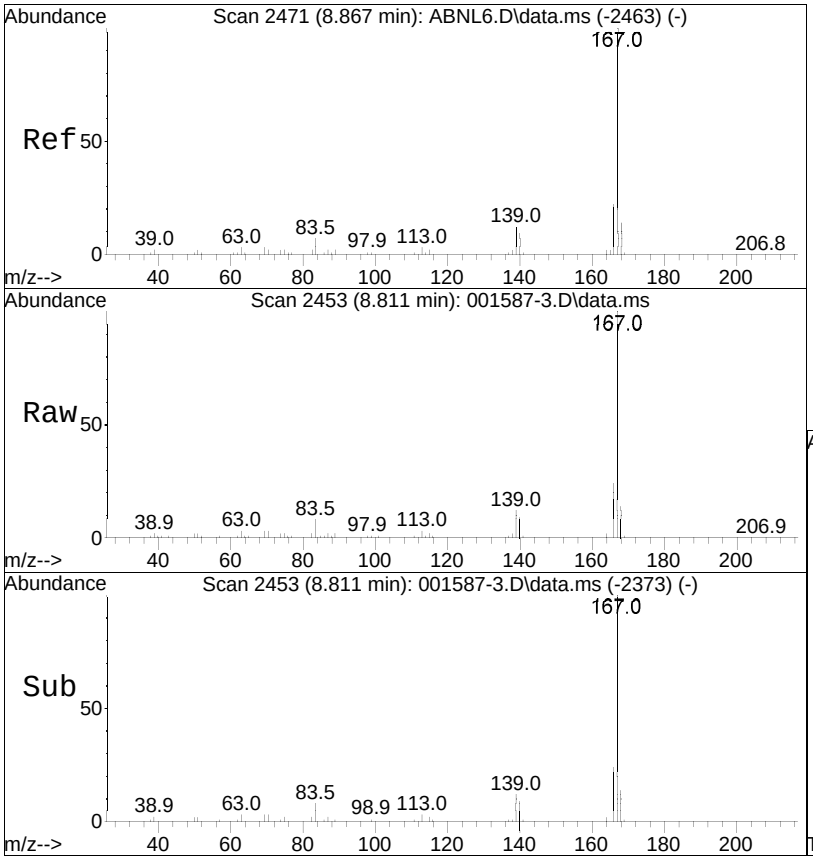


#89
Atrazine
Concen: 1.62 ug/ml
RT: 8.367 min Scan# 2310
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:200 Resp: 10413

Ion	Ratio	Lower	Upper
200	100		
202	35.2	25.8	38.6
215	42.8	40.2	60.4

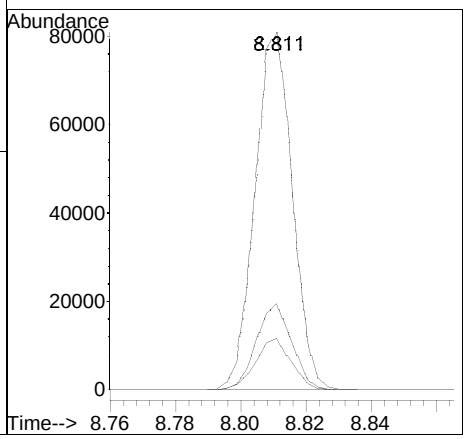


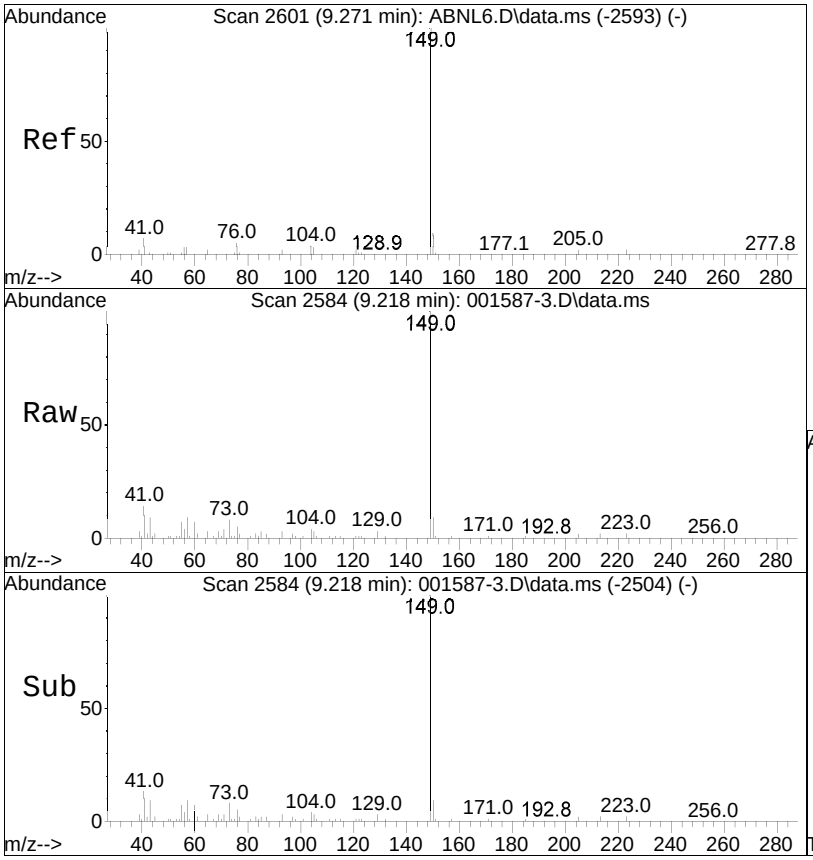


#93
Carbazole
Concen: 1.46 ug/ml
RT: 8.811 min Scan# 2453
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:167 Resp: 63986

Ion	Ratio	Lower	Upper
167	100		
168	13.9	10.6	15.8
166	22.9	17.4	26.0

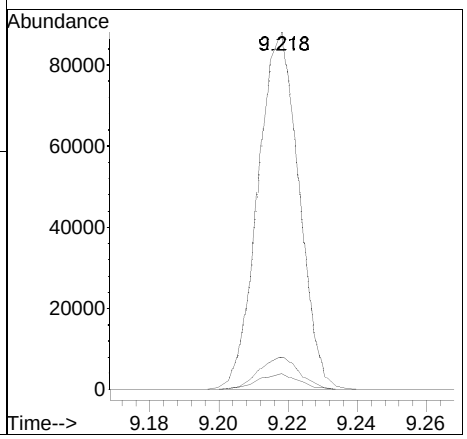


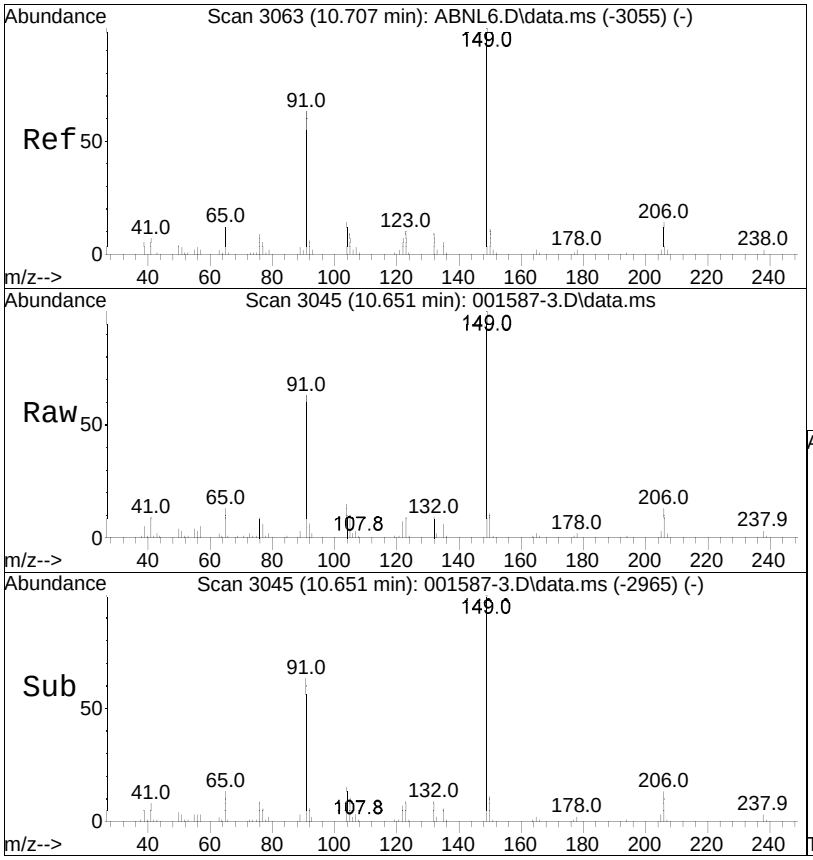


#94
Di-n-butylphthalate
Concen: 1.44 ug/ml
RT: 9.218 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:149 Resp: 71684

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.3	4.5	6.7#

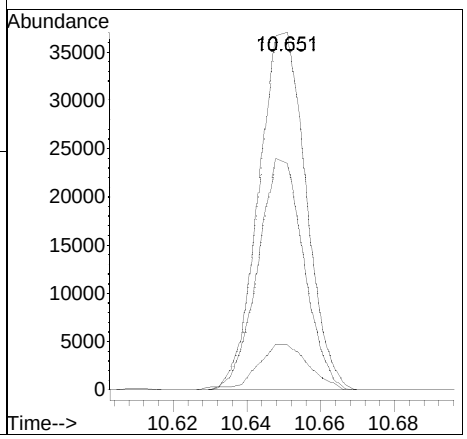


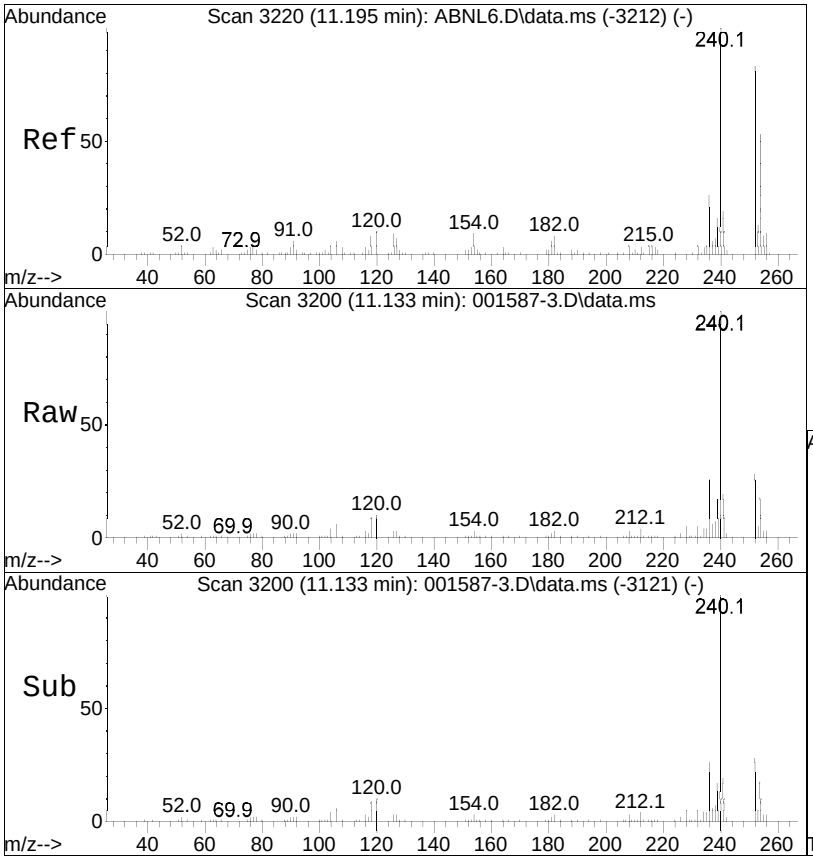


#99
Butyl benzyl phthalate
Concen: 1.54 ug/ml
RT: 10.651 min Scan# 3045
Delta R.T. -0.000 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:149 Resp: 32741

Ion	Ratio	Lower	Upper
149	100		
91	63.3	63.3	94.9#
206	13.9	13.9	20.9#

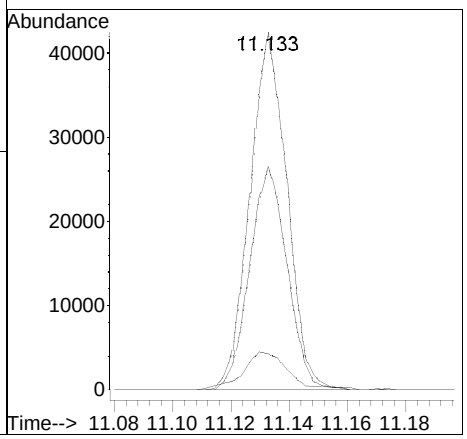


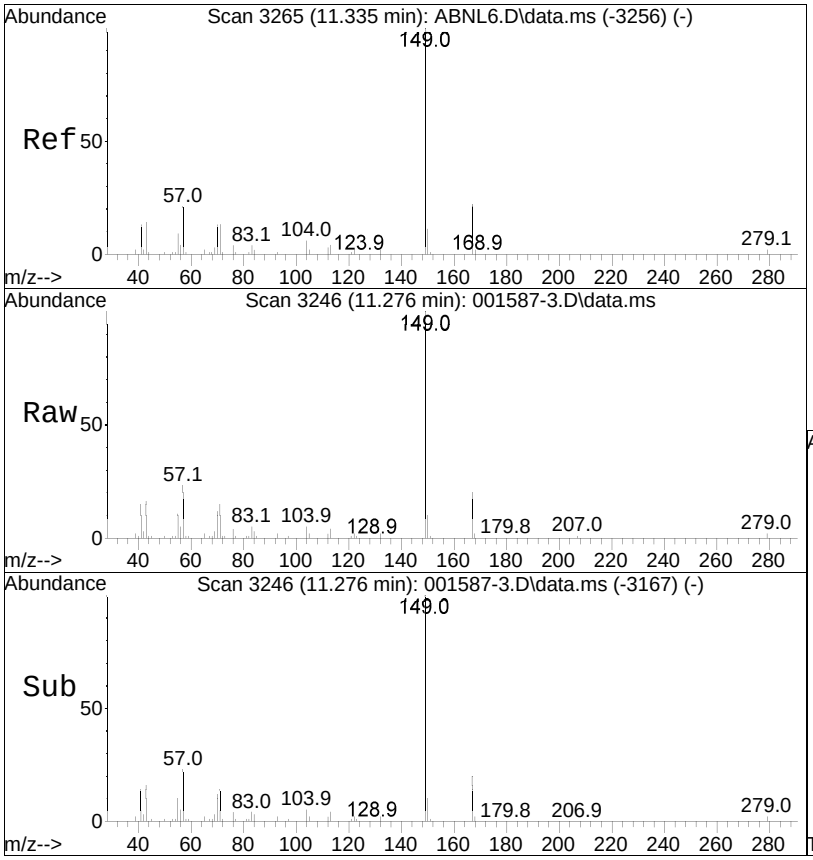


#108
3,3'-Dichlorobenzidine
Concen: 1.56 ug/ml
RT: 11.133 min Scan# 3200
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:252 Resp: 37087

Ion	Ratio	Lower	Upper
252	100		
126	12.9	14.5	21.7#
254	63.4	51.2	76.8

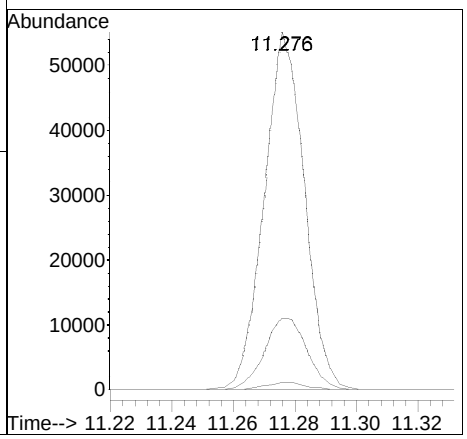


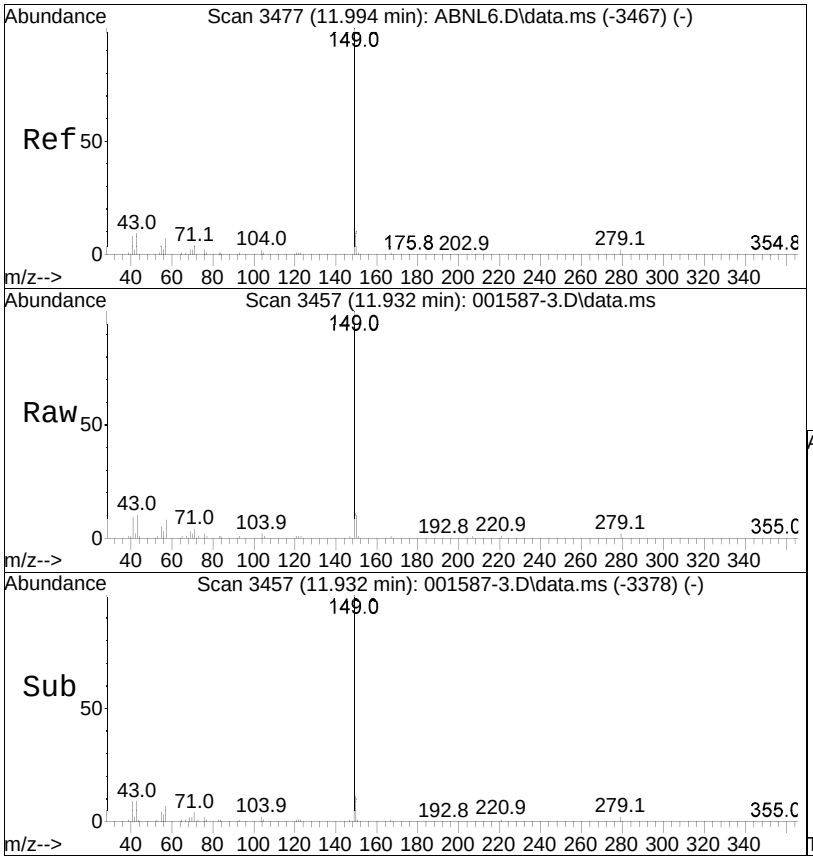


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.45 ug/ml
RT: 11.276 min Scan# 3246
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:149 Resp: 49512

Ion	Ratio	Lower	Upper
149	100		
167	21.2	22.1	33.1#
279	1.8	3.0	4.4#

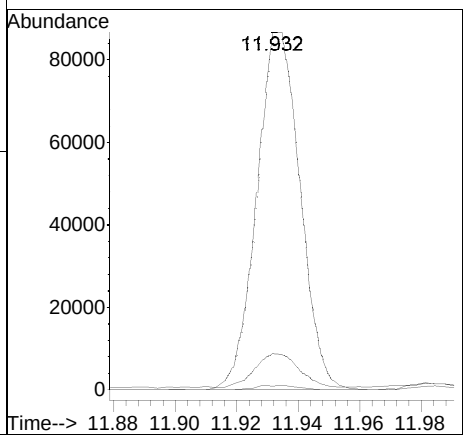




#111
Di-n-octylphthalate
Concen: 1.47 ug/ml
RT: 11.932 min Scan# 3457
Delta R.T. -0.003 min
Lab File: 001587-3.D
Acq: 25 Nov 2024 11:07 pm

Tgt Ion:149 Resp: 84001

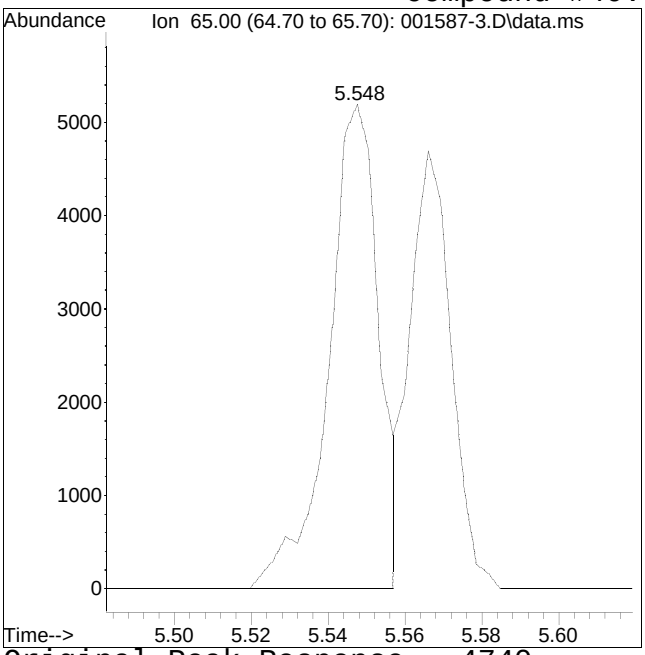
Ion	Ratio	Lower	Upper
149	100		
43	9.6	18.8	28.2#
167	1.3	1.3	1.9#

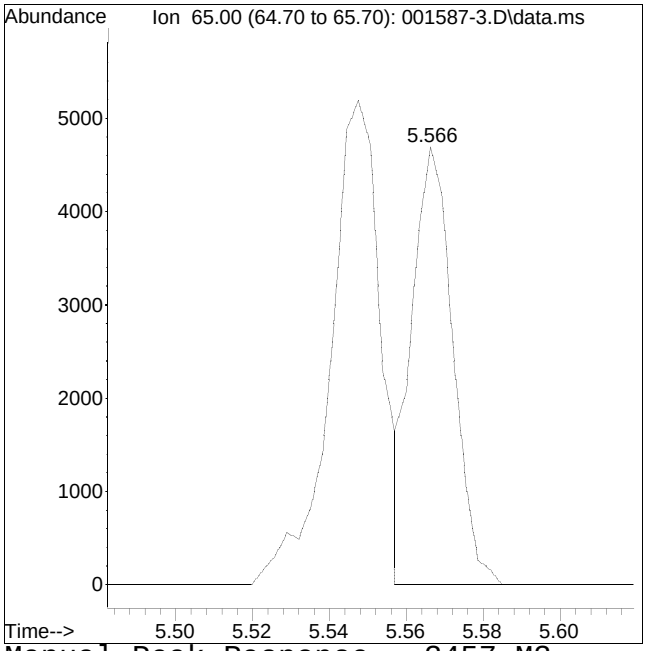


Manual Integration Report

Data Path : I:\8270\Dakota\241125NRVT\QMethod : FS241105RVT_Dakota.m
Data File : 001587-3.D Operator : Dakota:smz
Date Inj'd : 11/25/2024 11:07 pm Instrument : Dakota
Sample : WG2001587-3,32,,ASK Quant Date : 11/25/2024 11:25 pm

Compound #40: 4-Chloroaniline





Original Peak Response = 4740 Manual Peak Response = 3457 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\SV112\241124RVT\
Data File : 001353-4.D
Acq On : 24 Nov 2024 05:21 pm
Operator : SV112:smz
Sample : WG2001353-4,32,,cmm
Misc : wg2001737,WG2001353,ical21241
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 13:59:32 2024
Quant Method : I:\8270\SV112\241124RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 15:06:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241124RVT\ABN1124a.D
: 2 - I:\8270\SV112\241124RVT\ADP1124.D
: 3 - I:\8270\SV112\241124RVT\AP91124.D
Sub List : PAHs+Carb+Dibenzof+bis - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.740	152	18930	4.000	ug/ml	0.00
Standard Area 1 = 18083			Recovery = 104.68%			
35) IS1_Naphthalene-d8	5.969	136	69506	4.000	ug/ml	# 0.00
Standard Area 1 = 70788			Recovery = 98.19%			
63) IS1_Acenaphthene-d10	7.675	164	48722	4.000	ug/ml	0.00
Standard Area 1 = 49737			Recovery = 97.96%			
88) IS1_Phenanthrene-d10	9.098	188	109056	4.000	ug/ml	# 0.00
Standard Area 1 = 112153			Recovery = 97.24%			
104) IS1_Chrysene-d12	11.728	240	129927	4.000	ug/ml	# 0.00
Standard Area 1 = 134907			Recovery = 96.31%			
113) IS1_Perylene-d12	13.192	264	144181	4.000	ug/ml	0.00
Standard Area 1 = 149004			Recovery = 96.76%			
System Monitoring Compounds						
19) Nitrobenzene-d5	5.281	82	3077	0.502	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 50.20%			
46) 2-Fluorobiphenyl	7.040	172	10135	0.645	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.50%			
96) 4-Terphenyl-d14	10.675	244	23039	0.821	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.10%			
Target Compounds						Qvalue
36) Naphthalene	5.993	128	49402	2.711	ug/ml#	95
41) 2-Methylnaphthalene	6.669	142	39515	3.189	ug/ml	98
42) 1-Methylnaphthalene	6.763	115	12011	2.818	ug/ml	95
47) 2-Chloronaphthalene	7.134	162	16845	1.278	ug/ml	97
52) Acenaphthylene	7.534	152	26303	1.352	ug/ml	99
65) Acenaphthene	7.704	154	17029	1.254	ug/ml	98
67) Dibenzofuran	7.869	168	28258	1.263	ug/ml	94
73) Fluorene	8.204	166	24507	1.406	ug/ml	97
89) Phenanthrene	9.122	178	44448	1.541	ug/ml	99
90) Anthracene	9.169	178	42480	1.505	ug/ml	100
91) Carbazole	9.340	167	42174	1.632	ug/ml	99
93) Fluoranthene	10.275	202	55481	1.657	ug/ml#	92
95) Pyrene	10.487	202	61196	1.725	ug/ml	99
105) Benzo(a)anthracene	11.722	228	63742	1.528	ug/ml	97
107) Chrysene	11.757	228	60893	1.489	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241124RVT\
Data File : 001353-4.D
Acq On : 24 Nov 2024 05:21 pm
Operator : SV112:smz
Sample : WG2001353-4,32,,cmm
Misc : wg2001737,WG2001353,ical21241
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 13:59:32 2024
Quant Method : I:\8270\SV112\241124RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 15:06:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241124RVT\ABN1124a.D
: 2 - I:\8270\SV112\241124RVT\ADP1124.D
: 3 - I:\8270\SV112\241124RVT\AP91124.D
Sub List : PAHs+Carb+Dibenzof+bis - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108)	Bis(2-ethylhexyl)phtha...	11.828	149	39275	1.893	ug/ml#	96
110)	Benzo(b)fluoranthene	12.822	252	69535	1.625	ug/ml#	92
111)	Benzo(k)fluoranthene	12.851	252	55516M3	1.421	ug/ml	
112)	Benzo(a)pyrene	13.139	252	59159M3	1.585	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	14.175	276	66519M6	1.650	ug/mL	
115)	Dibenzo(a,h)anthracene	14.198	278	60143	1.562	ug/ml#	89
116)	Benzo(ghi)perylene	14.428	276	58144	1.497	ug/ml#	90

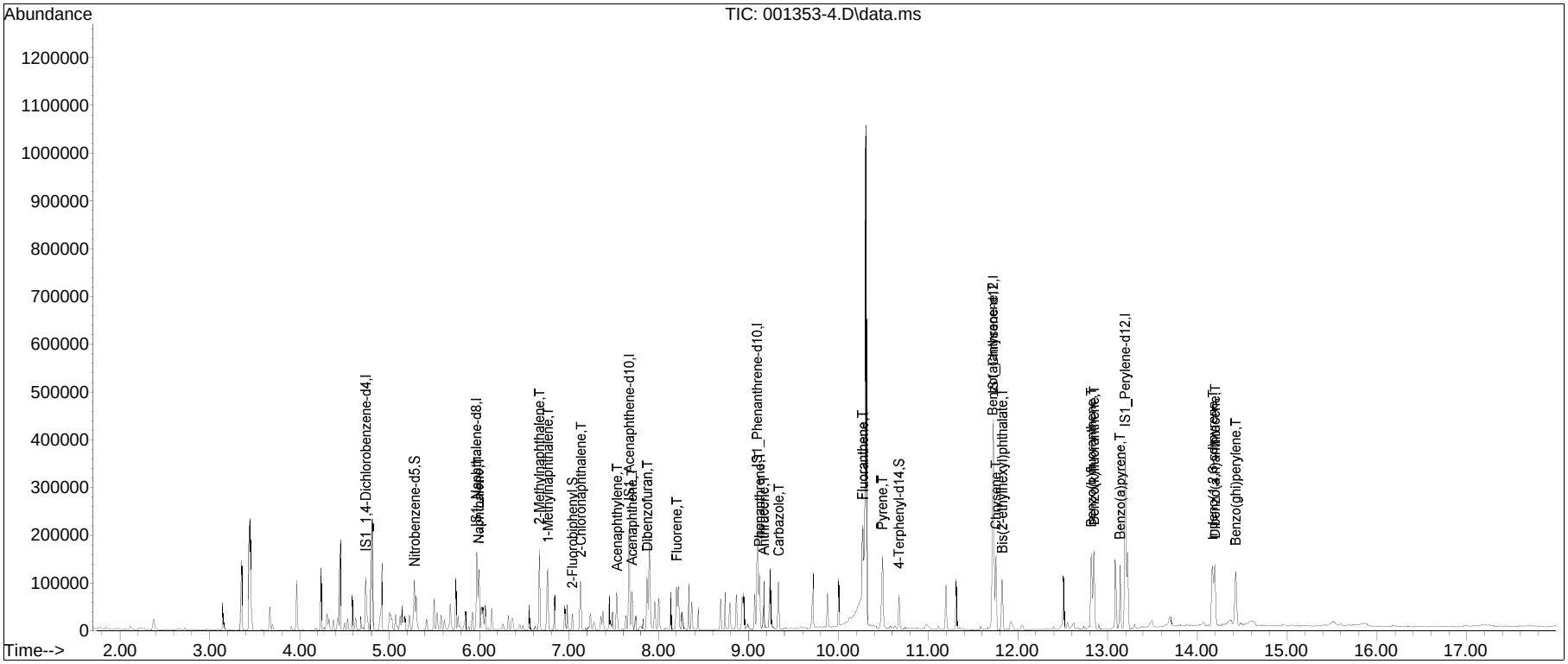
(#) = qualifier out of range (m) = manual integration (+) = signals summed

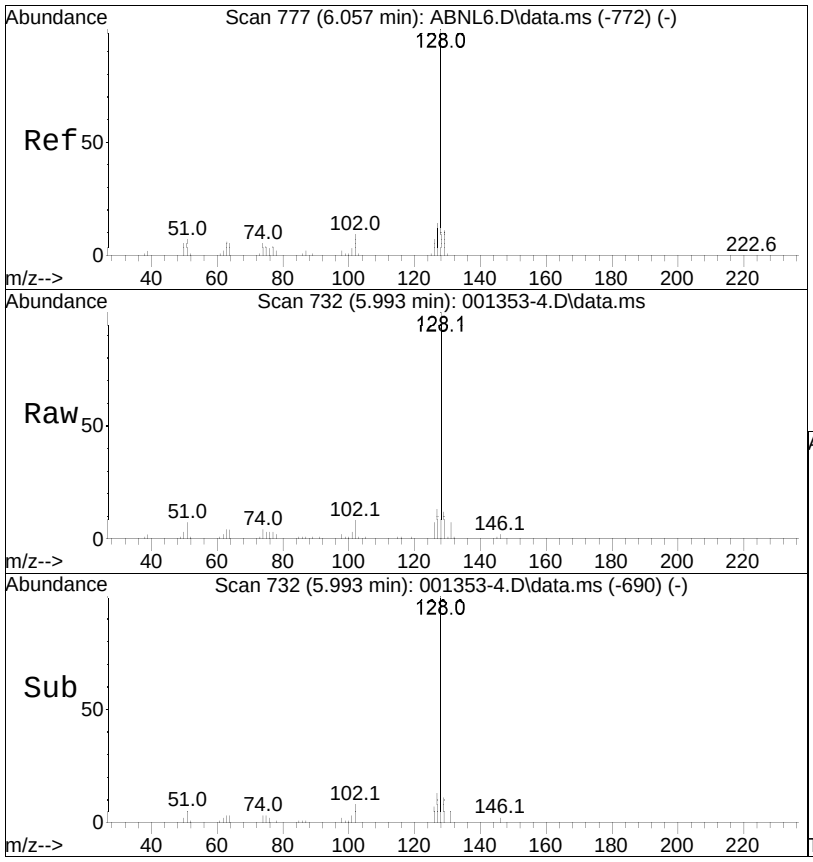
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241124RVT\
Data File : 001353-4.D
Acq On : 24 Nov 2024 05:21 pm
Operator : SV112:smz
Sample : WG2001353-4,32,,cmm
Misc : wg2001737,WG2001353,ical21241
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 25 13:59:32 2024
Quant Method : I:\8270\SV112\241124RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 15:06:41 2024
Response via : Initial Calibration

Sub List : PAHs+Carb+Dibenzof+bis - TCL/CT/MA4.D••

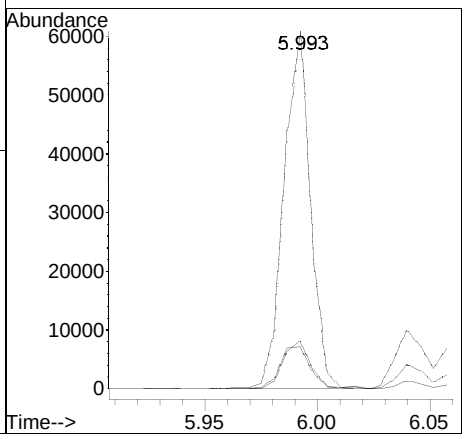


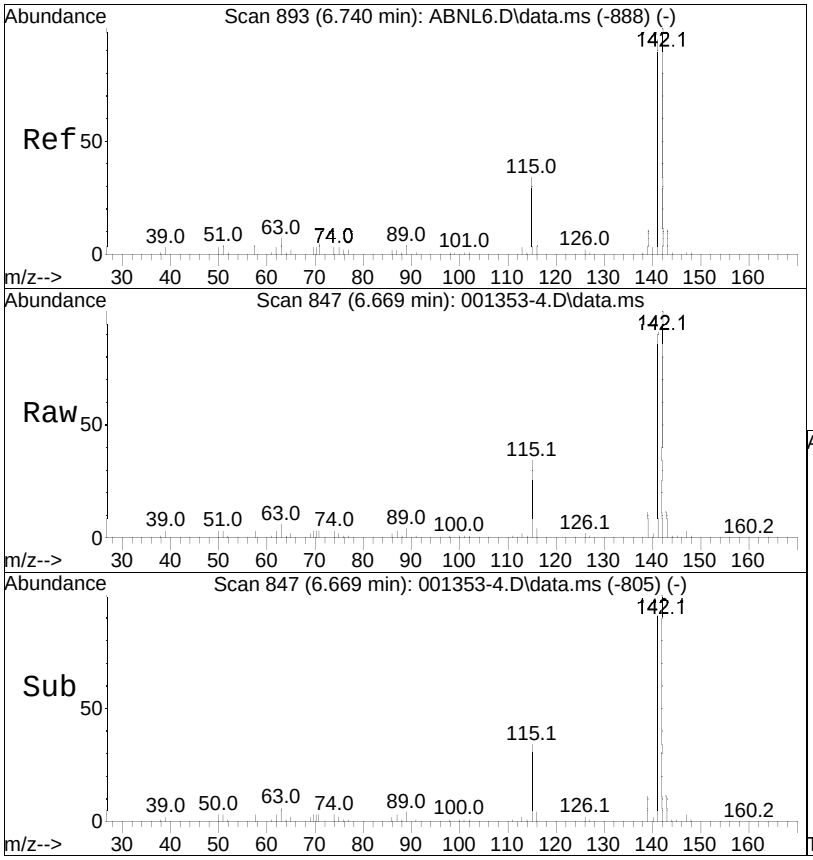


#36
Naphthalene
Concen: 2.71 ug/ml
RT: 5.993 min Scan# 732
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:128 Resp: 49402

Ion	Ratio	Lower	Upper
128	100		
129	14.7	8.9	13.3#
127	14.0	10.6	15.8

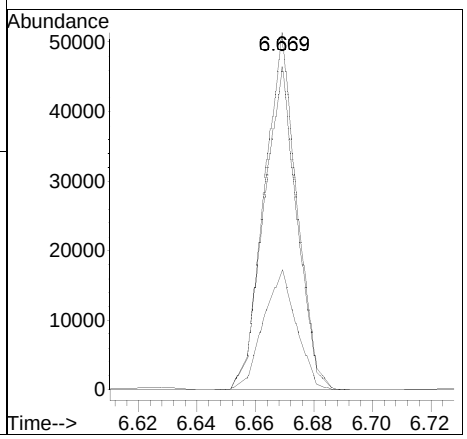


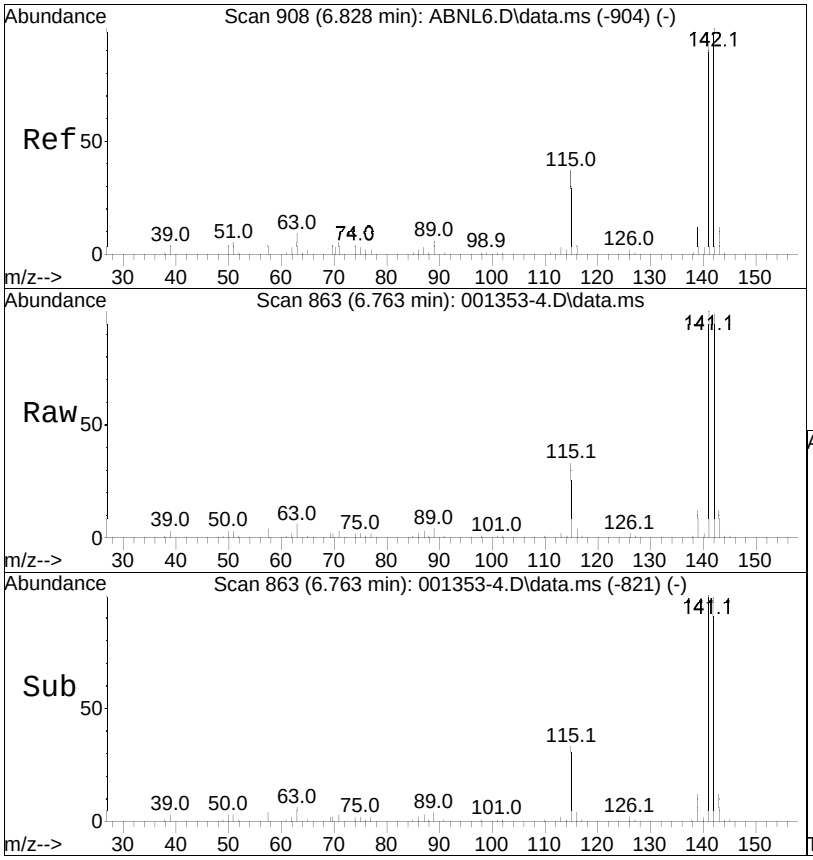


#41
2-Methylnaphthalene
Concen: 3.19 ug/ml
RT: 6.669 min Scan# 847
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:142 Resp: 39515

Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.2	108.4
115	34.4	27.8	41.6

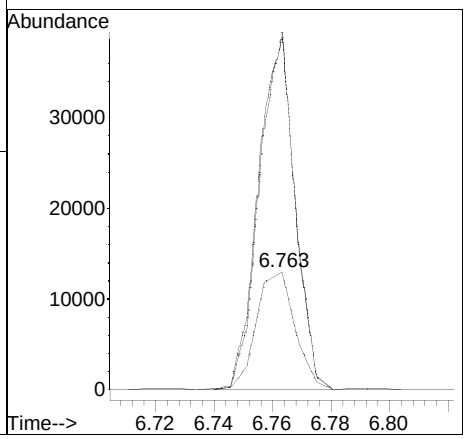


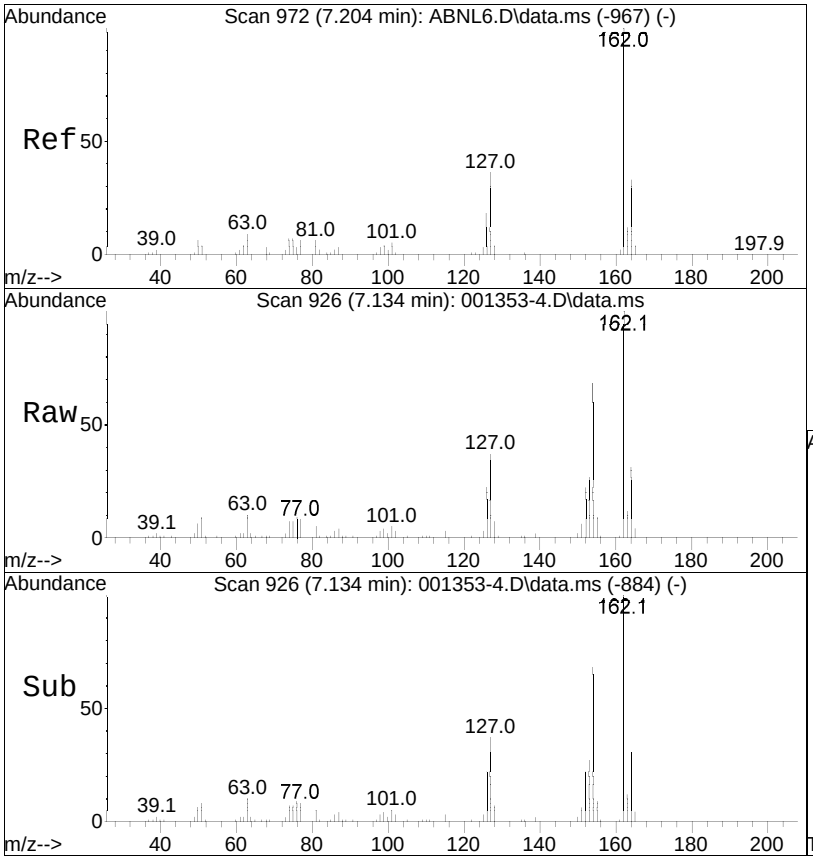


#42
1-Methylnaphthalene
Concen: 2.82 ug/ml
RT: 6.763 min Scan# 863
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:115 Resp: 12011

Ion	Ratio	Lower	Upper
115	100		
141	270.7	205.4	308.2
142	278.6	220.2	330.4

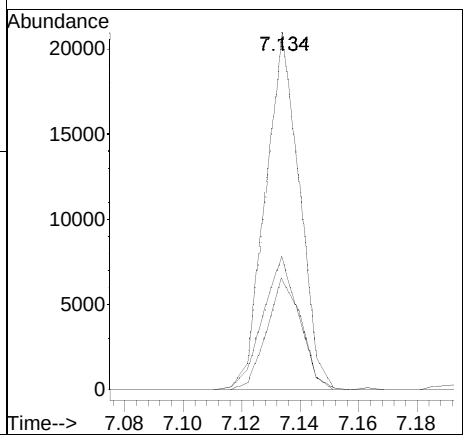


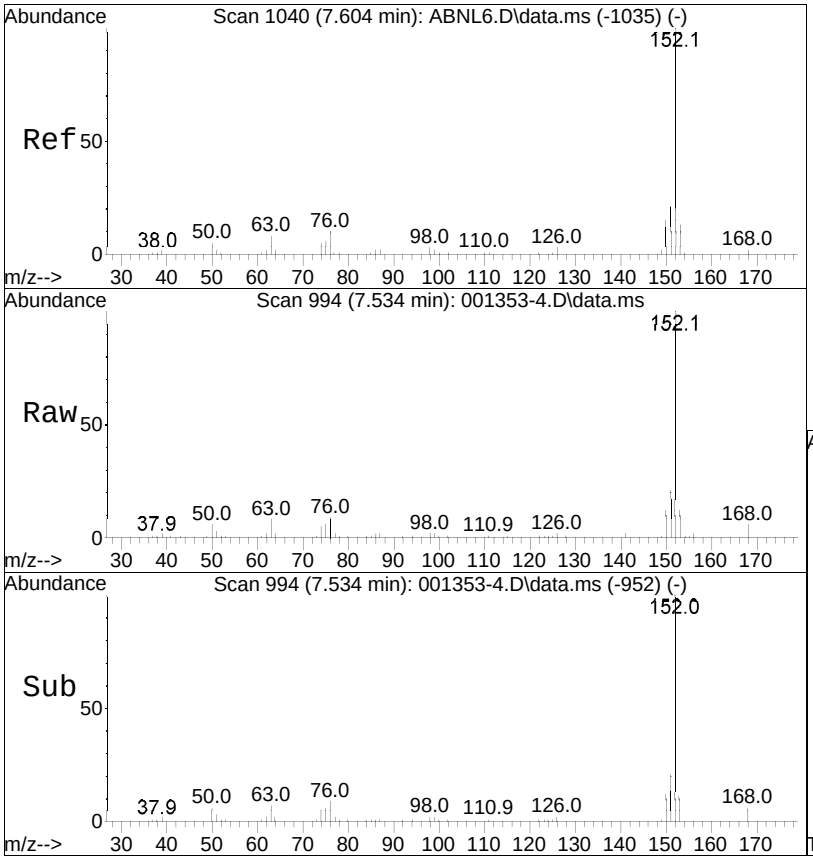


#47
2-Chloronaphthalene
Concen: 1.28 ug/ml
RT: 7.134 min Scan# 926
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:162 Resp: 16845

Ion	Ratio	Lower	Upper
162	100		
127	39.4	33.8	50.6
164	32.6	25.8	38.6

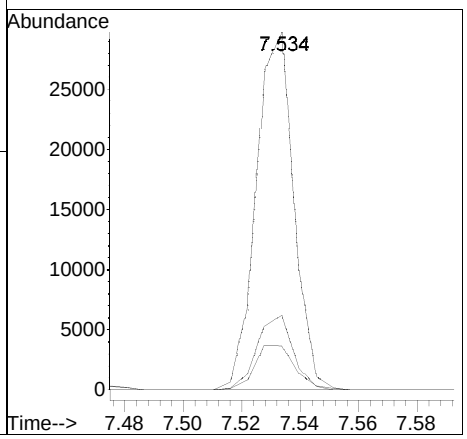


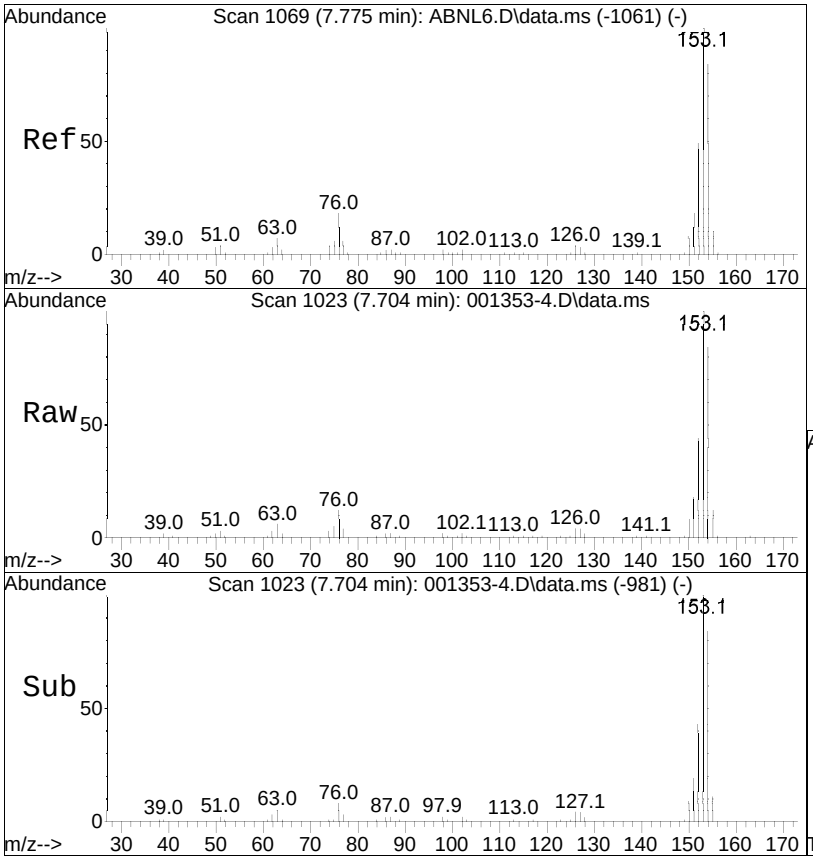


#52
Acenaphthylene
Concen: 1.35 ug/ml
RT: 7.534 min Scan# 994
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:152 Resp: 26303

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	13.7	10.5	15.7

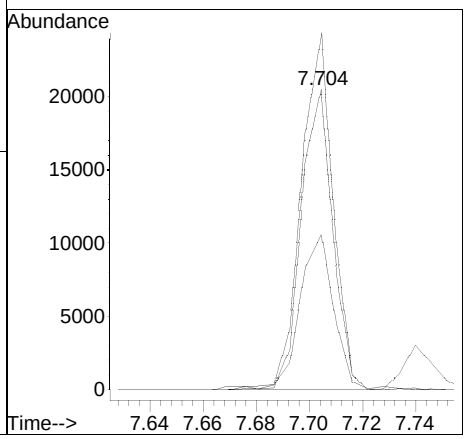


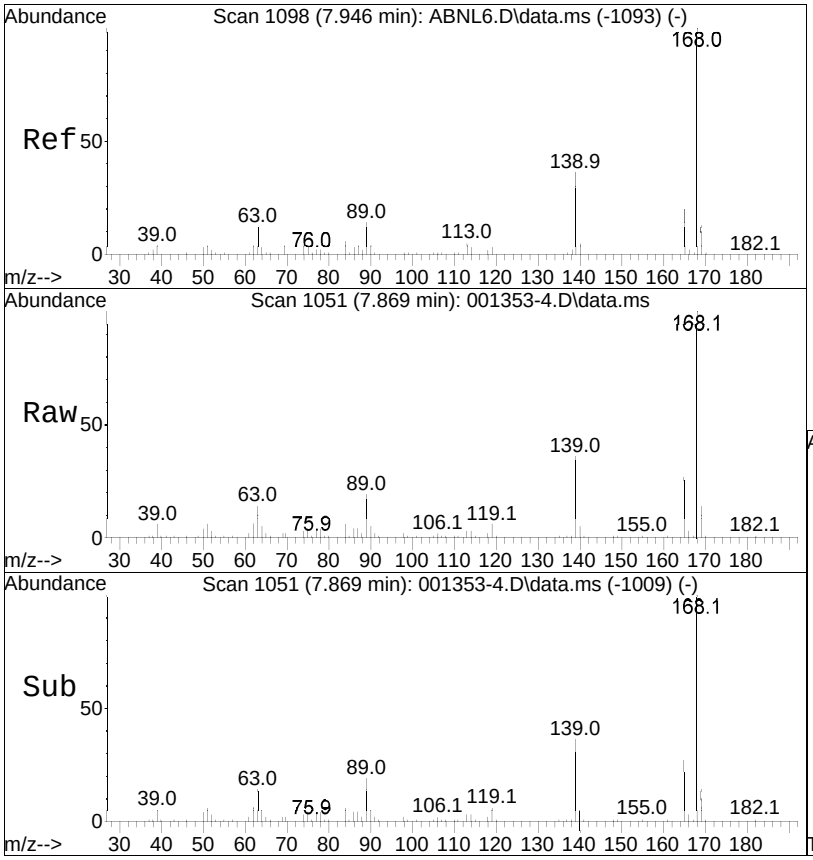


#65
Acenaphthene
Concen: 1.25 ug/ml
RT: 7.704 min Scan# 1023
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:154 Resp: 17029

Ion	Ratio	Lower	Upper
154	100		
153	118.0	93.0	139.4
152	56.4	43.3	64.9

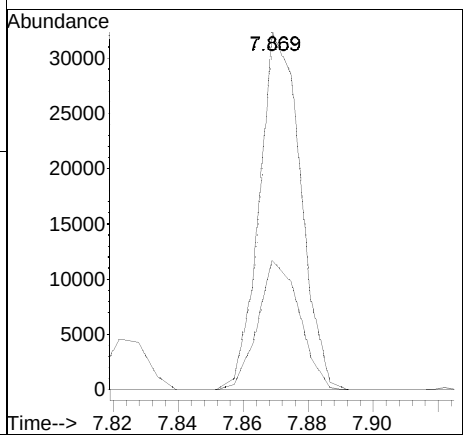


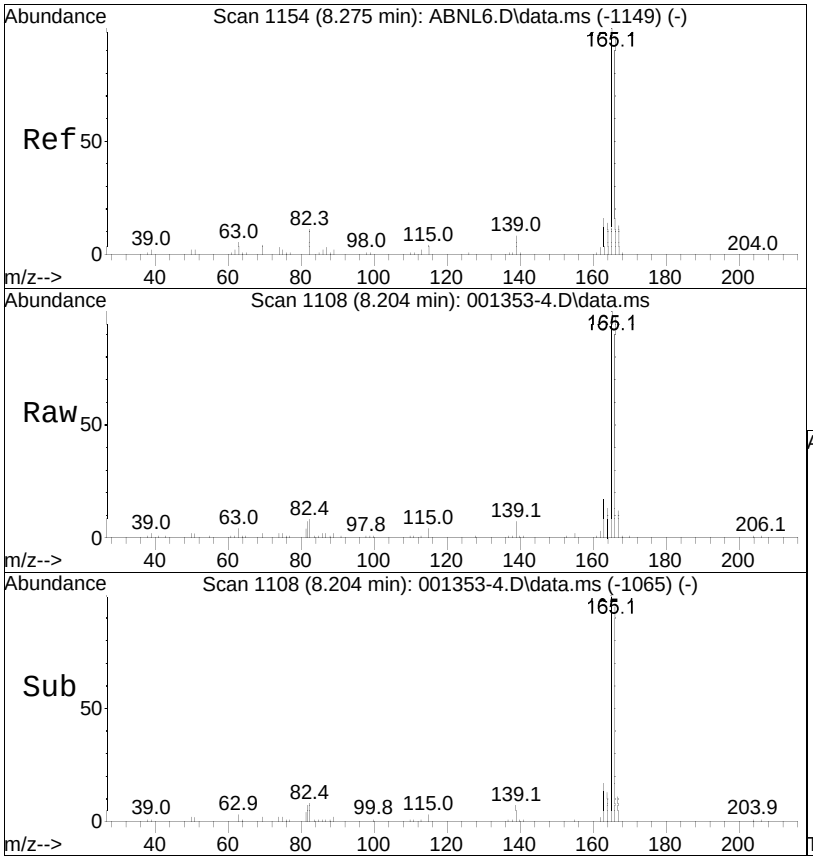


#67
Dibenzofuran
Concen: 1.26 ug/ml
RT: 7.869 min Scan# 1051
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:168 Resp: 28258

Ion	Ratio	Lower	Upper
168	100		
139	36.8	32.3	48.5

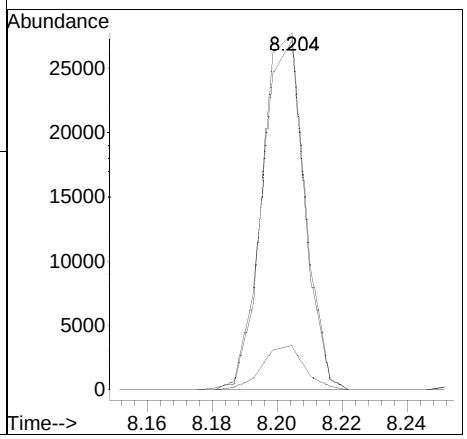


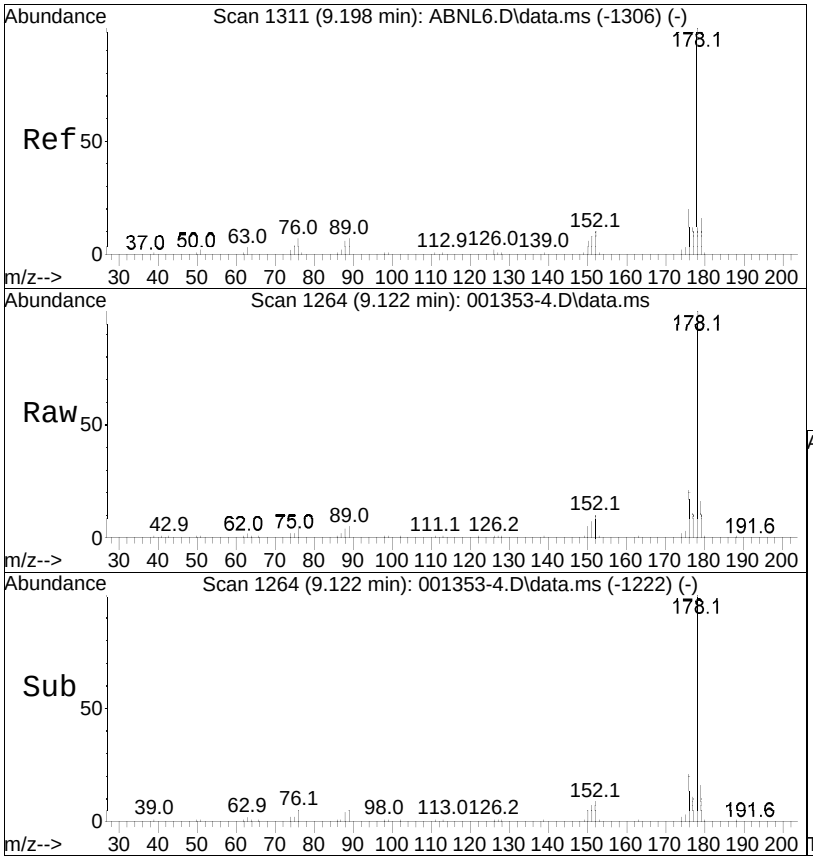


#73
Fluorene
Concen: 1.41 ug/ml
RT: 8.204 min Scan# 1108
Delta R.T. 0.006 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:166 Resp: 24507

Ion	Ratio	Lower	Upper
166	100		
165	103.2	80.0	120.0
167	12.9	10.7	16.1

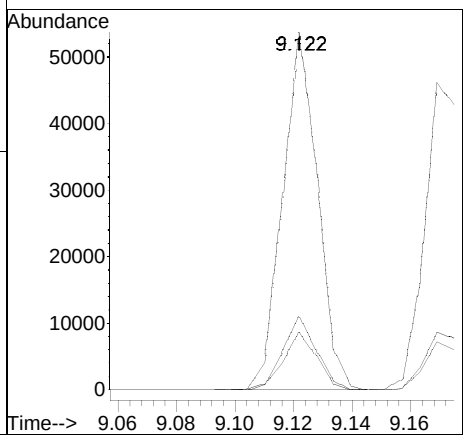


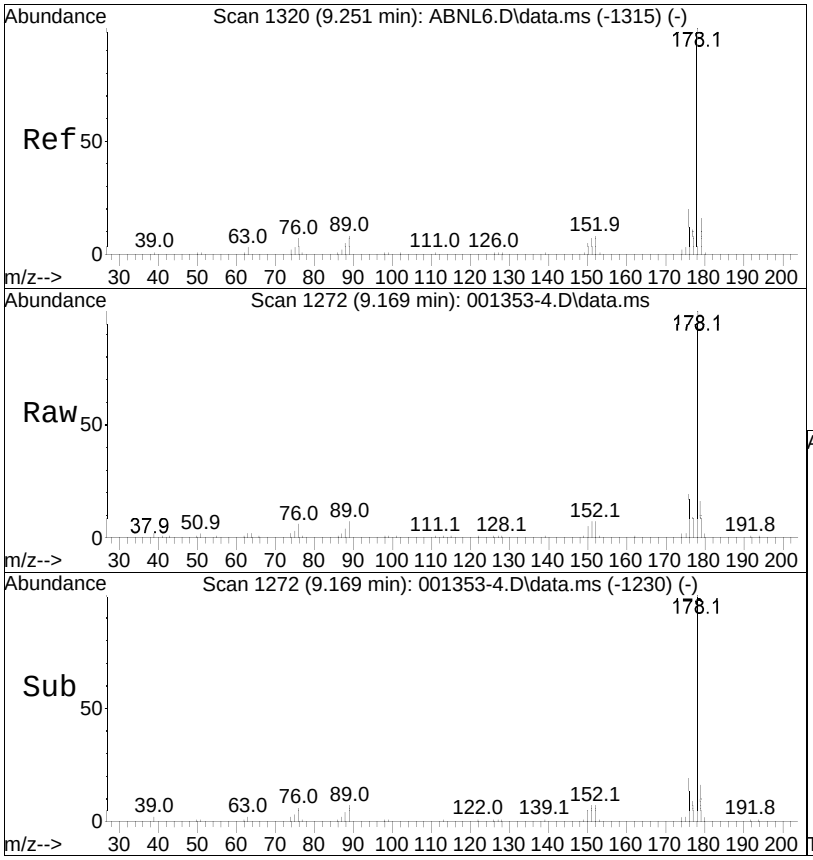


#89
Phenanthrene
Concen: 1.54 ug/ml
RT: 9.122 min Scan# 1264
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:178 Resp: 44448

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.7	15.4	23.2

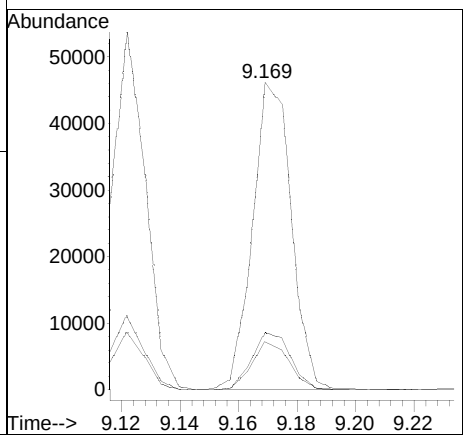


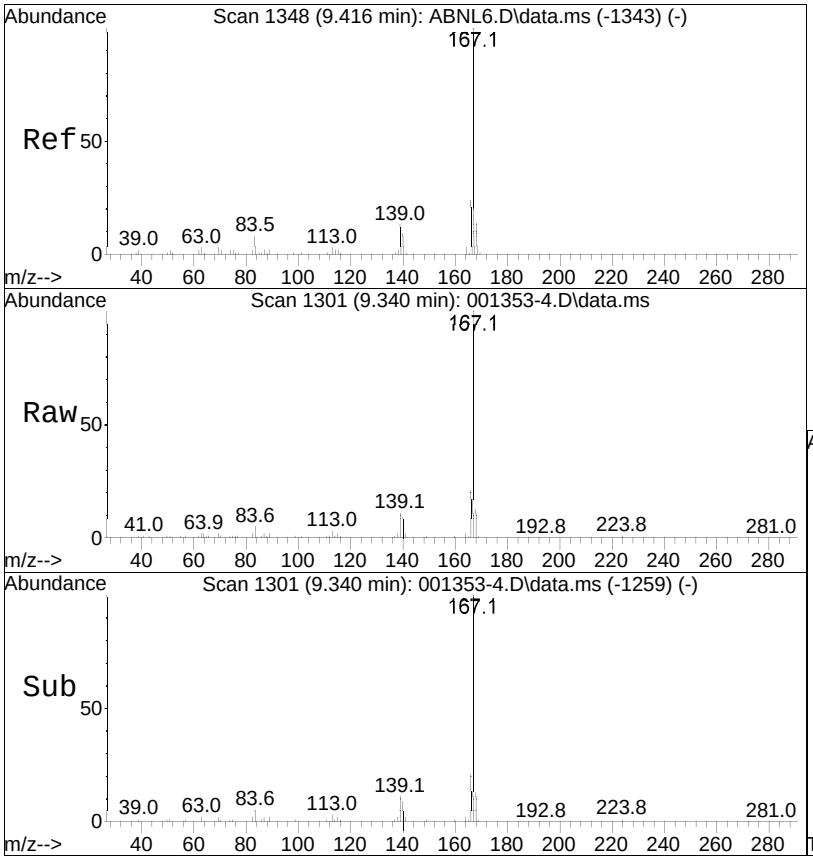


#90
Anthracene
Concen: 1.51 ug/ml
RT: 9.169 min Scan# 1272
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:178 Resp: 42480

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.7	15.1	22.7

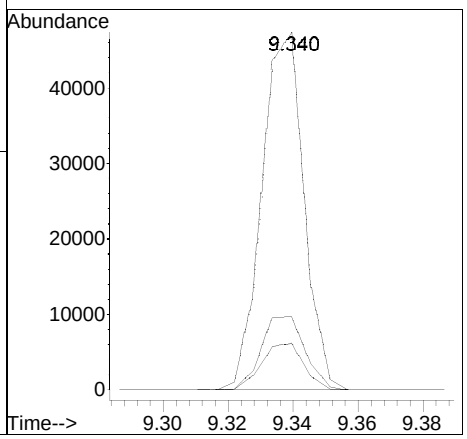


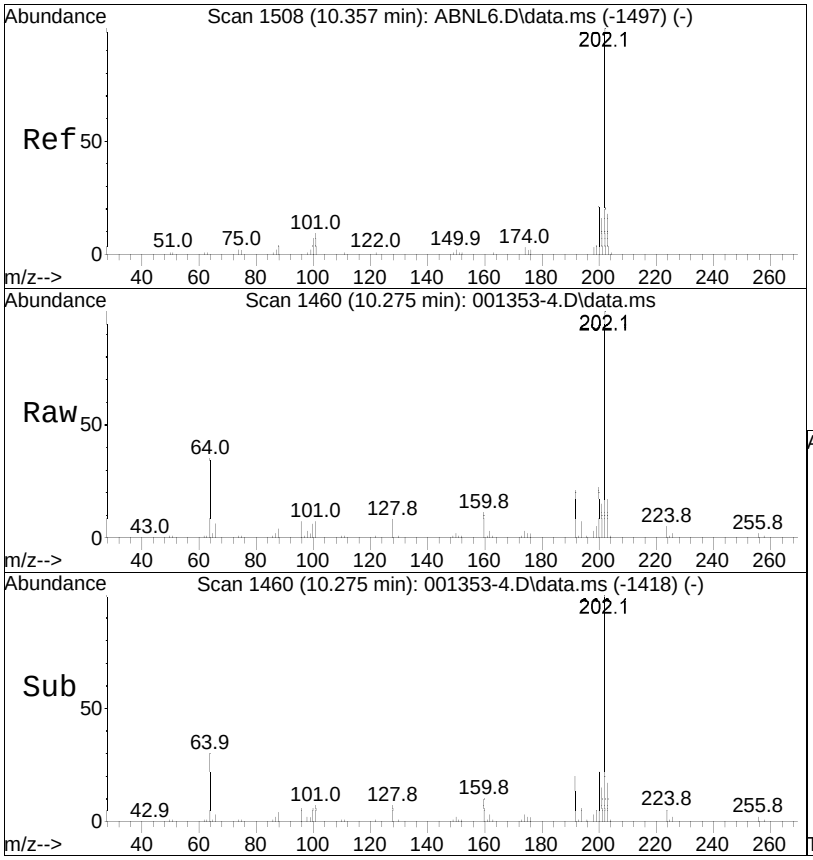


#91
Carbazole
Concen: 1.63 ug/ml
RT: 9.340 min Scan# 1301
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:167 Resp: 42174

Ion	Ratio	Lower	Upper
167	100		
168	13.3	10.8	16.2
166	21.8	17.7	26.5

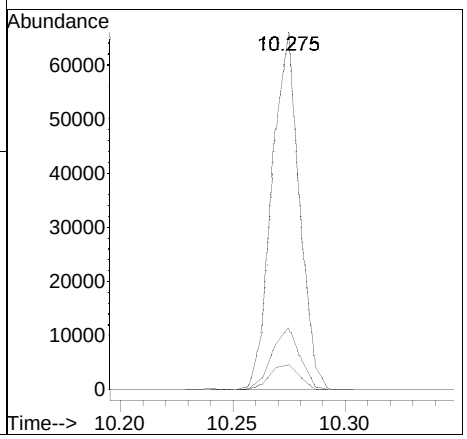


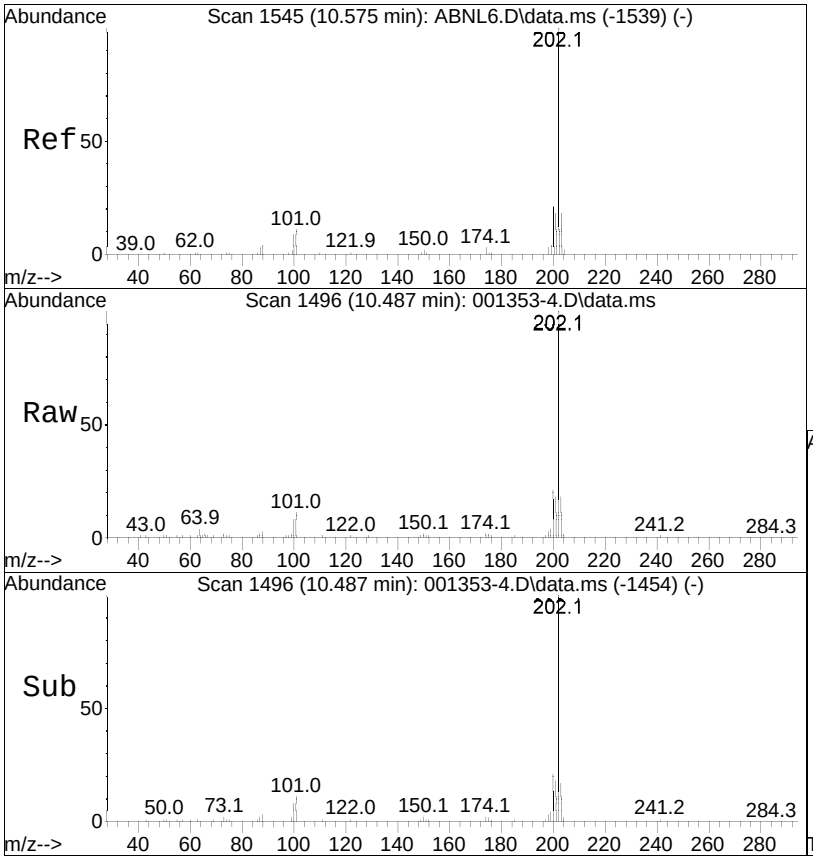


#93
Fluoranthene
Concen: 1.66 ug/ml
RT: 10.275 min Scan# 1460
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:202 Resp: 55481

Ion	Ratio	Lower	Upper
202	100		
101	7.7	11.2	16.8#
203	17.9	13.7	20.5

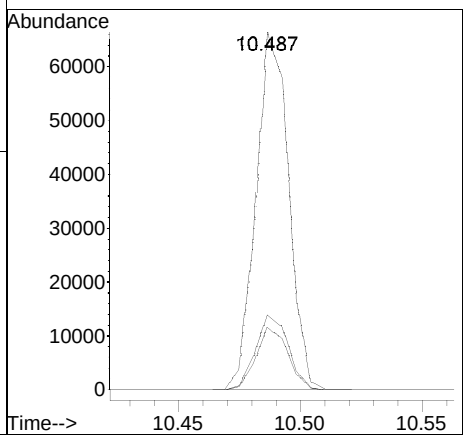


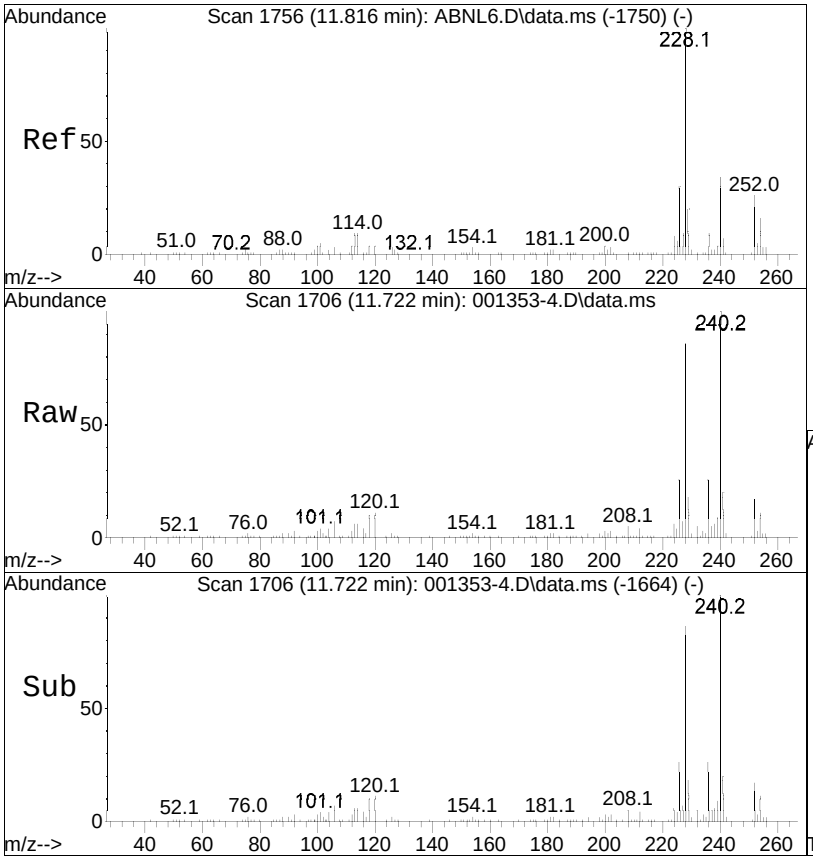


#95
Pyrene
Concen: 1.72 ug/ml
RT: 10.487 min Scan# 1496
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:202 Resp: 61196

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.2	14.3	21.5

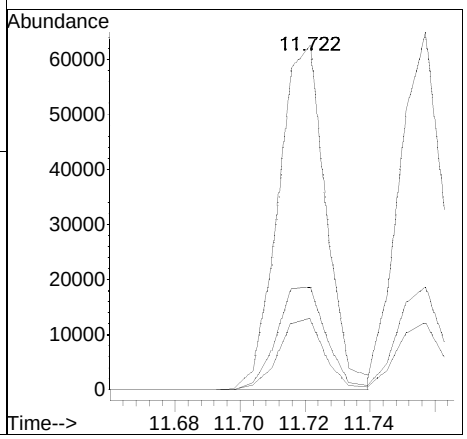


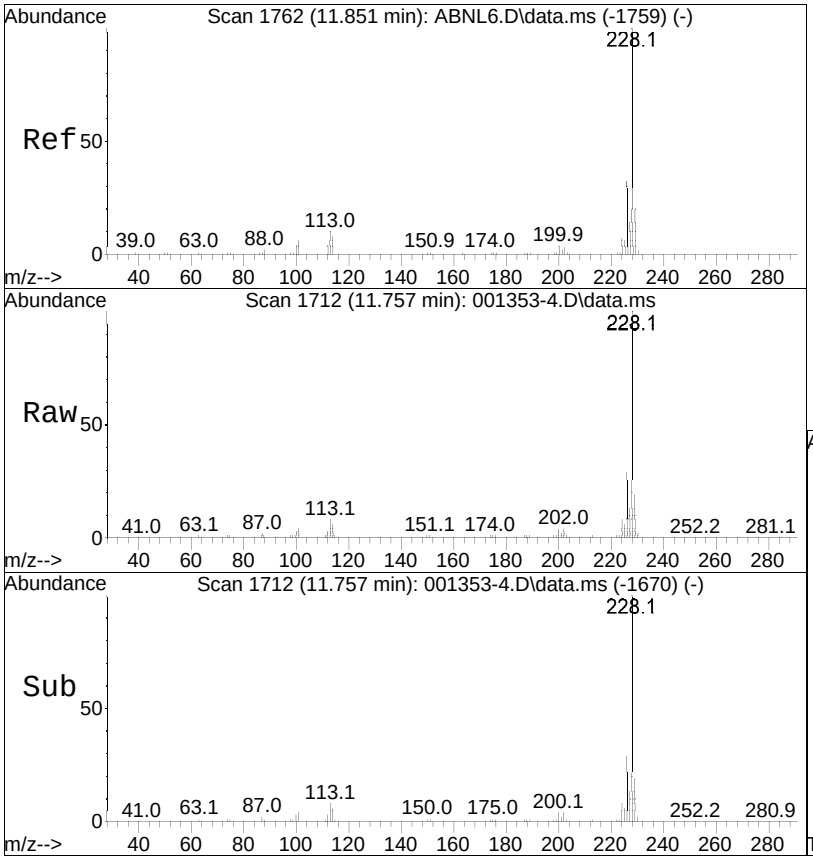


#105
Benzo(a)anthracene
Concen: 1.53 ug/ml
RT: 11.722 min Scan# 1706
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:228 Resp: 63742

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	34.0
229	20.0	15.8	23.6

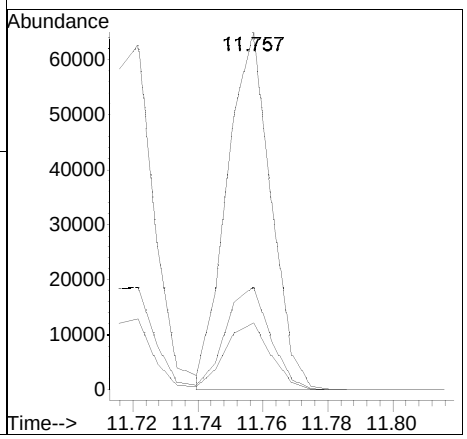


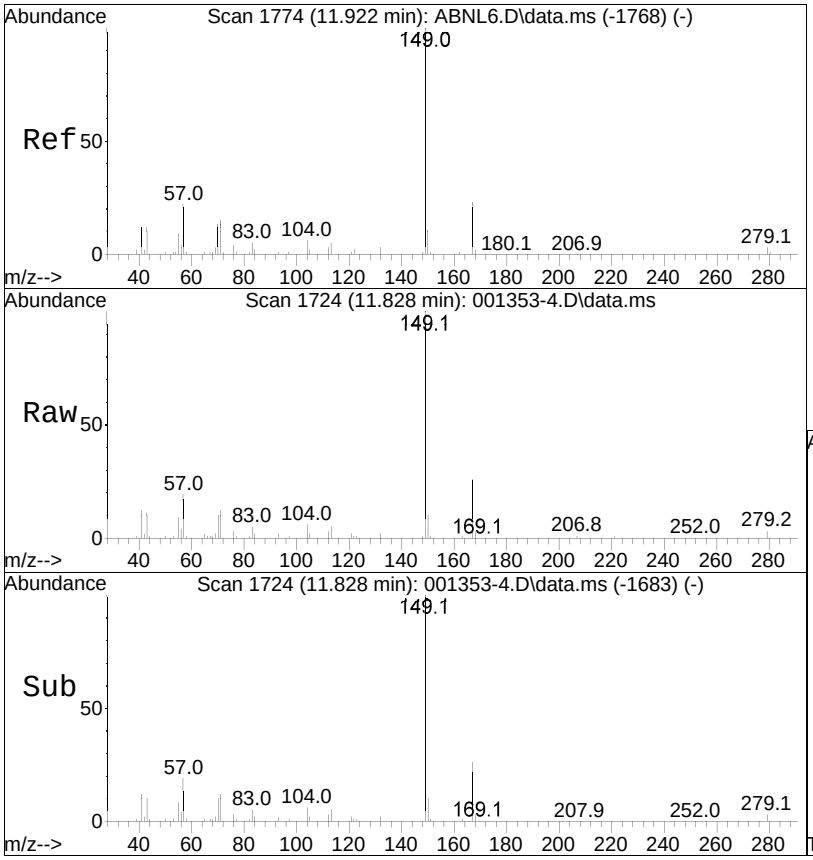


#107
Chrysene
Concen: 1.49 ug/ml
RT: 11.757 min Scan# 1712
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:228 Resp: 60893

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.7	37.1
229	19.4	15.5	23.3

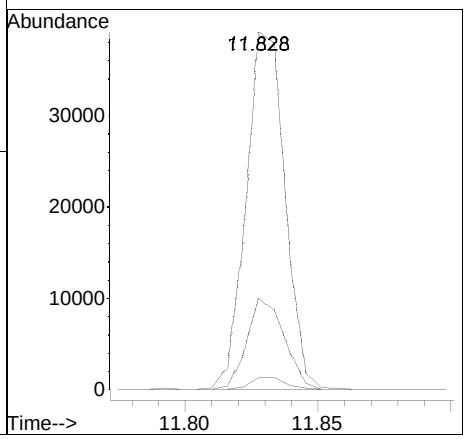


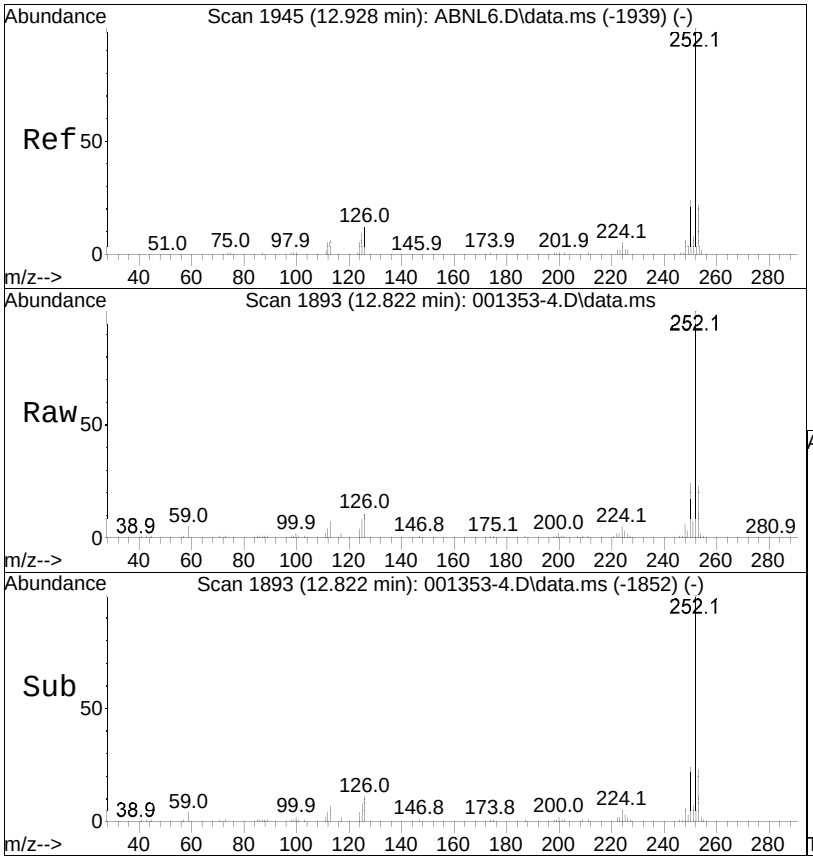


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.89 ug/ml
RT: 11.828 min Scan# 1724
Delta R.T. -0.006 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:149 Resp: 39275

Ion	Ratio	Lower	Upper
149	100		
167	24.8	18.4	27.6
279	2.9	1.7	2.5#

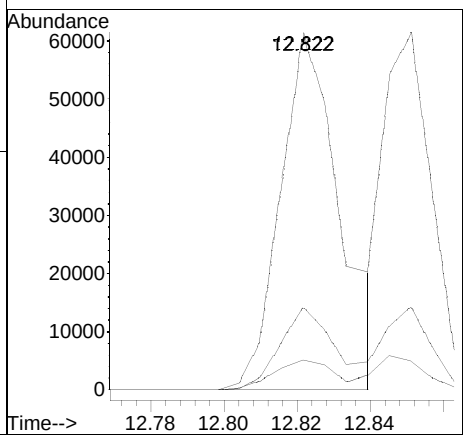


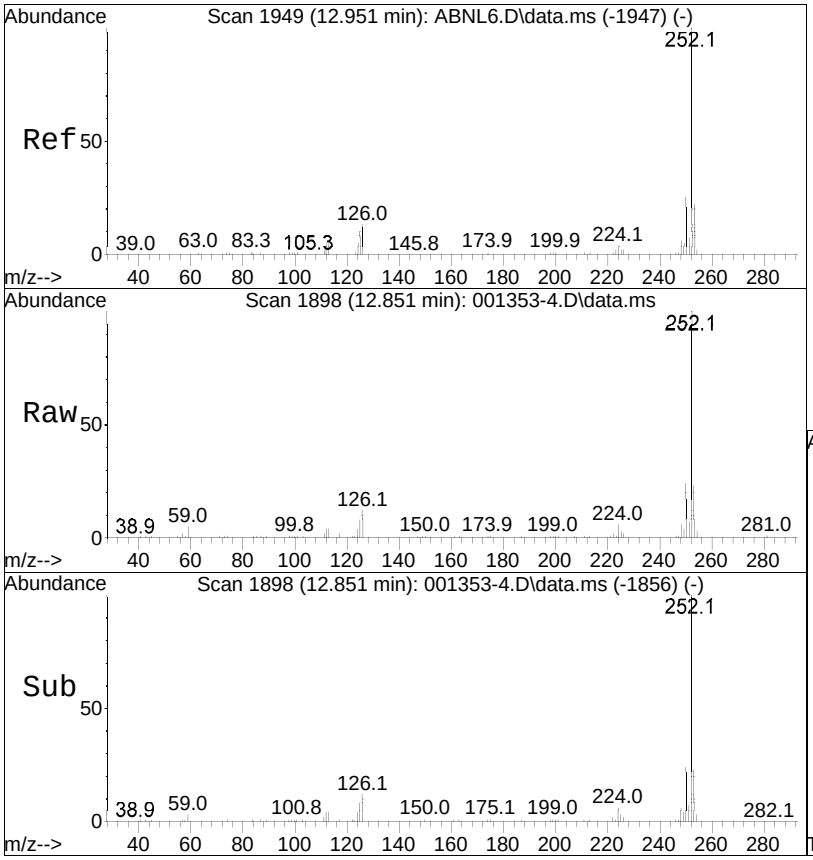


#110
Benzo(b)fluoranthene
Concen: 1.63 ug/ml
RT: 12.822 min Scan# 1893
Delta R.T. -0.006 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:252 Resp: 69535

Ion	Ratio	Lower	Upper
252	100		
125	8.4	11.3	16.9#
253	20.1	17.8	26.8

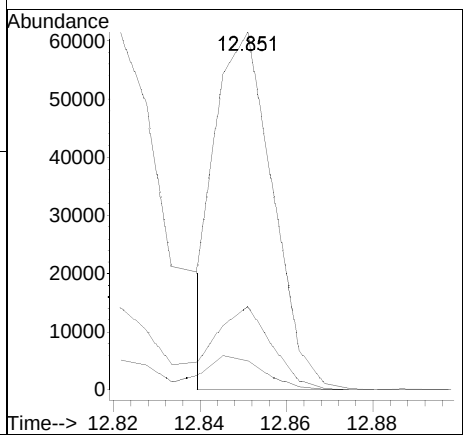


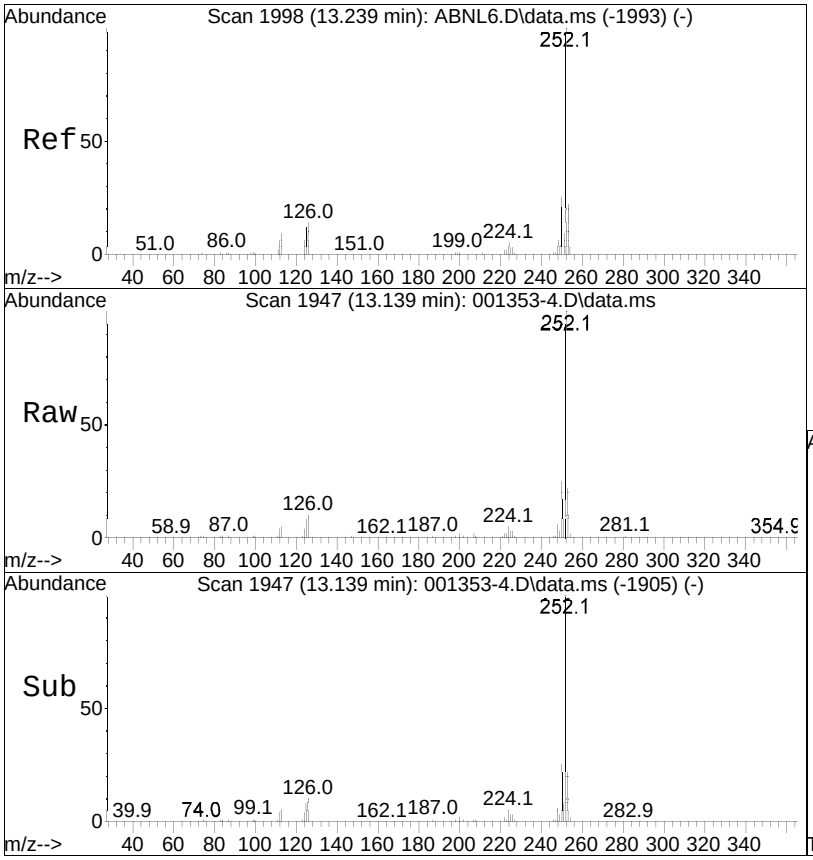


#111
Benzo(k)fluoranthene
Concen: 1.42 ug/ml M3
RT: 12.851 min Scan# 1898
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:252 Resp: 55516

Ion	Ratio	Lower	Upper
252	100		
125	10.5	11.5	17.3#
253	25.1	17.6	26.4

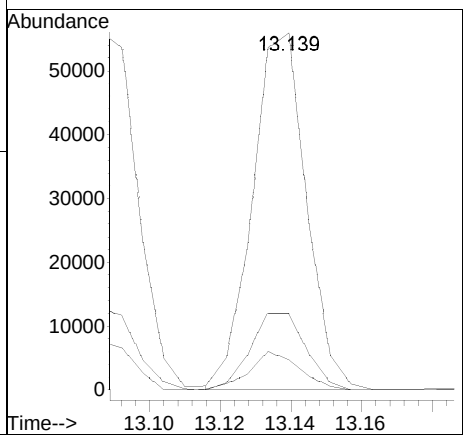


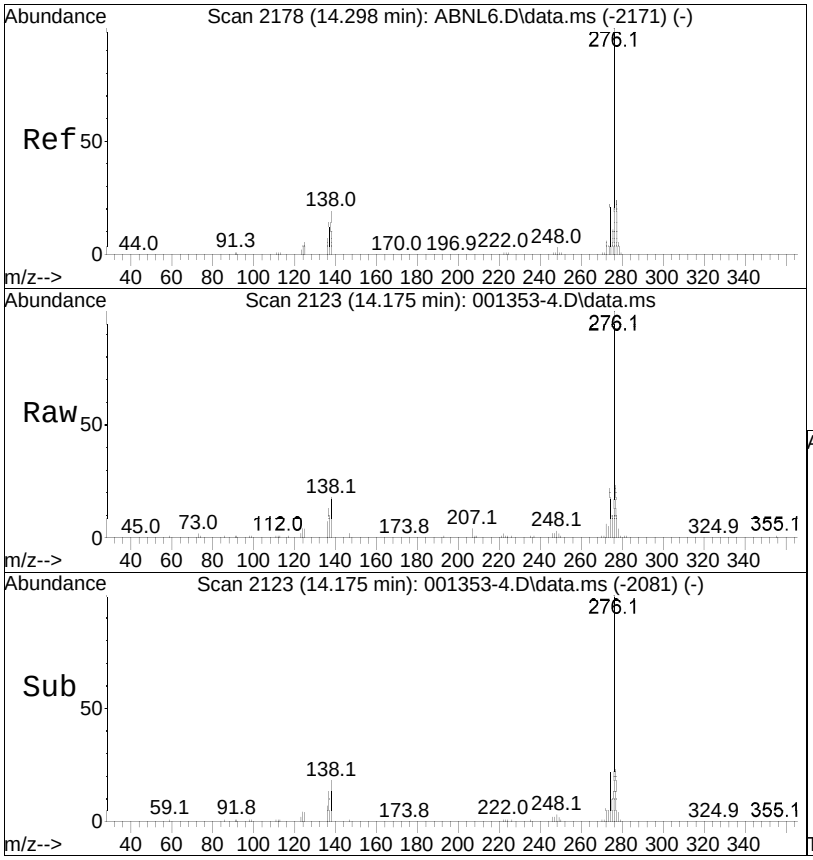


#112
Benzo(a)pyrene
Concen: 1.58 ug/ml M3
RT: 13.139 min Scan# 1947
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:252 Resp: 59159

Ion	Ratio	Lower	Upper
252	100		
125	13.8	12.6	18.8
253	23.0	17.5	26.3

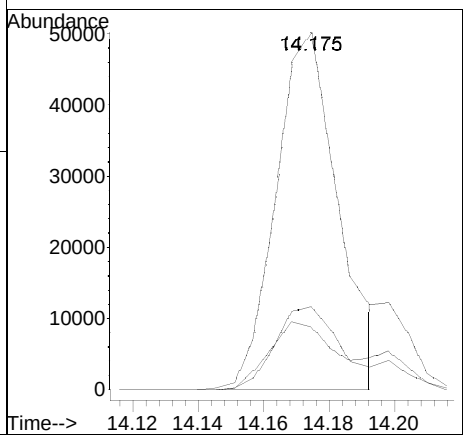


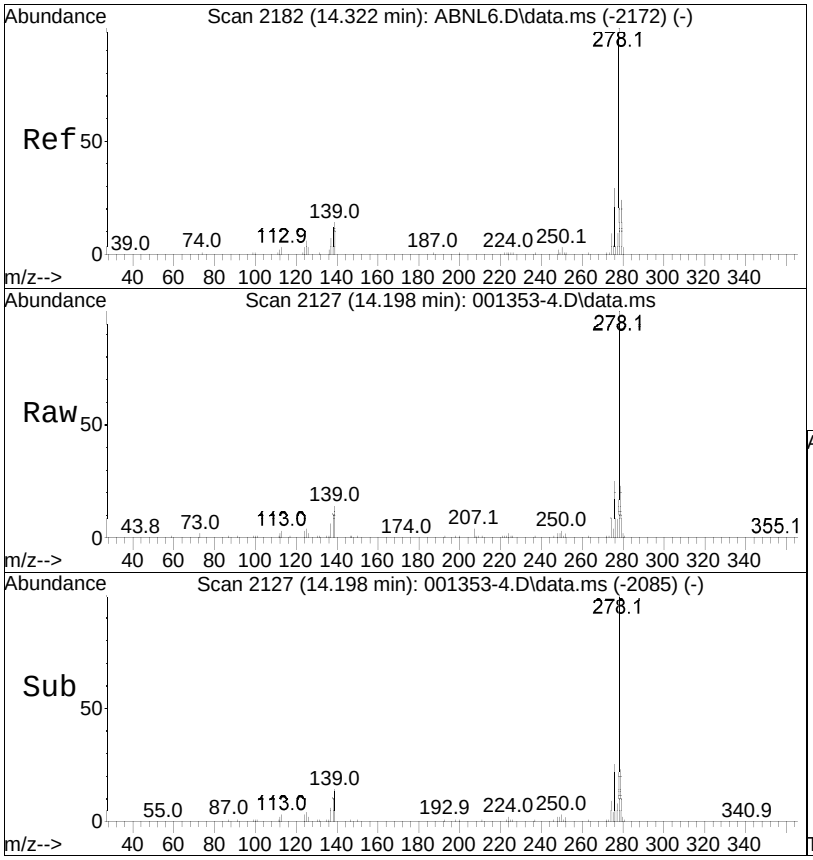


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.65 ug/mL M6
RT: 14.175 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:276 Resp: 66519

Ion	Ratio	Lower	Upper
276	100		
138	27.2	22.1	33.1
277	28.5	19.0	28.6

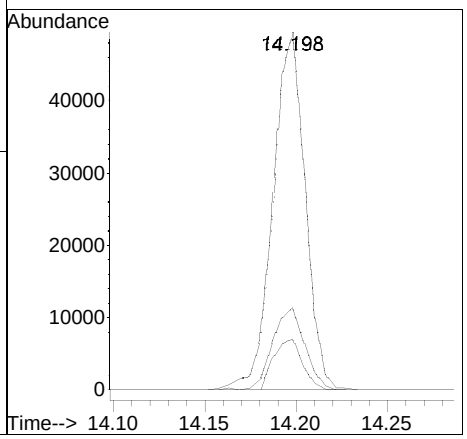


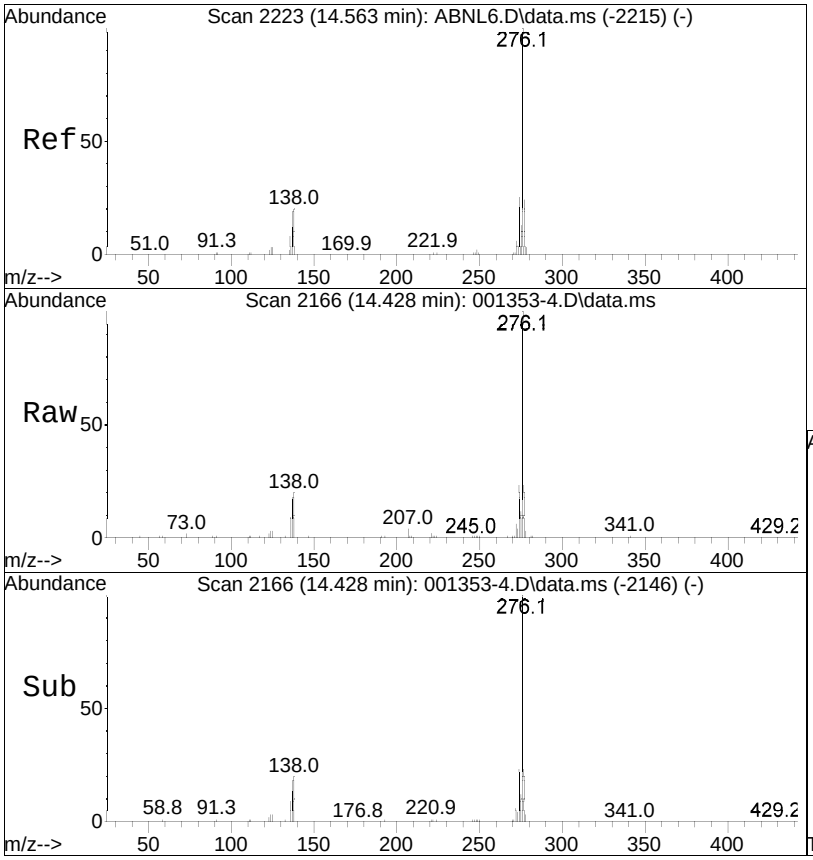


#115
Dibenzo(a,h)anthracene
Concen: 1.56 ug/ml
RT: 14.198 min Scan# 2127
Delta R.T. -0.000 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:278 Resp: 60143

Ion	Ratio	Lower	Upper
278	100		
139	12.8	17.8	26.8#
279	22.9	19.2	28.8

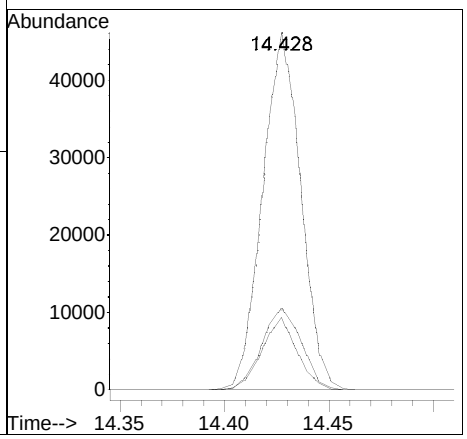




#116
Benzo(ghi)perylene
Concen: 1.50 ug/ml
RT: 14.428 min Scan# 2166
Delta R.T. -0.006 min
Lab File: 001353-4.D
Acq: 24 Nov 2024 05:21 pm

Tgt Ion:276 Resp: 58144

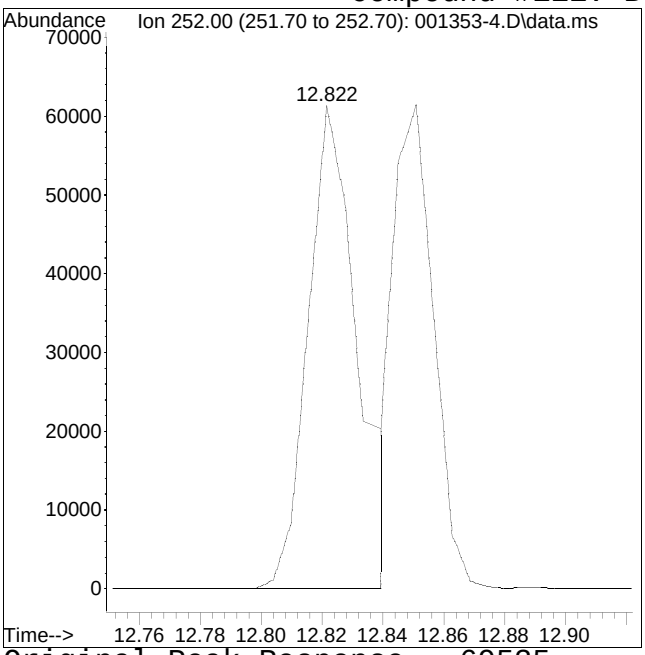
Ion	Ratio	Lower	Upper
276	100		
138	18.8	21.9	32.9#
277	23.9	18.4	27.6

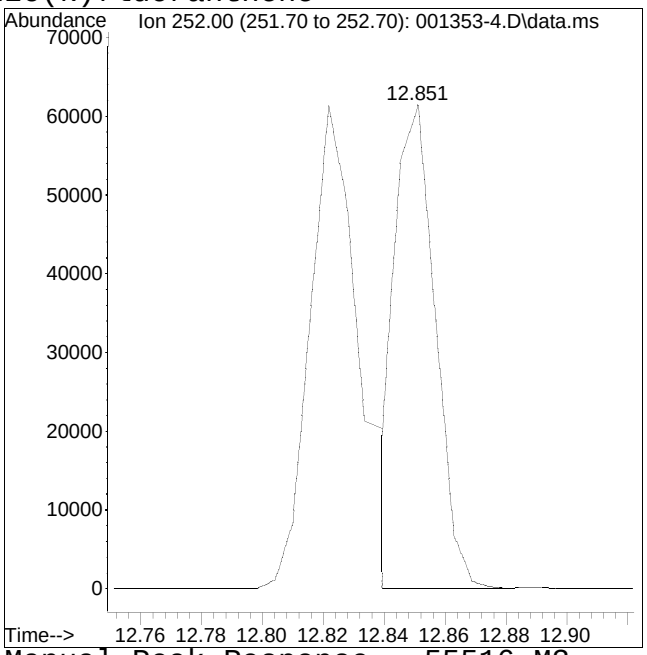


Manual Integration Report

Data Path : I:\8270\SV112\241124RVT\ QMethod : FS240625SV112RVT.m
Data File : 001353-4.D Operator : SV112:smz
Date Inj'd : 11/24/2024 5:21 pm Instrument : SV112
Sample : WG2001353-4,32,,cmm Quant Date : 11/24/2024 5:39 pm

Compound #111: Benzo(k)fluoranthene





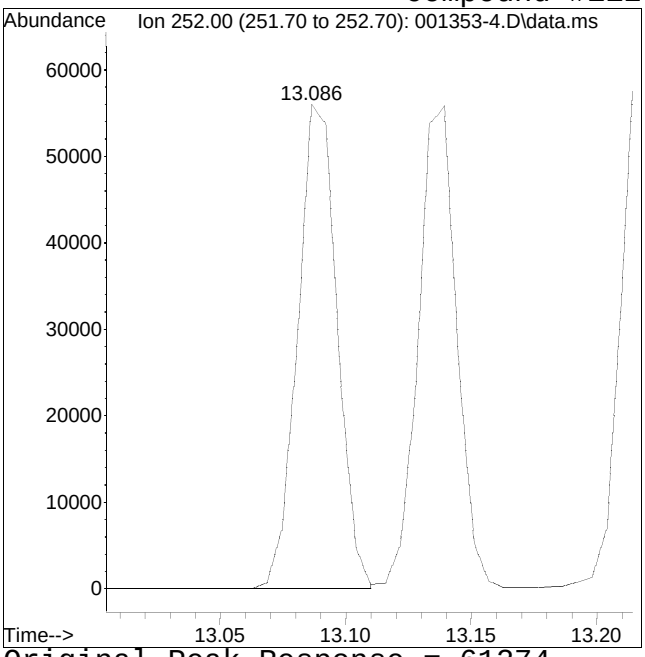
Original Peak Response = 69535 Manual Peak Response = 55516 M3

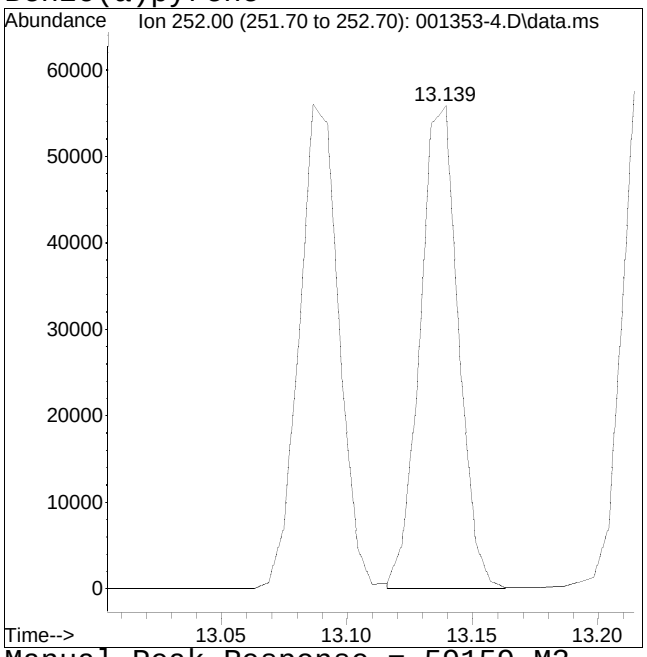
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241124RVT\ QMethod : FS240625SV112RVT.m
Data File : 001353-4.D Operator : SV112:smz
Date Inj'd : 11/24/2024 5:21 pm Instrument : SV112
Sample : WG2001353-4,32,,cmm Quant Date : 11/24/2024 5:39 pm

Compound #112: Benzo(a)pyrene



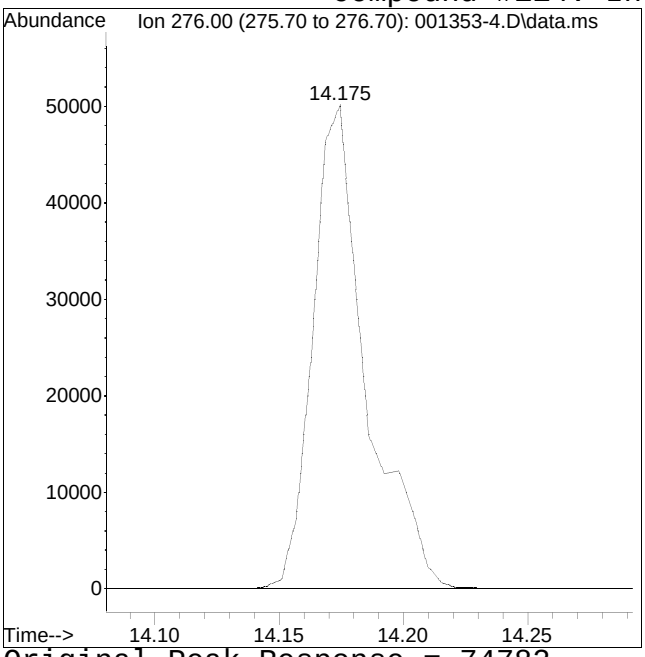


Original Peak Response = 61274 Manual Peak Response = 59159 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

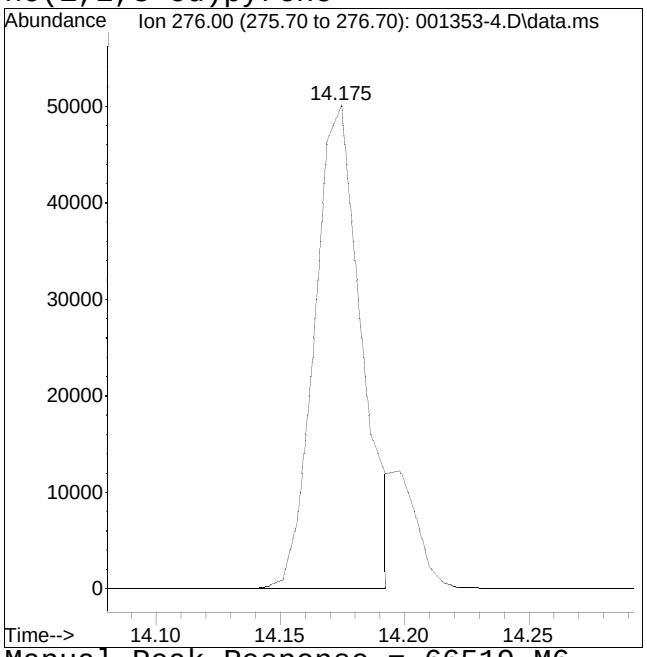
Manual Integration Report

Data Path : I:\8270\SV112\241124RVT\ QMethod : FS240625SV112RVT.m
Data File : 001353-4.D Operator : SV112:smz
Date Inj'd : 11/24/2024 5:21 pm Instrument : SV112
Sample : WG2001353-4,32,,cmm Quant Date : 11/24/2024 5:39 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 74782



Manual Peak Response = 66519 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-6.D
Acq On : 25 Nov 2024 11:52 pm
Operator : Dakota:smz
Sample : WG2001587-6,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 26 00:09:37 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.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...	4.223	152	25954	4.000	ug/ml		0.00
Standard Area 1 = 40101			Recovery = 64.72%				
27) IS2_1,4-Dichlorobenzen...	4.223	152	25954	4.000	ug/ml		0.00
Standard Area 3 = 22985			Recovery = 112.92%				
37) IS1_Naphthalene-d8	5.460	136	102750	4.000	ug/ml	#	0.00
Standard Area 1 = 159893			Recovery = 64.26%				
57) IS2_Naphthalene-d8	5.460	136	102750	4.000	ug/ml	#	0.00
Standard Area 3 = 87939			Recovery = 116.84%				
65) IS1_Acenaphthene-d10	7.151	164	67821	4.000	ug/ml		0.00
Standard Area 1 = 106227			Recovery = 63.85%				
85) IS2_Acenaphthene-d10	7.151	164	67821	4.000	ug/ml		0.00
Standard Area 3 = 58300			Recovery = 116.33%				
88) IS3_Acenaphthene-d10	7.151	164	67821	4.000	ug/ml		0.00
Standard Area 2 = 54188			Recovery = 125.16%				
90) IS1_Phenanthrene-d10	8.565	188	149736	4.000	ug/ml		0.00
Standard Area 1 = 233287			Recovery = 64.19%				
102) IS3_Phenanthrene-d10	8.565	188	149736	4.000	ug/ml		0.00
Standard Area 2 = 126143			Recovery = 118.70%				
106) IS1_Chrysene-d12	11.126	240	177270	4.000	ug/ml		0.00
Standard Area 1 = 278188			Recovery = 63.72%				
115) IS1_Perylene-d12	12.544	264	220027	4.000	ug/ml		0.00
Standard Area 1 = 327345			Recovery = 67.22%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.927	112	5197	0.779	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.95%				
7) Phenol-d6	3.928	99	4691	0.549	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.45%				
19) Nitrobenzene-d5	4.777	82	5736	0.740	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.00%				
48) 2-Fluorobiphenyl	6.536	172	16246	0.639	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.90%				
81) 2,4,6-Tribromophenol	7.910	330	6957	1.435	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 71.75%				
98) 4-Terphenyl-d14	10.132	244	29428	0.679	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.90%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-6.D
Acq On : 25 Nov 2024 11:52 pm
Operator : Dakota:smz
Sample : WG2001587-6,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 26 00:09:37 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	4.018	128	9079	1.142	ug/ml	91
8) Phenol	3.941	94	5124	0.556	ug/ml	99
9) Bis(2-chloroethyl)ether	4.000	93	9249	1.401	ug/ml	95
14) Bis(2-chloroisopropyl)...	4.537	45	16205	1.392	ug/ml#	70
15) 2-Methylphenol	4.534	108	7041	1.005	ug/ml	96
17) n-Nitrosodi-n-propylamine	4.668	70	7420	1.326	ug/ml#	82
18) 3-Methylphenol/4-Methy...	4.693	108	7434	0.969	ug/ml	97
20) Nitrobenzene	4.795	77	10698	1.349	ug/ml	97
21) Isophorone	5.041	82	18907	1.297	ug/ml	94
22) 2-Nitrophenol	5.109	139	5117	1.274	ug/ml	89
23) 2,4-Dimethylphenol	5.206	107	5801	0.812	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.286	93	12550	1.382	ug/ml#	93
25) 2,4-Dichlorophenol	5.352	162	11183	1.341	ug/ml#	92
28) Benzaldehyde	3.788	105	8343	1.828	ug/ml	97
29) Acetophenone	4.637	105	15082	1.656	ug/ml#	81
40) 4-Chloroaniline	5.566	65	3503	1.128	ug/ml	82
42) p-Chloro-m-cresol	6.073	107	9452	1.270	ug/ml	92
45) Hexachlorocyclopentadiene	6.334	237	3483	0.498	ug/ml#	92
46) 2,4,6-Trichlorophenol	6.455	196	9785	1.329	ug/ml	99
47) 2,4,5-Trichlorophenol	6.483	196	11303	1.373	ug/ml	97
50) 2-Nitroaniline	6.741	138	8079	1.442	ug/ml	83
53) Dimethyl phthalate	6.949	163	31977	1.256	ug/ml#	96
55) 2,6-Dinitrotoluene	6.986	165	6257	1.317	ug/ml#	82
62) Caprolactam	5.864	55	1777	0.563	ug/ml#	72
63) 1,2,4,5-Tetrachloroben...	6.331	216	13610	1.283	ug/ml	97
64) Biphenyl	6.623	154	32367	1.497	ug/ml	97
66) 3-Nitroaniline	7.136	138	7142	1.364	ug/ml#	84
68) 2,4-Dinitrophenol	7.241	184	923	0.289	ug/ml#	53
69) Dibenzofuran	7.350	168	42390	1.246	ug/ml	99
70) 2,4-Dinitrotoluene	7.369	165	8874	1.352	ug/ml#	74
71) 4-Nitrophenol	7.344	65	2677	0.686	ug/ml#	1
73) 2,3,4,6-Tetrachlorophenol	7.490	232	10328	1.424	ug/ml	96
74) Diethyl phthalate	7.633	149	33895	1.270	ug/ml	98
76) 4-Chlorophenyl phenyl ...	7.708	204	15757	1.174	ug/ml#	86
77) 4-Nitroaniline	7.717	138	7682	1.517	ug/ml	84
78) 4,6-Dinitro-o-cresol	7.754	198	2538	0.640	ug/ml#	65

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-6.D
Acq On : 25 Nov 2024 11:52 pm
Operator : Dakota:smz
Sample : WG2001587-6,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 26 00:09:37 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	NDPA/DPA	7.823	169	28639	1.264	ug/ml	90
82)	4-Bromophenyl phenyl e...	8.168	248	10962	1.240	ug/ml#	80
89)	Atrazine	8.366	200	9289	1.597	ug/ml	91
93)	Carbazole	8.811	167	57254	1.437	ug/ml	97
94)	Di-n-butylphthalate	9.218	149	61714	1.366	ug/ml#	97
99)	Butyl benzyl phthalate	10.651	149	29518	1.525	ug/ml#	84
108)	3,3'-Dichlorobenzidine	11.133	252	36342	1.624	ug/ml#	97
110)	Bis(2-ethylhexyl)phtha...	11.276	149	47019	1.460	ug/ml#	90
111)	Di-n-octylphthalate	11.935	149	79774	1.486	ug/ml#	75

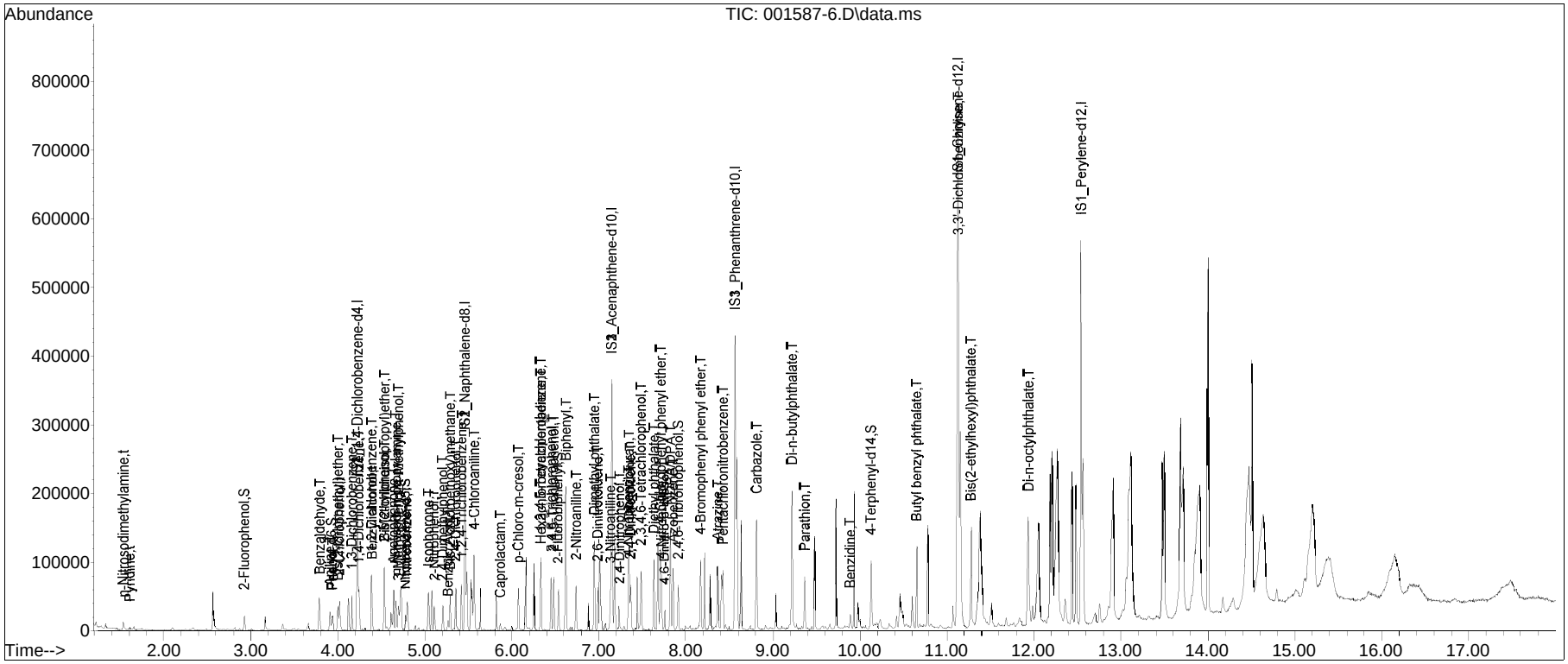
(#) = qualifier out of range (m) = manual integration (+) = signals summed

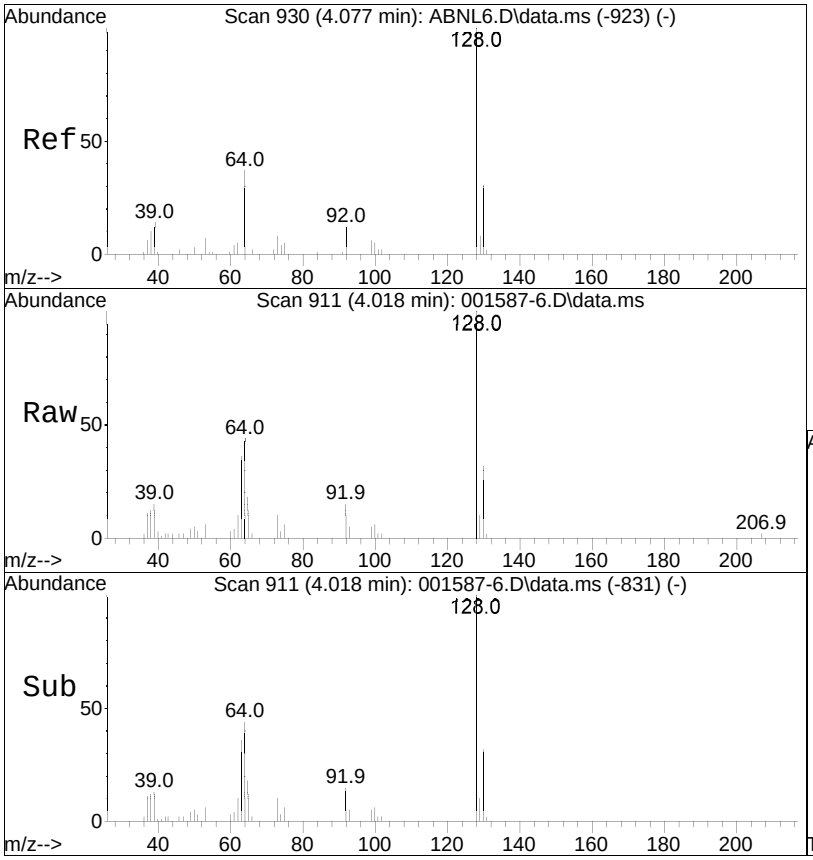
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-6.D
Acq On : 25 Nov 2024 11:52 pm
Operator : Dakota:smz
Sample : WG2001587-6,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 26 00:09:37 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91125n.D•

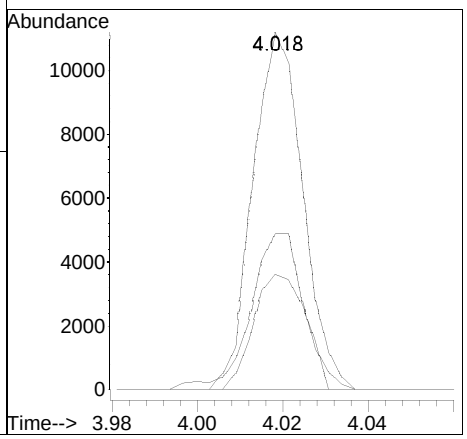


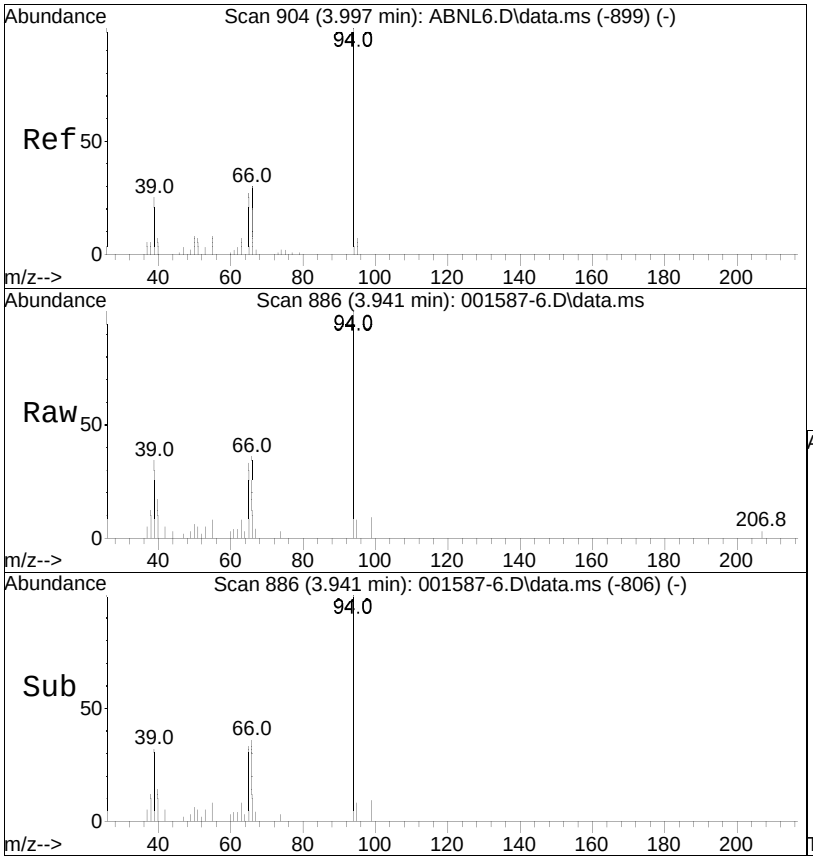


#6
2-Chlorophenol
Concen: 1.14 ug/ml
RT: 4.018 min Scan# 911
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:128 Resp: 9079

Ion	Ratio	Lower	Upper
128	100		
64	46.9	45.1	67.7
130	33.8	26.2	39.4

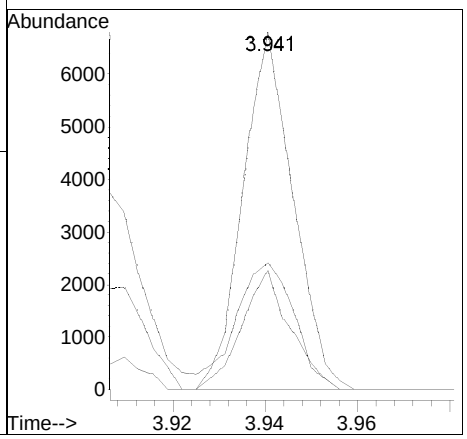


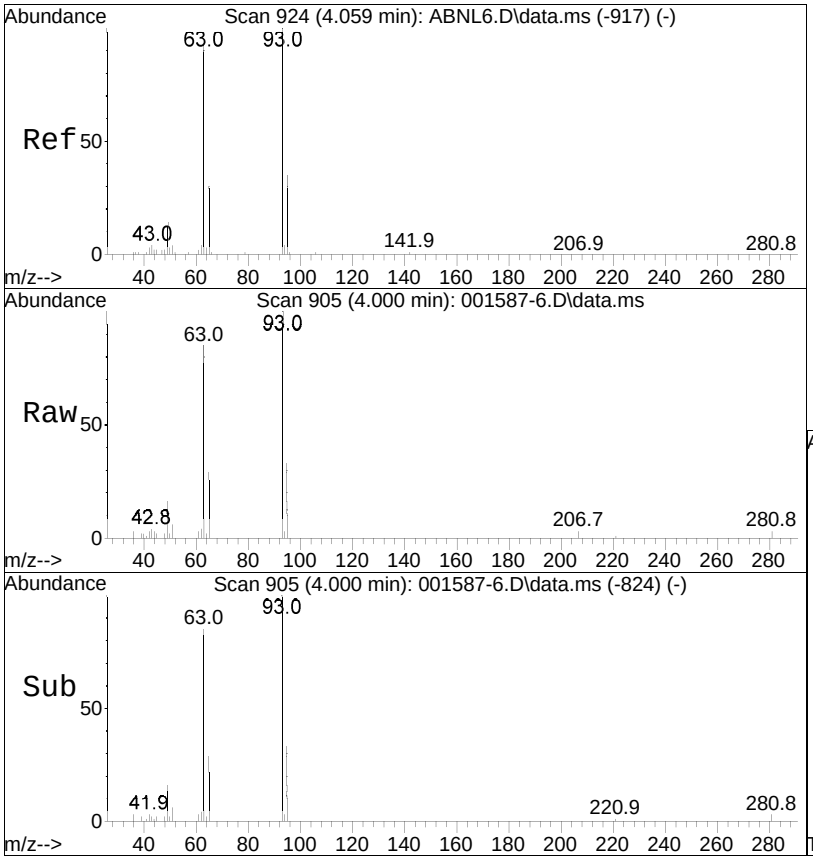


#8
Phenol
Concen: 0.56 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 94 Resp: 5124

Ion	Ratio	Lower	Upper
94	100		
65	32.4	26.0	39.0
66	41.3	33.8	50.8

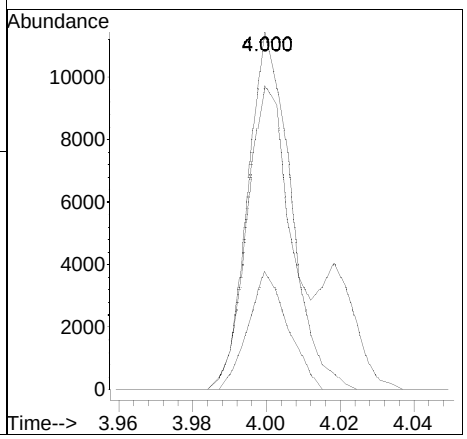


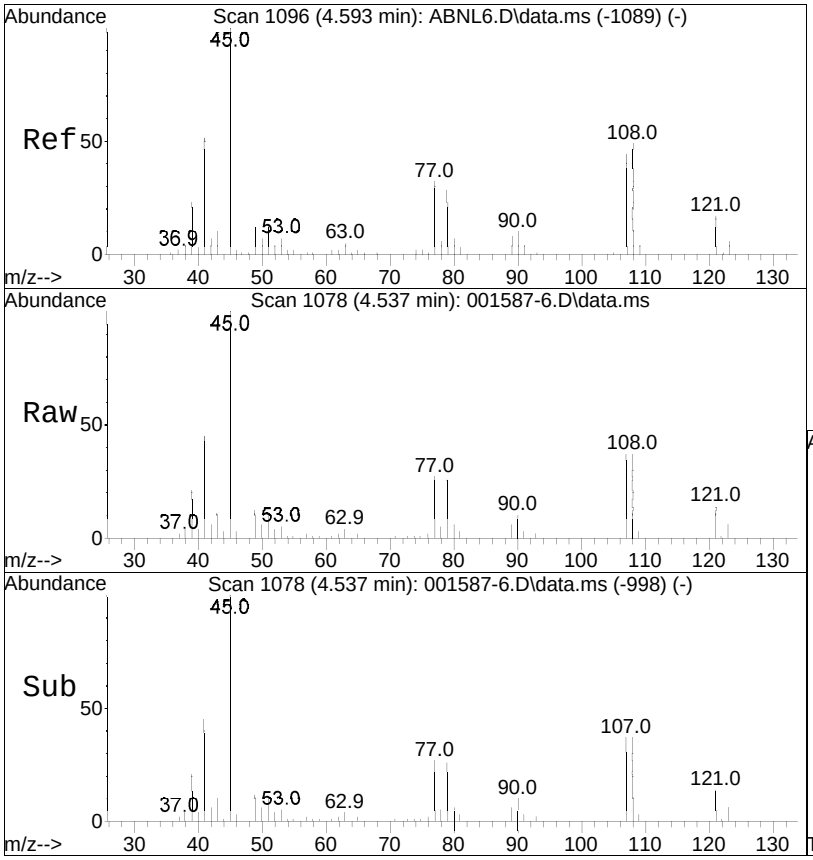


#9
Bis(2-chloroethyl)ether
Concen: 1.40 ug/ml
RT: 4.000 min Scan# 905
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 93 Resp: 9249

Ion	Ratio	Lower	Upper
93	100		
63	87.5	74.6	111.8
95	30.7	25.9	38.9

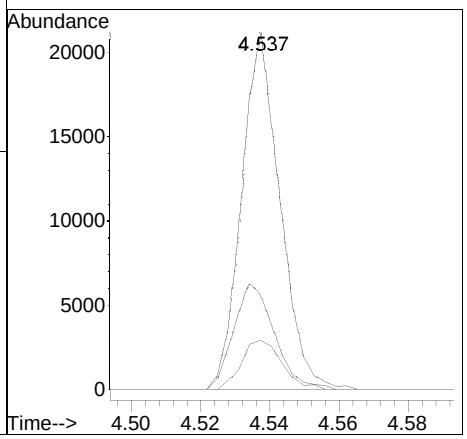


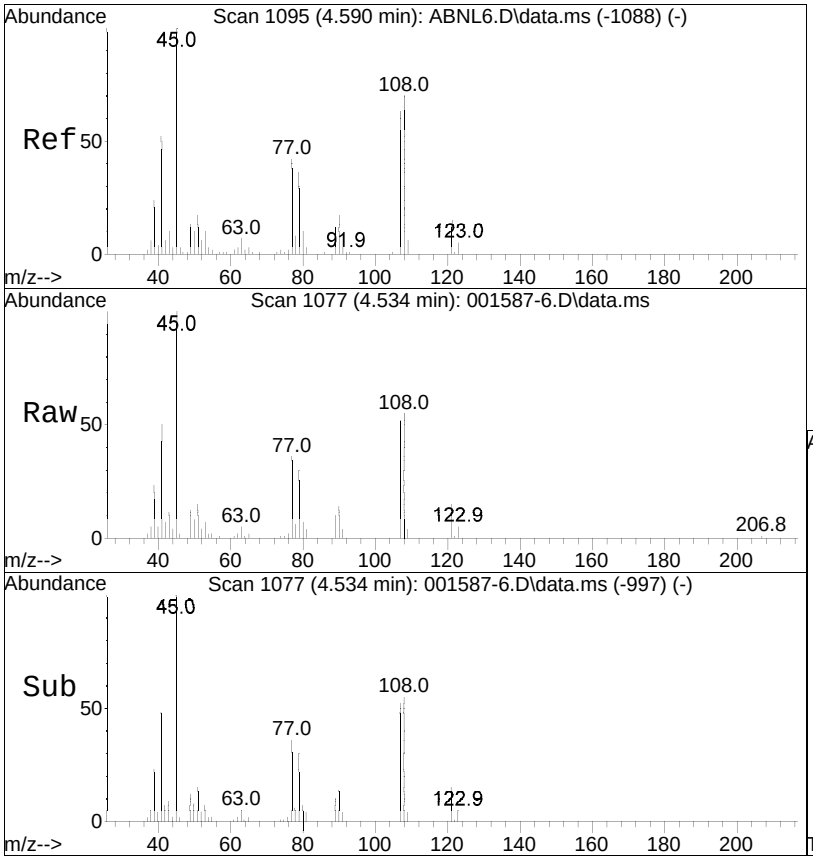


#14
Bis(2-chloroisopropyl)ether
Concen: 1.39 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 45 Resp: 16205

Ion	Ratio	Lower	Upper
45	100		
121	14.6	9.8	14.6
77	31.6	6.1	9.1#

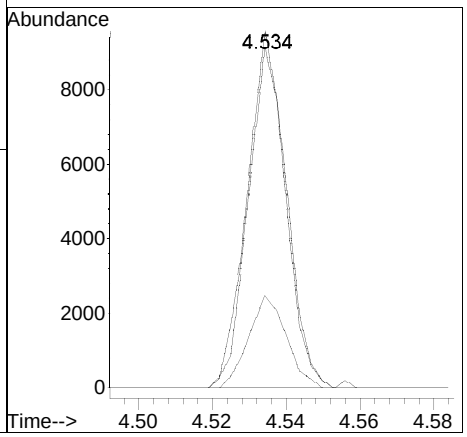


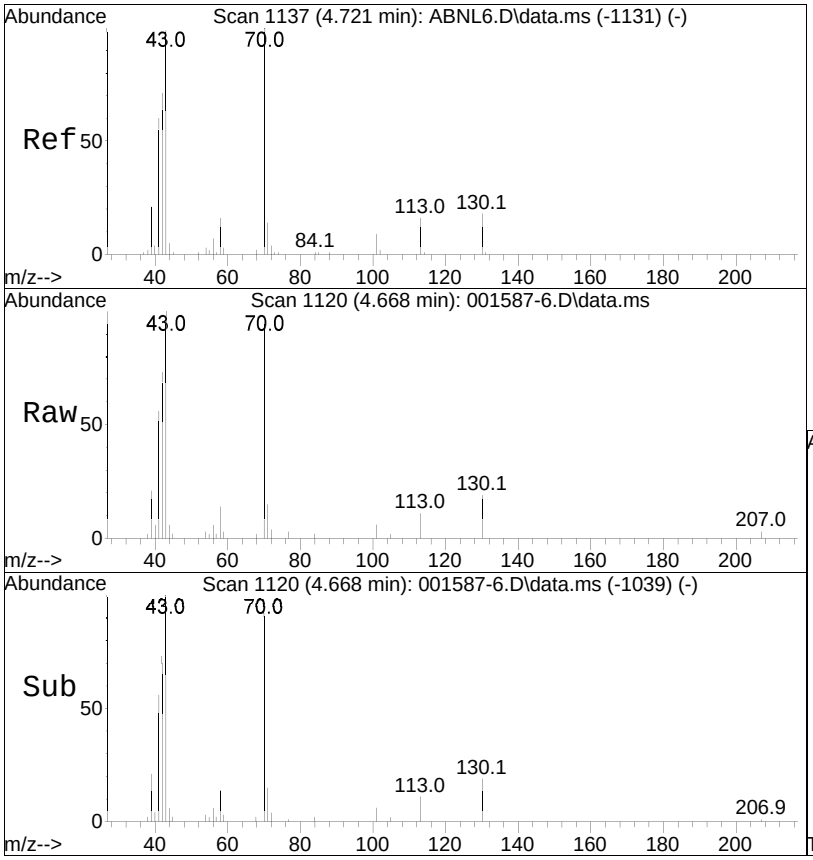


#15
2-Methylphenol
Concen: 1.01 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:108 Resp: 7041

Ion	Ratio	Lower	Upper
108	100		
107	91.9	70.7	106.1
90	25.0	18.7	28.1

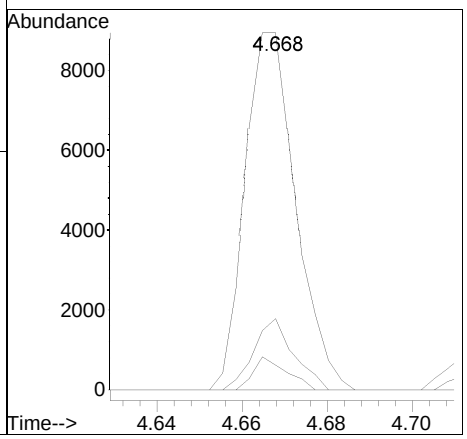


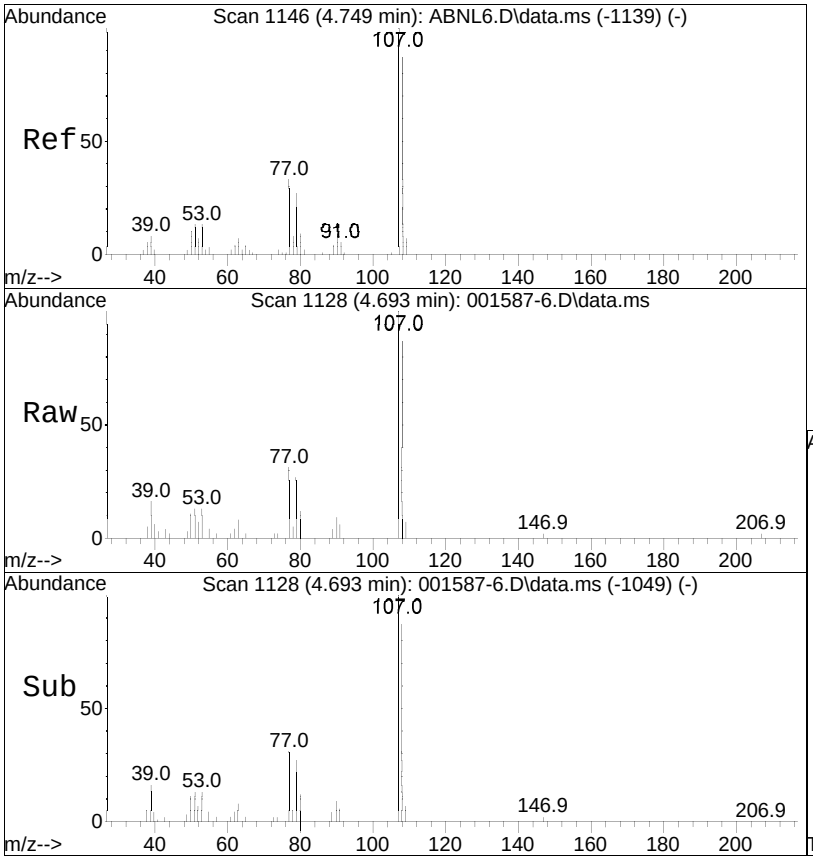


#17
n-Nitrosodi-n-propylamine
Concen: 1.33 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 70 Resp: 7420

Ion	Ratio	Lower	Upper
70	100		
130	15.7	18.2	27.4#
101	0.0	7.8	11.8#

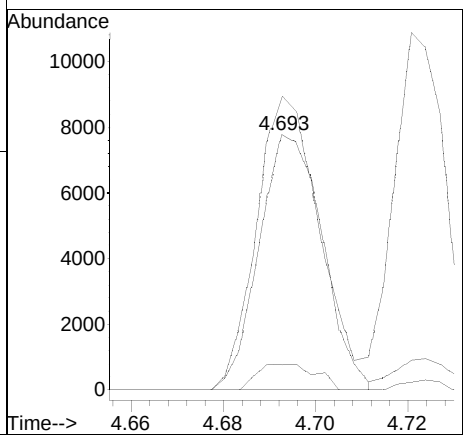


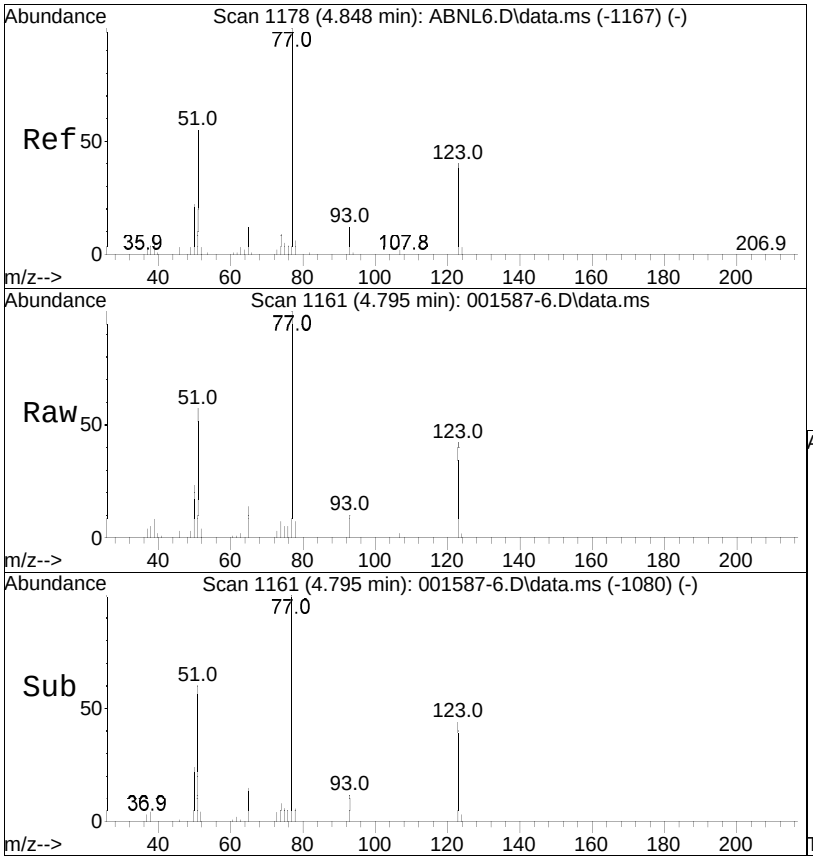


#18
3-Methylphenol/4-Methylphenol
Concen: 0.97 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:108 Resp: 7434

Ion	Ratio	Lower	Upper
108	100		
107	113.2	88.6	132.8
90	9.4	8.8	13.2

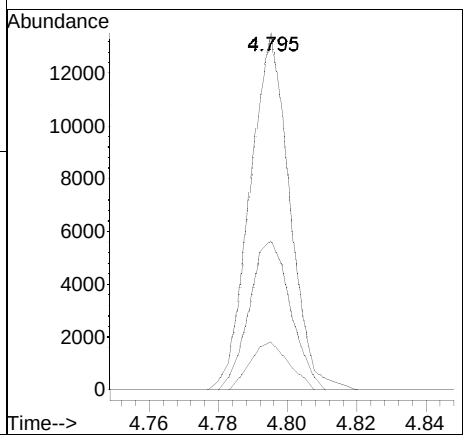


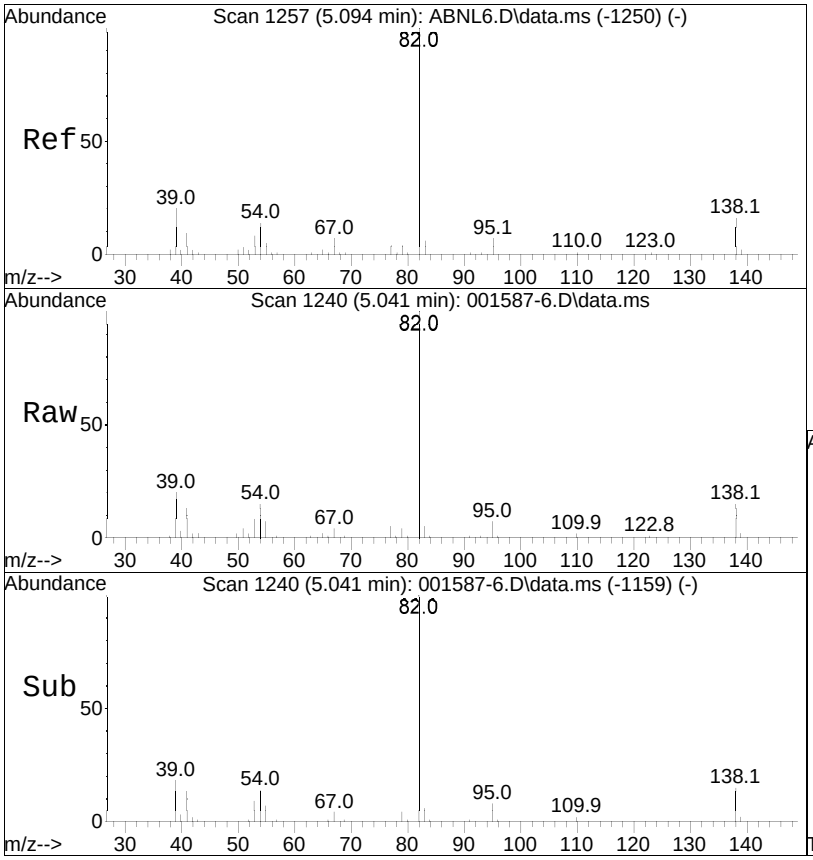


#20
Nitrobenzene
Concen: 1.35 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 77 Resp: 10698

Ion	Ratio	Lower	Upper
77	100		
123	43.7	36.3	54.5
65	13.2	11.6	17.4

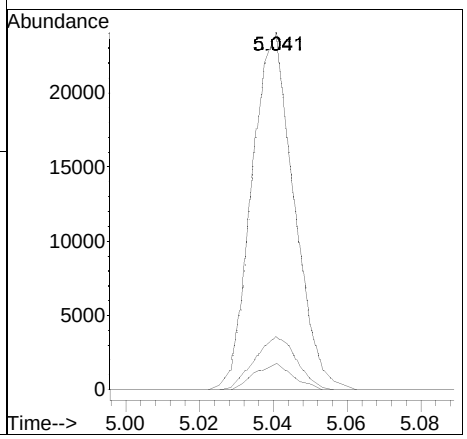


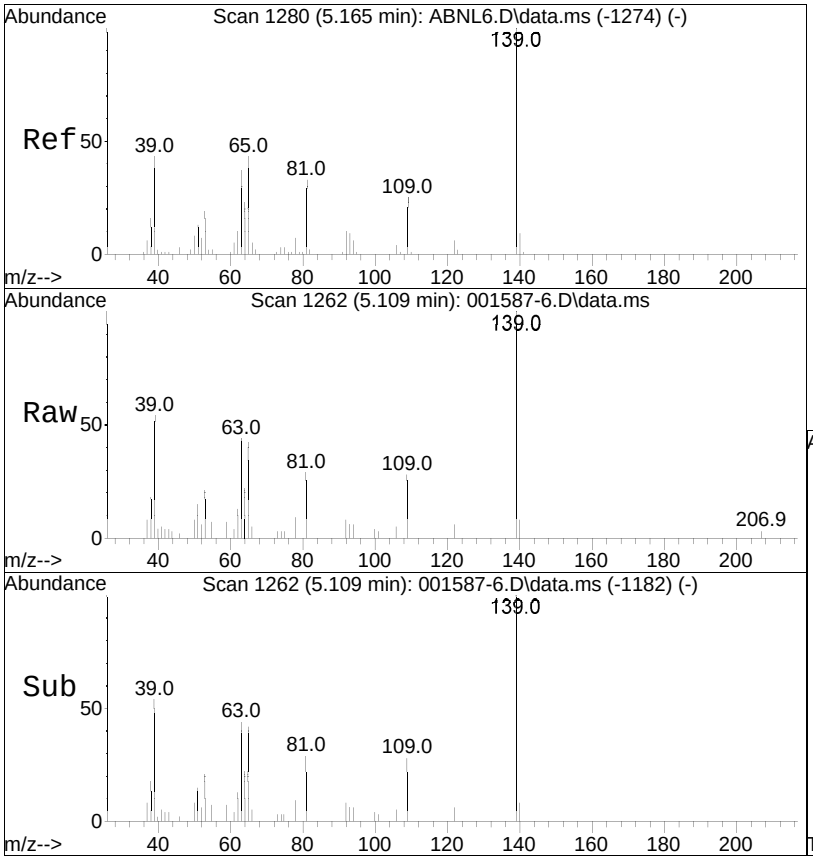


#21
Isophorone
Concen: 1.30 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 82 Resp: 18907

Ion	Ratio	Lower	Upper
82	100		
138	15.0	14.7	22.1
95	6.7	5.2	7.8

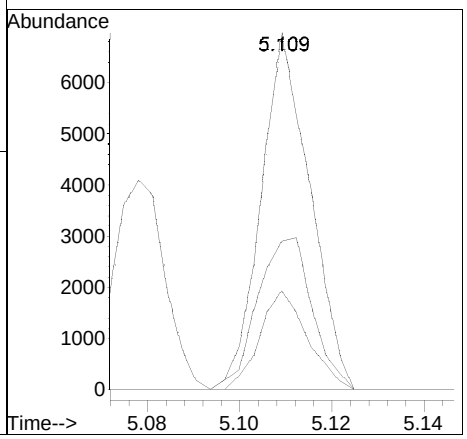


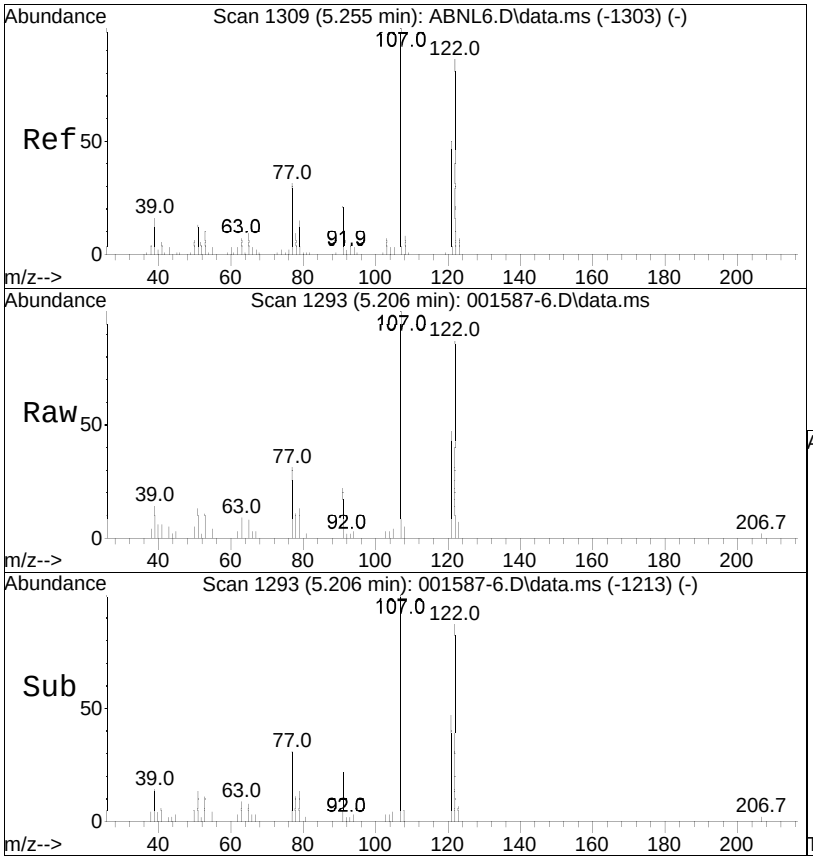


#22
2-Nitrophenol
Concen: 1.27 ug/ml
RT: 5.109 min Scan# 1262
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:139 Resp: 5117

Ion	Ratio	Lower	Upper
139	100		
109	27.1	19.4	29.0
65	47.9	46.1	69.1

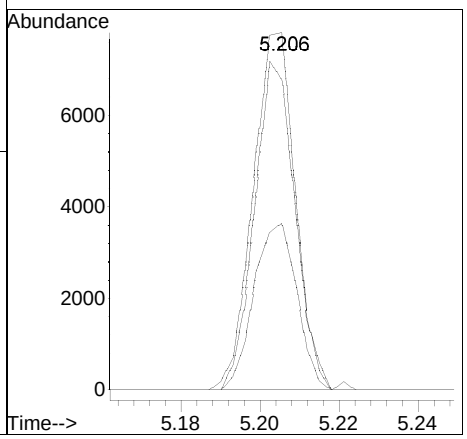


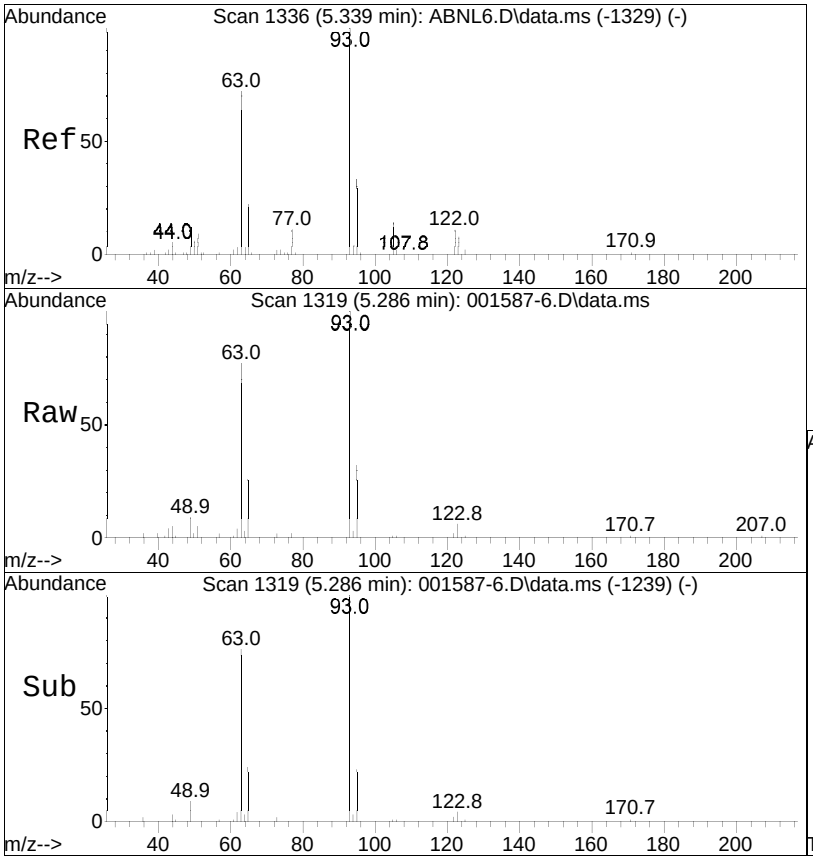


#23
2,4-Dimethylphenol
Concen: 0.81 ug/ml
RT: 5.206 min Scan# 1293
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:107 Resp: 5801

Ion	Ratio	Lower	Upper
107	100		
121	47.3	40.0	60.0
122	87.8	70.2	105.4

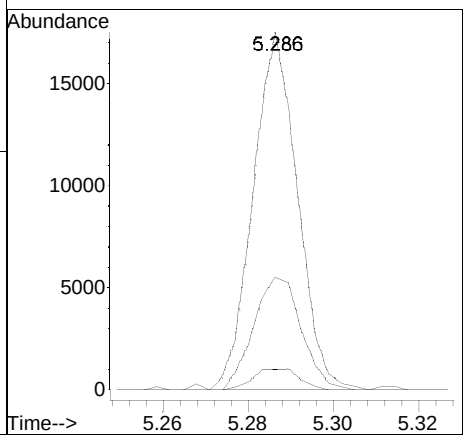


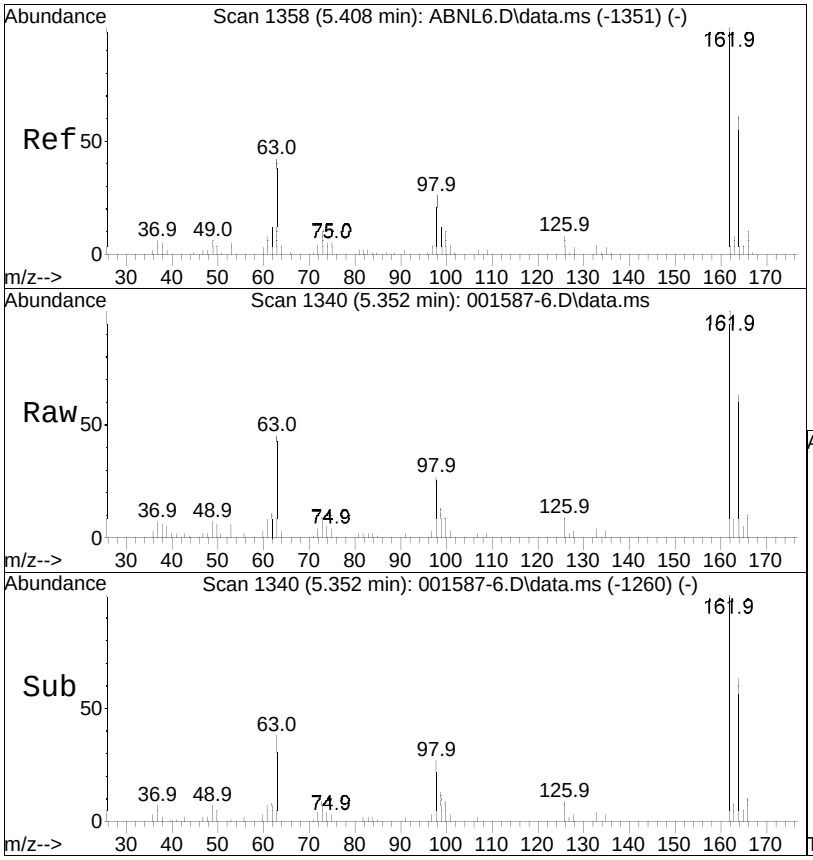


#24
Bis(2-chloroethoxy)methane
Concen: 1.38 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 93 Resp: 12550

Ion	Ratio	Lower	Upper
93	100		
95	34.0	25.8	38.8
123	6.2	10.1	15.1#

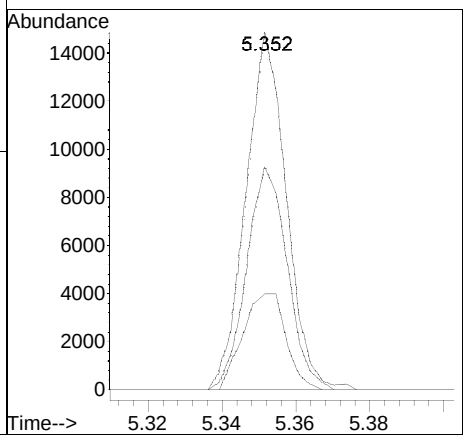


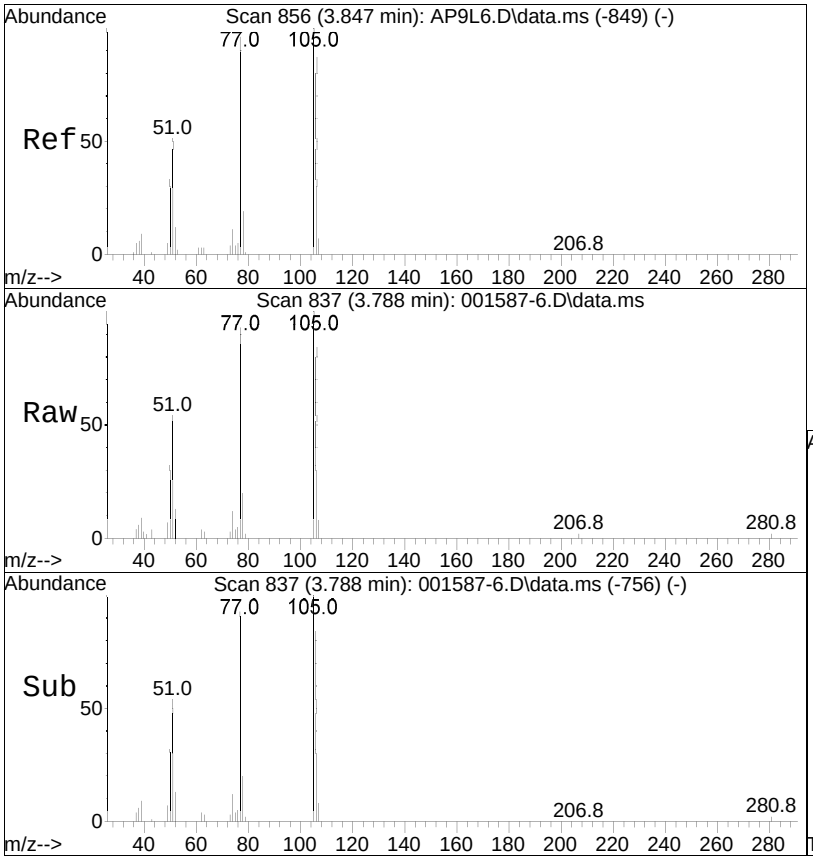


#25
2,4-Dichlorophenol
Concen: 1.34 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:162 Resp: 11183

Ion	Ratio	Lower	Upper
162	100		
164	63.1	51.0	76.4
98	28.8	32.2	48.2#

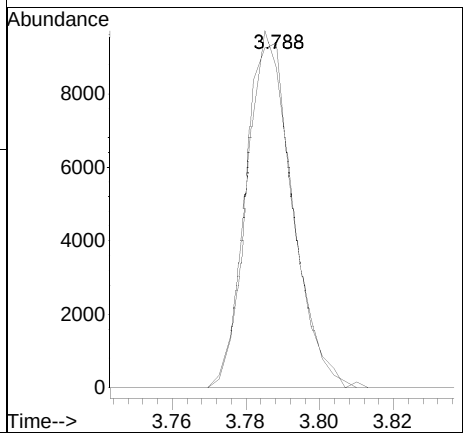


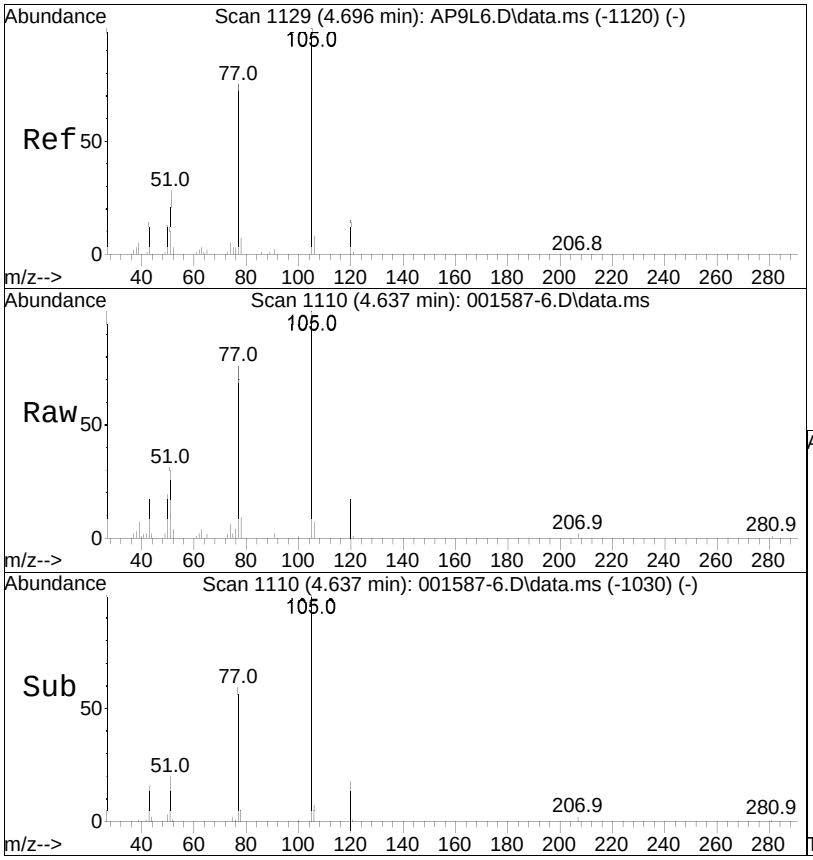


#28
Benzaldehyde
Concen: 1.83 ug/ml
RT: 3.788 min Scan# 837
Delta R.T. 0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:105 Resp: 8343

Ion	Ratio	Lower	Upper
105	100		
77	100.0	82.2	123.4

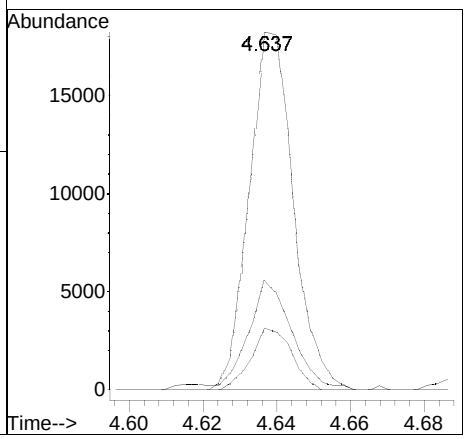


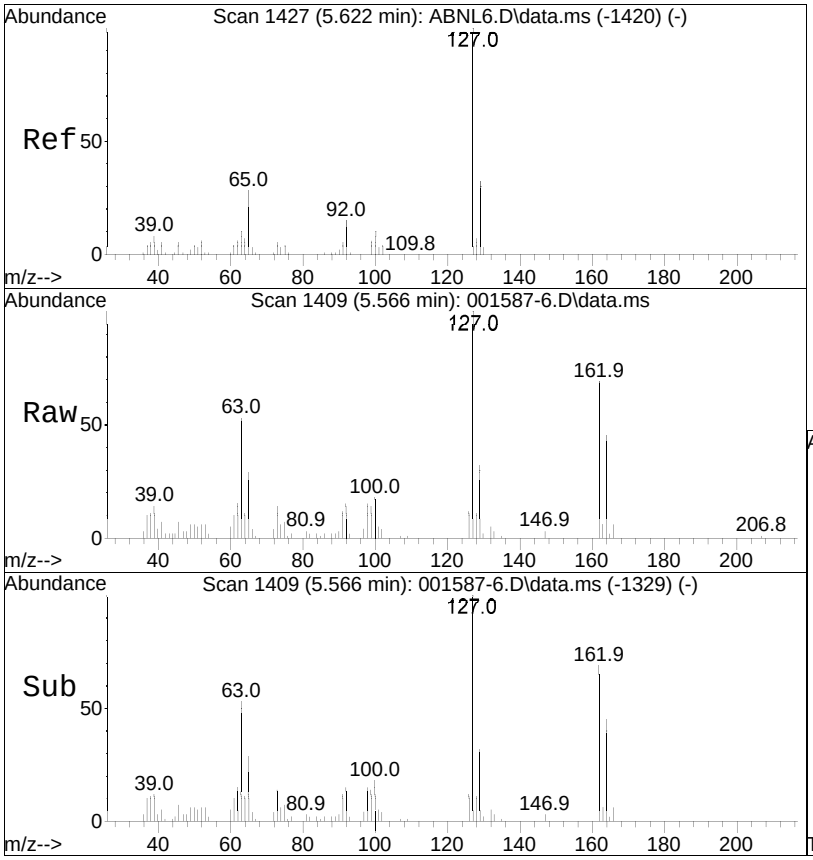


#29
Acetophenone
Concen: 1.66 ug/ml
RT: 4.637 min Scan# 1110
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:105 Resp: 15082

Ion	Ratio	Lower	Upper
105	100		
120	15.9	20.5	30.7#
51	31.3	34.9	52.3#

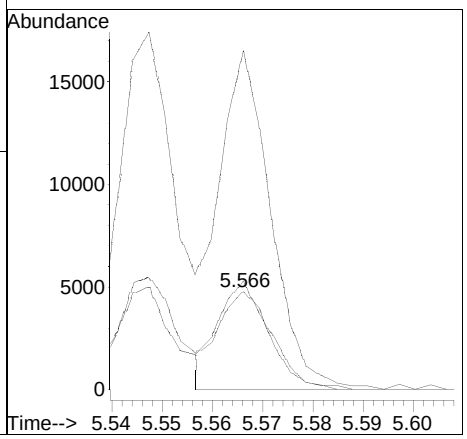


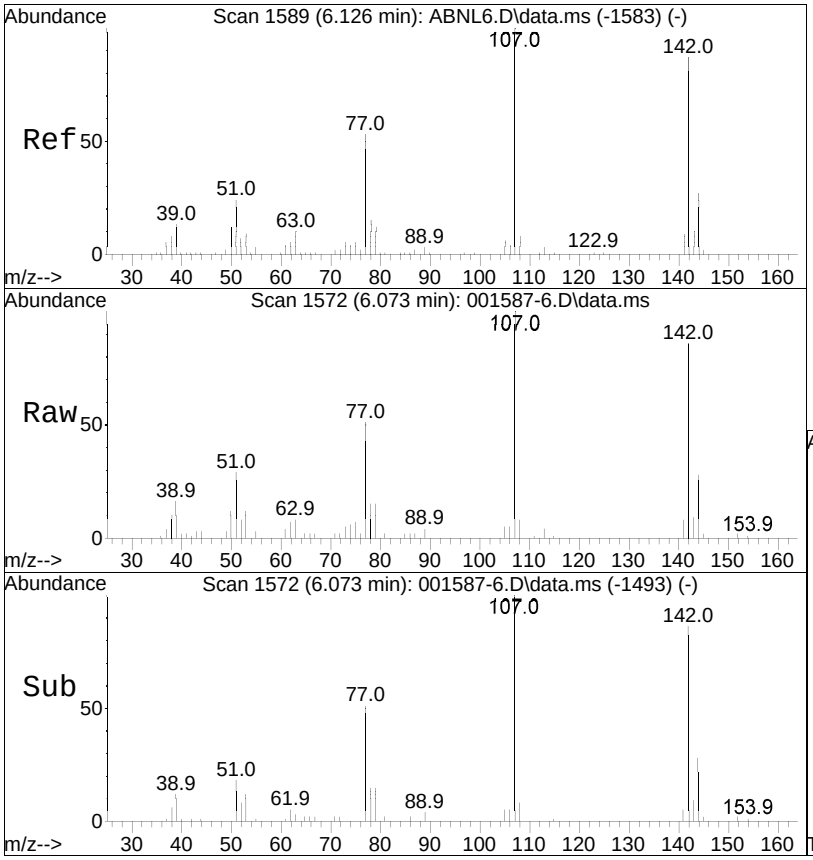


#40
4-Chloroaniline
Concen: 1.13 ug/ml
RT: 5.566 min Scan# 1409
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 65 Resp: 3503

Ion	Ratio	Lower	Upper
65	100		
127	336.8	237.6	356.4
129	107.4	76.3	114.5

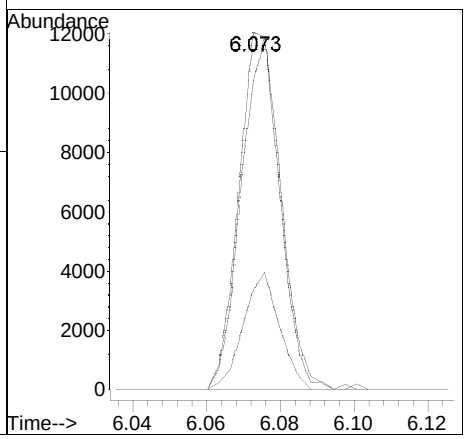


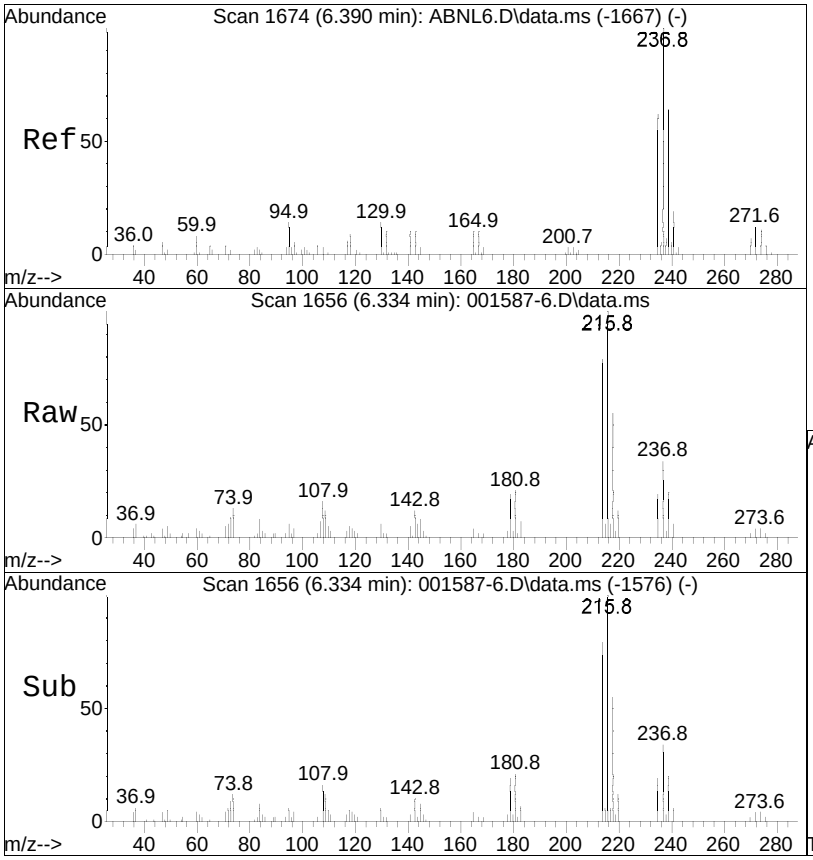


#42
p-Chloro-m-cresol
Concen: 1.27 ug/ml
RT: 6.073 min Scan# 1572
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:107 Resp: 9452

Ion	Ratio	Lower	Upper
107	100		
144	28.5	20.9	31.3
142	90.8	66.1	99.1

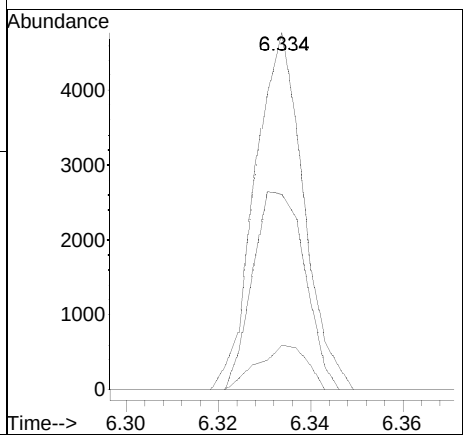


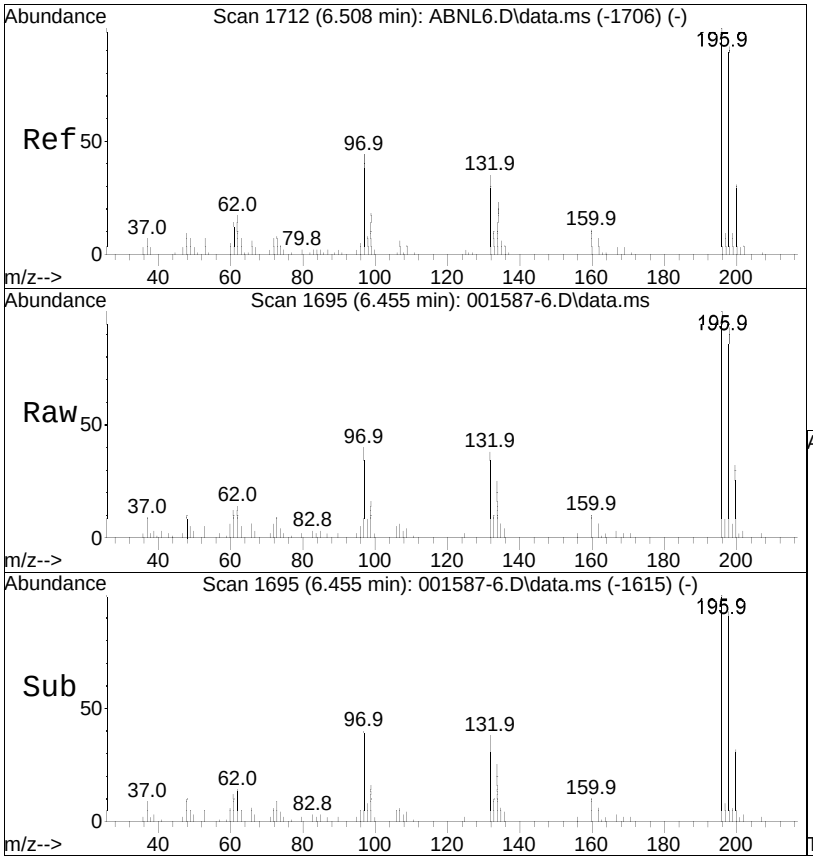


#45
Hexachlorocyclopentadiene
Concen: 0.50 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:237 Resp: 3483

Ion	Ratio	Lower	Upper
237	100		
235	59.5	49.7	74.5
272	0.0	9.8	14.6#

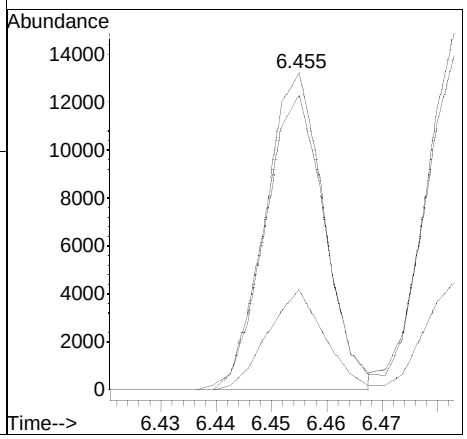


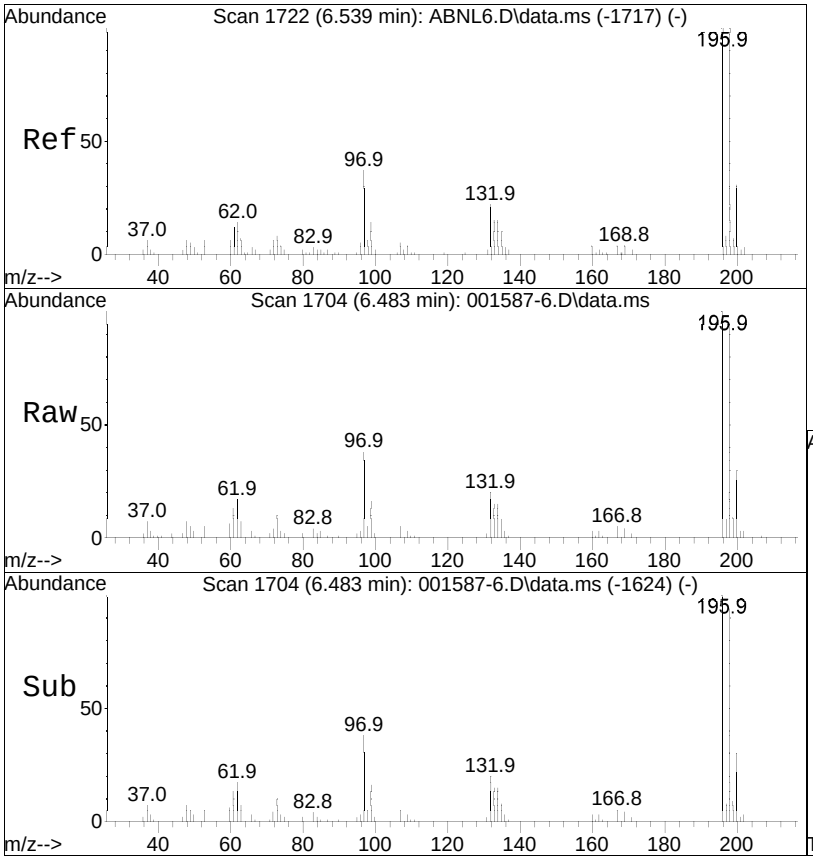


#46
2,4,6-Trichlorophenol
Concen: 1.33 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:196 Resp: 9785

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.5	116.3
200	30.4	23.8	35.6

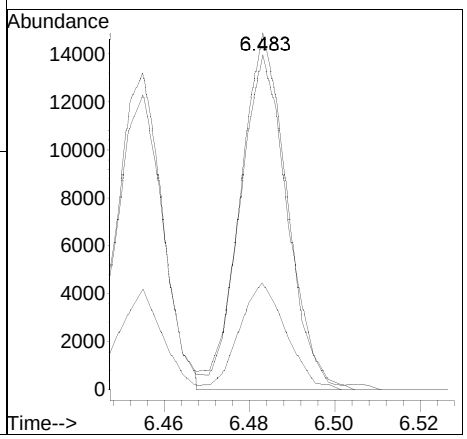


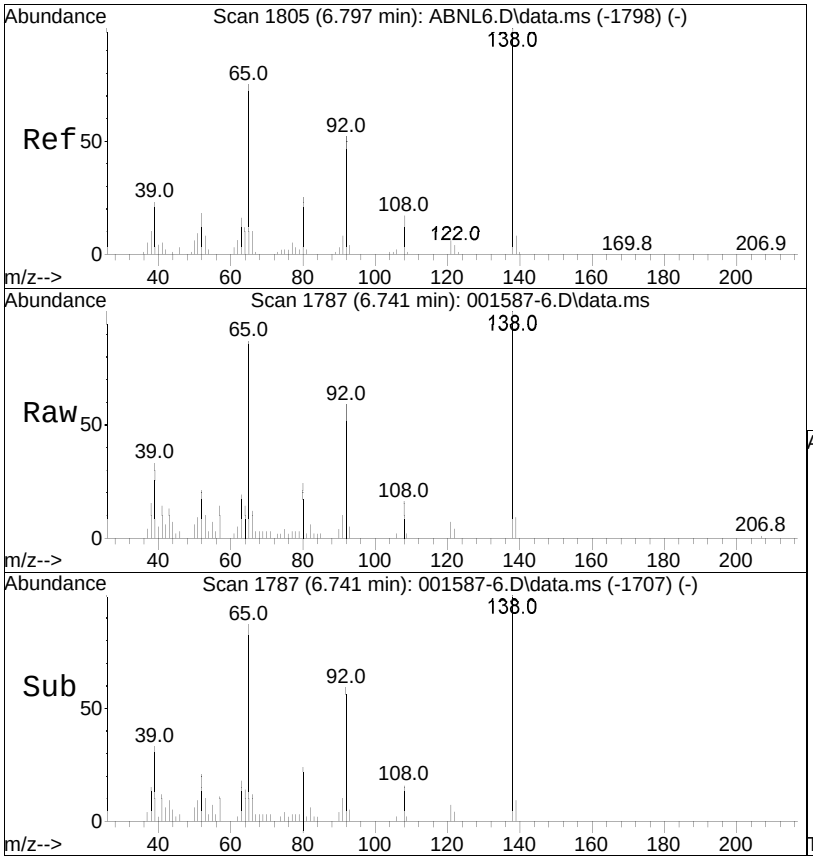


#47
2,4,5-Trichlorophenol
Concen: 1.37 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:196 Resp: 11303

Ion	Ratio	Lower	Upper
196	100		
200	30.2	25.4	38.0
198	95.1	78.0	117.0

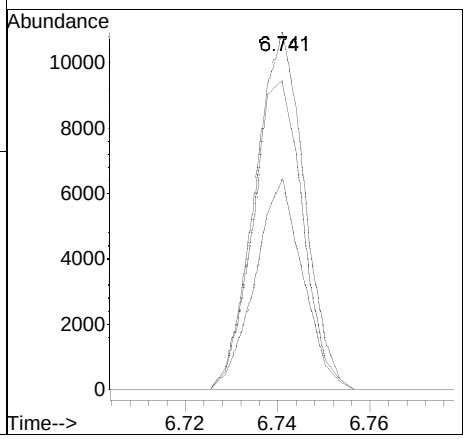


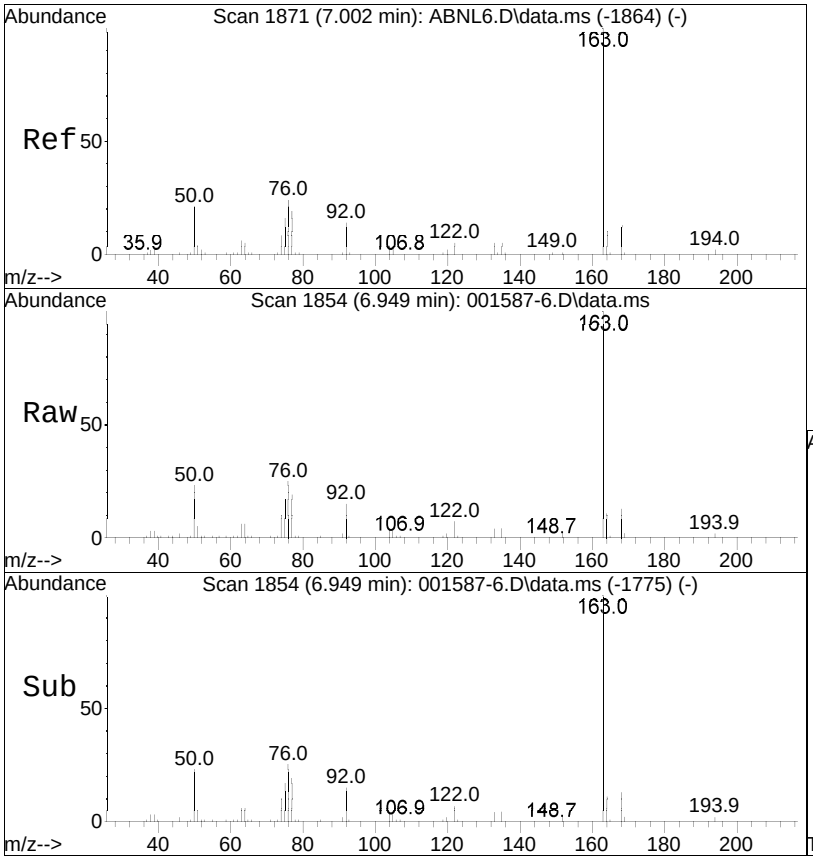


#50
2-Nitroaniline
Concen: 1.44 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:138 Resp: 8079

Ion	Ratio	Lower	Upper
138	100		
92	57.0	53.5	80.3
65	86.9	86.3	129.5

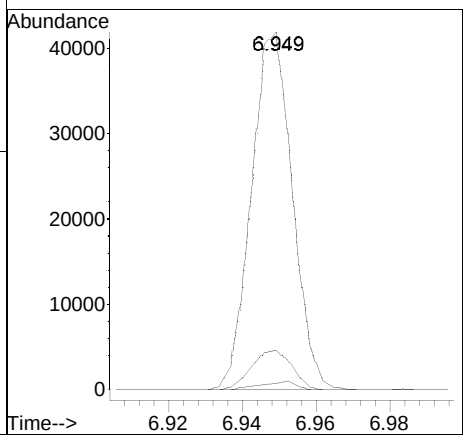


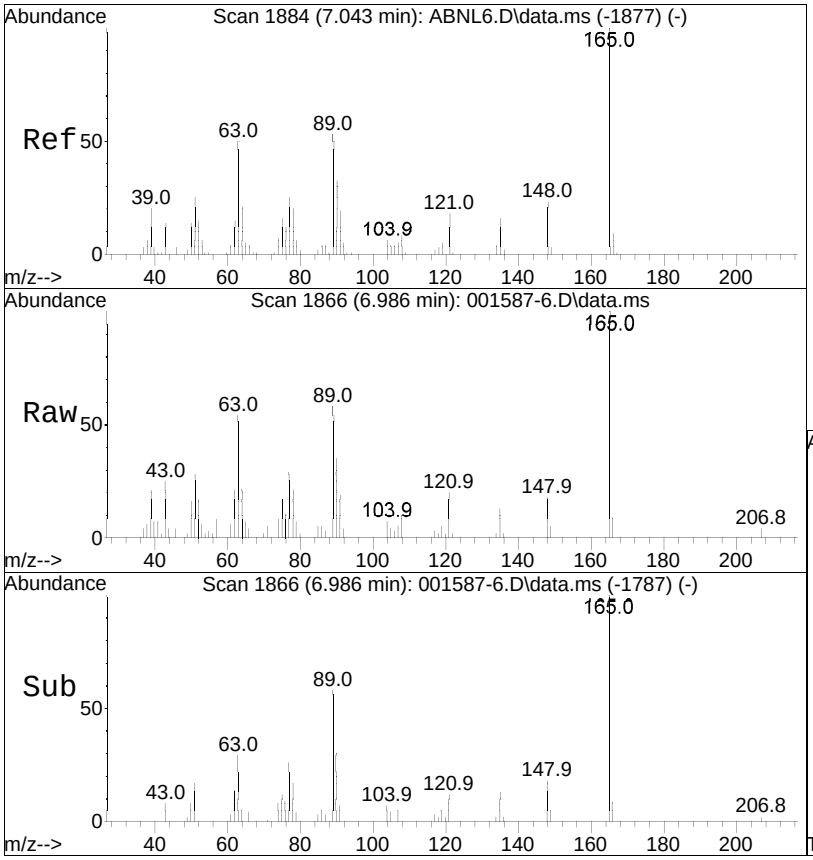


#53
Dimethyl phthalate
Concen: 1.26 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:163 Resp: 31977

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	11.1	7.9	11.9

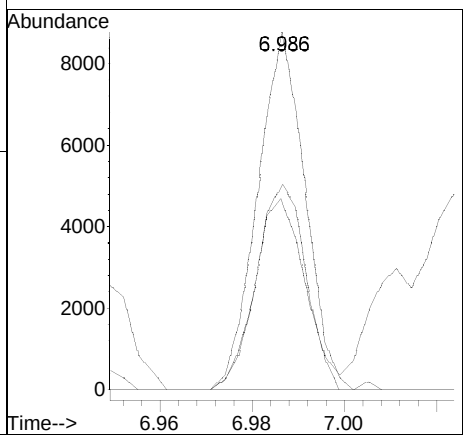


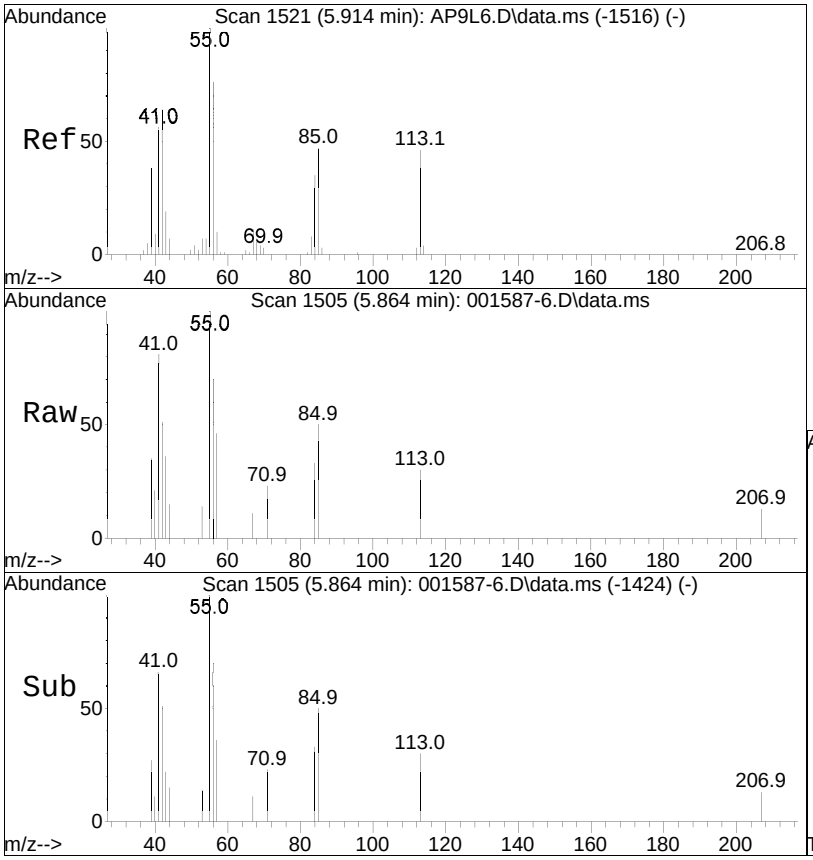


#55
2,6-Dinitrotoluene
Concen: 1.32 ug/ml
RT: 6.986 min Scan# 1866
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:165 Resp: 6257

Ion	Ratio	Lower	Upper
165	100		
89	59.9	54.2	81.2
63	57.6	64.2	96.2#

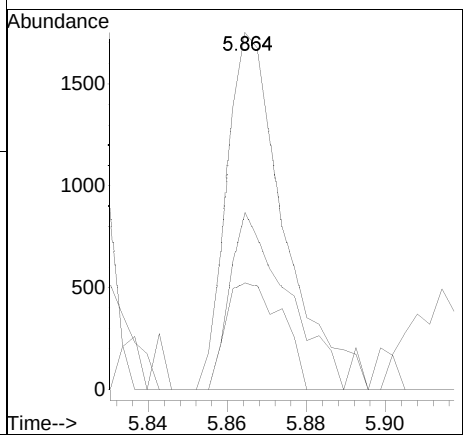


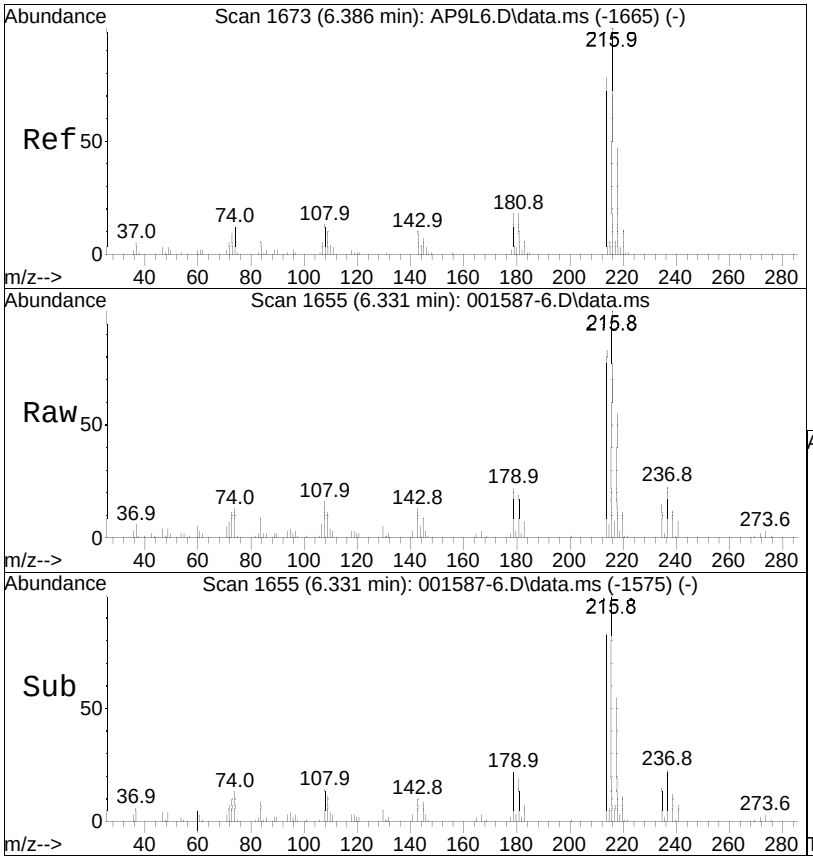


#62
Caprolactam
Concen: 0.56 ug/ml
RT: 5.864 min Scan# 1505
Delta R.T. 0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 55 Resp: 1777

Ion	Ratio	Lower	Upper
55	100		
85	49.4	19.8	29.6#
113	29.0	29.6	44.4#

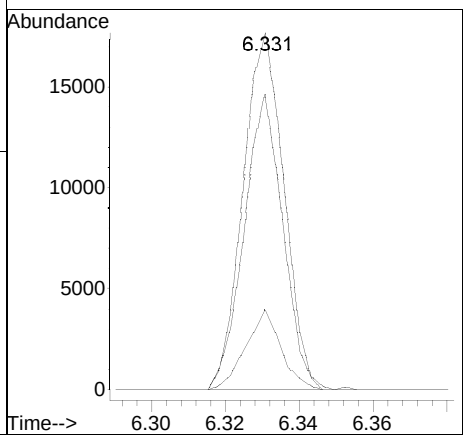


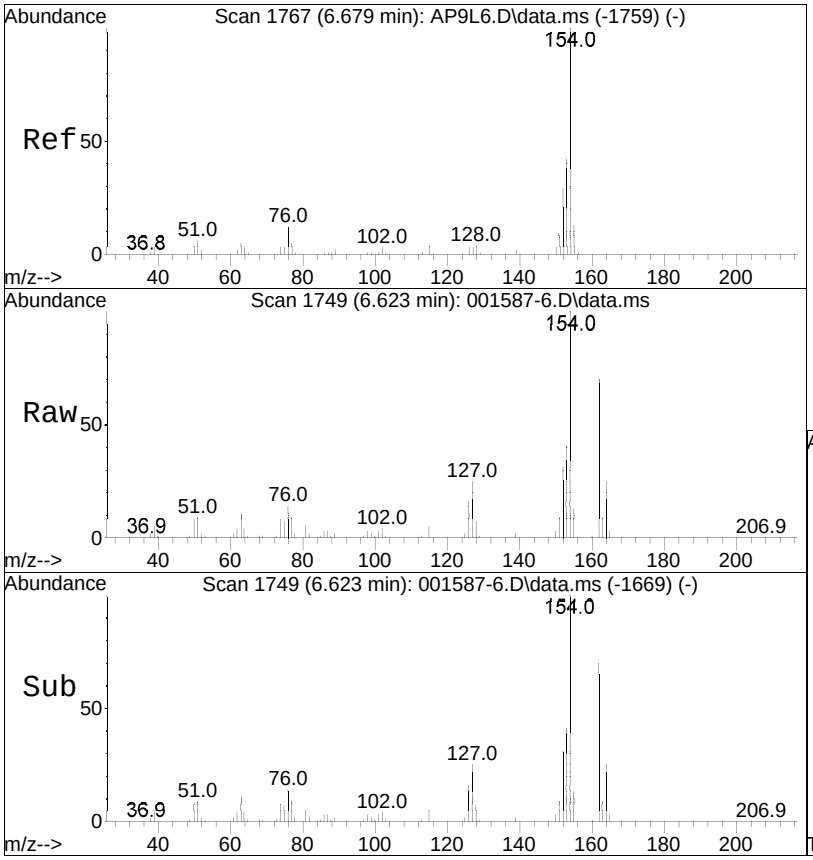


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.28 ug/ml
RT: 6.331 min Scan# 1655
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:216 Resp: 13610

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.7	95.5
179	19.4	19.0	28.6

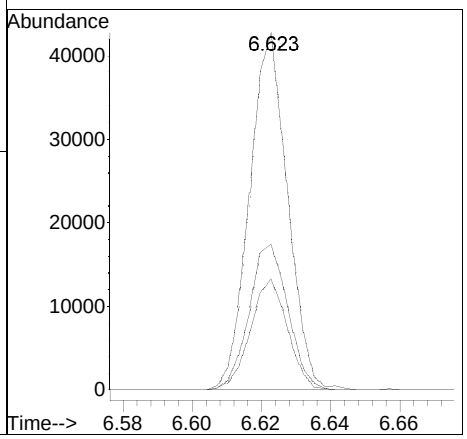


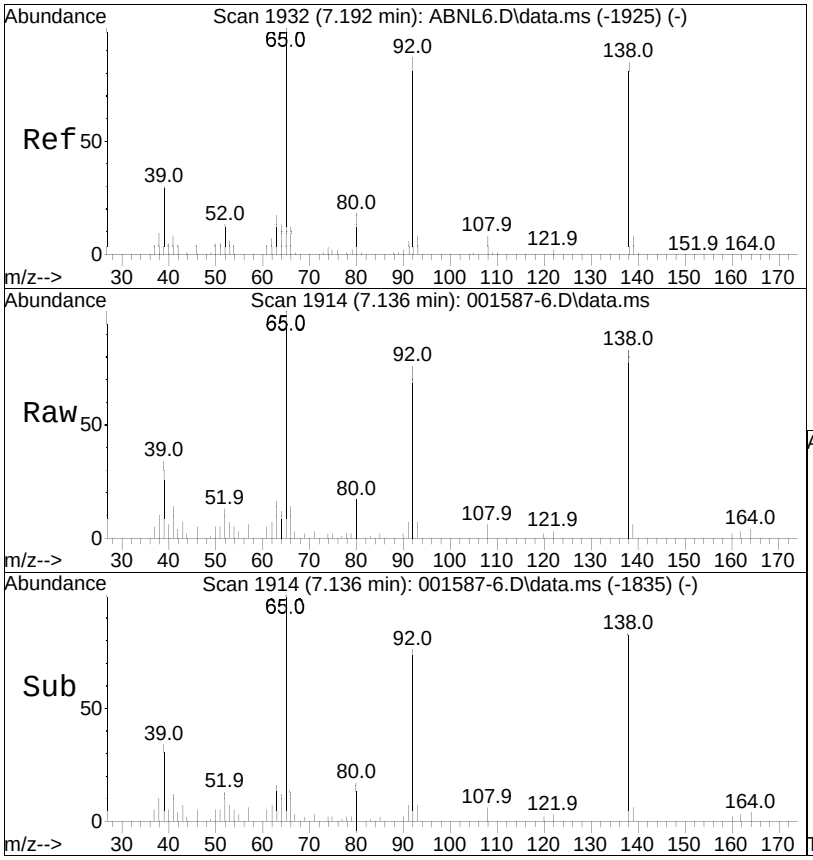


#64
Biphenyl
Concen: 1.50 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:154 Resp: 32367

Ion	Ratio	Lower	Upper
154	100		
153	41.9	32.3	48.5
152	30.5	22.5	33.7

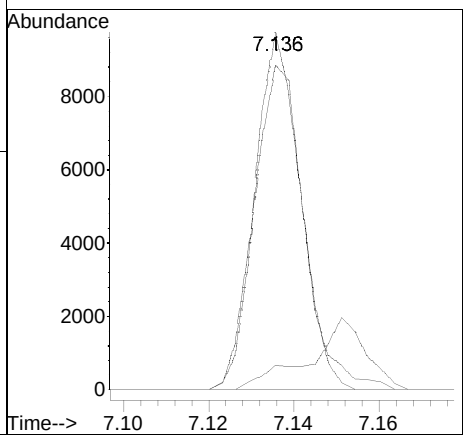


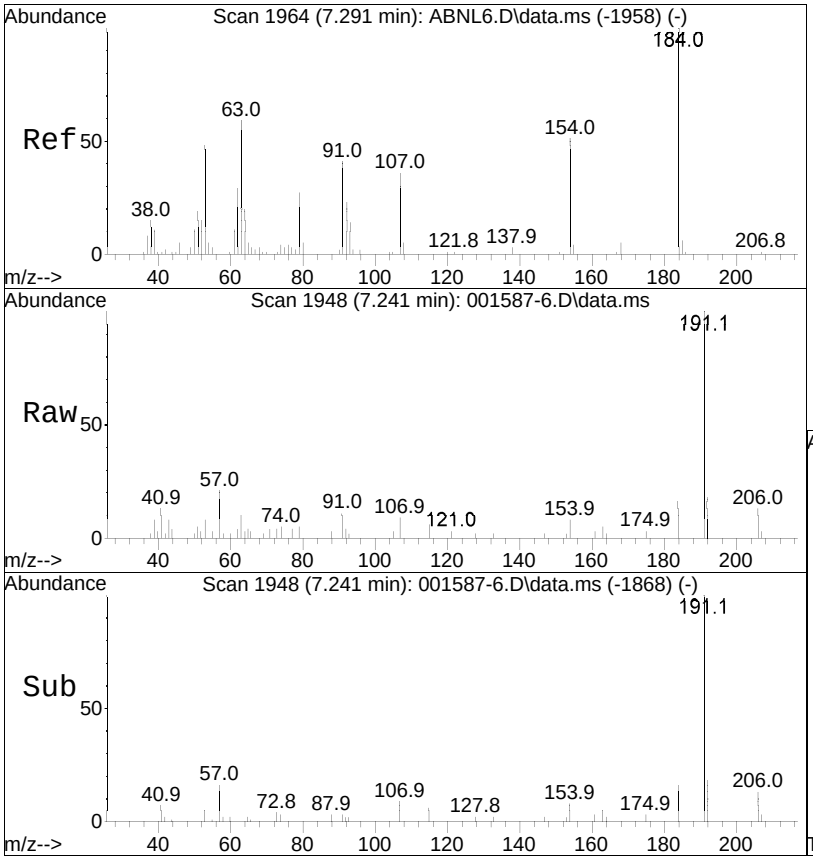


#66
3-Nitroaniline
Concen: 1.36 ug/ml
RT: 7.136 min Scan# 1914
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:138 Resp: 7142

Ion	Ratio	Lower	Upper
138	100		
92	101.4	93.4	140.2
108	25.2	9.5	14.3#

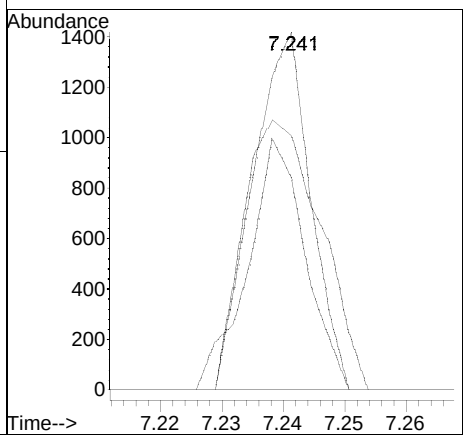


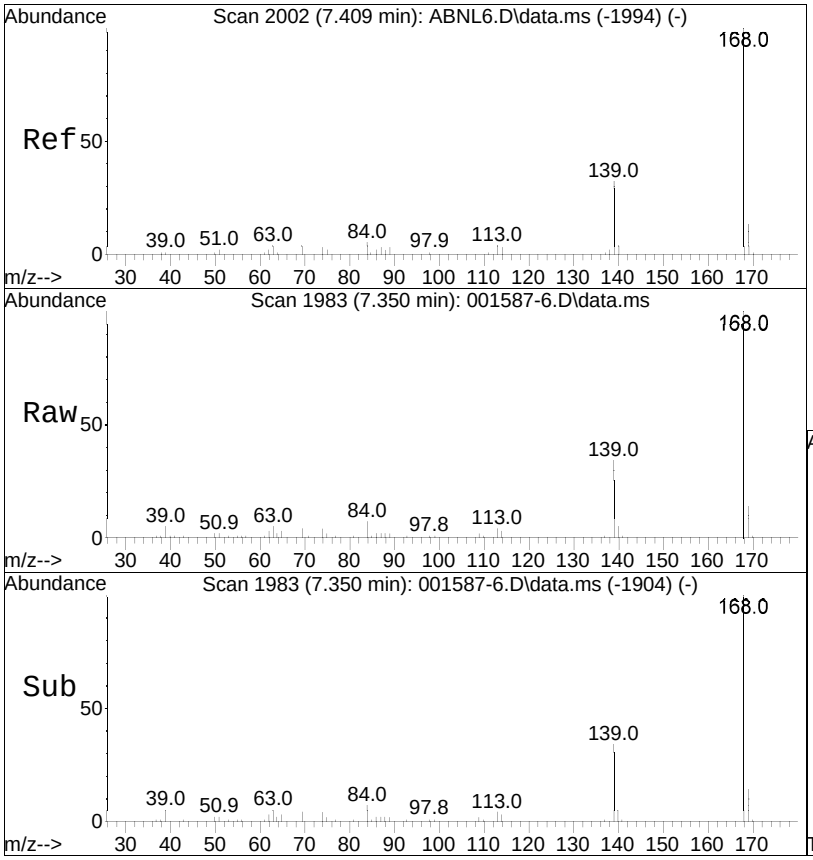


#68
2,4-Dinitrophenol
Concen: 0.29 ug/ml
RT: 7.241 min Scan# 1948
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:184 Resp: 923

Ion	Ratio	Lower	Upper
184	100		
107	69.7	37.7	56.5#
91	100.3	46.3	69.5#

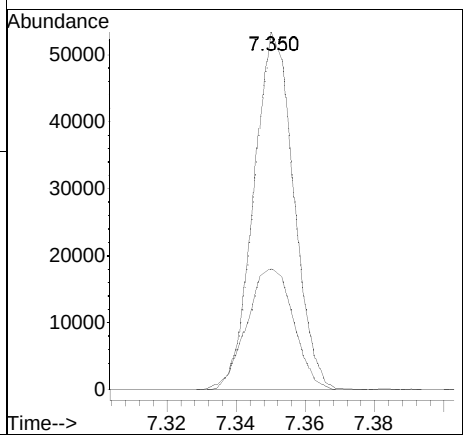


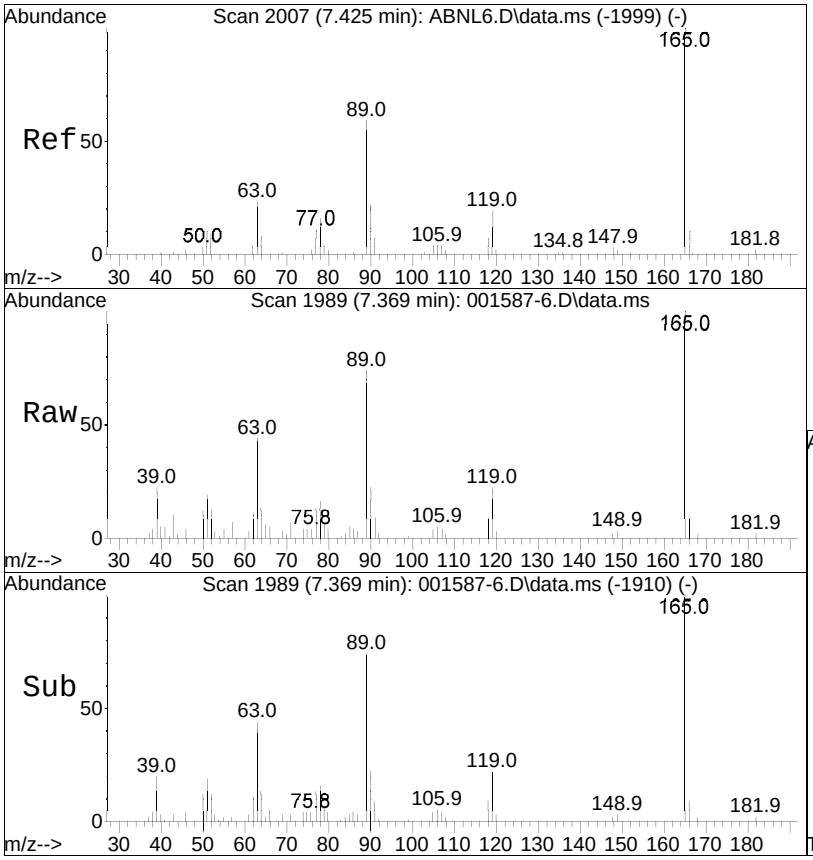


#69
Dibenzofuran
Concen: 1.25 ug/ml
RT: 7.350 min Scan# 1983
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:168 Resp: 42390

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.4	47.2

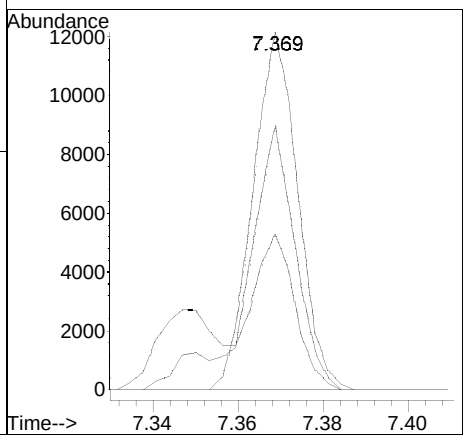


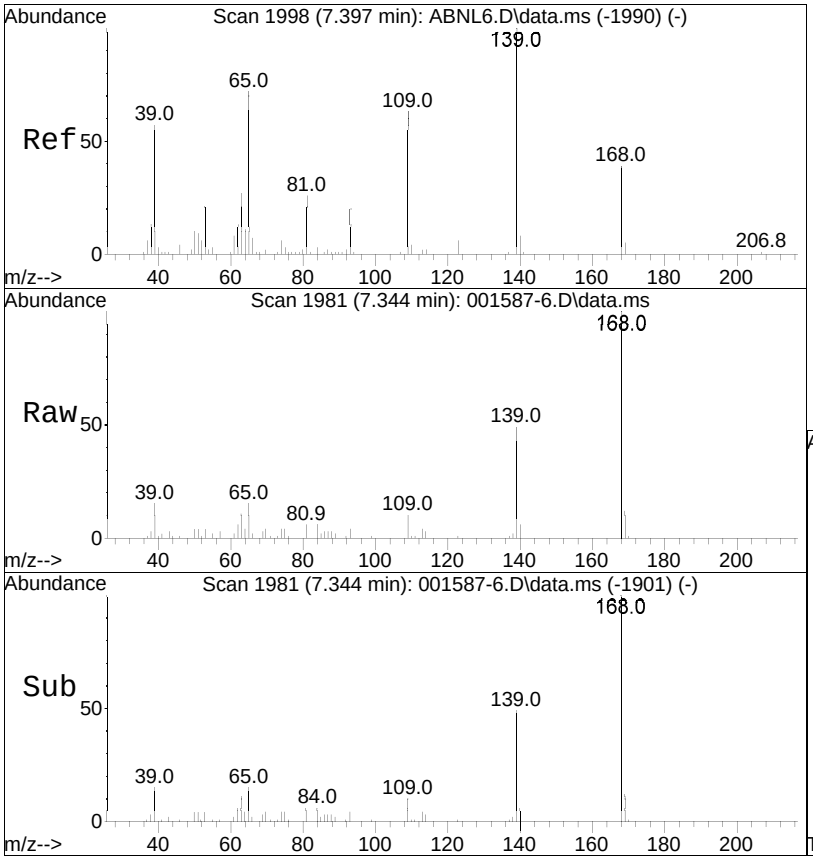


#70
2,4-Dinitrotoluene
Concen: 1.35 ug/ml
RT: 7.369 min Scan# 1989
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:165 Resp: 8874

Ion	Ratio	Lower	Upper
165	100		
89	70.8	72.0	108.0#
63	39.7	52.7	79.1#

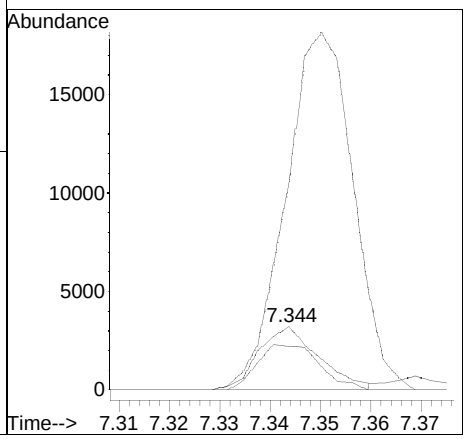


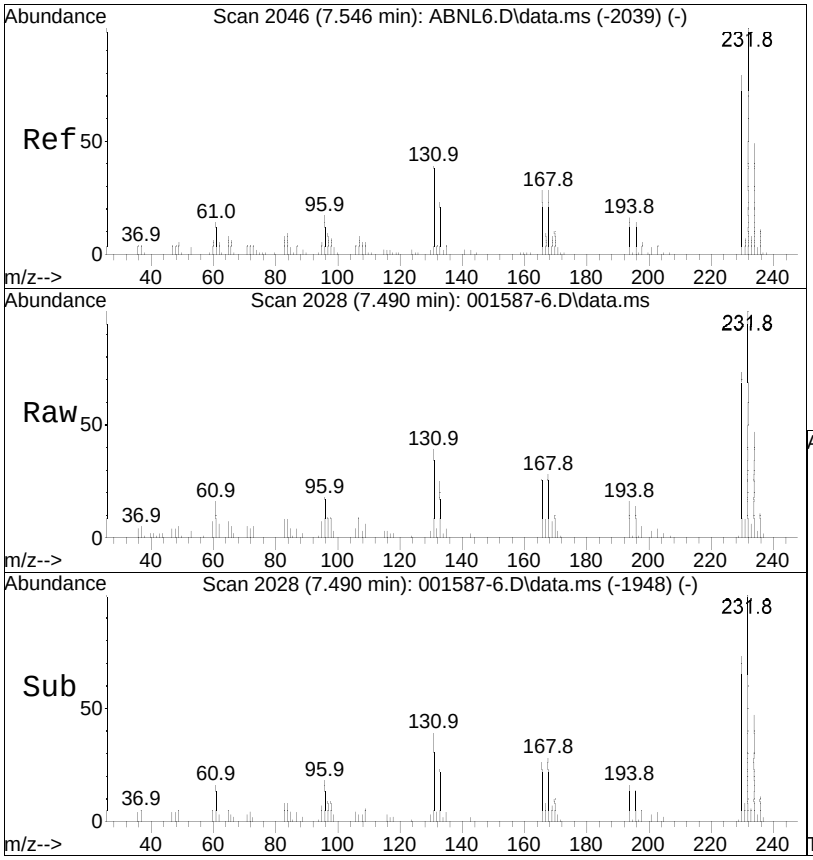


#71
4-Nitrophenol
Concen: 0.69 ug/ml
RT: 7.344 min Scan# 1981
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion: 65 Resp: 2677

Ion	Ratio	Lower	Upper
65	100		
109	73.9	47.4	71.2#
139	629.7	76.6	115.0#

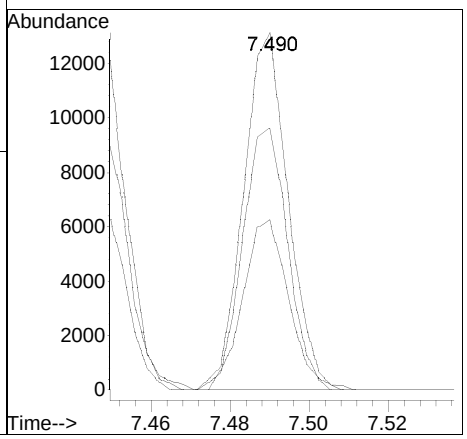


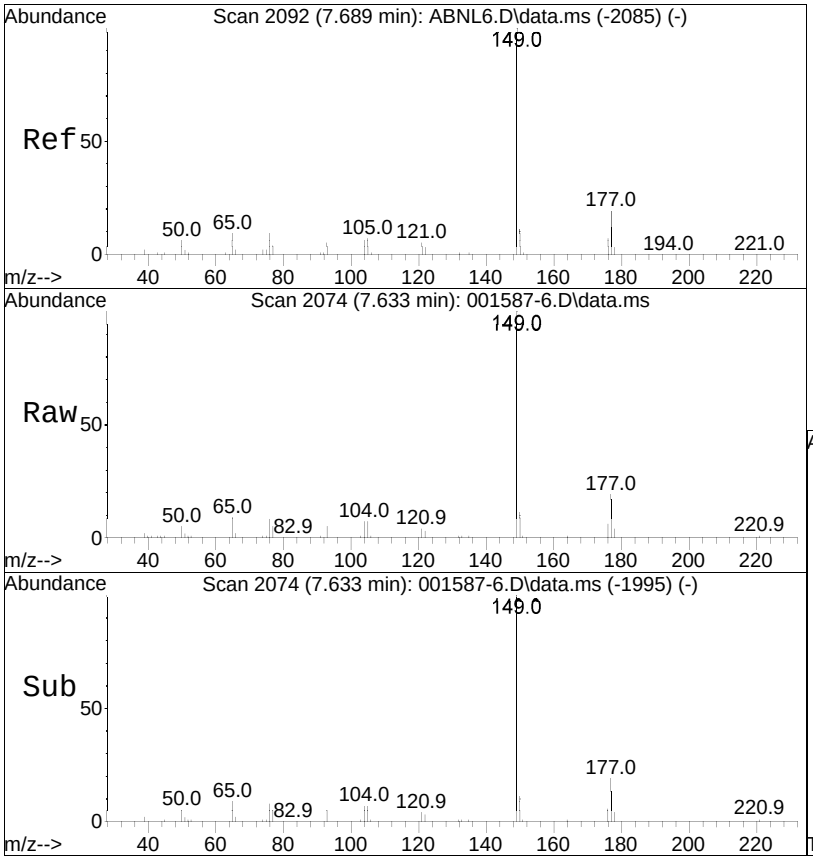


#73
2,3,4,6-Tetrachlorophenol
Concen: 1.42 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:232 Resp: 10328

Ion	Ratio	Lower	Upper
232	100		
230	74.0	61.8	92.8
234	48.5	36.2	54.2

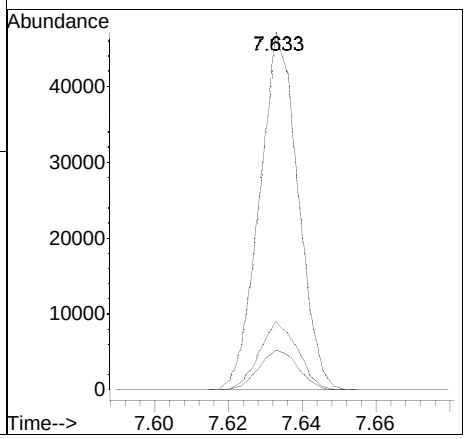


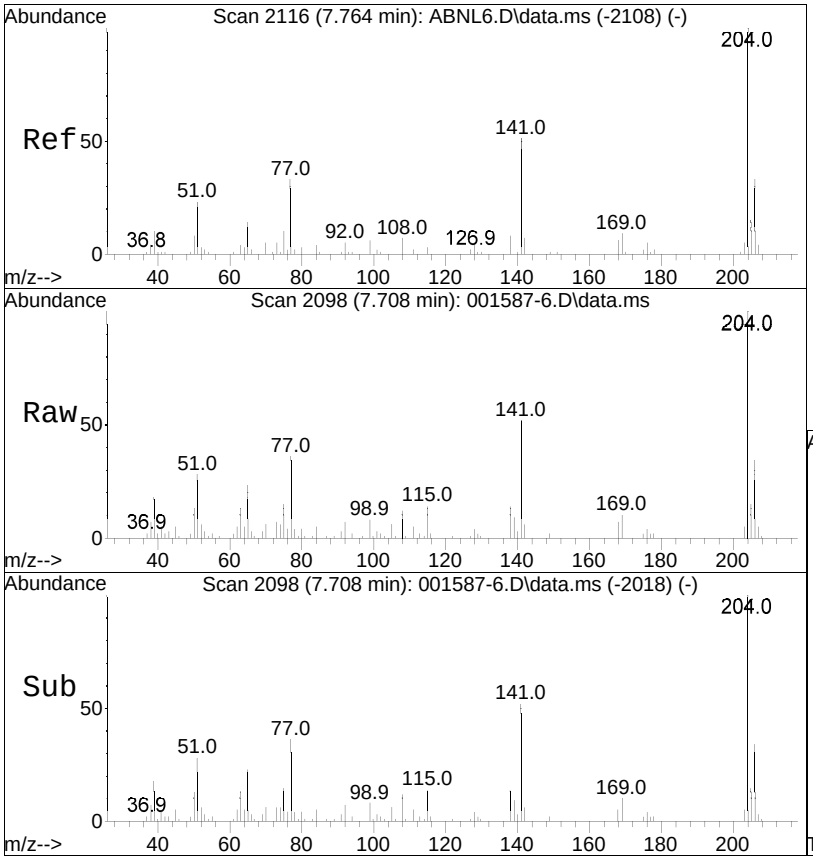


#74
Diethyl phthalate
Concen: 1.27 ug/ml
RT: 7.633 min Scan# 2074
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:149 Resp: 33895

Ion	Ratio	Lower	Upper
149	100		
177	19.2	16.1	24.1
150	11.5	9.4	14.2

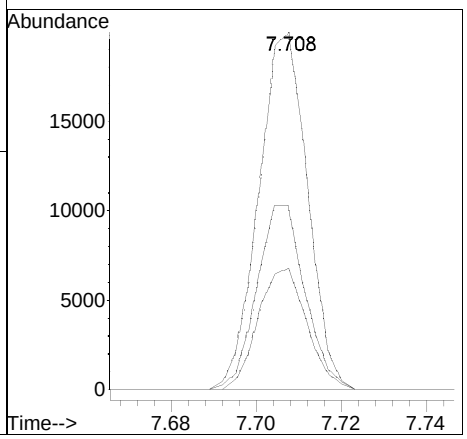


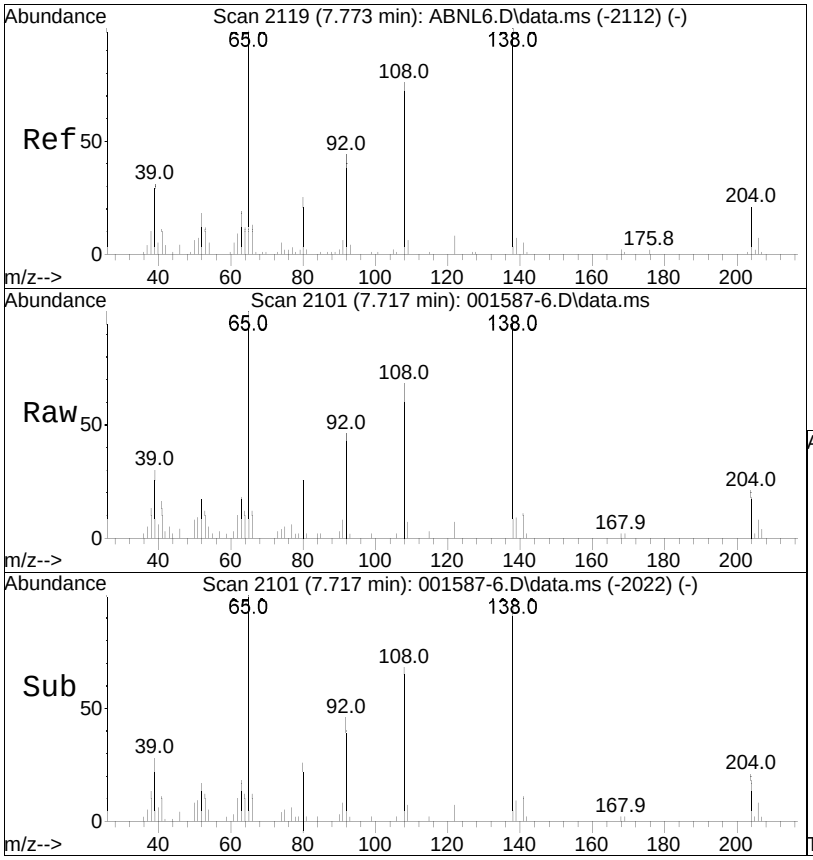


#76
4-Chlorophenyl phenyl ether
Concen: 1.17 ug/ml
RT: 7.708 min Scan# 2098
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:204 Resp: 15757

Ion	Ratio	Lower	Upper
204	100		
206	34.2	25.8	38.6
141	51.2	53.6	80.4#

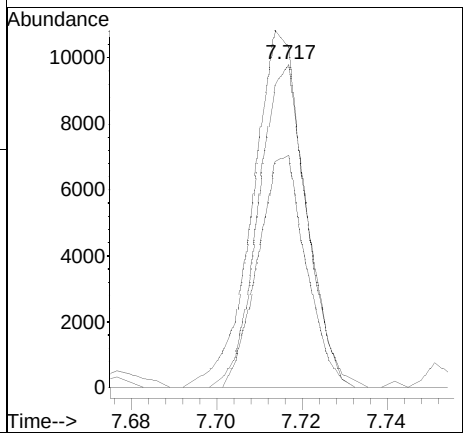


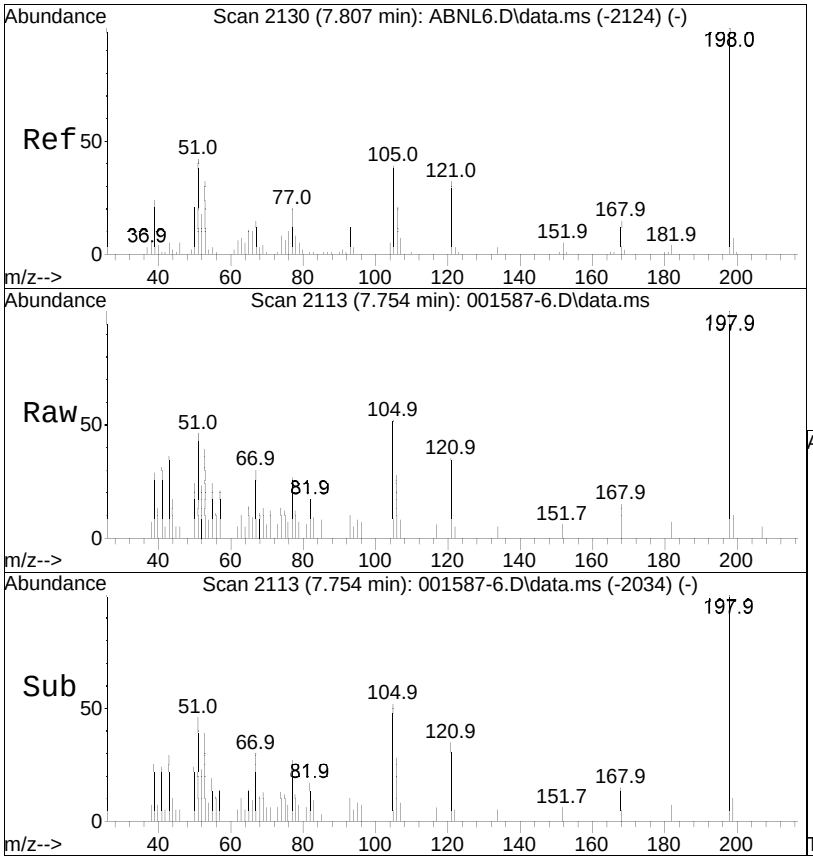


#77
4-Nitroaniline
Concen: 1.52 ug/ml
RT: 7.717 min Scan# 2101
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:138 Resp: 7682

Ion	Ratio	Lower	Upper
138	100		
108	71.9	52.1	78.1
65	120.2	115.0	172.6

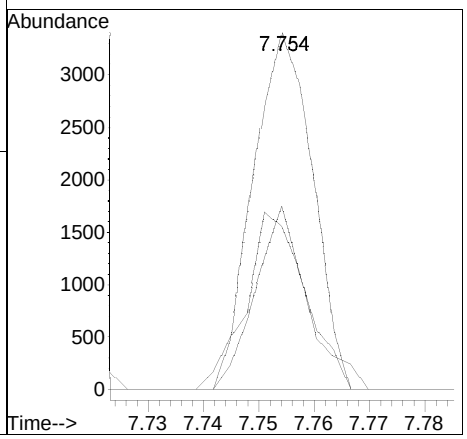


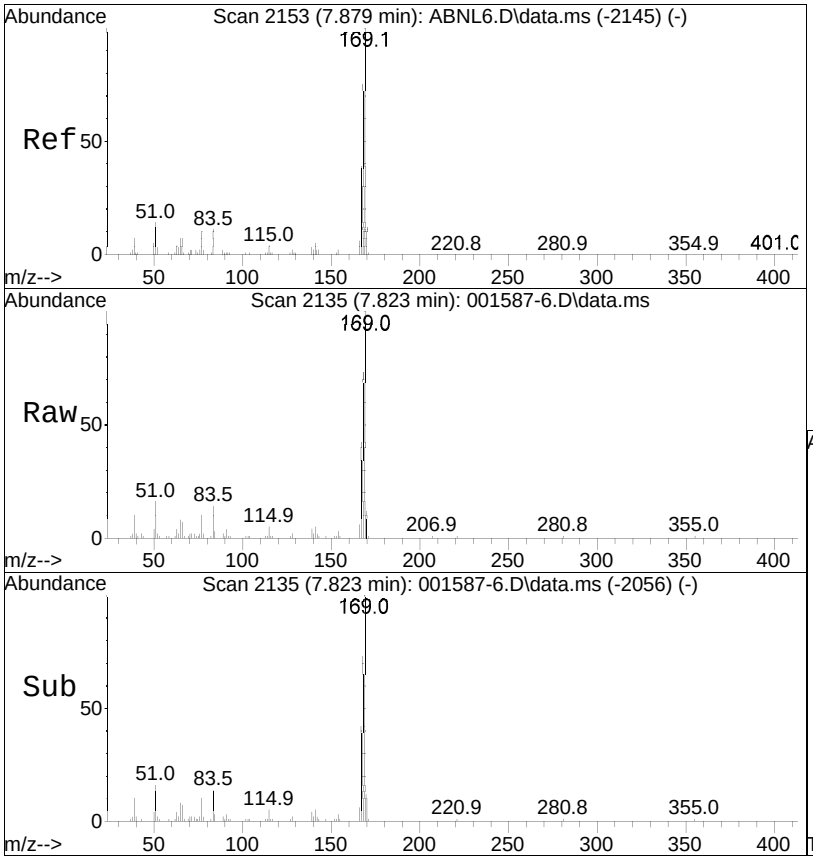


#78
4,6-Dinitro-o-cresol
Concen: 0.64 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:198 Resp: 2538

Ion	Ratio	Lower	Upper
198	100		
51	50.3	76.0	114.0#
105	44.1	45.6	68.4#

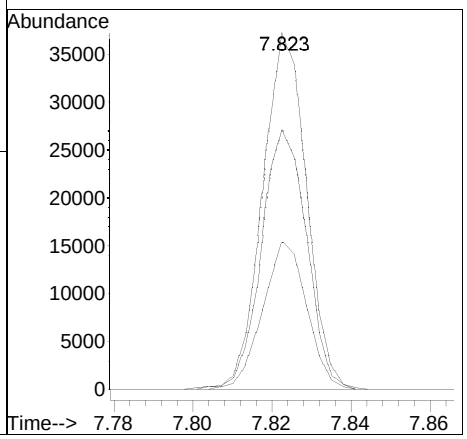


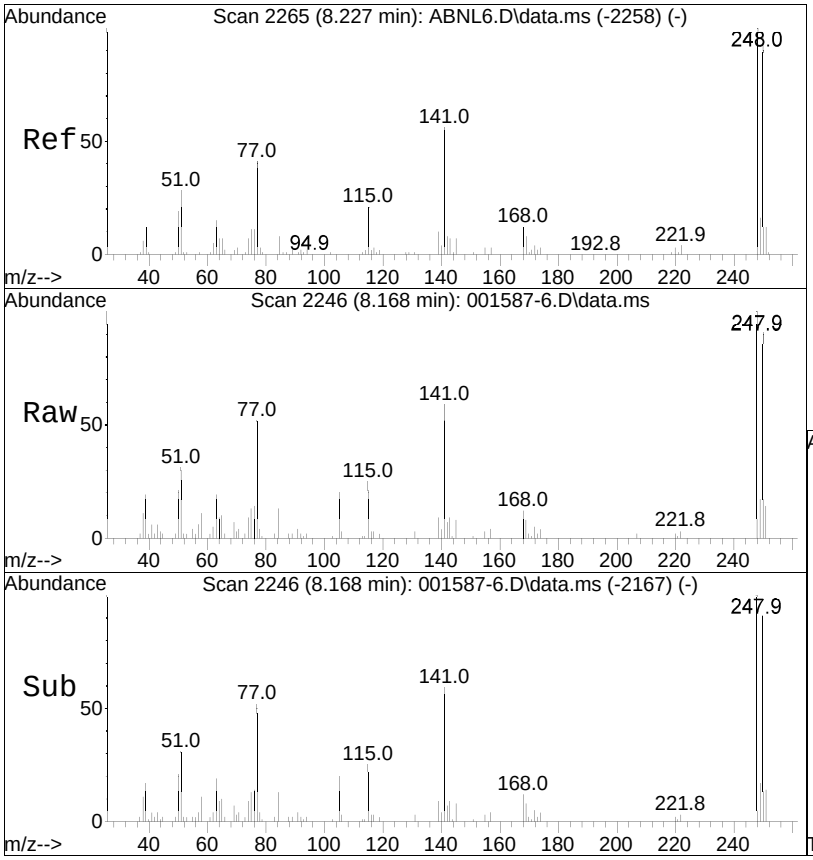


#79
NDPA/DPA
Concen: 1.26 ug/ml
RT: 7.823 min Scan# 2135
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:169 Resp: 28639

Ion	Ratio	Lower	Upper
169	100		
168	75.3	54.0	81.0
167	42.1	28.6	42.8

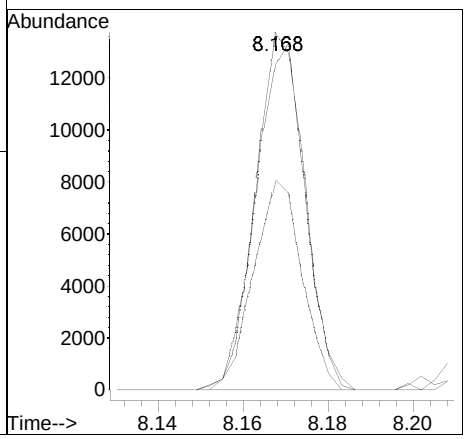


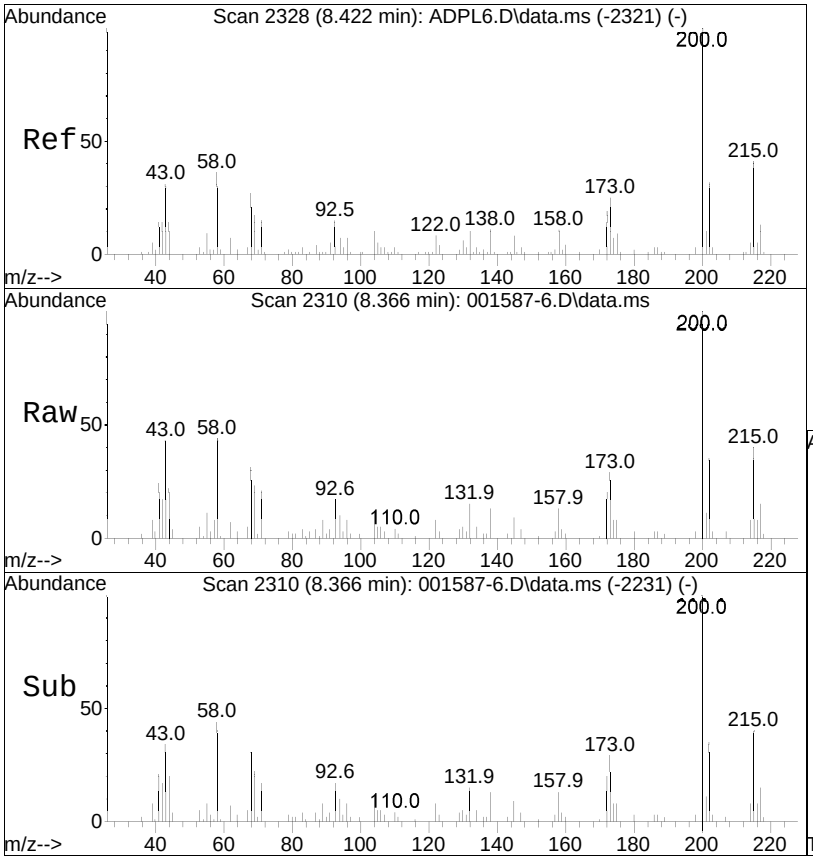


#82
4-Bromophenyl phenyl ether
Concen: 1.24 ug/ml
RT: 8.168 min Scan# 2246
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:248 Resp: 10962

Ion	Ratio	Lower	Upper
248	100		
141	58.5	76.6	114.8#
250	98.2	77.3	115.9

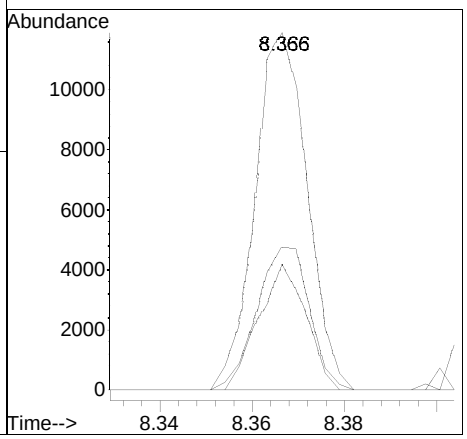


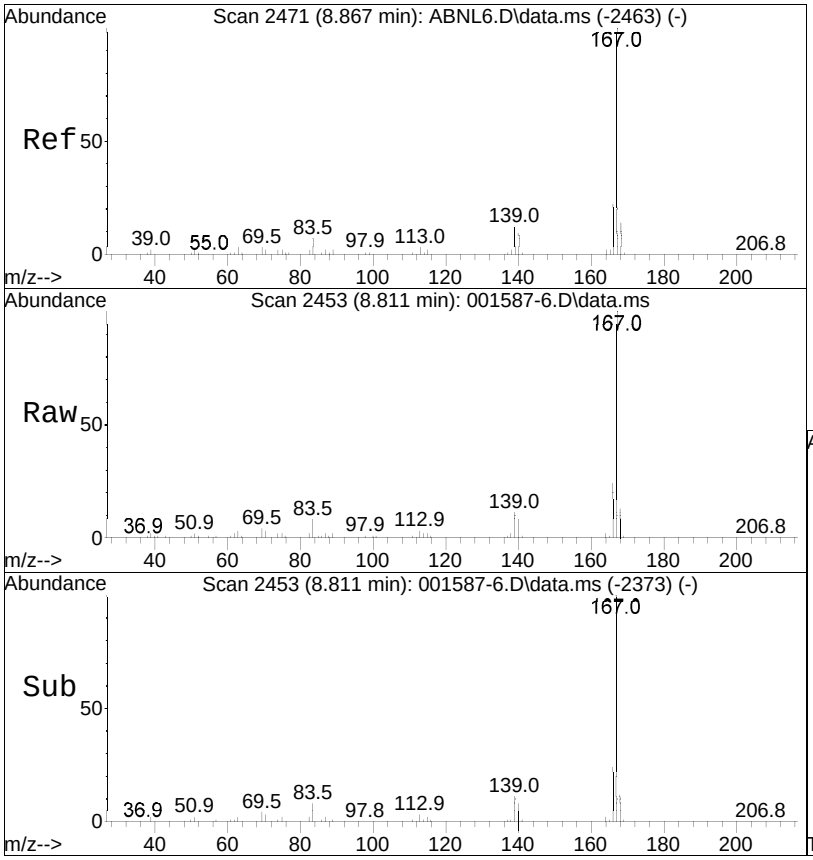


#89
Atrazine
Concen: 1.60 ug/ml
RT: 8.366 min Scan# 2310
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:200 Resp: 9289

Ion	Ratio	Lower	Upper
200	100		
202	32.0	25.8	38.6
215	40.4	40.2	60.4

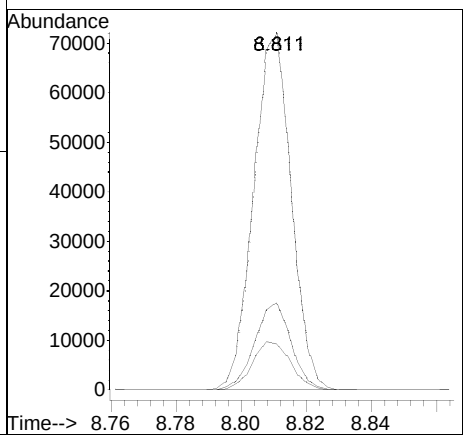


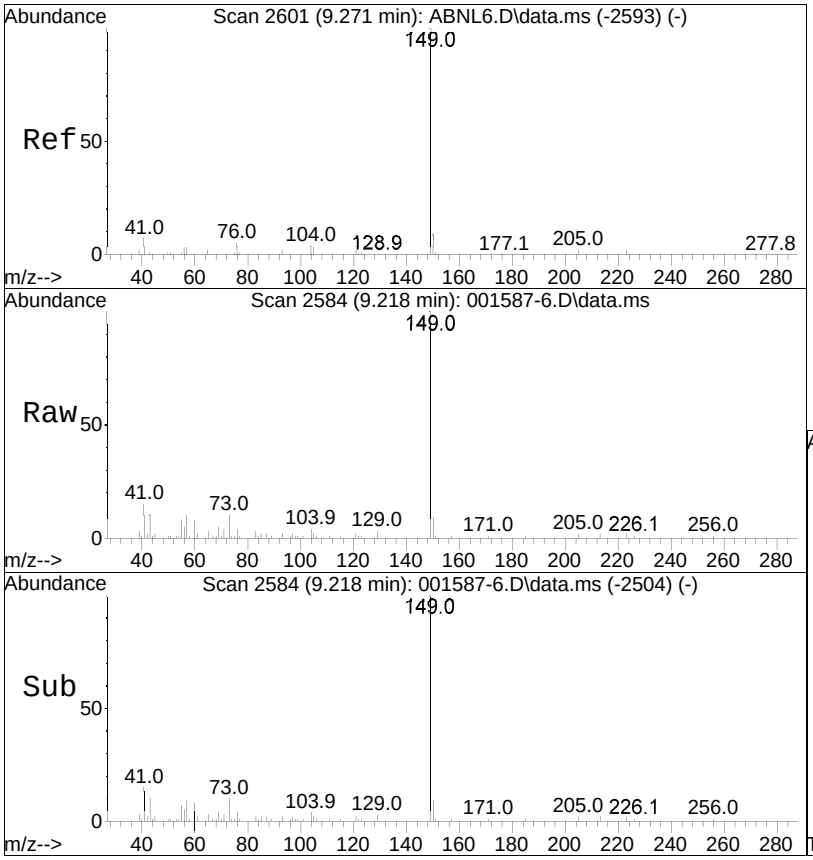


#93
Carbazole
Concen: 1.44 ug/ml
RT: 8.811 min Scan# 2453
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:167 Resp: 57254

Ion	Ratio	Lower	Upper
167	100		
168	13.9	10.6	15.8
166	23.8	17.4	26.0

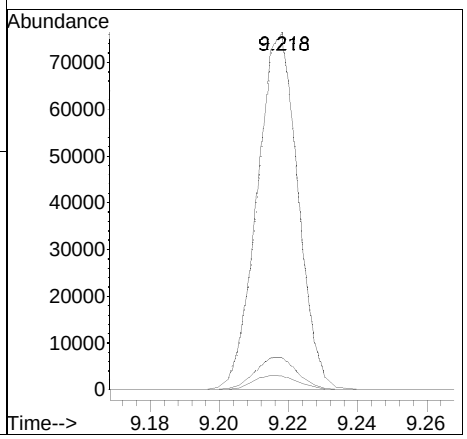


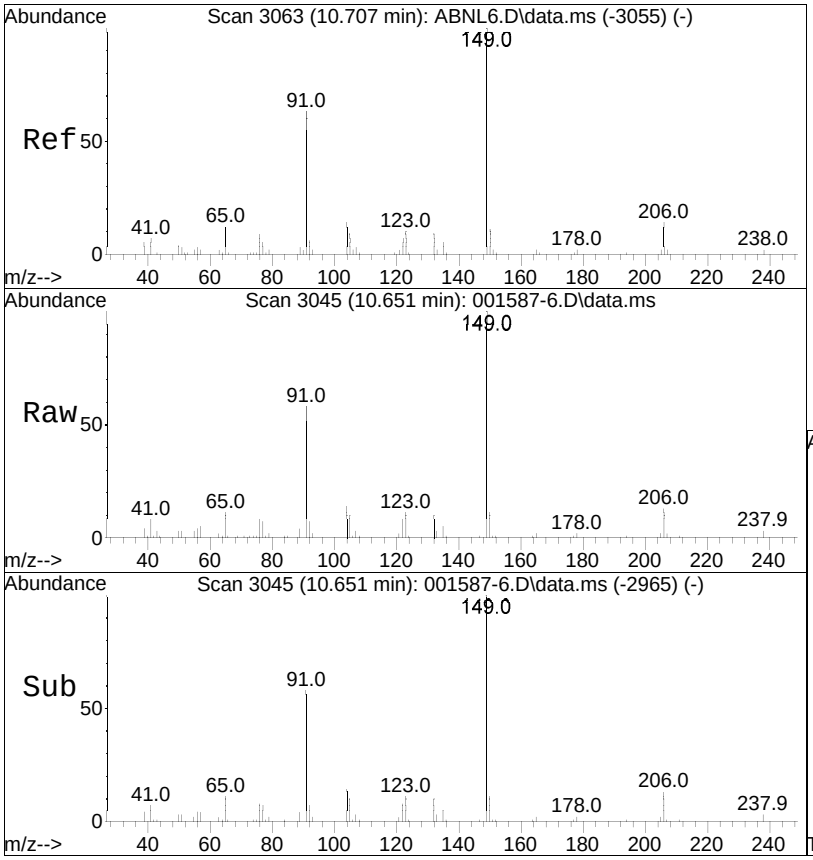


#94
Di-n-butylphthalate
Concen: 1.37 ug/ml
RT: 9.218 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:149 Resp: 61714

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.0	10.6
104	4.2	4.5	6.7#

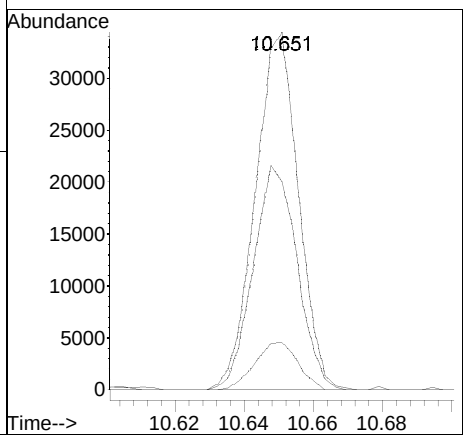


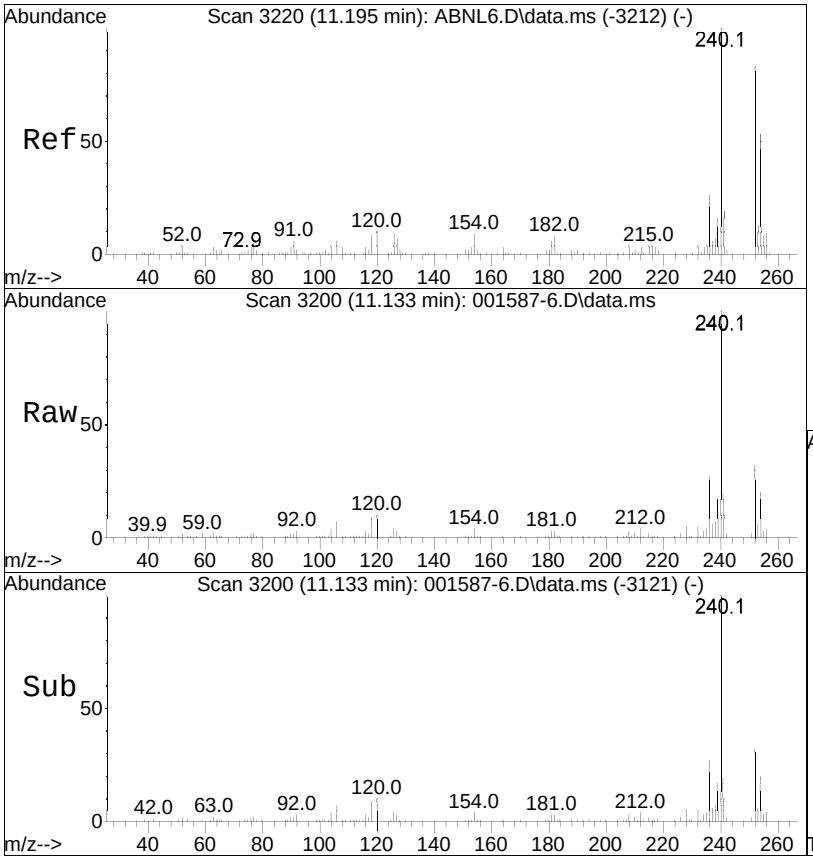


#99
Butyl benzyl phthalate
Concen: 1.53 ug/ml
RT: 10.651 min Scan# 3045
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:149 Resp: 29518

Ion	Ratio	Lower	Upper
149	100		
91	63.9	63.3	94.9
206	13.4	13.9	20.9#

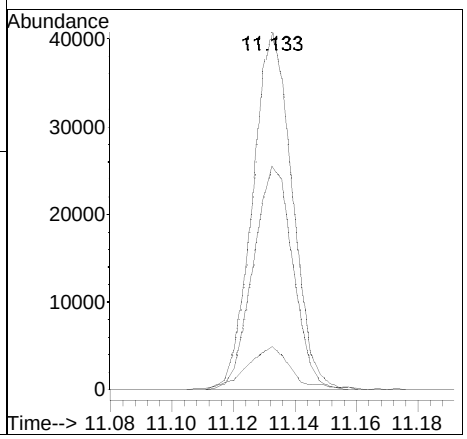


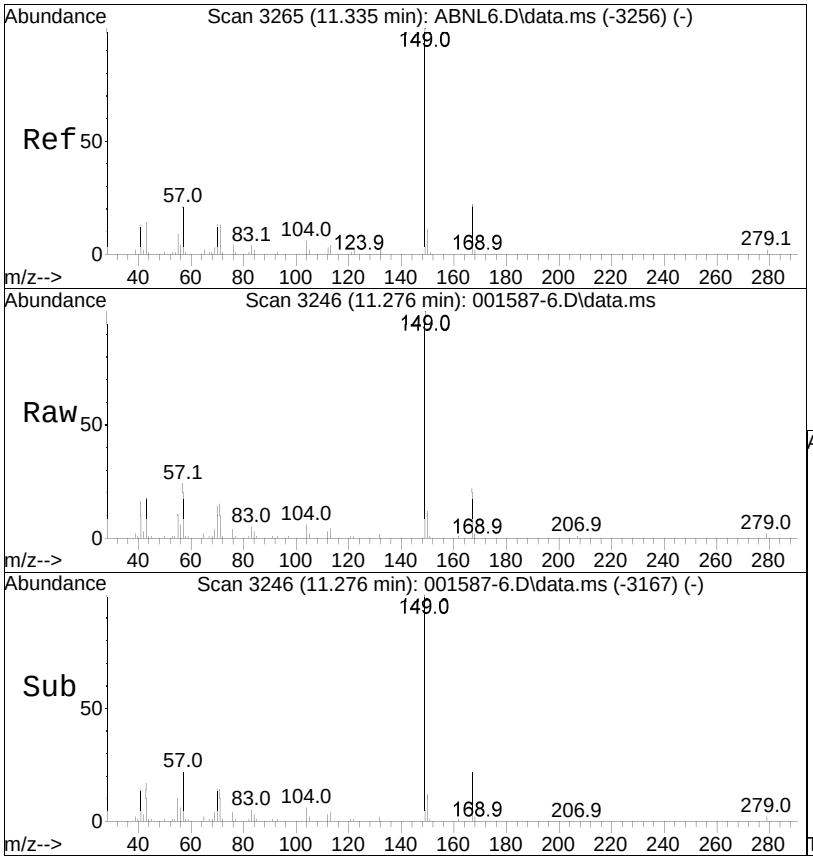


#108
3,3'-Dichlorobenzidine
Concen: 1.62 ug/ml
RT: 11.133 min Scan# 3200
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:252 Resp: 36342

Ion	Ratio	Lower	Upper
252	100		
126	13.8	14.5	21.7#
254	62.9	51.2	76.8

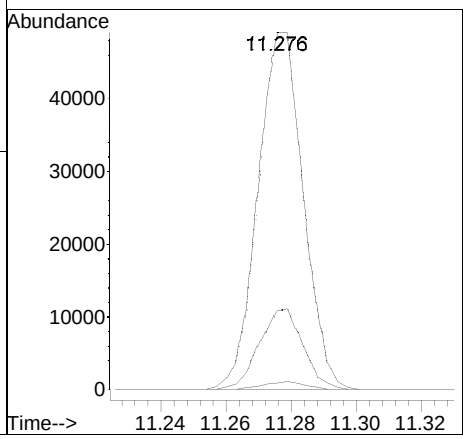


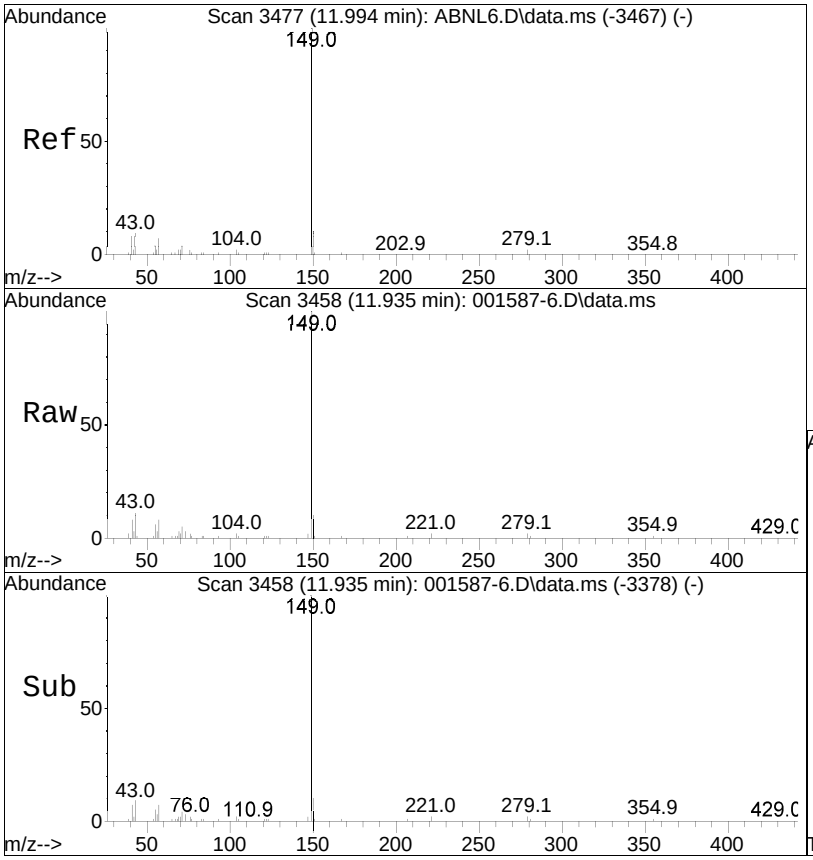


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.46 ug/ml
RT: 11.276 min Scan# 3246
Delta R.T. -0.003 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:149 Resp: 47019

Ion	Ratio	Lower	Upper
149	100		
167	21.8	22.1	33.1#
279	1.9	3.0	4.4#

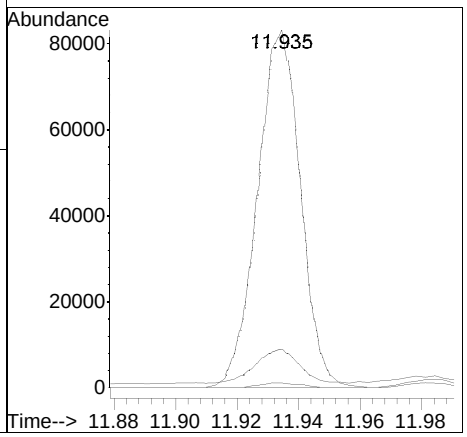




#111
Di-n-octylphthalate
Concen: 1.49 ug/ml
RT: 11.935 min Scan# 3458
Delta R.T. -0.000 min
Lab File: 001587-6.D
Acq: 25 Nov 2024 11:52 pm

Tgt Ion:149 Resp: 79774

Ion	Ratio	Lower	Upper
149	100		
43	10.6	18.8	28.2#
167	1.1	1.3	1.9#



Manual Integration Report

Data Path	: I:\8270\Dakota\241125NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 001587-6.D	Operator	: Dakota:smz
Date Inj'd	: 11/25/2024 11:52 pm	Instrument	: Dakota
Sample	: WG2001587-6,32,,ASK	Quant Date	: 11/26/2024 0:11 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-4.D
Acq On : 26 Nov 2024 1:00 am
Operator : Dakota:smz
Sample : WG2001587-4,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 26 01:16:57 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.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...	4.224	152	26033	4.000	ug/ml		0.00
Standard Area 1 = 40101			Recovery = 64.92%				
27) IS2_1,4-Dichlorobenzen...	4.224	152	26033	4.000	ug/ml		0.00
Standard Area 3 = 22985			Recovery = 113.26%				
37) IS1_Naphthalene-d8	5.461	136	104277	4.000	ug/ml	#	0.00
Standard Area 1 = 159893			Recovery = 65.22%				
57) IS2_Naphthalene-d8	5.461	136	104277	4.000	ug/ml	#	0.00
Standard Area 3 = 87939			Recovery = 118.58%				
65) IS1_Acenaphthene-d10	7.151	164	72103	4.000	ug/ml		0.00
Standard Area 1 = 106227			Recovery = 67.88%				
85) IS2_Acenaphthene-d10	7.151	164	72103	4.000	ug/ml		0.00
Standard Area 3 = 58300			Recovery = 123.68%				
88) IS3_Acenaphthene-d10	7.151	164	72103	4.000	ug/ml		0.00
Standard Area 2 = 54188			Recovery = 133.06%				
90) IS1_Phenanthrene-d10	8.566	188	162638	4.000	ug/ml		0.00
Standard Area 1 = 233287			Recovery = 69.72%				
102) IS3_Phenanthrene-d10	8.566	188	162638	4.000	ug/ml		0.00
Standard Area 2 = 126143			Recovery = 128.93%				
106) IS1_Chrysene-d12	11.127	240	182475	4.000	ug/ml		0.00
Standard Area 1 = 278188			Recovery = 65.59%				
115) IS1_Perylene-d12	12.544	264	216971	4.000	ug/ml		0.00
Standard Area 1 = 327345			Recovery = 66.28%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.934	112	5309	0.793	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.65%				
7) Phenol-d6	3.931	99	5557	0.648	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.40%				
19) Nitrobenzene-d5	4.777	82	6105	0.785	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.50%				
48) 2-Fluorobiphenyl	6.536	172	18544	0.719	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.90%				
81) 2,4,6-Tribromophenol	7.910	330	7127	1.383	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 69.15%				
98) 4-Terphenyl-d14	10.132	244	33417	0.710	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.00%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-4.D
Acq On : 26 Nov 2024 1:00 am
Operator : Dakota:smz
Sample : WG2001587-4,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 26 01:16:57 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.535	74	3815	0.930	ug/ml#	90
3) Pyridine	1.597	79	2531	0.408	ug/ml#	39
5) Aniline	3.910	93	7927	0.777	ug/ml	95
6) 2-Chlorophenol	4.018	128	9535	1.196	ug/ml	91
8) Phenol	3.941	94	6388	0.691	ug/ml	91
9) Bis(2-chloroethyl)ether	4.000	93	9661	1.459	ug/ml	98
10) 1,3-Dichlorobenzene	4.165	146	11825	1.152	ug/ml	96
11) 1,4-Dichlorobenzene	4.242	146	12699	1.212	ug/ml	95
12) 1,2-Dichlorobenzene	4.388	146	12238	1.226	ug/ml	94
13) Benzyl alcohol	4.395	79	7605	1.256	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.537	45	17654	1.512	ug/ml#	69
15) 2-Methylphenol	4.534	108	8039	1.144	ug/ml	98
17) n-Nitrosodi-n-propylamine	4.668	70	8287	1.476	ug/ml#	86
18) 3-Methylphenol/4-Methy...	4.693	108	8327	1.082	ug/ml	94
20) Nitrobenzene	4.795	77	12040	1.514	ug/ml	97
21) Isophorone	5.038	82	21935	1.500	ug/ml	94
22) 2-Nitrophenol	5.109	139	5436	1.350	ug/ml#	89
23) 2,4-Dimethylphenol	5.203	107	7036	0.982	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.287	93	13474	1.479	ug/ml#	92
25) 2,4-Dichlorophenol	5.352	162	11197	1.339	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.423	180	12620	1.247	ug/ml	96
28) Benzaldehyde	3.788	105	9500	2.075	ug/ml	99
29) Acetophenone	4.637	105	16093	1.762	ug/ml#	84
39) Benzoic Acid	5.268	105	4041	0.681	ug/ml	95
40) 4-Chloroaniline	5.566	65	3943	1.251	ug/ml	88
42) p-Chloro-m-cresol	6.076	107	10795	1.429	ug/ml	91
45) Hexachlorocyclopentadiene	6.334	237	4248	0.599	ug/ml	100
46) 2,4,6-Trichlorophenol	6.455	196	8839	1.183	ug/ml	98
47) 2,4,5-Trichlorophenol	6.483	196	11139	1.333	ug/ml	99
50) 2-Nitroaniline	6.741	138	9406	1.654	ug/ml#	80
53) Dimethyl phthalate	6.949	163	37587	1.455	ug/ml#	97
55) 2,6-Dinitrotoluene	6.987	165	7358	1.526	ug/ml#	79
62) Caprolactam	5.865	55	2200	0.687	ug/ml#	75
63) 1,2,4,5-Tetrachloroben...	6.331	216	16253	1.510	ug/ml#	95
64) Biphenyl	6.623	154	37128	1.692	ug/ml	97
66) 3-Nitroaniline	7.136	138	7736	1.389	ug/ml#	88
68) 2,4-Dinitrophenol	7.238	184	1094	0.323	ug/ml#	68

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-4.D
Acq On : 26 Nov 2024 1:00 am
Operator : Dakota:smz
Sample : WG2001587-4,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 26 01:16:57 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Dibenzofuran	7.350	168	48979	1.354	ug/ml	98
70) 2,4-Dinitrotoluene	7.369	165	10293	1.475	ug/ml#	84
71) 4-Nitrophenol	7.344	65	2729	0.657	ug/ml#	1
73) 2,3,4,6-Tetrachlorophenol	7.487	232	9329	1.210	ug/ml	93
74) Diethyl phthalate	7.633	149	40056	1.411	ug/ml	97
76) 4-Chlorophenyl phenyl ...	7.705	204	19512	1.367	ug/ml#	85
77) 4-Nitroaniline	7.714	138	8830	1.641	ug/ml	81
78) 4,6-Dinitro-o-cresol	7.754	198	2723	0.645	ug/ml#	65
79) NDPA/DPA	7.823	169	33251	1.380	ug/ml	92
80) Azobenzene	7.854	77	33992	1.472	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.168	248	12635	1.344	ug/ml#	81
87) Pentachloronitrobenzene	8.423	237	5729	1.704	ug/ml#	81
89) Atrazine	8.367	200	10758	1.740	ug/ml	91
93) Carbazole	8.808	167	65149	1.505	ug/ml	97
94) Di-n-butylphthalate	9.215	149	73447	1.497	ug/ml	98
96) Benzidine	9.890	184	5205	0.166	ug/ml#	85
99) Butyl benzyl phthalate	10.648	149	33880	1.612	ug/ml#	85
104) Parathion	9.364	109	6795	2.159	ug/ml	89
108) 3,3'-Dichlorobenzidine	11.133	252	34816	1.512	ug/ml#	96
110) Bis(2-ethylhexyl)phtha...	11.276	149	51700	1.560	ug/ml#	88
111) Di-n-octylphthalate	11.932	149	87778	1.588	ug/ml#	74

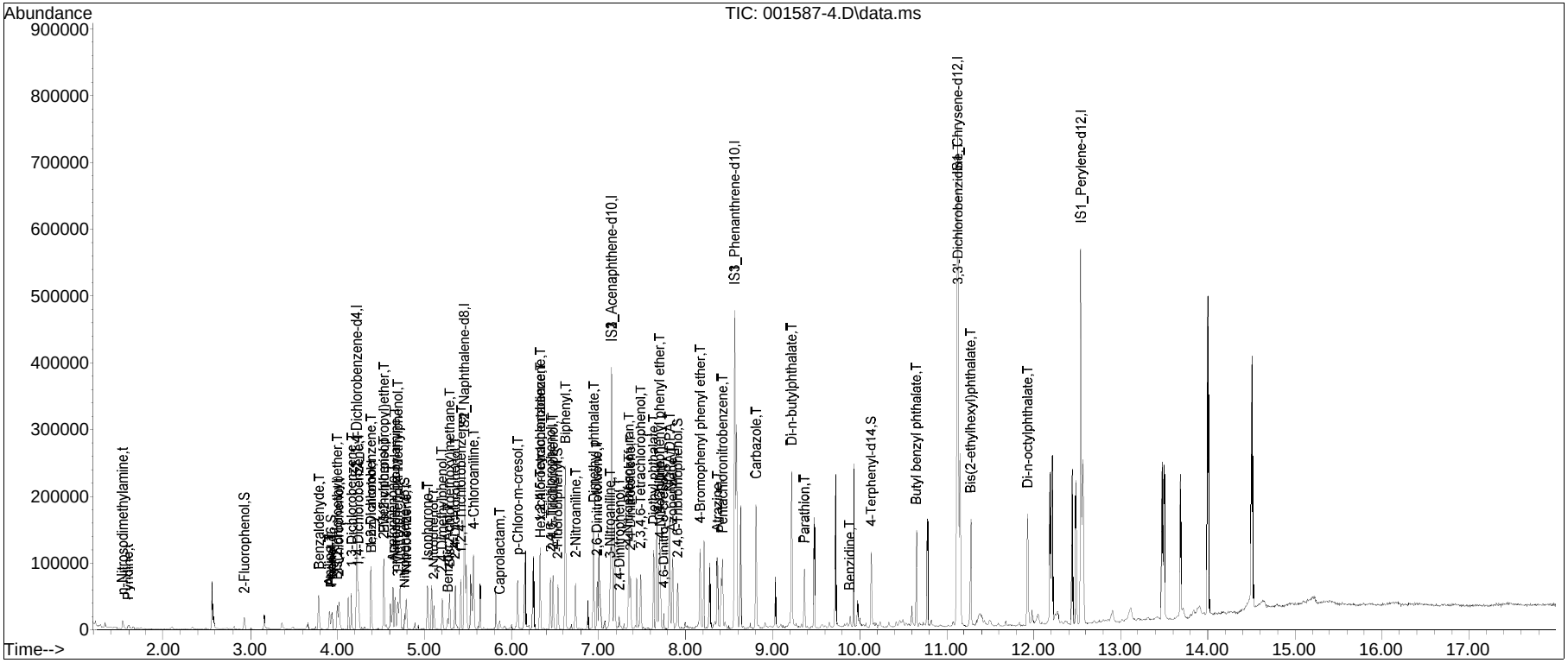
(#) = qualifier out of range (m) = manual integration (+) = signals summed

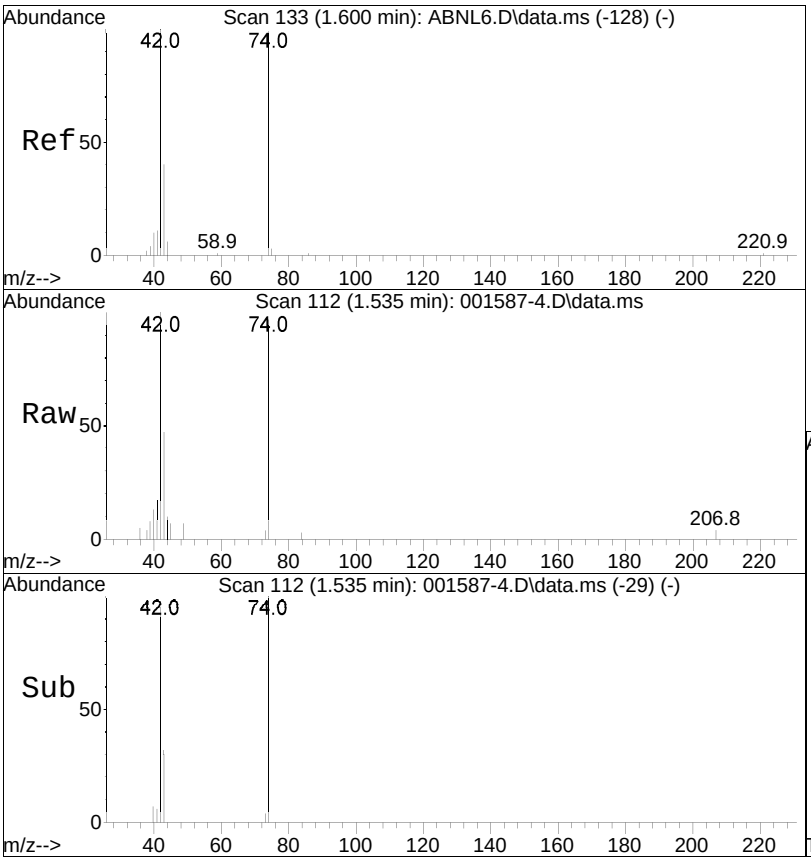
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-4.D
Acq On : 26 Nov 2024 1:00 am
Operator : Dakota:smz
Sample : WG2001587-4,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 26 01:16:57 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91125n.D•

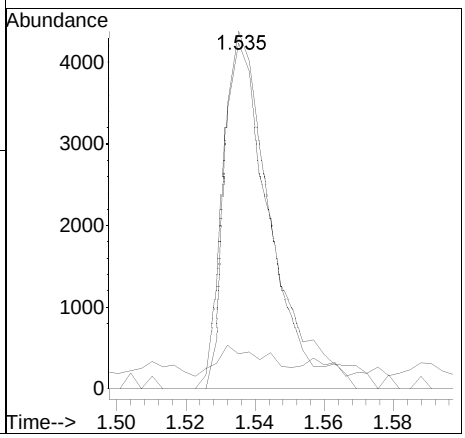


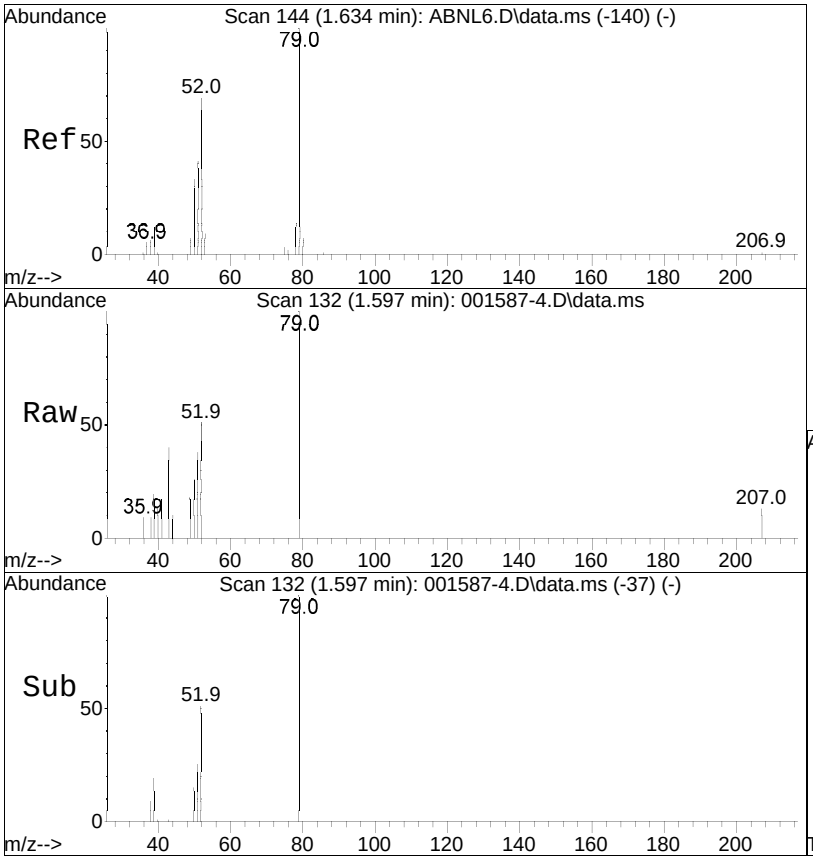


#2
n-Nitrosodimethylamine
Concen: 0.93 ug/ml
RT: 1.535 min Scan# 112
Delta R.T. 0.009 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 74 Resp: 3815

Ion	Ratio	Lower	Upper
74	100		
42	114.2	100.0	150.0
44	0.0	6.7	10.1#

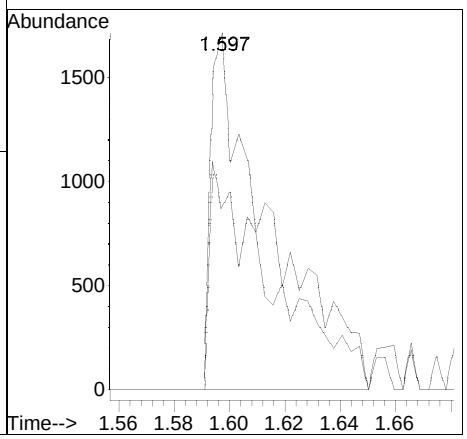


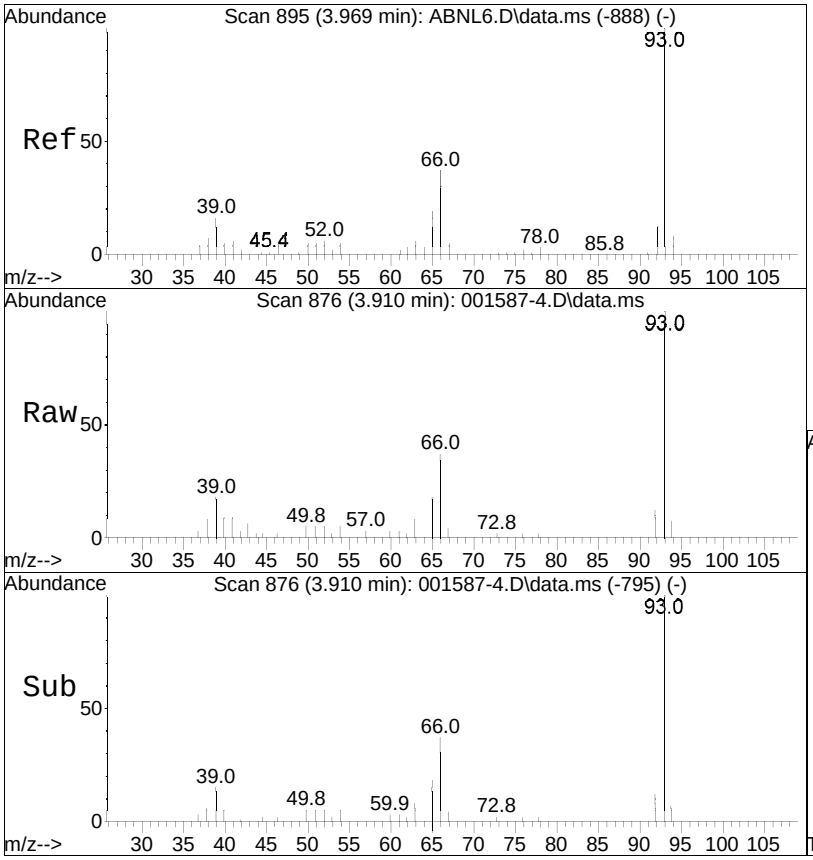


#3
Pyridine
Concen: 0.41 ug/ml
RT: 1.597 min Scan# 132
Delta R.T. 0.047 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 79 Resp: 2531

Ion	Ratio	Lower	Upper
79	100		
52	50.0	93.1	139.7#

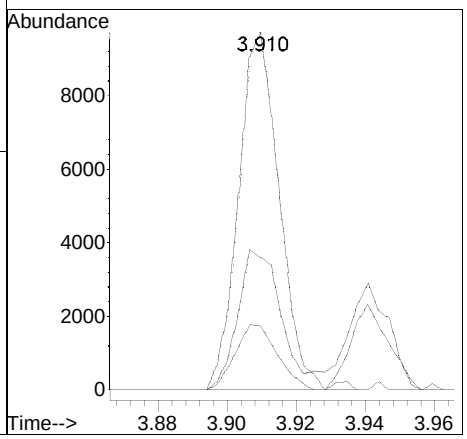


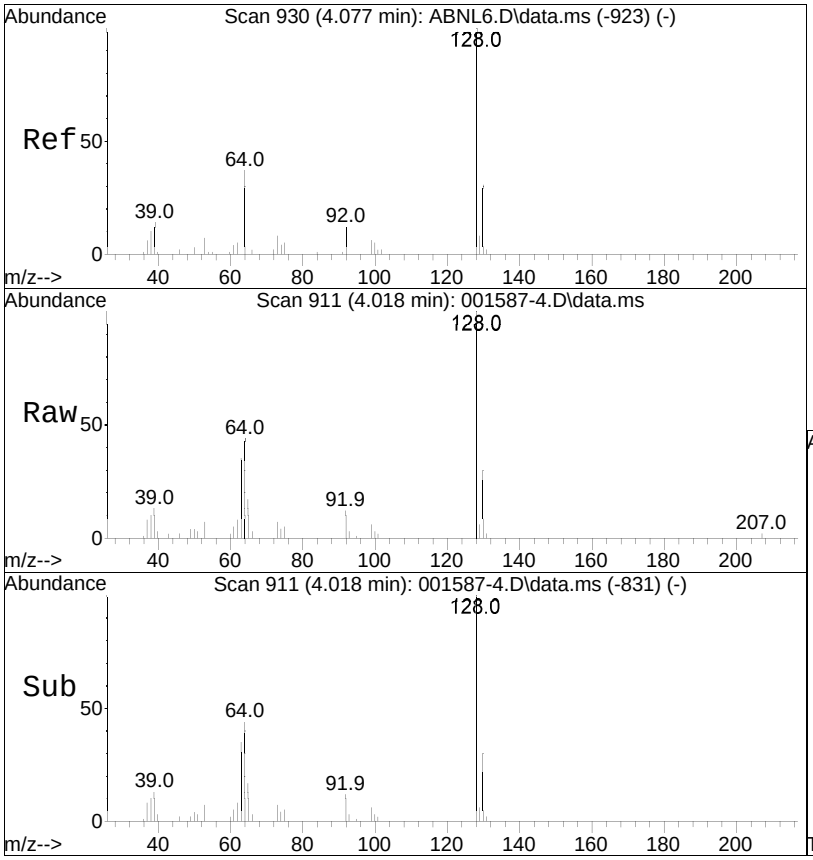


#5
Aniline
Concen: 0.78 ug/ml
RT: 3.910 min Scan# 876
Delta R.T. 0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 93 Resp: 7927

Ion	Ratio	Lower	Upper
93	100		
66	43.0	32.6	49.0
65	19.0	17.6	26.4

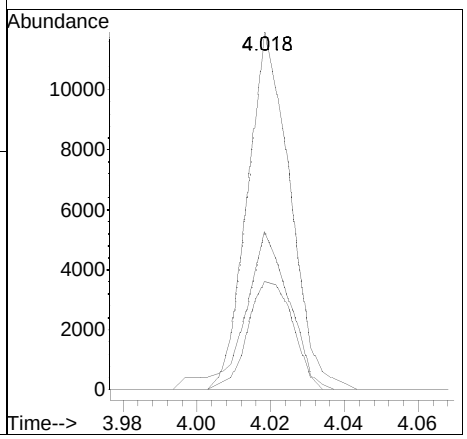


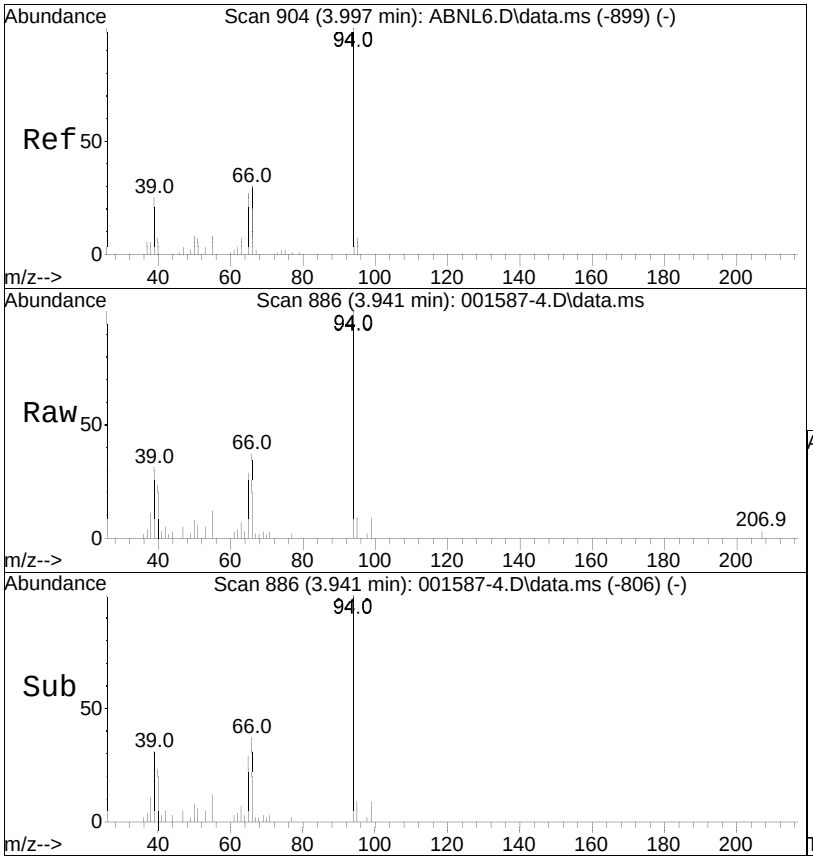


#6
2-Chlorophenol
Concen: 1.20 ug/ml
RT: 4.018 min Scan# 911
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:128 Resp: 9535

Ion	Ratio	Lower	Upper
128	100		
64	46.2	45.1	67.7
130	32.1	26.2	39.4

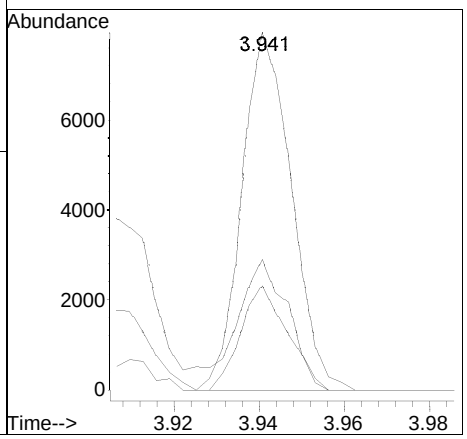


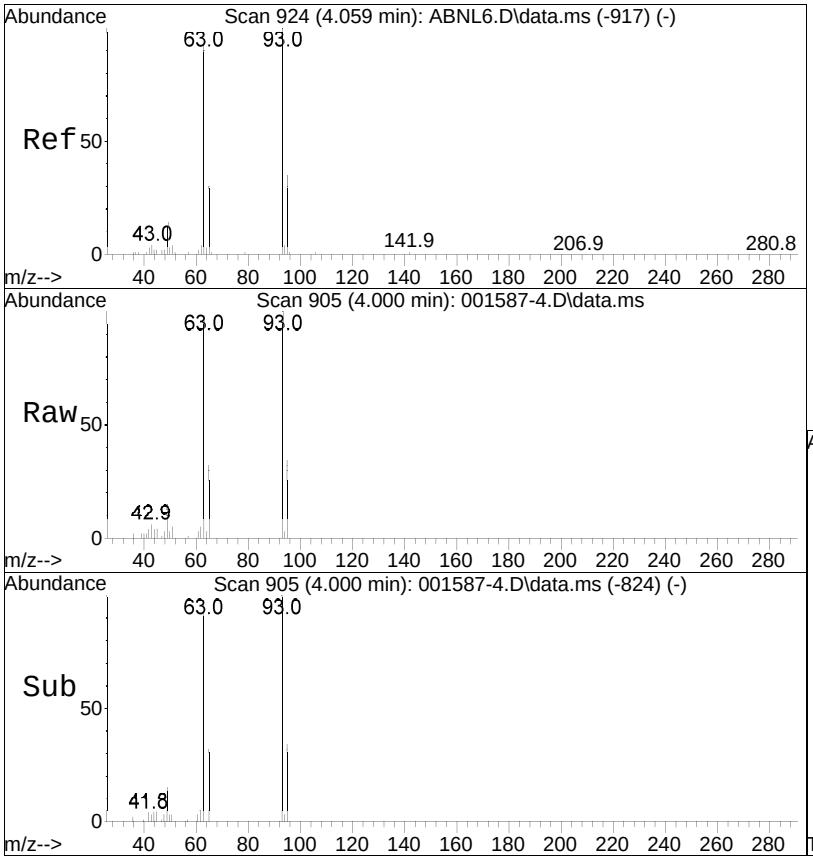


#8
Phenol
Concen: 0.69 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 94 Resp: 6388

Ion	Ratio	Lower	Upper
94	100		
65	27.4	26.0	39.0
66	36.3	33.8	50.8

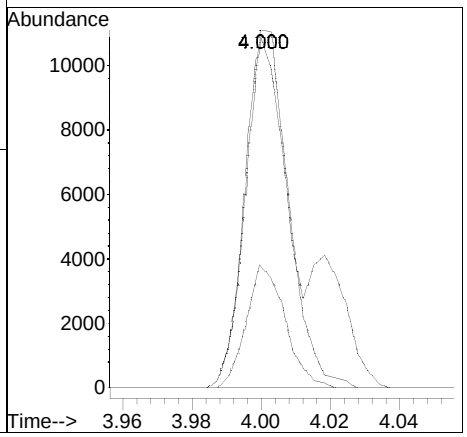


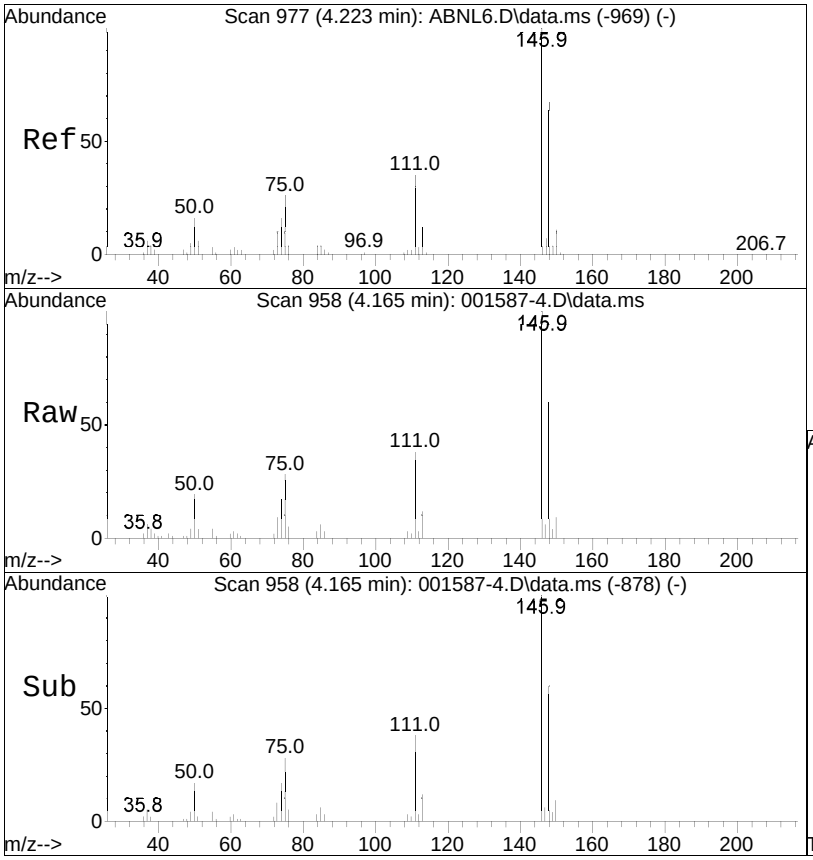


#9
Bis(2-chloroethyl)ether
Concen: 1.46 ug/ml
RT: 4.000 min Scan# 905
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 93 Resp: 9661

Ion	Ratio	Lower	Upper
93	100		
63	91.8	74.6	111.8
95	30.8	25.9	38.9

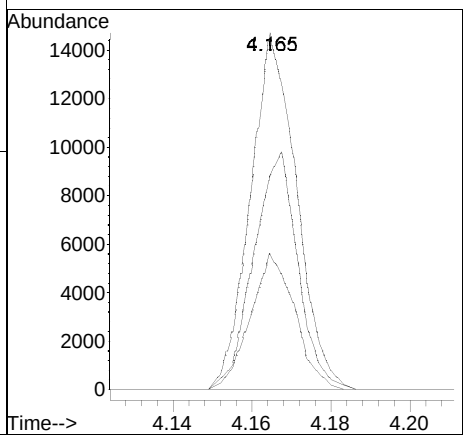


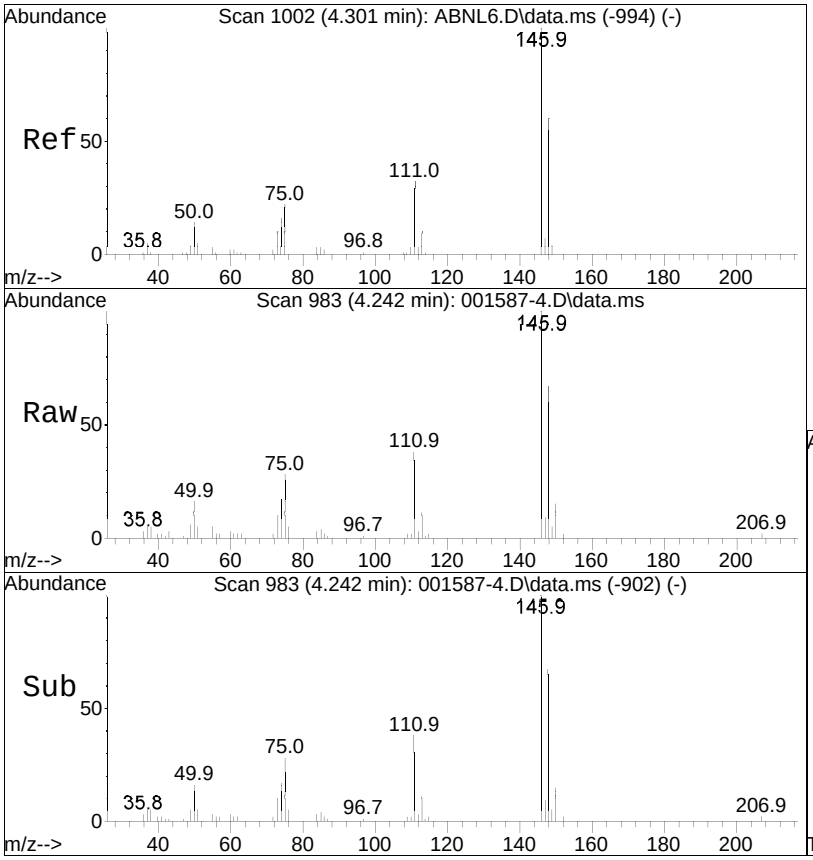


#10
1,3-Dichlorobenzene
Concen: 1.15 ug/ml
RT: 4.165 min Scan# 958
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:146 Resp: 11825

Ion	Ratio	Lower	Upper
146	100		
111	37.0	34.3	51.5
148	64.0	50.8	76.2

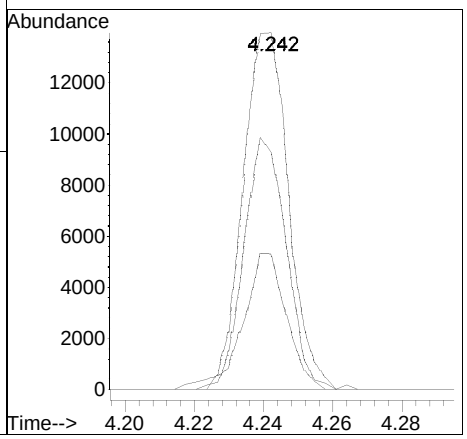


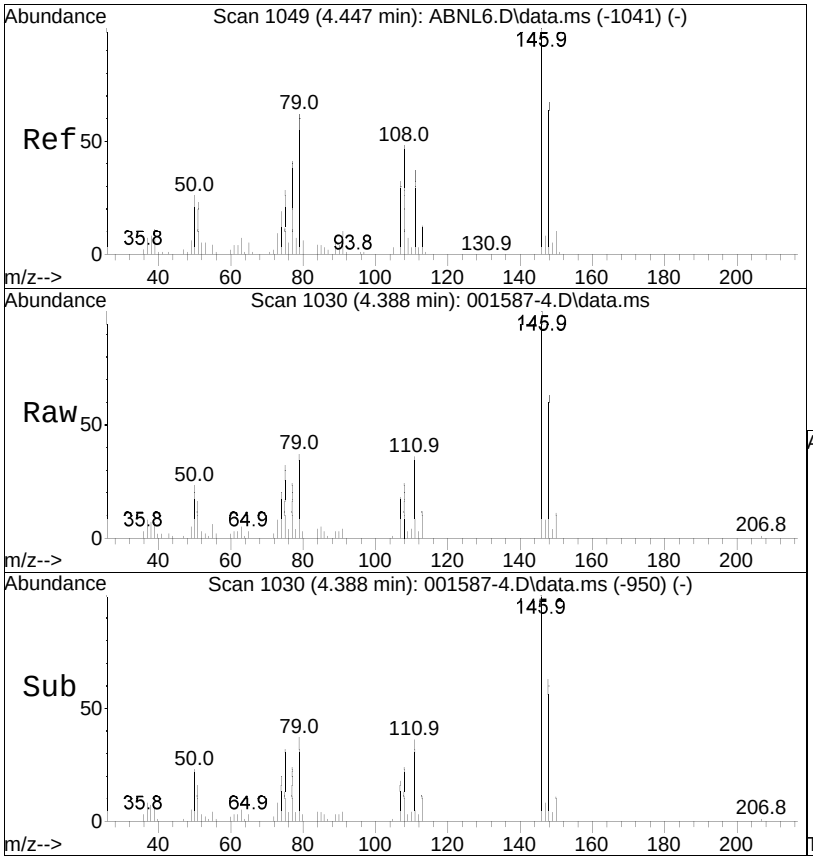


#11
1,4-Dichlorobenzene
Concen: 1.21 ug/ml
RT: 4.242 min Scan# 983
Delta R.T. 0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:146 Resp: 12699

Ion	Ratio	Lower	Upper
146	100		
148	65.6	50.7	76.1
111	36.8	33.4	50.0

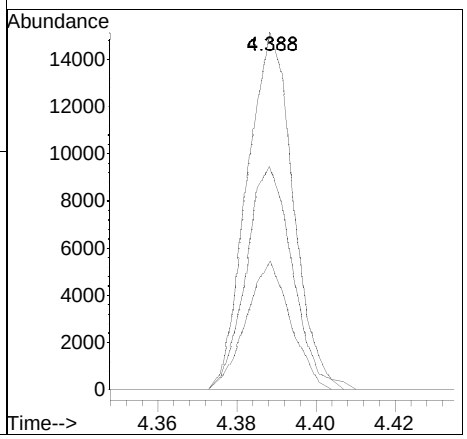


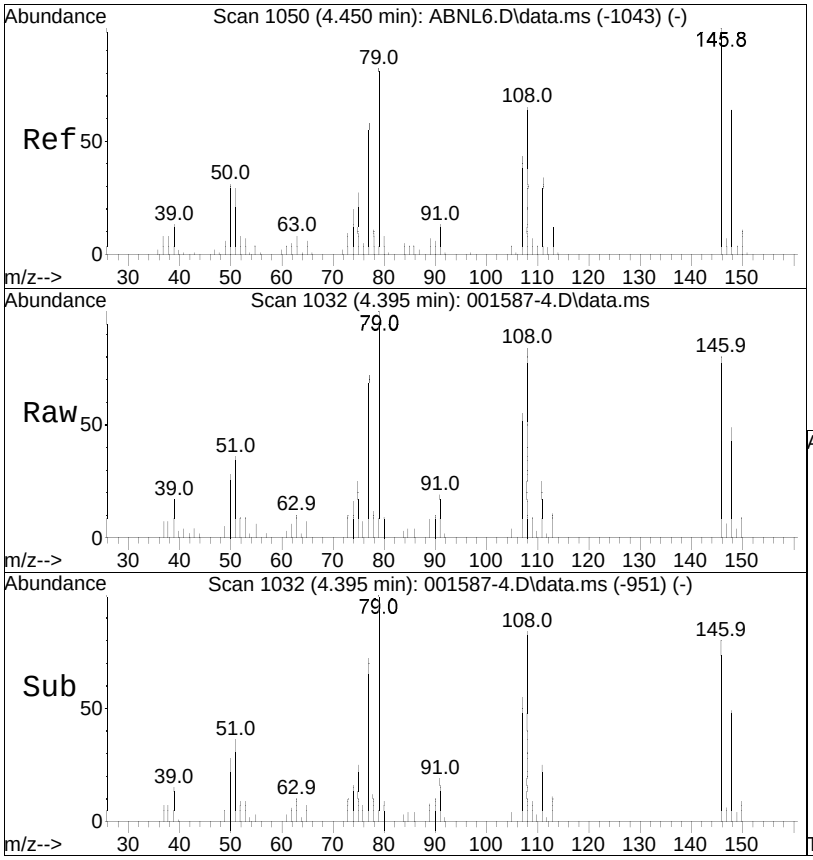


#12
1,2-Dichlorobenzene
Concen: 1.23 ug/ml
RT: 4.388 min Scan# 1030
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:146 Resp: 12238

Ion	Ratio	Lower	Upper
146	100		
111	34.7	34.6	52.0
148	62.3	50.2	75.4

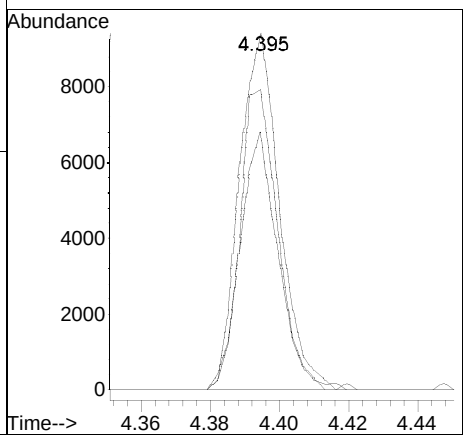


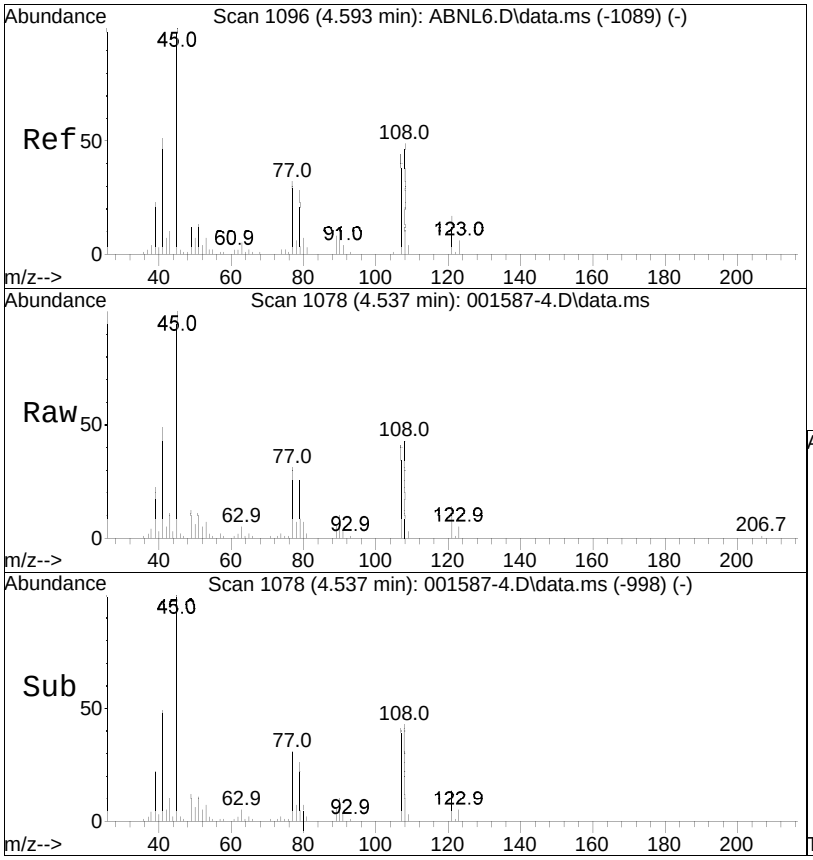


#13
Benzyl alcohol
Concen: 1.26 ug/ml
RT: 4.395 min Scan# 1032
Delta R.T. 0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 79 Resp: 7605

Ion	Ratio	Lower	Upper
79	100		
77	68.2	54.9	82.3
108	79.6	63.1	94.7

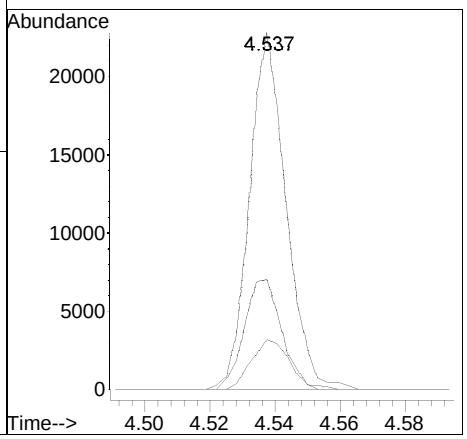


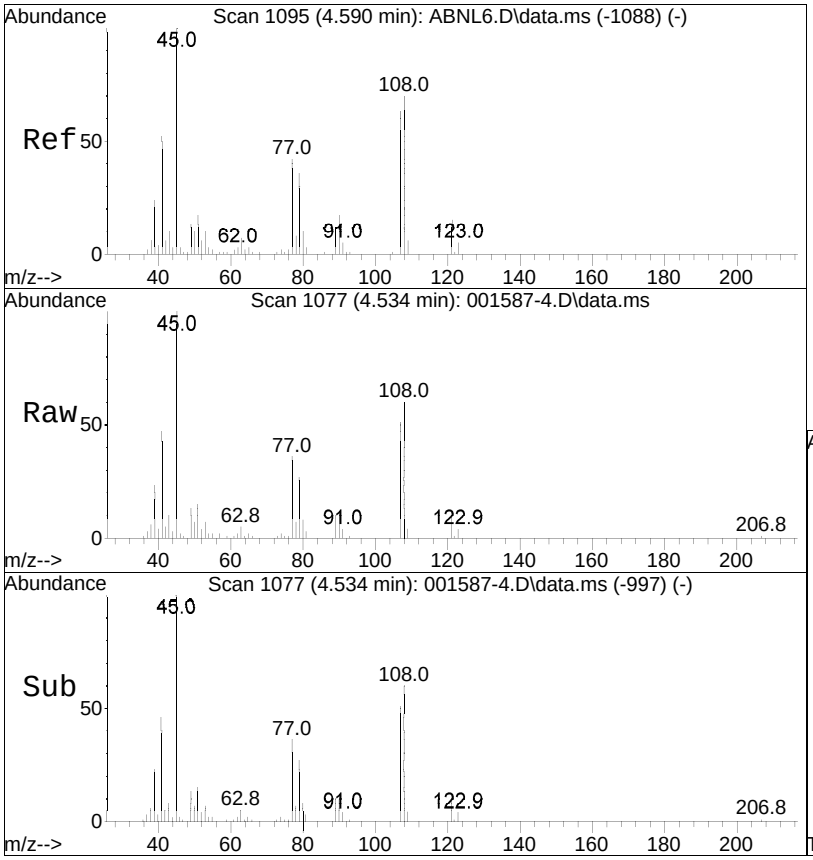


#14
Bis(2-chloroisopropyl)ether
Concen: 1.51 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 45 Resp: 17654

Ion	Ratio	Lower	Upper
45	100		
121	14.4	9.8	14.6
77	32.2	6.1	9.1#

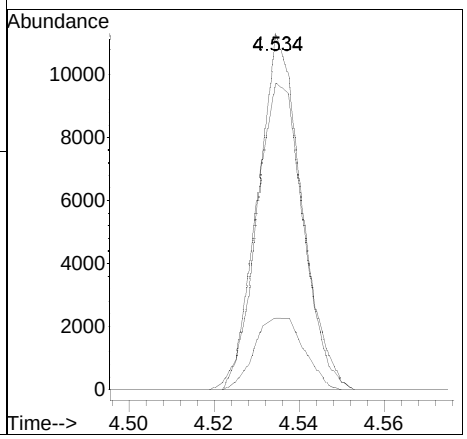


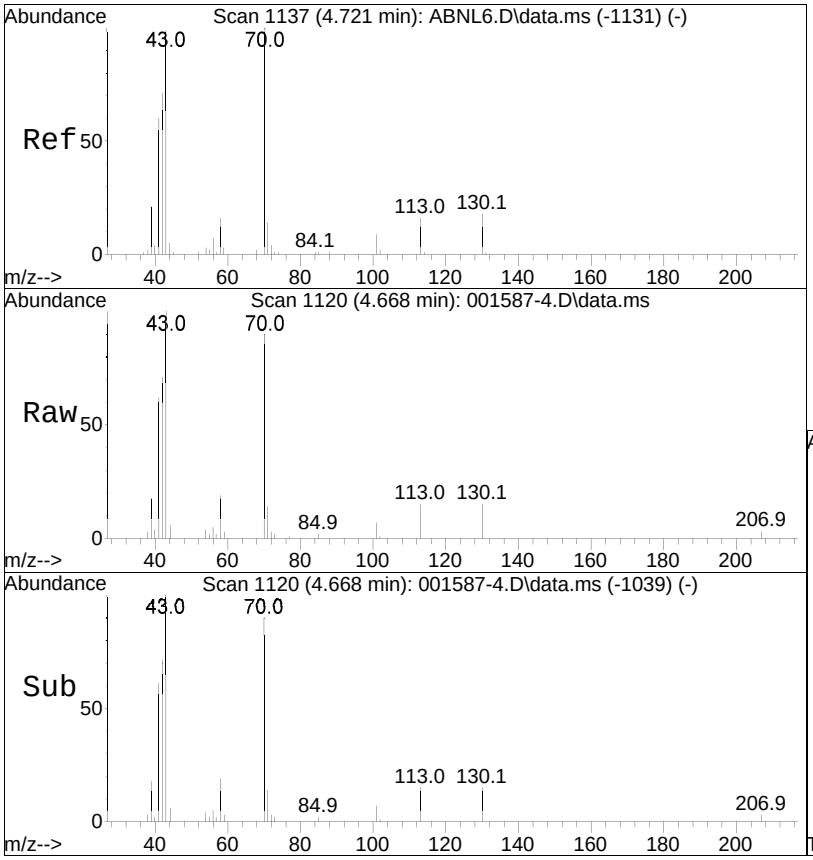


#15
2-Methylphenol
Concen: 1.14 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:108 Resp: 8039

Ion	Ratio	Lower	Upper
108	100		
107	90.8	70.7	106.1
90	22.9	18.7	28.1

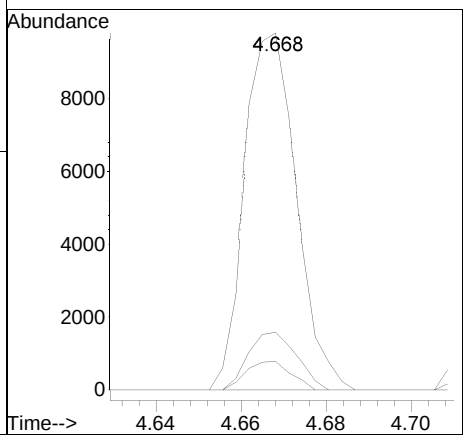


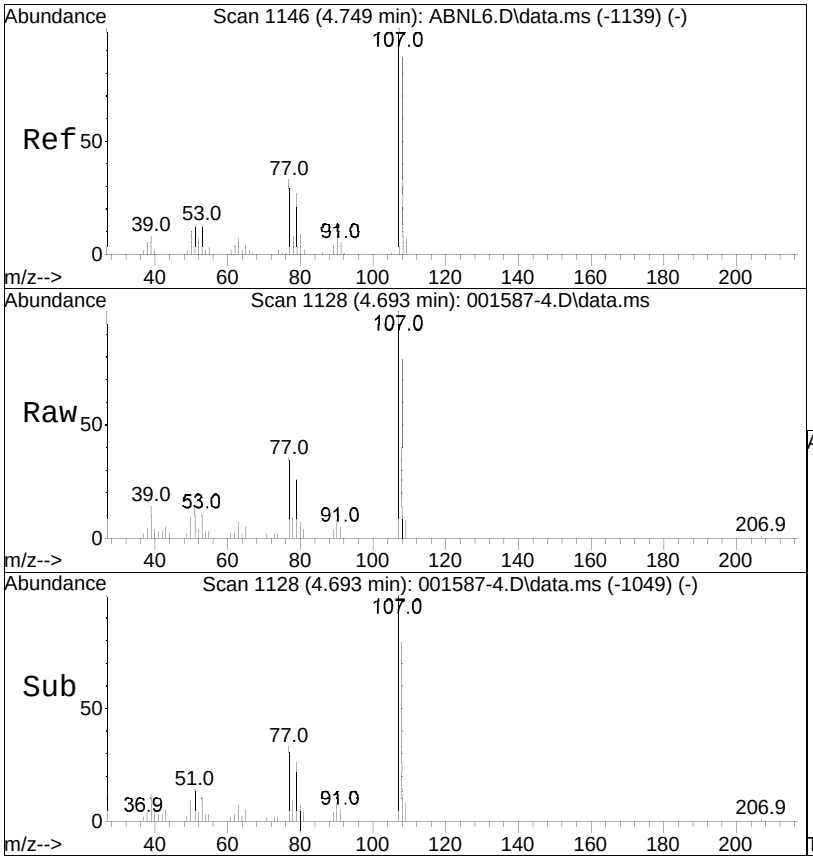


#17
n-Nitrosodi-n-propylamine
Concen: 1.48 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 70 Resp: 8287

Ion	Ratio	Lower	Upper
70	100		
130	15.1	18.2	27.4#
101	6.9	7.8	11.8#

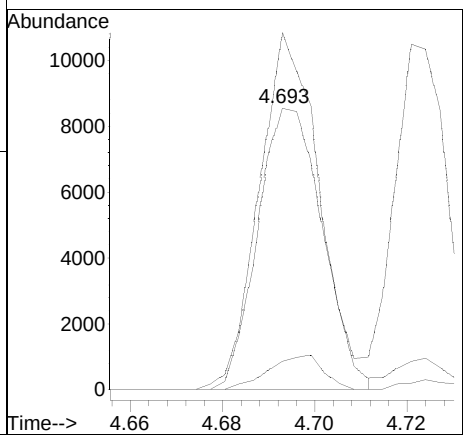


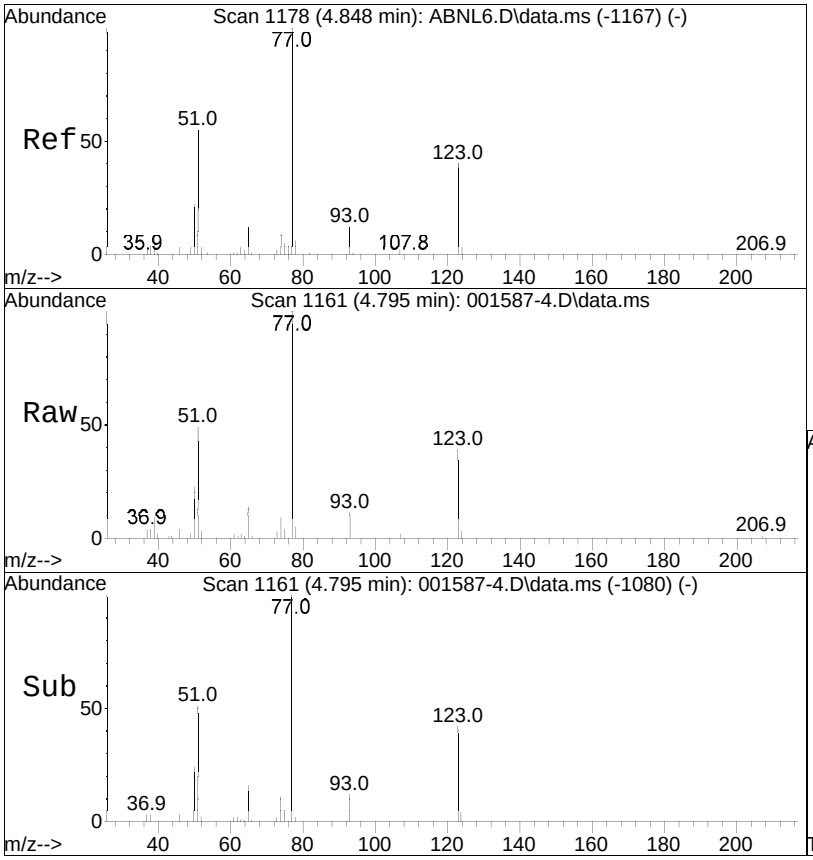


#18
3-Methylphenol/4-Methylphenol
Concen: 1.08 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:108 Resp: 8327

Ion	Ratio	Lower	Upper
108	100		
107	116.9	88.6	132.8
90	10.2	8.8	13.2

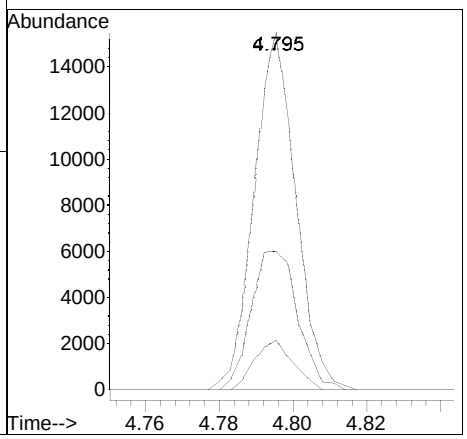


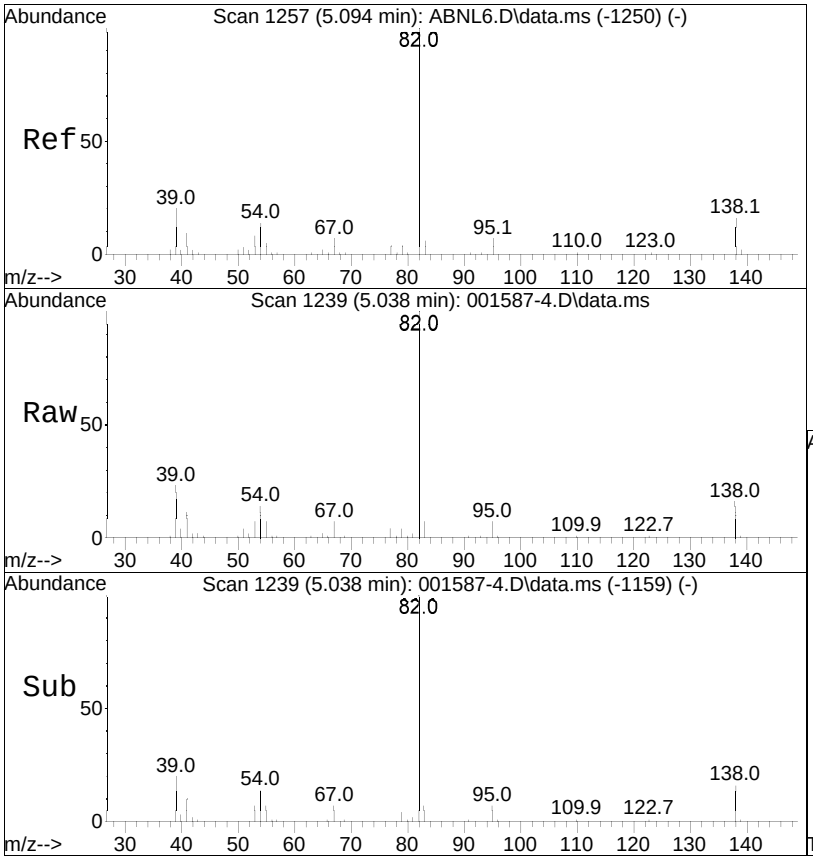


#20
Nitrobenzene
Concen: 1.51 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 77 Resp: 12040

Ion	Ratio	Lower	Upper
77	100		
123	43.6	36.3	54.5
65	13.0	11.6	17.4

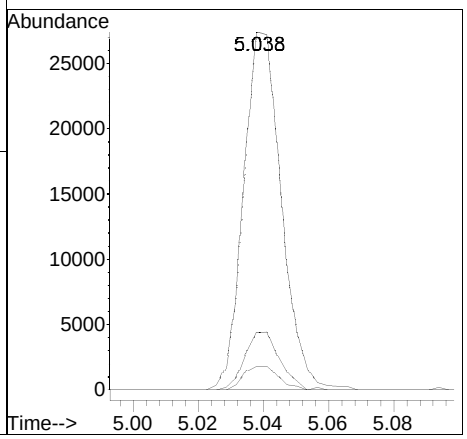


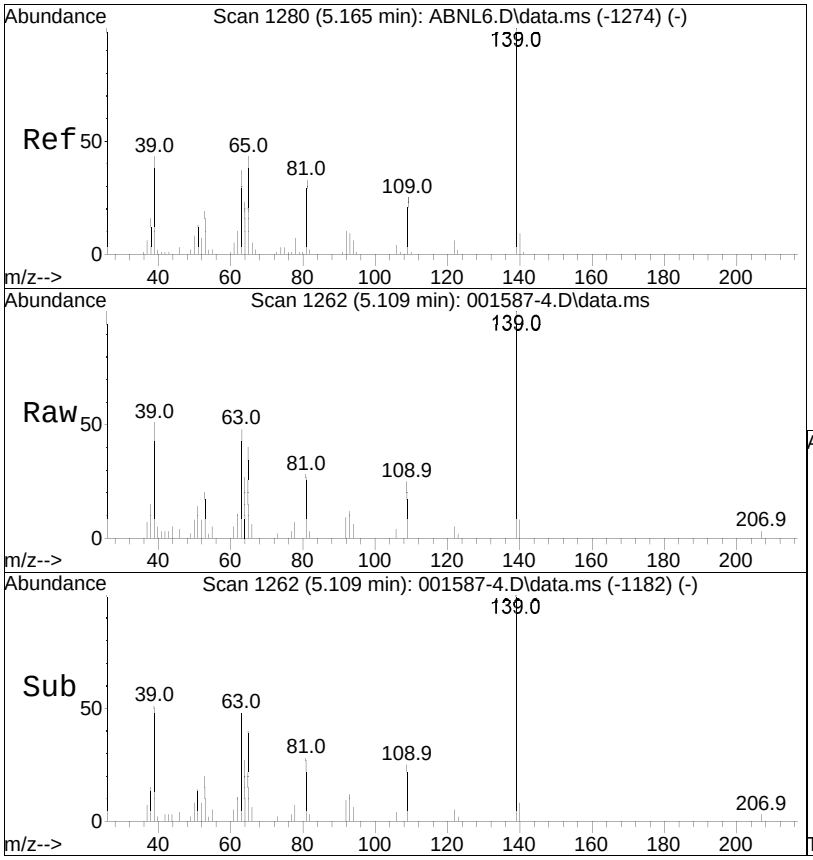


#21
Isophorone
Concen: 1.50 ug/ml
RT: 5.038 min Scan# 1239
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 82 Resp: 21935

Ion	Ratio	Lower	Upper
82	100		
138	15.1	14.7	22.1
95	6.3	5.2	7.8

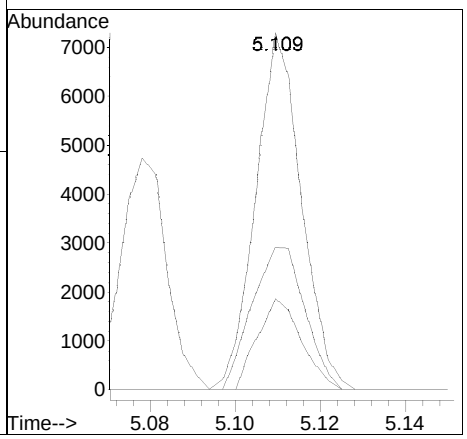


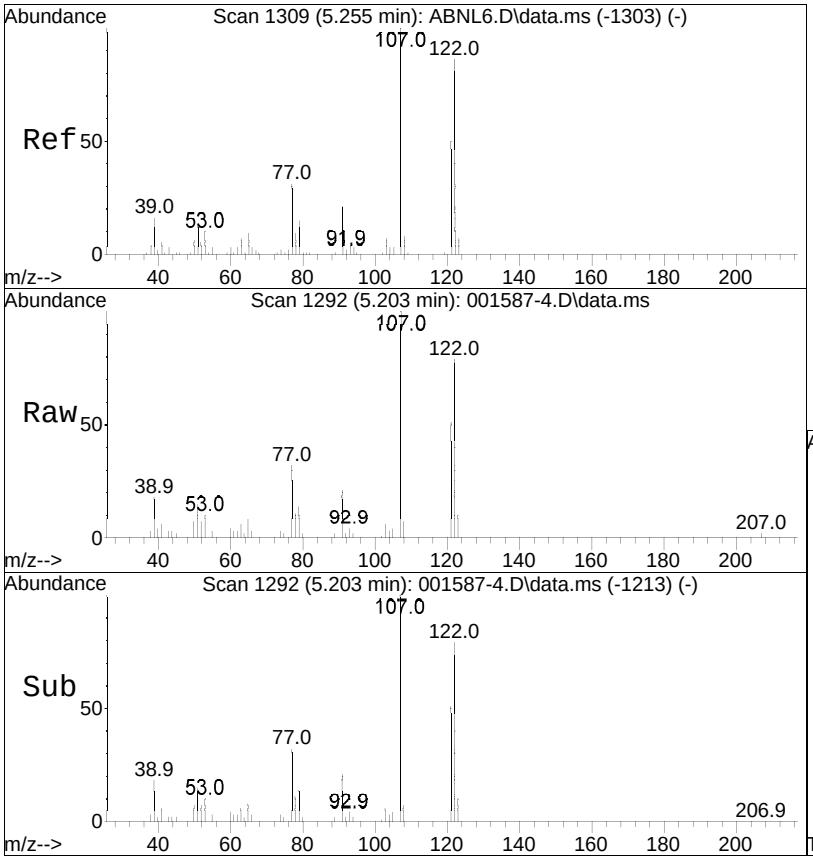


#22
2-Nitrophenol
Concen: 1.35 ug/ml
RT: 5.109 min Scan# 1262
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:139 Resp: 5436

Ion	Ratio	Lower	Upper
139	100		
109	24.5	19.4	29.0
65	46.0	46.1	69.1#

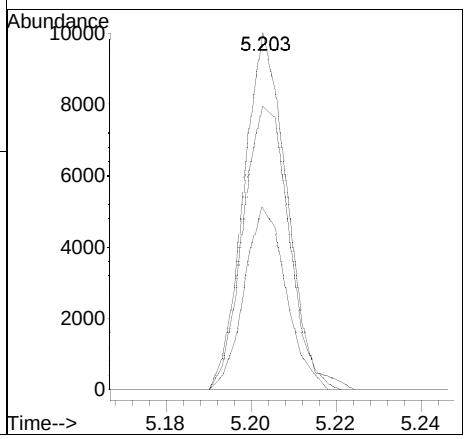


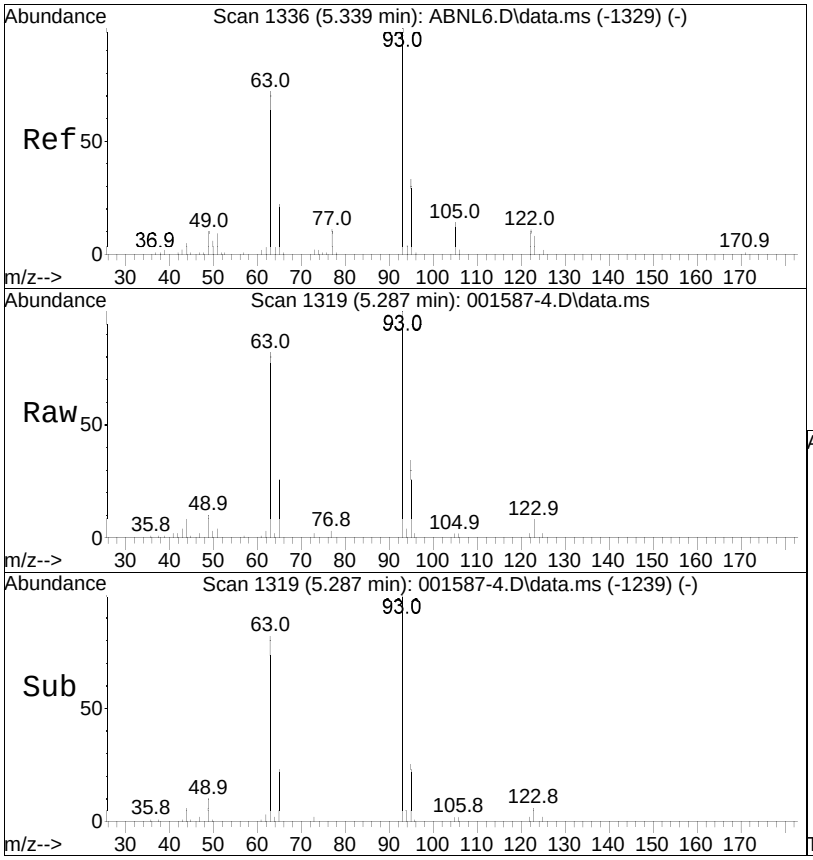


#23
2,4-Dimethylphenol
Concen: 0.98 ug/ml
RT: 5.203 min Scan# 1292
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:107 Resp: 7036

Ion	Ratio	Lower	Upper
107	100		
121	49.9	40.0	60.0
122	84.2	70.2	105.4

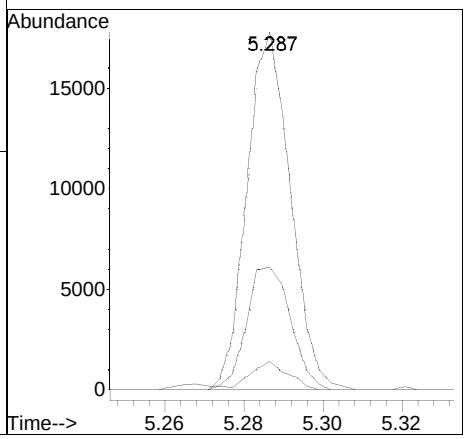


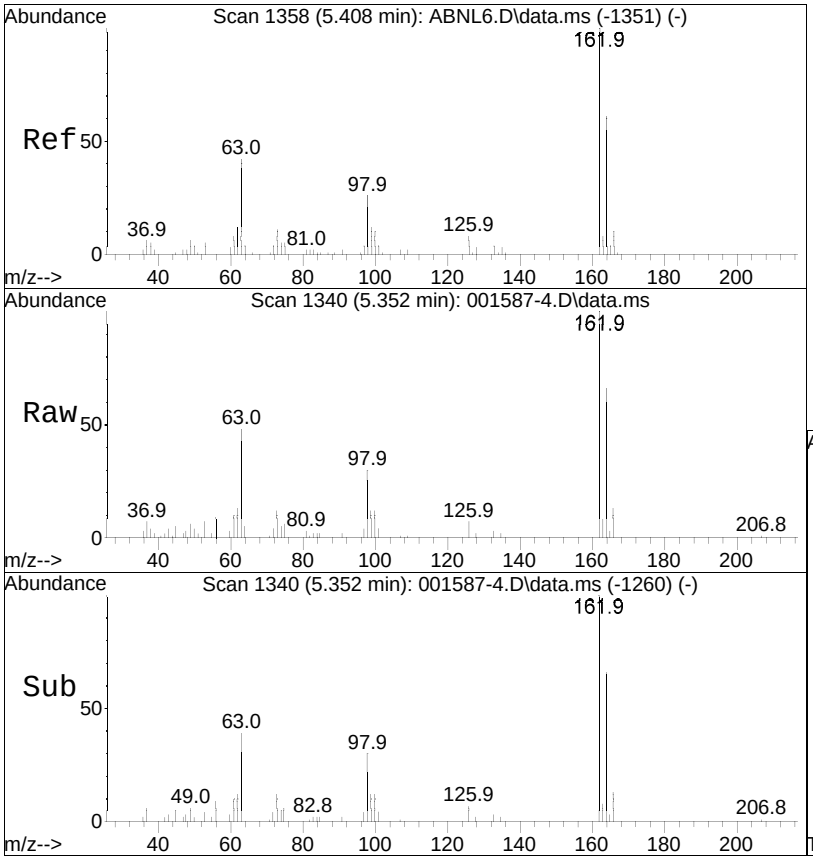


#24
Bis(2-chloroethoxy)methane
Concen: 1.48 ug/ml
RT: 5.287 min Scan# 1319
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 93 Resp: 13474

Ion	Ratio	Lower	Upper
93	100		
95	35.1	25.8	38.8
123	6.8	10.1	15.1#

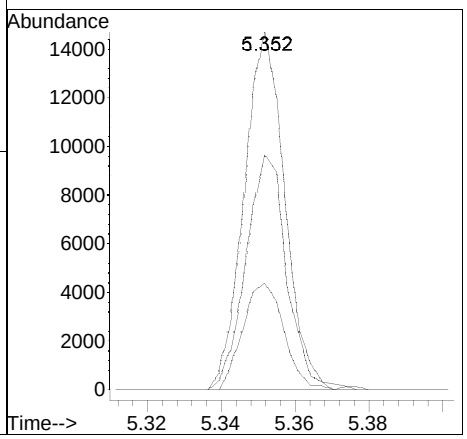


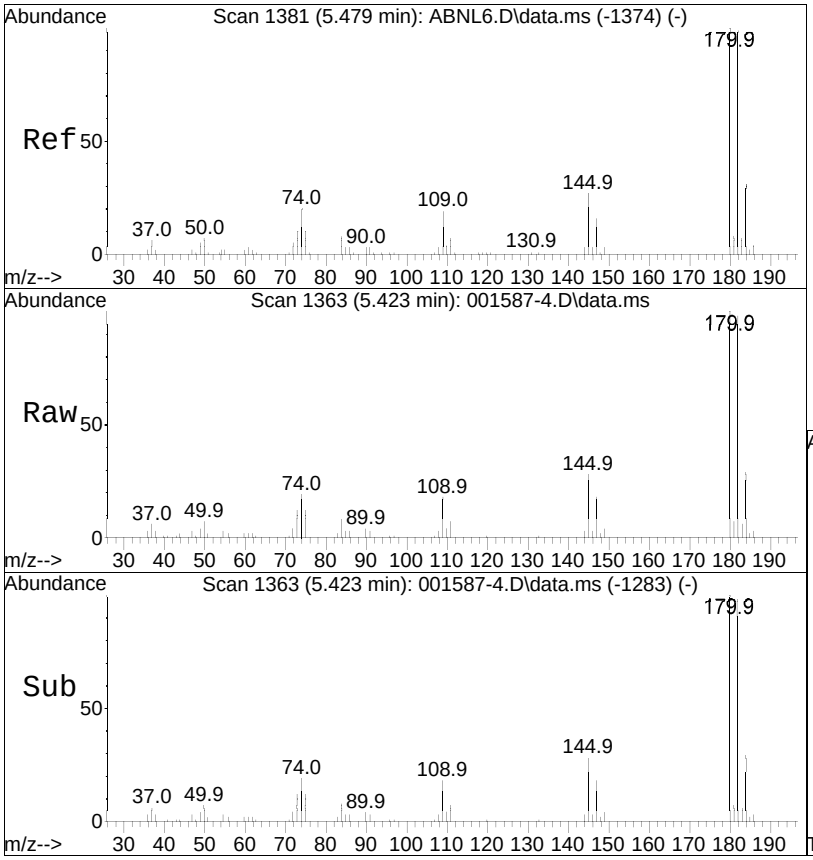


#25
2,4-Dichlorophenol
Concen: 1.34 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:162 Resp: 11197

Ion	Ratio	Lower	Upper
162	100		
164	65.8	51.0	76.4
98	30.3	32.2	48.2#

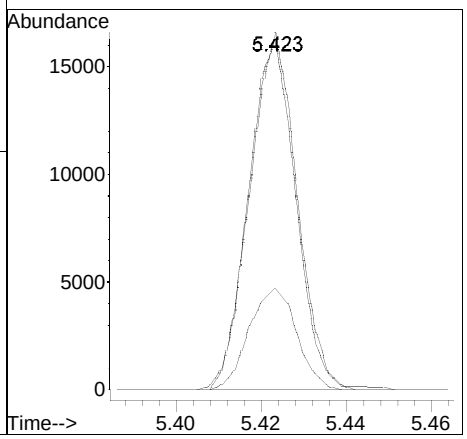


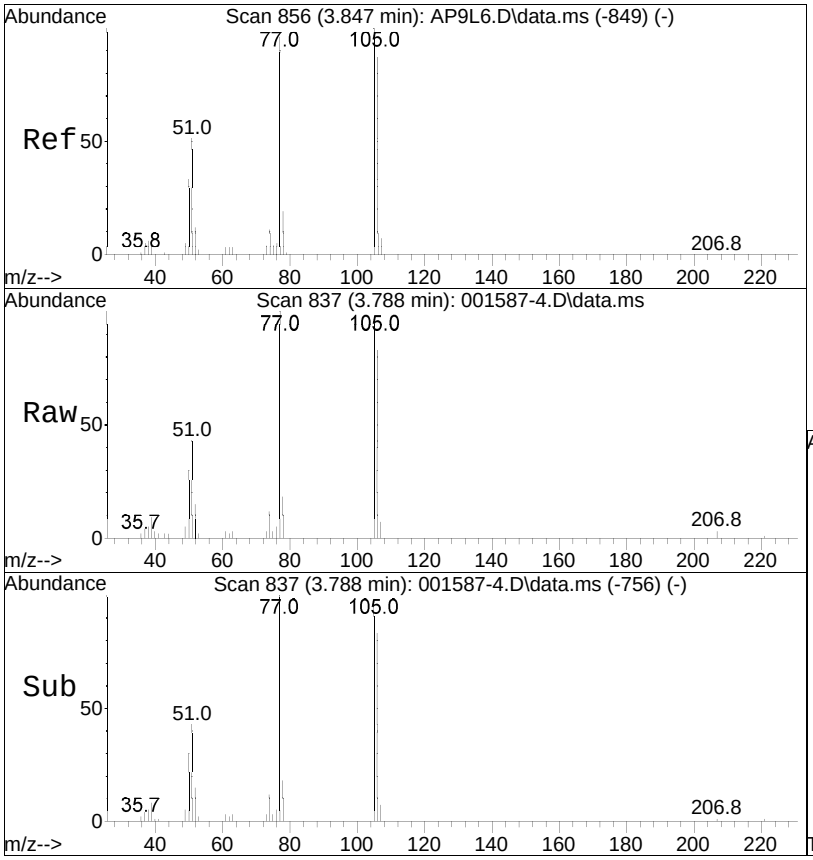


#26
1,2,4-Trichlorobenzene
Concen: 1.25 ug/ml
RT: 5.423 min Scan# 1363
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:180 Resp: 12620

Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.0	114.0
145	28.9	25.7	38.5

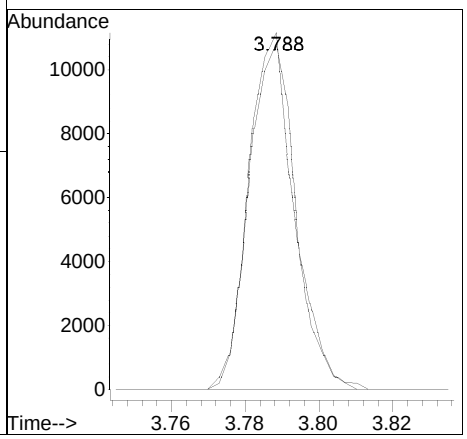


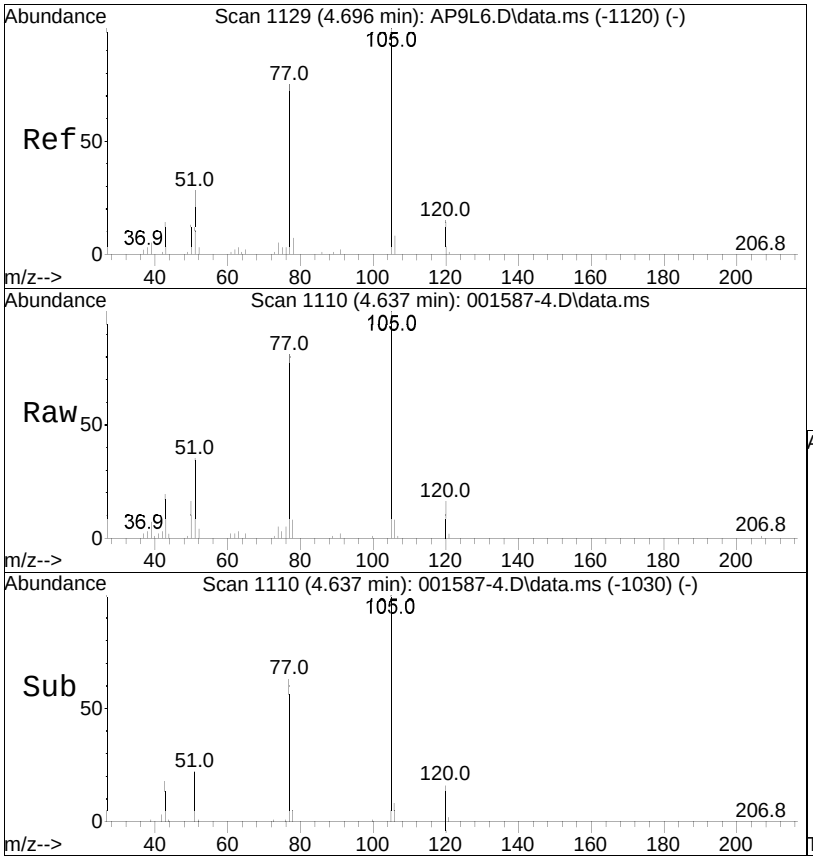


#28
Benzaldehyde
Concen: 2.08 ug/ml
RT: 3.788 min Scan# 837
Delta R.T. 0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:105 Resp: 9500

Ion	Ratio	Lower	Upper
105	100		
77	101.5	82.2	123.4

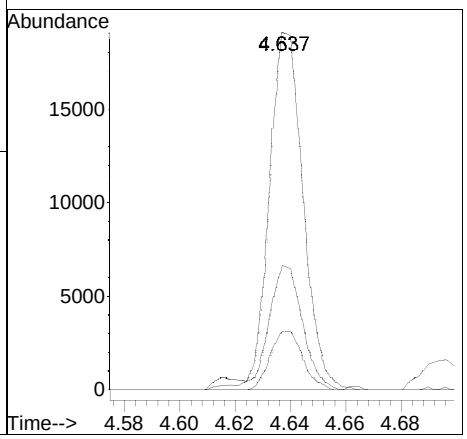


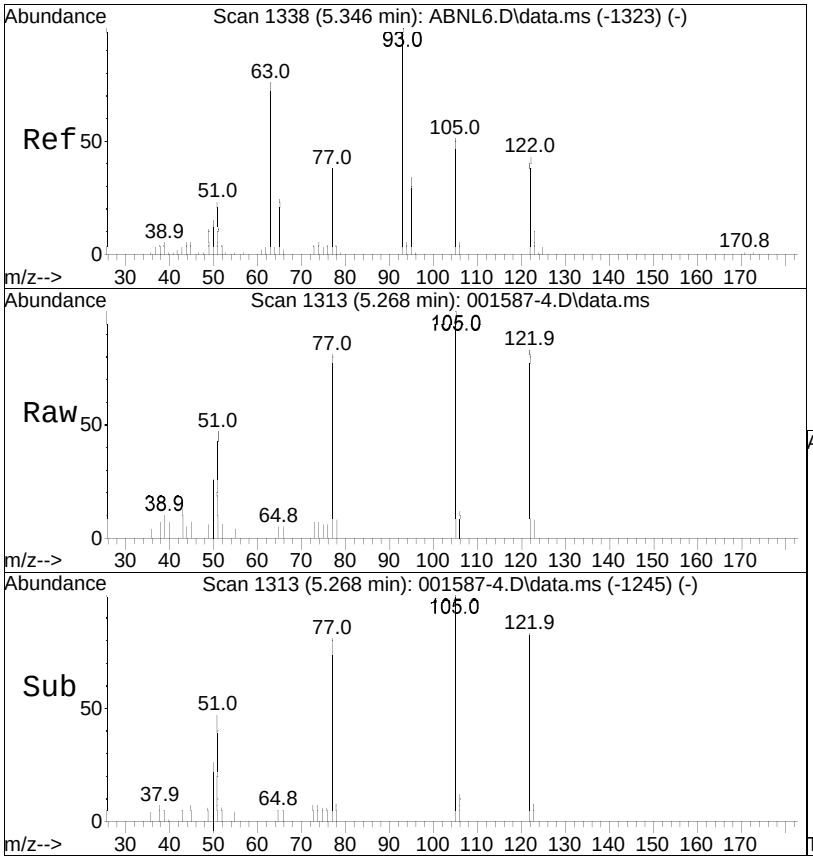


#29
Acetophenone
Concen: 1.76 ug/ml
RT: 4.637 min Scan# 1110
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:105 Resp: 16093

Ion	Ratio	Lower	Upper
105	100		
120	15.9	20.5	30.7#
51	34.0	34.9	52.3#

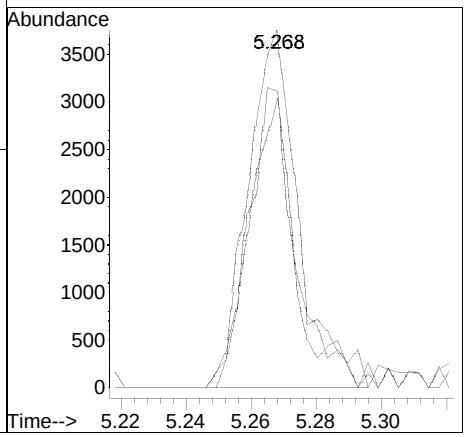


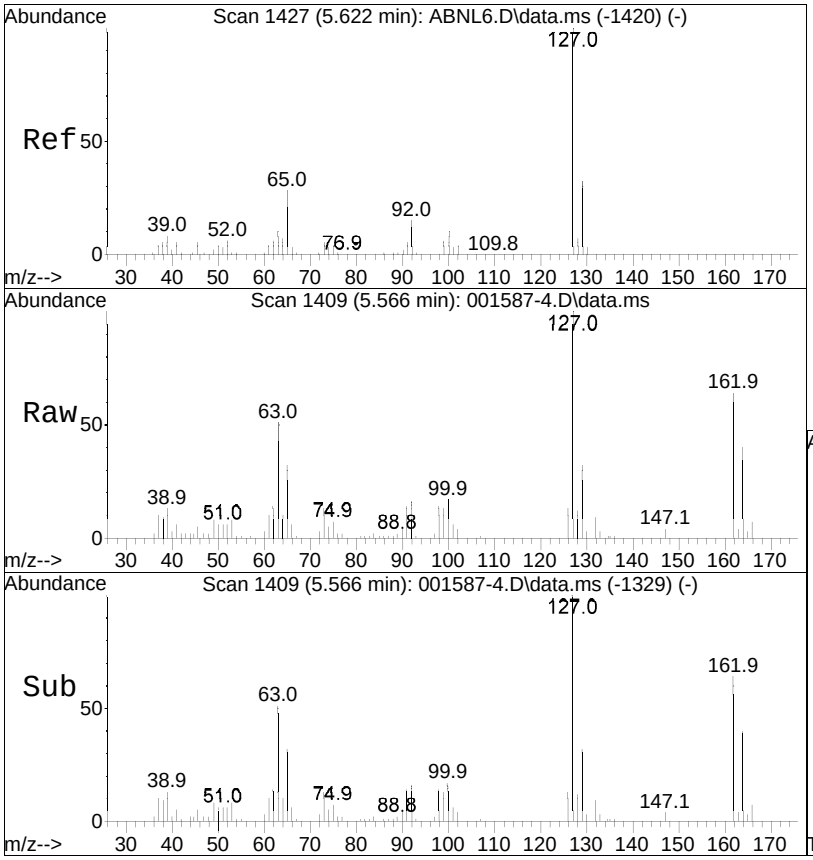


#39
Benzoic Acid
Concen: 0.68 ug/ml
RT: 5.268 min Scan# 1313
Delta R.T. -0.037 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:105 Resp: 4041

Ion	Ratio	Lower	Upper
105	100		
122	76.4	59.9	89.9
77	68.5	60.1	90.1

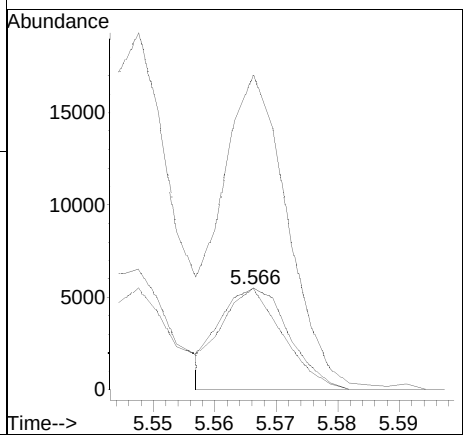


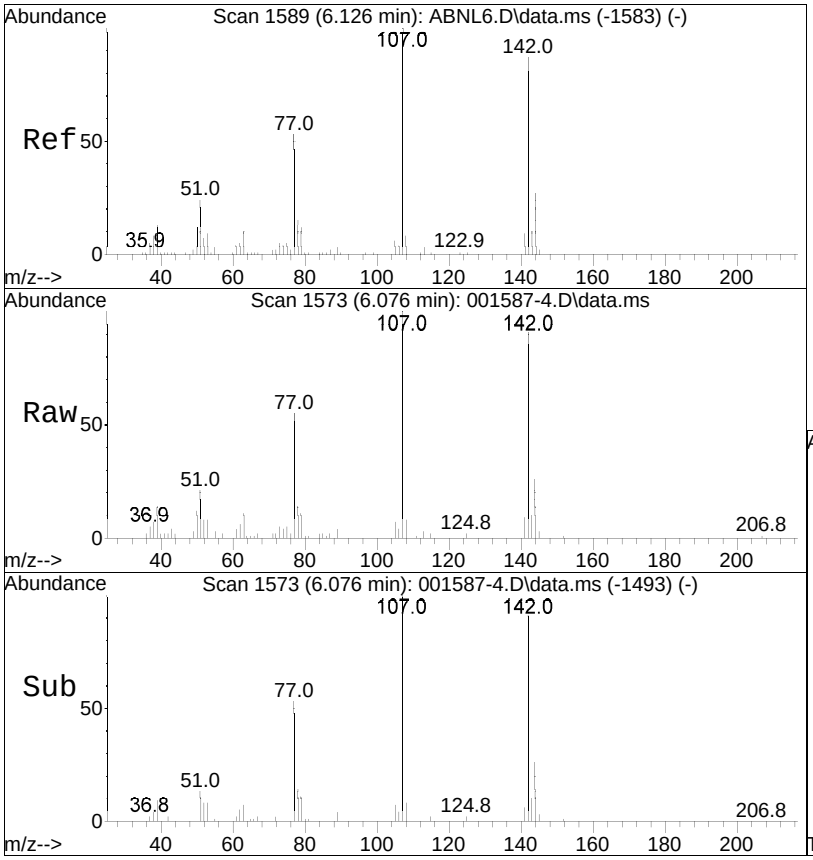


#40
4-Chloroaniline
Concen: 1.25 ug/ml
RT: 5.566 min Scan# 1409
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 65 Resp: 3943

Ion	Ratio	Lower	Upper
65	100		
127	321.0	237.6	356.4
129	105.4	76.3	114.5

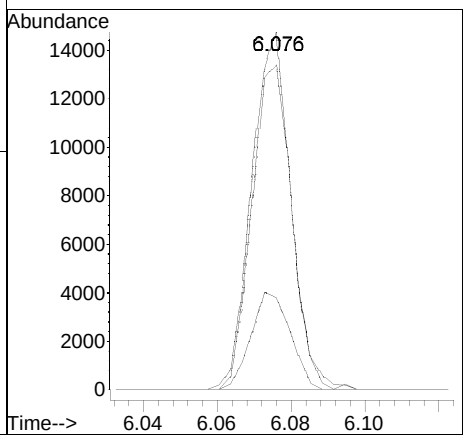


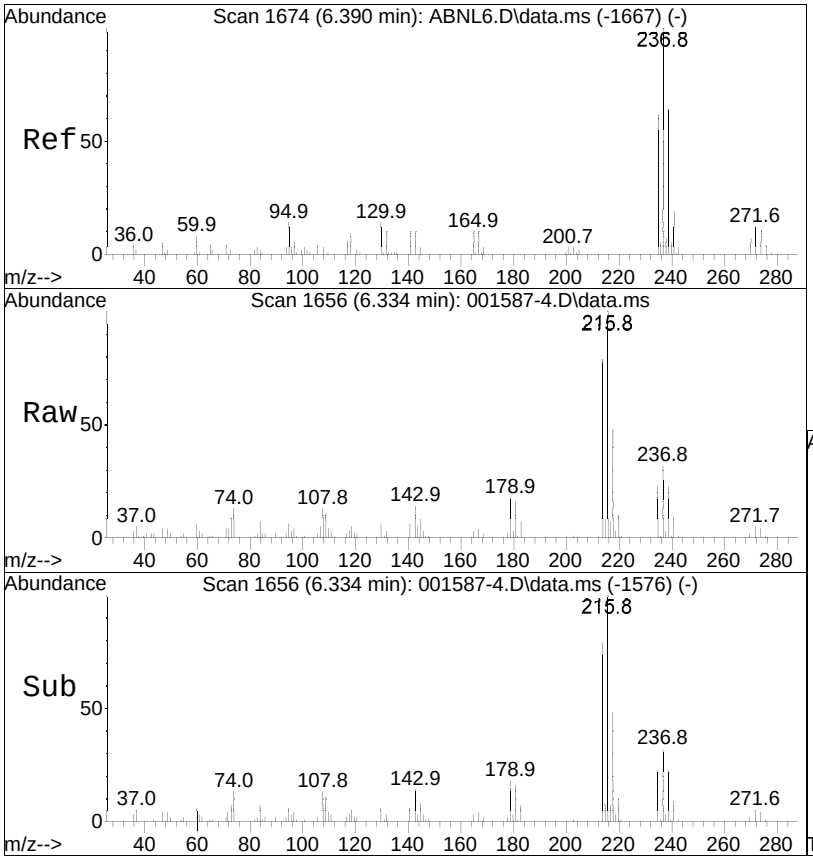


#42
p-Chloro-m-cresol
Concen: 1.43 ug/ml
RT: 6.076 min Scan# 1573
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:107 Resp: 10795

Ion	Ratio	Lower	Upper
107	100		
144	27.4	20.9	31.3
142	92.1	66.1	99.1

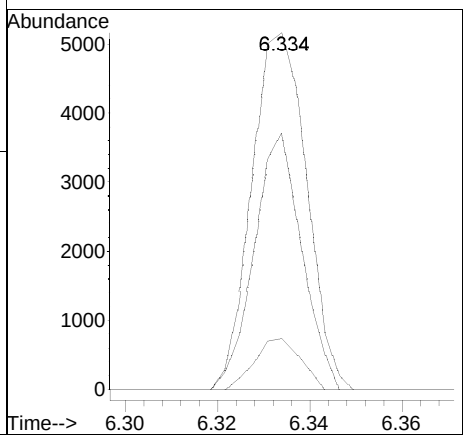


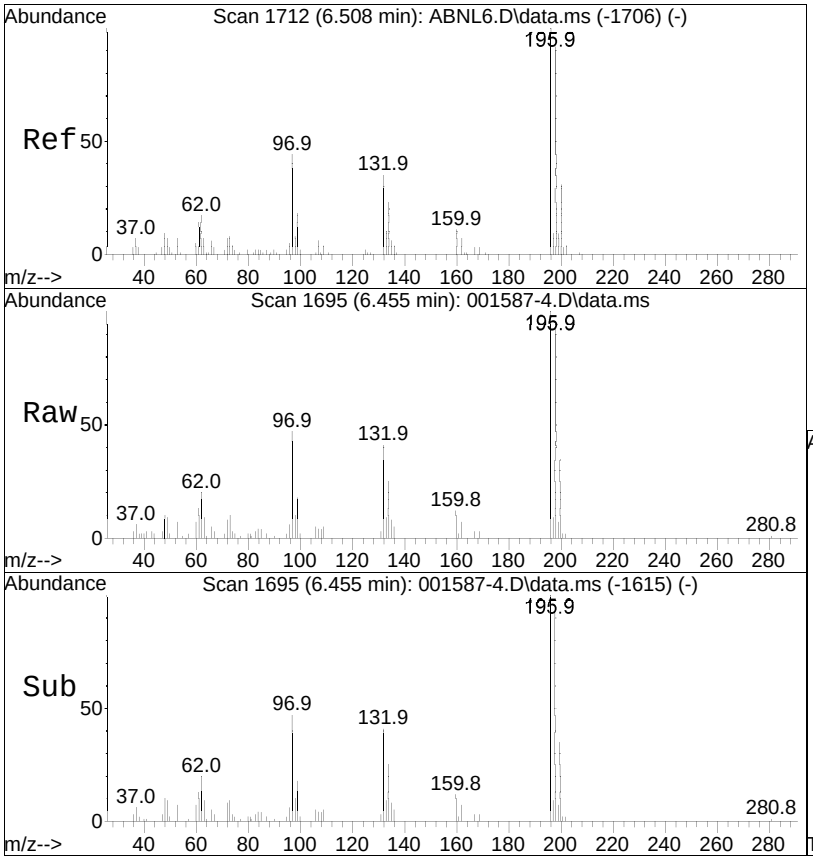


#45
Hexachlorocyclopentadiene
Concen: 0.60 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:237 Resp: 4248

Ion	Ratio	Lower	Upper
237	100		
235	62.4	49.7	74.5
272	12.1	9.8	14.6

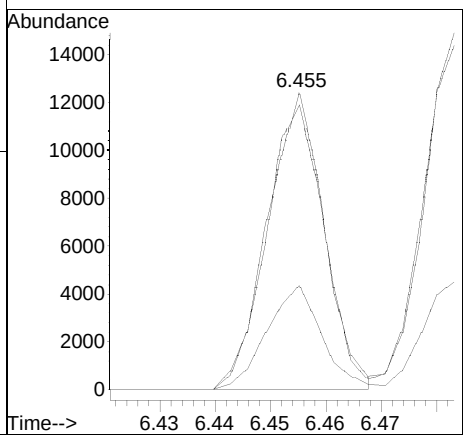


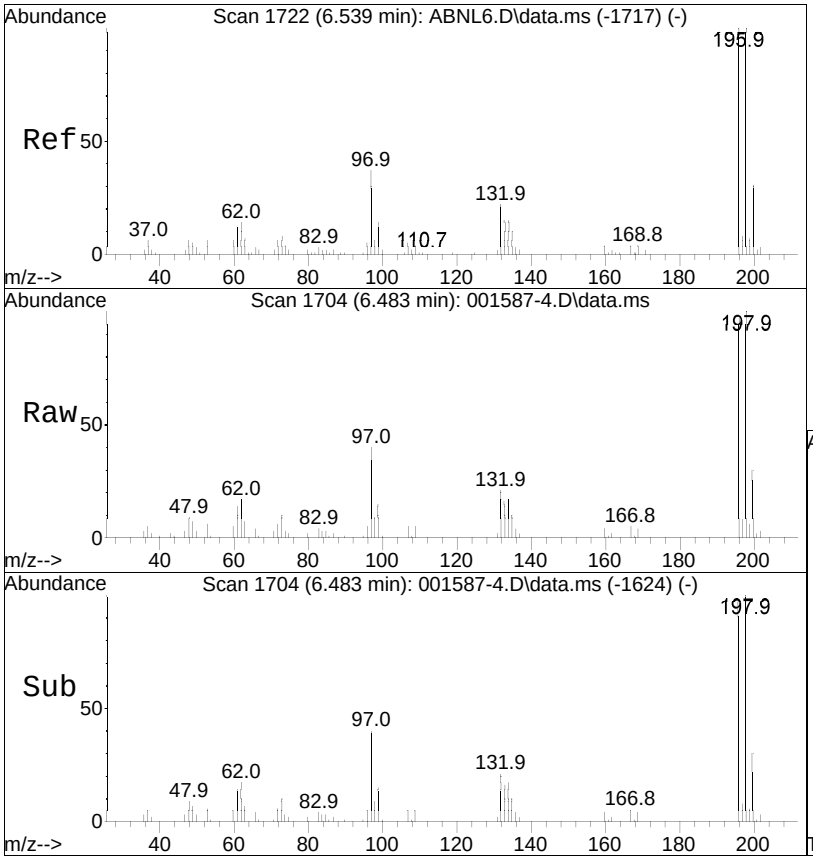


#46
2,4,6-Trichlorophenol
Concen: 1.18 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:196 Resp: 8839

Ion	Ratio	Lower	Upper
196	100		
198	97.4	77.5	116.3
200	34.3	23.8	35.6

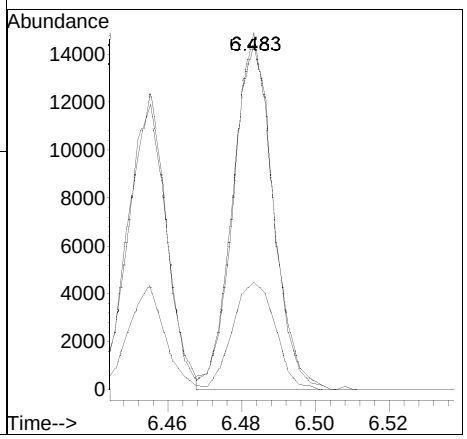


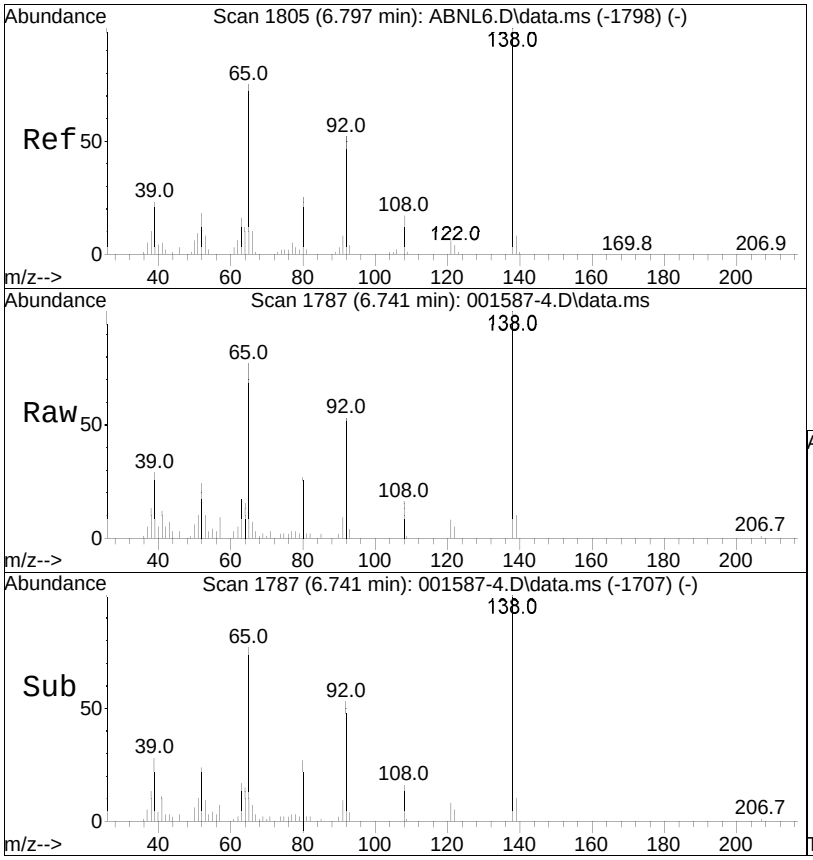


#47
2,4,5-Trichlorophenol
Concen: 1.33 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:196 Resp: 11139

Ion	Ratio	Lower	Upper
196	100		
200	32.3	25.4	38.0
198	98.0	78.0	117.0

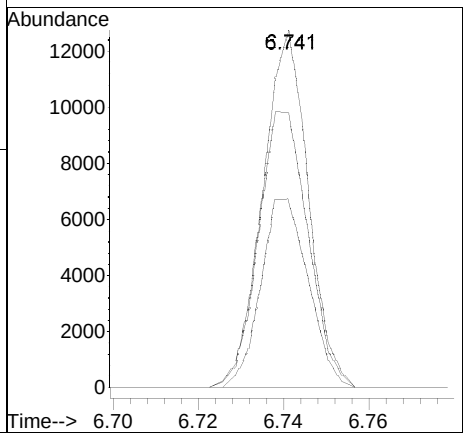


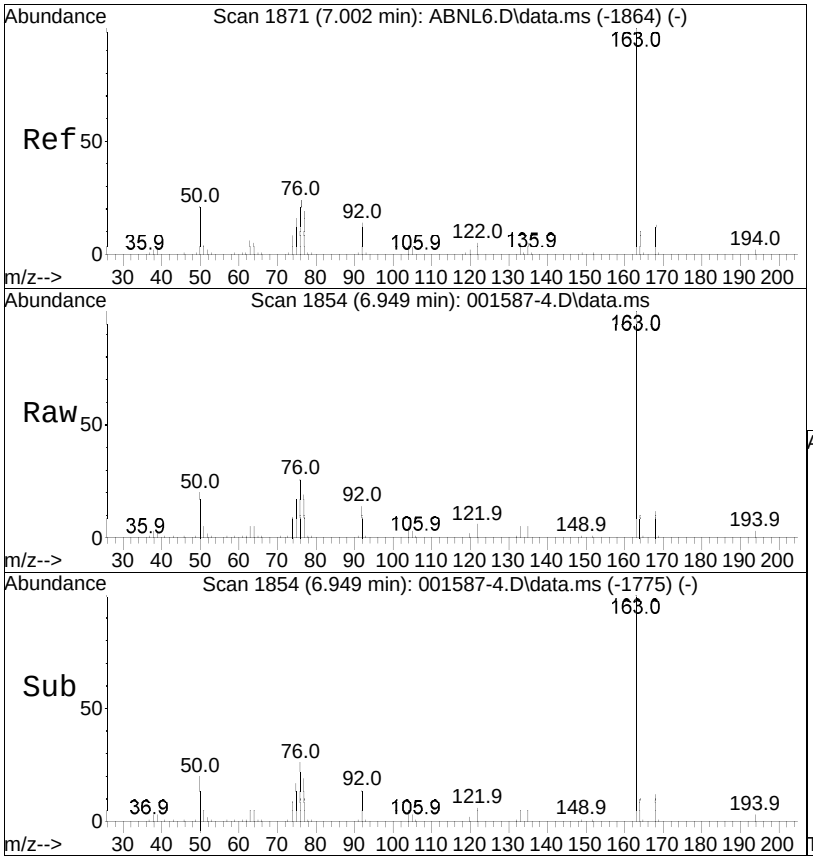


#50
2-Nitroaniline
Concen: 1.65 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:138 Resp: 9406

Ion	Ratio	Lower	Upper
138	100		
92	55.4	53.5	80.3
65	84.1	86.3	129.5#

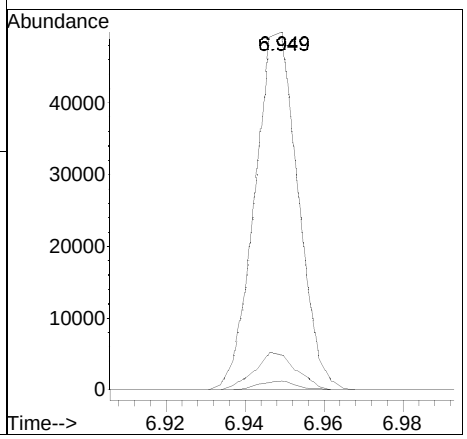


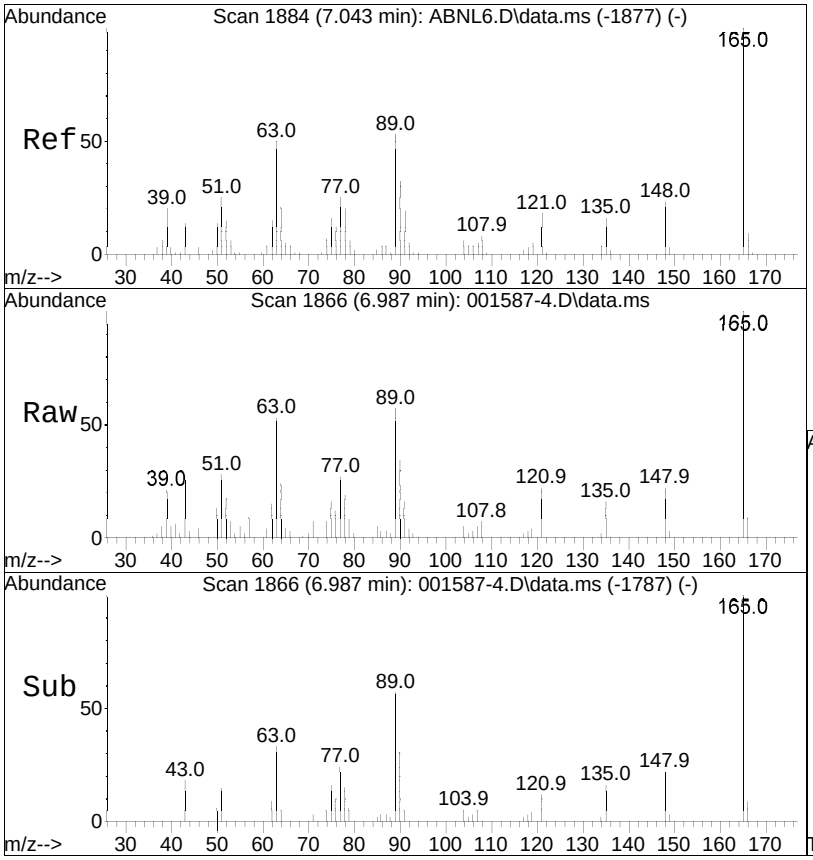


#53
Dimethyl phthalate
Concen: 1.46 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:163 Resp: 37587

Ion	Ratio	Lower	Upper
163	100		
194	2.1	3.5	5.3#
164	10.2	7.9	11.9

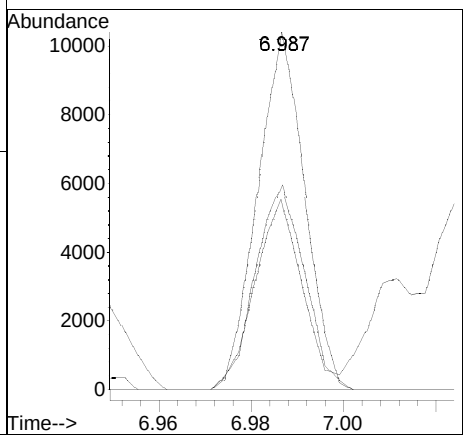


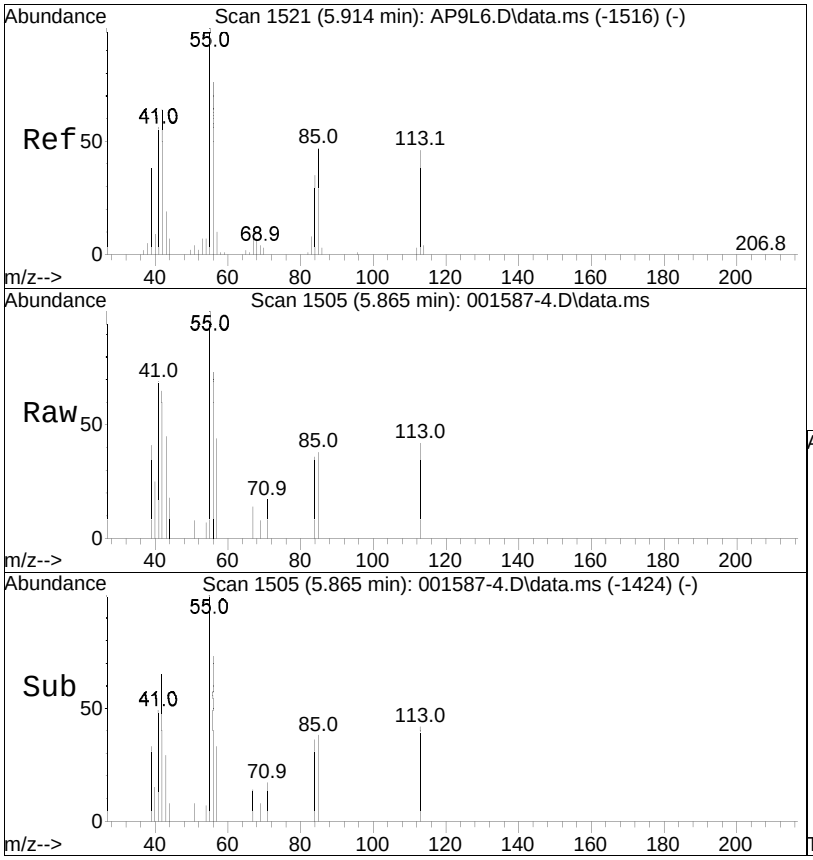


#55
2,6-Dinitrotoluene
Concen: 1.53 ug/ml
RT: 6.987 min Scan# 1866
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:165 Resp: 7358

Ion	Ratio	Lower	Upper
165	100		
89	59.9	54.2	81.2
63	54.0	64.2	96.2#

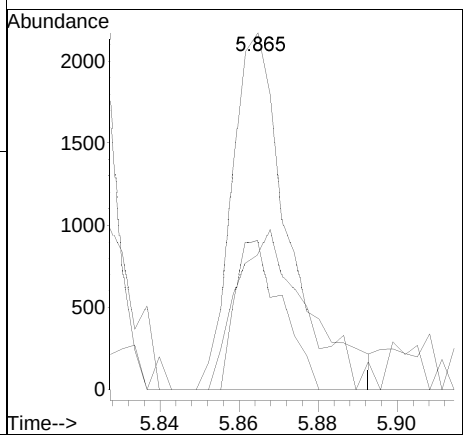


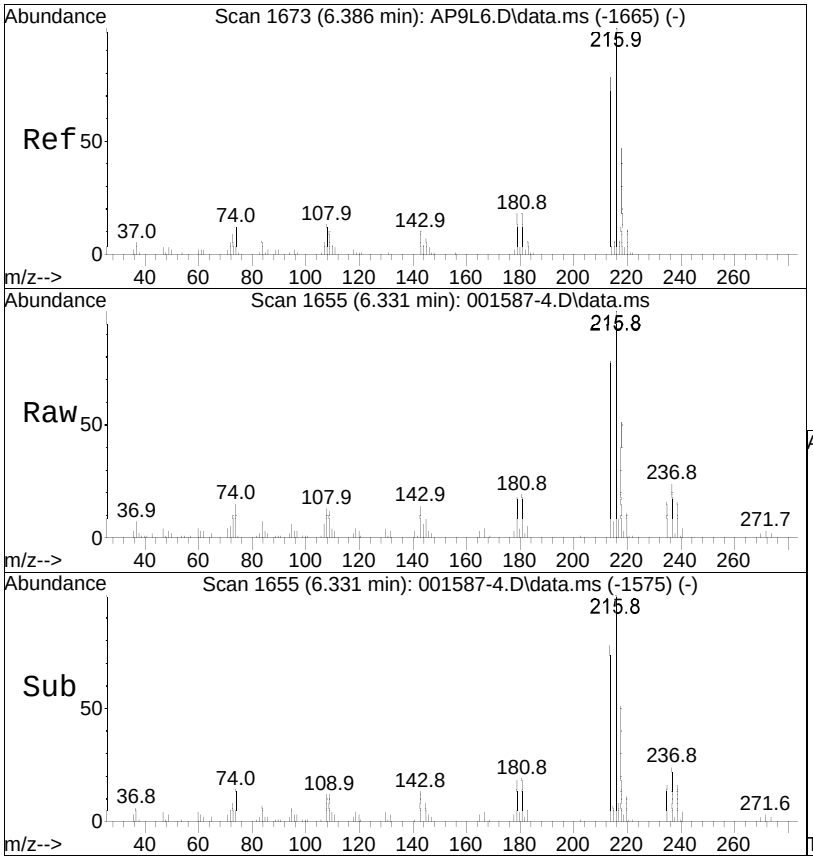


#62
Caprolactam
Concen: 0.69 ug/ml
RT: 5.865 min Scan# 1505
Delta R.T. 0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 55 Resp: 2200

Ion	Ratio	Lower	Upper
55	100		
85	52.5	19.8	29.6#
113	33.8	29.6	44.4

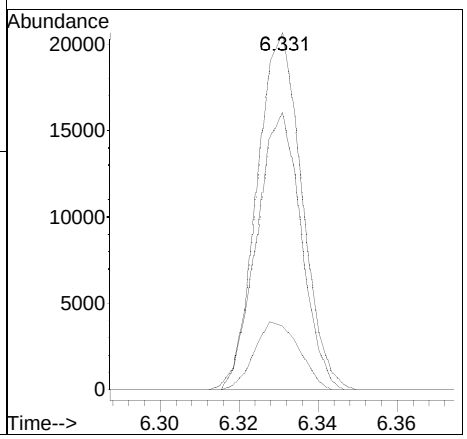


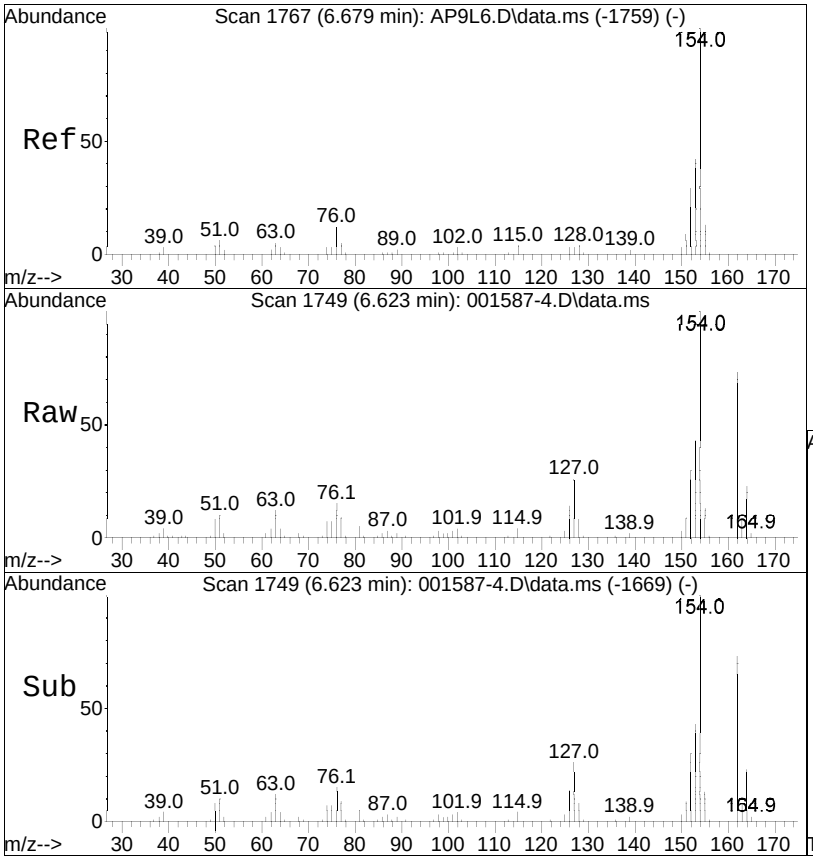


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.51 ug/ml
RT: 6.331 min Scan# 1655
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:216 Resp: 16253

Ion	Ratio	Lower	Upper
216	100		
214	76.6	63.7	95.5
179	19.0	19.0	28.6#

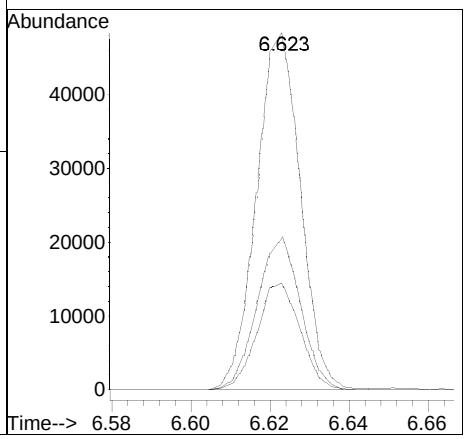


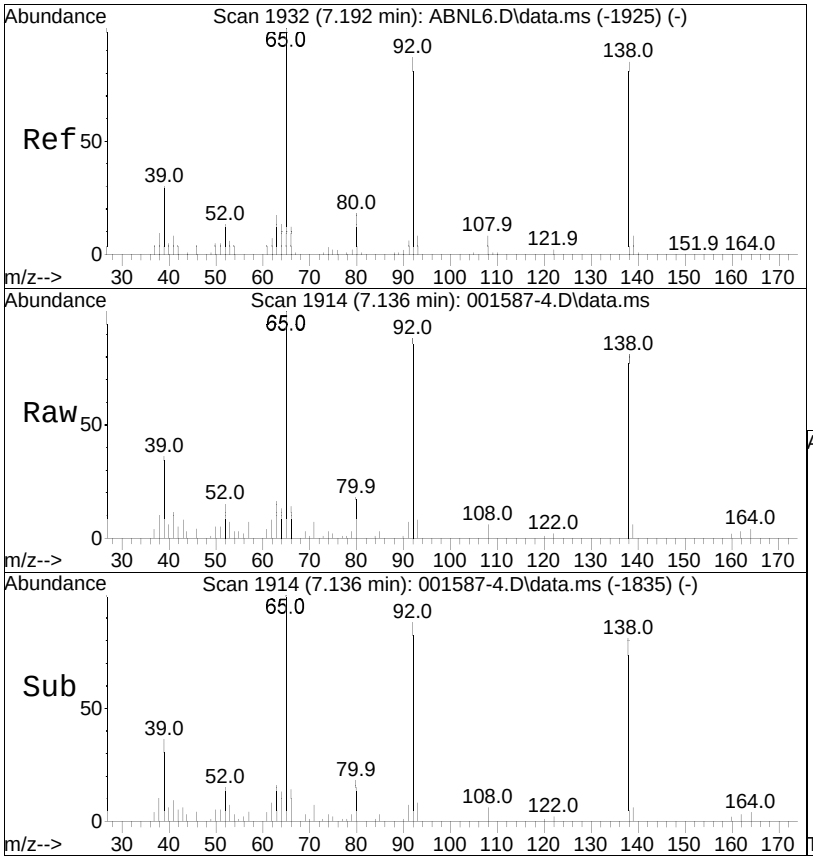


#64
Biphenyl
Concen: 1.69 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:154 Resp: 37128

Ion	Ratio	Lower	Upper
154	100		
153	42.4	32.3	48.5
152	29.6	22.5	33.7

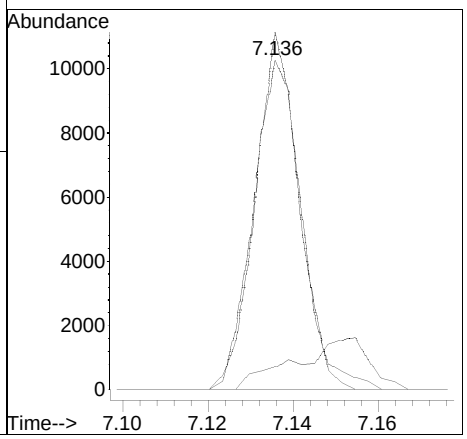


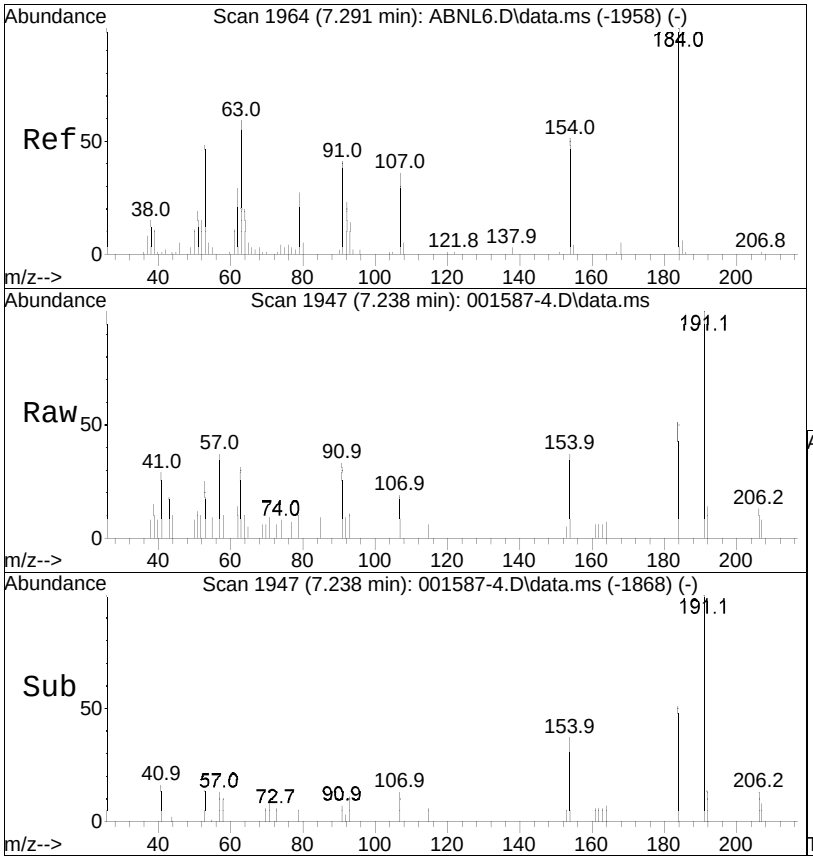


#66
3-Nitroaniline
Concen: 1.39 ug/ml
RT: 7.136 min Scan# 1914
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:138 Resp: 7736

Ion	Ratio	Lower	Upper
138	100		
92	106.6	93.4	140.2
108	25.2	9.5	14.3#

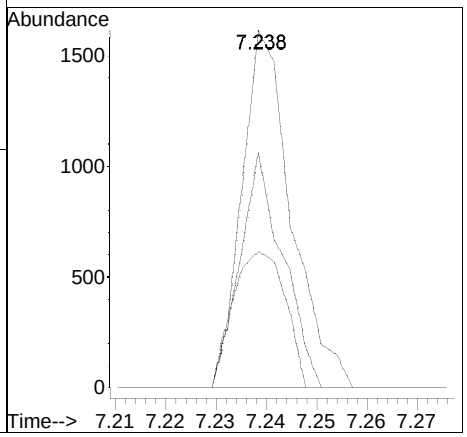


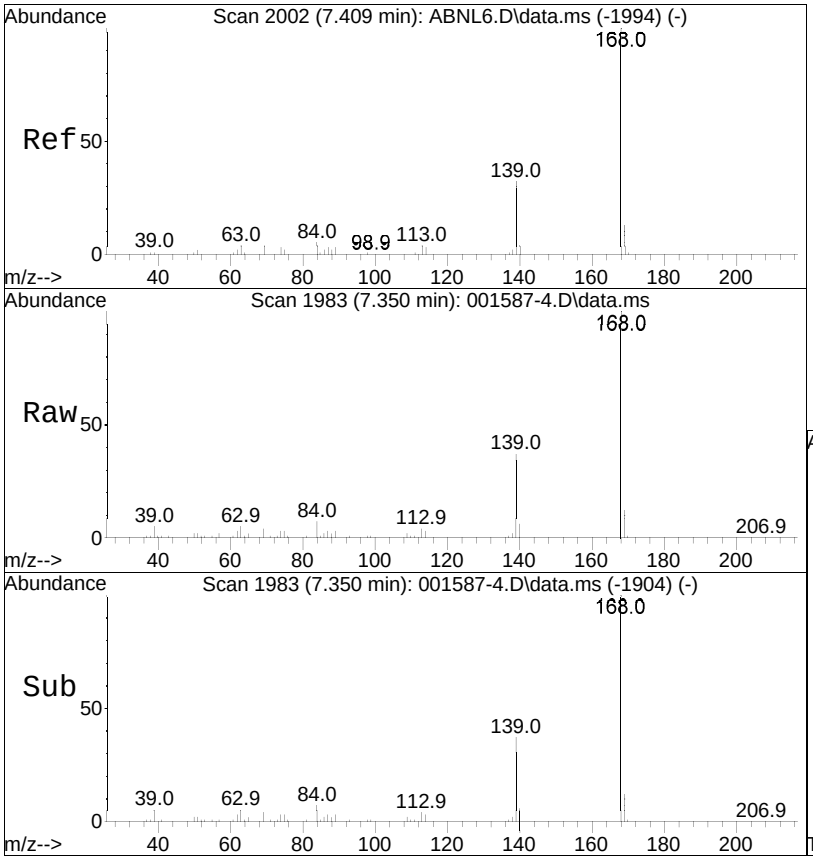


#68
2,4-Dinitrophenol
Concen: 0.32 ug/ml
RT: 7.238 min Scan# 1947
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:184 Resp: 1094

Ion	Ratio	Lower	Upper
184	100		
107	0.0	37.7	56.5#
91	57.1	46.3	69.5

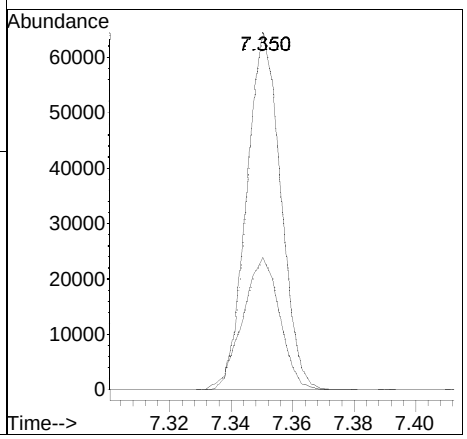


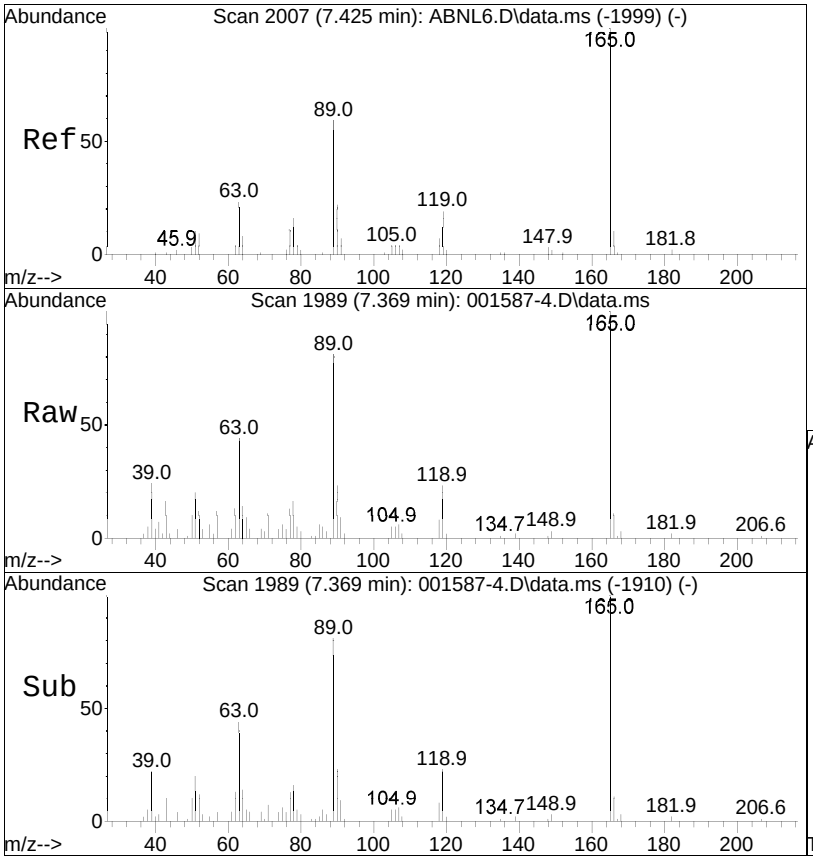


#69
Dibenzofuran
Concen: 1.35 ug/ml
RT: 7.350 min Scan# 1983
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:168 Resp: 48979

Ion	Ratio	Lower	Upper
168	100		
139	40.7	31.4	47.2

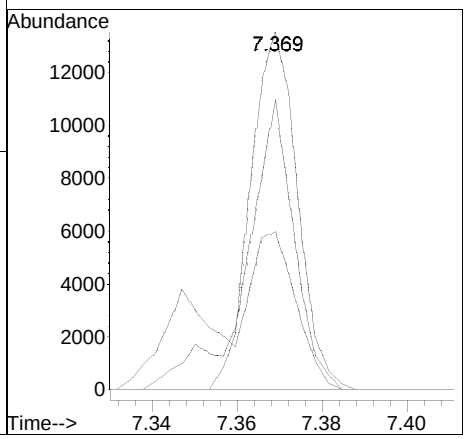


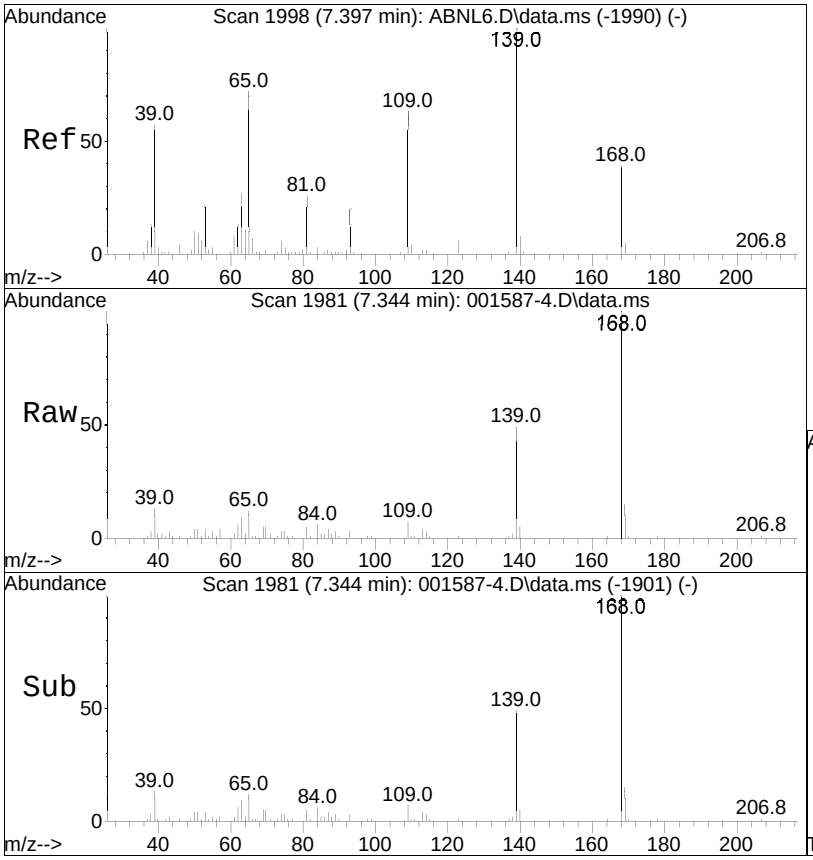


#70
2,4-Dinitrotoluene
Concen: 1.47 ug/ml
RT: 7.369 min Scan# 1989
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:165 Resp: 10293

Ion	Ratio	Lower	Upper
165	100		
89	83.4	72.0	108.0
63	42.7	52.7	79.1#

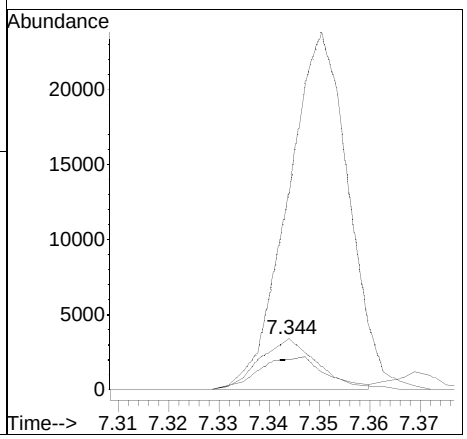


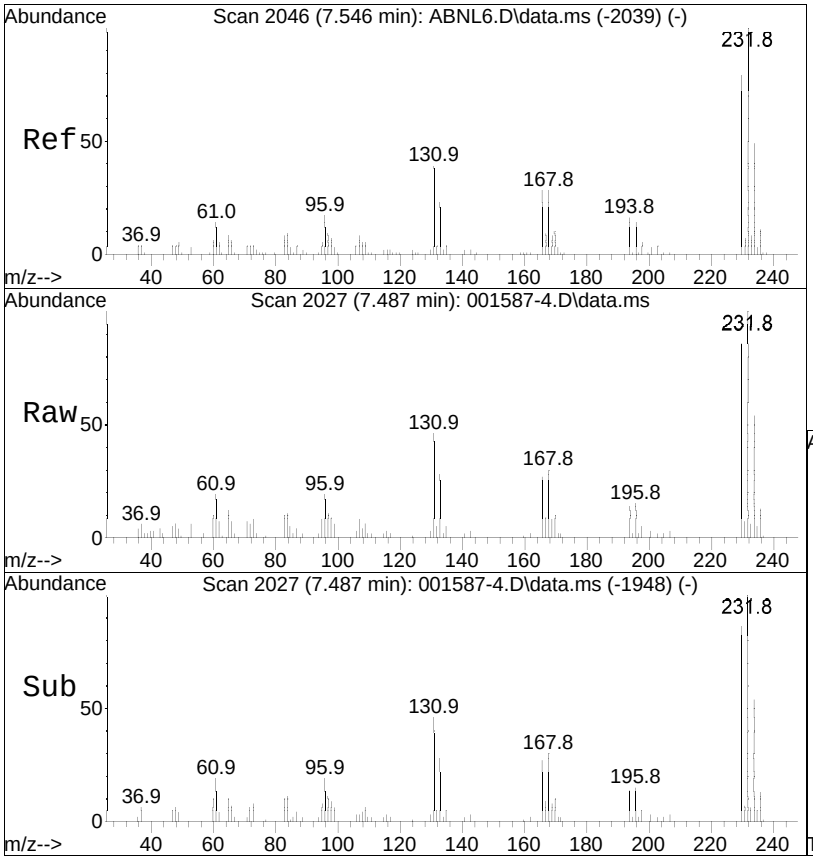


#71
4-Nitrophenol
Concen: 0.66 ug/ml
RT: 7.344 min Scan# 1981
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 65 Resp: 2729

Ion	Ratio	Lower	Upper
65	100		
109	73.8	47.4	71.2#
139	729.8	76.6	115.0#

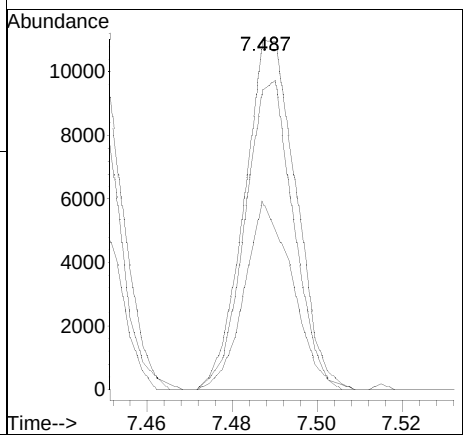


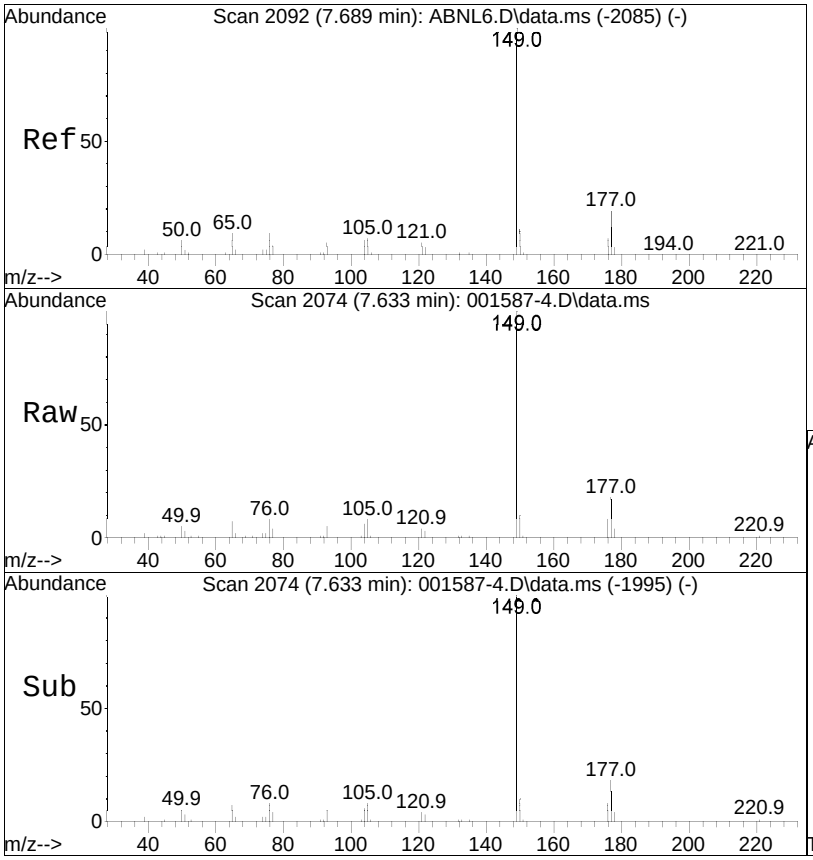


#73
2,3,4,6-Tetrachlorophenol
Concen: 1.21 ug/ml
RT: 7.487 min Scan# 2027
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:232 Resp: 9329

Ion	Ratio	Lower	Upper
232	100		
230	83.0	61.8	92.8
234	49.5	36.2	54.2

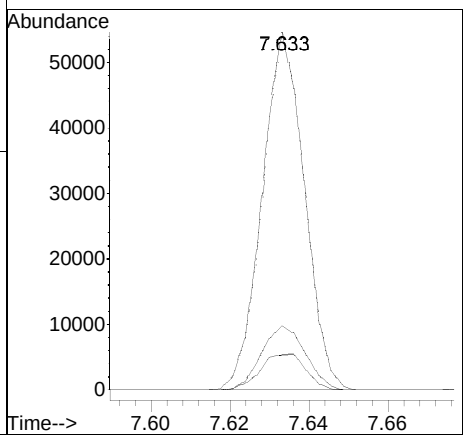


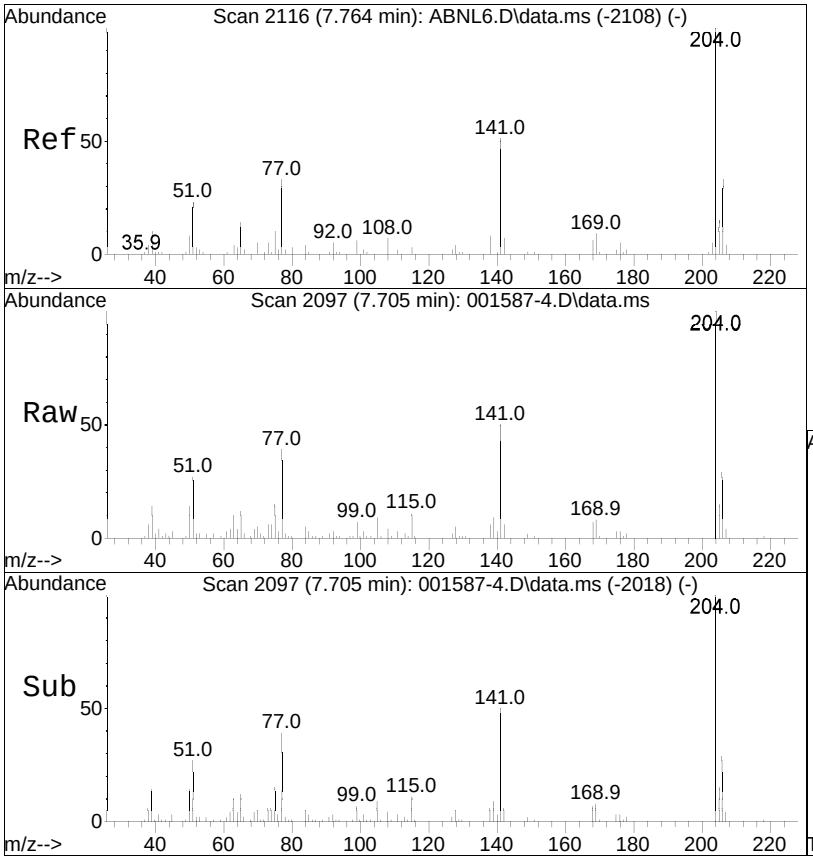


#74
Diethyl phthalate
Concen: 1.41 ug/ml
RT: 7.633 min Scan# 2074
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:149 Resp: 40056

Ion	Ratio	Lower	Upper
149	100		
177	18.7	16.1	24.1
150	10.9	9.4	14.2

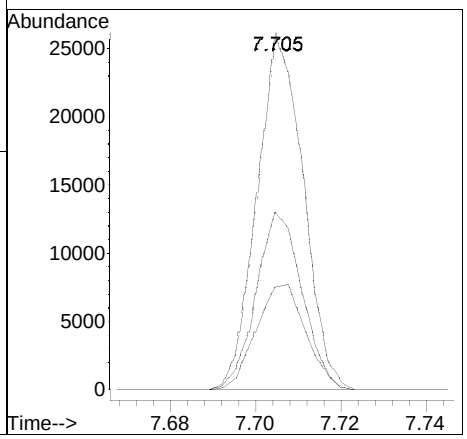


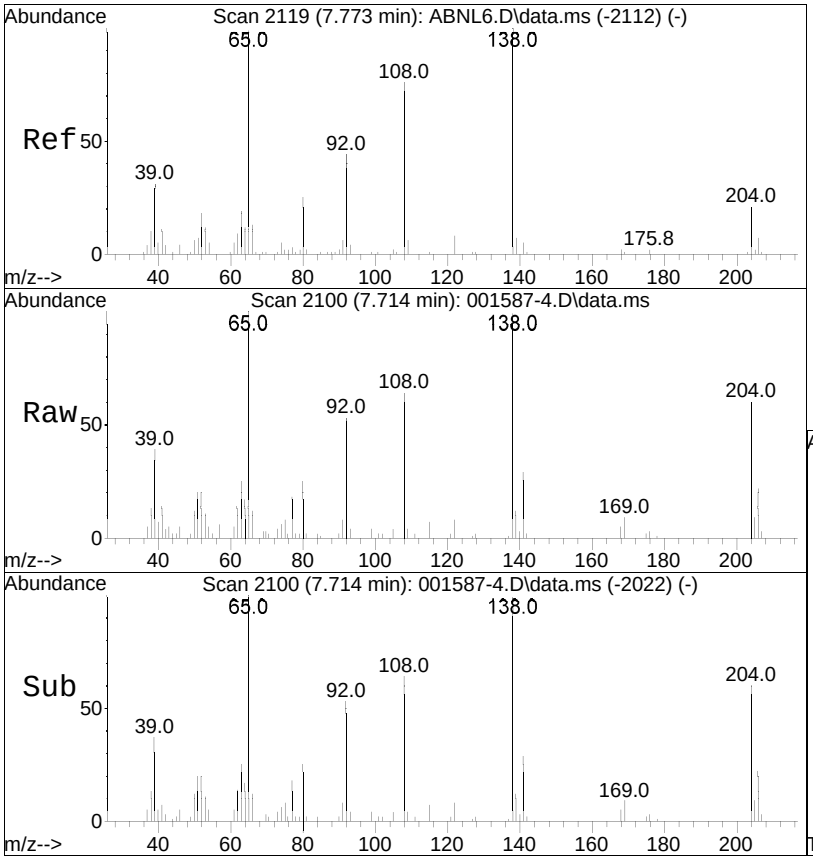


#76
4-Chlorophenyl phenyl ether
Concen: 1.37 ug/ml
RT: 7.705 min Scan# 2097
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:204 Resp: 19512

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.8	38.6
141	49.9	53.6	80.4#

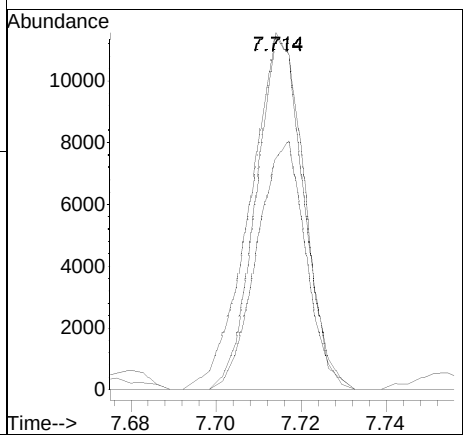


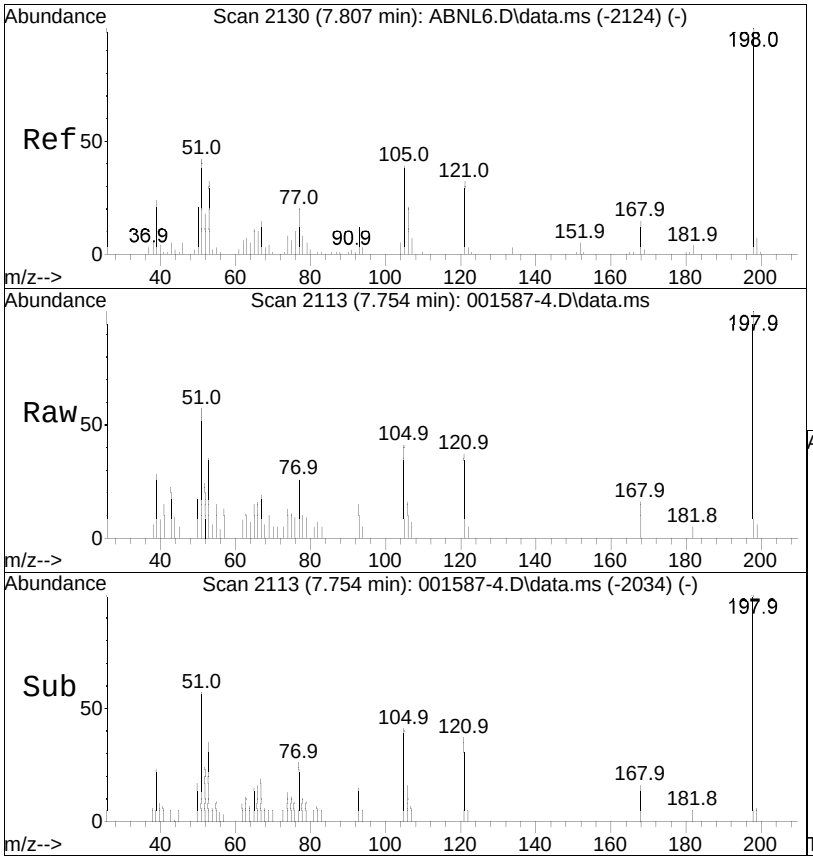


#77
4-Nitroaniline
Concen: 1.64 ug/ml
RT: 7.714 min Scan# 2100
Delta R.T. -0.006 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:138 Resp: 8830

Ion	Ratio	Lower	Upper
138	100		
108	72.3	52.1	78.1
65	115.2	115.0	172.6

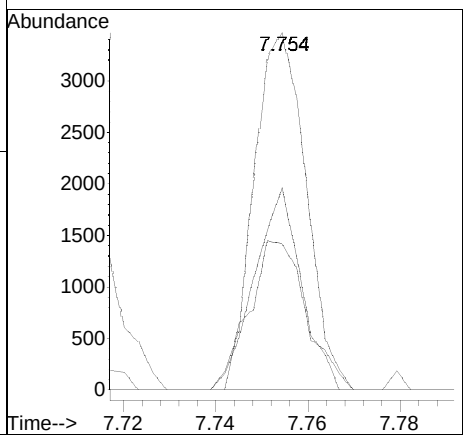


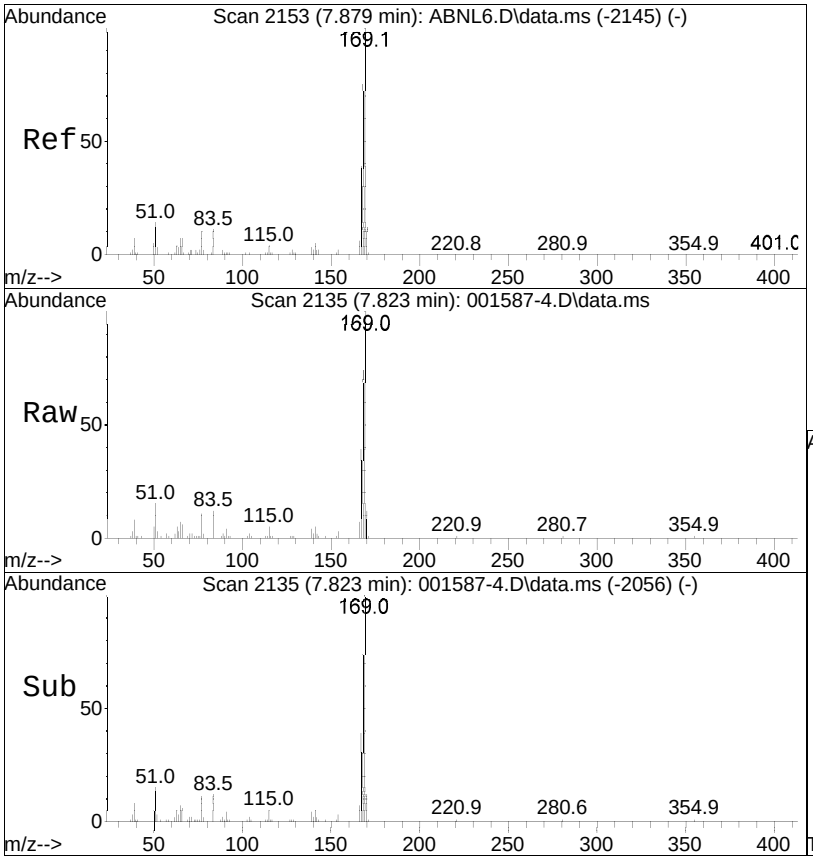


#78
4,6-Dinitro-o-cresol
Concen: 0.65 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:198 Resp: 2723

Ion	Ratio	Lower	Upper
198	100		
51	50.9	76.0	114.0#
105	44.6	45.6	68.4#

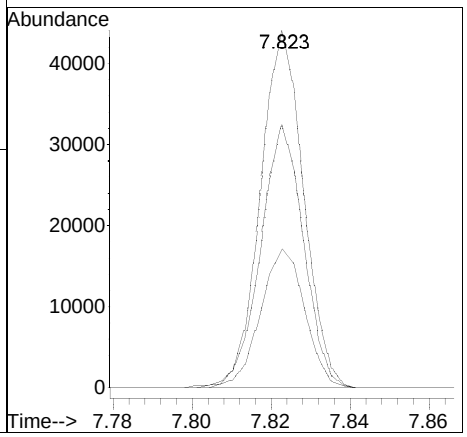


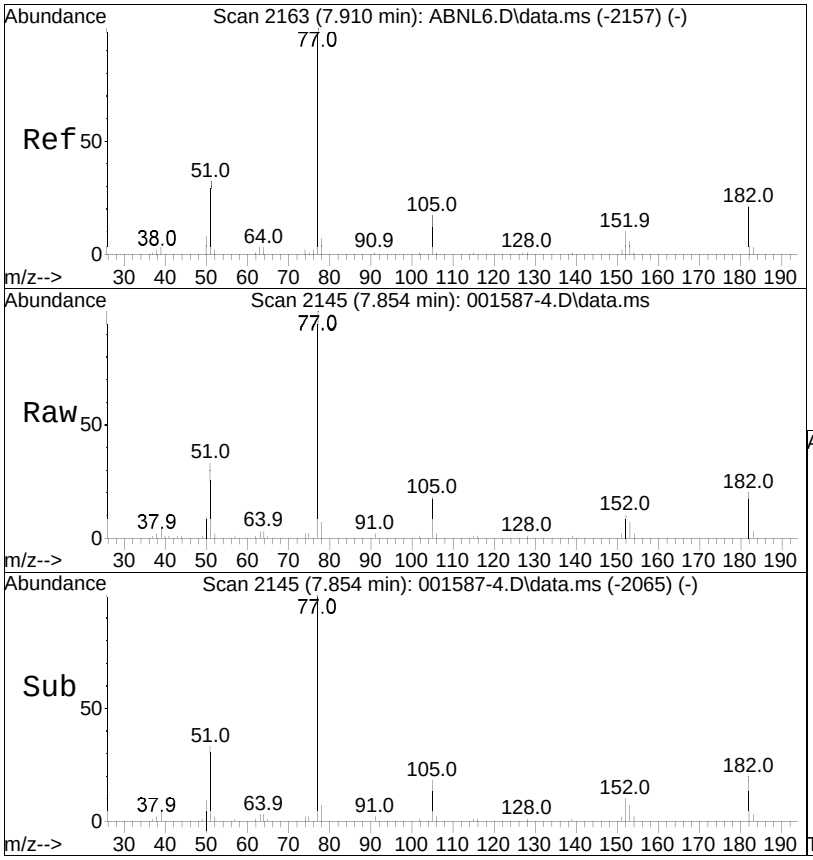


#79
NDPA/DPA
Concen: 1.38 ug/ml
RT: 7.823 min Scan# 2135
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:169 Resp: 33251

Ion	Ratio	Lower	Upper
169	100		
168	73.9	54.0	81.0
167	40.4	28.6	42.8

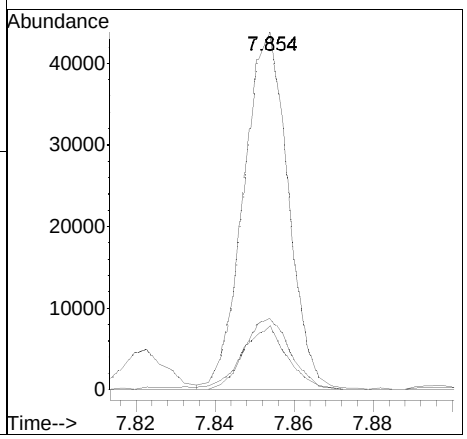


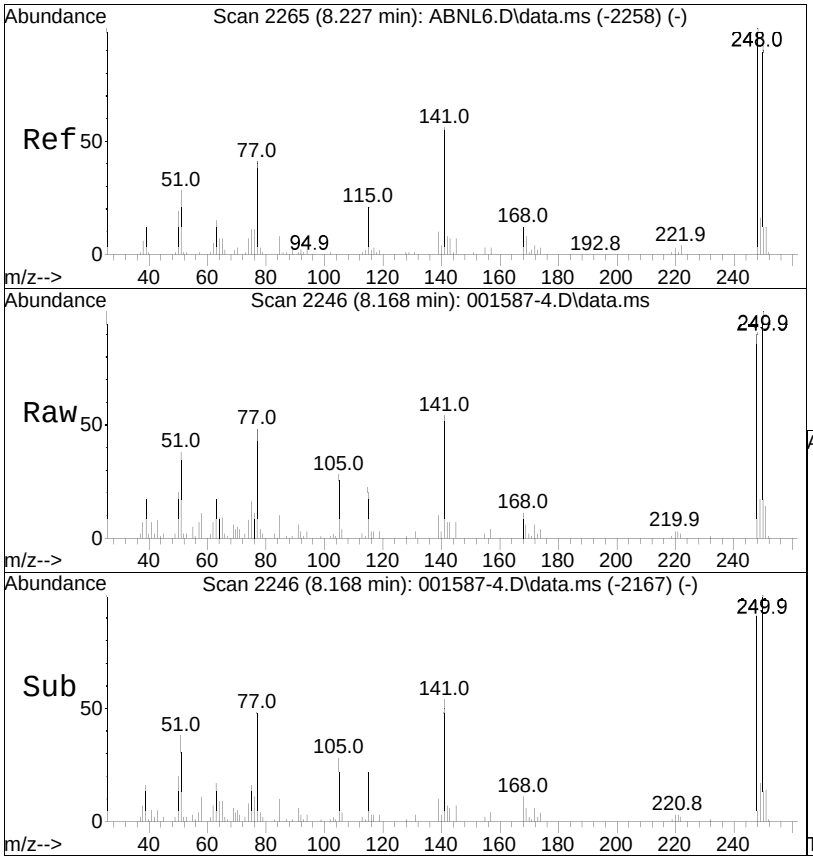


#80
Azobenzene
Concen: 1.47 ug/ml
RT: 7.854 min Scan# 2145
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion: 77 Resp: 33992

Ion	Ratio	Lower	Upper
77	100		
182	20.5	17.4	26.2
105	18.5	15.4	23.2

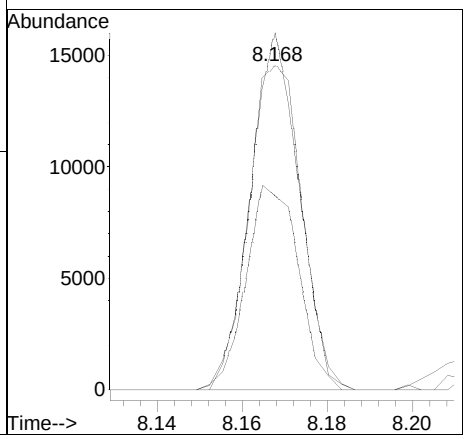


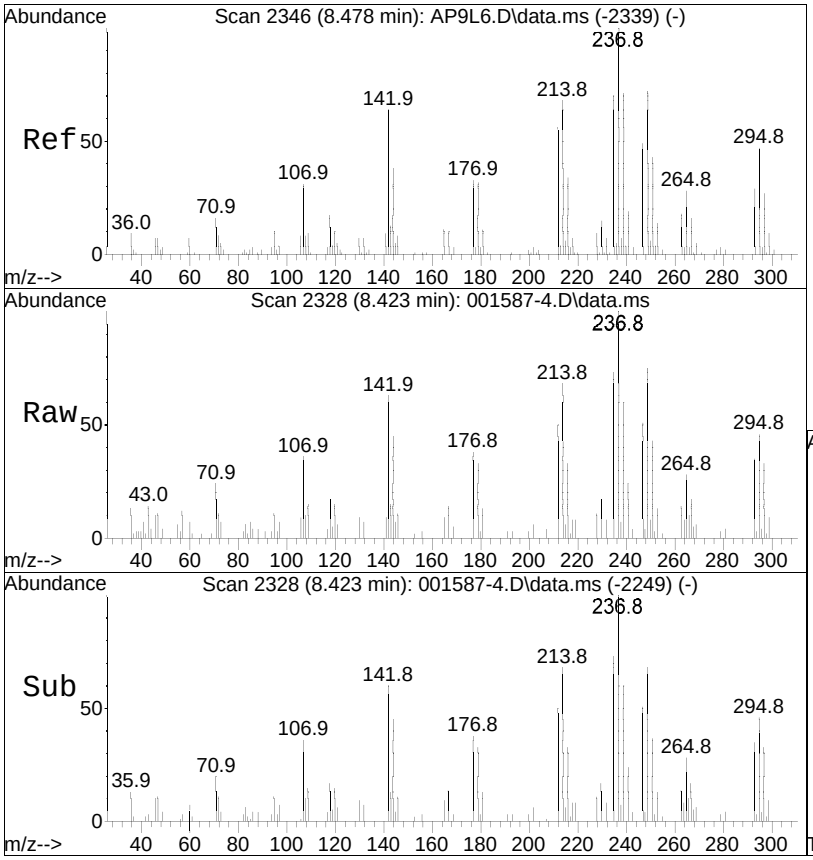


#82
4-Bromophenyl phenyl ether
Concen: 1.34 ug/ml
RT: 8.168 min Scan# 2246
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:248 Resp: 12635

Ion	Ratio	Lower	Upper
248	100		
141	61.8	76.6	114.8#
250	100.0	77.3	115.9

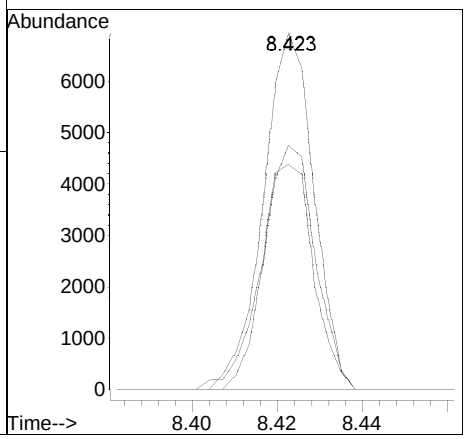


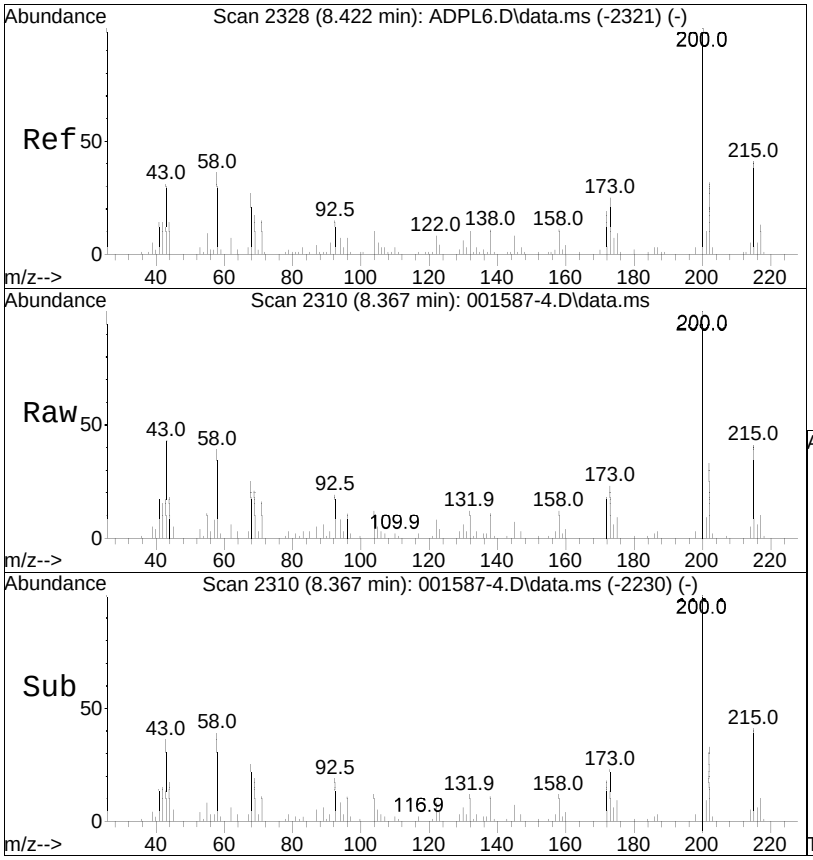


#87
Pentachloronitrobenzene
Concen: 1.70 ug/ml
RT: 8.423 min Scan# 2328
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:237 Resp: 5729

Ion	Ratio	Lower	Upper
237	100		
142	67.3	77.0	115.4#
214	68.7	58.2	87.4

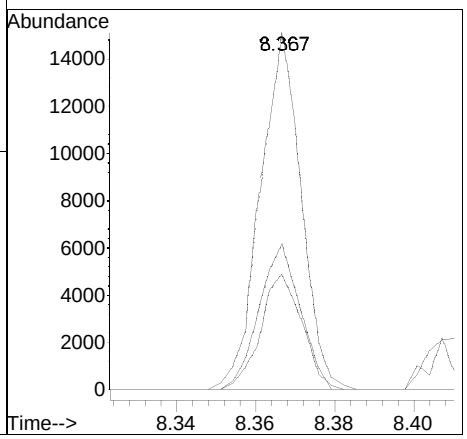


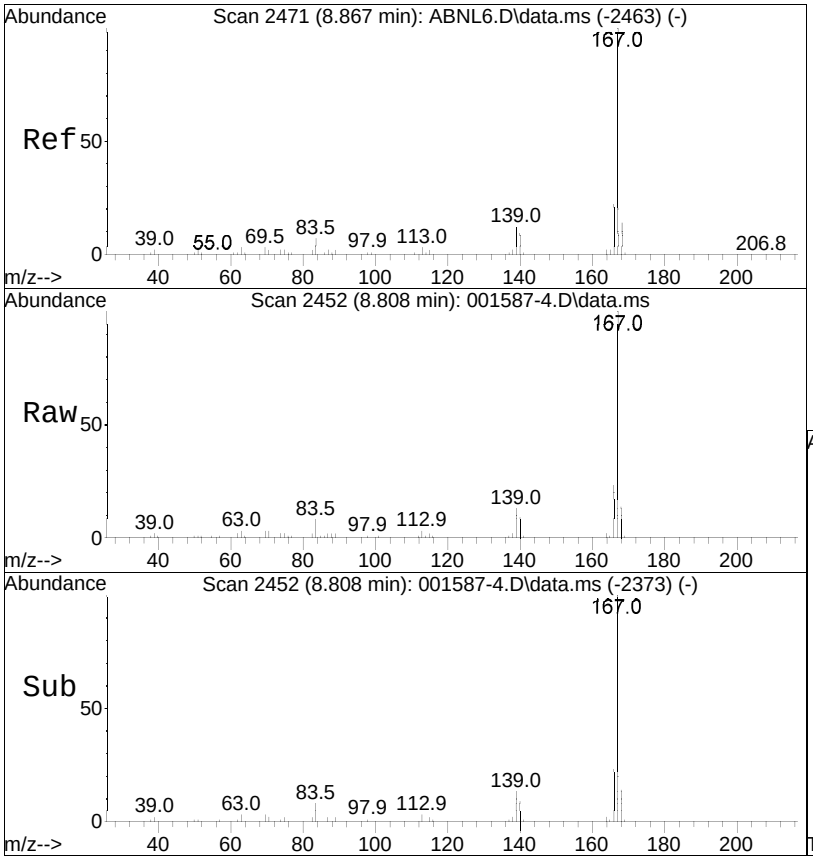


#89
Atrazine
Concen: 1.74 ug/ml
RT: 8.367 min Scan# 2310
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:200 Resp: 10758

Ion	Ratio	Lower	Upper
200	100		
202	32.9	25.8	38.6
215	41.2	40.2	60.4

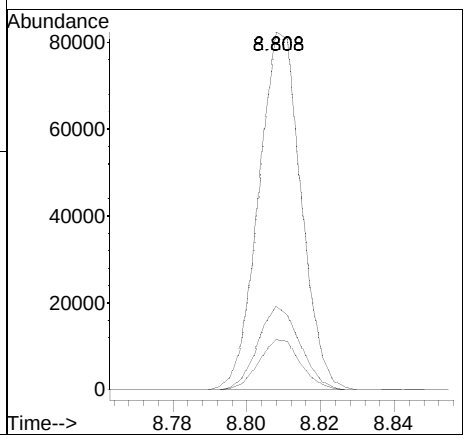


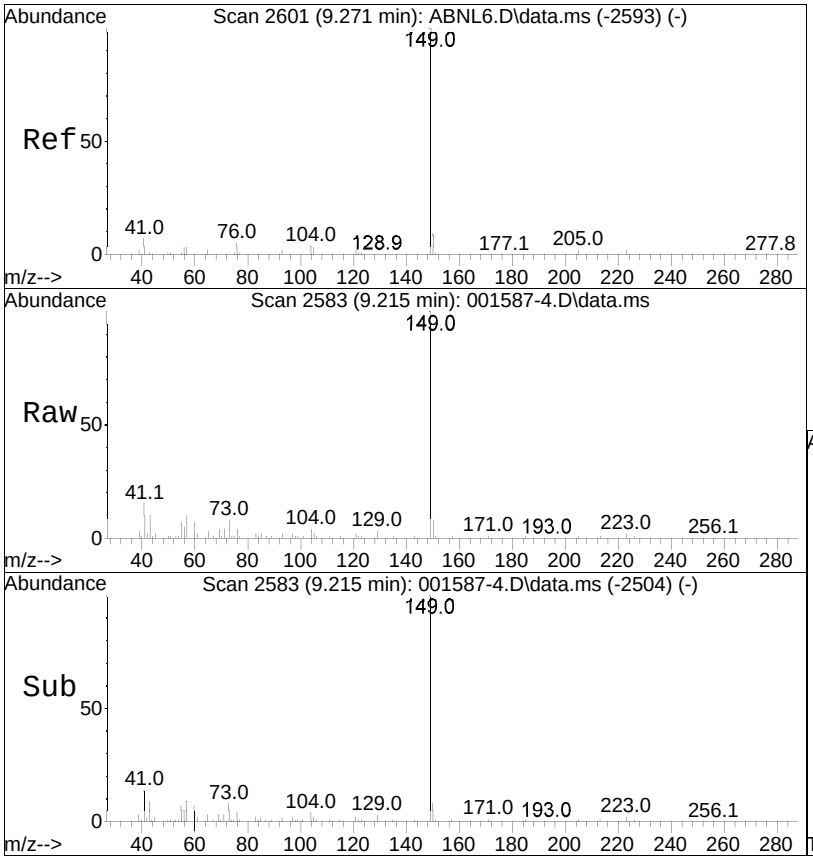


#93
Carbazole
Concen: 1.51 ug/ml
RT: 8.808 min Scan# 2452
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:167 Resp: 65149

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	23.2	17.4	26.0

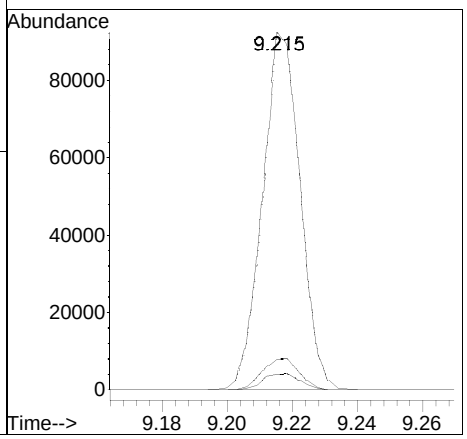


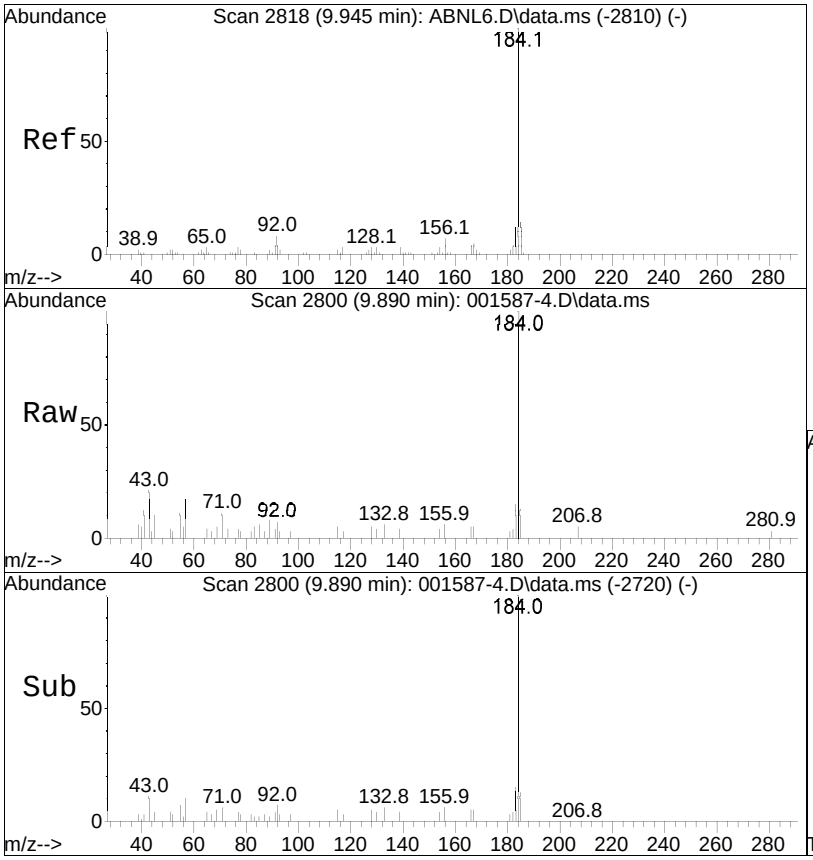


#94
Di-n-butylphthalate
Concen: 1.50 ug/ml
RT: 9.215 min Scan# 2583
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:149 Resp: 73447

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.0	10.6
104	4.5	4.5	6.7

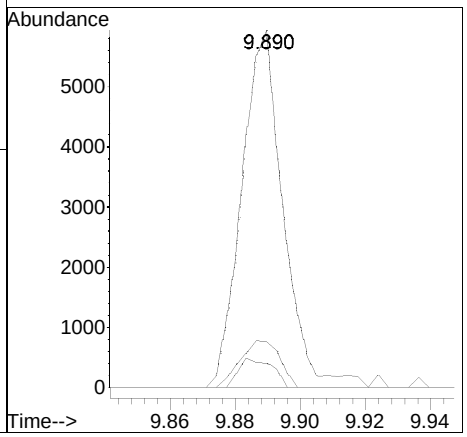


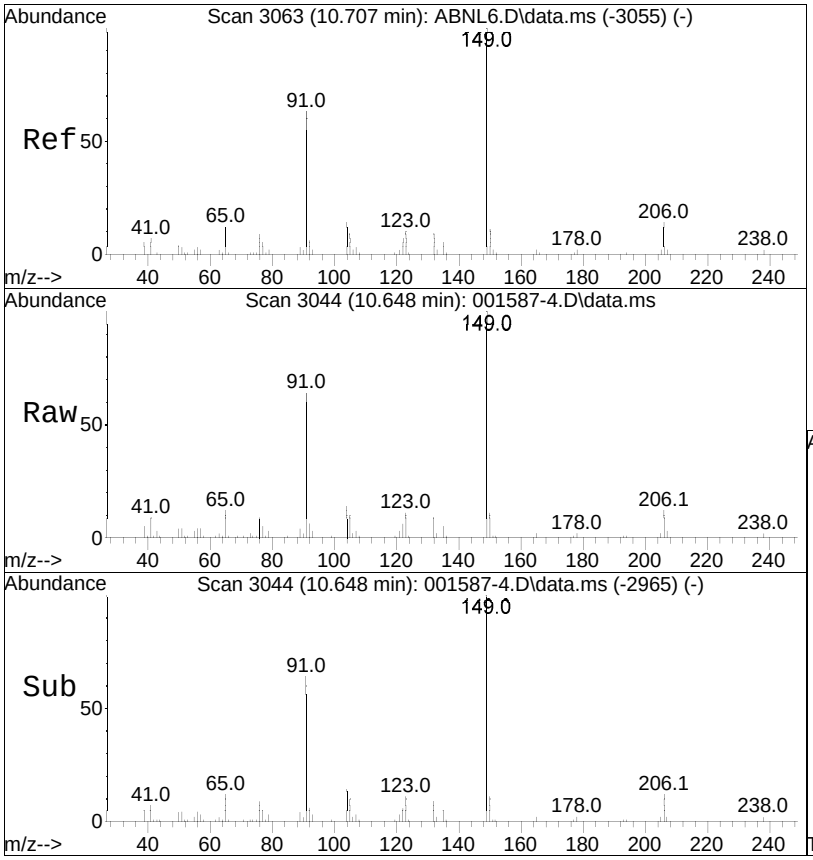


#96
Benzidine
Concen: 0.17 ug/ml
RT: 9.890 min Scan# 2800
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:184 Resp: 5205

Ion	Ratio	Lower	Upper
184	100		
92	0.0	9.1	13.7#
185	12.6	11.1	16.7

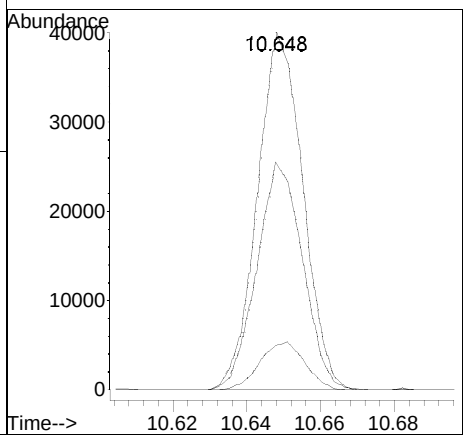


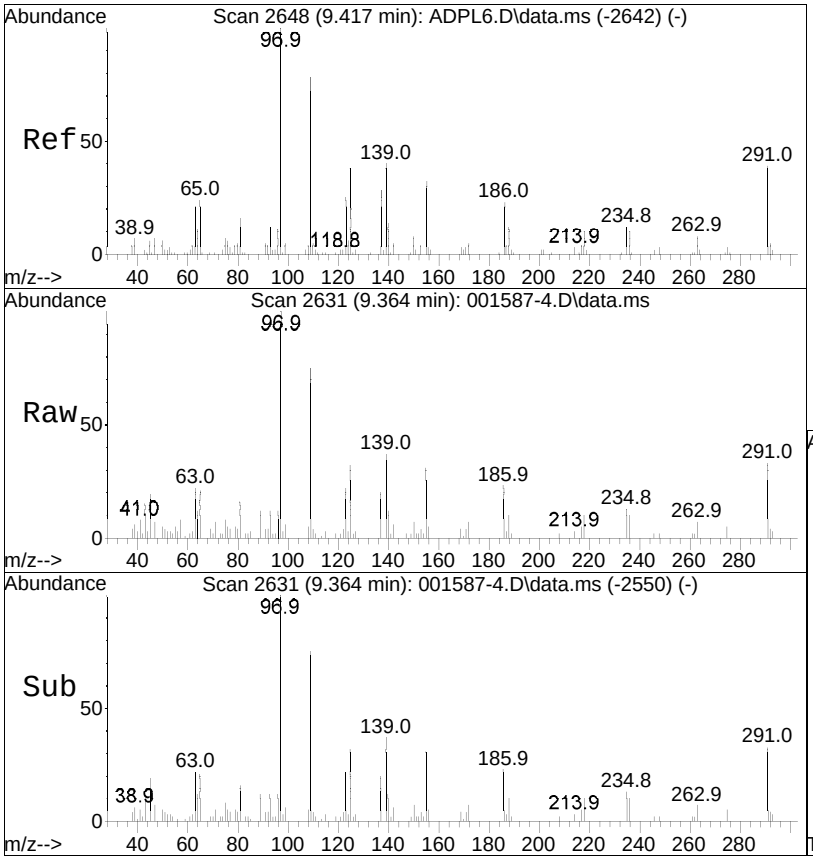


#99
Butyl benzyl phthalate
Concen: 1.61 ug/ml
RT: 10.648 min Scan# 3044
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:149 Resp: 33880

Ion	Ratio	Lower	Upper
149	100		
91	64.4	63.3	94.9
206	13.4	13.9	20.9#

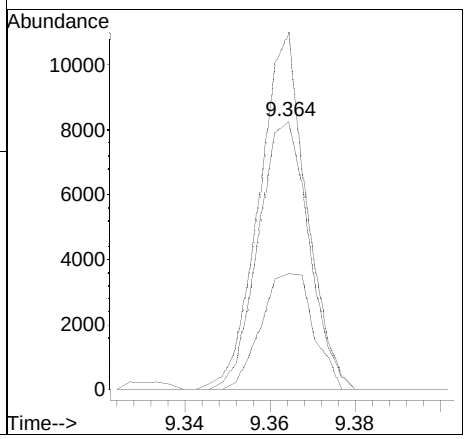


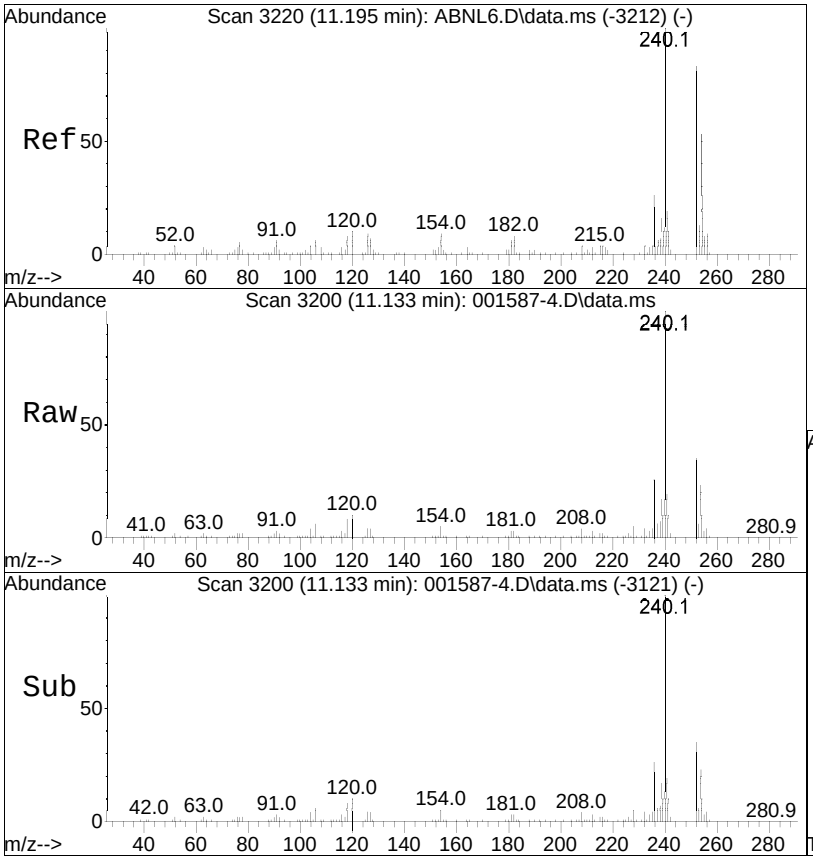


#104
Parathion
Concen: 2.16 ug/ml
RT: 9.364 min Scan# 2631
Delta R.T. 0.000 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:109 Resp: 6795

Ion	Ratio	Lower	Upper
109	100		
97	124.1	87.4	131.2
291	44.8	34.2	51.2

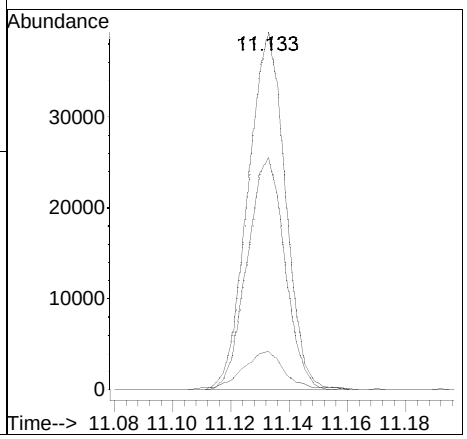


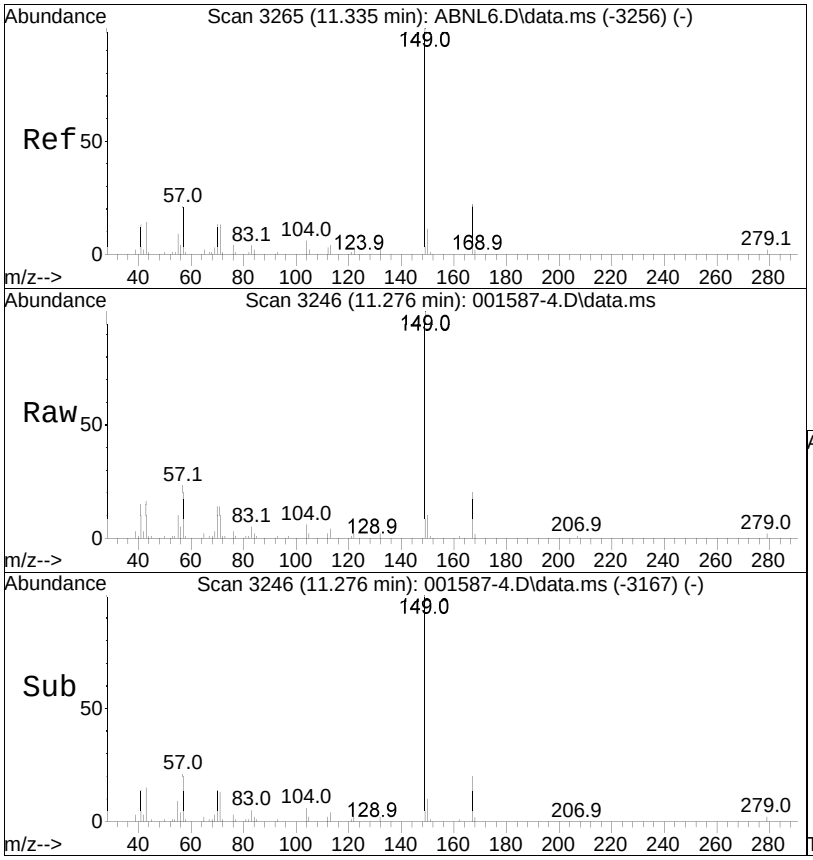


#108
3,3'-Dichlorobenzidine
Concen: 1.51 ug/ml
RT: 11.133 min Scan# 3200
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:252 Resp: 34816

Ion	Ratio	Lower	Upper
252	100		
126	12.8	14.5	21.7#
254	65.5	51.2	76.8

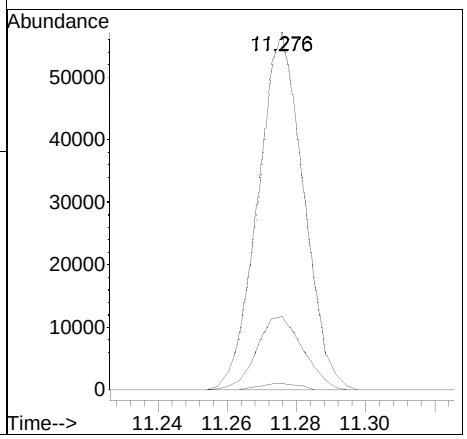


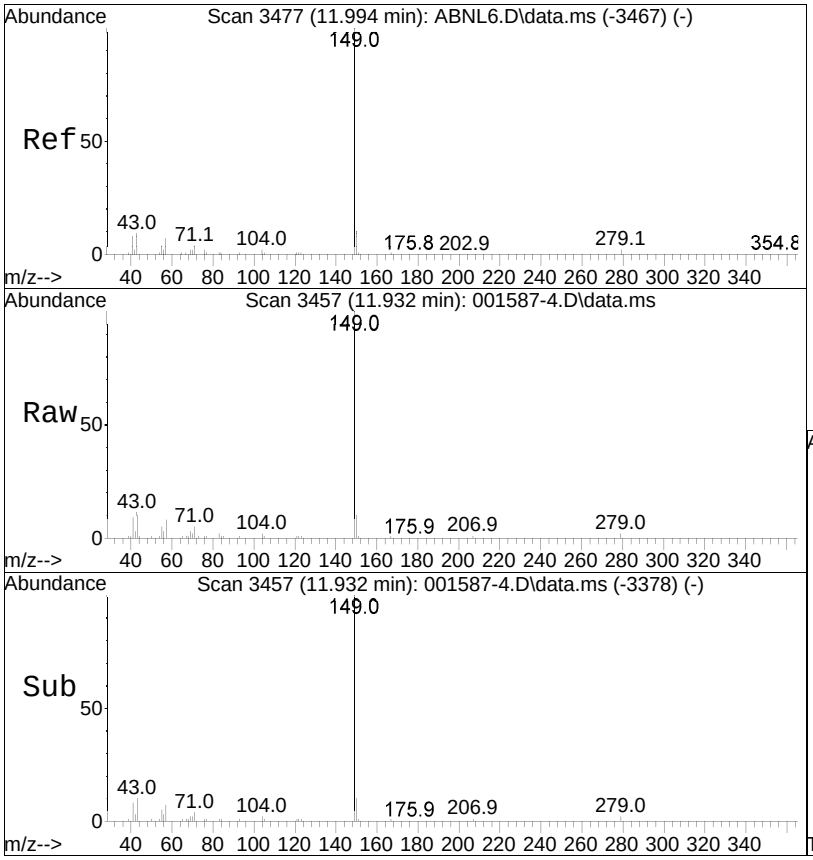


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.56 ug/ml
RT: 11.276 min Scan# 3246
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:149 Resp: 51700

Ion	Ratio	Lower	Upper
149	100		
167	21.0	22.1	33.1#
279	1.5	3.0	4.4#

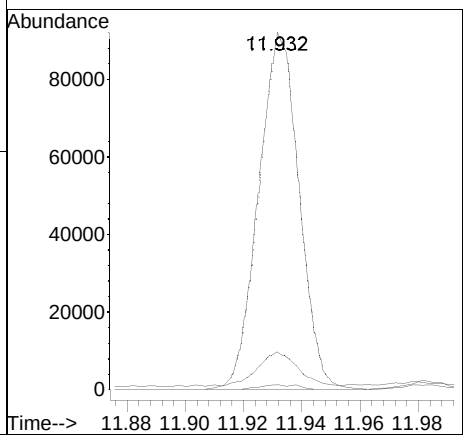




#111
Di-n-octylphthalate
Concen: 1.59 ug/ml
RT: 11.932 min Scan# 3457
Delta R.T. -0.003 min
Lab File: 001587-4.D
Acq: 26 Nov 2024 1:00 am

Tgt Ion:149 Resp: 87778

Ion	Ratio	Lower	Upper
149	100		
43	9.9	18.8	28.2#
167	1.1	1.3	1.9#



Manual Integration Report

Data Path	: I:\8270\Dakota\241125NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 001587-4.D	Operator	: Dakota:smz
Date Inj'd	: 11/26/2024 1:00 am	Instrument	: Dakota
Sample	: WG2001587-4,32,,ASK	Quant Date	: 11/26/2024 1:18 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241124RVT\
Data File : 001353-5.D
Acq On : 24 Nov 2024 04:58 pm
Operator : SV112:smz
Sample : WG2001353-5,32,,cmm
Misc : wg2001737,WG2001353,ical21241
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 14:00:01 2024
Quant Method : I:\8270\SV112\241124RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 15:06:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241124RVT\ABN1124a.D
: 2 - I:\8270\SV112\241124RVT\ADP1124.D
: 3 - I:\8270\SV112\241124RVT\AP91124.D
Sub List : PAHs+Carb+Dibenzof+bis - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.740	152	19431	4.000	ug/ml	0.00
Standard Area 1 = 18083			Recovery = 107.45%			
35) IS1_Naphthalene-d8	5.969	136	71717	4.000	ug/ml	# 0.00
Standard Area 1 = 70788			Recovery = 101.31%			
63) IS1_Acenaphthene-d10	7.675	164	50225	4.000	ug/ml	0.00
Standard Area 1 = 49737			Recovery = 100.98%			
88) IS1_Phenanthrene-d10	9.098	188	110494	4.000	ug/ml	# 0.00
Standard Area 1 = 112153			Recovery = 98.52%			
104) IS1_Chrysene-d12	11.734	240	134774	4.000	ug/ml	# 0.00
Standard Area 1 = 134907			Recovery = 99.90%			
113) IS1_Perylene-d12	13.192	264	150876	4.000	ug/ml	0.00
Standard Area 1 = 149004			Recovery = 101.26%			
System Monitoring Compounds						
19) Nitrobenzene-d5	5.281	82	4612	0.734	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.40%			
46) 2-Fluorobiphenyl	7.040	172	14691	0.906	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 90.60%			
96) 4-Terphenyl-d14	10.675	244	29994	1.055	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 105.50%			
Target Compounds						Qvalue
36) Naphthalene	5.993	128	79793	4.244	ug/ml#	95
41) 2-Methylnaphthalene	6.669	142	61935	4.844	ug/ml	98
42) 1-Methylnaphthalene	6.763	115	18967	4.313	ug/ml	98
47) 2-Chloronaphthalene	7.134	162	25344	1.864	ug/ml	93
52) Acenaphthylene	7.534	152	36917	1.839	ug/ml	98
65) Acenaphthene	7.704	154	23212	1.658	ug/ml	94
67) Dibenzofuran	7.869	168	39930	1.731	ug/ml	93
73) Fluorene	8.204	166	32566	1.813	ug/ml	97
89) Phenanthrene	9.122	178	57444	1.965	ug/ml	98
90) Anthracene	9.169	178	55170	1.929	ug/ml	99
91) Carbazole	9.340	167	54750	2.091	ug/ml	99
93) Fluoranthene	10.275	202	72157	2.128	ug/ml#	92
95) Pyrene	10.492	202	79515	2.212	ug/ml	98
105) Benzo(a)anthracene	11.722	228	81789	1.890	ug/ml	99
107) Chrysene	11.757	228	77323	1.823	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241124RVT\
Data File : 001353-5.D
Acq On : 24 Nov 2024 04:58 pm
Operator : SV112:smz
Sample : WG2001353-5,32,,cmm
Misc : wg2001737,WG2001353,ical21241
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 14:00:01 2024
Quant Method : I:\8270\SV112\241124RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 15:06:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241124RVT\ABN1124a.D
: 2 - I:\8270\SV112\241124RVT\ADP1124.D
: 3 - I:\8270\SV112\241124RVT\AP91124.D
Sub List : PAHs+Carb+Dibenzof+bis - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108)	Bis(2-ethylhexyl)phtha...	11.834	149	50480	2.346	ug/ml#	96
110)	Benzo(b)fluoranthene	12.822	252	86121	1.940	ug/ml#	93
111)	Benzo(k)fluoranthene	12.851	252	74387M3	1.836	ug/ml	
112)	Benzo(a)pyrene	13.139	252	74962M3	1.936	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	14.175	276	82279M6	1.950	ug/mL	
115)	Dibenzo(a,h)anthracene	14.198	278	73919	1.835	ug/ml#	92
116)	Benzo(ghi)perylene	14.428	276	72379	1.780	ug/ml#	91

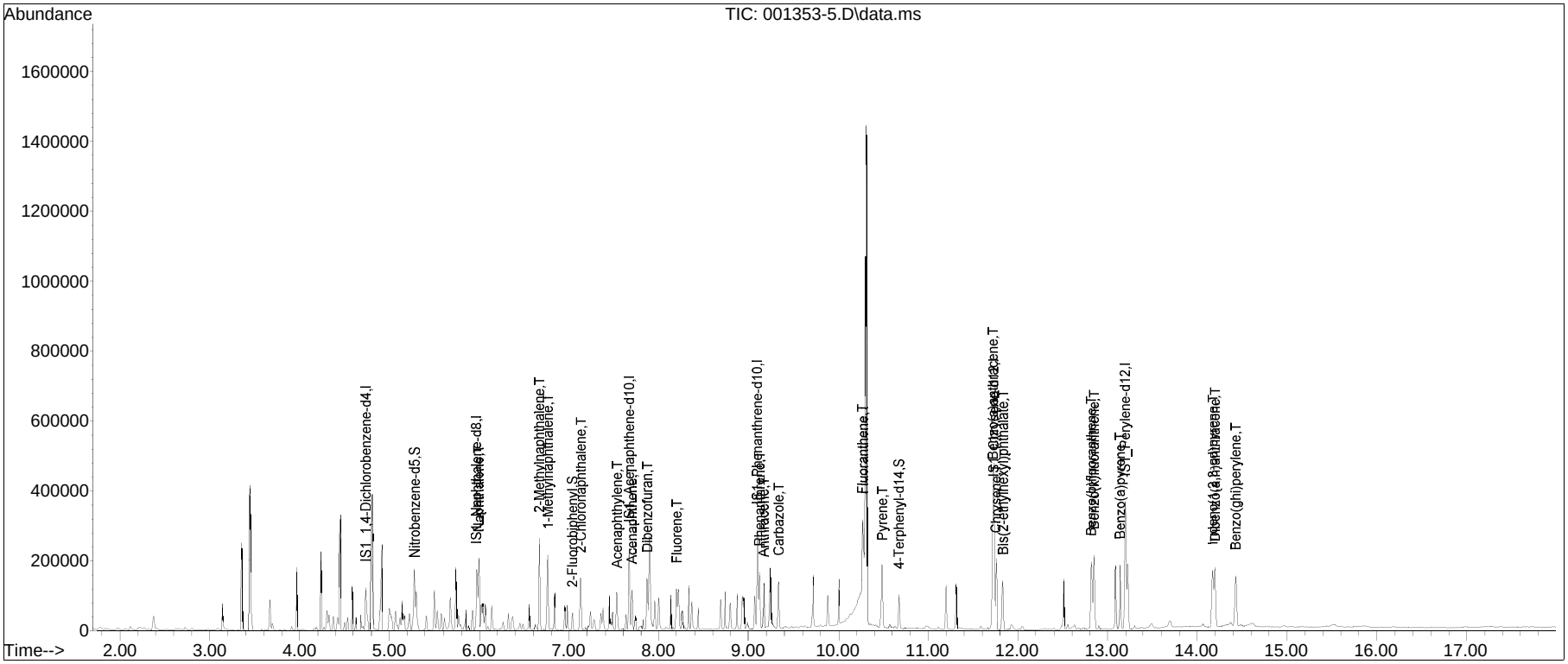
(#) = qualifier out of range (m) = manual integration (+) = signals summed

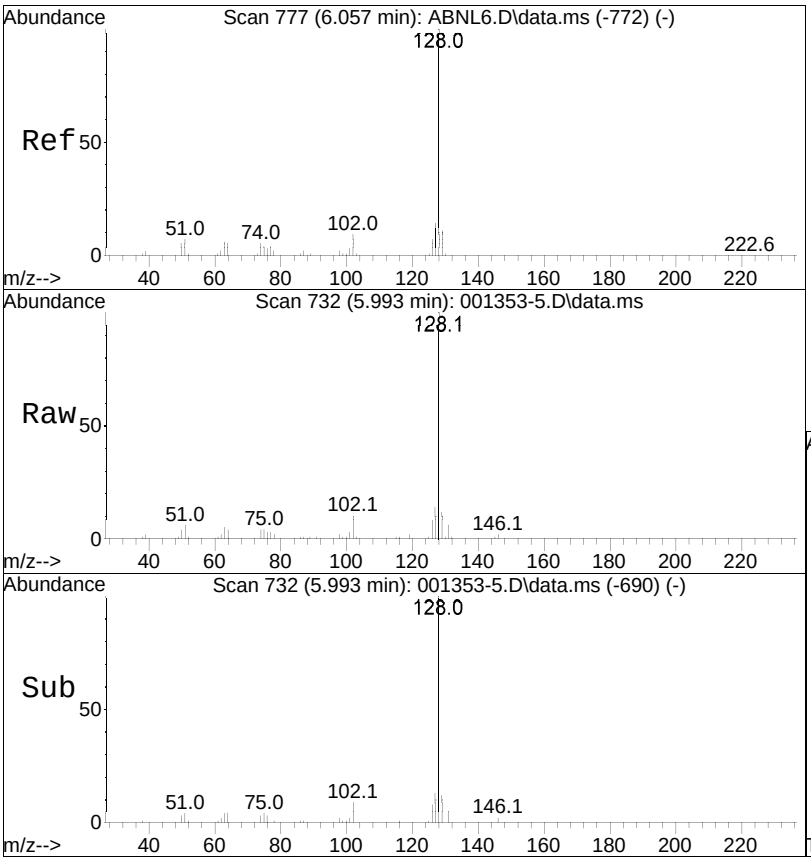
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241124RVT\
Data File : 001353-5.D
Acq On : 24 Nov 2024 04:58 pm
Operator : SV112:smz
Sample : WG2001353-5,32,,cmm
Misc : wg2001737,WG2001353,ical21241
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 25 14:00:01 2024
Quant Method : I:\8270\SV112\241124RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 15:06:41 2024
Response via : Initial Calibration

Sub List : PAHs+Carb+Dibenzof+bis - TCL/CT/MA4.D••

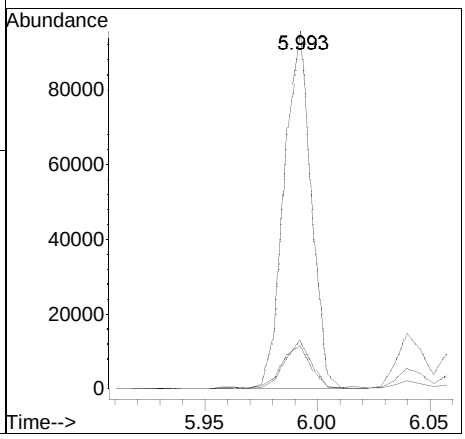


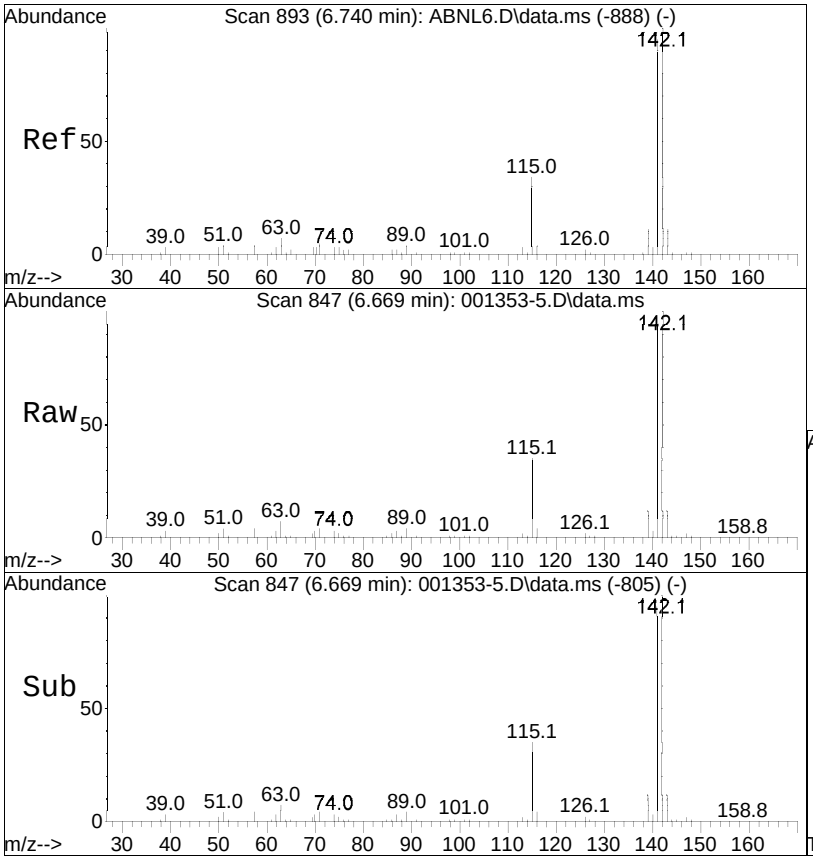


#36
Naphthalene
Concen: 4.24 ug/ml
RT: 5.993 min Scan# 732
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:128 Resp: 79793

Ion	Ratio	Lower	Upper
128	100		
129	14.3	8.9	13.3#
127	13.8	10.6	15.8

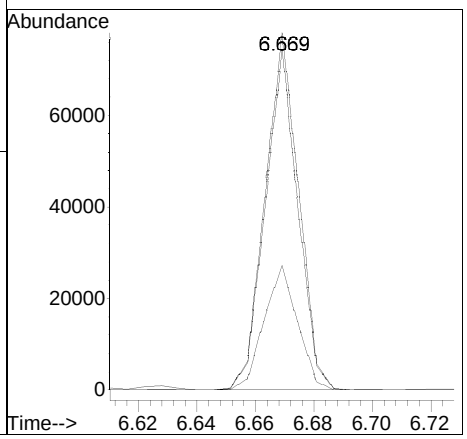


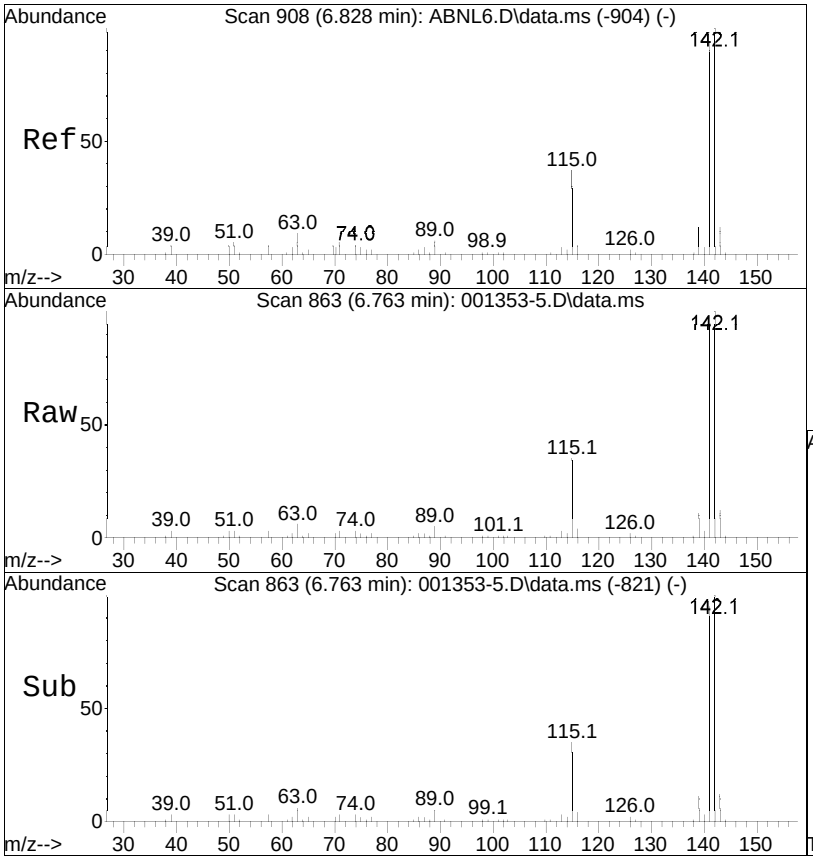


#41
2-Methylnaphthalene
Concen: 4.84 ug/ml
RT: 6.669 min Scan# 847
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:142 Resp: 61935

Ion	Ratio	Lower	Upper
142	100		
141	92.5	72.2	108.4
115	34.7	27.8	41.6

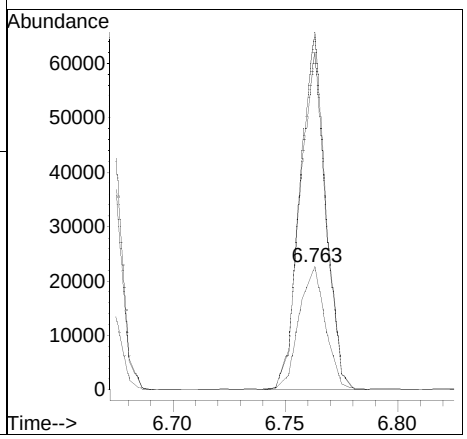


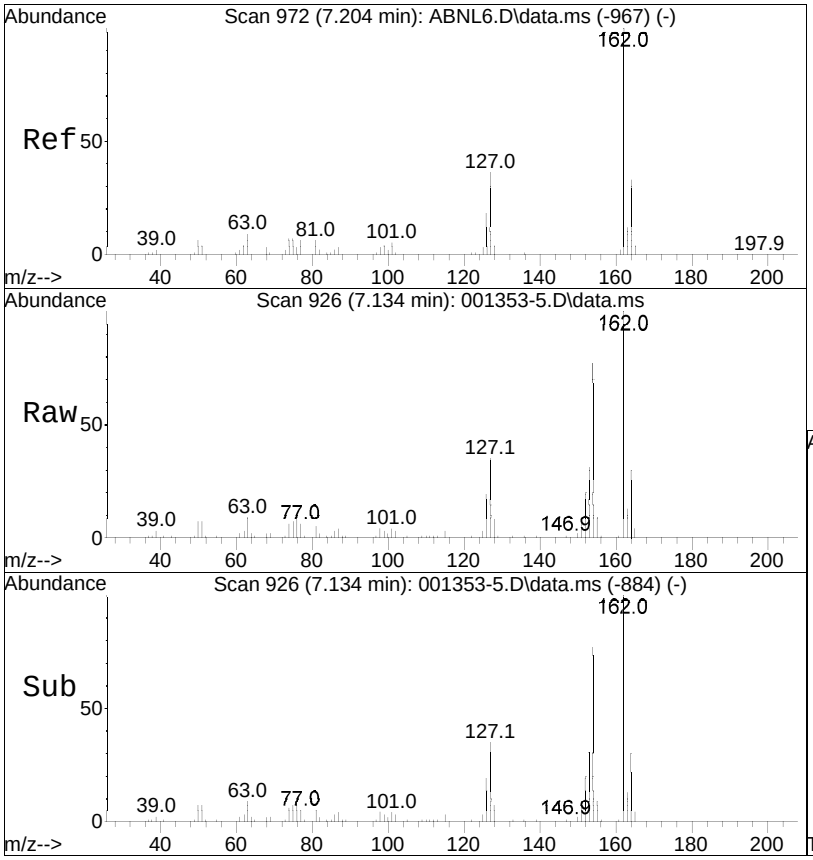


#42
1-Methylnaphthalene
Concen: 4.31 ug/ml
RT: 6.763 min Scan# 863
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:115 Resp: 18967

Ion	Ratio	Lower	Upper
115	100		
141	259.4	205.4	308.2
142	271.7	220.2	330.4

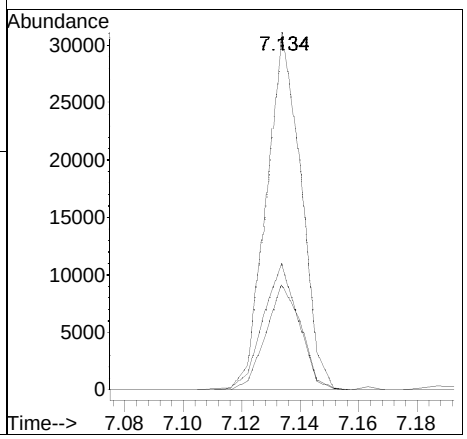


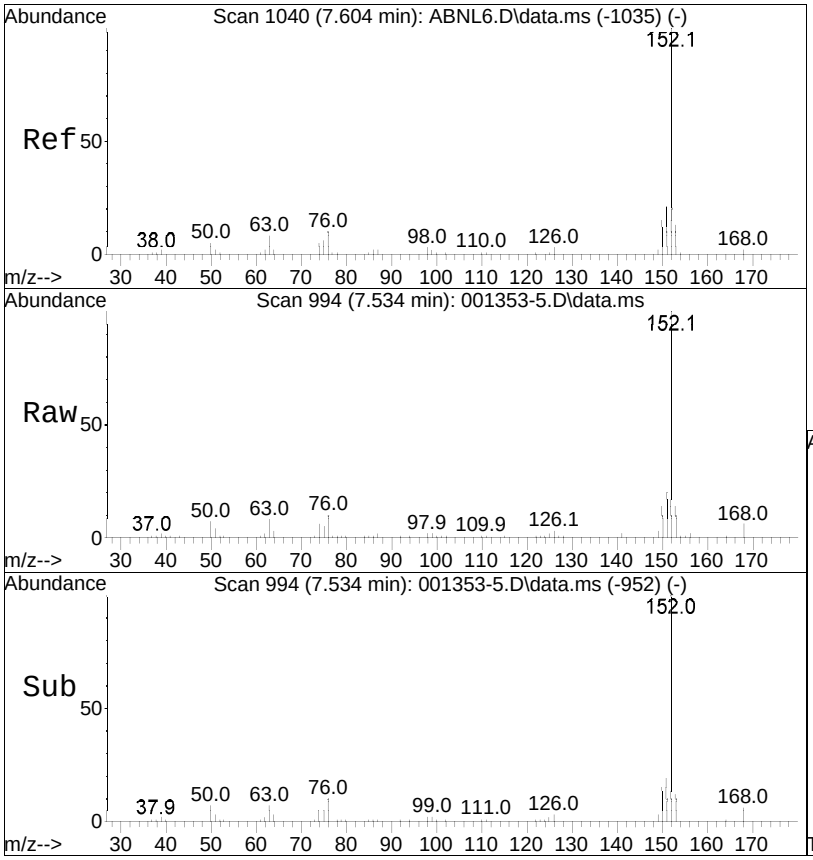


#47
2-Chloronaphthalene
Concen: 1.86 ug/ml
RT: 7.134 min Scan# 926
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:162 Resp: 25344

Ion	Ratio	Lower	Upper
162	100		
127	36.3	33.8	50.6
164	30.4	25.8	38.6

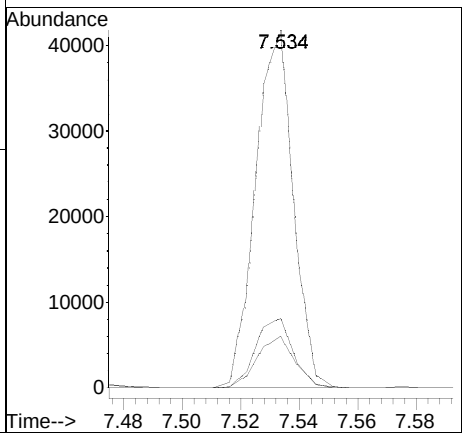


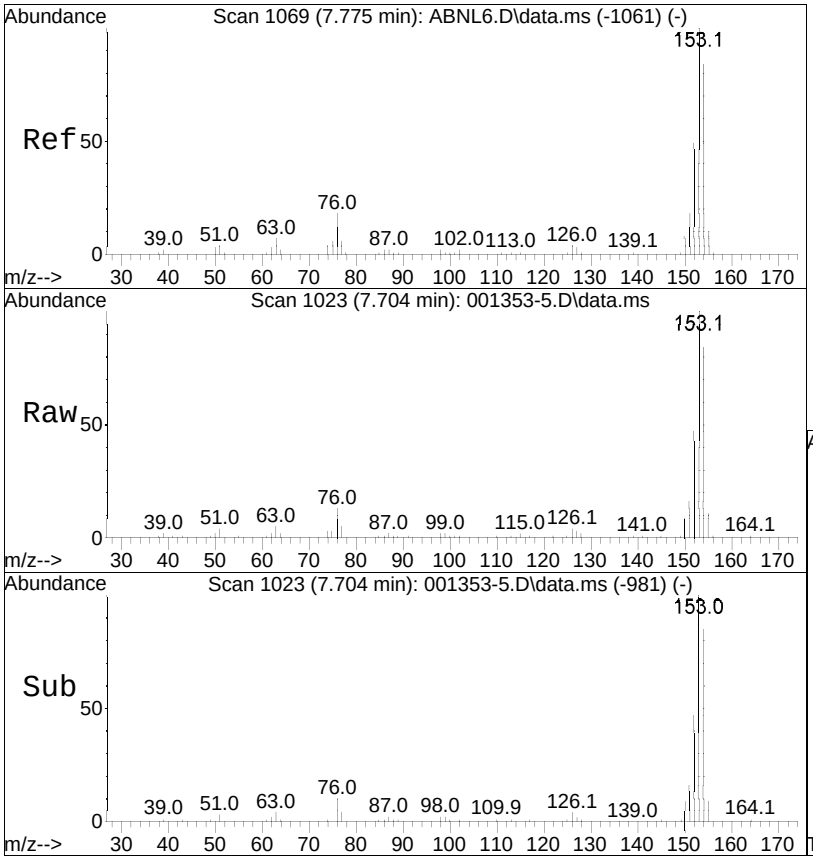


#52
Acenaphthylene
Concen: 1.84 ug/ml
RT: 7.534 min Scan# 994
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:152 Resp: 36917

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	14.5	10.5	15.7

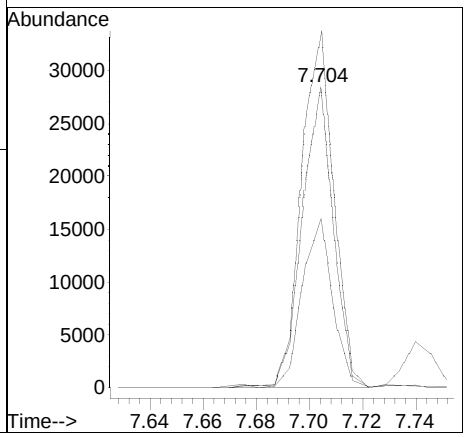


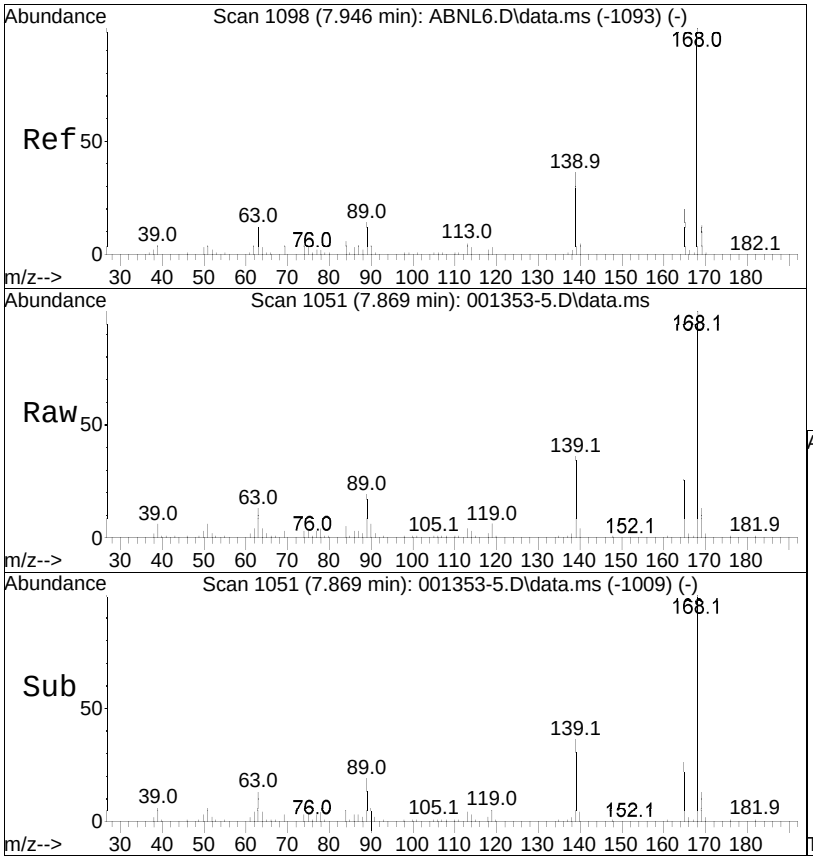


#65
Acenaphthene
Concen: 1.66 ug/ml
RT: 7.704 min Scan# 1023
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:154 Resp: 23212

Ion	Ratio	Lower	Upper
154	100		
153	123.7	93.0	139.4
152	56.5	43.3	64.9

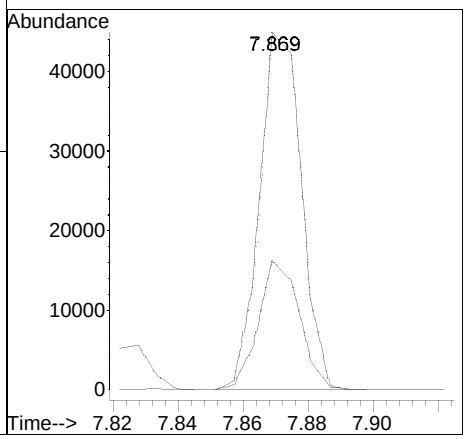


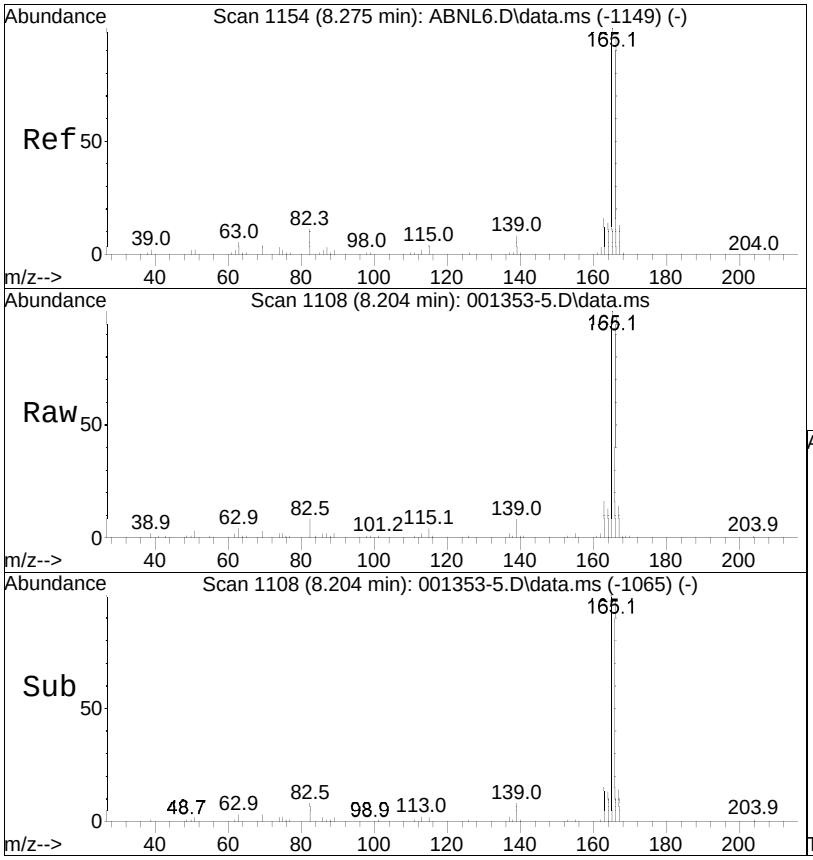


#67
Dibenzofuran
Concen: 1.73 ug/ml
RT: 7.869 min Scan# 1051
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:168 Resp: 39930

Ion	Ratio	Lower	Upper
168	100		
139	35.8	32.3	48.5

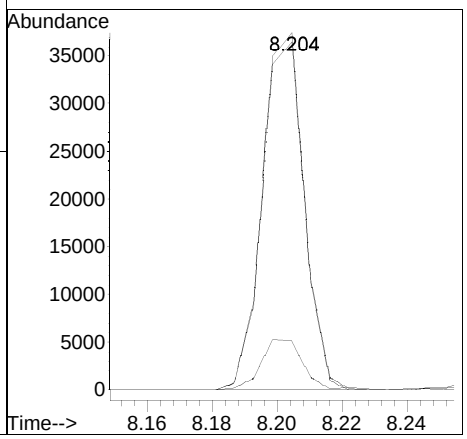


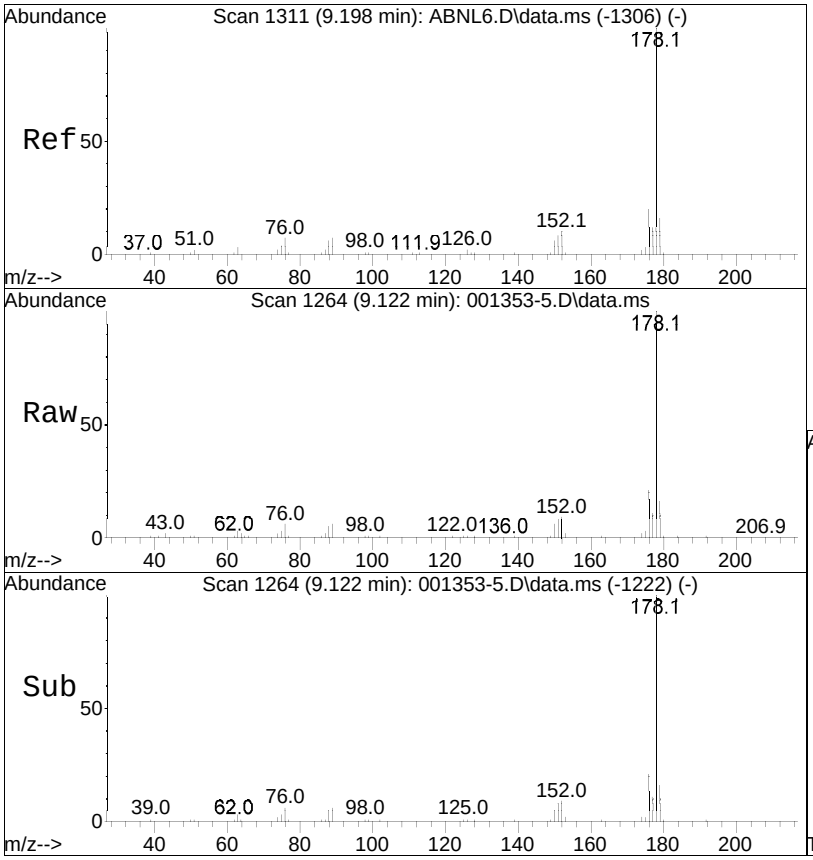


#73
Fluorene
Concen: 1.81 ug/ml
RT: 8.204 min Scan# 1108
Delta R.T. 0.006 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:166 Resp: 32566

Ion	Ratio	Lower	Upper
166	100		
165	103.1	80.0	120.0
167	14.6	10.7	16.1

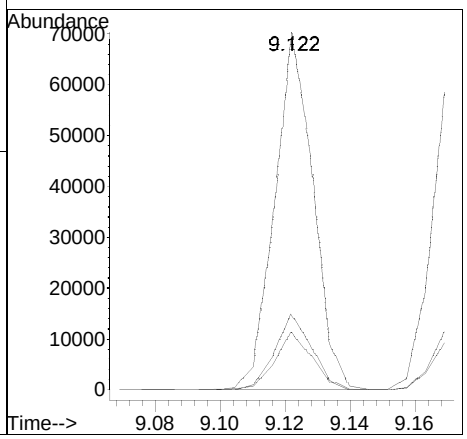


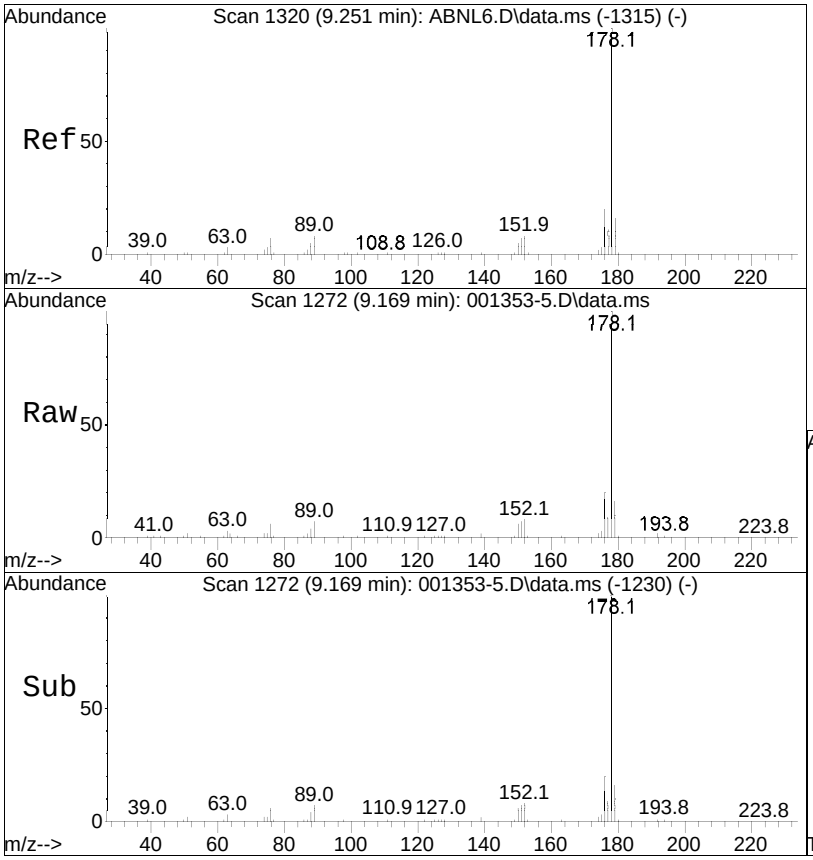


#89
Phenanthrene
Concen: 1.97 ug/ml
RT: 9.122 min Scan# 1264
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:178 Resp: 57444

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	20.4	15.4	23.2

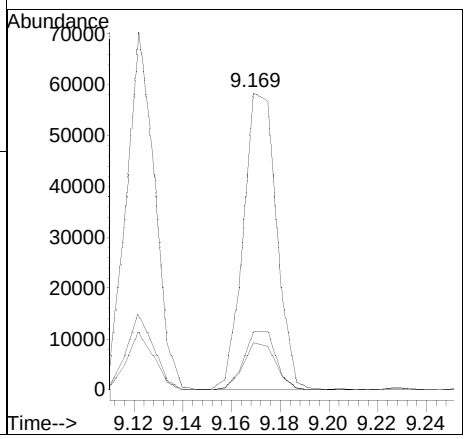


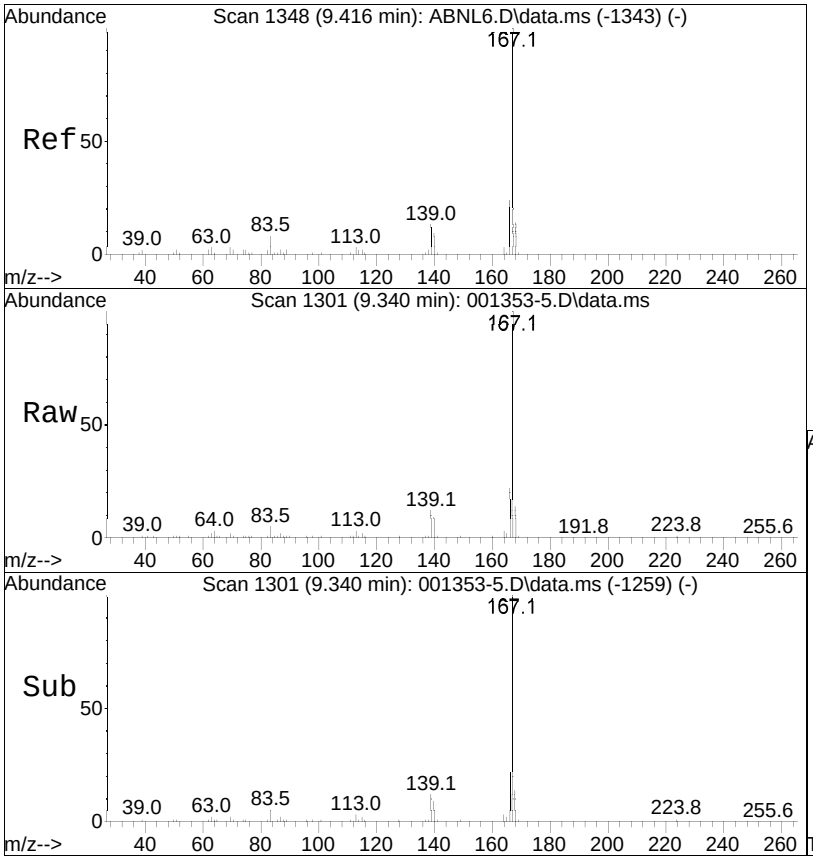


#90
Anthracene
Concen: 1.93 ug/ml
RT: 9.169 min Scan# 1272
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:178 Resp: 55170

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.2
176	19.3	15.1	22.7

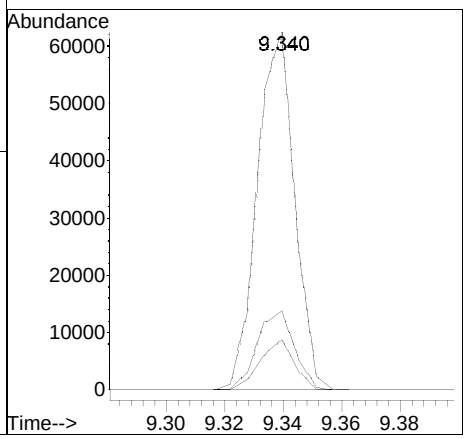


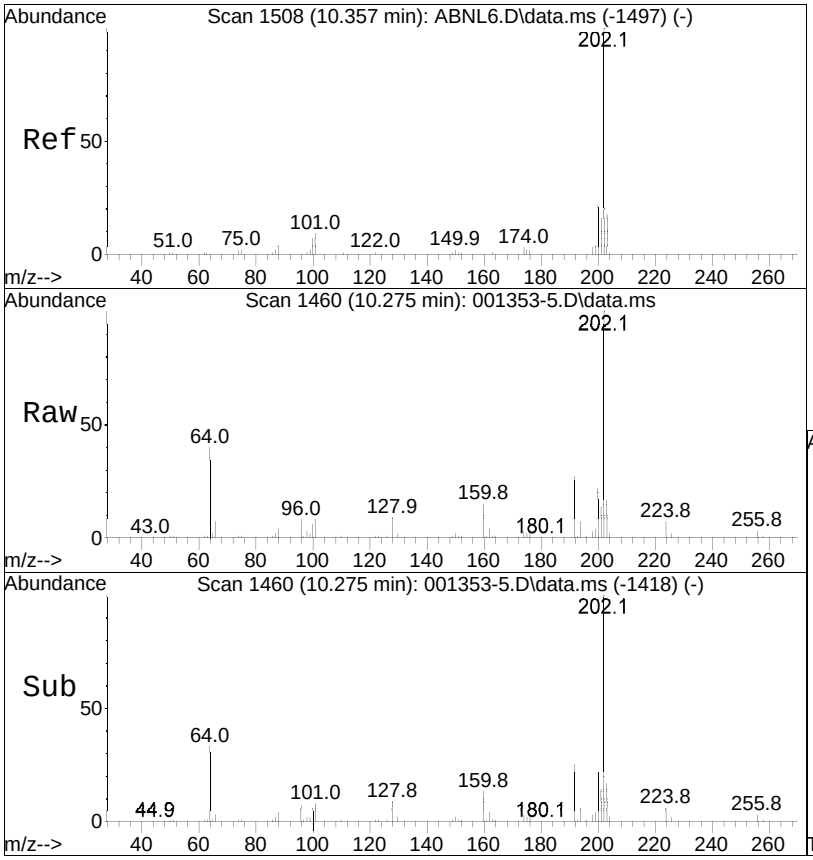


#91
Carbazole
Concen: 2.09 ug/ml
RT: 9.340 min Scan# 1301
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:167 Resp: 54750

Ion	Ratio	Lower	Upper
167	100		
168	13.1	10.8	16.2
166	22.3	17.7	26.5

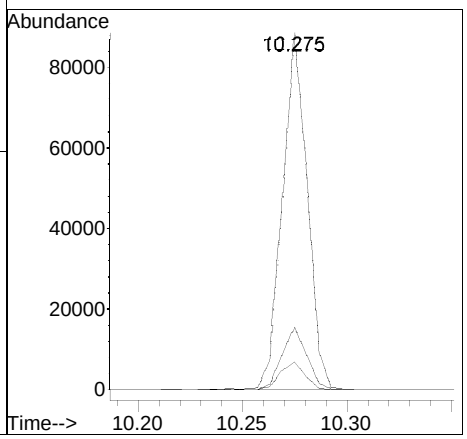


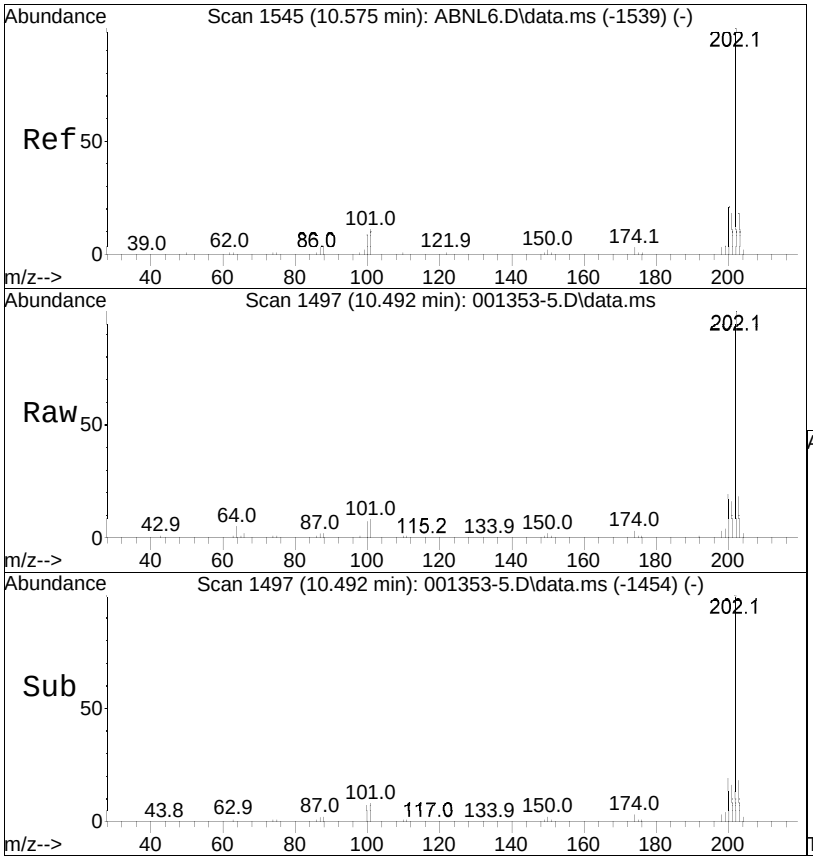


#93
Fluoranthene
Concen: 2.13 ug/ml
RT: 10.275 min Scan# 1460
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:202 Resp: 72157

Ion	Ratio	Lower	Upper
202	100		
101	7.8	11.2	16.8#
203	17.6	13.7	20.5

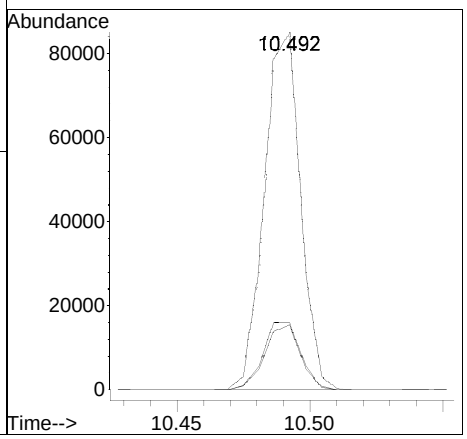


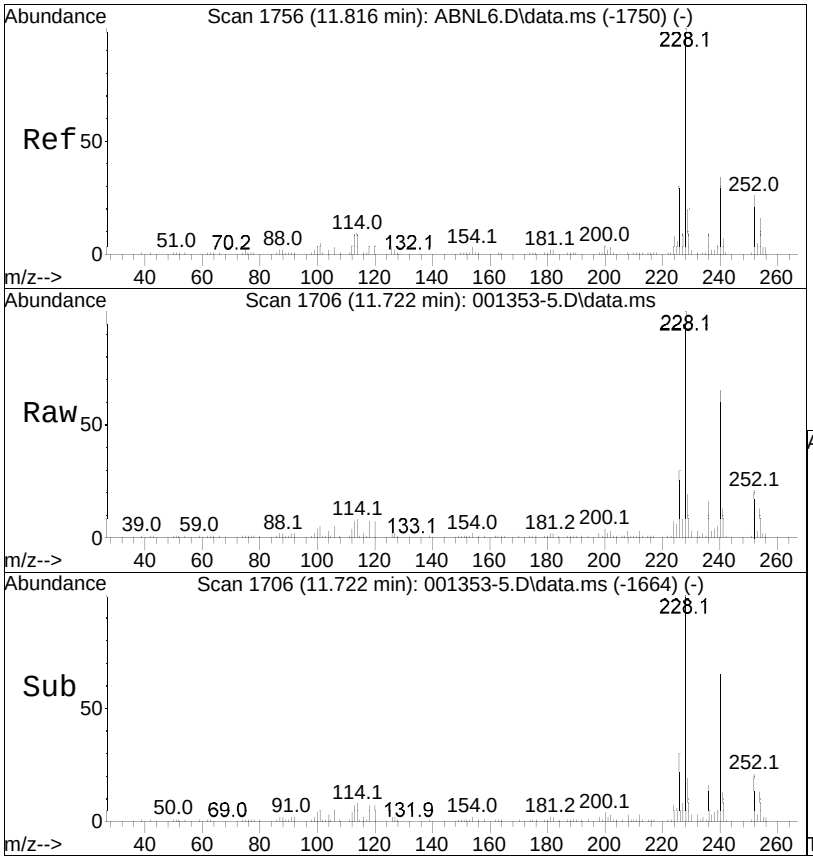


#95
Pyrene
Concen: 2.21 ug/ml
RT: 10.492 min Scan# 1497
Delta R.T. 0.006 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:202 Resp: 79515

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.9	25.3
203	18.1	14.3	21.5

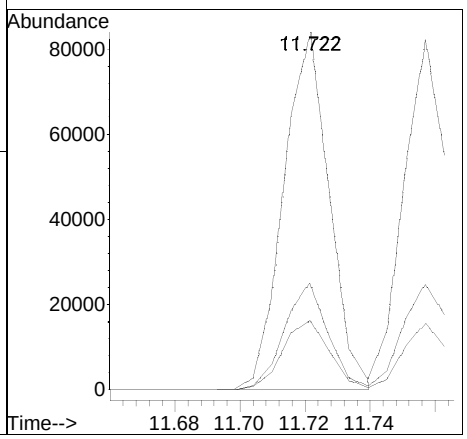


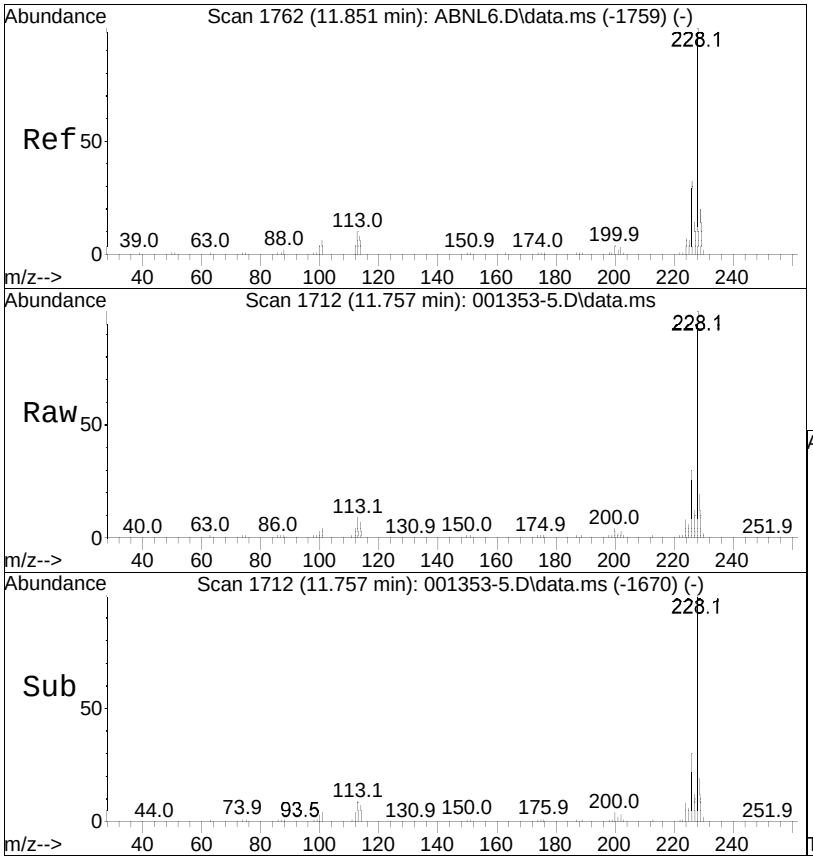


#105
Benzo(a)anthracene
Concen: 1.89 ug/ml
RT: 11.722 min Scan# 1706
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:228 Resp: 81789

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	34.0
229	20.0	15.8	23.6

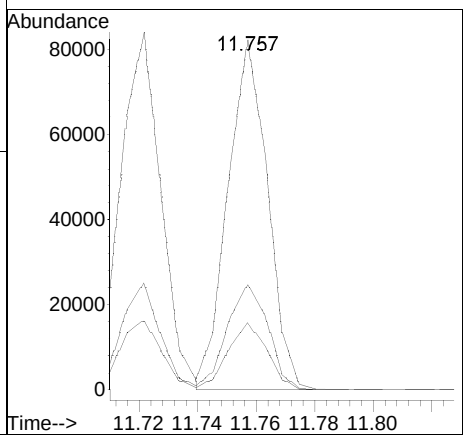


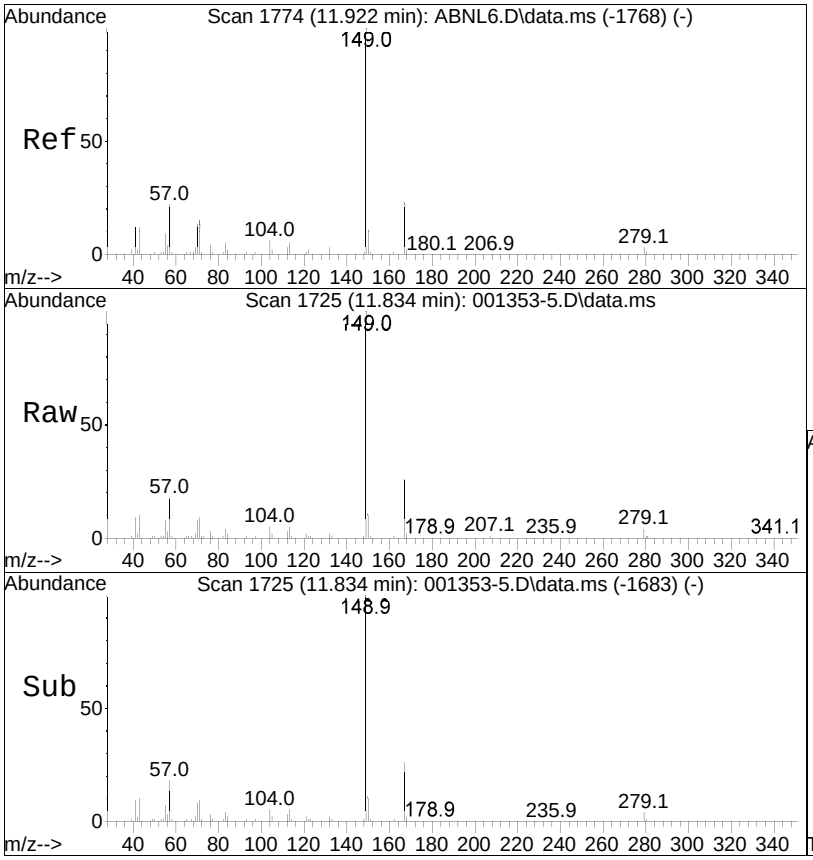


#107
Chrysene
Concen: 1.82 ug/ml
RT: 11.757 min Scan# 1712
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:228 Resp: 77323

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	18.9	15.5	23.3

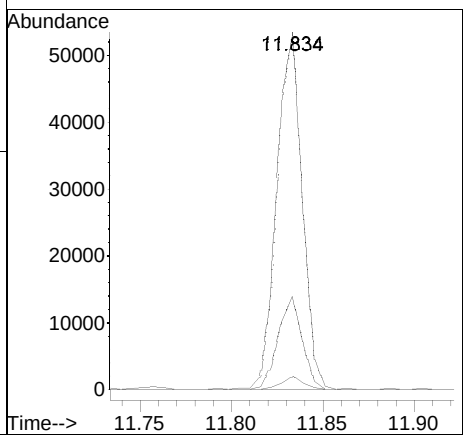


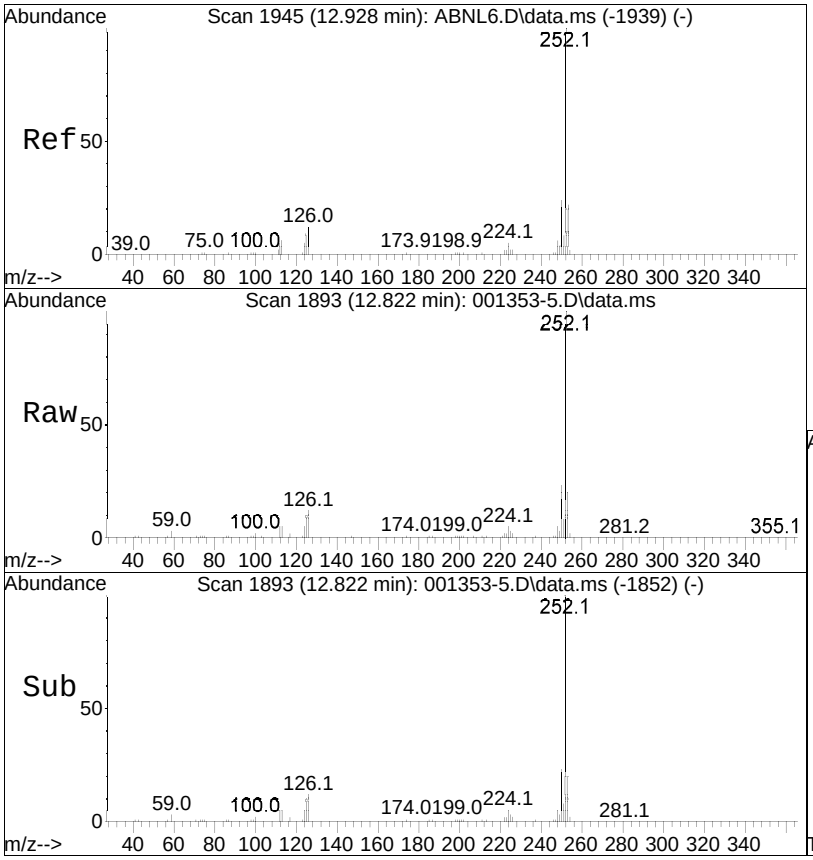


#108
Bis(2-ethylhexyl)phthalate
Concen: 2.35 ug/ml
RT: 11.834 min Scan# 1725
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:149 Resp: 50480

Ion	Ratio	Lower	Upper
149	100		
167	25.0	18.4	27.6
279	3.0	1.7	2.5#

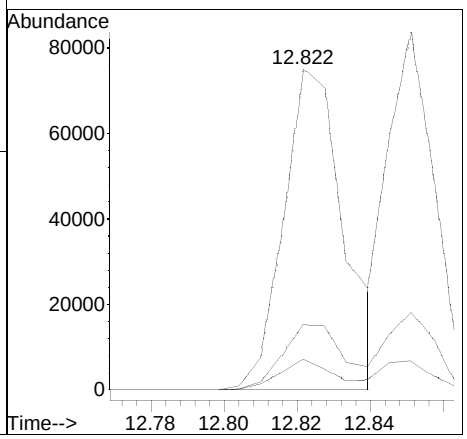


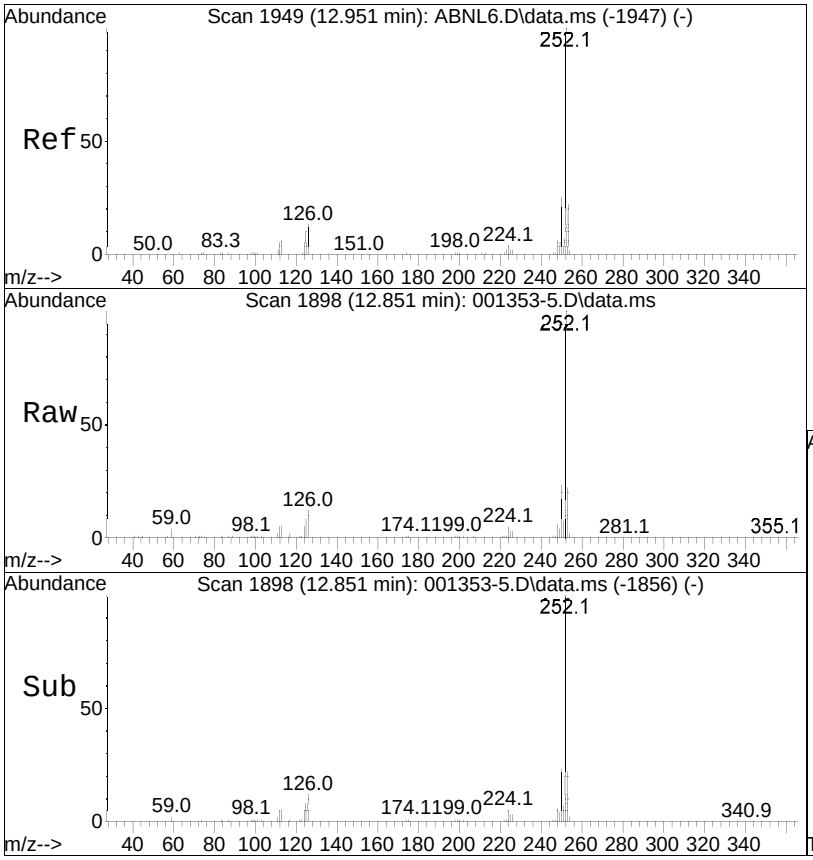


#110
Benzo(b)fluoranthene
Concen: 1.94 ug/ml
RT: 12.822 min Scan# 1893
Delta R.T. -0.006 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:252 Resp: 86121

Ion	Ratio	Lower	Upper
252	100		
125	8.2	11.3	16.9#
253	21.4	17.8	26.8

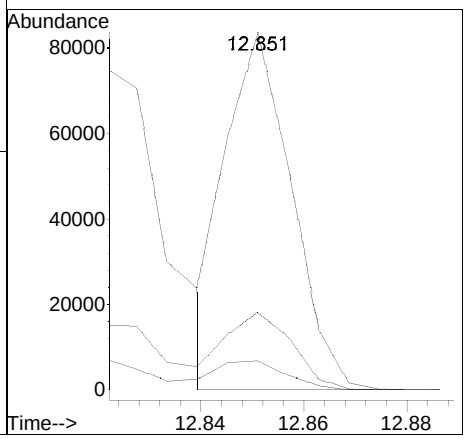


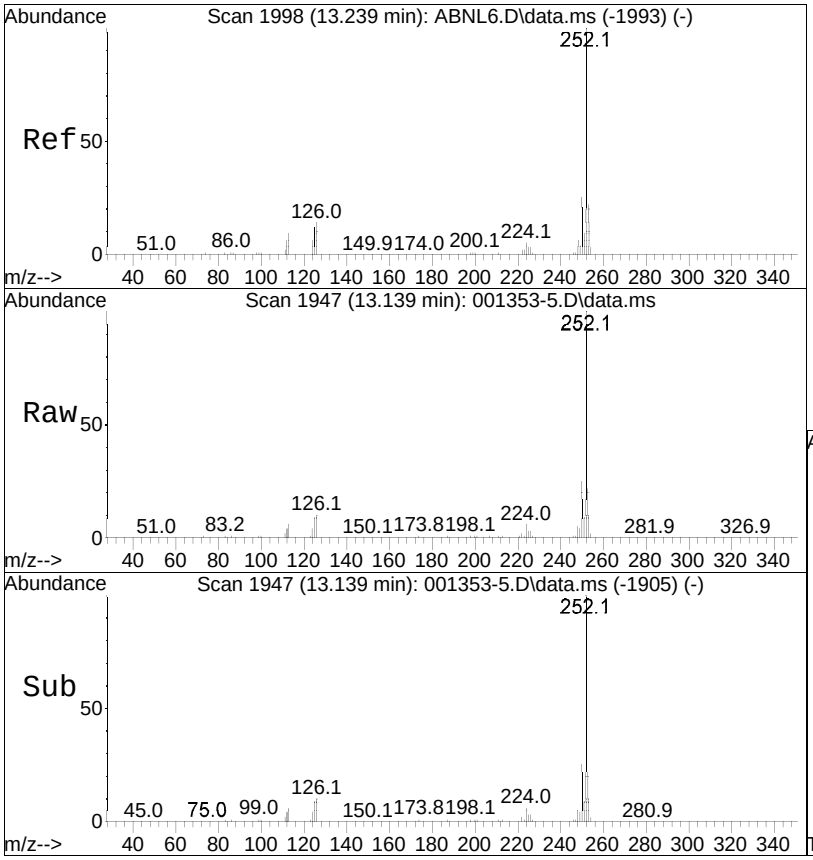


#111
Benzo(k)fluoranthene
Concen: 1.84 ug/ml M3
RT: 12.851 min Scan# 1898
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:252 Resp: 74387

Ion	Ratio	Lower	Upper
252	100		
125	9.5	11.5	17.3#
253	24.8	17.6	26.4

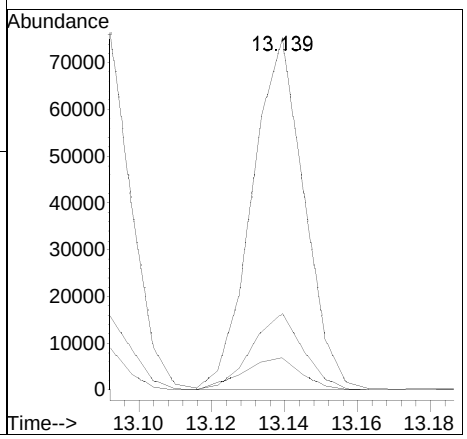


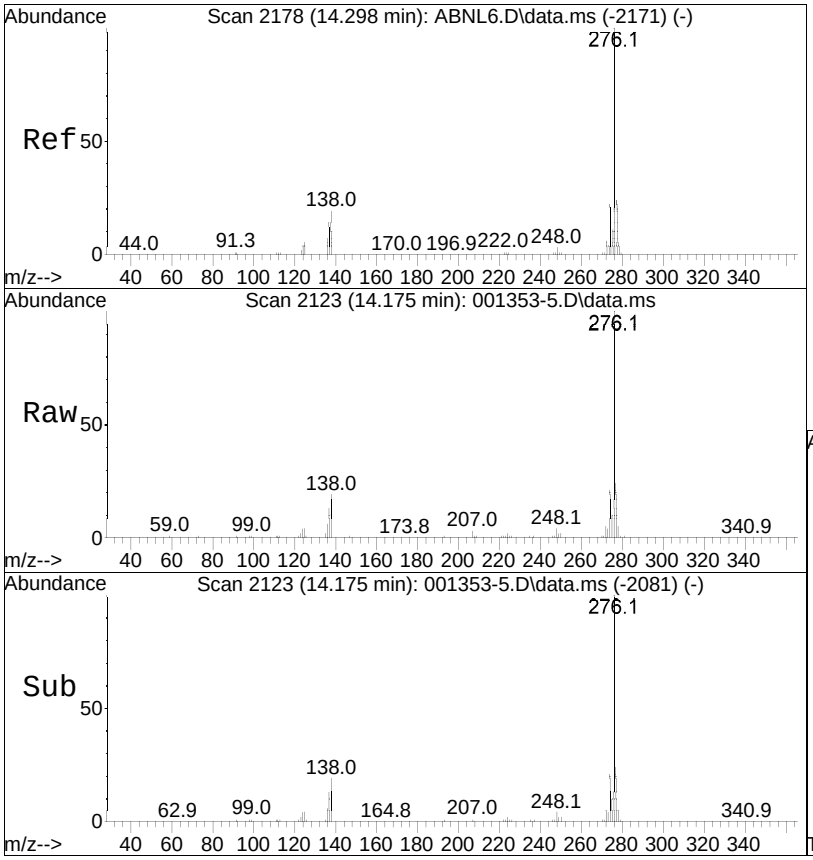


#112
Benzo(a)pyrene
Concen: 1.94 ug/ml M3
RT: 13.139 min Scan# 1947
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:252 Resp: 74962

Ion	Ratio	Lower	Upper
252	100		
125	14.2	12.6	18.8
253	23.1	17.5	26.3

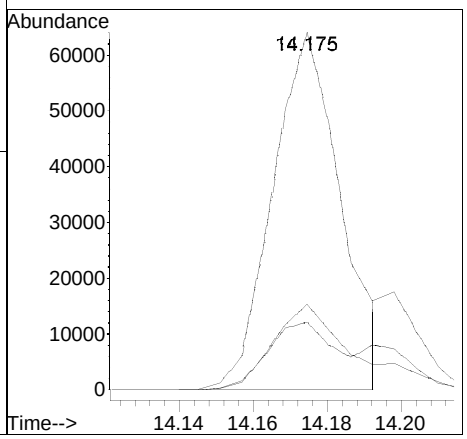


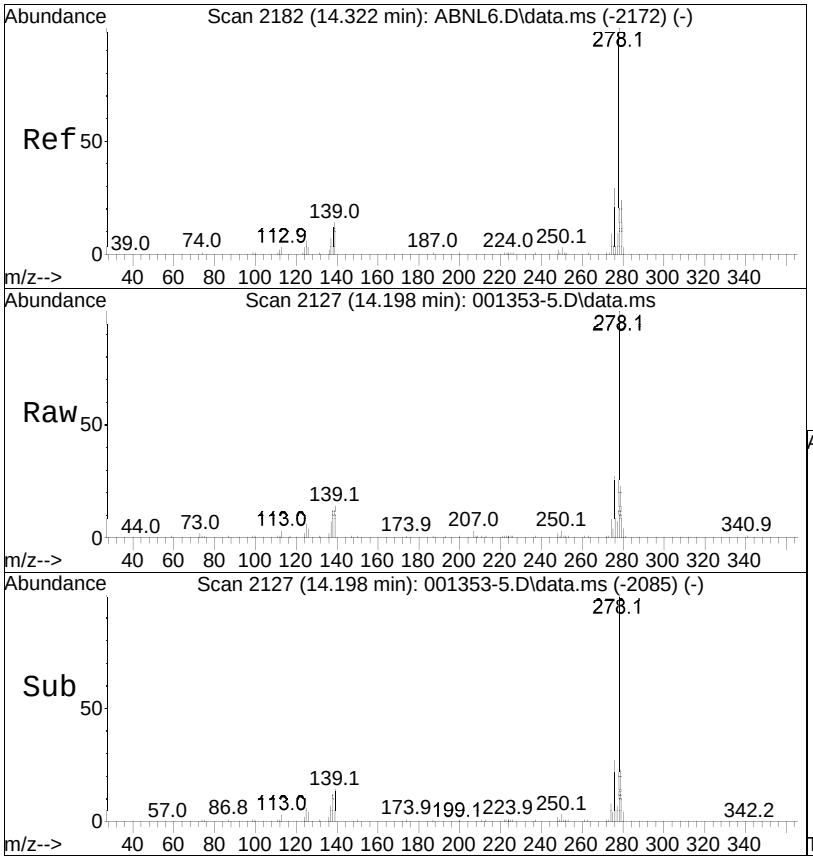


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.95 ug/mL M6
RT: 14.175 min Scan# 2123
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:276 Resp: 82279

Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.1	33.1
277	28.2	19.0	28.6

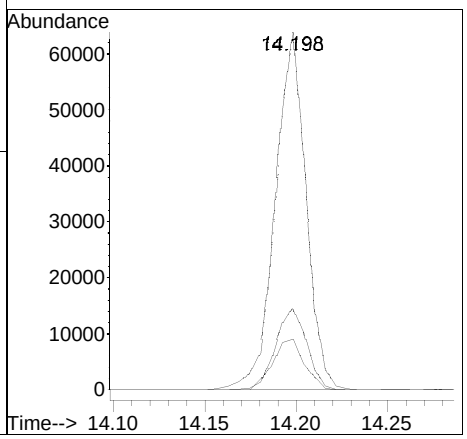


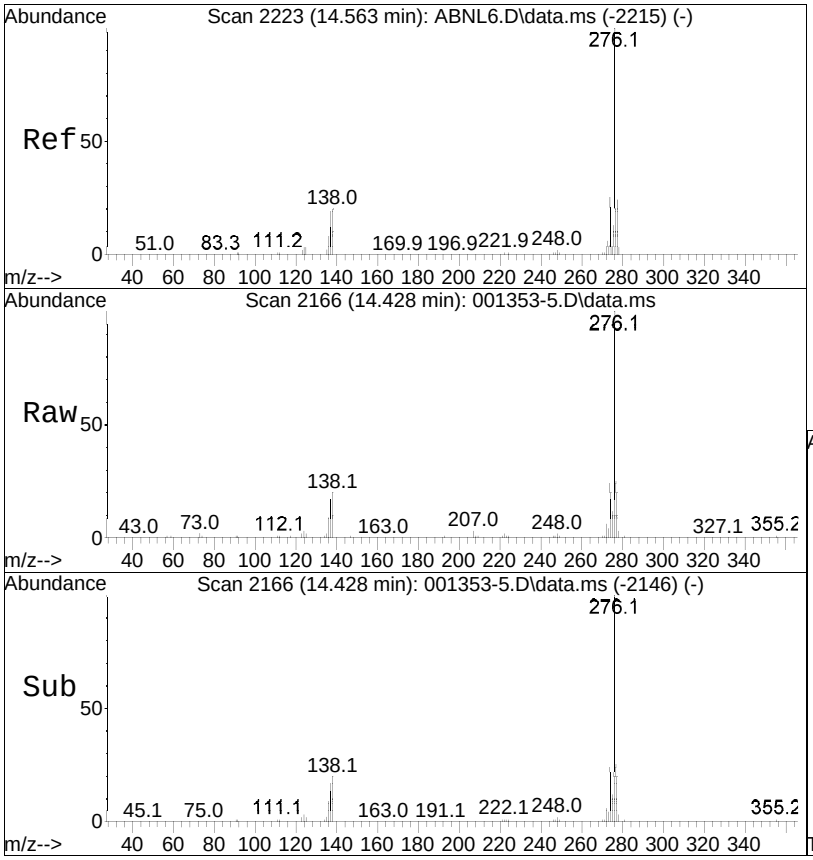


#115
Dibenzo(a,h)anthracene
Concen: 1.83 ug/ml
RT: 14.198 min Scan# 2127
Delta R.T. -0.000 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:278 Resp: 73919

Ion	Ratio	Lower	Upper
278	100		
139	14.8	17.8	26.8#
279	23.2	19.2	28.8

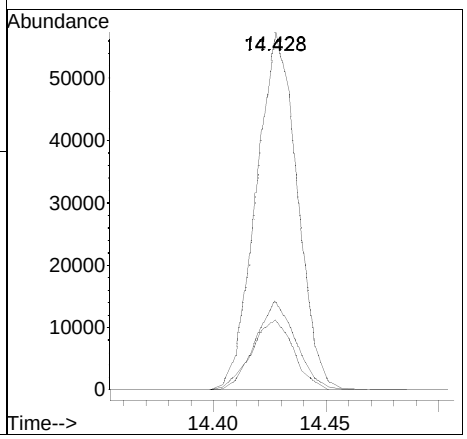




#116
Benzo(ghi)perylene
Concen: 1.78 ug/ml
RT: 14.428 min Scan# 2166
Delta R.T. -0.006 min
Lab File: 001353-5.D
Acq: 24 Nov 2024 04:58 pm

Tgt Ion:276 Resp: 72379

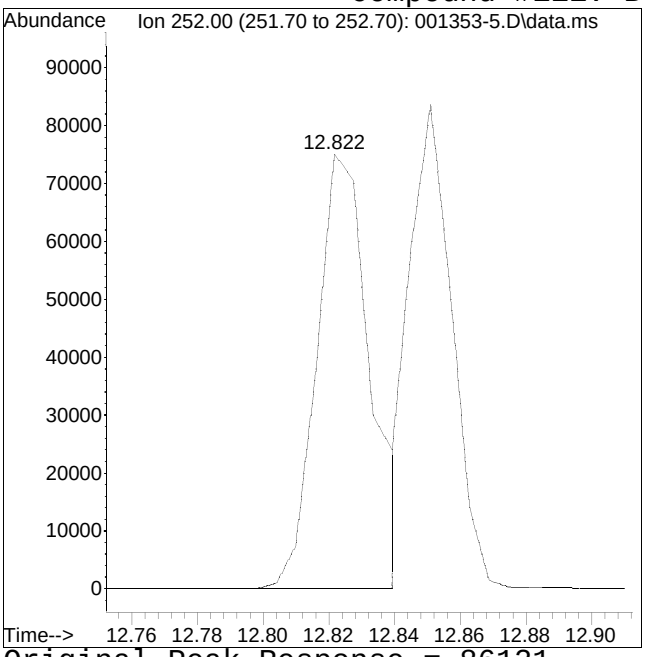
Ion	Ratio	Lower	Upper
276	100		
138	20.2	21.9	32.9#
277	24.6	18.4	27.6

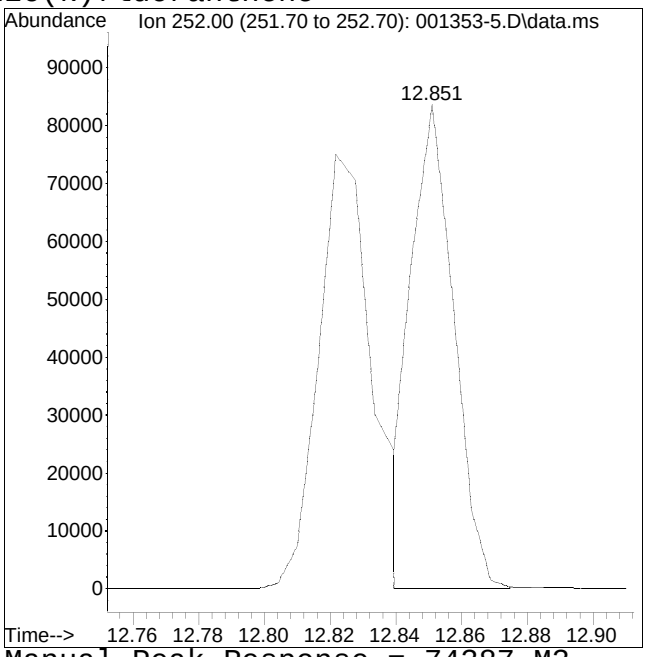


Manual Integration Report

Data Path	: I:\8270\SV112\241124RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 001353-5.D	Operator	: SV112:smz
Date Inj'd	: 11/24/2024 4:58 pm	Instrument	: SV112
Sample	: WG2001353-5,32,,cmm	Quant Date	: 11/24/2024 5:17 pm

Compound #111: Benzo(k)fluoranthene





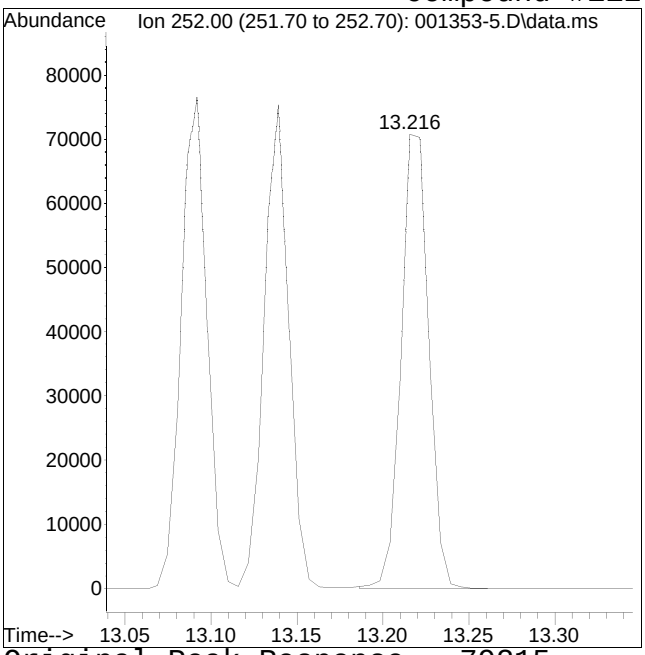
Original Peak Response = 86121 Manual Peak Response = 74387 M3

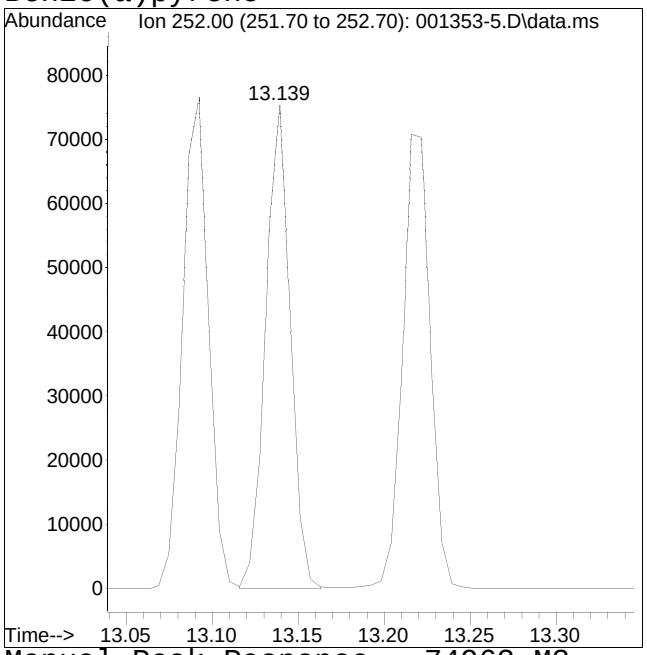
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241124RVT\ QMethod : FS240625SV112RVT.m
Data File : 001353-5.D Operator : SV112:smz
Date Inj'd : 11/24/2024 4:58 pm Instrument : SV112
Sample : WG2001353-5,32,,cmm Quant Date : 11/24/2024 5:17 pm

Compound #112: Benzo(a)pyrene





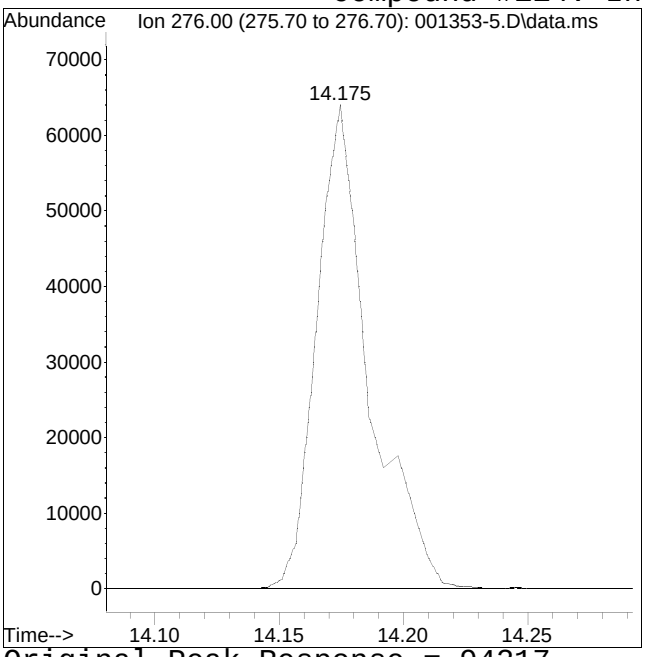
Original Peak Response = 79215 Manual Peak Response = 74962 M3

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.

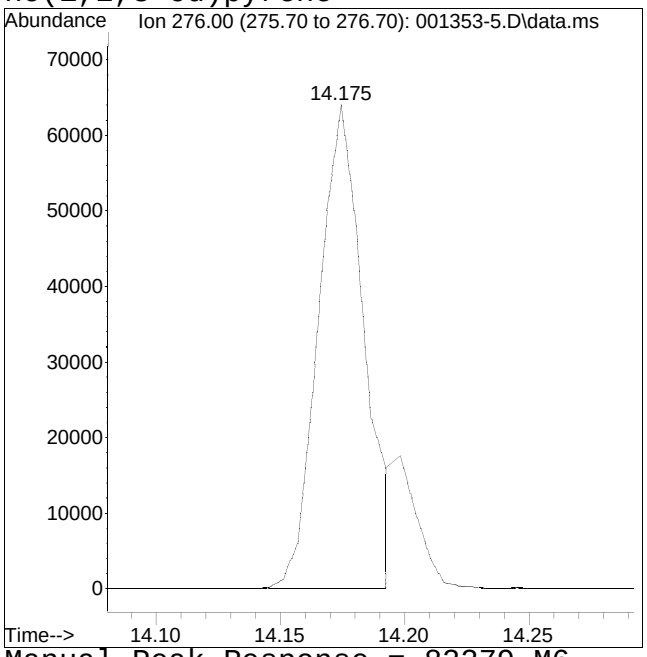
Manual Integration Report

Data Path : I:\8270\SV112\241124RVT\ QMethod : FS240625SV112RVT.m
Data File : 001353-5.D Operator : SV112:smz
Date Inj'd : 11/24/2024 4:58 pm Instrument : SV112
Sample : WG2001353-5,32,,cmm Quant Date : 11/24/2024 5:17 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 94217



Manual Peak Response = 82279 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-7.D
Acq On : 26 Nov 2024 12:15 am
Operator : Dakota:smz
Sample : WG2001587-7,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 26 10:08:39 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.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...	4.223	152	24380	4.000	ug/ml	0.00
Standard Area 1 = 40101			Recovery = 60.80%			
27) IS2_1,4-Dichlorobenzen...	4.223	152	24380	4.000	ug/ml	0.00
Standard Area 3 = 22985			Recovery = 106.07%			
37) IS1_Naphthalene-d8	5.460	136	97891	4.000	ug/ml	# 0.00
Standard Area 1 = 159893			Recovery = 61.22%			
57) IS2_Naphthalene-d8	5.460	136	97891	4.000	ug/ml	# 0.00
Standard Area 3 = 87939			Recovery = 111.32%			
65) IS1_Acenaphthene-d10	7.151	164	66255	4.000	ug/ml	0.00
Standard Area 1 = 106227			Recovery = 62.37%			
85) IS2_Acenaphthene-d10	7.151	164	66255	4.000	ug/ml	0.00
Standard Area 3 = 58300			Recovery = 113.64%			
88) IS3_Acenaphthene-d10	7.151	164	66255	4.000	ug/ml	0.00
Standard Area 2 = 54188			Recovery = 122.27%			
90) IS1_Phenanthrene-d10	8.565	188	146750	4.000	ug/ml	0.00
Standard Area 1 = 233287			Recovery = 62.91%			
102) IS3_Phenanthrene-d10	8.565	188	146750	4.000	ug/ml	0.00
Standard Area 2 = 126143			Recovery = 116.34%			
106) IS1_Chrysene-d12	11.127	240	171121	4.000	ug/ml	0.00
Standard Area 1 = 278188			Recovery = 61.51%			
115) IS1_Perylene-d12	12.544	264	208443	4.000	ug/ml	0.00
Standard Area 1 = 327345			Recovery = 63.68%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.930	112	5580	0.890	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.50%			
7) Phenol-d6	3.931	99	5050	0.629	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.45%			
19) Nitrobenzene-d5	4.777	82	5937	0.815	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.50%			
48) 2-Fluorobiphenyl	6.536	172	15898	0.656	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.60%			
81) 2,4,6-Tribromophenol	7.910	330	7036	1.486	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 74.30%			
98) 4-Terphenyl-d14	10.132	244	29127	0.686	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.60%			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-7.D
Acq On : 26 Nov 2024 12:15 am
Operator : Dakota:smz
Sample : WG2001587-7,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 26 10:08:39 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	4.021	128	9509	1.274	ug/ml	92
8) Phenol	3.941	94	5222	0.603	ug/ml	95
9) Bis(2-chloroethyl)ether	4.000	93	9002	1.452	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.537	45	16031	1.466	ug/ml#	69
15) 2-Methylphenol	4.534	108	7187	1.092	ug/ml	97
17) n-Nitrosodi-n-propylamine	4.668	70	7747	1.473	ug/ml#	85
18) 3-Methylphenol/4-Methy...	4.693	108	7774	1.079	ug/ml	96
20) Nitrobenzene	4.795	77	11612	1.559	ug/ml	93
21) Isophorone	5.041	82	19220	1.403	ug/ml	94
22) 2-Nitrophenol	5.109	139	5472	1.451	ug/ml#	87
23) 2,4-Dimethylphenol	5.202	107	5239	0.781	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.286	93	12551	1.471	ug/ml#	93
25) 2,4-Dichlorophenol	5.352	162	11026	1.408	ug/ml#	93
28) Benzaldehyde	3.785	105	8659	2.020	ug/ml	98
29) Acetophenone	4.640	105	15173	1.774	ug/ml#	80
40) 4-Chloroaniline	5.566	65	3424	1.157	ug/ml	83
42) p-Chloro-m-cresol	6.073	107	9235	1.302	ug/ml	91
45) Hexachlorocyclopentadiene	6.334	237	3556	0.534	ug/ml#	92
46) 2,4,6-Trichlorophenol	6.452	196	9562	1.363	ug/ml	97
47) 2,4,5-Trichlorophenol	6.483	196	11357	1.448	ug/ml	99
50) 2-Nitroaniline	6.741	138	8565	1.604	ug/ml#	79
53) Dimethyl phthalate	6.949	163	32631	1.346	ug/ml#	97
55) 2,6-Dinitrotoluene	6.987	165	6467	1.429	ug/ml#	78
62) Caprolactam	5.868	55	1629	0.542	ug/ml#	81
63) 1,2,4,5-Tetrachloroben...	6.331	216	14286	1.414	ug/ml#	96
64) Biphenyl	6.623	154	32080	1.557	ug/ml	96
66) 3-Nitroaniline	7.136	138	6859	1.341	ug/ml#	92
68) 2,4-Dinitrophenol	7.238	184	1092	0.350	ug/ml#	74
69) Dibenzofuran	7.350	168	42779	1.287	ug/ml	99
70) 2,4-Dinitrotoluene	7.369	165	8944	1.395	ug/ml#	84
71) 4-Nitrophenol	7.344	65	2787	0.731	ug/ml#	1
73) 2,3,4,6-Tetrachlorophenol	7.490	232	10214	1.441	ug/ml	98
74) Diethyl phthalate	7.633	149	32878	1.261	ug/ml	99
76) 4-Chlorophenyl phenyl ...	7.705	204	16160	1.232	ug/ml#	87
77) 4-Nitroaniline	7.717	138	8052	1.628	ug/ml#	80
78) 4,6-Dinitro-o-cresol	7.754	198	2839	0.732	ug/ml#	63

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-7.D
Acq On : 26 Nov 2024 12:15 am
Operator : Dakota:smz
Sample : WG2001587-7,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 26 10:08:39 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	NDPA/DPA	7.823	169	29014	1.311	ug/ml	91
82)	4-Bromophenyl phenyl e...	8.168	248	10959	1.269	ug/ml#	81
89)	Atrazine	8.367	200	9452	1.663	ug/ml	90
93)	Carbazole	8.811	167	57204	1.465	ug/ml	98
94)	Di-n-butylphthalate	9.218	149	61965	1.400	ug/ml#	98
99)	Butyl benzyl phthalate	10.651	149	30012	1.583	ug/ml	86
108)	3,3'-Dichlorobenzidine	11.133	252	36074	1.670	ug/ml#	98
110)	Bis(2-ethylhexyl)phtha...	11.276	149	51498	1.657	ug/ml#	88
111)	Di-n-octylphthalate	11.932	149	81309	1.569	ug/ml#	75

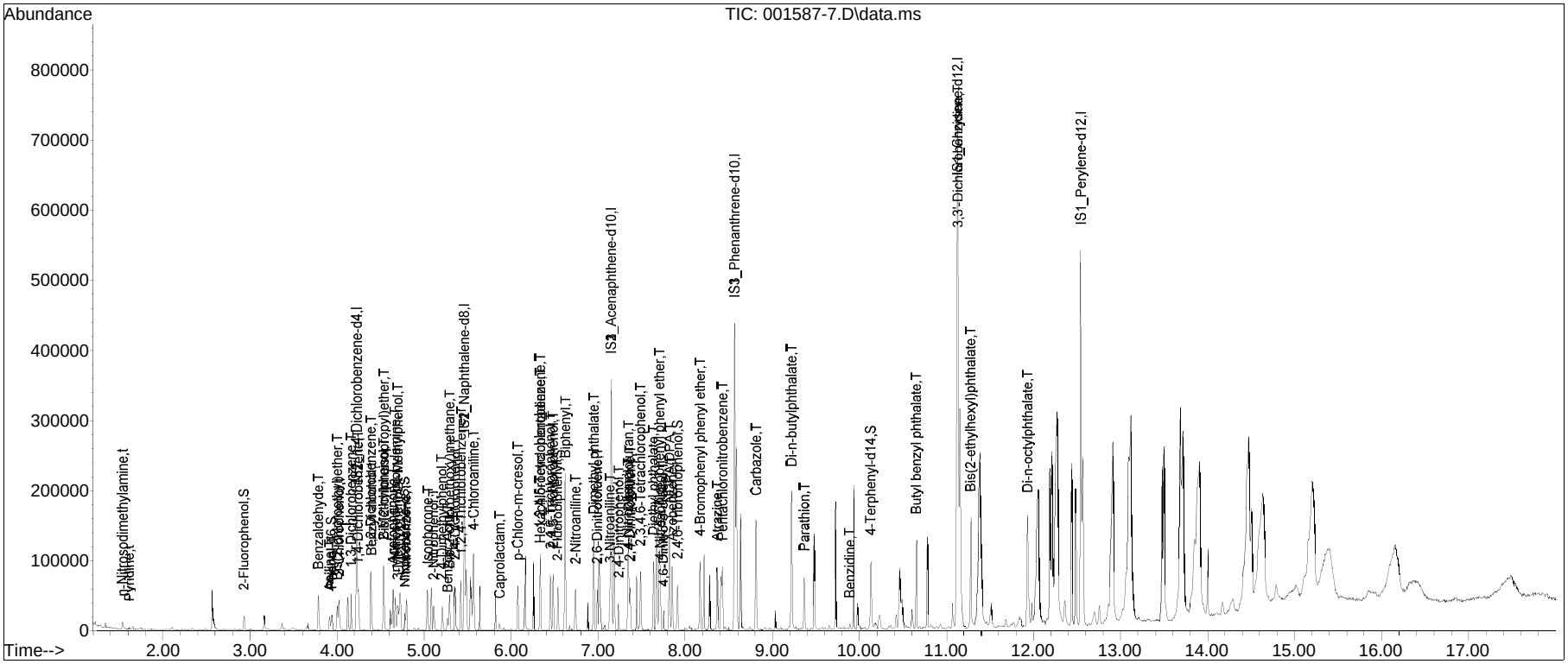
(#) = qualifier out of range (m) = manual integration (+) = signals summed

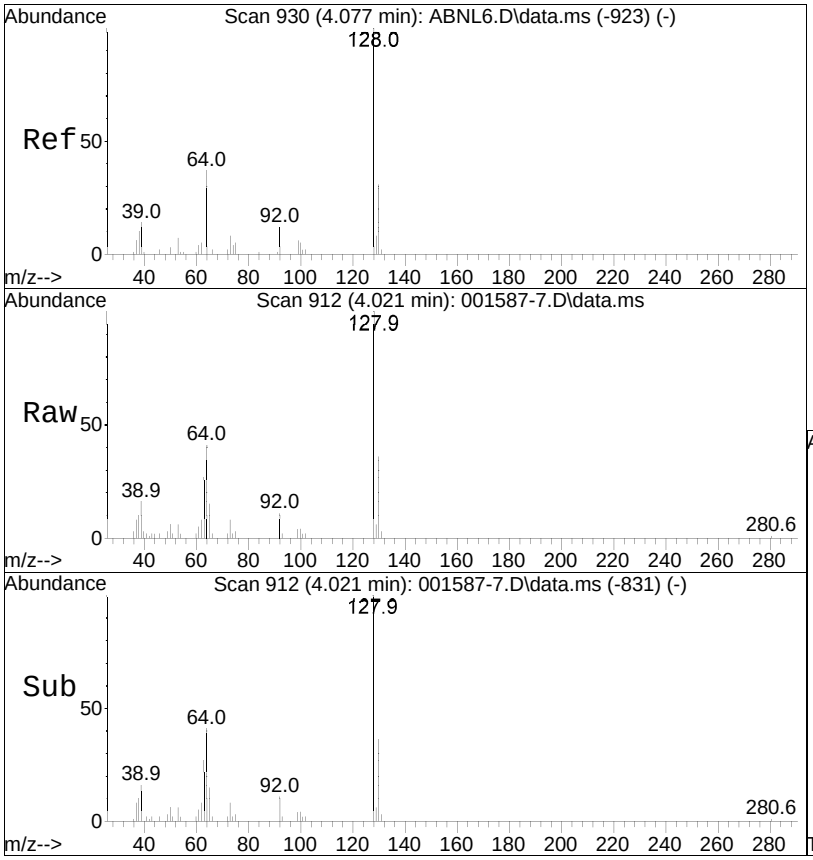
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-7.D
Acq On : 26 Nov 2024 12:15 am
Operator : Dakota:smz
Sample : WG2001587-7,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 26 10:08:39 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91125n.D•

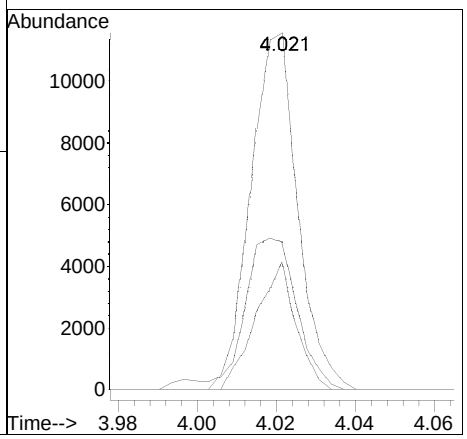


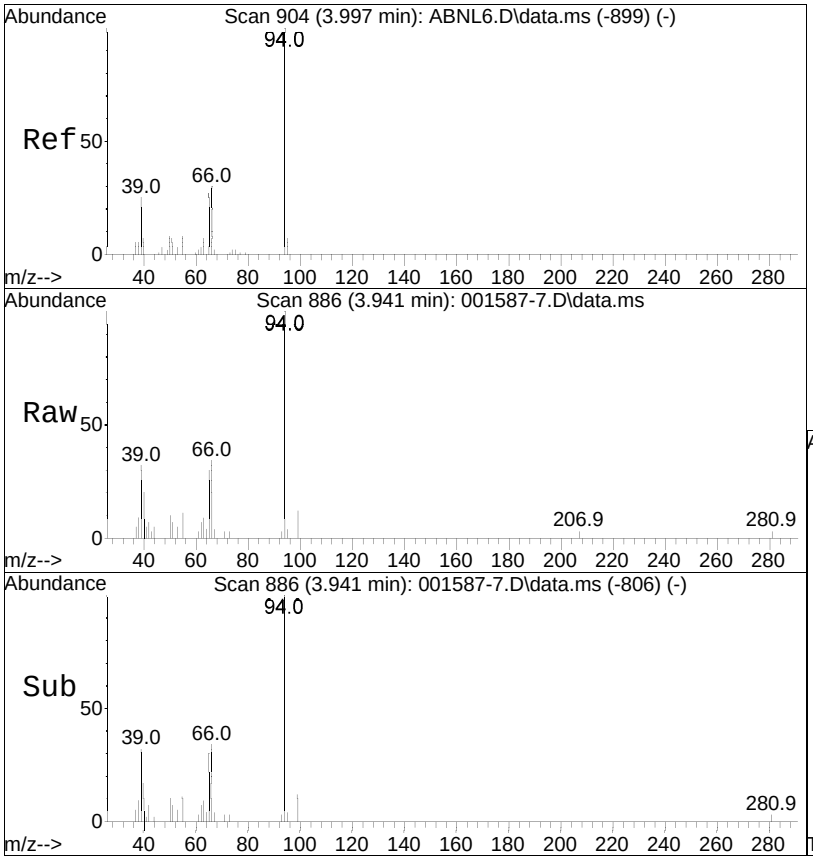


#6
2-Chlorophenol
Concen: 1.27 ug/ml
RT: 4.021 min Scan# 912
Delta R.T. 0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:128 Resp: 9509

Ion	Ratio	Lower	Upper
128	100		
64	48.3	45.1	67.7
130	30.7	26.2	39.4

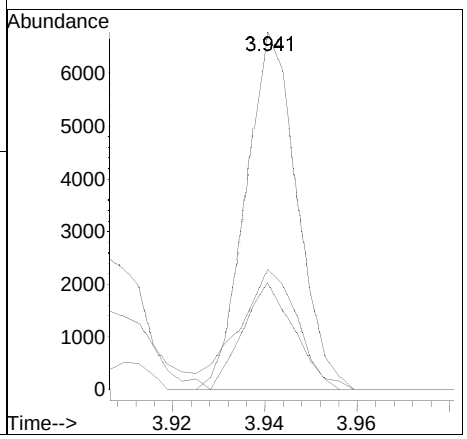


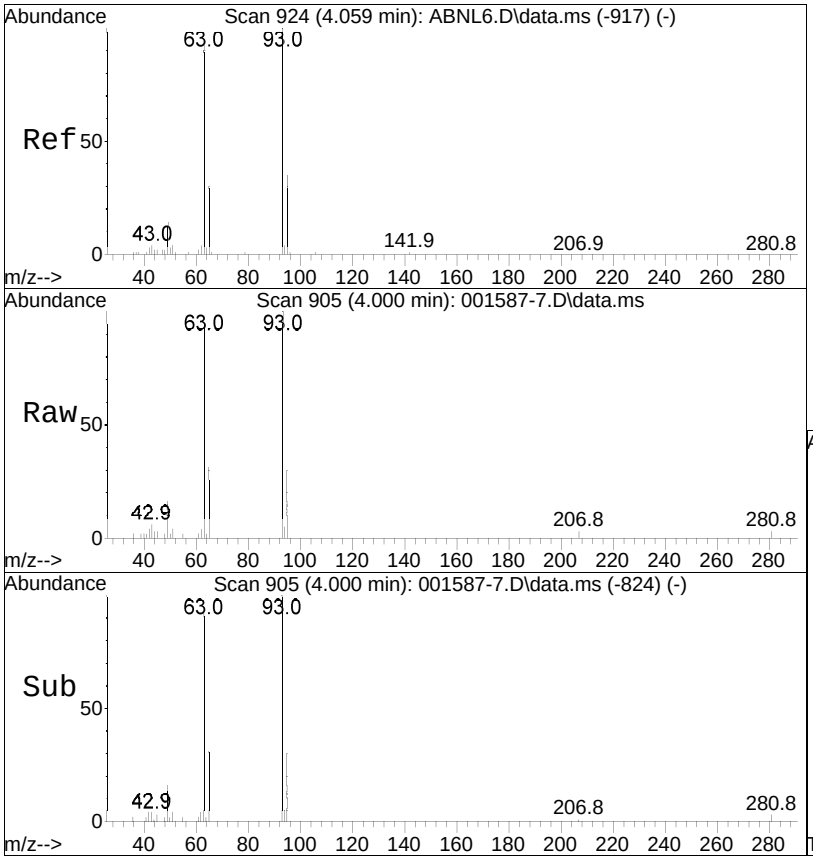


#8
Phenol
Concen: 0.60 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 94 Resp: 5222

Ion	Ratio	Lower	Upper
94	100		
65	30.5	26.0	39.0
66	38.0	33.8	50.8

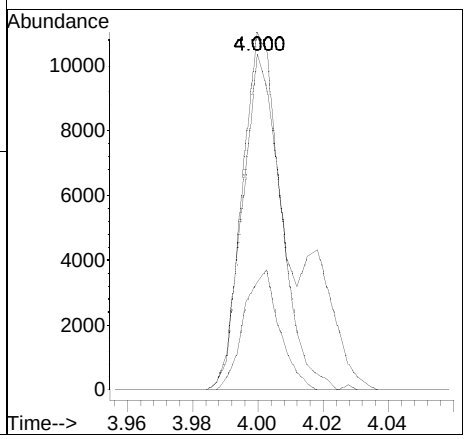


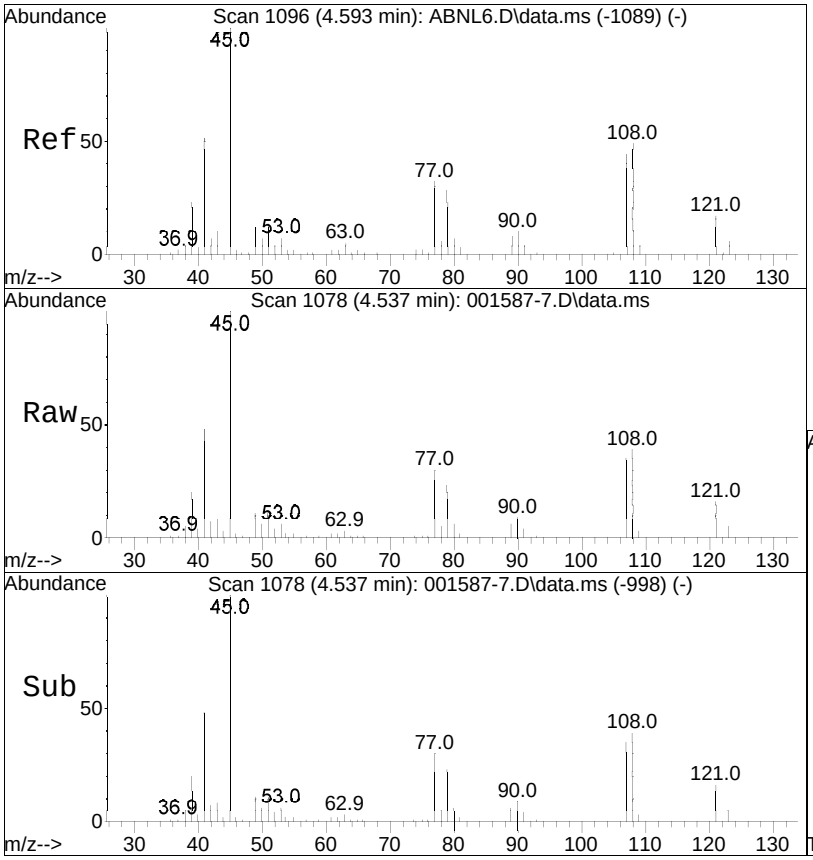


#9
Bis(2-chloroethyl)ether
Concen: 1.45 ug/ml
RT: 4.000 min Scan# 905
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 93 Resp: 9002

Ion	Ratio	Lower	Upper
93	100		
63	94.6	74.6	111.8
95	31.3	25.9	38.9

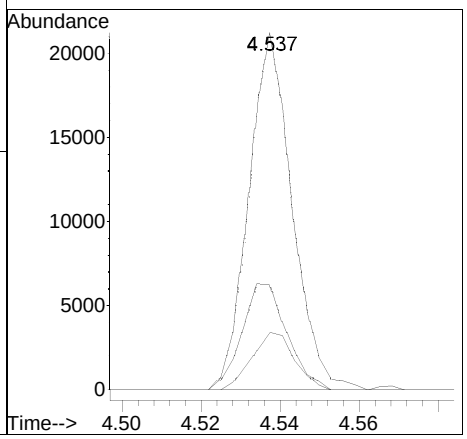


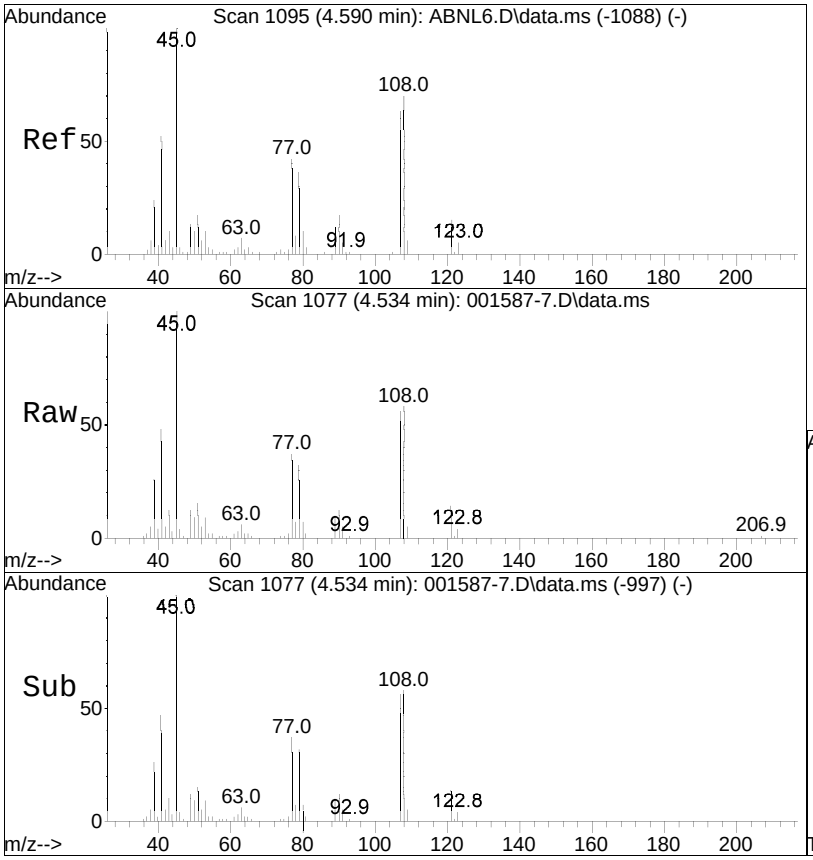


#14
Bis(2-chloroisopropyl)ether
Concen: 1.47 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 45 Resp: 16031

Ion	Ratio	Lower	Upper
45	100		
121	15.8	9.8	14.6#
77	31.1	6.1	9.1#

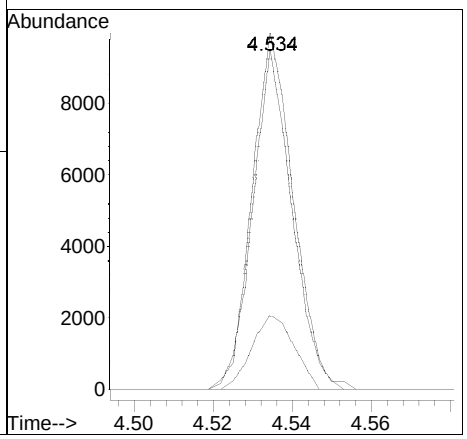


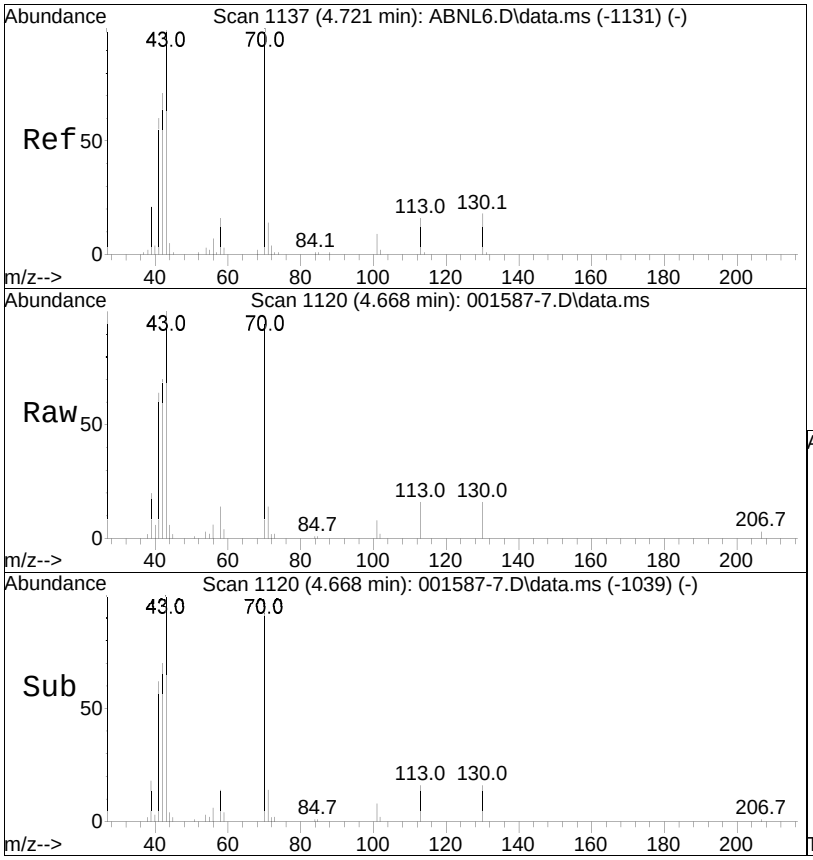


#15
2-Methylphenol
Concen: 1.09 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:108 Resp: 7187

Ion	Ratio	Lower	Upper
108	100		
107	90.6	70.7	106.1
90	21.4	18.7	28.1

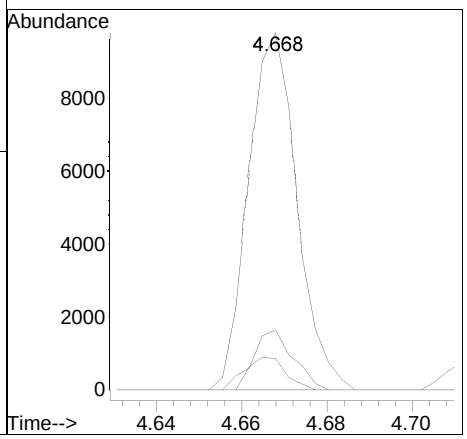


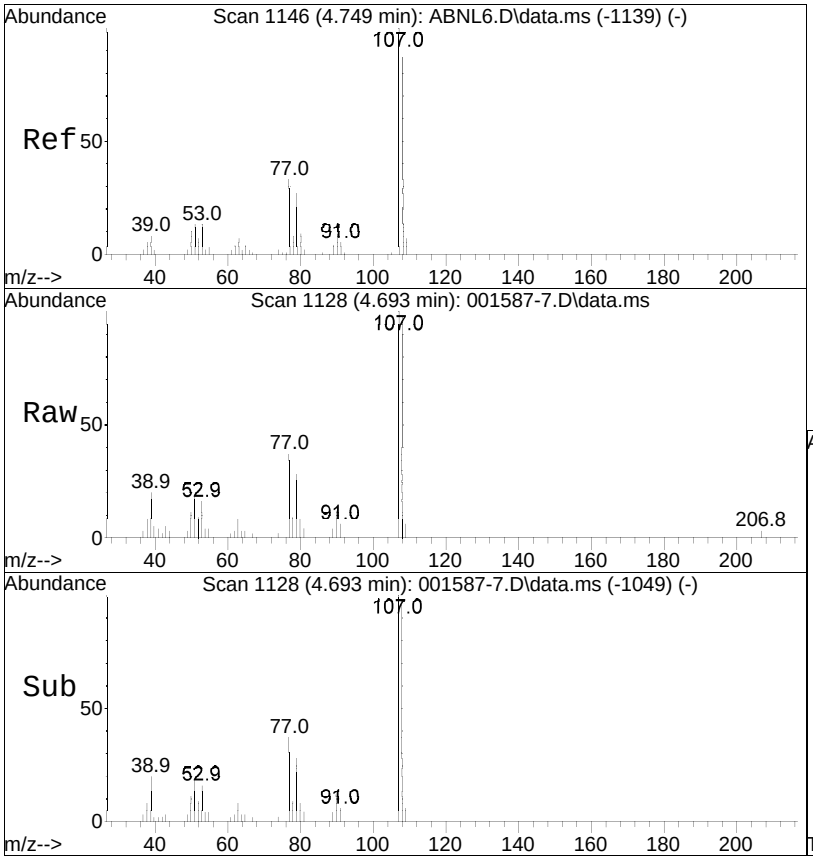


#17
n-Nitrosodi-n-propylamine
Concen: 1.47 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 70 Resp: 7747

Ion	Ratio	Lower	Upper
70	100		
130	14.2	18.2	27.4#
101	6.9	7.8	11.8#

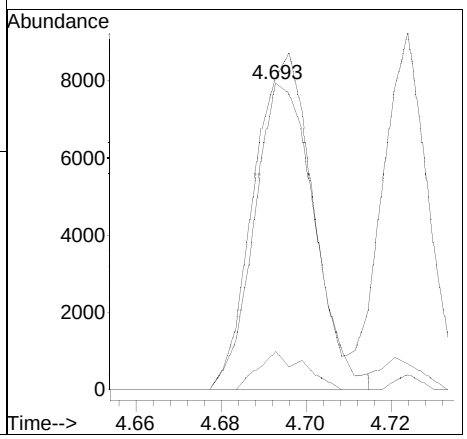


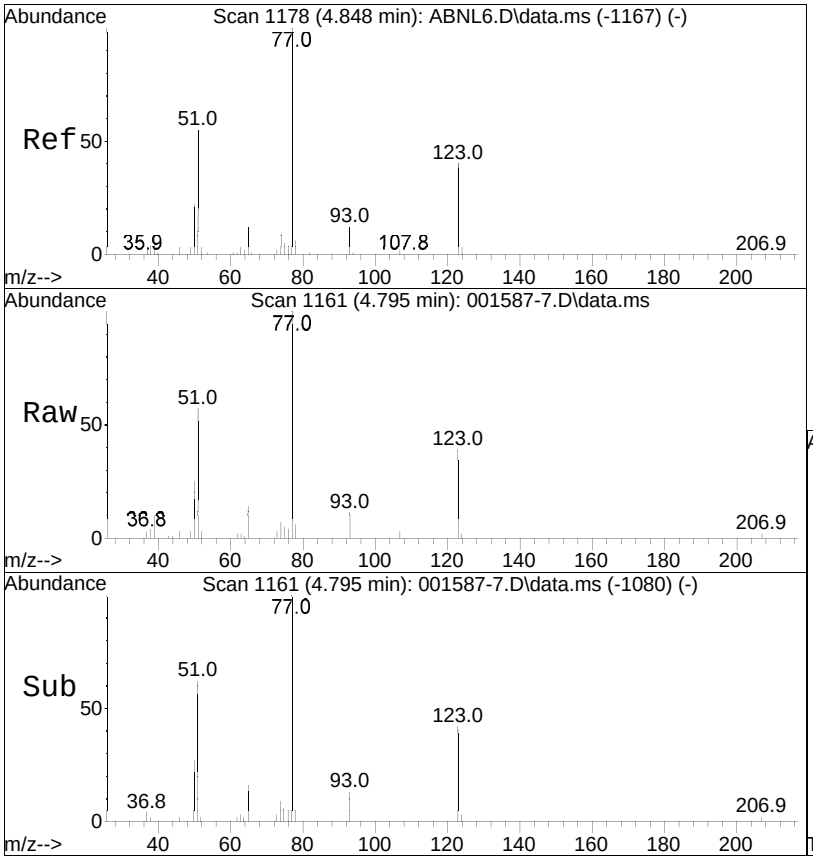


#18
3-Methylphenol/4-Methylphenol
Concen: 1.08 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:108 Resp: 7774

Ion	Ratio	Lower	Upper
108	100		
107	106.9	88.6	132.8
90	9.6	8.8	13.2

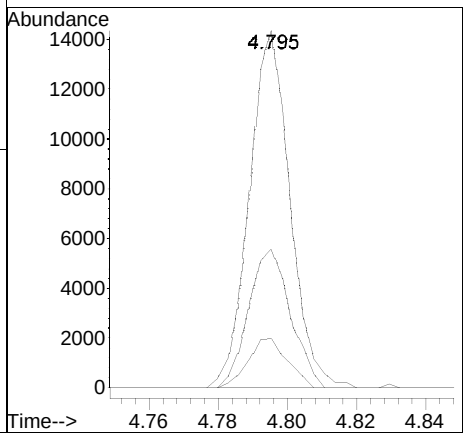


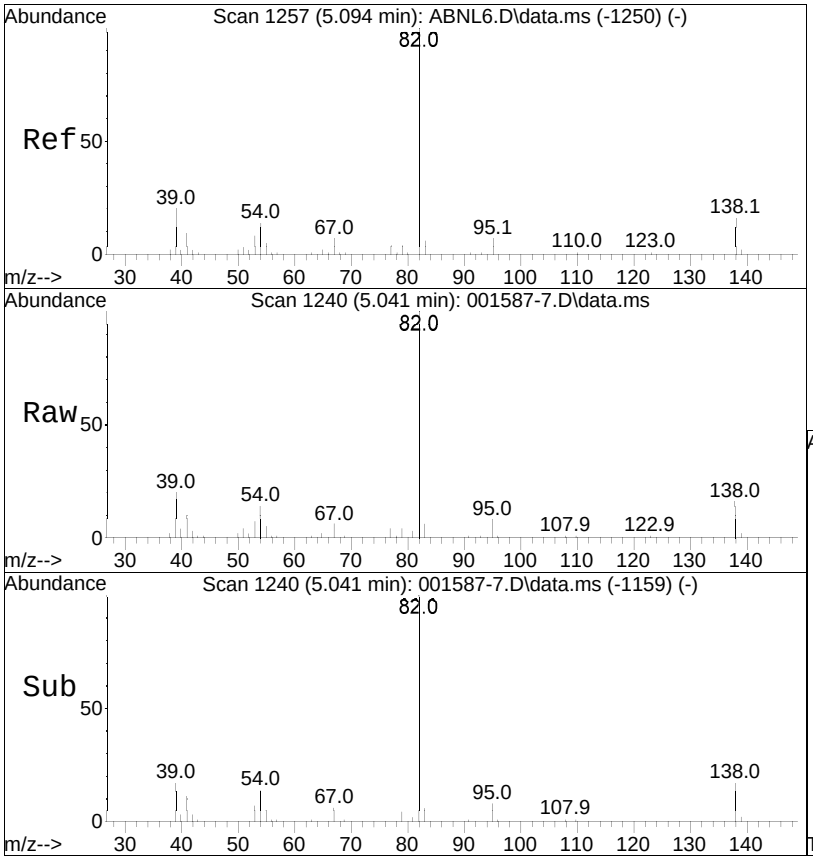


#20
Nitrobenzene
Concen: 1.56 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 77 Resp: 11612

Ion	Ratio	Lower	Upper
77	100		
123	40.2	36.3	54.5
65	13.5	11.6	17.4

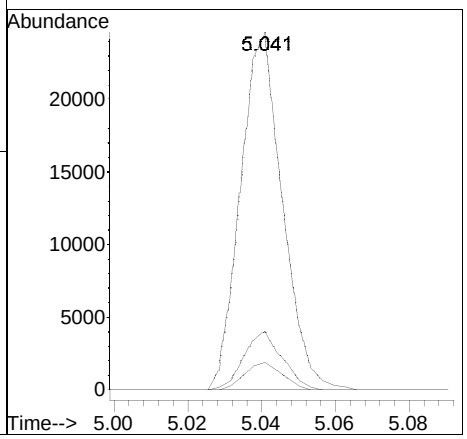


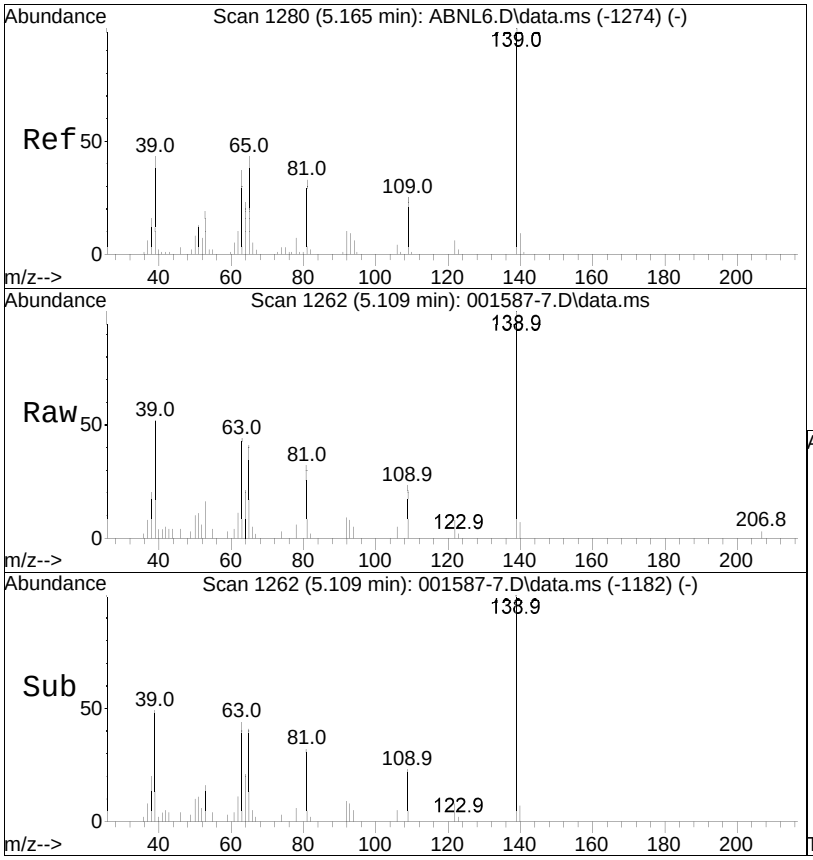


#21
Isophorone
Concen: 1.40 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 82 Resp: 19220

Ion	Ratio	Lower	Upper
82	100		
138	15.1	14.7	22.1
95	6.9	5.2	7.8

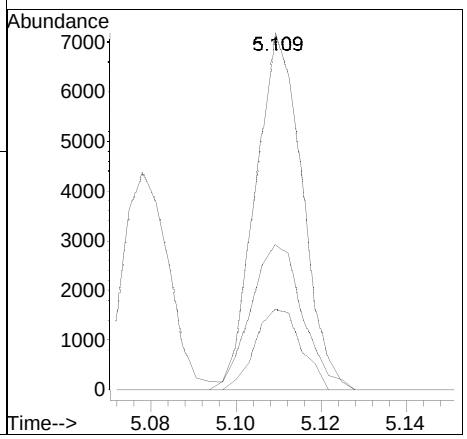


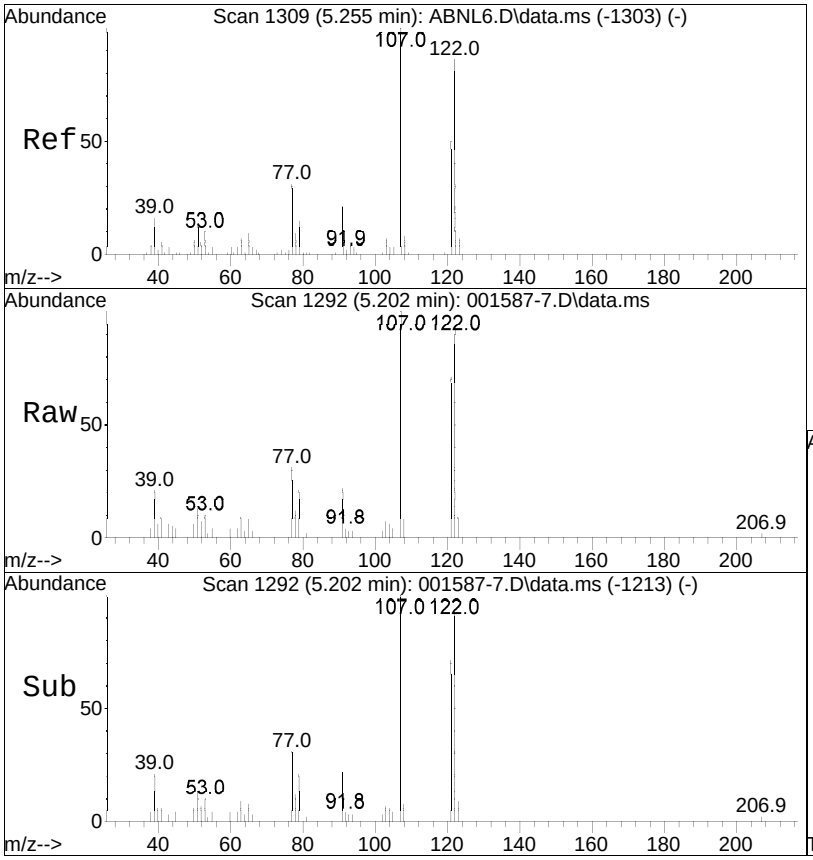


#22
2-Nitrophenol
Concen: 1.45 ug/ml
RT: 5.109 min Scan# 1262
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:139 Resp: 5472

Ion	Ratio	Lower	Upper
139	100		
109	22.3	19.4	29.0
65	44.8	46.1	69.1#

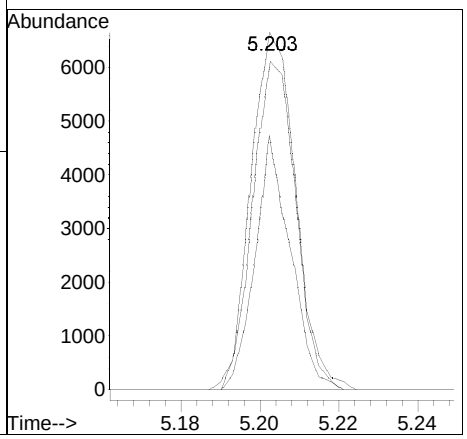


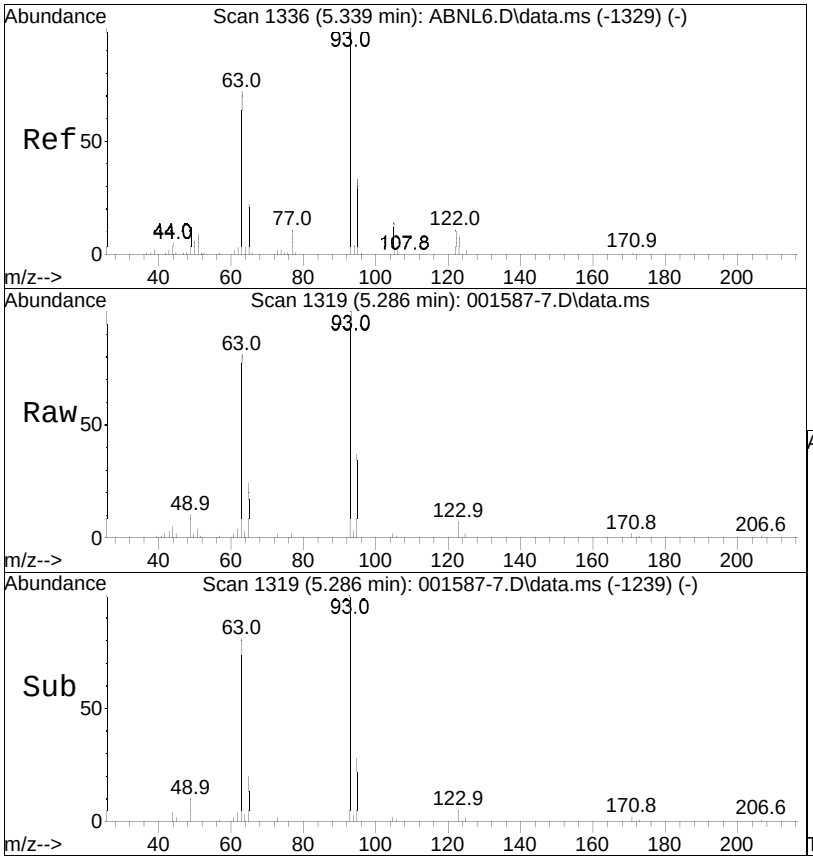


#23
2,4-Dimethylphenol
Concen: 0.78 ug/ml
RT: 5.202 min Scan# 1292
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:107 Resp: 5239

Ion	Ratio	Lower	Upper
107	100		
121	56.4	40.0	60.0
122	88.2	70.2	105.4

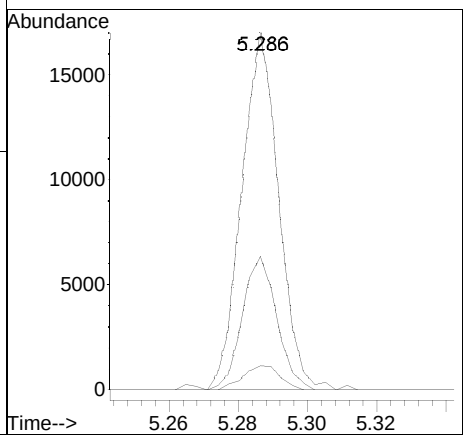


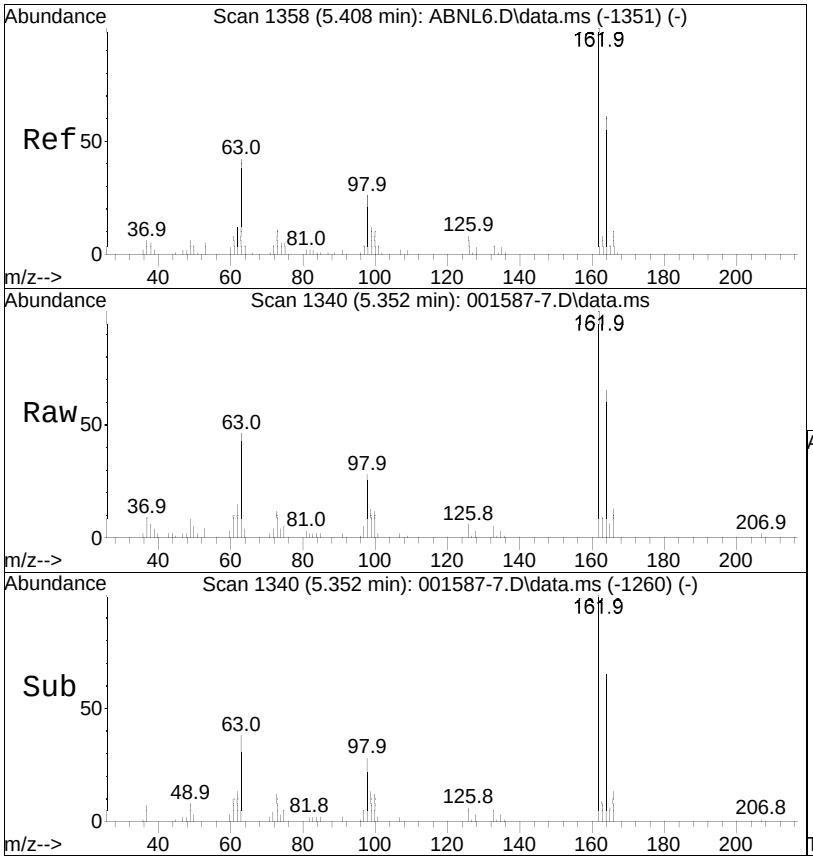


#24
Bis(2-chloroethoxy)methane
Concen: 1.47 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 93 Resp: 12551

Ion	Ratio	Lower	Upper
93	100		
95	34.9	25.8	38.8
123	6.9	10.1	15.1#

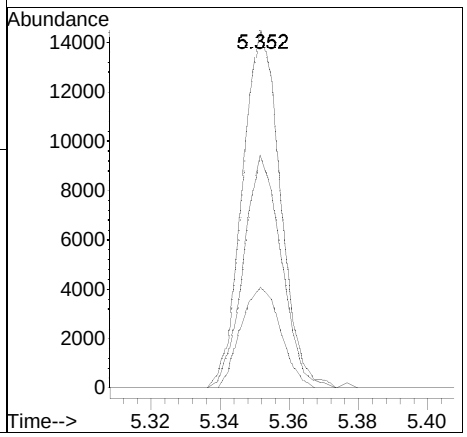


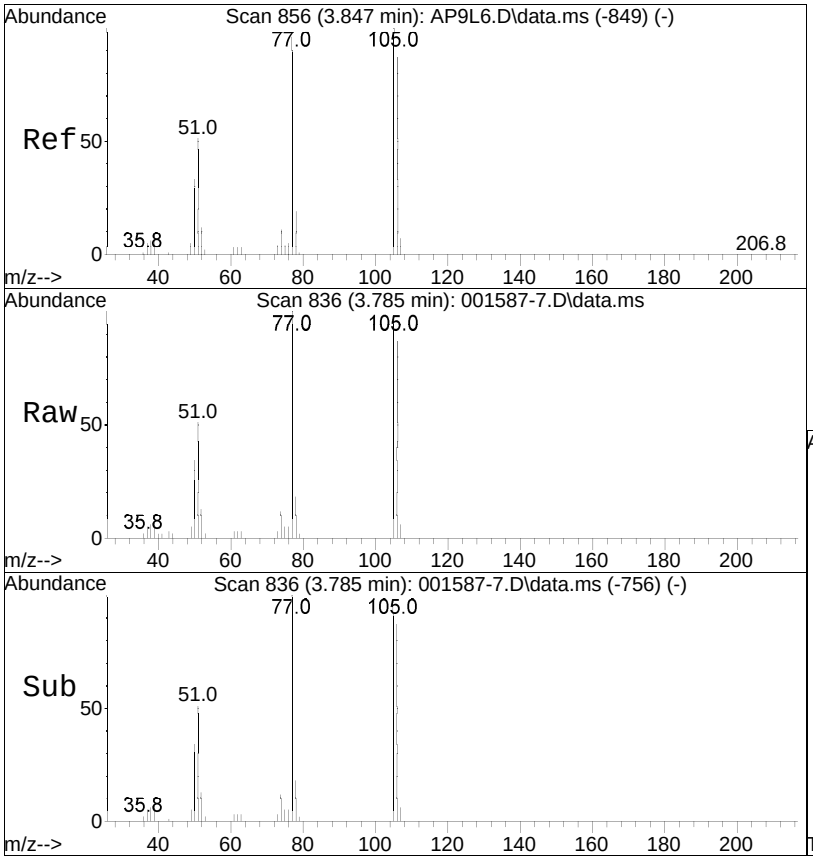


#25
2,4-Dichlorophenol
Concen: 1.41 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:162 Resp: 11026

Ion	Ratio	Lower	Upper
162	100		
164	64.5	51.0	76.4
98	29.4	32.2	48.2#

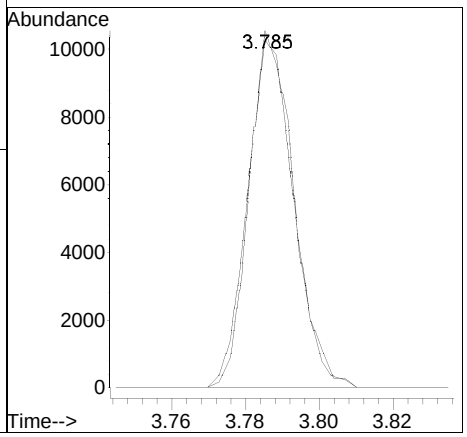


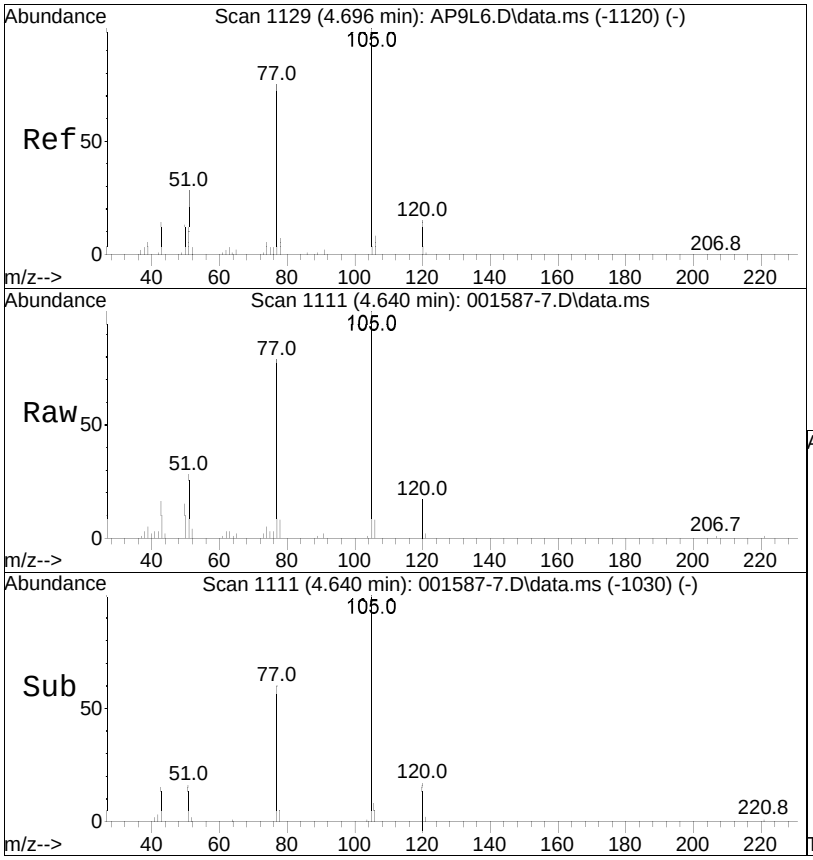


#28
Benzaldehyde
Concen: 2.02 ug/ml
RT: 3.785 min Scan# 836
Delta R.T. 0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:105 Resp: 8659

Ion	Ratio	Lower	Upper
105	100		
77	104.9	82.2	123.4

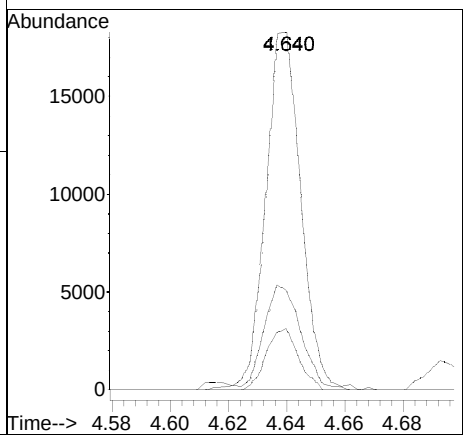


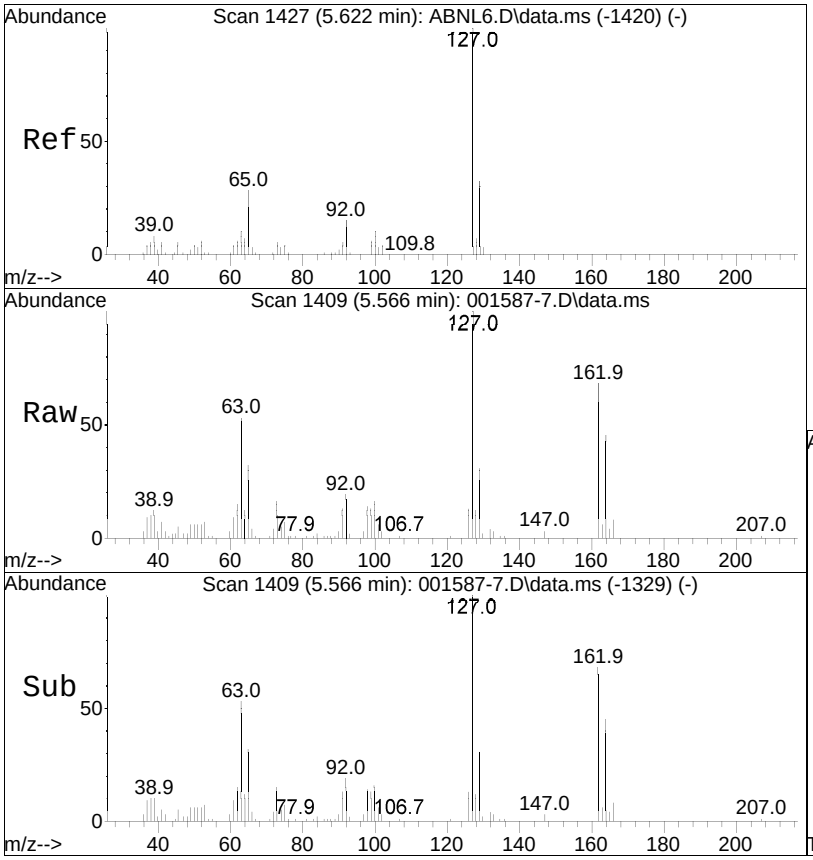


#29
Acetophenone
Concen: 1.77 ug/ml
RT: 4.640 min Scan# 1111
Delta R.T. 0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:105 Resp: 15173

Ion	Ratio	Lower	Upper
105	100		
120	15.8	20.5	30.7#
51	30.8	34.9	52.3#

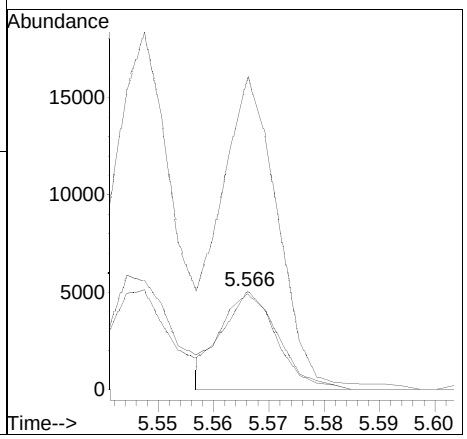


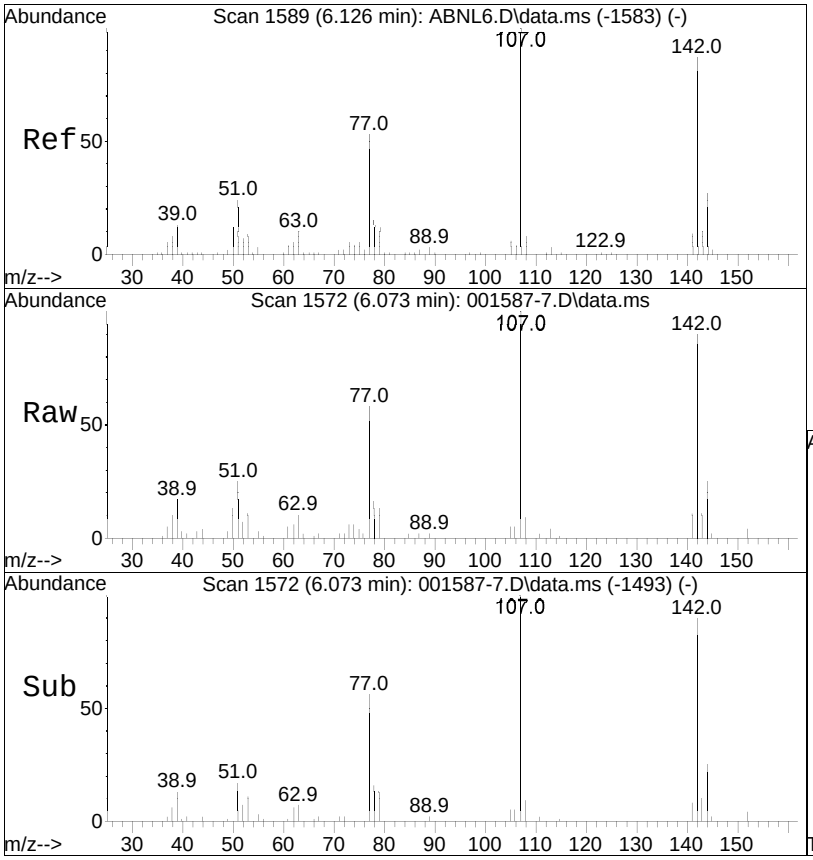


#40
4-Chloroaniline
Concen: 1.16 ug/ml
RT: 5.566 min Scan# 1409
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 65 Resp: 3424

Ion	Ratio	Lower	Upper
65	100		
127	334.4	237.6	356.4
129	105.0	76.3	114.5

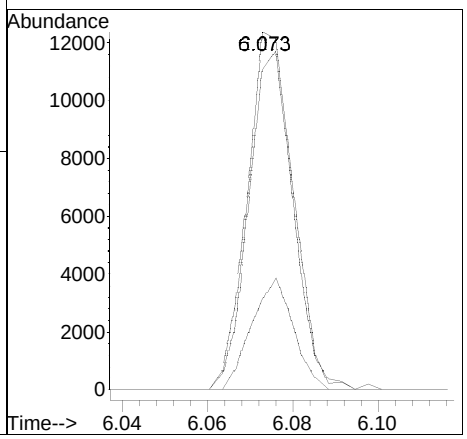


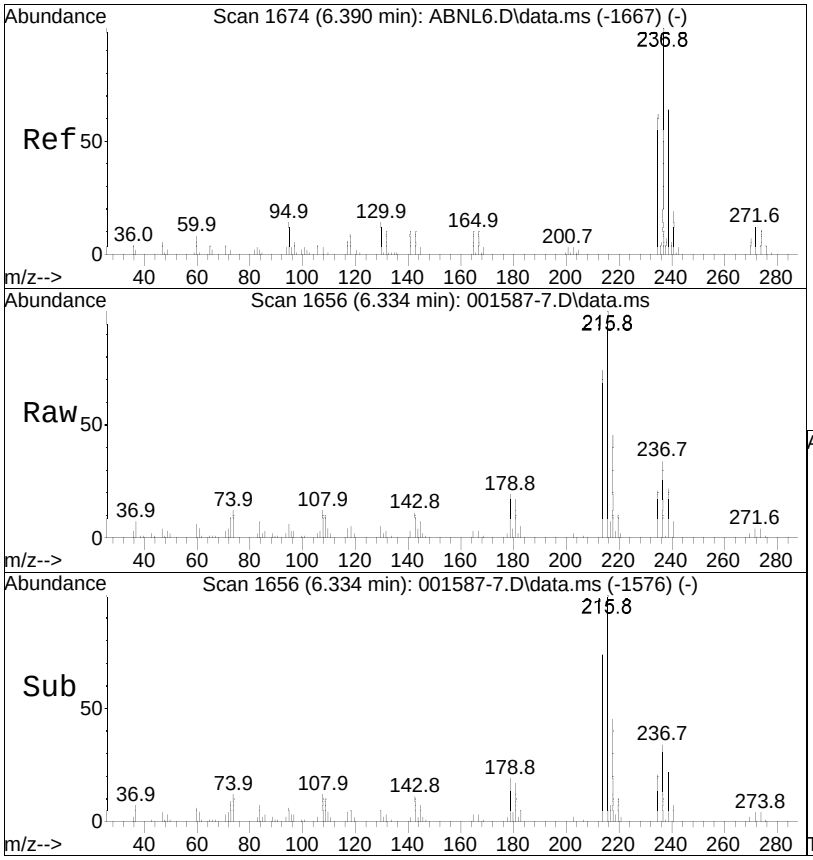


#42
p-Chloro-m-cresol
Concen: 1.30 ug/ml
RT: 6.073 min Scan# 1572
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:107 Resp: 9235

Ion	Ratio	Lower	Upper
107	100		
144	28.3	20.9	31.3
142	92.0	66.1	99.1

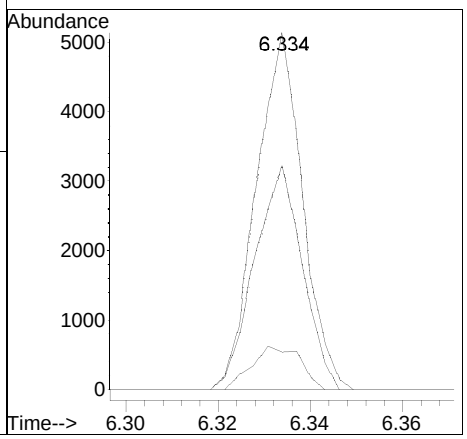


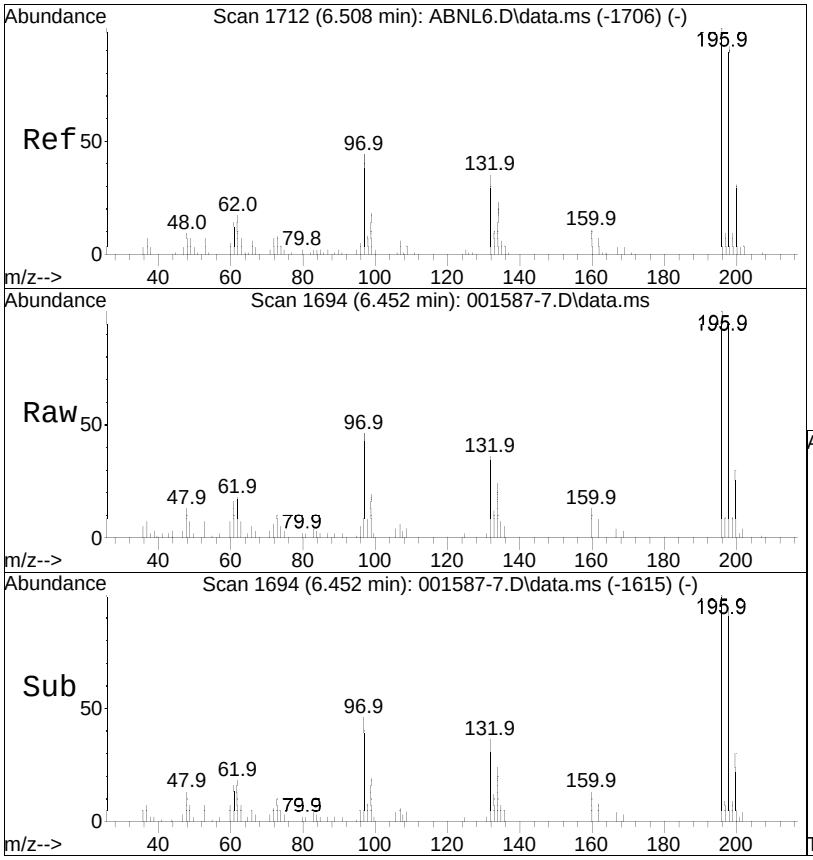


#45
Hexachlorocyclopentadiene
Concen: 0.53 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:237 Resp: 3556

Ion	Ratio	Lower	Upper
237	100		
235	65.0	49.7	74.5
272	0.0	9.8	14.6#

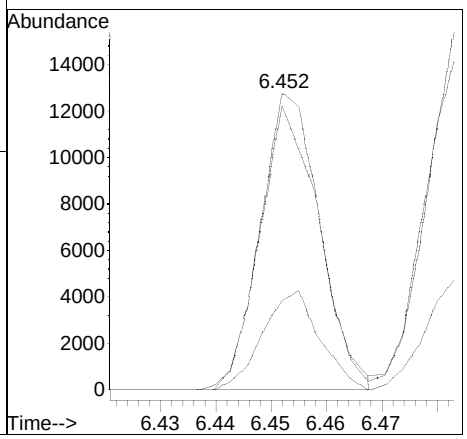


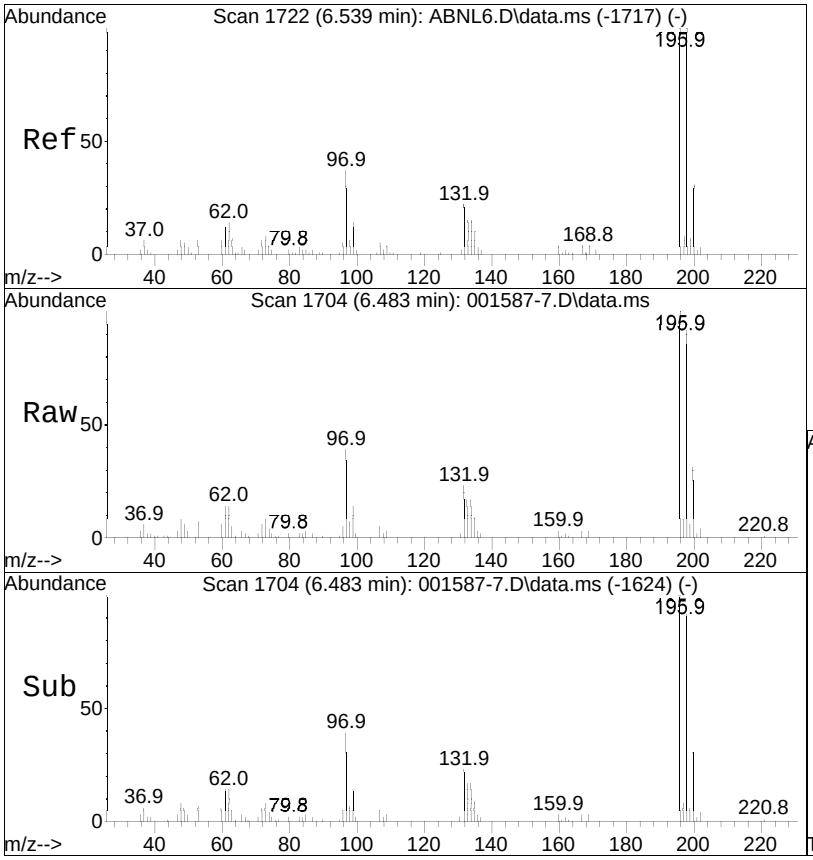


#46
2,4,6-Trichlorophenol
Concen: 1.36 ug/ml
RT: 6.452 min Scan# 1694
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:196 Resp: 9562

Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.5	116.3
200	31.9	23.8	35.6

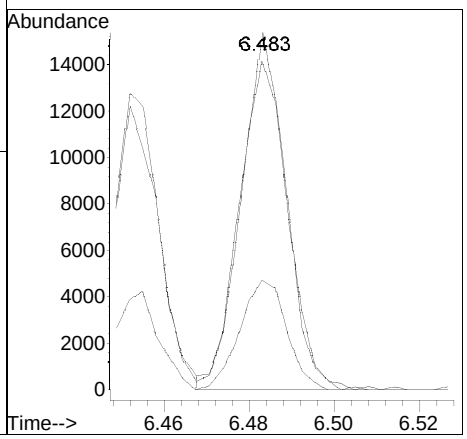


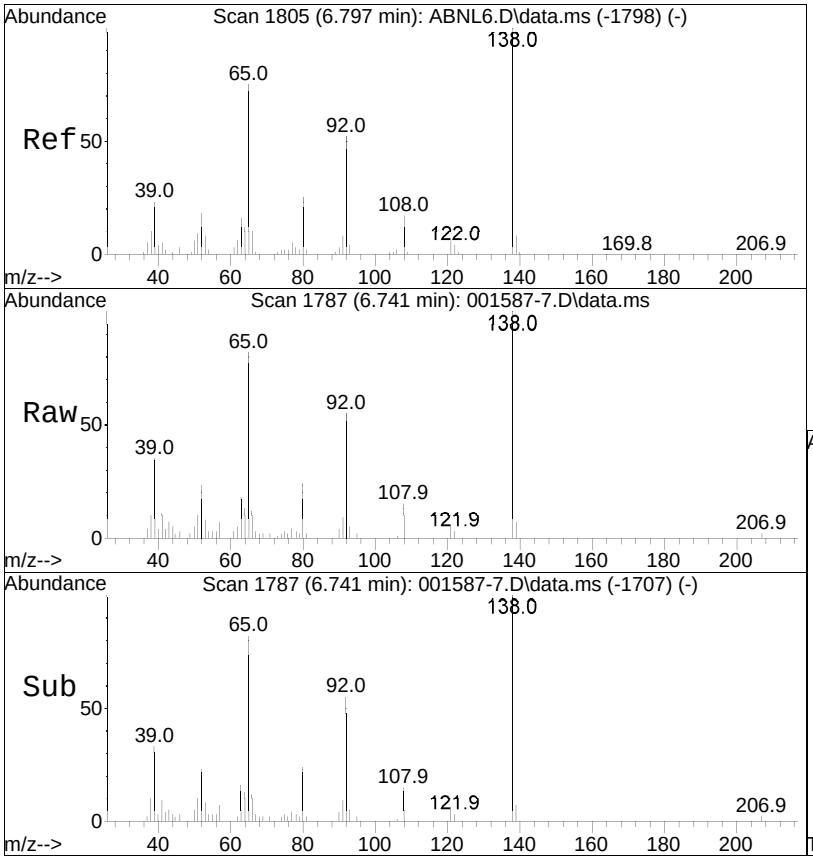


#47
2,4,5-Trichlorophenol
Concen: 1.45 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:196 Resp: 11357

Ion	Ratio	Lower	Upper
196	100		
200	31.8	25.4	38.0
198	96.8	78.0	117.0

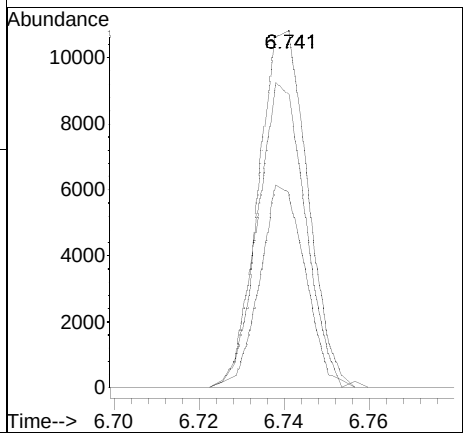


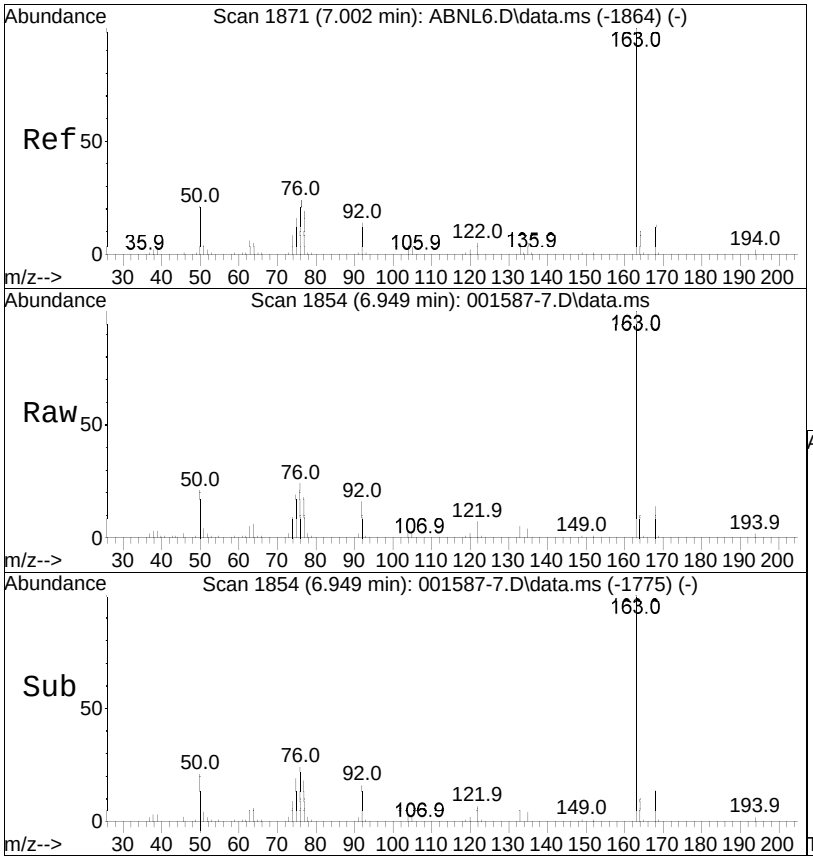


#50
2-Nitroaniline
Concen: 1.60 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:138 Resp: 8565

Ion	Ratio	Lower	Upper
138	100		
92	53.1	53.5	80.3#
65	84.2	86.3	129.5#

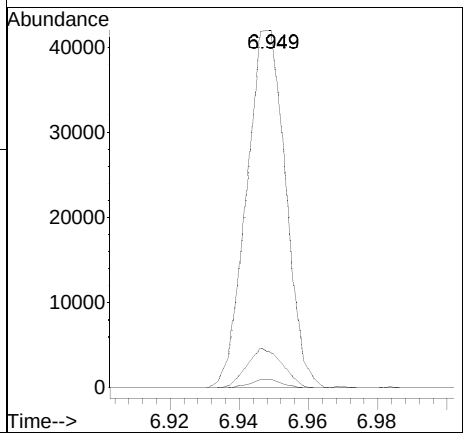


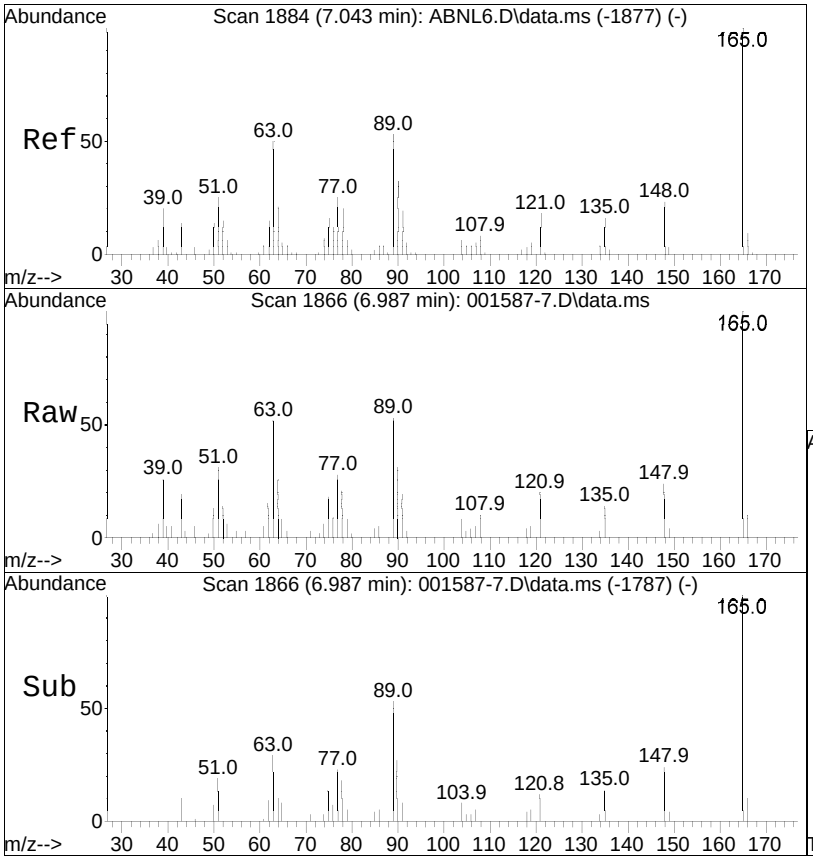


#53
Dimethyl phthalate
Concen: 1.35 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:163 Resp: 32631

Ion	Ratio	Lower	Upper
163	100		
194	2.1	3.5	5.3#
164	10.3	7.9	11.9

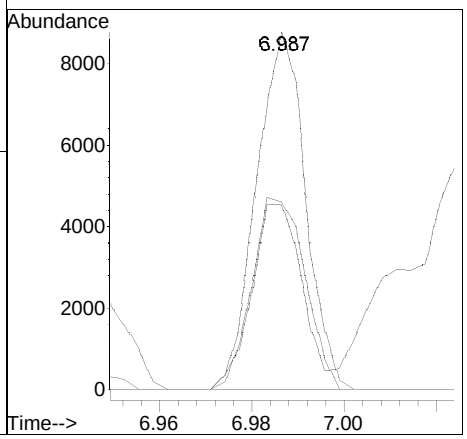


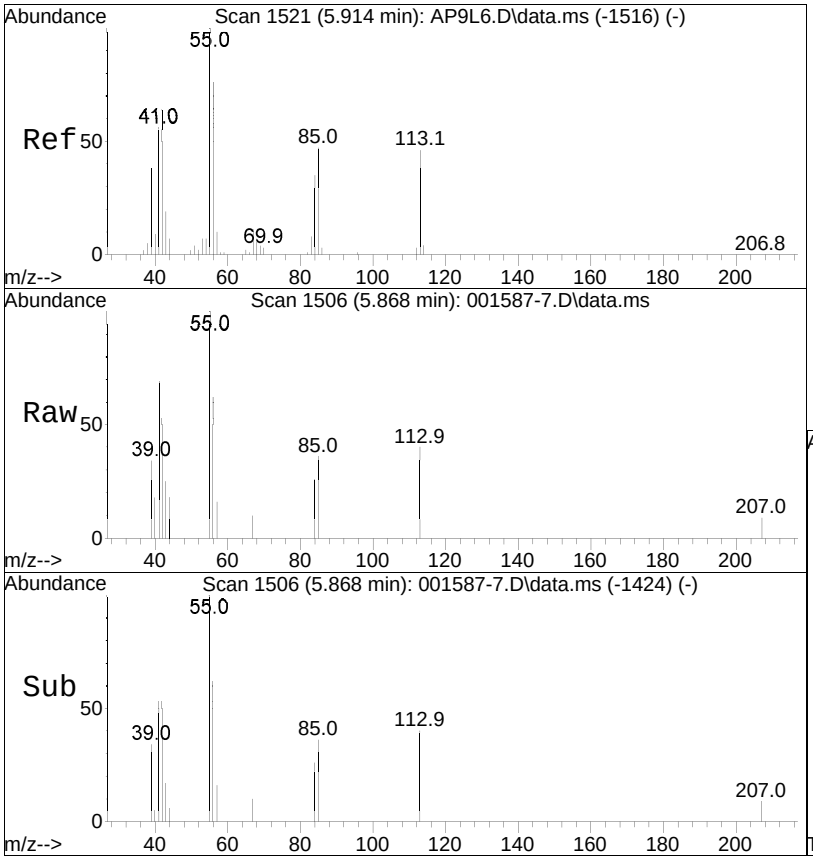


#55
2,6-Dinitrotoluene
Concen: 1.43 ug/ml
RT: 6.987 min Scan# 1866
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:165 Resp: 6467

Ion	Ratio	Lower	Upper
165	100		
89	58.1	54.2	81.2
63	53.1	64.2	96.2#

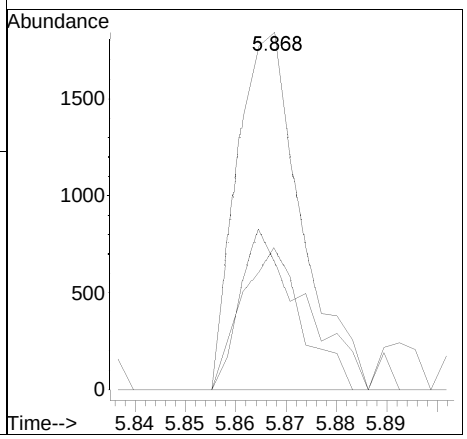


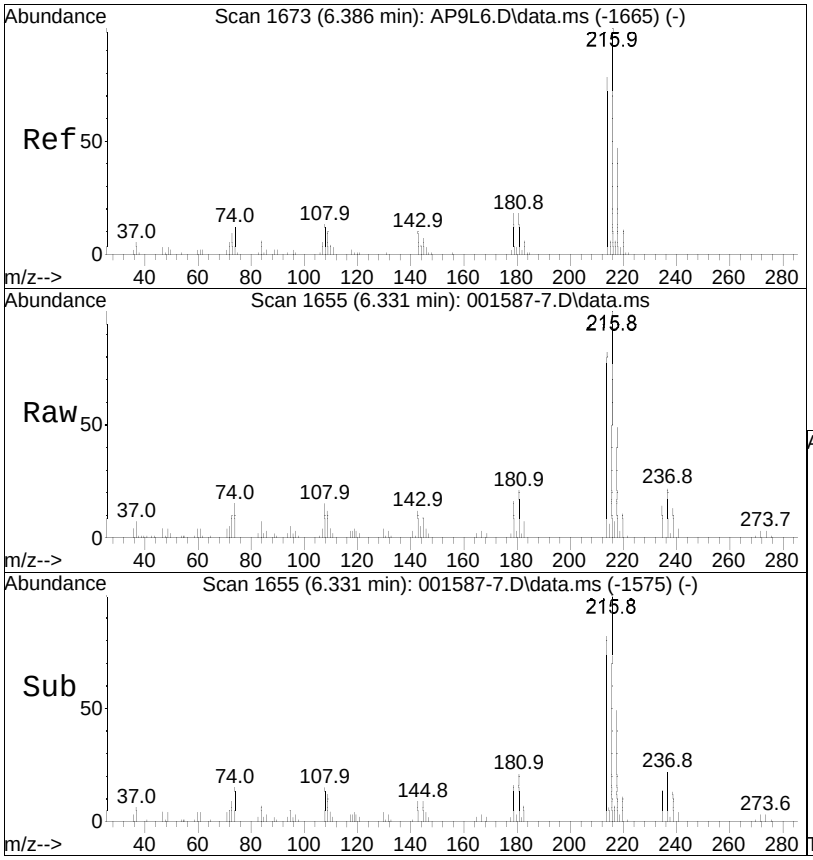


#62
Caprolactam
Concen: 0.54 ug/ml
RT: 5.868 min Scan# 1506
Delta R.T. 0.006 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 55 Resp: 1629

Ion	Ratio	Lower	Upper
55	100		
85	47.1	19.8	29.6#
113	37.8	29.6	44.4

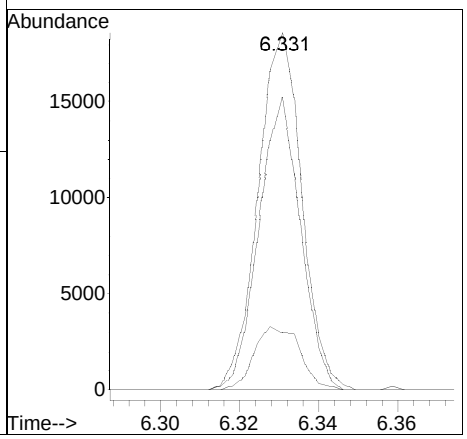


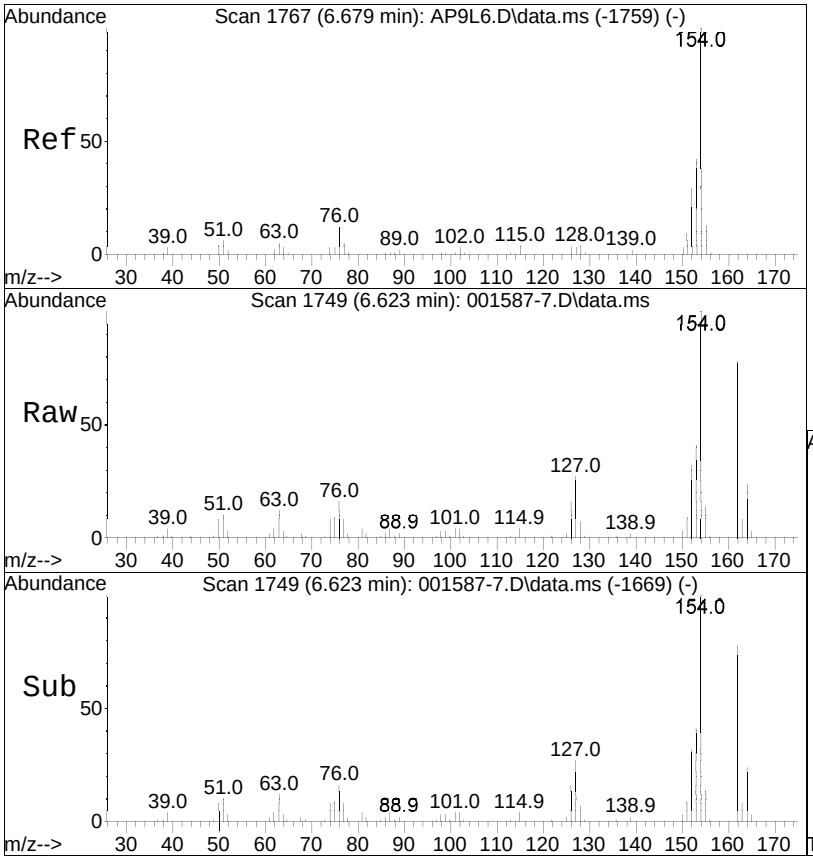


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.41 ug/ml
RT: 6.331 min Scan# 1655
Delta R.T. 0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:216 Resp: 14286

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.7	95.5
179	18.5	19.0	28.6#

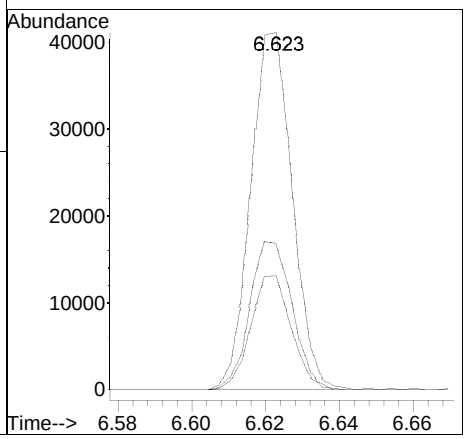


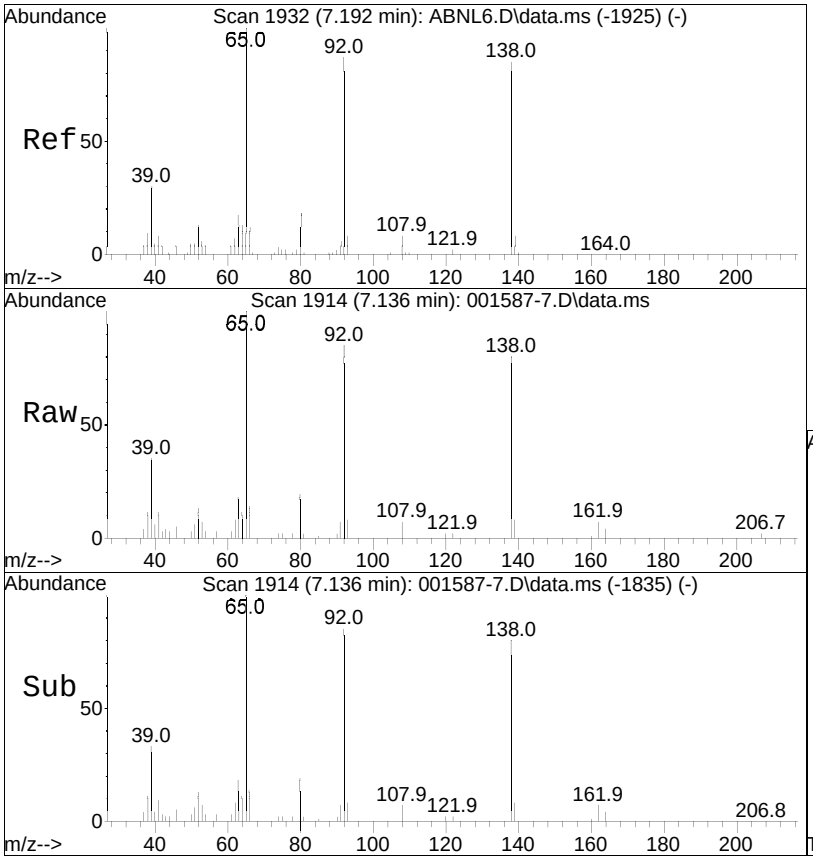


#64
Biphenyl
Concen: 1.56 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. 0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:154 Resp: 32080

Ion	Ratio	Lower	Upper
154	100		
153	42.2	32.3	48.5
152	31.4	22.5	33.7

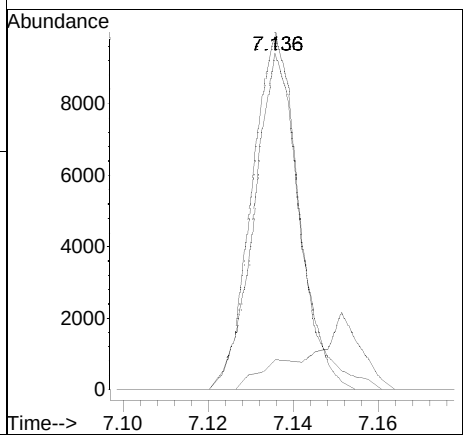


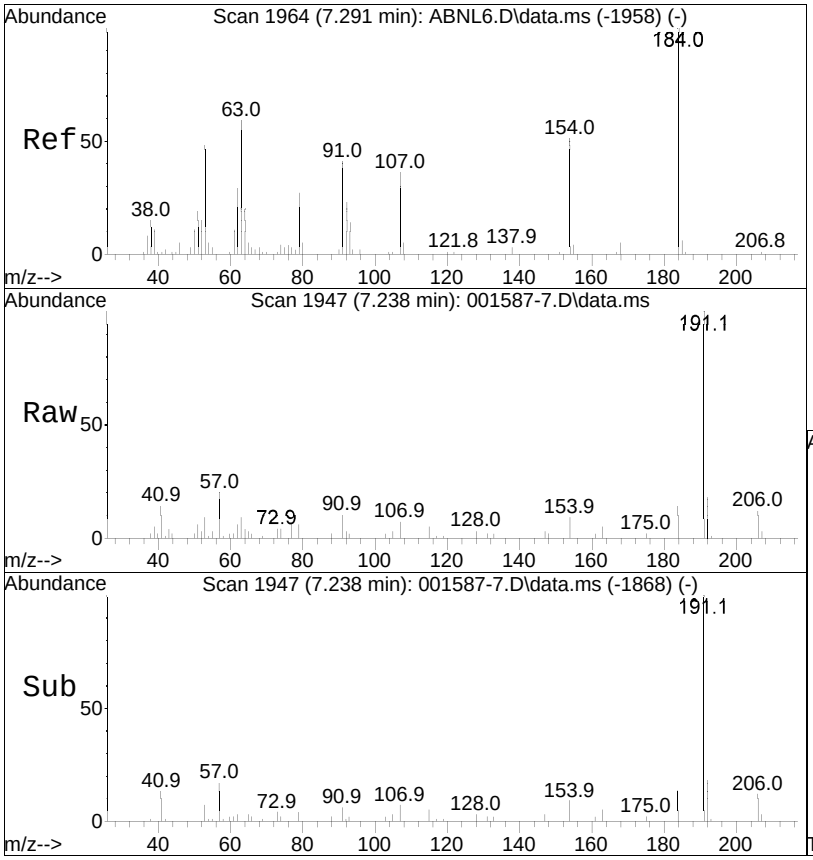


#66
3-Nitroaniline
Concen: 1.34 ug/ml
RT: 7.136 min Scan# 1914
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:138 Resp: 6859

Ion	Ratio	Lower	Upper
138	100		
92	111.9	93.4	140.2
108	27.8	9.5	14.3#

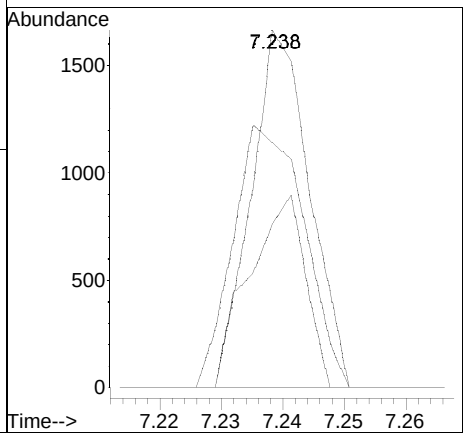


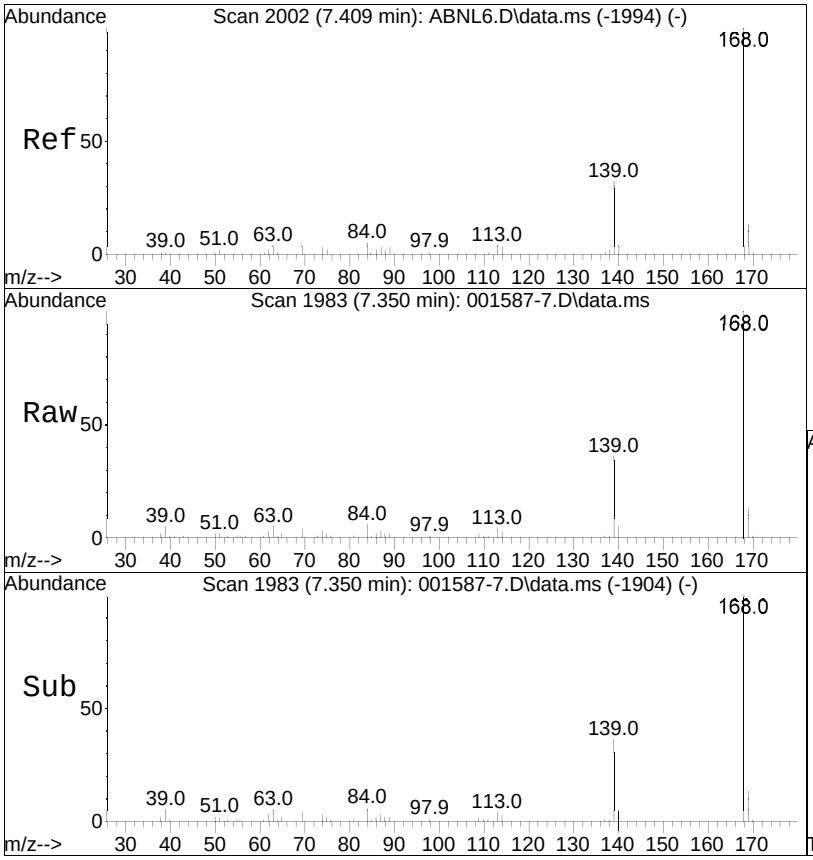


#68
2,4-Dinitrophenol
Concen: 0.35 ug/ml
RT: 7.238 min Scan# 1947
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:184 Resp: 1092

Ion	Ratio	Lower	Upper
184	100		
107	51.6	37.7	56.5
91	89.2	46.3	69.5#

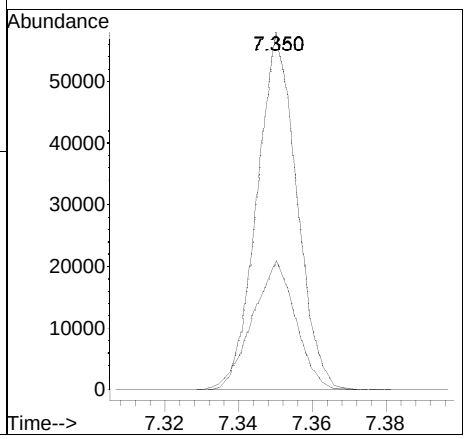


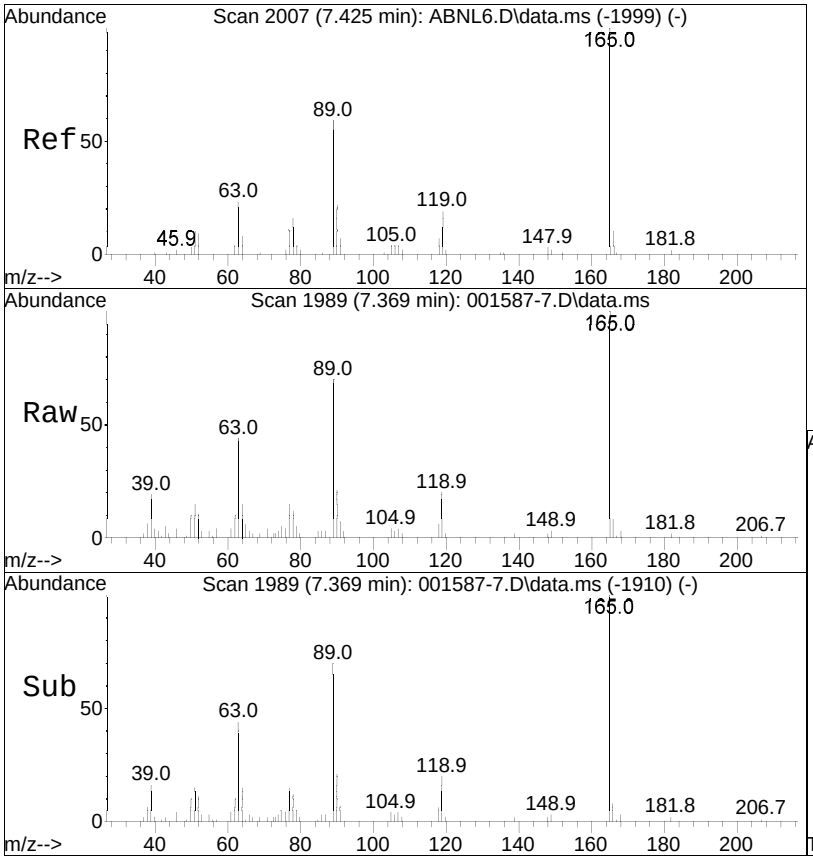


#69
Dibenzofuran
Concen: 1.29 ug/ml
RT: 7.350 min Scan# 1983
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:168 Resp: 42779

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.4	47.2

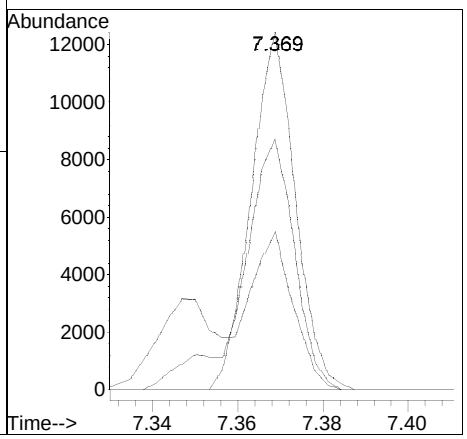


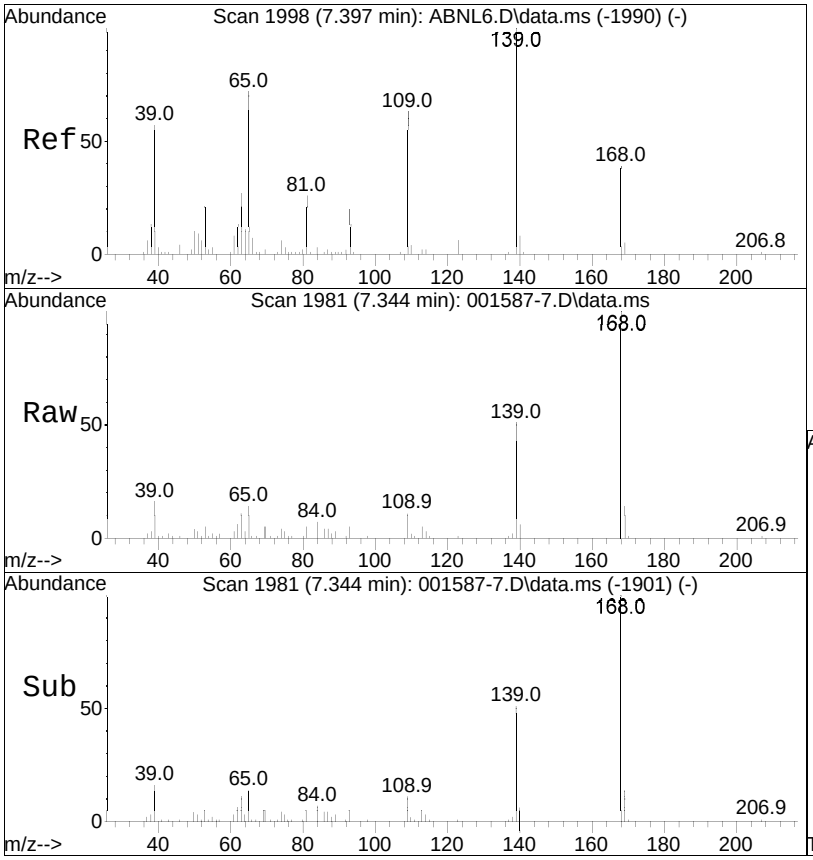


#70
2,4-Dinitrotoluene
Concen: 1.39 ug/ml
RT: 7.369 min Scan# 1989
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:165 Resp: 8944

Ion	Ratio	Lower	Upper
165	100		
89	82.9	72.0	108.0
63	44.7	52.7	79.1#

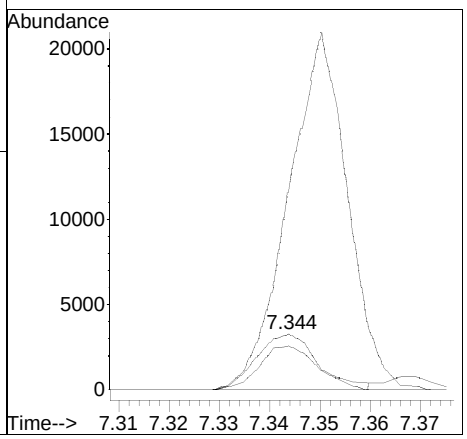


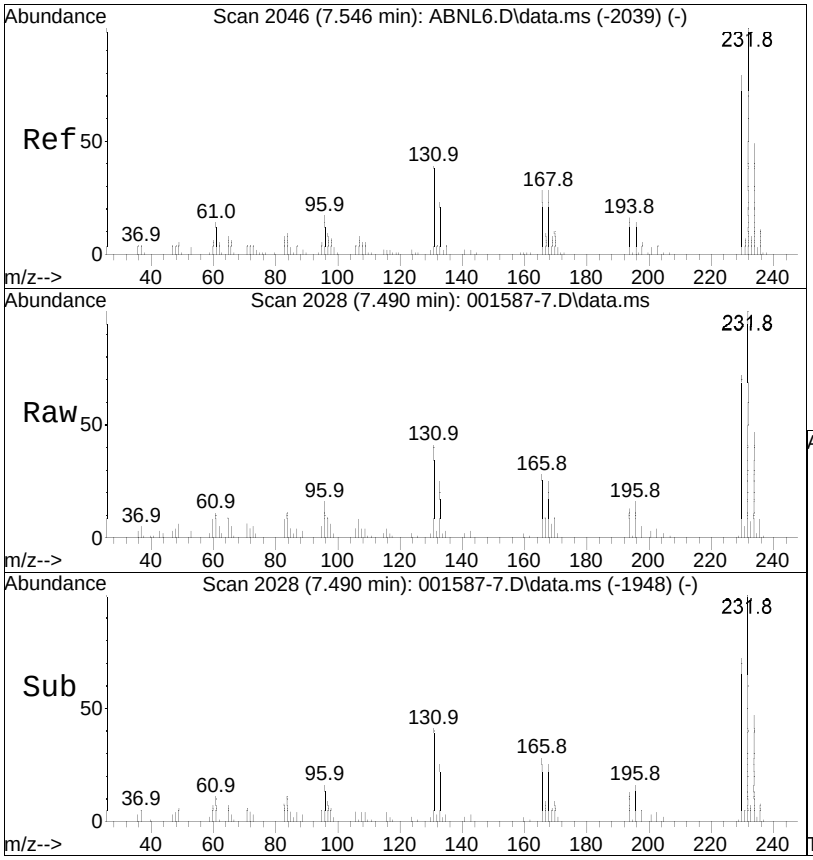


#71
4-Nitrophenol
Concen: 0.73 ug/ml
RT: 7.344 min Scan# 1981
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion: 65 Resp: 2787

Ion	Ratio	Lower	Upper
65	100		
109	73.9	47.4	71.2#
139	610.4	76.6	115.0#

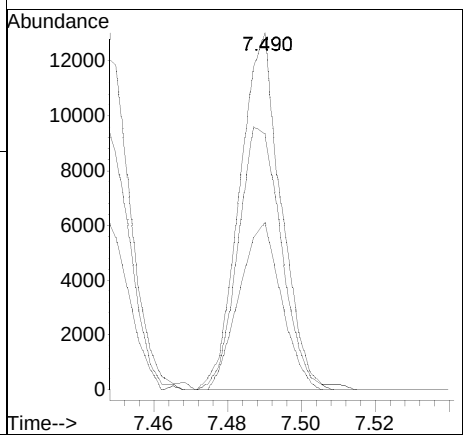


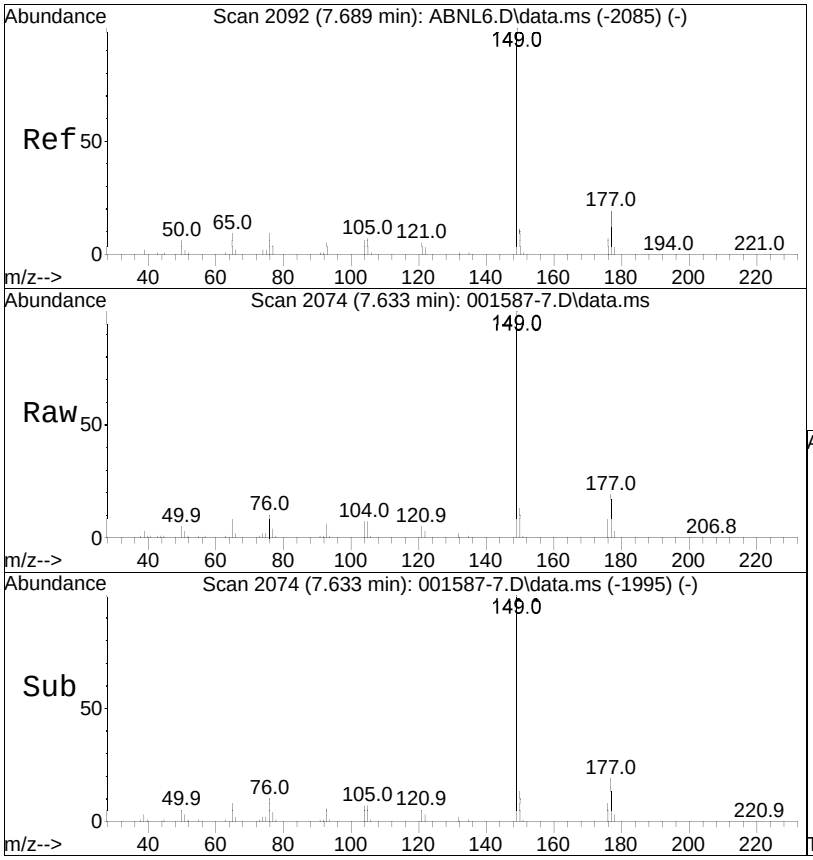


#73
2,3,4,6-Tetrachlorophenol
Concen: 1.44 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:232 Resp: 10214

Ion	Ratio	Lower	Upper
232	100		
230	76.5	61.8	92.8
234	47.7	36.2	54.2

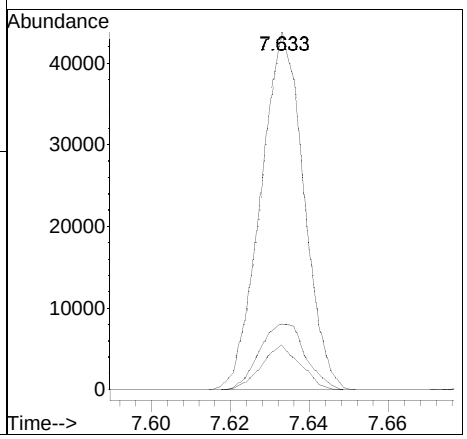


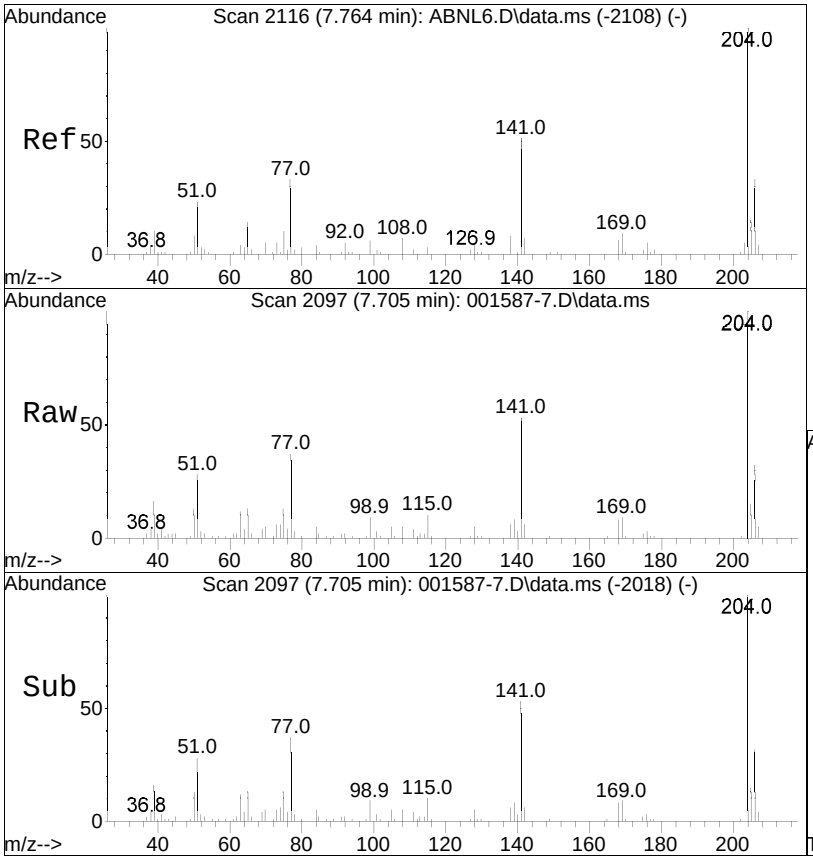


#74
Diethyl phthalate
Concen: 1.26 ug/ml
RT: 7.633 min Scan# 2074
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:149 Resp: 32878

Ion	Ratio	Lower	Upper
149	100		
177	19.8	16.1	24.1
150	11.5	9.4	14.2

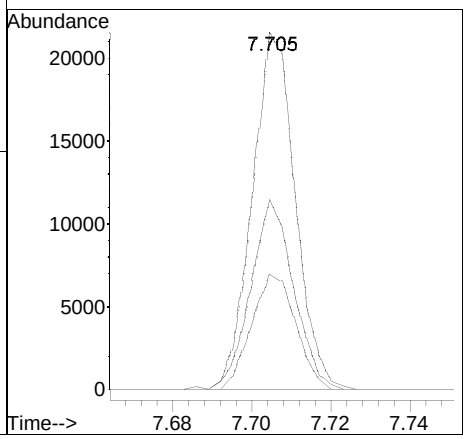


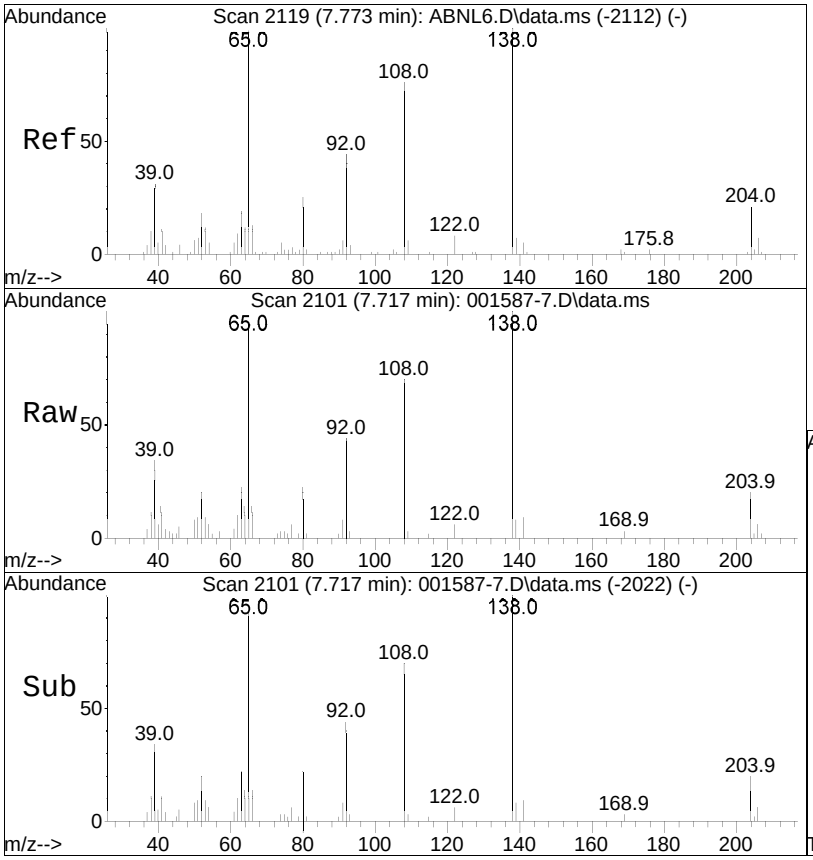


#76
4-Chlorophenyl phenyl ether
Concen: 1.23 ug/ml
RT: 7.705 min Scan# 2097
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:204 Resp: 16160

Ion	Ratio	Lower	Upper
204	100		
206	33.5	25.8	38.6
141	53.0	53.6	80.4#

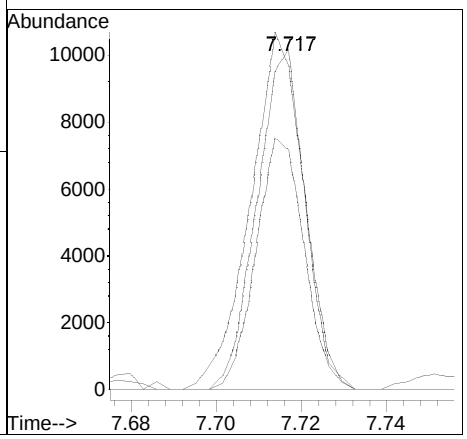


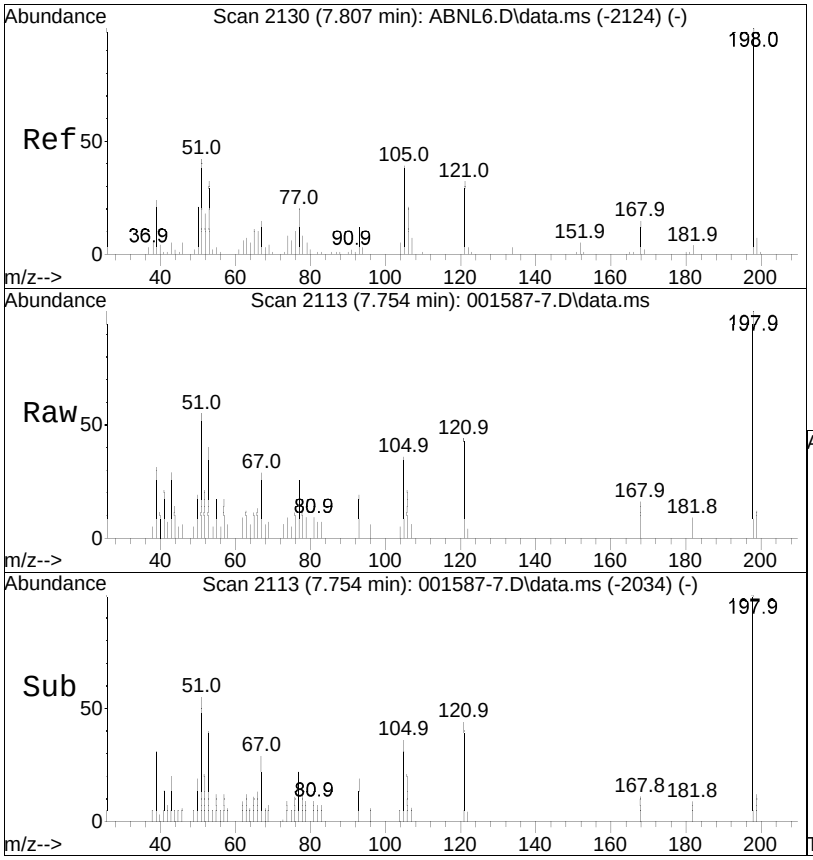


#77
4-Nitroaniline
Concen: 1.63 ug/ml
RT: 7.717 min Scan# 2101
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:138 Resp: 8052

Ion	Ratio	Lower	Upper
138	100		
108	73.2	52.1	78.1
65	113.8	115.0	172.6#

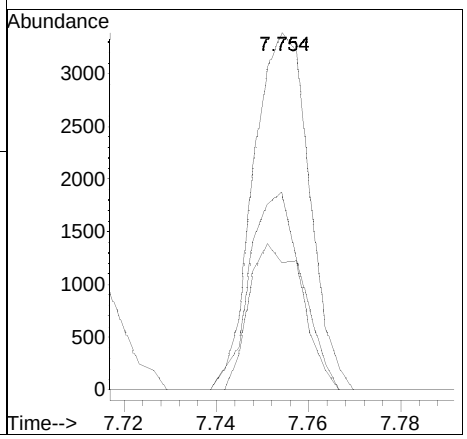


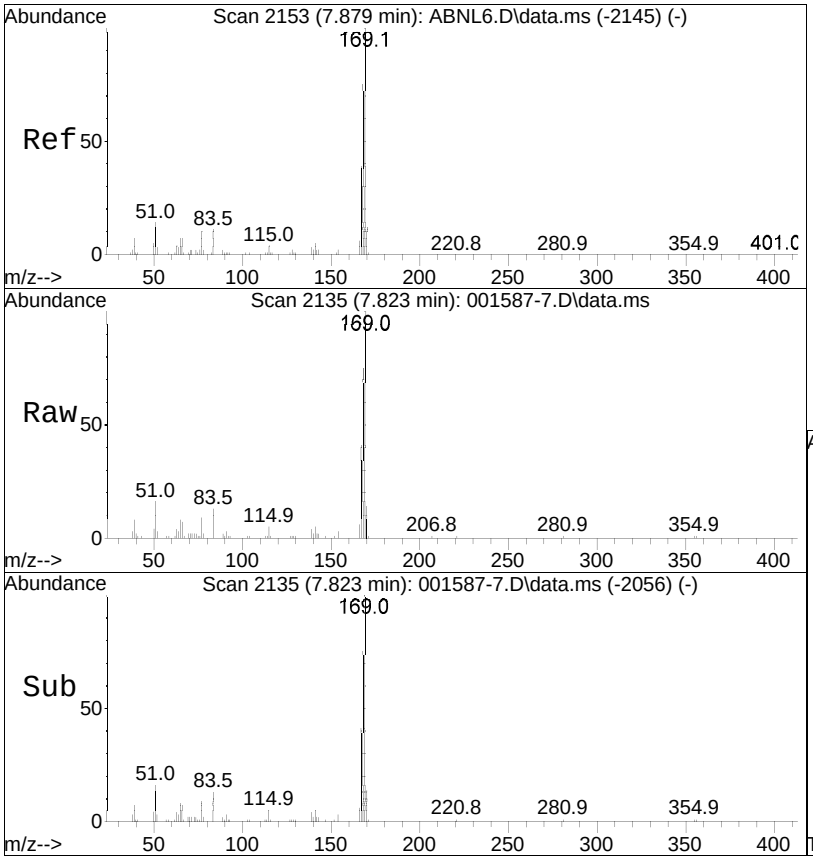


#78
4,6-Dinitro-o-cresol
Concen: 0.73 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:198 Resp: 2839

Ion	Ratio	Lower	Upper
198	100		
51	51.8	76.0	114.0#
105	39.4	45.6	68.4#

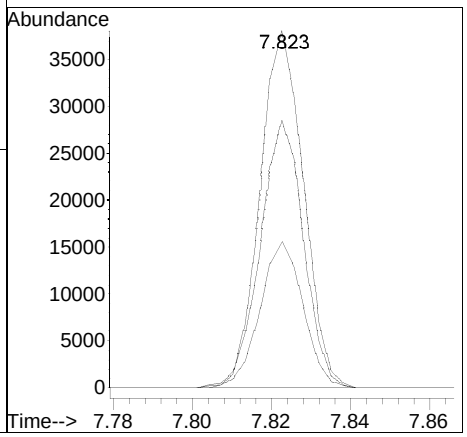


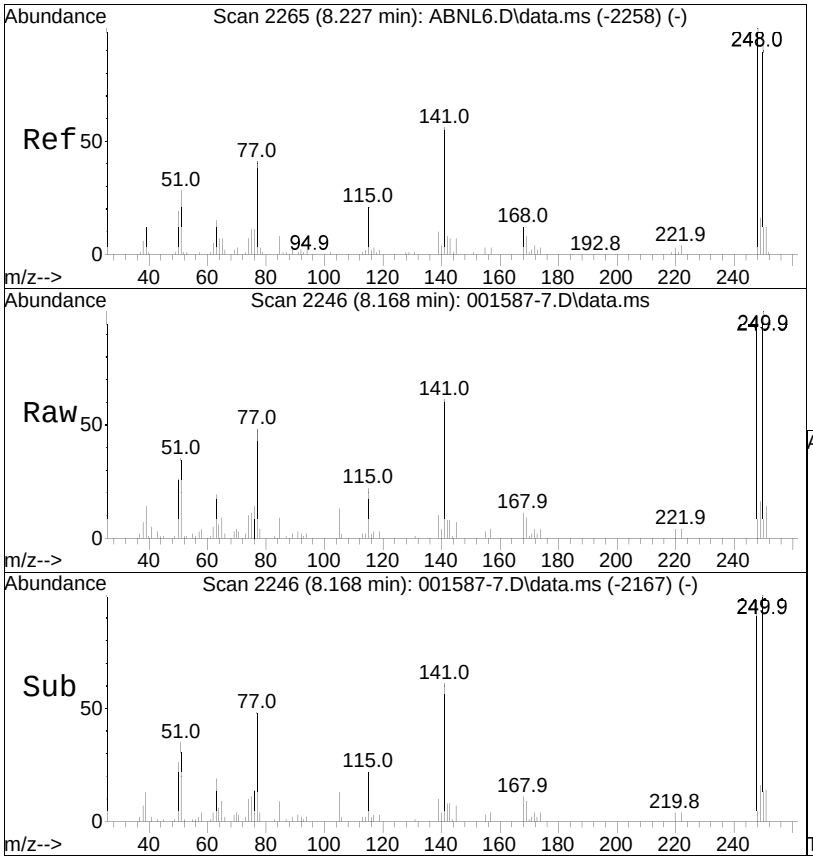


#79
NDPA/DPA
Concen: 1.31 ug/ml
RT: 7.823 min Scan# 2135
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:169 Resp: 29014

Ion	Ratio	Lower	Upper
169	100		
168	74.6	54.0	81.0
167	40.9	28.6	42.8

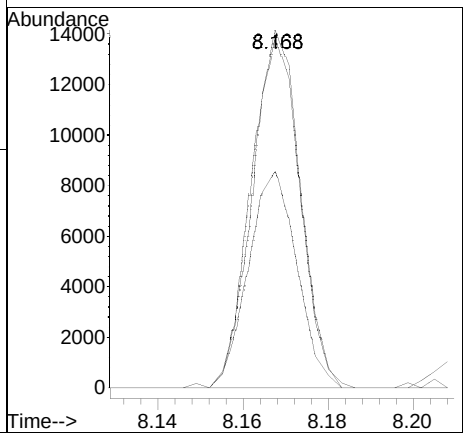


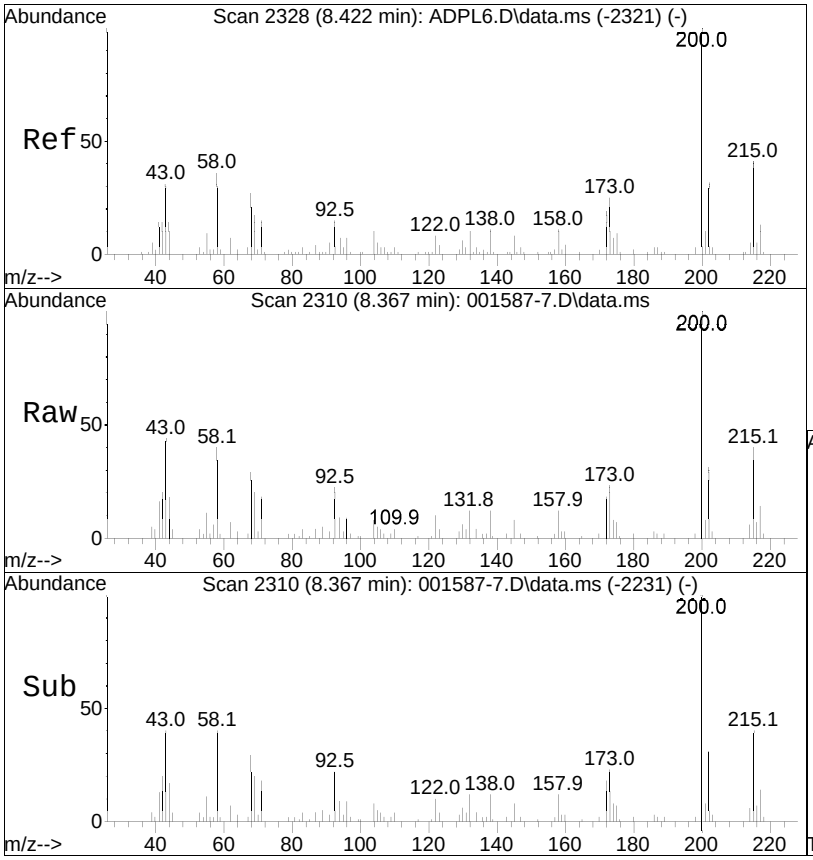


#82
4-Bromophenyl phenyl ether
Concen: 1.27 ug/ml
RT: 8.168 min Scan# 2246
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:248 Resp: 10959

Ion	Ratio	Lower	Upper
248	100		
141	61.8	76.6	114.8#
250	100.2	77.3	115.9

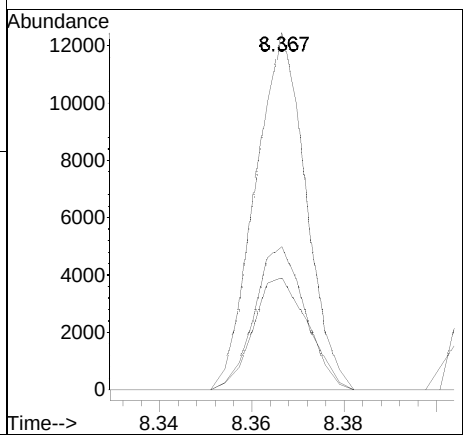


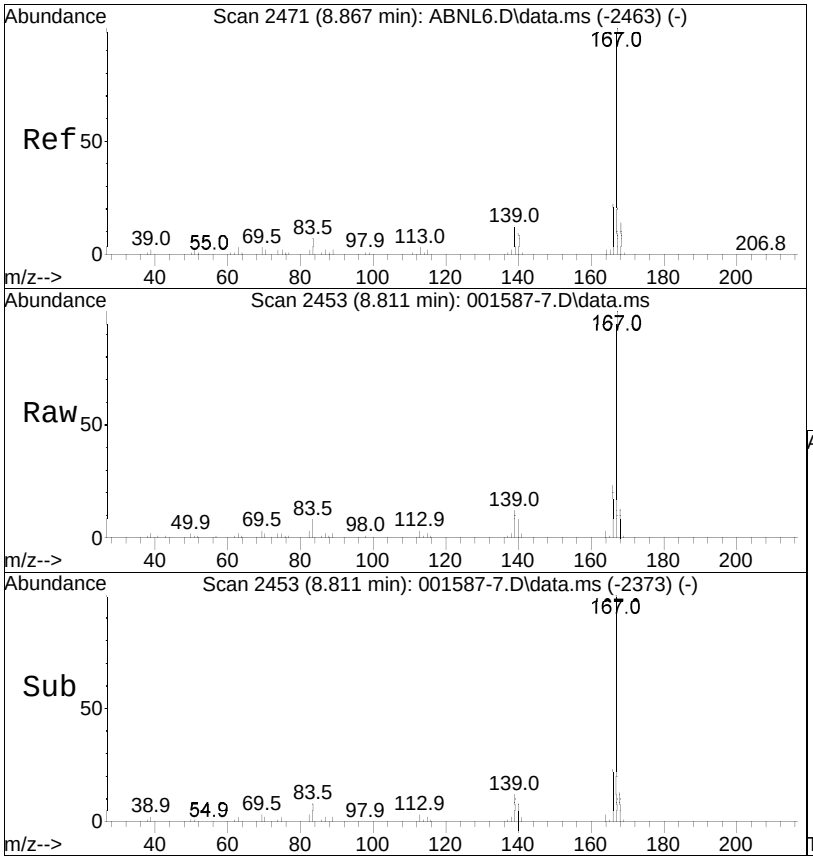


#89
Atrazine
Concen: 1.66 ug/ml
RT: 8.367 min Scan# 2310
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:200 Resp: 9452

Ion	Ratio	Lower	Upper
200	100		
202	33.6	25.8	38.6
215	40.4	40.2	60.4

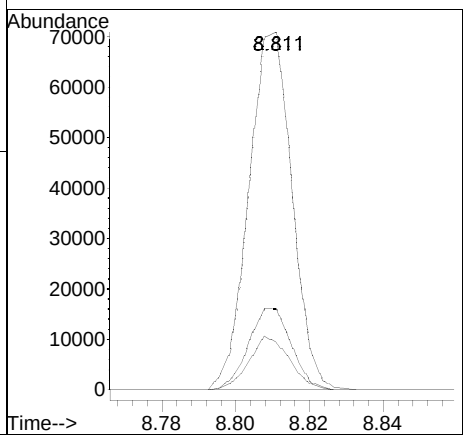


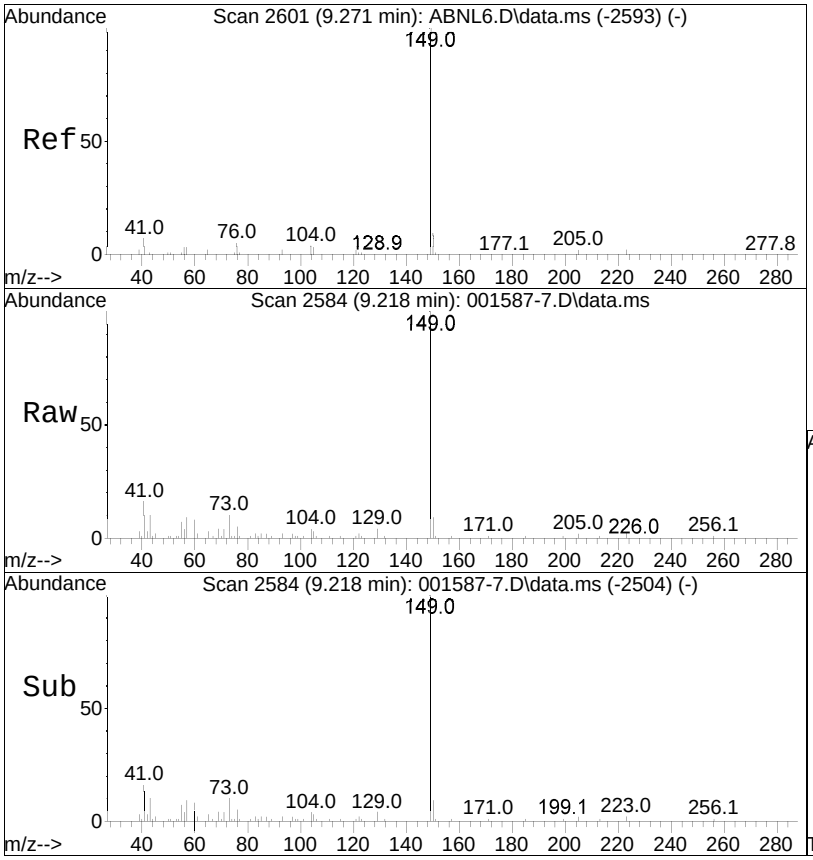


#93
Carbazole
Concen: 1.46 ug/ml
RT: 8.811 min Scan# 2453
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:167 Resp: 57204

Ion	Ratio	Lower	Upper
167	100		
168	14.2	10.6	15.8
166	22.7	17.4	26.0

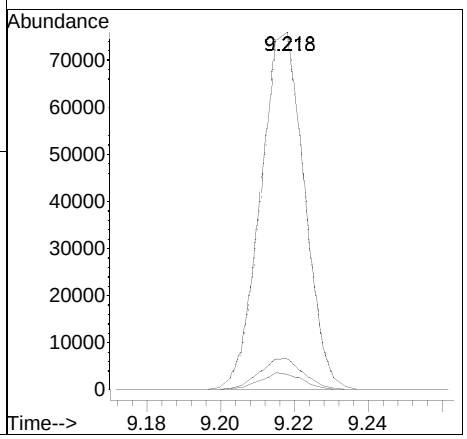


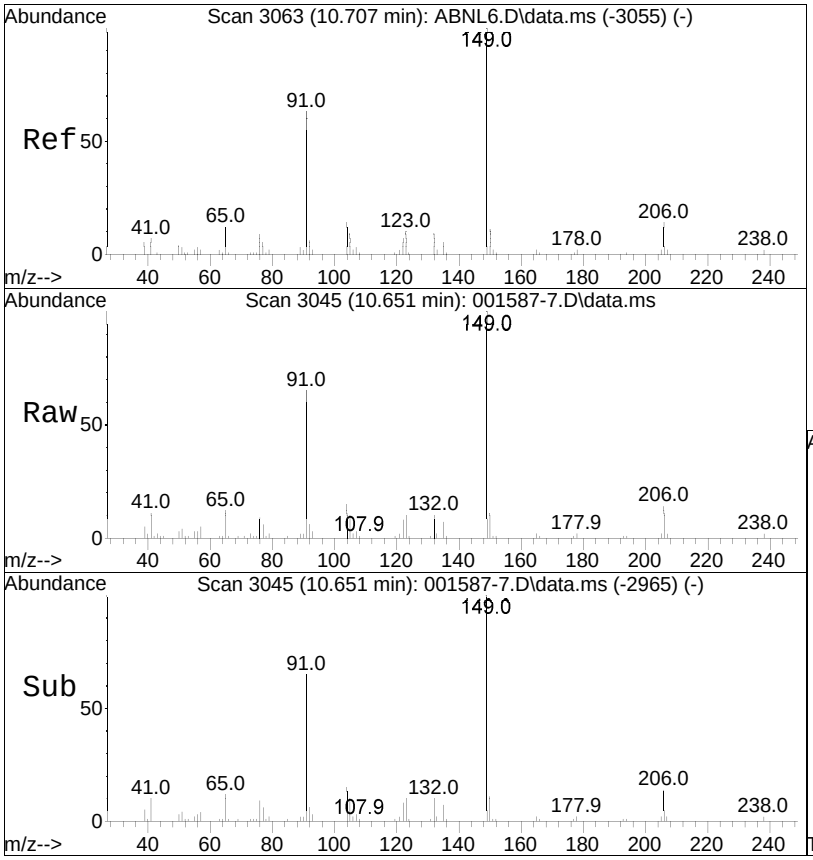


#94
Di-n-butylphthalate
Concen: 1.40 ug/ml
RT: 9.218 min Scan# 2584
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:149 Resp: 61965

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.0	10.6
104	4.4	4.5	6.7#

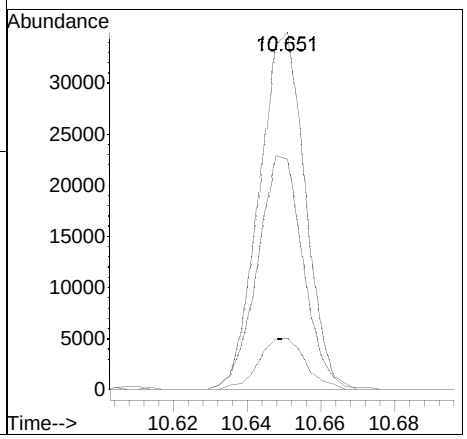


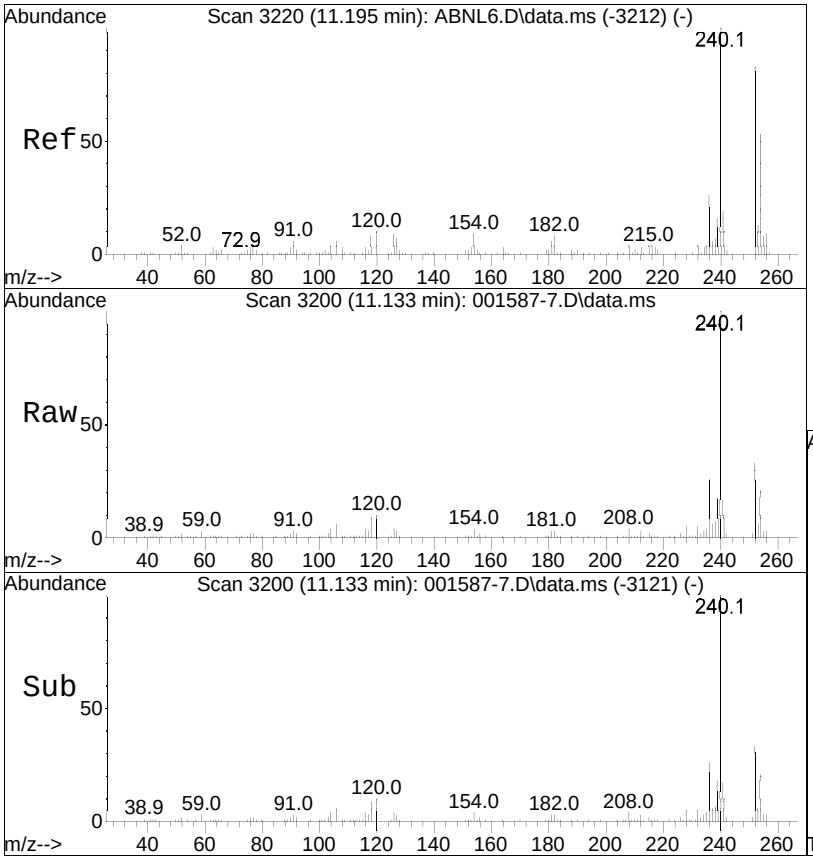


#99
Butyl benzyl phthalate
Concen: 1.58 ug/ml
RT: 10.651 min Scan# 3045
Delta R.T. -0.000 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:149 Resp: 30012

Ion	Ratio	Lower	Upper
149	100		
91	65.3	63.3	94.9
206	14.7	13.9	20.9

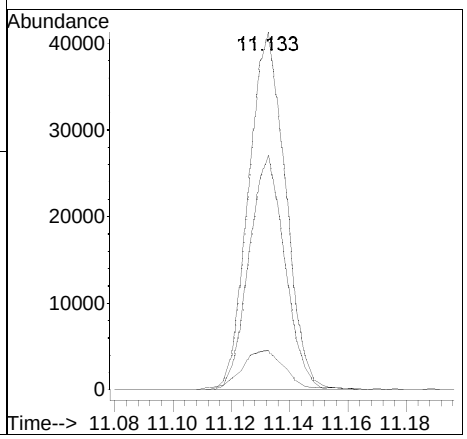


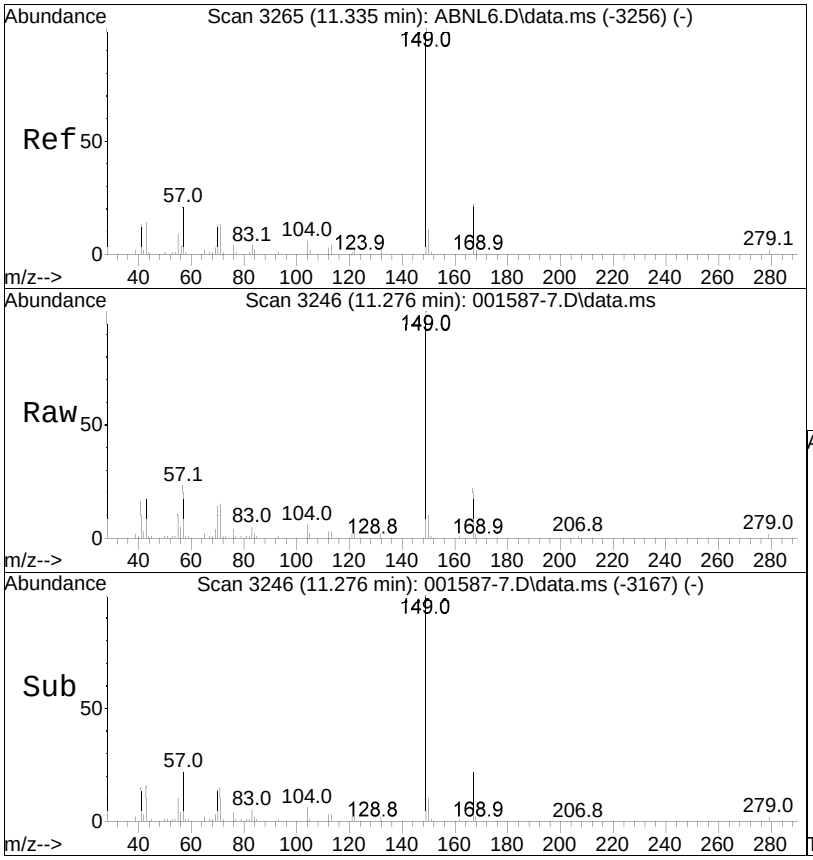


#108
3,3'-Dichlorobenzidine
Concen: 1.67 ug/ml
RT: 11.133 min Scan# 3200
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:252 Resp: 36074

Ion	Ratio	Lower	Upper
252	100		
126	13.7	14.5	21.7#
254	64.0	51.2	76.8

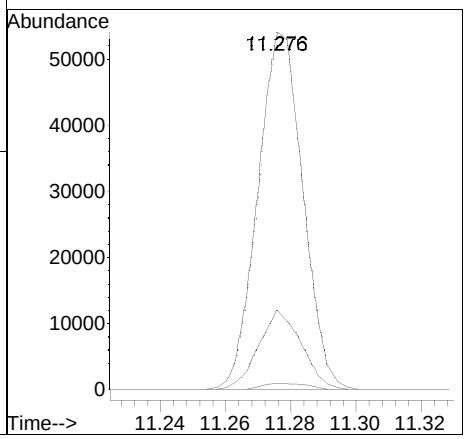


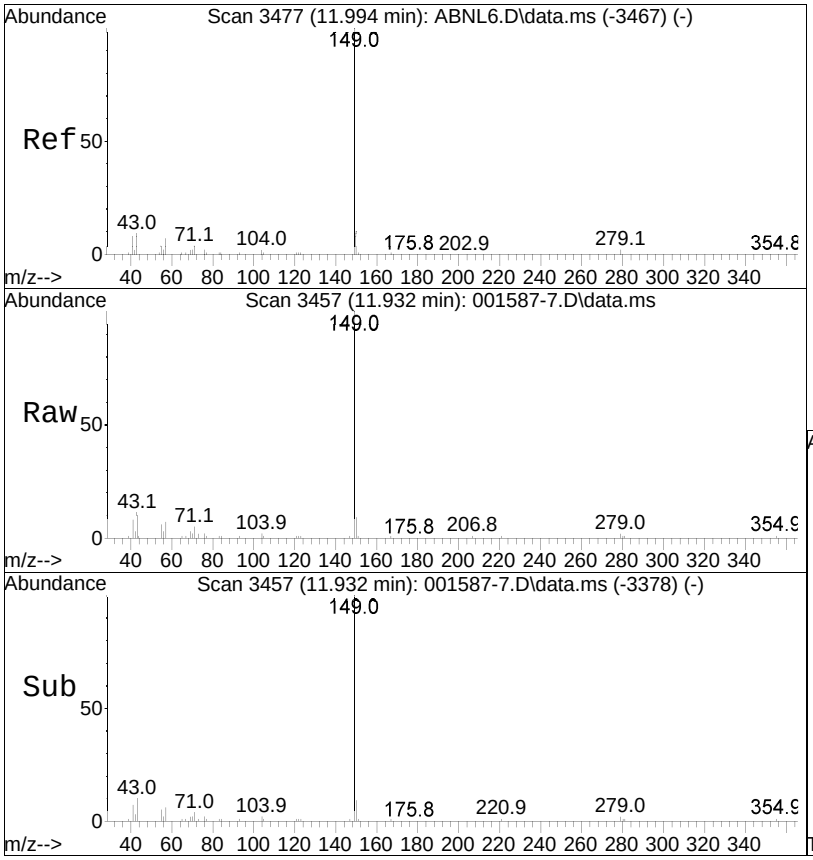


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.66 ug/ml
RT: 11.276 min Scan# 3246
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:149 Resp: 51498

Ion	Ratio	Lower	Upper
149	100		
167	21.2	22.1	33.1#
279	1.6	3.0	4.4#

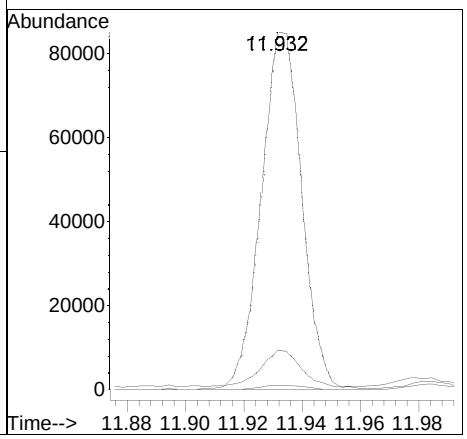




#111
Di-n-octylphthalate
Concen: 1.57 ug/ml
RT: 11.932 min Scan# 3457
Delta R.T. -0.003 min
Lab File: 001587-7.D
Acq: 26 Nov 2024 12:15 am

Tgt Ion:149 Resp: 81309

Ion	Ratio	Lower	Upper
149	100		
43	10.4	18.8	28.2#
167	1.1	1.3	1.9#



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-5.D
Acq On : 26 Nov 2024 1:22 am
Operator : Dakota:smz
Sample : WG2001587-5,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 26 10:07:46 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.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...	4.224	152	24902	4.000	ug/ml		0.00
Standard Area 1 = 40101			Recovery = 62.10%				
27) IS2_1,4-Dichlorobenzen...	4.224	152	24902	4.000	ug/ml		0.00
Standard Area 3 = 22985			Recovery = 108.34%				
37) IS1_Naphthalene-d8	5.464	136	97158	4.000	ug/ml	#	0.00
Standard Area 1 = 159893			Recovery = 60.76%				
57) IS2_Naphthalene-d8	5.464	136	97158	4.000	ug/ml	#	0.00
Standard Area 3 = 87939			Recovery = 110.48%				
65) IS1_Acenaphthene-d10	7.151	164	64552	4.000	ug/ml		0.00
Standard Area 1 = 106227			Recovery = 60.77%				
85) IS2_Acenaphthene-d10	7.151	164	64552	4.000	ug/ml		0.00
Standard Area 3 = 58300			Recovery = 110.72%				
88) IS3_Acenaphthene-d10	7.151	164	64552	4.000	ug/ml		0.00
Standard Area 2 = 54188			Recovery = 119.13%				
90) IS1_Phenanthrene-d10	8.566	188	144468	4.000	ug/ml		0.00
Standard Area 1 = 233287			Recovery = 61.93%				
102) IS3_Phenanthrene-d10	8.566	188	144468	4.000	ug/ml		0.00
Standard Area 2 = 126143			Recovery = 114.53%				
106) IS1_Chrysene-d12	11.127	240	166442	4.000	ug/ml		0.00
Standard Area 1 = 278188			Recovery = 59.83%				
115) IS1_Perylene-d12	12.544	264	199231	4.000	ug/ml		0.00
Standard Area 1 = 327345			Recovery = 60.86%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.927	112	5838	0.912	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.60%				
7) Phenol-d6	3.931	99	5195	0.634	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.70%				
19) Nitrobenzene-d5	4.777	82	6259	0.841	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 84.10%				
48) 2-Fluorobiphenyl	6.536	172	17154	0.713	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.30%				
81) 2,4,6-Tribromophenol	7.910	330	6970	1.511	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 75.55%				
98) 4-Terphenyl-d14	10.132	244	31829	0.761	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.10%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-5.D
Acq On : 26 Nov 2024 1:22 am
Operator : Dakota:smz
Sample : WG2001587-5,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 26 10:07:46 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.535	74	3669	0.935	ug/ml#	84
3) Pyridine	1.610	79	867M1	0.146	ug/ml	
5) Aniline	3.910	93	5309	0.544	ug/ml	96
6) 2-Chlorophenol	4.018	128	9891	1.297	ug/ml	93
8) Phenol	3.941	94	6339	0.717	ug/ml	94
9) Bis(2-chloroethyl)ether	4.000	93	9912	1.565	ug/ml	99
10) 1,3-Dichlorobenzene	4.165	146	12322	1.255	ug/ml	94
11) 1,4-Dichlorobenzene	4.242	146	12670	1.264	ug/ml	95
12) 1,2-Dichlorobenzene	4.388	146	12764	1.336	ug/ml	94
13) Benzyl alcohol	4.395	79	7558	1.305	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.537	45	17535	1.570	ug/ml#	69
15) 2-Methylphenol	4.534	108	7595	1.130	ug/ml	97
17) n-Nitrosodi-n-propylamine	4.668	70	8355	1.556	ug/ml#	87
18) 3-Methylphenol/4-Methy...	4.696	108	7960	1.081	ug/ml	98
20) Nitrobenzene	4.795	77	12264	1.612	ug/ml	94
21) Isophorone	5.038	82	20877	1.492	ug/ml	95
22) 2-Nitrophenol	5.109	139	5630	1.461	ug/ml	91
23) 2,4-Dimethylphenol	5.203	107	6283	0.917	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.287	93	14112	1.619	ug/ml#	95
25) 2,4-Dichlorophenol	5.352	162	12036	1.504	ug/ml#	90
26) 1,2,4-Trichlorobenzene	5.423	180	12823	1.324	ug/ml	97
28) Benzaldehyde	3.788	105	9458	2.160	ug/ml	99
29) Acetophenone	4.637	105	16676	1.909	ug/ml#	80
39) Benzoic Acid	5.268	105	5518	0.998	ug/ml	90
40) 4-Chloroaniline	5.566	65	3612	1.230	ug/ml	99
42) p-Chloro-m-cresol	6.076	107	10161	1.443	ug/ml	94
45) Hexachlorocyclopentadiene	6.334	237	4189	0.634	ug/ml#	91
46) 2,4,6-Trichlorophenol	6.455	196	10056	1.445	ug/ml	98
47) 2,4,5-Trichlorophenol	6.483	196	12035	1.546	ug/ml	97
50) 2-Nitroaniline	6.741	138	8998	1.698	ug/ml#	82
53) Dimethyl phthalate	6.949	163	35270	1.465	ug/ml#	98
55) 2,6-Dinitrotoluene	6.987	165	6885	1.533	ug/ml#	79
62) Caprolactam	5.865	55	2275	0.762	ug/ml#	83
63) 1,2,4,5-Tetrachloroben...	6.331	216	15537	1.549	ug/ml	96
64) Biphenyl	6.623	154	35472	1.735	ug/ml	97
66) 3-Nitroaniline	7.136	138	7268	1.458	ug/ml#	88
68) 2,4-Dinitrophenol	7.238	184	1691	0.557	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-5.D
Acq On : 26 Nov 2024 1:22 am
Operator : Dakota:smz
Sample : WG2001587-5,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 26 10:07:46 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241125NRVT\ABN1125n.D
: 2 - I:\8270\Dakota\241125NRVT\ADP1125n.D
: 3 - I:\8270\Dakota\241125NRVT\AP91125n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	Dibenzofuran	7.350	168	46080	1.423	ug/ml	97
70)	2,4-Dinitrotoluene	7.369	165	9952	1.593	ug/ml#	80
71)	4-Nitrophenol	7.344	65	3248	0.874	ug/ml#	1
73)	2,3,4,6-Tetrachlorophenol	7.490	232	10622	1.538	ug/ml	94
74)	Diethyl phthalate	7.633	149	37647	1.482	ug/ml	97
76)	4-Chlorophenyl phenyl ...	7.705	204	18050	1.413	ug/ml#	87
77)	4-Nitroaniline	7.714	138	8449	1.753	ug/ml#	79
78)	4,6-Dinitro-o-cresol	7.754	198	3513	0.930	ug/ml#	60
79)	NDPA/DPA	7.823	169	31343	1.453	ug/ml	93
80)	Azobenzene	7.854	77	32296	1.563	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.168	248	11941	1.419	ug/ml#	81
87)	Pentachloronitrobenzene	8.423	237	5713	1.898	ug/ml#	76
89)	Atrazine	8.367	200	9915	1.791	ug/ml	94
93)	Carbazole	8.808	167	61426	1.598	ug/ml	98
94)	Di-n-butylphthalate	9.215	149	69562	1.596	ug/ml#	98
96)	Benzidine	9.890	184	1441	0.052	ug/ml#	15
99)	Butyl benzyl phthalate	10.651	149	32637	1.748	ug/ml	86
104)	Parathion	9.364	109	6858	2.423	ug/ml	92
108)	3,3'-Dichlorobenzidine	11.133	252	34340	1.634	ug/ml#	97
110)	Bis(2-ethylhexyl)phtha...	11.279	149	52228	1.728	ug/ml#	87
111)	Di-n-octylphthalate	11.935	149	88730	1.760	ug/ml#	74

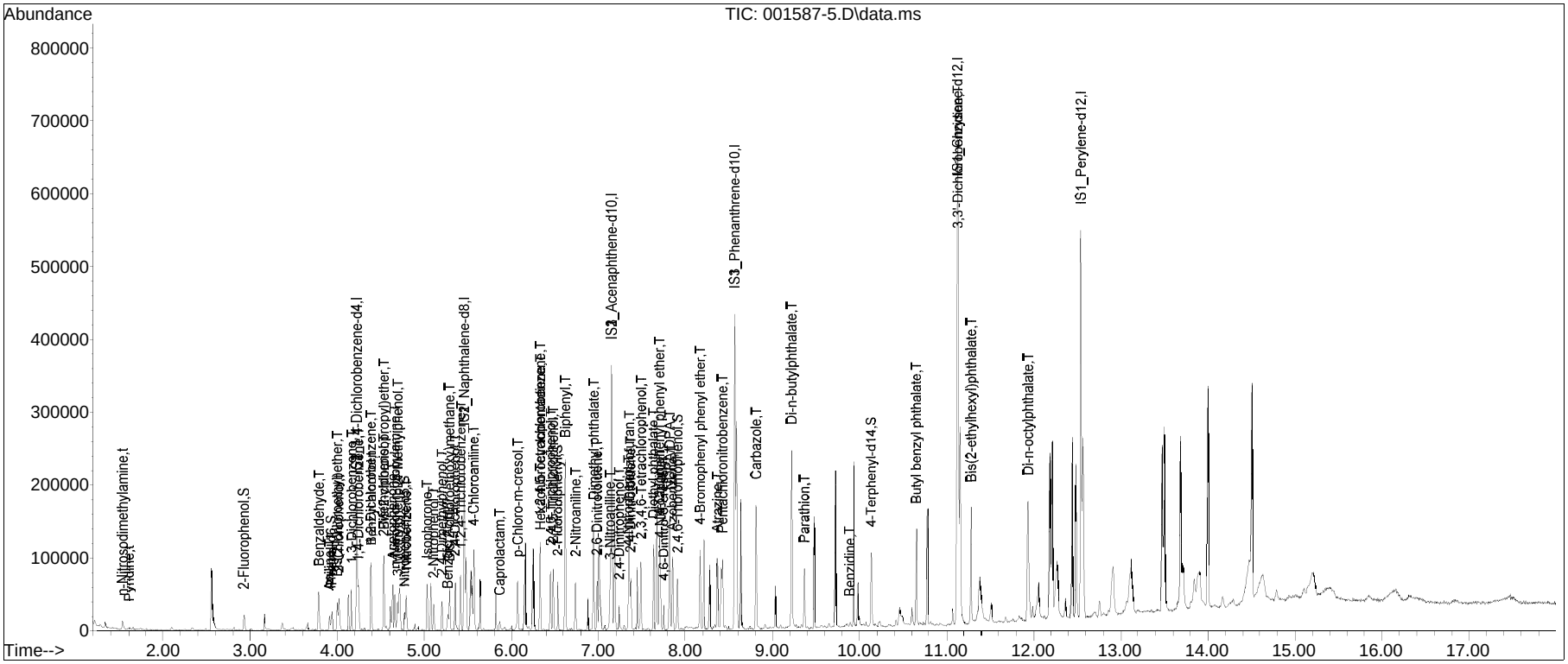
(#) = qualifier out of range (m) = manual integration (+) = signals summed

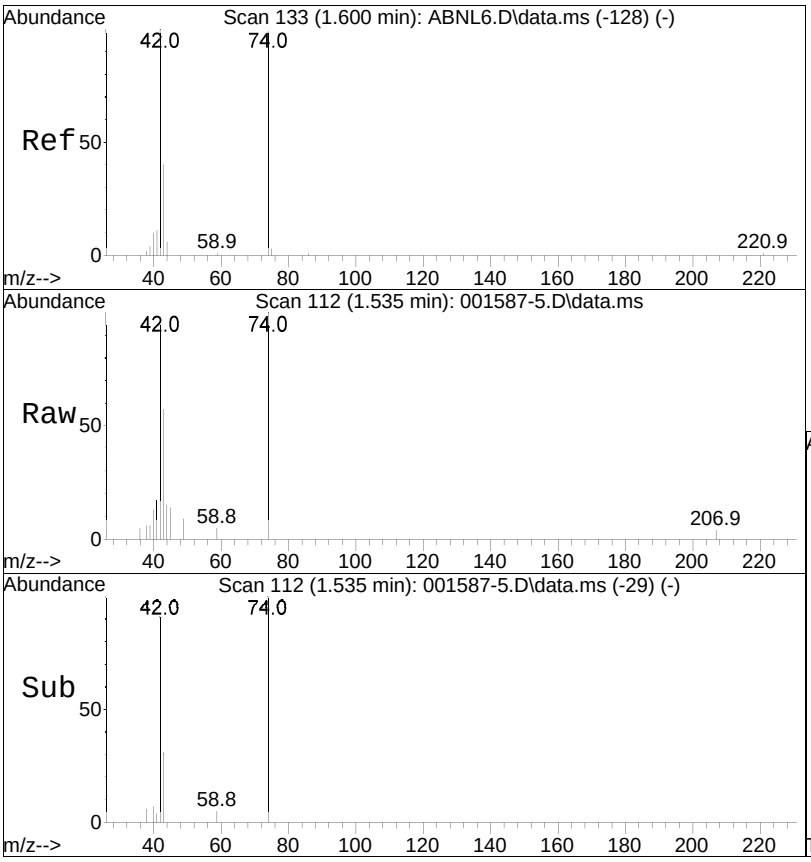
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241125NRVT\
Data File : 001587-5.D
Acq On : 26 Nov 2024 1:22 am
Operator : Dakota:smz
Sample : WG2001587-5,32,,ASK
Misc : WG2002259,WG2001587,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 26 10:07:46 2024
Quant Method : I:\8270\Dakota\241125NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 25 21:56:56 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91125n.D•

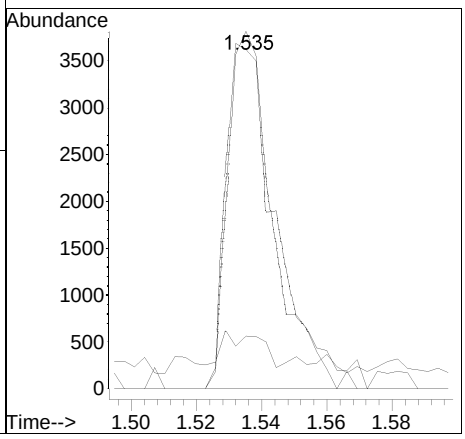


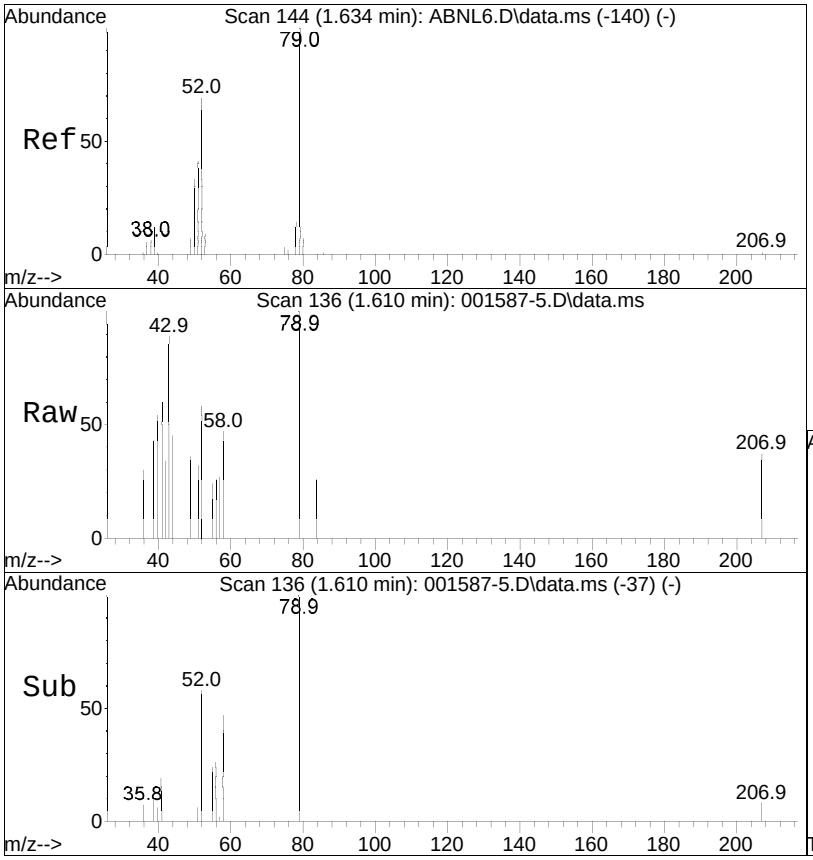


#2
n-Nitrosodimethylamine
Concen: 0.94 ug/ml
RT: 1.535 min Scan# 112
Delta R.T. 0.009 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 74 Resp: 3669

Ion	Ratio	Lower	Upper
74	100		
42	107.8	100.0	150.0
44	0.0	6.7	10.1#

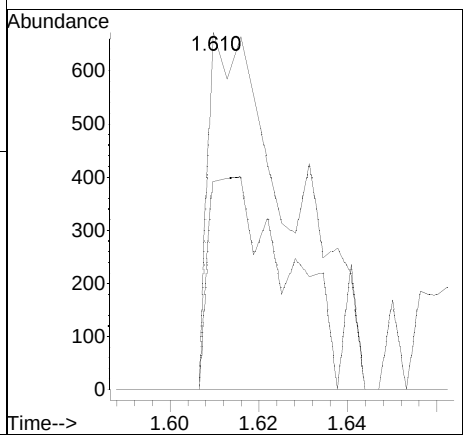


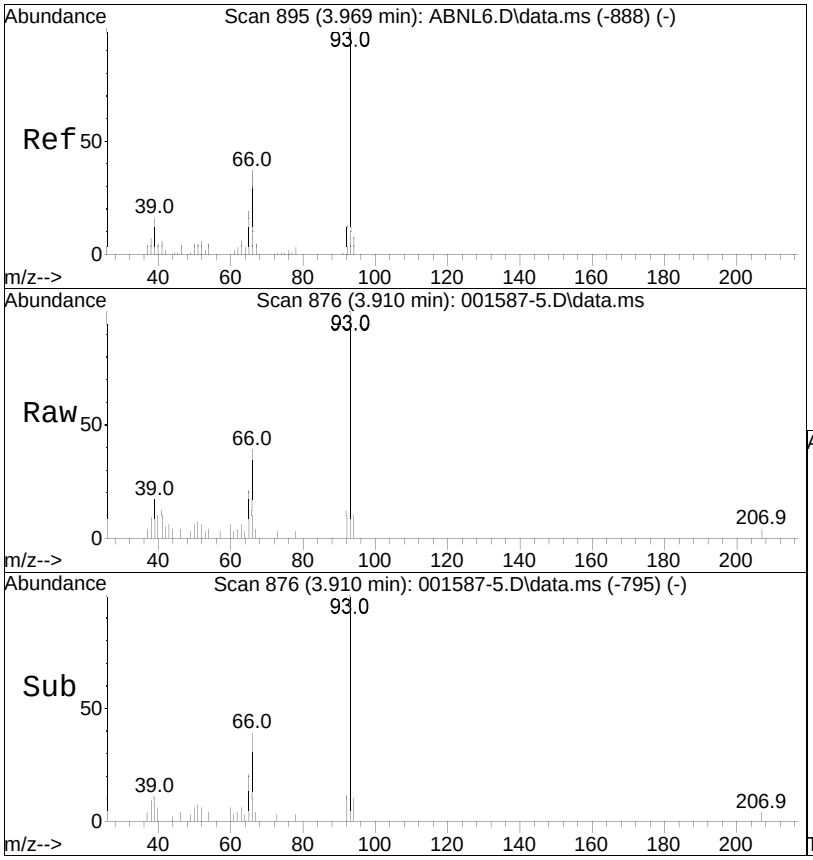


#3
Pyridine
Concen: 0.15 ug/ml M1
RT: 1.610 min Scan# 136
Delta R.T. 0.059 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 79 Resp: 867

Ion	Ratio	Lower	Upper
79	100		
52	61.6	93.1	139.7#

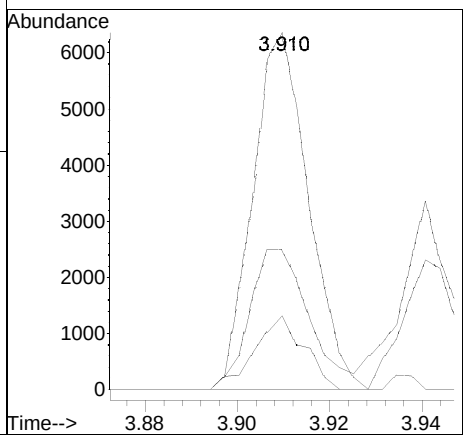


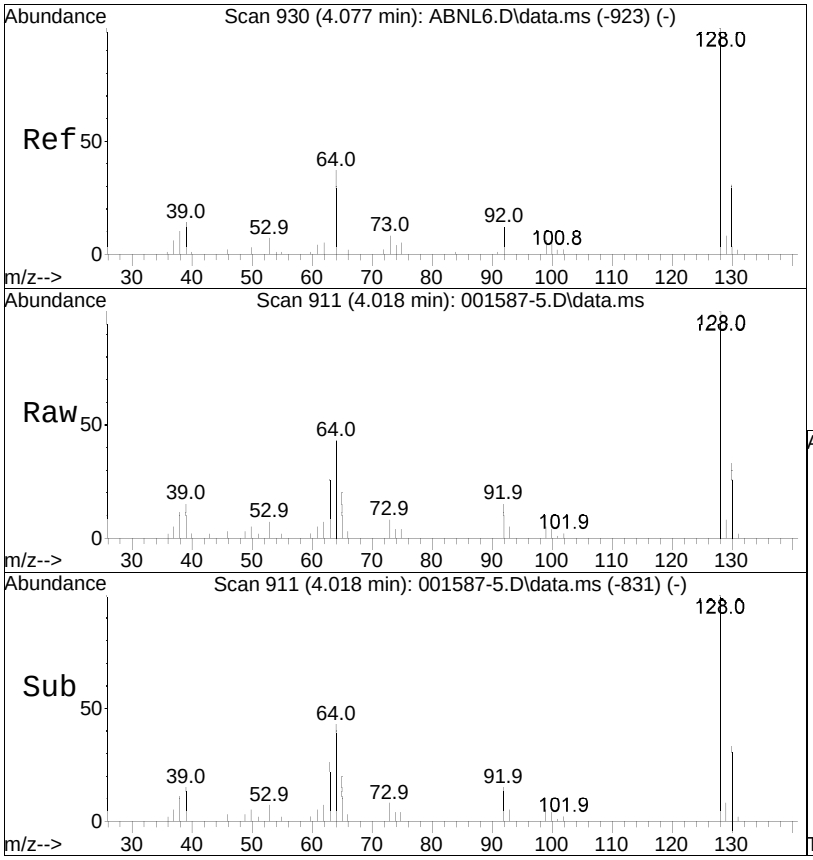


#5
Aniline
Concen: 0.54 ug/ml
RT: 3.910 min Scan# 876
Delta R.T. 0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 93 Resp: 5309

Ion	Ratio	Lower	Upper
93	100		
66	42.2	32.6	49.0
65	18.5	17.6	26.4

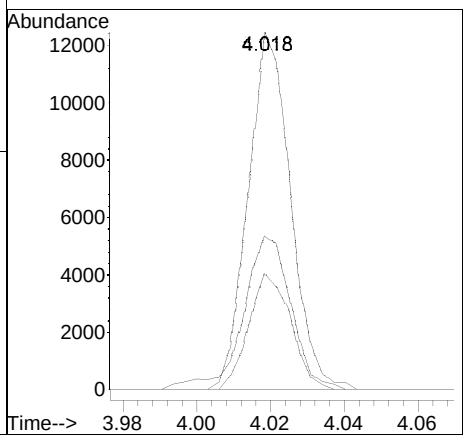


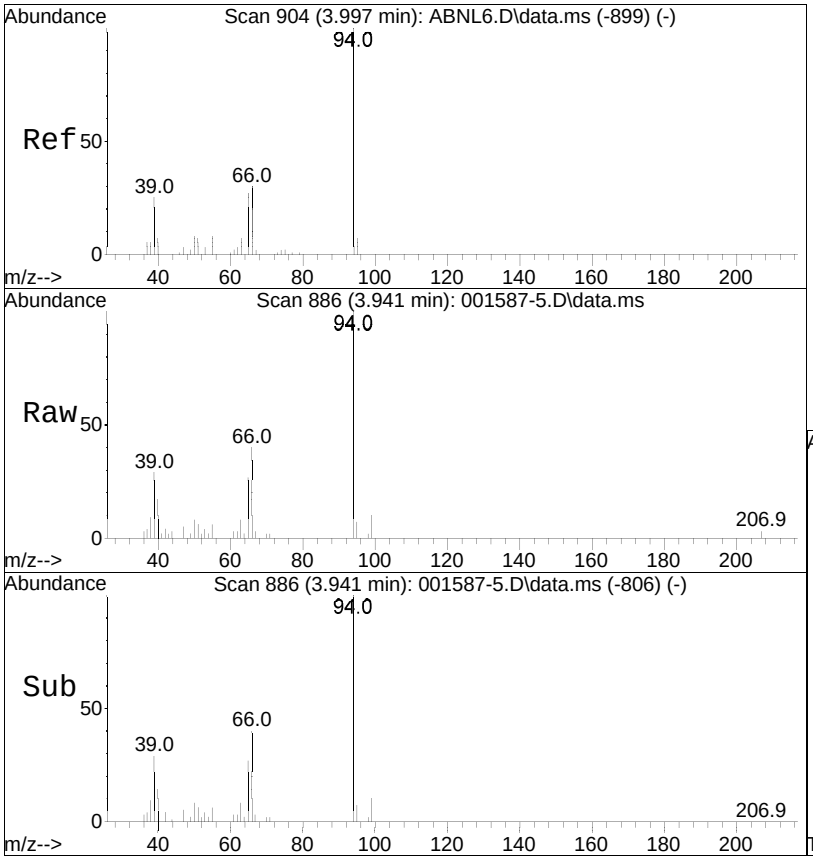


#6
2-Chlorophenol
Concen: 1.30 ug/ml
RT: 4.018 min Scan# 911
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:128 Resp: 9891

Ion	Ratio	Lower	Upper
128	100		
64	48.4	45.1	67.7
130	32.3	26.2	39.4

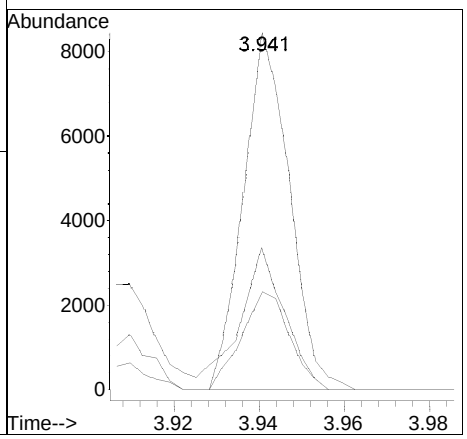


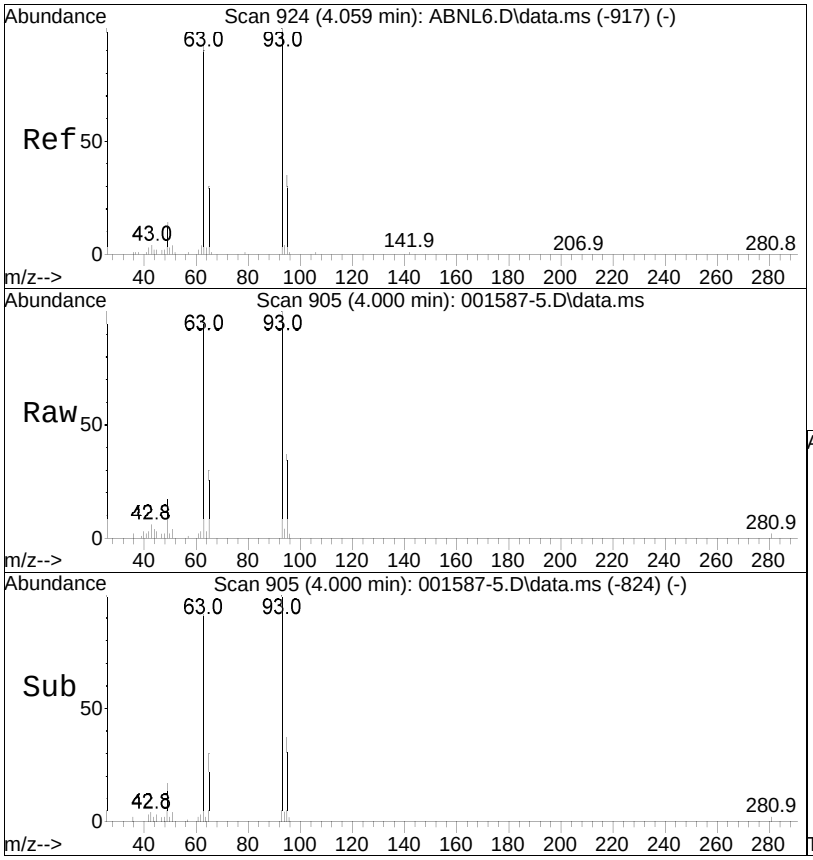


#8
Phenol
Concen: 0.72 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 94 Resp: 6339

Ion	Ratio	Lower	Upper
94	100		
65	28.8	26.0	39.0
66	38.8	33.8	50.8

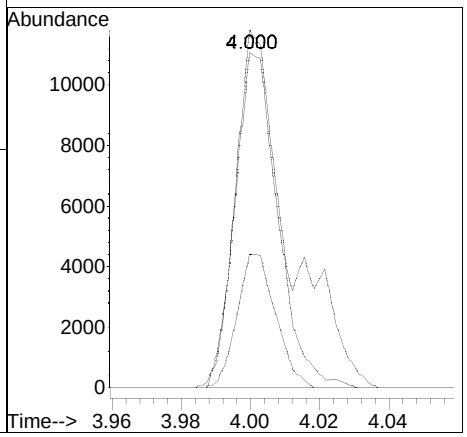


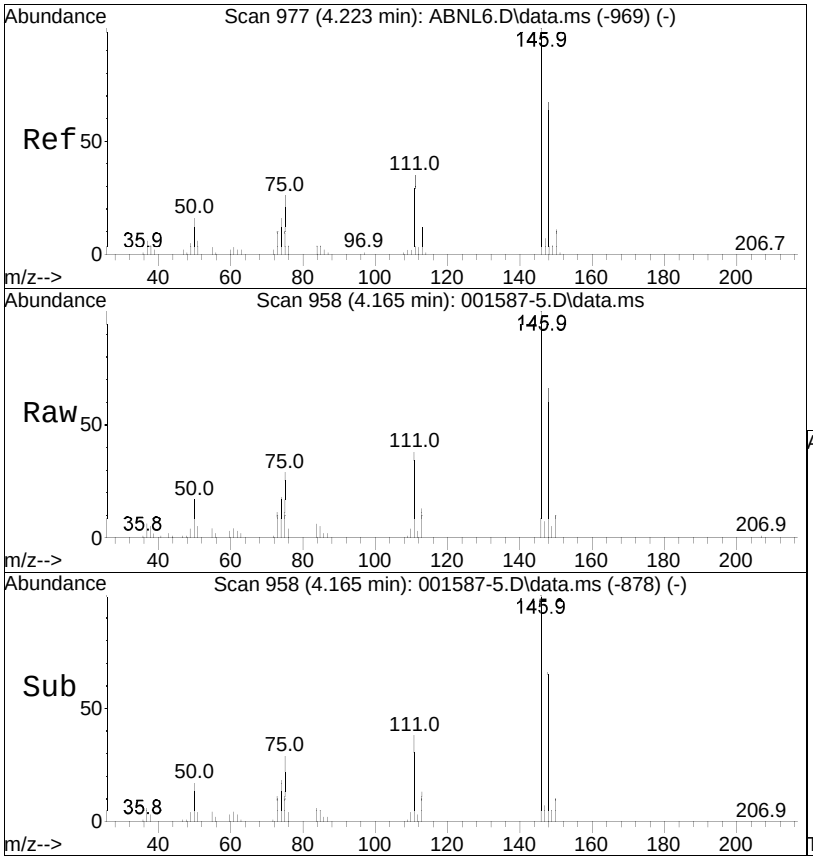


#9
Bis(2-chloroethyl)ether
Concen: 1.57 ug/ml
RT: 4.000 min Scan# 905
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 93 Resp: 9912

Ion	Ratio	Lower	Upper
93	100		
63	92.6	74.6	111.8
95	34.4	25.9	38.9

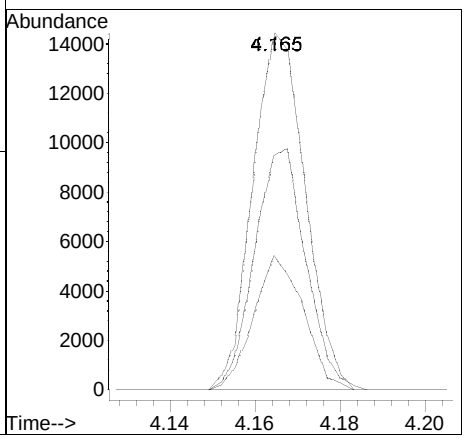


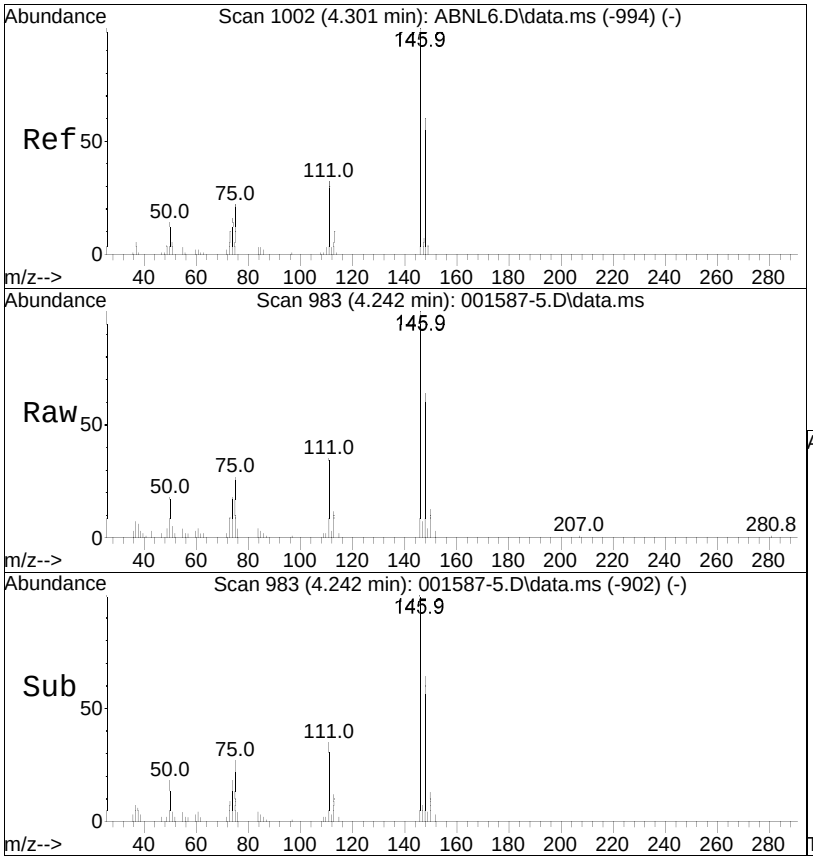


#10
1,3-Dichlorobenzene
Concen: 1.26 ug/ml
RT: 4.165 min Scan# 958
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:146 Resp: 12322

Ion	Ratio	Lower	Upper
146	100		
111	35.8	34.3	51.5
148	66.0	50.8	76.2

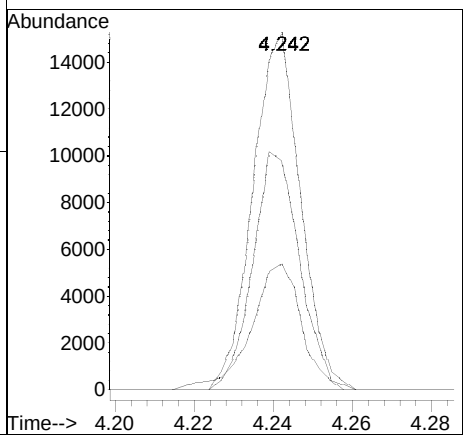


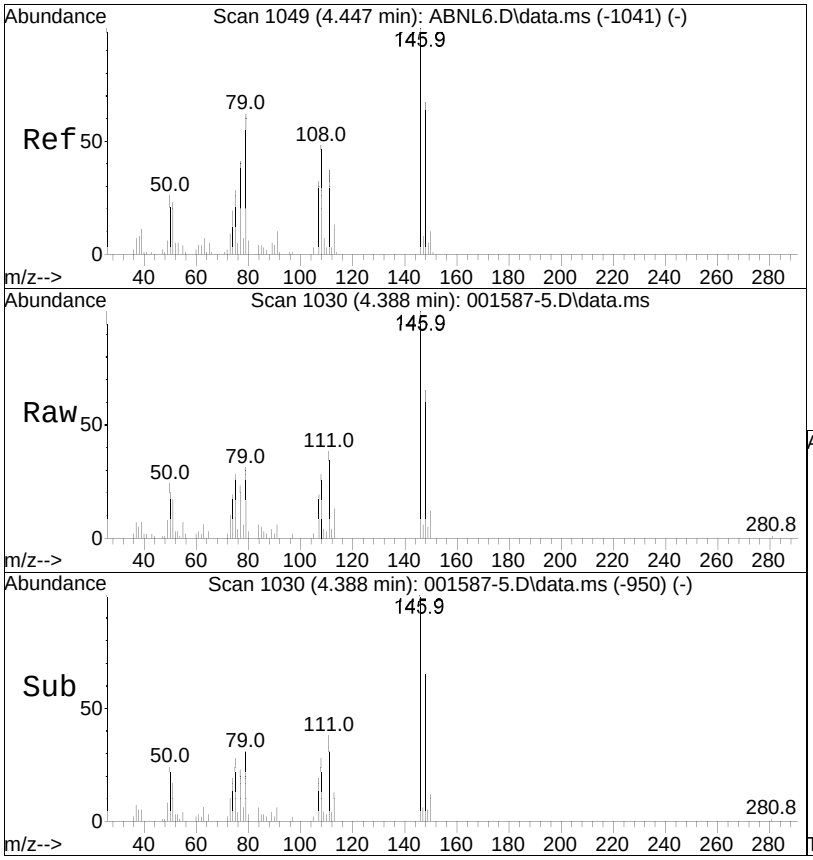


#11
1,4-Dichlorobenzene
Concen: 1.26 ug/ml
RT: 4.242 min Scan# 983
Delta R.T. 0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:146 Resp: 12670

Ion	Ratio	Lower	Upper
146	100		
148	65.7	50.7	76.1
111	37.4	33.4	50.0

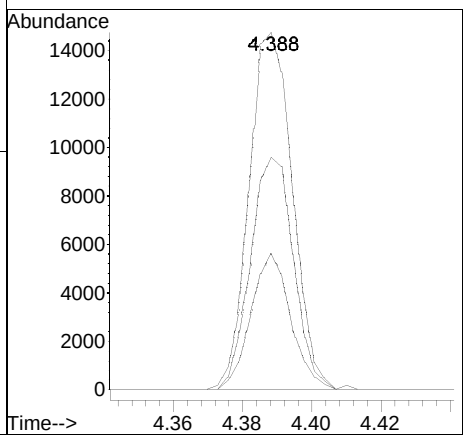


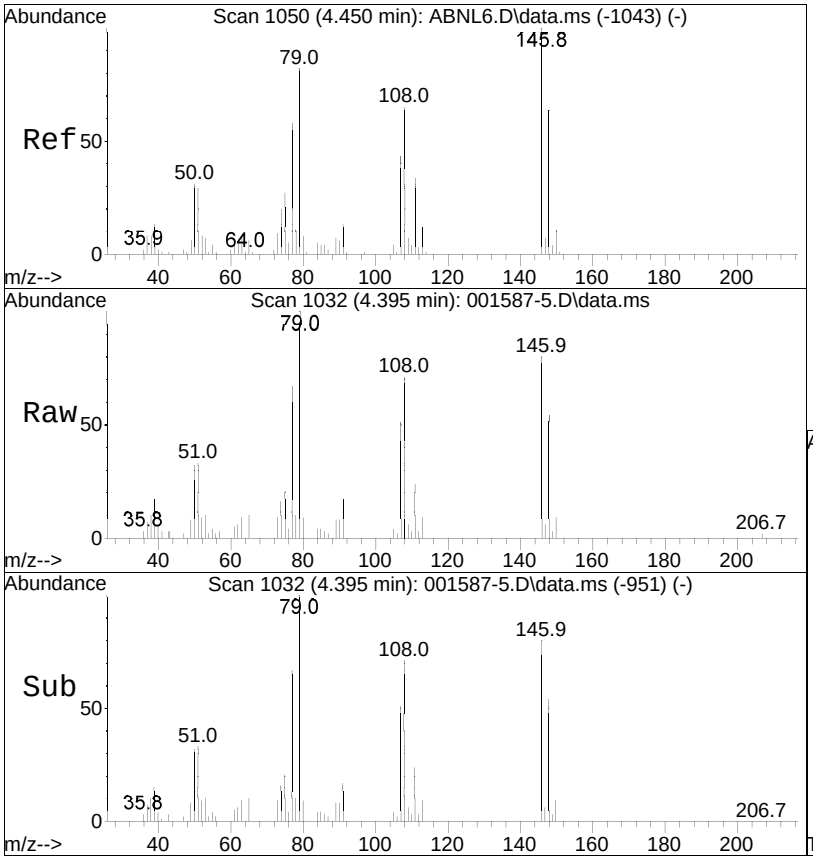


#12
1,2-Dichlorobenzene
Concen: 1.34 ug/ml
RT: 4.388 min Scan# 1030
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:146 Resp: 12764

Ion	Ratio	Lower	Upper
146	100		
111	35.1	34.6	52.0
148	64.4	50.2	75.4

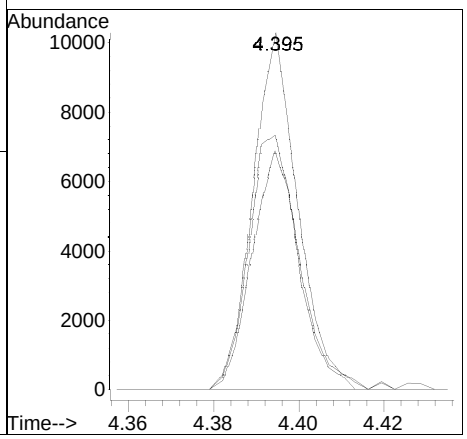


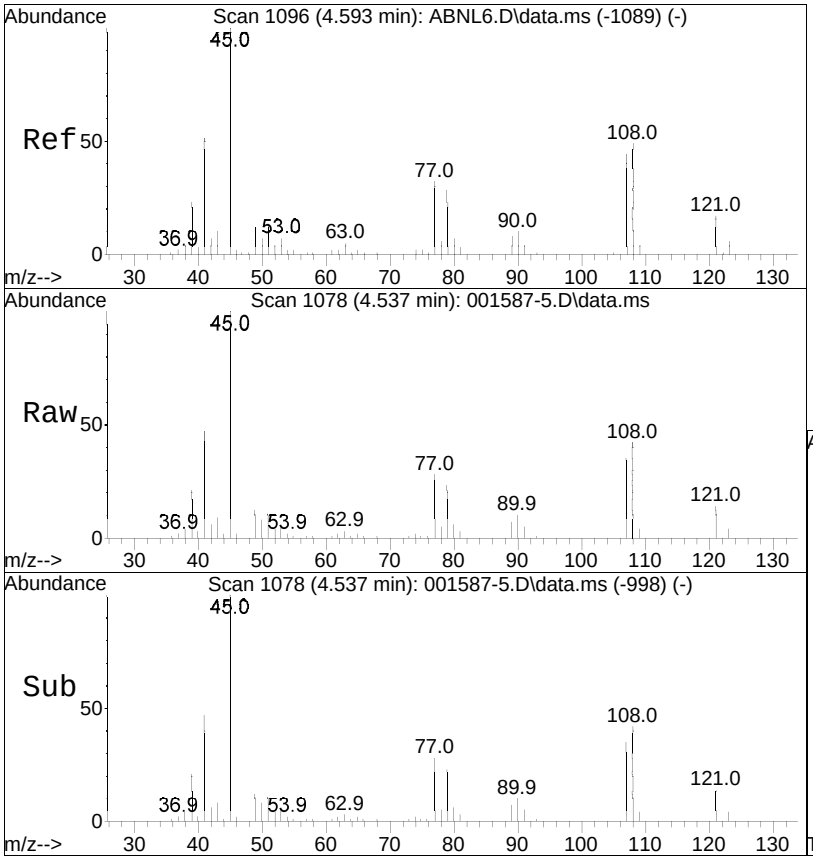


#13
Benzyl alcohol
Concen: 1.31 ug/ml
RT: 4.395 min Scan# 1032
Delta R.T. 0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 79 Resp: 7558

Ion	Ratio	Lower	Upper
79	100		
77	70.1	54.9	82.3
108	79.9	63.1	94.7

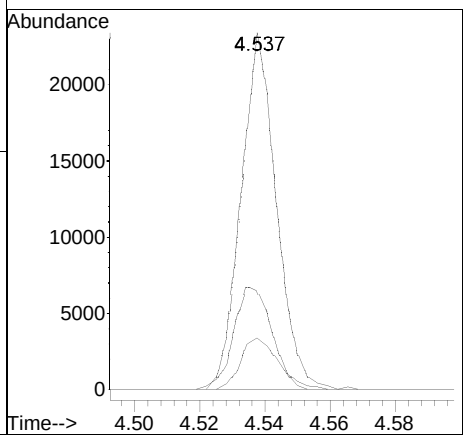


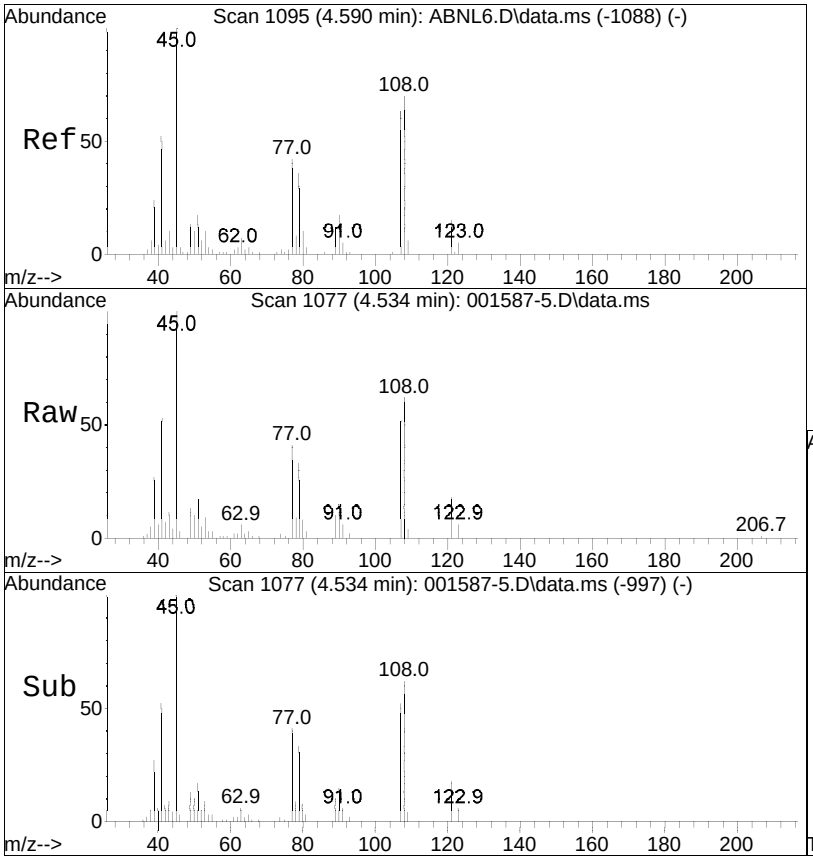


#14
Bis(2-chloroisopropyl)ether
Concen: 1.57 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 45 Resp: 17535

Ion	Ratio	Lower	Upper
45	100		
121	14.9	9.8	14.6#
77	32.0	6.1	9.1#

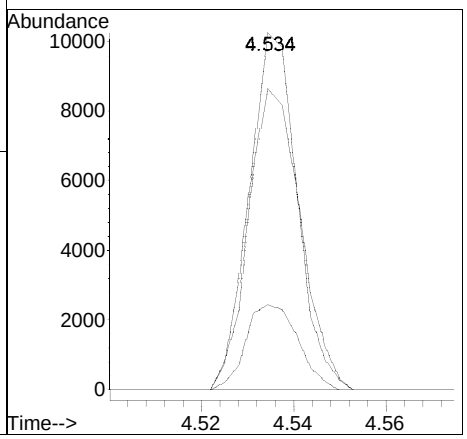


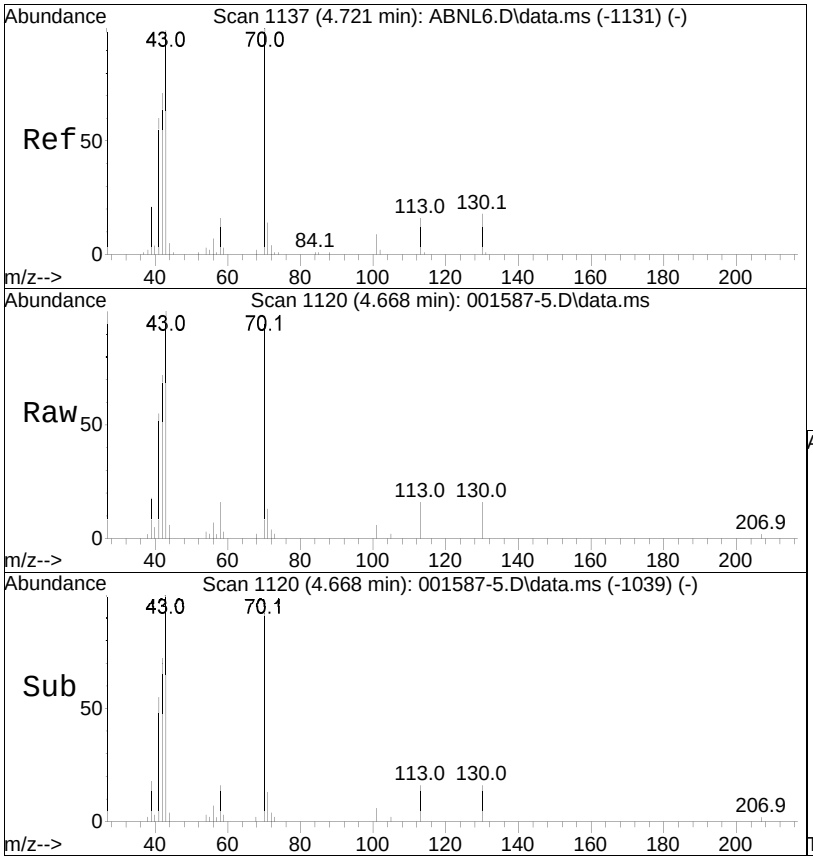


#15
2-Methylphenol
Concen: 1.13 ug/ml
RT: 4.534 min Scan# 1077
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:108 Resp: 7595

Ion	Ratio	Lower	Upper
108	100		
107	86.4	70.7	106.1
90	25.3	18.7	28.1

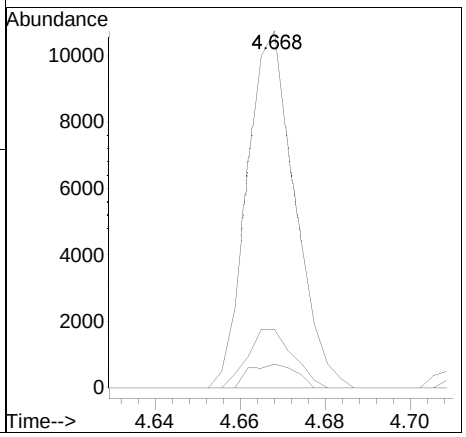


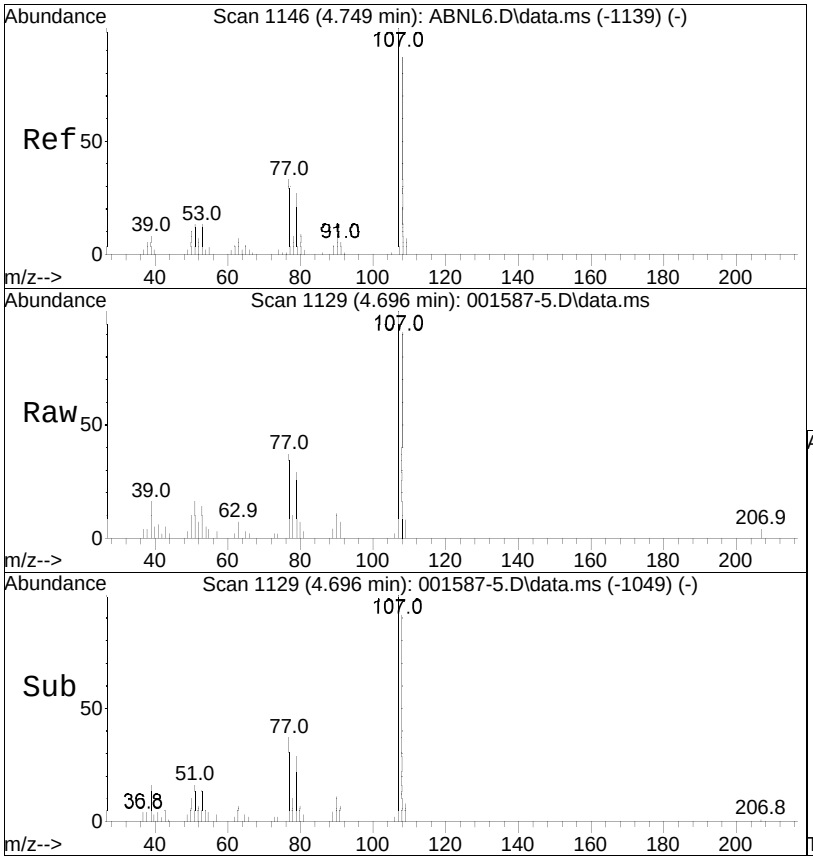


#17
n-Nitrosodi-n-propylamine
Concen: 1.56 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 70 Resp: 8355

Ion	Ratio	Lower	Upper
70	100		
130	15.6	18.2	27.4#
101	6.5	7.8	11.8#

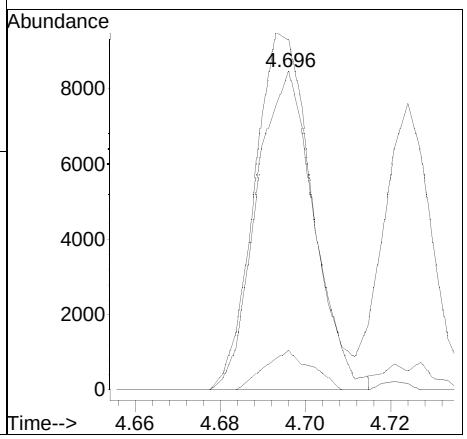


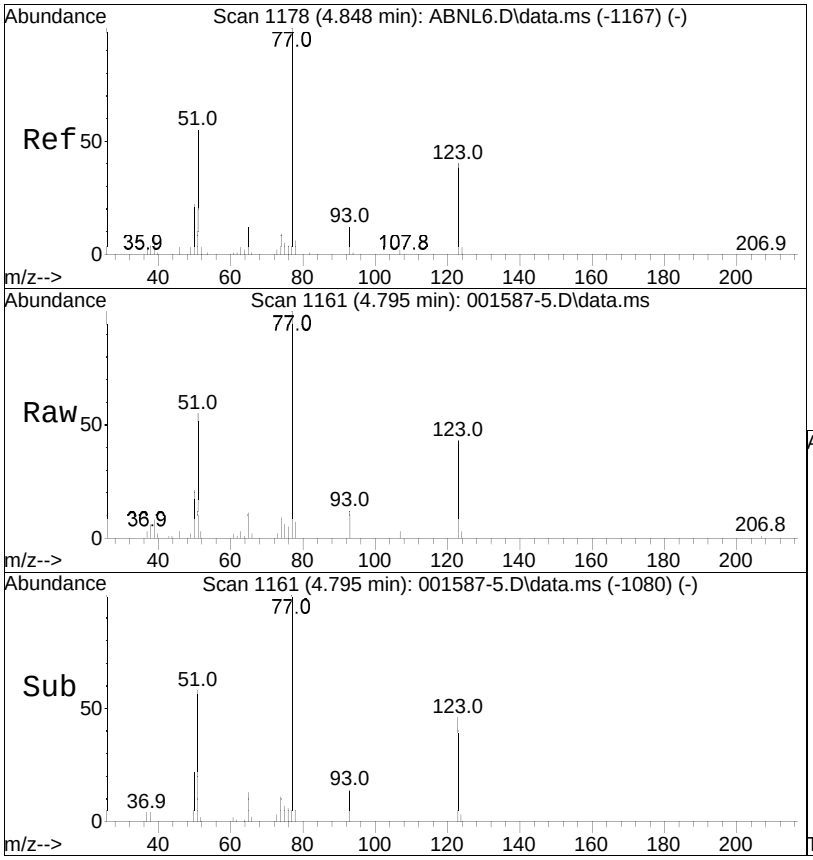


#18
3-Methylphenol/4-Methylphenol
Concen: 1.08 ug/ml
RT: 4.696 min Scan# 1129
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:108 Resp: 7960

Ion	Ratio	Lower	Upper
108	100		
107	112.4	88.6	132.8
90	10.0	8.8	13.2

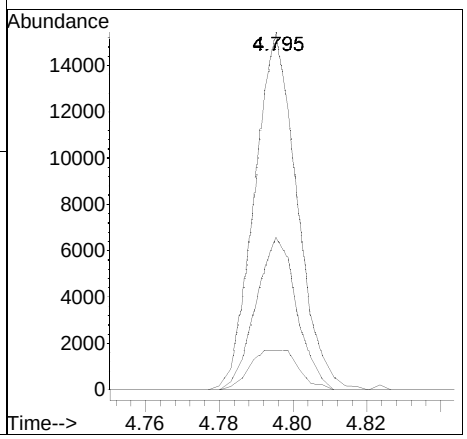


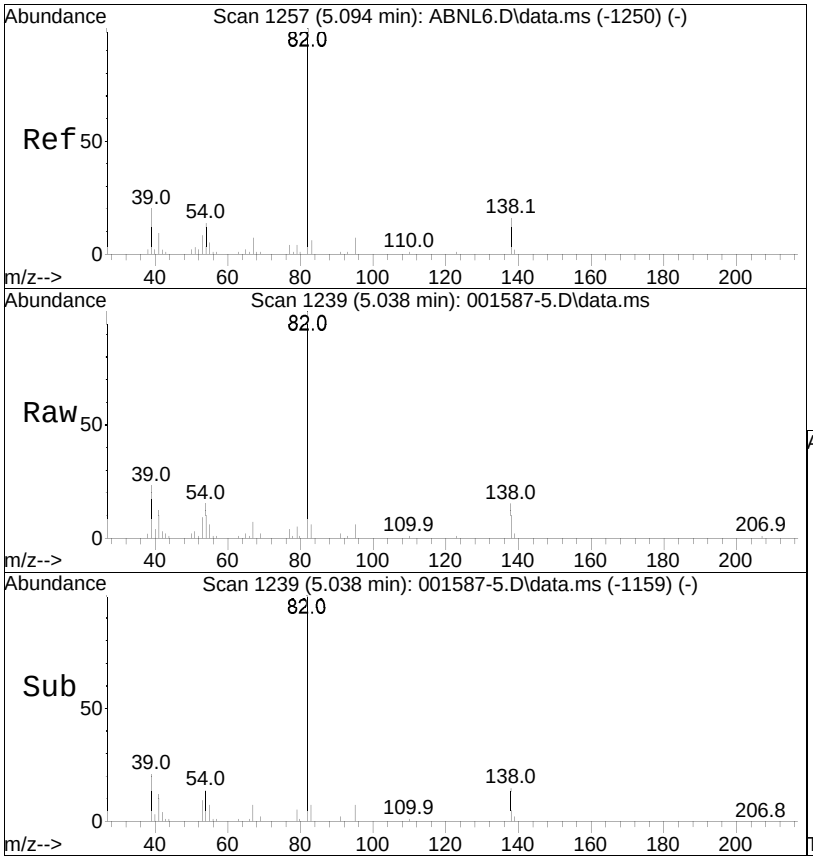


#20
Nitrobenzene
Concen: 1.61 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 77 Resp: 12264

Ion	Ratio	Lower	Upper
77	100		
123	41.2	36.3	54.5
65	12.7	11.6	17.4

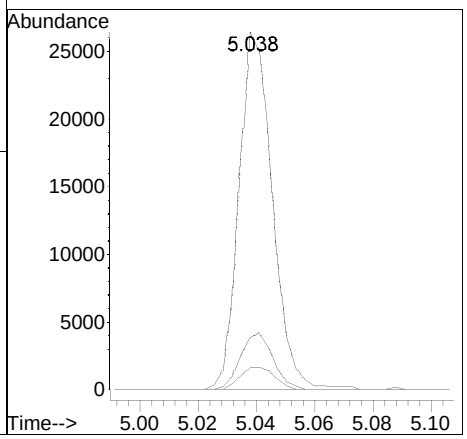


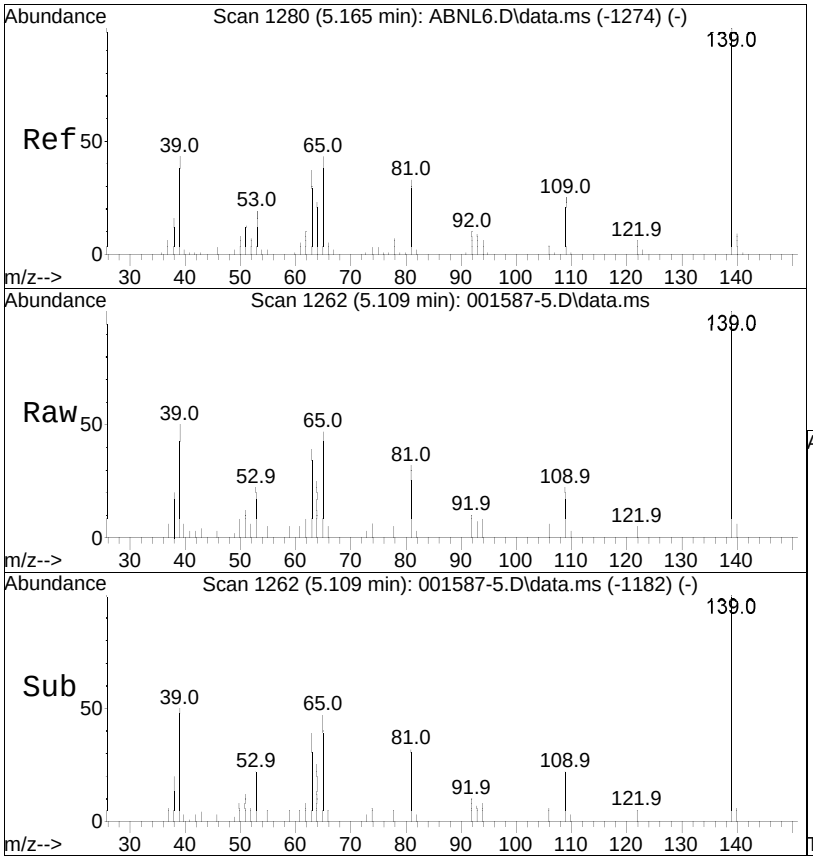


#21
Isophorone
Concen: 1.49 ug/ml
RT: 5.038 min Scan# 1239
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 82 Resp: 20877

Ion	Ratio	Lower	Upper
82	100		
138	15.5	14.7	22.1
95	6.5	5.2	7.8

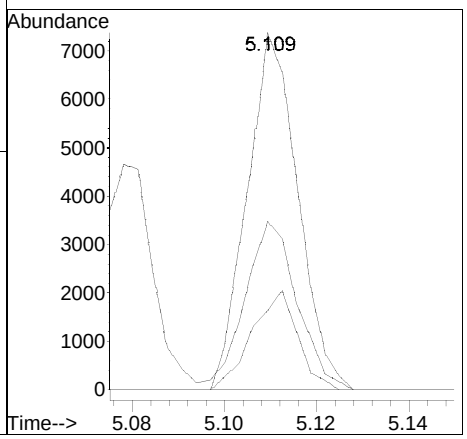


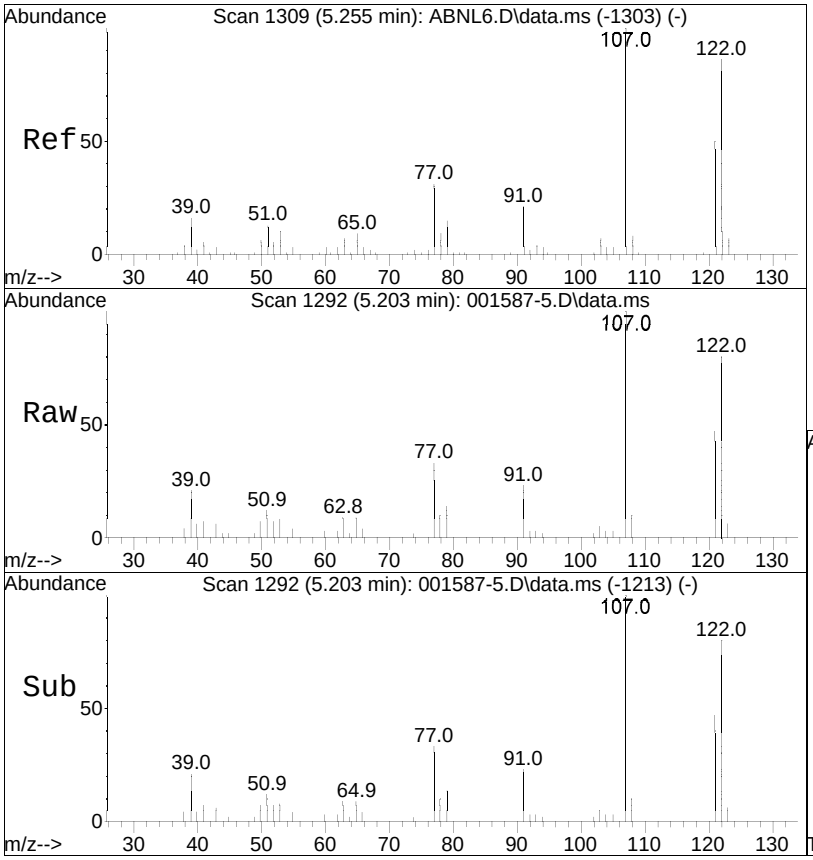


#22
2-Nitrophenol
Concen: 1.46 ug/ml
RT: 5.109 min Scan# 1262
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:139 Resp: 5630

Ion	Ratio	Lower	Upper
139	100		
109	25.2	19.4	29.0
65	48.8	46.1	69.1

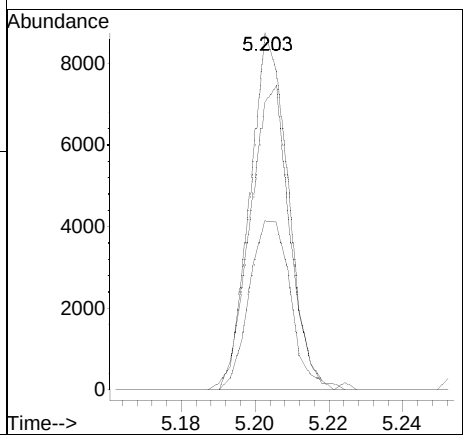


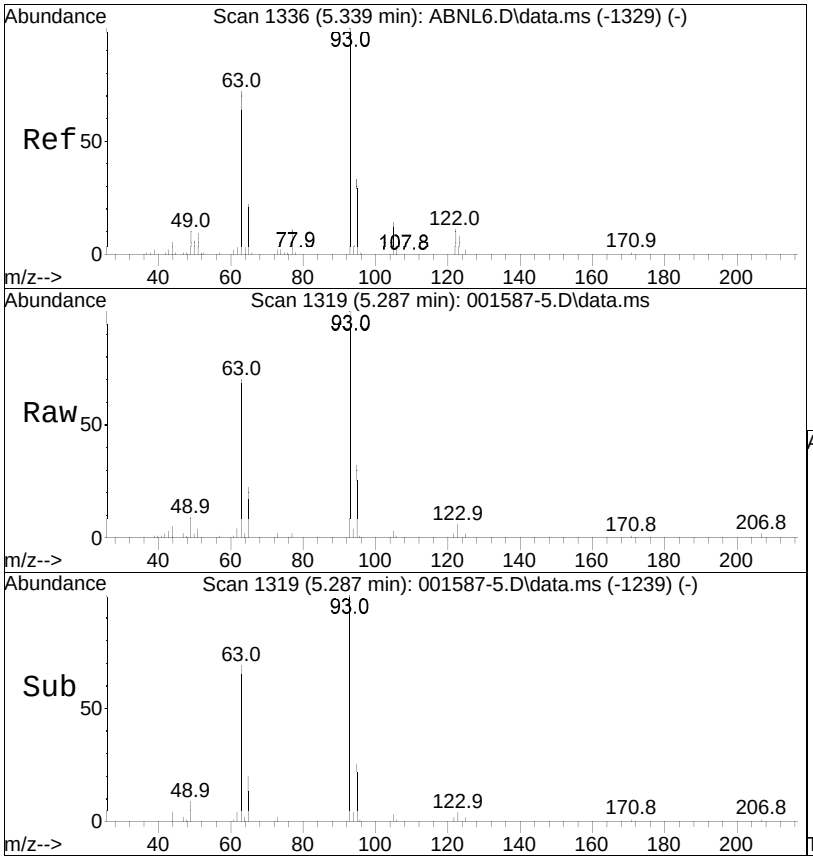


#23
2,4-Dimethylphenol
Concen: 0.92 ug/ml
RT: 5.203 min Scan# 1292
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:107 Resp: 6283

Ion	Ratio	Lower	Upper
107	100		
121	50.9	40.0	60.0
122	87.5	70.2	105.4

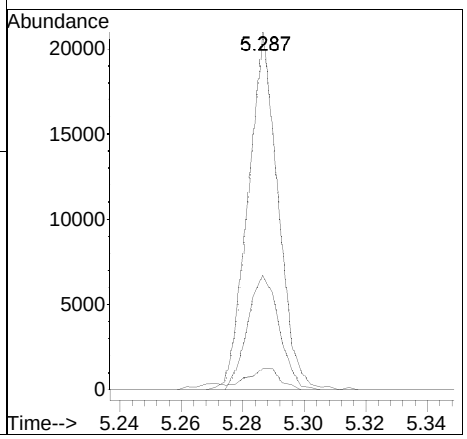


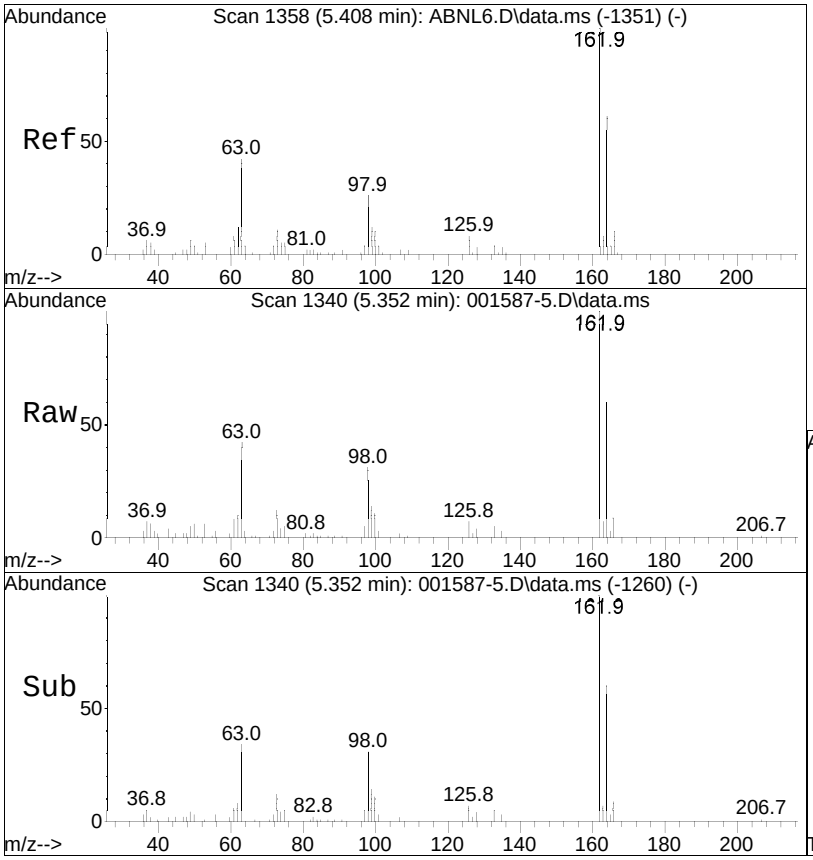


#24
Bis(2-chloroethoxy)methane
Concen: 1.62 ug/ml
RT: 5.287 min Scan# 1319
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 93 Resp: 14112

Ion	Ratio	Lower	Upper
93	100		
95	34.0	25.8	38.8
123	8.5	10.1	15.1#

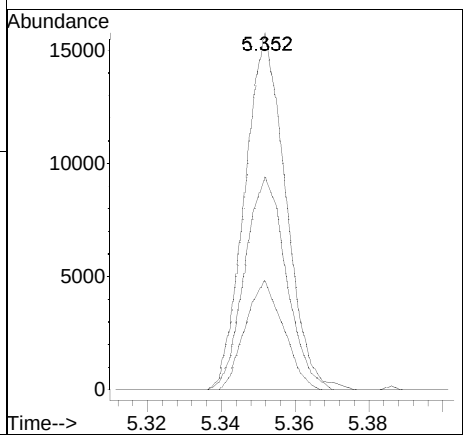


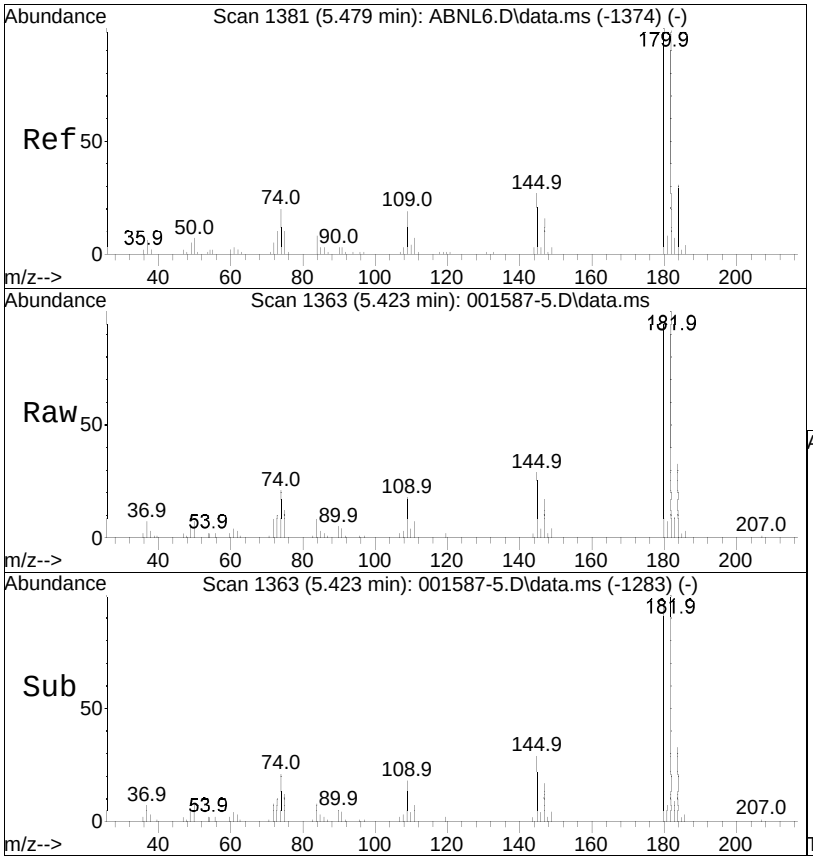


#25
2,4-Dichlorophenol
Concen: 1.50 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:162 Resp: 12036

Ion	Ratio	Lower	Upper
162	100		
164	60.5	51.0	76.4
98	28.7	32.2	48.2#

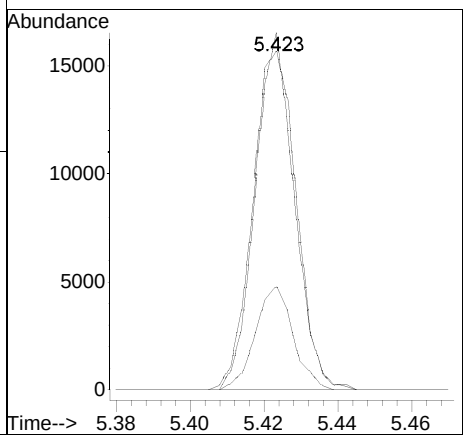


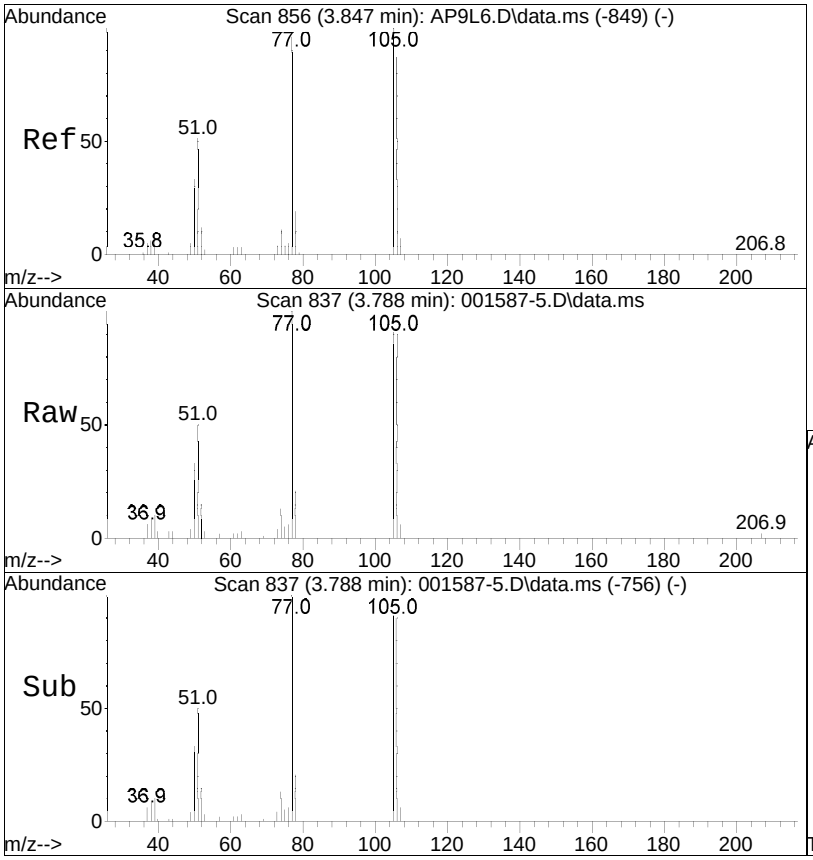


#26
1,2,4-Trichlorobenzene
Concen: 1.32 ug/ml
RT: 5.423 min Scan# 1363
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:180 Resp: 12823

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
145	26.5	25.7	38.5

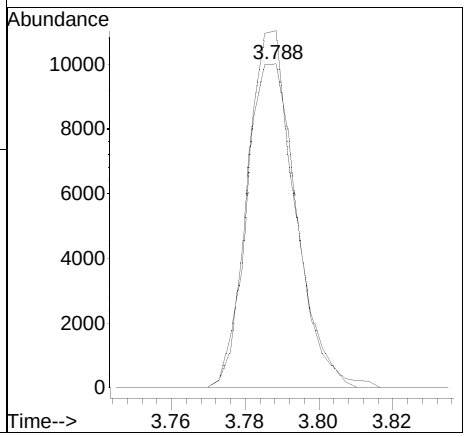


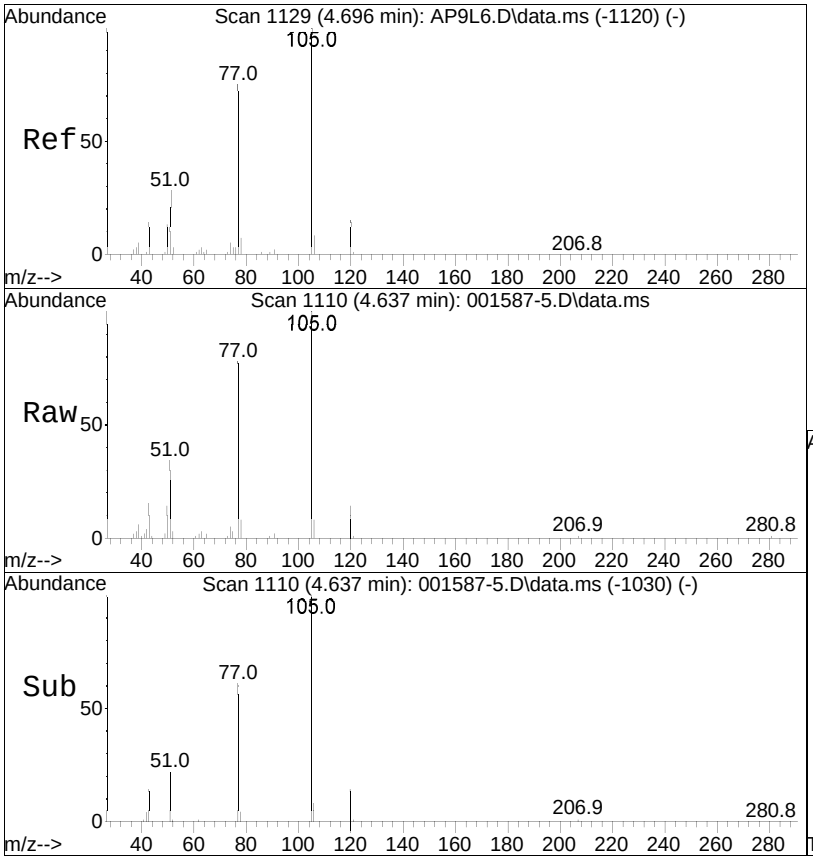


#28
Benzaldehyde
Concen: 2.16 ug/ml
RT: 3.788 min Scan# 837
Delta R.T. 0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:105 Resp: 9458

Ion	Ratio	Lower	Upper
105	100		
77	103.4	82.2	123.4

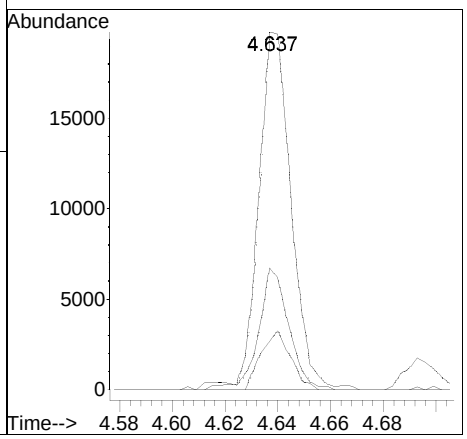


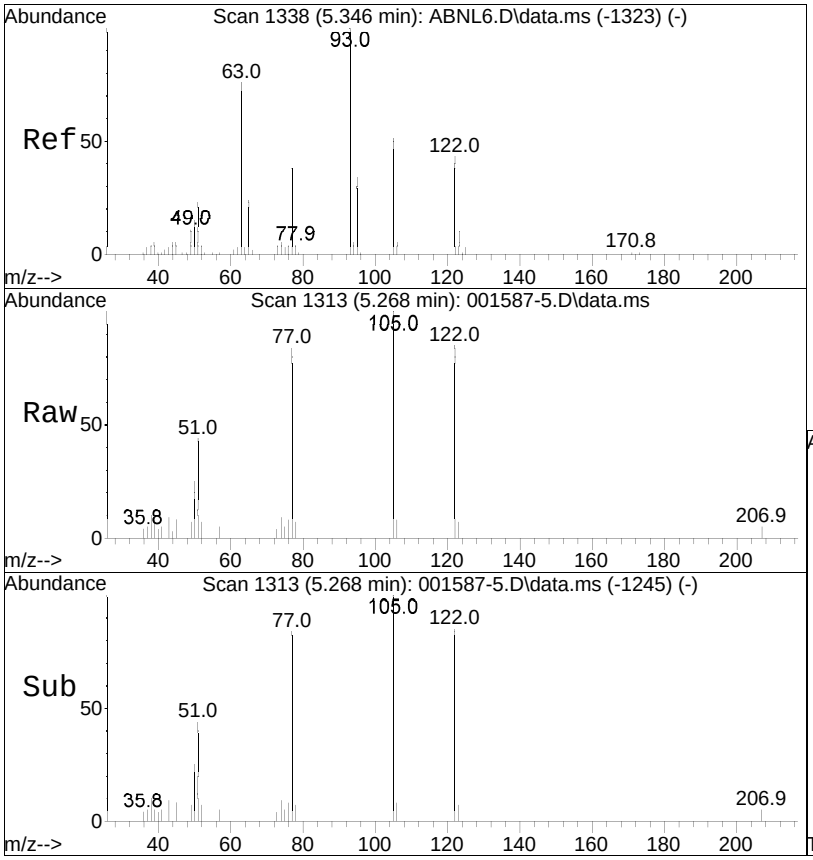


#29
Acetophenone
Concen: 1.91 ug/ml
RT: 4.637 min Scan# 1110
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:105 Resp: 16676

Ion	Ratio	Lower	Upper
105	100		
120	15.2	20.5	30.7#
51	30.8	34.9	52.3#

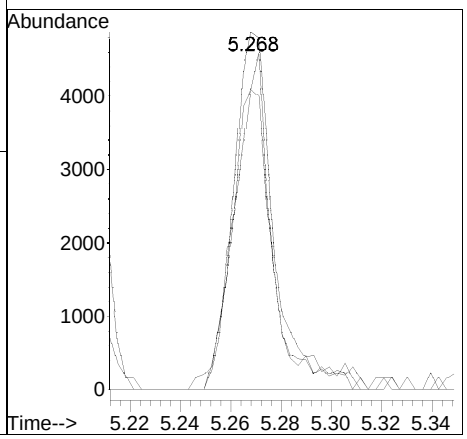


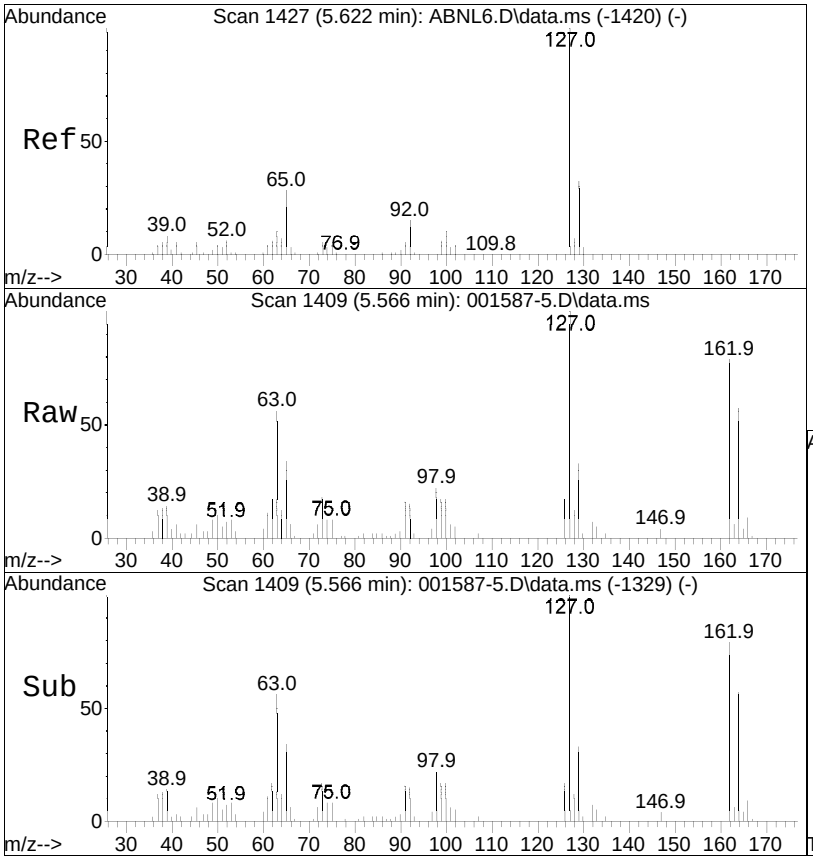


#39
Benzoic Acid
Concen: 1.00 ug/ml
RT: 5.268 min Scan# 1313
Delta R.T. -0.037 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:105 Resp: 5518

Ion	Ratio	Lower	Upper
105	100		
122	85.0	59.9	89.9
77	82.7	60.1	90.1

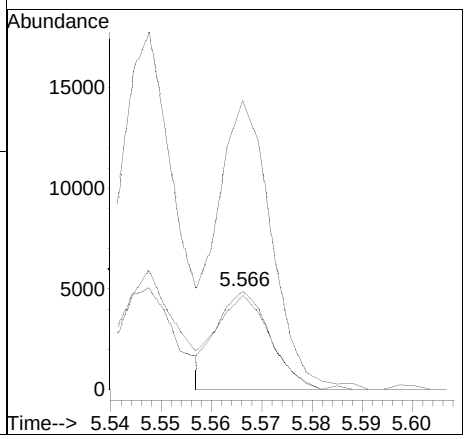


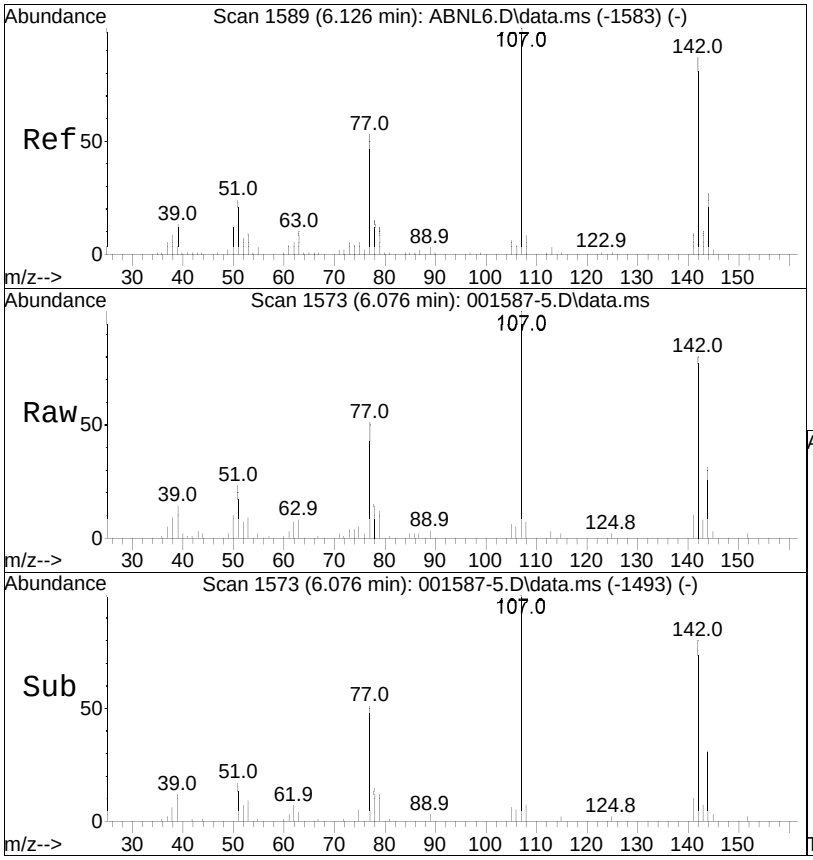


#40
4-Chloroaniline
Concen: 1.23 ug/ml
RT: 5.566 min Scan# 1409
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 65 Resp: 3612

Ion	Ratio	Lower	Upper
65	100		
127	294.2	237.6	356.4
129	95.8	76.3	114.5

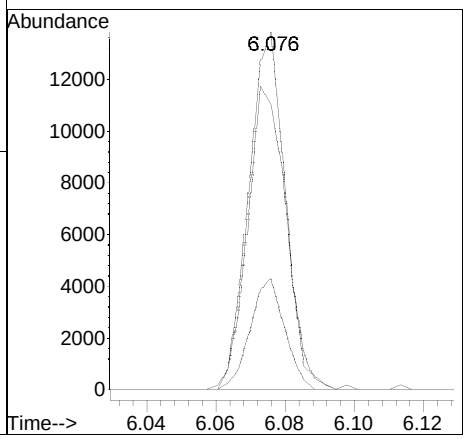


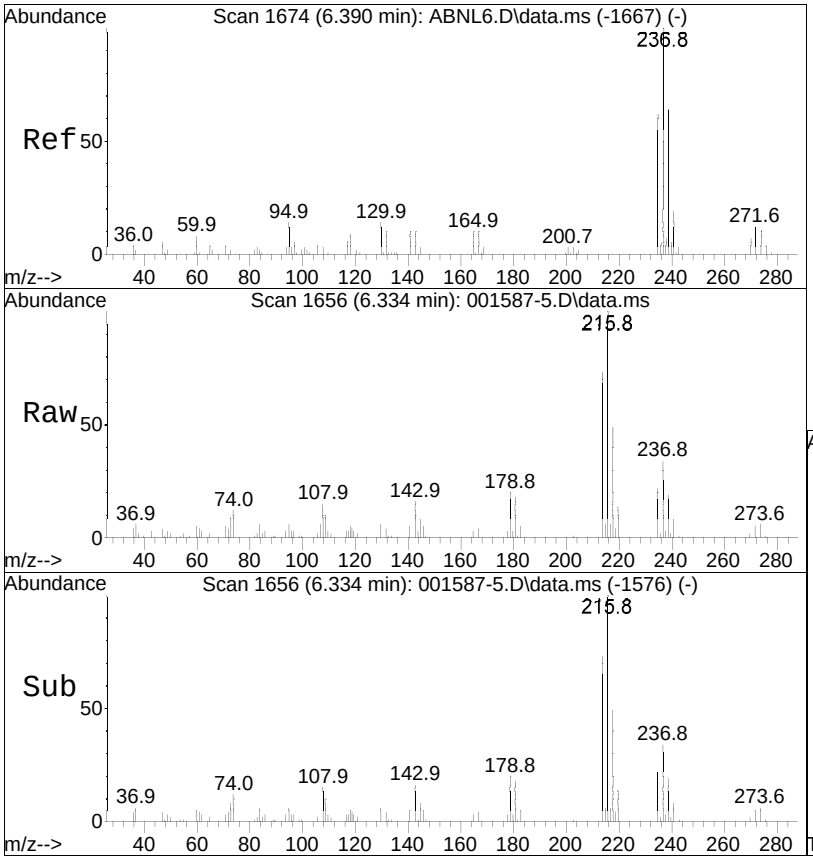


#42
p-Chloro-m-cresol
Concen: 1.44 ug/ml
RT: 6.076 min Scan# 1573
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:107 Resp: 10161

Ion	Ratio	Lower	Upper
107	100		
144	29.1	20.9	31.3
142	87.8	66.1	99.1

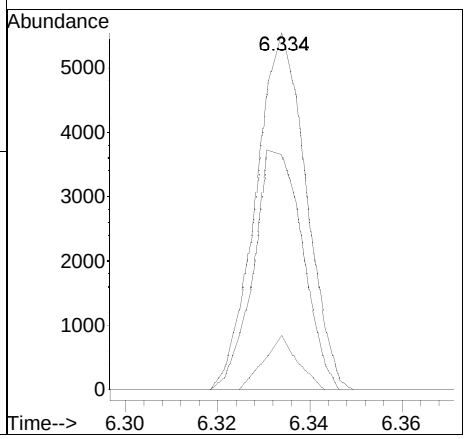


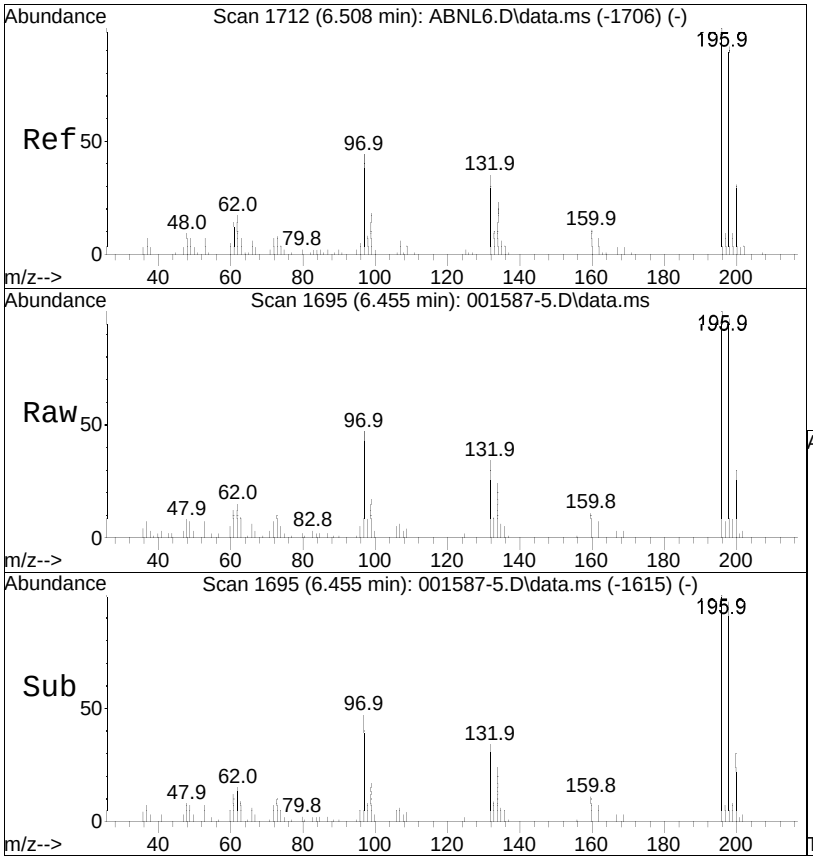


#45
Hexachlorocyclopentadiene
Concen: 0.63 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:237 Resp: 4189

Ion	Ratio	Lower	Upper
237	100		
235	65.8	49.7	74.5
272	0.0	9.8	14.6#

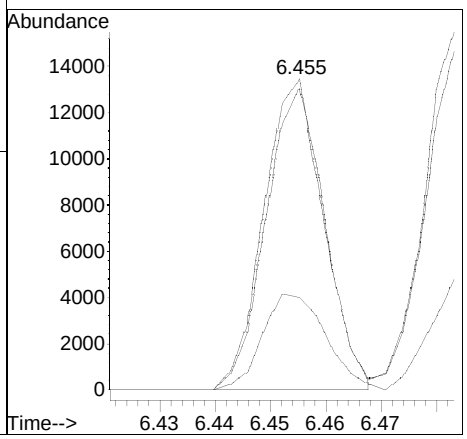


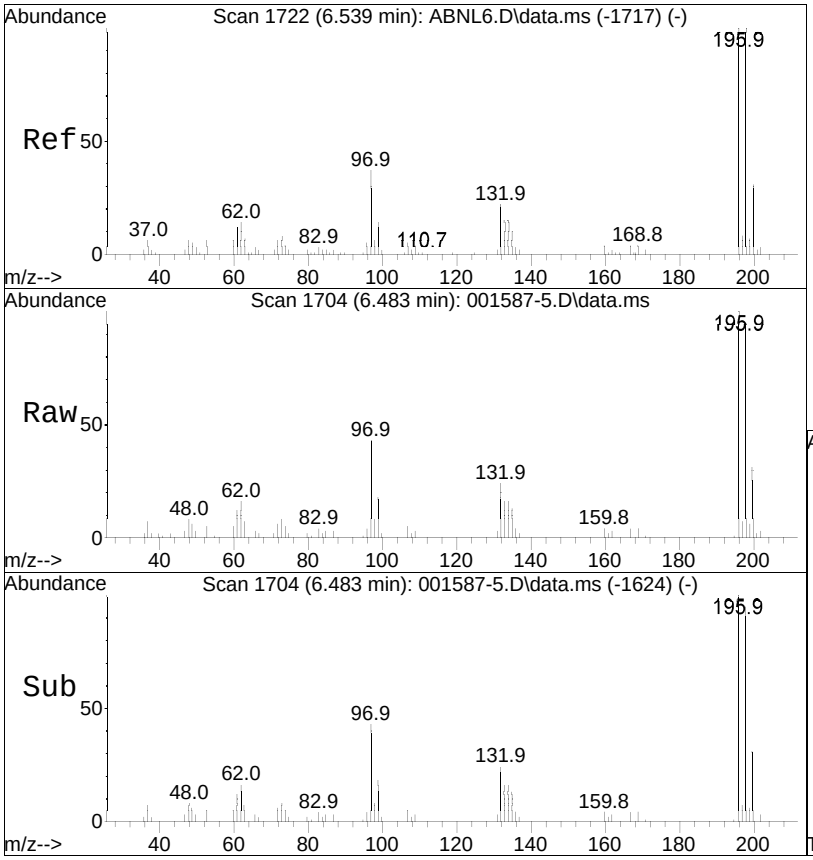


#46
2,4,6-Trichlorophenol
Concen: 1.44 ug/ml
RT: 6.455 min Scan# 1695
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:196 Resp: 10056

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.5	116.3
200	32.7	23.8	35.6

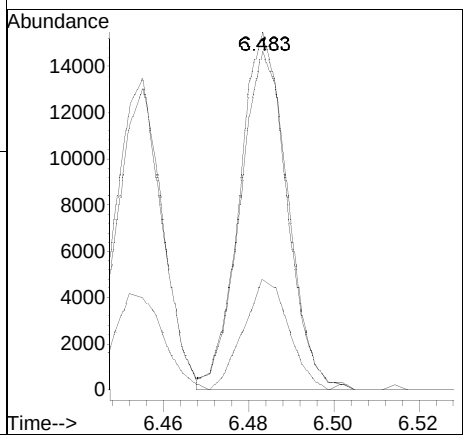


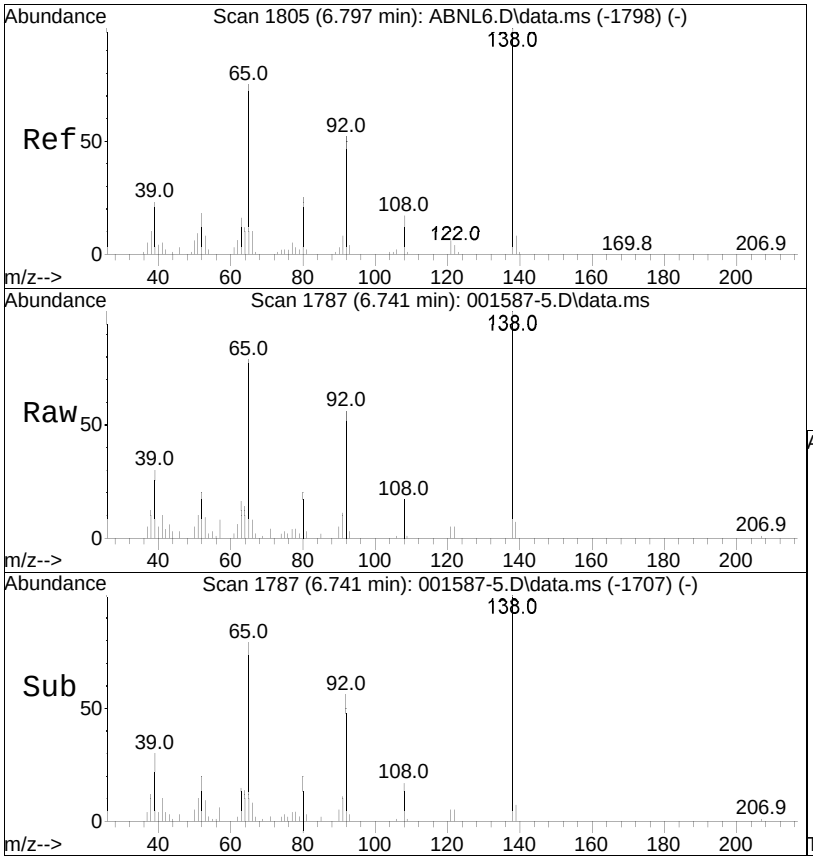


#47
2,4,5-Trichlorophenol
Concen: 1.55 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:196 Resp: 12035

Ion	Ratio	Lower	Upper
196	100		
200	29.7	25.4	38.0
198	94.2	78.0	117.0

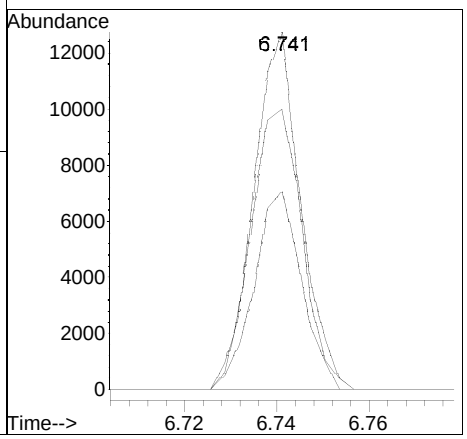


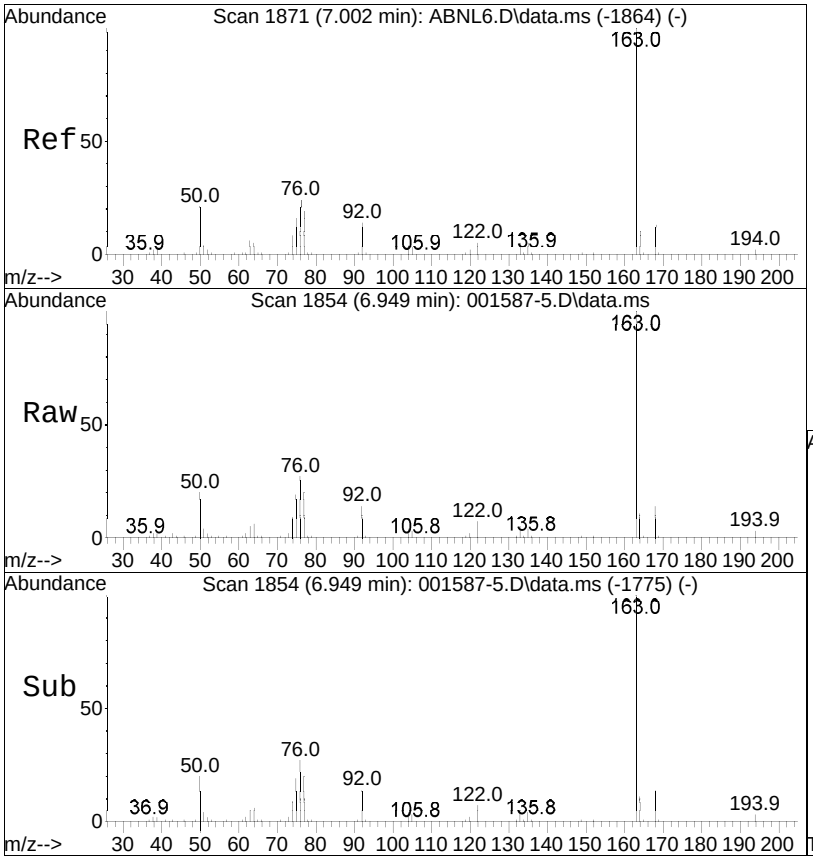


#50
2-Nitroaniline
Concen: 1.70 ug/ml
RT: 6.741 min Scan# 1787
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:138 Resp: 8998

Ion	Ratio	Lower	Upper
138	100		
92	56.2	53.5	80.3
65	85.4	86.3	129.5#

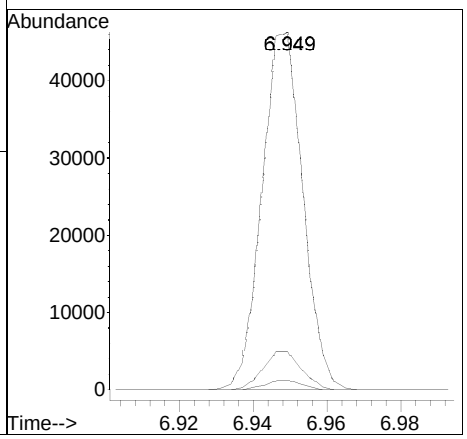


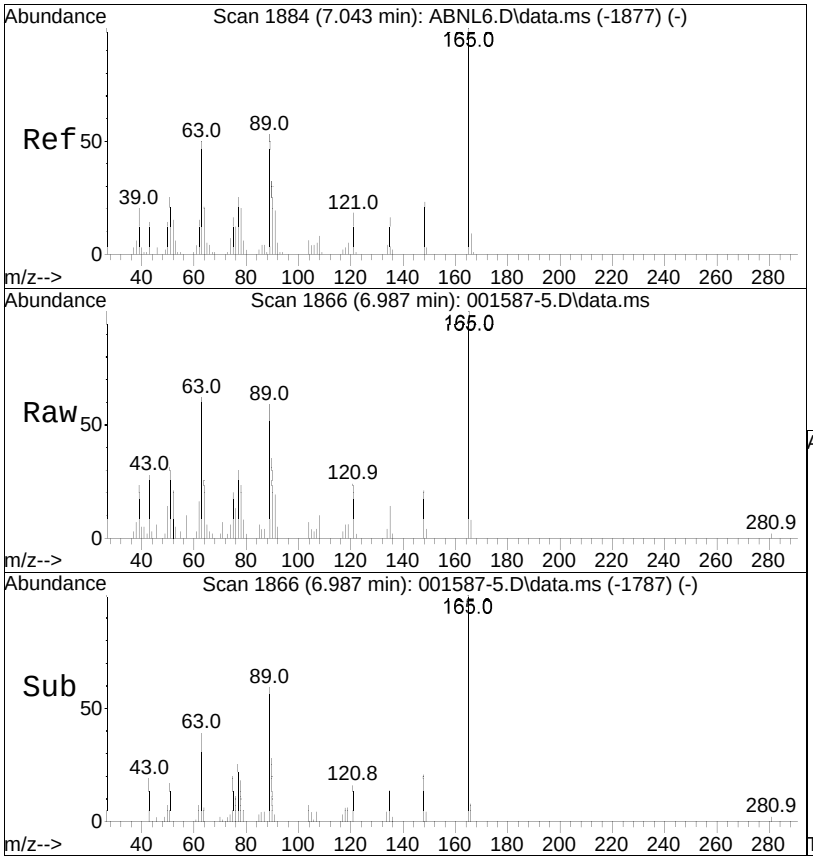


#53
Dimethyl phthalate
Concen: 1.47 ug/ml
RT: 6.949 min Scan# 1854
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:163 Resp: 35270

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	10.2	7.9	11.9

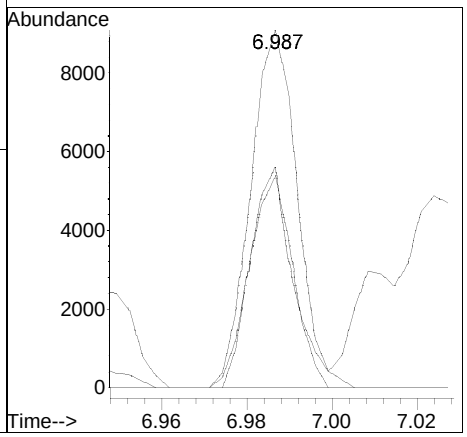


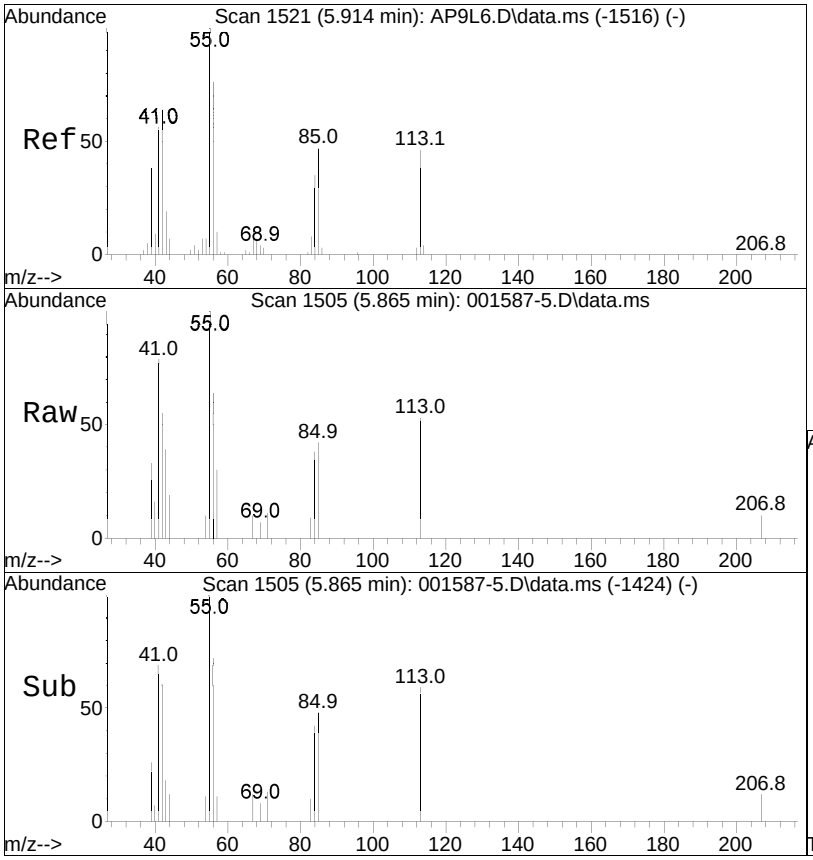


#55
2,6-Dinitrotoluene
Concen: 1.53 ug/ml
RT: 6.987 min Scan# 1866
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:165 Resp: 6885

Ion	Ratio	Lower	Upper
165	100		
89	54.7	54.2	81.2
63	57.8	64.2	96.2#

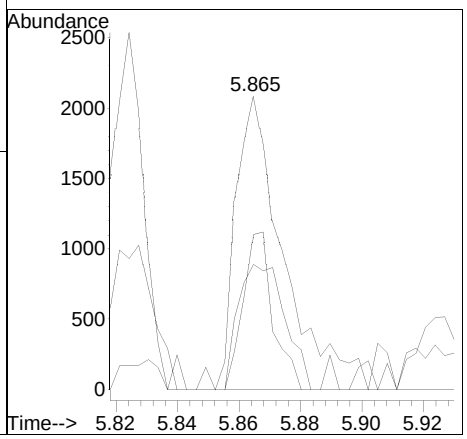


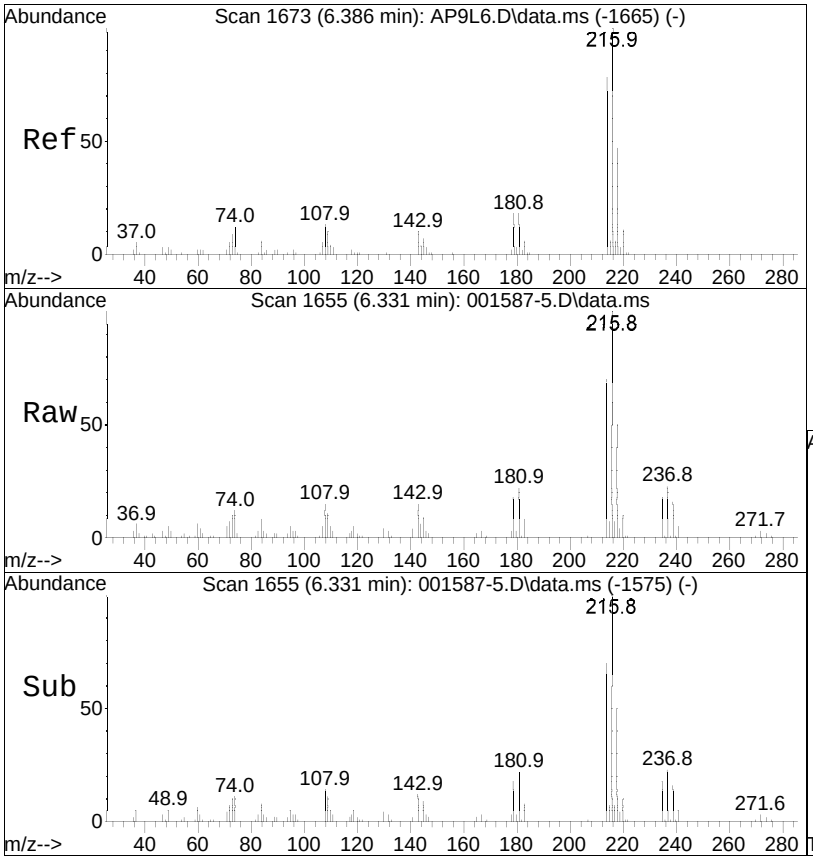


#62
Caprolactam
Concen: 0.76 ug/ml
RT: 5.865 min Scan# 1505
Delta R.T. 0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 55 Resp: 2275

Ion	Ratio	Lower	Upper
55	100		
85	41.3	19.8	29.6#
113	33.3	29.6	44.4

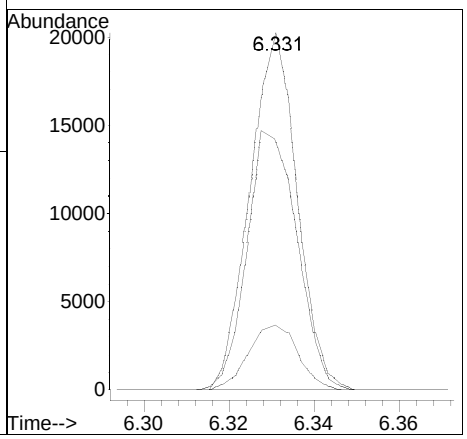


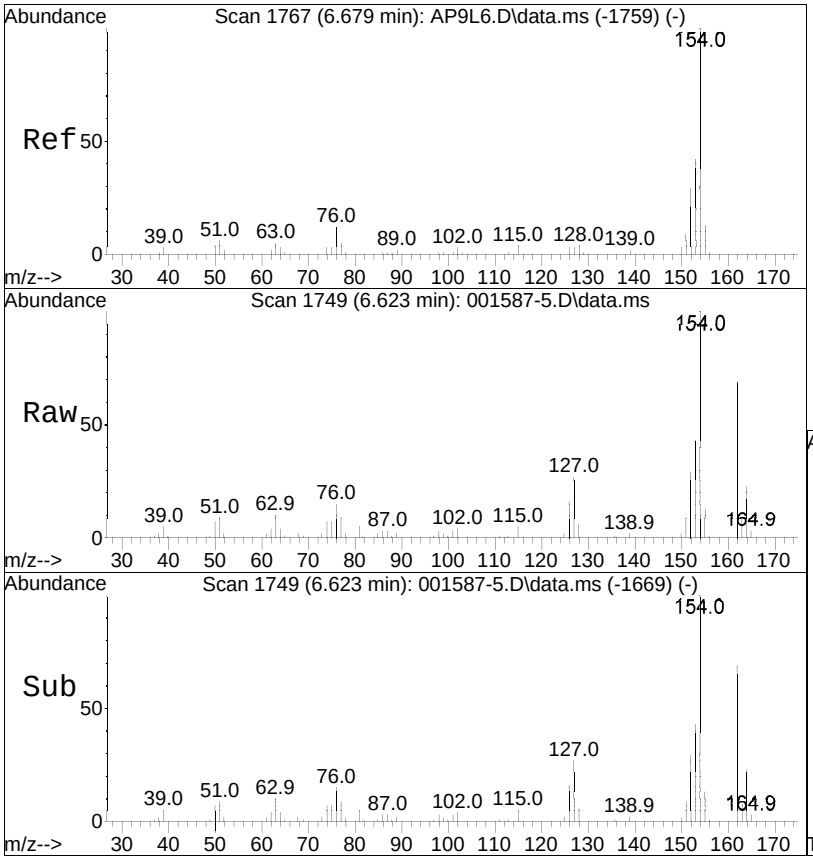


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.55 ug/ml
RT: 6.331 min Scan# 1655
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:216 Resp: 15537

Ion	Ratio	Lower	Upper
216	100		
214	77.1	63.7	95.5
179	19.2	19.0	28.6

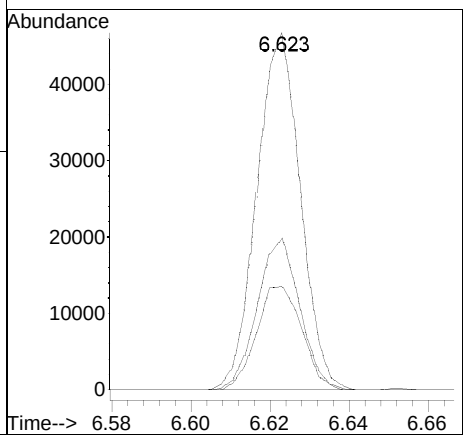


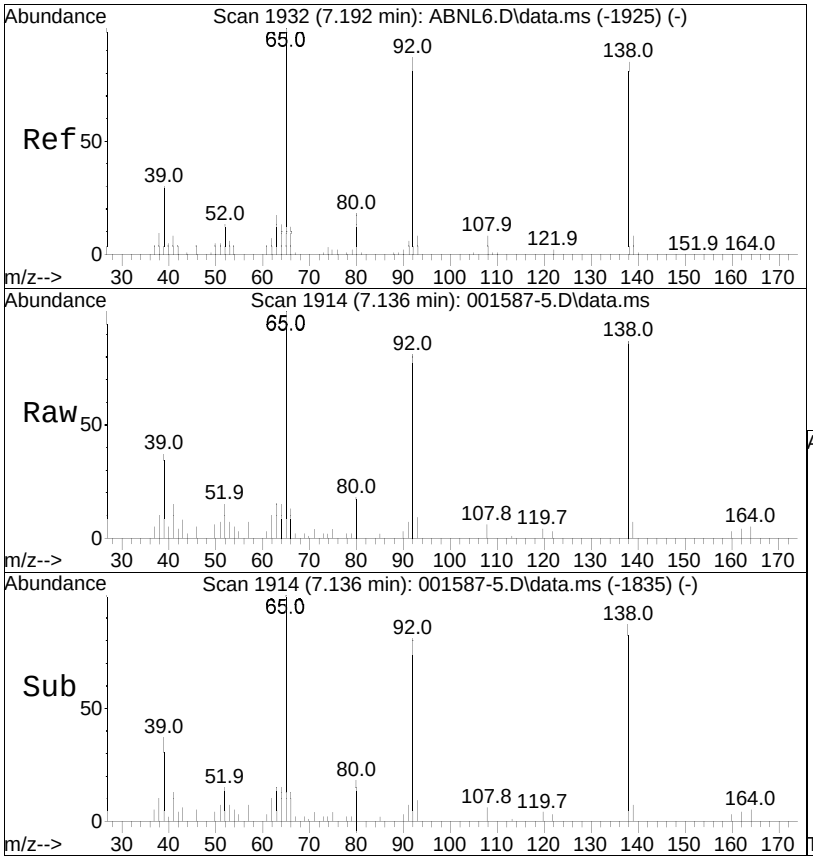


#64
Biphenyl
Concen: 1.74 ug/ml
RT: 6.623 min Scan# 1749
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:154 Resp: 35472

Ion	Ratio	Lower	Upper
154	100		
153	41.5	32.3	48.5
152	30.6	22.5	33.7

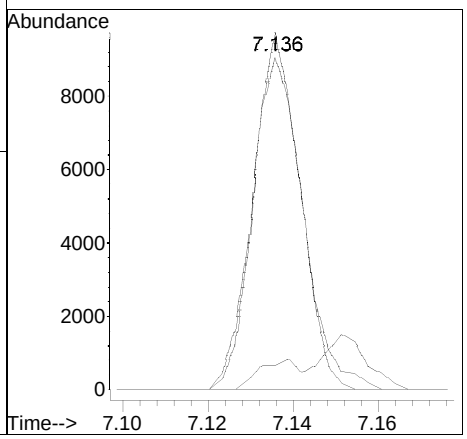


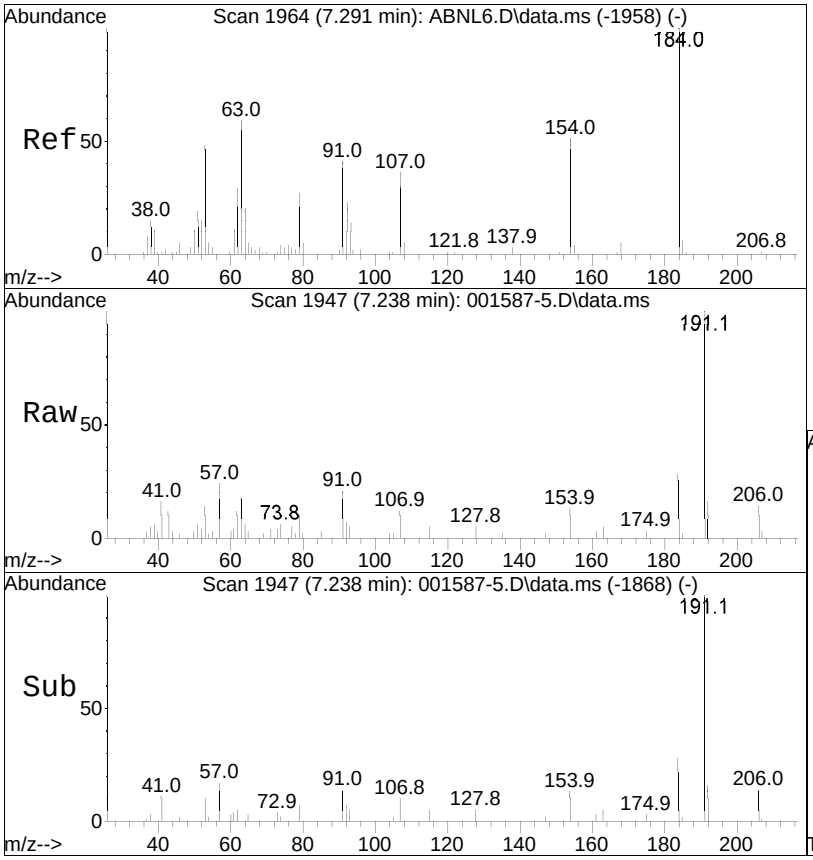


#66
3-Nitroaniline
Concen: 1.46 ug/ml
RT: 7.136 min Scan# 1914
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:138 Resp: 7268

Ion	Ratio	Lower	Upper
138	100		
92	104.1	93.4	140.2
108	7.5	9.5	14.3#

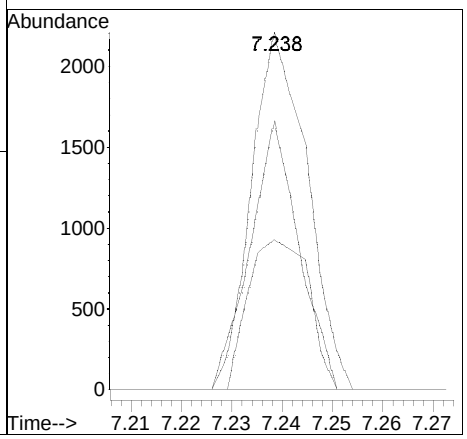


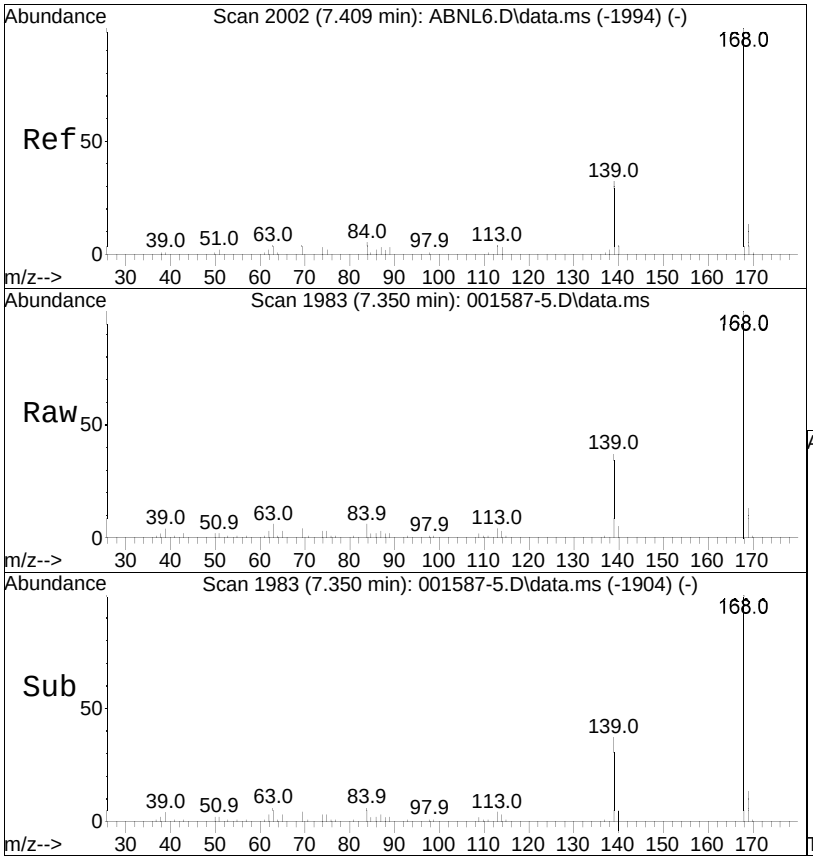


#68
2,4-Dinitrophenol
Concen: 0.56 ug/ml
RT: 7.238 min Scan# 1947
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:184 Resp: 1691

Ion	Ratio	Lower	Upper
184	100		
107	45.7	37.7	56.5
91	65.9	46.3	69.5

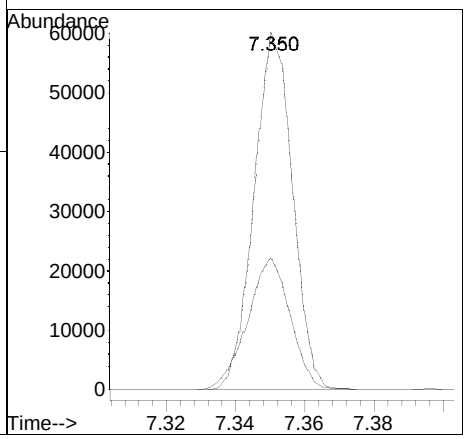


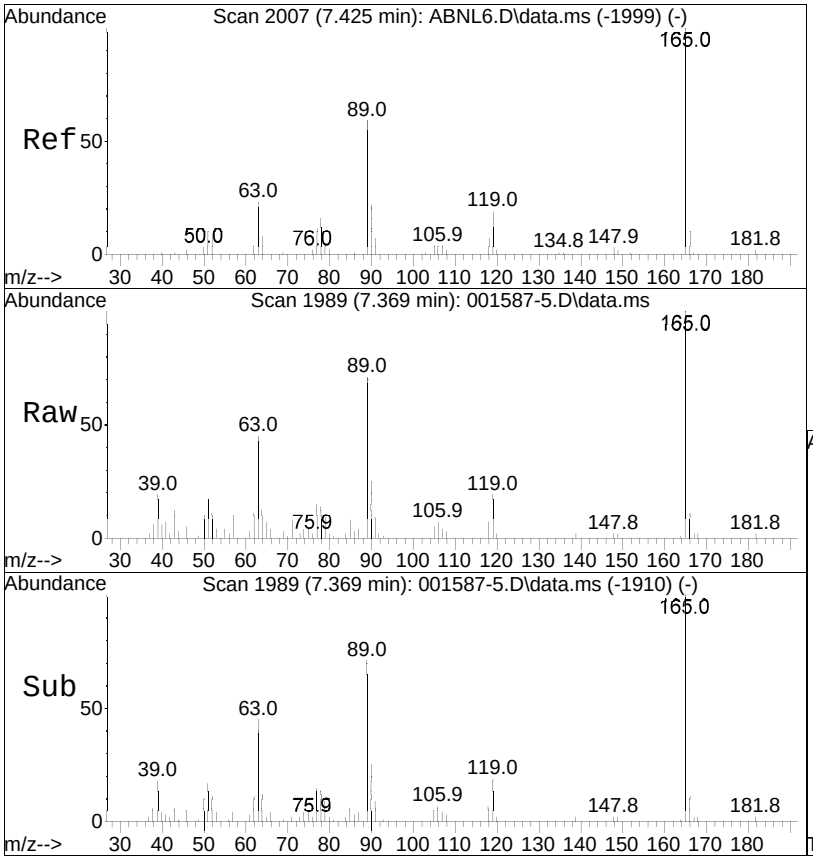


#69
Dibenzofuran
Concen: 1.42 ug/ml
RT: 7.350 min Scan# 1983
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:168 Resp: 46080

Ion	Ratio	Lower	Upper
168	100		
139	41.2	31.4	47.2

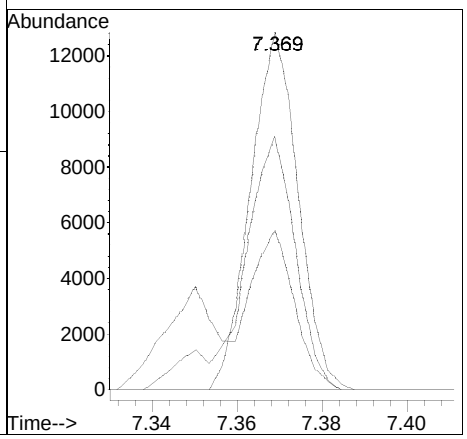


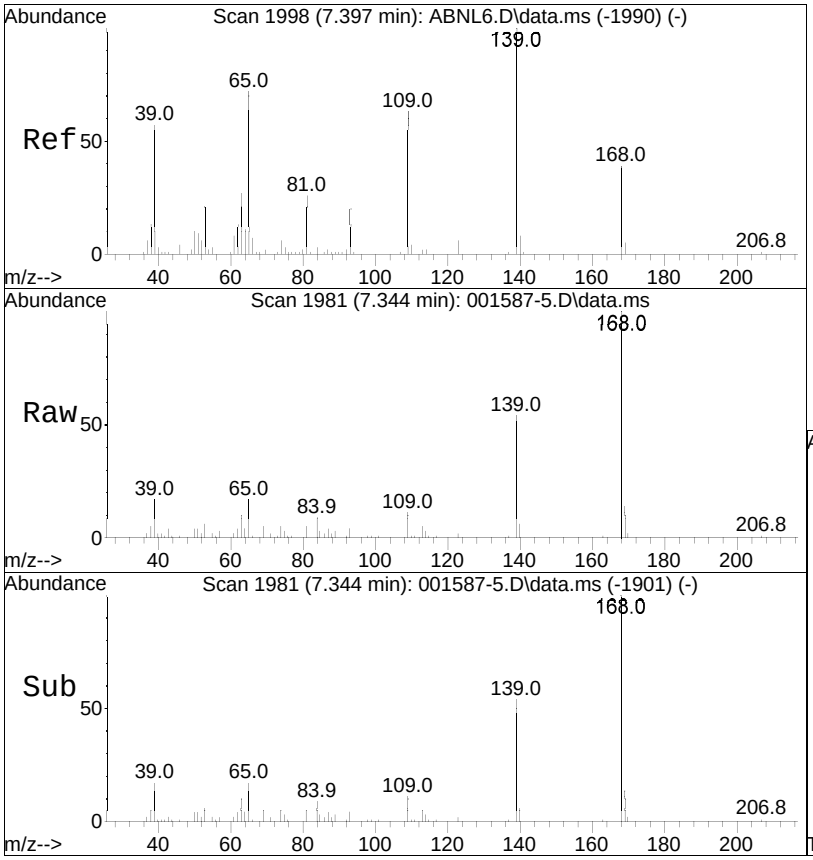


#70
2,4-Dinitrotoluene
Concen: 1.59 ug/ml
RT: 7.369 min Scan# 1989
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:165 Resp: 9952

Ion	Ratio	Lower	Upper
165	100		
89	80.1	72.0	108.0
63	39.8	52.7	79.1#

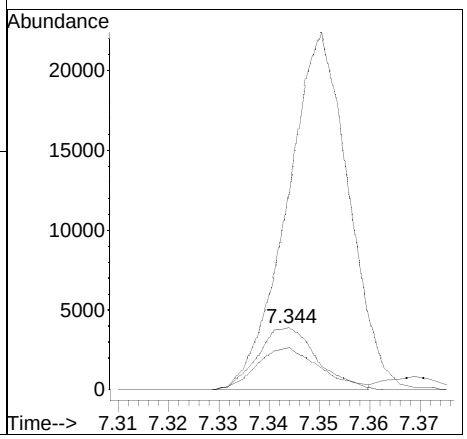


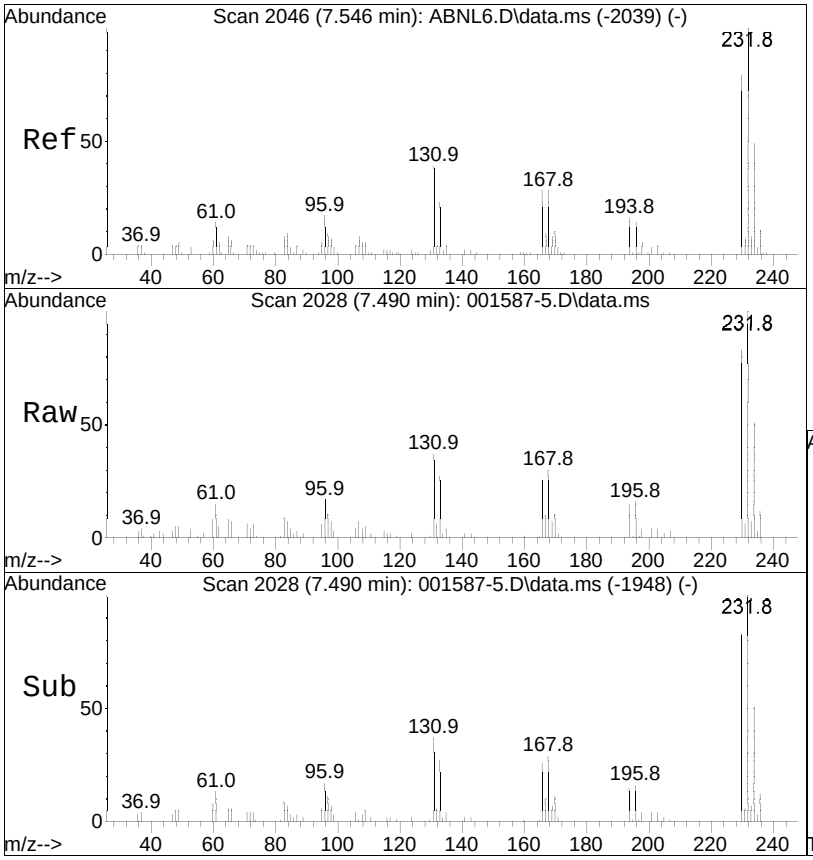


#71
4-Nitrophenol
Concen: 0.87 ug/ml
RT: 7.344 min Scan# 1981
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 65 Resp: 3248

Ion	Ratio	Lower	Upper
65	100		
109	72.0	47.4	71.2#
139	584.3	76.6	115.0#

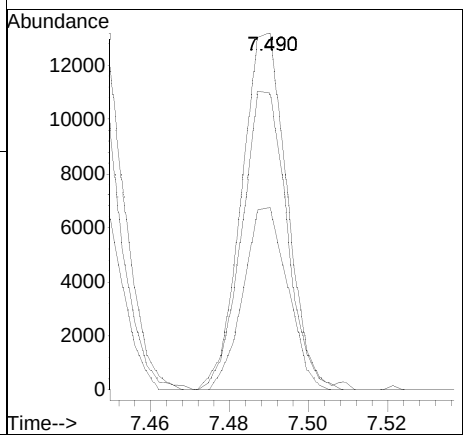


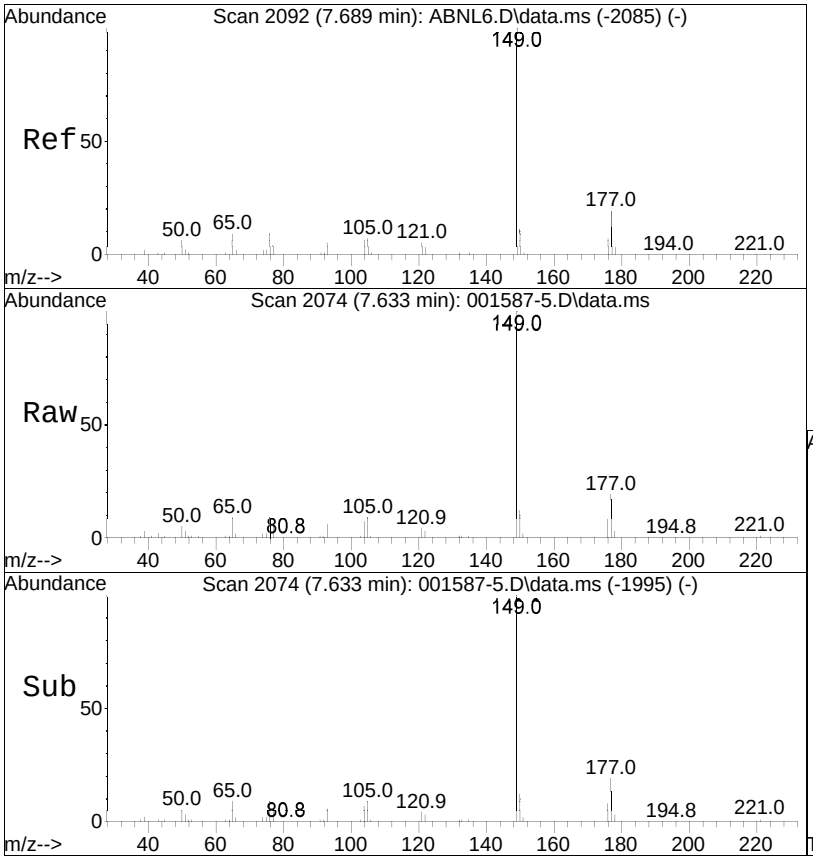


#73
2,3,4,6-Tetrachlorophenol
Concen: 1.54 ug/ml
RT: 7.490 min Scan# 2028
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:232 Resp: 10622

Ion	Ratio	Lower	Upper
232	100		
230	82.5	61.8	92.8
234	49.6	36.2	54.2

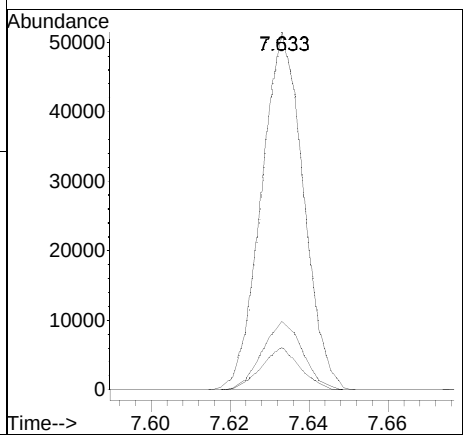


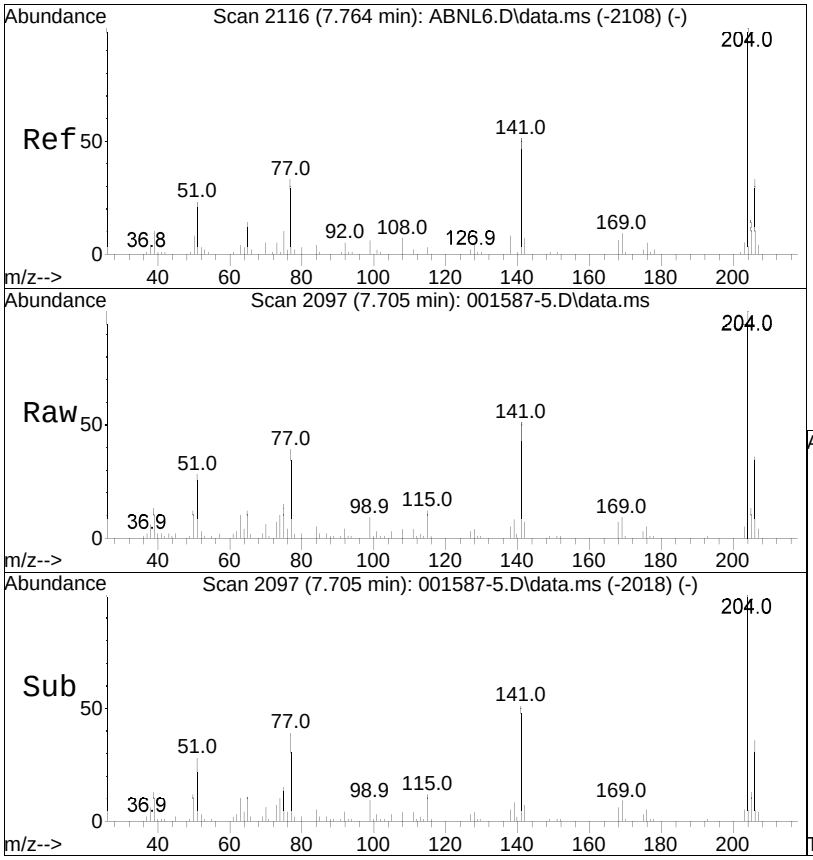


#74
Diethyl phthalate
Concen: 1.48 ug/ml
RT: 7.633 min Scan# 2074
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:149 Resp: 37647

Ion	Ratio	Lower	Upper
149	100		
177	18.7	16.1	24.1
150	11.2	9.4	14.2

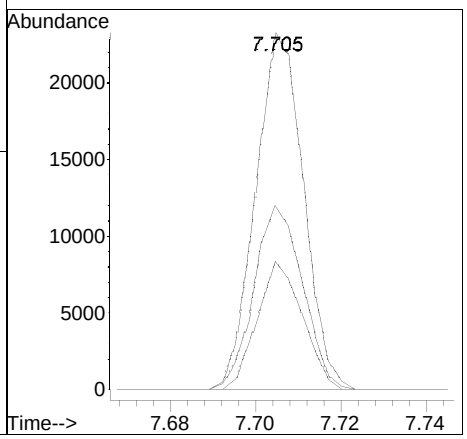


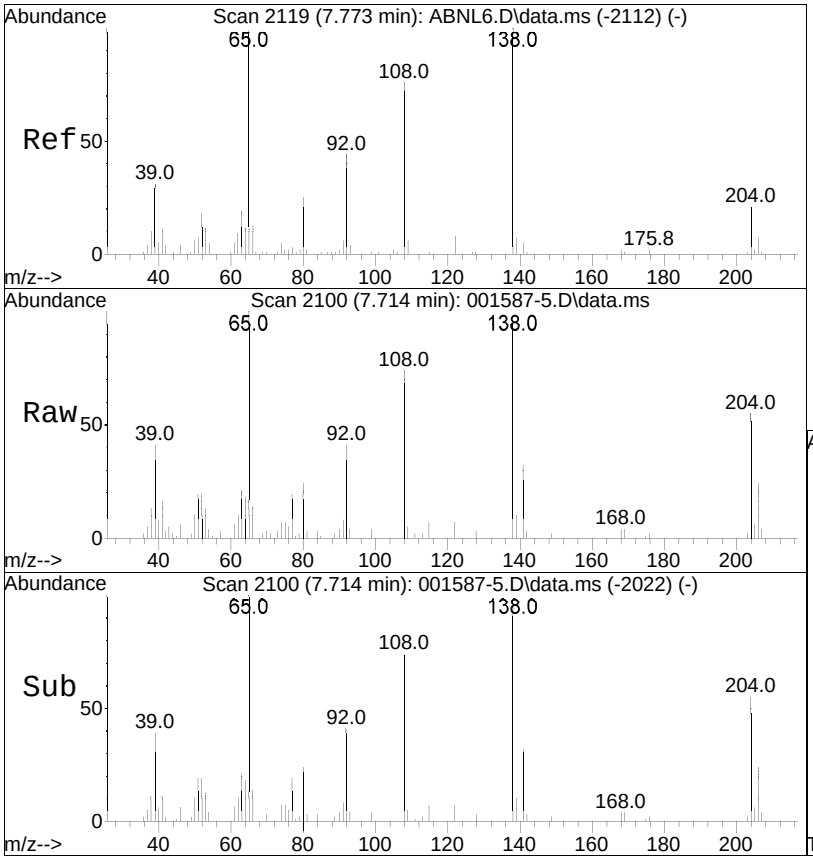


#76
4-Chlorophenyl phenyl ether
Concen: 1.41 ug/ml
RT: 7.705 min Scan# 2097
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:204 Resp: 18050

Ion	Ratio	Lower	Upper
204	100		
206	34.1	25.8	38.6
141	52.5	53.6	80.4#

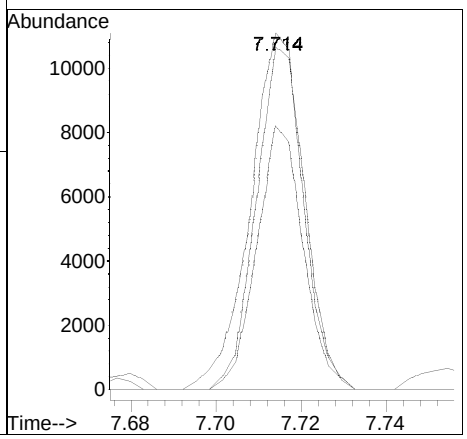


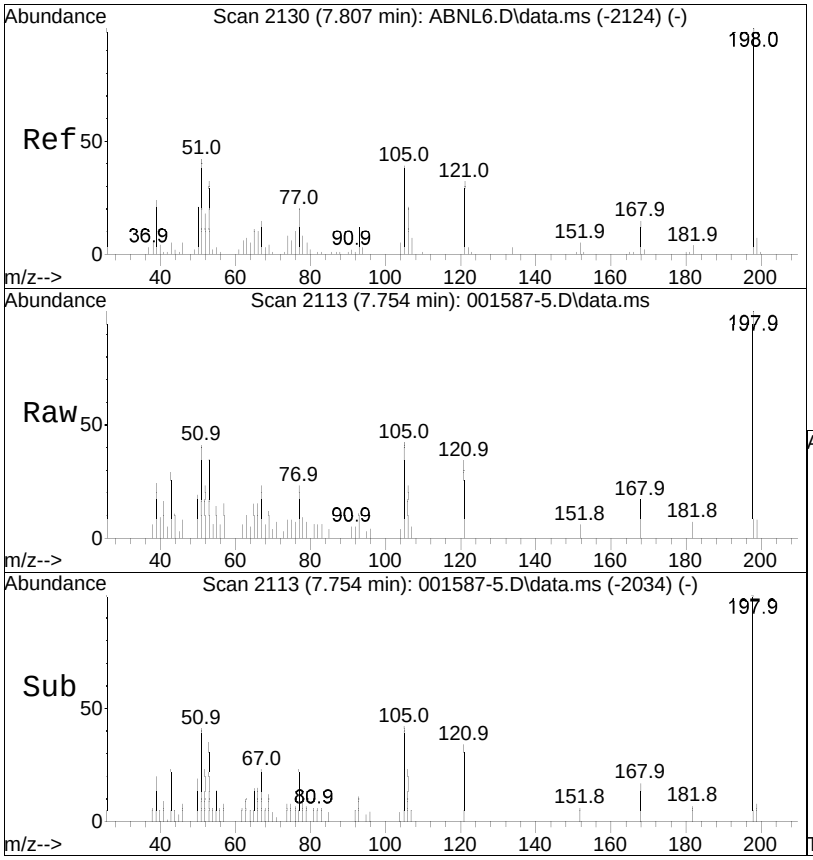


#77
4-Nitroaniline
Concen: 1.75 ug/ml
RT: 7.714 min Scan# 2100
Delta R.T. -0.006 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:138 Resp: 8449

Ion	Ratio	Lower	Upper
138	100		
108	73.5	52.1	78.1
65	112.2	115.0	172.6#

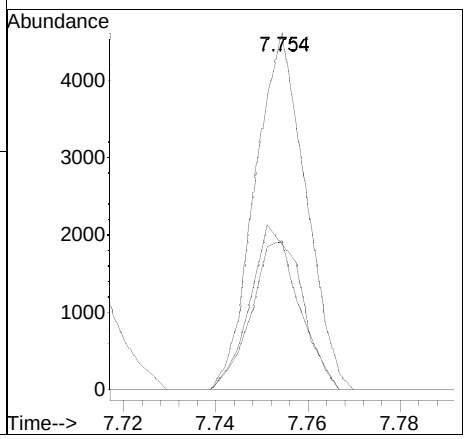


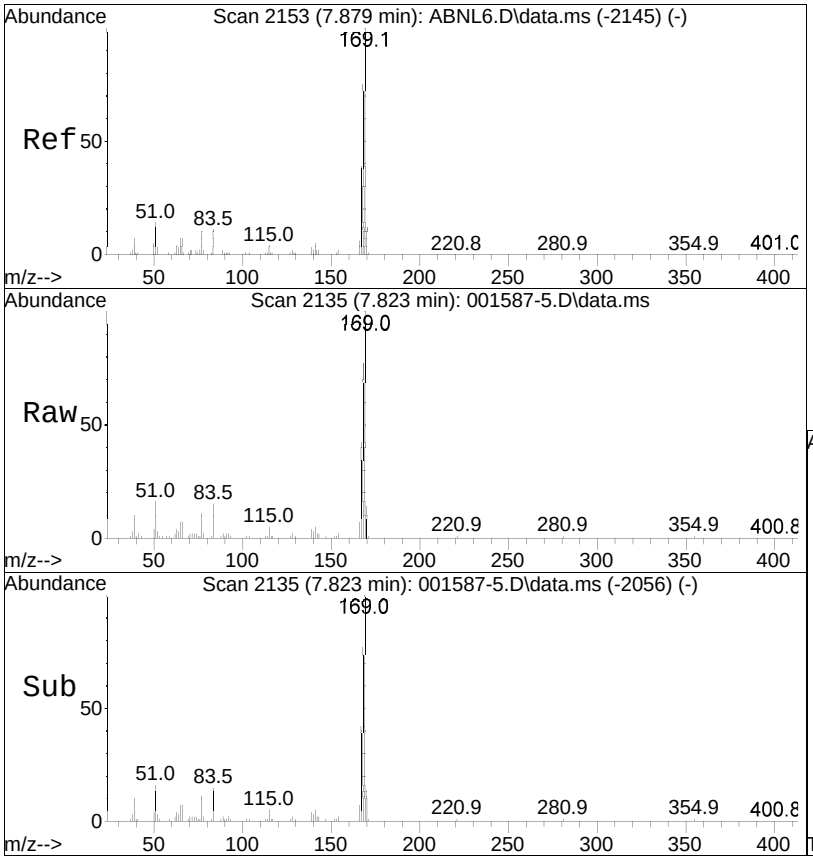


#78
4,6-Dinitro-o-cresol
Concen: 0.93 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:198 Resp: 3513

Ion	Ratio	Lower	Upper
198	100		
51	46.1	76.0	114.0#
105	40.8	45.6	68.4#

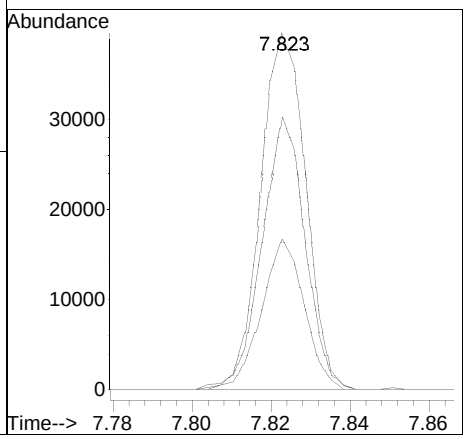


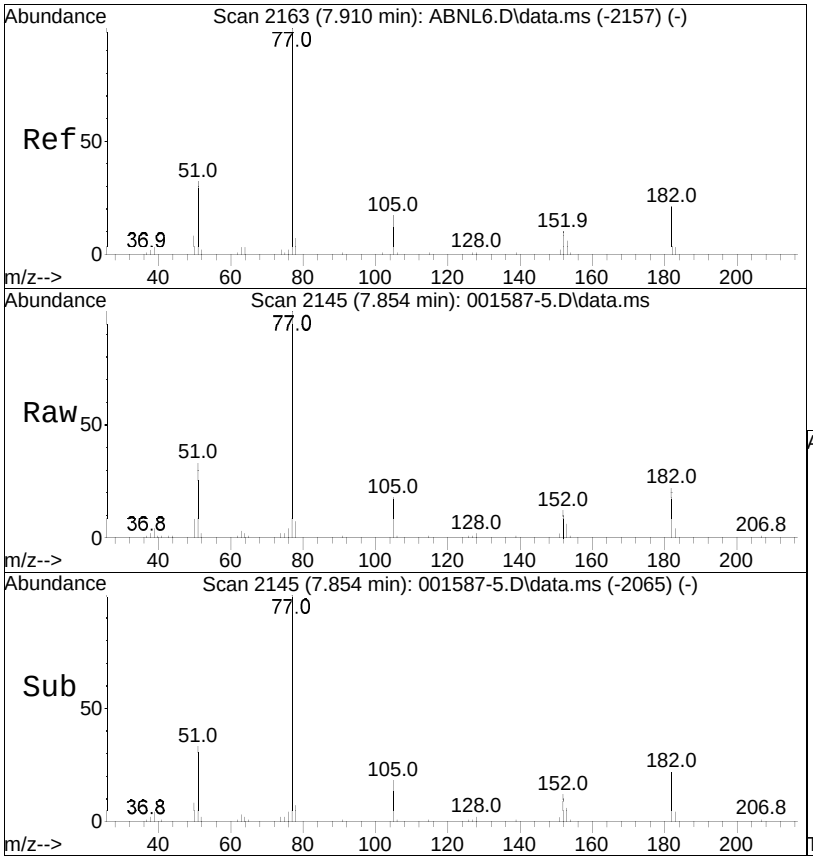


#79
NDPA/DPA
Concen: 1.45 ug/ml
RT: 7.823 min Scan# 2135
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:169 Resp: 31343

Ion	Ratio	Lower	Upper
169	100		
168	73.1	54.0	81.0
167	40.3	28.6	42.8

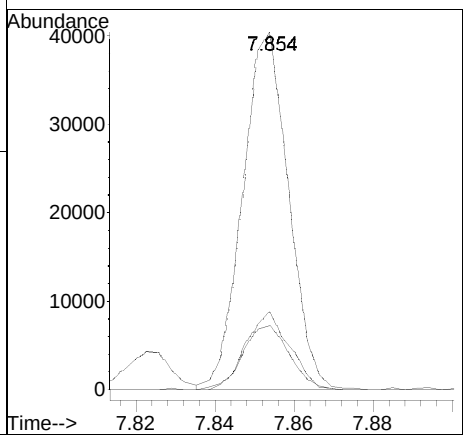


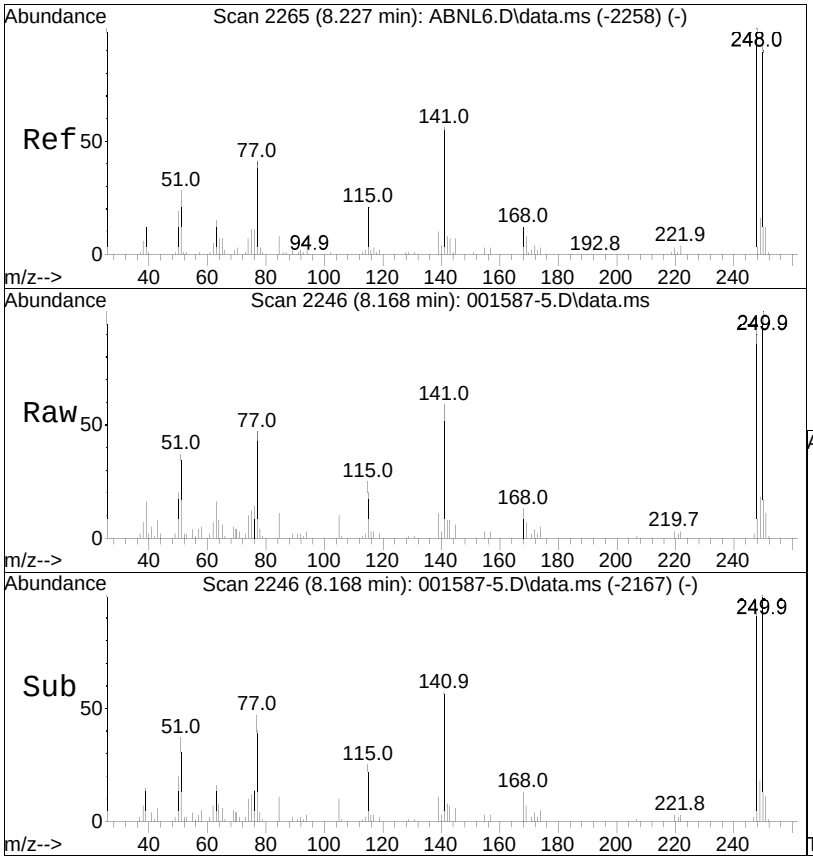


#80
Azobenzene
Concen: 1.56 ug/ml
RT: 7.854 min Scan# 2145
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion: 77 Resp: 32296

Ion	Ratio	Lower	Upper
77	100		
182	20.8	17.4	26.2
105	18.4	15.4	23.2

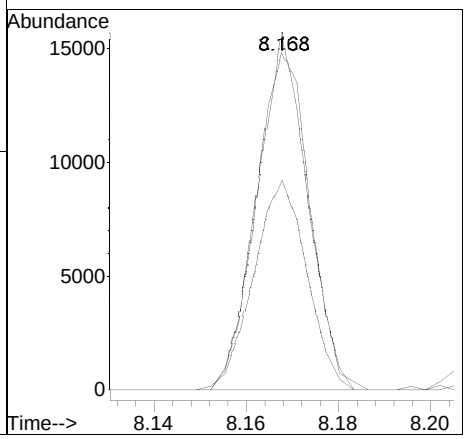


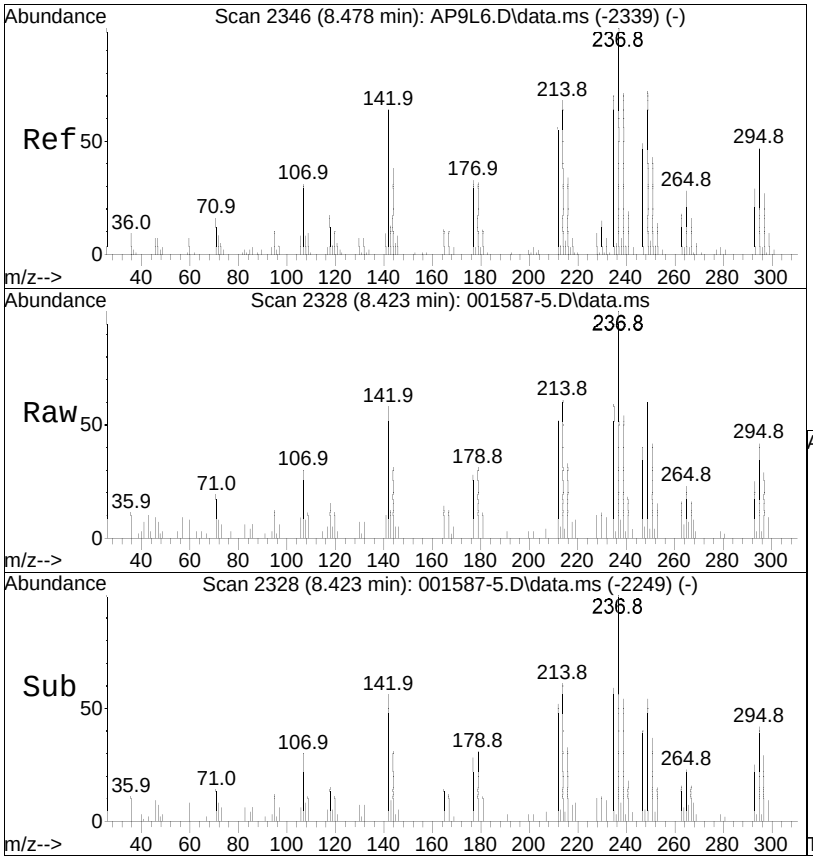


#82
4-Bromophenyl phenyl ether
Concen: 1.42 ug/ml
RT: 8.168 min Scan# 2246
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:248 Resp: 11941

Ion	Ratio	Lower	Upper
248	100		
141	61.4	76.6	114.8#
250	98.8	77.3	115.9

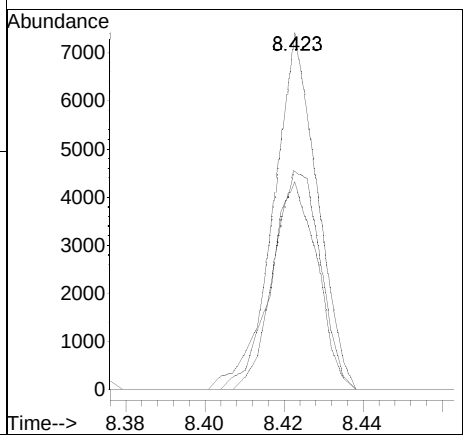


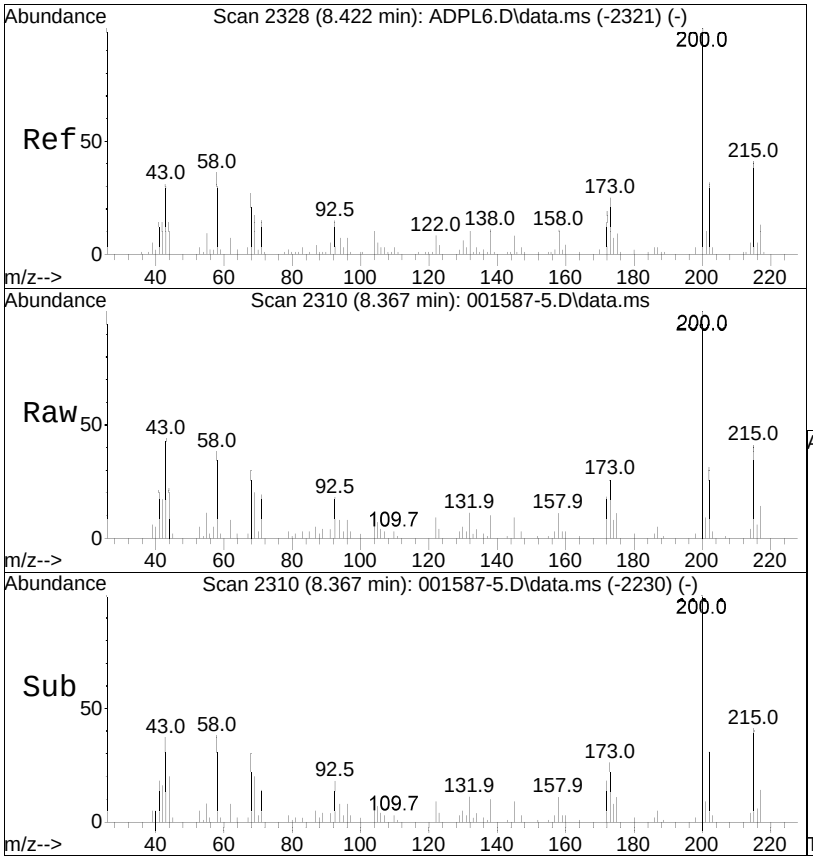


#87
Pentachloronitrobenzene
Concen: 1.90 ug/ml
RT: 8.423 min Scan# 2328
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:237 Resp: 5713

Ion	Ratio	Lower	Upper
237	100		
142	62.4	77.0	115.4#
214	64.9	58.2	87.4

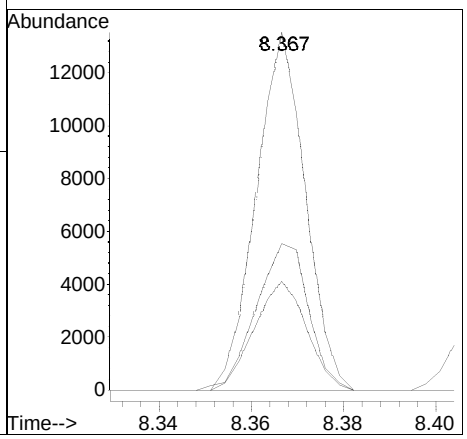


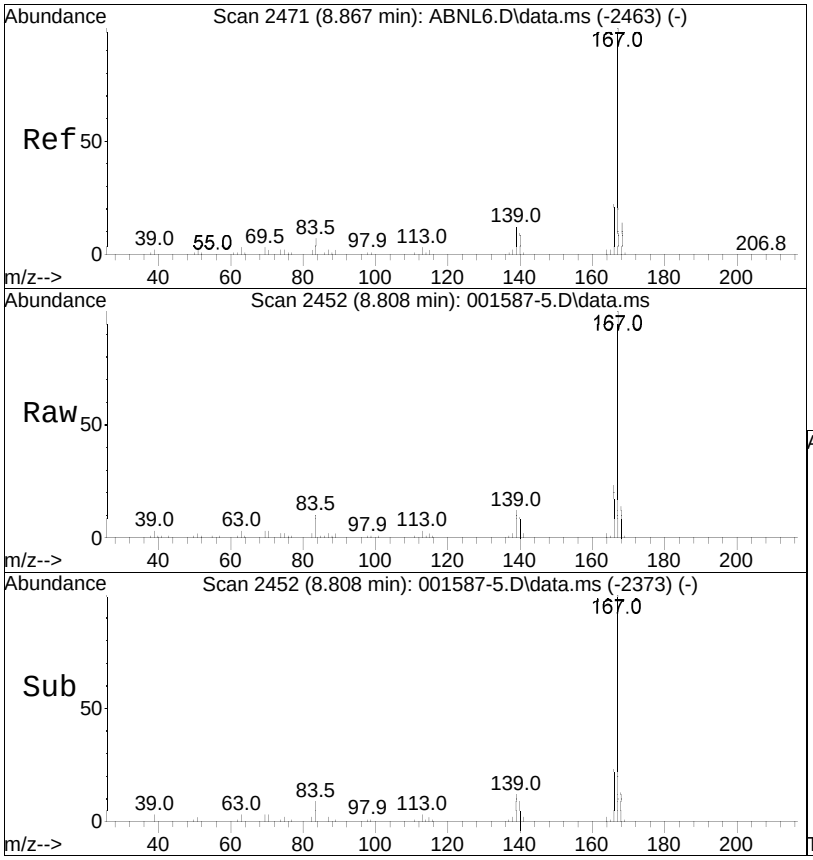


#89
Atrazine
Concen: 1.79 ug/ml
RT: 8.367 min Scan# 2310
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:200 Resp: 9915

Ion	Ratio	Lower	Upper
200	100		
202	32.6	25.8	38.6
215	44.0	40.2	60.4

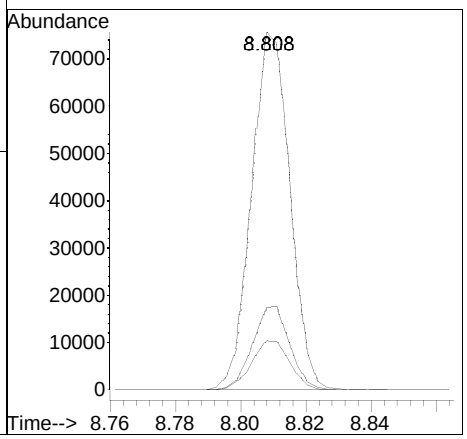


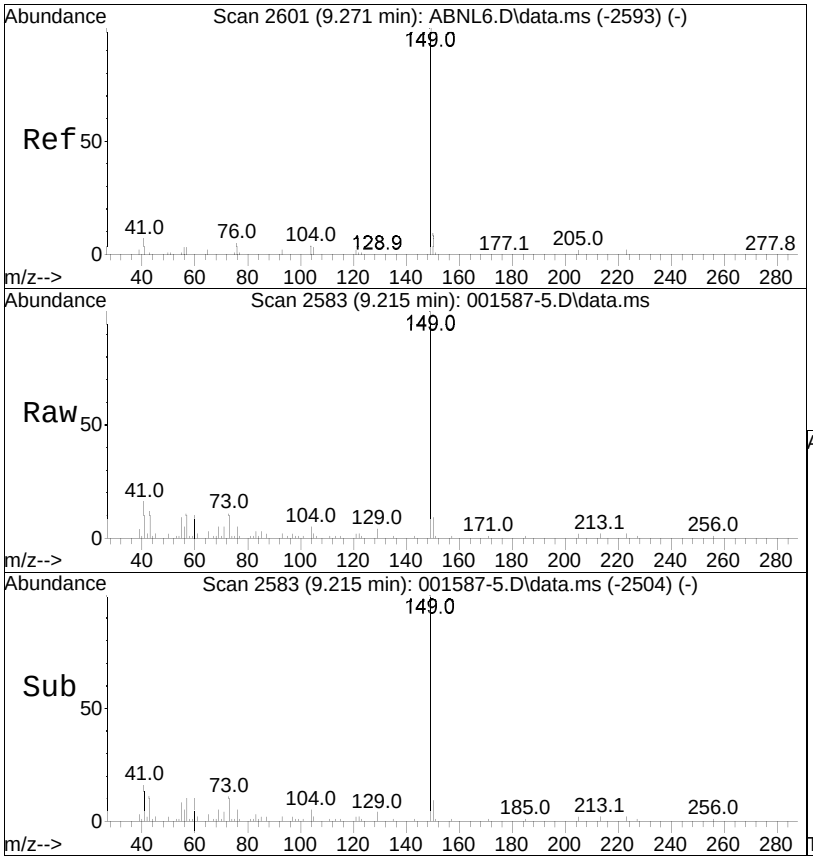


#93
Carbazole
Concen: 1.60 ug/ml
RT: 8.808 min Scan# 2452
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:167 Resp: 61426

Ion	Ratio	Lower	Upper
167	100		
168	14.0	10.6	15.8
166	22.7	17.4	26.0

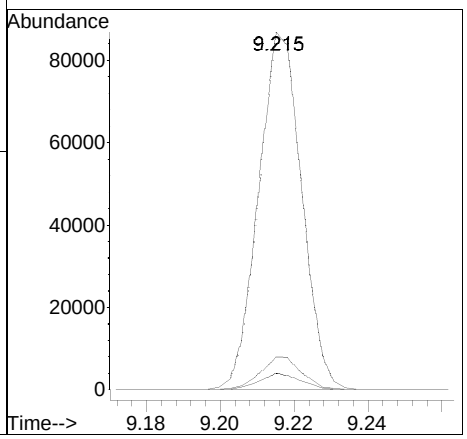


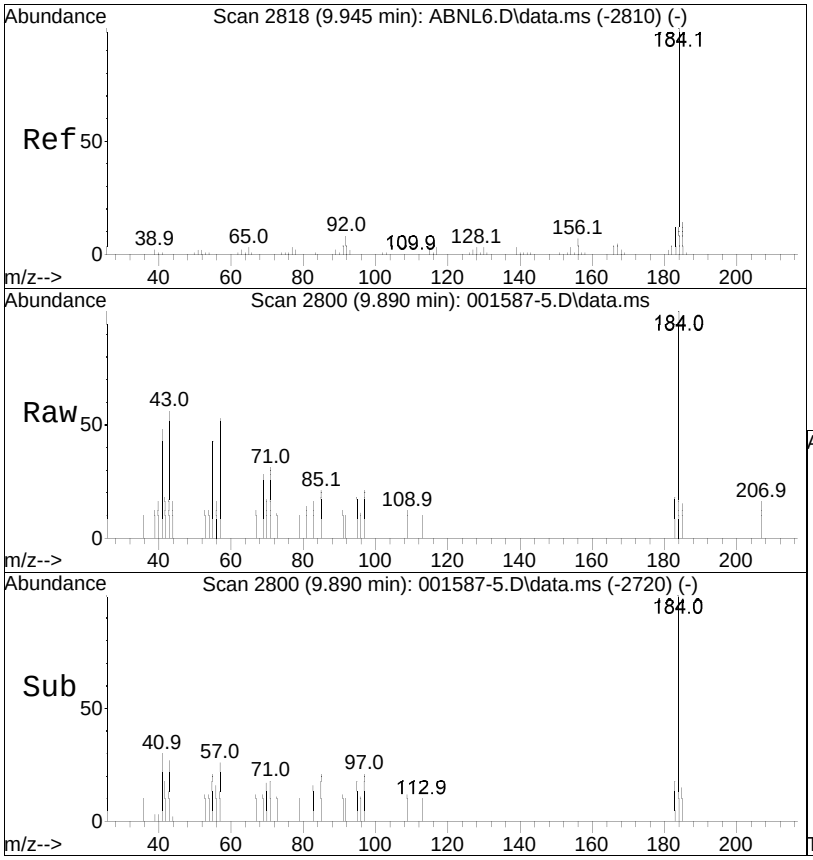


#94
Di-n-butylphthalate
Concen: 1.60 ug/ml
RT: 9.215 min Scan# 2583
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:149 Resp: 69562

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.0	10.6
104	4.2	4.5	6.7#

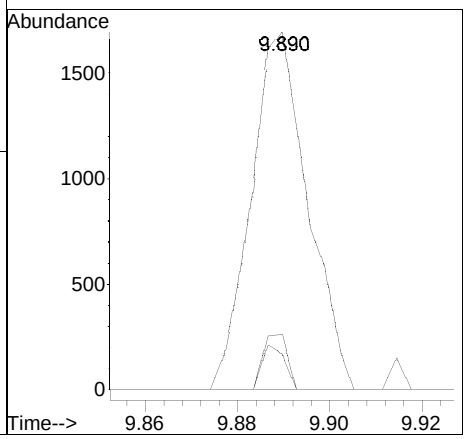


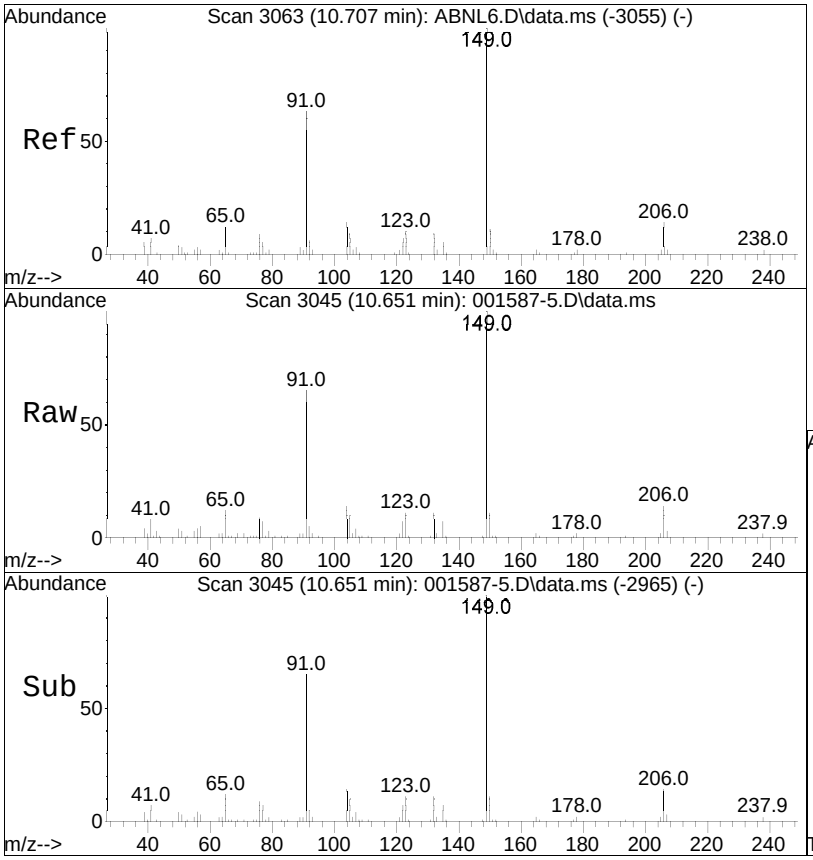


#96
Benzidine
Concen: 0.05 ug/ml
RT: 9.890 min Scan# 2800
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:184 Resp: 1441

Ion	Ratio	Lower	Upper
184	100		
92	0.0	9.1	13.7#
185	66.5	11.1	16.7#

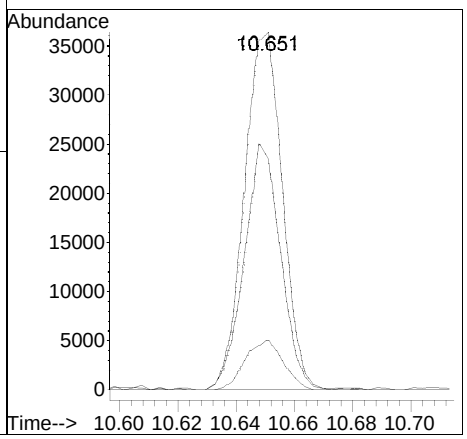


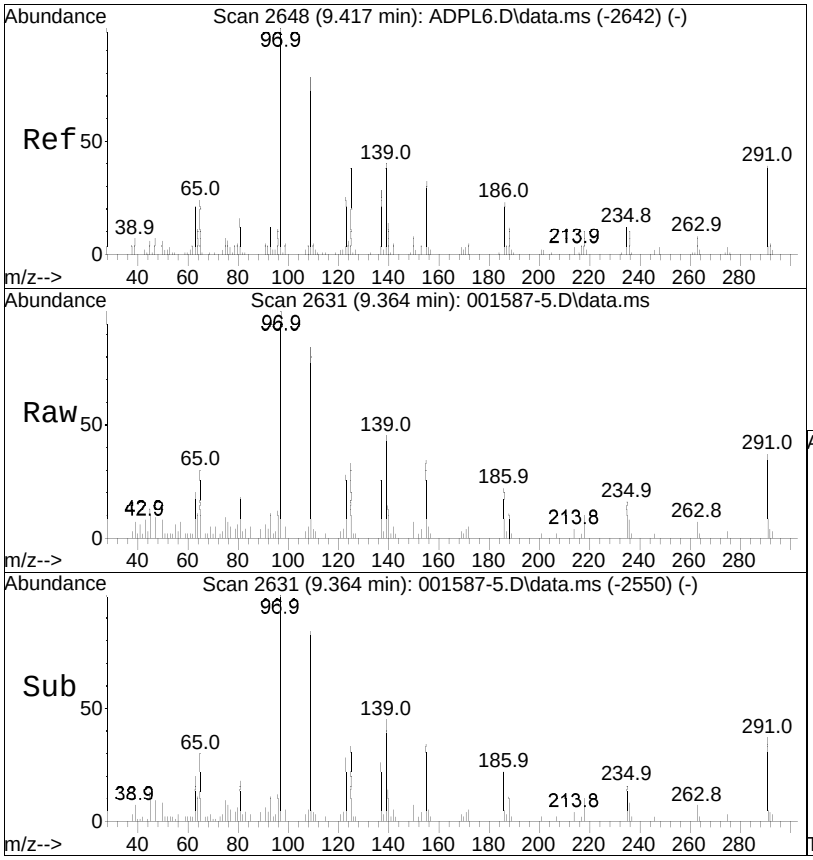


#99
Butyl benzyl phthalate
Concen: 1.75 ug/ml
RT: 10.651 min Scan# 3045
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:149 Resp: 32637

Ion	Ratio	Lower	Upper
149	100		
91	65.9	63.3	94.9
206	14.0	13.9	20.9

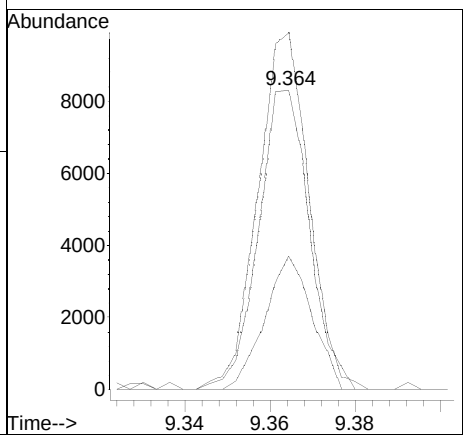


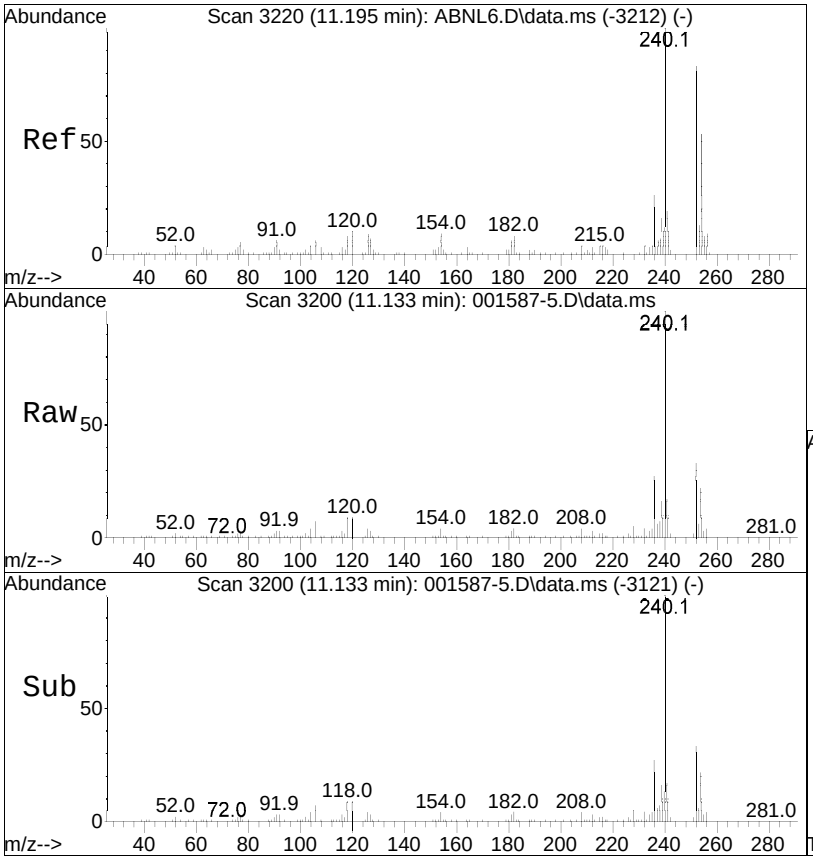


#104
Parathion
Concen: 2.42 ug/ml
RT: 9.364 min Scan# 2631
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:109 Resp: 6858

Ion	Ratio	Lower	Upper
109	100		
97	119.8	87.4	131.2
291	41.5	34.2	51.2

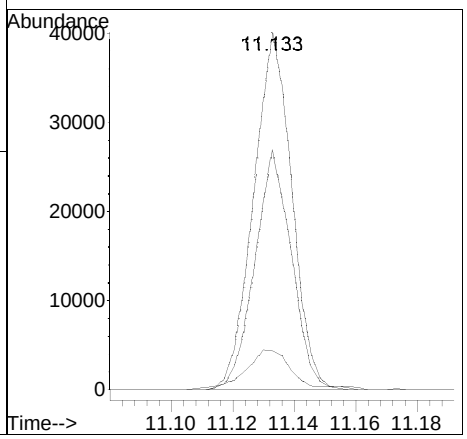


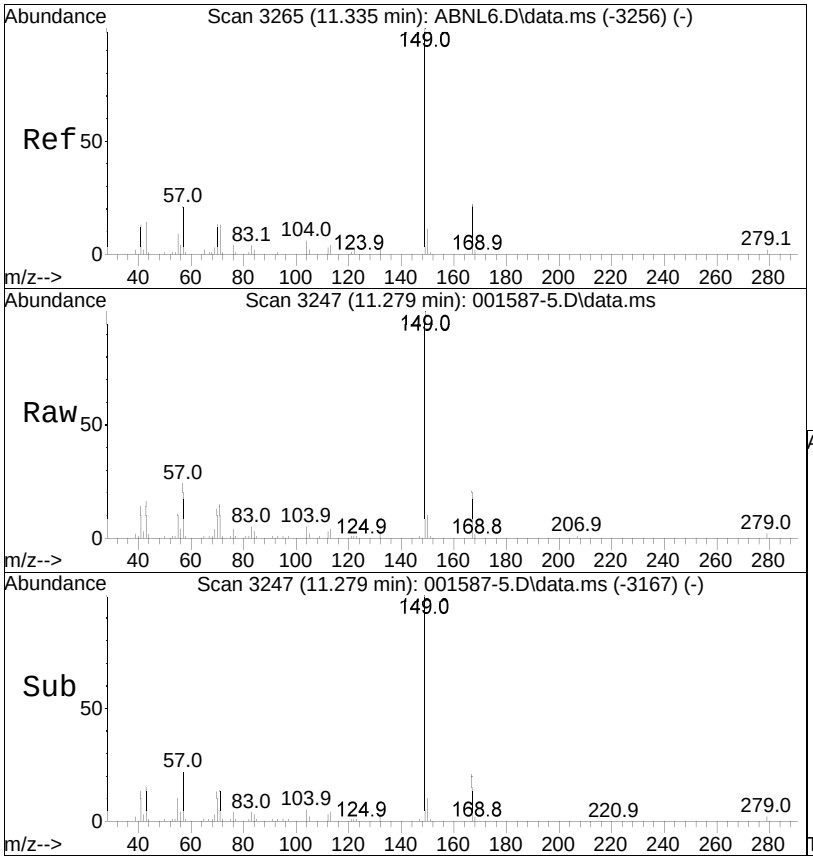


#108
3,3'-Dichlorobenzidine
Concen: 1.63 ug/ml
RT: 11.133 min Scan# 3200
Delta R.T. -0.003 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:252 Resp: 34340

Ion	Ratio	Lower	Upper
252	100		
126	13.5	14.5	21.7#
254	64.4	51.2	76.8

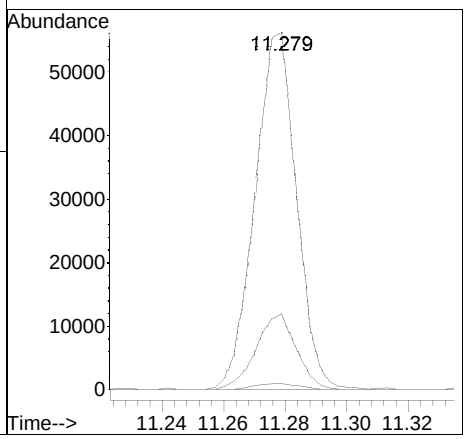


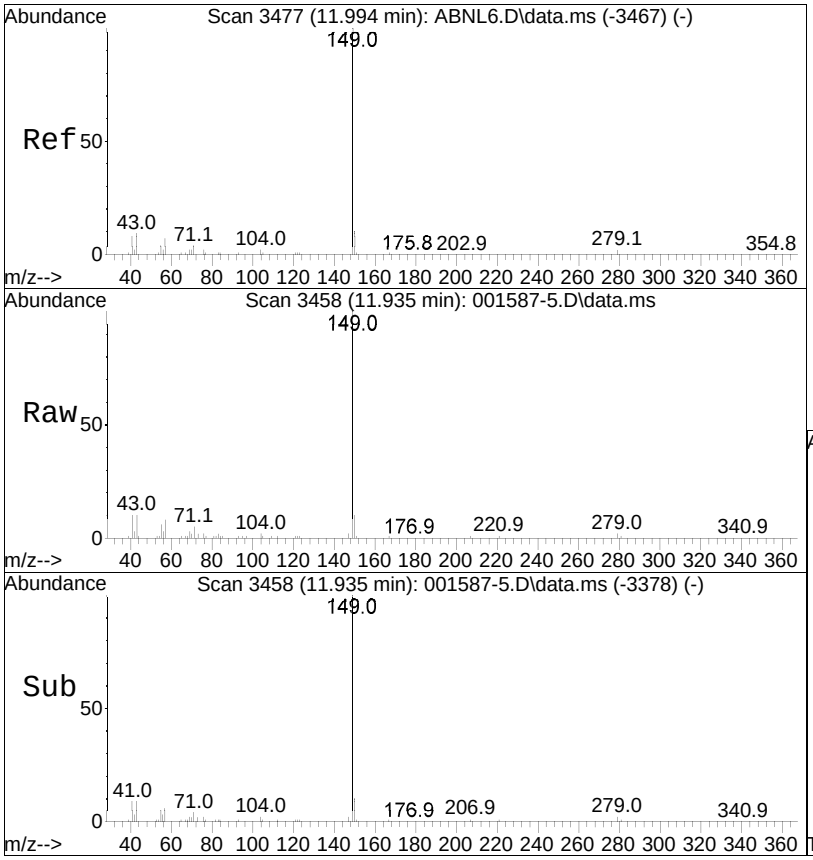


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.73 ug/ml
RT: 11.279 min Scan# 3247
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:149 Resp: 52228

Ion	Ratio	Lower	Upper
149	100		
167	20.6	22.1	33.1#
279	1.6	3.0	4.4#

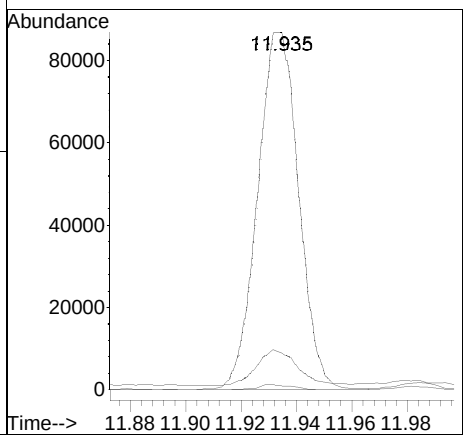




#111
Di-n-octylphthalate
Concen: 1.76 ug/ml
RT: 11.935 min Scan# 3458
Delta R.T. 0.000 min
Lab File: 001587-5.D
Acq: 26 Nov 2024 1:22 am

Tgt Ion:149 Resp: 88730

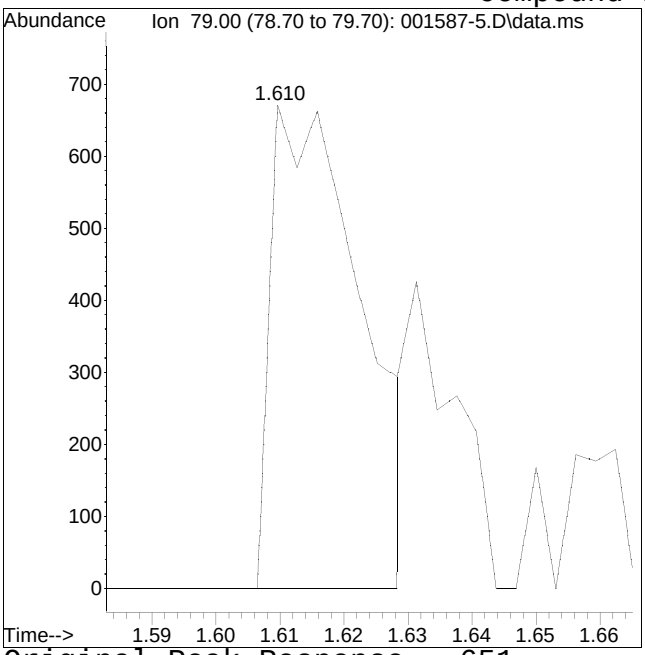
Ion	Ratio	Lower	Upper
149	100		
43	9.9	18.8	28.2#
167	1.3	1.3	1.9



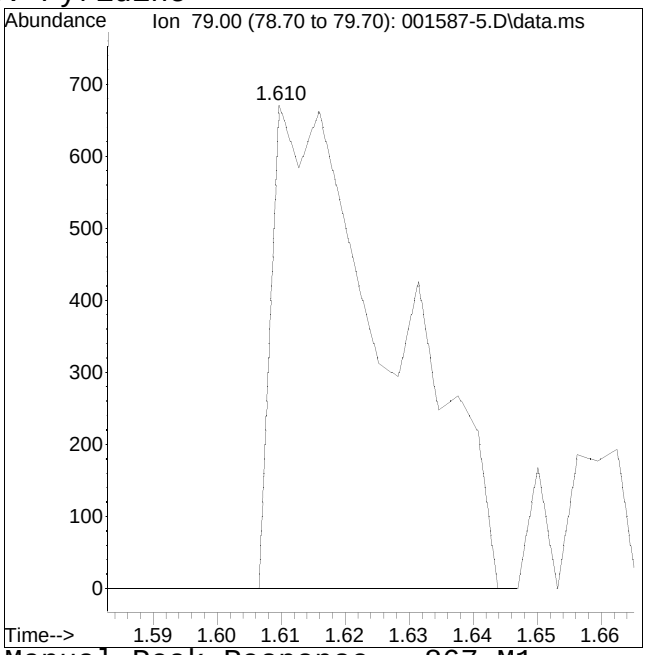
Manual Integration Report

Data Path : I:\8270\Dakota\241125NRVT\QMethod : FS241105RVT_Dakota.m
Data File : 001587-5.D Operator : Dakota:smz
Date Inj'd : 11/26/2024 1:22 am Instrument : Dakota
Sample : WG2001587-5,32,,ASK Quant Date : 11/26/2024 1:40 am

Compound #3: Pyridine



Original Peak Response = 651



Manual Peak Response = 867 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

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)

Nov 26 2024, 12:49 pm

Work Group: WG2001353 for Department: 2 Organic Preparation

Created: 23-NOV-24 Due: Operator: DLP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467646-21	FIELD BLANK	S	NYTCL-8270-RVT	WATER	DONE	U	1125	1125	3E	Amber-A.1
L2467841-01	MW5D-111824-1340	S	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467841-02	MW8D-111824-1450	S	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467841-03	MW10S-111824-1145	S	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467841-04	MW16S2-111824-1235	S	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467841-05	MW7S-111824-1305	S	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467841-06	MW6S-111824-1425	S	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-01	MW-1S	C	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-02	MW-2S	C	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-03	MW-3S	C	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-06	MW-6D	C	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-07	MW-7S	C	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-08	MW-8S	C	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-09	DUP	C	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-10	FIELD BLANK	C	NYTCL-8270-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
WG2001353-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001353-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001353-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001353-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001353-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2001353-3	WG2001353-2
WG2001353-4	L2467841-02
WG2001353-5	L2467841-02

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 26 2024, 12:49 pm

Work Group: WG2001587 for Department: 2 Organic Preparation

Created: 24-NOV-24 Due: Operator: SHD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467934-04	MW-4D	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2467934-05	MW-5S	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-01	SW-01S	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-02	SW-01D	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-03	SW-02S	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-04	SW-03S	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-05	SW-03D	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-06	SW-04S	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-07	SW-04D	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-08	SW-05S	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-09	SW-06S	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-10	SW-06D	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-11	SW-07S	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-12	SW-07D	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-13	SW-08S	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-14	SW-08D	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-15	GW_DUP_111924	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-16	GW_FB_111924	C	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468036-24	FIELD BLANK	S	NYTCL-8270-RVT	WATER	DONE	U	1126	1126	3E	Amber-A.1
WG2001587-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001587-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001587-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001587-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001587-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001587-6	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2001587-7	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2001587-3	WG2001587-2
WG2001587-4	L2468033-01
WG2001587-5	L2468033-01
WG2001587-6	L2467934-05
WG2001587-7	L2467934-05

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

Printed: 06/26/24 Page: 1

Dep.: GCMS
Inst: DAKOTA
Date: **11/05/24**
Run: ICAL

Method
GC: ABNRVT

Seq: WG1994500

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	Tune1	Tune1 Lot # 11144				
1	ABNL9	IL2,32,,ABNL50 Lot# 11111	**Passes Full List**			
2	ABNL8	IL3,32,,ABNL25 Lot# 11112				
3	ABNL7	IL4,32,,ABNL10 Lot# 11113				
4	ABNL6	IL5,32,,ABNL5 Lot# 11114				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11115				
6	ABNL4	IL7,32,,ABNL1 Lot# 11116				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11117				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11149				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11150				
10	AP9L9	IL2,32,,AP9L50 Lot# 11120				
11	AP9L8	IL3,32,,AP9L25 Lot# 11121				
12	AP9L7	IL4,32,,AP9L10 Lot# 11122				
13	AP9L6	IL5,32,,AP9L5 Lot# 11123				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11124				
15	AP9L4	IL7,32,,AP9L1 Lot# 11125				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11126				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11127				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11128				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11138				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11139				
100	Tune2	Tune2 Lot # 11144				
21	ADPL9	IL2,32,,ADPL50 Lot# 11129				
22	ADPL8	IL3,32,,ADPL25 Lot# 11130				
23	ADPL7	IL4,32,,ADPL10 Lot# 11131				
24	ADPL6	IL5,32,,ADPL5 Lot# 11132				
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11133				
26	ADPL4	IL7,32,,ADPL1 Lot# 11134				
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11135				
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11136				
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11137				
30	ADPICV	CQICV,32,,ADPICV Lot# 11140				
31	Blank	Instrument Blank				

241123 **2024**

Dep.: GCMS
Inst: DAKOTA
Date: **11/23/24**
Run:

Method
GC: ABNRVT

Seq: **WG2001490**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified
100	DEG1123	wg-1,32,,Degdftpp Lot #11157			
96	ABN1123	wg-3,32,,ABN 11043 gmr1109B			
97	AP91123	wg-4,32,,AP9 11152 gmr1109B			
98	ADP1123	wg-5,32,,ADP 11153 gmr1109B			
1	001091-1	WG2001091-1,32,,RV,cmm			
2	001091-2	WG2001091-2,32,,RV,cmm			
3	001091-3	WG2001091-3,32,,RV,cmm			
4	001363-1	WG2001363-1,32,,cmm			
5	001363-2	WG2001363-2,32,,cmm			
6	001363-3	WG2001363-3,32,,cmm			
7	001353-1	WG2001353-1,32,,cmm			**SV-RAP**
8	001353-2	WG2001353-2,32,,cmm			
9	001353-3	WG2001353-3,32,,cmm			
10	001400-1	WG2001400-1,32,,cmm			
11	67646-21	L2467646-21,32,,R3E,cmm			
12	68209-02	L2468209-02,32,,R3C,cmm			
13	68209-03	L2468209-03,32,,R3C,cmm			
14	67803-03	L2467803-03,32,,R3E,cmm			
15	68018-01	L2468018-01,32,,R3C,RE,cmm			
16	68259-09	L2468259-09,32,,R3B,RE,cmm			
17	68259-10	L2468259-10,32,,R3B,RE,cmm			
18	67494-05	L2467494-05,32,,RR,cmm			
19	67616-01	L2467616-01,32,,cmm			
20	67934-02	L2467934-02,32,,cmm			
21	67934-03	L2467934-03,32,,cmm			
22	67934-06	L2467934-06,32,,cmm			
23	67934-07	L2467934-07,32,,cmm			
24	67934-08	L2467934-08,32,,cmm			
25	67934-09	L2467934-09,32,,cmm			
26	67934-10	L2467934-10,32,,cmm			cmm
					SV-CRE

Initials
ek 11/24
ek 11/24
ek 11/24
ek 11/24
als 11/24
als 11/24
als 11/24
ek 11/24
ek 11/24
ek 11/24
ek 11/24
ek 11/24
ek 11/24
slr 11/25
ek 11/24
slr 11/25
slr 11/25
slr 11/25
ek 11/24
ek 11/24
ek 11/24
slr 11/25
slr 11/25
ek 11/24
ek 11/24
ek 11/24
ek 11/24
ek 11/24
ek 11/24

Dep.: GCMS
Inst: DAKOTA
Date: **11/24/24**
Run:

Method
GC: ABNRVT

Seq: **WG2001636**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG1124	wg-3,32,,ABN 11043 gmr1109A				smz 11/25
96	ABN1124	wg-4,32,,AP9 11152 gmr1109B	**Passes full list, TCLP**			smz 11/25
97	AP91124	wg-5,32,,ADP 11153 gmr1109A				smz 11/25
98	ADP1124	WG2001508-1,32,,cmm				smz 11/25
1	001508-1	WG2001508-2,32,,cmm				smz 11/25
2	001508-2	WG2001508-3,32,,cmm				smz 11/25
3	001508-3	WG2001536-1,32,,cmm				smz 11/25
4	001536-1	WG2001536-2,32,,cmm				smz 11/25
5	001536-2	WG2001536-3,32,,cmm				smz 11/25
6	001536-3	L2468209-01,32,,R3C,cmm				smz 11/25
7	68209-01	L2467896-02,32,,cmm				smz 11/25
8	67896-02	L2467896-01,32,,cmm				smz 11/25
9	67896-01	L2467296-02,32,,cmm				smz 11/25
10	67296-02	L2468144-04,32,,cmm				
11	68144-04	L2468177-01,32,,R3E,cmm				smz 11/25
12	68177-01	L2468177-02,32,,R3E,cmm				smz 11/25
13	68177-02	L2468177-03,32,,R3E,cmm				smz 11/25
14	68177-03	WG2001576-2,32,,cmm				smz 11/25
15	001576-2	WG2001576-3,32,,cmm				smz 11/25
16	001576-3	WG2001576-1,32,,cmm				smz 11/25
17	001576-1	L2468177-04,32,,R3E,cmm				smz 11/25
18	68177-04	L2468177-05,32,,R3E,cmm				smz 11/25
19	68177-05	L2468177-06,32,,R3E,cmm				smz 11/25
20	68177-06	L2468177-07,32,,R3E,cmm				smz 11/25
21	68177-07	L2467934-01,32,,cmm				smz 11/25
22	67934-01	L2468567-05,32,,cmm				
23	68567-05	L2468567-06,32,,cmm				
24	68567-06	L2468567-07,32,,cmm				
25	68567-07	L2468567-13,32,,cmm				
26	68567-13	L2468567-14,32,,cmm				
27	68567-14	L2468567-14,32,,cmm			**cmm**	
					sv-hny	

Dep.: GCMS
Inst: DAKOTA
Date: **11/25/24**
Run: Night Run

Method
GC: ABNRVT

Seq: **WG2002259**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG1125n	wg-1,32,,Degdftpp Lot # 11163				smz 11/26
96	ABN1125n	wg-3,32,,ABN RVT CCV Lot # 1104	**Passes Full List**			smz 11/26
97	AP91125n	wg-4,32,,AP9 RVT CCV Lot # 11152				smz 11/26
98	ADP1125n	wg-5,32,,ADP RVT CCV Lot # 11153				smz 11/26
1	001863-1	WG2001863-1,32,,ASK				smz 11/26
2	001587-1	WG2001587-1,32,,ASK				smz 11/26
3	001587-2	WG2001587-2,32,,ASK				smz 11/26
4	001587-3	WG2001587-3,32,,ASK				smz 11/26
5	67934-04	L2467934-04,32,,ASK				smz 11/26
6	001587-6	WG2001587-6,32,,ASK				smz 11/26
7	001587-7	WG2001587-7,32,,ASK				smz 11/26
8	67934-05	L2467934-05,32,,ASK				smz 11/26
9	001587-4	WG2001587-4,32,,ASK				smz 11/26
10	001587-5	WG2001587-5,32,,ASK				smz 11/26
11	68033-01	L2468033-01,32,,ASK				smz 11/26
12	68033-02	L2468033-02,32,,ASK				smz 11/26
13	68033-03	L2468033-03,32,,ASK				smz 11/26
14	68033-04	L2468033-04,32,,ASK				smz 11/26
15	68033-05	L2468033-05,32,,ASK				smz 11/26
16	68033-06	L2468033-06,32,,ASK				smz 11/26
17	68033-07	L2468033-07,32,,ASK				smz 11/26
18	68033-08	L2468033-08,32,,ASK				smz 11/26
19	68033-09	L2468033-09,32,,ASK				smz 11/26
20	68033-10	L2468033-10,32,,ASK				smz 11/26
21	68033-11	L2468033-11,32,,ASK				smz 11/26
22	68033-12	L2468033-12,32,,ASK				smz 11/26
23	68033-13	L2468033-13,32,,ASK				smz 11/26
24	68033-14	L2468033-14,32,,ASK				smz 11/26
25	68033-15	L2468033-15,32,,ASK				smz 11/26
26	68033-16	L2468033-16,32,,ASK				smz 11/26
27	68036-24	L2468036-24,32,,R3E,ASK				smz 11/26
28	68039-02	L2468039-02,32,,ASK				
29	68039-04	L2468039-04,32,,ASK			**ASK**	
					sv-gmr	

ORGANIC ELN REPORT

Workgroup: WG2001353

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ507
Surrogate Type: ABN **Lot #:** 11143aa,05/01/2025,4r,6,1
Spike Type: ABN **Lot #:** 11106af,04/23/2025 ;; 11092ab,
Spike Verify by: DLP
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A100324
Na2SO4	23K2961078
NaOH	10NNaOH111224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: ej507

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
L2467646-21 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467841-01 WATER	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K
L2467841-02 WATER	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K
L2467841-03 WATER	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K
L2467841-04 WATER	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K
L2467841-05 WATER	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K
L2467841-06 WATER	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K

Reported: 26-NOV-24 12:49 PM

ORGANIC ELN REPORT

Workgroup: WG2001353

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
L2467934-01 SAMP	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K
L2467934-02 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-03 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-06 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-07 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-08 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-09 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-10 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
WG2001353-1 BLANK	11/23/24 07:28	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K
WG2001353-2 LCS	11/23/24 07:28	Dayle Parsons	100	<2,>12	.1	.1	11/23/24 11:15	Kellsey Geikie	1	K

Reported: 26-NOV-24 12:49 PM

ORGANIC ELN REPORT

Workgroup: WG2001353

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
WG2001353-3 LCSD	11/23/24 07:28	Dayle Parsons	100	<2,>12	.1	.1	11/23/24 11:15	Kellsey Geikie	1	K
WG2001353-4 MS	11/23/24 07:28	Dayle Parsons	100	<2,>12	.1	.1	11/23/24 11:15	Kellsey Geikie	1	K
WG2001353-5 MSD	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1	.1	11/23/24 11:15	Kellsey Geikie	1	K

WG2001353, WG2001354

Reported: 26-NOV-24 12:49 PM

ORGANIC ELN REPORT

Workgroup: WG2001587

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ507
Surrogate Type: ABN **Lot #:** 11143am,05/01/2025,4r,6,1
Spike Type: ABN **Lot #:** 11106ag,04/23/2025,11092ae,0
Spike Verify by: SHD
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A100324
Na2SO4	23K2961078
NaOH	10NNaOH111224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ507

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
L2467934-04 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2467934-05 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-01 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-02 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-03 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-04 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-05 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K

Reported: 26-NOV-24 12:49 PM

ORGANIC ELN REPORT

Workgroup: WG2001587

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
L2468033-06 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-07 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-08 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-09 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-10 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-11 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-12 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-13 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-14 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-15 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K

Reported: 26-NOV-24 12:49 PM

ORGANIC ELN REPORT

Workgroup: WG2001587

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
L2468033-16 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468036-24 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
WG2001587-1 BLANK	11/24/24 00:52 **WG2001588**	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
WG2001587-2 LCS	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001587-3 LCSD	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001587-4 MS	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001587-5 MSD	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001587-6 MS	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001587-7 MSD	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
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 (L2467934-01)	49	36	75	73	95	82	0
MW-2S (L2467934-02)	56	41	95	90	108	103	0
MW-3S (L2467934-03)	53	38	87	80	94	86	0
MW-4D (L2467934-04)	30	23	80	78	77	85	0
MW-5S (L2467934-05)	32	22	69	69	84	88	0
MW-6D (L2467934-06)	51	37	83	79	99	93	0
MW-7S (L2467934-07)	48	35	81	76	83	79	0
MW-8S (L2467934-08)	48	36	76	70	82	79	0
DUP (L2467934-09)	51	37	85	79	92	85	0
FIELD BLANK (L2467934-10)	52	37	86	80	92	84	0
WG2001354-1BLANK	64	48	94	86	107	102	0
WG2001354-2LCS	62	48	87	81	114	99	0
WG2001354-3LCSD	57	46	79	75	106	90	0
WG2001588-1BLANK	27	22	69	68	67	76	0
WG2001588-2LCS	46	34	91	84	112	96	0
WG2001588-3LCSD	38	29	75	73	100	89	0
MW-5SMS	41	30	81	78	102	82	0
MW-5SMSD	43	31	84	79	101	83	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001354-2 **Analysis Date** : 11/23/24 21:03	**File ID**	: 001354-2
LCSD Sample ID	: WG2001354-3 **Analysis Date** : 11/23/24 21:19	**File ID**	: 001354-3

	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	18	89	20	16	83	7	40-140	40
2-Chloronaphthalene	20	16	78	20	14	72	8	40-140	40
Fluoranthene	20	20	101	20	19	94	7	40-140	40
Hexachlorobutadiene	20	15	76	20	14	69	10	40-140	40
Naphthalene	20	15	76	20	14	71	7	40-140	40
Benzo(a)anthracene	20	22	110	20	21	105	5	40-140	40
Benzo(a)pyrene	20	22	113	20	22	108	5	40-140	40
Benzo(b)fluoranthene	20	22	108	20	21	103	5	40-140	40
Benzo(k)fluoranthene	20	23	113	20	22	109	4	40-140	40
Chrysene	20	23	116	20	22	110	5	40-140	40
Acenaphthylene	20	16	81	20	15	75	8	40-140	40
Anthracene	20	21	104	20	19	96	8	40-140	40
Benzo(ghi)perylene	20	20	102	20	19	97	5	40-140	40
Fluorene	20	19	95	20	18	88	8	40-140	40
Phenanthrene	20	21	105	20	20	99	6	40-140	40
Dibenzo(a,h)anthracene	20	21	106	20	20	101	5	40-140	40
Indeno(1,2,3-cd)pyrene	20	22	110	20	21	105	5	40-140	40
Pyrene	20	20	100	20	18	91	9	40-140	40
2-Methylnaphthalene	20	16	79	20	15	73	8	40-140	40
Pentachlorophenol	20	22	112	20	22	108	4	40-140	40
Hexachlorobenzene	20	21	107	20	20	100	7	40-140	40
Hexachloroethane	20	15	76	20	14	68	11	40-140	40

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001588-2 **Analysis Date** : 11/24/24 11:12	**File ID**	: 001588-2
LCSD Sample ID	: WG2001588-3 **Analysis Date** : 11/24/24 11:29	**File ID**	: 001588-3

	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	17	84	20	15	77	9	40-140	40
2-Chloronaphthalene	20	15	77	20	14	69	11	40-140	40
Fluoranthene	20	20	100	20	19	93	7	40-140	40
Hexachlorobutadiene	20	13	64	20	12	58	10	40-140	40
Naphthalene	20	15	73	20	14	70	4	40-140	40
Benzo(a)anthracene	20	21	106	20	19	97	9	40-140	40
Benzo(a)pyrene	20	22	110	20	20	101	9	40-140	40
Benzo(b)fluoranthene	20	21	107	20	19	96	11	40-140	40
Benzo(k)fluoranthene	20	22	109	20	20	102	7	40-140	40
Chrysene	20	22	111	20	20	102	8	40-140	40
Acenaphthylene	20	16	82	20	15	74	10	40-140	40
Anthracene	20	20	98	20	18	90	9	40-140	40
Benzo(ghi)perylene	20	20	101	20	19	94	7	40-140	40
Fluorene	20	18	92	20	17	84	9	40-140	40
Phenanthrene	20	20	101	20	18	93	8	40-140	40
Dibenzo(a,h)anthracene	20	20	103	20	19	96	7	40-140	40
Indeno(1,2,3-cd)pyrene	20	22	109	20	20	102	7	40-140	40
Pyrene	20	20	98	20	18	91	7	40-140	40
2-Methylnaphthalene	20	15	77	20	14	69	11	40-140	40
Pentachlorophenol	20	21	106	20	19	97	9	40-140	40
Hexachlorobenzene	20	19	97	20	18	90	7	40-140	40
Hexachloroethane	20	13	65	20	11	56	15	40-140	40

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/24/24 16:54
Matrix Spike	: WG2001588-6	**MS Analysis Date**	: 11/24/24 17:10
Matrix Spike Dup	: WG2001588-7	**MSD Analysis Date**	: 11/24/24 17:26

		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	16	80	20	16	80	0	40-140	40
2-Chloronaphthalene	ND	20	14	70	20	15	75	7	40-140	40
Fluoranthene	ND	20	18	90	20	18	90	0	40-140	40
Hexachlorobutadiene	ND	20	12	60	20	13	65	8	40-140	40
Naphthalene	ND	20	14	70	20	14	70	0	40-140	40
Benzo(a)anthracene	ND	20	19	95	20	19	95	0	40-140	40
Benzo(a)pyrene	ND	20	20	100	20	20	100	0	40-140	40
Benzo(b)fluoranthene	0.03J	20	19	95	20	19	95	0	40-140	40
Benzo(k)fluoranthene	ND	20	19	95	20	20	100	5	40-140	40
Chrysene	ND	20	20	100	20	20	100	0	40-140	40
Acenaphthylene	ND	20	15	75	20	15	75	0	40-140	40
Anthracene	ND	20	18	90	20	18	90	0	40-140	40
Benzo(ghi)perylene	ND	20	18	90	20	18	90	0	40-140	40
Fluorene	ND	20	17	85	20	17	85	0	40-140	40
Phenanthrene	ND	20	18	90	20	18	90	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	20	100	20	19	95	5	40-140	40
Pyrene	ND	20	17	85	20	17	85	0	40-140	40
2-Methylnaphthalene	ND	20	14	70	20	15	75	7	40-140	40
Pentachlorophenol	ND	20	19	95	20	19	95	0	40-140	40
Hexachlorobenzene	0.01J	20	18	90	20	19	95	5	40-140	40
Hexachloroethane	ND	20	12	60	20	12	60	0	40-140	40

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2001354-1	**Lab File ID**	: 001354-1
Instrument ID	: SV120	**Extraction Date**	: 11/23/24
Matrix	: WATER	**Analysis Date**	: 11/23/24 21:35
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2001354-2LCS	WG2001354-2	11/23/24 21:03
WG2001354-3LCSD	WG2001354-3	11/23/24 21:19
MW-1S	L2467934-01	11/23/24 21:52
MW-2S	L2467934-02	11/23/24 22:40
MW-3S	L2467934-03	11/23/24 22:56
MW-6D	L2467934-06	11/23/24 23:13
MW-7S	L2467934-07	11/23/24 23:29
MW-8S	L2467934-08	11/23/24 23:45
DUP	L2467934-09	11/24/24 00:01
FIELD BLANK	L2467934-10	11/24/24 00:17

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2001588-1	**Lab File ID**	: 001588-1
Instrument ID	: SV120	**Extraction Date**	: 11/24/24
Matrix	: WATER	**Analysis Date**	: 11/24/24 10:56
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2001588-2LCS	WG2001588-2	11/24/24 11:12
WG2001588-3LCSD	WG2001588-3	11/24/24 11:29
MW-4D	L2467934-04	11/24/24 16:38
MW-5S	L2467934-05	11/24/24 16:54
MW-5SMS	WG2001588-6	11/24/24 17:10
MW-5SMSD	WG2001588-7	11/24/24 17:26

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 11/05/24 06:14
Tune Standard	: R1896399-12	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	54.6
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 (.6)1
127	10.0 - 80.0% of Base Peak	54.3
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	6.2
275	10.0 - 60.0% of Base Peak	24.2
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	16.6
442	Base Peak, or >50% of mass 198	73.2
443	15.0 - 24.0% of mass 442	14.6 (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
IL10	R1896399-3	IL10	11/05/24 07:30
IL9	R1896399-11	IL9	11/05/24 07:47
IL8	R1896399-10	IL8	11/05/24 08:03
IL7	R1896399-9	IL7	11/05/24 08:19
IL6	R1896399-8	IL6	11/05/24 08:36
IL5	R1896399-7	IL5	11/05/24 08:52
IL4	R1896399-5	IL4	11/05/24 09:08
IL3	R1896399-6	IL3	11/05/24 09:24
IL2	R1896399-4	IL2	11/05/24 09:41
IL1	R1896399-2	IL1	11/05/24 09:57
	R1896399-1	ICV	11/05/24 10:13

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 11/23/24 13:23
Tune Standard	: WG2001483-1	**Tune File ID**	: deg1123_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52.7
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 (.6)1
127	10.0 - 80.0% of Base Peak	55
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	23.9
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	17
442	Base Peak, or >50% of mass 198	73.9
443	15.0 - 24.0% of mass 442	14.4 (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
WG2001483-4TFACTOR-B	WG2001483-4	DEG1123	11/23/24 13:23
WG2001483-5TFACTOR-P	WG2001483-5	DEG1123	11/23/24 13:23
WG2001483-3CCAL	WG2001483-3	CCV1123	11/23/24 13:43
WG2001354-2LCS	WG2001354-2	001354-2	11/23/24 21:03
WG2001354-3LCSD	WG2001354-3	001354-3	11/23/24 21:19
WG2001354-1BLANK	WG2001354-1	001354-1	11/23/24 21:35
MW-1S	L2467934-01	67934-01	11/23/24 21:52
MW-2S	L2467934-02	67934-02	11/23/24 22:40
MW-3S	L2467934-03	67934-03	11/23/24 22:56
MW-6D	L2467934-06	67934-06	11/23/24 23:13
MW-7S	L2467934-07	67934-07	11/23/24 23:29
MW-8S	L2467934-08	67934-08	11/23/24 23:45
DUP	L2467934-09	67934-09	11/24/24 00:01
FIELD BLANK	L2467934-10	67934-10	11/24/24 00:17

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 11/24/24 10:07
Tune Standard	: WG2001670-1	**Tune File ID**	: deg1124_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	54.8
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0 (0)1
127	10.0 - 80.0% of Base Peak	55.7
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	7.3
275	10.0 - 60.0% of Base Peak	24
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	18.7
442	Base Peak, or >50% of mass 198	71
443	15.0 - 24.0% of mass 442	14.5 (20.4)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
WG2001670-4TFACTOR-B	WG2001670-4	DEG1124	11/24/24 10:07
WG2001670-5TFACTOR-P	WG2001670-5	DEG1124	11/24/24 10:07
WG2001670-3CCAL	WG2001670-3	CCV1124	11/24/24 10:23
WG2001588-1BLANK	WG2001588-1	001588-1	11/24/24 10:56
WG2001588-2LCS	WG2001588-2	001588-2	11/24/24 11:12
WG2001588-3LCSD	WG2001588-3	001588-3	11/24/24 11:29
MW-4D	L2467934-04	67934-04	11/24/24 16:38
MW-5S	L2467934-05	67934-05	11/24/24 16:54
WG2001588-6MS	WG2001588-6	001588-6	11/24/24 17:10
WG2001588-7MSD	WG2001588-7	001588-7	11/24/24 17:26

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 11/23/24 13:43:00
Sample No	: WG2001483-3	**Lab File ID**	: CCV1123

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2001483-3	197300	2.29	788071	2.95	454891	3.93
Upper Limit	394600	2.79	1576142	3.45	909782	4.43
Lower Limit	98650	1.79	394036	2.45	227446	3.43
Sample ID						
WG2001354-2 LCS	288893	2.30	1161925	2.96	599537	3.93
WG2001354-3 LCSD	317141	2.30	1268828	2.96	659148	3.93
WG2001354-1 BLANK	308968	2.30	1205645	2.95	657406	3.93
MW-1S	295981	2.30	1142539	2.96	616477	3.93
MW-2S	253079	2.30	987915	2.96	537785	3.93
MW-3S	323665	2.30	1266947	2.96	689434	3.93
MW-6D	282849	2.30	1096491	2.96	594606	3.93
MW-7S	327352	2.30	1282960	2.96	710258	3.93
MW-8S	346185	2.30	1354661	2.96	744231	3.93
DUP	361590	2.31	1411108	2.96	773488	3.93
FIELD BLANK	323014	2.31	1263842	2.96	697791	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 11/23/24 13:43:00
Sample No	: WG2001483-3	**Lab File ID**	: CCV1123

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2001483-3	895540	4.77	800941	6.35	758213	7.58
Upper Limit	1791080	5.27	1601882	6.85	1516426	8.08
Lower Limit	447770	4.27	400471	5.85	379107	7.08
Sample ID						
WG2001354-2 LCS	1051890	4.77	760371	6.33	703631	7.56
WG2001354-3 LCSD	1143773	4.77	769010	6.33	688969	7.57
WG2001354-1 BLANK	1183714	4.77	923634	6.33	769850	7.56
MW-1S	1089831	4.77	797499	6.33	709289	7.57
MW-2S	970775	4.77	734925	6.33	638465	7.56
MW-3S	1241936	4.77	886291	6.33	700671	7.56
MW-6D	1072012	4.77	803541	6.33	683426	7.57
MW-7S	1267935	4.77	878412	6.33	702293	7.56
MW-8S	1338650	4.77	957737	6.33	759982	7.56
DUP	1373270	4.77	901303	6.33	716337	7.56
FIELD BLANK	1229713	4.77	821515	6.33	690119	7.56

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 11/24/24 10:23:00
Sample No	: WG2001670-3	**Lab File ID**	: CCV1124

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2001670-3	217001	2.30	867141	2.96	513045	3.93
Upper Limit	434002	2.80	1734282	3.46	1026090	4.43
Lower Limit	108501	1.80	433571	2.46	256523	3.43
Sample ID						
WG2001588-1 BLANK	341500	2.30	1372589	2.96	795120	3.93
WG2001588-2 LCS	279973	2.30	1179869	2.95	649285	3.93
WG2001588-3 LCSD	261386	2.30	1083249	2.95	597962	3.93
MW-4D	222846	2.30	881536	2.95	508594	3.93
MW-5S	179578	2.30	701387	2.95	404317	3.93
MW-5S MS	225779	2.30	945823	2.95	529583	3.93
MW-5S MSD	251286	2.30	1043515	2.96	574182	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 11/24/24 10:23:00
Sample No	: WG2001670-3	**Lab File ID**	: CCV1124

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2001670-3	1011820	4.77	870473	6.33	832237	7.56
Upper Limit	2023640	5.27	1740946	6.83	1664474	8.06
Lower Limit	505910	4.27	435237	5.83	416119	7.06
Sample ID						
WG2001588-1 BLANK	1516387	4.77	1232152	6.33	1022520	7.56
WG2001588-2 LCS	1208995	4.77	853829	6.33	740795	7.56
WG2001588-3 LCSD	1134586	4.77	828444	6.33	744158	7.56
MW-4D	959899	4.77	750459	6.33	660797	7.56
MW-5S	802736	4.77	741459	6.33	670804	7.56
MW-5S MS	1001483	4.77	711956	6.33	644848	7.56
MW-5S MSD	1047132	4.77	718842	6.33	637546	7.56

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 22:56
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-03	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:38
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-04	**Analyst**	: KMH
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	0.03	0.10	0.02	JB
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:54
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-05	**Analyst**	: KMH
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	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	0.03	0.10	0.03	J
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	0.01	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:13
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-06	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:29
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-07	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 23:45
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-08	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 00:01
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-09	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 00:17
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 67934-10	**Analyst**	: DV
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	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001354-1	**Date Collected**	: NA
Client ID	: WG2001354-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/23/24 21:35
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 001354-1	**Analyst**	: DV
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	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	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Lab ID	: WG2001588-1	Date Collected	: NA
Client ID	: WG2001588-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/24/24 10:56
Sample Matrix	: WATER	Date Extracted	: 11/24/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 001588-1	Analyst	: KMH
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	0.13	0.10	0.02	
91-58-7	2-Chloronaphthalene	0.10	0.20	0.02	J
206-44-0	Fluoranthene	0.10	0.10	0.03	
87-68-3	Hexachlorobutadiene	0.17	0.50	0.02	J
91-20-3	Naphthalene	0.12	0.10	0.02	
56-55-3	Benzo(a)anthracene	0.09	0.10	0.03	J
50-32-8	Benzo(a)pyrene	0.07	0.10	0.02	J
205-99-2	Benzo(b)fluoranthene	0.07	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	0.09	0.10	0.03	J
218-01-9	Chrysene	0.07	0.10	0.03	J
208-96-8	Acenaphthylene	0.08	0.10	0.02	J
120-12-7	Anthracene	0.09	0.10	0.02	J
191-24-2	Benzo(ghi)perylene	0.06	0.10	0.02	J
86-73-7	Fluorene	0.11	0.10	0.03	
85-01-8	Phenanthrene	0.13	0.10	0.04	
53-70-3	Dibenzo(a,h)anthracene	0.07	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	0.10	0.02	J
129-00-0	Pyrene	0.10	0.10	0.04	
91-57-6	2-Methylnaphthalene	0.13	0.10	0.03	
87-86-5	Pentachlorophenol	0.10	0.80	0.06	J
118-74-1	Hexachlorobenzene	0.11	0.80	0.01	J
67-72-1	Hexachloroethane	0.13	0.80	0.02	J

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-01.D
Acq On : 23 Nov 2024 09:52 pm
Operator : SV120:dv
Sample : L2467934-01,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 25 12:24:29 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	295981	4000.000	ng/ml	0.02
Standard Area 1 = 197300			Recovery = 150.02%			
8) Naphthalene-d8	2.956	136	1142539	4000.000	ng/ml	0.00
Standard Area 1 = 788071			Recovery = 144.98%			
17) Acenaphthene-d10	3.931	164	616477	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery = 135.52%			
22) Phenanthrene-d10	4.769	188	1089831	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery = 121.70%			
31) Chrysene-d12	6.331	240	797499	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery = 99.57%			
36) Perylene-d12	7.565	264	709289	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery = 93.55%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.747	112	85385M3	980.070	ng/ml	0.04
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.00%			
3) Phenol-d6	2.121	99	77450	723.503	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.18%			
7) Nitrobenzene-d5	2.578	82	70442	745.391	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.54%			
13) 2-Fluorobiphenyl	3.550	172	168277	730.733	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.07%			
21) 2,4,6-Tribromophenol	4.376	330	46580	1898.063	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 94.90%			
30) 4-Terphenyl-d14	5.684	244	163412	824.618	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 41.23%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.967	128	3404	11.918	ng/ml#	90
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	3.344	142	704	3.550	ng/ml	94
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	3.945	153	974M6	5.234	ng/ml	
20) Fluorene	4.238	166	1133	5.627	ng/ml	92
24) Hexachlorobenzene	0.000		0	N.D.	d	

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-01.D
Acq On : 23 Nov 2024 09:52 pm
Operator : SV120:dv
Sample : L2467934-01,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 25 12:24:29 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Pentachlorophenol	4.669	266	358	18.672	ng/ml	98
26) Phenanthrene	4.783	178	2078M6	8.001	ng/ml	
27) Anthracene	4.810	178	1337	4.976	ng/ml#	85
28) Fluoranthene	5.462	202	1008	3.370	ng/ml#	91
29) Pyrene	5.594	202	1123	3.641	ng/ml	93
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	

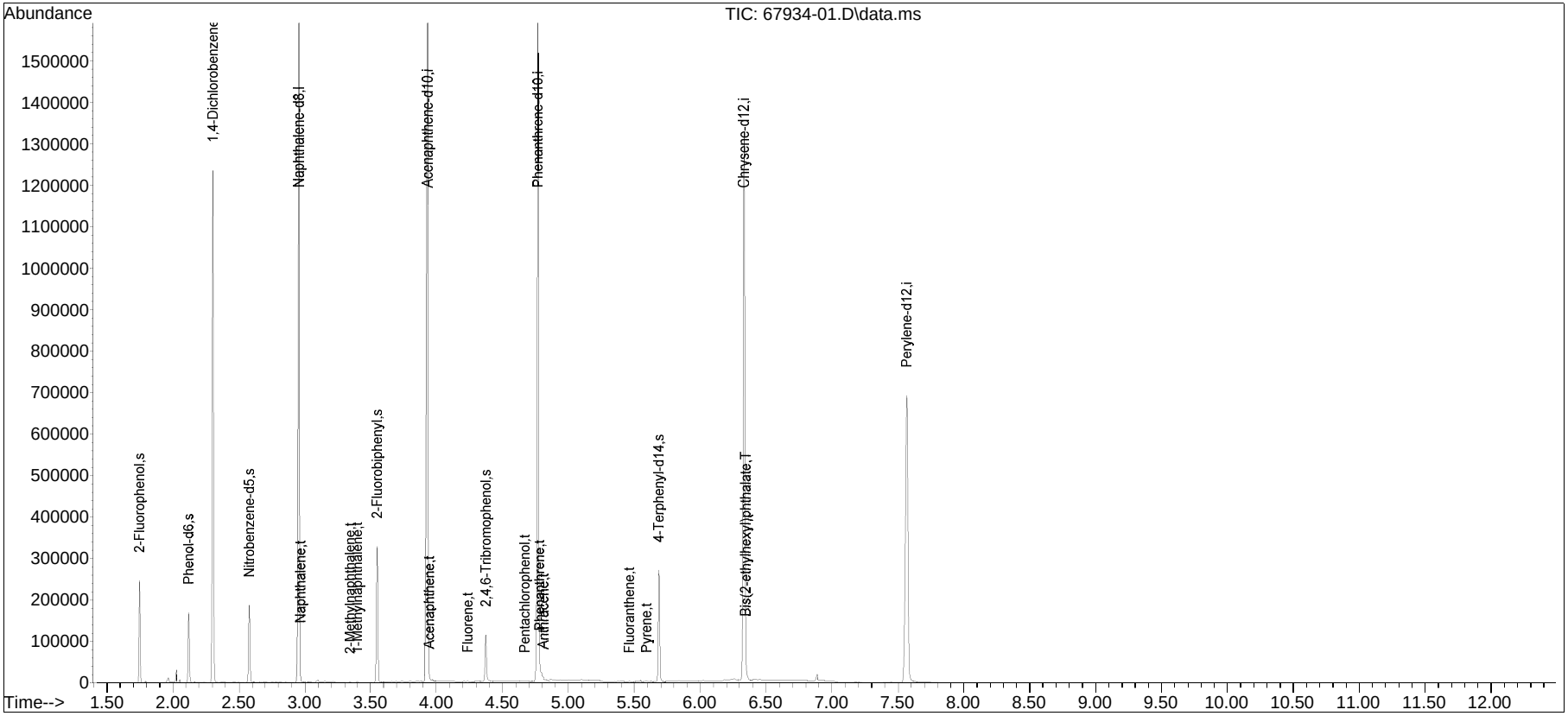
(#) = qualifier out of range (m) = manual integration (+) = signals summed

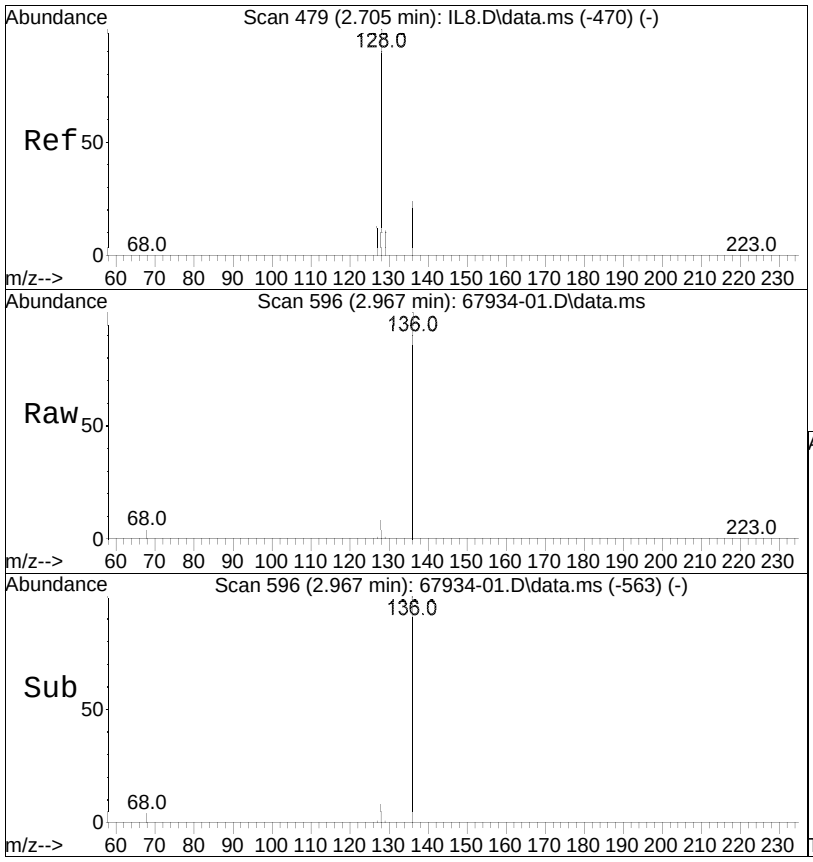
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-01.D
Acq On : 23 Nov 2024 09:52 pm
Operator : SV120:dv
Sample : L2467934-01,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 25 12:24:29 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•

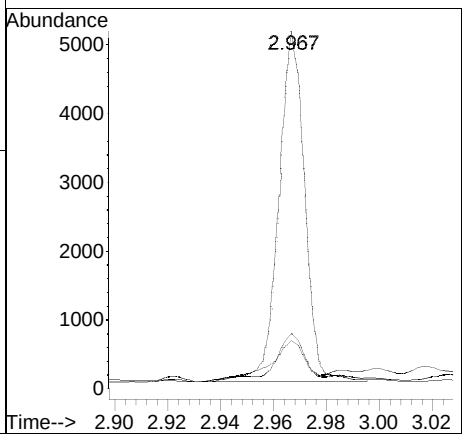


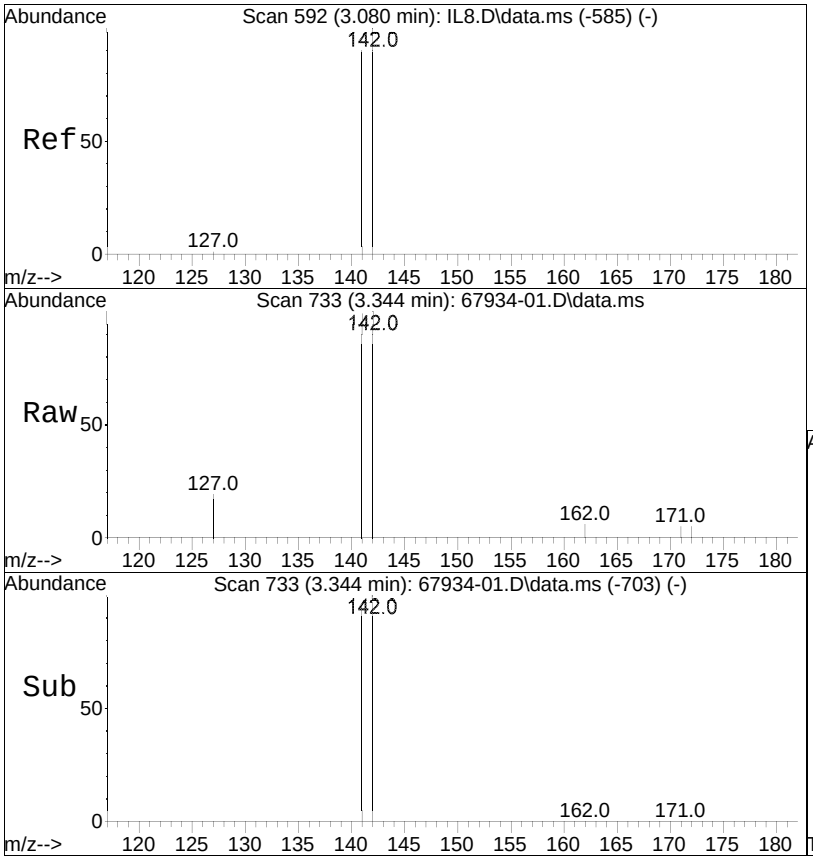


#9
Naphthalene
Concen: 11.92 ng/ml
RT: 2.967 min Scan# 596
Delta R.T. 0.005 min
Lab File: 67934-01.D
Acq: 23 Nov 2024 09:52 pm

Tgt Ion:128 Resp: 3404

Ion	Ratio	Lower	Upper
128	100		
129	16.4	8.9	13.3#
127	15.7	10.7	16.1

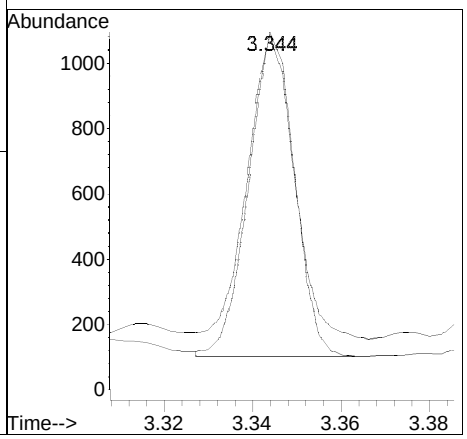


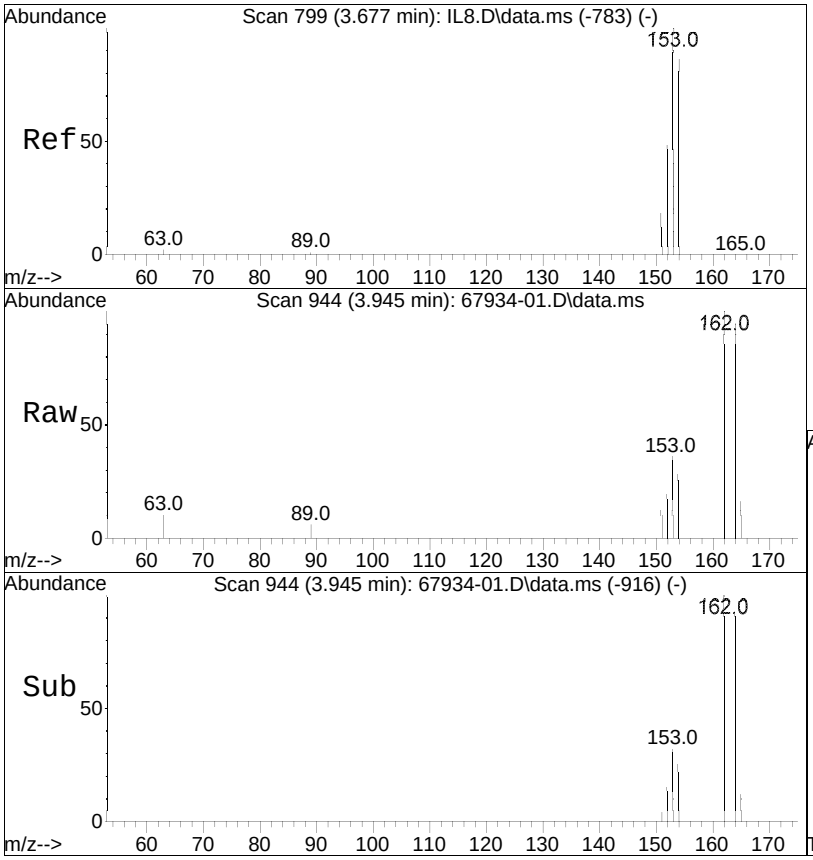


#11
2-Methylnaphthalene
Concen: 3.55 ng/ml
RT: 3.344 min Scan# 733
Delta R.T. 0.005 min
Lab File: 67934-01.D
Acq: 23 Nov 2024 09:52 pm

Tgt Ion:142 Resp: 704

Ion	Ratio	Lower	Upper
142	100		
141	95.6	72.2	108.2

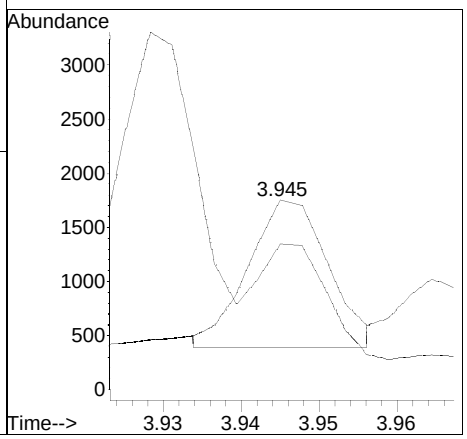


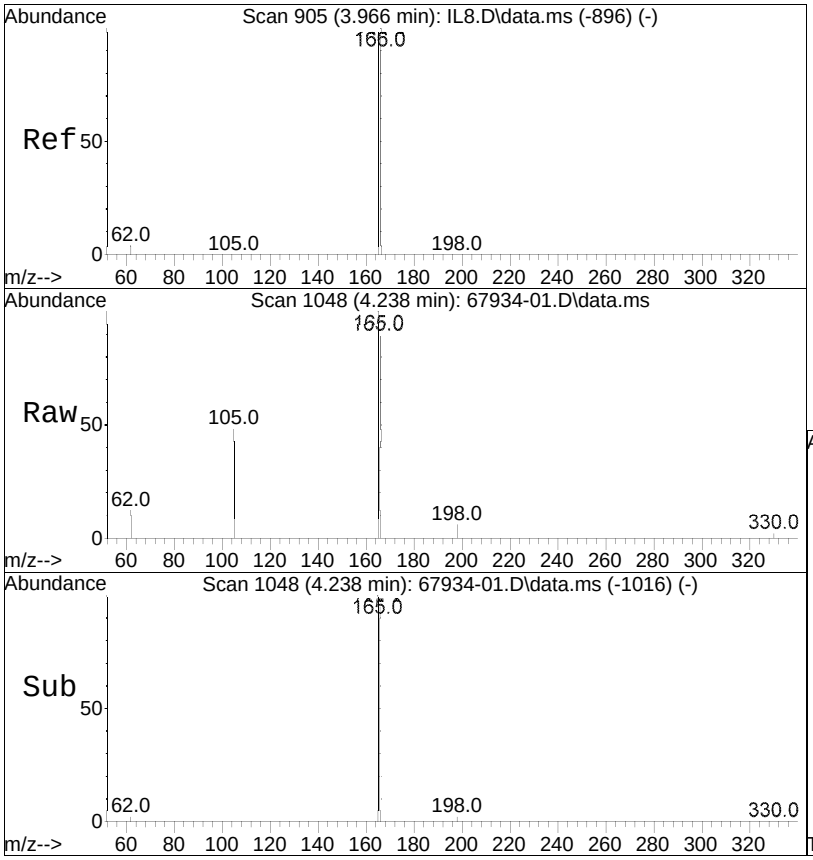


#18
Acenaphthene
Concen: 5.23 ng/ml M6
RT: 3.945 min Scan# 944
Delta R.T. -0.001 min
Lab File: 67934-01.D
Acq: 23 Nov 2024 09:52 pm

Tgt Ion:153 Resp: 974

Ion	Ratio	Lower	Upper
153	100		
154	68.0	69.8	104.6#

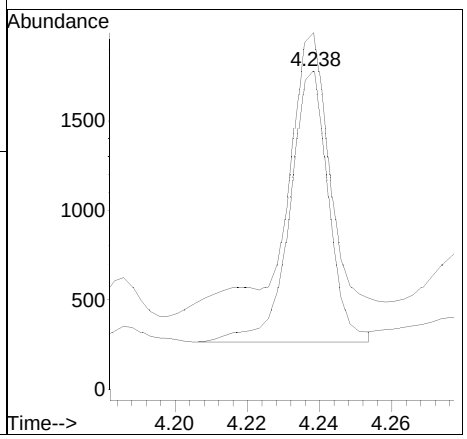


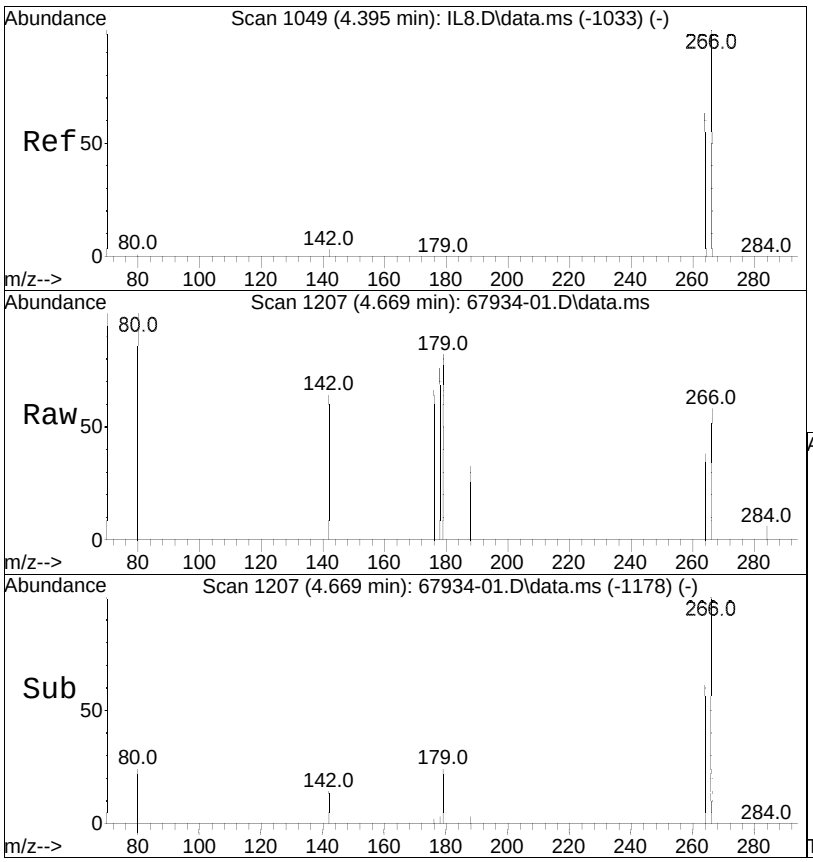


#20
Fluorene
Concen: 5.63 ng/ml
RT: 4.238 min Scan# 1048
Delta R.T. 0.001 min
Lab File: 67934-01.D
Acq: 23 Nov 2024 09:52 pm

Tgt Ion:166 Resp: 1133

Ion	Ratio	Lower	Upper
166	100		
165	92.5	80.1	120.1

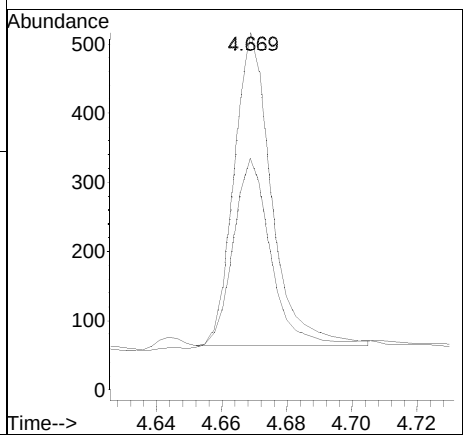


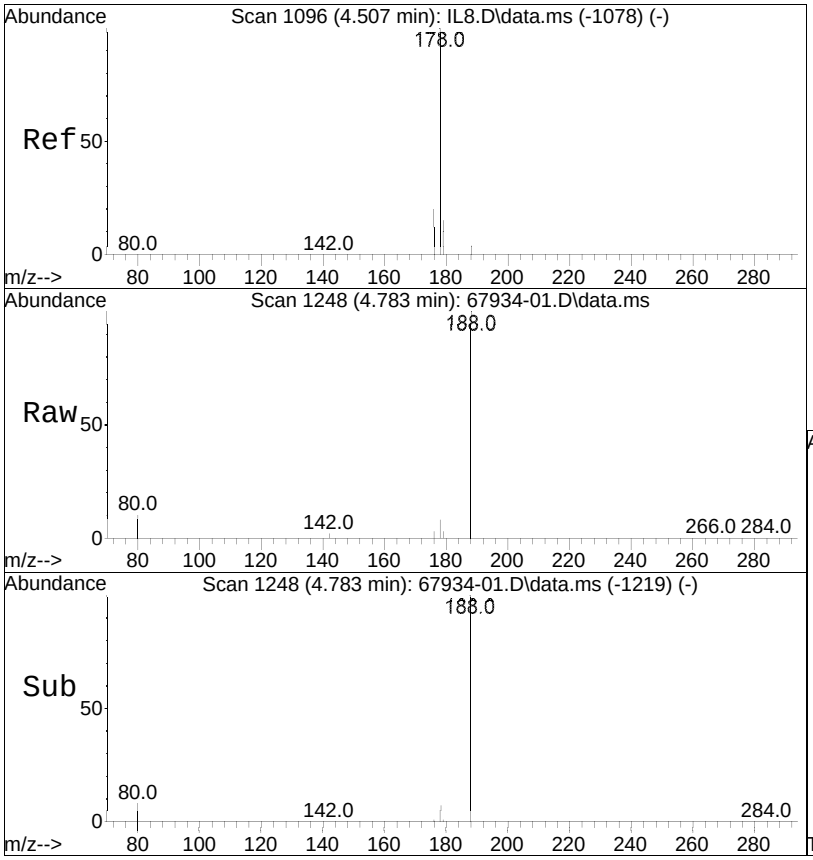


#25
Pentachlorophenol
Concen: 18.67 ng/ml
RT: 4.669 min Scan# 1207
Delta R.T. 0.001 min
Lab File: 67934-01.D
Acq: 23 Nov 2024 09:52 pm

Tgt Ion:266 Resp: 358

Ion	Ratio	Lower	Upper
266	100		
264	64.8	50.3	75.5

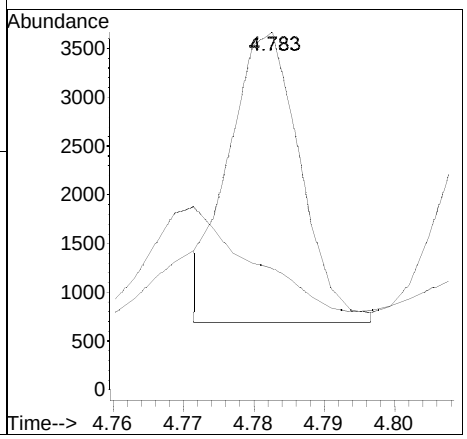


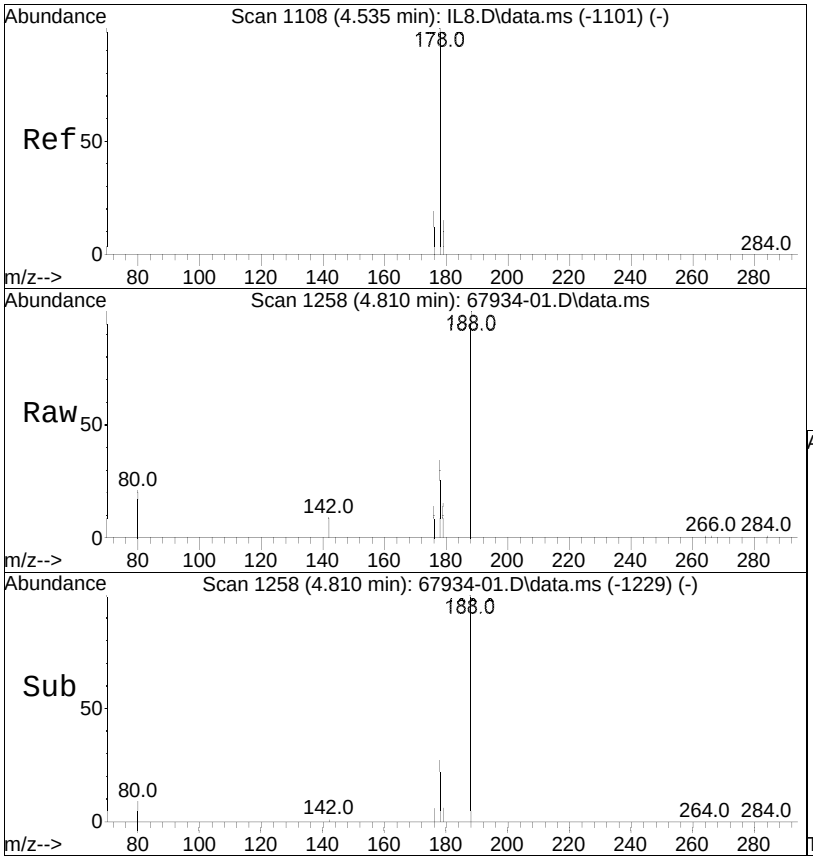


#26
Phenanthrene
Concen: 8.00 ng/ml M6
RT: 4.783 min Scan# 1248
Delta R.T. 0.001 min
Lab File: 67934-01.D
Acq: 23 Nov 2024 09:52 pm

Tgt Ion:178 Resp: 2078

Ion	Ratio	Lower	Upper
178	100		
179	8.5	12.5	18.7#

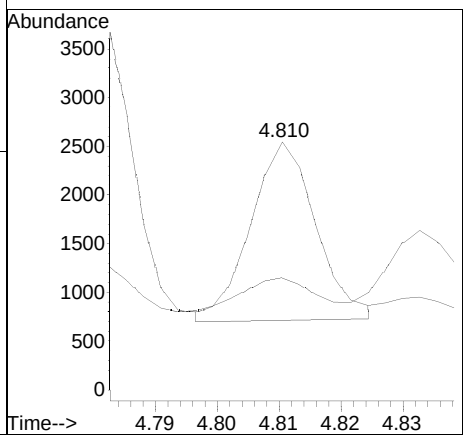


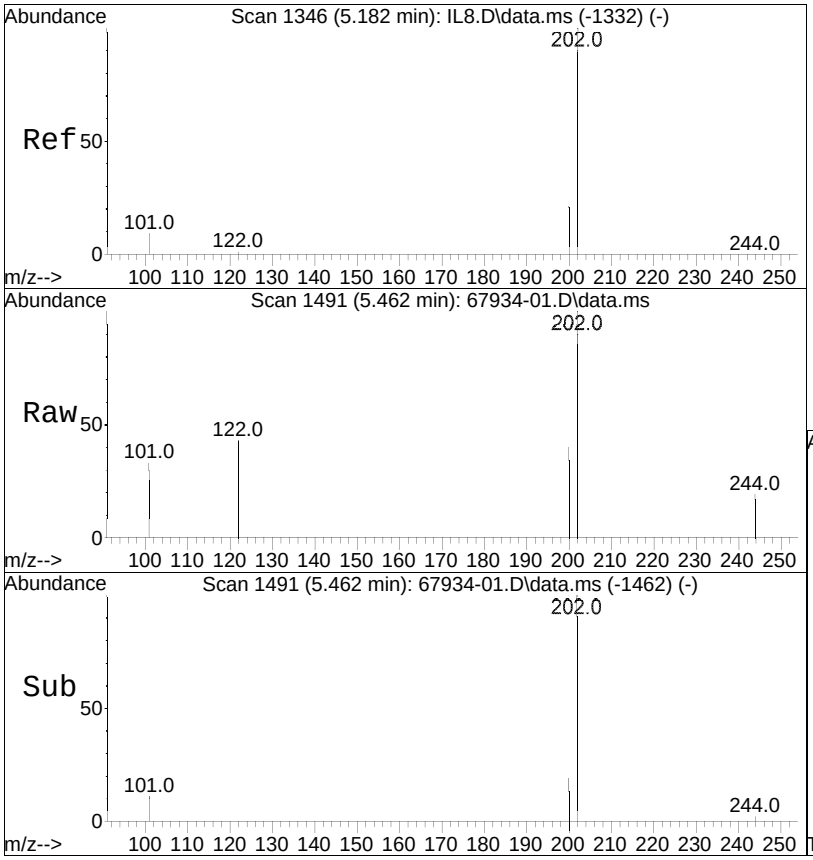


#27
Anthracene
Concen: 4.98 ng/ml
RT: 4.810 min Scan# 1258
Delta R.T. 0.001 min
Lab File: 67934-01.D
Acq: 23 Nov 2024 09:52 pm

Tgt Ion:178 Resp: 1337

Ion	Ratio	Lower	Upper
178	100		
179	21.8	12.3	18.5#

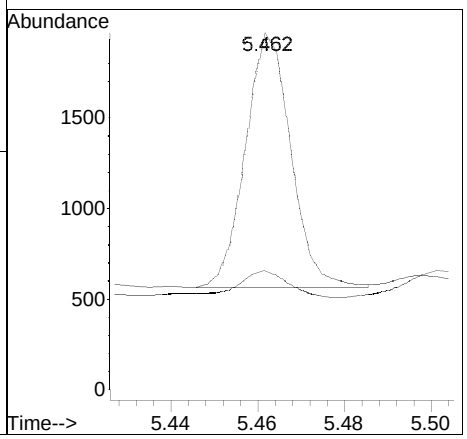


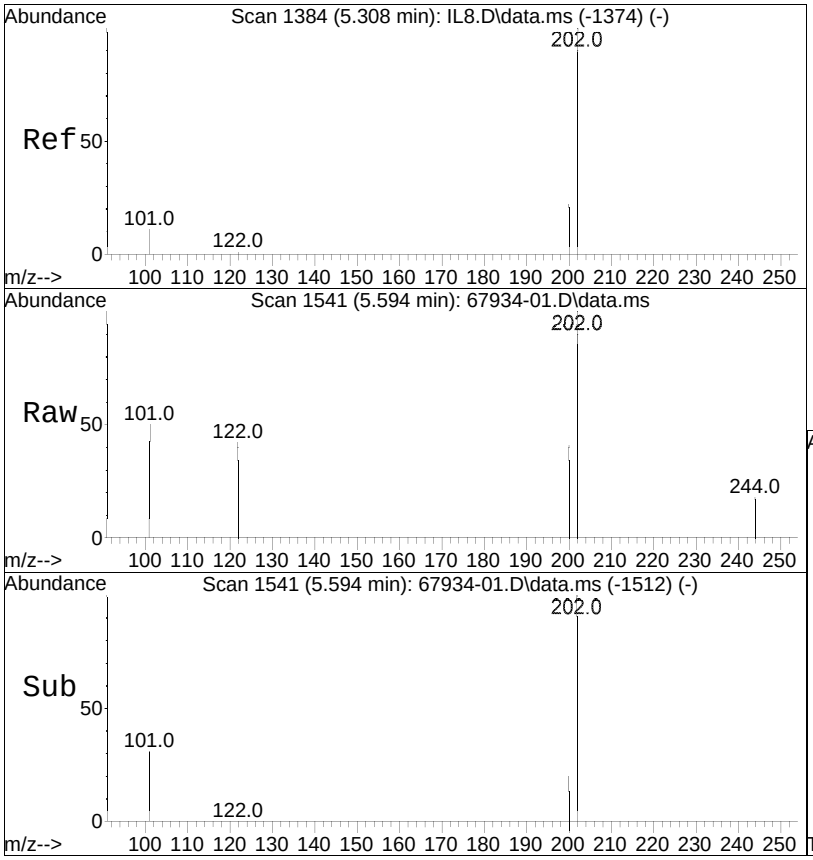


#28
Fluoranthene
Concen: 3.37 ng/ml
RT: 5.462 min Scan# 1491
Delta R.T. -0.004 min
Lab File: 67934-01.D
Acq: 23 Nov 2024 09:52 pm

Tgt Ion:202 Resp: 1008

Ion	Ratio	Lower	Upper
202	100		
101	13.1	7.8	11.6#

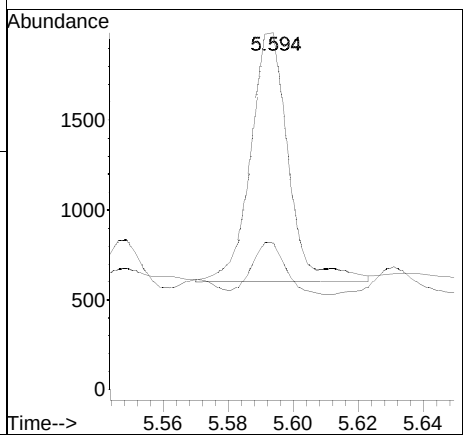




#29
Pyrene
Concen: 3.64 ng/ml
RT: 5.594 min Scan# 1541
Delta R.T. -0.004 min
Lab File: 67934-01.D
Acq: 23 Nov 2024 09:52 pm

Tgt Ion:202 Resp: 1123

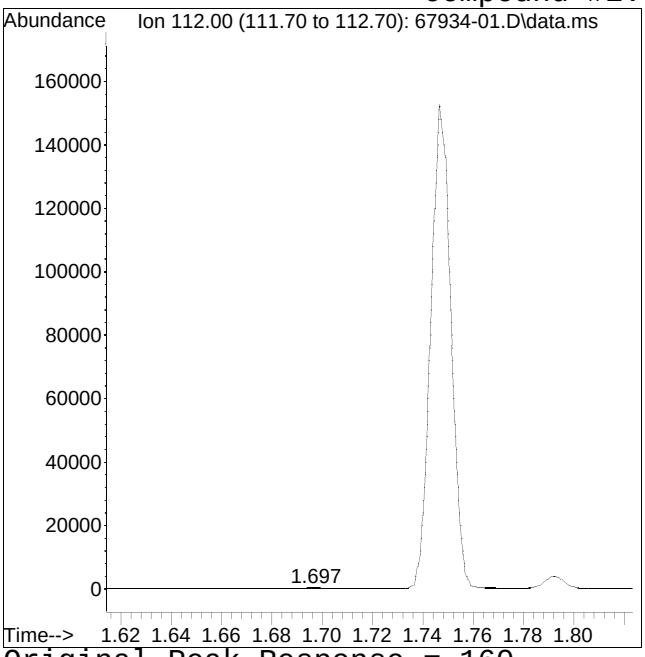
Ion	Ratio	Lower	Upper
202	100		
200	18.4	17.5	26.3

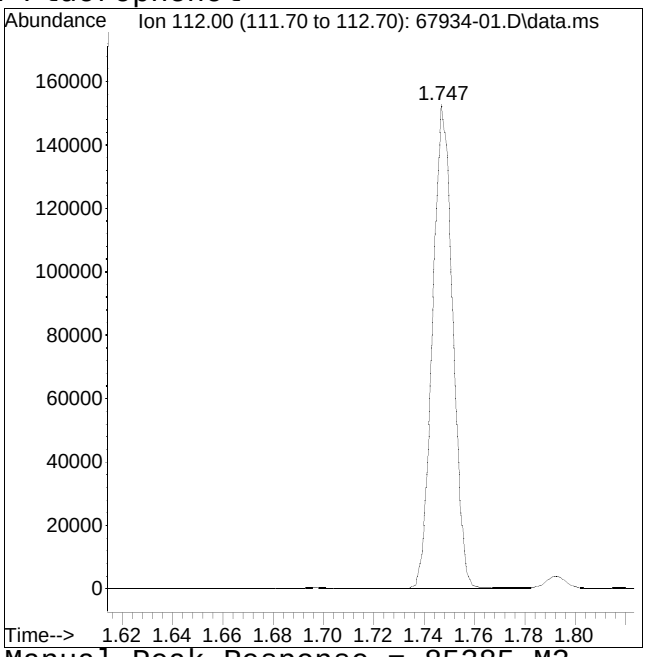


Manual Integration Report

Data Path : I:\8270SIM\sv120\241123RVTQMethod : SIM-RVT_241105_sv120.M
Data File : 67934-01.D Operator : SV120:dv
Date Inj'd : 11/23/2024 9:52 pm Instrument : SV120
Sample : L2467934-01,32,,rp Quant Date : 11/23/2024 10:05 pm

Compound #2: 2-Fluorophenol





Original Peak Response = 160 Manual Peak Response = 85385 M3

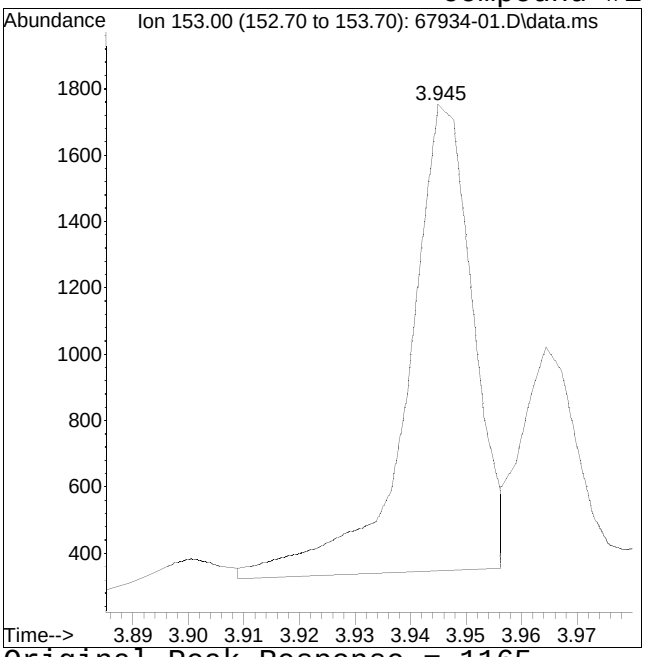
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

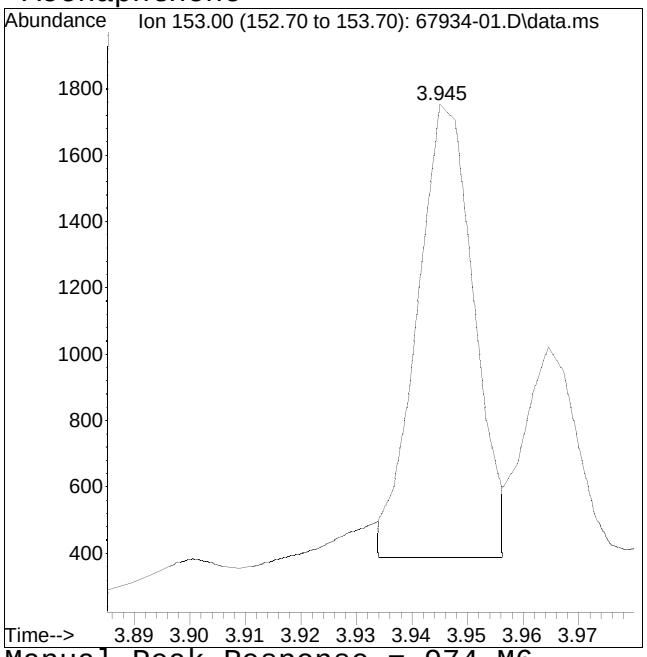
Data Path : I:\8270SIM\sv120\241123RVTQ
Data File : 67934-01.D
Date Inj'd : 11/23/2024 9:52 pm
Sample : L2467934-01,32,,rp

Method : SIM-RVT_241105_sv120.M
Operator : SV120:dv
Instrument : SV120
Quant Date : 11/23/2024 10:05 pm

Compound #18: Acenaphthene



Original Peak Response = 1165



Manual Peak Response = 974 M6

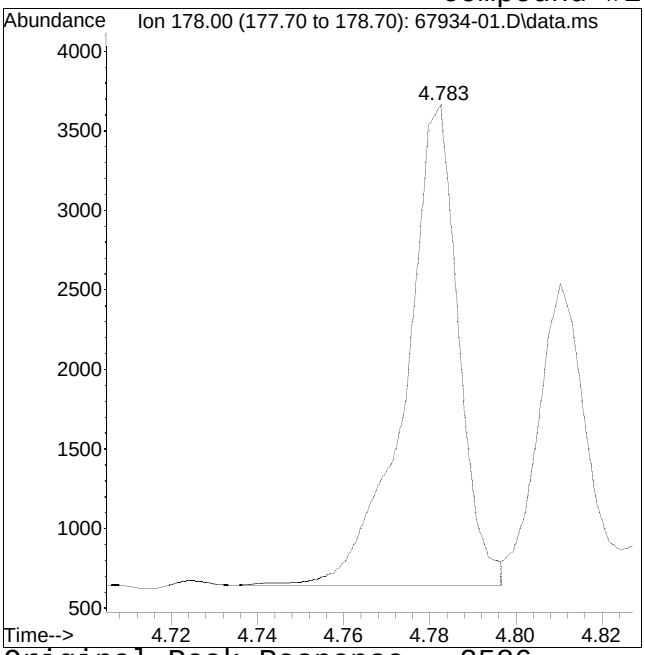
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

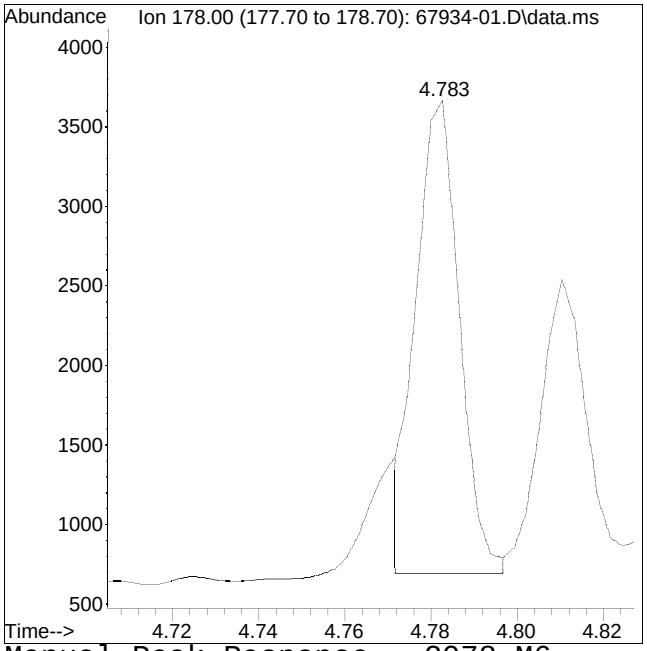
Data Path : I:\8270SIM\sv120\241123RVTQ
Data File : 67934-01.D
Date Inj'd : 11/23/2024 9:52 pm
Sample : L2467934-01,32,,rp

Method : SIM-RVT_241105_sv120.M
Operator : SV120:dv
Instrument : SV120
Quant Date : 11/23/2024 10:05 pm

Compound #26: Phenanthrene



Original Peak Response = 2586



Manual Peak Response = 2078 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-02.D
Acq On : 23 Nov 2024 10:40 pm
Operator : SV120:dv
Sample : L2467934-02,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 25 12:27:08 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	253079	4000.000	ng/ml	0.01
Standard Area 1 = 197300			Recovery	= 128.27%		
8) Naphthalene-d8	2.956	136	987915	4000.000	ng/ml	0.00
Standard Area 1 = 788071			Recovery	= 125.36%		
17) Acenaphthene-d10	3.931	164	537785	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery	= 118.22%		
22) Phenanthrene-d10	4.771	188	970775	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery	= 108.40%		
31) Chrysene-d12	6.329	240	734925	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery	= 91.76%		
36) Perylene-d12	7.558	264	638465	4000.000	ng/ml	-0.03
Standard Area 1 = 758213			Recovery	= 84.21%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.742	112	83841	1125.485	ng/ml	0.04
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 56.27%		
3) Phenol-d6	2.119	99	75518	825.044	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 41.25%		
7) Nitrobenzene-d5	2.575	82	76463	946.263	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 94.63%		
13) 2-Fluorobiphenyl	3.550	172	179267	900.297	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 90.03%		
21) 2,4,6-Tribromophenol	4.376	330	46132	2154.873	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 107.74%		
30) 4-Terphenyl-d14	5.683	244	181091	1025.903	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 51.30%		

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.
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.
25) Pentachlorophenol	0.000	0	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-02.D
Acq On : 23 Nov 2024 10:40 pm
Operator : SV120:dv
Sample : L2467934-02,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 25 12:27:08 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	

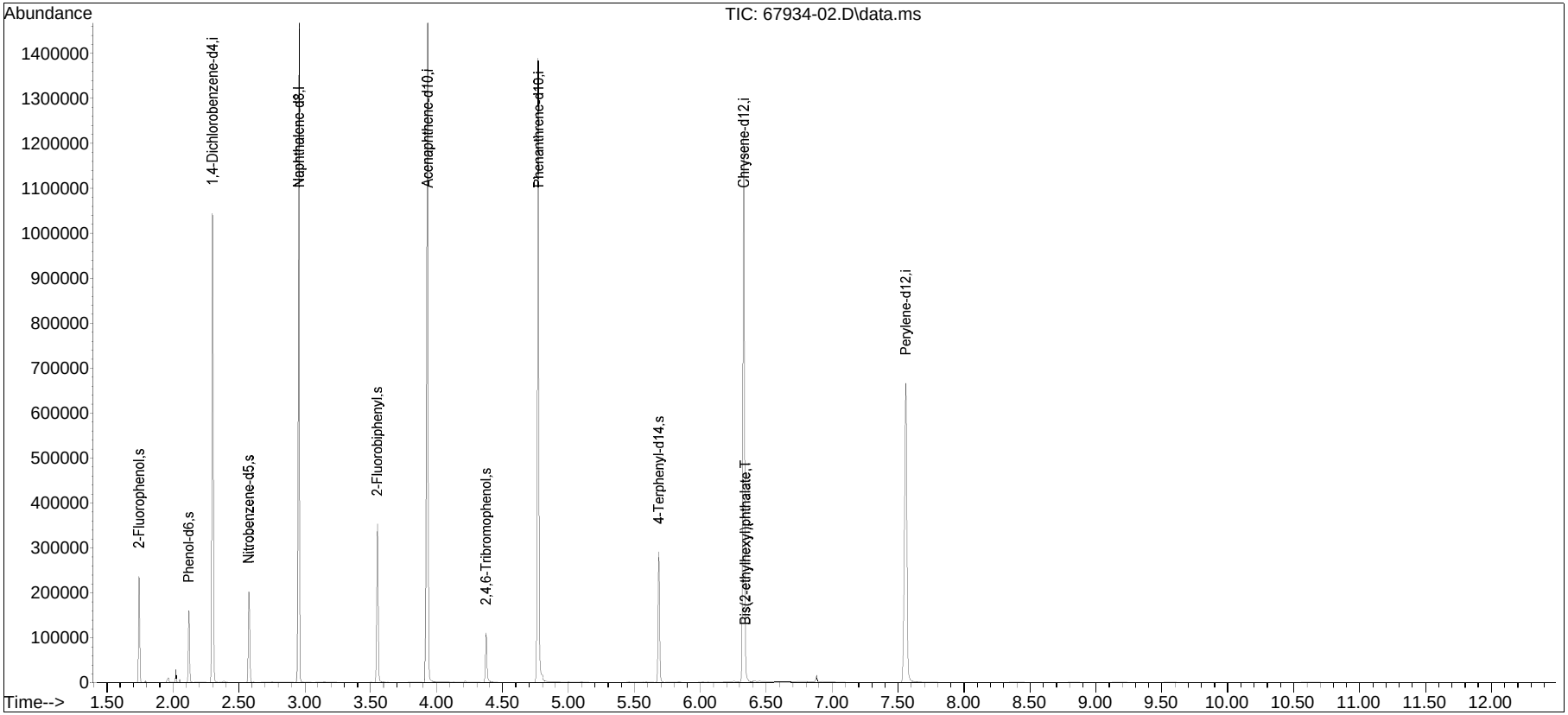
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-02.D
Acq On : 23 Nov 2024 10:40 pm
Operator : SV120:dv
Sample : L2467934-02,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 25 12:27:08 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241123RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 67934-02.D	Operator	: SV120:dv
Date Inj'd	: 11/23/2024 10:40 pm	Instrument	: SV120
Sample	: L2467934-02,32,,rp	Quant Date	: 11/23/2024 10:53 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-03.D
Acq On : 23 Nov 2024 10:56 pm
Operator : SV120:dv
Sample : L2467934-03,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 25 12:29:17 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	323665	4000.000	ng/ml	0.02
Standard Area 1 = 197300			Recovery = 164.05%			
8) Naphthalene-d8	2.956	136	1266947	4000.000	ng/ml	0.00
Standard Area 1 = 788071			Recovery = 160.77%			
17) Acenaphthene-d10	3.931	164	689434	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery = 151.56%			
22) Phenanthrene-d10	4.770	188	1241936	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery = 138.68%			
31) Chrysene-d12	6.330	240	886291	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery = 110.66%			
36) Perylene-d12	7.560	264	700671	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery = 92.41%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.754	112	100360	1053.427	ng/ml	0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.67%			
3) Phenol-d6	2.121	99	88507	756.074	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.80%			
7) Nitrobenzene-d5	2.578	82	90191	872.738	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.27%			
13) 2-Fluorobiphenyl	3.549	172	205223	803.660	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.37%			
21) 2,4,6-Tribromophenol	4.377	330	51397	1872.721	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 93.64%			
30) 4-Terphenyl-d14	5.682	244	193874	858.516	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 42.93%			

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\sv120\241123RVT\
Data File : 67934-03.D
Acq On : 23 Nov 2024 10:56 pm
Operator : SV120:dv
Sample : L2467934-03,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 25 12:29:17 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	

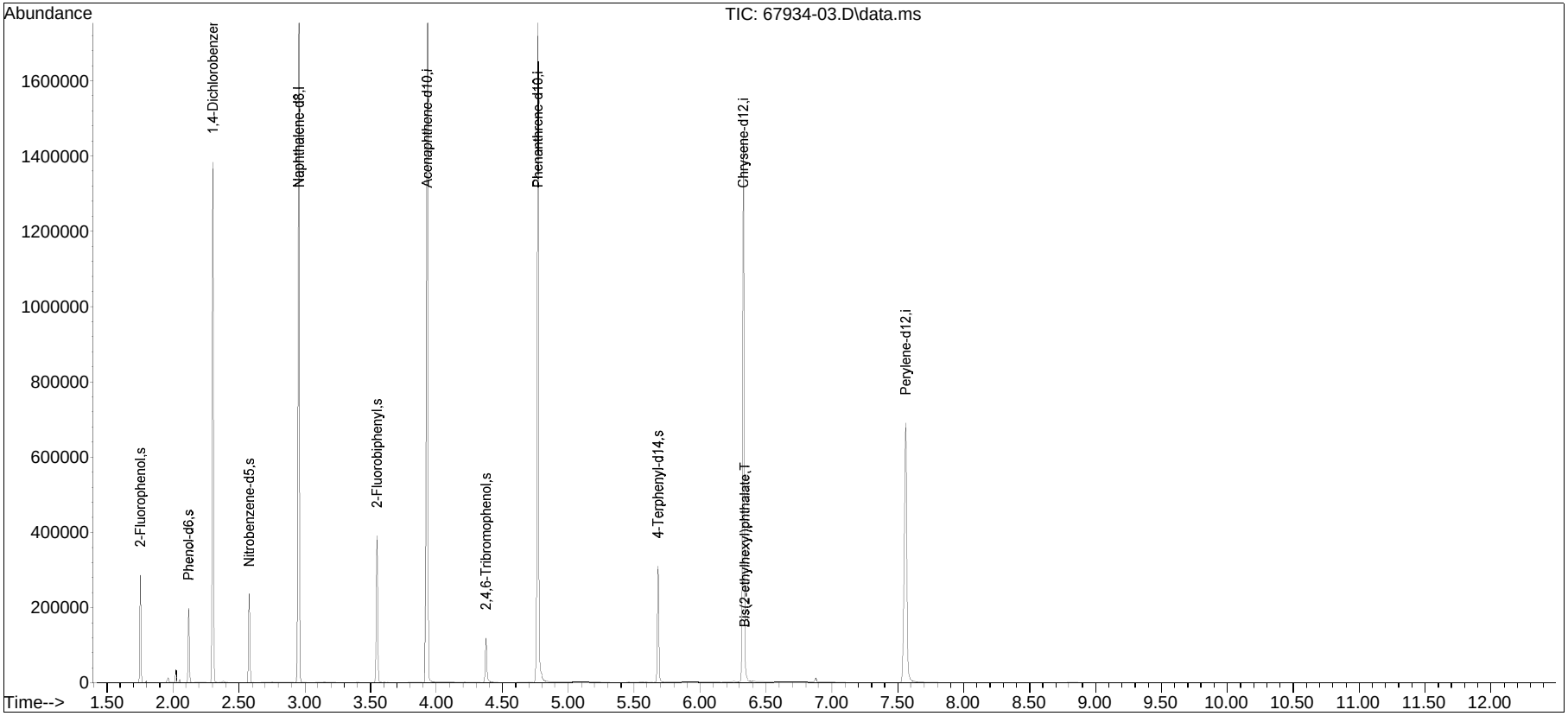
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-03.D
Acq On : 23 Nov 2024 10:56 pm
Operator : SV120:dv
Sample : L2467934-03,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 25 12:29:17 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241123RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 67934-03.D	Operator	: SV120:dv
Date Inj'd	: 11/23/2024 10:56 pm	Instrument	: SV120
Sample	: L2467934-03,32,,rp	Quant Date	: 11/23/2024 11:09 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-06.D
Acq On : 23 Nov 2024 11:13 pm
Operator : SV120:dv
Sample : L2467934-06,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 25 12:30:01 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	282849	4000.000	ng/ml	0.01
Standard Area 1 = 197300			Recovery	= 143.36%		
8) Naphthalene-d8	2.956	136	1096491	4000.000	ng/ml	0.00
Standard Area 1 = 788071			Recovery	= 139.14%		
17) Acenaphthene-d10	3.929	164	594606	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery	= 130.71%		
22) Phenanthrene-d10	4.769	188	1072012	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery	= 119.71%		
31) Chrysene-d12	6.332	240	803541	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery	= 100.32%		
36) Perylene-d12	7.565	264	683426	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery	= 90.14%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.745	112	84353	1013.177	ng/ml	0.04
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 50.66%		
3) Phenol-d6	2.119	99	75002	733.164	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 36.66%		
7) Nitrobenzene-d5	2.575	82	74778	828.010	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 82.80%		
13) 2-Fluorobiphenyl	3.550	172	174472	789.452	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 78.95%		
21) 2,4,6-Tribromophenol	4.376	330	47068	1988.495	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 99.42%		
30) 4-Terphenyl-d14	5.684	244	180965	928.374	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 46.42%		

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\sv120\241123RVT\
Data File : 67934-06.D
Acq On : 23 Nov 2024 11:13 pm
Operator : SV120:dv
Sample : L2467934-06,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 25 12:30:01 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	

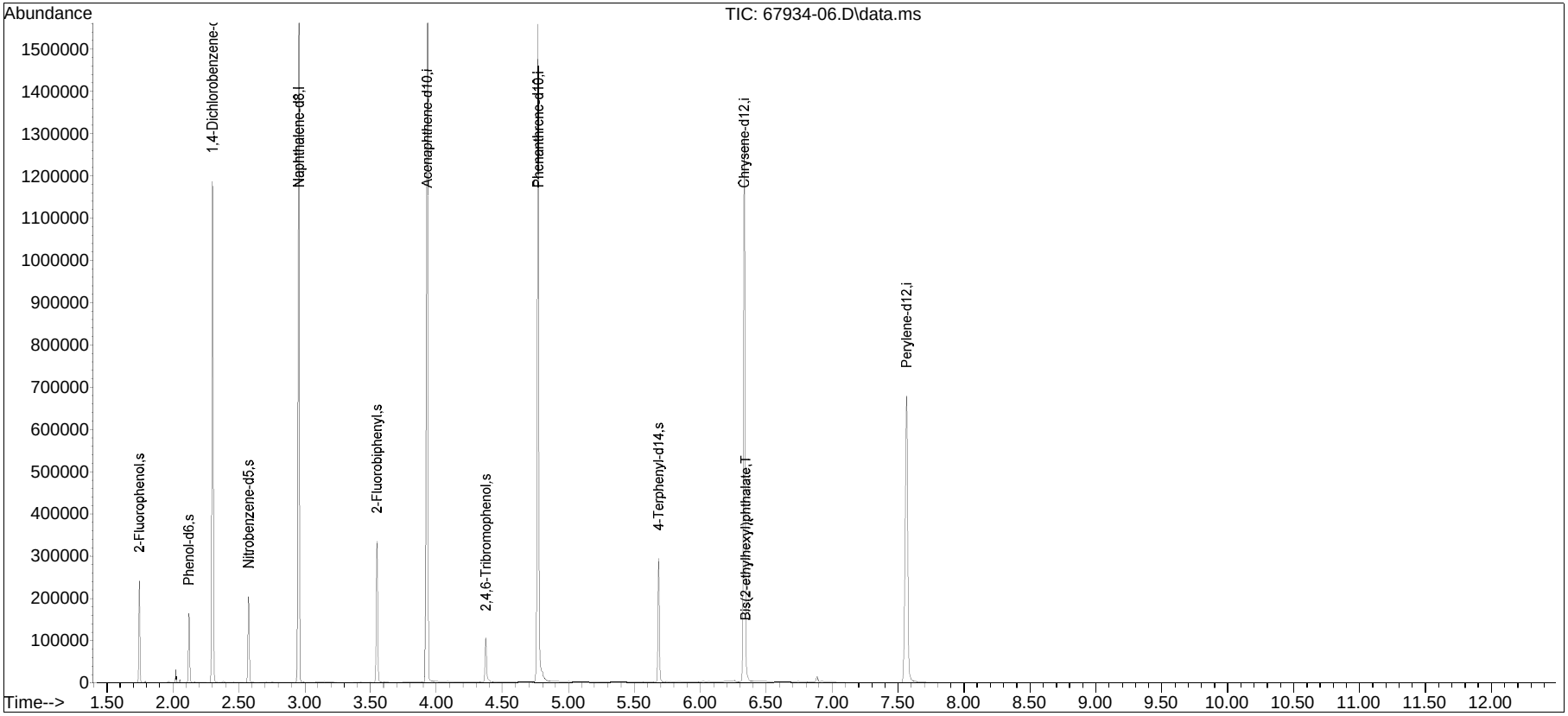
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-06.D
Acq On : 23 Nov 2024 11:13 pm
Operator : SV120:dv
Sample : L2467934-06,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 25 12:30:01 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241123RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 67934-06.D	Operator	: SV120:dv
Date Inj'd	: 11/23/2024 11:13 pm	Instrument	: SV120
Sample	: L2467934-06,32,,rp	Quant Date	: 11/23/2024 11:25 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-07.D
Acq On : 23 Nov 2024 11:29 pm
Operator : SV120:dv
Sample : L2467934-07,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 25 12:30:37 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	327352	4000.000	ng/ml	0.02
Standard Area 1 = 197300			Recovery = 165.92%			
8) Naphthalene-d8	2.956	136	1282960	4000.000	ng/ml	0.00
Standard Area 1 = 788071			Recovery = 162.80%			
17) Acenaphthene-d10	3.931	164	710258	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery = 156.14%			
22) Phenanthrene-d10	4.770	188	1267935	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery = 141.58%			
31) Chrysene-d12	6.330	240	878412	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery = 109.67%			
36) Perylene-d12	7.563	264	702293	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery = 92.62%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.759	112	92145	956.305	ng/ml	0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.82%			
3) Phenol-d6	2.121	99	83894	708.596	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.43%			
7) Nitrobenzene-d5	2.578	82	85006	813.301	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 81.33%			
13) 2-Fluorobiphenyl	3.550	172	195712	756.849	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.68%			
21) 2,4,6-Tribromophenol	4.377	330	46837	1656.536	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 82.83%			
30) 4-Terphenyl-d14	5.685	244	181592	787.640	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 39.38%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D. 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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-07.D
Acq On : 23 Nov 2024 11:29 pm
Operator : SV120:dv
Sample : L2467934-07,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 25 12:30:37 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	

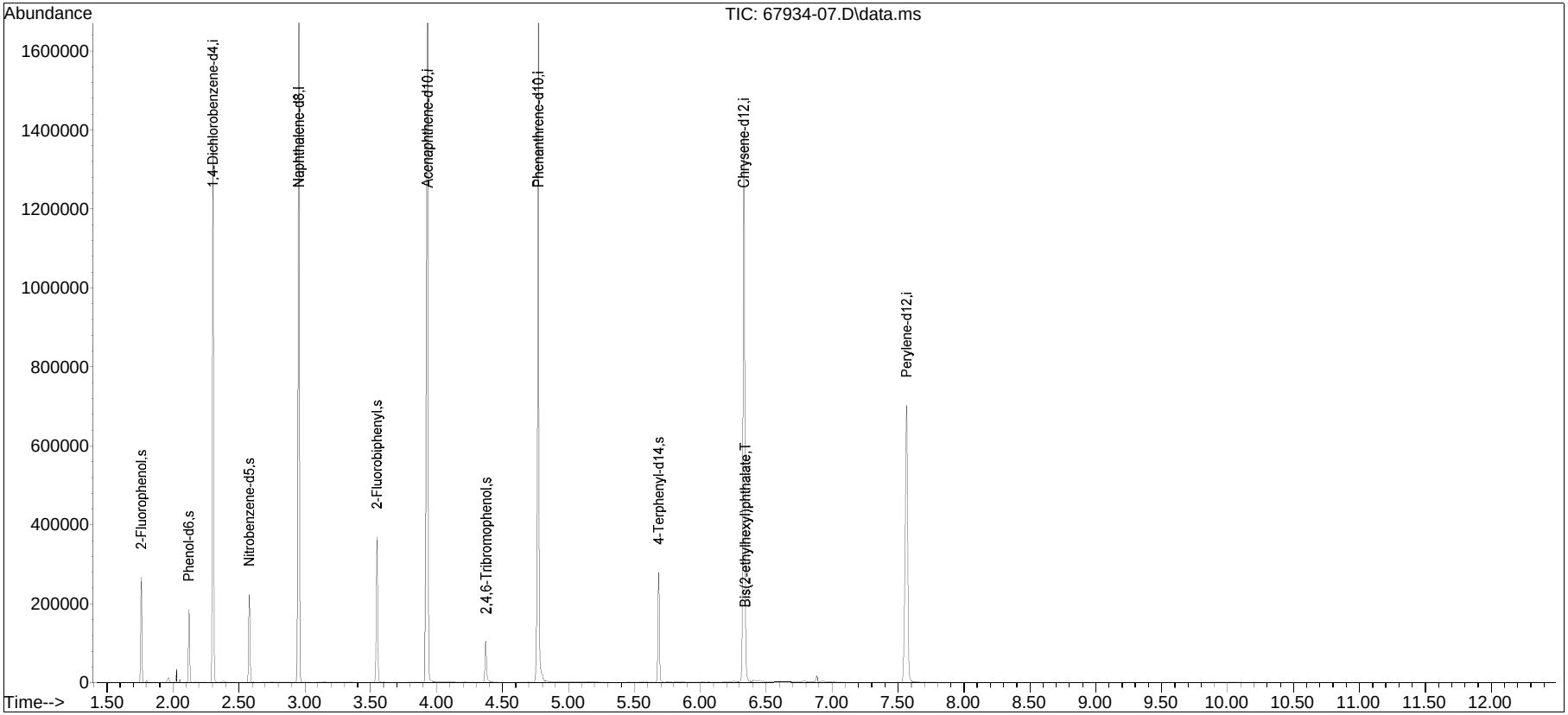
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-07.D
Acq On : 23 Nov 2024 11:29 pm
Operator : SV120:dv
Sample : L2467934-07,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 25 12:30:37 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241123RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 67934-07.D	Operator	: SV120:dv
Date Inj'd	: 11/23/2024 11:29 pm	Instrument	: SV120
Sample	: L2467934-07,32,,rp	Quant Date	: 11/23/2024 11:42 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-08.D
Acq On : 23 Nov 2024 11:45 pm
Operator : SV120:dv
Sample : L2467934-08,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 25 12:32:15 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	346185	4000.000	ng/ml	0.02
Standard Area 1 = 197300			Recovery = 175.46%			
8) Naphthalene-d8	2.957	136	1354661	4000.000	ng/ml	0.00
Standard Area 1 = 788071			Recovery = 171.90%			
17) Acenaphthene-d10	3.932	164	744231	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery = 163.61%			
22) Phenanthrene-d10	4.769	188	1338650	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery = 149.48%			
31) Chrysene-d12	6.332	240	957737	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery = 119.58%			
36) Perylene-d12	7.562	264	759982	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery = 100.23%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.757	112	97635	958.157	ng/ml	0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.91%			
3) Phenol-d6	2.122	99	89706	716.467	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.82%			
7) Nitrobenzene-d5	2.578	82	83803	758.172	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.82%			
13) 2-Fluorobiphenyl	3.550	172	192468	704.909	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 70.49%			
21) 2,4,6-Tribromophenol	4.377	330	48486	1636.578	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 81.83%			
30) 4-Terphenyl-d14	5.684	244	193322	794.222	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 39.71%			

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.
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-08.D
Acq On : 23 Nov 2024 11:45 pm
Operator : SV120:dv
Sample : L2467934-08,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 25 12:32:15 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	

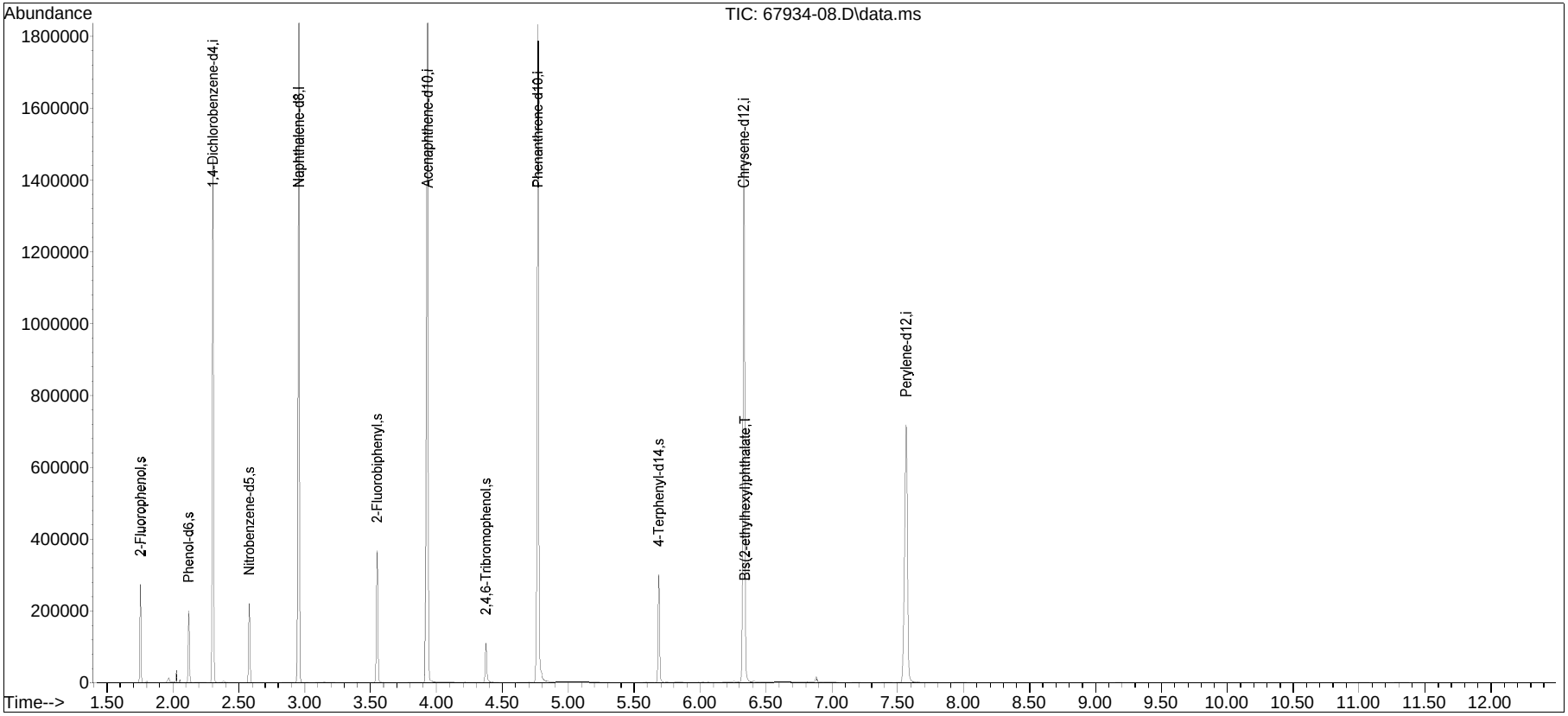
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-08.D
Acq On : 23 Nov 2024 11:45 pm
Operator : SV120:dv
Sample : L2467934-08,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 25 12:32:15 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241123RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 67934-08.D	Operator	: SV120:dv
Date Inj'd	: 11/23/2024 11:45 pm	Instrument	: SV120
Sample	: L2467934-08,32,,rp	Quant Date	: 11/23/2024 11:58 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-09.D
Acq On : 24 Nov 2024 12:01 am
Operator : SV120:dv
Sample : L2467934-09,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 25 12:33:18 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	361590	4000.000	ng/ml	0.02
Standard Area 1 = 197300			Recovery = 183.27%			
8) Naphthalene-d8	2.956	136	1411108	4000.000	ng/ml	0.00
Standard Area 1 = 788071			Recovery = 179.06%			
17) Acenaphthene-d10	3.929	164	773488	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery = 170.04%			
22) Phenanthrene-d10	4.769	188	1373270	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery = 153.35%			
31) Chrysene-d12	6.331	240	901303	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery = 112.53%			
36) Perylene-d12	7.561	264	716337	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery = 94.48%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.765	112	108097M2	1015.633	ng/ml	0.06
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.78%			
3) Phenol-d6	2.124	99	97712	747.161	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.36%			
7) Nitrobenzene-d5	2.578	82	97642	845.740	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.57%			
13) 2-Fluorobiphenyl	3.550	172	224849	790.561	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.06%			
21) 2,4,6-Tribromophenol	4.376	330	56439	1832.963	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 91.65%			
30) 4-Terphenyl-d14	5.684	244	211433	846.730	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 42.34%			

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.

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-09.D
Acq On : 24 Nov 2024 12:01 am
Operator : SV120:dv
Sample : L2467934-09,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 25 12:33:18 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Pentachlorophenol	0.000		0	N.D.	d	
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.	d	

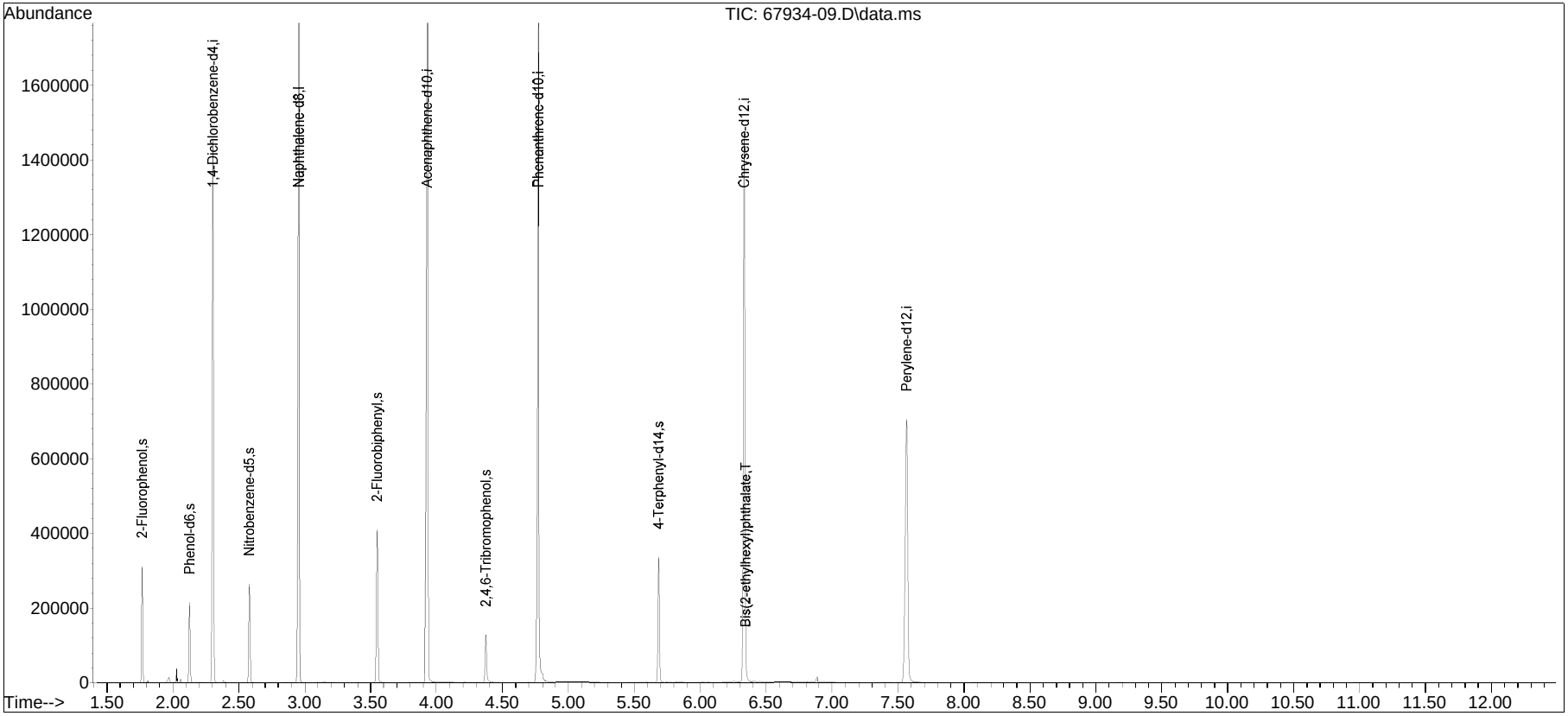
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-09.D
Acq On : 24 Nov 2024 12:01 am
Operator : SV120:dv
Sample : L2467934-09,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 25 12:33:18 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•

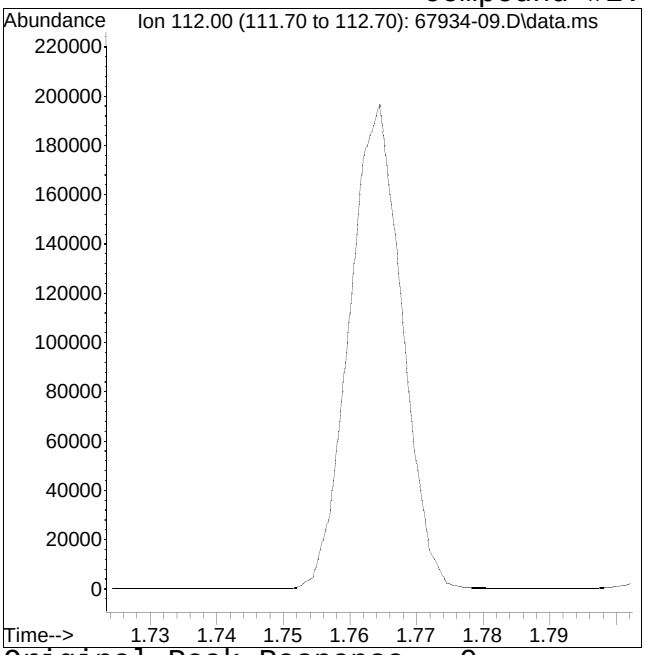


Manual Integration Report

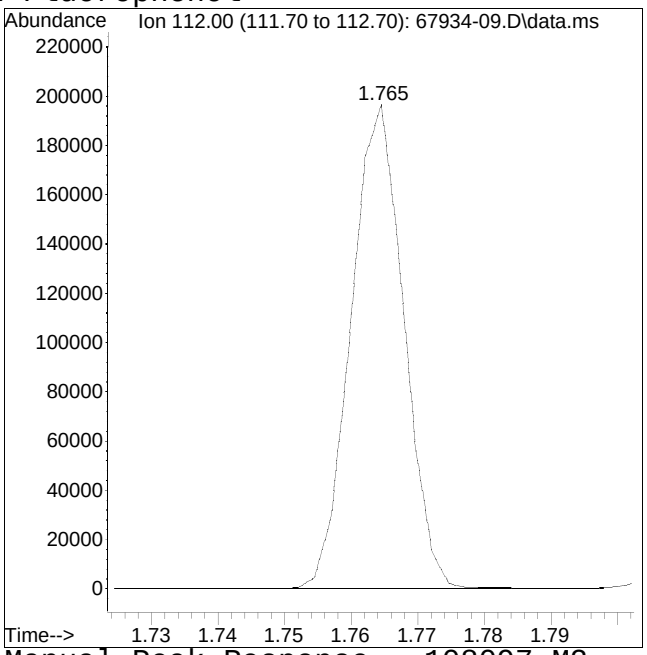
Data Path : I:\8270SIM\sv120\241123RVTQ
Data File : 67934-09.D
Date Inj'd : 11/24/2024 12:01 am
Sample : L2467934-09,32,,rp

Method : SIM-RVT_241105_sv120.M
Operator : SV120:dv
Instrument : SV120
Quant Date : 11/24/2024 0:14 am

Compound #2: 2-Fluorophenol



Original Peak Response = 0



Manual Peak Response = 108097 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-10.D
Acq On : 24 Nov 2024 12:17 am
Operator : SV120:dv
Sample : L2467934-10,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Nov 25 12:34:08 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	323014	4000.000	ng/ml	0.02
Standard Area 1 = 197300			Recovery = 163.72%			
8) Naphthalene-d8	2.956	136	1263842	4000.000	ng/ml	0.00
Standard Area 1 = 788071			Recovery = 160.37%			
17) Acenaphthene-d10	3.928	164	697791	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery = 153.40%			
22) Phenanthrene-d10	4.771	188	1229713	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery = 137.32%			
31) Chrysene-d12	6.331	240	821515	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery = 102.57%			
36) Perylene-d12	7.561	264	690119	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery = 91.02%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.759	112	98913	1040.331	ng/ml	0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.02%			
3) Phenol-d6	2.124	99	86879	743.663	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.18%			
7) Nitrobenzene-d5	2.578	82	88247	855.648	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.56%			
13) 2-Fluorobiphenyl	3.550	172	203973	800.728	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.07%			
21) 2,4,6-Tribromophenol	4.376	330	51233	1844.389	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 92.22%			
30) 4-Terphenyl-d14	5.683	244	187213	837.260	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 41.86%			

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D. 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.	
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.	
25) Pentachlorophenol	0.000	0	N.D.	

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-10.D
Acq On : 24 Nov 2024 12:17 am
Operator : SV120:dv
Sample : L2467934-10,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Nov 25 12:34:08 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	

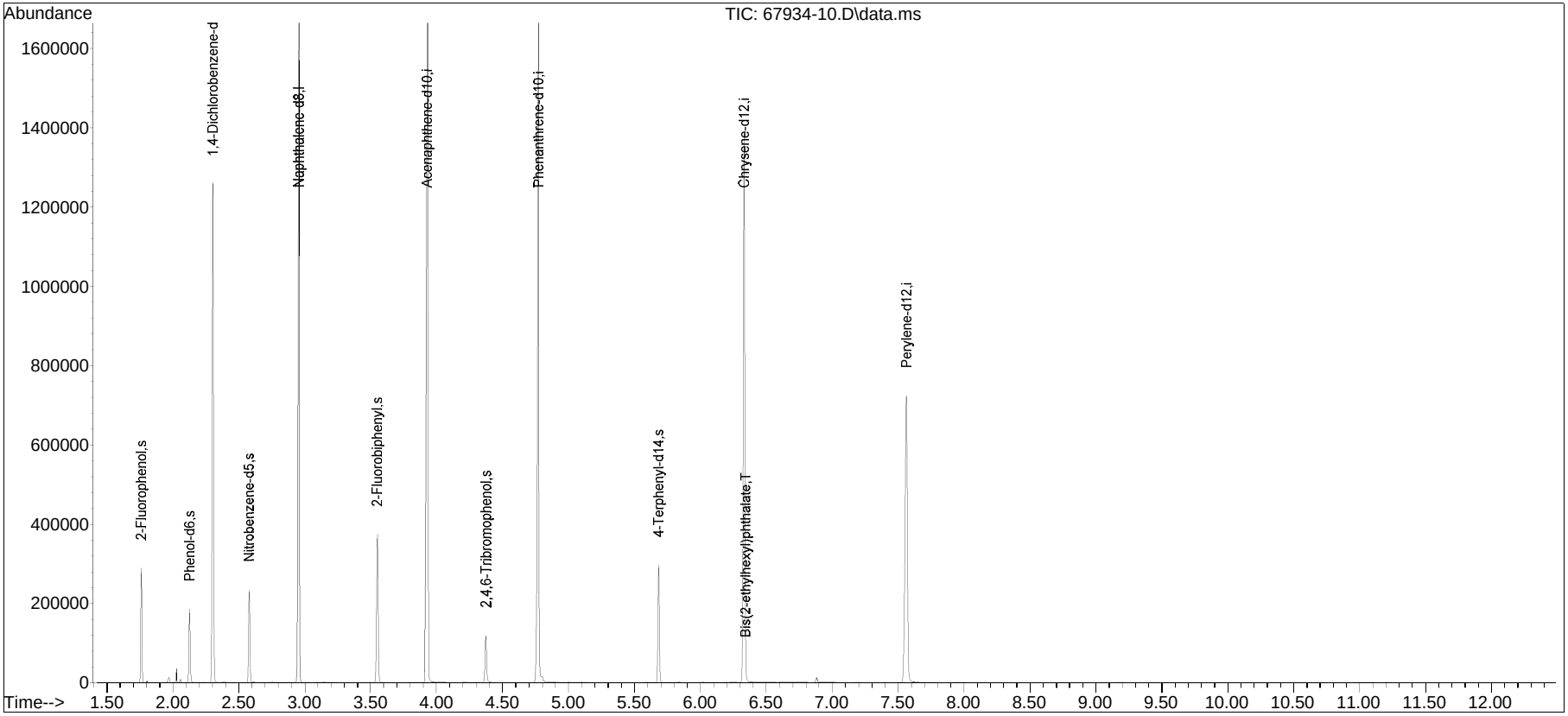
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 67934-10.D
Acq On : 24 Nov 2024 12:17 am
Operator : SV120:dv
Sample : L2467934-10,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Nov 25 12:34:08 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241123RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 67934-10.D	Operator	: SV120:dv
Date Inj'd	: 11/24/2024 12:17 am	Instrument	: SV120
Sample	: L2467934-10,32,,rp	Quant Date	: 11/24/2024 0:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 67934-04.D
Acq On : 24 Nov 2024 04:38 pm
Operator : SV120:kmh
Sample : L2467934-04,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 25 10:29:25 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.297	152	222846	4000.000	ng/ml	0.00
Standard Area 1 = 217001			Recovery = 102.69%			
8) Naphthalene-d8	2.954	136	881536	4000.000	ng/ml	0.00
Standard Area 1 = 867141			Recovery = 101.66%			
17) Acenaphthene-d10	3.928	164	508594	4000.000	ng/ml	0.00
Standard Area 1 = 513045			Recovery = 99.13%			
22) Phenanthrene-d10	4.769	188	959899	4000.000	ng/ml	0.00
Standard Area 1 = 1011820			Recovery = 94.87%			
31) Chrysene-d12	6.329	240	750459	4000.000	ng/ml	0.00
Standard Area 1 = 870473			Recovery = 86.21%			
36) Perylene-d12	7.556	264	660797	4000.000	ng/ml	0.00
Standard Area 1 = 832237			Recovery = 79.40%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.734	112	39734	605.755	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.29%			
3) Phenol-d6	2.116	99	36310	450.510	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 22.53%			
7) Nitrobenzene-d5	2.572	82	56670	796.462	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.65%			
13) 2-Fluorobiphenyl	3.547	172	139163	783.229	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.32%			
21) 2,4,6-Tribromophenol	4.376	330	31265	1544.242	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 77.21%			
30) 4-Terphenyl-d14	5.681	244	148953	853.398	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 42.67%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.		
9) Naphthalene	2.964	128	711	3.226	ng/ml#	46
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.		

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 67934-04.D
Acq On : 24 Nov 2024 04:38 pm
Operator : SV120:kmh
Sample : L2467934-04,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 25 10:29:25 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.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	

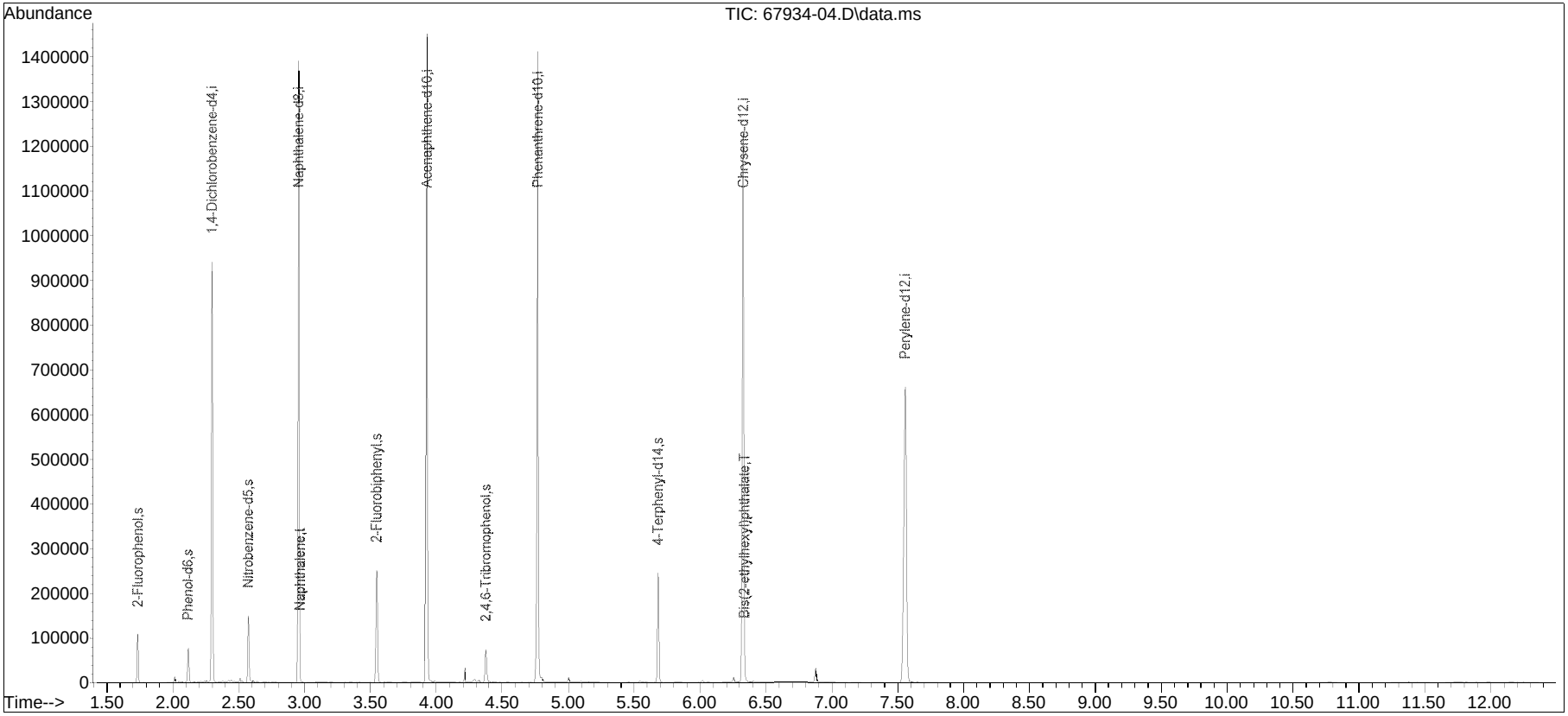
(#) = qualifier out of range (m) = manual integration (+) = signals summed

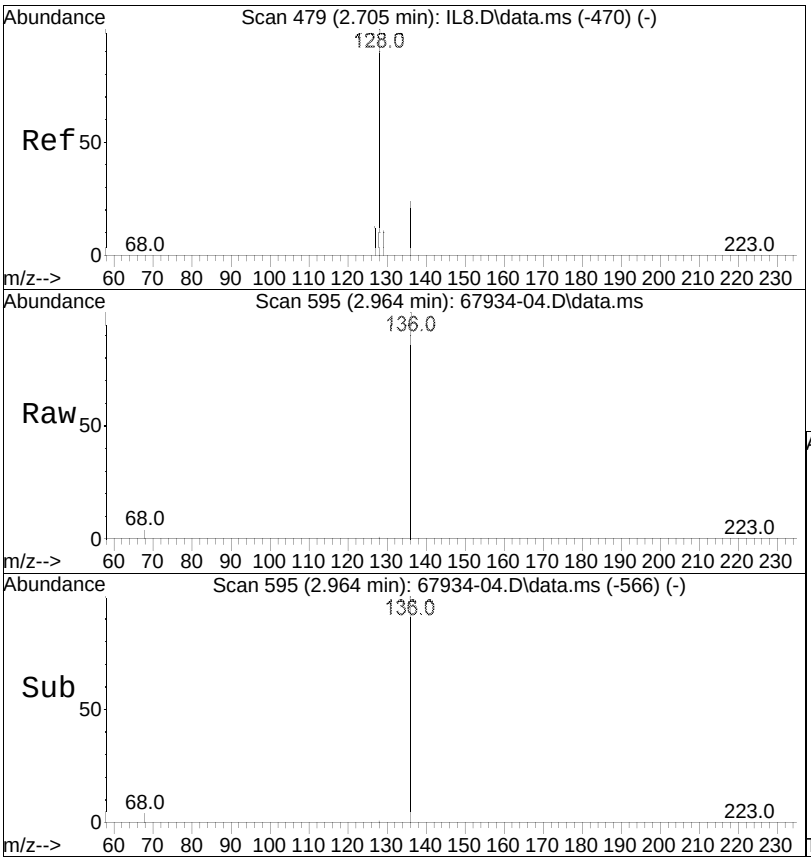
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 67934-04.D
Acq On : 24 Nov 2024 04:38 pm
Operator : SV120:kmh
Sample : L2467934-04,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 25 10:29:25 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1124.D•

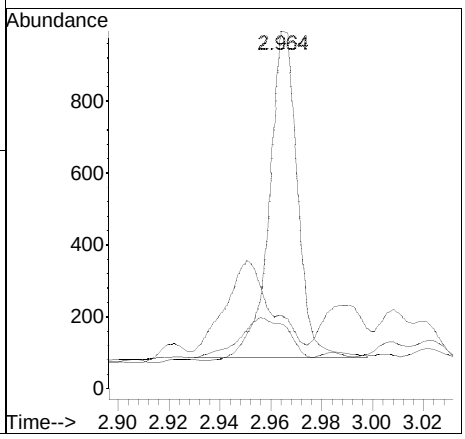




#9
Naphthalene
Concen: 3.23 ng/ml
RT: 2.964 min Scan# 595
Delta R.T. -0.005 min
Lab File: 67934-04.D
Acq: 24 Nov 2024 04:38 pm

Tgt Ion:128 Resp: 711

Ion	Ratio	Lower	Upper
128	100		
129	20.4	8.9	13.3#
127	44.7	10.7	16.1#



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241124RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 67934-04.D	Operator	: SV120:kmh
Date Inj'd	: 11/24/2024 4:38 pm	Instrument	: SV120
Sample	: L2467934-04,32,,jjw	Quant Date	: 11/24/2024 4:51 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 67934-05.D
Acq On : 24 Nov 2024 04:54 pm
Operator : SV120:kmh
Sample : L2467934-05,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 25 10:33:00 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.297	152	179578	4000.000	ng/ml	0.00
Standard Area 1 = 217001			Recovery = 82.75%			
8) Naphthalene-d8	2.954	136	701387	4000.000	ng/ml	0.00
Standard Area 1 = 867141			Recovery = 80.89%			
17) Acenaphthene-d10	3.929	164	404317	4000.000	ng/ml	0.00
Standard Area 1 = 513045			Recovery = 78.81%			
22) Phenanthrene-d10	4.769	188	802736	4000.000	ng/ml	0.00
Standard Area 1 = 1011820			Recovery = 79.34%			
31) Chrysene-d12	6.327	240	741459	4000.000	ng/ml	0.00
Standard Area 1 = 870473			Recovery = 85.18%			
36) Perylene-d12	7.559	264	670804	4000.000	ng/ml	0.00
Standard Area 1 = 832237			Recovery = 80.60%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.727	112	34274	648.412	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 32.42%			
3) Phenol-d6	2.117	99	28679	441.564	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 22.08%			
7) Nitrobenzene-d5	2.575	82	39653	691.575	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.16%			
13) 2-Fluorobiphenyl	3.550	172	98104	693.959	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.40%			
21) 2,4,6-Tribromophenol	4.376	330	27133	1685.792	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 84.29%			
30) 4-Terphenyl-d14	5.681	244	127874	876.067	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 43.80%			
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.		
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	4.553	284	56M7	1.321	ng/ml	
25) Pentachlorophenol	0.000		0	N.D.		

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 67934-05.D
Acq On : 24 Nov 2024 04:54 pm
Operator : SV120:kmh
Sample : L2467934-05,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 25 10:33:00 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.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	7.175	252	597	2.933	ng/ml	97
38) Benzo[k]fluoranthene	7.201	252	606	3.312	ng/ml	100
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	

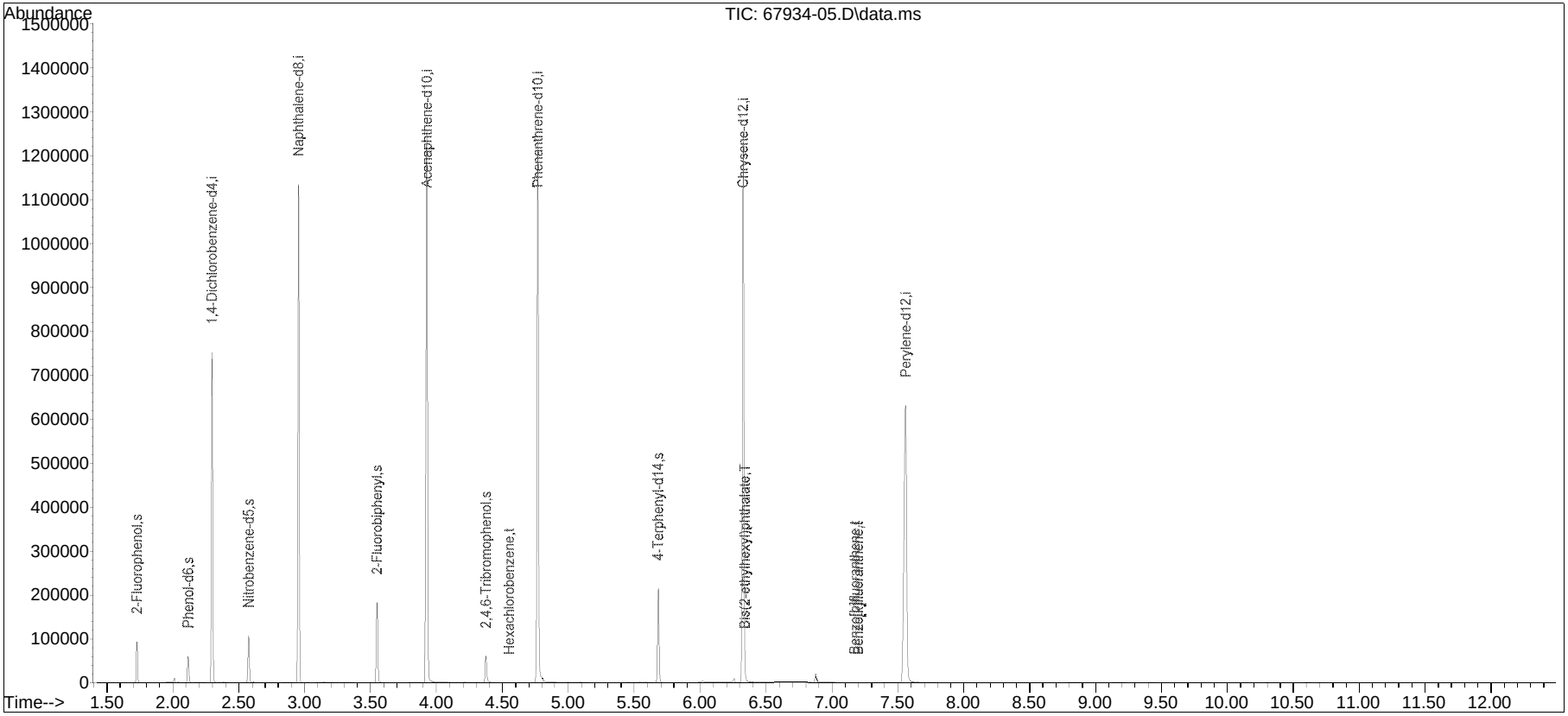
(#) = qualifier out of range (m) = manual integration (+) = signals summed

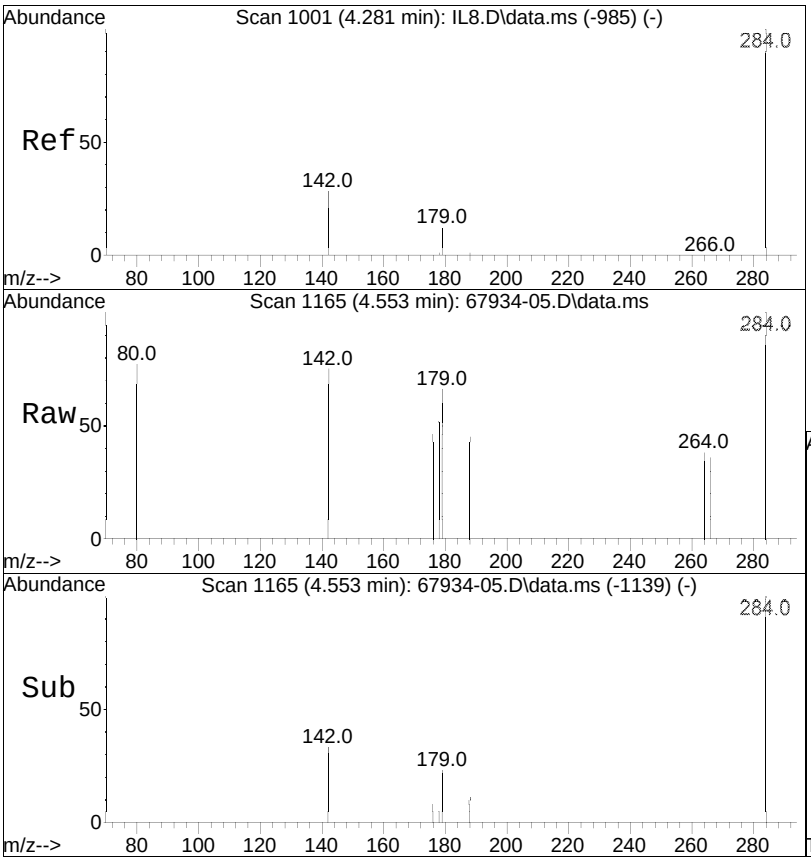
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 67934-05.D
Acq On : 24 Nov 2024 04:54 pm
Operator : SV120:kmh
Sample : L2467934-05,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 25 10:33:00 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1124.D•

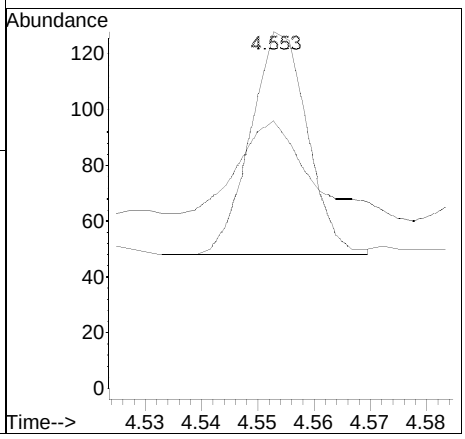


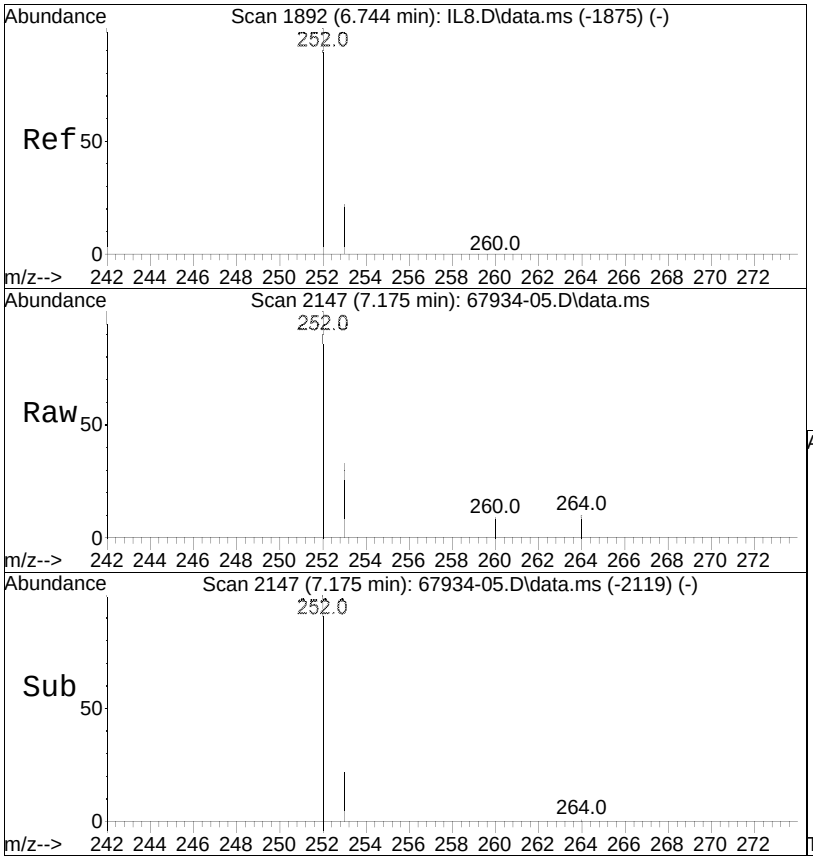


#24
Hexachlorobenzene
Concen: 1.32 ng/ml M7
RT: 4.553 min Scan# 1165
Delta R.T. -0.005 min
Lab File: 67934-05.D
Acq: 24 Nov 2024 04:54 pm

Tgt Ion:284 Resp: 56

Ion	Ratio	Lower	Upper
284	100		
142	32.1	30.2	45.2

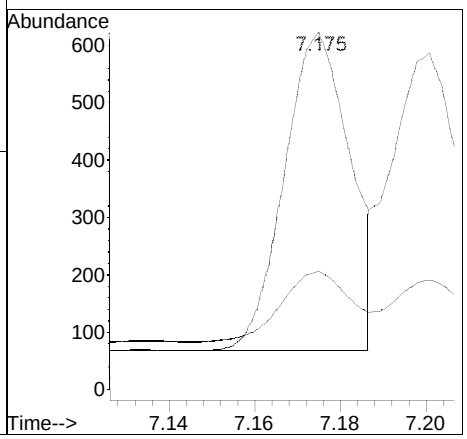


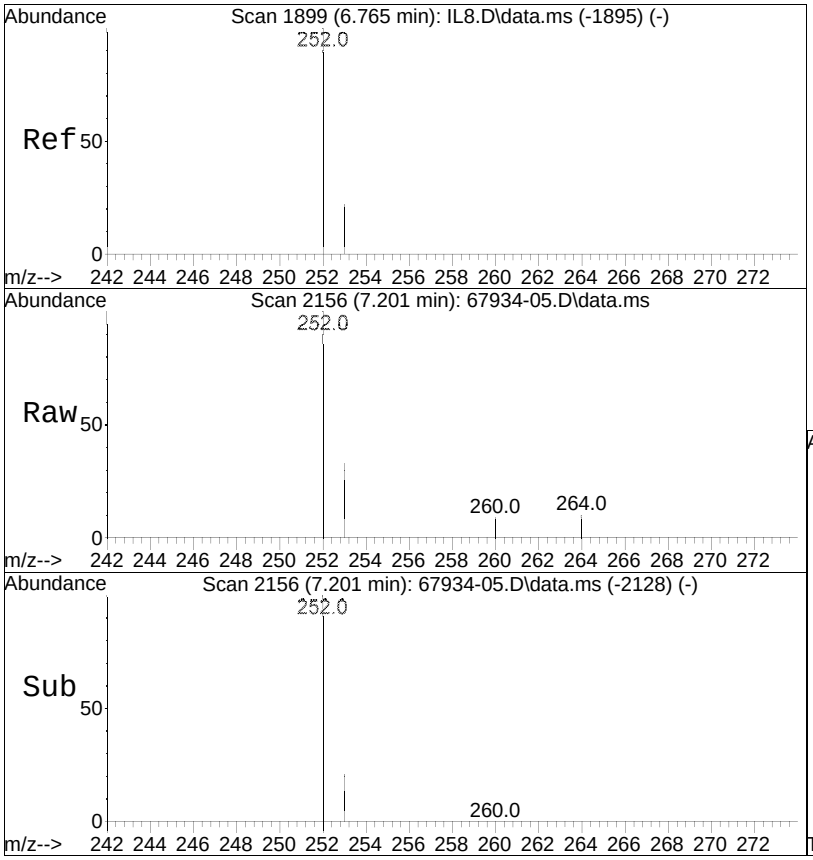


#37
Benzo[b]fluoranthene
Concen: 2.93 ng/ml
RT: 7.175 min Scan# 2147
Delta R.T. 0.001 min
Lab File: 67934-05.D
Acq: 24 Nov 2024 04:54 pm

Tgt Ion:252 Resp: 597

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0

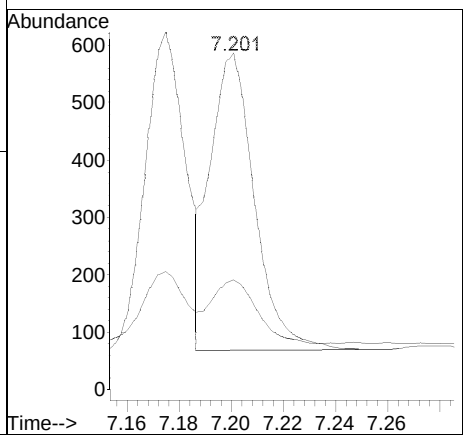




#38
Benzo[k]fluoranthene
Concen: 3.31 ng/ml
RT: 7.201 min Scan# 2156
Delta R.T. 0.001 min
Lab File: 67934-05.D
Acq: 24 Nov 2024 04:54 pm

Tgt Ion:252 Resp: 606

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4

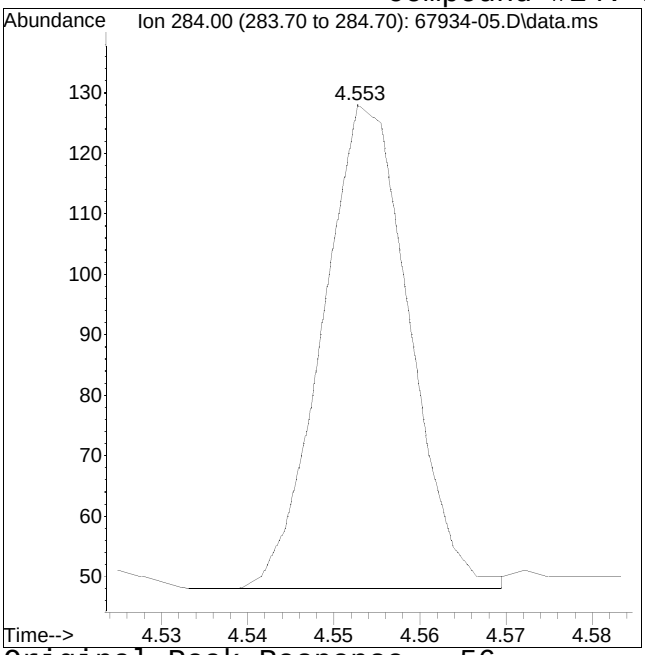


Manual Integration Report

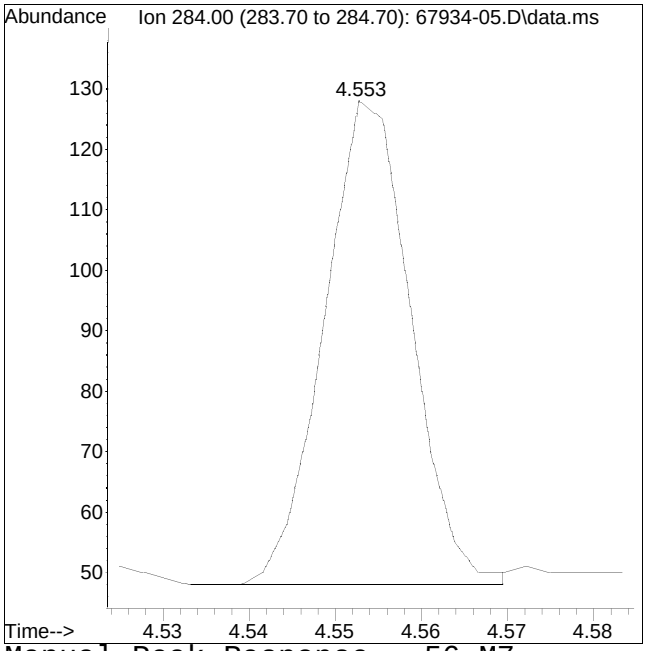
Data Path : I:\8270SIM\sv120\241124RVTQ
Data File : 67934-05.D
Date Inj'd : 11/24/2024 4:54 pm
Sample : L2467934-05,32,,jjw

Method : SIM-RVT_241105_sv120.M
Operator : SV120:kmh
Instrument : SV120
Quant Date : 11/24/2024 5:07 pm

Compound #24: Hexachlorobenzene



Original Peak Response = 56



Manual Peak Response = 56 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21668**
Calibration dates	**: 11/05/24 07:30 11/05/24 09:57**		

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	1.181	1.270	1.198	1.168	1.150	1.414	1.190	1.157	1.049	0.996	1.177	9.65
3)	s	Phenol-d6	1.421	1.476	1.368	1.383	1.366	1.703	1.420	1.437	1.475	1.418	1.447	6.78
4)	T	bis(2-Chloroethyl)ether				1.180	1.209	2.019	1.197	1.185	1.180	1.103	*Q	0.9949
5)	T	n-Nitrosodi-n-propylamine			0.854	0.813	0.816	1.027	0.852	0.871	0.891	0.856	0.873	7.74
6)	t	Hexachloroethane			0.519	0.505	0.501	0.629	0.518	0.518	0.510	0.489	0.524	8.39
7)	s	Nitrobenzene-d5		1.243	1.235	1.219	1.224	1.533	1.264	1.279	1.280	1.217	1.277	7.74
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene		1.154	1.028	0.974	0.957	1.173	0.960	0.947	0.931	0.876	1.000	10.10
10)	t	Hexachlorobutadiene		0.205	0.193	0.186	0.183	0.223	0.185	0.182	0.179	0.169	0.189	8.32
11)	t	2-Methylnaphthalene	0.742	0.741	0.698	0.667	0.660	0.818	0.683	0.665	0.652	0.615	0.694	8.43
12)	t	1-Methylnaphthalene	0.669	0.683	0.649	0.619	0.615	0.762	0.623	0.606	0.597	0.563	0.639	8.75
13)	s	2-Fluorobiphenyl	0.894	0.876	0.822	0.801	0.797	0.977	0.778	0.744	0.711	0.663	0.806	11.41
14)	t	2-Chloronaphthalene	0.738	0.750	0.700	0.668	0.667	0.819	0.662	0.644	0.636	0.607	0.689	9.21
15)	t	2,6-Dinitrotoluene					0.130	0.170	0.150	0.152	0.156	0.178	0.156	10.83
16)	t	Acenaphthylene	1.010	1.049	0.959	0.925	0.938	1.190	1.000	0.977	0.969	0.920	0.994	8.04
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.347	1.308	1.174	1.193	1.153	1.415	1.141	1.137	1.136	1.070	1.207	9.18
19)	t	2,4-Dinitrotoluene					0.256	0.367	0.337	0.352	0.361	0.342	0.336	12.13
20)	t	Fluorene	1.402	1.403	1.274	1.250	1.256	1.565	1.273	1.266	1.229	1.146	1.306	9.07
21)	s	2,4,6-Tribromophenol		0.150	0.143	0.137	0.146	0.193	0.166	0.167	0.170	0.163	0.159	10.79
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.068	0.099	0.102	0.111	0.123	0.121	*L	0.9983
24)	t	Hexachlorobenzene		0.234	0.216	0.207	0.203	0.251	0.206	0.202	0.198	0.185	0.211	9.43
25)	t	Pentachlorophenol				0.076	0.087	0.082	0.094	0.113	0.133	0.133	*Q	0.9965
26)	t	Phenanthrene	0.797	0.930	0.897	0.967	0.944	1.205	0.973	0.954	0.959	0.906	0.953	10.75
27)	t	Anthracene	1.028	1.011	0.975	0.933	0.932	1.179	0.975	0.972	0.964	0.894	0.986	7.91
28)	t	Fluoranthene	1.259	1.192	1.089	1.028	1.038	1.304	1.063	1.044	1.018	0.943	1.098	10.54
29)	t	Pyrene	1.281	1.229	1.126	1.073	1.071	1.358	1.099	1.079	1.035	0.970	1.132	10.60
30)	s	4-Terphenyl-d14		0.798	0.747	0.717	0.726	0.897	0.706	0.694	0.652	0.610	0.727	11.42
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene	1.294	0.717	0.357	0.229	0.142	0.152	0.126	0.121	0.126	0.120	*L	0.9993
33)	t	3,3'-Dichlorobenzene					0.345	0.479	0.427	0.443	0.462	0.437	0.432	10.74
34)	t	Chrysene	0.685	0.988	0.996	1.070	1.064	1.415	1.128	1.138	1.086	1.020	1.059	16.93
35)	T	bis(2-Ethylhexyl)phthalate					0.540	0.722	0.670	0.719	0.806	0.789	0.708	13.59
36)	i	Perylene-d12	ISTD											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21668**
Calibration dates	**: 11/05/24 07:30 11/05/24 09:57**		

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	1.252	1.299	1.184	1.114	1.162	1.380	1.210	1.168	1.203	1.165	1.214	6.42
38) t	Benzo[k]fluoranthene	1.121	1.055	1.039	1.002	0.950	1.351	1.152	1.129	1.123	0.990	1.091	10.44
39) t	Benzo[a]pyrene	0.971	0.979	0.914	0.884	0.897	1.184	1.039	1.022	1.055	0.995	0.994	8.96
40) t	Indeno[1,2,3-cd]pyrene	0.987	1.003	0.945	0.921	0.931	1.205	1.059	1.033	1.046	1.036	1.017	8.15
41) t	Dibenzo[a,h]anthracene	0.936	0.951	0.893	0.882	0.912	1.198	0.992	0.963	0.922	0.900	0.955	9.59
42) t	Benzo[g,h,i]perylene	0.998	0.996	0.941	0.929	0.931	1.196	1.007	0.991	0.959	0.924	0.987	8.11

Response Factor Report SV120

Method Path : I:\8270SIM\sv120\241105RVTical\
Method File : SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 05 16:50:36 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

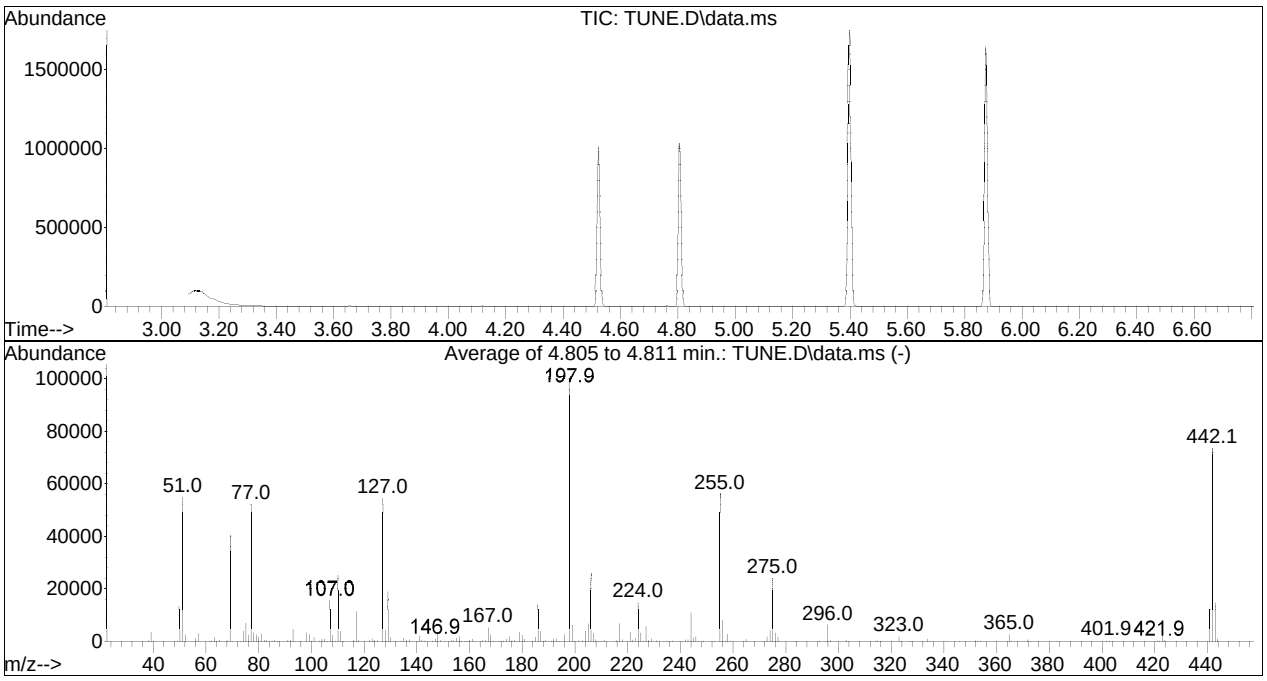
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.181	1.270	1.198	1.168	1.150	1.414	1.190	1.157	1.049	0.996	1.177	9.65
3)	s	Phenol-d6	1.421	1.476	1.368	1.383	1.366	1.703	1.420	1.437	1.475	1.418	1.447	6.78
4)	T	bis(2-Chloroethyl)ether				1.180	1.209	2.019	1.197	1.185	1.180	1.103	*Q	0.9949
5)	T	n-Nitrosodi-n-propylamine			0.854	0.813	0.816	1.027	0.852	0.871	0.891	0.856	0.873	7.74
6)	t	Hexachloroethane			0.519	0.505	0.501	0.629	0.518	0.518	0.510	0.489	0.524	8.39
7)	s	Nitrobenzene-d5		1.243	1.235	1.219	1.224	1.533	1.264	1.279	1.280	1.217	1.277	7.74
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene		1.154	1.028	0.974	0.957	1.173	0.960	0.947	0.931	0.876	1.000	10.10
10)	t	Hexachlorobutadiene		0.205	0.193	0.186	0.183	0.223	0.185	0.182	0.179	0.169	0.189	8.32
11)	t	2-Methylnaphthalene	0.742	0.741	0.698	0.667	0.660	0.818	0.683	0.665	0.652	0.615	0.694	8.43
12)	t	1-Methylnaphthalene	0.669	0.683	0.649	0.619	0.615	0.762	0.623	0.606	0.597	0.563	0.639	8.75
13)	s	2-Fluorobiphenyl	0.894	0.876	0.822	0.801	0.797	0.977	0.778	0.744	0.711	0.663	0.806	11.41
14)	t	2-Chloronaphthalene	0.738	0.750	0.700	0.668	0.667	0.819	0.662	0.644	0.636	0.607	0.689	9.21
15)	t	2,6-Dinitrotoluene					0.130	0.170	0.150	0.152	0.156	0.178	0.156	10.83
16)	t	Acenaphthylene	1.010	1.049	0.959	0.925	0.938	1.190	1.000	0.977	0.969	0.920	0.994	8.04
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.347	1.308	1.174	1.193	1.153	1.415	1.141	1.137	1.136	1.070	1.207	9.18
19)	t	2,4-Dinitrotoluene					0.256	0.367	0.337	0.352	0.361	0.342	0.336	12.13
20)	t	Fluorene	1.402	1.403	1.274	1.250	1.256	1.565	1.273	1.266	1.229	1.146	1.306	9.07
21)	s	2,4,6-Tribromophenol		0.150	0.143	0.137	0.146	0.193	0.166	0.167	0.170	0.163	0.159	10.79
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.068	0.099	0.102	0.111	0.123	0.121	*L	0.9983
24)	t	Hexachlorobenzene		0.234	0.216	0.207	0.203	0.251	0.206	0.202	0.198	0.185	0.211	9.43
25)	t	Pentachlorophenol				0.076	0.087	0.082	0.094	0.113	0.133	0.133	*Q	0.9965
26)	t	Phenanthrene	0.797	0.930	0.897	0.967	0.944	1.205	0.973	0.954	0.959	0.906	0.953	10.75
27)	t	Anthracene	1.028	1.011	0.975	0.933	0.932	1.179	0.975	0.972	0.964	0.894	0.986	7.91
28)	t	Fluoranthene	1.259	1.192	1.089	1.028	1.038	1.304	1.063	1.044	1.018	0.943	1.098	10.54
29)	t	Pyrene	1.281	1.229	1.126	1.073	1.071	1.358	1.099	1.079	1.035	0.970	1.132	10.60
30)	s	4-Terphenyl-d14		0.798	0.747	0.717	0.726	0.897	0.706	0.694	0.652	0.610	0.727	11.42
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene	1.294	0.717	0.357	0.229	0.142	0.152	0.126	0.121	0.126	0.120	*L	0.9993
33)	t	3,3'-Dichlorob...					0.345	0.479	0.427	0.443	0.462	0.437	0.432	10.74
34)	t	Chrysene	0.685	0.988	0.996	1.070	1.064	1.415	1.128	1.138	1.086	1.020	1.059	16.93
35)	T	bis(2-Ethylhexyl)phthalate					0.540	0.722	0.670	0.719	0.806	0.789	0.708	13.59
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...	1.252	1.299	1.184	1.114	1.162	1.380	1.210	1.168	1.203	1.165	1.214	6.42
38)	t	Benzo[k]fluora...	1.121	1.055	1.039	1.002	0.950	1.351	1.152	1.129	1.123	0.990	1.091	10.44
39)	t	Benzo[a]pyrene	0.971	0.979	0.914	0.884	0.897	1.184	1.039	1.022	1.055	0.995	0.994	8.96
40)	t	Indeno[1,2,3-c...	0.987	1.003	0.945	0.921	0.931	1.205	1.059	1.033	1.046	1.036	1.017	8.15
41)	t	Dibenzo[a,h]anthracene	0.936	0.951	0.893	0.882	0.912	1.198	0.992	0.963	0.922	0.900	0.955	9.59
42)	t	Benzo[g,h,i]pe...	0.998	0.996	0.941	0.929	0.931	1.196	1.007	0.991	0.959	0.924	0.987	8.11

(#) = Out of Range

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 05 16:50:36 2024



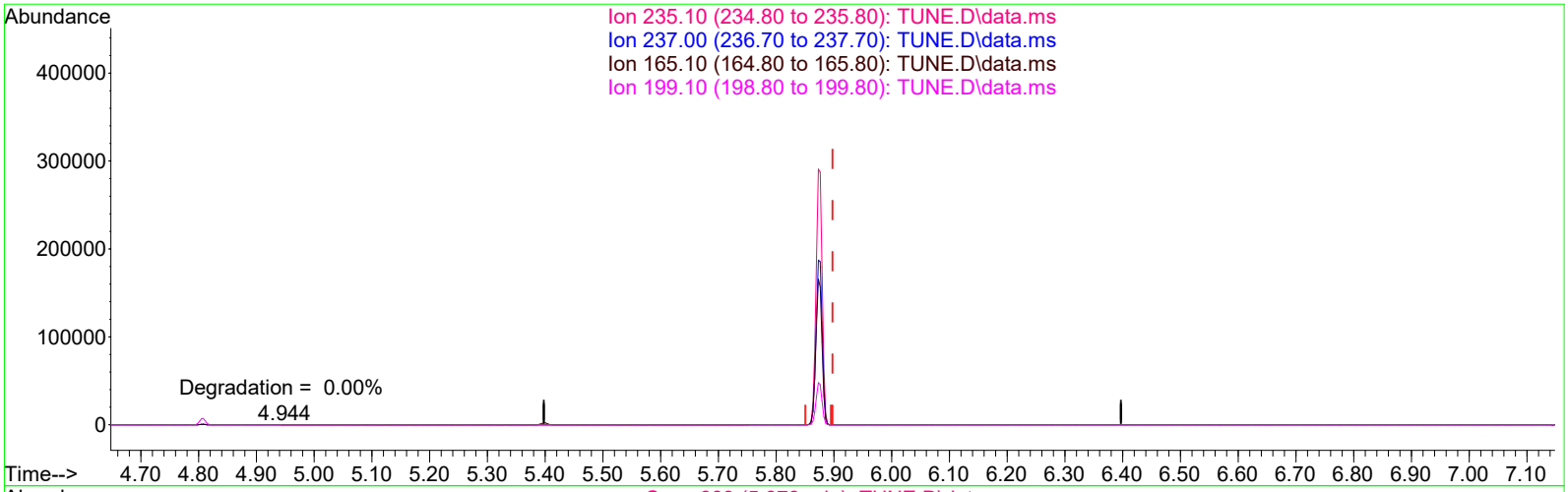
Spectrum Information: Average of 4.805 to 4.811 min.

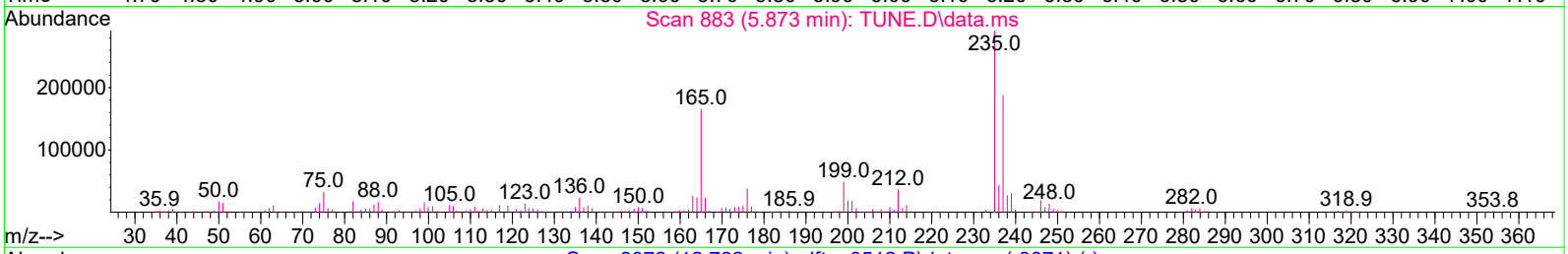
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	54.6	54901	PASS
68	69	0.00	2	1.7	694	PASS
69	69	100	100	100.0	40091	PASS
70	69	0.00	2	0.6	246	PASS
127	198	10	80	54.3	54555	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	100472	PASS
199	198	5	9	6.2	6264	PASS
275	198	10	60	24.2	24275	PASS
365	198	1	100	2.8	2770	PASS
441	442	0.01	24	16.6	12241	PASS
442	198	50	100	73.2	73557	PASS
443	442	15	24	20.0	14683	PASS

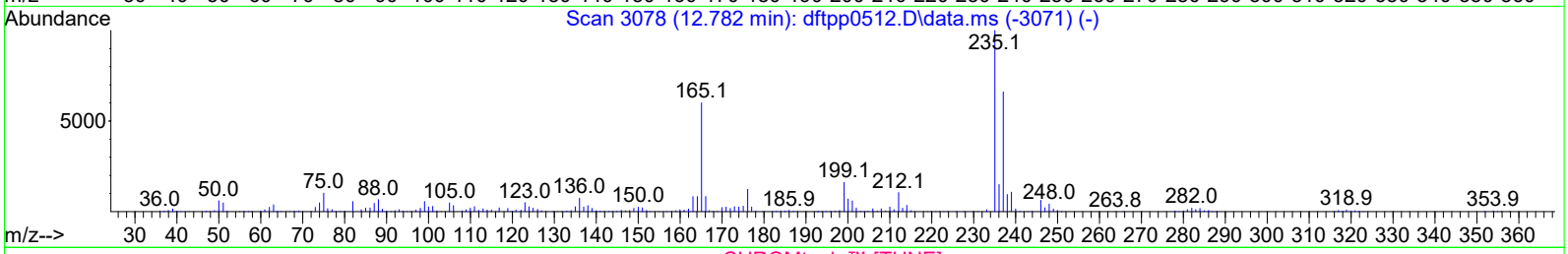
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 16:38:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:39:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools™ [TUNE]

(6) ddt (T)

5.873min (-0.025) 35.52

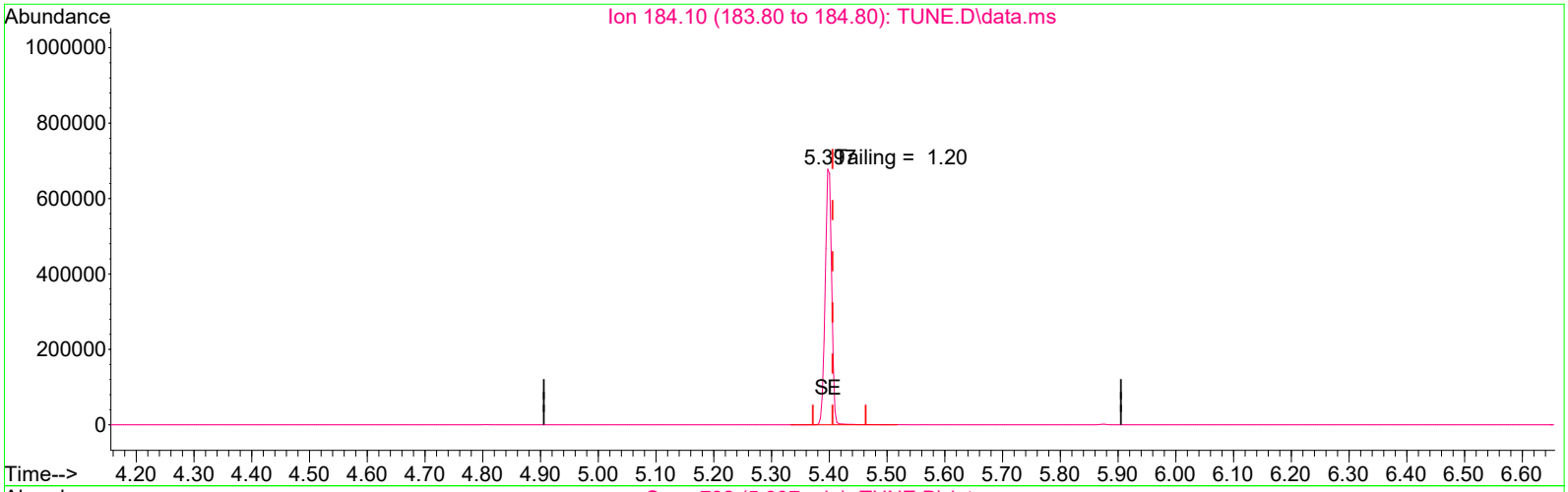
response 216520

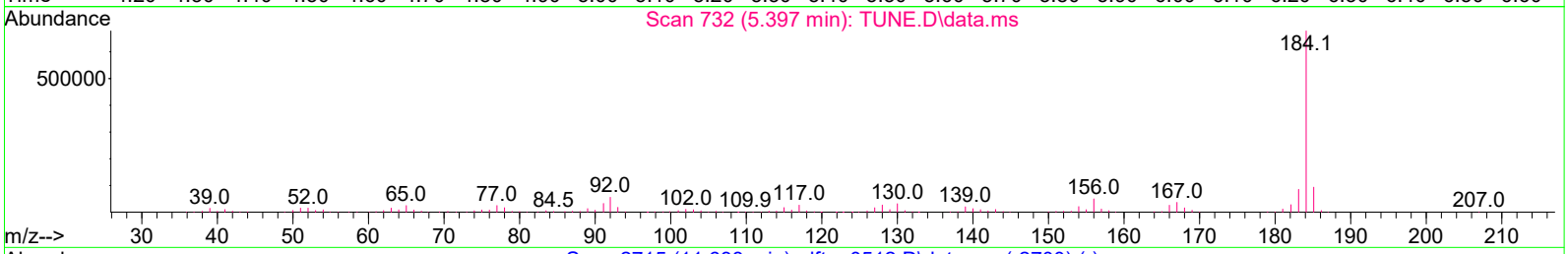
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.54
165.10	53.30	56.29
199.10	17.10	16.12

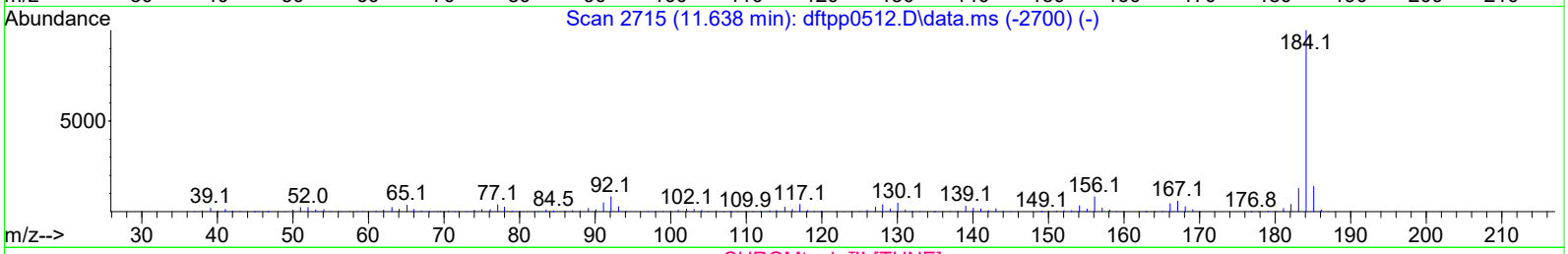
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 16:38:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:39:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools™ [TUNE]

(3) benzidine (T)

5.397min (-0.009) 51.81

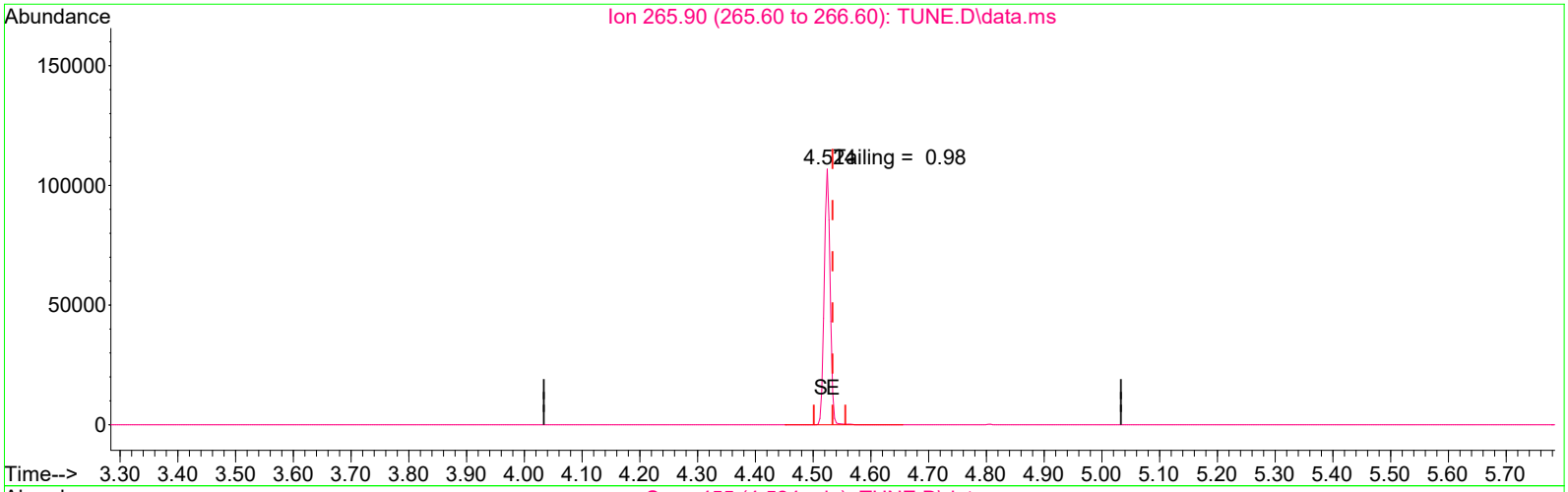
response 527412

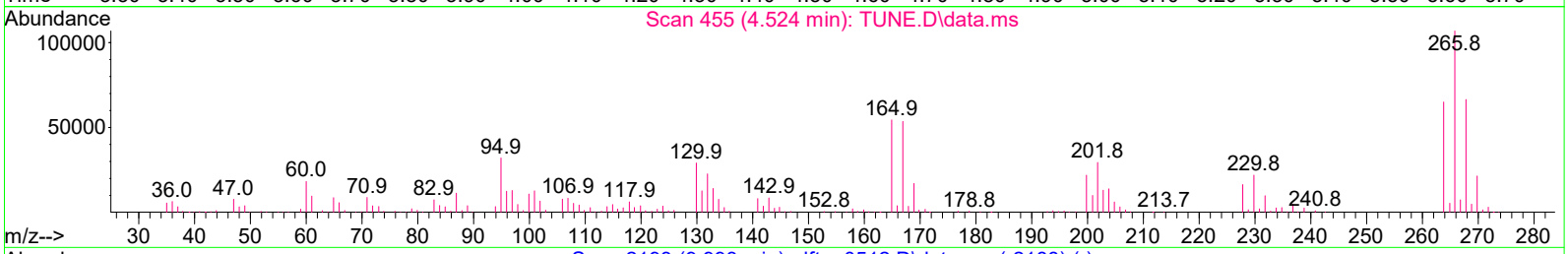
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

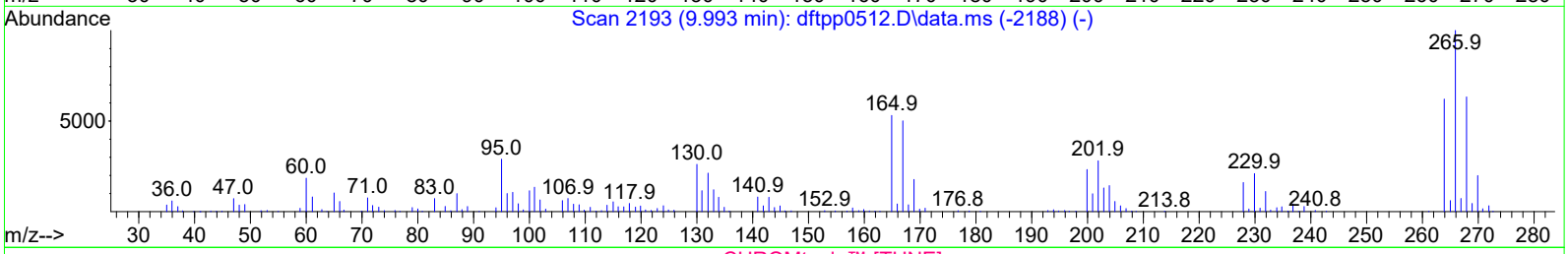
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 16:38:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:39:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.524min (-0.010) 36.28

response 76208

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\sv120\241105RVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 07:30 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1993471
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 16:49:59 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.052	152	341120	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 126.65%			
8) Naphthalene-d8	2.695	136	1341754	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 127.18%			
17) Acenaphthene-d10	3.663	164	790862	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 129.30%			
22) Phenanthrene-d10	4.498	188	1508245	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 129.38%			
31) Chrysene-d12	6.025	240	1190628	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 121.40%			
36) Perylene-d12	7.081	264	1146722	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 119.29%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.511	112	424509	4227.847	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 211.39%#			
3) Phenol-d6	1.884	99	604740	4901.671	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 245.08%#			
7) Nitrobenzene-d5	2.326	82	518850	4763.774	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 476.38%#			
13) 2-Fluorobiphenyl	3.290	172	1112259	4112.803	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 411.28%#			
21) 2,4,6-Tribromophenol	4.108	330	160795	5107.400	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 255.37%#			
30) 4-Terphenyl-d14	5.415	244	1149918	4192.981	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 209.65%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.928	93	470424	5011.589	ng/ml	99
5) n-nitrosodi-n-propylamine	2.256	70	364927	4904.400	ng/ml	99
6) Hexachloroethane	2.296	117	208475	4668.232	ng/ml	100
9) Naphthalene	2.708	128	1469278	4380.543	ng/ml	99
10) Hexachlorobutadiene	2.779	225	283824	4465.859	ng/ml	100
11) 2-Methylnaphthalene	3.082	142	1031748	4430.774	ng/ml	98
12) 1-Methylnaphthalene	3.137	142	943476	4404.966	ng/ml	98
14) 2-Chloronaphthalene	3.351	162	1018713	4407.018	ng/ml	100
15) 2,6-Dinitrotoluene	3.557	165	299038	5715.380	ng/ml#	80
16) Acenaphthylene	3.583	152	1542363	4627.875	ng/ml	100
18) Acenaphthene	3.682	153	1057576	4430.261	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 07:30 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1993471
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 16:49:59 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.782	165	338380	5091.097	ng/ml	97
20) Fluorene	3.970	166	1133351	4387.700	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.013	198	228762	5038.877	ng/ml	98
24) Hexachlorobenzene	4.287	284	349380	4385.430	ng/ml	99
25) Pentachlorophenol	4.398	266	250952	4931.379	ng/ml	100
26) Phenanthrene	4.512	178	1708840	4754.447	ng/ml	99
27) Anthracene	4.541	178	1684708	4530.463	ng/ml	99
28) Fluoranthene	5.186	202	1777140	4292.915	ng/ml	99
29) Pyrene	5.315	202	1827805	4281.872	ng/ml	100
32) Benzo[a]anthracene	6.015	228	1786981	4923.828	ng/ml	99
33) 3,3'-Dichlorobenzene	6.013	252	650897	5057.425	ng/ml	99
34) Chrysene	6.042	228	1518548	4817.669	ng/ml	97
35) Bis(2-ethylhexyl)phtha...	6.054	149	1174567	5574.832	ng/ml	99
37) Benzo[b]fluoranthene	6.755	252	1670157	4799.956	ng/ml	99
38) Benzo[k]fluoranthene	6.780	252	1418971	4536.310	ng/ml	98
39) Benzo[a]pyrene	7.027	252	1426727	5006.017	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.158	276	1485315	5096.724	ng/ml	99
41) Dibenzo[a,h]anthracene	8.195	278	1290764M6	4714.638	ng/ml	
42) Benzo[g,h,i]perylene	8.469	276	1324759	4680.475	ng/ml	100

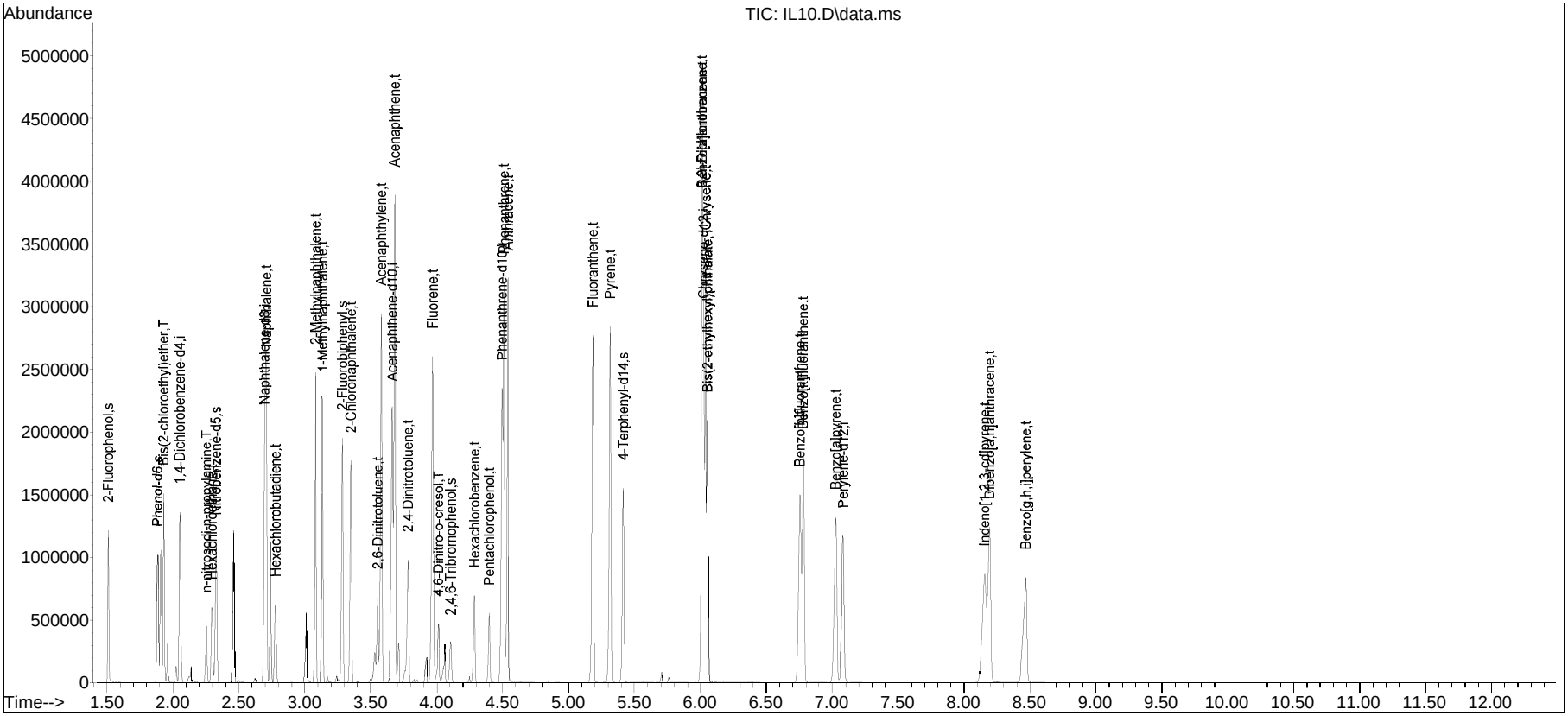
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 07:30 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1993471
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 16:49:59 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

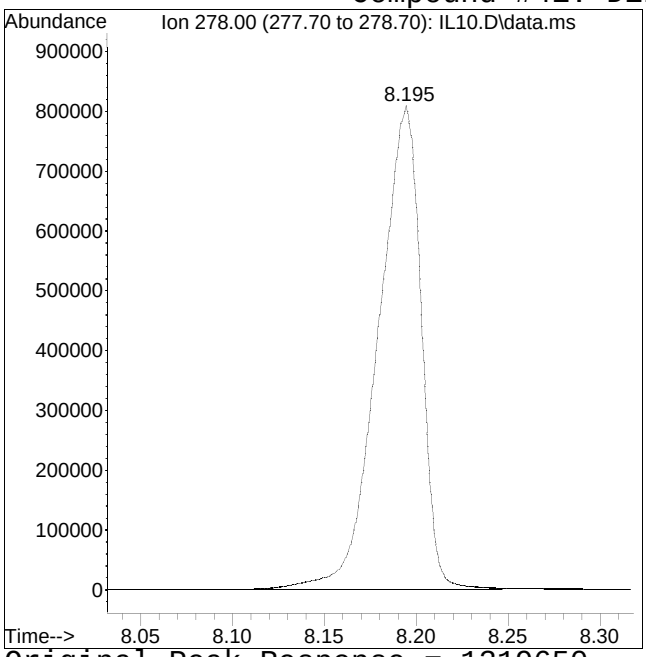
Sub List : Default - All compounds listedical\IL8.D•



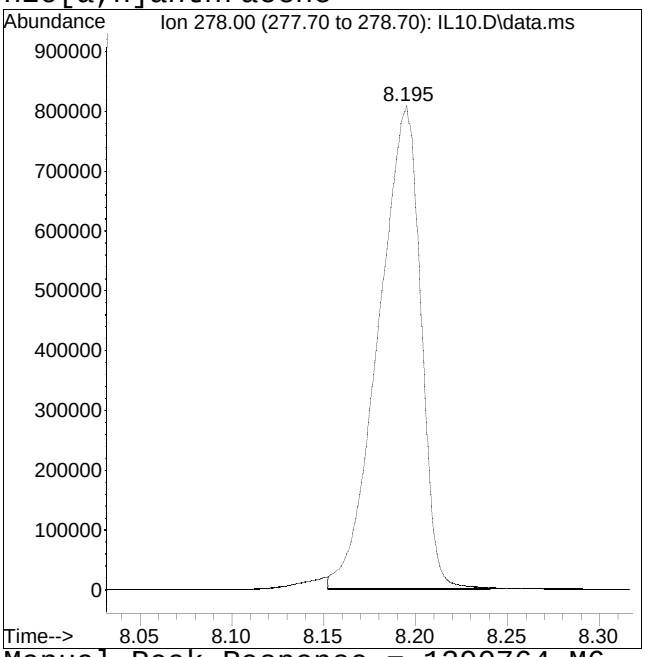
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL10.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 7:30 am Instrument : SV120
Sample : IL10,32,,5000.0ng/mL lot# Quant Date : 11/5/2024 4:50 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1319650



Manual Peak Response = 1290764 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 07:47 am
Operator : SV120:mrg
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1993471
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:50:43 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.055	152	375547	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 139.43%			
8) Naphthalene-d8	2.696	136	1472470	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 139.57%			
17) Acenaphthene-d10	3.663	164	854571	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 139.71%			
22) Phenanthrene-d10	4.498	188	1617772	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 138.77%			
31) Chrysene-d12	6.021	240	1256082	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 128.07%			
36) Perylene-d12	7.076	264	1168827	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 121.59%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.519	112	246169M6	2226.940	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 111.35%#			
3) Phenol-d6	1.884	99	346235	2549.114	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 127.46%#			
7) Nitrobenzene-d5	2.327	82	300399	2505.248	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 250.52%#			
13) 2-Fluorobiphenyl	3.287	172	654219	2204.355	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 220.44%#			
21) 2,4,6-Tribromophenol	4.104	330	90546	2661.639	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 133.08%#			
30) 4-Terphenyl-d14	5.410	244	659362	2241.478	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 112.07%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.931	93	276959	2498.726	ng/ml	100
5) n-nitrosodi-n-propylamine	2.254	70	209213	2553.944	ng/ml	99
6) Hexachloroethane	2.300	117	119643	2433.485	ng/ml	100
9) Naphthalene	2.705	128	856706	2327.460	ng/ml	100
10) Hexachlorobutadiene	2.779	225	164702	2361.463	ng/ml	100
11) 2-Methylnaphthalene	3.080	142	600424	2349.581	ng/ml	99
12) 1-Methylnaphthalene	3.135	142	548998	2335.656	ng/ml	99
14) 2-Chloronaphthalene	3.348	162	585059	2306.318	ng/ml	99
15) 2,6-Dinitrotoluene	3.552	165	143159	2493.239	ng/ml	99
16) Acenaphthylene	3.580	152	891422	2437.276	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 07:47 am
Operator : SV120:mrg
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1993471
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:50:43 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.680	153	606781	2352.352	ng/ml	100
19) 2,4-Dinitrotoluene	3.777	165	193072	2688.305	ng/ml	98
20) Fluorene	3.969	166	656403	2351.774	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.008	198	124870	2574.907	ng/ml	99
24) Hexachlorobenzene	4.284	284	199978	2340.189	ng/ml	100
25) Pentachlorophenol	4.396	266	134797	2681.512	ng/ml	100
26) Phenanthrene	4.510	178	969517	2514.830	ng/ml	100
27) Anthracene	4.538	178	974860	2444.076	ng/ml	99
28) Fluoranthene	5.185	202	1029736	2319.056	ng/ml	100
29) Pyrene	5.311	202	1046471	2285.523	ng/ml	100
32) Benzo[a]anthracene	6.014	228	986802	2572.721	ng/ml	99
33) 3,3'-Dichlorobenzene	6.009	252	362996	2673.481	ng/ml	100
34) Chrysene	6.036	228	852188	2562.725	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.052	149	633099	2848.287	ng/ml	99
37) Benzo[b]fluoranthene	6.750	252	879054	2478.583	ng/ml	99
38) Benzo[k]fluoranthene	6.771	252	820638	2573.883	ng/ml	99
39) Benzo[a]pyrene	7.018	252	770547	2652.519	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.147	276	764125	2572.438	ng/ml	99
41) Dibenzo[a,h]anthracene	8.178	278	673807M6	2414.599	ng/ml	
42) Benzo[g,h,i]perylene	8.452	276	700594	2428.440	ng/ml	100

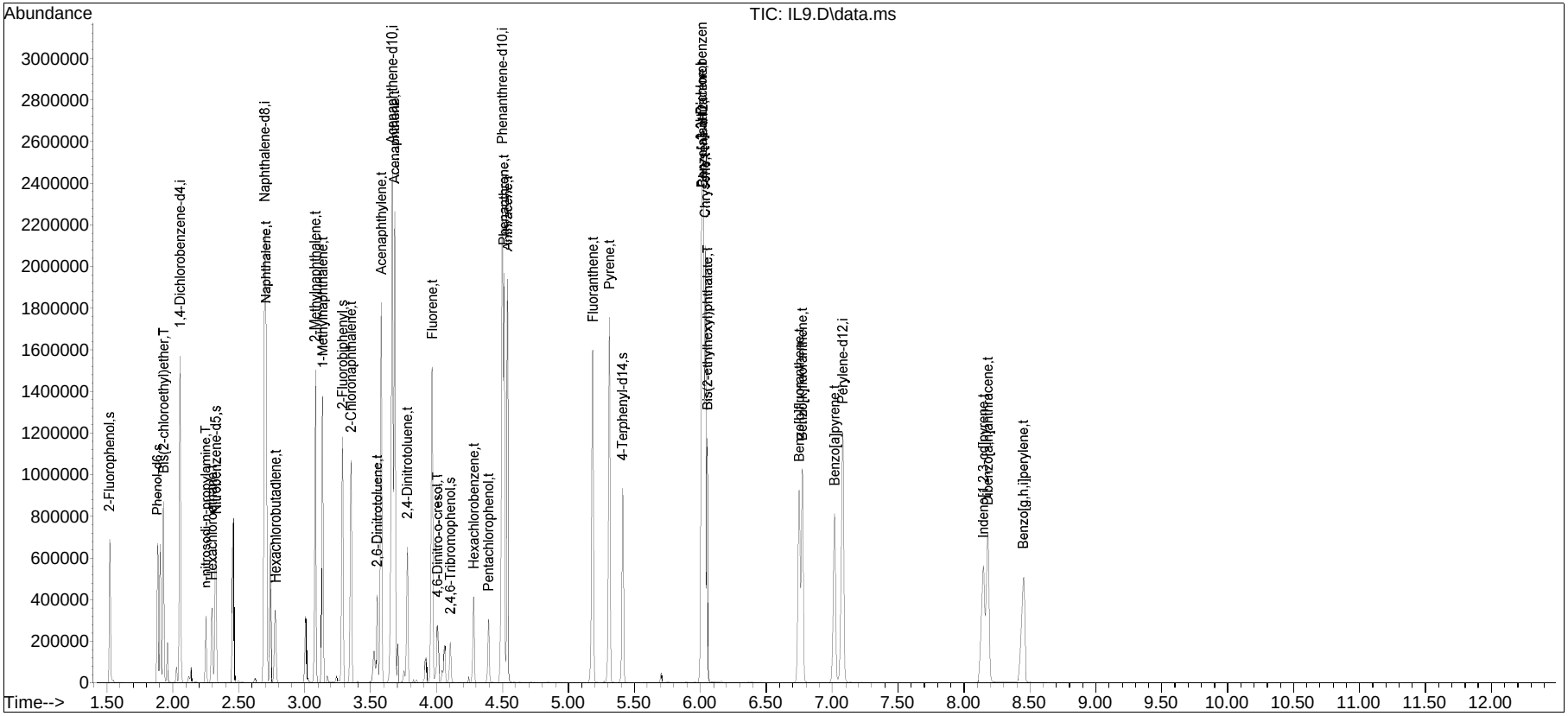
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 07:47 am
Operator : SV120:mrg
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1993471
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 16:50:43 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

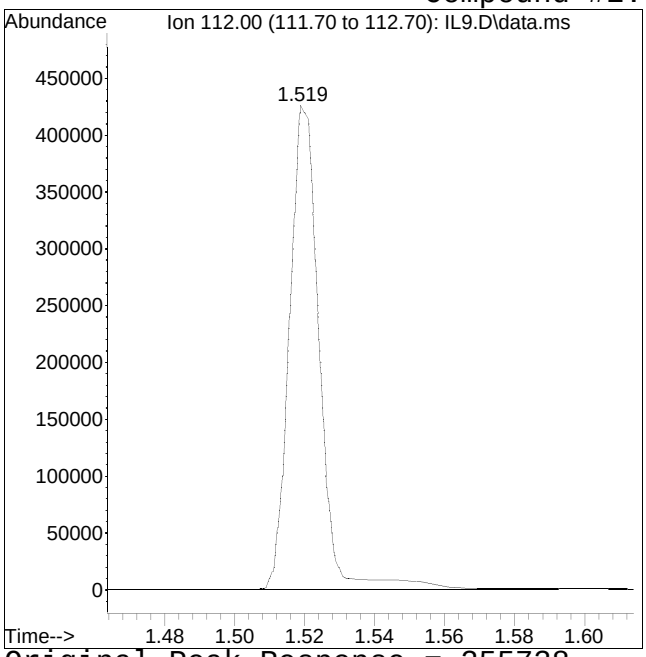
Sub List : Default - All compounds listedical\IL8.D•



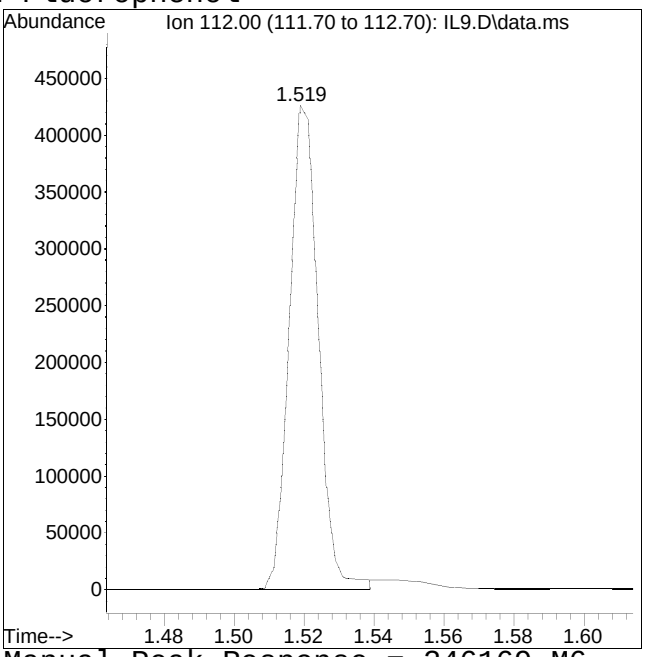
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL9.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 7:47 am Instrument : SV120
Sample : IL9,32,,2500.0ng/mL lot# 1Quant Date : 11/5/2024 4:51 pm

Compound #2: 2-Fluorophenol



Original Peak Response = 255738



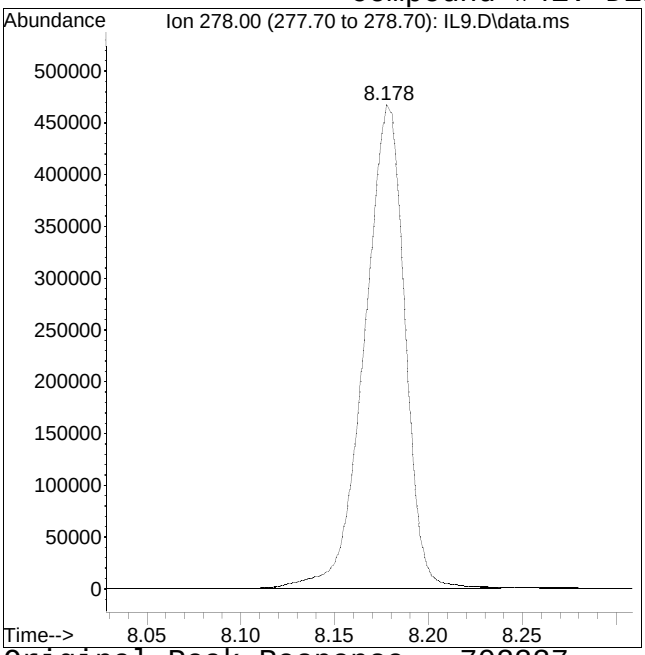
Manual Peak Response = 246169 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

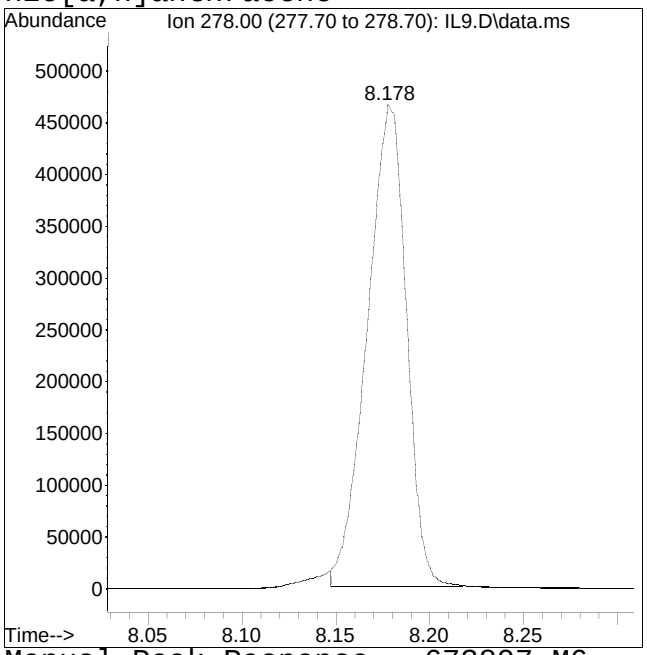
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL9.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 7:47 am Instrument : SV120
Sample : IL9,32,,2500.0ng/mL lot# 1Quant Date : 11/5/2024 4:51 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 702337



Manual Peak Response = 673807 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 08:03 am
Operator : SV120:mrg
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1993471
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 16:50:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.052	152	269340	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 100.00%			
8) Naphthalene-d8	2.695	136	1055011	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 100.00%			
17) Acenaphthene-d10	3.660	164	611711	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 100.01%			
22) Phenanthrene-d10	4.495	188	1165771	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 100.00%			
31) Chrysene-d12	6.016	240	980774	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 100.00%			
36) Perylene-d12	7.073	264	961303	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 100.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.504	112	77818	981.564	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.08%			
3) Phenol-d6	1.877	99	96758	993.273	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.66%			
7) Nitrobenzene-d5	2.323	82	86146	1001.730	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.17%			
13) 2-Fluorobiphenyl	3.287	172	196270	923.000	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 92.30%			
21) 2,4,6-Tribromophenol	4.100	330	25476	1046.196	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.31%			
30) 4-Terphenyl-d14	5.411	244	202243	954.087	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 47.70%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	79799	962.333	ng/ml	100
5) n-nitrosodi-n-propylamine	2.250	70	58624	997.842	ng/ml	100
6) Hexachloroethane	2.296	117	34869	988.882	ng/ml	100
9) Naphthalene	2.705	128	249684	946.740	ng/ml	100
10) Hexachlorobutadiene	2.776	225	48067	961.875	ng/ml	100
11) 2-Methylnaphthalene	3.080	142	175282	957.325	ng/ml	100
12) 1-Methylnaphthalene	3.135	142	159811	948.930	ng/ml	100
14) 2-Chloronaphthalene	3.348	162	169913	934.836	ng/ml	100
15) 2,6-Dinitrotoluene	3.549	165	40107	974.888	ng/ml	100
16) Acenaphthylene	3.577	152	257571	982.897	ng/ml	100
18) Acenaphthene	3.677	153	173798	941.276	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 08:03 am
Operator : SV120:mrg
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1993471
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 16:50:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.774	165	53871	1047.891	ng/ml	100
20) Fluorene	3.966	166	193639	969.214	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.001	198	32247	936.683	ng/ml	100
24) Hexachlorobenzene	4.281	284	58783	954.607	ng/ml	100
25) Pentachlorophenol	4.395	266	33017	978.234	ng/ml	100
26) Phenanthrene	4.507	178	278182	1001.351	ng/ml	100
27) Anthracene	4.535	178	283176	985.219	ng/ml	100
28) Fluoranthene	5.182	202	304329	951.114	ng/ml	100
29) Pyrene	5.308	202	314599	953.498	ng/ml	100
32) Benzo[a]anthracene	6.009	228	295783	981.642	ng/ml	100
33) 3,3'-Dichlorobenzene	6.002	252	108700	1025.307	ng/ml	100
34) Chrysene	6.031	228	278990	1074.495	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.050	149	176261	1015.588	ng/ml	100
37) Benzo[b]fluoranthene	6.744	252	280583	961.920	ng/ml	100
38) Benzo[k]fluoranthene	6.765	252	271213	1034.279	ng/ml	100
39) Benzo[a]pyrene	7.009	252	245722	1028.474	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.132	276	248243	1016.126	ng/ml	100
41) Dibenzo[a,h]anthracene	8.168	278	231405M6	1008.259	ng/ml	
42) Benzo[g,h,i]perylene	8.433	276	238001	1003.066	ng/ml	100

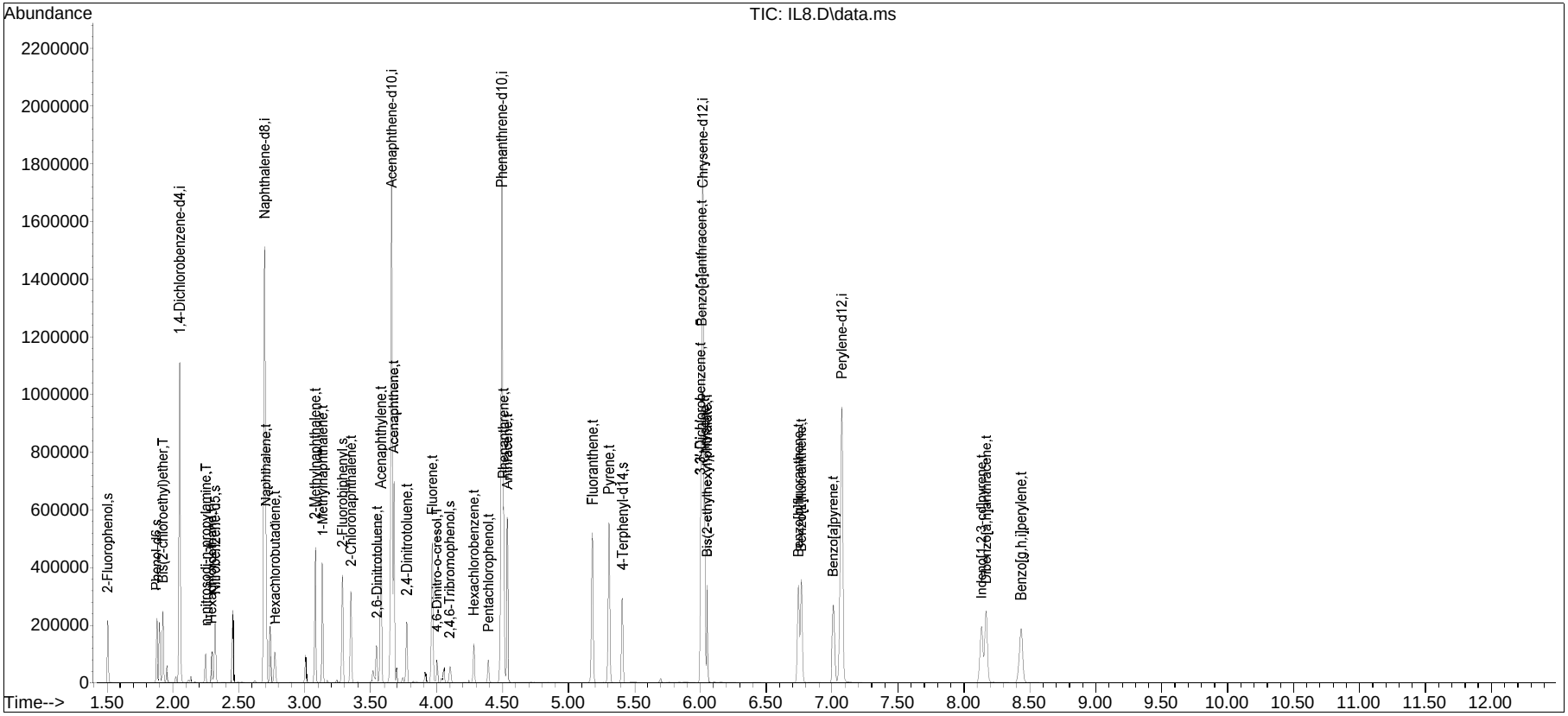
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 08:03 am
Operator : SV120:mrg
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1993471
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 05 16:50:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

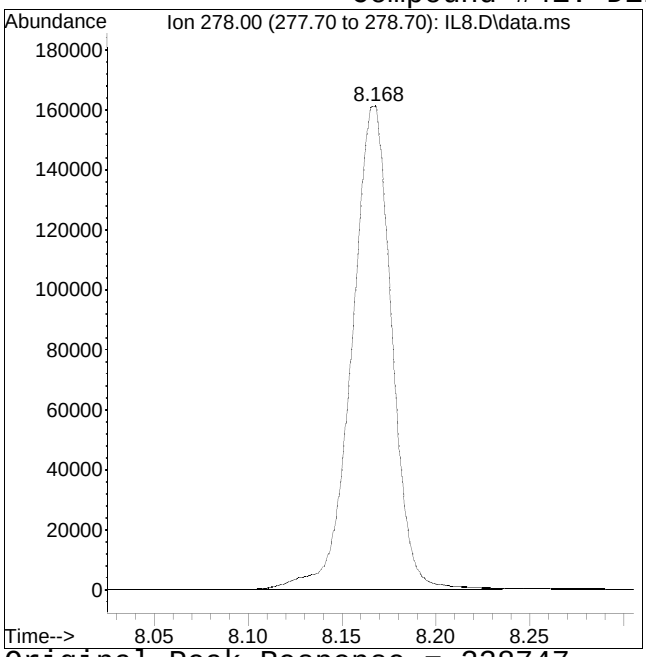
Sub List : Default - All compounds listedical\IL8.D•



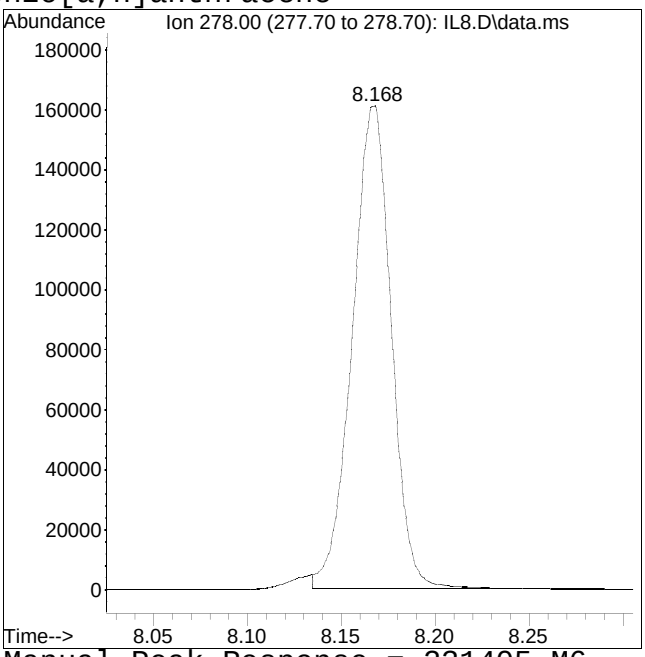
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL8.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:03 am Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1Quant Date : 11/5/2024 4:51 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 238747



Manual Peak Response = 231405 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 08:19 am
Operator : SV120:mrg
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1993471
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 16:50:29 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.050	152	269306	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 99.99%			
8) Naphthalene-d8	2.692	136	1036968	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 98.29%			
17) Acenaphthene-d10	3.659	164	611621	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 99.99%			
22) Phenanthrene-d10	4.493	188	1162862	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 99.75%			
31) Chrysene-d12	6.016	240	972352	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 99.14%			
36) Perylene-d12	7.073	264	935019	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 97.27%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.506	112	40075	505.553	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.28%			
3) Phenol-d6	1.878	99	47785	490.601	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.53%			
7) Nitrobenzene-d5	2.323	82	42567	495.044	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.50%			
13) 2-Fluorobiphenyl	3.284	172	100815	482.353	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.24%			
21) 2,4,6-Tribromophenol	4.100	330	12687	521.080	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 26.05%			
30) 4-Terphenyl-d14	5.410	244	102580	485.135	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 24.26%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.925	93	40304	478.546	ng/ml	99
5) n-nitrosodi-n-propylamine	2.247	70	28674	488.123	ng/ml	100
6) Hexachloroethane	2.297	117	17421	494.120	ng/ml	100
9) Naphthalene	2.702	128	124425	479.998	ng/ml	100
10) Hexachlorobutadiene	2.776	225	24037	489.377	ng/ml	100
11) 2-Methylnaphthalene	3.080	142	88469	491.592	ng/ml	100
12) 1-Methylnaphthalene	3.132	142	80740	487.762	ng/ml	99
14) 2-Chloronaphthalene	3.345	162	85754	480.015	ng/ml	100
15) 2,6-Dinitrotoluene	3.547	165	19400	479.764	ng/ml	98
16) Acenaphthylene	3.575	152	129616	503.224	ng/ml	100
18) Acenaphthene	3.675	153	87238	472.543	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 08:19 am
Operator : SV120:mrg
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1993471
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 16:50:29 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.773	165	25788	501.698	ng/ml	97
20) Fluorene	3.962	166	97290	487.034	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.001	198	14756	441.422	ng/ml	99
24) Hexachlorobenzene	4.279	284	29908	486.906	ng/ml	100
25) Pentachlorophenol	4.393	266	13733	421.222	ng/ml	99
26) Phenanthrene	4.505	178	141398	510.253	ng/ml	99
27) Anthracene	4.533	178	141714	494.282	ng/ml	100
28) Fluoranthene	5.181	202	154479	483.998	ng/ml	99
29) Pyrene	5.308	202	159784	485.491	ng/ml	100
32) Benzo[a]anthracene	6.009	228	153737	510.033	ng/ml	99
33) 3,3'-Dichlorobenzene	6.002	252	51932	494.089	ng/ml#	99
34) Chrysene	6.031	228	137137	532.740	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.050	149	81433	473.268	ng/ml	100
37) Benzo[b]fluoranthene	6.743	252	141382	498.324	ng/ml	100
38) Benzo[k]fluoranthene	6.765	252	134609	527.766	ng/ml	100
39) Benzo[a]pyrene	7.009	252	121410	522.449	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.131	276	123778	520.899	ng/ml	99
41) Dibenzo[a,h]anthracene	8.165	278	115896M6	519.168	ng/ml	
42) Benzo[g,h,i]perylene	8.430	276	117709	510.036	ng/ml	100

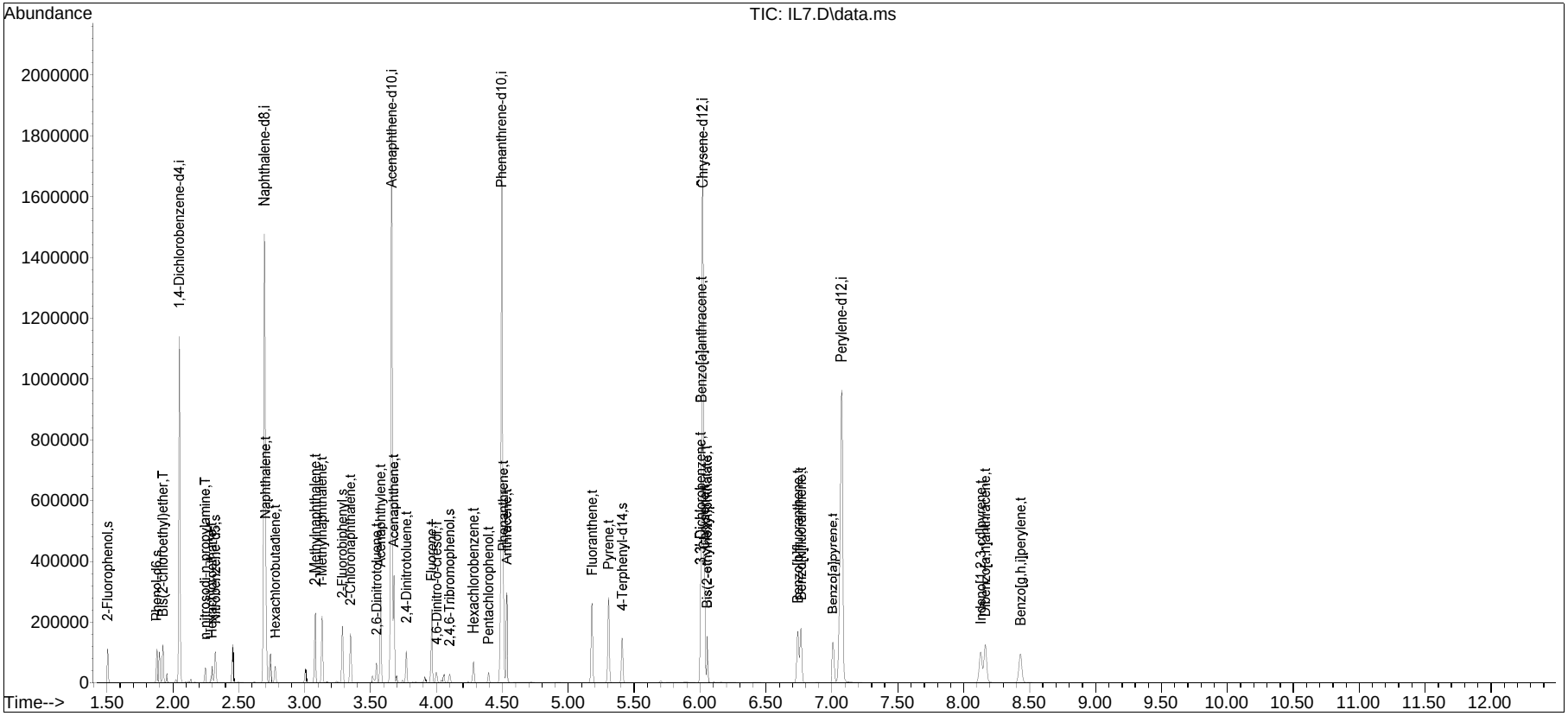
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 08:19 am
Operator : SV120:mrg
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1993471
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 05 16:50:29 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

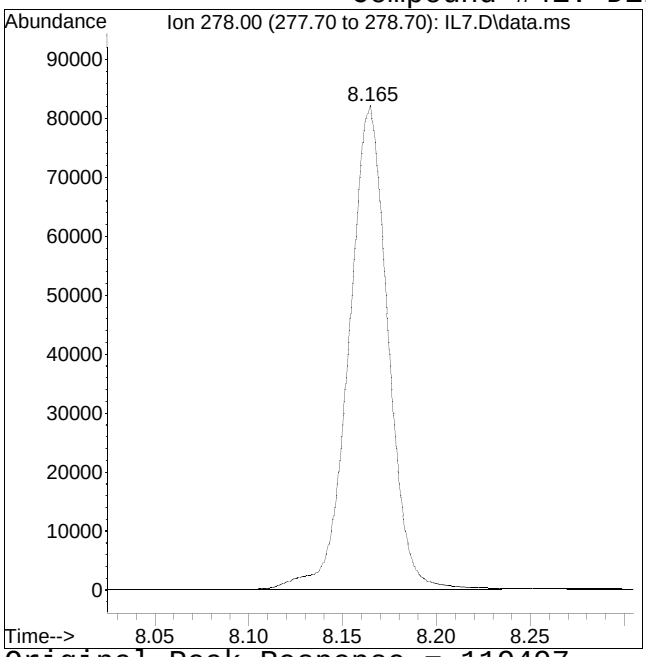
Sub List : Default - All compounds listedical\IL8.D•



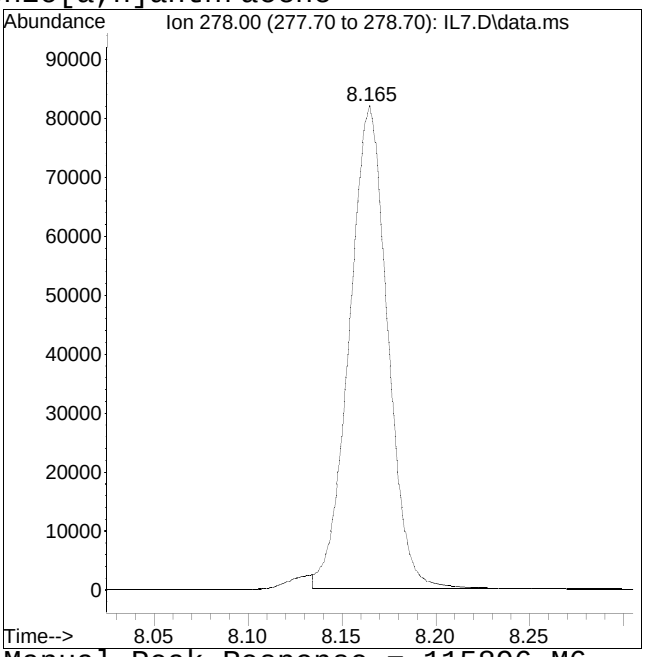
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL7.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:19 am Instrument : SV120
Sample : IL7,32,,500.0ng/mL lot# 10Quant Date : 11/5/2024 4:51 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 119497



Manual Peak Response = 115896 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 08:36 am
Operator : SV120:mrg
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1993471
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 16:50:24 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.049	152	224921	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 83.51%			
8) Naphthalene-d8	2.692	136	882674	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 83.66%			
17) Acenaphthene-d10	3.658	164	526331	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 86.05%			
22) Phenanthrene-d10	4.492	188	1040055	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 89.22%			
31) Chrysene-d12	6.016	240	955833	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 97.46%			
36) Perylene-d12	7.071	264	945247	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 98.33%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.496	112	7953	120.127	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 6.01%#			
3) Phenol-d6	1.875	99	9578	117.741	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.89%#			
7) Nitrobenzene-d5	2.323	82	8618	120.003	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.00%#			
13) 2-Fluorobiphenyl	3.287	172	21551	121.136	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.11%#			
21) 2,4,6-Tribromophenol	4.100	330	2535	120.989	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 6.05%#			
30) 4-Terphenyl-d14	5.411	244	23313	123.274	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 6.16%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	11354	157.982	ng/ml#	75
5) n-nitrosodi-n-propylamine	2.246	70	5774	117.688	ng/ml	99
6) Hexachloroethane	2.296	117	3539	120.187	ng/ml	99
9) Naphthalene	2.701	128	25879	117.285	ng/ml	100
10) Hexachlorobutadiene	2.776	225	4914	117.534	ng/ml	99
11) 2-Methylnaphthalene	3.080	142	18059	117.889	ng/ml	99
12) 1-Methylnaphthalene	3.131	142	16817	119.353	ng/ml	99
14) 2-Chloronaphthalene	3.345	162	18066	118.803	ng/ml	100
15) 2,6-Dinitrotoluene	3.546	165	3756	109.123	ng/ml	92
16) Acenaphthylene	3.577	152	26259	119.769	ng/ml	100
18) Acenaphthene	3.674	153	18621	117.209	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 08:36 am
Operator : SV120:mrg
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1993471
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 16:50:24 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	4835	109.306	ng/ml	90
20) Fluorene	3.962	166	20594	119.799	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.001	198	2580	103.729	ng/ml	96
24) Hexachlorobenzene	4.279	284	6518	118.644	ng/ml	99
25) Pentachlorophenol	4.393	266	2141	80.192	ng/ml	100
26) Phenanthrene	4.504	178	31343	126.460	ng/ml	95
27) Anthracene	4.533	178	30650	119.526	ng/ml	100
28) Fluoranthene	5.182	202	33908	118.781	ng/ml	100
29) Pyrene	5.308	202	35315	119.972	ng/ml	100
32) Benzo[a]anthracene	6.007	228	36408	115.522	ng/ml	100
33) 3,3'-Dichlorobenzene	6.002	252	11436	110.684	ng/ml	99
34) Chrysene	6.028	228	33809	133.609	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.050	149	17264	102.068	ng/ml	99
37) Benzo[b]fluoranthene	6.741	252	32611	113.699	ng/ml	99
38) Benzo[k]fluoranthene	6.763	252	31925	123.815	ng/ml	100
39) Benzo[a]pyrene	7.006	252	27989	119.138	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.126	276	28483	118.569	ng/ml	99
41) Dibenzo[a,h]anthracene	8.163	278	28301M6	125.405	ng/ml	
42) Benzo[g,h,i]perylene	8.425	276	28272	121.178	ng/ml	100

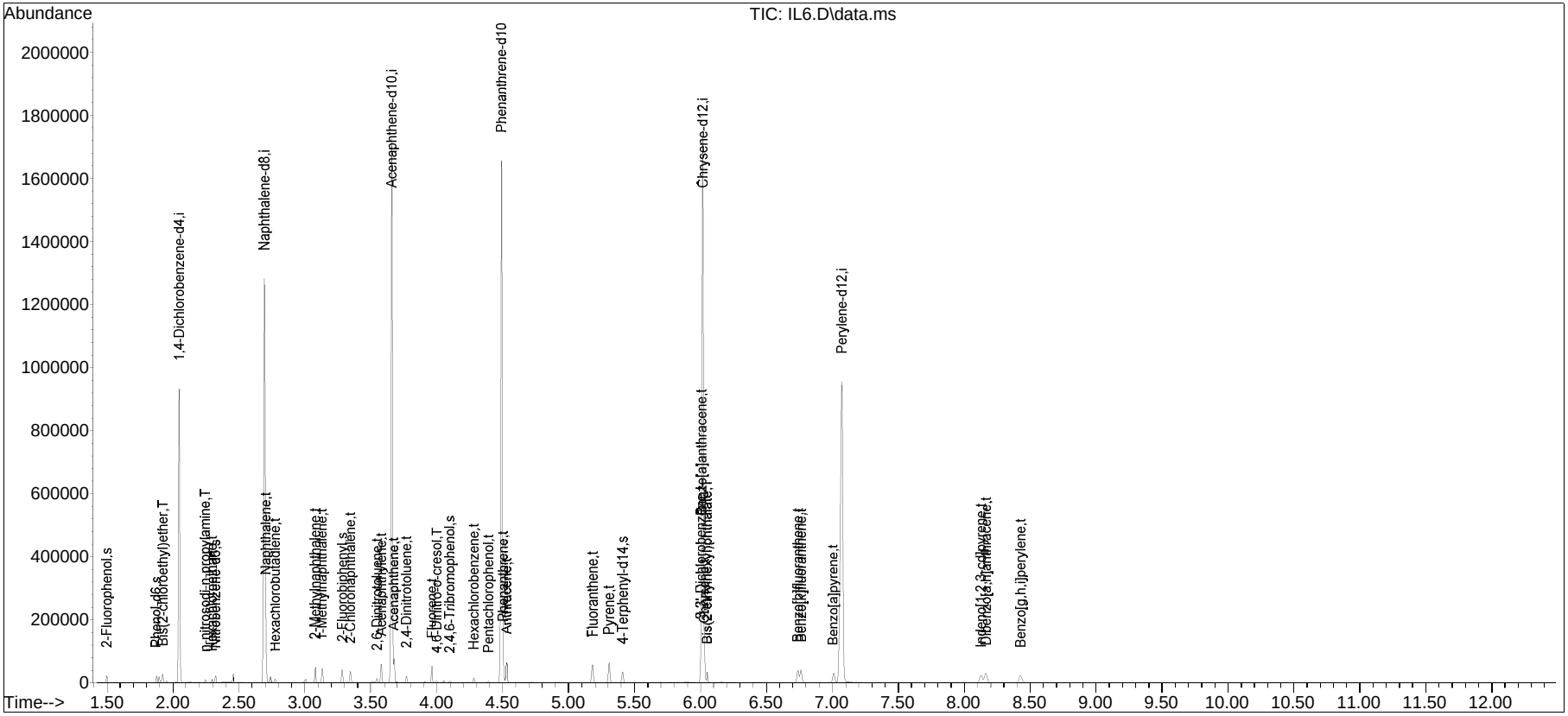
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 08:36 am
Operator : SV120:mrg
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1993471
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 16:50:24 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

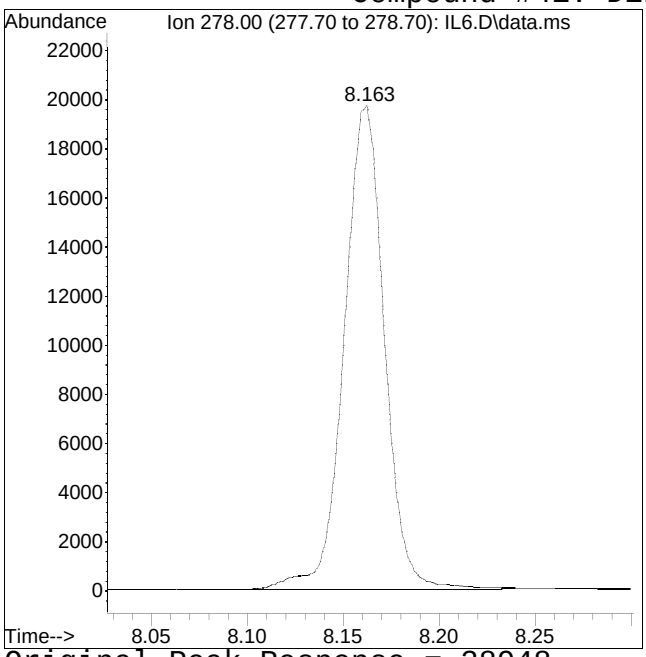
Sub List : Default - All compounds listedical\IL8.D•



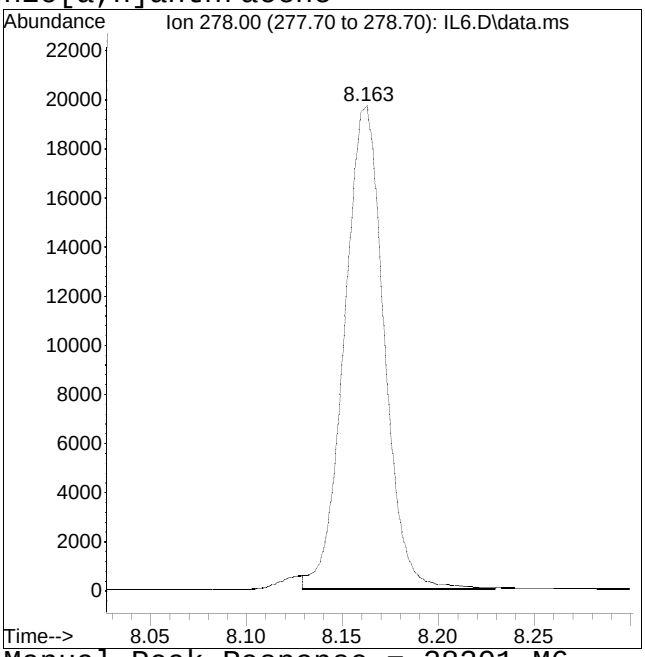
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL6.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:36 am Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 10Quant Date : 11/5/2024 4:51 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 28948



Manual Peak Response = 28301 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 08:52 am
Operator : SV120:mrg
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1993471
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 16:50:19 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.047	152	227773	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 84.57%			
8) Naphthalene-d8	2.691	136	889425	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 84.30%			
17) Acenaphthene-d10	3.658	164	533237	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 87.18%			
22) Phenanthrene-d10	4.494	188	1055271	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 90.52%			
31) Chrysene-d12	6.016	240	977784	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 99.70%			
36) Perylene-d12	7.072	264	949887	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 98.81%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.496	112	2620	39.079	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.95%#			
3) Phenol-d6	1.875	99	3112	37.776	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.89%#			
7) Nitrobenzene-d5	2.322	82	2787	38.322	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.83%#			
13) 2-Fluorobiphenyl	3.286	172	7085	39.522	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.95%#			
21) 2,4,6-Tribromophenol	4.102	330	781	36.792	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.84%#			
30) 4-Terphenyl-d14	5.407	244	7660	39.920	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 2.00%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	2753	35.271	ng/ml	99
5) n-nitrosodi-n-propylamine	2.249	70	1859	37.417	ng/ml	99
6) Hexachloroethane	2.295	117	1142	38.297	ng/ml	99
9) Naphthalene	2.701	128	8513	38.289	ng/ml	99
10) Hexachlorobutadiene	2.778	225	1629	38.667	ng/ml	99
11) 2-Methylnaphthalene	3.079	142	5871	38.035	ng/ml	99
12) 1-Methylnaphthalene	3.131	142	5467	38.506	ng/ml	99
14) 2-Chloronaphthalene	3.344	162	5934	38.726	ng/ml	100
15) 2,6-Dinitrotoluene	3.544	165	1157M4	33.359	ng/ml	
16) Acenaphthylene	3.575	152	8342	37.760	ng/ml	100
18) Acenaphthene	3.675	153	6147	38.191	ng/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 08:52 am
Operator : SV120:mrg
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1993471
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 16:50:19 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	1366	30.482	ng/ml#	82
20) Fluorene	3.964	166	6695	38.442	ng/ml	99
23) 4,6-Dinitro-o-cresol	3.999	198	719	44.211	ng/ml	96
24) Hexachlorobenzene	4.280	284	2142	38.427	ng/ml	99
25) Pentachlorophenol	4.394	266	917	37.925	ng/ml	98
26) Phenanthrene	4.506	178	9958M6	39.598	ng/ml	
27) Anthracene	4.534	178	9838	37.812	ng/ml	100
28) Fluoranthene	5.181	202	10954	37.819	ng/ml	99
29) Pyrene	5.307	202	11305	37.851	ng/ml	100
32) Benzo[a]anthracene	6.009	228	13918	37.105	ng/ml	96
33) 3,3'-Dichlorobenzene	6.001	252	3377	31.951	ng/ml#	74
34) Chrysene	6.028	228	10403	40.188	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	6.050	149	5280	30.516	ng/ml	100
37) Benzo[b]fluoranthene	6.740	252	11042	38.310	ng/ml	99
38) Benzo[k]fluoranthene	6.761	252	9020	34.811	ng/ml	100
39) Benzo[a]pyrene	7.008	252	8522	36.098	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.128	276	8839	36.615	ng/ml	100
41) Dibenzo[a,h]anthracene	8.161	278	8665M6	38.208	ng/ml	
42) Benzo[g,h,i]perylene	8.427	276	8847	37.734	ng/ml	100

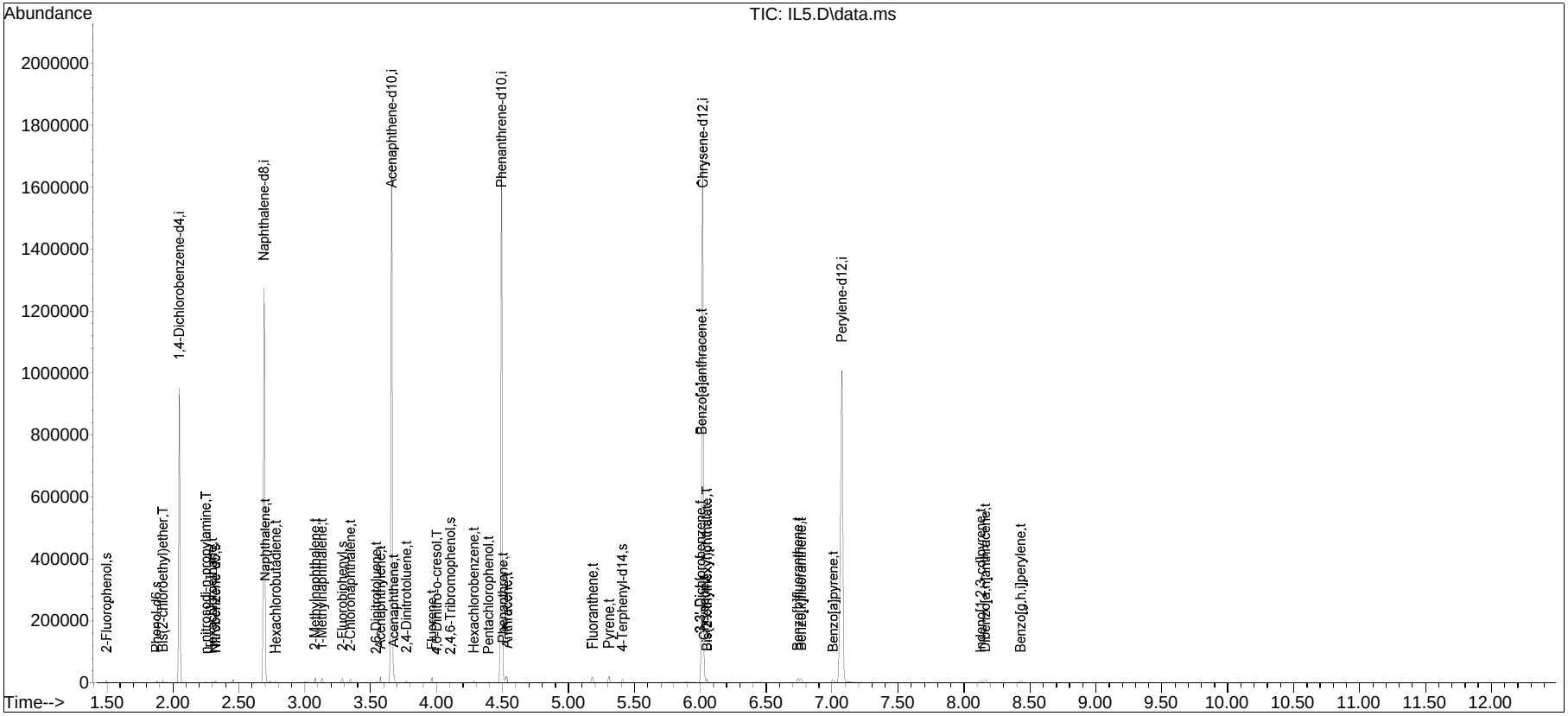
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 08:52 am
Operator : SV120:mrg
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1993471
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 05 16:50:19 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

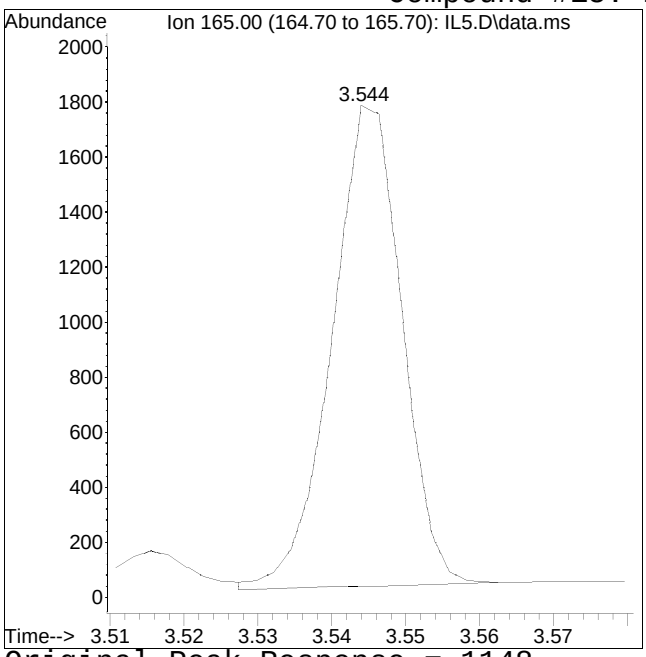
Sub List : Default - All compounds listedical\IL8.D•



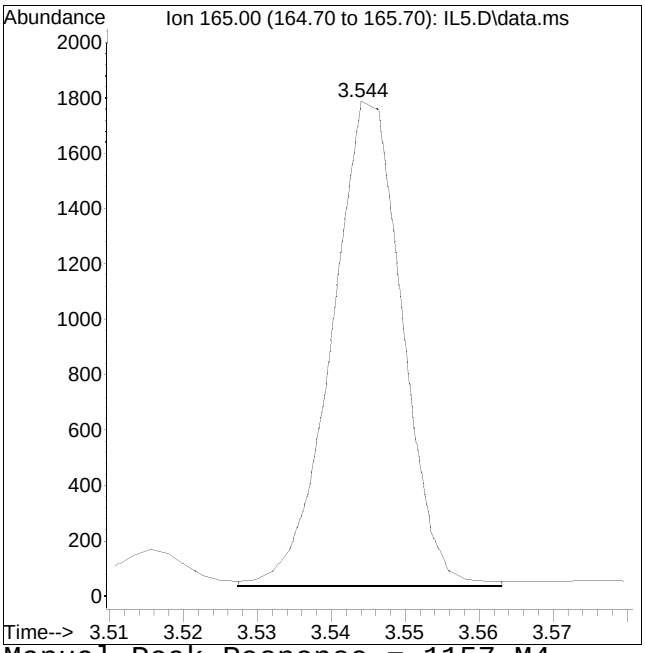
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:52 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 108Quant Date : 11/5/2024 4:51 pm

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 1148



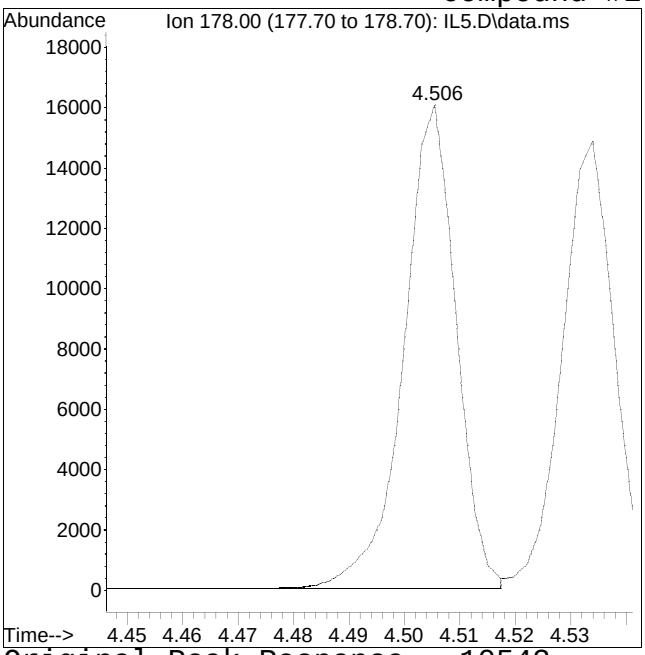
Manual Peak Response = 1157 M4

M4 = Poor automated baseline construction.

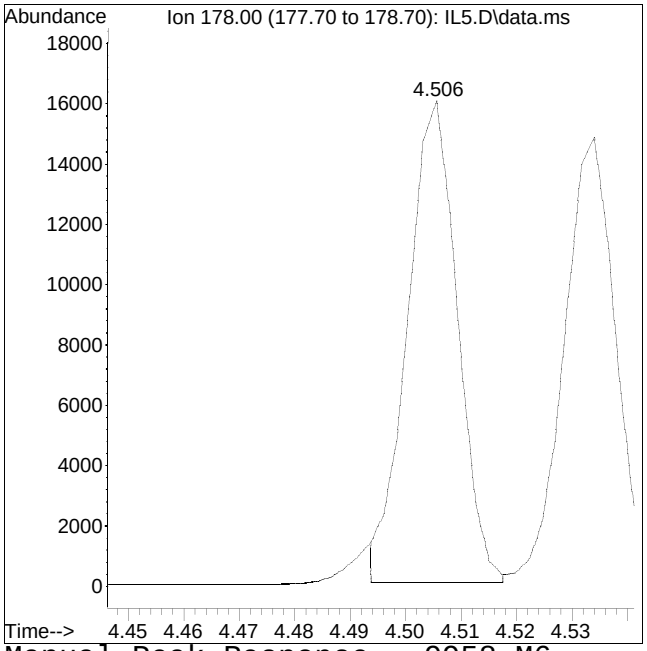
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL5.D
Date Inj'd : 11/5/2024 8:52 am
Sample : IL5,32,,40.0ng/mL lot# 108
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #26: Phenanthrene



Original Peak Response = 10543



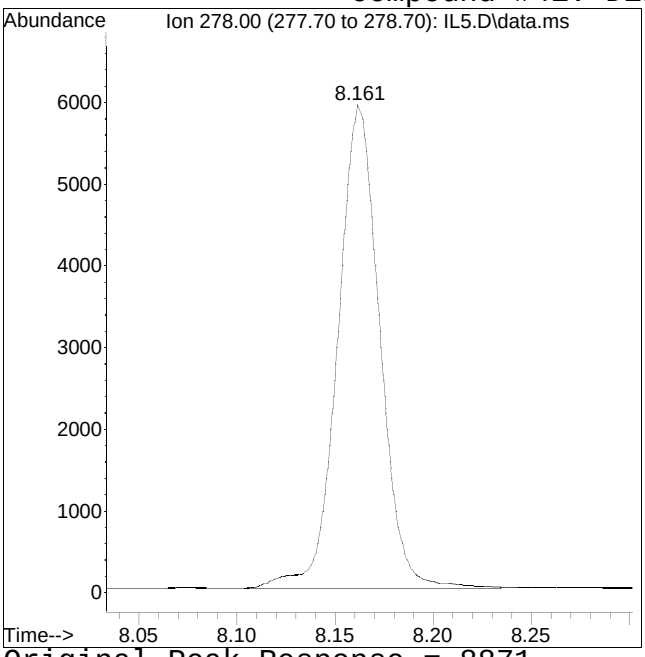
Manual Peak Response = 9958 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

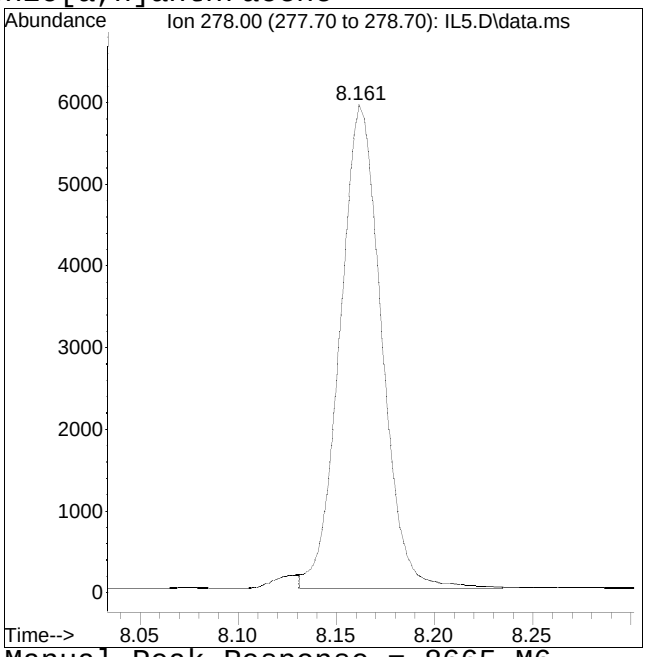
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL5.D
Date Inj'd : 11/5/2024 8:52 am
Sample : IL5,32,,40.0ng/mL lot# 108
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 8871



Manual Peak Response = 8665 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 09:08 am
Operator : SV120:mrg
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1993471
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 16:50:14 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.050	152	266082	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 98.79%			
8) Naphthalene-d8	2.692	136	1032752	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 97.89%			
17) Acenaphthene-d10	3.658	164	613551	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 100.31%			
22) Phenanthrene-d10	4.494	188	1201426	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 103.06%			
31) Chrysene-d12	6.015	240	1059480	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 108.03%			
36) Perylene-d12	7.071	264	1015071	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 105.59%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.499	112	777	9.921	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
3) Phenol-d6	1.875	99	920	9.560	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
7) Nitrobenzene-d5	2.323	82	811	9.546	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.95%#			
13) 2-Fluorobiphenyl	3.284	172	2069	9.940	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.99%#			
21) 2,4,6-Tribromophenol	4.099	330	210	8.598	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.43%#			
30) 4-Terphenyl-d14	5.408	244	2153	9.855	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.49%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	785	6.181	ng/ml	100
5) n-nitrosodi-n-propylamine	2.250	70	541	9.321	ng/ml	98
6) Hexachloroethane	2.296	117	336	9.646	ng/ml	99
9) Naphthalene	2.701	128	2514	9.738	ng/ml#	95
10) Hexachlorobutadiene	2.776	225	480	9.812	ng/ml	99
11) 2-Methylnaphthalene	3.080	142	1723	9.613	ng/ml	99
12) 1-Methylnaphthalene	3.131	142	1599	9.699	ng/ml	98
14) 2-Chloronaphthalene	3.345	162	1724	9.690	ng/ml	99
15) 2,6-Dinitrotoluene	3.544	165	373M4	9.262	ng/ml	
16) Acenaphthylene	3.575	152	2388	9.309	ng/ml	100
18) Acenaphthene	3.675	153	1830	9.881	ng/ml	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 09:08 am
Operator : SV120:mrg
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1993471
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 16:50:14 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	386	7.486	ng/ml#	85
20) Fluorene	3.965	166	1918	9.571	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.000	198	176	26.519	ng/ml	90
24) Hexachlorobenzene	4.280	284	621	9.785	ng/ml	100
25) Pentachlorophenol	4.394	266	227	13.695	ng/ml	91
26) Phenanthrene	4.506	178	2903M6	10.140	ng/ml	
27) Anthracene	4.534	178	2801	9.456	ng/ml	100
28) Fluoranthene	5.179	202	3088	9.364	ng/ml	99
29) Pyrene	5.308	202	3223	9.478	ng/ml	99
32) Benzo[a]anthracene	6.013	228	6056	9.105	ng/ml#	84
33) 3,3'-Dichlorobenzene	5.998	252	900	7.859	ng/ml#	1
34) Chrysene	6.027	228	2835	10.108	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	6.047	149	1939	10.342	ng/ml	99
37) Benzo[b]fluoranthene	6.736	252	2826	9.175	ng/ml	100
38) Benzo[k]fluoranthene	6.757	252	2542	9.181	ng/ml	100
39) Benzo[a]pyrene	7.004	252	2244	8.895	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.124	276	2336	9.055	ng/ml	100
41) Dibenzo[a,h]anthracene	8.157	278	2239M6	9.239	ng/ml	
42) Benzo[g,h,i]perylene	8.422	276	2358	9.411	ng/ml	100

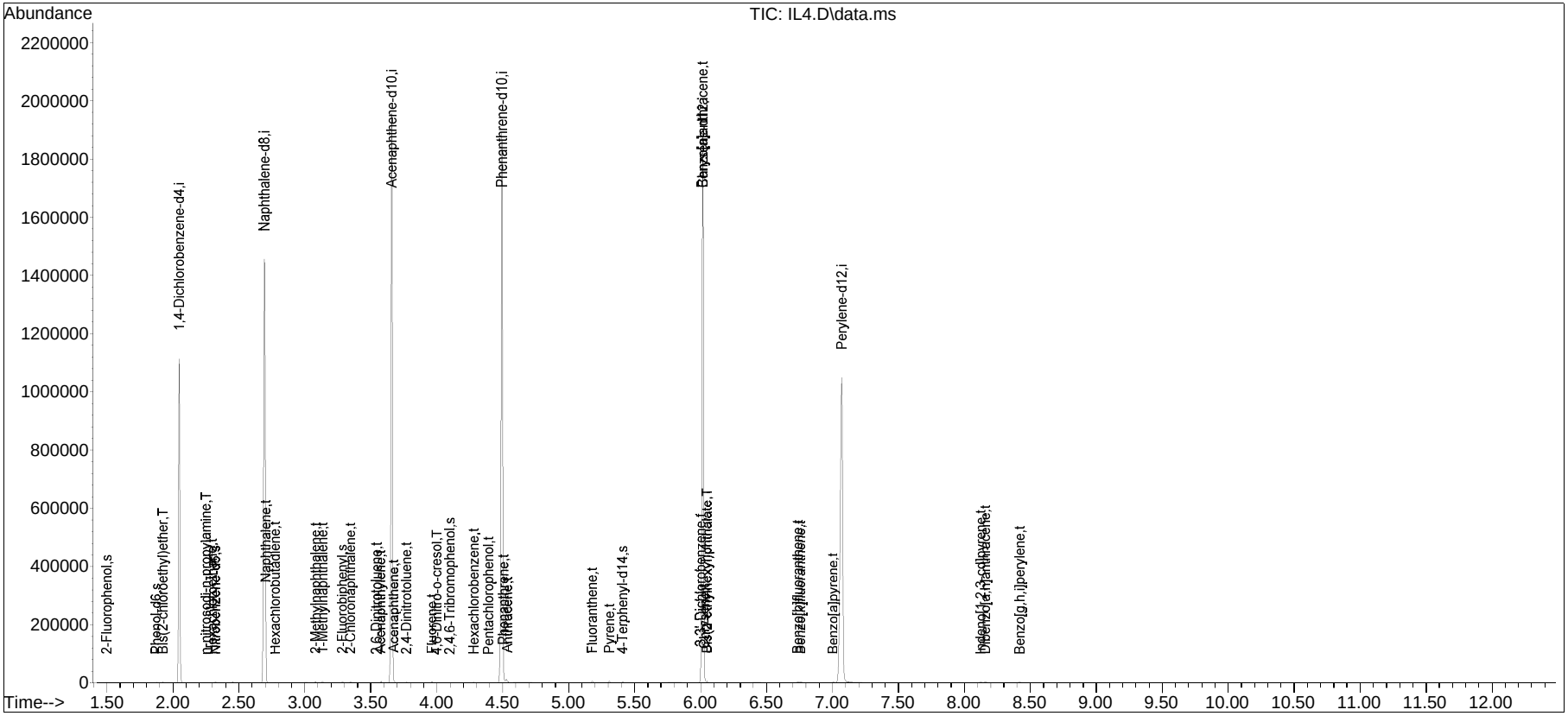
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 09:08 am
Operator : SV120:mrg
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1993471
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 16:50:14 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

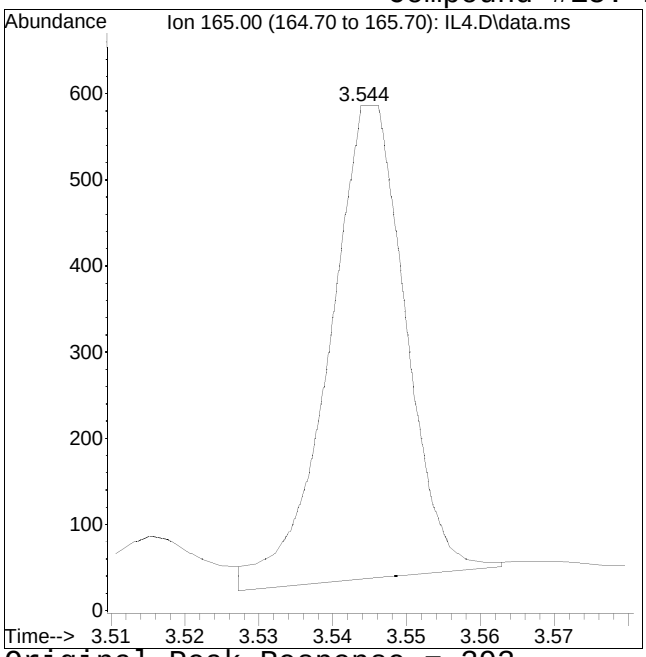
Sub List : Default - All compounds listedical\IL8.D•



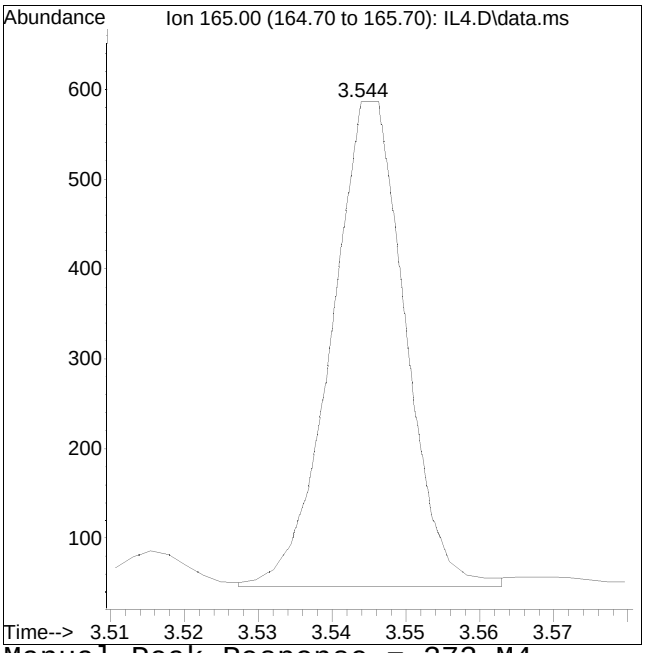
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL4.D
Date Inj'd : 11/5/2024 9:08 am
Sample : IL4,32,,10.0ng/mL lot#1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 393



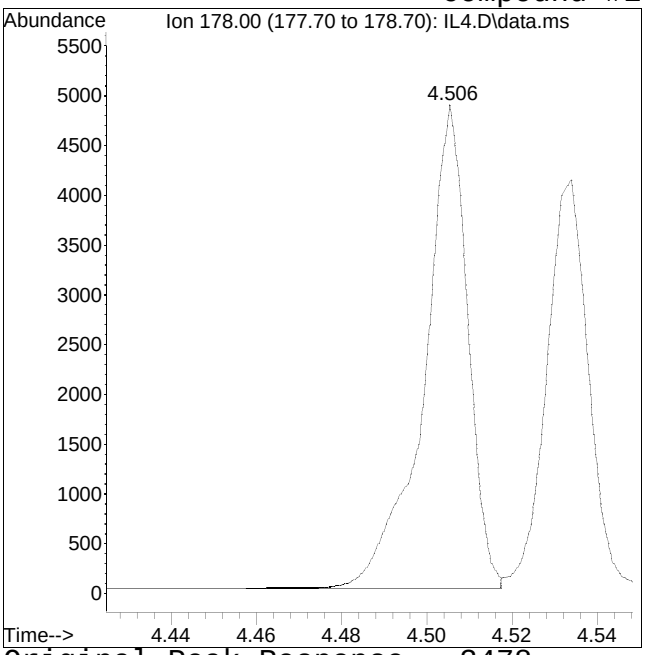
Manual Peak Response = 373 M4

M4 = Poor automated baseline construction.

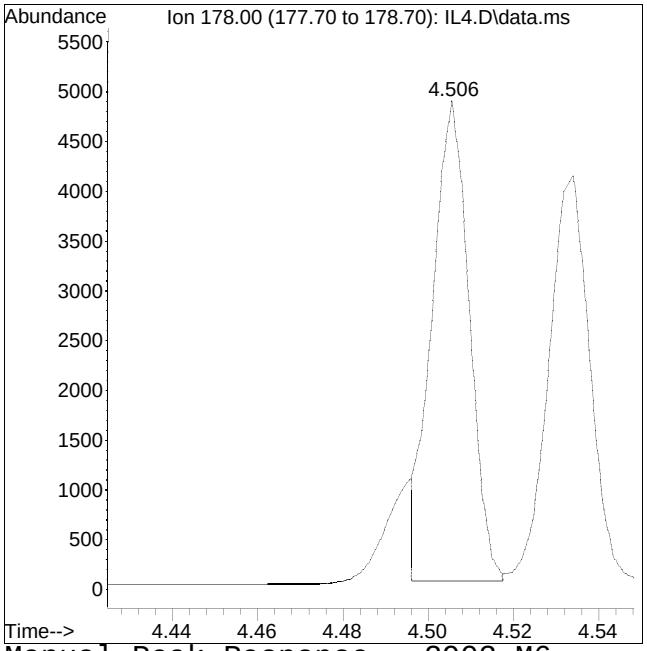
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL4.D
Date Inj'd : 11/5/2024 9:08 am
Sample : IL4,32,,10.0ng/mL lot#1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #26: Phenanthrene



Original Peak Response = 3478



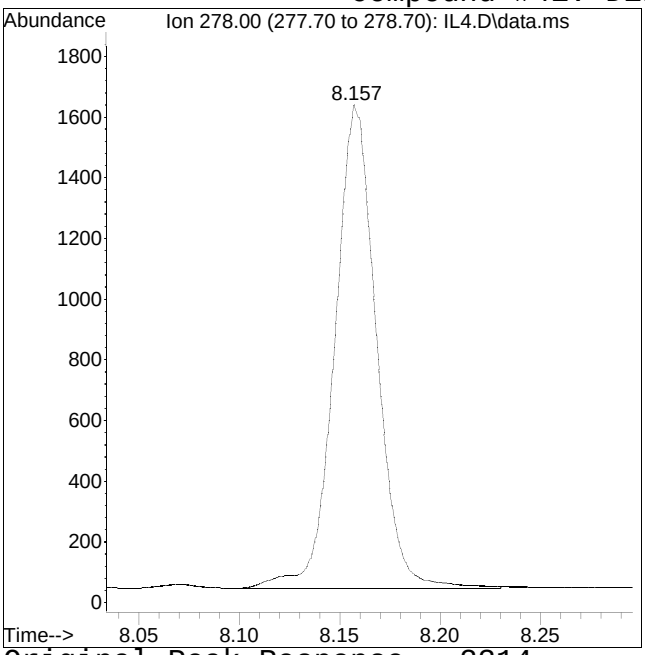
Manual Peak Response = 2903 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

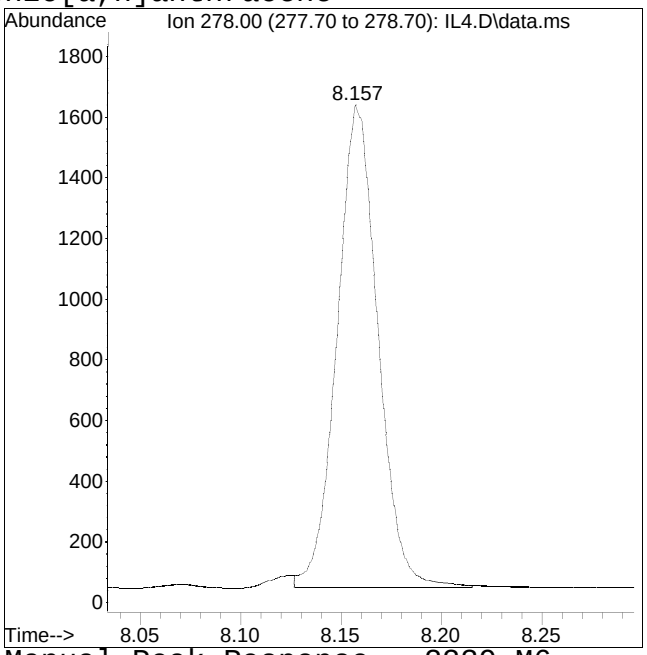
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL4.D
Date Inj'd : 11/5/2024 9:08 am
Sample : IL4,32,,10.0ng/mL lot#1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2314



Manual Peak Response = 2239 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 09:24 am
Operator : SV120:mrg
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1993471
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 05 16:50:09 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.049	152	277209	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 102.92%			
8) Naphthalene-d8	2.692	136	1070314	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 101.45%			
17) Acenaphthene-d10	3.659	164	639747	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 104.59%			
22) Phenanthrene-d10	4.492	188	1250139	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 107.24%			
31) Chrysene-d12	6.013	240	1105773	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 112.75%			
36) Perylene-d12	7.069	264	1030640	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 107.21%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.504	112	415	5.086	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.25%#			
3) Phenol-d6	1.877	99	474	4.728	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
7) Nitrobenzene-d5	2.323	82	428	4.836	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.48%#			
13) 2-Fluorobiphenyl	3.284	172	1100	5.099	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.51%#			
21) 2,4,6-Tribromophenol	4.101	330	114	4.476	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.22%#			
30) 4-Terphenyl-d14	5.406	244	1167	5.134	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.26%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.926	93	427	1.695	ng/ml	100
5) n-nitrosodi-n-propylamine	2.250	70	296	4.895	ng/ml	96
6) Hexachloroethane	2.296	117	180	4.960	ng/ml	99
9) Naphthalene	2.701	128	1375	5.139	ng/ml#	90
10) Hexachlorobutadiene	2.776	225	258	5.089	ng/ml	94
11) 2-Methylnaphthalene	3.079	142	934	5.028	ng/ml	100
12) 1-Methylnaphthalene	3.131	142	868	5.080	ng/ml	100
14) 2-Chloronaphthalene	3.345	162	937	5.082	ng/ml	100
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.576	152	1283	4.826	ng/ml	100
18) Acenaphthene	3.673	153	939M6	4.863	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 09:24 am
Operator : SV120:mrg
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1993471
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 05 16:50:09 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\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	3.963	166	1019	4.877	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.002	198	86	23.948	ng/ml	89
24) Hexachlorobenzene	4.278	284	338	5.119	ng/ml	99
25) Pentachlorophenol	4.395	266	115	10.237	ng/ml	97
26) Phenanthrene	4.504	178	1401M6	4.703	ng/ml	
27) Anthracene	4.532	178	1524	4.944	ng/ml	100
28) Fluoranthene	5.181	202	1702	4.960	ng/ml	100
29) Pyrene	5.307	202	1759	4.971	ng/ml	99
32) Benzo[a]anthracene	6.010	228	4931M6	4.974	ng/ml	
33) 3,3'-Dichlorobenzene	0.000		0	N.D.	d	
34) Chrysene	6.025	228	1377M3	4.704	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.047	149	1061	5.422	ng/ml	99
37) Benzo[b]fluoranthene	6.734	252	1525	4.876	ng/ml	100
38) Benzo[k]fluoranthene	6.755	252	1338	4.759	ng/ml	100
39) Benzo[a]pyrene	7.002	252	1177	4.595	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.119	276	1218	4.650	ng/ml	99
41) Dibenzo[a,h]anthracene	8.155	278	1151M6	4.678	ng/ml	
42) Benzo[g,h,i]perylene	8.418	276	1212	4.764	ng/ml	100

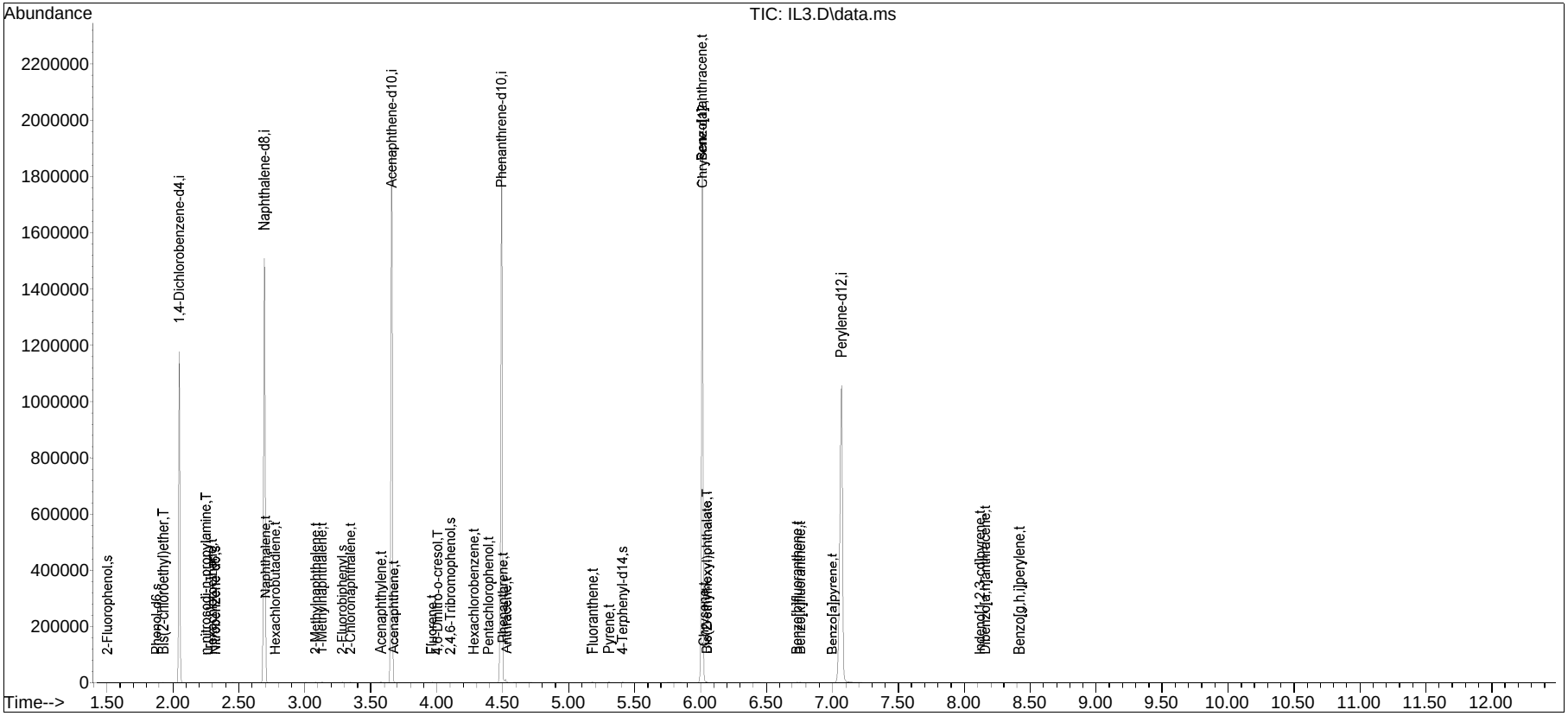
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 09:24 am
Operator : SV120:mrg
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1993471
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 05 16:50:09 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

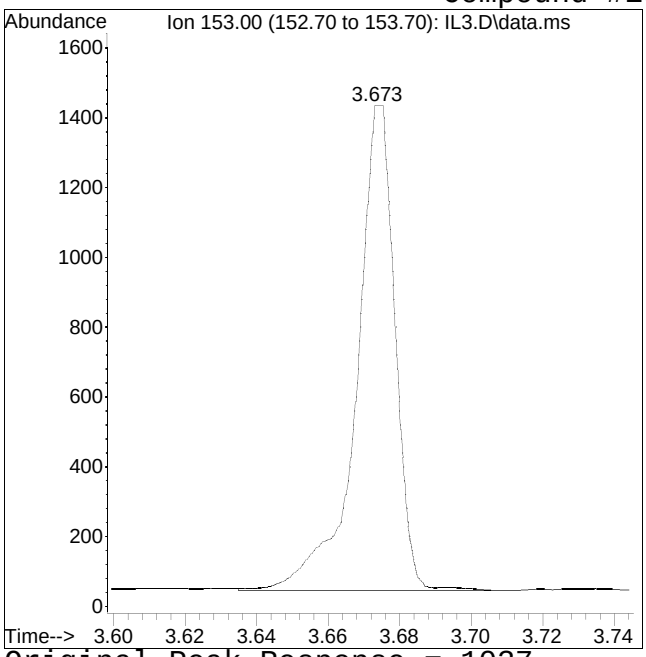
Sub List : Default - All compounds listedical\IL8.D•



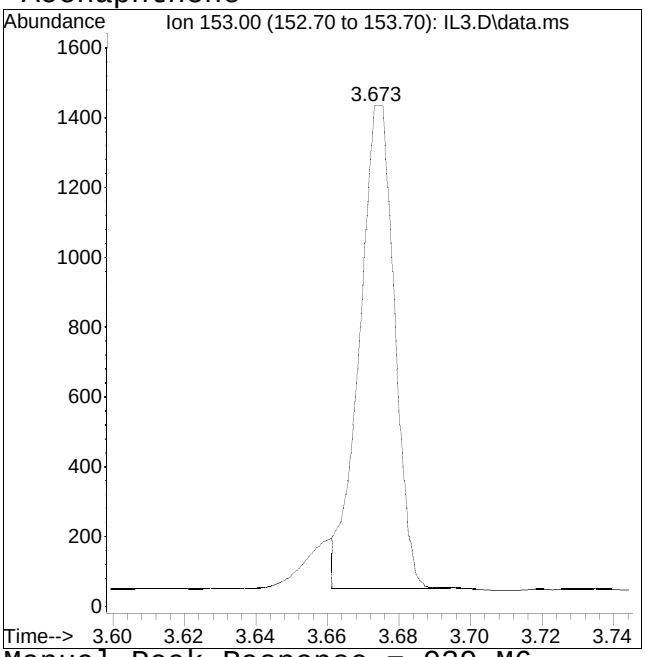
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 11/5/2024 4:51 pm

Compound #18: Acenaphthene



Original Peak Response = 1037



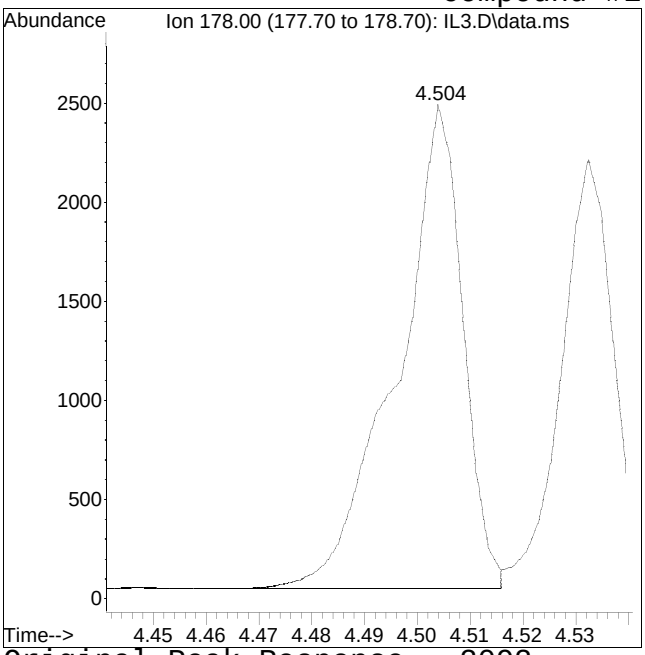
Manual Peak Response = 939 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

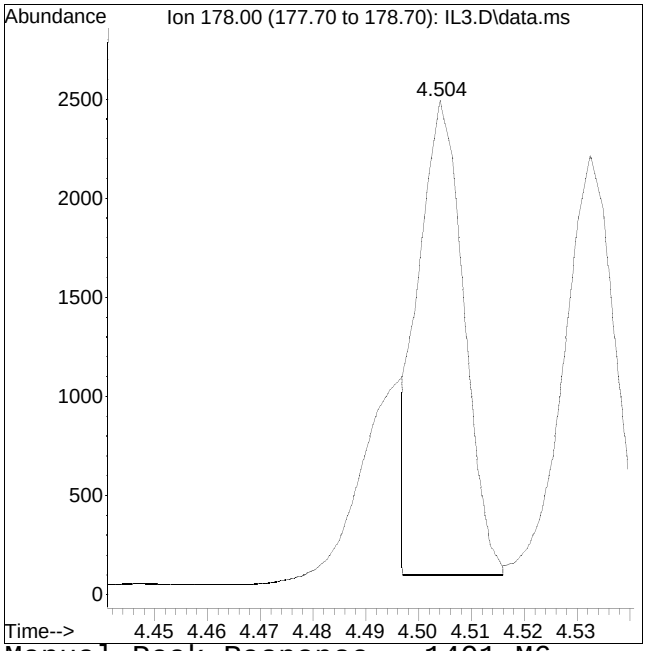
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL3.D
Date Inj'd : 11/5/2024 9:24 am
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #26: Phenanthrene



Original Peak Response = 2092



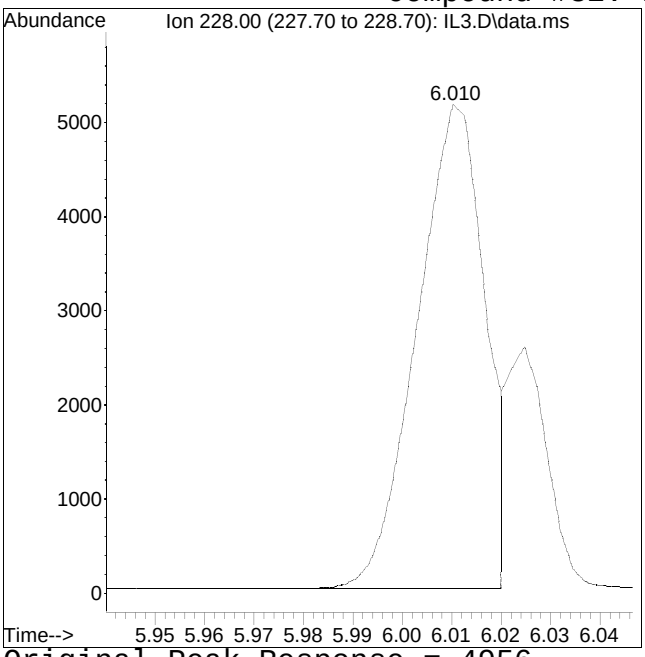
Manual Peak Response = 1401 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

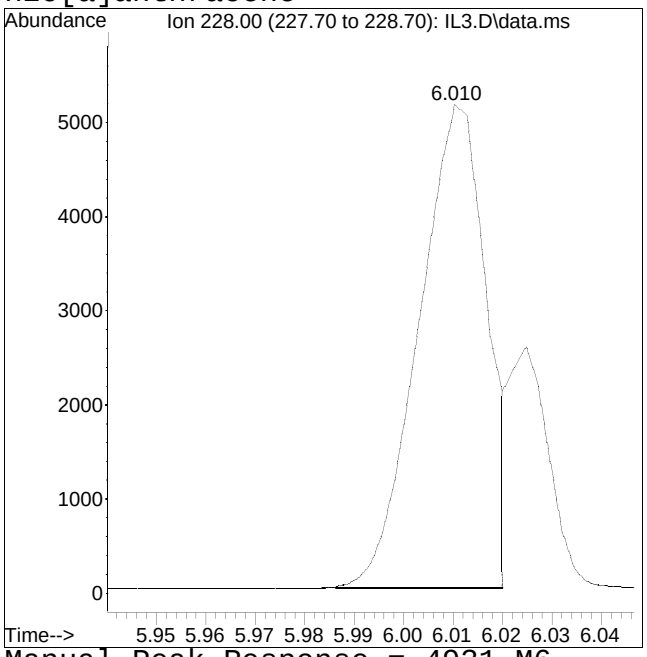
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL3.D
Date Inj'd : 11/5/2024 9:24 am
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 4956



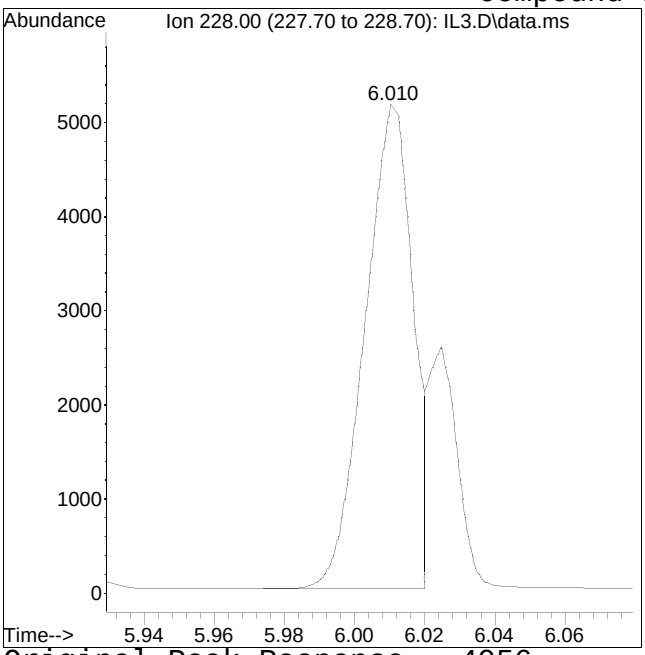
Manual Peak Response = 4931 M6

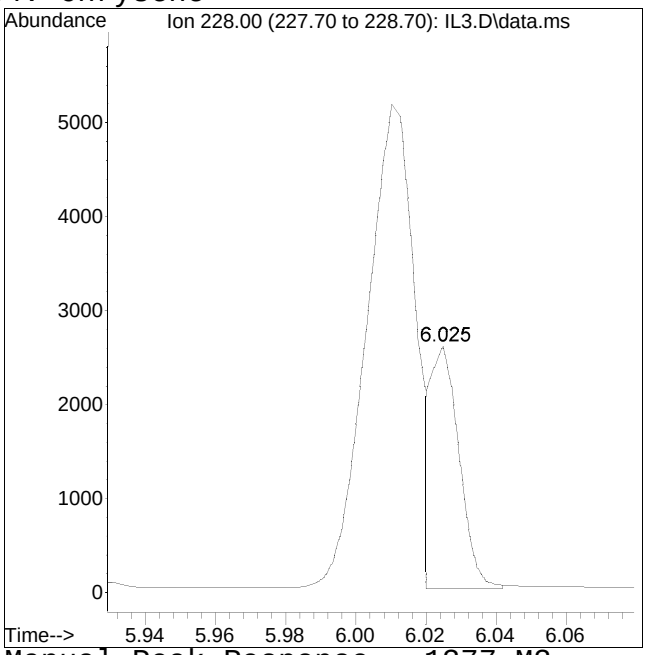
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL3.D
Date Inj'd : 11/5/2024 9:24 am
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #34: Chrysene





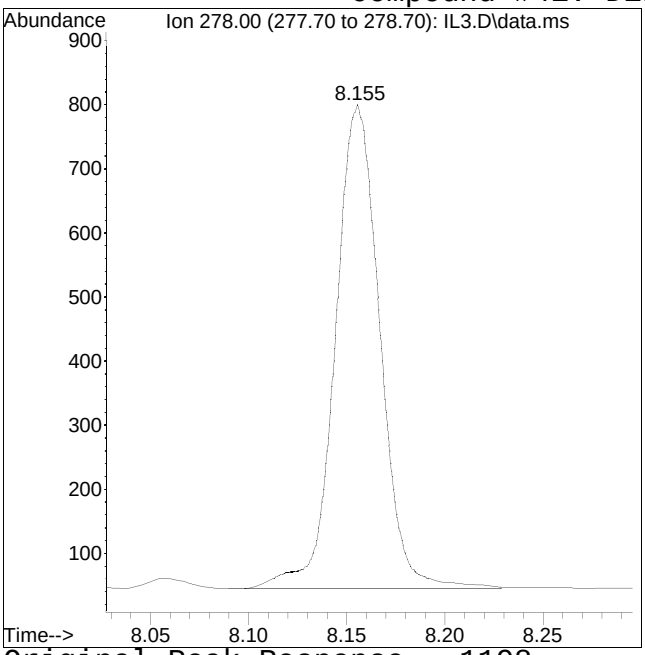
Original Peak Response = 4956 Manual Peak Response = 1377 M3

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.

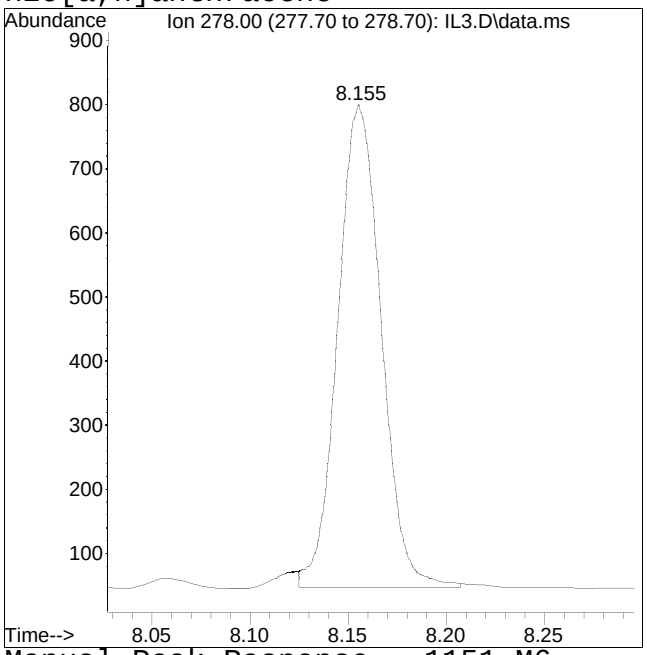
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL3.D
Date Inj'd : 11/5/2024 9:24 am
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1198



Manual Peak Response = 1151 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 09:41 am
Operator : SV120:mrg
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1993471
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 05 16:50:05 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.050	152	300806	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 111.68%			
8) Naphthalene-d8	2.692	136	1162521	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 110.19%			
17) Acenaphthene-d10	3.657	164	694331	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 113.51%			
22) Phenanthrene-d10	4.494	188	1365605	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 117.14%			
31) Chrysene-d12	6.017	240	1182613	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 120.58%			
36) Perylene-d12	7.074	264	1106733	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 115.13%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.506	112	191	2.157	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
3) Phenol-d6	1.877	99	222	2.041	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
7) Nitrobenzene-d5	2.323	82	187	1.947	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.19%#			
13) 2-Fluorobiphenyl	3.284	172	509	2.172	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.22%#			
21) 2,4,6-Tribromophenol	4.099	330	52M4	1.881	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.09%#			
30) 4-Terphenyl-d14	5.409	244	545	2.195	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.920	93	504	2.125	ng/ml#	44
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	2.296	117	92	2.336	ng/ml	96
9) Naphthalene	2.702	128	671	2.309	ng/ml#	79
10) Hexachlorobutadiene	2.776	225	119	2.161	ng/ml	91
11) 2-Methylnaphthalene	3.080	142	431	2.136	ng/ml	99
12) 1-Methylnaphthalene	3.132	142	397	2.139	ng/ml	100
14) 2-Chloronaphthalene	3.345	162	436	2.177	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.576	152	610	2.113	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 09:41 am
Operator : SV120:mrg
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1993471
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 05 16:50:05 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.673	153	454M6	2.166	ng/ml	
19) 2,4-Dinitrotoluene	0.000		0	N.D. d		
20) Fluorene	3.961	166	487M6	2.148	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.278	284	160	2.218	ng/ml	94
25) Pentachlorophenol	0.000		0	N.D. d		
26) Phenanthrene	4.506	178	635M6	1.951	ng/ml	
27) Anthracene	4.532	178	690M6	2.049	ng/ml	
28) Fluoranthene	5.180	202	814	2.172	ng/ml#	94
29) Pyrene	5.306	202	839	2.171	ng/ml	99
32) Benzo[a]anthracene	6.014	228	4239M6	2.098	ng/ml	
33) 3,3'-Dichlorobenzene	0.000		0	N.D. d		
34) Chrysene	6.024	228	584M3	1.865	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.048	149	922	4.406	ng/ml	98
37) Benzo[b]fluoranthene	6.739	252	719	2.141	ng/ml	99
38) Benzo[k]fluoranthene	6.760	252	584	1.934	ng/ml	99
39) Benzo[a]pyrene	7.007	252	542	1.970	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.127	276	555	1.973	ng/ml	97
41) Dibenzo[a,h]anthracene	8.160	278	526M6	1.991	ng/ml	
42) Benzo[g,h,i]perylene	8.422	276	551	2.017	ng/ml	99

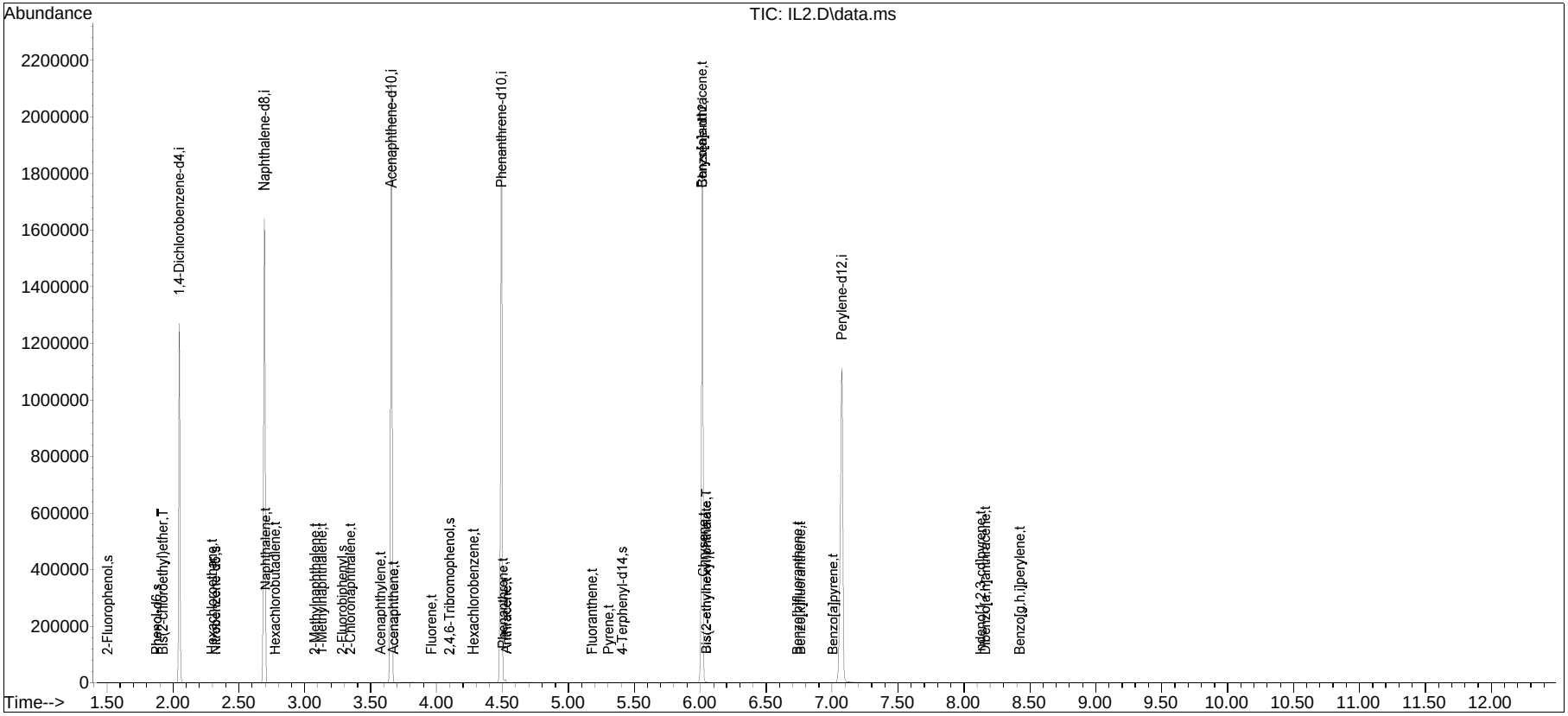
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 09:41 am
Operator : SV120:mrg
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1993471
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 05 16:50:05 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

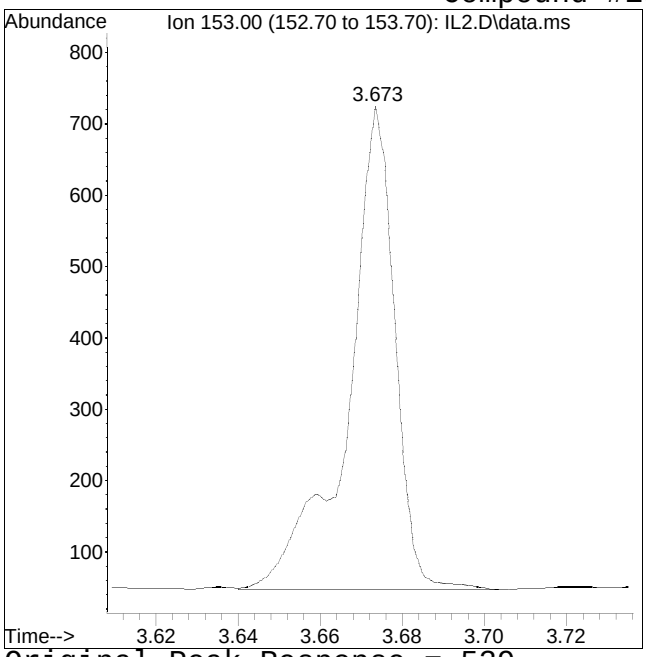
Sub List : Default - All compounds listedical\IL8.D•



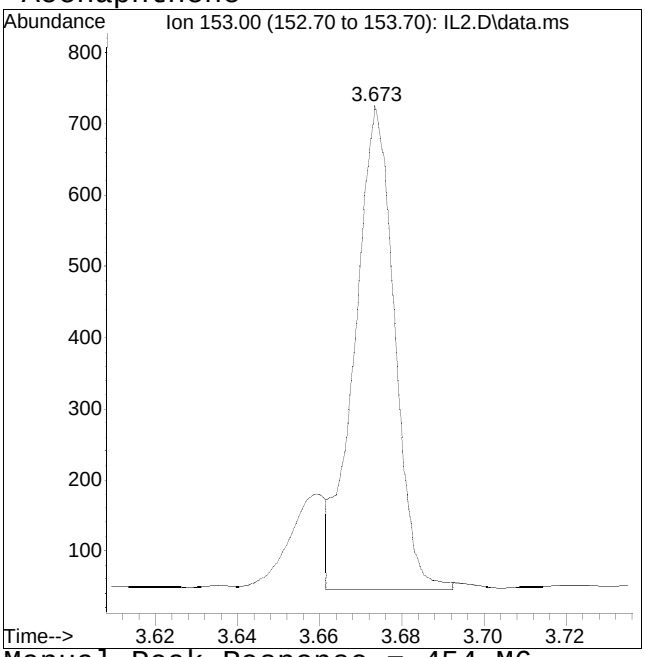
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 11/5/2024 4:51 pm

Compound #18: Acenaphthene



Original Peak Response = 539



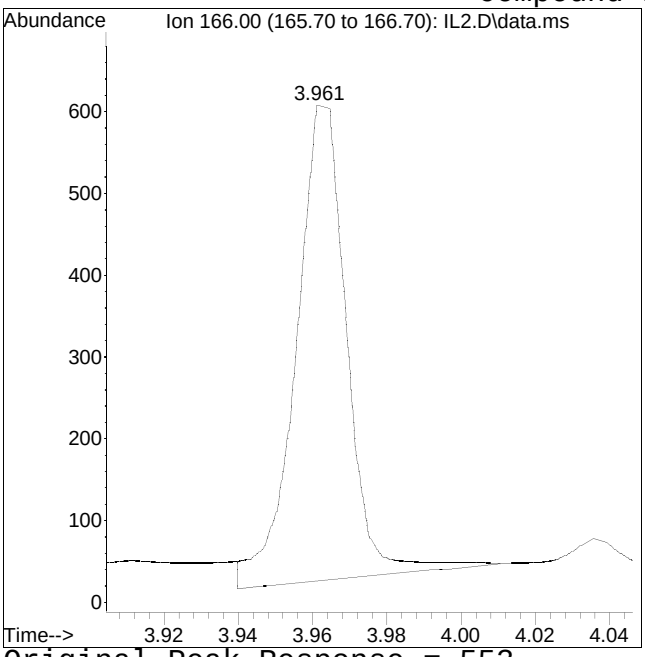
Manual Peak Response = 454 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

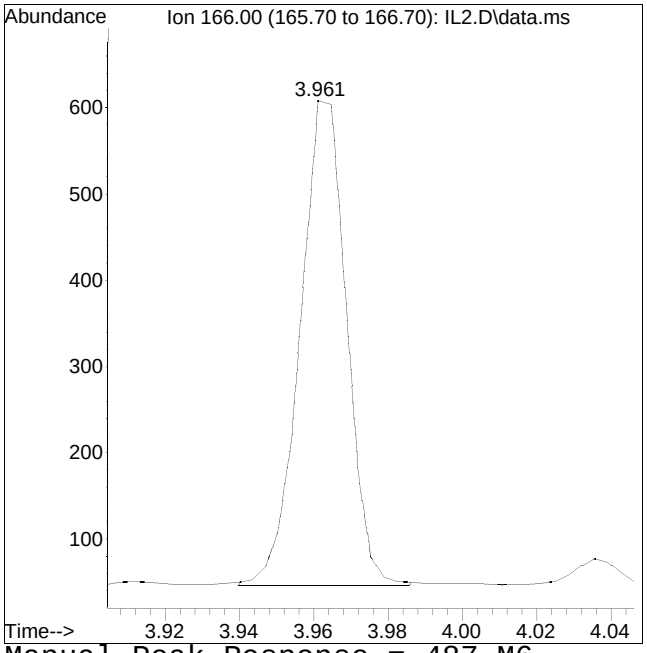
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL2.D
Date Inj'd : 11/5/2024 9:41 am
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #20: Fluorene



Original Peak Response = 553



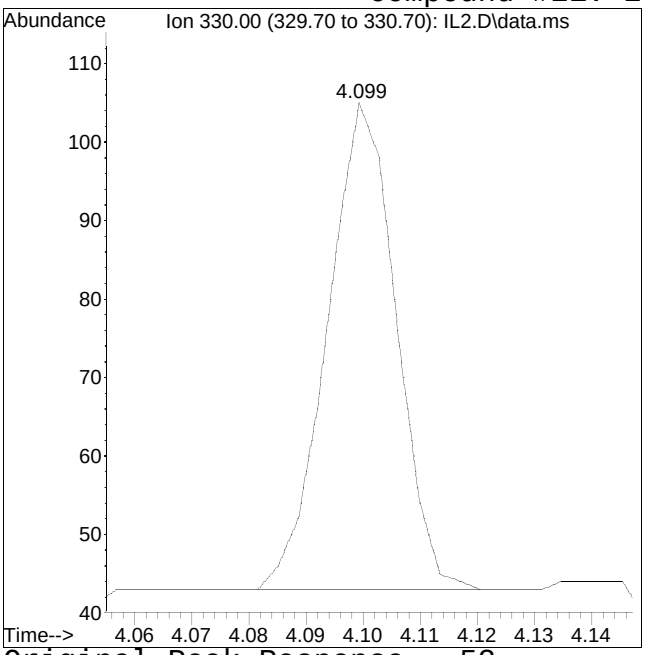
Manual Peak Response = 487 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

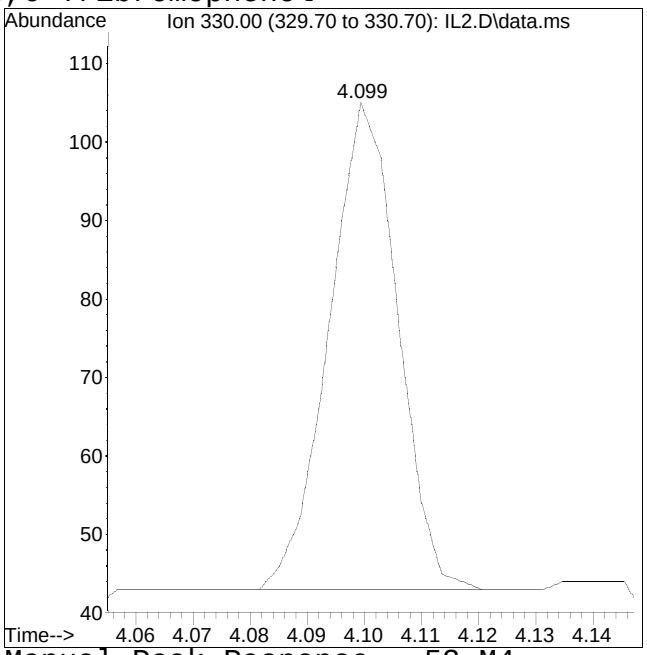
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 11/5/2024 4:51 pm

Compound #21: 2,4,6-Tribromophenol



Original Peak Response = 52



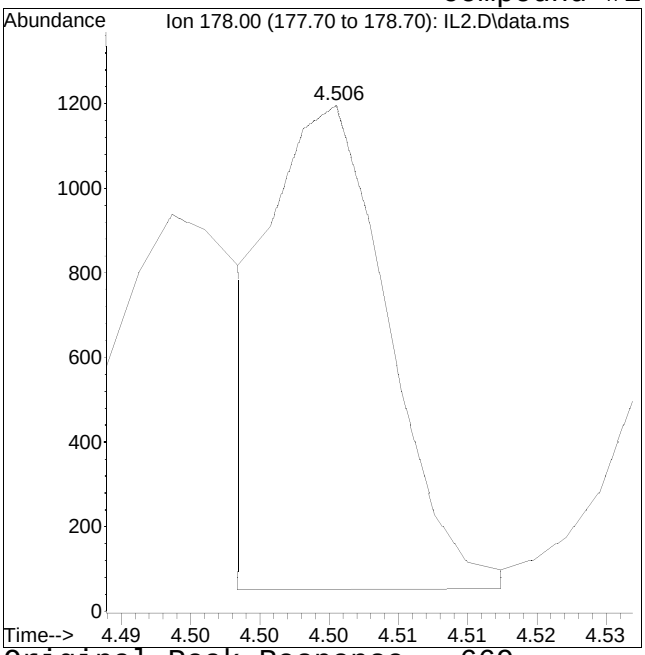
Manual Peak Response = 52 M4

M4 = Poor automated baseline construction.

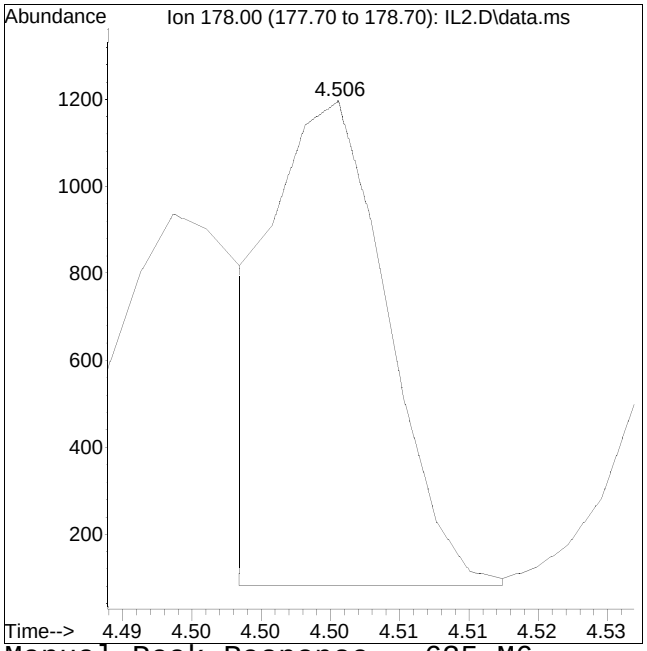
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL2.D
Date Inj'd : 11/5/2024 9:41 am
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #26: Phenanthrene



Original Peak Response = 669



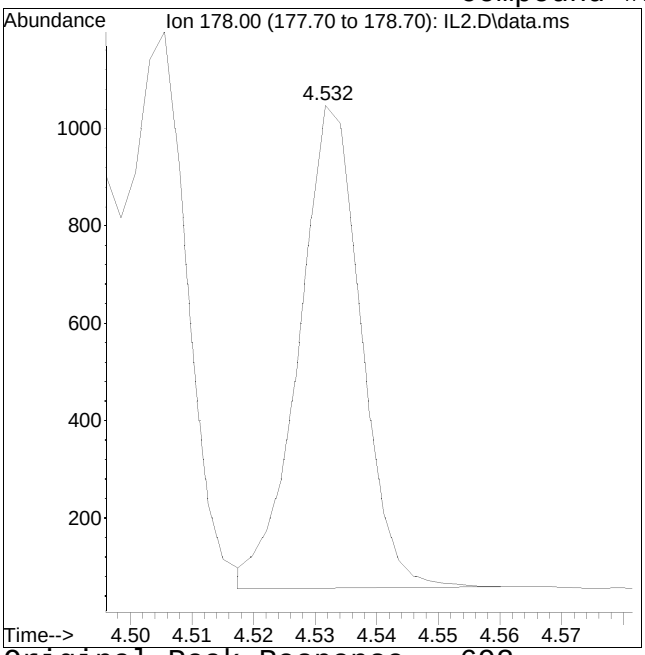
Manual Peak Response = 635 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

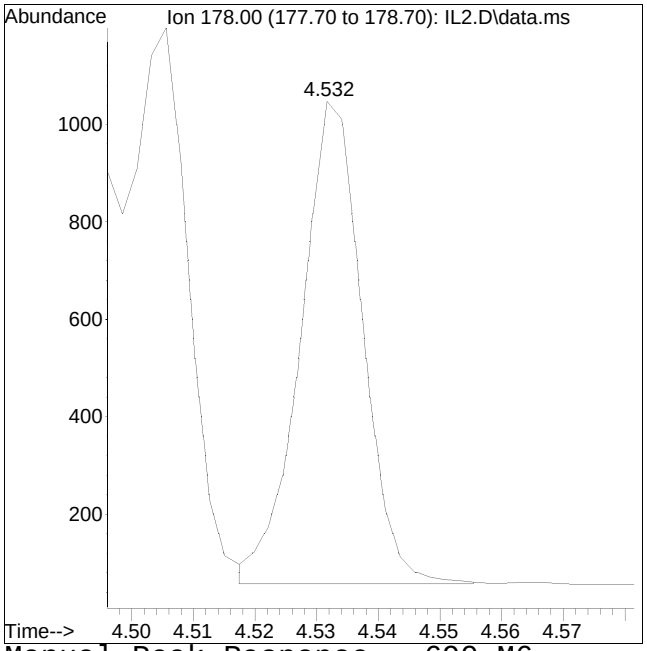
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL2.D
Date Inj'd : 11/5/2024 9:41 am
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #27: Anthracene



Original Peak Response = 692



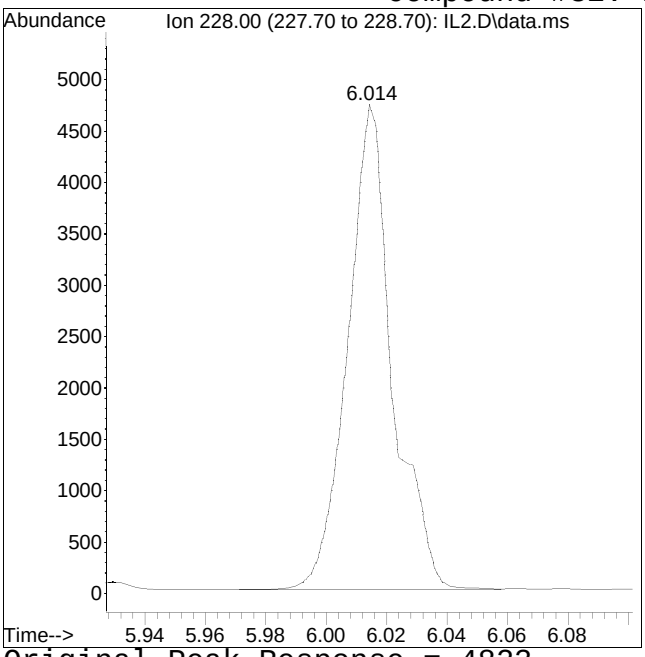
Manual Peak Response = 690 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

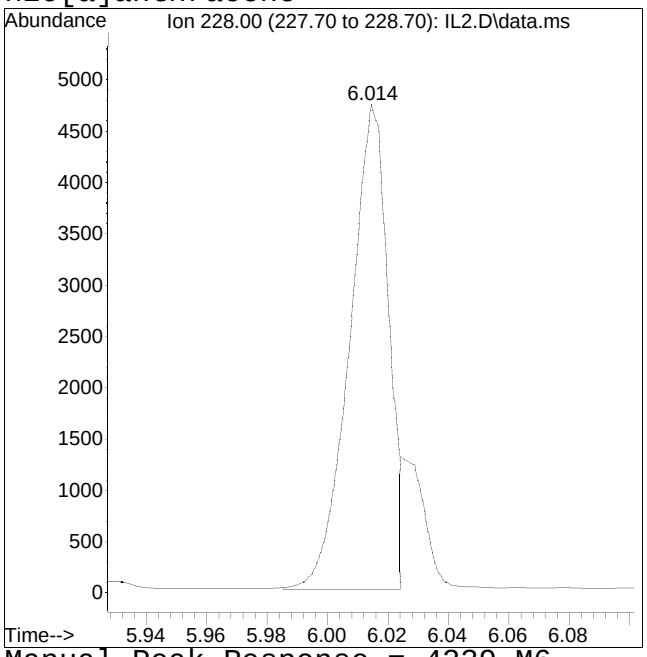
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL2.D
Date Inj'd : 11/5/2024 9:41 am
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 4823



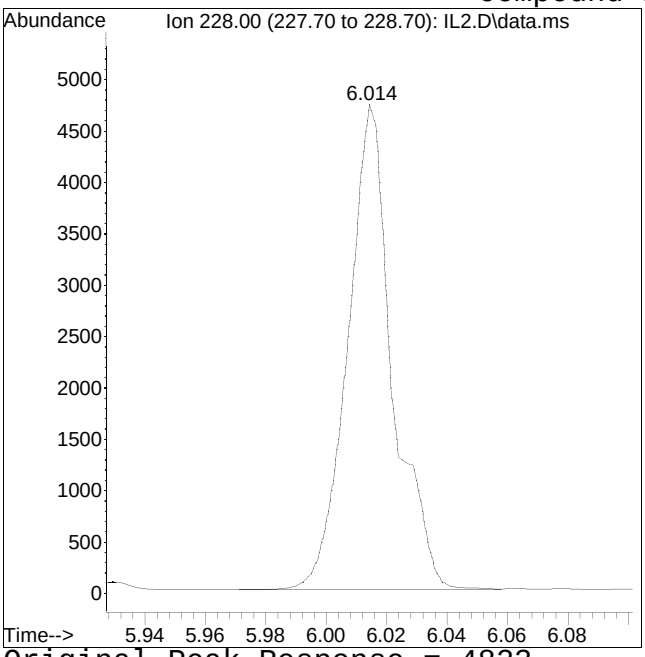
Manual Peak Response = 4239 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

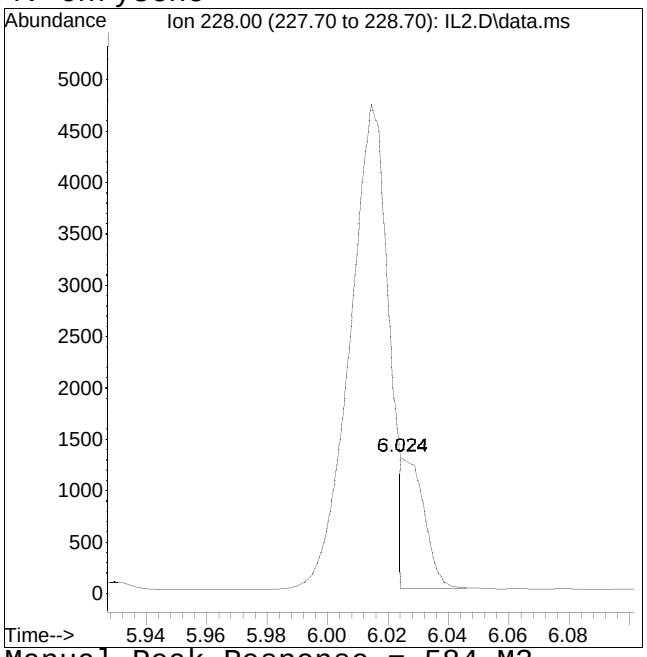
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL2.D
Date Inj'd : 11/5/2024 9:41 am
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:51 pm

Compound #34: Chrysene



Original Peak Response = 4823



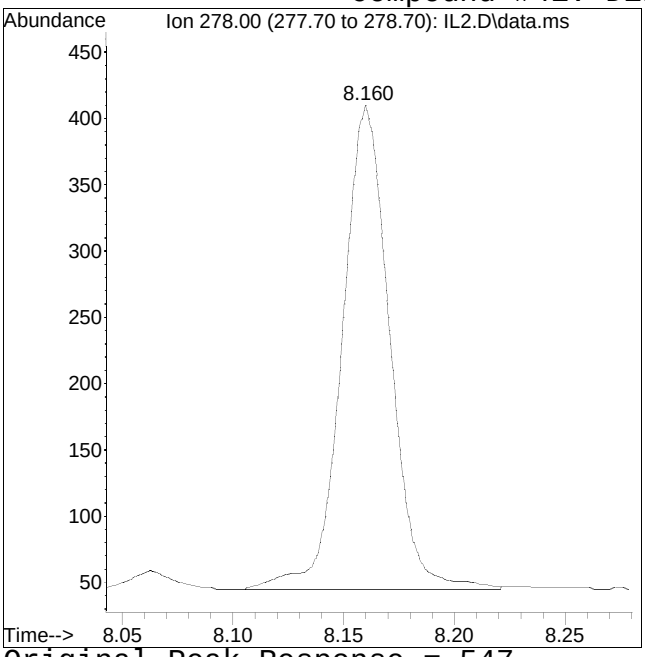
Manual Peak Response = 584 M3

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.

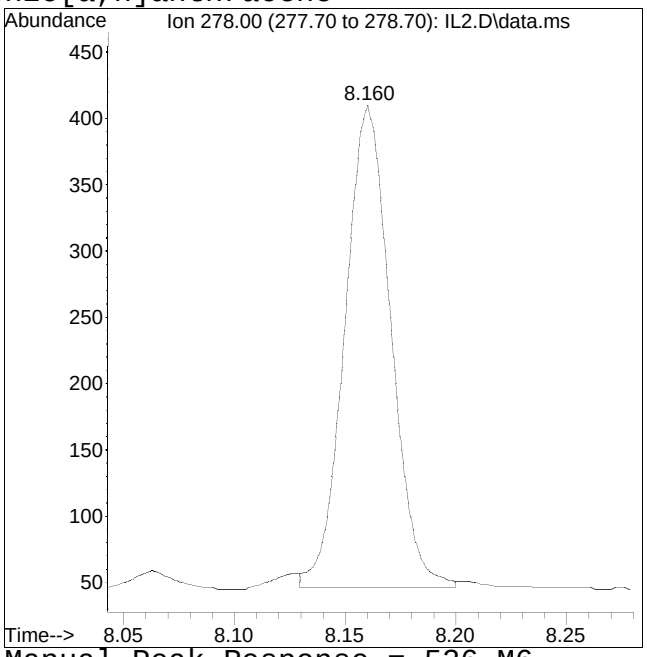
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 11/5/2024 4:51 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 547



Manual Peak Response = 526 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 09:57 am
Operator : SV120:mrg
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1993471
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 16:49:54 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.049	152	284403	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 105.59%			
8) Naphthalene-d8	2.692	136	1105345	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 104.77%			
17) Acenaphthene-d10	3.657	164	659084	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 107.75%			
22) Phenanthrene-d10	4.493	188	1299114	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 111.44%			
31) Chrysene-d12	6.013	240	1133436	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 115.57%			
36) Perylene-d12	7.071	264	1038005	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 107.98%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.506	112	84	1.003	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
3) Phenol-d6	1.877	99	101	0.982	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
7) Nitrobenzene-d5	2.323	82	92	1.013	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.10%#			
13) 2-Fluorobiphenyl	3.284	172	247	1.109	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	5.405	244	295M4	1.249	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.06%#			
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.		
9) Naphthalene	0.000		0	N.D. d		
10) Hexachlorobutadiene	0.000		0	N.D. d		
11) 2-Methylnaphthalene	3.080	142	205	1.069	ng/ml	100
12) 1-Methylnaphthalene	3.131	142	185	1.048	ng/ml	98
14) 2-Chloronaphthalene	3.345	162	204	1.071	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.576	152	279	1.016	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 09:57 am
Operator : SV120:mrg
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1993471
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 16:49:54 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.673	153	222M4	1.116	ng/ml	
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	3.963	166	231	1.073	ng/ml	99
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	4.503	178	259M3	0.837	ng/ml	
27) Anthracene	4.531	178	334	1.043	ng/ml	99
28) Fluoranthene	5.179	202	409	1.147	ng/ml#	90
29) Pyrene	5.306	202	416	1.131	ng/ml	99
32) Benzo[a]anthracene	6.013	228	3666M1	0.947	ng/ml	
33) 3,3'-Dichlorobenzene	0.000		0	N.D.	d	
34) Chrysene	6.025	228	194M4	0.647	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.046	149	964	4.806	ng/ml	99
37) Benzo[b]fluoranthene	6.739	252	325	1.032	ng/ml	100
38) Benzo[k]fluoranthene	6.760	252	291	1.028	ng/ml	99
39) Benzo[a]pyrene	7.004	252	252	0.977	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.123	276	256	0.970	ng/ml	99
41) Dibenzo[a,h]anthracene	8.157	278	243M6	0.981	ng/ml	
42) Benzo[g,h,i]perylene	8.419	276	259	1.011	ng/ml	97

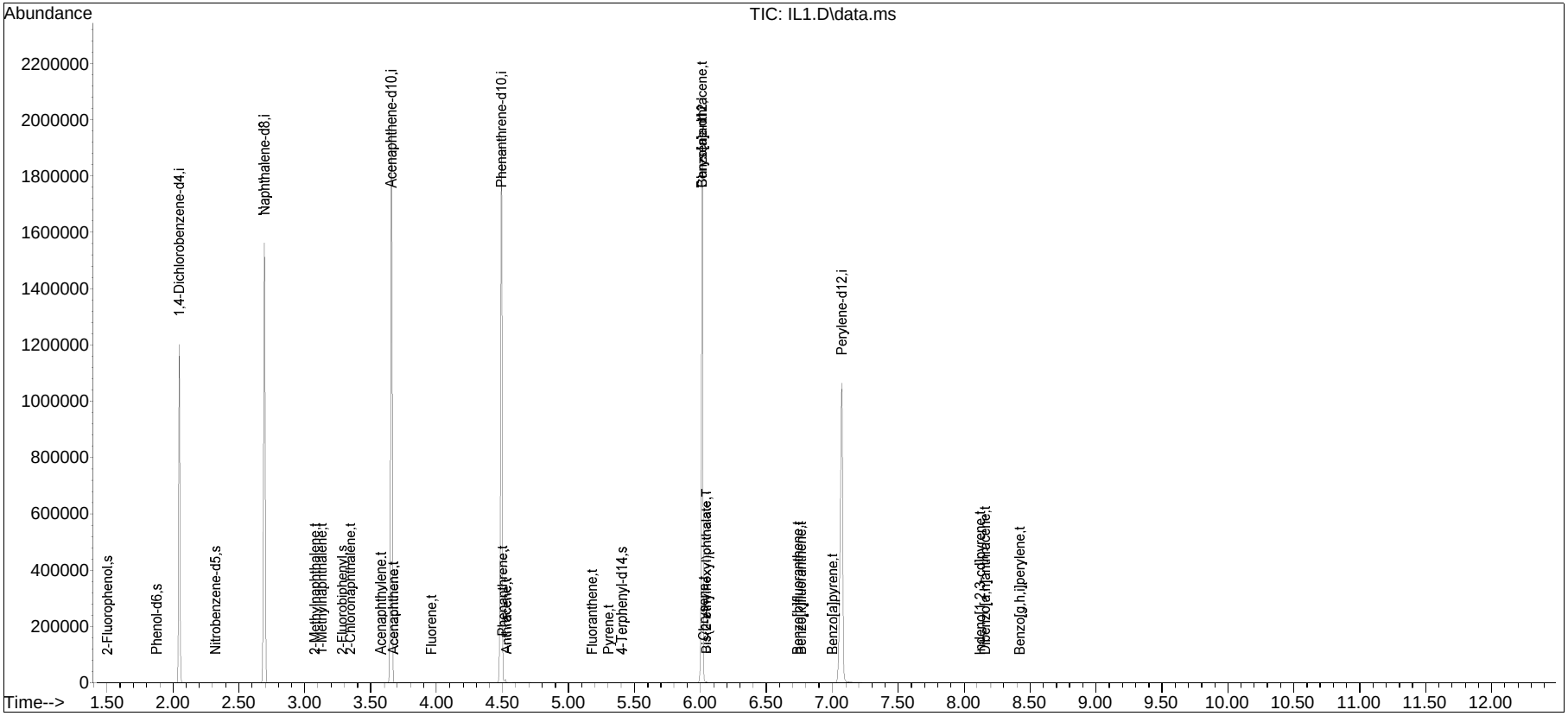
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 09:57 am
Operator : SV120:mrg
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1993471
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 05 16:49:54 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:50:36 2024
Response via : Initial Calibration

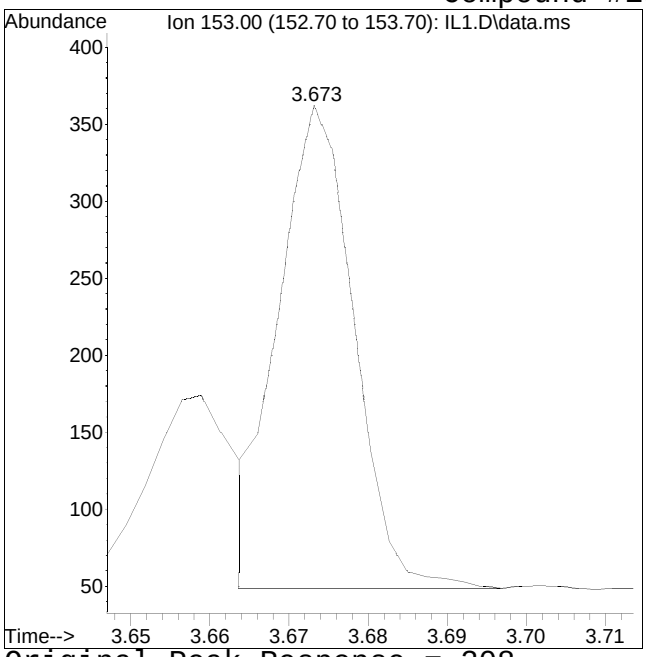
Sub List : Default - All compounds listedical\IL8.D•



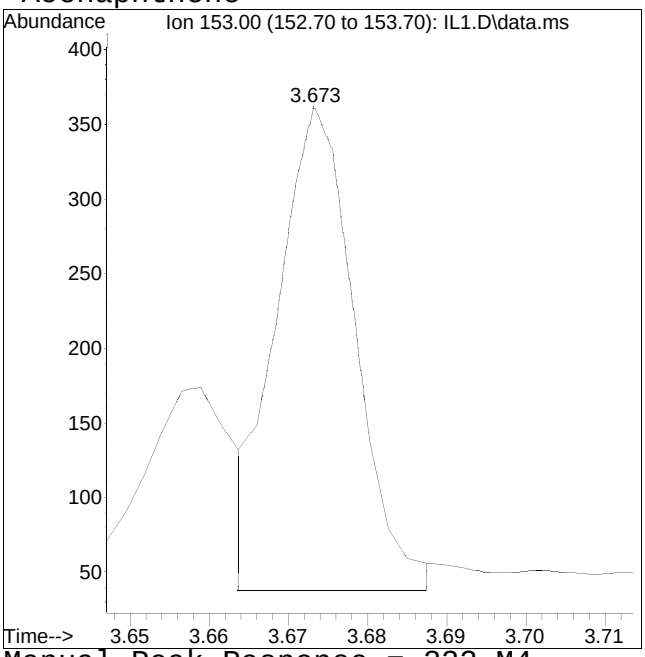
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 11/5/2024 4:50 pm

Compound #18: Acenaphthene



Original Peak Response = 208



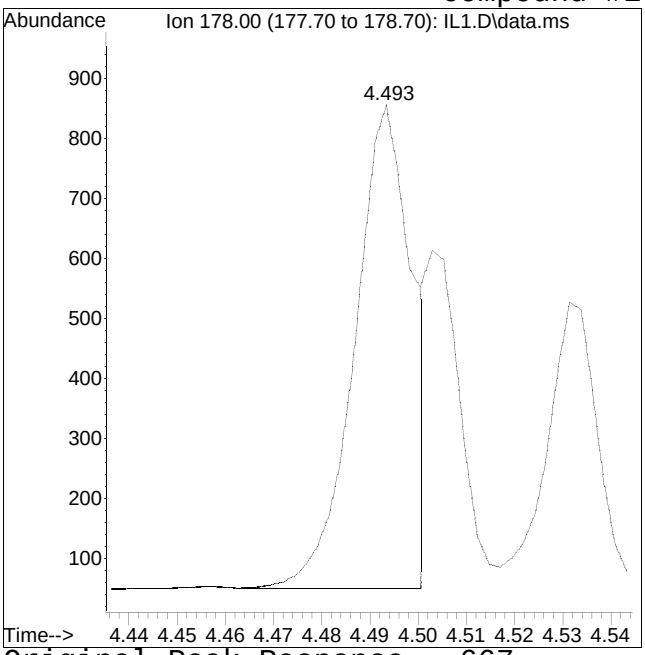
Manual Peak Response = 222 M4

M4 = Poor automated baseline construction.

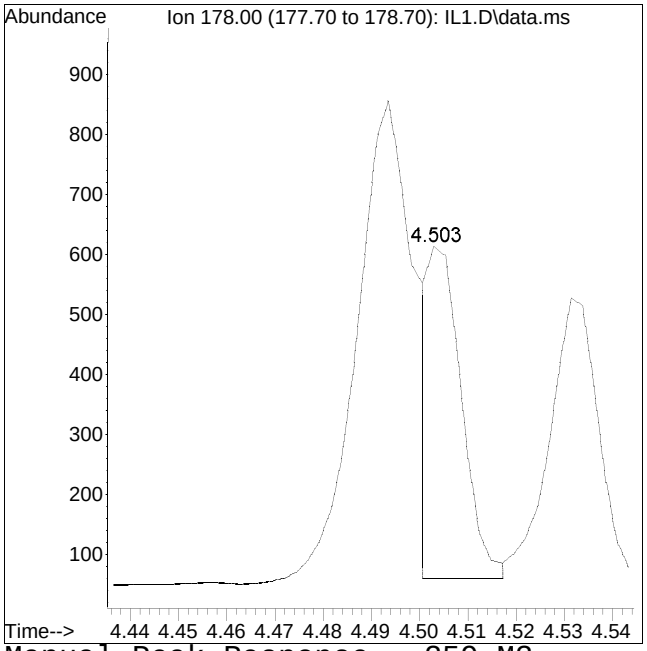
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 11/5/2024 4:50 pm

Compound #26: Phenanthrene



Original Peak Response = 667



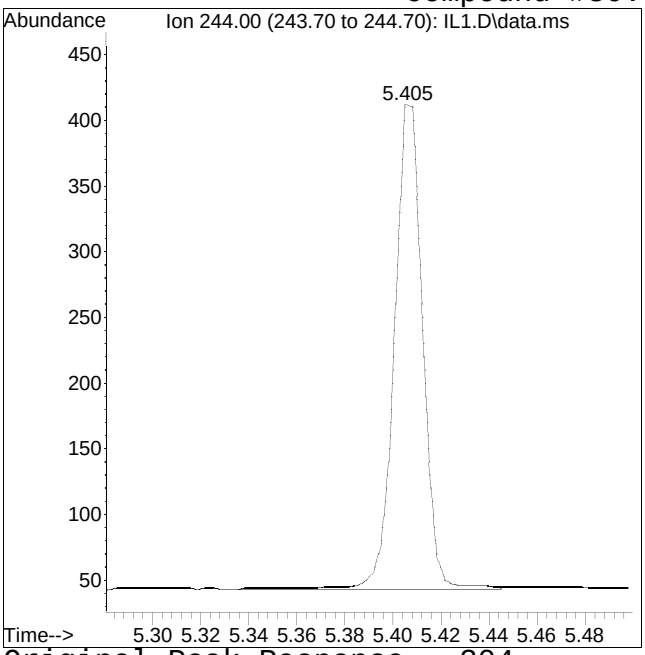
Manual Peak Response = 259 M3

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.

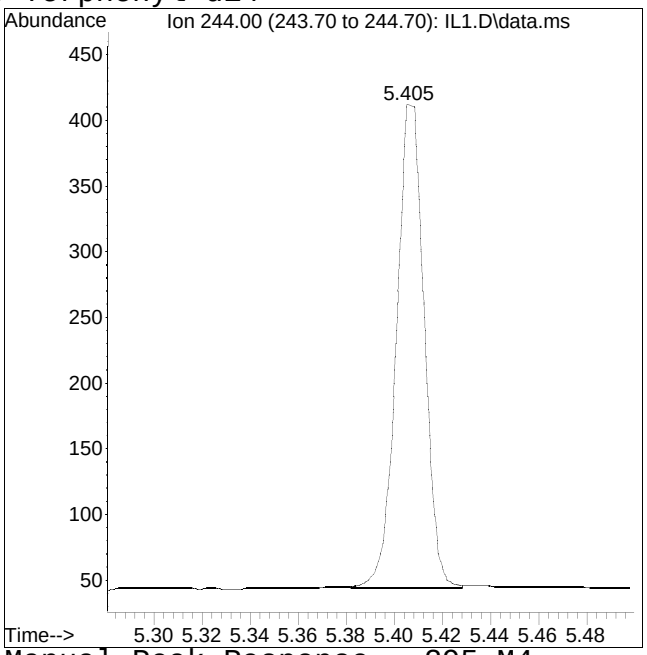
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL1.D
Date Inj'd : 11/5/2024 9:57 am
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:50 pm

Compound #30: 4-Terphenyl-d14



Original Peak Response = 304



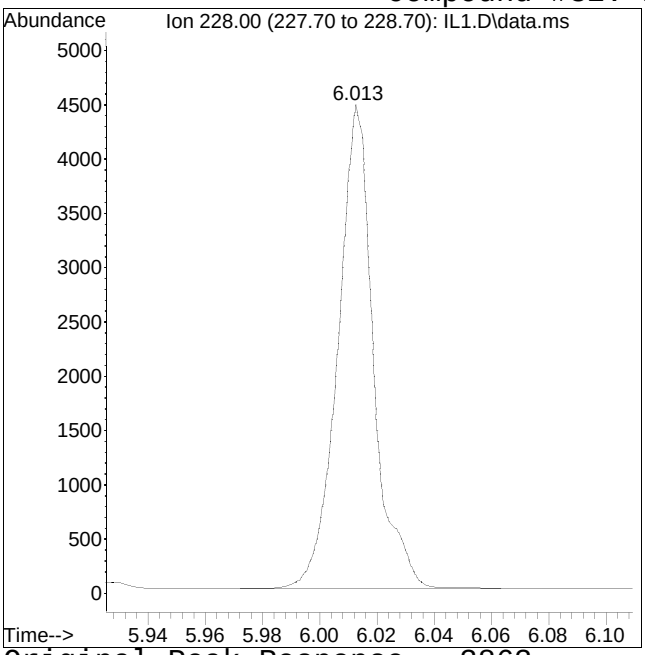
Manual Peak Response = 295 M4

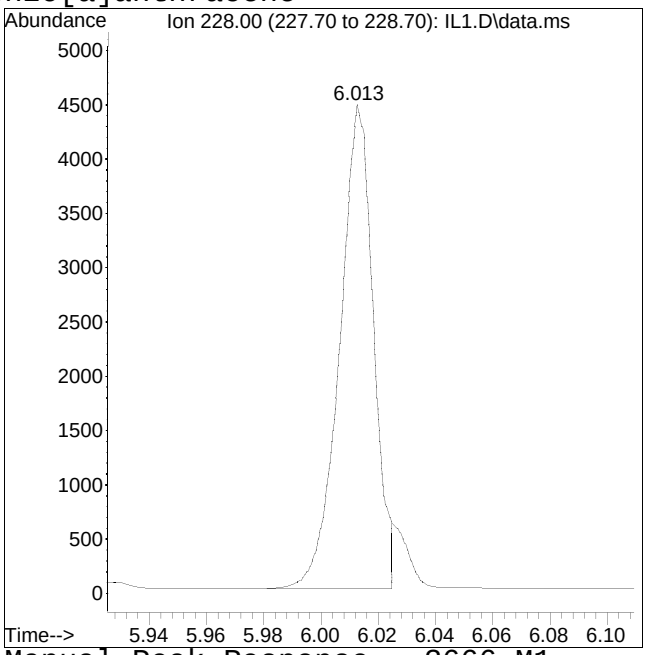
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL1.D
Date Inj'd : 11/5/2024 9:57 am
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:50 pm

Compound #32: Benzo[a]anthracene





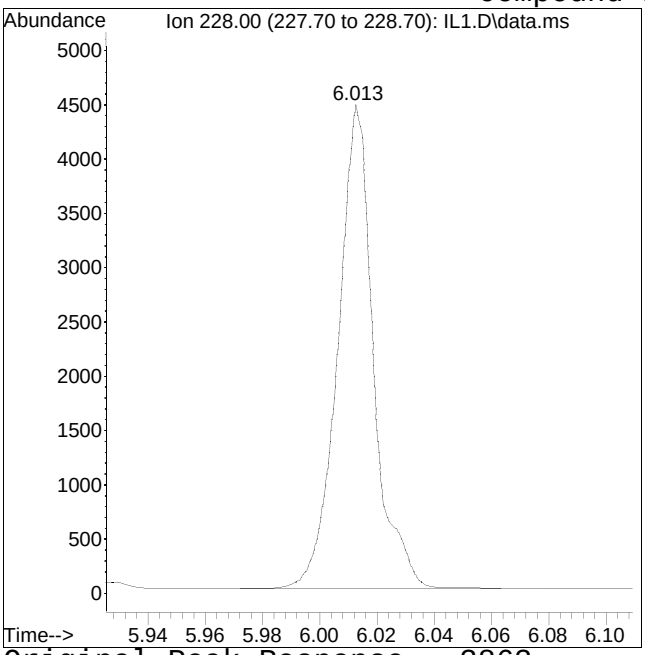
Original Peak Response = 3863 Manual Peak Response = 3666 M1

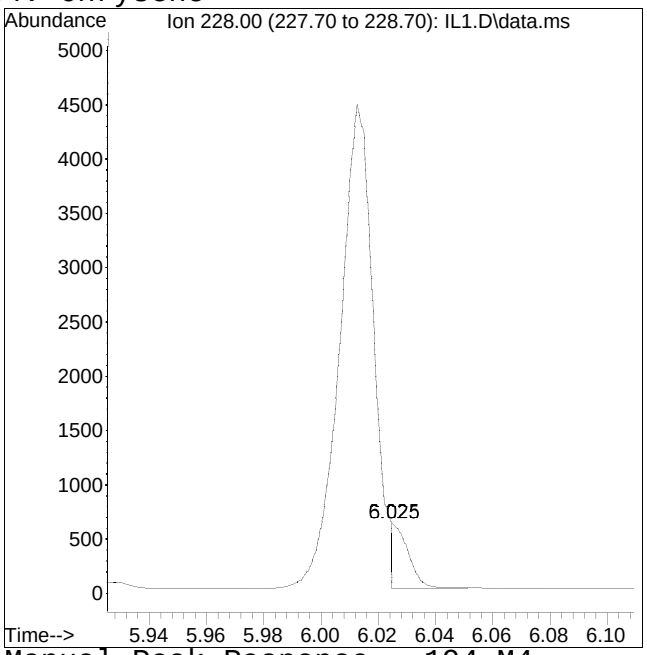
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : IL1.D
Date Inj'd : 11/5/2024 9:57 am
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 4:50 pm

Compound #34: Chrysene



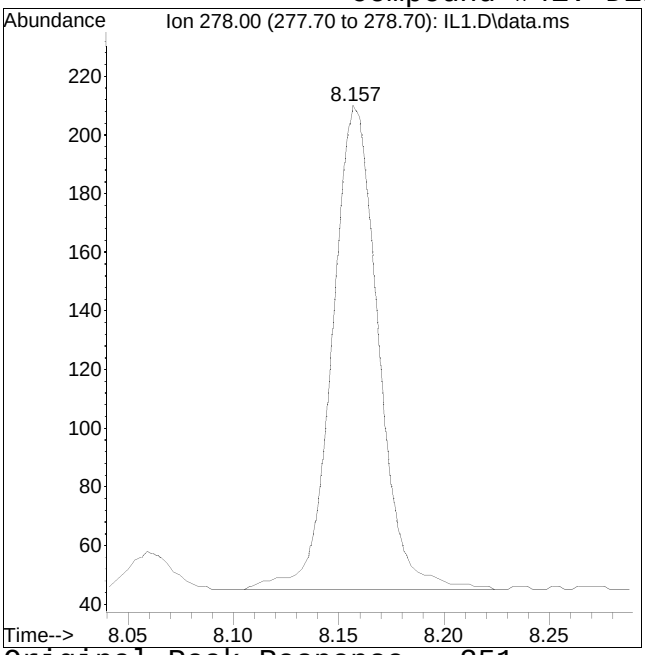


Original Peak Response = 3863 Manual Peak Response = 194 M4
M4 = Poor automated baseline construction.

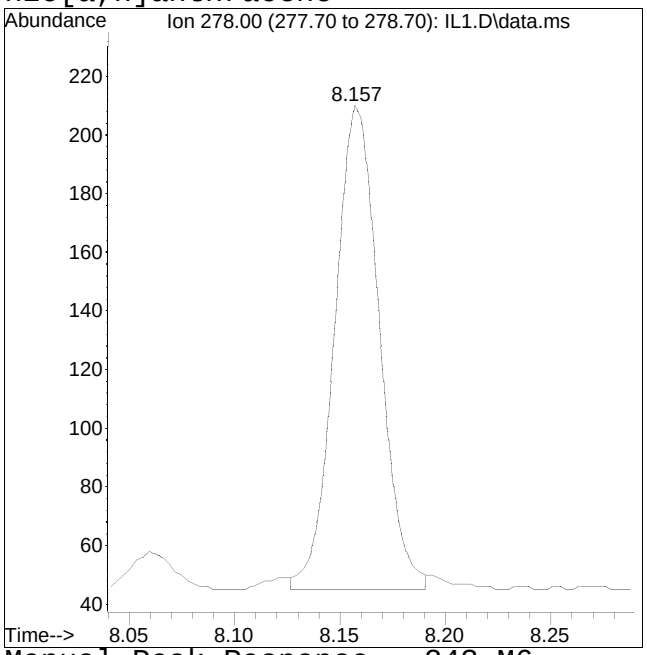
Manual Integration Report

Data Path : I:\8270SIM\sv120\241105RVTQMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 11/5/2024 4:50 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 251



Manual Peak Response = 243 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 13:28:38 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 13:29:37 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	77	0.00
2	s	2-Fluorophenol	1.177	1.153	2.0	76	-0.01
3	s	Phenol-d6	1.447	1.394	3.7	74	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	910.101	9.0	73	0.00
5	T	n-nitrosodi-n-propylamine	0.873	0.801	8.2	71	0.00
6	t	Hexachloroethane	0.524	0.487	7.1	72	0.00
7	s	Nitrobenzene-d5	1.277	1.200	6.0	72	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	76	0.00
9	t	Naphthalene	1.000	0.900	10.0	73	0.00
10	t	Hexachlorobutadiene	0.189	0.174	7.9	73	0.00
11	t	2-Methylnaphthalene	0.694	0.649	6.5	74	0.00
12	t	1-Methylnaphthalene	0.639	0.592	7.4	74	0.00
13	s	2-Fluorobiphenyl	0.806	0.732	9.2	75	0.00
14	t	2-Chloronaphthalene	0.689	0.618	10.3	73	0.00
15	t	2,6-Dinitrotoluene	0.156	0.143	8.3	72	0.00
16	t	Acenaphthylene	0.994	0.944	5.0	74	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	78	0.00
18	t	Acenaphthene	1.207	1.087	9.9	74	0.00
19	t	2,4-Dinitrotoluene	0.336	0.330	1.8	73	0.00
20	t	Fluorene	1.306	1.199	8.2	74	0.00
21	s	2,4,6-Tribromophenol	0.159	0.169	-6.3	79	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	81	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	800.193	20.0	69	0.00
24	t	Hexachlorobenzene	0.211	0.190	10.0	76	0.00
25	t	Pentachlorophenol	*1000.000	941.664	5.8	78	0.00
26	t	Phenanthrene	0.953	0.914	4.1	77	0.00
27	t	Anthracene	0.986	0.930	5.7	77	0.00
28	t	Fluoranthene	1.098	1.040	5.3	81	0.00
29	t	Pyrene	1.132	1.102	2.7	83	0.00
30	s	4-Terphenyl-d14	0.727	0.708	2.6	83	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	89	0.00
32	t	Benzo[a]anthracene	*1000.000	931.397	6.9	85	0.00
33	t	3,3'-Dichlorobenzene	0.432	0.452	-4.6	91	0.00
34	t	Chrysene	1.059	1.093	-3.2	86	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.708	0.678	4.2	84	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 13:28:38 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 13:29:37 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	94	0.00
37	t	Benzo[b]fluoranthene	1.214	1.125	7.3	91	0.00
38	t	Benzo[k]fluoranthene	1.091	1.042	4.5	87	0.00
39	t	Benzo[a]pyrene	0.994	0.982	1.2	91	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.017	0.997	2.0	91	0.00
41	t	Dibenzo[a,h]anthracene	0.955	0.944	1.2	93	0.00
42	t	Benzo[g,h,i]perylene	0.987	0.959	2.8	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:\8270SIM\sv120\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 13:28:38 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 13:29:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.047	152	206472	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 76.66%			
8) Naphthalene-d8	2.691	136	804844	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 76.29%			
17) Acenaphthene-d10	3.658	164	476077	4000.000	ng/ml	0.00
Standard Area 1 = 611671			Recovery = 77.83%			
22) Phenanthrene-d10	4.494	188	943391	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 80.92%			
31) Chrysene-d12	6.016	240	876754	4000.000	ng/ml	0.00
Standard Area 1 = 980748			Recovery = 89.40%			
36) Perylene-d12	7.073	264	908325	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 94.49%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.491	112	59529	979.506	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.98%			
3) Phenol-d6	1.873	99	71980	963.903	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.20%			
7) Nitrobenzene-d5	2.319	82	61943	939.610	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.96%			
13) 2-Fluorobiphenyl	3.284	172	147269	907.830	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.78%			
21) 2,4,6-Tribromophenol	4.099	330	20136	1062.488	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.12%			
30) 4-Terphenyl-d14	5.407	244	167094	974.085	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 48.70%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.922	93	57941	910.101	ng/ml	99
5) n-nitrosodi-n-propylamine	2.246	70	41367	918.502	ng/ml	100
6) Hexachloroethane	2.293	117	25118	929.244	ng/ml	100
9) Naphthalene	2.701	128	181157	900.410	ng/ml	100
10) Hexachlorobutadiene	2.775	225	35082	920.241	ng/ml	100
11) 2-Methylnaphthalene	3.079	142	130487	934.188	ng/ml	100
12) 1-Methylnaphthalene	3.131	142	119040	926.544	ng/ml	100
14) 2-Chloronaphthalene	3.345	162	124383	897.047	ng/ml	100
15) 2,6-Dinitrotoluene	3.546	165	28850	919.233	ng/ml	97
16) Acenaphthylene	3.575	152	189901	949.912	ng/ml	100
18) Acenaphthene	3.674	153	129351	900.142	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 13:28:38 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 13:29:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	39315	982.626	ng/ml	97
20) Fluorene	3.961	166	142652	917.432	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.000	198	22203	800.193	ng/ml	99
24) Hexachlorobenzene	4.280	284	44697	896.959	ng/ml	100
25) Pentachlorophenol	4.391	266	25675	941.664	ng/ml	100
26) Phenanthrene	4.505	178	215532	958.717	ng/ml	100
27) Anthracene	4.532	178	219278	942.743	ng/ml	100
28) Fluoranthene	5.178	202	245243	947.125	ng/ml	100
29) Pyrene	5.307	202	259868	973.278	ng/ml	99
32) Benzo[a]anthracene	6.006	228	251011	931.397	ng/ml	99
33) 3,3'-Dichlorobenzene	6.001	252	99042	1045.045	ng/ml	100
34) Chrysene	6.028	228	239672	1032.581	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.049	149	148592	957.740	ng/ml	100
37) Benzo[b]fluoranthene	6.740	252	255448	926.828	ng/ml	100
38) Benzo[k]fluoranthene	6.765	252	236705	955.330	ng/ml	100
39) Benzo[a]pyrene	7.009	252	222935	987.522	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.131	276	226414	980.828	ng/ml	100
41) Dibenzo[a,h]anthracene	8.168	278	214255M6	987.983	ng/ml	
42) Benzo[g,h,i]perylene	8.430	276	217730	971.154	ng/ml	99

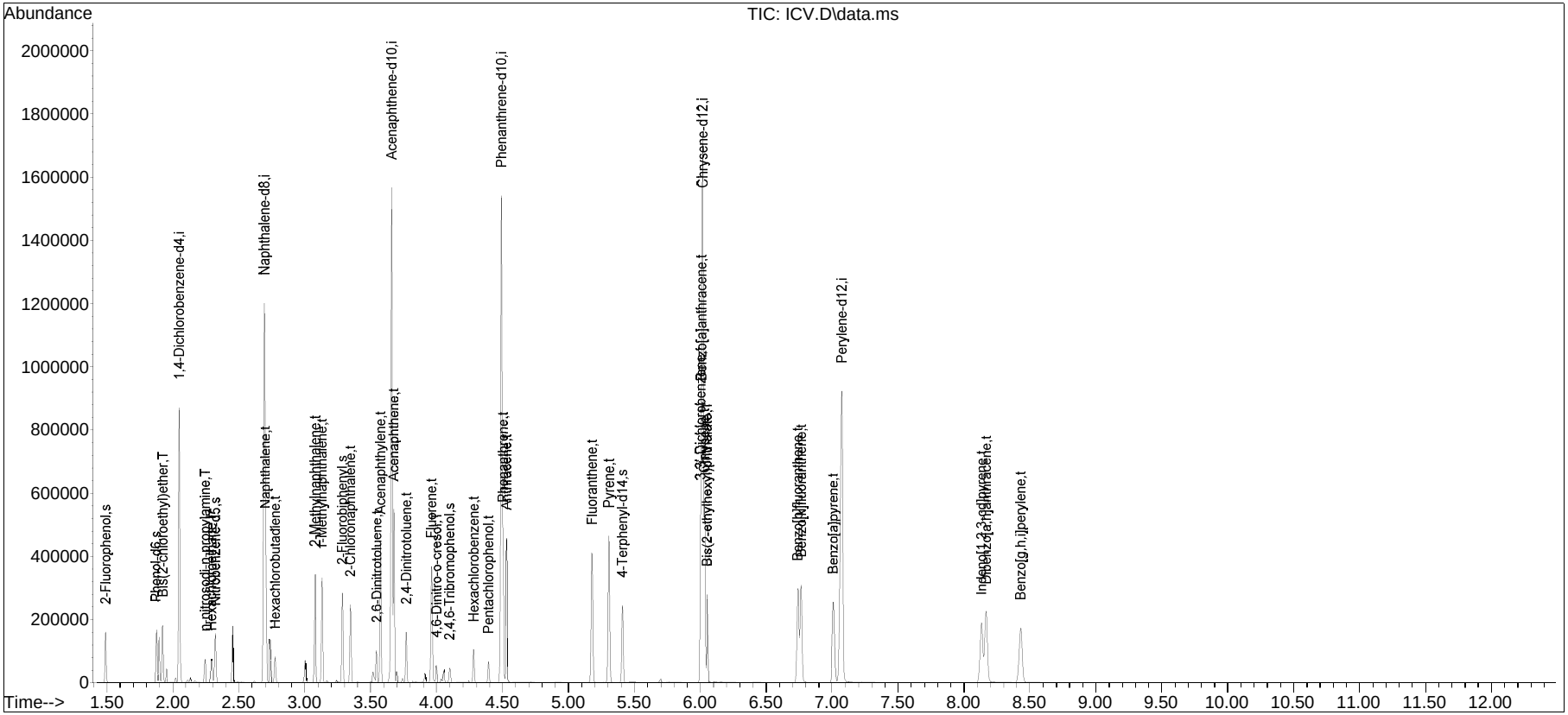
(#) = qualifier out of range (m) = manual integration (+) = signals summed

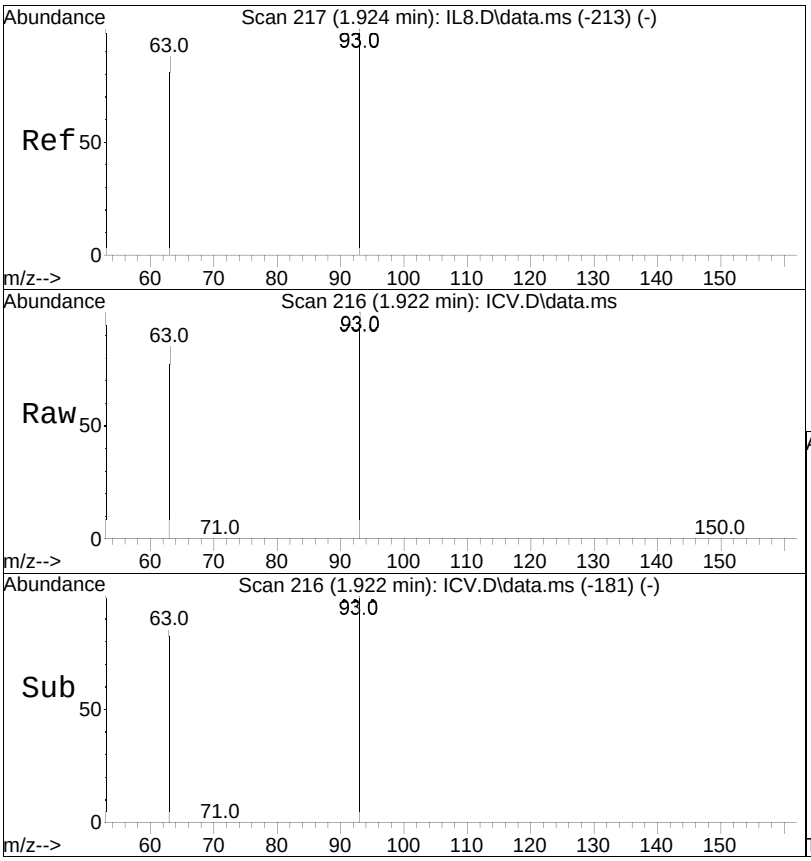
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 05 13:28:38 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 13:29:37 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•

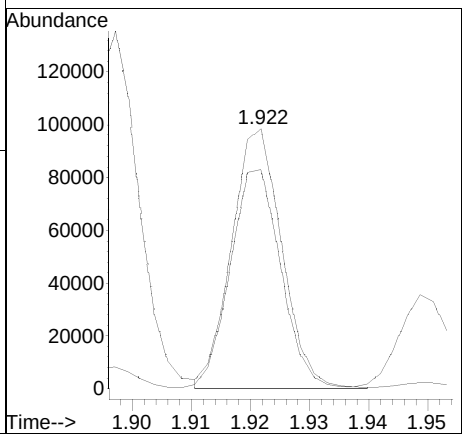


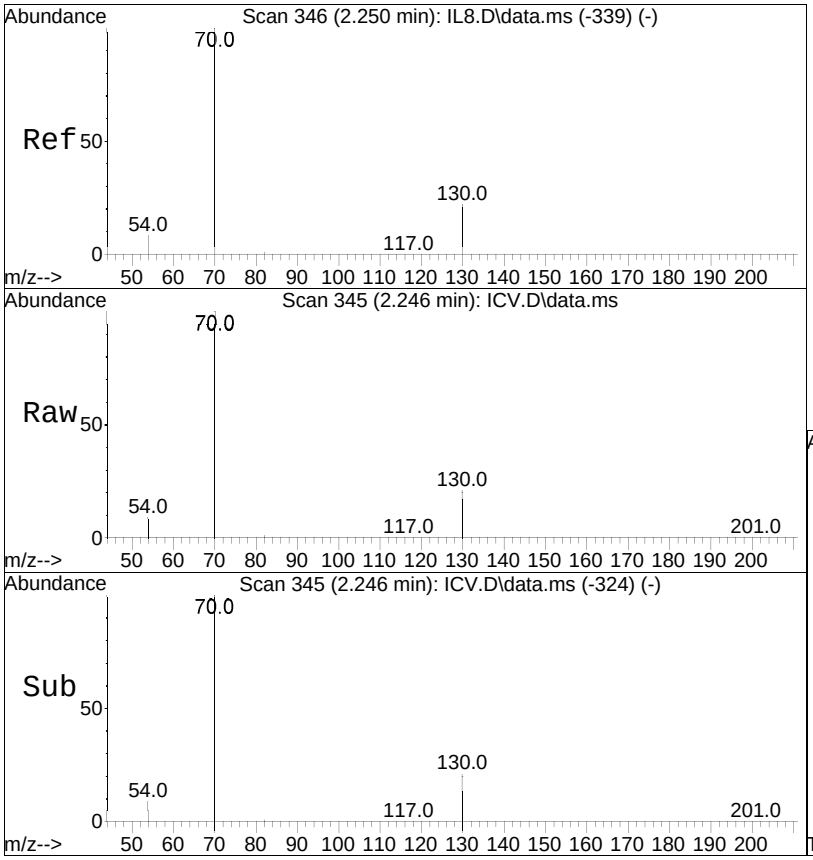


#4
Bis(2-chloroethyl)ether
Concen: 910.10 ng/ml
RT: 1.922 min Scan# 216
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion: 93 Resp: 57941

Ion	Ratio	Lower	Upper
93	100		
63	85.4	68.7	103.1

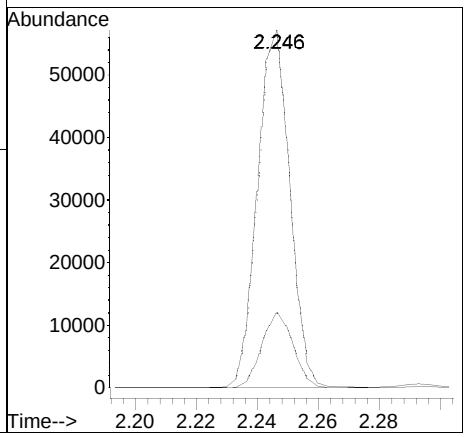


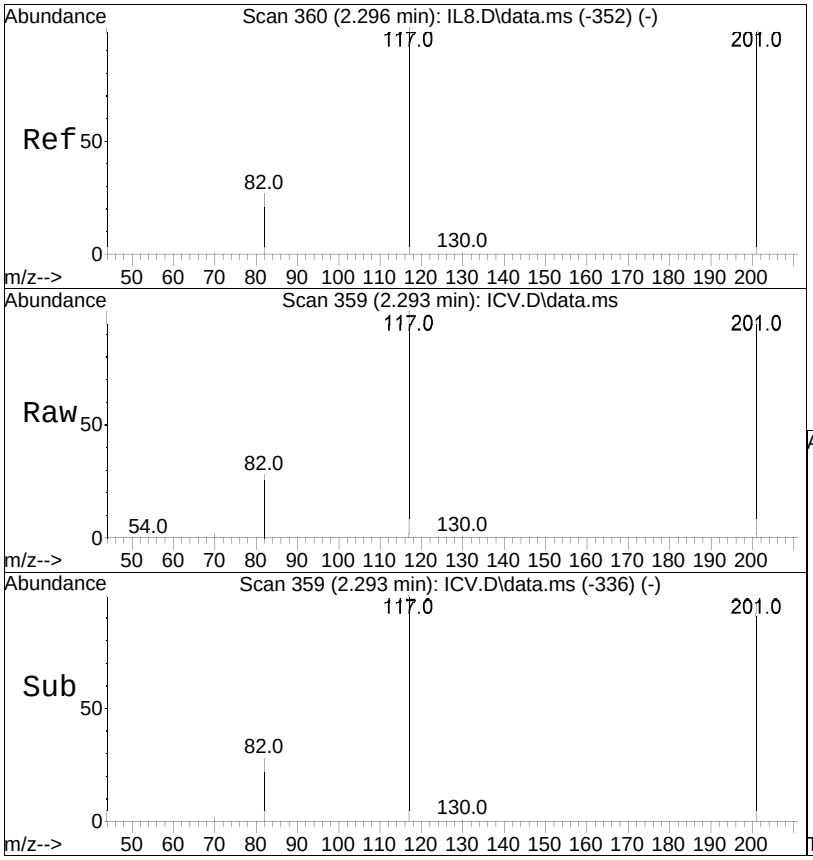


#5
n-nitrosodi-n-propylamine
Concen: 918.50 ng/ml
RT: 2.246 min Scan# 345
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion: 70 Resp: 41367

Ion	Ratio	Lower	Upper
70	100		
130	20.5	16.6	24.8

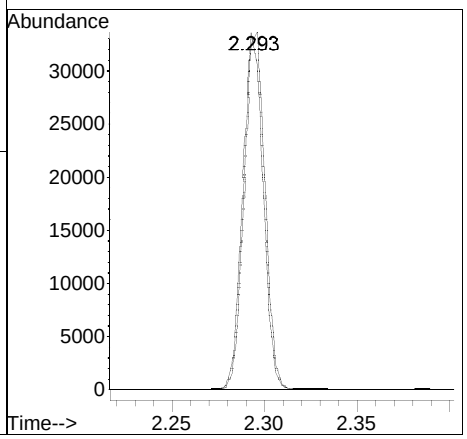


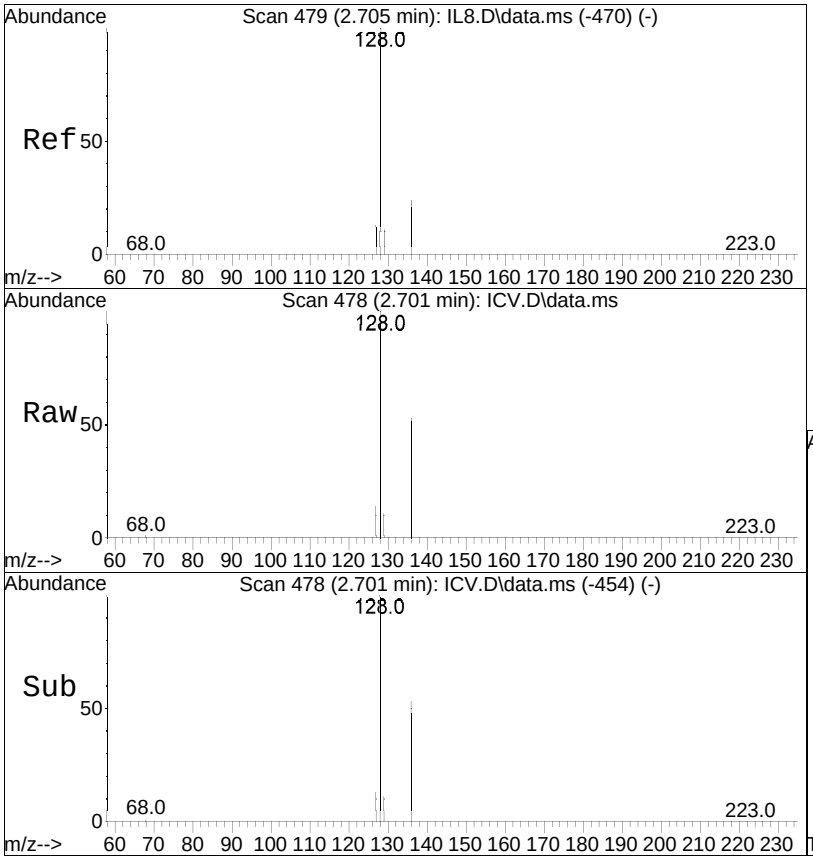


#6
Hexachloroethane
Concen: 929.24 ng/ml
RT: 2.293 min Scan# 359
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:117 Resp: 25118

Ion	Ratio	Lower	Upper
117	100		
201	102.2	82.0	123.0

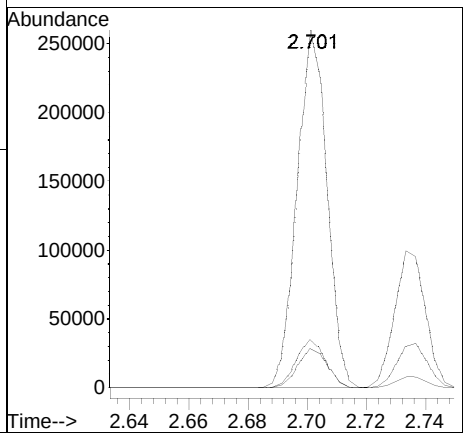


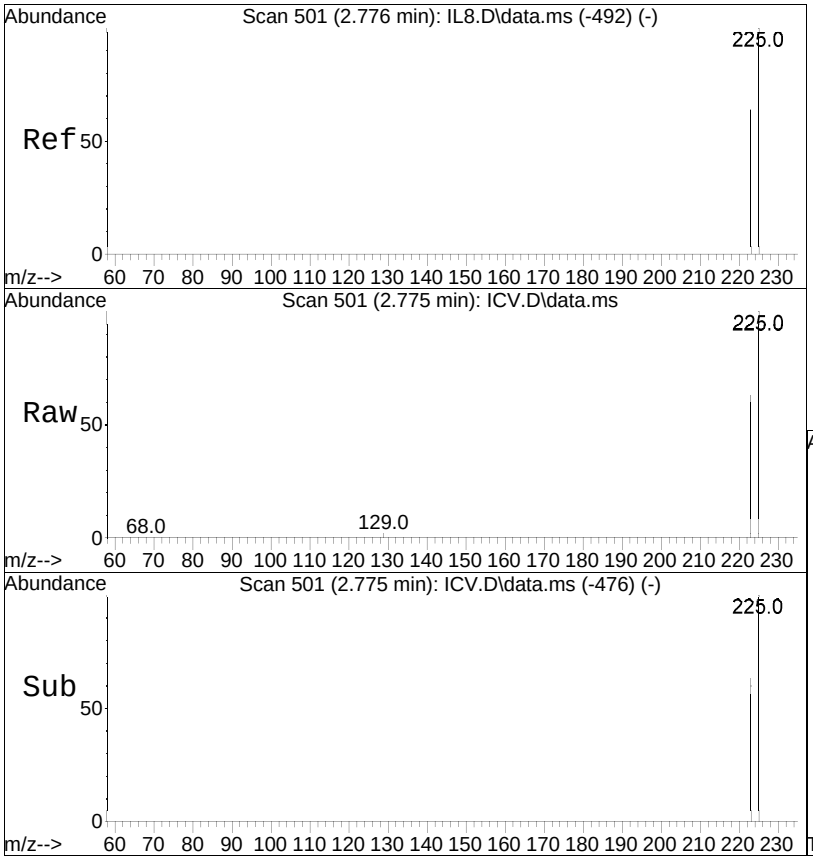


#9
Naphthalene
Concen: 900.41 ng/ml
RT: 2.701 min Scan# 478
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:128 Resp: 181157

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

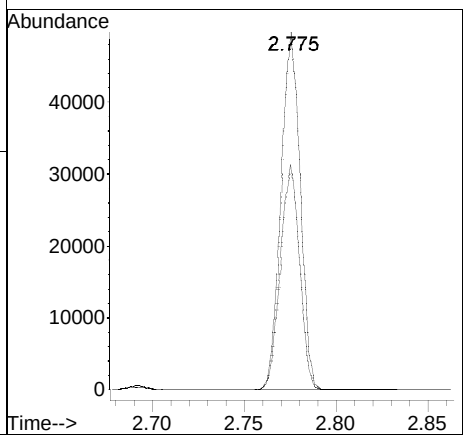


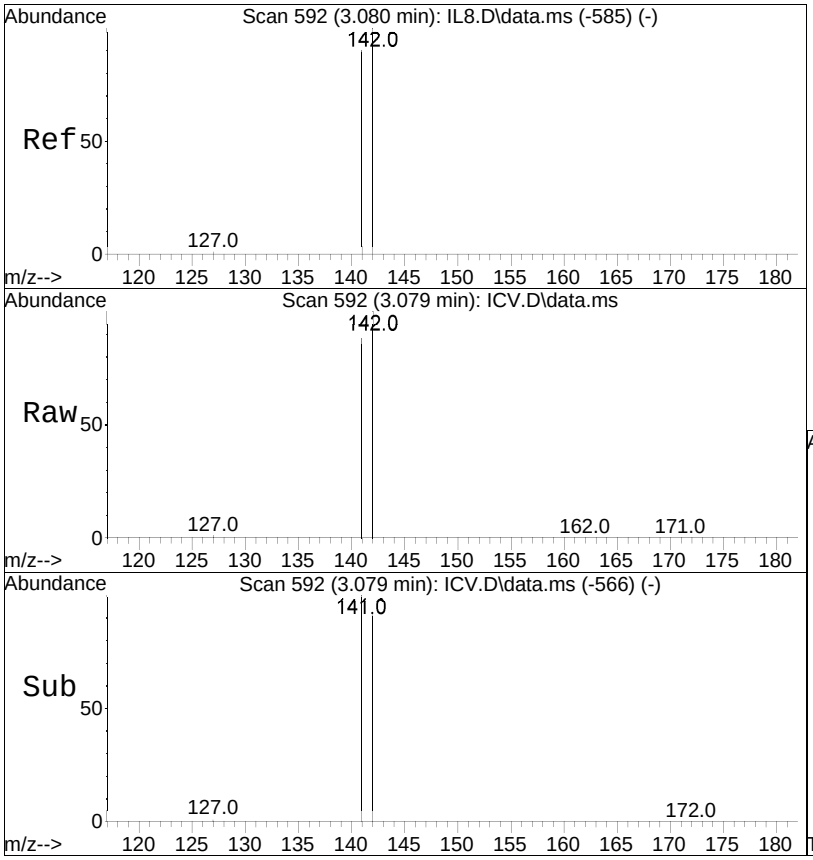


#10
Hexachlorobutadiene
Concen: 920.24 ng/ml
RT: 2.775 min Scan# 501
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:225 Resp: 35082

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7

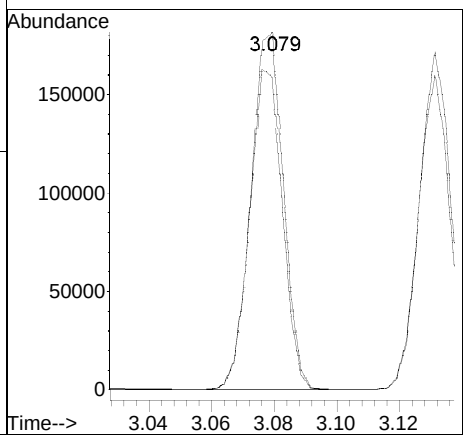


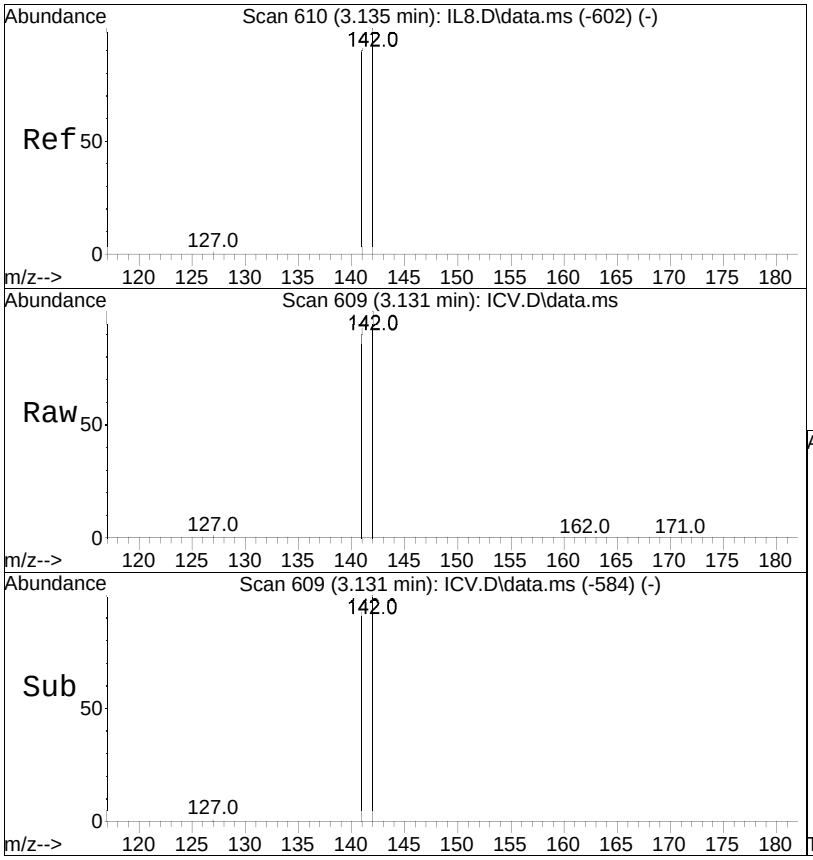


#11
2-Methylnaphthalene
Concen: 934.19 ng/ml
RT: 3.079 min Scan# 592
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:142 Resp: 130487

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.2

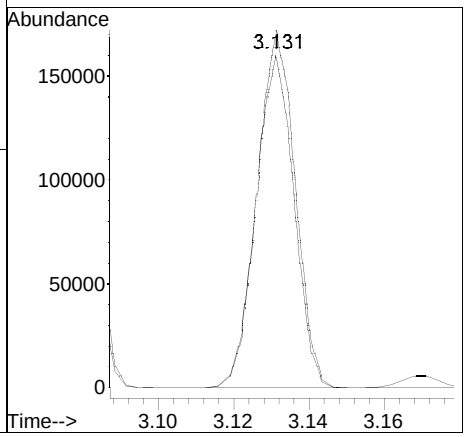


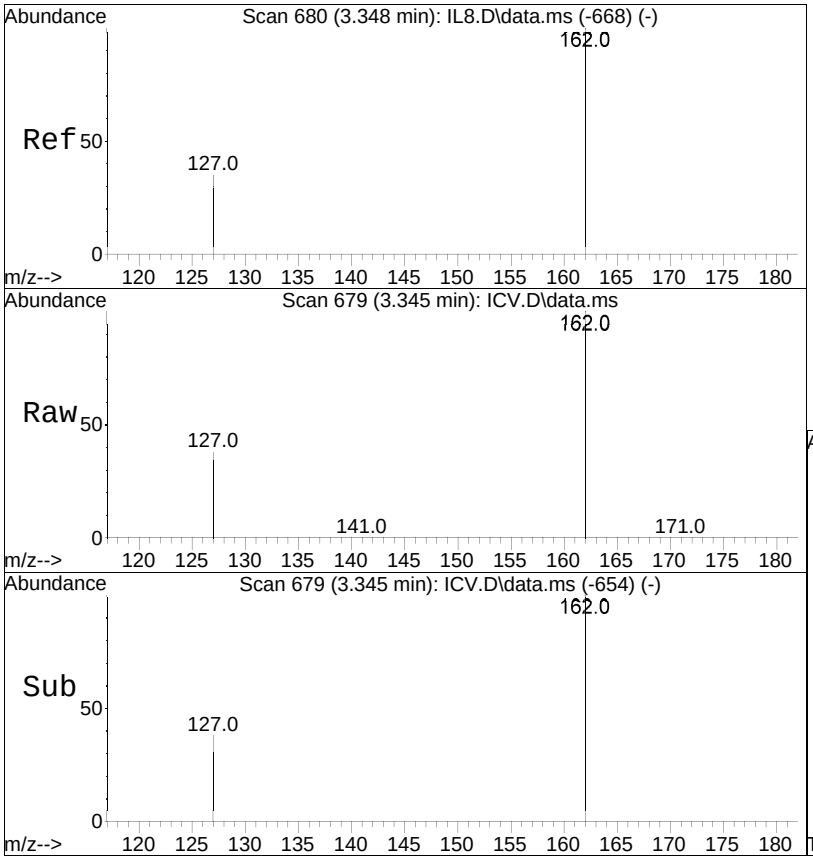


#12
1-Methylnaphthalene
Concen: 926.54 ng/ml
RT: 3.131 min Scan# 609
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:142 Resp: 119040

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.6	112.0

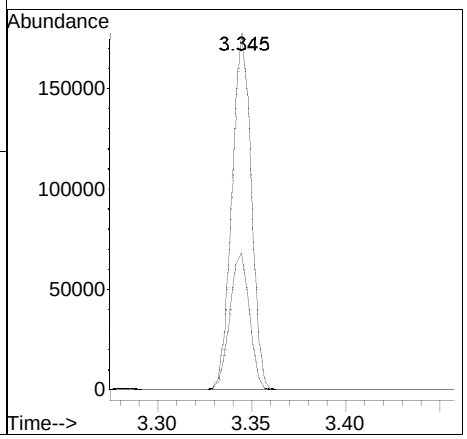


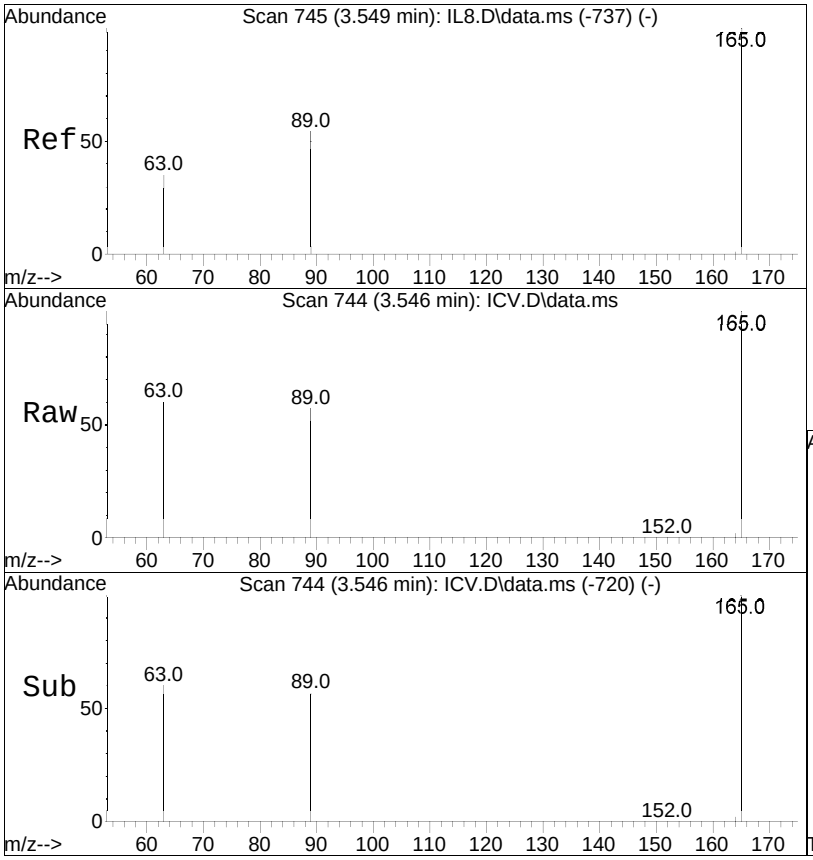


#14
2-Chloronaphthalene
Concen: 897.05 ng/ml
RT: 3.345 min Scan# 679
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:162 Resp: 124383

Ion	Ratio	Lower	Upper
162	100		
127	38.9	31.0	46.4

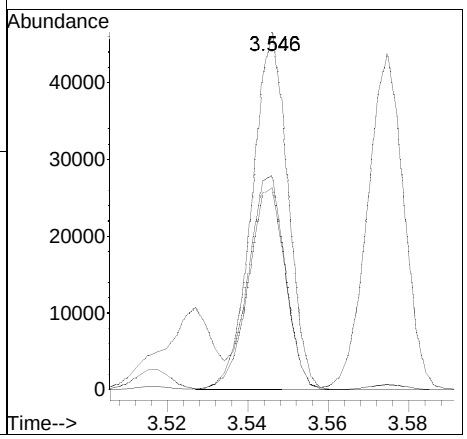


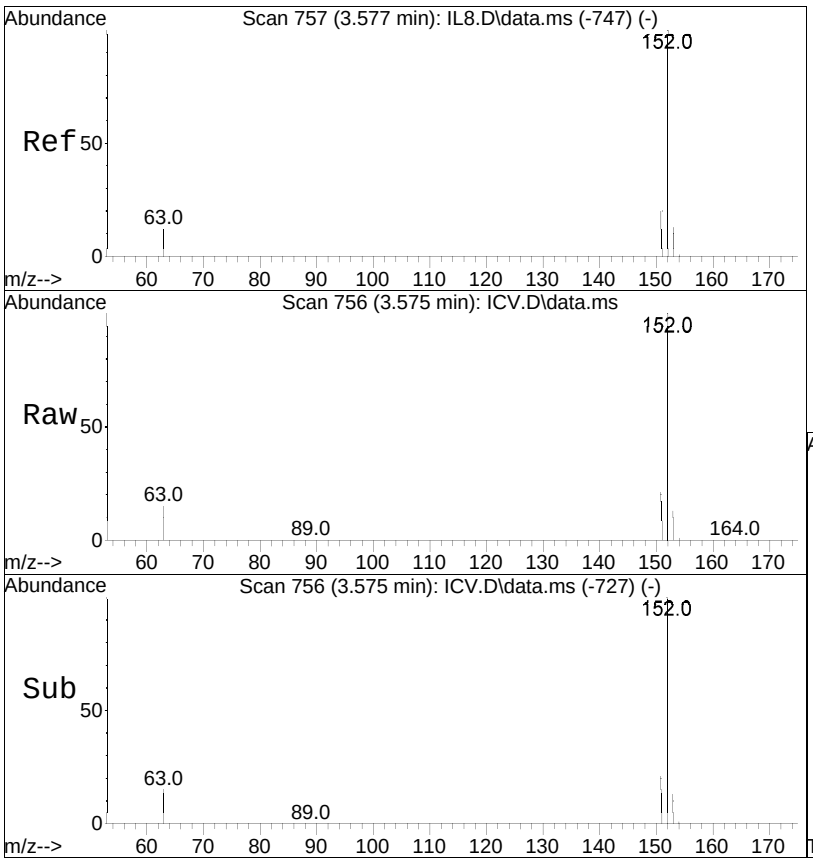


#15
2,6-Dinitrotoluene
Concen: 919.23 ng/ml
RT: 3.546 min Scan# 744
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:165 Resp: 28850

Ion	Ratio	Lower	Upper
165	100		
89	58.5	45.8	68.8
63	60.8	46.3	69.5

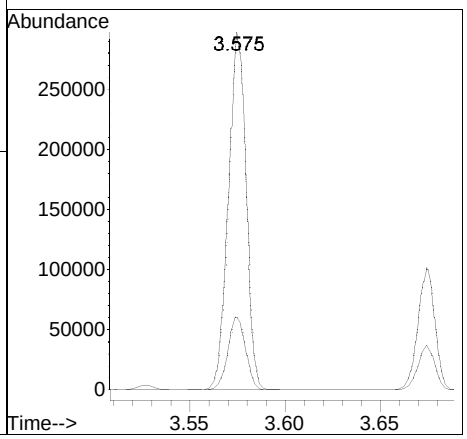


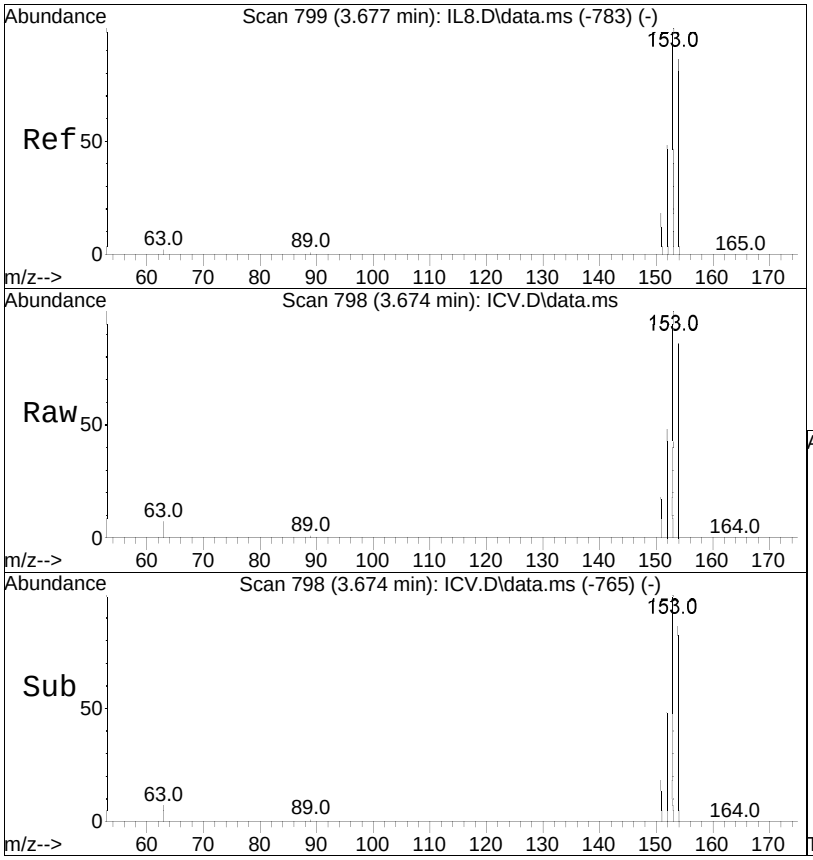


#16
Acenaphthylene
Concen: 949.91 ng/ml
RT: 3.575 min Scan# 756
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:152 Resp: 189901

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

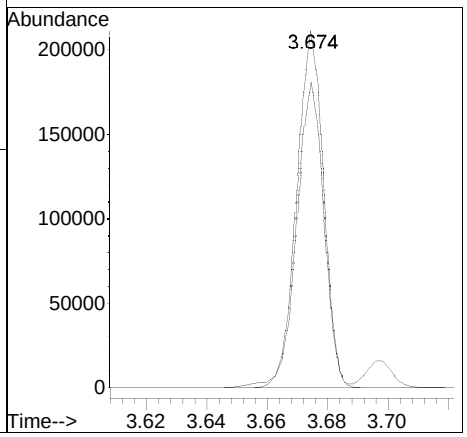


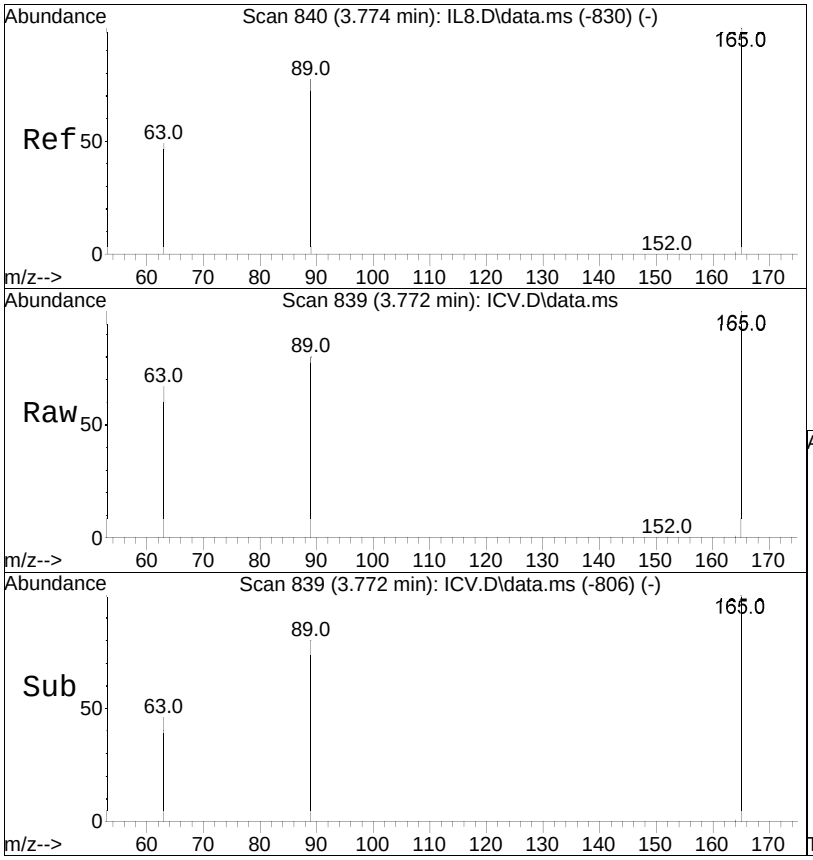


#18
Acenaphthene
Concen: 900.14 ng/ml
RT: 3.674 min Scan# 798
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:153 Resp: 129351

Ion	Ratio	Lower	Upper
153	100		
154	87.1	69.8	104.6

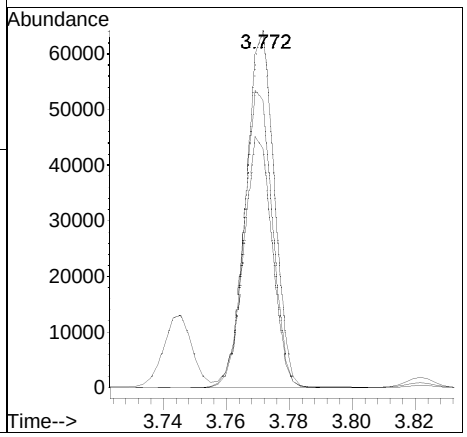


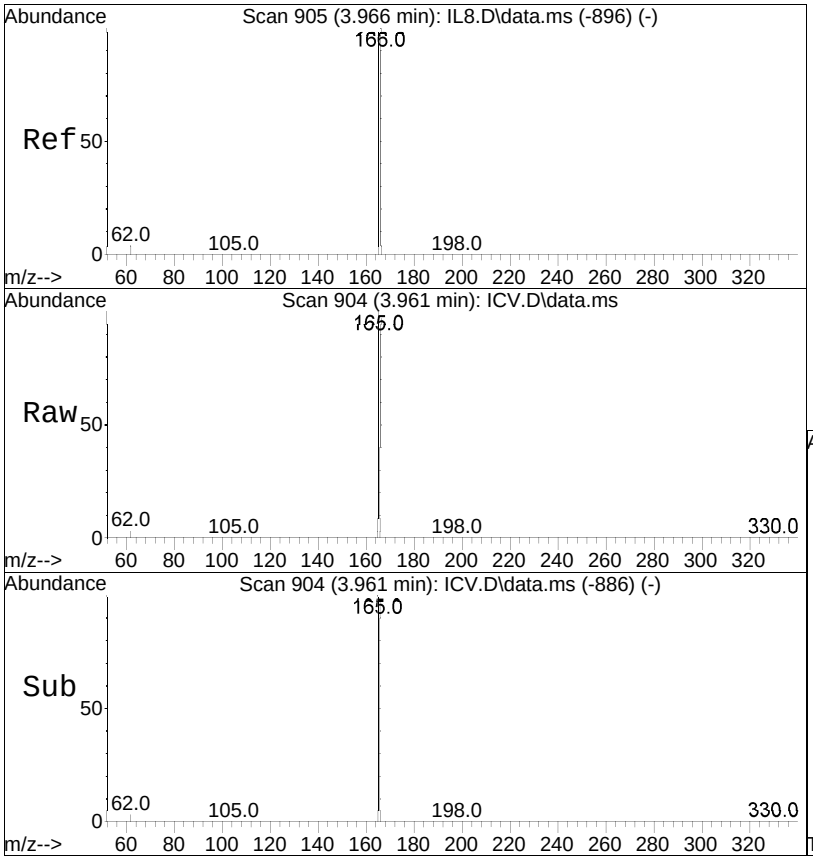


#19
2,4-Dinitrotoluene
Concen: 982.63 ng/ml
RT: 3.772 min Scan# 839
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:165 Resp: 39315

Ion	Ratio	Lower	Upper
165	100		
89	84.5	65.9	98.9
63	71.8	55.7	83.5

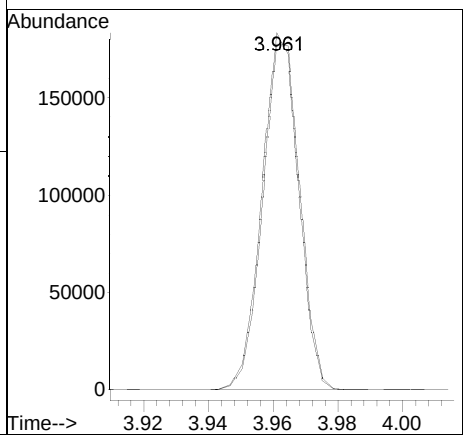


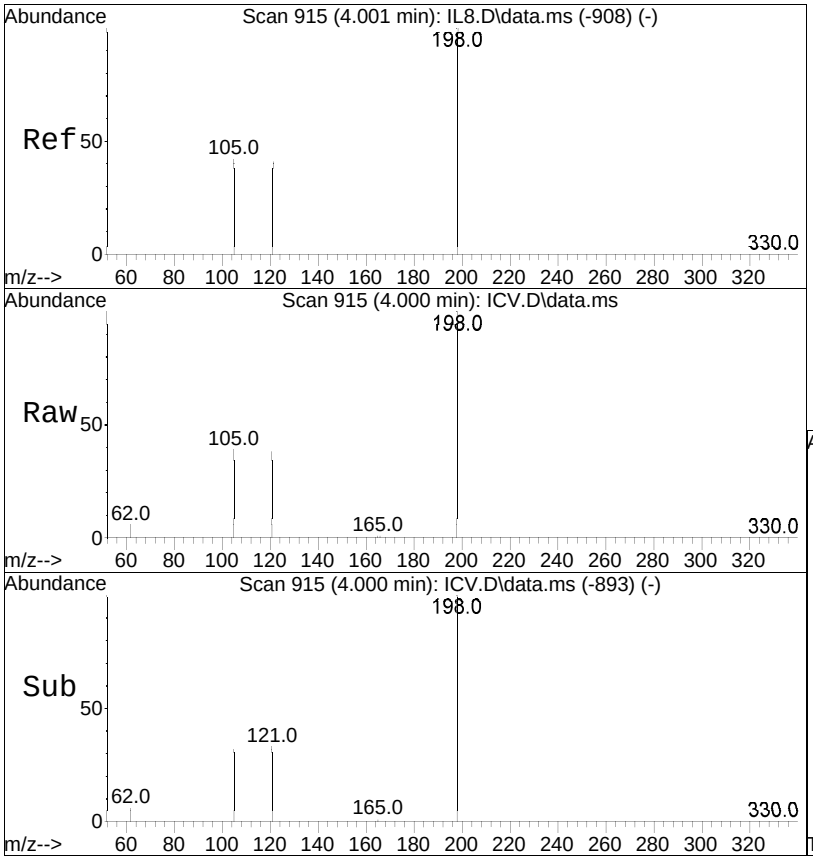


#20
Fluorene
Concen: 917.43 ng/ml
RT: 3.961 min Scan# 904
Delta R.T. -0.005 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:166 Resp: 142652

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.1	120.1

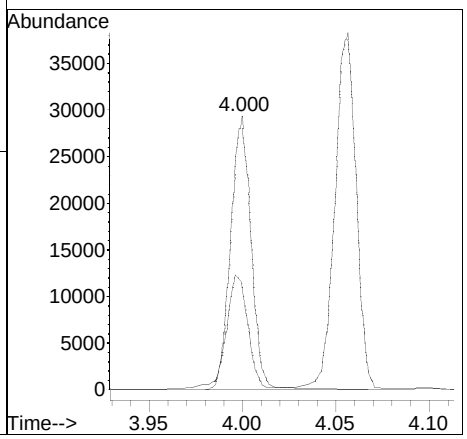


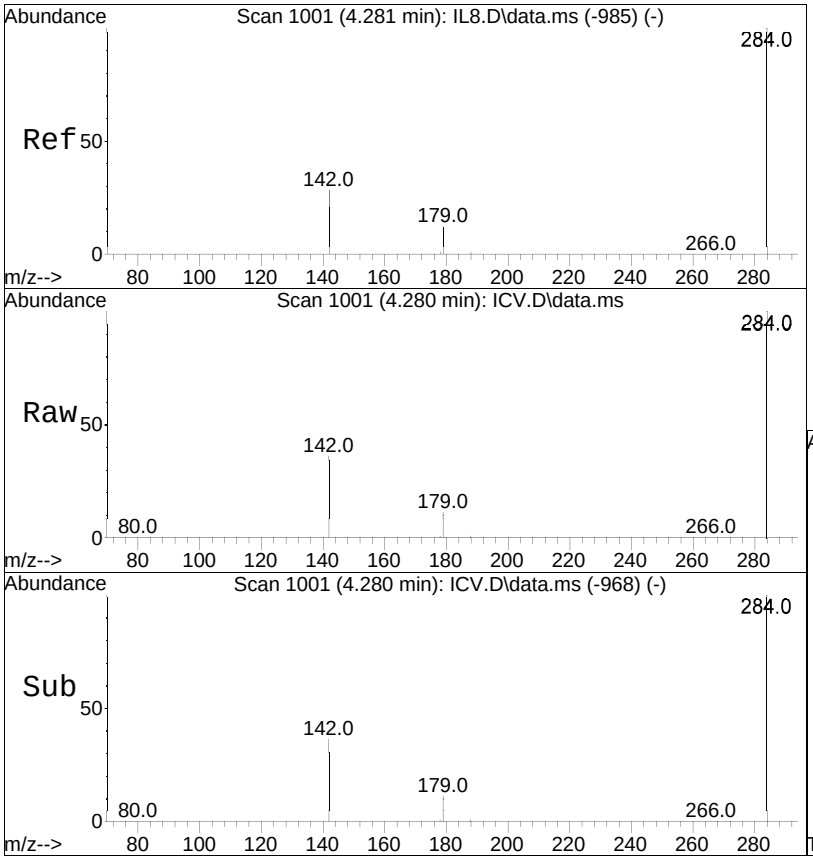


#23
4,6-Dinitro-o-cresol
Concen: 800.19 ng/ml
RT: 4.000 min Scan# 915
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:198 Resp: 22203

Ion	Ratio	Lower	Upper
198	100		
105	44.8	35.4	53.2

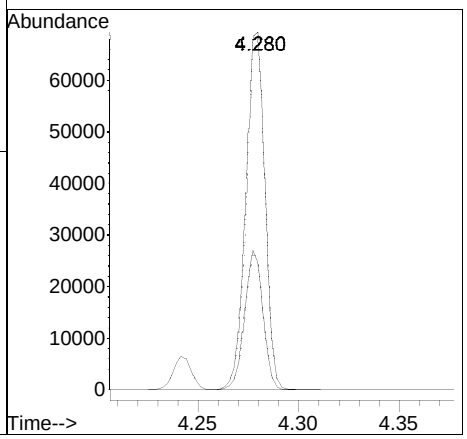


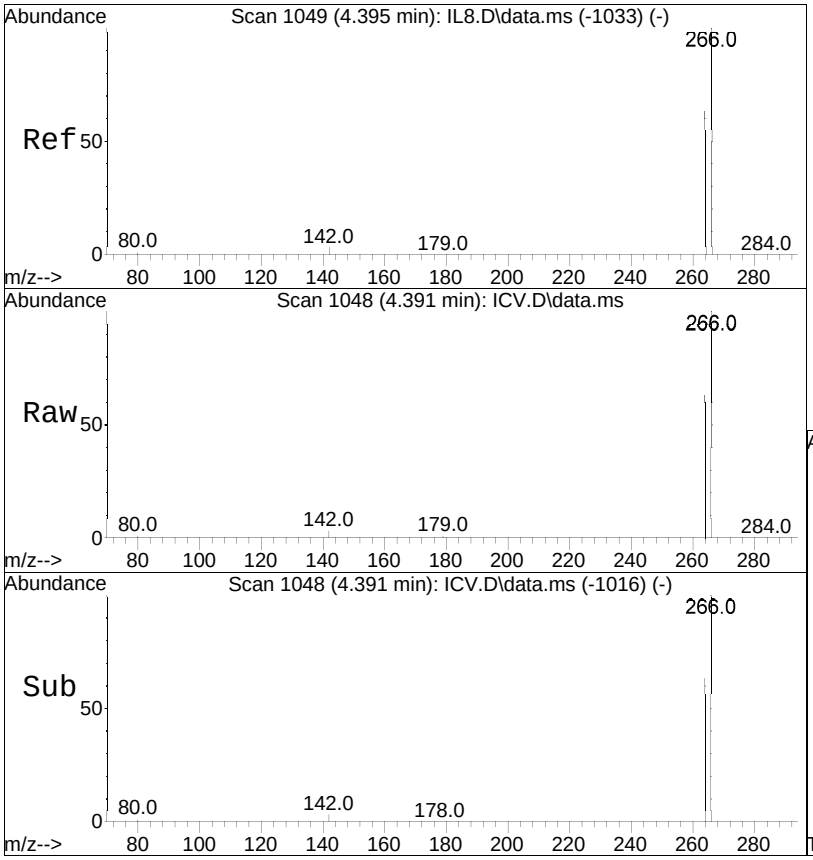


#24
Hexachlorobenzene
Concen: 896.96 ng/ml
RT: 4.280 min Scan# 1001
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:284 Resp: 44697

Ion	Ratio	Lower	Upper
284	100		
142	37.8	30.2	45.2

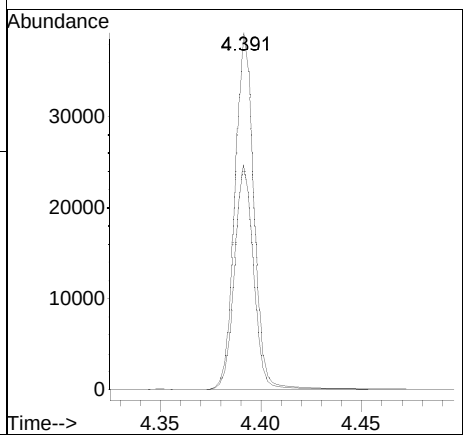


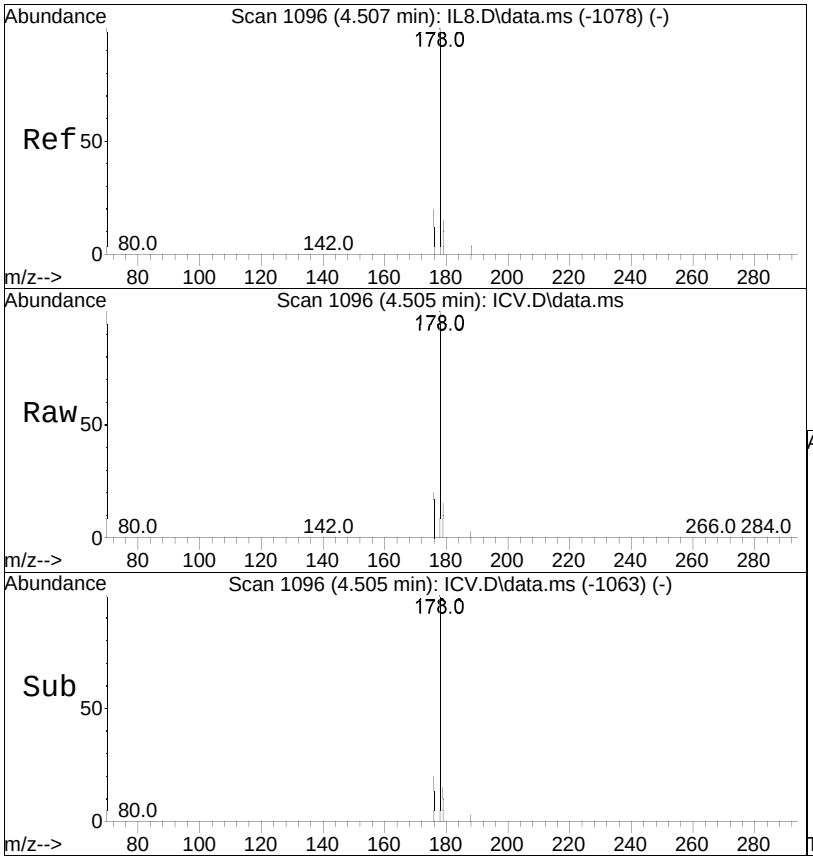


#25
Pentachlorophenol
Concen: 941.66 ng/ml
RT: 4.391 min Scan# 1048
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:266 Resp: 25675

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.3	75.5

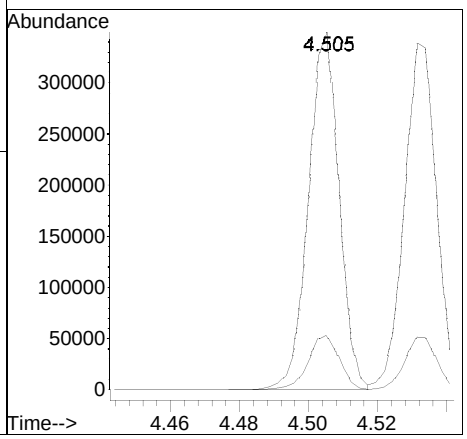


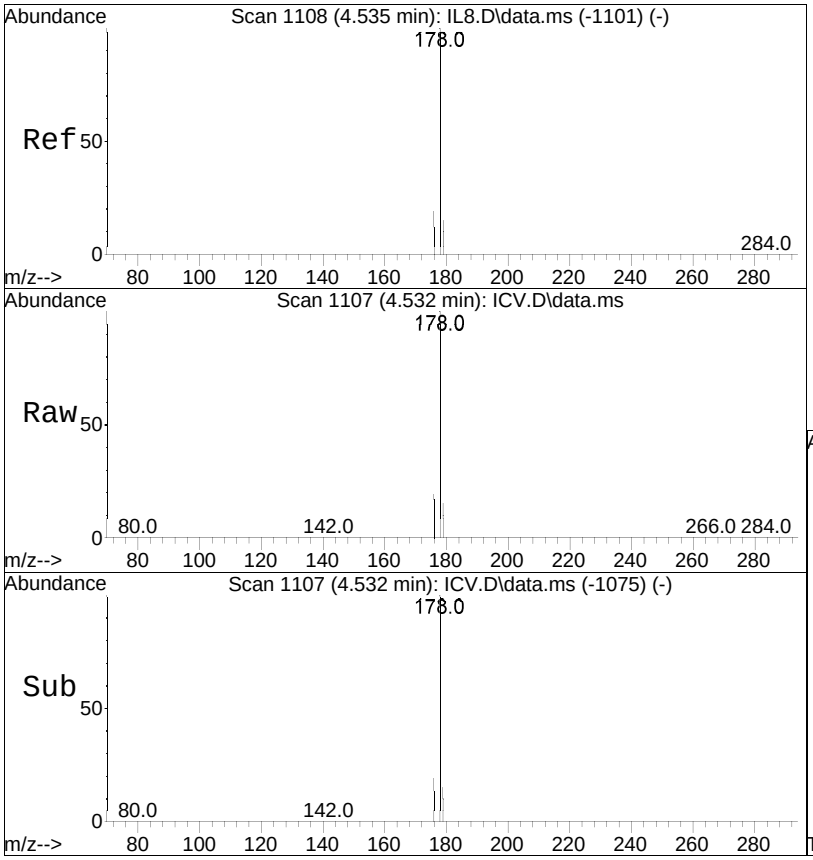


#26
Phenanthrene
Concen: 958.72 ng/ml
RT: 4.505 min Scan# 1096
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:178 Resp: 215532

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

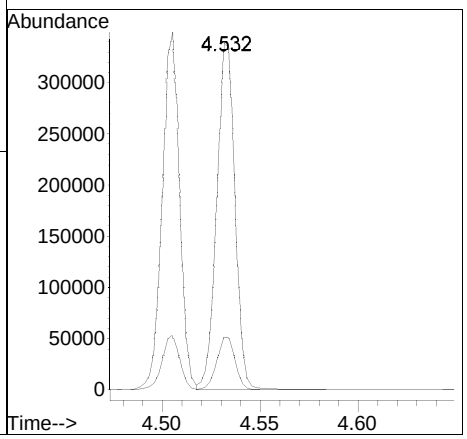


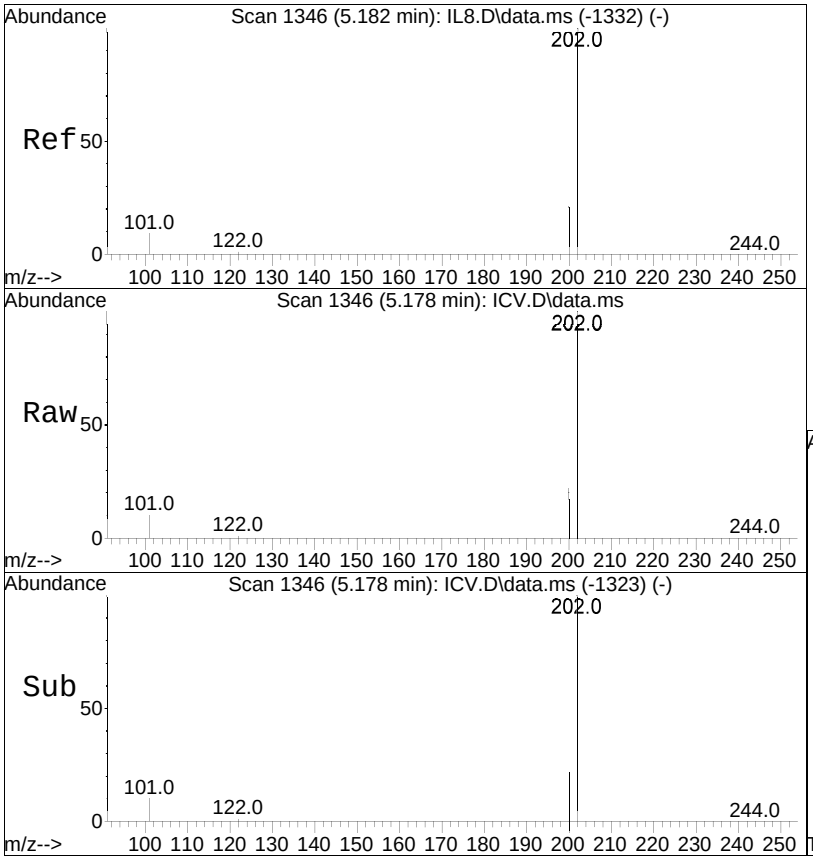


#27
Anthracene
Concen: 942.74 ng/ml
RT: 4.532 min Scan# 1107
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:178 Resp: 219278

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

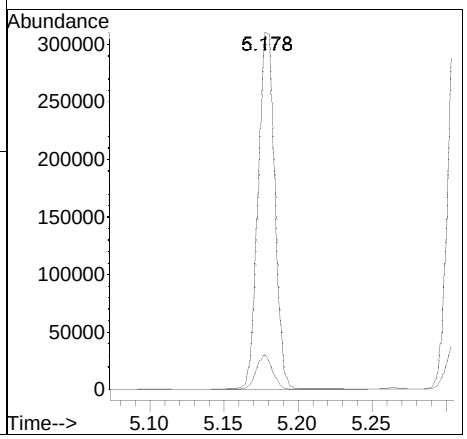


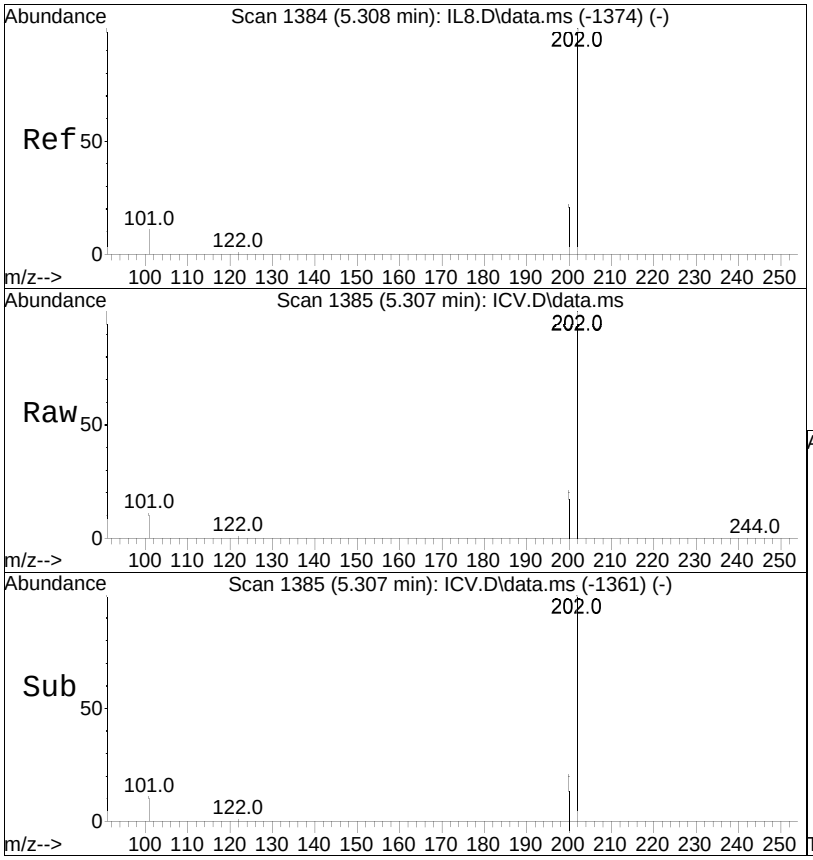


#28
Fluoranthene
Concen: 947.13 ng/ml
RT: 5.178 min Scan# 1346
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:202 Resp: 245243

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.8	11.6

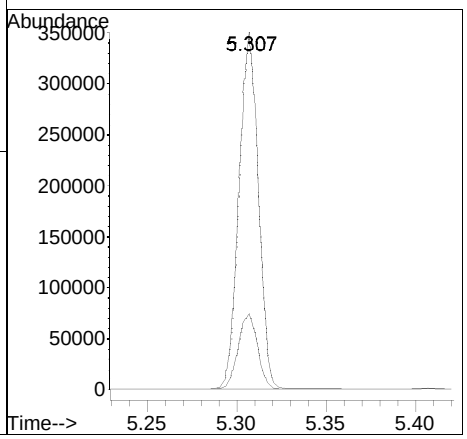


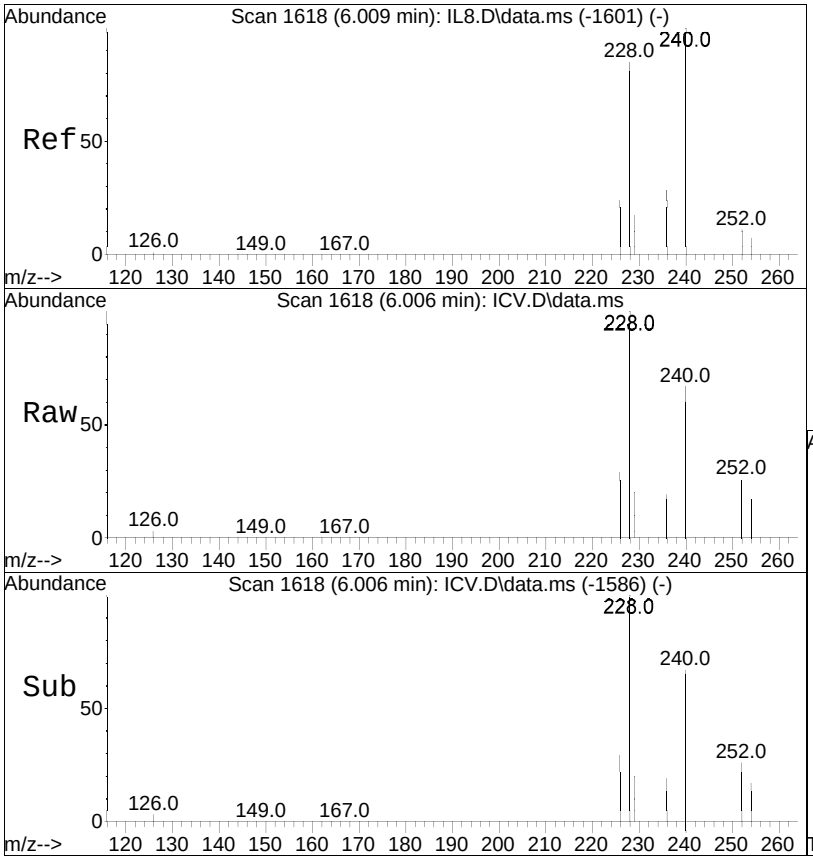


#29
Pyrene
Concen: 973.28 ng/ml
RT: 5.307 min Scan# 1385
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:202 Resp: 259868

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.5	26.3

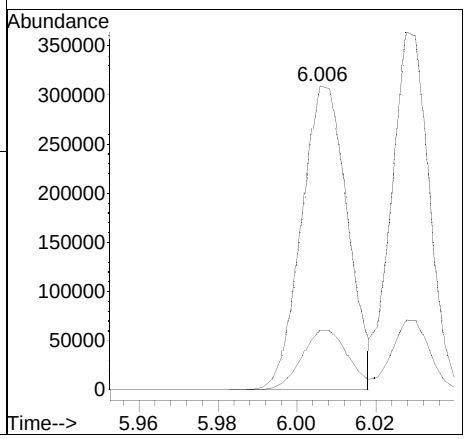


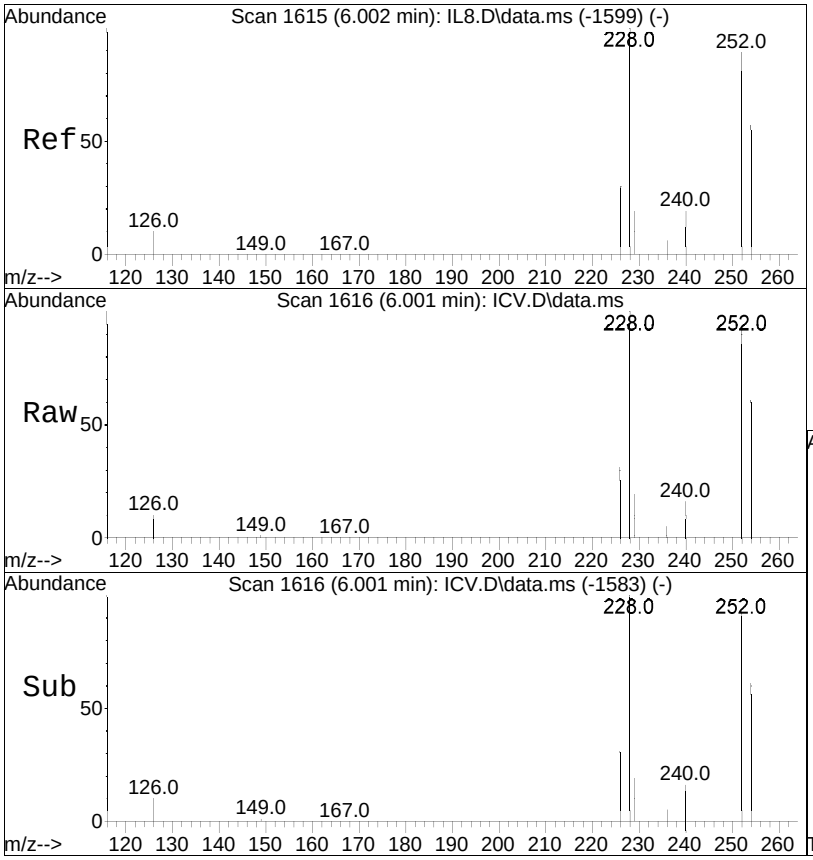


#32
Benzo[a]anthracene
Concen: 931.40 ng/ml
RT: 6.006 min Scan# 1618
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:228 Resp: 251011

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

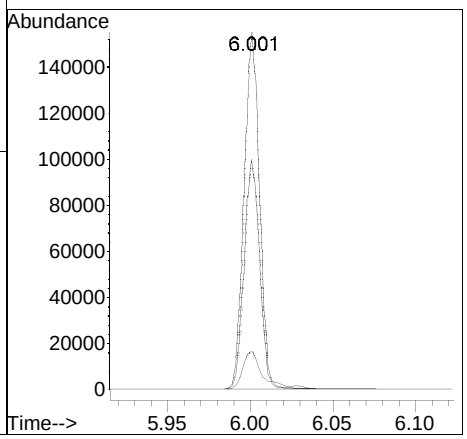


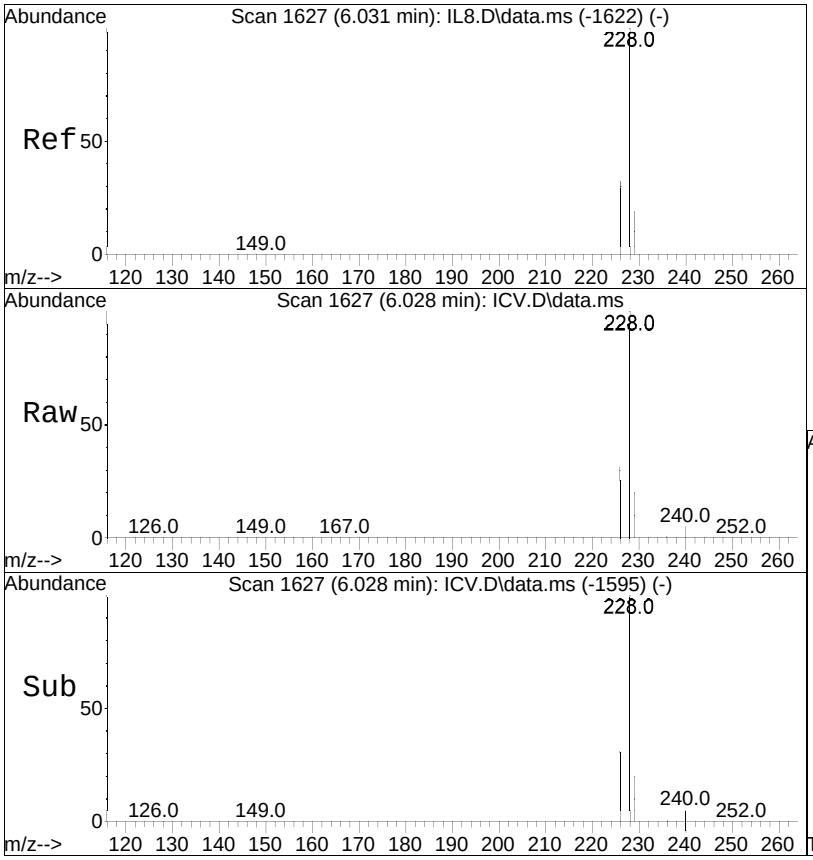


#33
3,3'-Dichlorobenzene
Concen: 1045.04 ng/ml
RT: 6.001 min Scan# 1616
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 99042

Ion	Ratio	Lower	Upper
252	100		
126	13.3	10.9	16.3
254	64.4	51.4	77.2

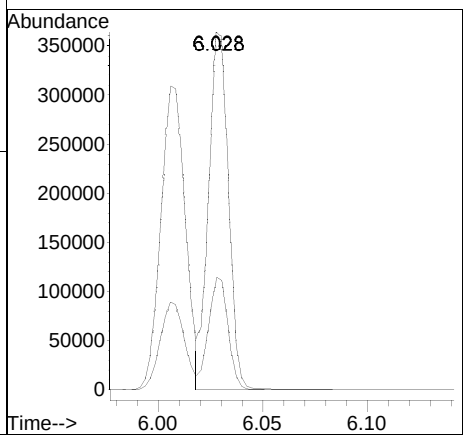


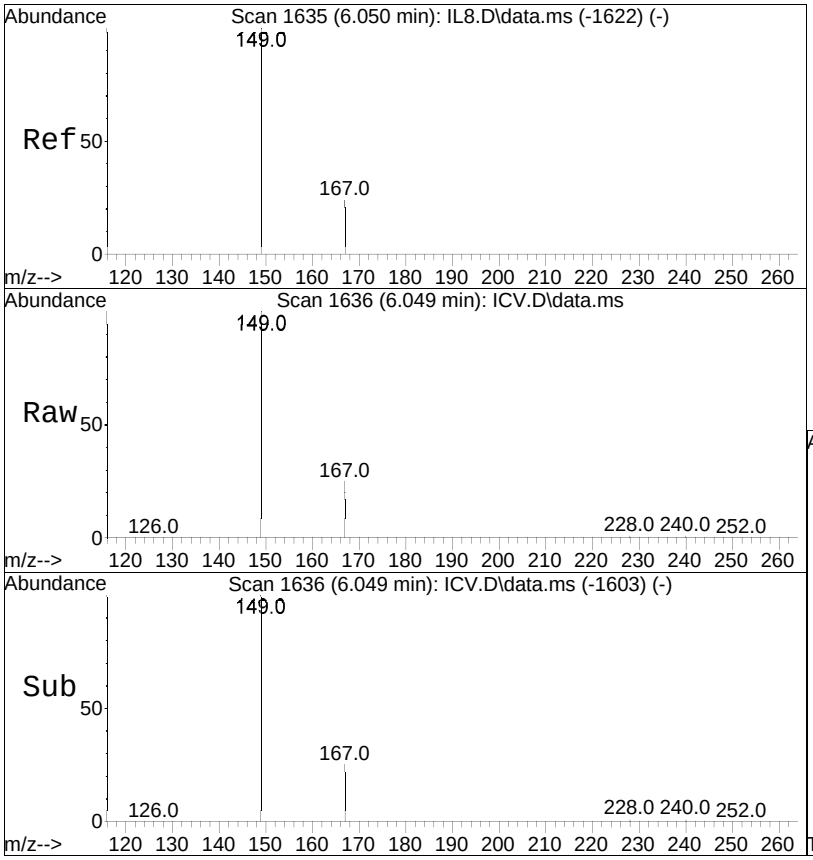


#34
Chrysene
Concen: 1032.58 ng/ml
RT: 6.028 min Scan# 1627
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:228 Resp: 239672

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3

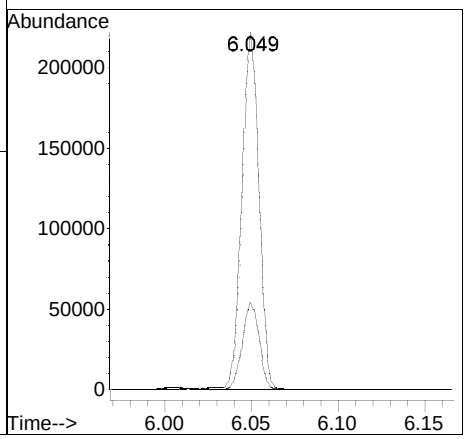


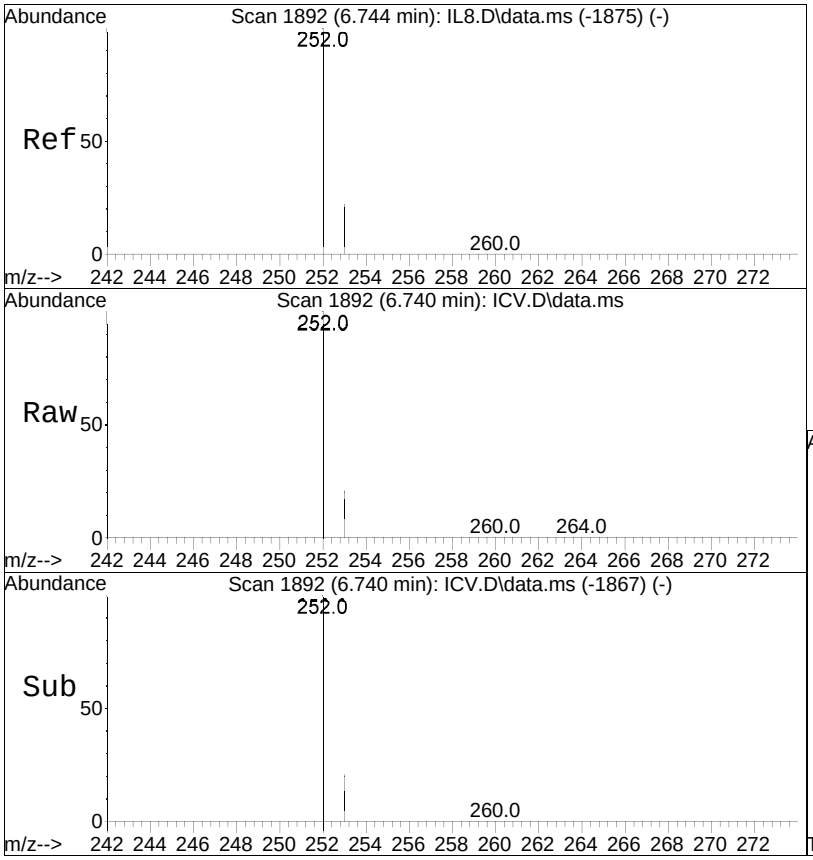


#35
Bis(2-ethylhexyl)phthalate
Concen: 957.74 ng/ml
RT: 6.049 min Scan# 1636
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:149 Resp: 148592

Ion	Ratio	Lower	Upper
149	100		
167	24.4	19.6	29.4

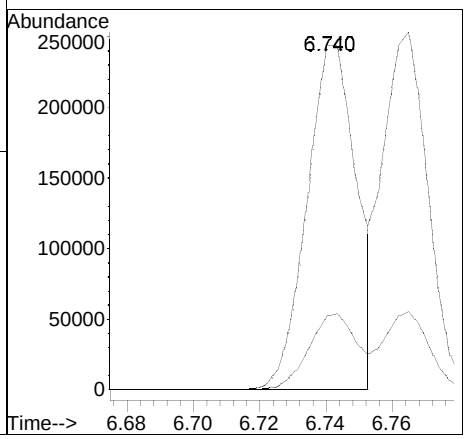


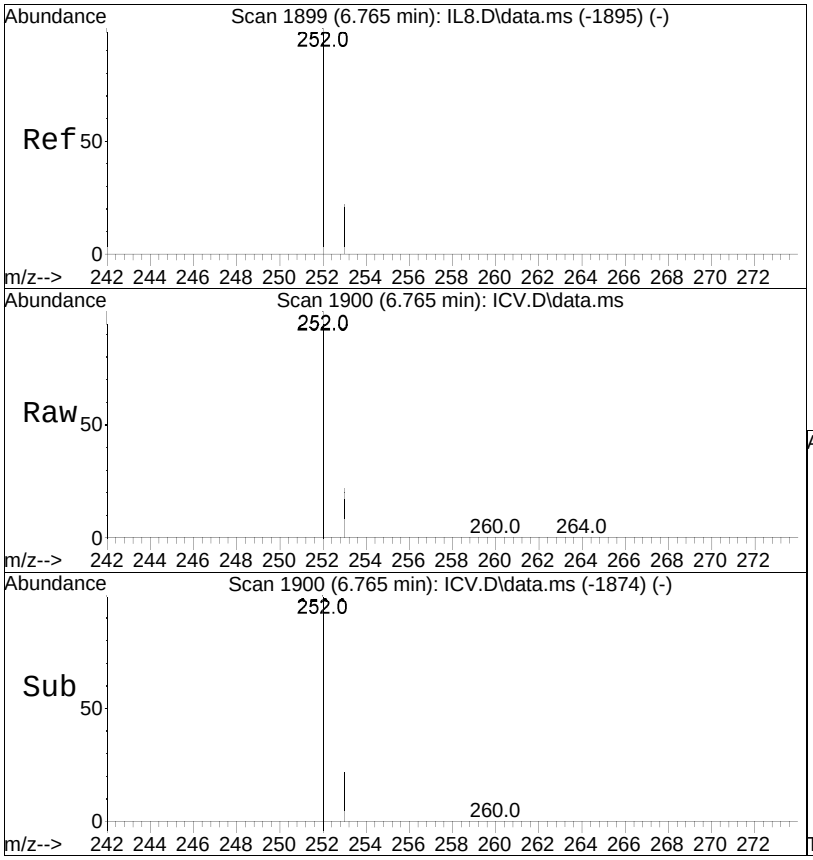


#37
Benzo[b]fluoranthene
Concen: 926.83 ng/ml
RT: 6.740 min Scan# 1892
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 255448

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

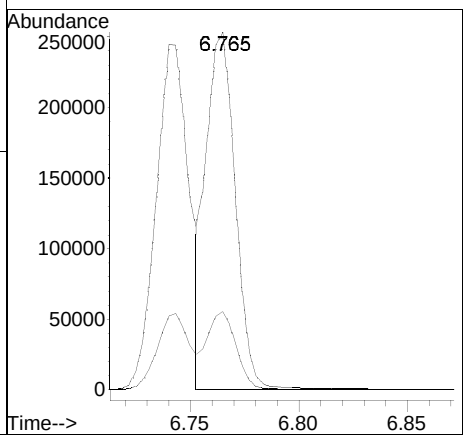


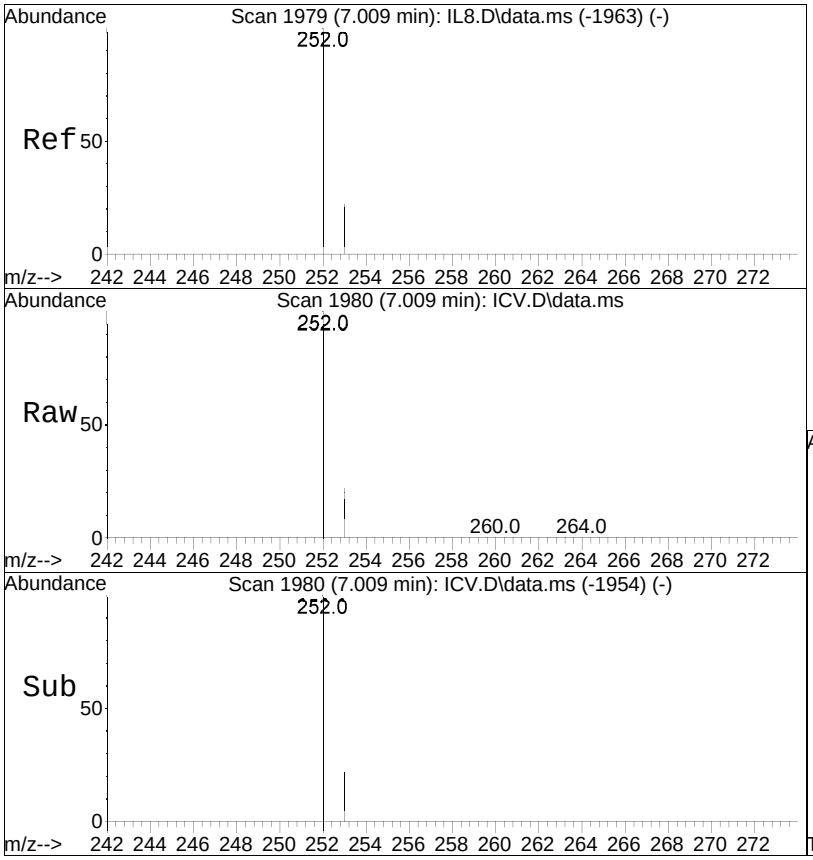


#38
Benzo[k]fluoranthene
Concen: 955.33 ng/ml
RT: 6.765 min Scan# 1900
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 236705

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

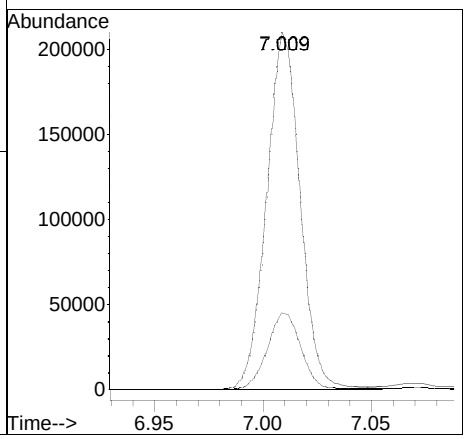


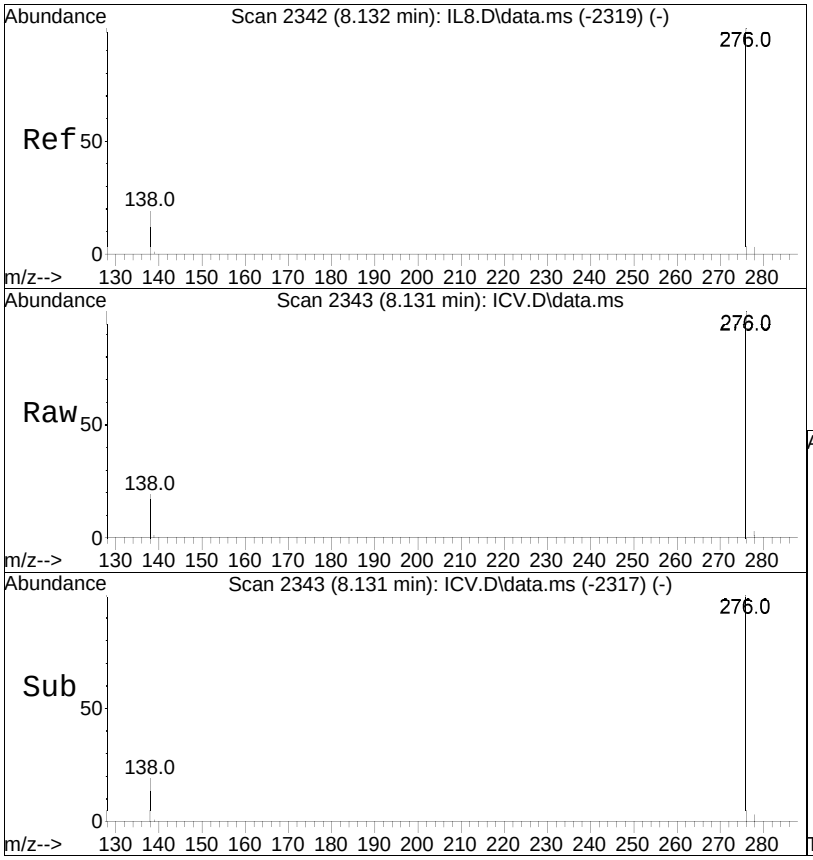


#39
Benzo[a]pyrene
Concen: 987.52 ng/ml
RT: 7.009 min Scan# 1980
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 222935

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

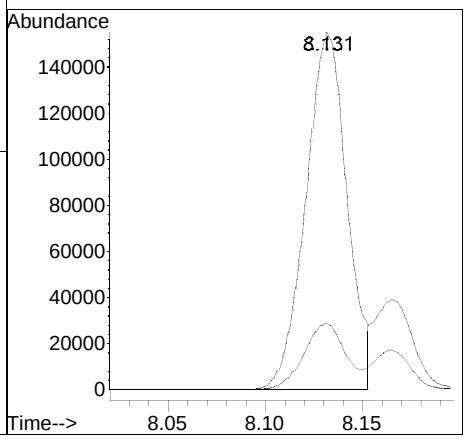


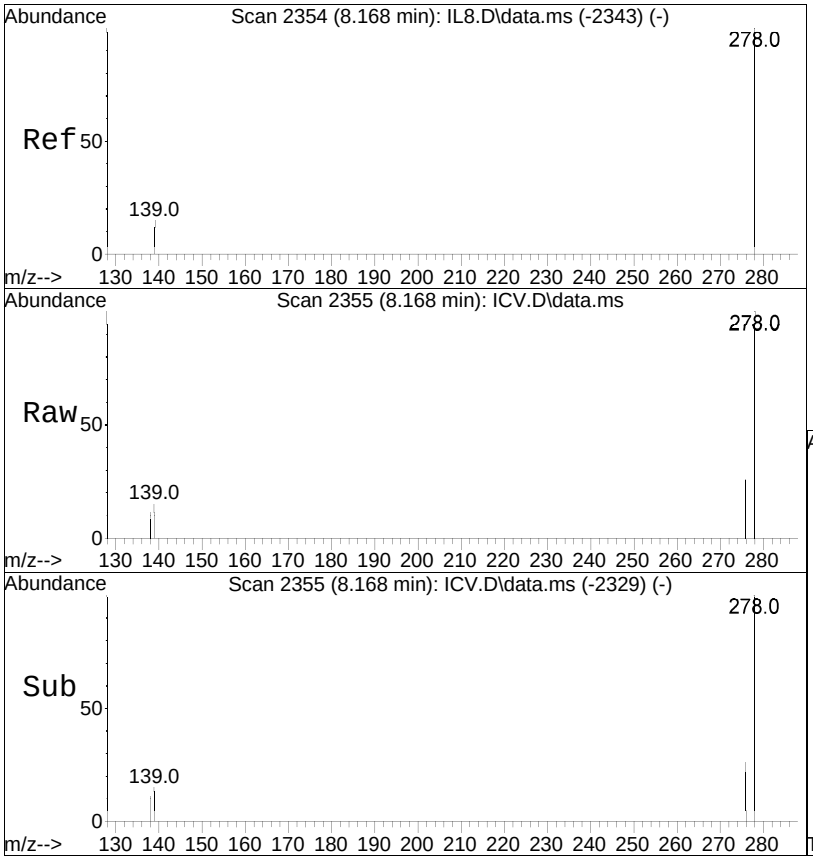


#40
Indeno[1,2,3-cd]pyrene
Concen: 980.83 ng/ml
RT: 8.131 min Scan# 2343
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:276 Resp: 226414

Ion	Ratio	Lower	Upper
276	100		
138	19.1	15.4	23.0

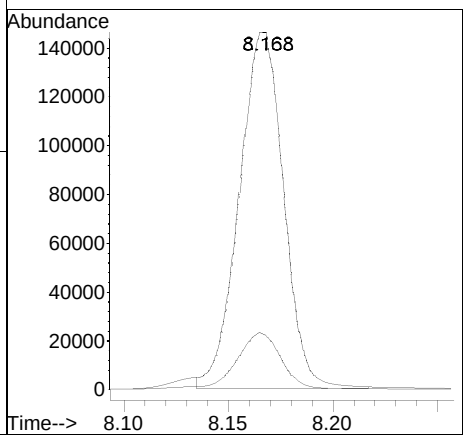


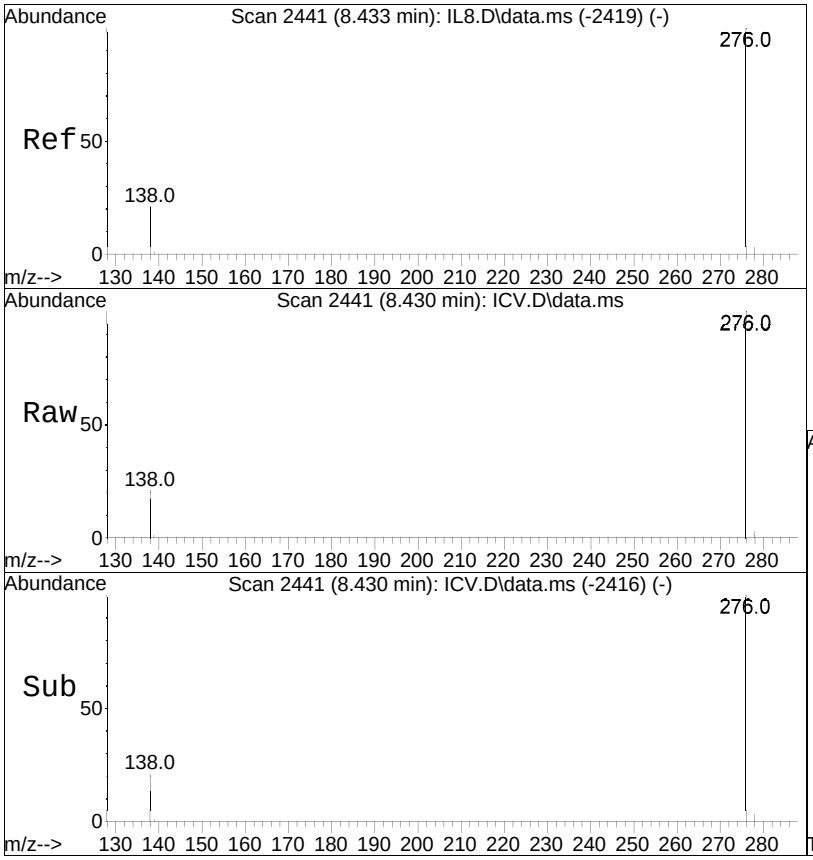


#41
Dibenzo[a,h]anthracene
Concen: 987.98 ng/ml M6
RT: 8.168 min Scan# 2355
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:278 Resp: 214255

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.6

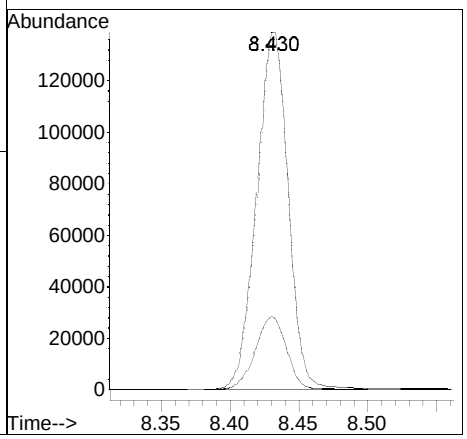




#42
Benzo[g,h,i]perylene
Concen: 971.15 ng/ml
RT: 8.430 min Scan# 2441
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:276 Resp: 217730

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.6	25.0

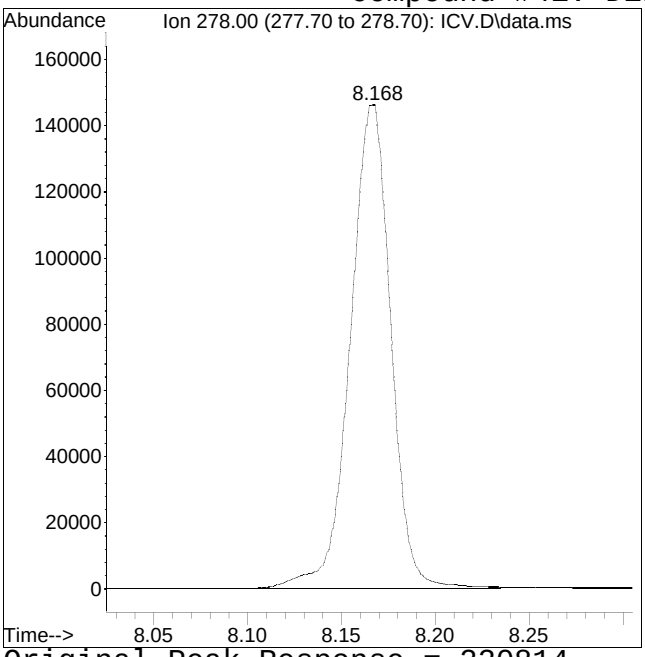


Manual Integration Report

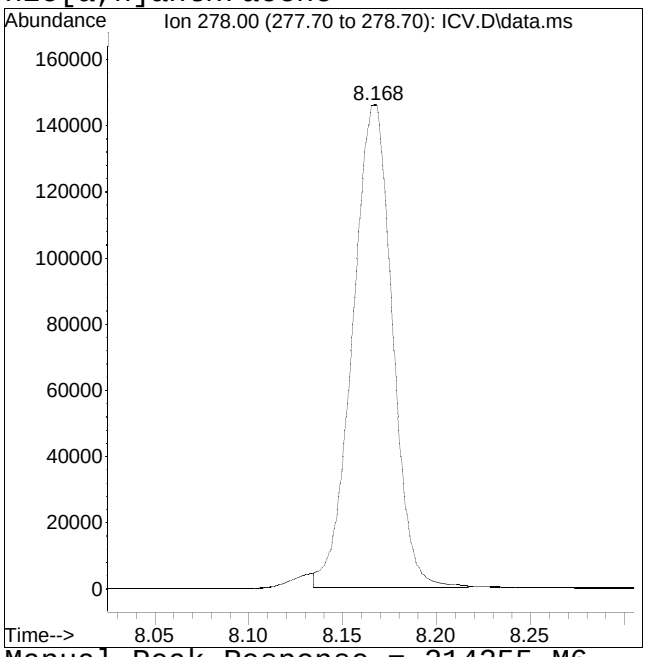
Data Path : I:\8270SIM\sv120\241105RVTQ
Data File : ICV.D
Date Inj'd : 11/5/2024 10:13 am
Sample : CQICV,32,,1000.0ng/mL lot

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 11/5/2024 1:29 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 220814



Manual Peak Response = 214255 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV120

Method Path : I:\8270SIM\sv120\241105RVTical\
Method File : SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 05 16:50:36 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
4 T	Bis(2-chloroethyl)ether	Q	ng/ml	1000.0	962.445	-3.8	10.00	6.181	-38.2
23 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	936.853	-6.3	40.00	44.211	10.5
25 T	Pentachlorophenol	Q	ng/ml	1000.0	978.234	-2.2	10.00	13.695	37.0
32 T	Benzo[a]anthracene	L	ng/ml	1000.0	981.668	-1.8	1.00	0.947	-5.3

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
4 T	Bis(2-chloroethyl)ether	Quadratic	0.994894	-0.125863	1.25758	0.00100738
23 T	4,6-Dinitro-o-cresol	Linear	0.998300	0.000000	0.120923	-0.000655188
25 T	Pentachlorophenol	Quadratic	0.996532	0.018734	0.112024	-0.000194831
32 T	Benzo[a]anthracene	Linear	0.999284	0.000000	1.21688	0.0029462

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: SV120	**Calibration Date**	: 11/23/24 13:43		
Lab File ID	: CCV1123	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2001483-3	**Init. Calib. Times**	: 07:30	09:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	73	0
2-Fluorophenol	1.177	1.212	.05	-3	20	77	0
Phenol-d6	1.447	1.495	.05	-3.3	20	76	0
Bis(2-chloroethyl)ether	1000	979.408	.05	2.1	20	75	0
n-nitrosodi-n-propylamine	0.873	0.883	.05	-1.1	20	74	0
Hexachloroethane	0.524	0.523	.05	0.2	20	74	0
Nitrobenzene-d5	1.277	1.312	.05	-2.7	20	75	0
Naphthalene-d8	1	1	.05	0	20	75	0
Naphthalene	1	0.954	.05	4.6	20	75	0
Hexachlorobutadiene	0.189	0.18	.05	4.8	20	74	0
2-Methylnaphthalene	0.694	0.671	.05	3.3	20	75	0
1-Methylnaphthalene	0.639	0.623	.05	2.5	20	77	0
2-Fluorobiphenyl	0.806	0.758	.05	6	20	76	0
2-Chloronaphthalene	0.689	0.649	.05	5.8	20	75	0
2,6-Dinitrotoluene	0.156	0.161	.05	-3.2	20	79	0
Acenaphthylene	0.994	1.004	.05	-1	20	77	0
Acenaphthene-d10	1	1	.05	0	20	74	0
Acenaphthene	1.207	1.17	.05	3.1	20	77	0
2,4-Dinitrotoluene	0.336	0.383	.05	-14	20	81	0
Fluorene	1.306	1.342	.05	-2.8	20	79	0
2,4,6-Tribromophenol	0.159	0.188	.05	-18.2	20	84	0
Phenanthrene-d10	1	1	.05	0	20	77	0
4,6-Dinitro-o-cresol	1000	951.015	.05	4.9	20	78	0
Hexachlorobenzene	0.211	0.215	.05	-1.9	20	82	0
Pentachlorophenol	1000	915.924	.05	8.4	20	72	0
Phenanthrene	0.953	0.999	.05	-4.8	20	80	0
Anthracene	0.986	1.026	.05	-4.1	20	81	0
Fluoranthene	1.098	1.183	.05	-7.7	20	87	0
Pyrene	1.132	1.242	.05	-9.7	20	88	0
4-Terphenyl-d14	0.727	0.729	.05	-0.3	20	81	0
Chrysene-d12	1	1	.05	0	20	82	0
Benzo[a]anthracene	1000	1019.088	.05	-1.9	20	85	0
3,3'-Dichlorobenzene	0.432	0.499	.05	-15.5	20	92	0
Chrysene	1.059	1.186	.05	-12	20	85	0
Bis(2-ethylhexyl)phthalate	0.708	0.802	.05	-13.3	20	91	0
Perylene-d12	1	1	.05	0	20	79	0
Benzo[b]fluoranthene	1.214	1.179	.05	2.9	20	80	0
Benzo[k]fluoranthene	1.091	1.22	.05	-11.8	20	85	0
Benzo[a]pyrene	0.994	1.087	.05	-9.4	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	1.034	.05	-1.7	20	79	0
Dibenzo[a,h]anthracene	0.955	0.98	.05	-2.6	20	80	0
Benzo[g,h,i]perylene	0.987	0.945	.05	4.3	20	75	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: SV120	**Calibration Date**	: 11/24/24 10:23		
Lab File ID	: CCV1124	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2001670-3	**Init. Calib. Times**	: 07:30	09:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	81	0
2-Fluorophenol	1.177	1.192	.05	-1.3	20	83	0
Phenol-d6	1.447	1.456	.05	-0.6	20	82	0
Bis(2-chloroethyl)ether	1000	971.941	.05	2.8	20	81	0
n-nitrosodi-n-propylamine	0.873	0.895	.05	-2.5	20	83	0
Hexachloroethane	0.524	0.528	.05	-0.8	20	82	0
Nitrobenzene-d5	1.277	1.303	.05	-2	20	82	0
Naphthalene-d8	1	1	.05	0	20	82	0
Naphthalene	1	0.958	.05	4.2	20	83	0
Hexachlorobutadiene	0.189	0.188	.05	0.5	20	85	0
2-Methylnaphthalene	0.694	0.68	.05	2	20	84	0
1-Methylnaphthalene	0.639	0.623	.05	2.5	20	85	0
2-Fluorobiphenyl	0.806	0.771	.05	4.3	20	85	0
2-Chloronaphthalene	0.689	0.664	.05	3.6	20	85	0
2,6-Dinitrotoluene	0.156	0.164	.05	-5.1	20	89	0
Acenaphthylene	0.994	1.026	.05	-3.2	20	86	0
Acenaphthene-d10	1	1	.05	0	20	84	0
Acenaphthene	1.207	1.171	.05	3	20	86	0
2,4-Dinitrotoluene	0.336	0.379	.05	-12.8	20	90	0
Fluorene	1.306	1.329	.05	-1.8	20	88	0
2,4,6-Tribromophenol	0.159	0.191	.05	-20.1*	20	96	0
Phenanthrene-d10	1	1	.05	0	20	87	0
4,6-Dinitro-o-cresol	1000	909.304	.05	9.1	20	84	0
Hexachlorobenzene	0.211	0.218	.05	-3.3	20	94	0
Pentachlorophenol	1000	907.783	.05	9.2	20	80	0
Phenanthrene	0.953	0.975	.05	-2.3	20	89	0
Anthracene	0.986	1.025	.05	-4	20	92	0
Fluoranthene	1.098	1.157	.05	-5.4	20	96	0
Pyrene	1.132	1.21	.05	-6.9	20	97	0
4-Terphenyl-d14	0.727	0.72	.05	1	20	90	0
Chrysene-d12	1	1	.05	0	20	89	0
Benzo[a]anthracene	1000	1018.546	.05	-1.9	20	92	0
3,3'-Dichlorobenzene	0.432	0.496	.05	-14.8	20	99	0
Chrysene	1.059	1.183	.05	-11.7	20	92	0
Bis(2-ethylhexyl)phthalate	0.708	0.853	.05	-20.5*	20	105	0
Perylene-d12	1	1	.05	0	20	87	0
Benzo[b]fluoranthene	1.214	1.175	.05	3.2	20	87	0
Benzo[k]fluoranthene	1.091	1.201	.05	-10.1	20	92	0
Benzo[a]pyrene	0.994	1.082	.05	-8.9	20	92	0
Indeno[1,2,3-cd]pyrene	1.017	1.038	.05	-2.1	20	87	0
Dibenzo[a,h]anthracene	0.955	1.026	.05	-7.4	20	92	0
Benzo[g,h,i]perylene	0.987	0.974	.05	1.3	20	85	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : ccv1123.D
Acq On : 23 Nov 2024 01:43 pm
Operator : SV120:rp
Sample : WG2001483-3,32,,ICV 10884 (1123a)
Misc : WG2001483,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 23 13:58:55 2024
Quant Method : I:\8270SIM\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:03 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	73	0.00
2	s	2-Fluorophenol	1.177	1.212	-3.0	77	0.00
3	s	Phenol-d6	1.447	1.495	-3.3	76	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	979.408	2.1	75	0.00
5	T	n-nitrosodi-n-propylamine	0.873	0.883	-1.1	74	0.00
6	t	Hexachloroethane	0.524	0.523	0.2	74	0.00
7	s	Nitrobenzene-d5	1.277	1.312	-2.7	75	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	75	0.00
9	t	Naphthalene	1.000	0.954	4.6	75	0.00
10	t	Hexachlorobutadiene	0.189	0.180	4.8	74	0.00
11	t	2-Methylnaphthalene	0.694	0.671	3.3	75	0.00
12	t	1-Methylnaphthalene	0.639	0.623	2.5	77	0.00
13	s	2-Fluorobiphenyl	0.806	0.758	6.0	76	0.00
14	t	2-Chloronaphthalene	0.689	0.649	5.8	75	0.00
15	t	2,6-Dinitrotoluene	0.156	0.161	-3.2	79	0.00
16	t	Acenaphthylene	0.994	1.004	-1.0	77	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	74	0.00
18	t	Acenaphthene	1.207	1.170	3.1	77	0.00
19	t	2,4-Dinitrotoluene	0.336	0.383	-14.0	81	0.00
20	t	Fluorene	1.306	1.342	-2.8	79	0.00
21	s	2,4,6-Tribromophenol	0.159	0.188	-18.2	84	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	77	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	951.015	4.9	78	0.00
24	t	Hexachlorobenzene	0.211	0.215	-1.9	82	0.00
25	t	Pentachlorophenol	*1000.000	915.924	8.4	72	0.00
26	t	Phenanthrene	0.953	0.999	-4.8	80	0.00
27	t	Anthracene	0.986	1.026	-4.1	81	0.00
28	t	Fluoranthene	1.098	1.183	-7.7	87	0.00
29	t	Pyrene	1.132	1.242	-9.7	88	0.00
30	s	4-Terphenyl-d14	0.727	0.729	-0.3	81	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	82	0.00
32	t	Benzo[a]anthracene	*1000.000	1019.088	-1.9	85	0.00
33	t	3,3'-Dichlorobenzene	0.432	0.499	-15.5	92	0.00
34	t	Chrysene	1.059	1.186	-12.0	85	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.708	0.802	-13.3	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : ccv1123.D
Acq On : 23 Nov 2024 01:43 pm
Operator : SV120:rp
Sample : WG2001483-3,32,,ICV 10884 (1123a)
Misc : WG2001483,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 23 13:58:55 2024
Quant Method : I:\8270SIM\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:03 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	79	0.00
37	t	Benzo[b]fluoranthene	1.214	1.179	2.9	80	0.00
38	t	Benzo[k]fluoranthene	1.091	1.220	-11.8	85	0.00
39	t	Benzo[a]pyrene	0.994	1.087	-9.4	84	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.017	1.034	-1.7	79	0.00
41	t	Dibenzo[a,h]anthracene	0.955	0.980	-2.6	80	0.00
42	t	Benzo[g,h,i]perylene	0.987	0.945	4.3	75	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\241123RVT\
Data File : ccv1123.D
Acq On : 23 Nov 2024 01:43 pm
Operator : SV120:rp
Sample : WG2001483-3,32,,ICV 10884 (1123a)
Misc : WG2001483,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 23 13:58:55 2024
Quant Method : I:\8270SIM\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:03 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	2.287	152	197300	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.949	136	788071	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.929	164	454891	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.768	188	895540	4000.000	ng/ml	0.00
31) Chrysene-d12	6.350	240	800941	4000.000	ng/ml	0.00
36) Perylene-d12	7.584	264	758213	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.707	112	59758	1028.984	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.45%			
3) Phenol-d6	2.104	99	73764	1033.713	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.69%			
7) Nitrobenzene-d5	2.567	82	64690	1026.896	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 102.69%			
13) 2-Fluorobiphenyl	3.545	172	149395	940.536	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.05%			
21) 2,4,6-Tribromophenol	4.375	330	21335	1178.185	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 58.91%			
30) 4-Terphenyl-d14	5.691	244	163240	1002.466	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 50.12%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.152	93	59463	979.408	ng/ml	98
5) n-nitrosodi-n-propylamine	2.486	70	43569	1012.366	ng/ml	99
6) Hexachloroethane	2.544	117	25804	999.000	ng/ml	100
9) Naphthalene	2.962	128	187931	953.960	ng/ml	100
10) Hexachlorobutadiene	3.032	225	35432	949.203	ng/ml	100
11) 2-Methylnaphthalene	3.339	142	132209	966.662	ng/ml	99
12) 1-Methylnaphthalene	3.395	142	122769	975.906	ng/ml	100
14) 2-Chloronaphthalene	3.612	162	127940	942.338	ng/ml	99
15) 2,6-Dinitrotoluene	3.807	165	31633	1029.359	ng/ml	99
16) Acenaphthylene	3.846	152	197752	1010.237	ng/ml	100
18) Acenaphthene	3.946	153	133085	969.260	ng/ml	92
19) 2,4-Dinitrotoluene	4.035	165	43597	1140.399	ng/ml#	90
20) Fluorene	4.237	166	152618	1027.239	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.267	198	25160	951.015	ng/ml	100
24) Hexachlorobenzene	4.554	284	48192	1018.770	ng/ml	99
25) Pentachlorophenol	4.668	266	23677	915.924	ng/ml	100
26) Phenanthrene	4.782	178	223624	1047.862	ng/ml	100
27) Anthracene	4.810	178	229634	1040.018	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : ccv1123.D
Acq On : 23 Nov 2024 01:43 pm
Operator : SV120:rp
Sample : WG2001483-3,32,,ICV 10884 (1123a)
Misc : WG2001483,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 23 13:58:55 2024
Quant Method : I:\8270SIM\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:03 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.466	202	264955	1077.928	ng/ml	99
29) Pyrene	5.598	202	278004	1096.836	ng/ml	100
32) Benzo[a]anthracene	6.340	228	250673	1019.088	ng/ml	99
33) 3,3'-Dichlorobenzene	6.326	252	99987	1154.879	ng/ml	99
34) Chrysene	6.365	228	237414	1119.671	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.363	149	160615	1133.224	ng/ml	99
37) Benzo[b]fluoranthene	7.199	252	223557	971.706	ng/ml	97
38) Benzo[k]fluoranthene	7.225	252	231232	1118.006	ng/ml	97
39) Benzo[a]pyrene	7.518	252	205960	1092.952	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.828	276	196065	1017.512	ng/ml	99
41) Dibenzo[a,h]anthracene	8.866	278	185697M6	1025.825	ng/ml	
42) Benzo[g,h,i]perylene	9.175	276	179121	957.120	ng/ml	97

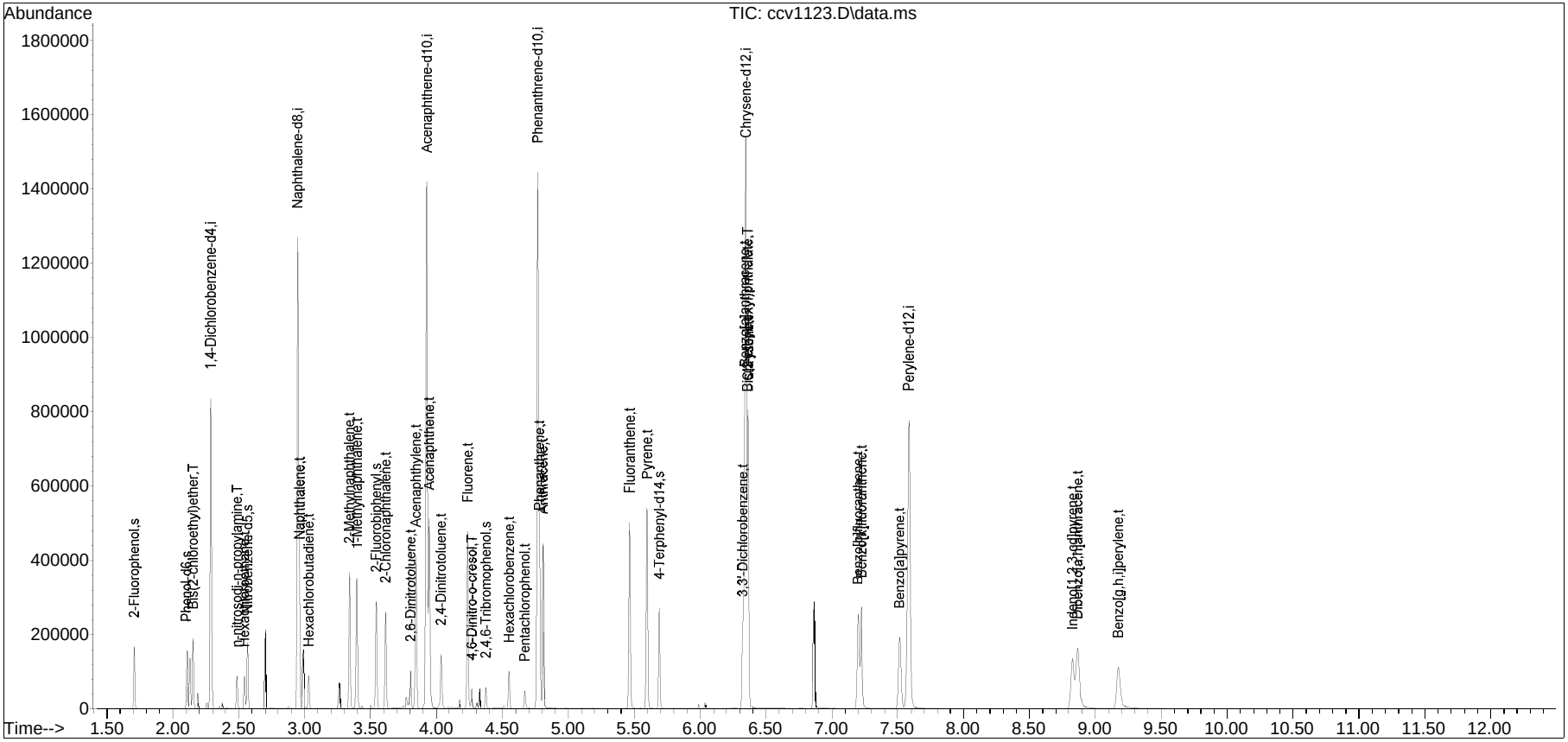
(#) = qualifier out of range (m) = manual integration (+) = signals summed

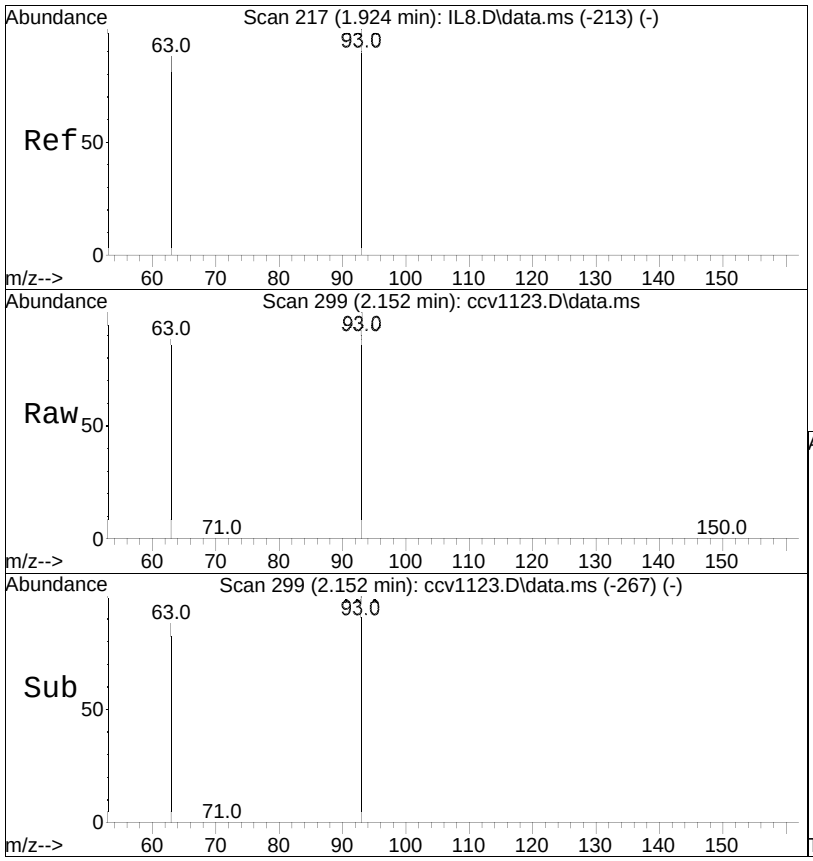
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : ccv1123.D
Acq On : 23 Nov 2024 01:43 pm
Operator : SV120:rp
Sample : WG2001483-3,32,,ICV 10884 (1123a)
Misc : WG2001483,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 23 13:58:55 2024
Quant Method : I:\8270SIM\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:03 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

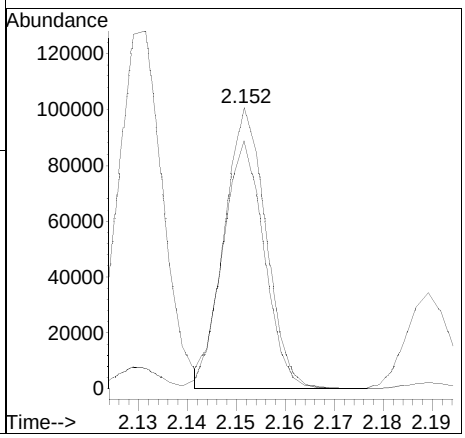


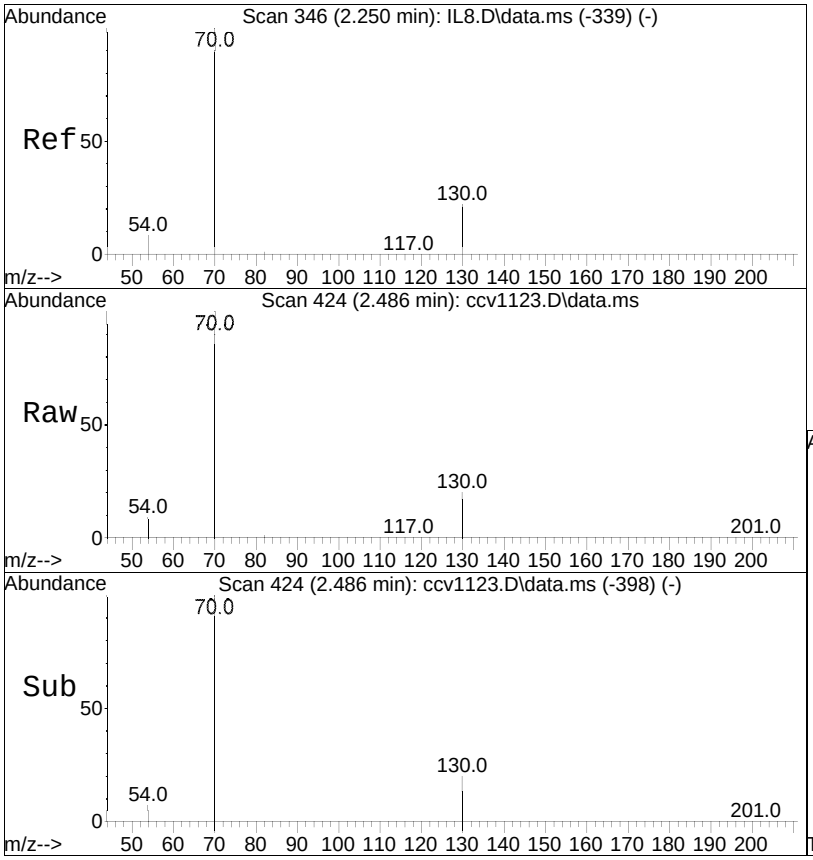


#4
Bis(2-chloroethyl)ether
Concen: 979.41 ng/ml
RT: 2.152 min Scan# 299
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion: 93 Resp: 59463

Ion	Ratio	Lower	Upper
93	100		
63	87.9	68.7	103.1

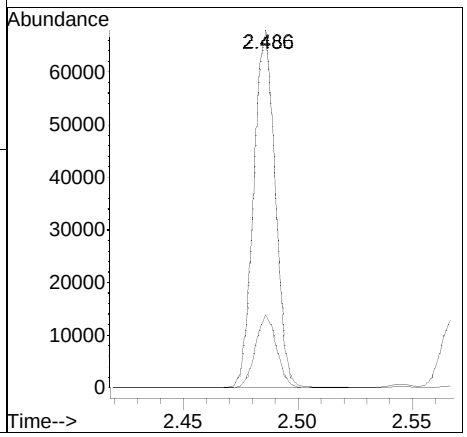


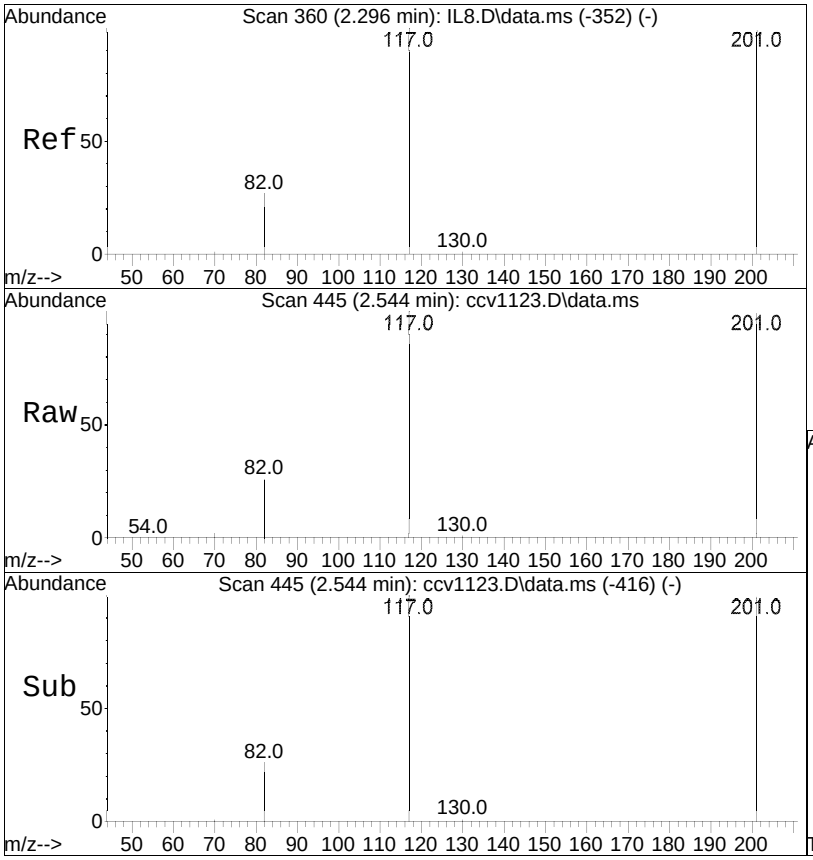


#5
n-nitrosodi-n-propylamine
Concen: 1012.37 ng/ml
RT: 2.486 min Scan# 424
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion: 70 Resp: 43569

Ion	Ratio	Lower	Upper
70	100		
130	20.2	16.6	24.8

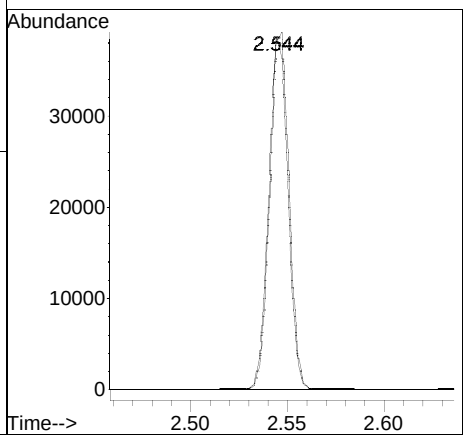


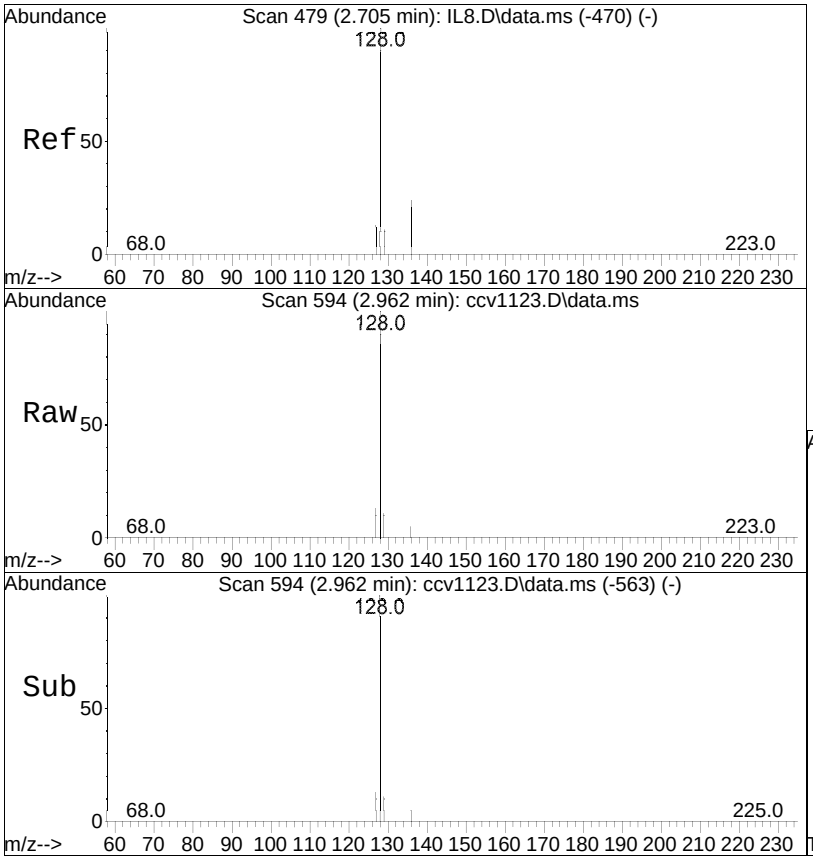


#6
Hexachloroethane
Concen: 999.00 ng/ml
RT: 2.544 min Scan# 445
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:117 Resp: 25804

Ion	Ratio	Lower	Upper
117	100		
201	102.4	82.0	123.0

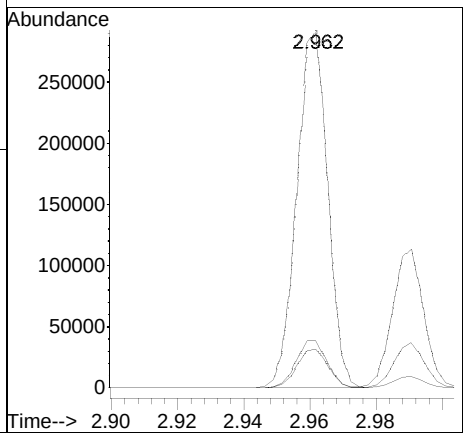


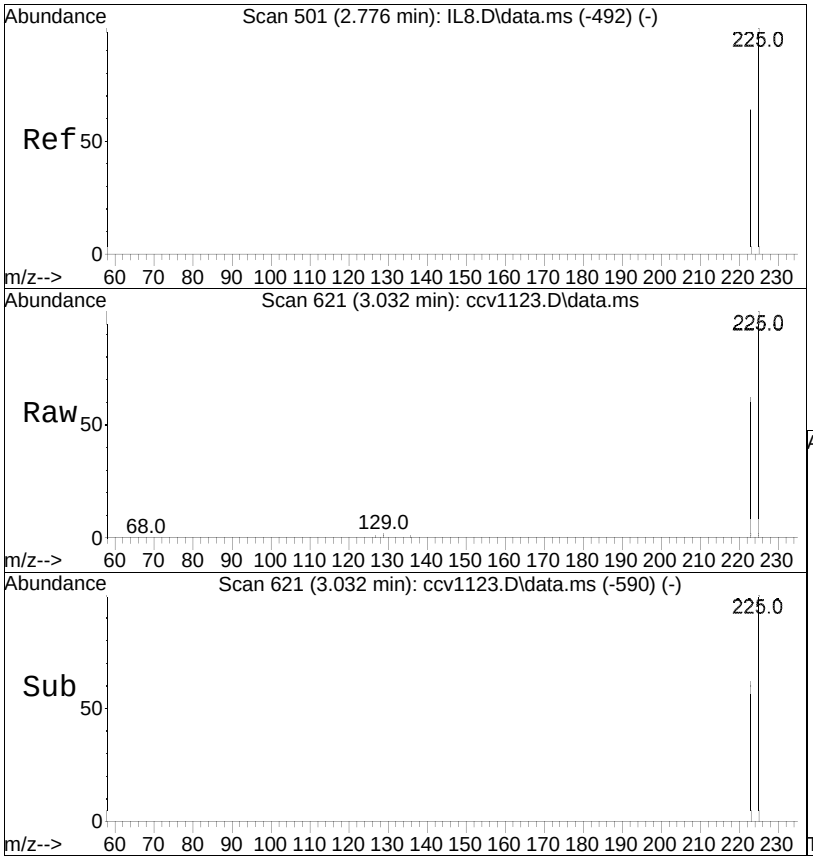


#9
Naphthalene
Concen: 953.96 ng/ml
RT: 2.962 min Scan# 594
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:128 Resp: 187931

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

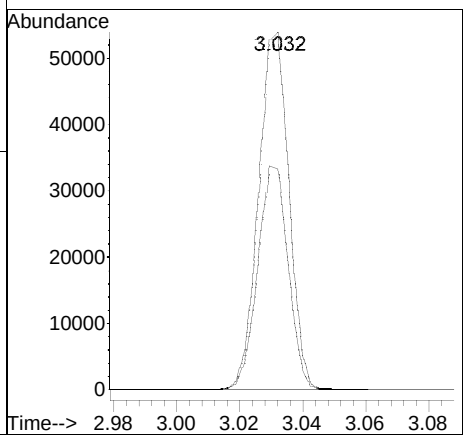


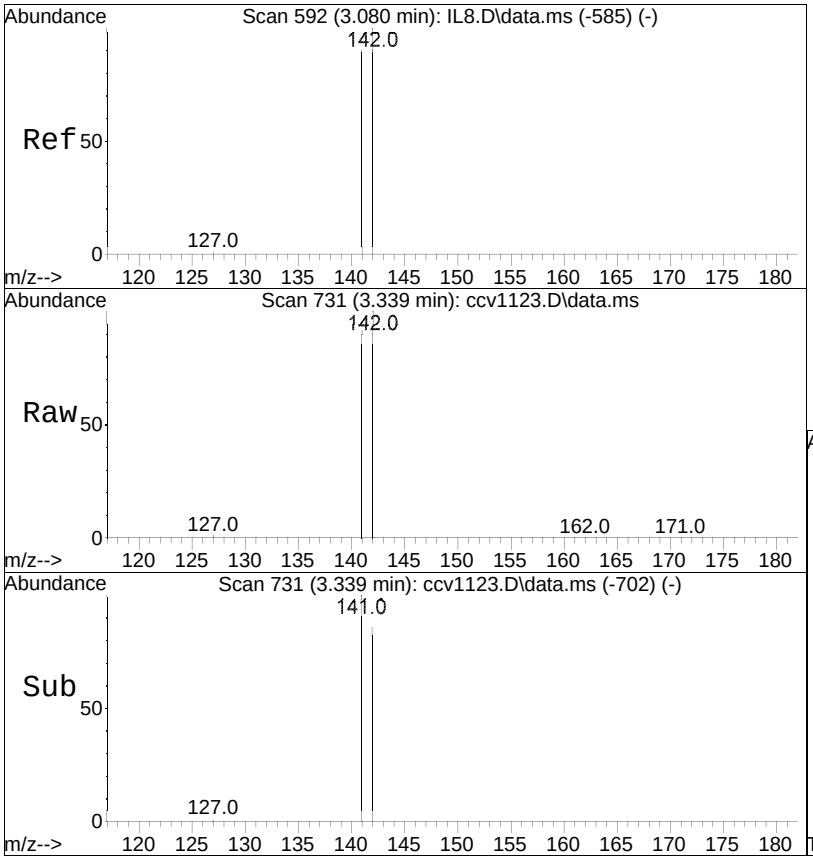


#10
Hexachlorobutadiene
Concen: 949.20 ng/ml
RT: 3.032 min Scan# 621
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:225 Resp: 35432

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7

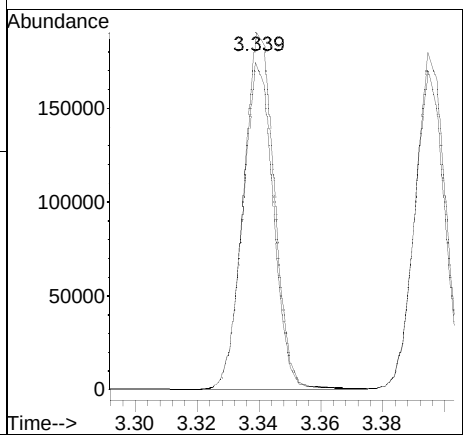


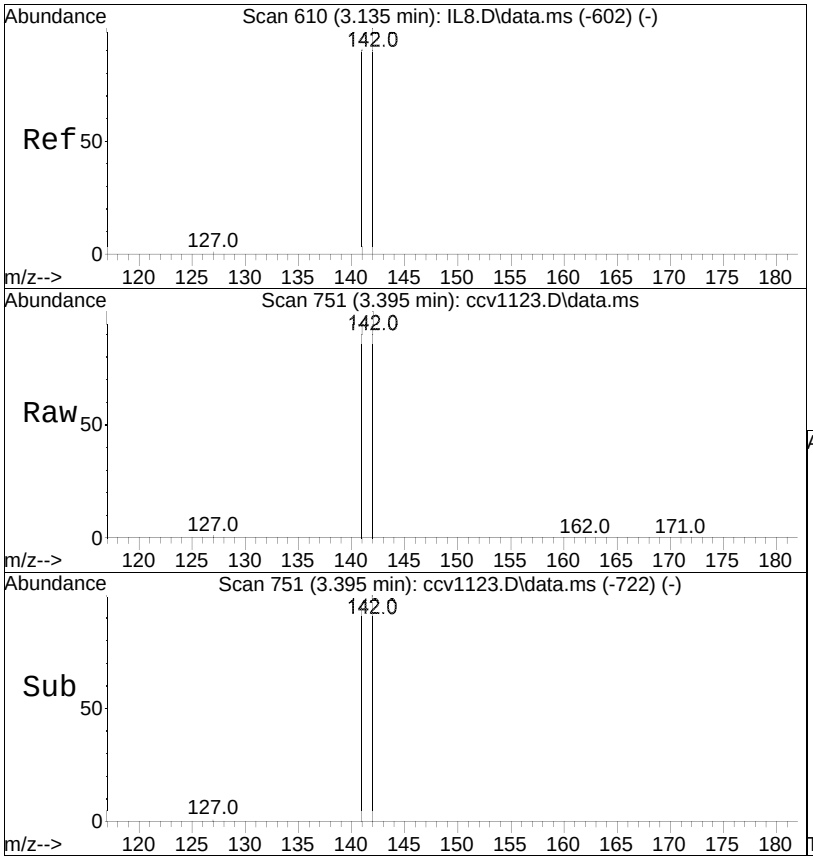


#11
2-Methylnaphthalene
Concen: 966.66 ng/ml
RT: 3.339 min Scan# 731
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:142 Resp: 132209

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.2	108.2

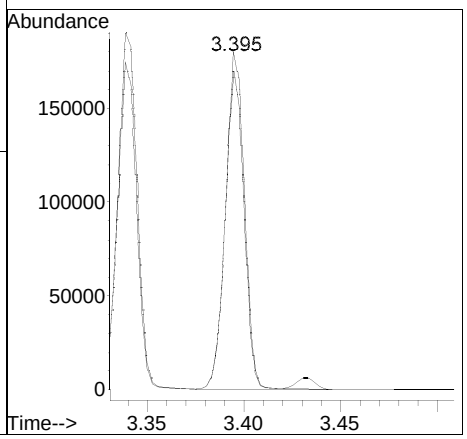


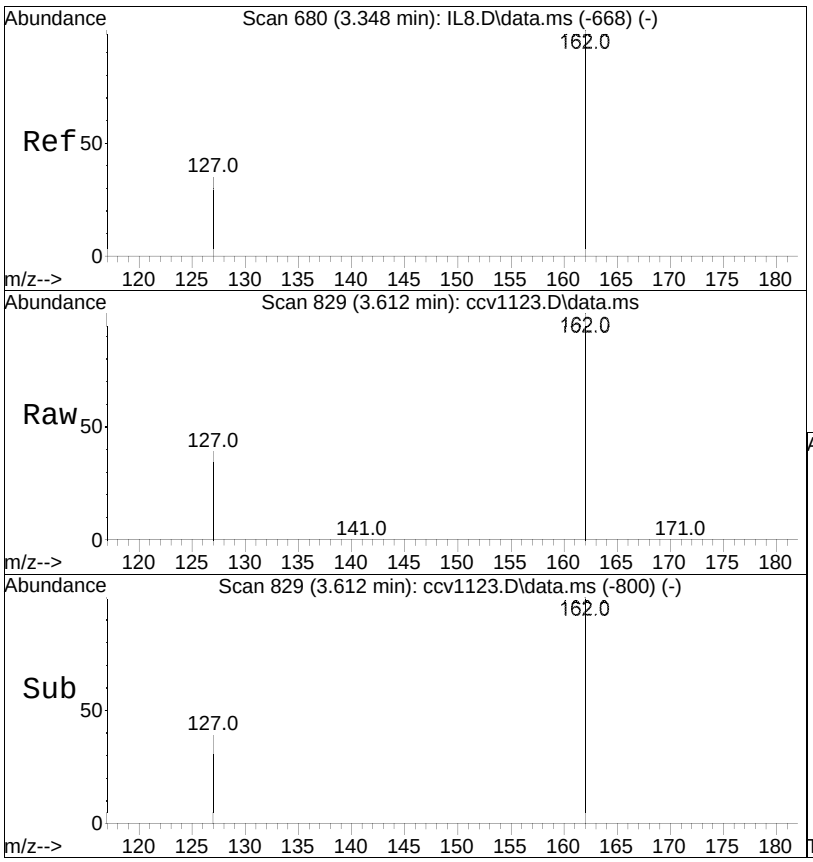


#12
1-Methylnaphthalene
Concen: 975.91 ng/ml
RT: 3.395 min Scan# 751
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:142 Resp: 122769

Ion	Ratio	Lower	Upper
142	100		
141	93.5	74.6	112.0

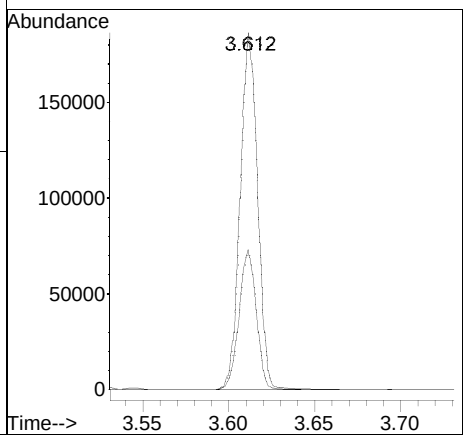


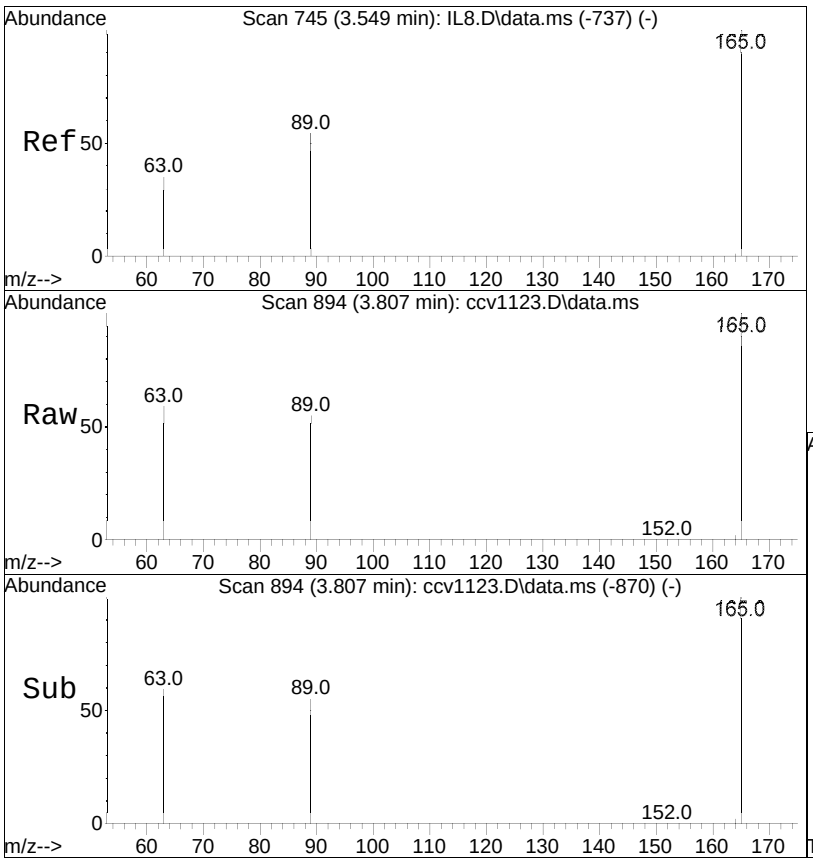


#14
2-Chloronaphthalene
Concen: 942.34 ng/ml
RT: 3.612 min Scan# 829
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:162 Resp: 127940

Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.0	46.4

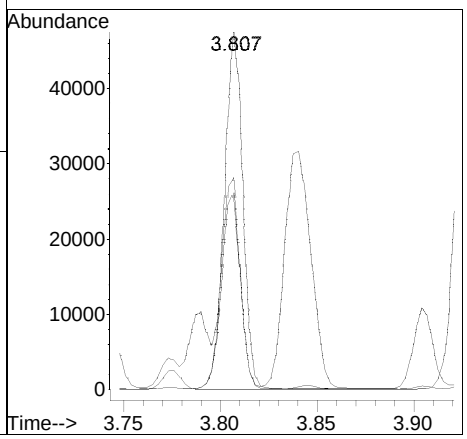


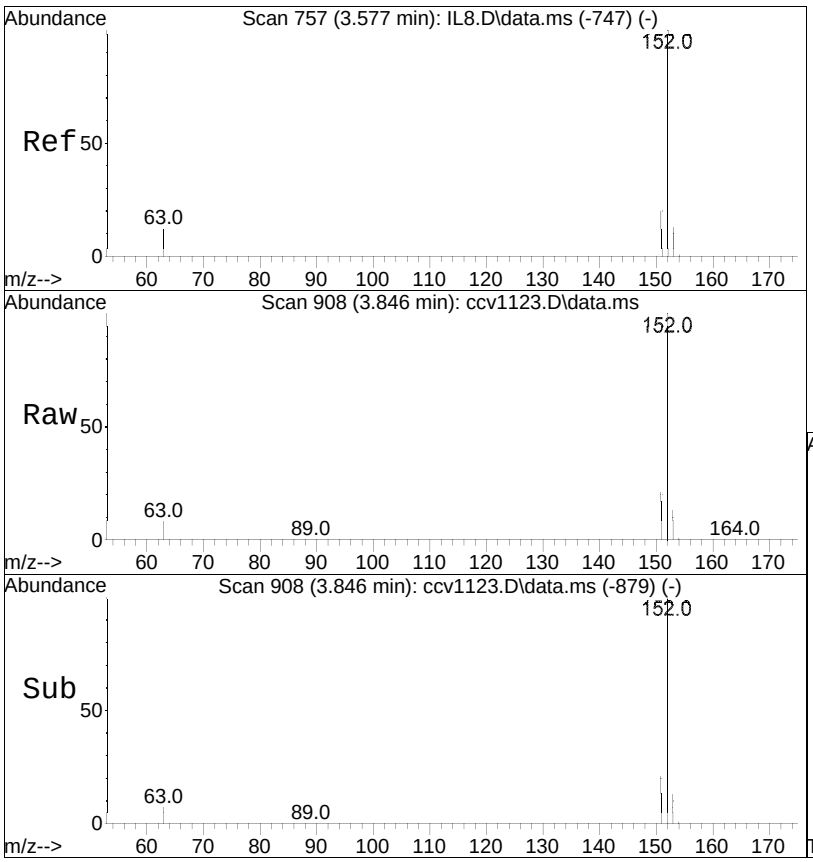


#15
2,6-Dinitrotoluene
Concen: 1029.36 ng/ml
RT: 3.807 min Scan# 894
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:165 Resp: 31633

Ion	Ratio	Lower	Upper
165	100		
89	56.5	45.8	68.8
63	59.3	46.3	69.5

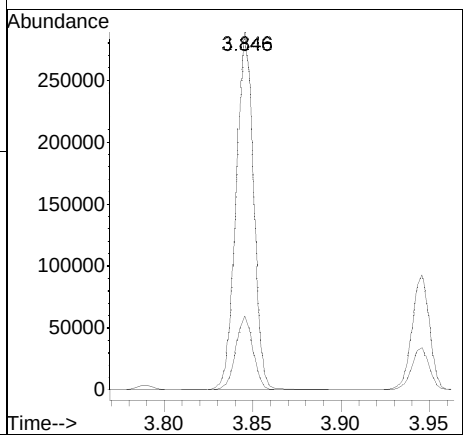


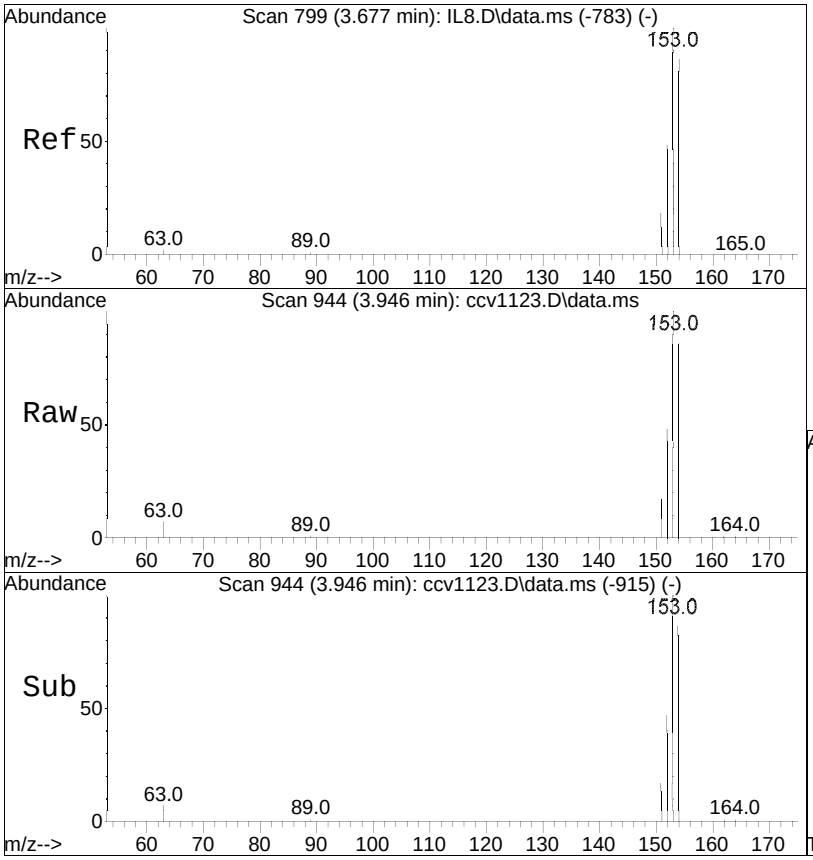


#16
Acenaphthylene
Concen: 1010.24 ng/ml
RT: 3.846 min Scan# 908
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:152 Resp: 197752

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6

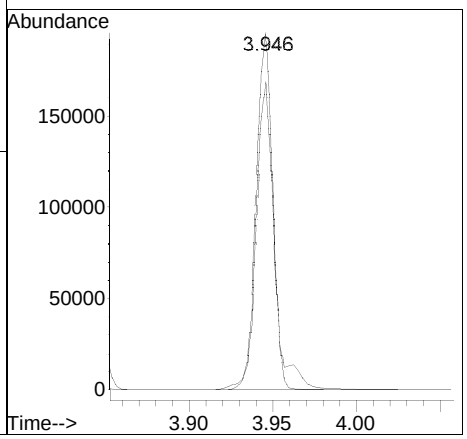


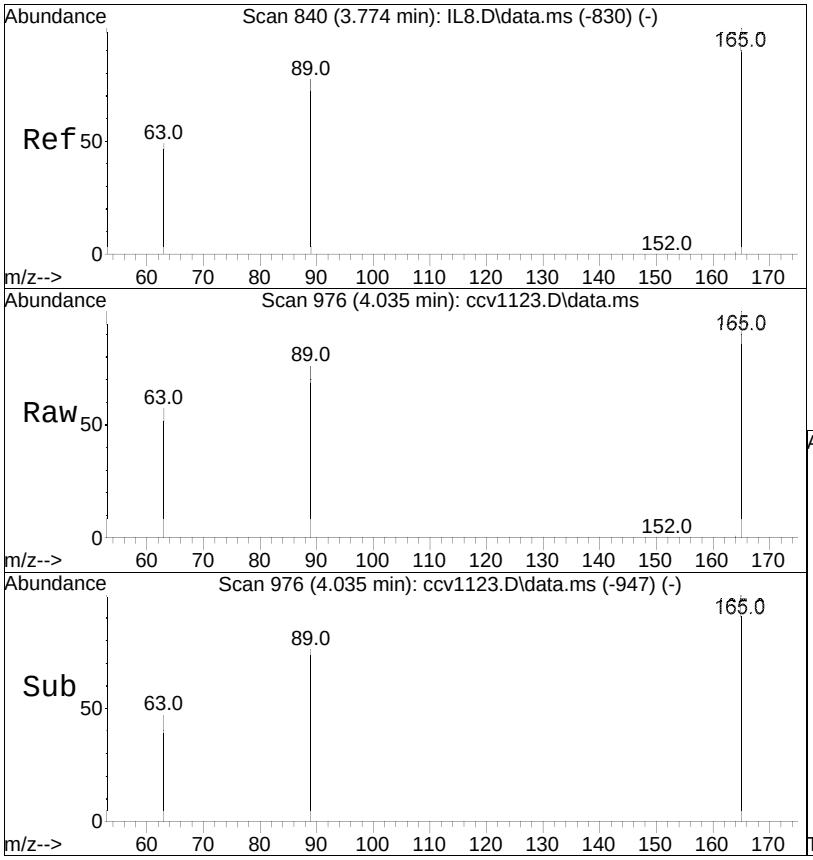


#18
Acenaphthene
Concen: 969.26 ng/ml
RT: 3.946 min Scan# 944
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:153 Resp: 133085

Ion	Ratio	Lower	Upper
153	100		
154	95.0	69.8	104.6

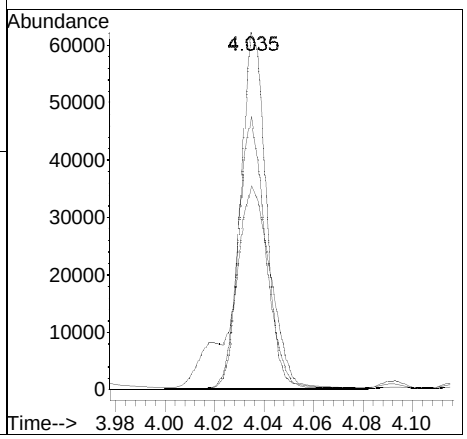


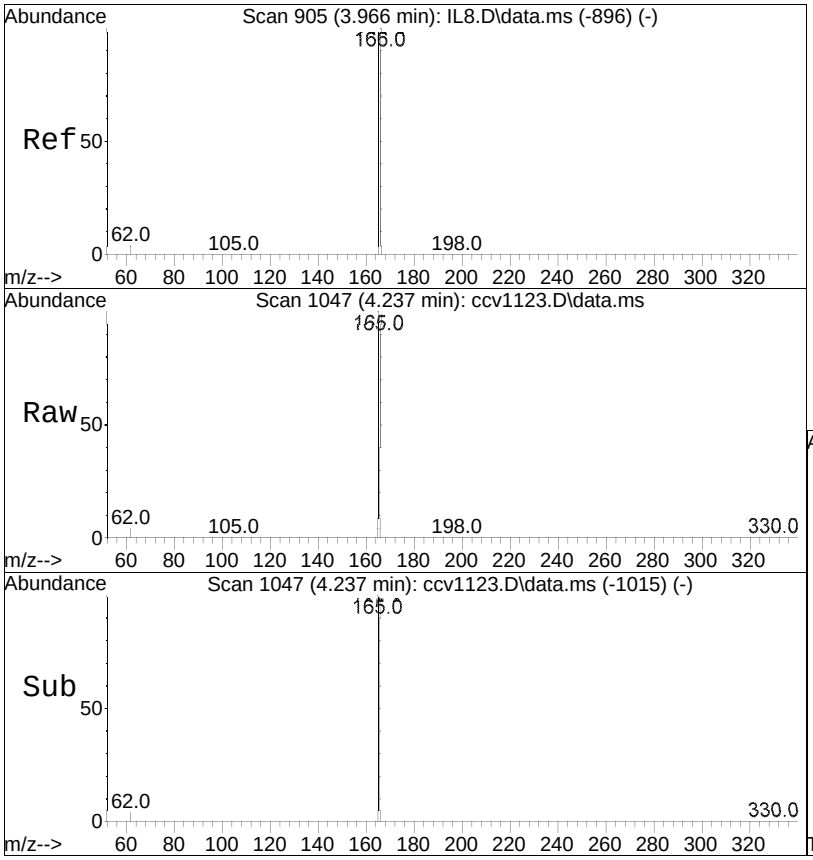


#19
2,4-Dinitrotoluene
Concen: 1140.40 ng/ml
RT: 4.035 min Scan# 976
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:165 Resp: 43597

Ion	Ratio	Lower	Upper
165	100		
89	83.0	65.9	98.9
63	86.7	55.7	83.5#

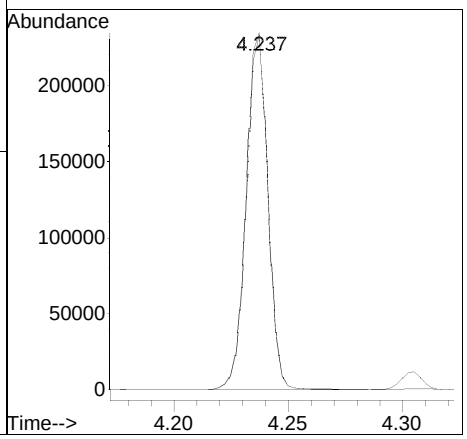


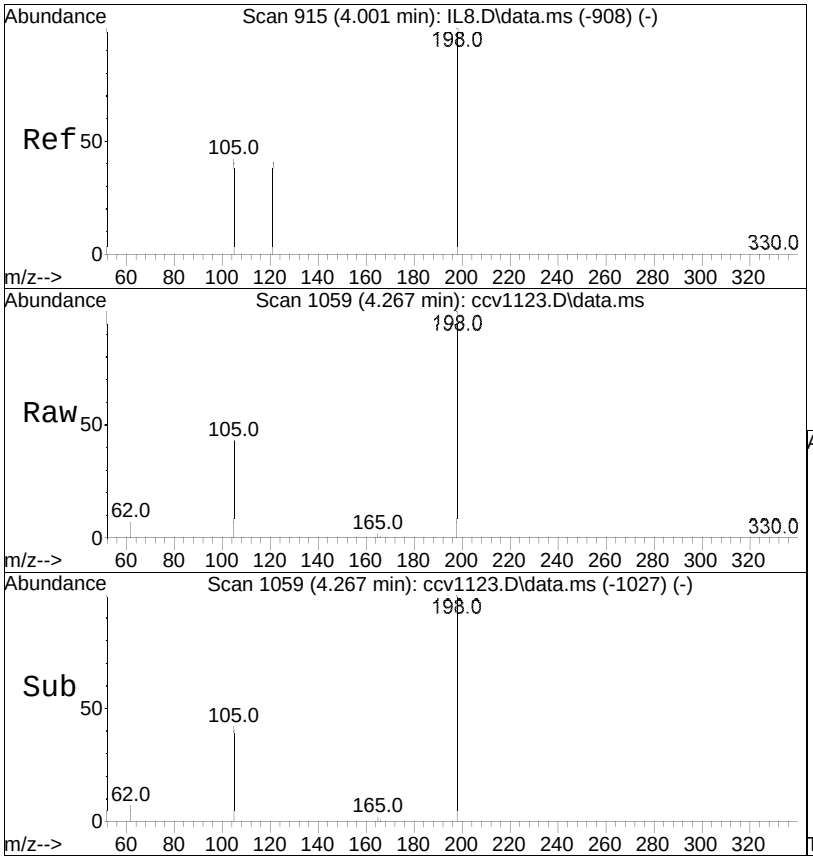


#20
Fluorene
Concen: 1027.24 ng/ml
RT: 4.237 min Scan# 1047
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:166 Resp: 152618

Ion	Ratio	Lower	Upper
166	100		
165	101.6	80.1	120.1

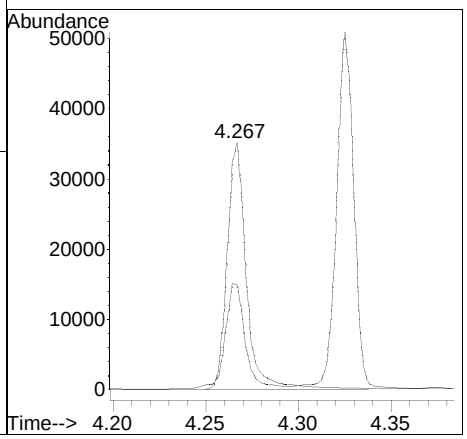


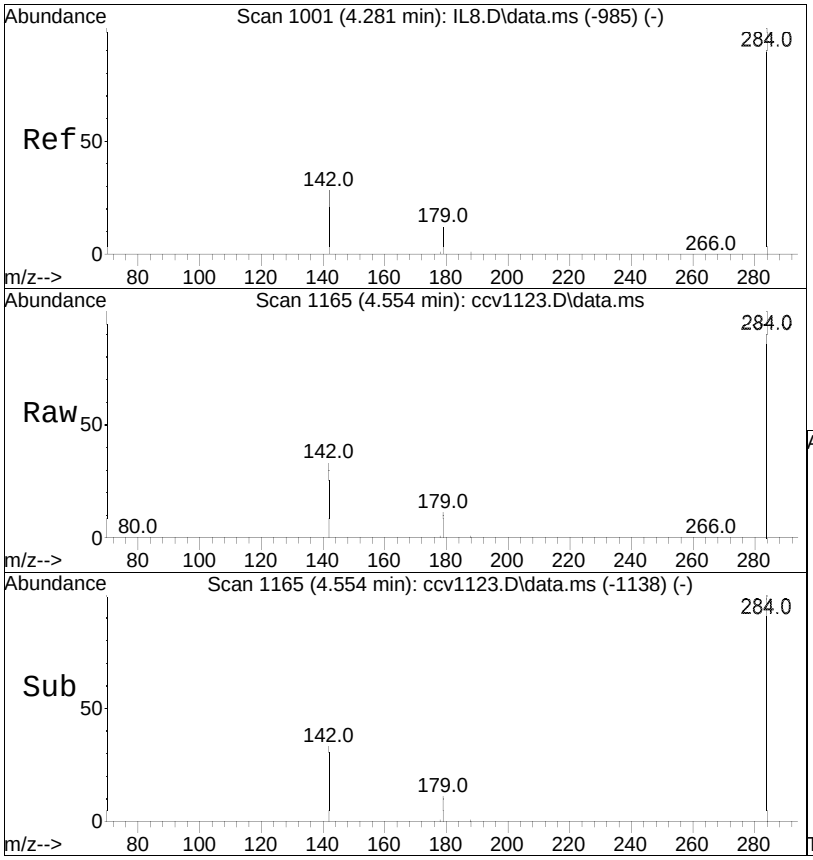


#23
4,6-Dinitro-o-cresol
Concen: 951.01 ng/ml
RT: 4.267 min Scan# 1059
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:198 Resp: 25160

Ion	Ratio	Lower	Upper
198	100		
105	44.5	35.4	53.2

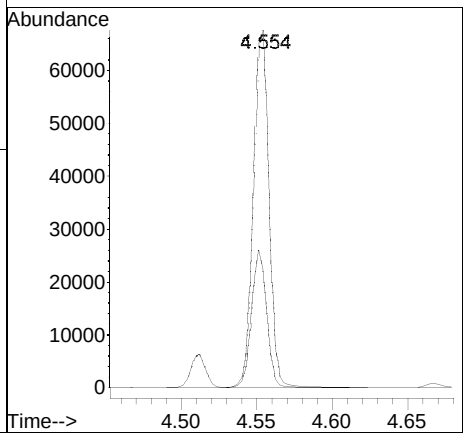


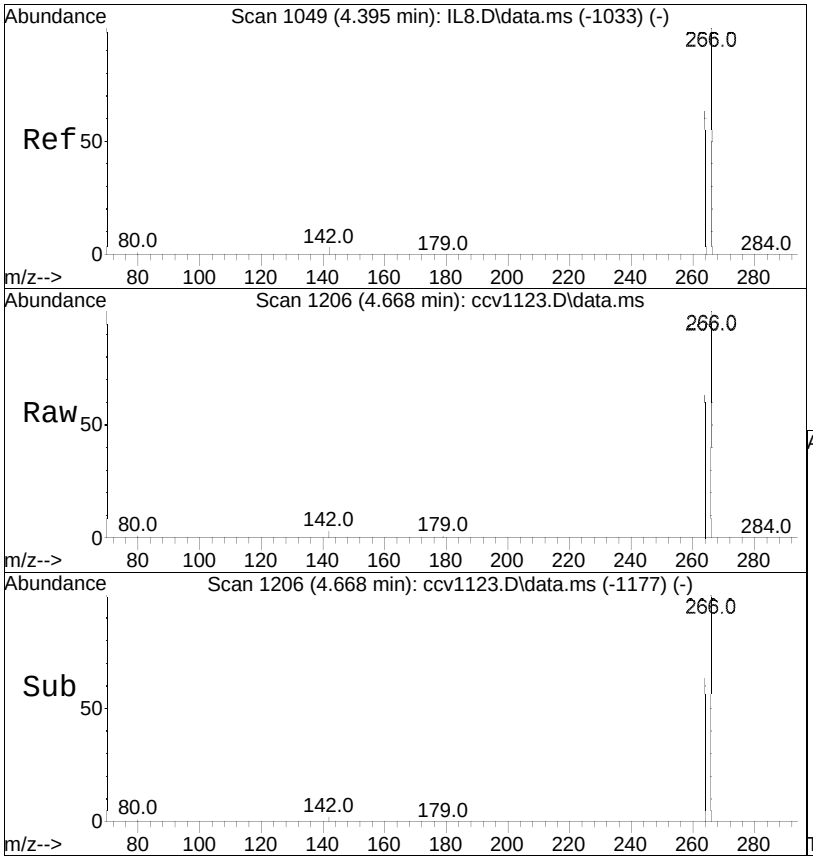


#24
Hexachlorobenzene
Concen: 1018.77 ng/ml
RT: 4.554 min Scan# 1165
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:284 Resp: 48192

Ion	Ratio	Lower	Upper
284	100		
142	37.1	30.2	45.2

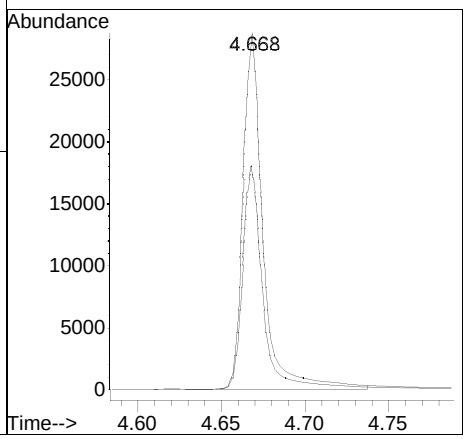


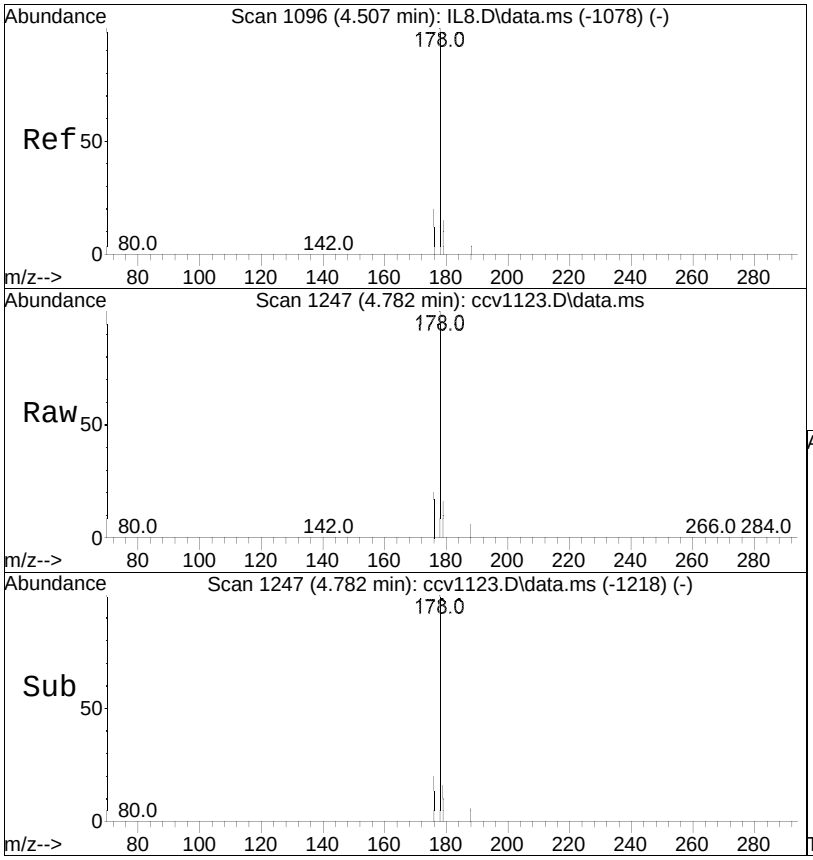


#25
Pentachlorophenol
Concen: 915.92 ng/ml
RT: 4.668 min Scan# 1206
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:266 Resp: 23677

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.3	75.5

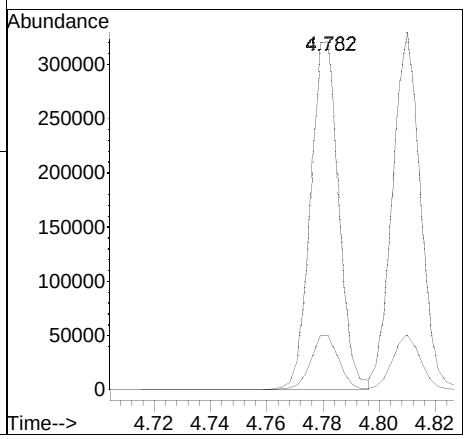


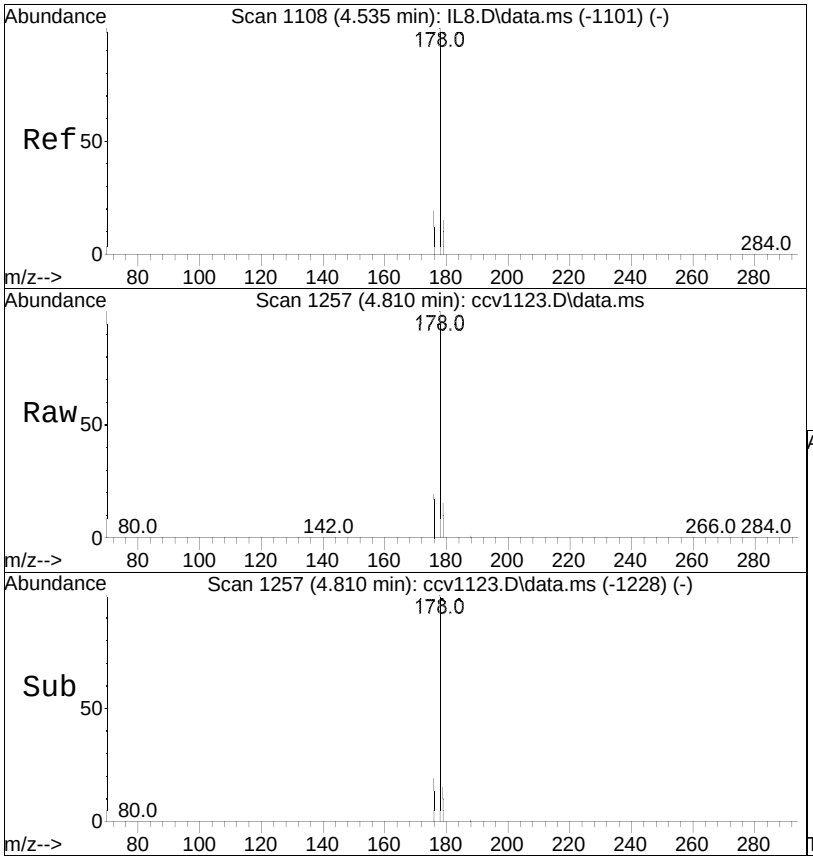


#26
Phenanthrene
Concen: 1047.86 ng/ml
RT: 4.782 min Scan# 1247
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:178 Resp: 223624

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

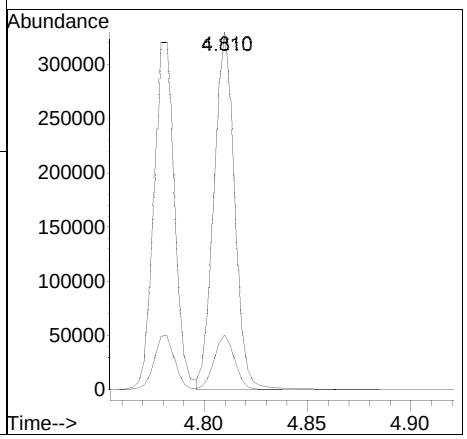


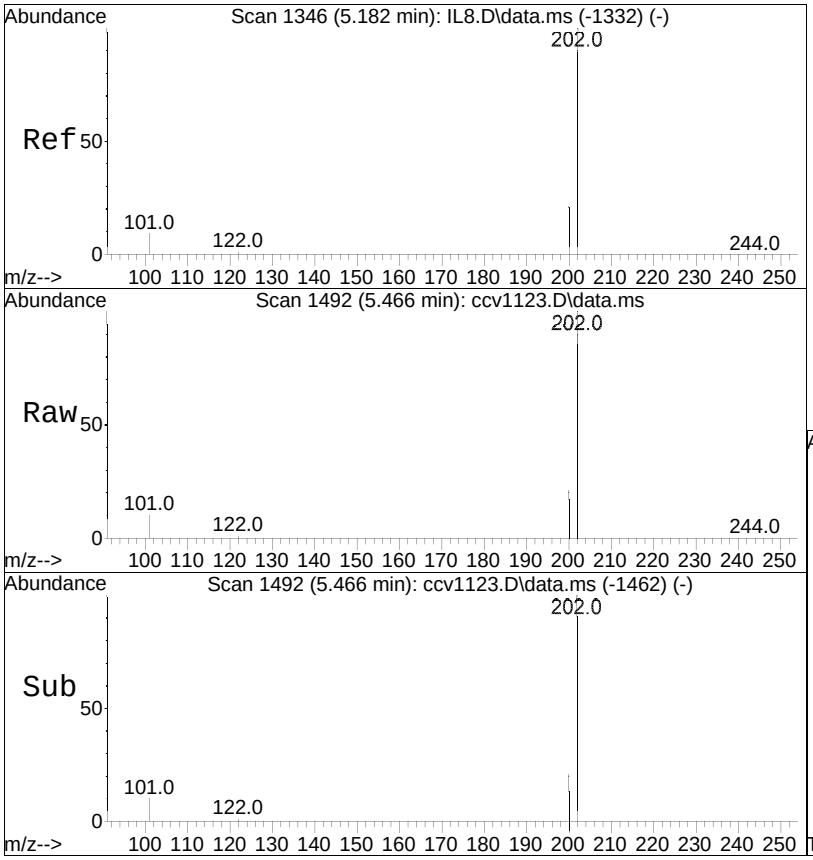


#27
Anthracene
Concen: 1040.02 ng/ml
RT: 4.810 min Scan# 1257
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:178 Resp: 229634

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

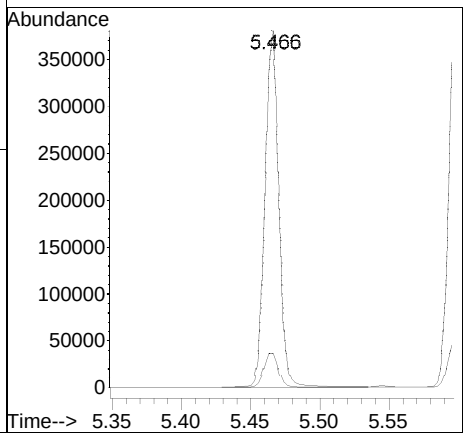


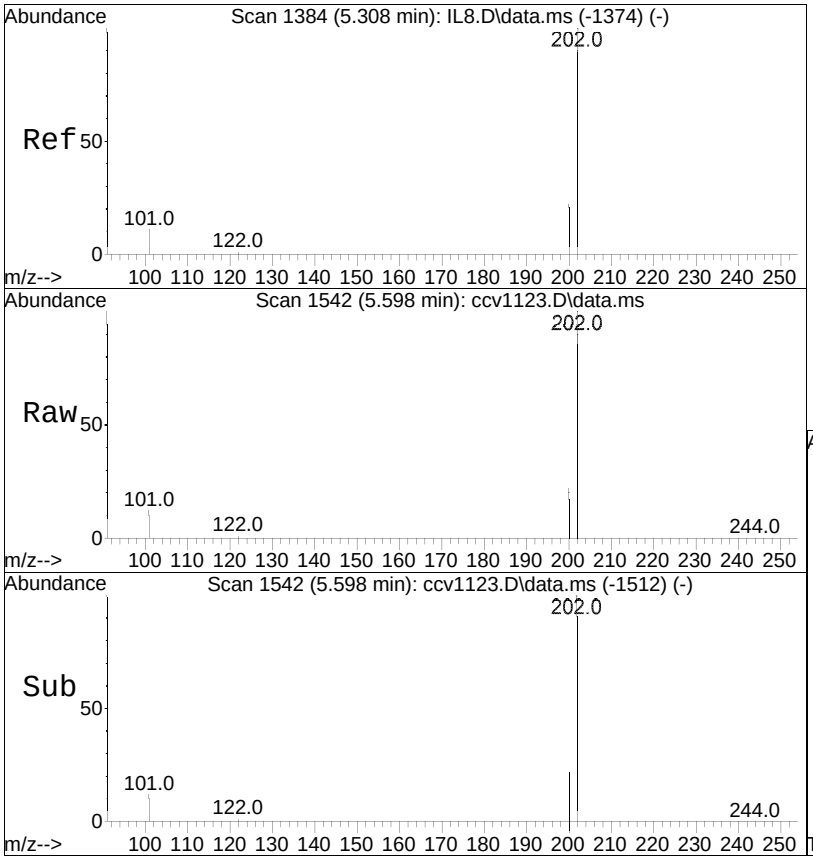


#28
Fluoranthene
Concen: 1077.93 ng/ml
RT: 5.466 min Scan# 1492
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:202 Resp: 264955

Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.8	11.6

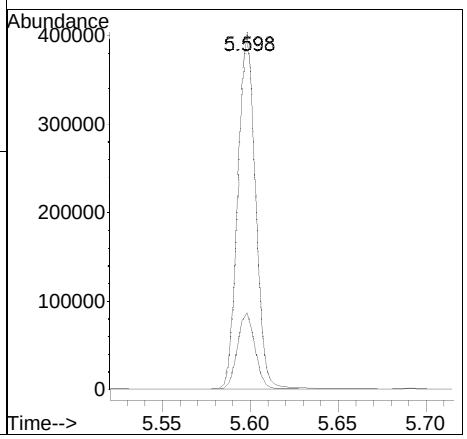


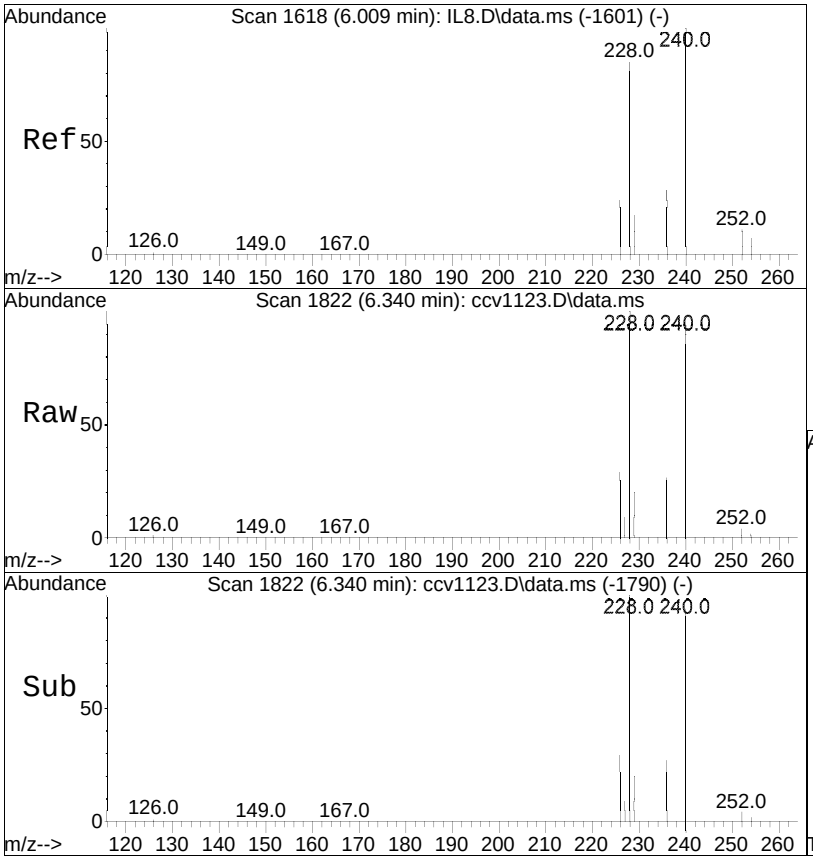


#29
Pyrene
Concen: 1096.84 ng/ml
RT: 5.598 min Scan# 1542
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:202 Resp: 278004

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3

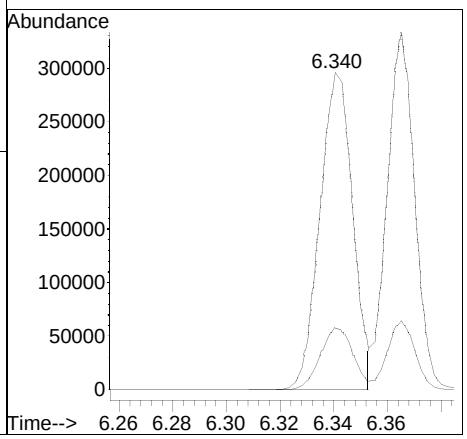


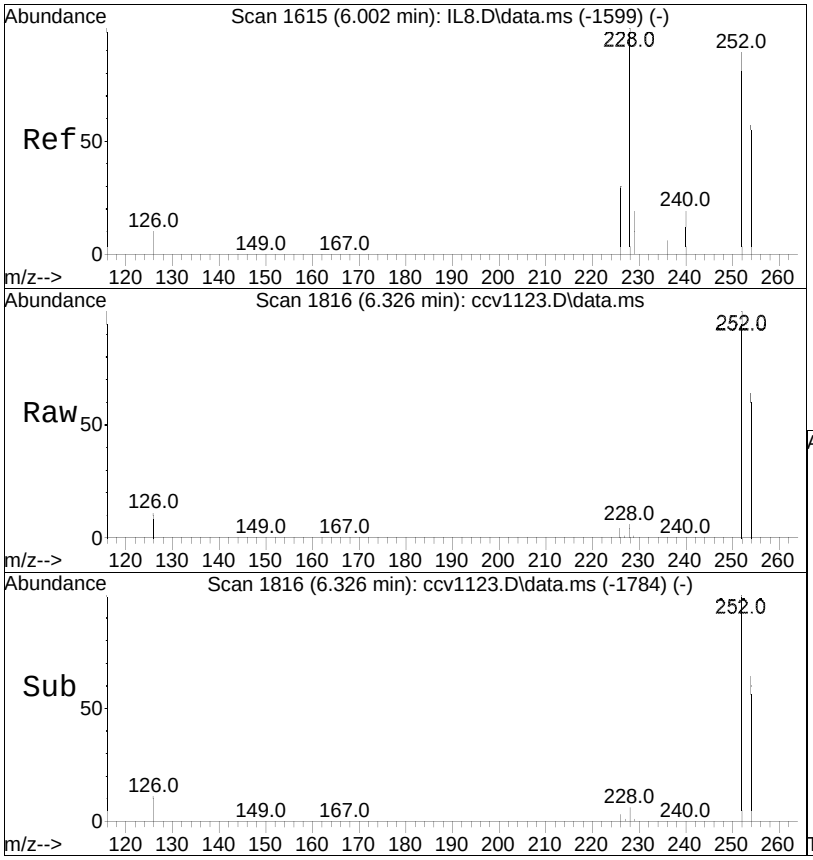


#32
Benzo[a]anthracene
Concen: 1019.09 ng/ml
RT: 6.340 min Scan# 1822
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:228 Resp: 250673

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

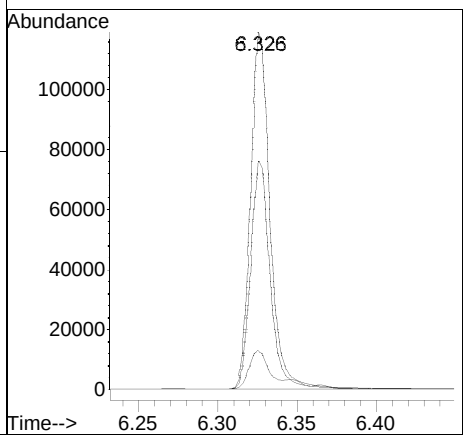


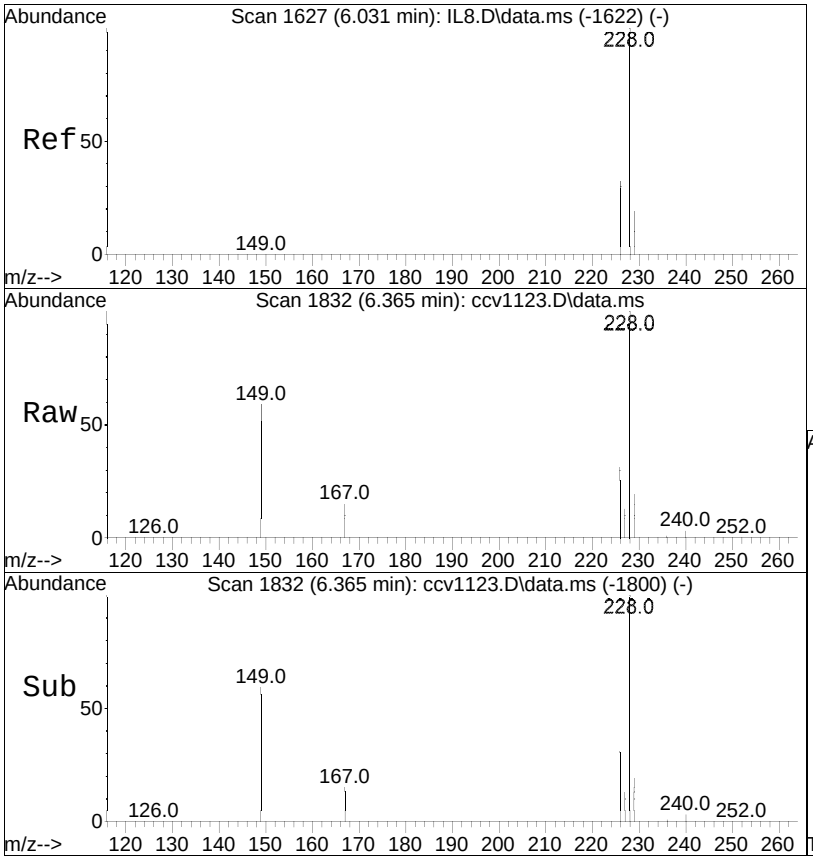


#33
3,3'-Dichlorobenzene
Concen: 1154.88 ng/ml
RT: 6.326 min Scan# 1816
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:252 Resp: 99987

Ion	Ratio	Lower	Upper
252	100		
126	11.4	10.9	16.3
254	64.3	51.4	77.2

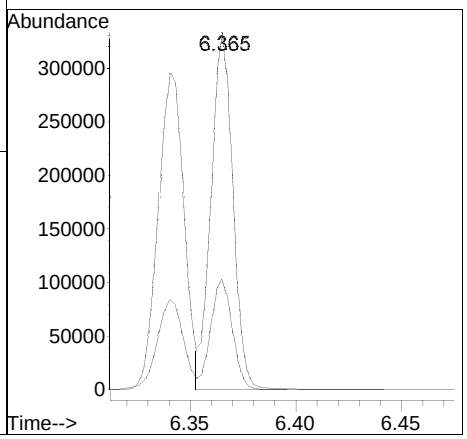


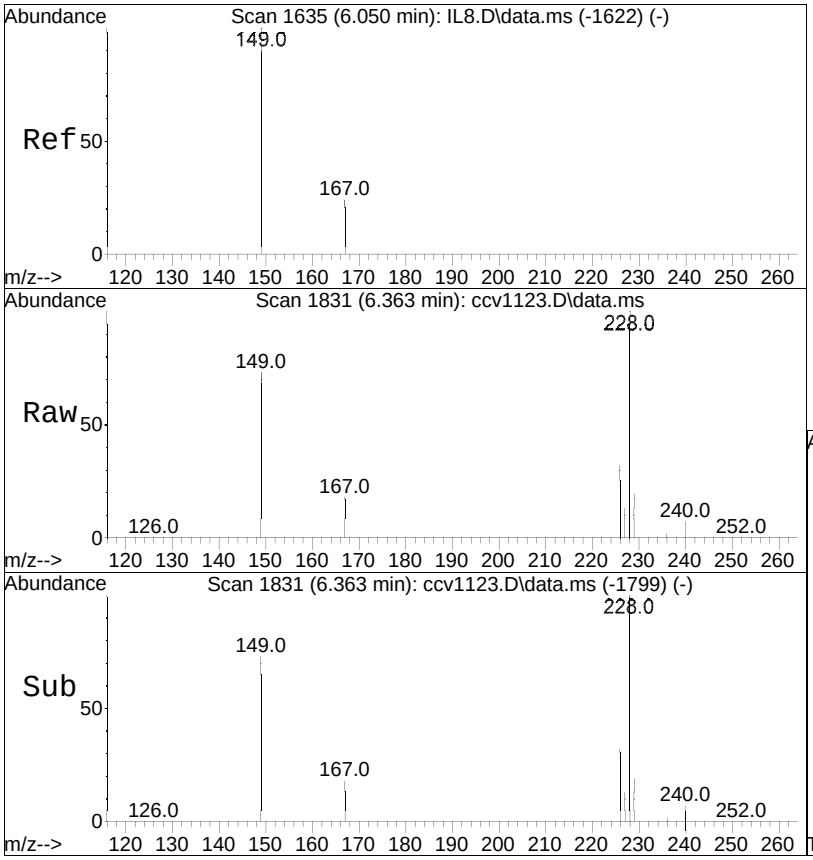


#34
Chrysene
Concen: 1119.67 ng/ml
RT: 6.365 min Scan# 1832
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:228 Resp: 237414

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3

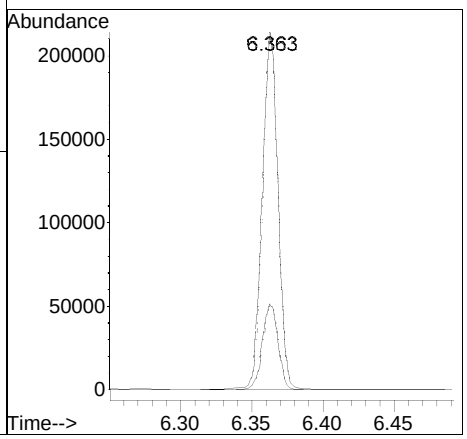


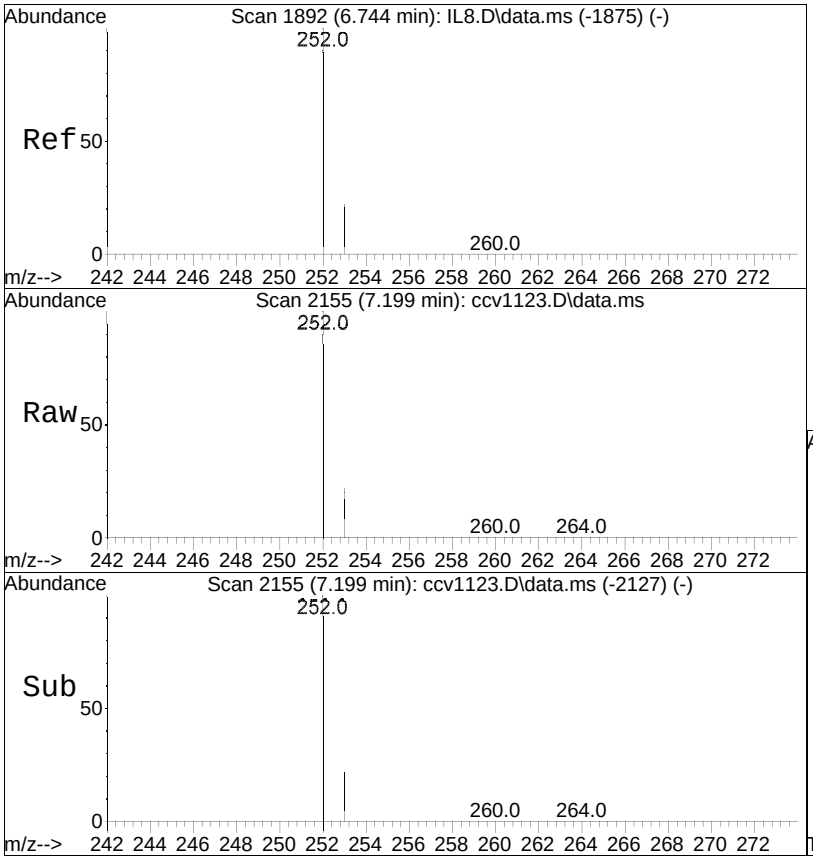


#35
Bis(2-ethylhexyl)phthalate
Concen: 1133.22 ng/ml
RT: 6.363 min Scan# 1831
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:149 Resp: 160615

Ion	Ratio	Lower	Upper
149	100		
167	24.2	19.6	29.4

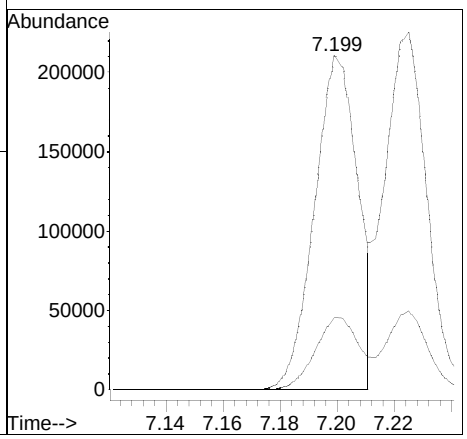


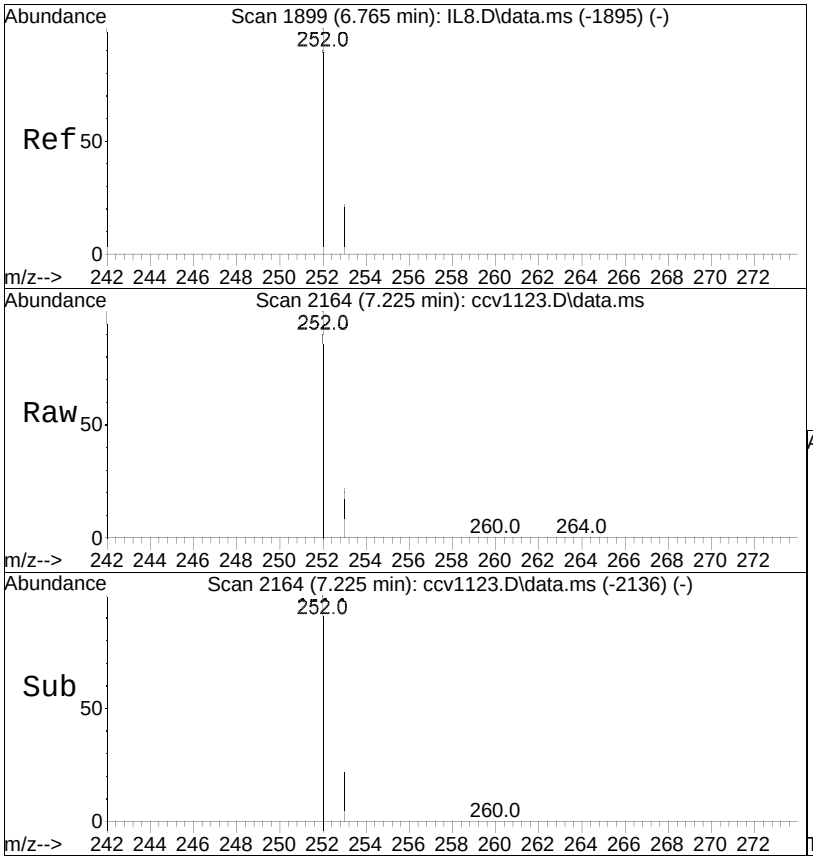


#37
Benzo[b]fluoranthene
Concen: 971.71 ng/ml
RT: 7.199 min Scan# 2155
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:252 Resp: 223557

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0

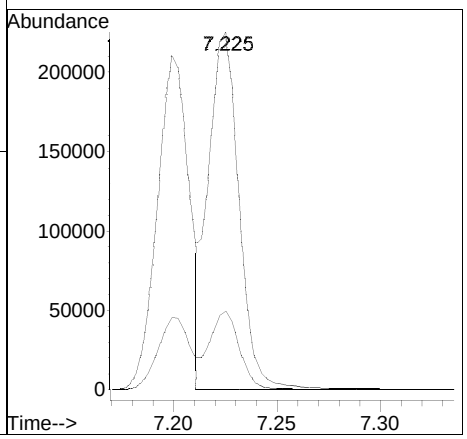


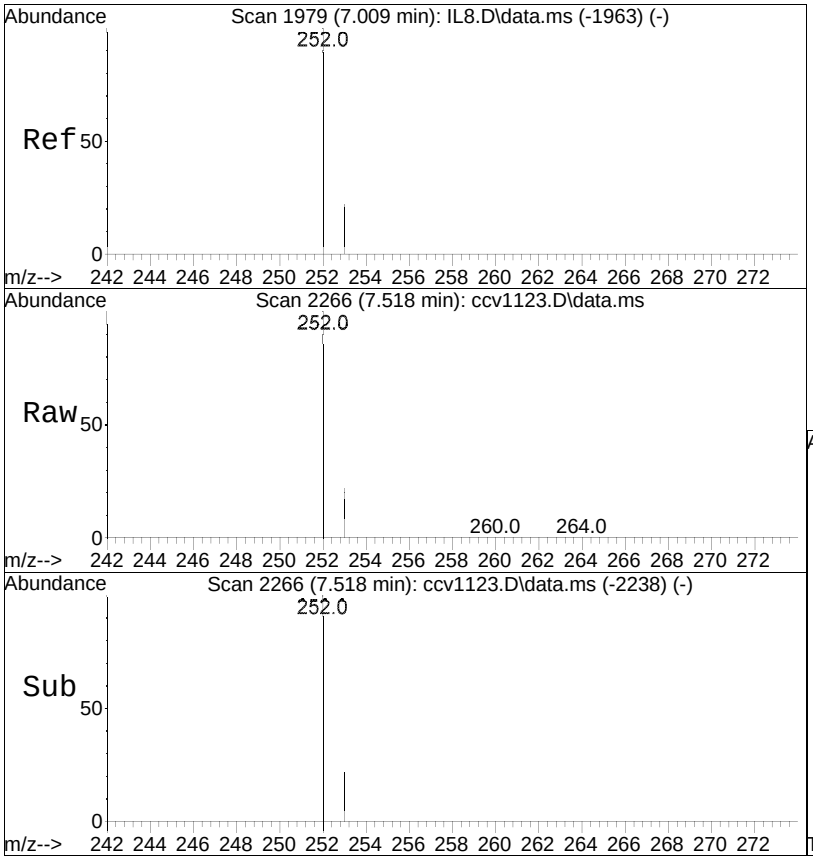


#38
Benzo[k]fluoranthene
Concen: 1118.01 ng/ml
RT: 7.225 min Scan# 2164
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:252 Resp: 231232

Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.6	26.4

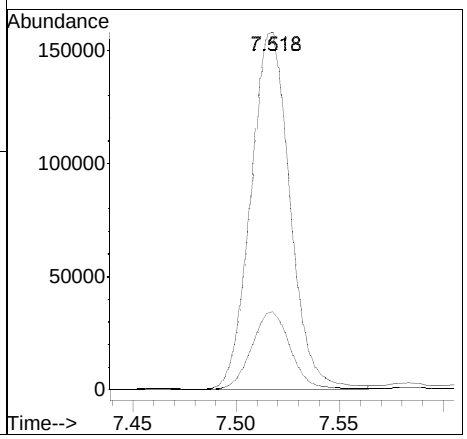


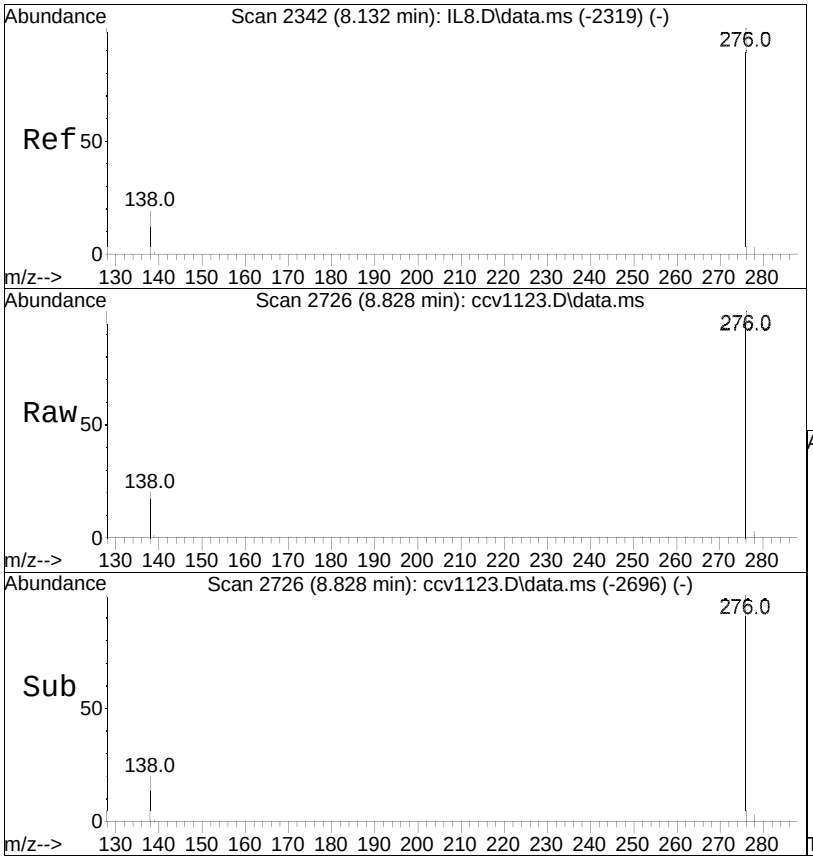


#39
Benzo[a]pyrene
Concen: 1092.95 ng/ml
RT: 7.518 min Scan# 2266
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:252 Resp: 205960

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

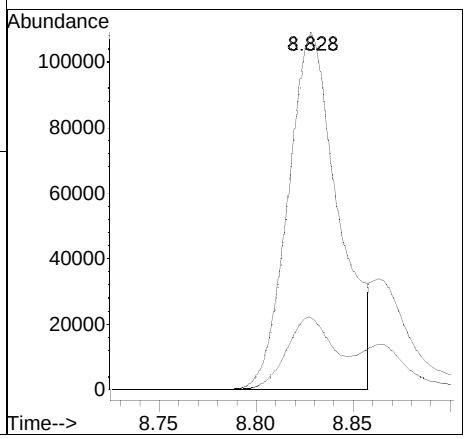


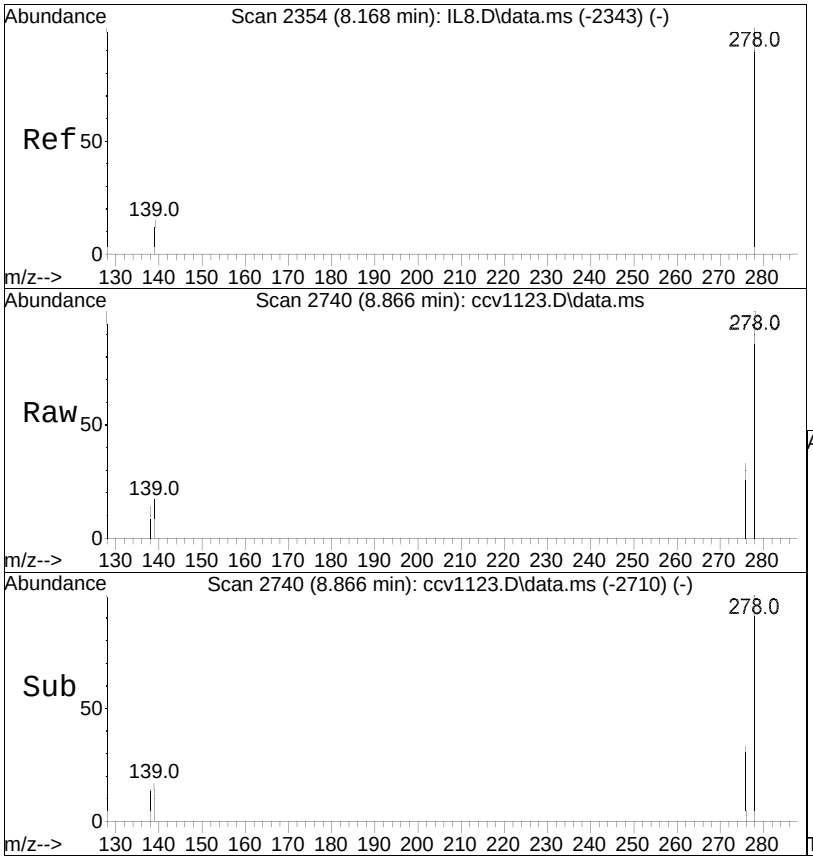


#40
Indeno[1,2,3-cd]pyrene
Concen: 1017.51 ng/ml
RT: 8.828 min Scan# 2726
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:276 Resp: 196065

Ion	Ratio	Lower	Upper
276	100		
138	18.7	15.4	23.0

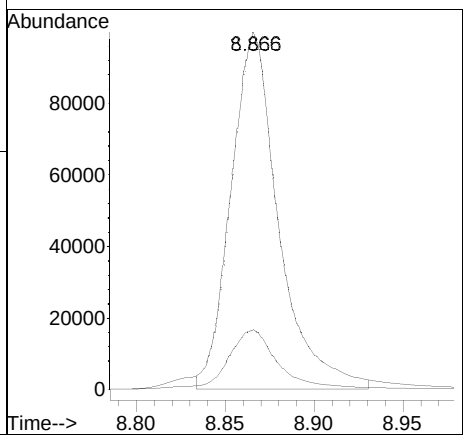


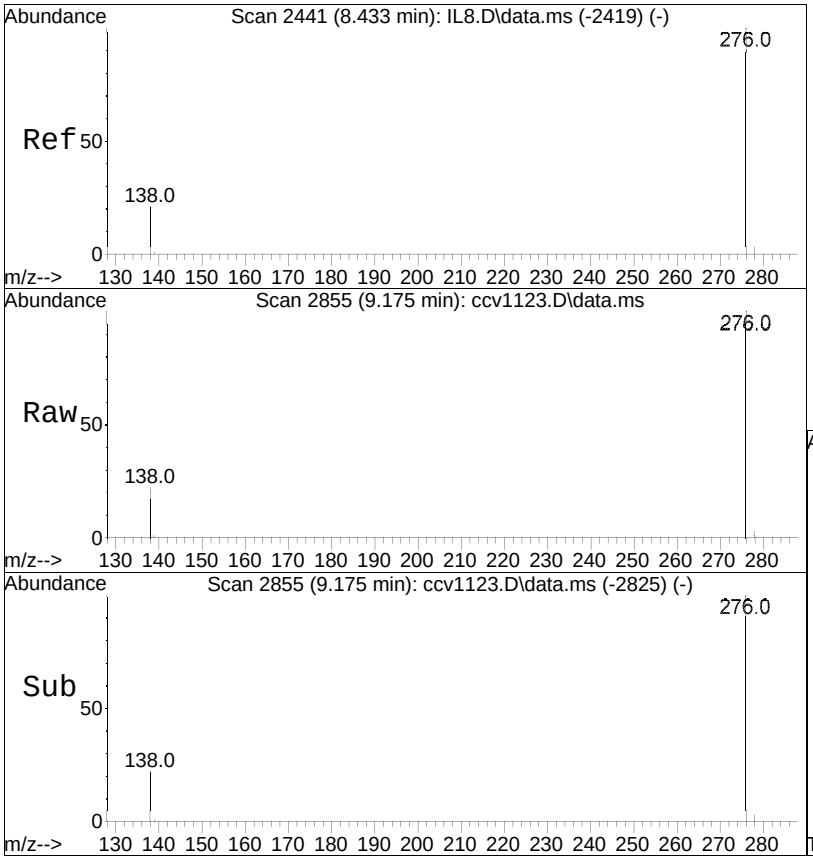


#41
Dibenzo[a,h]anthracene
Concen: 1025.83 ng/ml M6
RT: 8.866 min Scan# 2740
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:278 Resp: 185697

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.0	19.6

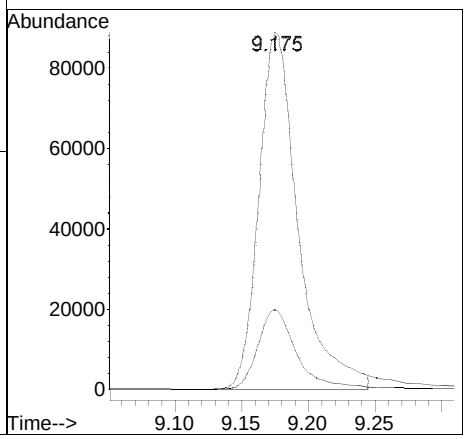




#42
Benzo[g,h,i]perylene
Concen: 957.12 ng/ml
RT: 9.175 min Scan# 2855
Delta R.T. 0.000 min
Lab File: ccv1123.D
Acq: 23 Nov 2024 01:43 pm

Tgt Ion:276 Resp: 179121

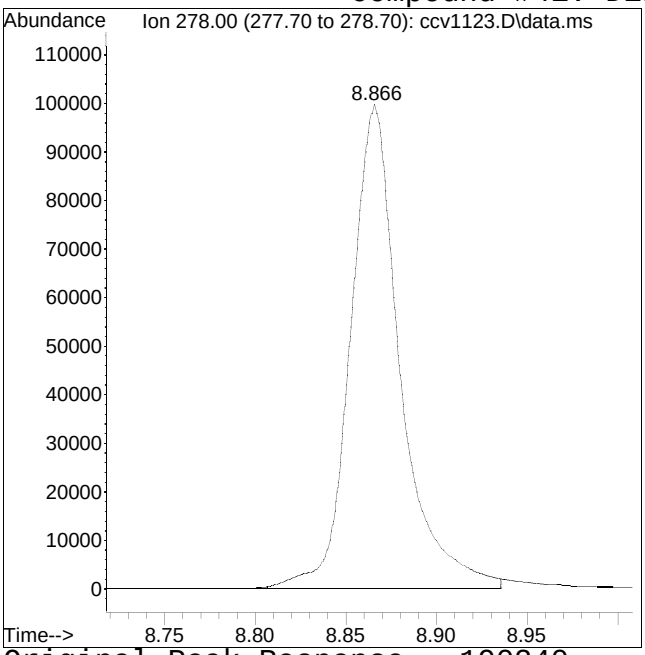
Ion	Ratio	Lower	Upper
276	100		
138	22.4	16.6	25.0



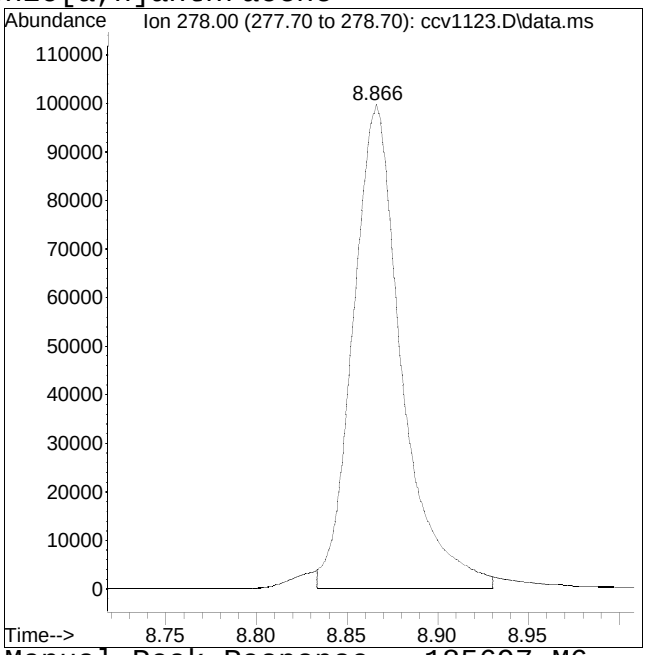
Manual Integration Report

Data Path : I:\8270SIM\sv120\241123RVTQMethod : SIM-RVT_241105_sv120.M
Data File : ccv1123.D Operator : SV120:rp
Date Inj'd : 11/23/2024 1:43 pm Instrument : SV120
Sample : WG2001483-3,32,,ICV 10884 Quant Date : 11/23/2024 2:00 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 190240



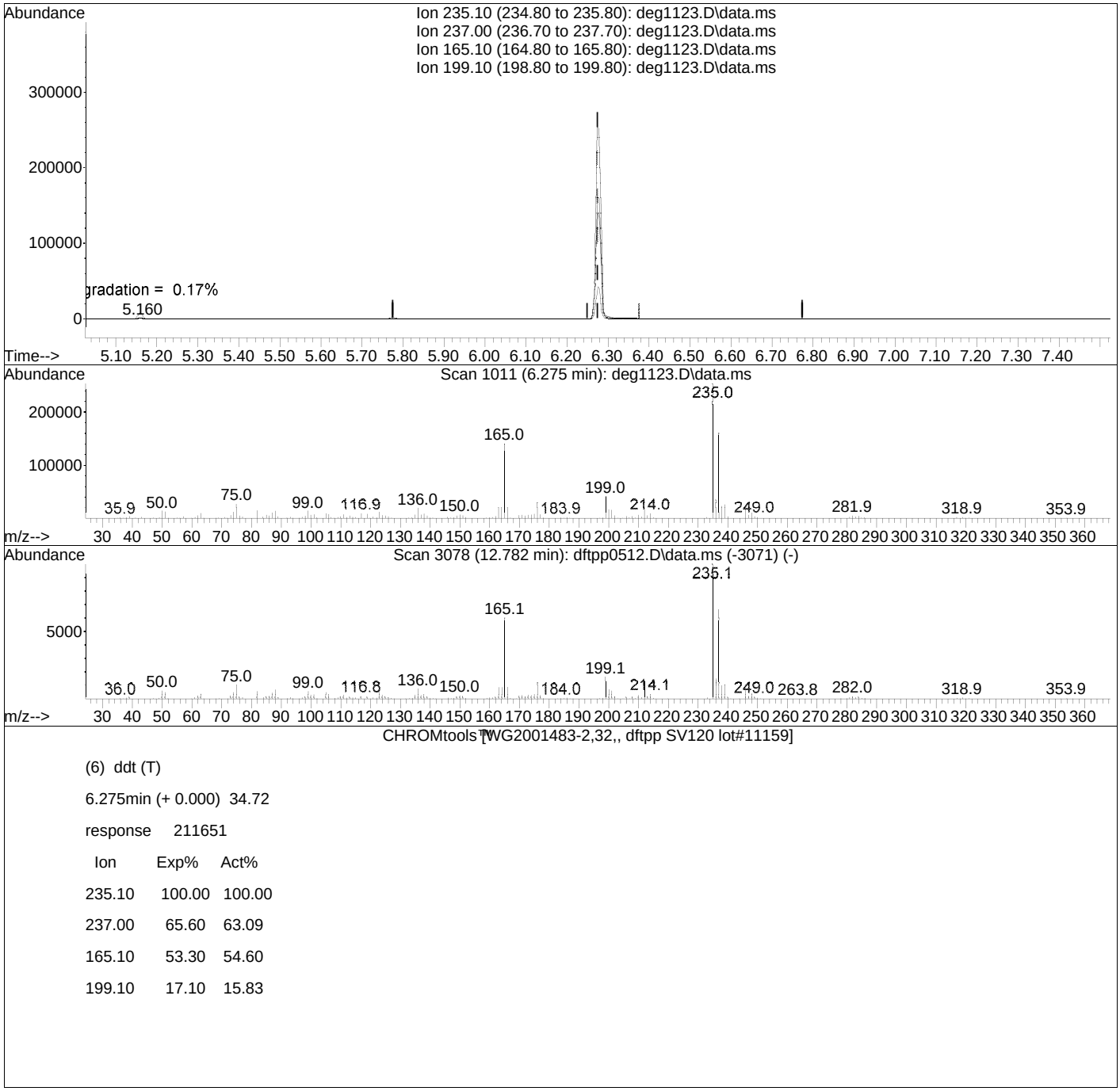
Manual Peak Response = 185697 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : deg1123.D
Acq On : 23 Nov 2024 01:23 pm
Operator : SV120:rp
Sample : WG2001483-2,32,, dftpp SV120 lot#11159
Misc : WG2001483,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 23 13:39:34 2024
Quant Method : I:\8270SIM\sv120\241123RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(6) ddt (T)

6.275min (+ 0.000) 34.72

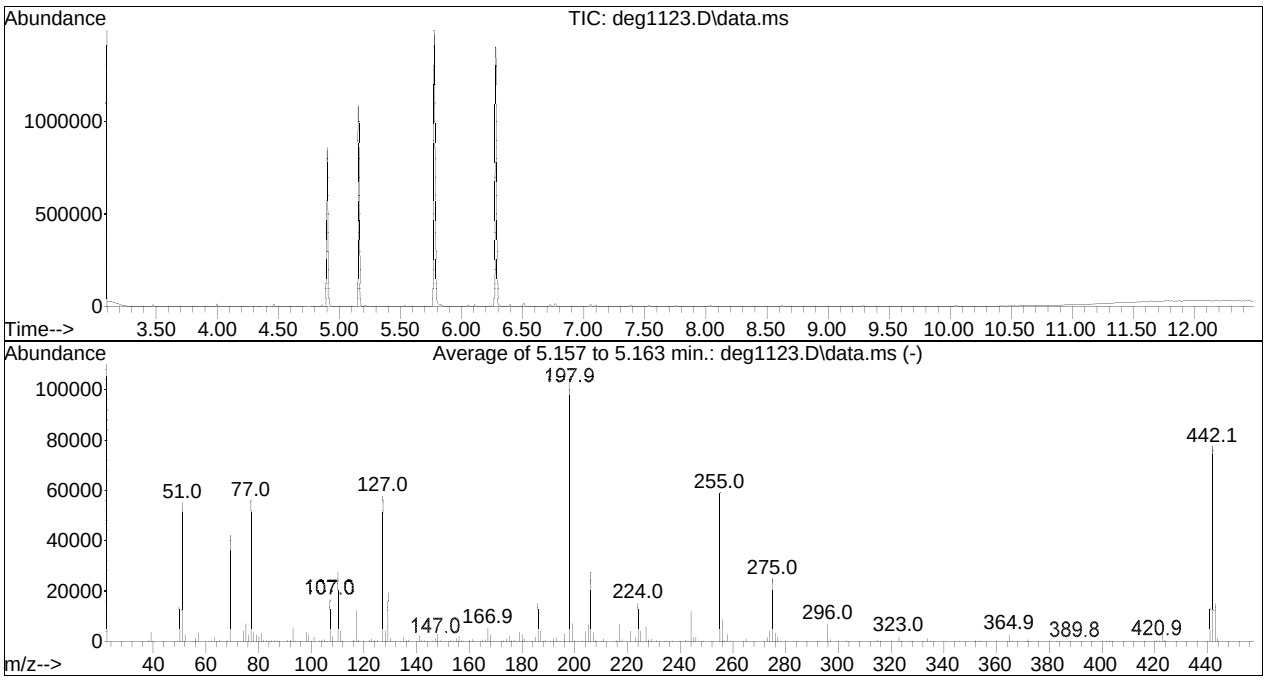
response 211651

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.09
165.10	53.30	54.60
199.10	17.10	15.83

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : deg1123.D
Acq On : 23 Nov 2024 01:23 pm
Operator : SV120:rp
Sample : WG2001483-1,32,, dftpp SV120 lot#11159
Misc : WG2001483,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\241123RVT\SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sat Nov 23 14:00:01 2024



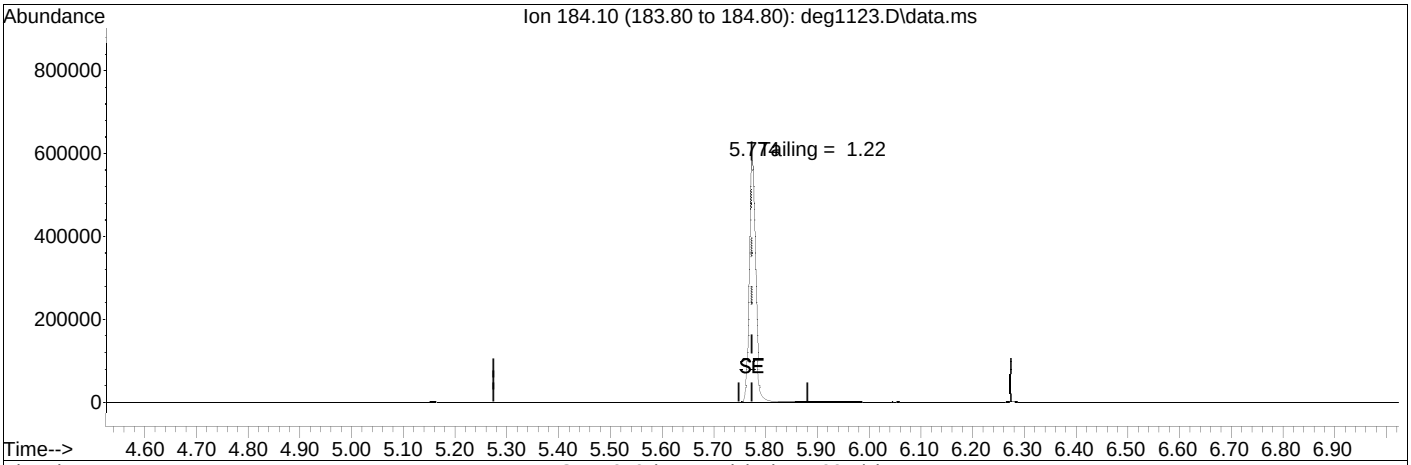
Spectrum Information: Average of 5.157 to 5.163 min.

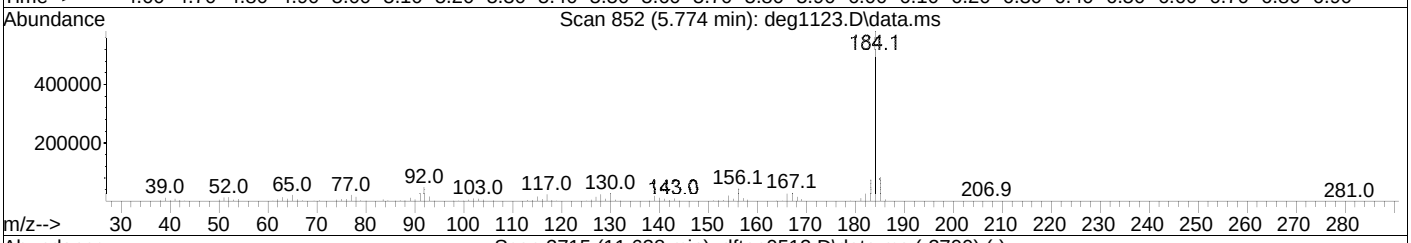
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.7	55200	PASS
68	69	0.00	2	1.6	657	PASS
69	69	100	100	100.0	42040	PASS
70	69	0.00	2	0.6	242	PASS
127	198	10	80	55.0	57616	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	104821	PASS
199	198	5	9	6.7	7072	PASS
275	198	10	60	23.9	25008	PASS
365	198	1	100	2.7	2807	PASS
441	442	0.01	24	17.0	13161	PASS
442	198	50	100	73.9	77483	PASS
443	442	15	24	19.4	15058	PASS

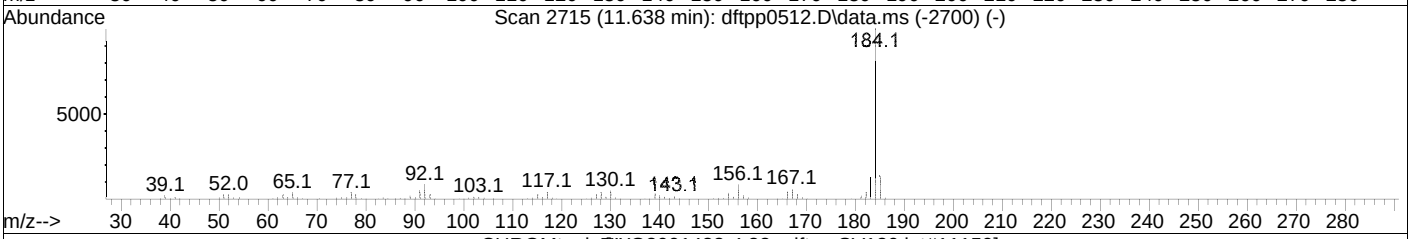
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : deg1123.D
Acq On : 23 Nov 2024 01:23 pm
Operator : SV120:rp
Sample : WG2001483-4,32,, dftpp SV120 lot#11159
Misc : WG2001483,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 23 13:39:34 2024
Quant Method : I:\8270SIM\sv120\241123RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools [WG2001483-4,32,, dftpp SV120 lot#11159]

(3) benzidine (T)

5.774min (+ 0.000) 47.53

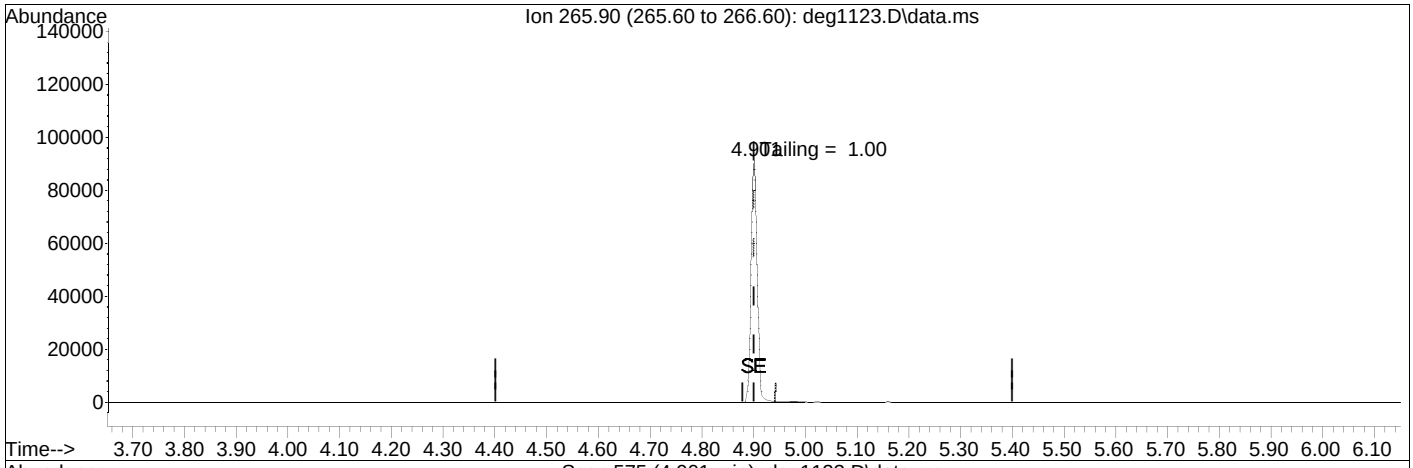
response 483817

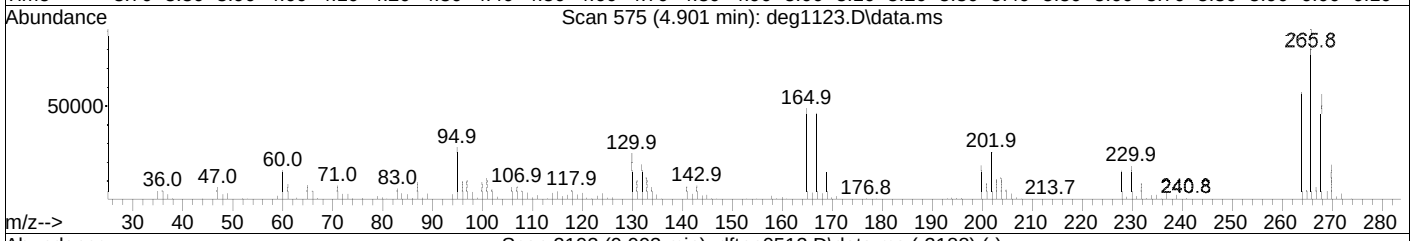
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

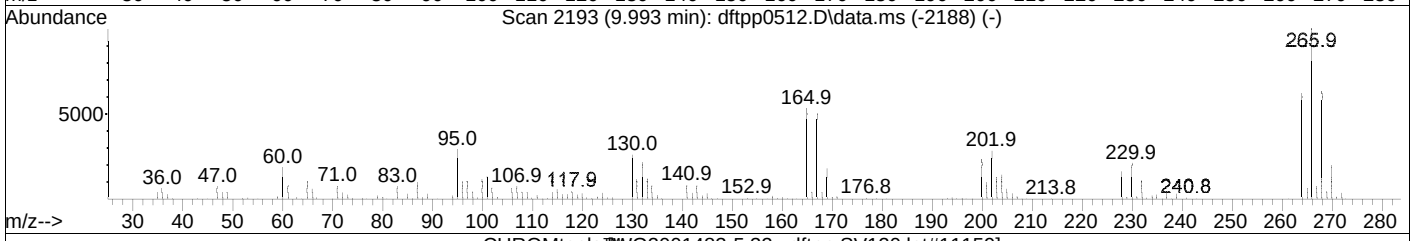
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : deg1123.D
Acq On : 23 Nov 2024 01:23 pm
Operator : SV120:rp
Sample : WG2001483-5,32,, dftpp SV120 lot#11159
Misc : WG2001483,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 23 13:39:34 2024
Quant Method : I:\8270SIM\sv120\241123RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools [WG2001483-5,32,, dftpp SV120 lot#11159]

(1) pentachlorophenol (T)

4.901min (+ 0.000) 33.86

response 71116

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**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: SV120	**Calibration Date**	: 11/23/24 13:43		
Lab File ID	: CCV1123	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2001483-3	**Init. Calib. Times**	: 07:30	09:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	73	0
2-Fluorophenol	1.177	1.212	.05	-3	20	77	0
Phenol-d6	1.447	1.495	.05	-3.3	20	76	0
Bis(2-chloroethyl)ether	1000	979.408	.05	2.1	20	75	0
n-nitrosodi-n-propylamine	0.873	0.883	.05	-1.1	20	74	0
Hexachloroethane	0.524	0.523	.05	0.2	20	74	0
Nitrobenzene-d5	1.277	1.312	.05	-2.7	20	75	0
Naphthalene-d8	1	1	.05	0	20	75	0
Naphthalene	1	0.954	.05	4.6	20	75	0
Hexachlorobutadiene	0.189	0.18	.05	4.8	20	74	0
2-Methylnaphthalene	0.694	0.671	.05	3.3	20	75	0
1-Methylnaphthalene	0.639	0.623	.05	2.5	20	77	0
2-Fluorobiphenyl	0.806	0.758	.05	6	20	76	0
2-Chloronaphthalene	0.689	0.649	.05	5.8	20	75	0
2,6-Dinitrotoluene	0.156	0.161	.05	-3.2	20	79	0
Acenaphthylene	0.994	1.004	.05	-1	20	77	0
Acenaphthene-d10	1	1	.05	0	20	74	0
Acenaphthene	1.207	1.17	.05	3.1	20	77	0
2,4-Dinitrotoluene	0.336	0.383	.05	-14	20	81	0
Fluorene	1.306	1.342	.05	-2.8	20	79	0
2,4,6-Tribromophenol	0.159	0.188	.05	-18.2	20	84	0
Phenanthrene-d10	1	1	.05	0	20	77	0
4,6-Dinitro-o-cresol	1000	951.015	.05	4.9	20	78	0
Hexachlorobenzene	0.211	0.215	.05	-1.9	20	82	0
Pentachlorophenol	1000	915.924	.05	8.4	20	72	0
Phenanthrene	0.953	0.999	.05	-4.8	20	80	0
Anthracene	0.986	1.026	.05	-4.1	20	81	0
Fluoranthene	1.098	1.183	.05	-7.7	20	87	0
Pyrene	1.132	1.242	.05	-9.7	20	88	0
4-Terphenyl-d14	0.727	0.729	.05	-0.3	20	81	0
Chrysene-d12	1	1	.05	0	20	82	0
Benzo[a]anthracene	1000	1019.088	.05	-1.9	20	85	0
3,3'-Dichlorobenzene	0.432	0.499	.05	-15.5	20	92	0
Chrysene	1.059	1.186	.05	-12	20	85	0
Bis(2-ethylhexyl)phthalate	0.708	0.802	.05	-13.3	20	91	0
Perylene-d12	1	1	.05	0	20	79	0
Benzo[b]fluoranthene	1.214	1.179	.05	2.9	20	80	0
Benzo[k]fluoranthene	1.091	1.22	.05	-11.8	20	85	0
Benzo[a]pyrene	0.994	1.087	.05	-9.4	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	1.034	.05	-1.7	20	79	0
Dibenzo[a,h]anthracene	0.955	0.98	.05	-2.6	20	80	0
Benzo[g,h,i]perylene	0.987	0.945	.05	4.3	20	75	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: SV120	**Calibration Date**	: 11/24/24 10:23		
Lab File ID	: CCV1124	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2001670-3	**Init. Calib. Times**	: 07:30	09:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	81	0
2-Fluorophenol	1.177	1.192	.05	-1.3	20	83	0
Phenol-d6	1.447	1.456	.05	-0.6	20	82	0
Bis(2-chloroethyl)ether	1000	971.941	.05	2.8	20	81	0
n-nitrosodi-n-propylamine	0.873	0.895	.05	-2.5	20	83	0
Hexachloroethane	0.524	0.528	.05	-0.8	20	82	0
Nitrobenzene-d5	1.277	1.303	.05	-2	20	82	0
Naphthalene-d8	1	1	.05	0	20	82	0
Naphthalene	1	0.958	.05	4.2	20	83	0
Hexachlorobutadiene	0.189	0.188	.05	0.5	20	85	0
2-Methylnaphthalene	0.694	0.68	.05	2	20	84	0
1-Methylnaphthalene	0.639	0.623	.05	2.5	20	85	0
2-Fluorobiphenyl	0.806	0.771	.05	4.3	20	85	0
2-Chloronaphthalene	0.689	0.664	.05	3.6	20	85	0
2,6-Dinitrotoluene	0.156	0.164	.05	-5.1	20	89	0
Acenaphthylene	0.994	1.026	.05	-3.2	20	86	0
Acenaphthene-d10	1	1	.05	0	20	84	0
Acenaphthene	1.207	1.171	.05	3	20	86	0
2,4-Dinitrotoluene	0.336	0.379	.05	-12.8	20	90	0
Fluorene	1.306	1.329	.05	-1.8	20	88	0
2,4,6-Tribromophenol	0.159	0.191	.05	-20.1*	20	96	0
Phenanthrene-d10	1	1	.05	0	20	87	0
4,6-Dinitro-o-cresol	1000	909.304	.05	9.1	20	84	0
Hexachlorobenzene	0.211	0.218	.05	-3.3	20	94	0
Pentachlorophenol	1000	907.783	.05	9.2	20	80	0
Phenanthrene	0.953	0.975	.05	-2.3	20	89	0
Anthracene	0.986	1.025	.05	-4	20	92	0
Fluoranthene	1.098	1.157	.05	-5.4	20	96	0
Pyrene	1.132	1.21	.05	-6.9	20	97	0
4-Terphenyl-d14	0.727	0.72	.05	1	20	90	0
Chrysene-d12	1	1	.05	0	20	89	0
Benzo[a]anthracene	1000	1018.546	.05	-1.9	20	92	0
3,3'-Dichlorobenzene	0.432	0.496	.05	-14.8	20	99	0
Chrysene	1.059	1.183	.05	-11.7	20	92	0
Bis(2-ethylhexyl)phthalate	0.708	0.853	.05	-20.5*	20	105	0
Perylene-d12	1	1	.05	0	20	87	0
Benzo[b]fluoranthene	1.214	1.175	.05	3.2	20	87	0
Benzo[k]fluoranthene	1.091	1.201	.05	-10.1	20	92	0
Benzo[a]pyrene	0.994	1.082	.05	-8.9	20	92	0
Indeno[1,2,3-cd]pyrene	1.017	1.038	.05	-2.1	20	87	0
Dibenzo[a,h]anthracene	0.955	1.026	.05	-7.4	20	92	0
Benzo[g,h,i]perylene	0.987	0.974	.05	1.3	20	85	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : ccv1124.D
Acq On : 24 Nov 2024 10:23 am
Operator : SV120:kmh
Sample : wg2001670-3,32,,ICV 10884 (1123a)
Misc : wg2001670,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 24 10:37:22 2024
Quant Method : I:\8270SIM\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:36 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	81	0.00
2	s	2-Fluorophenol	1.177	1.192	-1.3	83	0.00
3	s	Phenol-d6	1.447	1.456	-0.6	82	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	971.941	2.8	81	0.00
5	T	n-nitrosodi-n-propylamine	0.873	0.895	-2.5	83	0.00
6	t	Hexachloroethane	0.524	0.528	-0.8	82	0.00
7	s	Nitrobenzene-d5	1.277	1.303	-2.0	82	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	82	0.00
9	t	Naphthalene	1.000	0.958	4.2	83	0.00
10	t	Hexachlorobutadiene	0.189	0.188	0.5	85	0.00
11	t	2-Methylnaphthalene	0.694	0.680	2.0	84	0.00
12	t	1-Methylnaphthalene	0.639	0.623	2.5	85	0.00
13	s	2-Fluorobiphenyl	0.806	0.771	4.3	85	0.00
14	t	2-Chloronaphthalene	0.689	0.664	3.6	85	0.00
15	t	2,6-Dinitrotoluene	0.156	0.164	-5.1	89	0.00
16	t	Acenaphthylene	0.994	1.026	-3.2	86	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	84	0.00
18	t	Acenaphthene	1.207	1.171	3.0	86	0.00
19	t	2,4-Dinitrotoluene	0.336	0.379	-12.8	90	0.00
20	t	Fluorene	1.306	1.329	-1.8	88	0.00
21	s	2,4,6-Tribromophenol	0.159	0.191	-20.1#	96	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	909.304	9.1	84	0.00
24	t	Hexachlorobenzene	0.211	0.218	-3.3	94	0.00
25	t	Pentachlorophenol	*1000.000	907.783	9.2	80	0.00
26	t	Phenanthrene	0.953	0.975	-2.3	89	0.00
27	t	Anthracene	0.986	1.025	-4.0	92	0.00
28	t	Fluoranthene	1.098	1.157	-5.4	96	0.00
29	t	Pyrene	1.132	1.210	-6.9	97	0.00
30	s	4-Terphenyl-d14	0.727	0.720	1.0	90	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	89	0.00
32	t	Benzo[a]anthracene	*1000.000	1018.546	-1.9	92	0.00
33	t	3,3'-Dichlorobenzene	0.432	0.496	-14.8	99	0.00
34	t	Chrysene	1.059	1.183	-11.7	92	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.708	0.853	-20.5#	105	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : ccv1124.D
Acq On : 24 Nov 2024 10:23 am
Operator : SV120:kmh
Sample : wg2001670-3,32,,ICV 10884 (1123a)
Misc : wg2001670,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 24 10:37:22 2024
Quant Method : I:\8270SIM\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:36 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	87	0.00
37	t	Benzo[b]fluoranthene	1.214	1.175	3.2	87	0.00
38	t	Benzo[k]fluoranthene	1.091	1.201	-10.1	92	0.00
39	t	Benzo[a]pyrene	0.994	1.082	-8.9	92	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.017	1.038	-2.1	87	0.00
41	t	Dibenzo[a,h]anthracene	0.955	1.026	-7.4	92	0.00
42	t	Benzo[g,h,i]perylene	0.987	0.974	1.3	85	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\241124RVT\
Data File : ccv1124.D
Acq On : 24 Nov 2024 10:23 am
Operator : SV120:kmh
Sample : wg2001670-3,32,,ICV 10884 (1123a)
Misc : wg2001670,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 24 10:37:22 2024
Quant Method : I:\8270SIM\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:36 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	2.300	152	217001	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.959	136	867141	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.931	164	513045	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.772	188	1011820	4000.000	ng/ml	0.00
31) Chrysene-d12	6.329	240	870473	4000.000	ng/ml	0.00
36) Perylene-d12	7.558	264	832237	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.730	112	64652	1012.185	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.61%			
3) Phenol-d6	2.119	99	78970	1006.197	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.31%			
7) Nitrobenzene-d5	2.578	82	70685	1020.192	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 102.02%			
13) 2-Fluorobiphenyl	3.552	172	167249	956.927	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.69%			
21) 2,4,6-Tribromophenol	4.379	330	24437	1196.521	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 59.83%			
30) 4-Terphenyl-d14	5.684	244	182193	990.276	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 49.51%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.167	93	64916	971.941	ng/ml	97
5) n-nitrosodi-n-propylamine	2.497	70	48531	1025.285	ng/ml	99
6) Hexachloroethane	2.556	117	28639	1008.096	ng/ml	100
9) Naphthalene	2.969	128	207758	958.440	ng/ml	100
10) Hexachlorobutadiene	3.040	225	40739	991.858	ng/ml	100
11) 2-Methylnaphthalene	3.347	142	147399	979.453	ng/ml	99
12) 1-Methylnaphthalene	3.402	142	135062	975.726	ng/ml	99
14) 2-Chloronaphthalene	3.616	162	143917	963.359	ng/ml	100
15) 2,6-Dinitrotoluene	3.812	165	35503	1049.946	ng/ml	98
16) Acenaphthylene	3.851	152	222376	1032.443	ng/ml	100
18) Acenaphthene	3.951	153	150162	969.668	ng/ml	92
19) 2,4-Dinitrotoluene	4.040	165	48590	1126.935	ng/ml	98
20) Fluorene	4.241	166	170483	1017.417	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.271	198	27151	909.304	ng/ml	99
24) Hexachlorobenzene	4.558	284	55178	1032.402	ng/ml	98
25) Pentachlorophenol	4.672	266	26503	907.783	ng/ml	100
26) Phenanthrene	4.783	178	246605	1022.749	ng/ml	100
27) Anthracene	4.813	178	259206	1039.038	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : ccv1124.D
Acq On : 24 Nov 2024 10:23 am
Operator : SV120:kmh
Sample : wg2001670-3,32,,ICV 10884 (1123a)
Misc : wg2001670,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 24 10:37:22 2024
Quant Method : I:\8270SIM\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:36 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.461	202	292776	1054.229	ng/ml	98
29) Pyrene	5.591	202	306176	1069.162	ng/ml	100
32) Benzo[a]anthracene	6.319	228	272291	1018.546	ng/ml	98
33) 3,3'-Dichlorobenzene	6.304	252	108017	1147.969	ng/ml	99
34) Chrysene	6.343	228	257482	1117.316	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.339	149	185737	1205.794	ng/ml	100
37) Benzo[b]fluoranthene	7.174	252	244380	967.736	ng/ml	100
38) Benzo[k]fluoranthene	7.200	252	249914	1100.857	ng/ml	100
39) Benzo[a]pyrene	7.490	252	225108	1088.312	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.804	276	215866M6	1020.629	ng/ml	
41) Dibenzo[a,h]anthracene	8.839	278	213535M6	1074.686	ng/ml	
42) Benzo[g,h,i]perylene	9.156	276	202627	986.419	ng/ml	96

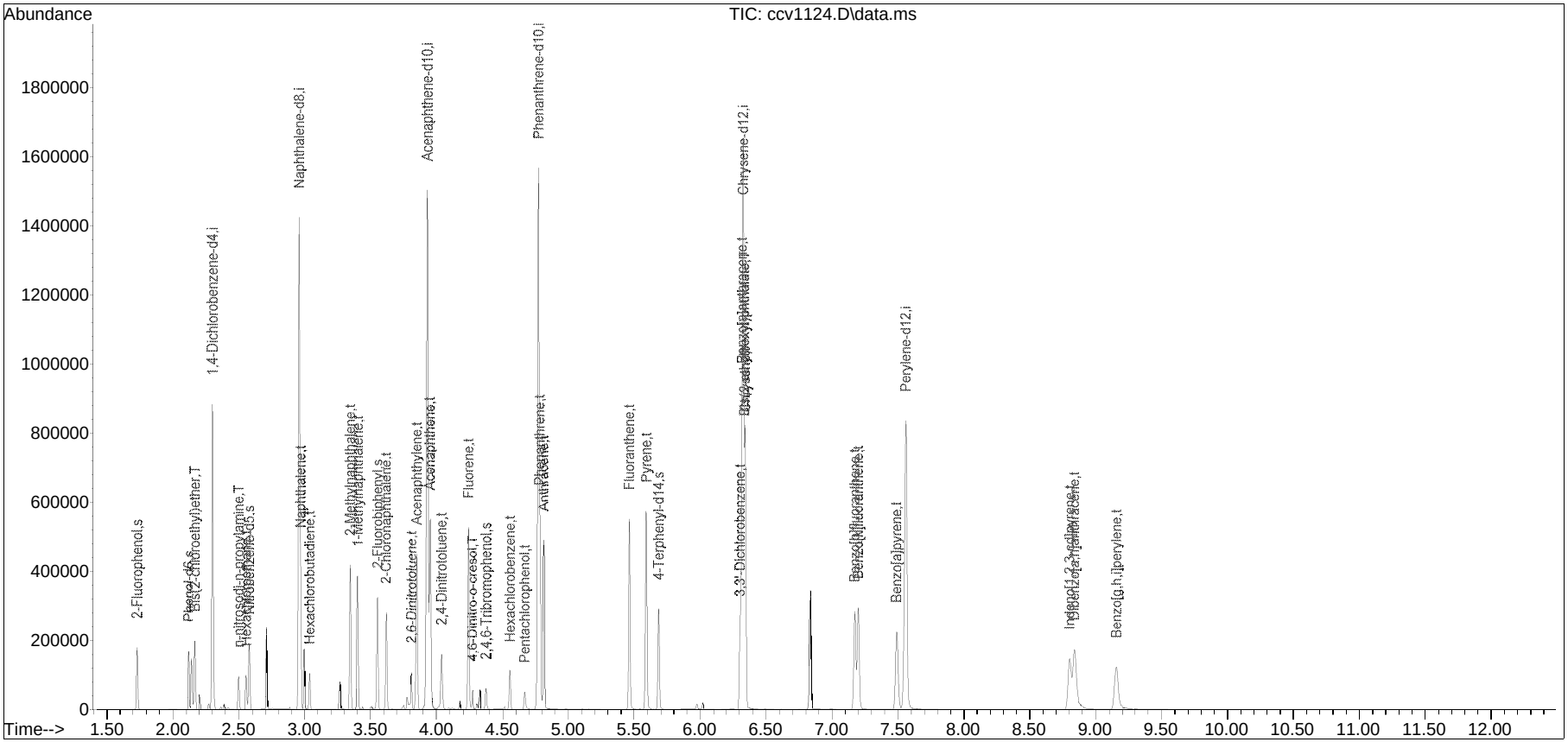
(#) = qualifier out of range (m) = manual integration (+) = signals summed

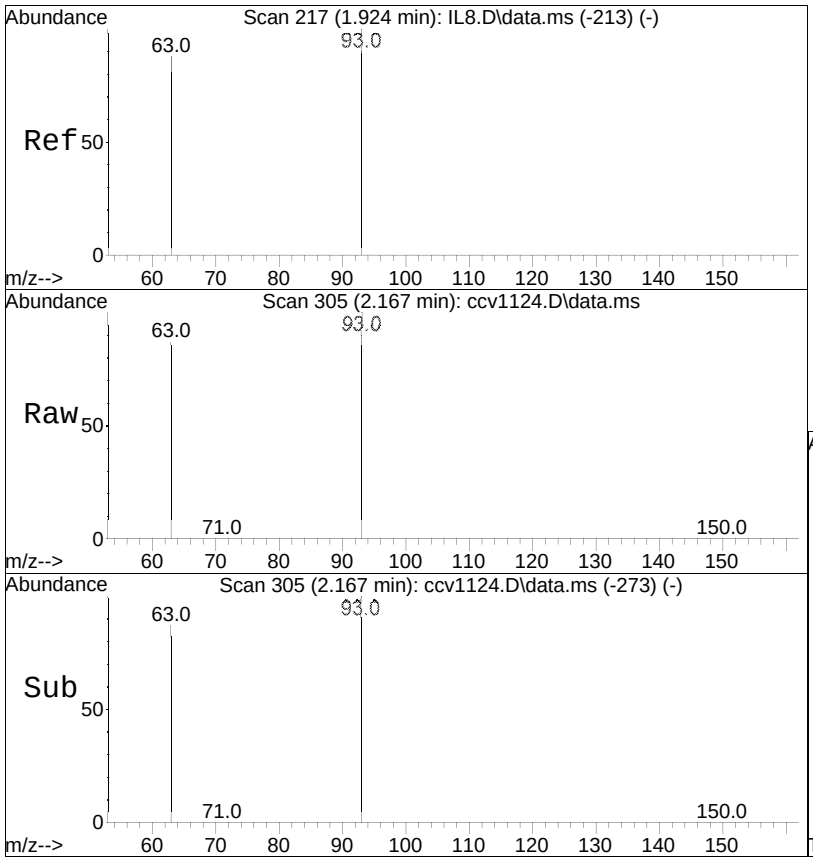
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : ccv1124.D
Acq On : 24 Nov 2024 10:23 am
Operator : SV120:kmh
Sample : wg2001670-3,32,,ICV 10884 (1123a)
Misc : wg2001670,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Nov 24 10:37:22 2024
Quant Method : I:\8270SIM\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:36 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

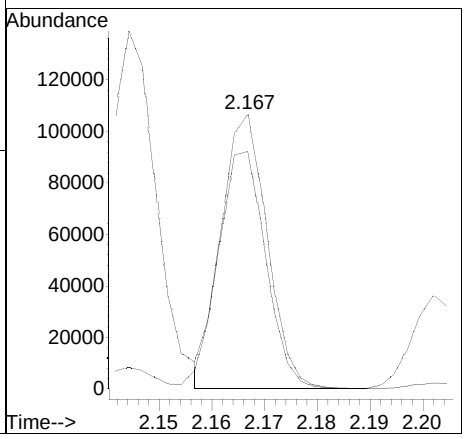


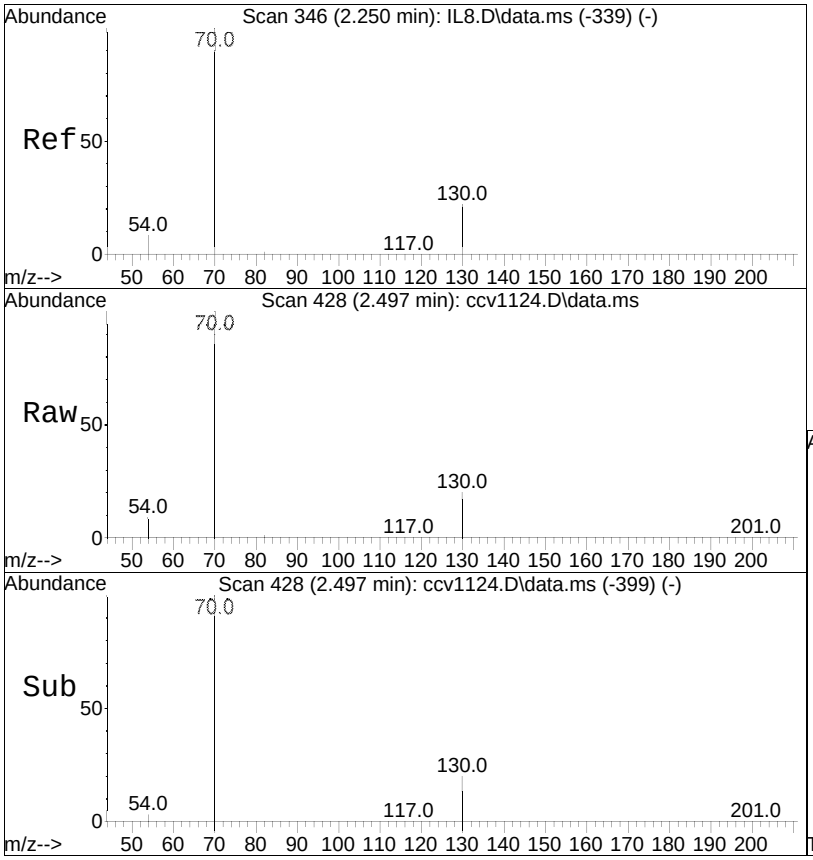


#4
Bis(2-chloroethyl)ether
Concen: 971.94 ng/ml
RT: 2.167 min Scan# 305
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion: 93 Resp: 64916

Ion	Ratio	Lower	Upper
93	100		
63	89.0	68.7	103.1

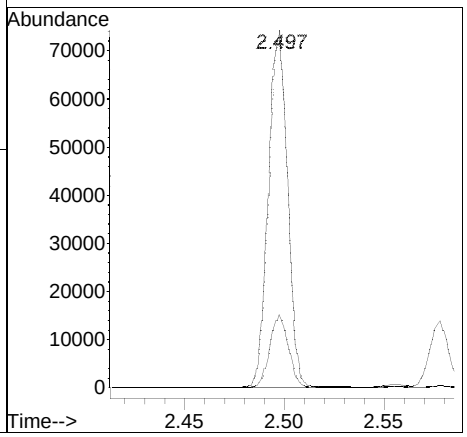


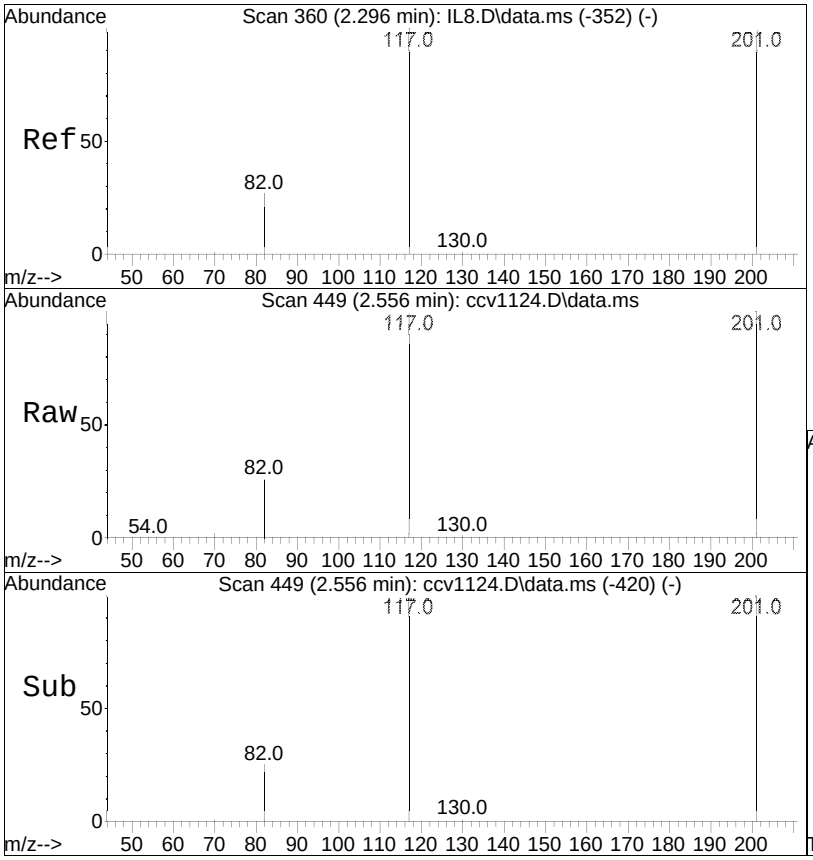


#5
n-nitrosodi-n-propylamine
Concen: 1025.28 ng/ml
RT: 2.497 min Scan# 428
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion: 70 Resp: 48531

Ion	Ratio	Lower	Upper
70	100		
130	20.2	16.6	24.8

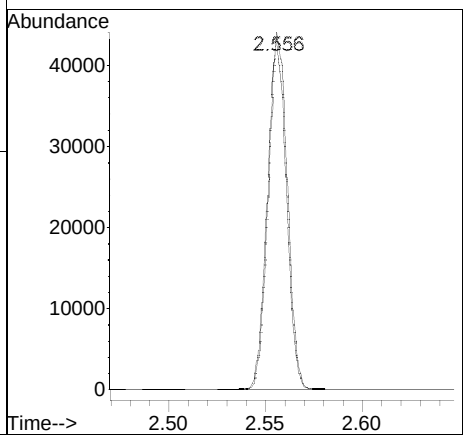


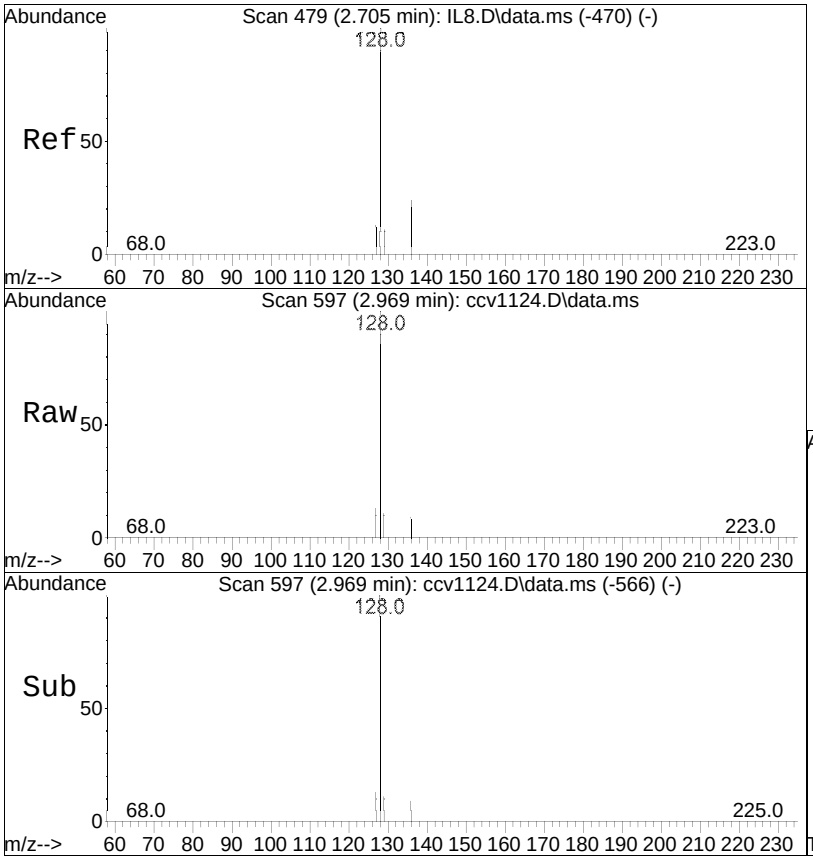


#6
Hexachloroethane
Concen: 1008.10 ng/ml
RT: 2.556 min Scan# 449
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:117 Resp: 28639

Ion	Ratio	Lower	Upper
117	100		
201	102.4	82.0	123.0

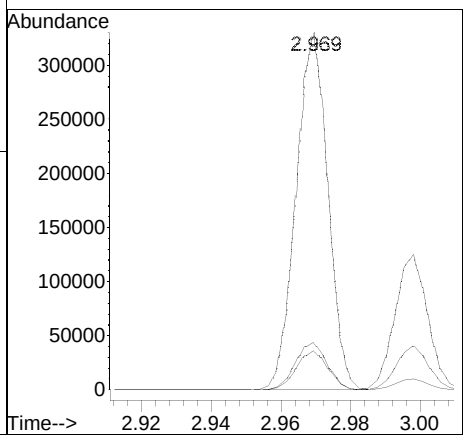


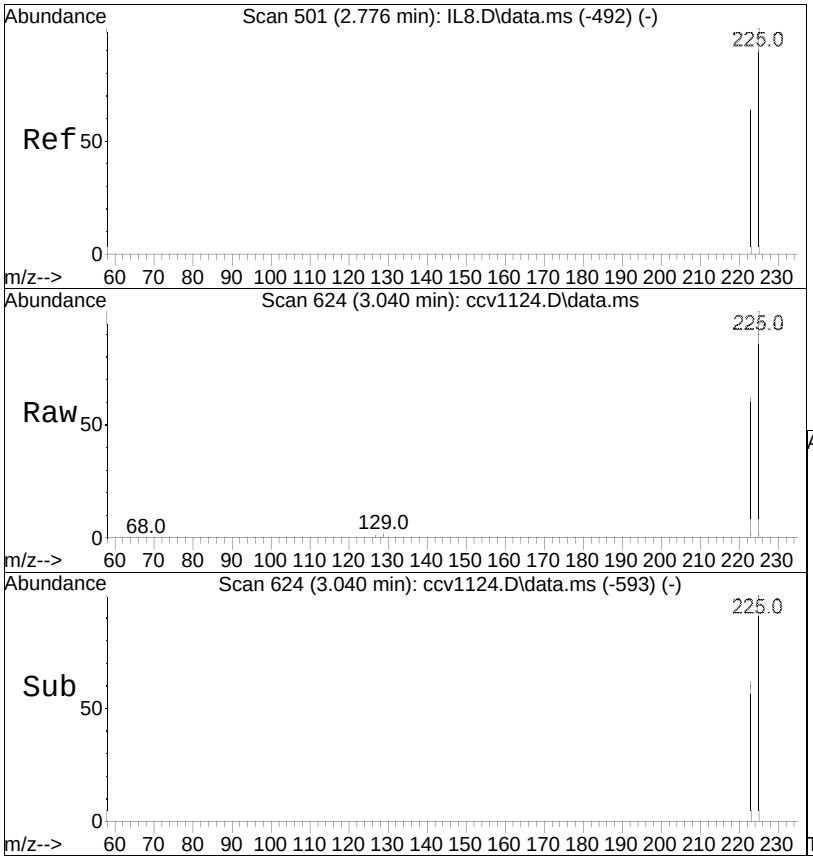


#9
Naphthalene
Concen: 958.44 ng/ml
RT: 2.969 min Scan# 597
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:128 Resp: 207758

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	10.7	16.1

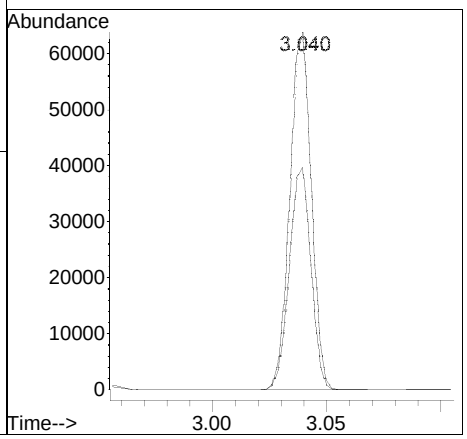


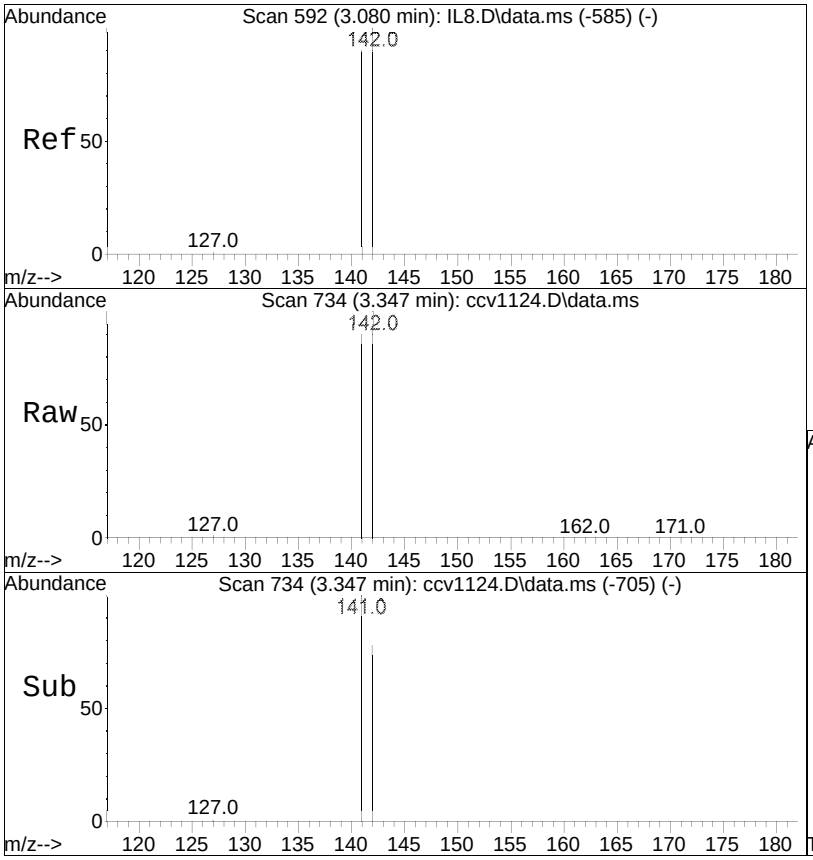


#10
Hexachlorobutadiene
Concen: 991.86 ng/ml
RT: 3.040 min Scan# 624
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:225 Resp: 40739

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7

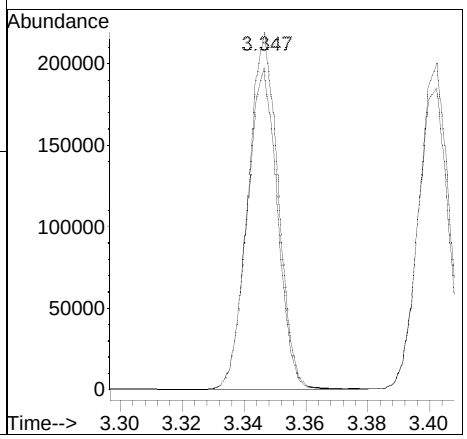


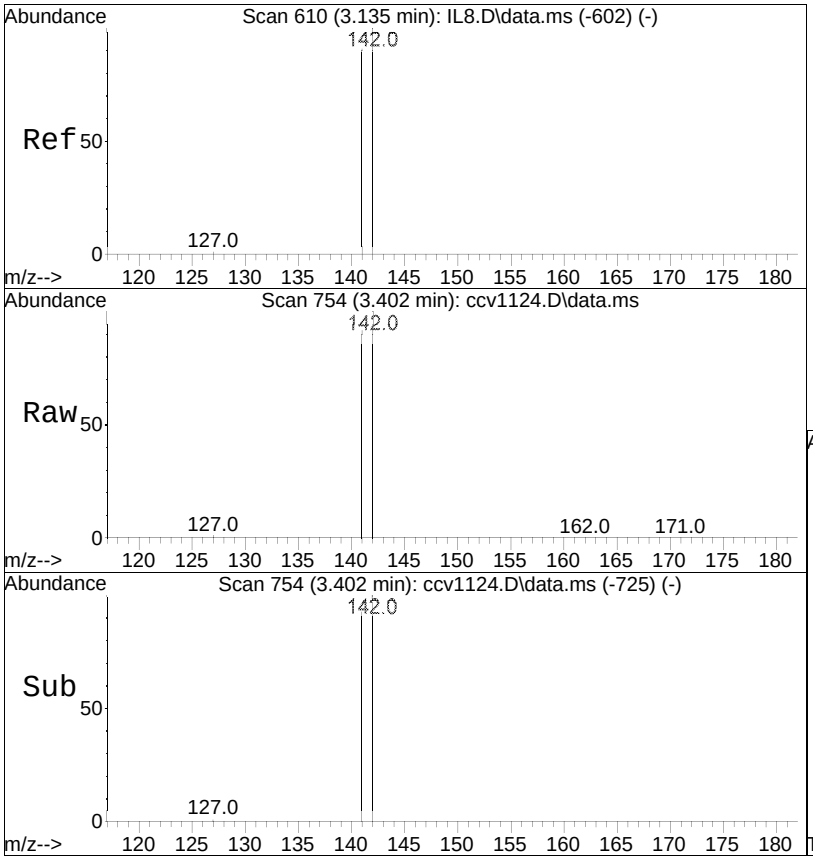


#11
2-Methylnaphthalene
Concen: 979.45 ng/ml
RT: 3.347 min Scan# 734
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:142 Resp: 147399

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.2	108.2

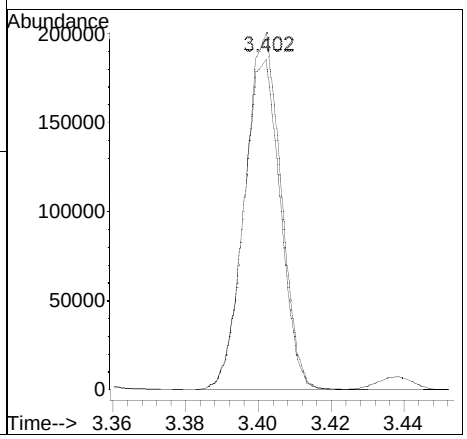


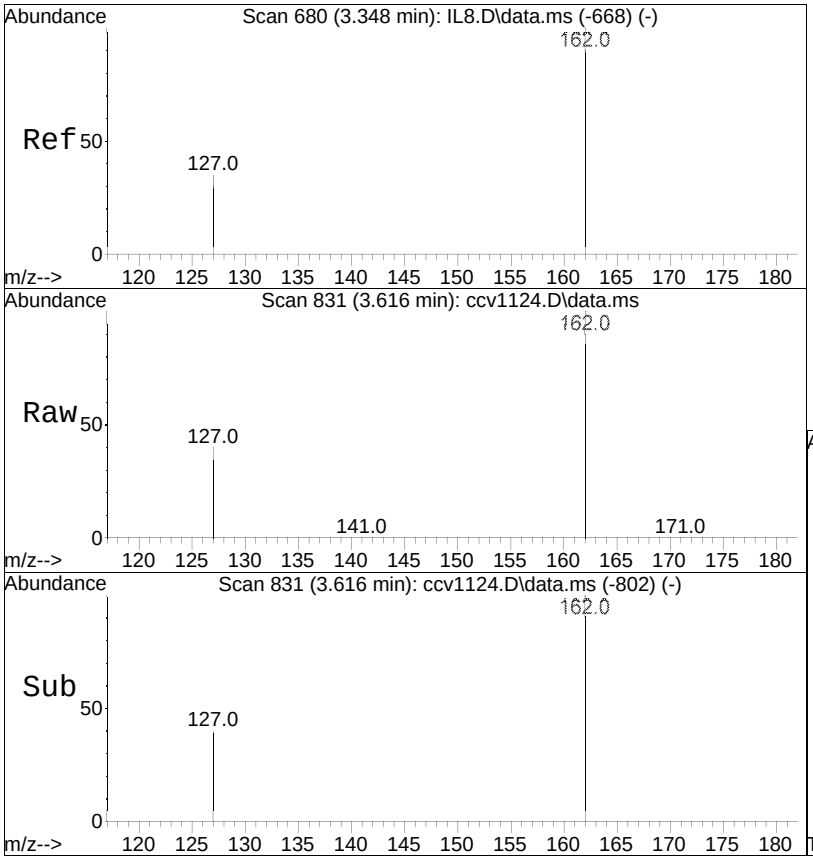


#12
1-Methylnaphthalene
Concen: 975.73 ng/ml
RT: 3.402 min Scan# 754
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:142 Resp: 135062

Ion	Ratio	Lower	Upper
142	100		
141	94.3	74.6	112.0

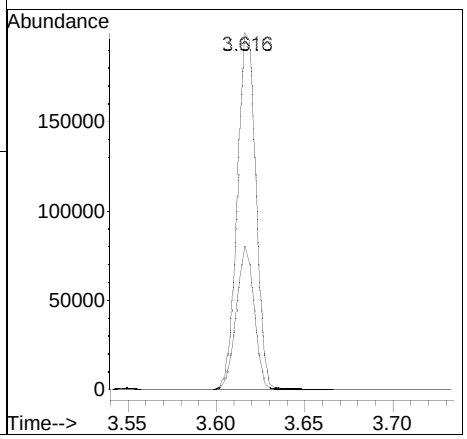


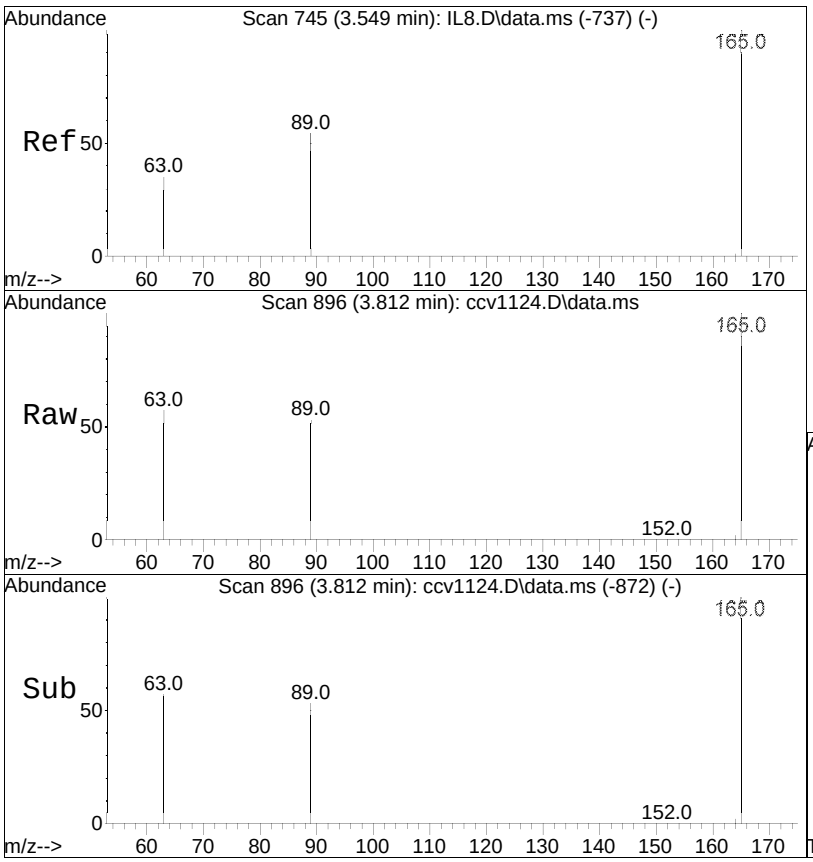


#14
2-Chloronaphthalene
Concen: 963.36 ng/ml
RT: 3.616 min Scan# 831
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:162 Resp: 143917

Ion	Ratio	Lower	Upper
162	100		
127	38.8	31.0	46.4

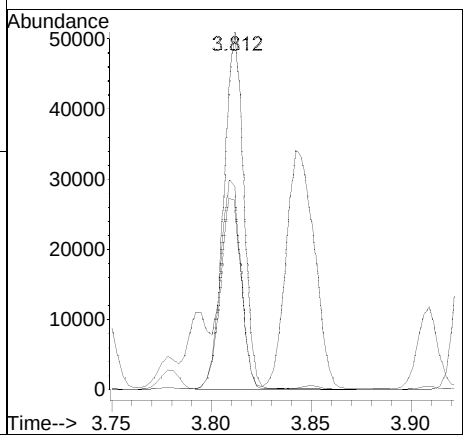


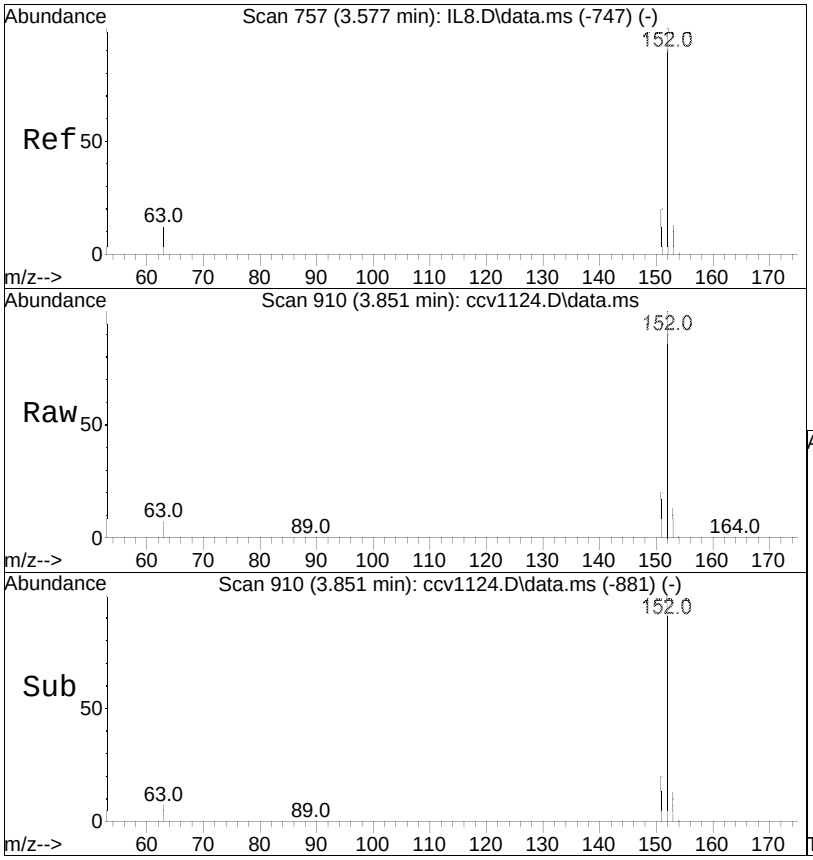


#15
2,6-Dinitrotoluene
Concen: 1049.95 ng/ml
RT: 3.812 min Scan# 896
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:165 Resp: 35503

Ion	Ratio	Lower	Upper
165	100		
89	55.8	45.8	68.8
63	57.0	46.3	69.5

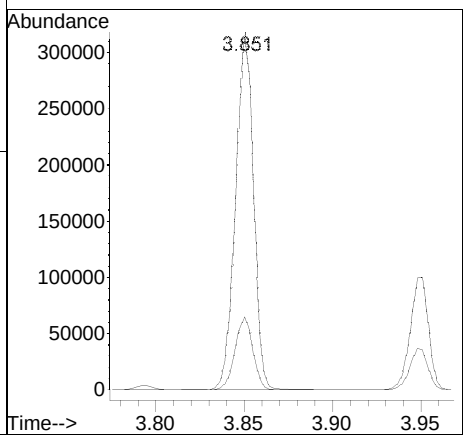


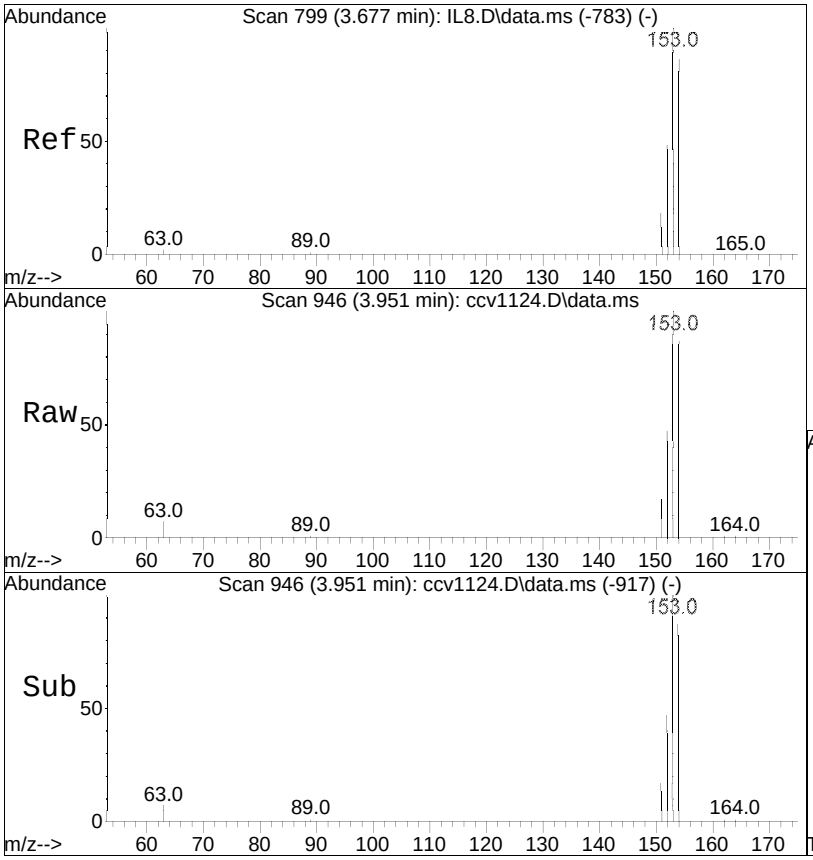


#16
Acenaphthylene
Concen: 1032.44 ng/ml
RT: 3.851 min Scan# 910
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:152 Resp: 222376

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6

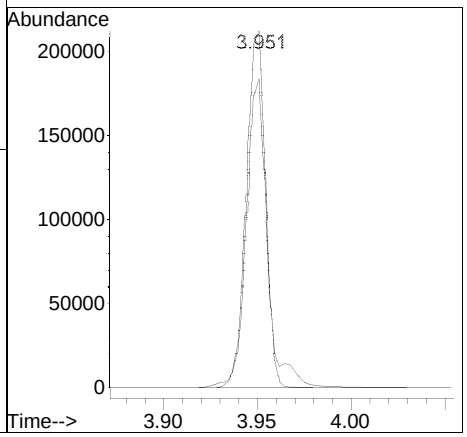


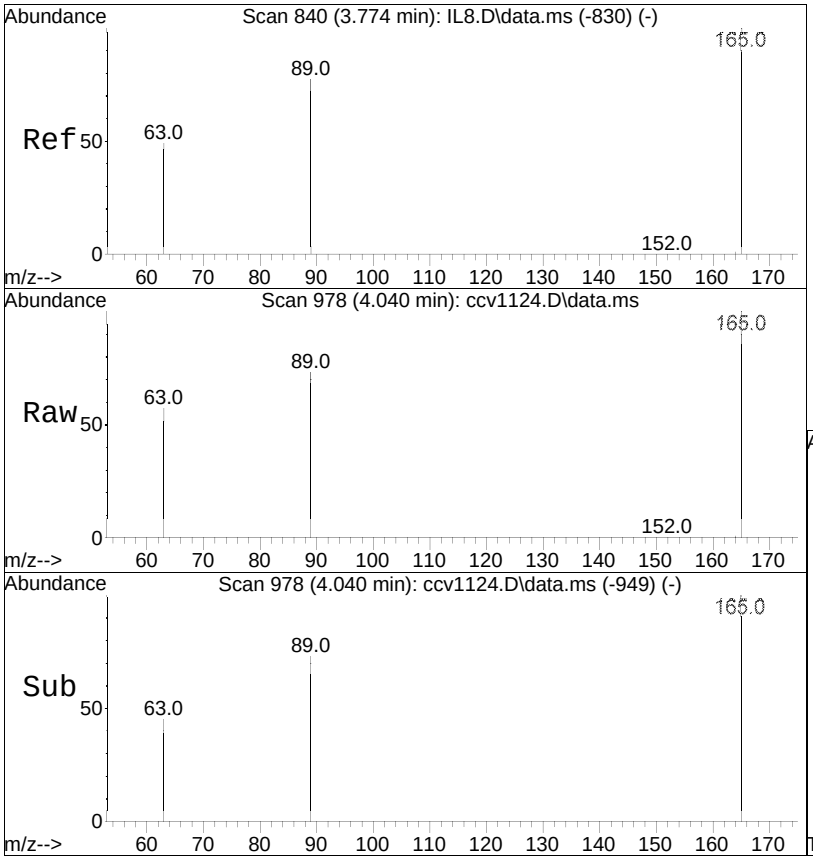


#18
Acenaphthene
Concen: 969.67 ng/ml
RT: 3.951 min Scan# 946
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:153 Resp: 150162

Ion	Ratio	Lower	Upper
153	100		
154	94.4	69.8	104.6

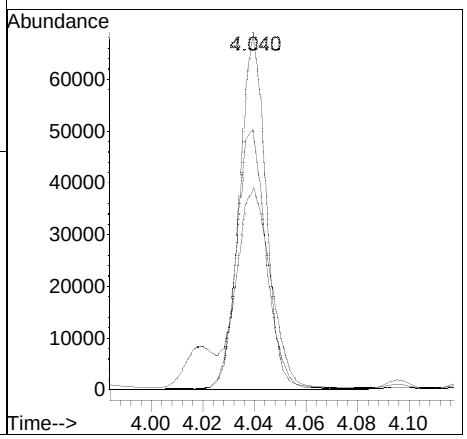


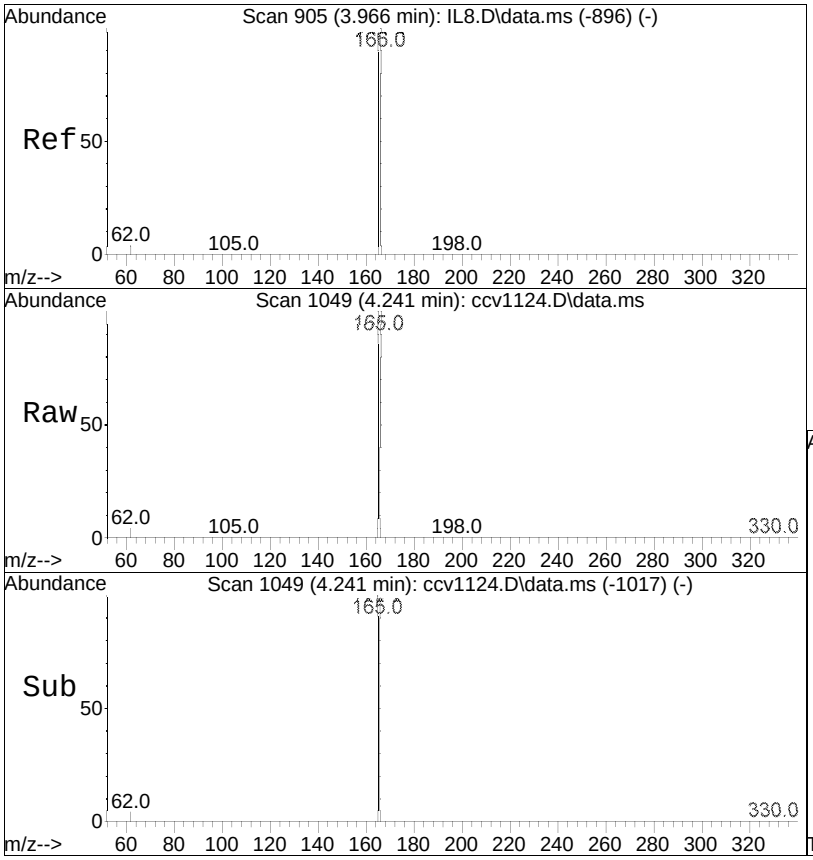


#19
2,4-Dinitrotoluene
Concen: 1126.93 ng/ml
RT: 4.040 min Scan# 978
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:165 Resp: 48590

Ion	Ratio	Lower	Upper
165	100		
89	82.4	65.9	98.9
63	72.4	55.7	83.5

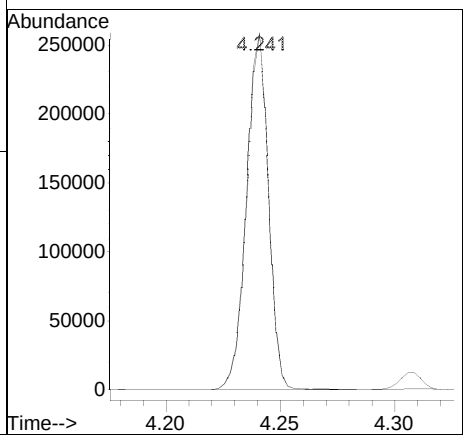


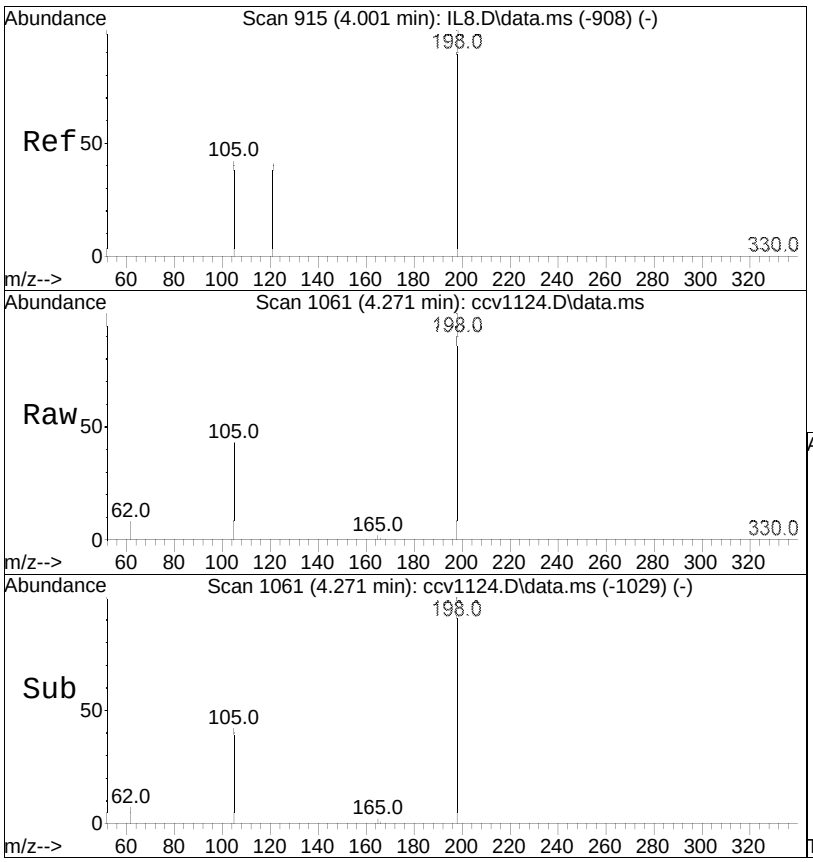


#20
Fluorene
Concen: 1017.42 ng/ml
RT: 4.241 min Scan# 1049
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:166 Resp: 170483

Ion	Ratio	Lower	Upper
166	100		
165	100.9	80.1	120.1

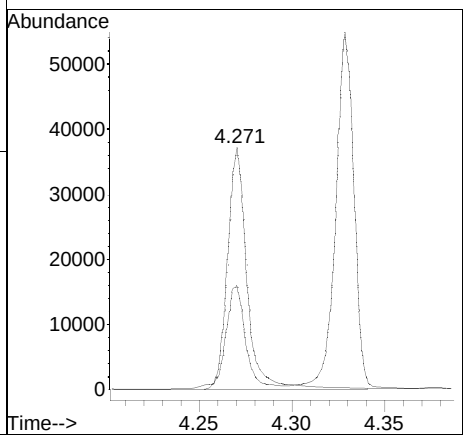


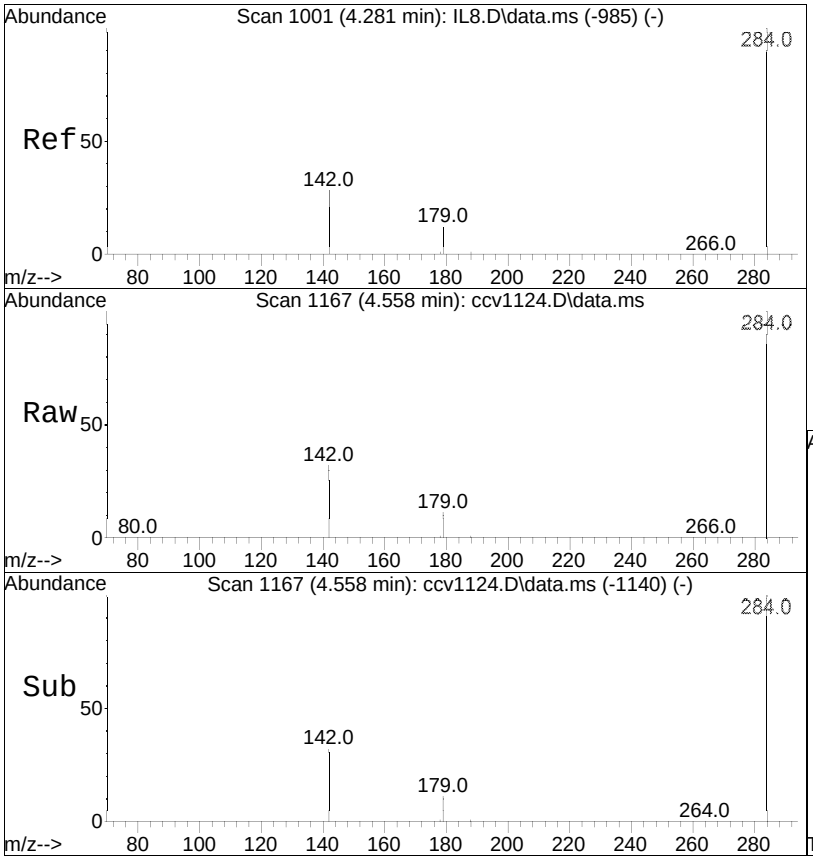


#23
4,6-Dinitro-o-cresol
Concen: 909.30 ng/ml
RT: 4.271 min Scan# 1061
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:198 Resp: 27151

Ion	Ratio	Lower	Upper
198	100		
105	43.9	35.4	53.2

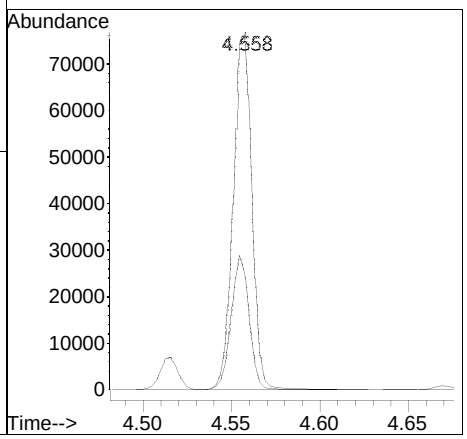


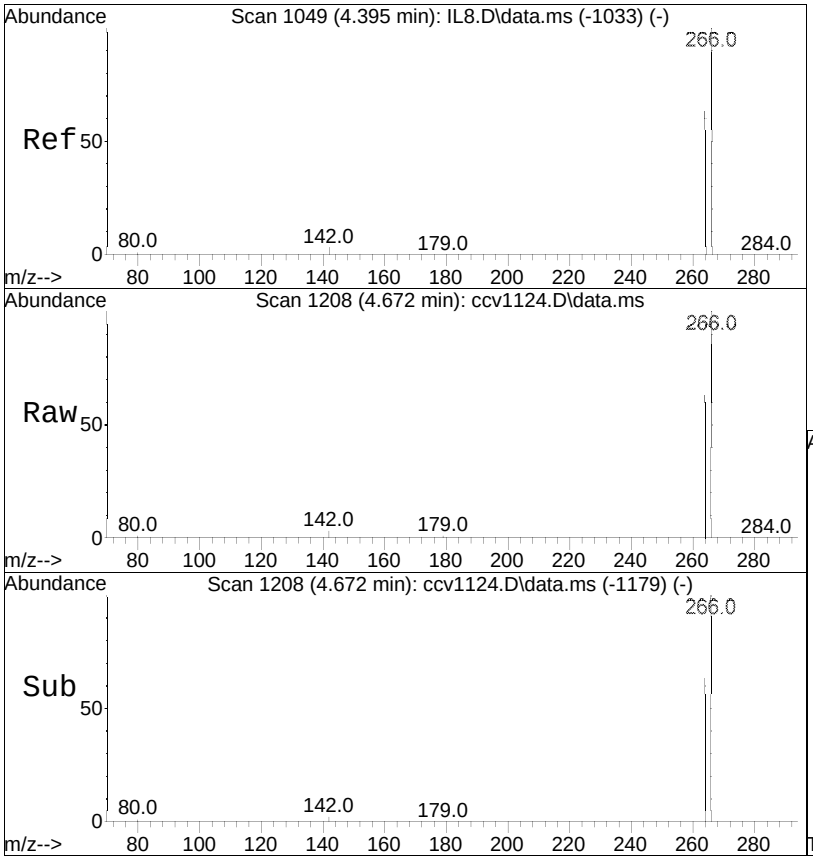


#24
Hexachlorobenzene
Concen: 1032.40 ng/ml
RT: 4.558 min Scan# 1167
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:284 Resp: 55178

Ion	Ratio	Lower	Upper
284	100		
142	36.5	30.2	45.2

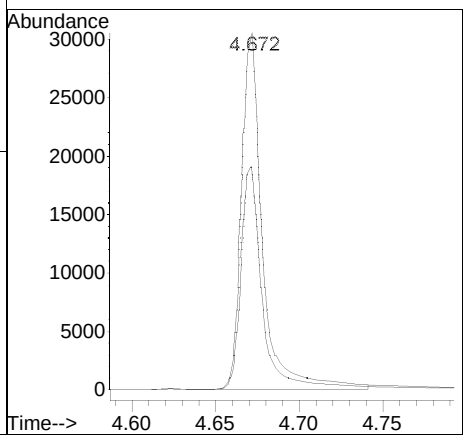


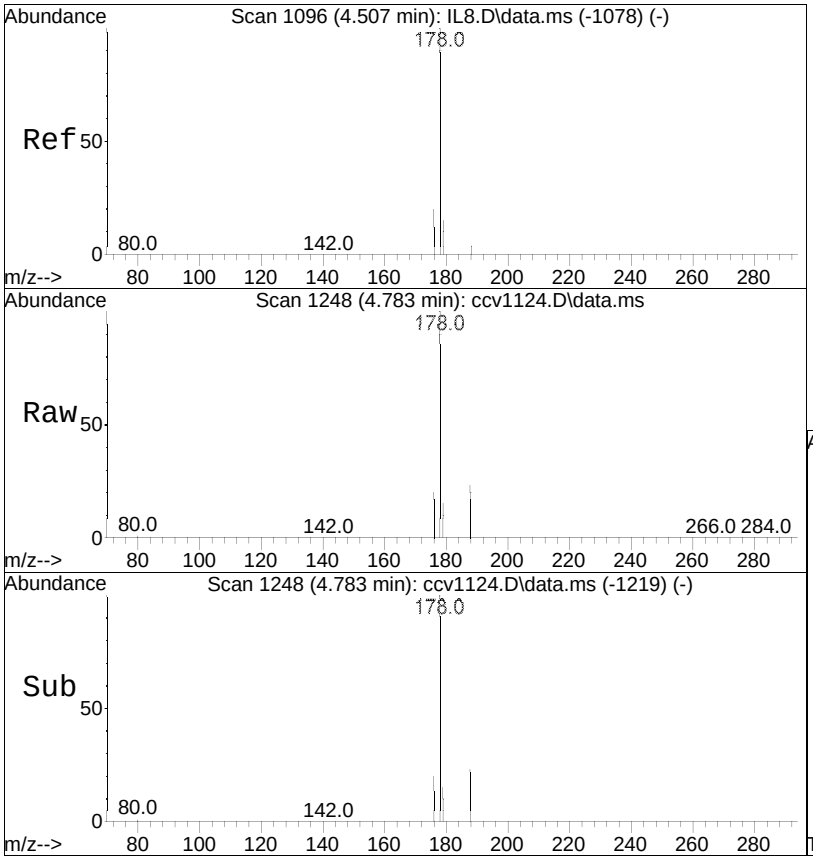


#25
Pentachlorophenol
Concen: 907.78 ng/ml
RT: 4.672 min Scan# 1208
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:266 Resp: 26503

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.3	75.5

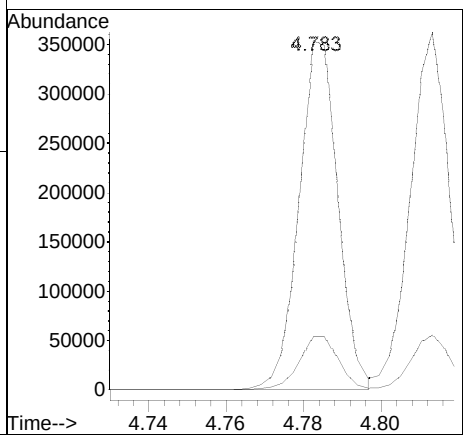


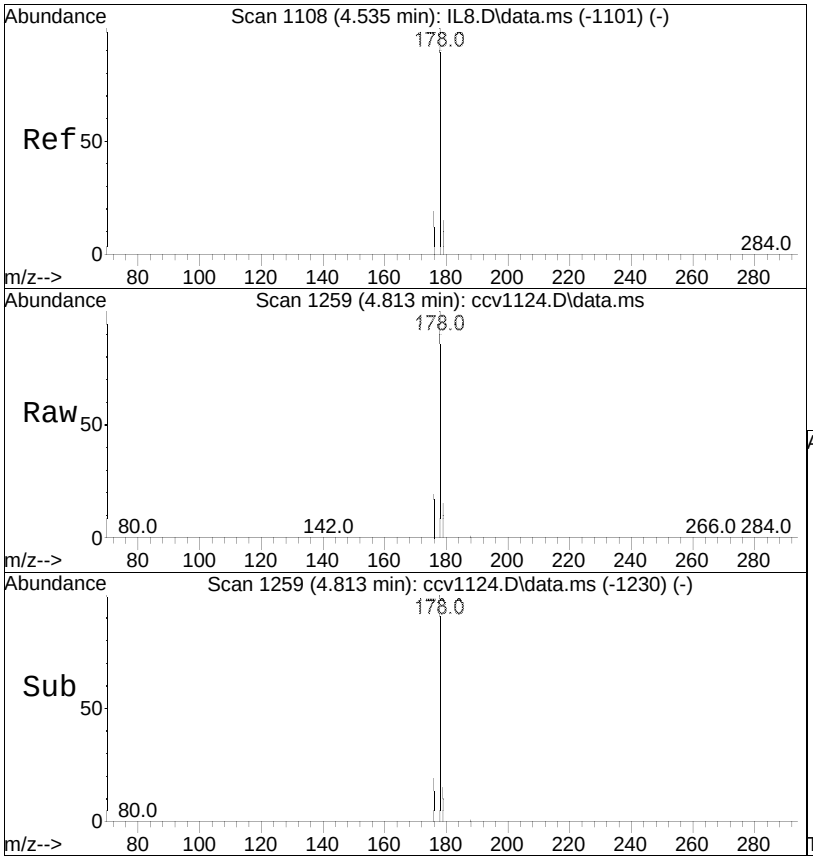


#26
Phenanthrene
Concen: 1022.75 ng/ml
RT: 4.783 min Scan# 1248
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:178 Resp: 246605

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

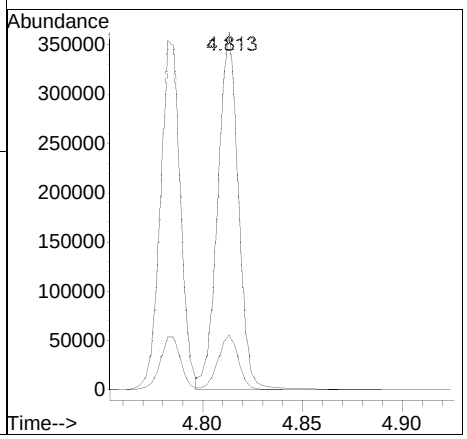


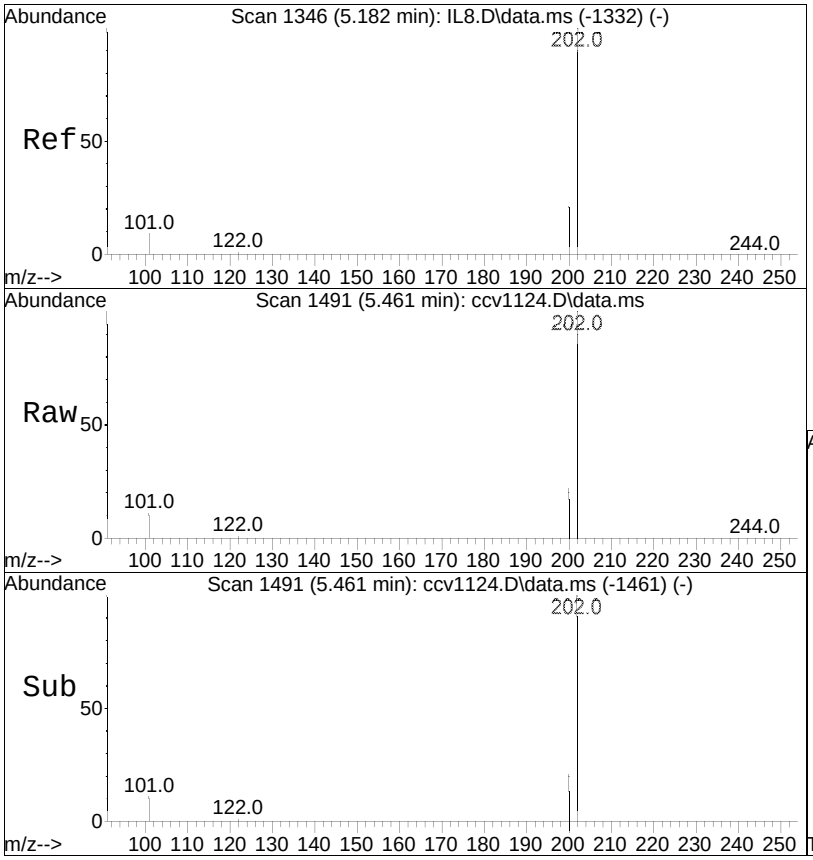


#27
Anthracene
Concen: 1039.04 ng/ml
RT: 4.813 min Scan# 1259
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:178 Resp: 259206

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

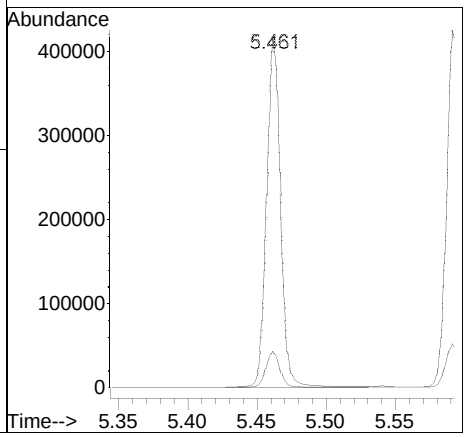


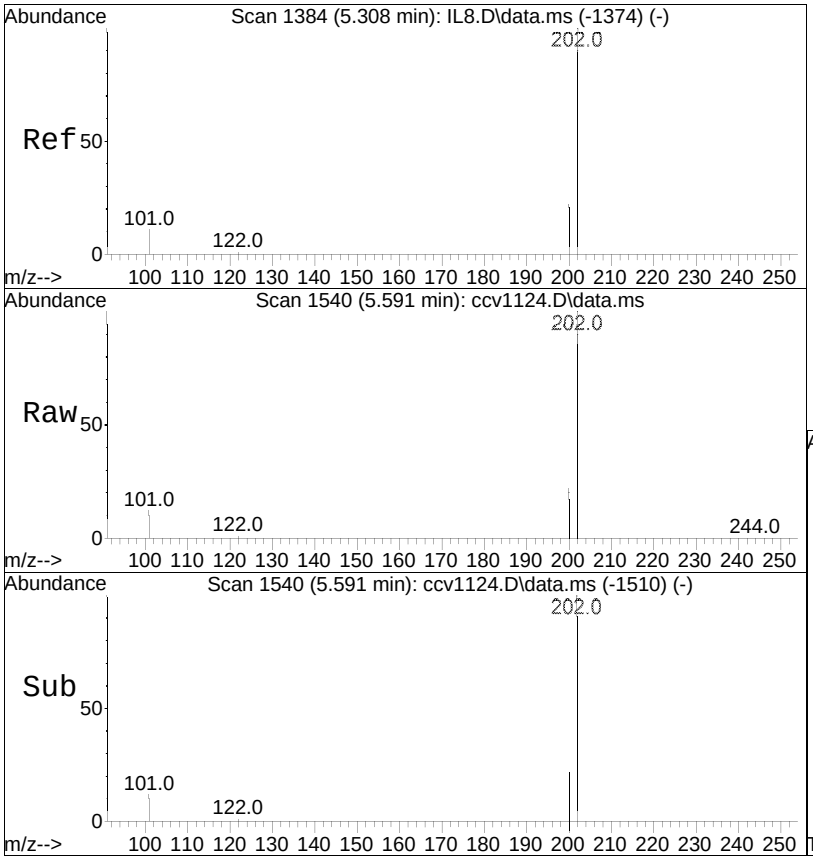


#28
Fluoranthene
Concen: 1054.23 ng/ml
RT: 5.461 min Scan# 1491
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:202 Resp: 292776

Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.8	11.6

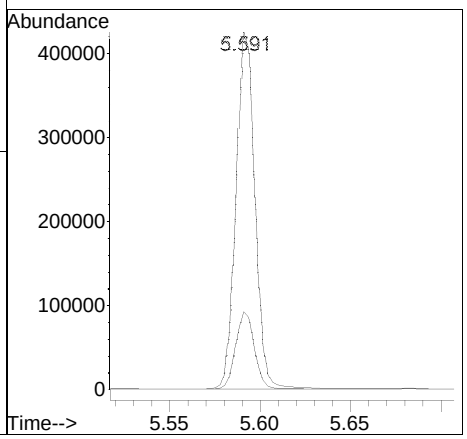


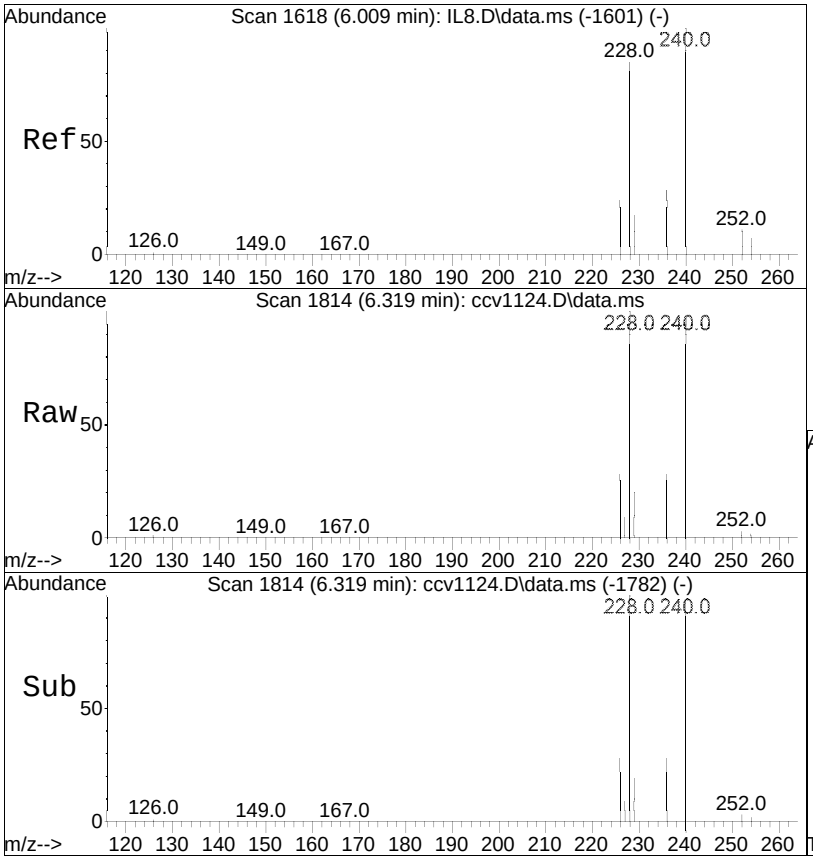


#29
Pyrene
Concen: 1069.16 ng/ml
RT: 5.591 min Scan# 1540
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:202 Resp: 306176

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3

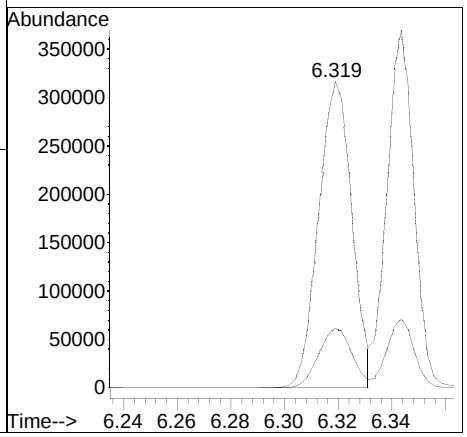


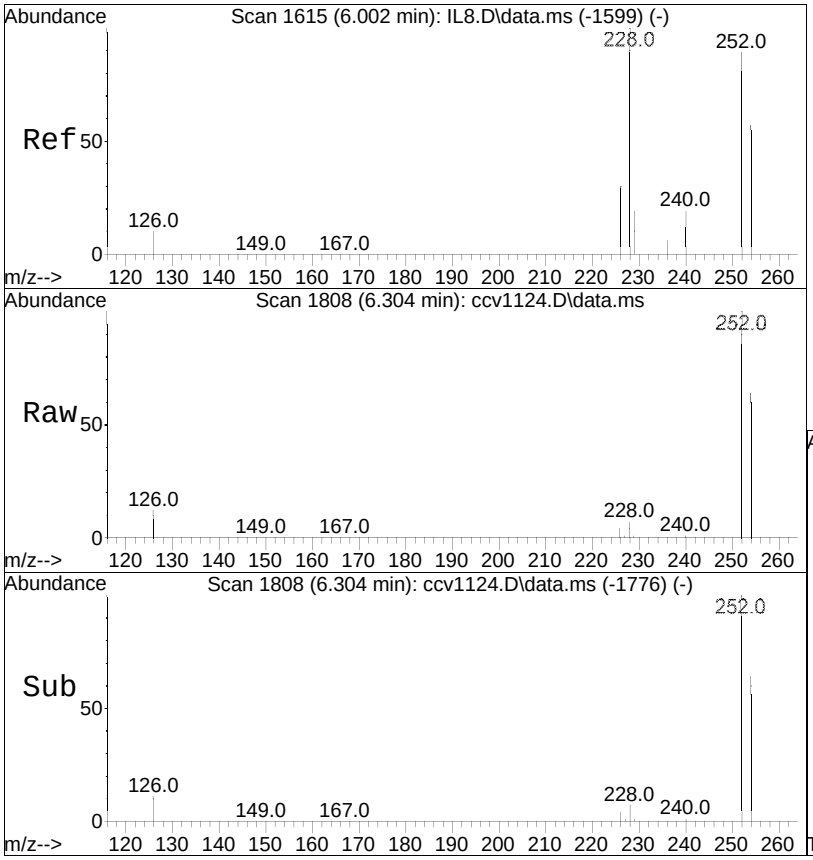


#32
Benzo[a]anthracene
Concen: 1018.55 ng/ml
RT: 6.319 min Scan# 1814
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:228 Resp: 272291

Ion	Ratio	Lower	Upper
228	100		
229	19.5	16.2	24.4

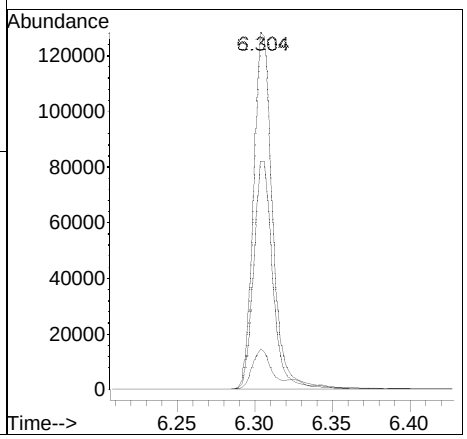


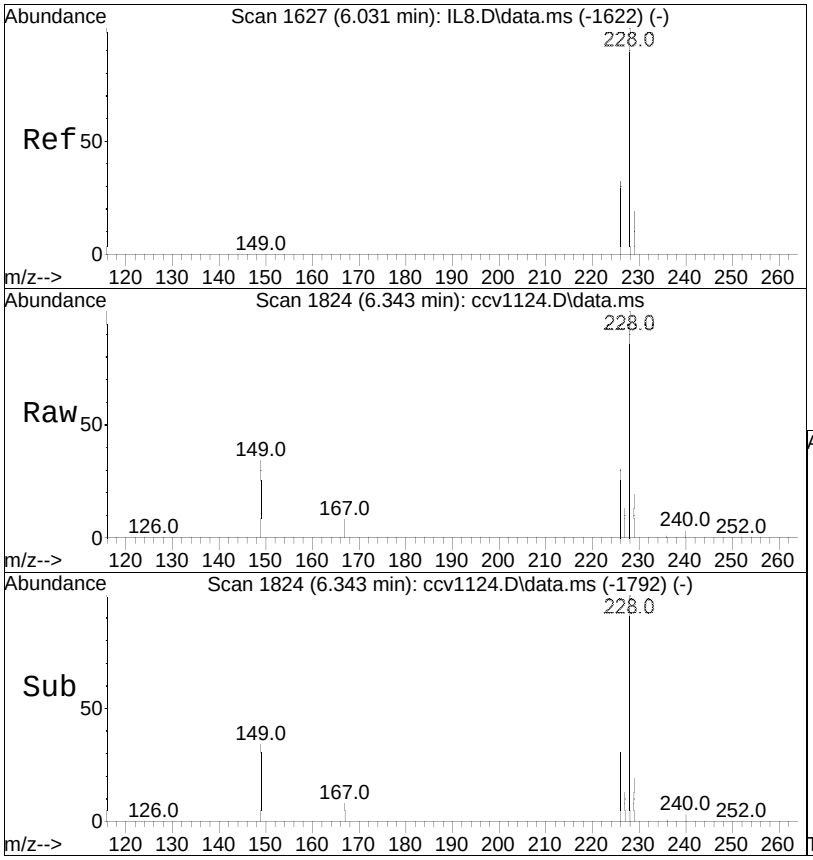


#33
3,3'-Dichlorobenzene
Concen: 1147.97 ng/ml
RT: 6.304 min Scan# 1808
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:252 Resp: 108017

Ion	Ratio	Lower	Upper
252	100		
126	11.5	10.9	16.3
254	64.3	51.4	77.2

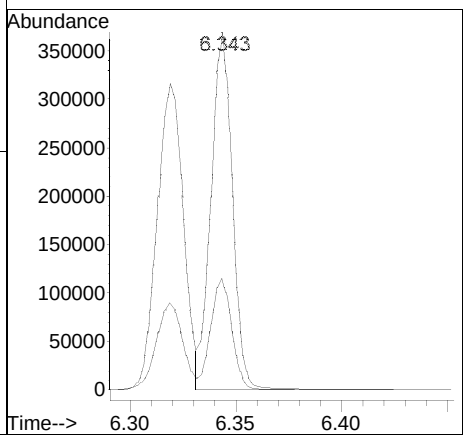


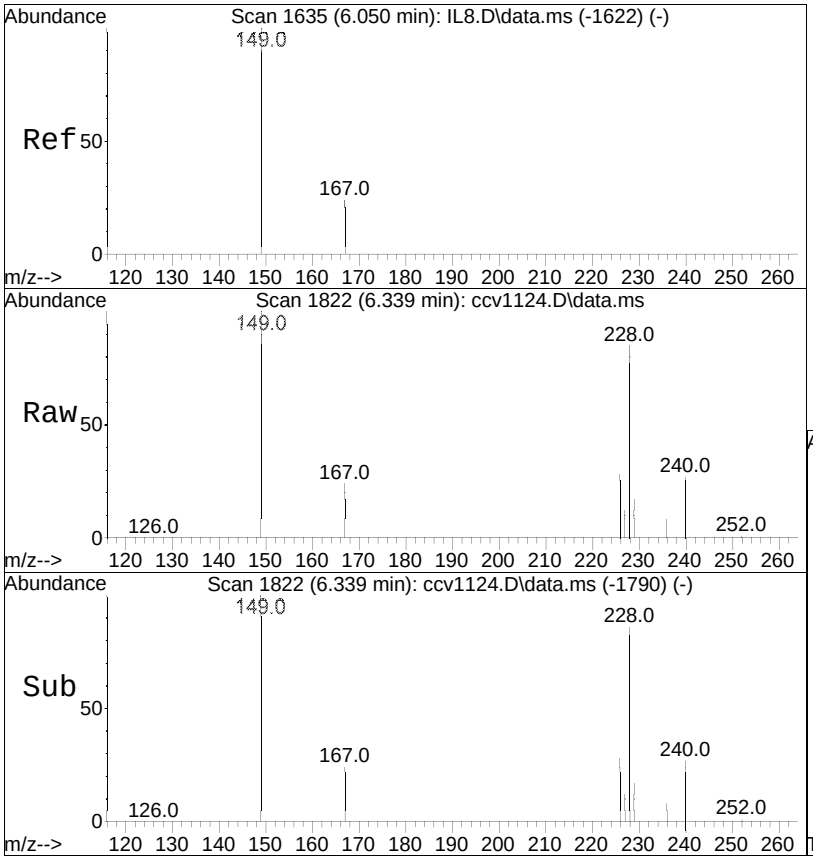


#34
Chrysene
Concen: 1117.32 ng/ml
RT: 6.343 min Scan# 1824
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:228 Resp: 257482

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3

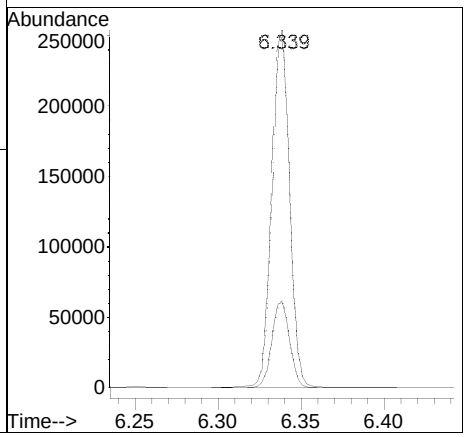


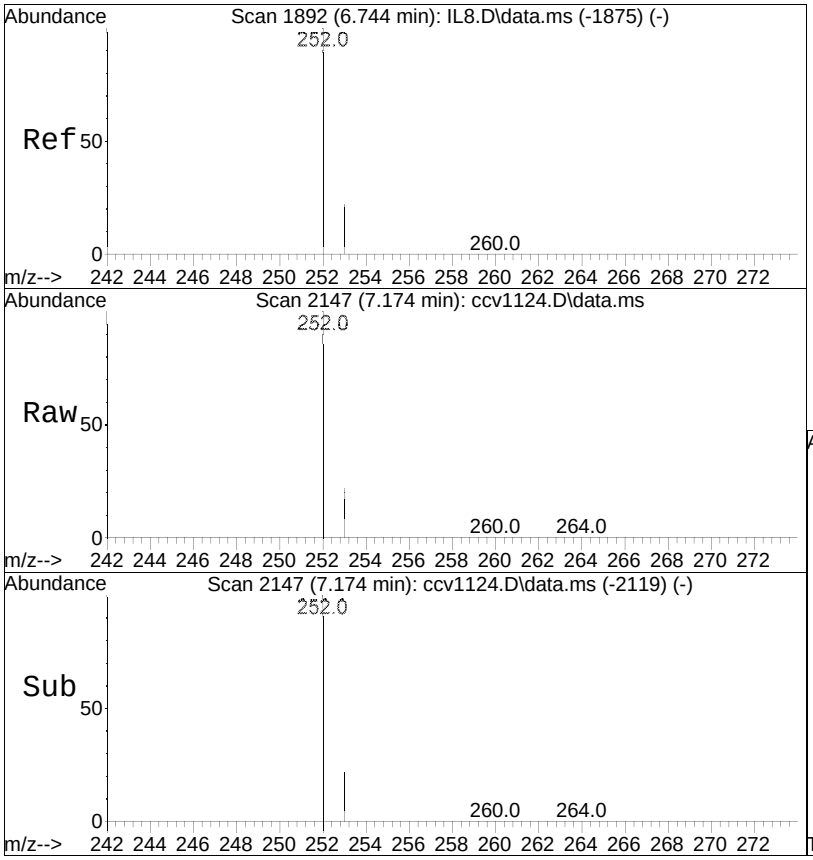


#35
Bis(2-ethylhexyl)phthalate
Concen: 1205.79 ng/ml
RT: 6.339 min Scan# 1822
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:149 Resp: 185737

Ion	Ratio	Lower	Upper
149	100		
167	24.4	19.6	29.4

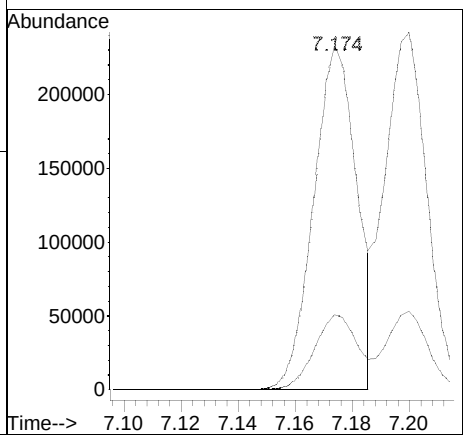


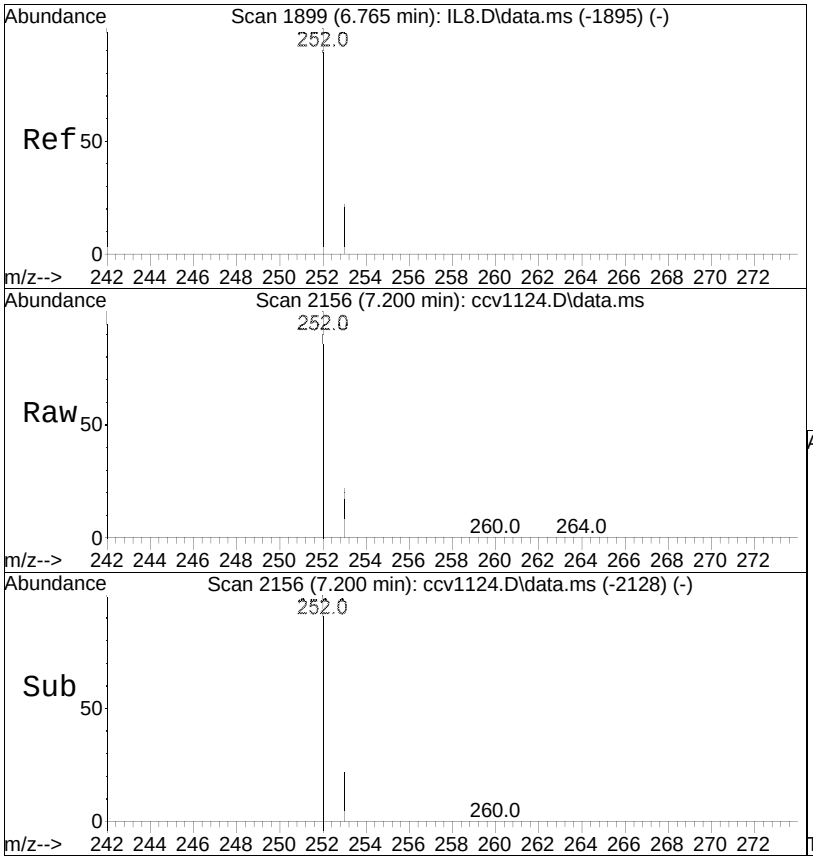


#37
Benzo[b]fluoranthene
Concen: 967.74 ng/ml
RT: 7.174 min Scan# 2147
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:252 Resp: 244380

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

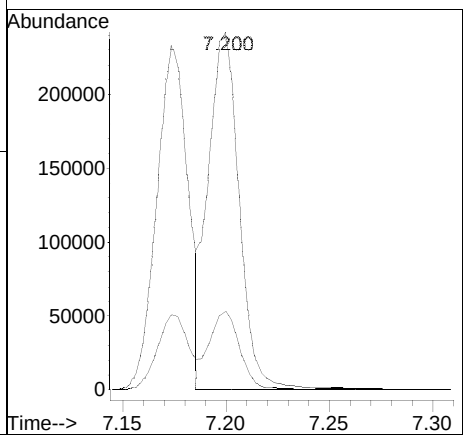


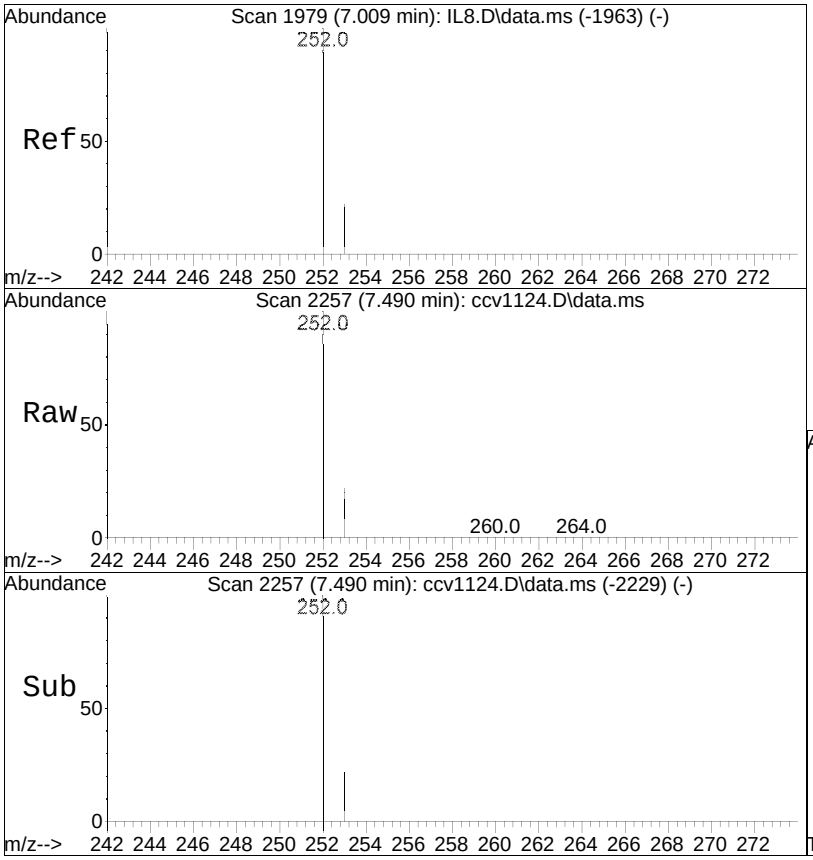


#38
Benzo[k]fluoranthene
Concen: 1100.86 ng/ml
RT: 7.200 min Scan# 2156
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:252 Resp: 249914

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

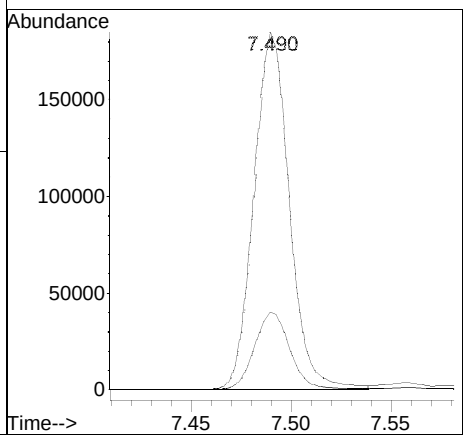


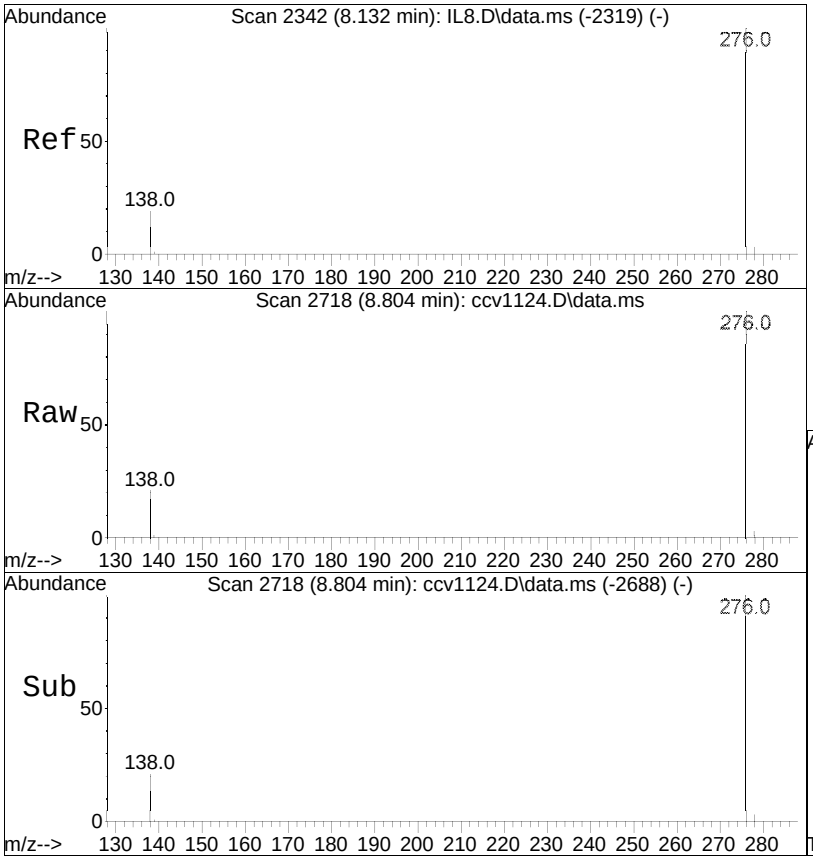


#39
Benzo[a]pyrene
Concen: 1088.31 ng/ml
RT: 7.490 min Scan# 2257
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:252 Resp: 225108

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

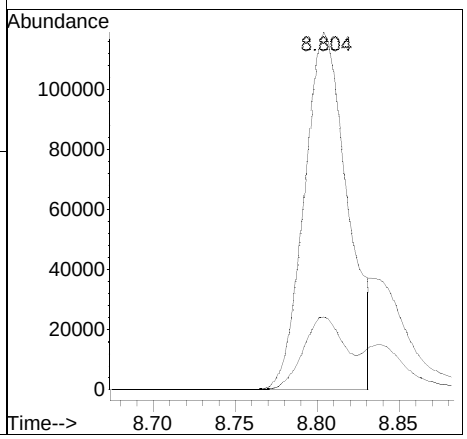


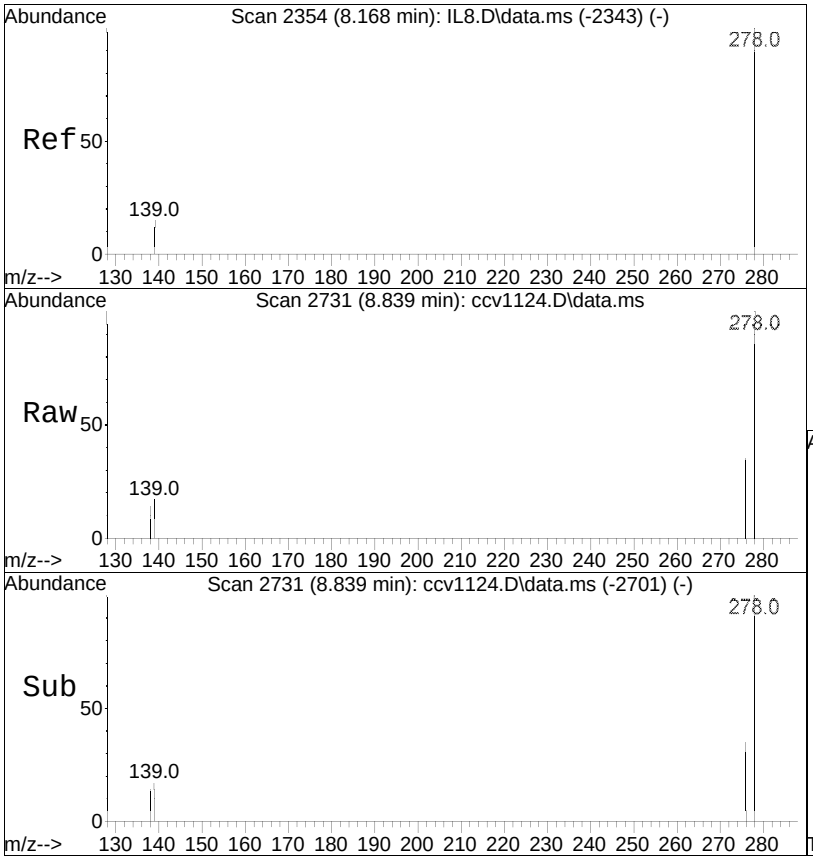


#40
Indeno[1,2,3-cd]pyrene
Concen: 1020.63 ng/ml M6
RT: 8.804 min Scan# 2718
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:276 Resp: 215866

Ion	Ratio	Lower	Upper
276	100		
138	19.3	15.4	23.0

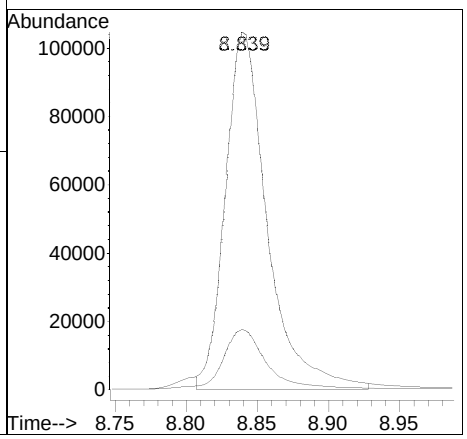


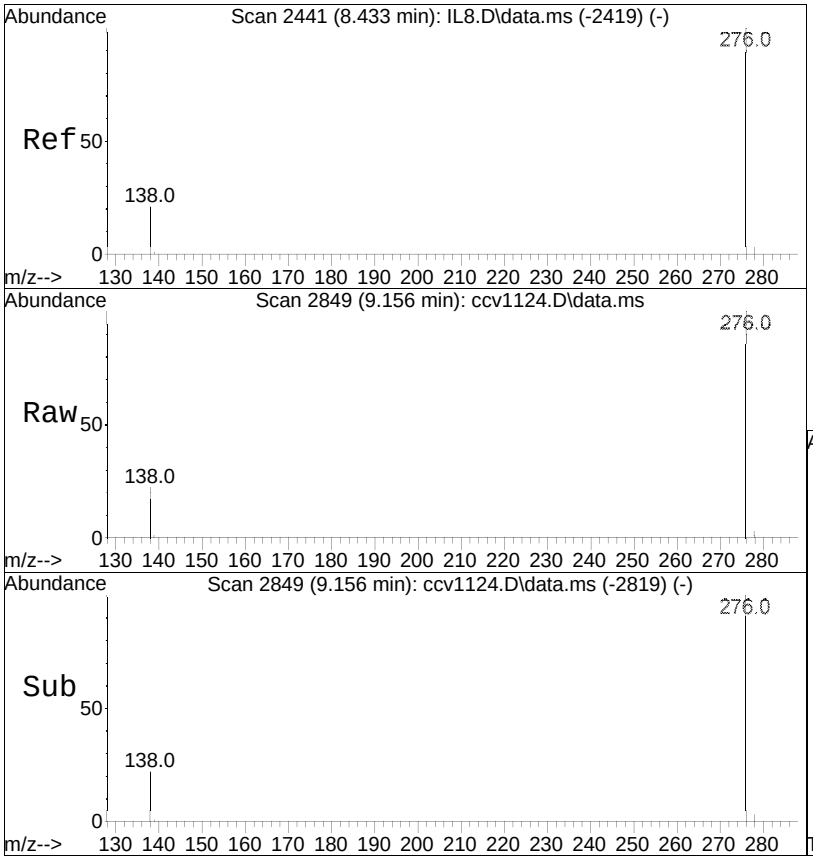


#41
Dibenzo[a,h]anthracene
Concen: 1074.69 ng/ml M6
RT: 8.839 min Scan# 2731
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:278 Resp: 213535

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.0	19.6

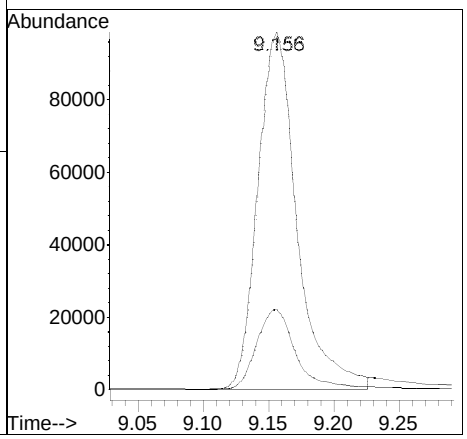




#42
Benzo[g,h,i]perylene
Concen: 986.42 ng/ml
RT: 9.156 min Scan# 2849
Delta R.T. 0.000 min
Lab File: ccv1124.D
Acq: 24 Nov 2024 10:23 am

Tgt Ion:276 Resp: 202627

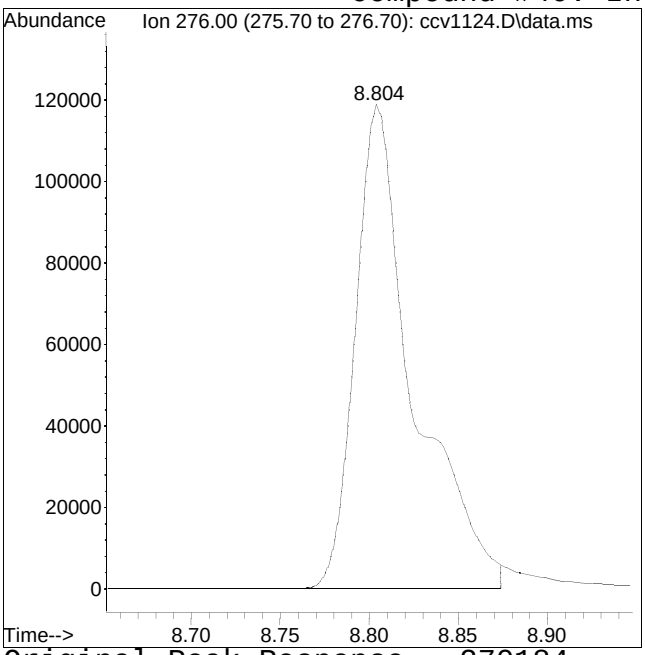
Ion	Ratio	Lower	Upper
276	100		
138	22.6	16.6	25.0



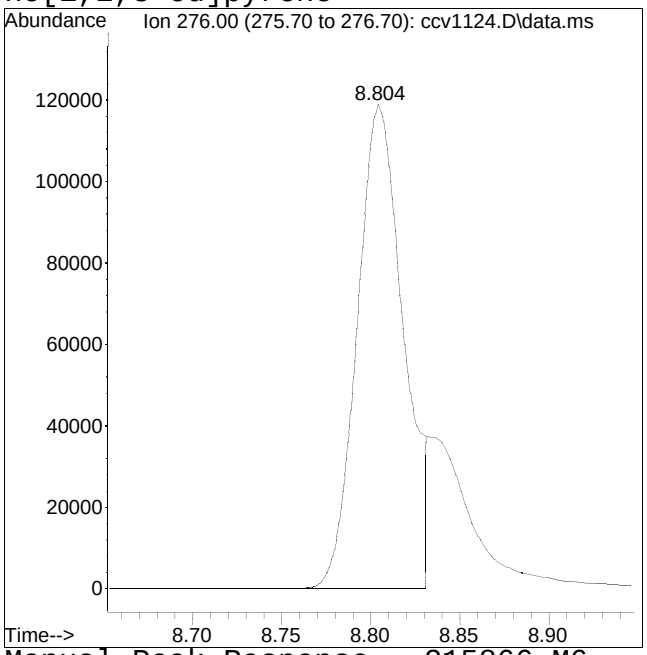
Manual Integration Report

Data Path : I:\8270SIM\sv120\241124RVTQMethod : SIM-RVT_241105_sv120.M
Data File : ccv1124.D Operator : SV120:kmh
Date Inj'd : 11/24/2024 10:23 am Instrument : SV120
Sample : wg2001670-3,32,,ICV 10884 Quant Date : 11/24/2024 10:38 am

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 270184



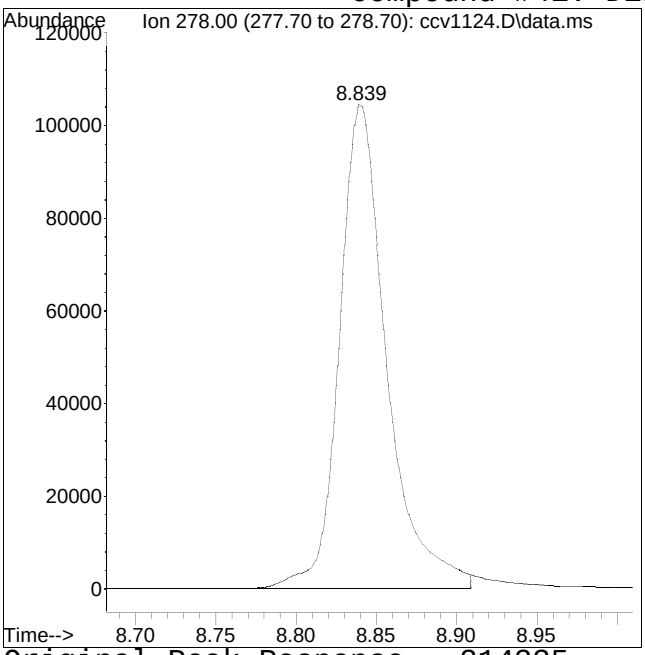
Manual Peak Response = 215866 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

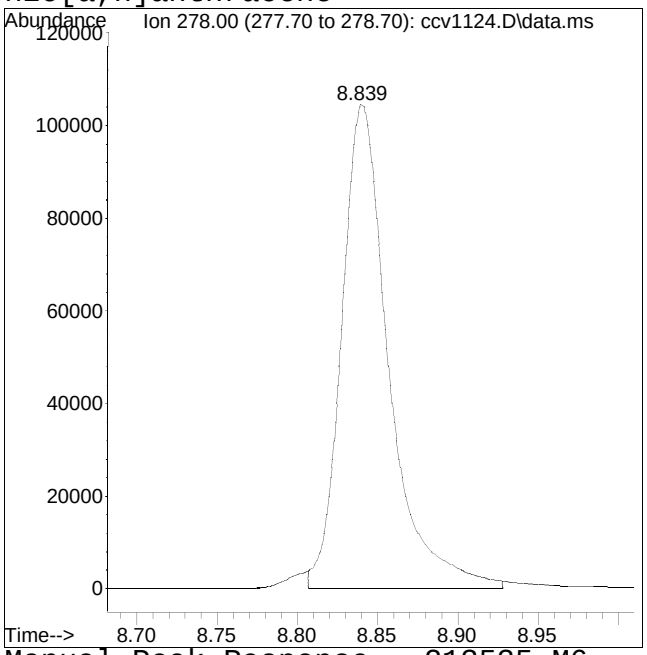
Manual Integration Report

Data Path : I:\8270SIM\sv120\241124RVTQMethod : SIM-RVT_241105_sv120.M
Data File : ccv1124.D Operator : SV120:kmh
Date Inj'd : 11/24/2024 10:23 am Instrument : SV120
Sample : wg2001670-3,32,,ICV 10884 Quant Date : 11/24/2024 10:38 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 214335



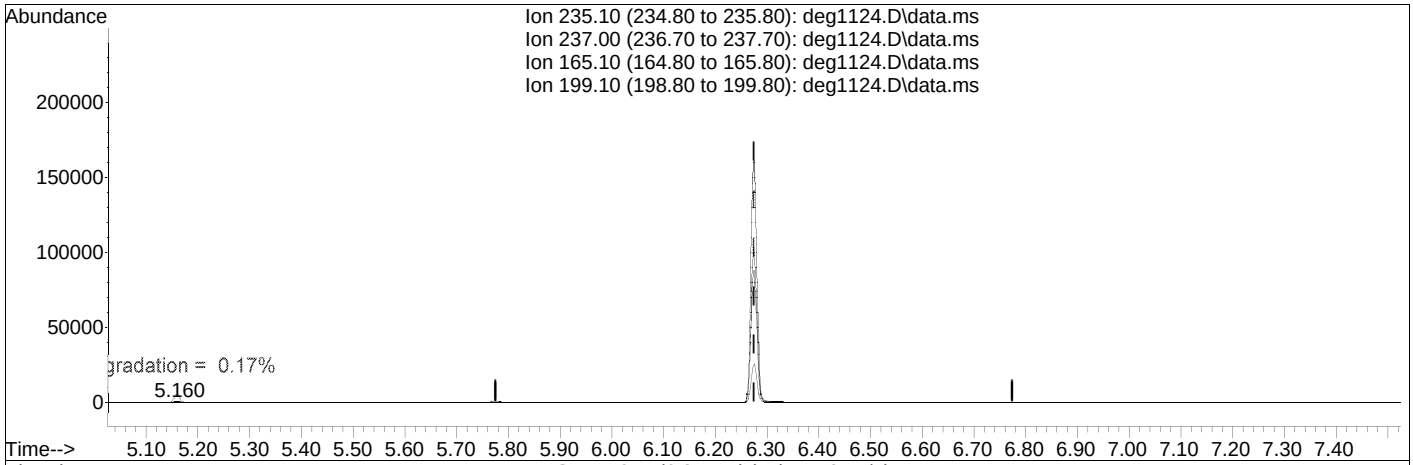
Manual Peak Response = 213535 M6

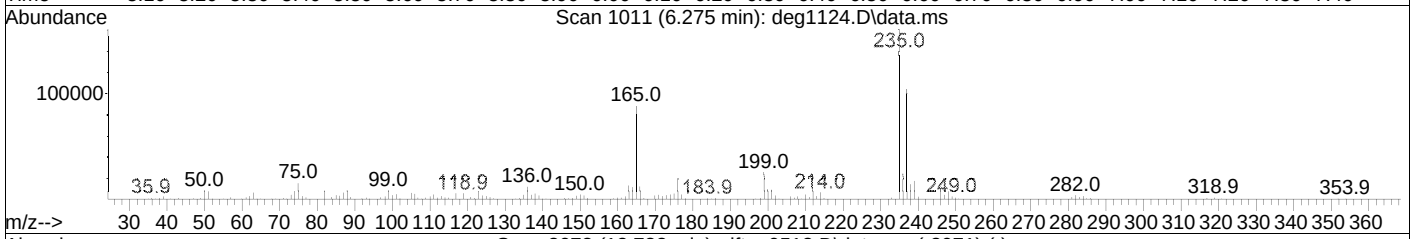
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

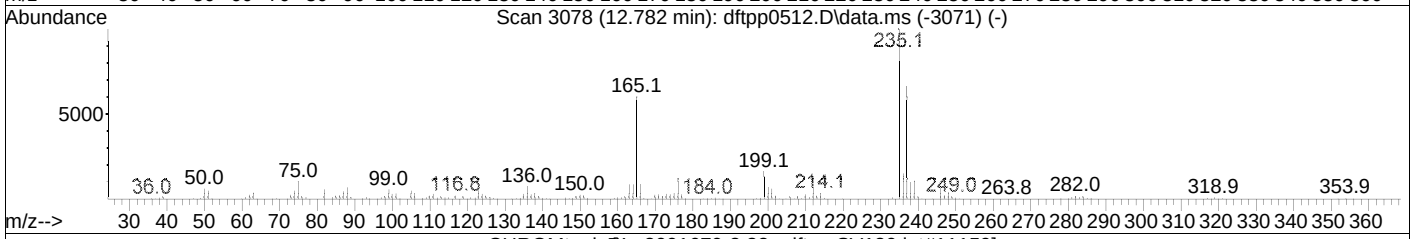
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : deg1124.D
Acq On : 24 Nov 2024 10:07 am
Operator : SV120:kmh
Sample : wg2001670-2,32,, dftpp SV120 lot#11159
Misc : wg2001670,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 24 10:20:28 2024
Quant Method : I:\8270SIM\sv120\241124RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools Tag [wg2001670-2,32,, dftpp SV120 lot#11159]

(6) ddt (T)

6.275min (0.000) 20.58

response 125420

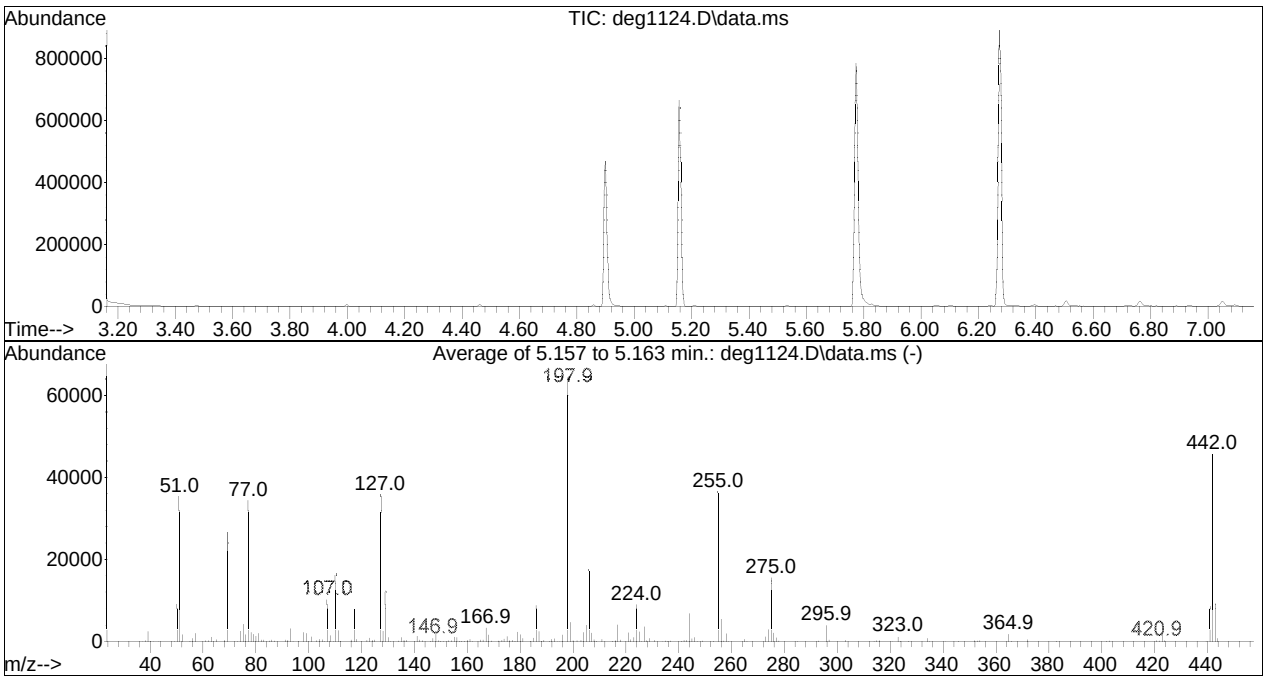
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.08
165.10	53.30	54.84
199.10	17.10	15.86

DFTPP

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : deg1124.D
Acq On : 24 Nov 2024 10:07 am
Operator : SV120:kmh
Sample : wg2001670-1,32,, dftpp SV120 lot#11159
Misc : wg2001670,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\241124RVT\SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sun Nov 24 10:38:34 2024



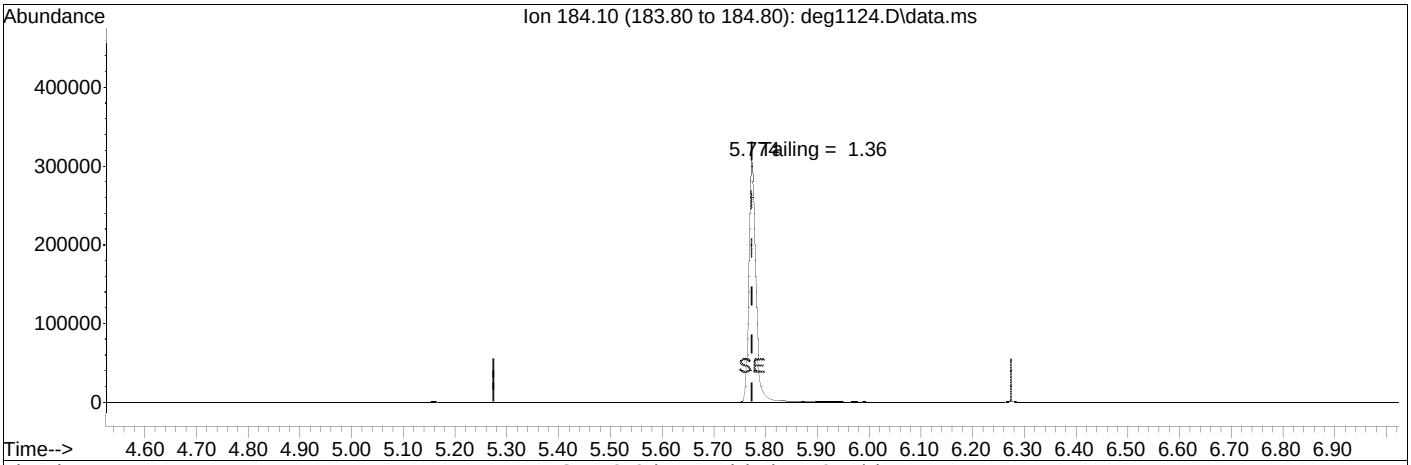
Spectrum Information: Average of 5.157 to 5.163 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	54.8	35261	PASS
68	69	0.00	2	1.8	481	PASS
69	69	100	100	100.0	26499	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	55.7	35843	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	64360	PASS
199	198	5	9	7.3	4725	PASS
275	198	10	60	24.0	15453	PASS
365	198	1	100	2.9	1852	PASS
441	442	0.01	24	18.7	8552	PASS
442	198	50	100	71.0	45699	PASS
443	442	15	24	20.4	9317	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : deg1124.D
Acq On : 24 Nov 2024 10:07 am
Operator : SV120:kmh
Sample : wg2001670-4,32,, dftpp SV120 lot#11159
Misc : wg2001670,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 24 10:20:28 2024
Quant Method : I:\8270SIM\sv120\241124RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools [wg2001670-4,32,, dftpp SV120 lot#11159]

(3) benzidine (T)

5.774min (-0.000) 27.05

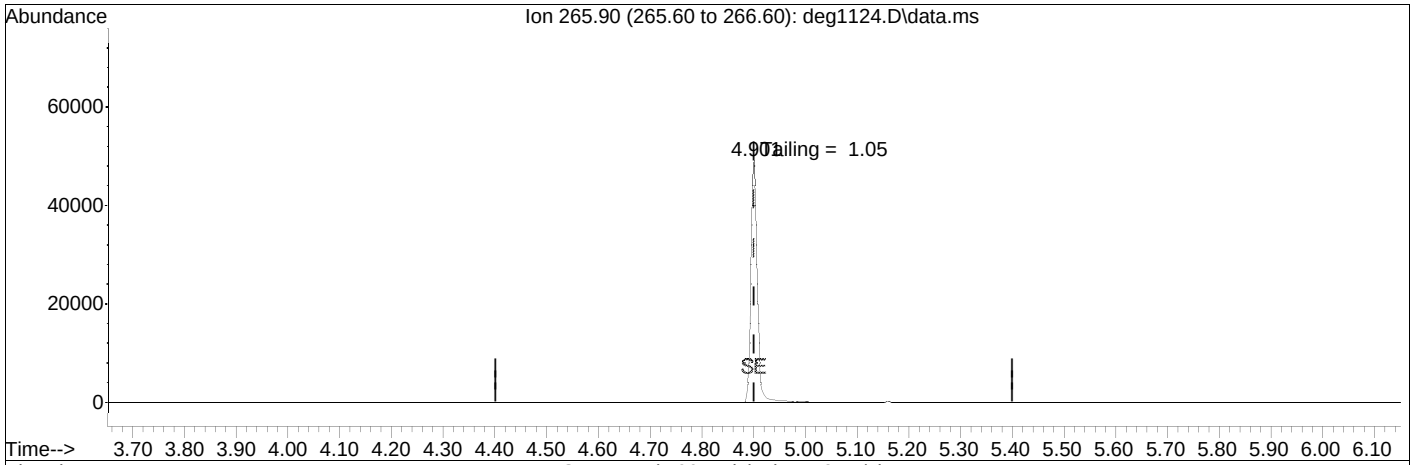
response 275382

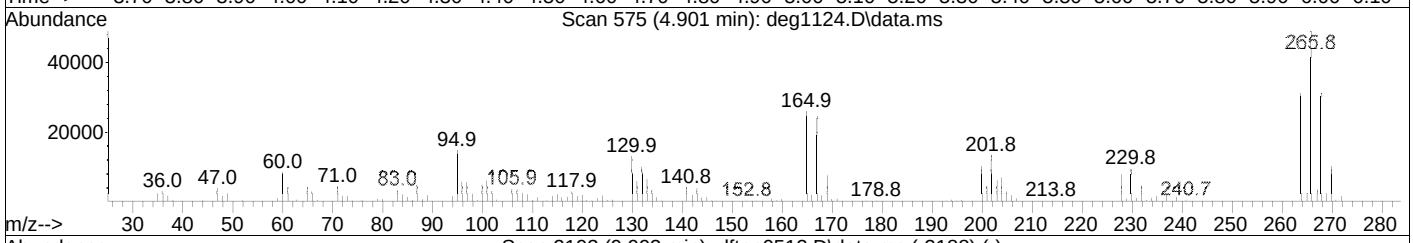
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

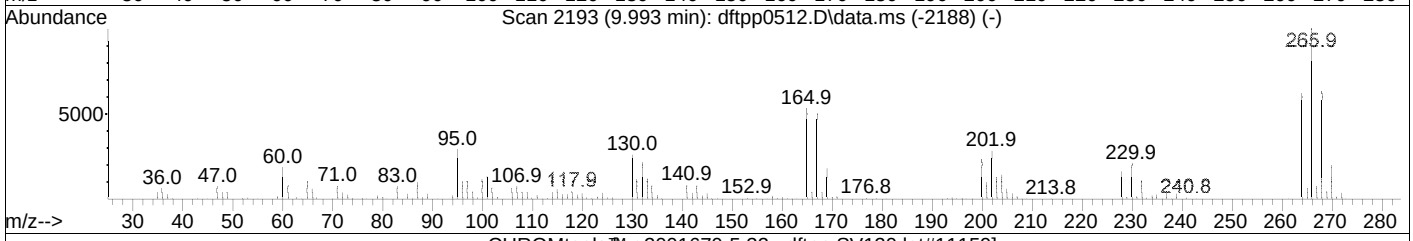
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : deg1124.D
Acq On : 24 Nov 2024 10:07 am
Operator : SV120:kmh
Sample : wg2001670-5,32,, dftpp SV120 lot#11159
Misc : wg2001670,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 24 10:20:28 2024
Quant Method : I:\8270SIM\sv120\241124RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools [wg2001670-5,32,, dftpp SV120 lot#11159]

(1) pentachlorophenol (T)

4.901min (+ 0.000) 18.96

response 39814

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\sv120\241123RVT\
Data File : 001354-1.D
Acq On : 23 Nov 2024 09:35 pm
Operator : SV120:dv
Sample : WG2001354-1,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 25 12:21:11 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	308968	4000.000	ng/ml	0.01
Standard Area 1 = 197300			Recovery = 156.60%			
8) Naphthalene-d8	2.954	136	1205645	4000.000	ng/ml	0.00
Standard Area 1 = 788071			Recovery = 152.99%			
17) Acenaphthene-d10	3.928	164	657406	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery = 144.52%			
22) Phenanthrene-d10	4.769	188	1183714	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery = 132.18%			
31) Chrysene-d12	6.333	240	923634	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery = 115.32%			
36) Perylene-d12	7.564	264	769850	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery = 101.53%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.744	112	115750	1272.761	ng/ml	0.04
Spiked Amount 2000.000	Range 15 - 110		Recovery = 63.64%			
3) Phenol-d6	2.119	99	107986	966.355	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.32%			
7) Nitrobenzene-d5	2.575	82	92792	940.619	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.06%			
13) 2-Fluorobiphenyl	3.550	172	210076	864.494	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.45%			
21) 2,4,6-Tribromophenol	4.376	330	56121	2144.469	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 107.22%			
30) 4-Terphenyl-d14	5.683	244	219673	1020.605	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 51.03%			

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D. 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\sv120\241123RVT\
Data File : 001354-1.D
Acq On : 23 Nov 2024 09:35 pm
Operator : SV120:dv
Sample : WG2001354-1,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 25 12:21:11 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	

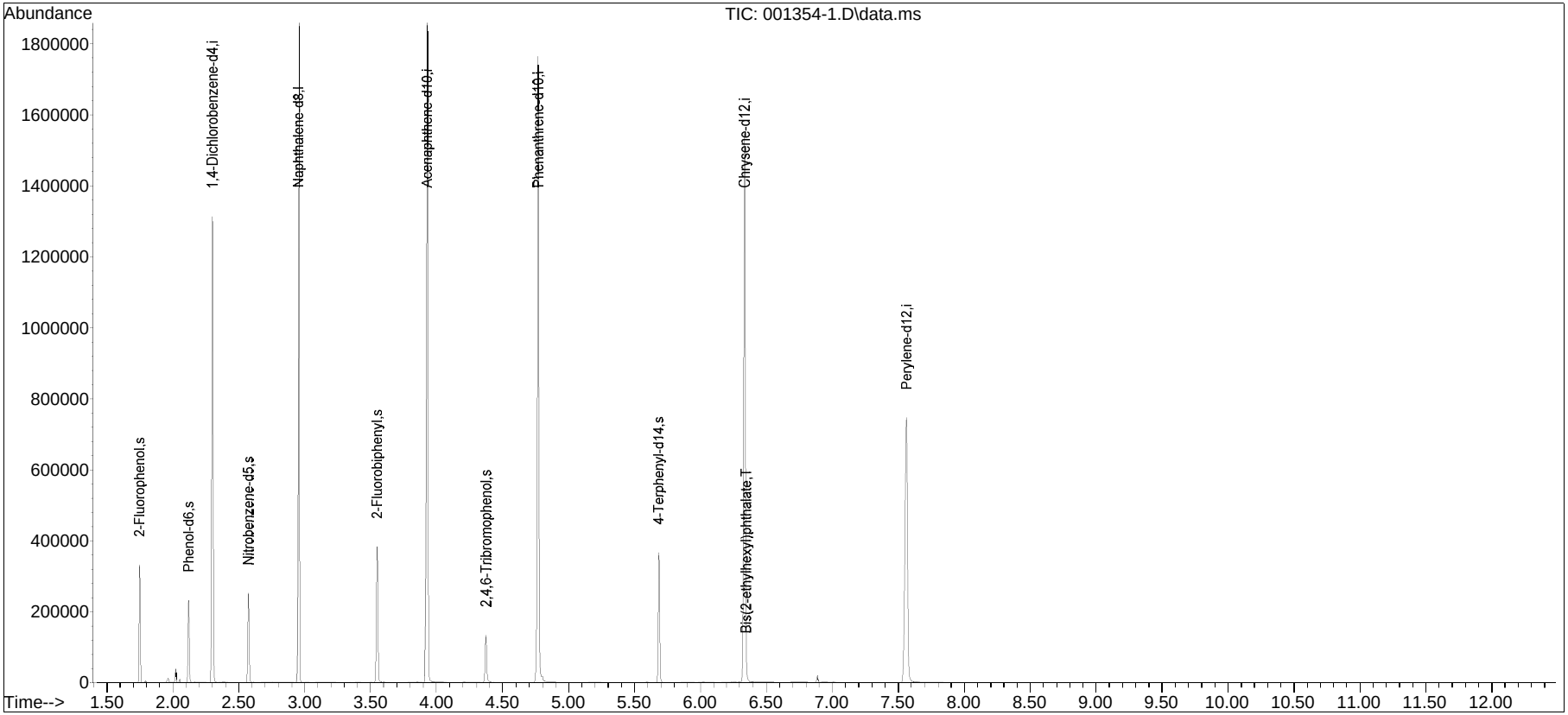
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 001354-1.D
Acq On : 23 Nov 2024 09:35 pm
Operator : SV120:dv
Sample : WG2001354-1,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 25 12:21:11 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241123RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 001354-1.D	Operator	: SV120:dv
Date Inj'd	: 11/23/2024 9:35 pm	Instrument	: SV120
Sample	: WG2001354-1,32,,rp	Quant Date	: 11/23/2024 9:48 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-1.D
Acq On : 24 Nov 2024 10:56 am
Operator : SV120:kmh
Sample : WG2001588-1,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 09:57:16 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.297	152	341500	4000.000 ng/ml	0.00
Standard Area 1 = 217001			Recovery	= 157.37%	
8) Naphthalene-d8	2.956	136	1372589	4000.000 ng/ml	0.00
Standard Area 1 = 867141			Recovery	= 158.29%	
17) Acenaphthene-d10	3.929	164	795120	4000.000 ng/ml	0.00
Standard Area 1 = 513045			Recovery	= 154.98%	
22) Phenanthrene-d10	4.769	188	1516387	4000.000 ng/ml	0.00
Standard Area 1 = 1011820			Recovery	= 149.87%	
31) Chrysene-d12	6.329	240	1232152	4000.000 ng/ml	0.00
Standard Area 1 = 870473			Recovery	= 141.55%	
36) Perylene-d12	7.561	264	1022520	4000.000 ng/ml	0.00
Standard Area 1 = 832237			Recovery	= 122.86%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.737	112	53505	532.284 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 26.61%	
3) Phenol-d6	2.117	99	53786	435.473 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 21.77%	
7) Nitrobenzene-d5	2.575	82	74720	685.271 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 68.53%	
13) 2-Fluorobiphenyl	3.547	172	187092	676.269 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 67.63%	
21) 2,4,6-Tribromophenol	4.376	330	42504	1342.843 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 67.14%	
30) 4-Terphenyl-d14	5.684	244	210370	762.960 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 38.15%	
Target Compounds					Qvalue
6) Hexachloroethane	2.553	117	564	12.615 ng/ml	95
9) Naphthalene	2.967	128	4084	11.903 ng/ml#	92
10) Hexachlorobutadiene	3.034	225	1085	16.689 ng/ml	100
11) 2-Methylnaphthalene	3.344	142	3005	12.615 ng/ml	97
14) 2-Chloronaphthalene	3.614	162	2505	10.593 ng/ml#	77
16) Acenaphthylene	3.848	152	2876	8.436 ng/ml#	61
18) Acenaphthene	3.945	153	3142	13.092 ng/ml#	72
20) Fluorene	4.236	166	2781	10.709 ng/ml	96
24) Hexachlorobenzene	4.555	284	900	11.236 ng/ml	96
25) Pentachlorophenol	4.671	266	135	10.131 ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-1.D
Acq On : 24 Nov 2024 10:56 am
Operator : SV120:kmh
Sample : WG2001588-1,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 09:57:16 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.783	178	4752	13.150	ng/ml#	41
27) Anthracene	4.810	178	3465	9.268	ng/ml	98
28) Fluoranthene	5.462	202	4234	10.173	ng/ml	96
29) Pyrene	5.591	202	4446	10.359	ng/ml	100
32) Benzo[a]anthracene	6.327	228	6910	8.750	ng/ml#	89
34) Chrysene	6.344	228	2388	7.321	ng/ml	96
37) Benzo[b]fluoranthene	7.177	252	2293	7.390	ng/ml	100
38) Benzo[k]fluoranthene	7.202	252	2375	8.515	ng/ml	100
39) Benzo[a]pyrene	7.492	252	1867	7.347	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.809	276	1583M6	6.092	ng/ml	
41) Dibenzo[a,h]anthracene	8.850	278	1602M6	6.562	ng/ml	
42) Benzo[g,h,i]perylene	9.159	276	1500	5.943	ng/ml#	86

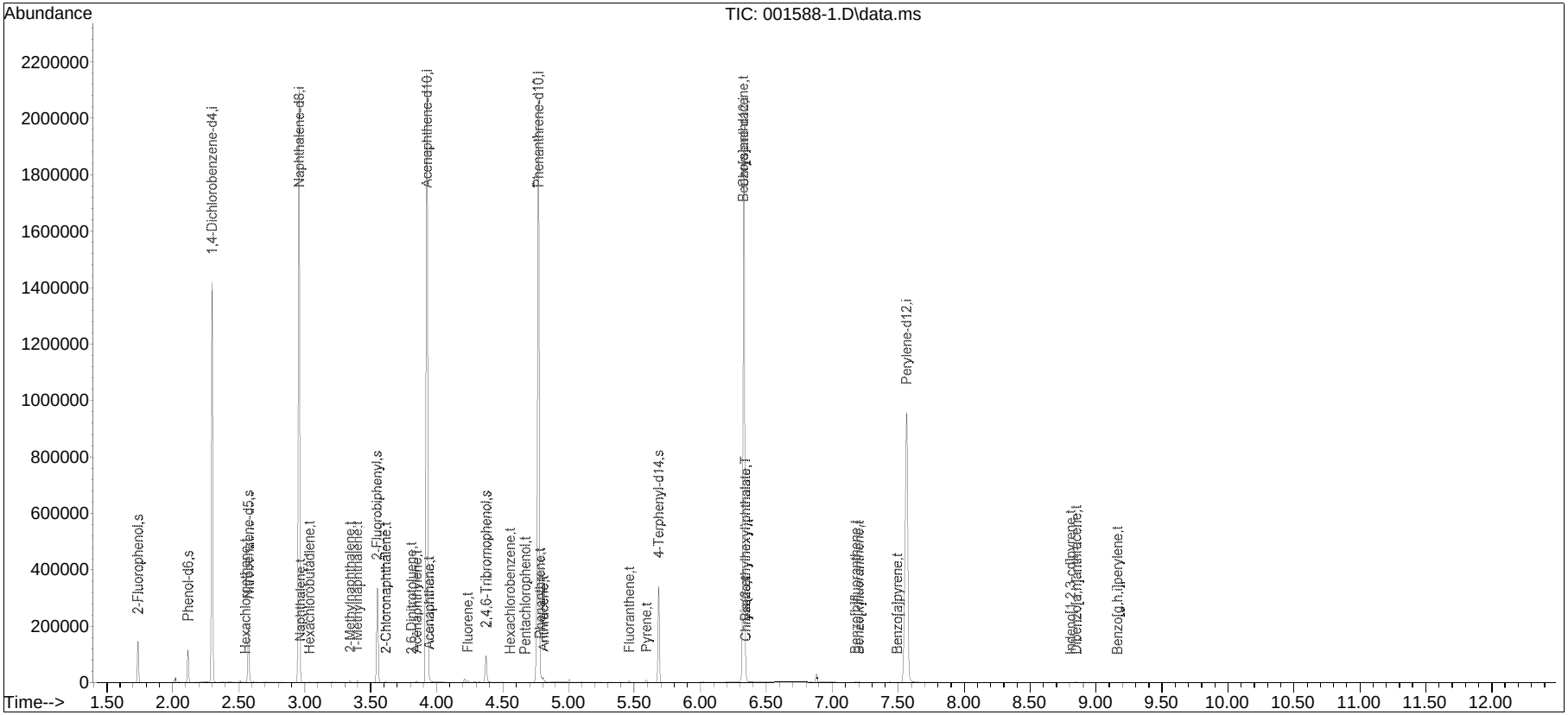
(#) = qualifier out of range (m) = manual integration (+) = signals summed

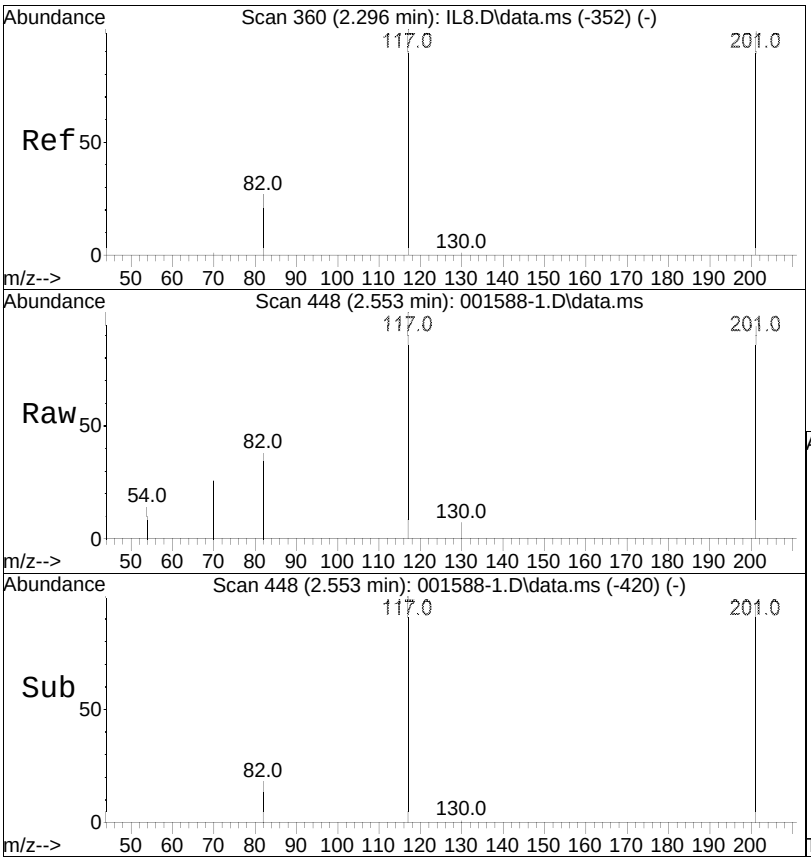
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-1.D
Acq On : 24 Nov 2024 10:56 am
Operator : SV120:kmh
Sample : WG2001588-1,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 09:57:16 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1124.D•

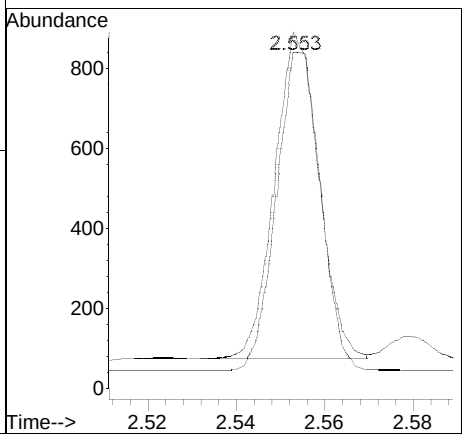


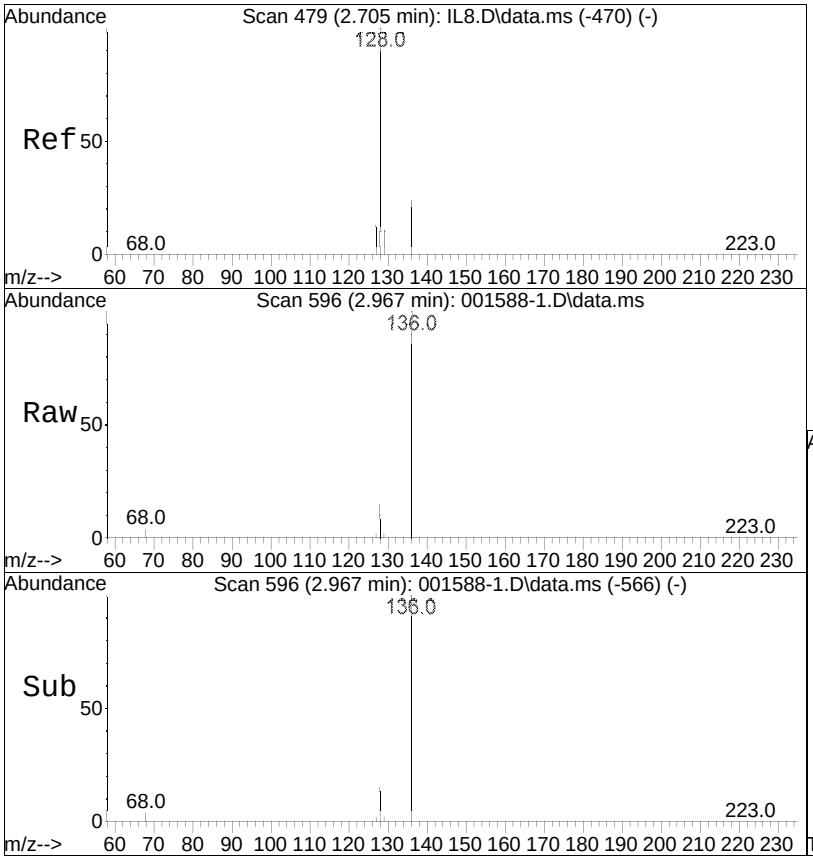


#6
Hexachloroethane
Concen: 12.62 ng/ml
RT: 2.553 min Scan# 448
Delta R.T. -0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:117 Resp: 564

Ion	Ratio	Lower	Upper
117	100		
201	97.2	82.0	123.0

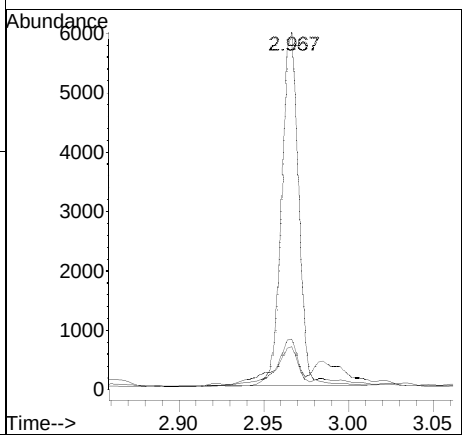


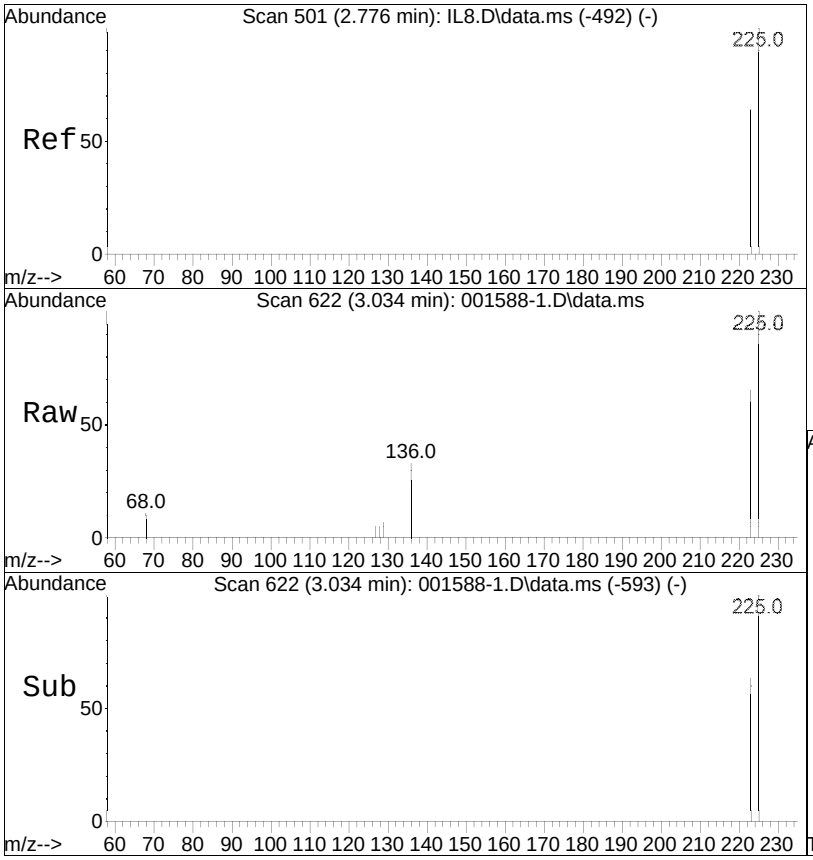


#9
Naphthalene
Concen: 11.90 ng/ml
RT: 2.967 min Scan# 596
Delta R.T. -0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:128 Resp: 4084

Ion	Ratio	Lower	Upper
128	100		
129	13.6	8.9	13.3#
127	17.1	10.7	16.1#

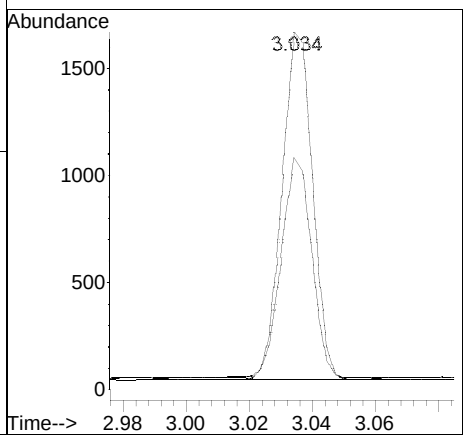


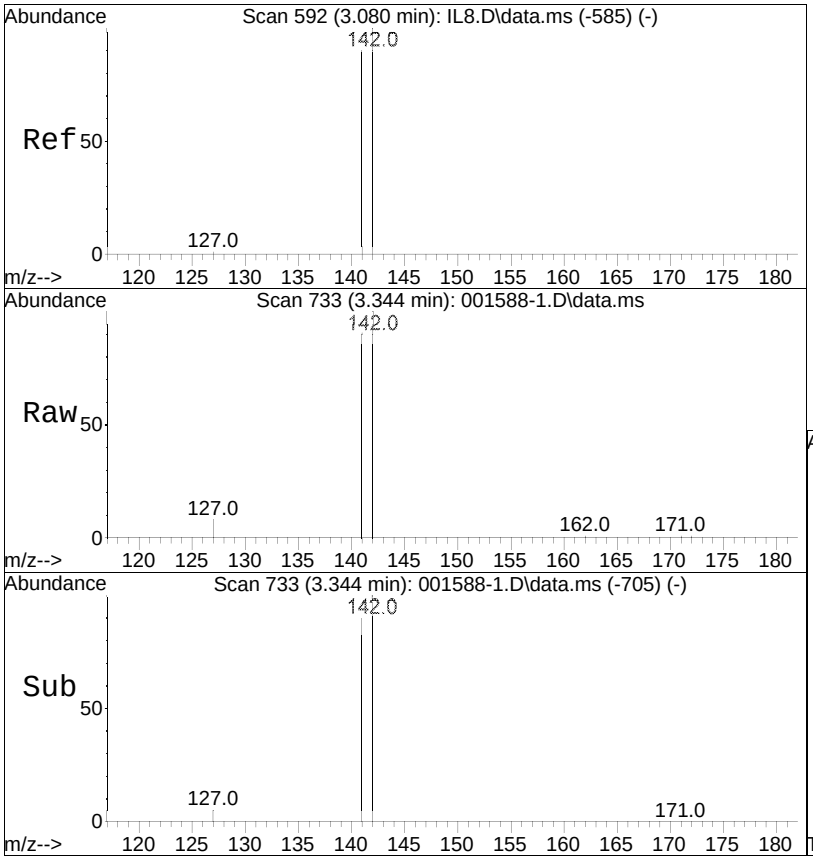


#10
Hexachlorobutadiene
Concen: 16.69 ng/ml
RT: 3.034 min Scan# 622
Delta R.T. -0.005 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:225 Resp: 1085

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.5	75.7

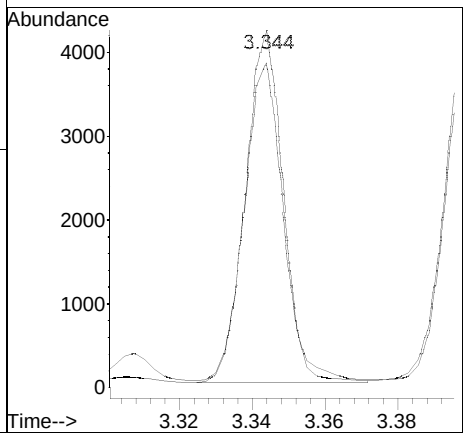


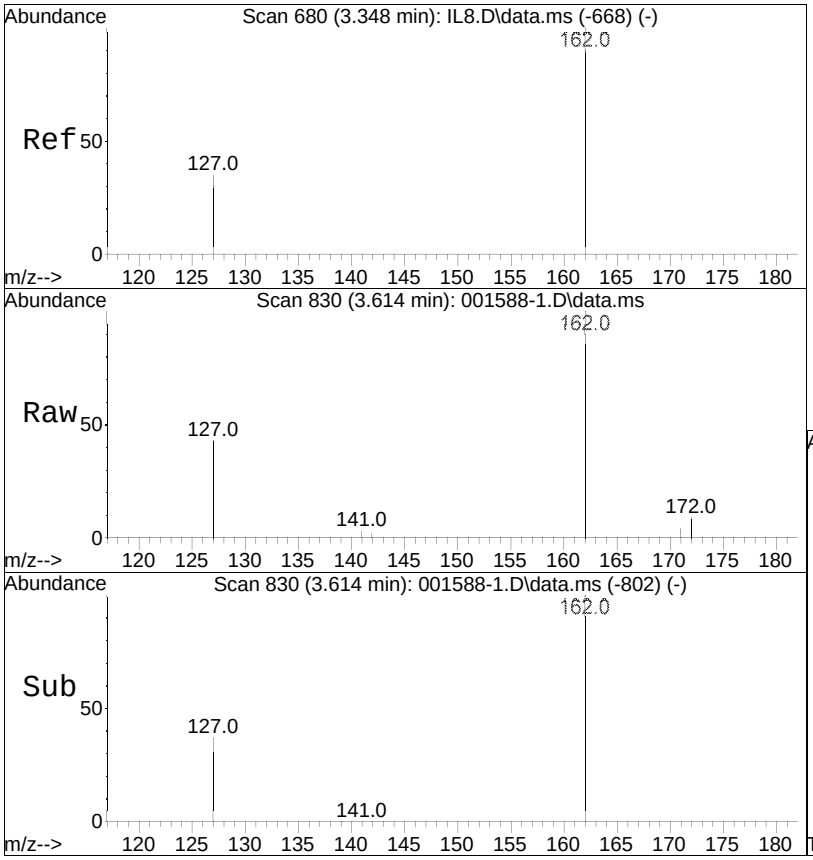


#11
2-Methylnaphthalene
Concen: 12.61 ng/ml
RT: 3.344 min Scan# 733
Delta R.T. -0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:142 Resp: 3005

Ion	Ratio	Lower	Upper
142	100		
141	93.4	72.2	108.2

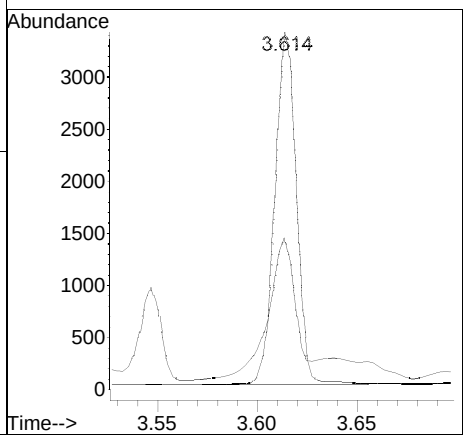


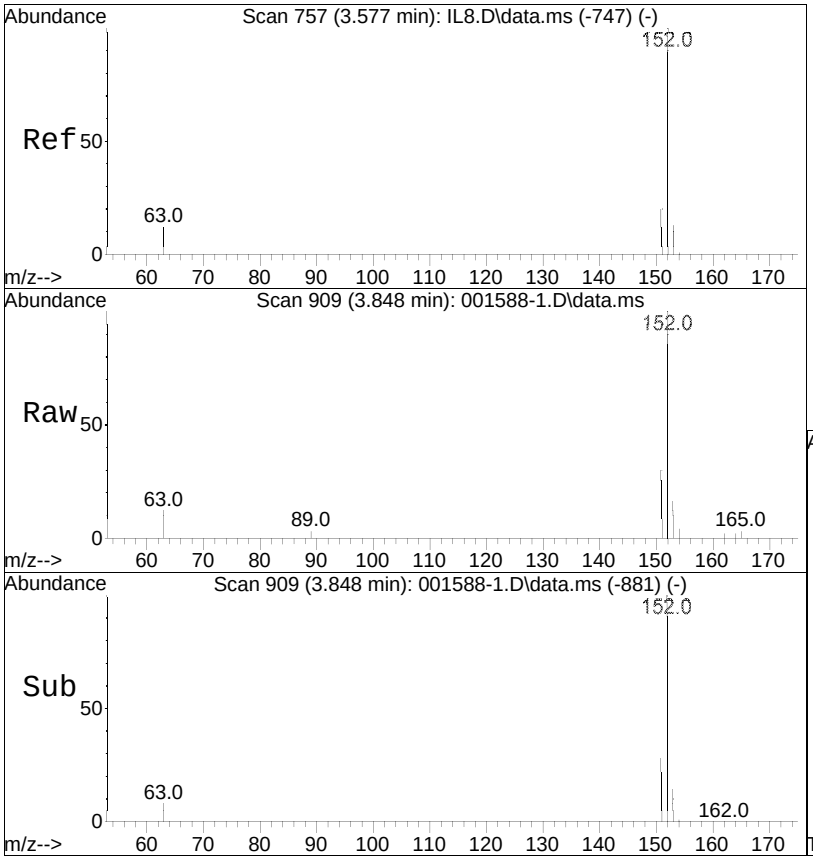


#14
2-Chloronaphthalene
Concen: 10.59 ng/ml
RT: 3.614 min Scan# 830
Delta R.T. -0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:162 Resp: 2505

Ion	Ratio	Lower	Upper
162	100		
127	53.0	31.0	46.4#

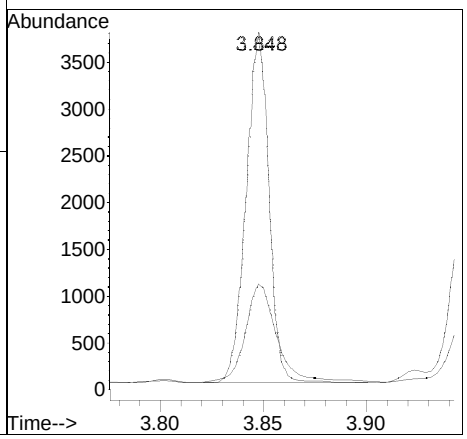


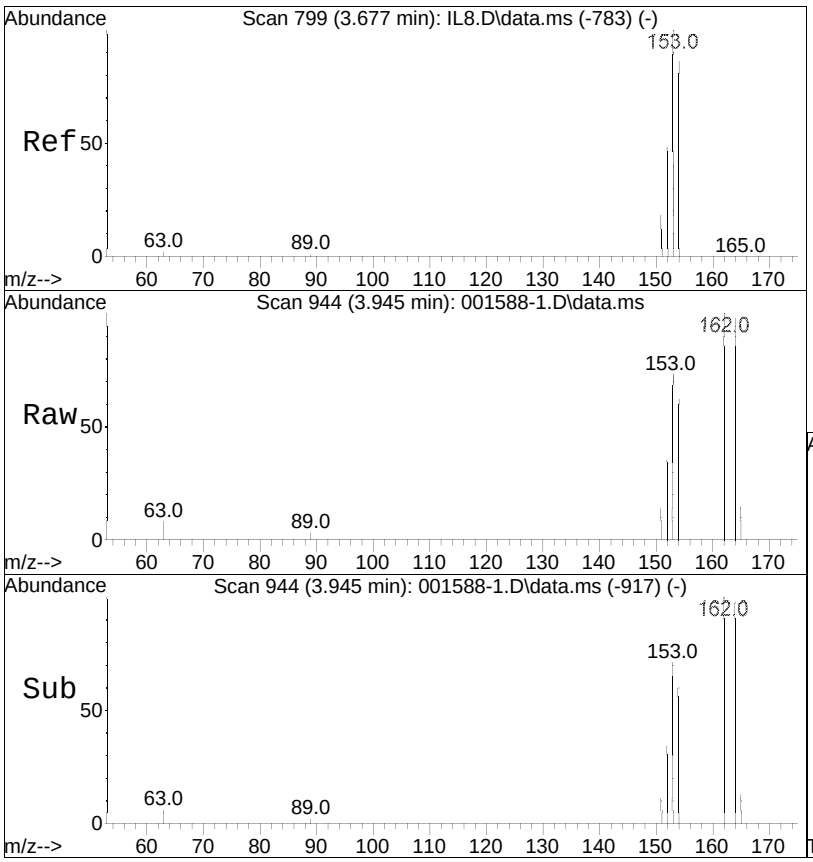


#16
Acenaphthylene
Concen: 8.44 ng/ml
RT: 3.848 min Scan# 909
Delta R.T. -0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:152 Resp: 2876

Ion	Ratio	Lower	Upper
152	100		
151	38.5	16.4	24.6#

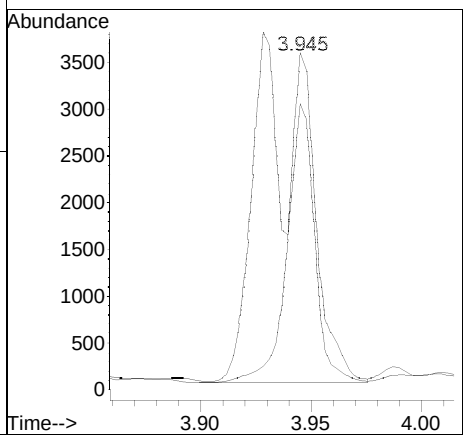


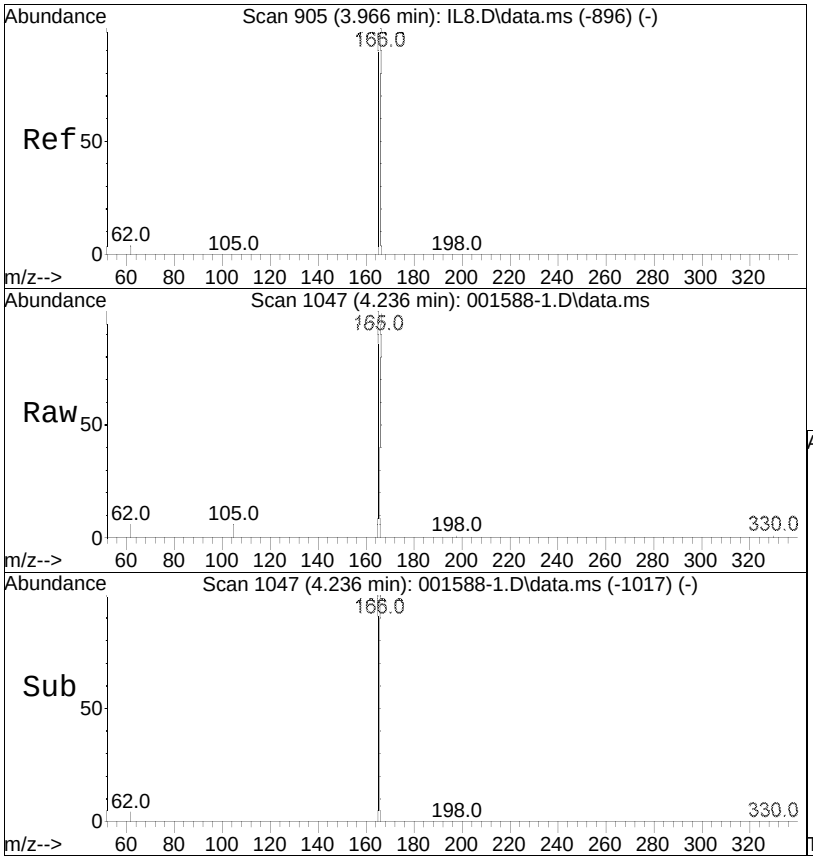


#18
Acenaphthene
Concen: 13.09 ng/ml
RT: 3.945 min Scan# 944
Delta R.T. -0.005 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:153 Resp: 3142

Ion	Ratio	Lower	Upper
153	100		
154	61.3	69.8	104.6#

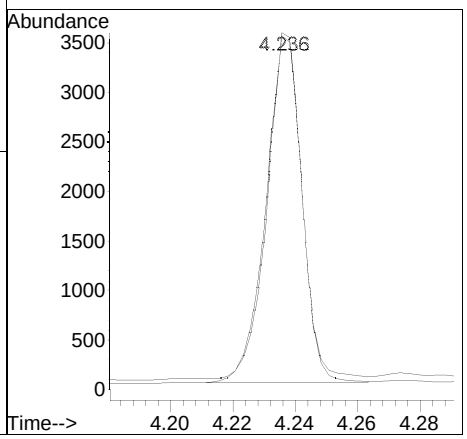


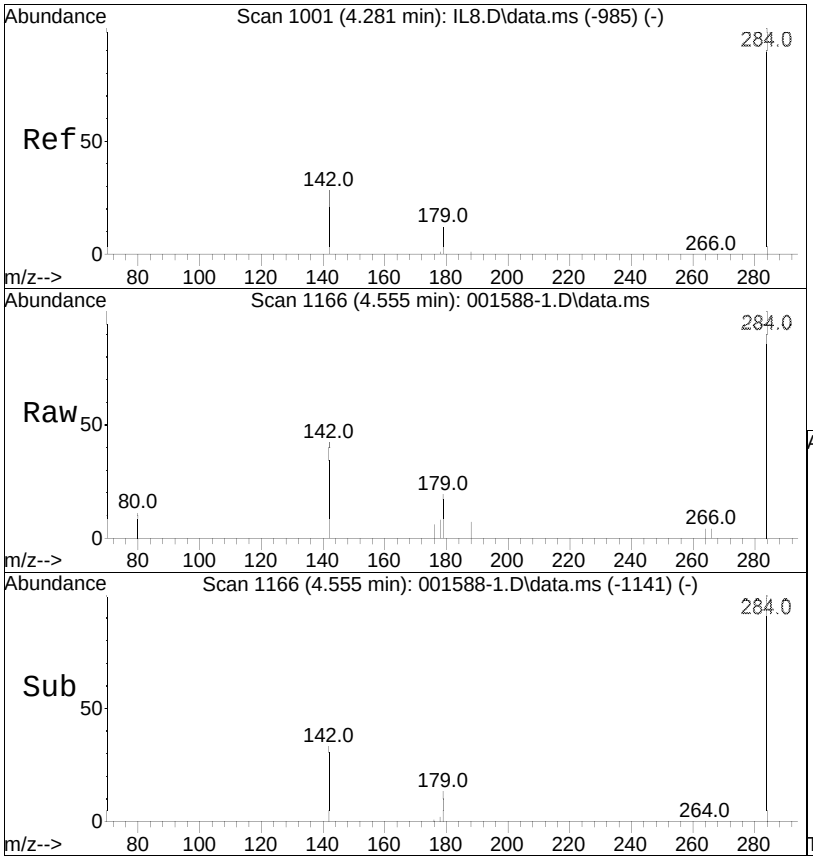


#20
Fluorene
Concen: 10.71 ng/ml
RT: 4.236 min Scan# 1047
Delta R.T. -0.005 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:166 Resp: 2781

Ion	Ratio	Lower	Upper
166	100		
165	96.3	80.1	120.1

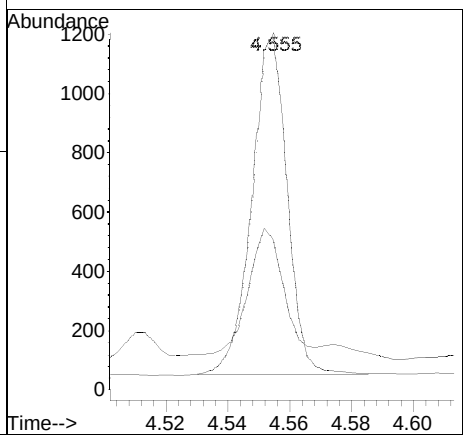


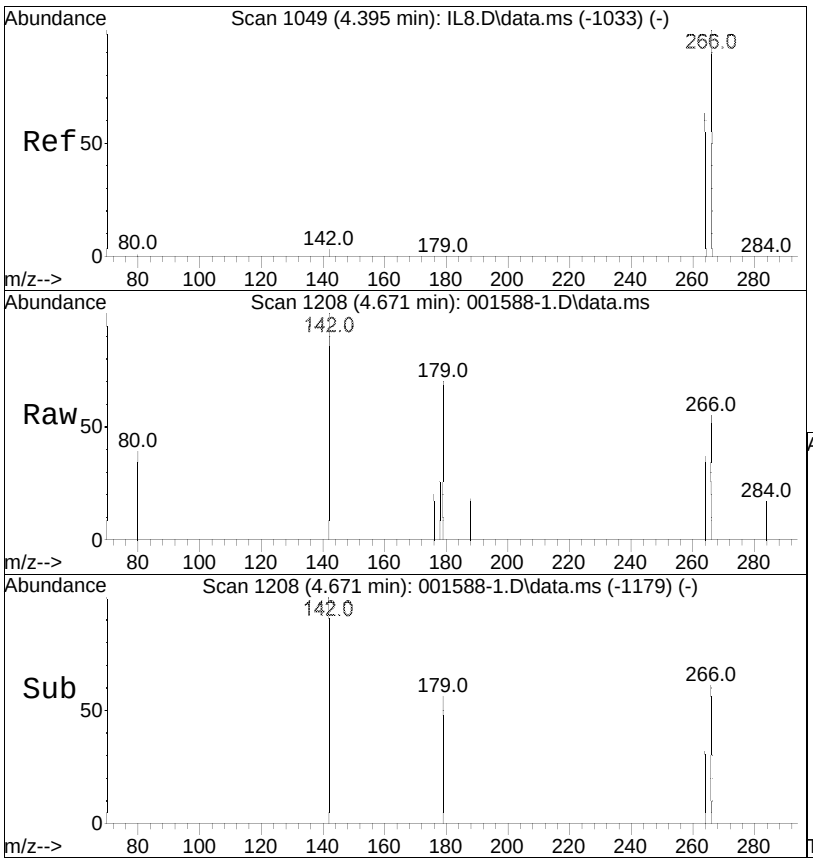


#24
Hexachlorobenzene
Concen: 11.24 ng/ml
RT: 4.555 min Scan# 1166
Delta R.T. -0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:284 Resp: 900

Ion	Ratio	Lower	Upper
284	100		
142	35.2	30.2	45.2

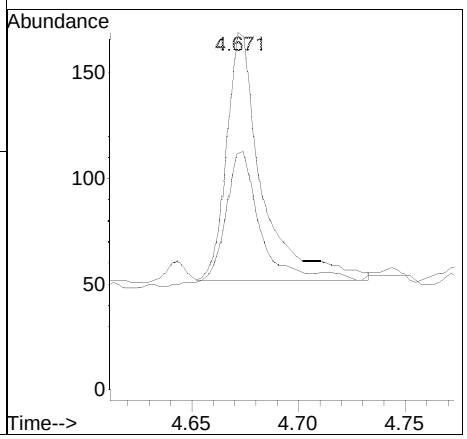


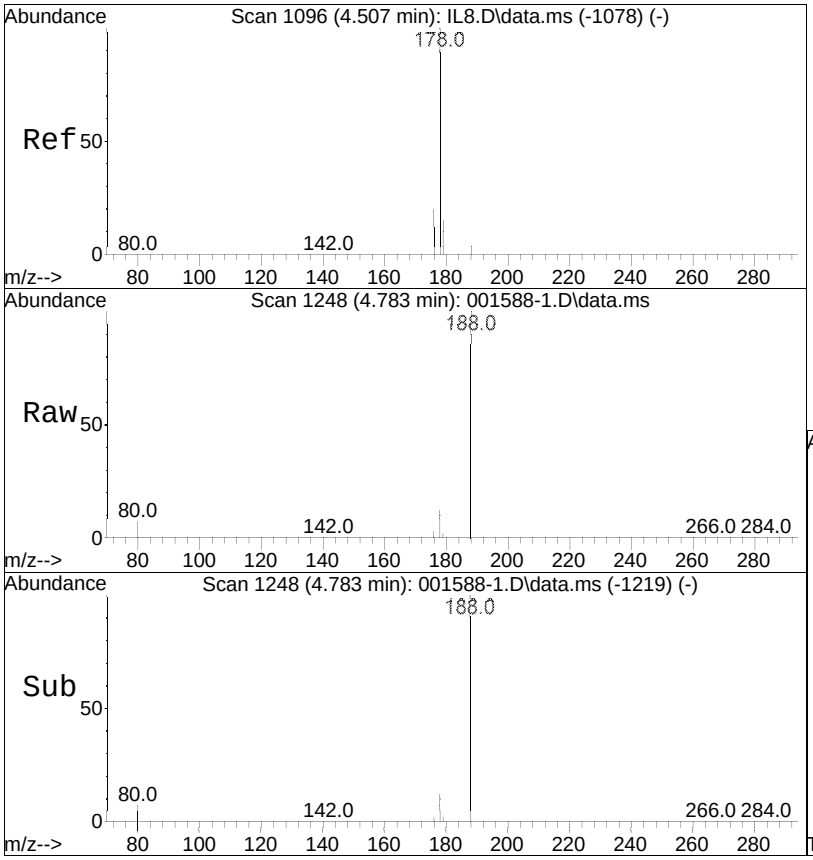


#25
Pentachlorophenol
Concen: 10.13 ng/ml
RT: 4.671 min Scan# 1208
Delta R.T. -0.000 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:266 Resp: 135

Ion	Ratio	Lower	Upper
266	100		
264	54.8	50.3	75.5

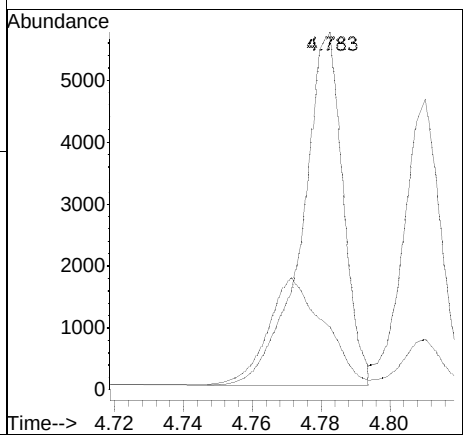


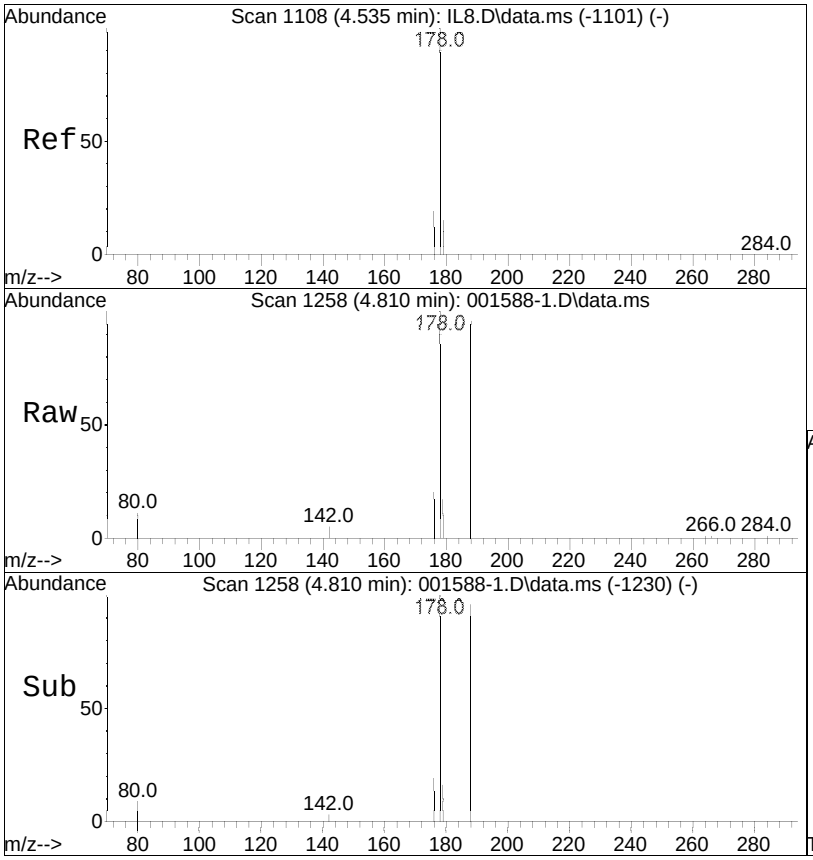


#26
Phenanthrene
Concen: 13.15 ng/ml
RT: 4.783 min Scan# 1248
Delta R.T. -0.000 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:178 Resp: 4752

Ion	Ratio	Lower	Upper
178	100		
179	40.5	12.5	18.7#

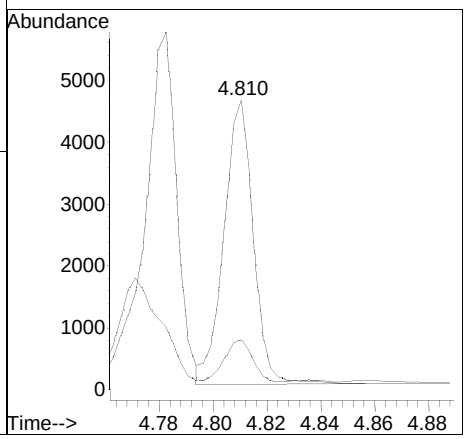


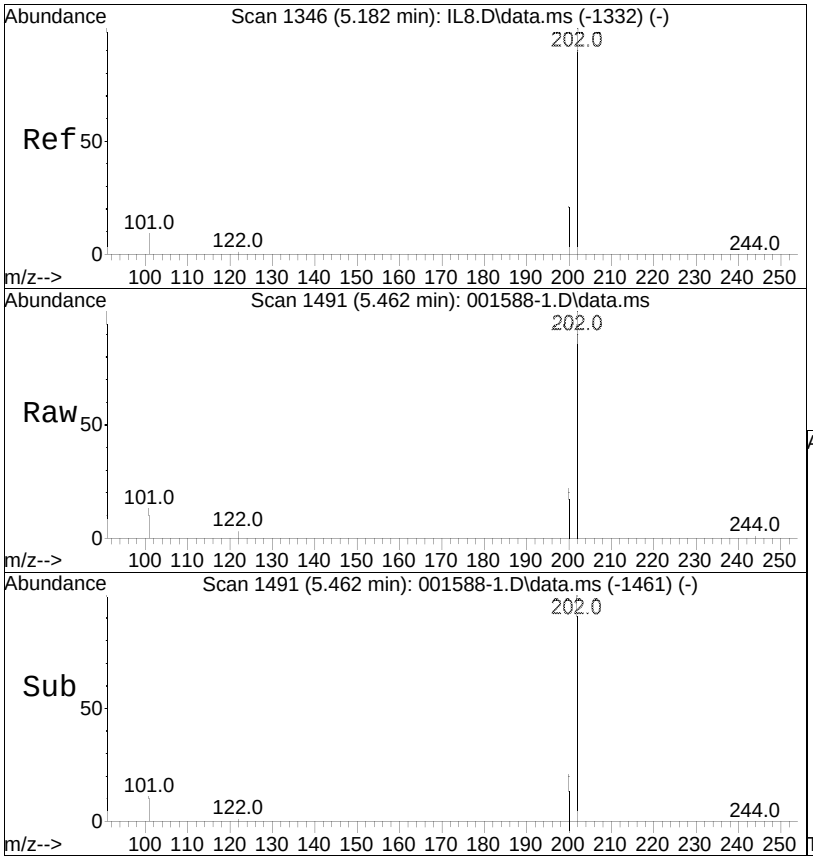


#27
Anthracene
Concen: 9.27 ng/ml
RT: 4.810 min Scan# 1258
Delta R.T. -0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:178 Resp: 3465

Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.3	18.5

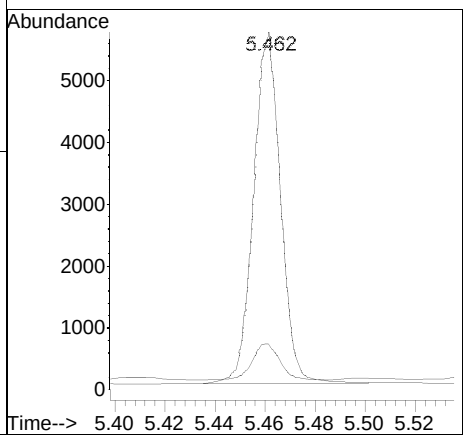


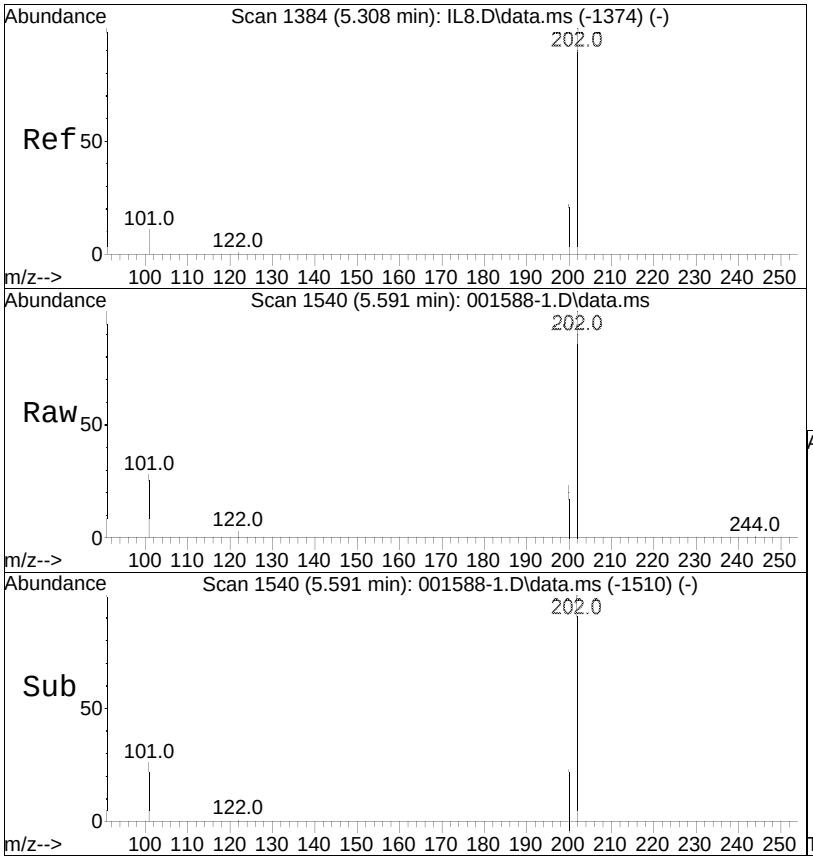


#28
Fluoranthene
Concen: 10.17 ng/ml
RT: 5.462 min Scan# 1491
Delta R.T. 0.000 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:202 Resp: 4234

Ion	Ratio	Lower	Upper
202	100		
101	11.2	7.8	11.6

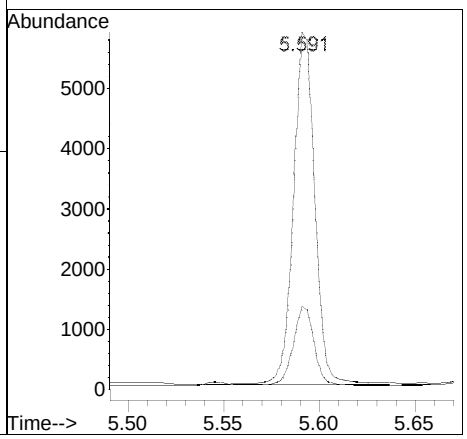


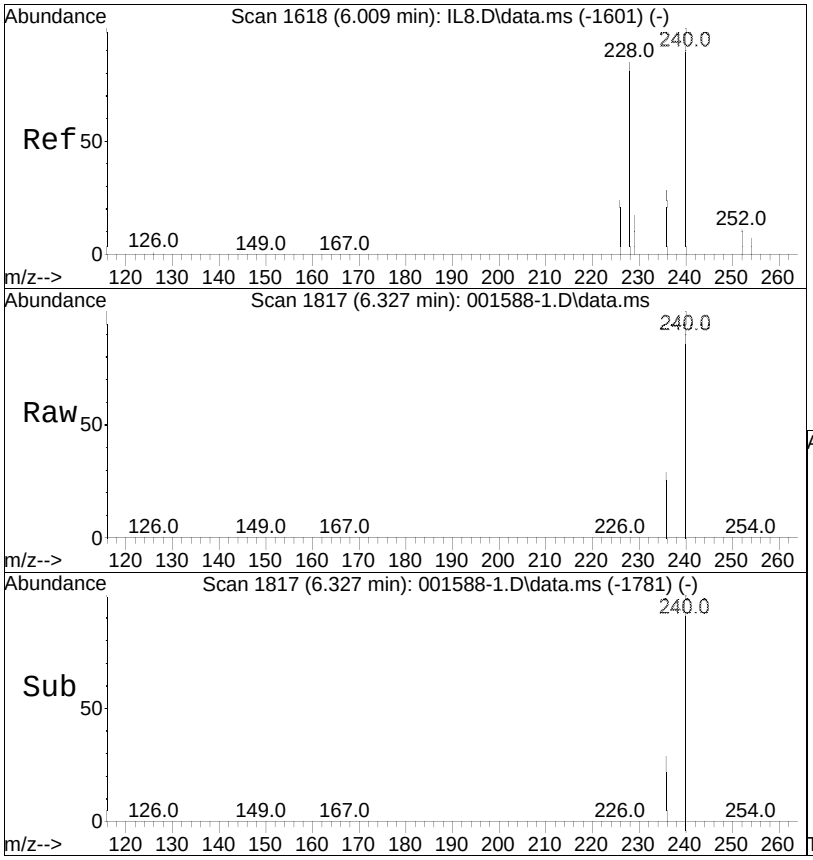


#29
Pyrene
Concen: 10.36 ng/ml
RT: 5.591 min Scan# 1540
Delta R.T. 0.000 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:202 Resp: 4446

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3

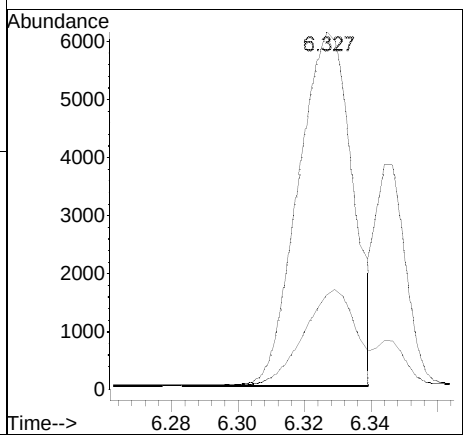


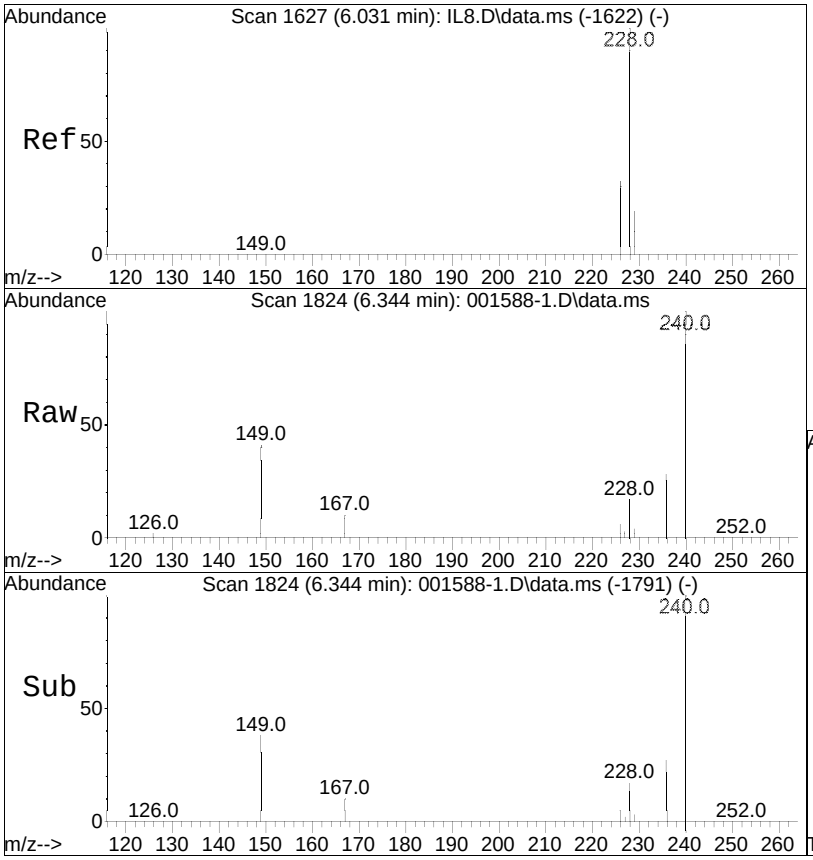


#32
Benzo[a]anthracene
Concen: 8.75 ng/ml
RT: 6.327 min Scan# 1817
Delta R.T. 0.008 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:228 Resp: 6910

Ion	Ratio	Lower	Upper
228	100		
229	25.5	16.2	24.4#

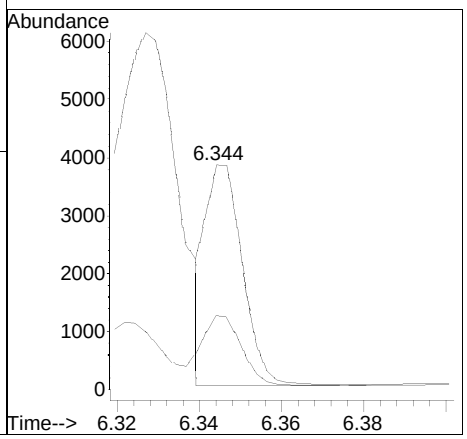


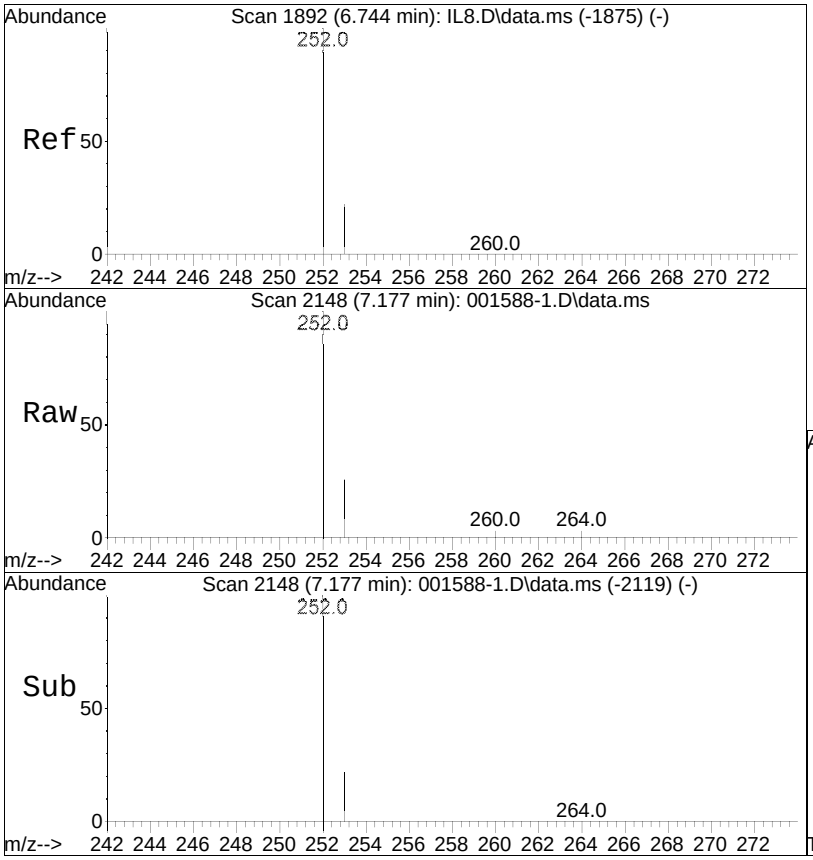


#34
Chrysene
Concen: 7.32 ng/ml
RT: 6.344 min Scan# 1824
Delta R.T. 0.001 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:228 Resp: 2388

Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.9	37.3

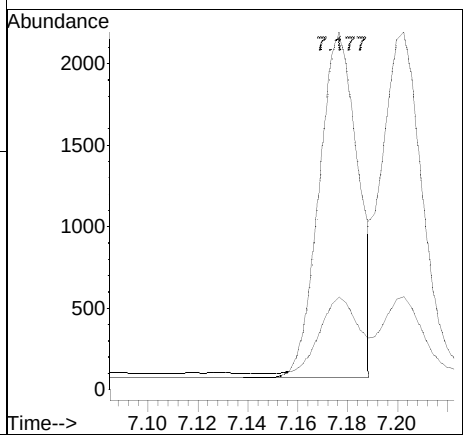


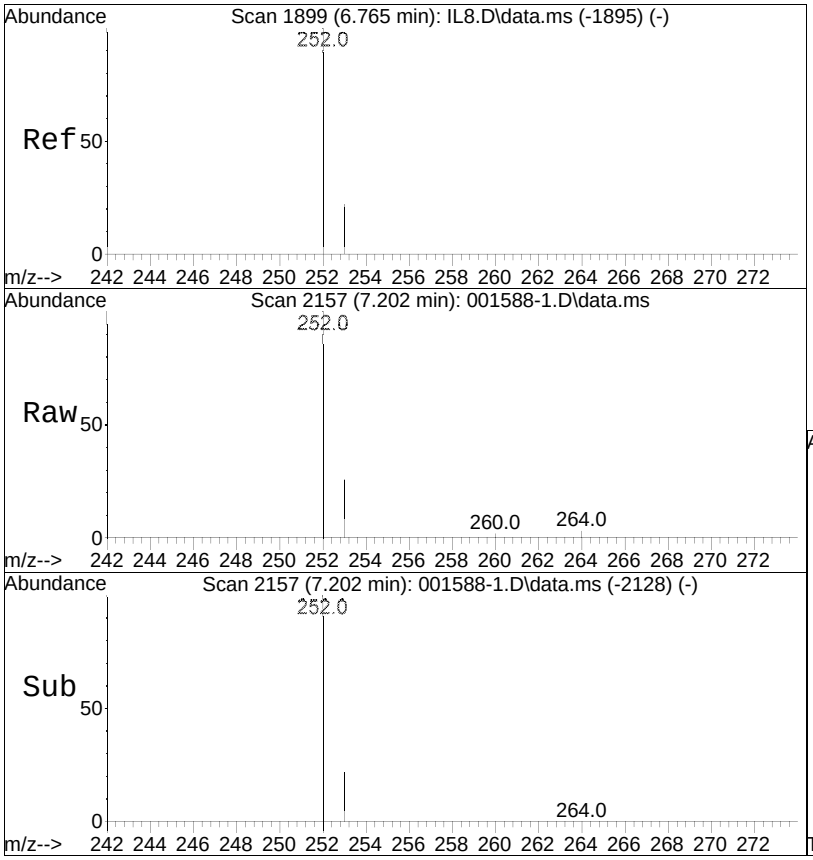


#37
Benzo[b]fluoranthene
Concen: 7.39 ng/ml
RT: 7.177 min Scan# 2148
Delta R.T. 0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:252 Resp: 2293

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

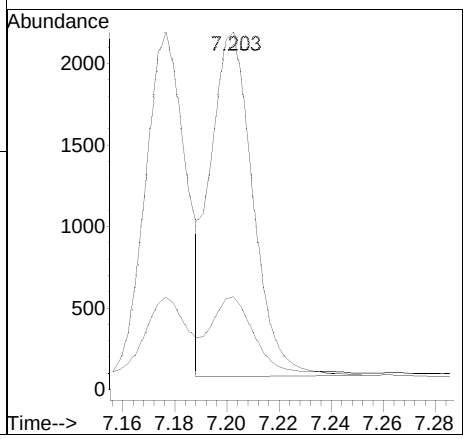


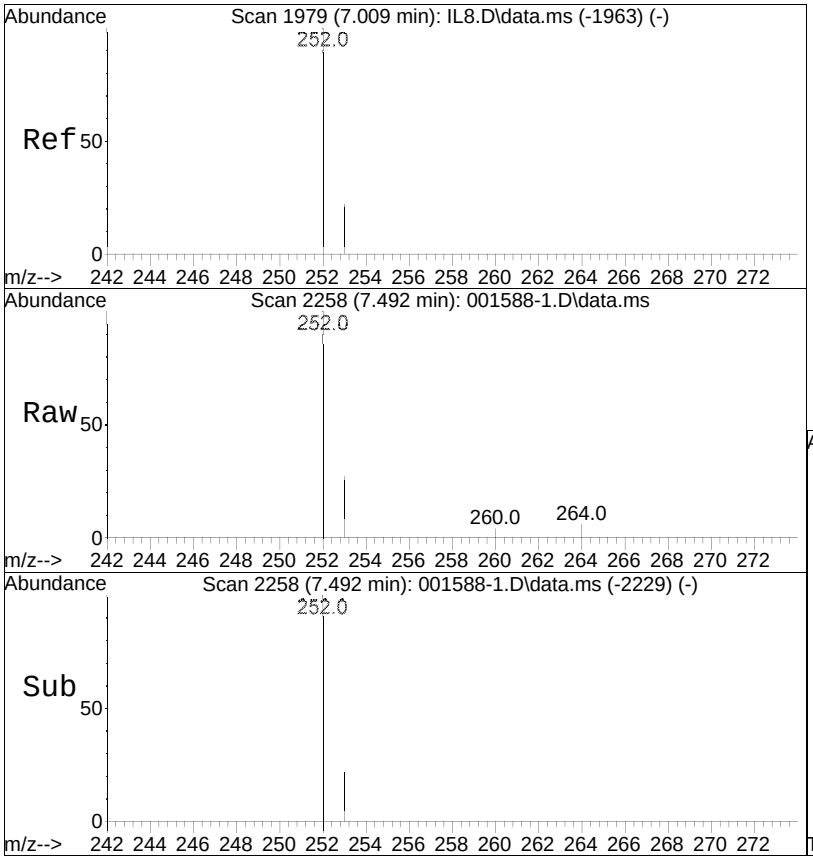


#38
Benzo[k]fluoranthene
Concen: 8.51 ng/ml
RT: 7.202 min Scan# 2157
Delta R.T. 0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:252 Resp: 2375

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4

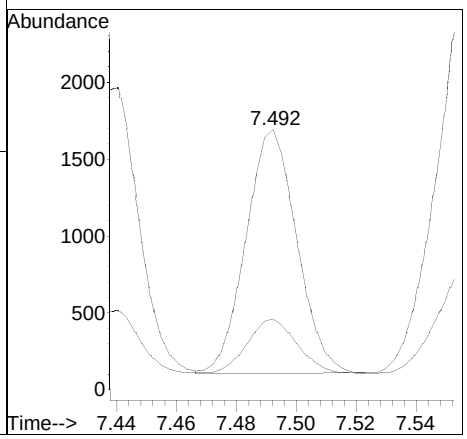


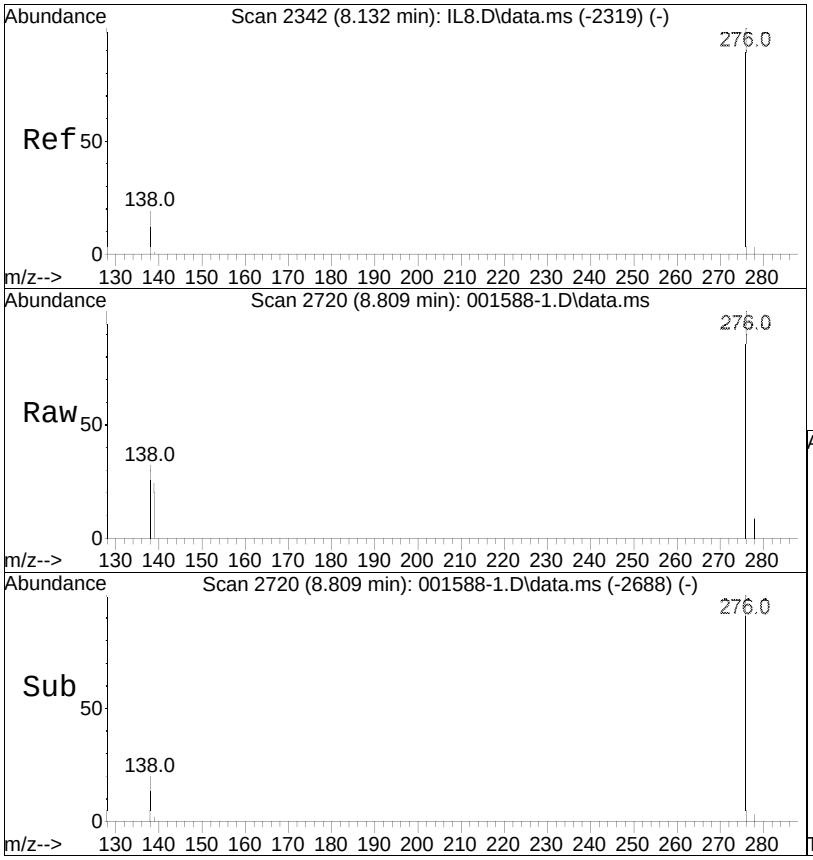


#39
Benzo[a]pyrene
Concen: 7.35 ng/ml
RT: 7.492 min Scan# 2258
Delta R.T. 0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:252 Resp: 1867

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2

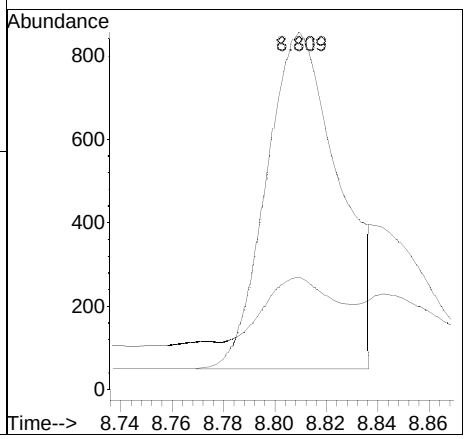


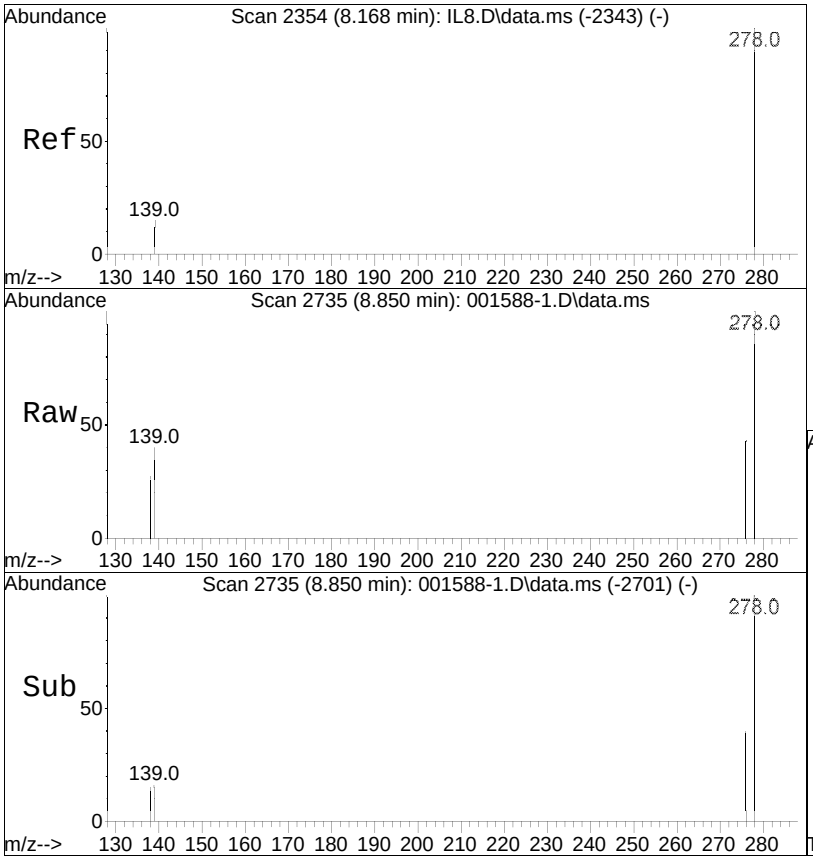


#40
Indeno[1,2,3-cd]pyrene
Concen: 6.09 ng/ml M6
RT: 8.809 min Scan# 2720
Delta R.T. 0.005 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:276 Resp: 1583

Ion	Ratio	Lower	Upper
276	100		
138	18.4	15.4	23.0

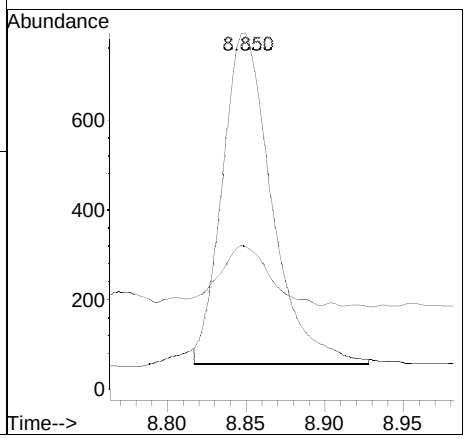


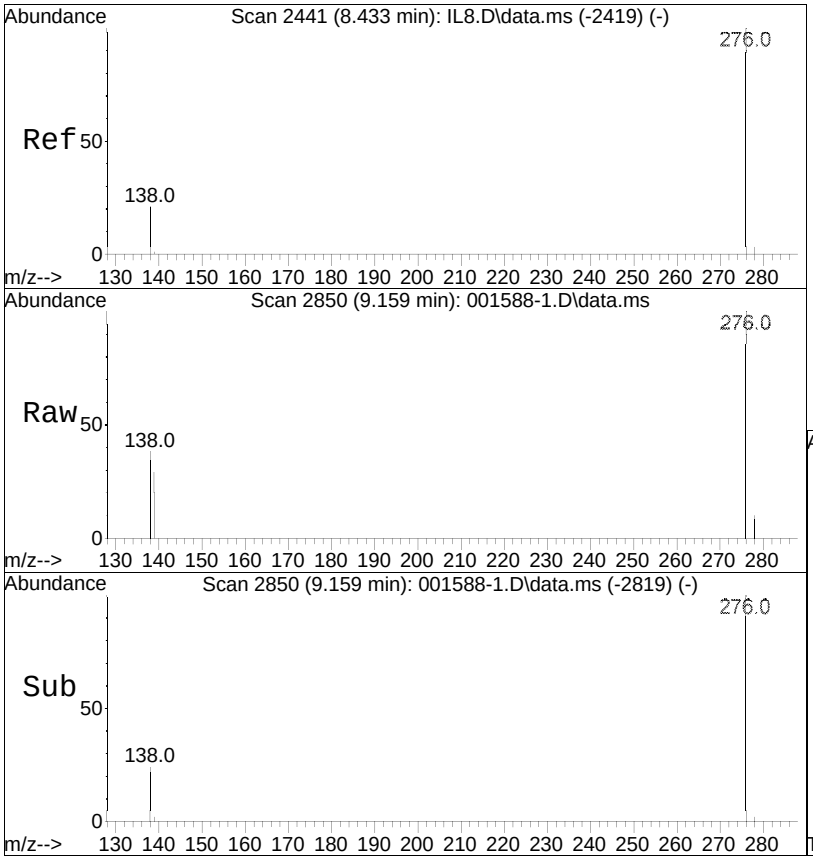


#41
Dibenzo[a,h]anthracene
Concen: 6.56 ng/ml M6
RT: 8.850 min Scan# 2735
Delta R.T. 0.011 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:278 Resp: 1602

Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.0	19.6

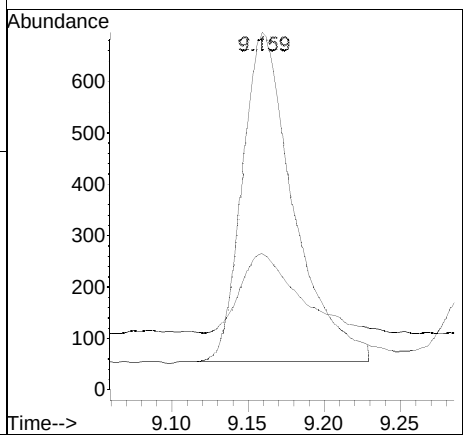




#42
Benzo[g,h,i]perylene
Concen: 5.94 ng/ml
RT: 9.159 min Scan# 2850
Delta R.T. 0.003 min
Lab File: 001588-1.D
Acq: 24 Nov 2024 10:56 am

Tgt Ion:276 Resp: 1500

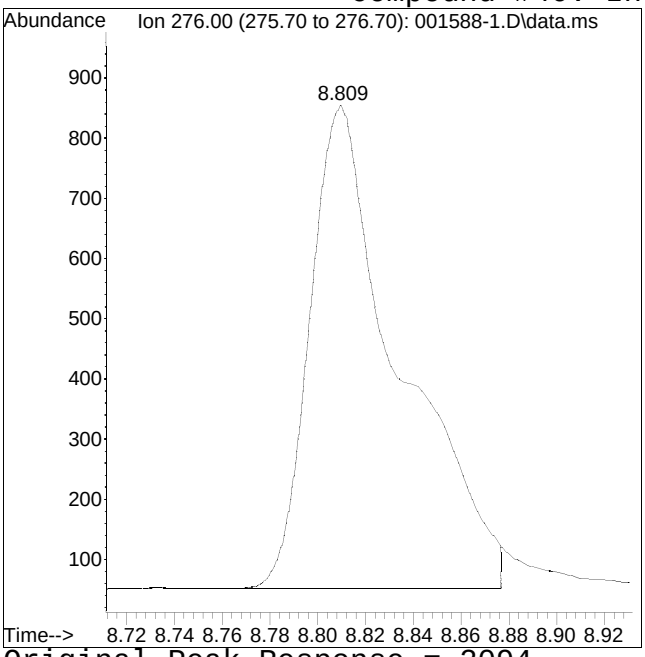
Ion	Ratio	Lower	Upper
276	100		
138	27.4	16.6	25.0#



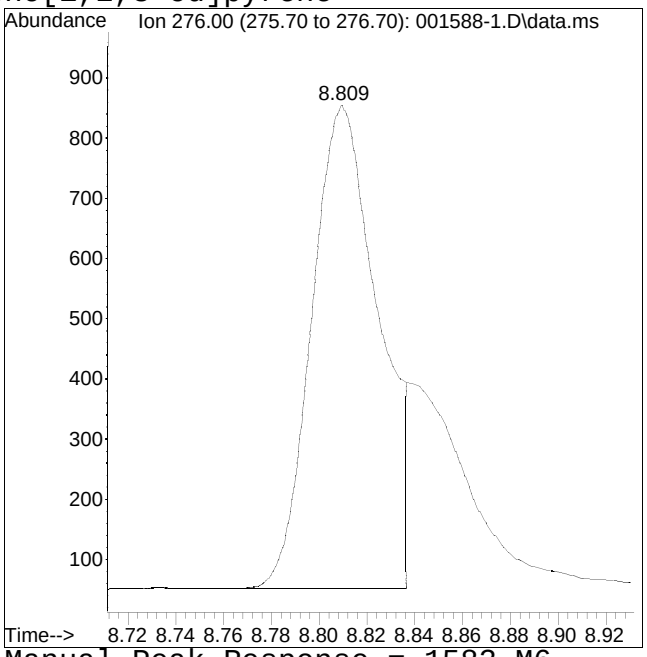
Manual Integration Report

Data Path : I:\8270SIM\sv120\241124RVTQMethod : SIM-RVT_241105_sv120.M
Data File : 001588-1.D Operator : SV120:kmh
Date Inj'd : 11/24/2024 10:56 am Instrument : SV120
Sample : WG2001588-1,32,,jjw Quant Date : 11/24/2024 11:09 am

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 2094



Manual Peak Response = 1583 M6

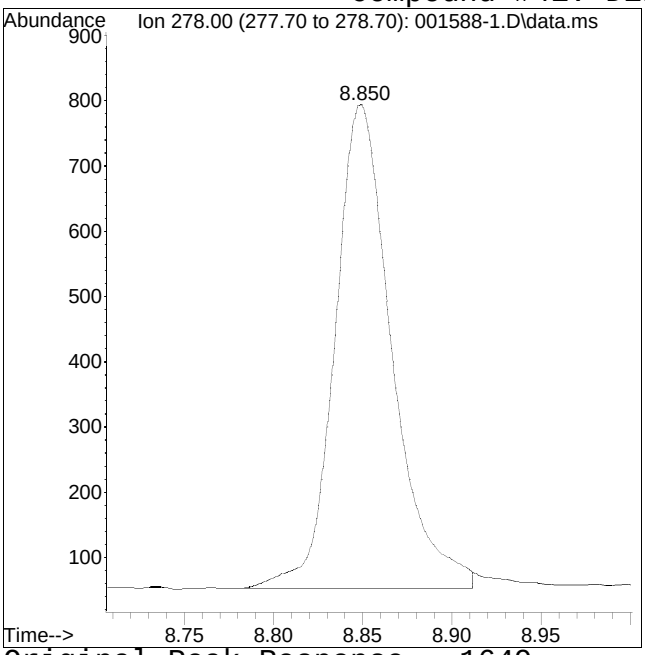
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

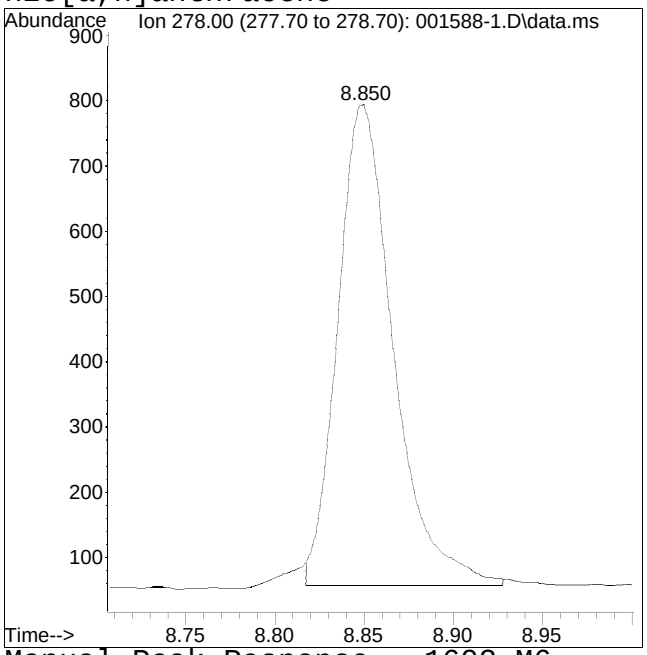
Data Path : I:\8270SIM\sv120\241124RVTQ
Data File : 001588-1.D
Date Inj'd : 11/24/2024 10:56 am
Sample : WG2001588-1,32,,jjw

Method : SIM-RVT_241105_sv120.M
Operator : SV120:kmh
Instrument : SV120
Quant Date : 11/24/2024 11:09 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1649



Manual Peak Response = 1602 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 001354-2.D
Acq On : 23 Nov 2024 09:03 pm
Operator : SV120:dv
Sample : WG2001354-2,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 25 12:21:56 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	288893	4000.000	ng/ml	0.02
Standard Area 1 = 197300			Recovery	= 146.42%		
8) Naphthalene-d8	2.957	136	1161925	4000.000	ng/ml	# 0.00
Standard Area 1 = 788071			Recovery	= 147.44%		
17) Acenaphthene-d10	3.932	164	599537	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery	= 131.80%		
22) Phenanthrene-d10	4.771	188	1051890	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery	= 117.46%		
31) Chrysene-d12	6.333	240	760371	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery	= 94.93%		
36) Perylene-d12	7.563	264	703631	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery	= 92.80%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.752	112	105623M3	1242.113	ng/ml	0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 62.11%		
3) Phenol-d6	2.122	99	99770	954.873	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 47.74%		
7) Nitrobenzene-d5	2.575	82	80124	868.645	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 86.86%		
13) 2-Fluorobiphenyl	3.550	172	188910	806.644	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 80.66%		
21) 2,4,6-Tribromophenol	4.377	330	54216	2271.640	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 113.58%#		
30) 4-Terphenyl-d14	5.682	244	188547	985.774	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 49.29%		
Target Compounds						Qvalue
6) Hexachloroethane	2.556	117	57753	1527.015	ng/ml	100
9) Naphthalene	2.967	128	444526	1530.439	ng/ml	98
10) Hexachlorobutadiene	3.037	225	83474	1516.708	ng/ml	99
11) 2-Methylnaphthalene	3.344	142	317930	1576.639	ng/ml	100
14) 2-Chloronaphthalene	3.617	162	312321	1560.231	ng/ml	93
16) Acenaphthylene	3.848	152	467506	1619.858	ng/ml	100
18) Acenaphthene	3.948	153	323012	1784.930	ng/ml	92
20) Fluorene	4.239	166	371356	1896.477	ng/ml	99
24) Hexachlorobenzene	4.554	284	119212	2145.535	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 001354-2.D
Acq On : 23 Nov 2024 09:03 pm
Operator : SV120:dv
Sample : WG2001354-2,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 25 12:21:56 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Pentachlorophenol	4.671	266	72108	2244.132	ng/ml	99
26) Phenanthrene	4.782	178	527518	2104.444	ng/ml	100
27) Anthracene	4.812	178	537295	2071.726	ng/ml	100
28) Fluoranthene	5.463	202	583815	2022.123	ng/ml	98
29) Pyrene	5.593	202	594346	1996.387	ng/ml	100
32) Benzo[a]anthracene	6.325	228	509155	2191.401	ng/ml	98
34) Chrysene	6.350	228	467447	2322.156	ng/ml	100
37) Benzo[b]fluoranthene	7.182	252	460004	2154.541	ng/ml	100
38) Benzo[k]fluoranthene	7.205	252	433928	2260.789	ng/ml	100
39) Benzo[a]pyrene	7.500	252	394180	2254.028	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.814	276	394981	2208.828	ng/ml	99
41) Dibenzo[a,h]anthracene	8.846	278	355780M6	2117.855	ng/ml	
42) Benzo[g,h,i]perylene	9.166	276	355306	2045.826	ng/ml	97

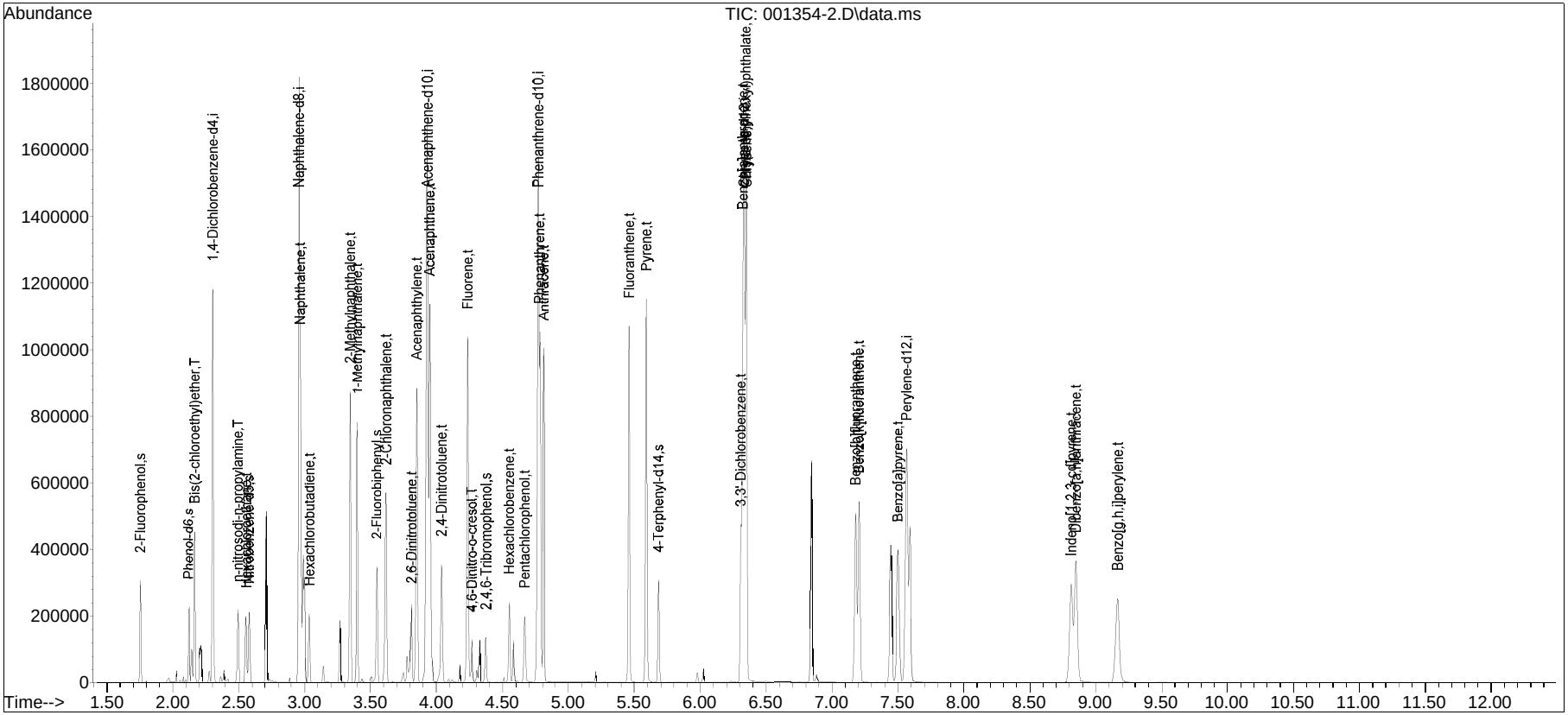
(#) = qualifier out of range (m) = manual integration (+) = signals summed

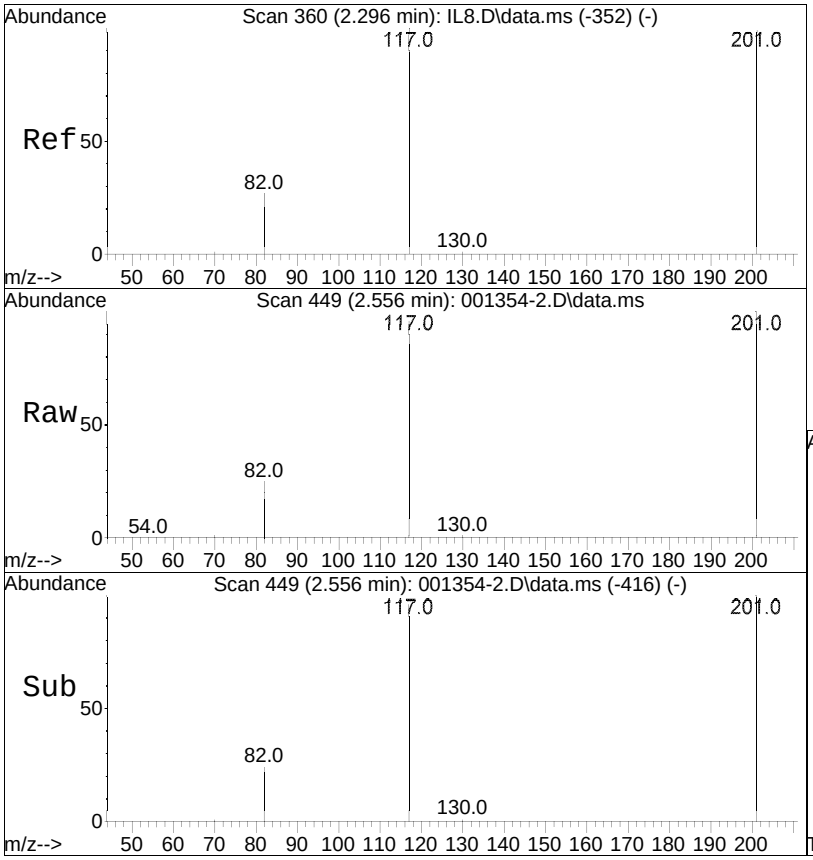
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 001354-2.D
Acq On : 23 Nov 2024 09:03 pm
Operator : SV120:dv
Sample : WG2001354-2,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 25 12:21:56 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•

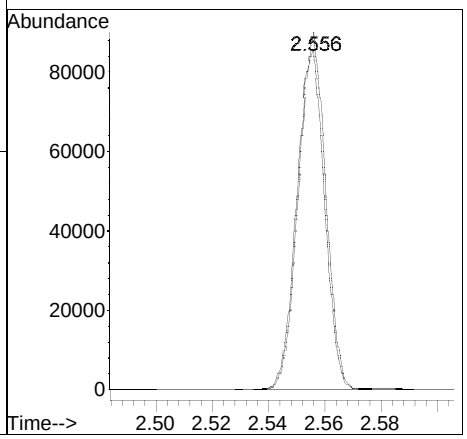


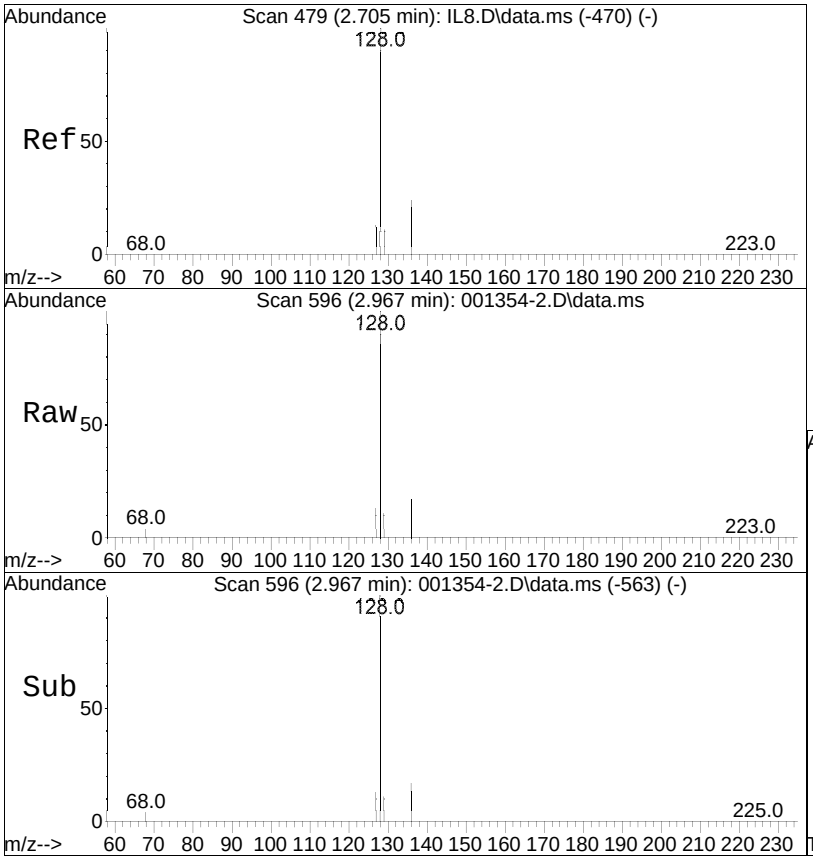


#6
Hexachloroethane
Concen: 1527.01 ng/ml
RT: 2.556 min Scan# 449
Delta R.T. 0.012 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:117 Resp: 57753

Ion	Ratio	Lower	Upper
117	100		
201	102.9	82.0	123.0

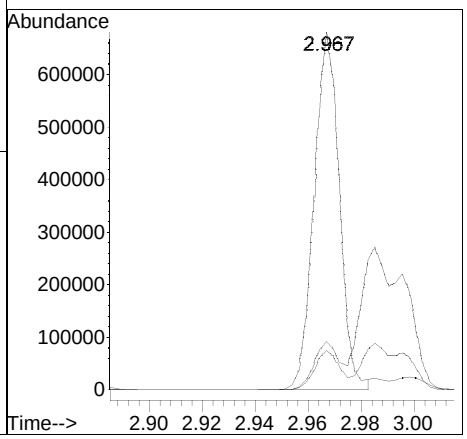


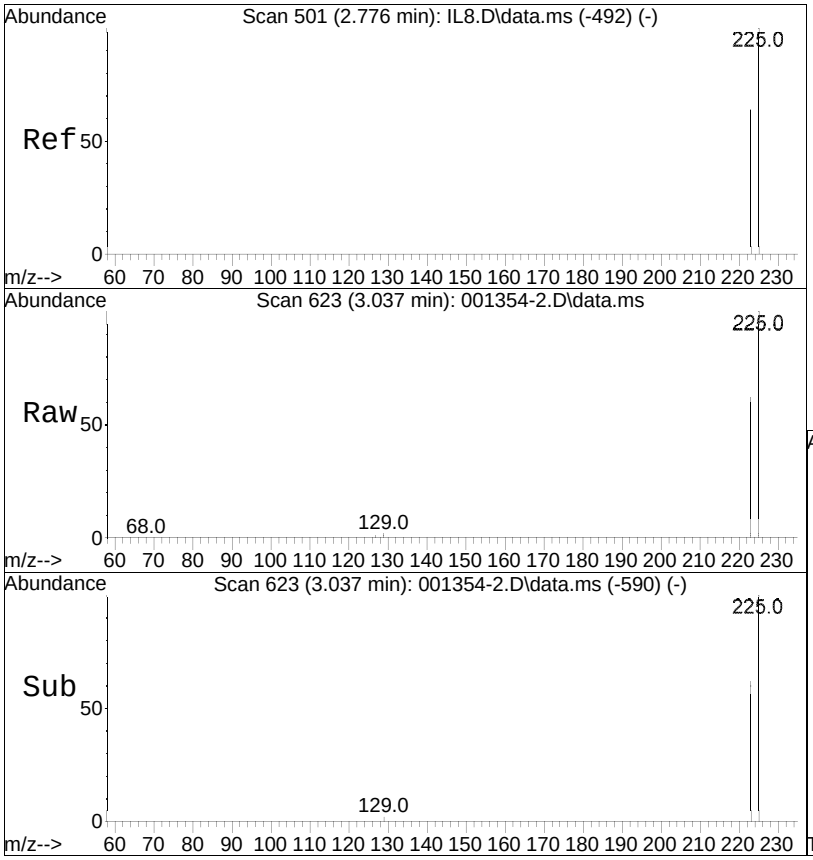


#9
Naphthalene
Concen: 1530.44 ng/ml
RT: 2.967 min Scan# 596
Delta R.T. 0.005 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:128 Resp: 444526

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	14.5	10.7	16.1

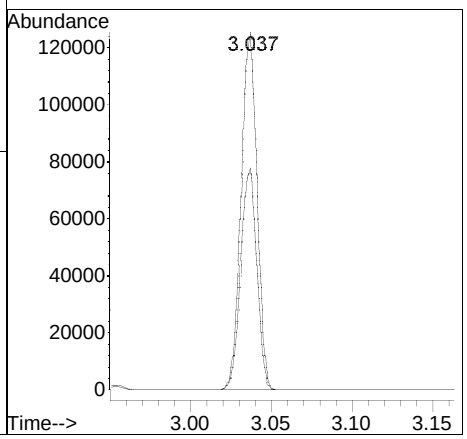


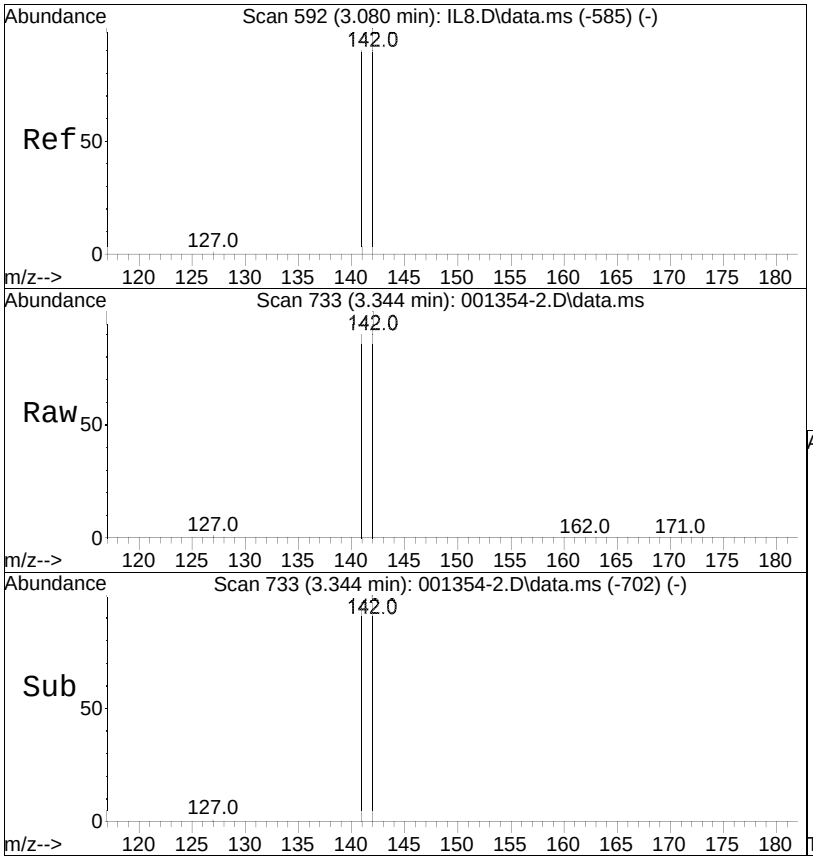


#10
Hexachlorobutadiene
Concen: 1516.71 ng/ml
RT: 3.037 min Scan# 623
Delta R.T. 0.005 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:225 Resp: 83474

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.5	75.7

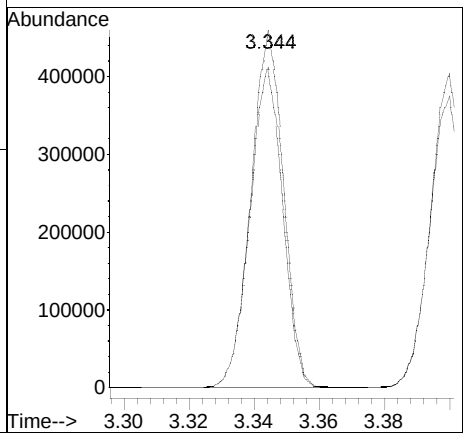


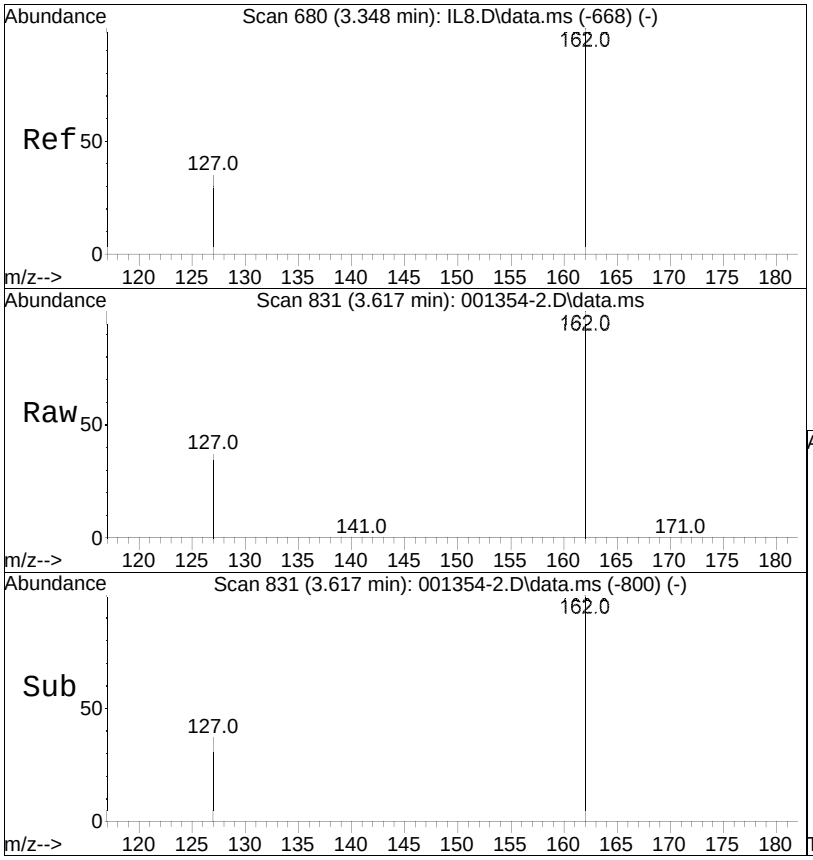


#11
2-Methylnaphthalene
Concen: 1576.64 ng/ml
RT: 3.344 min Scan# 733
Delta R.T. 0.005 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:142 Resp: 317930

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.2	108.2

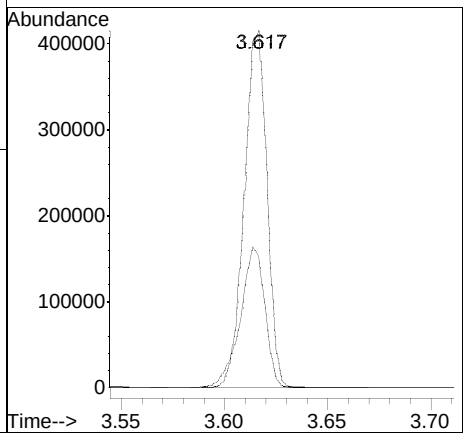


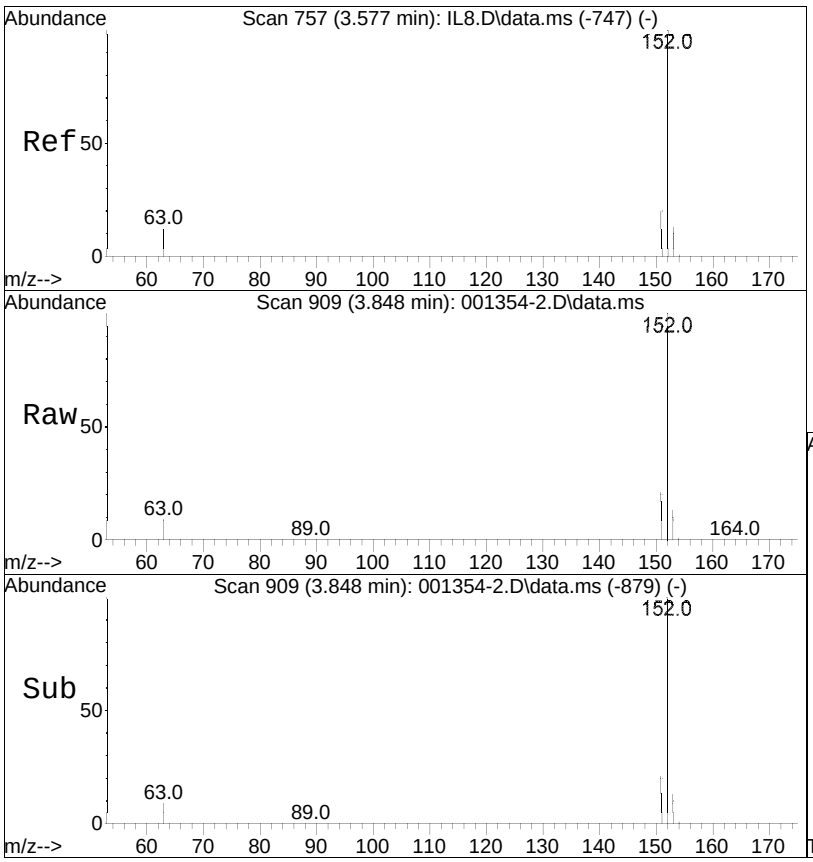


#14
2-Chloronaphthalene
Concen: 1560.23 ng/ml
RT: 3.617 min Scan# 831
Delta R.T. 0.005 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:162 Resp: 312321

Ion	Ratio	Lower	Upper
162	100		
127	43.2	31.0	46.4

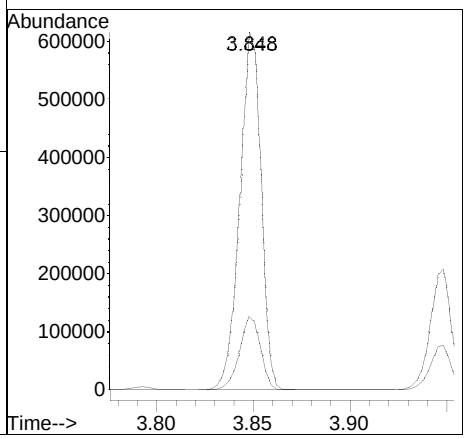


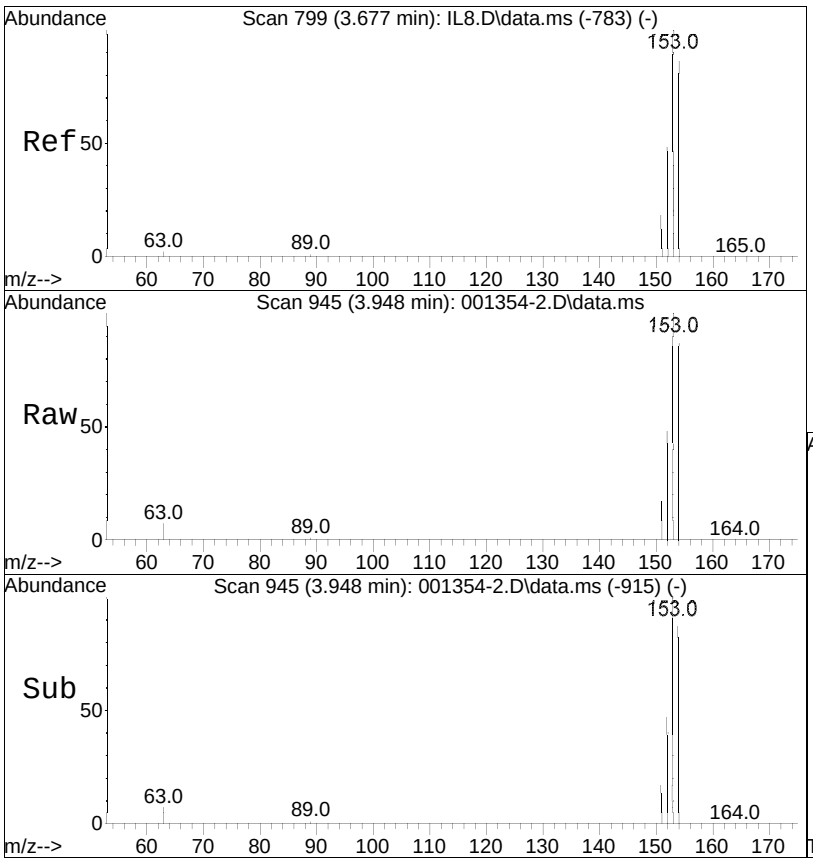


#16
Acenaphthylene
Concen: 1619.86 ng/ml
RT: 3.848 min Scan# 909
Delta R.T. 0.002 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:152 Resp: 467506

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6

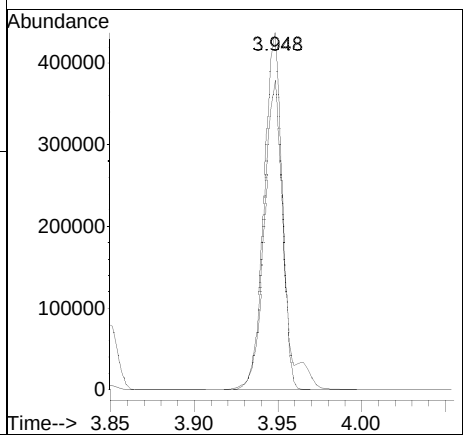


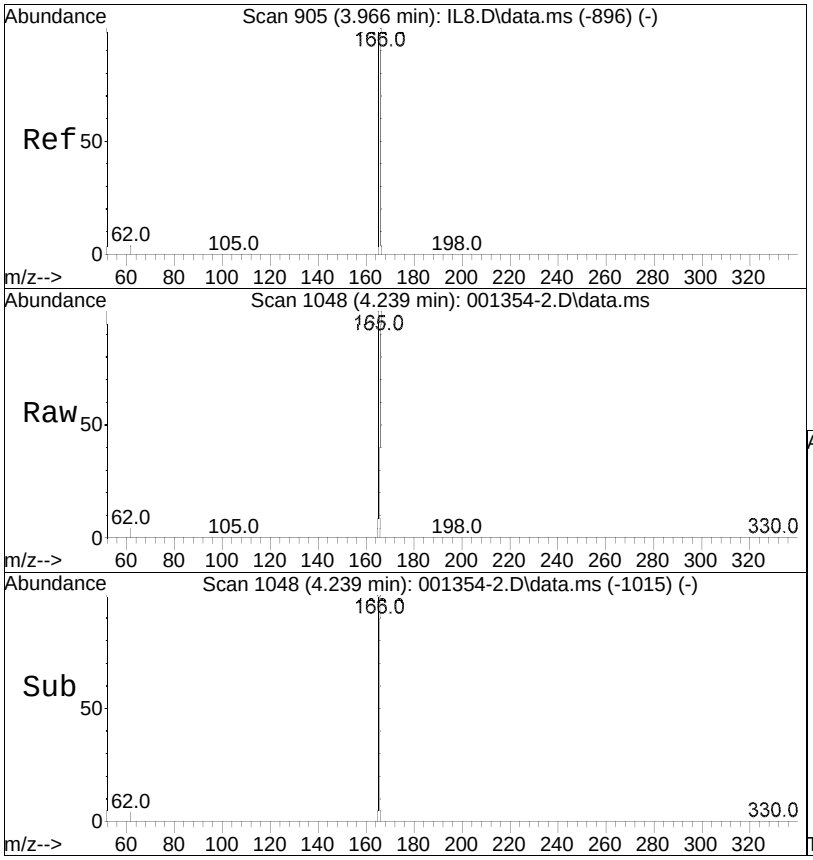


#18
Acenaphthene
Concen: 1784.93 ng/ml
RT: 3.948 min Scan# 945
Delta R.T. 0.002 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:153 Resp: 323012

Ion	Ratio	Lower	Upper
153	100		
154	94.3	69.8	104.6

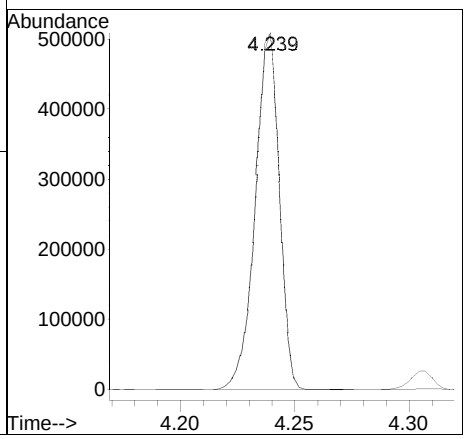


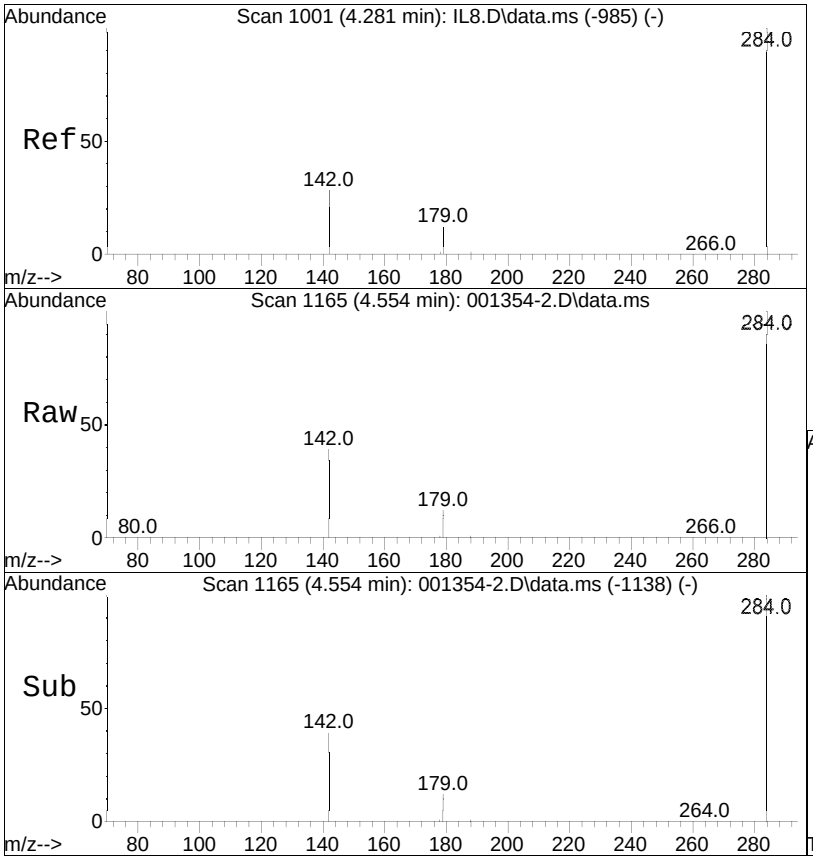


#20
Fluorene
Concen: 1896.48 ng/ml
RT: 4.239 min Scan# 1048
Delta R.T. 0.002 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:166 Resp: 371356

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.1	120.1

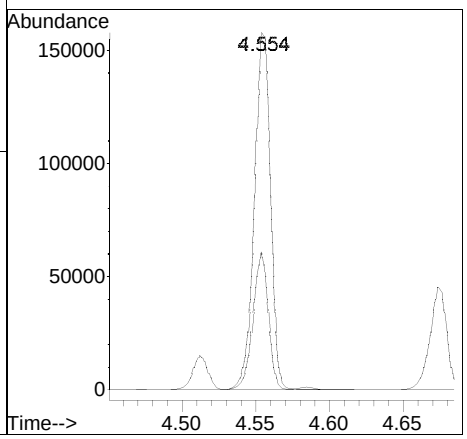


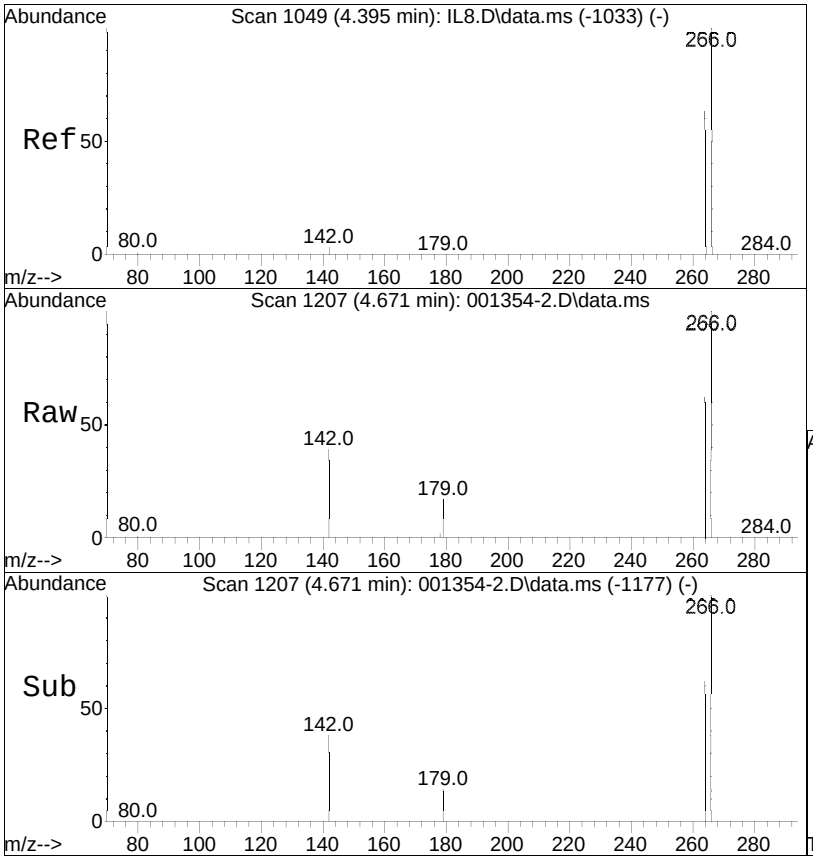


#24
Hexachlorobenzene
Concen: 2145.54 ng/ml
RT: 4.554 min Scan# 1165
Delta R.T. -0.000 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:284 Resp: 119212

Ion	Ratio	Lower	Upper
284	100		
142	36.9	30.2	45.2

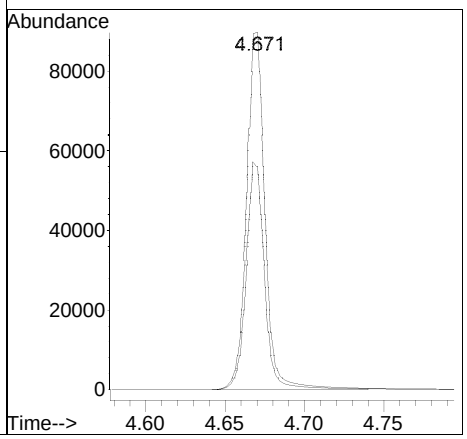


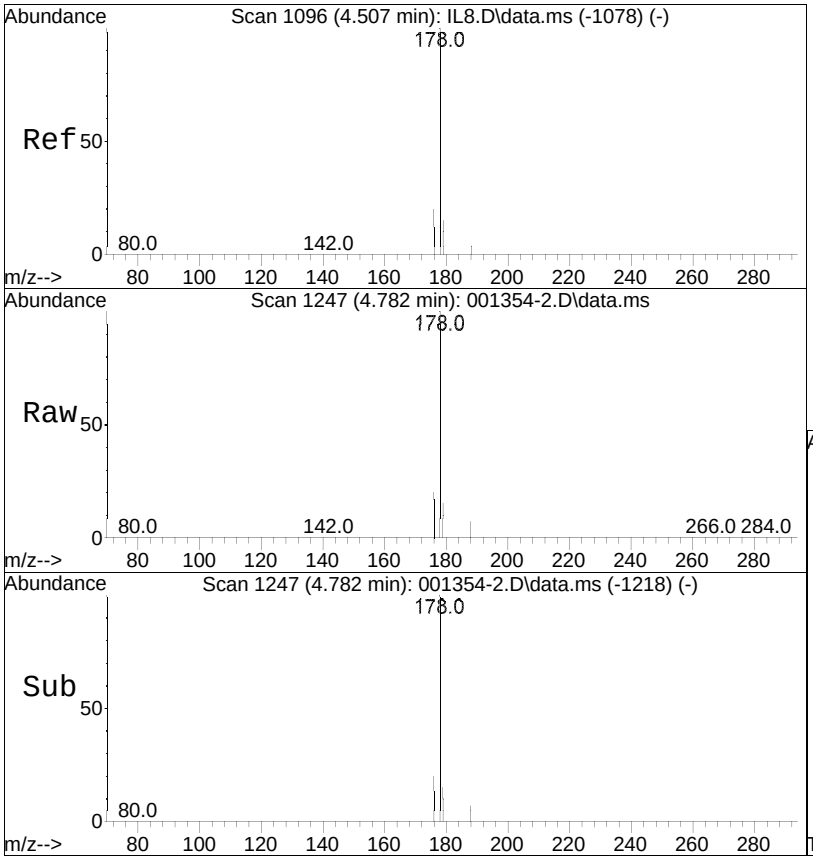


#25
Pentachlorophenol
Concen: 2244.13 ng/ml
RT: 4.671 min Scan# 1207
Delta R.T. 0.002 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:266 Resp: 72108

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.3	75.5

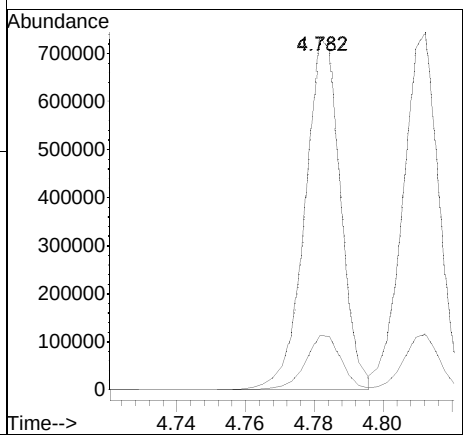


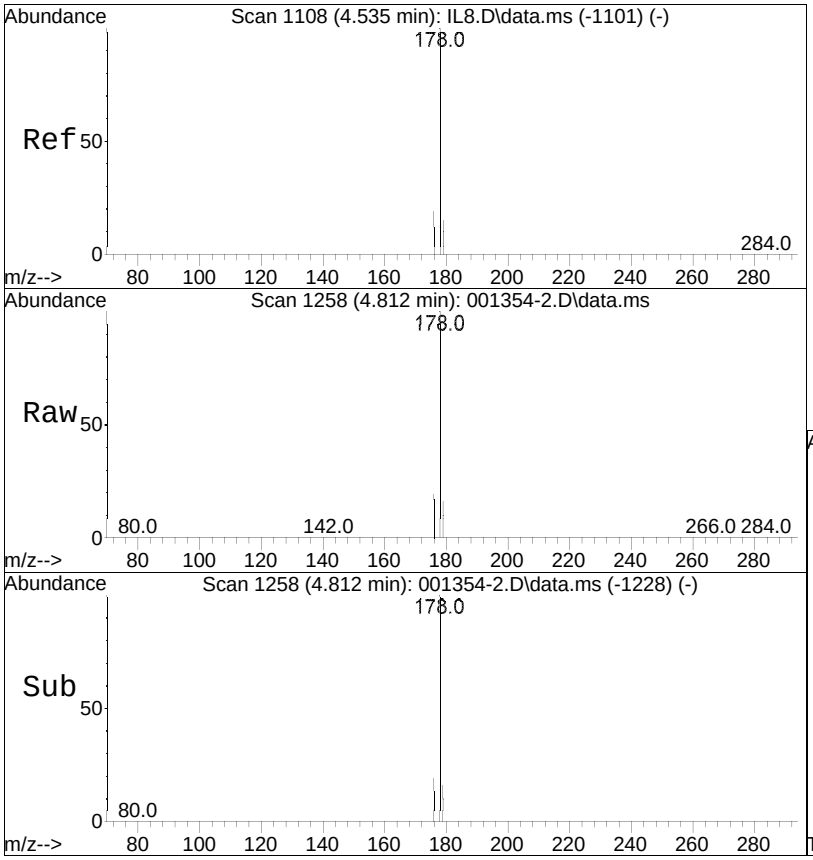


#26
Phenanthrene
Concen: 2104.44 ng/ml
RT: 4.782 min Scan# 1247
Delta R.T. -0.000 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:178 Resp: 527518

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

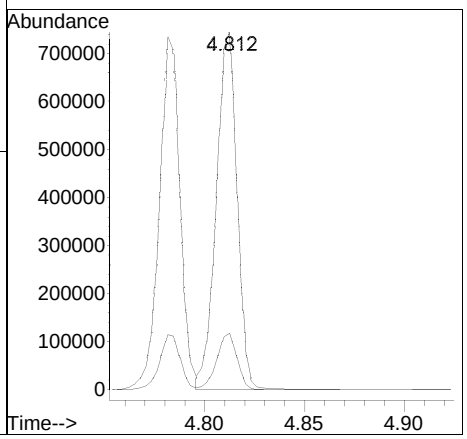


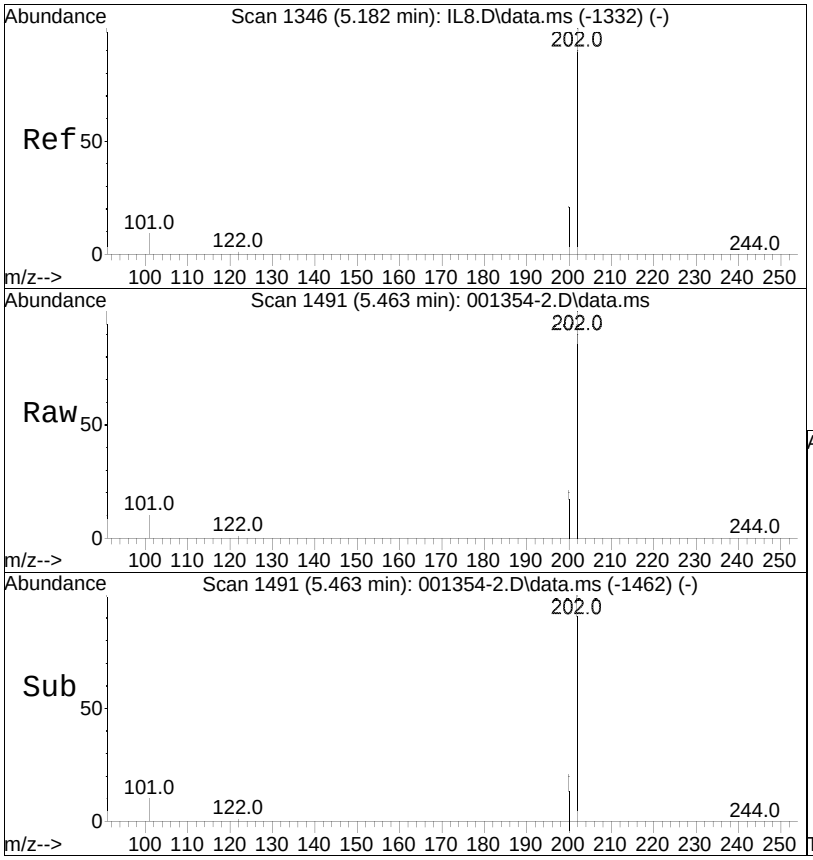


#27
Anthracene
Concen: 2071.73 ng/ml
RT: 4.812 min Scan# 1258
Delta R.T. 0.002 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:178 Resp: 537295

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

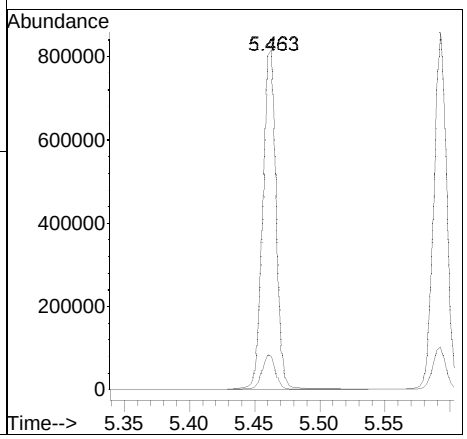


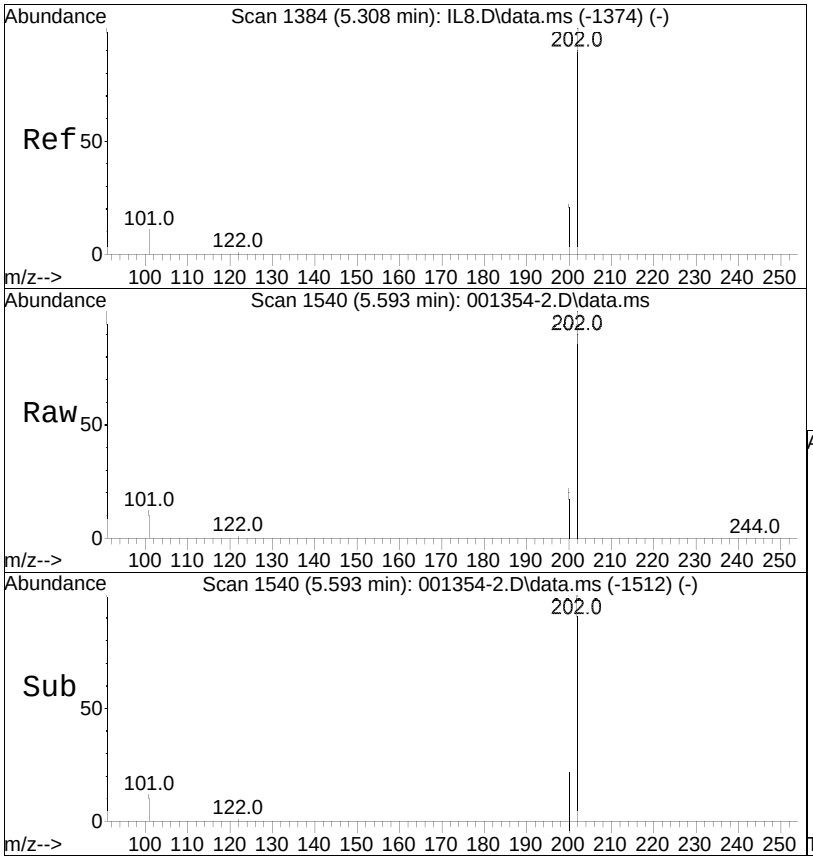


#28
Fluoranthene
Concen: 2022.12 ng/ml
RT: 5.463 min Scan# 1491
Delta R.T. -0.003 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:202 Resp: 583815

Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.8	11.6

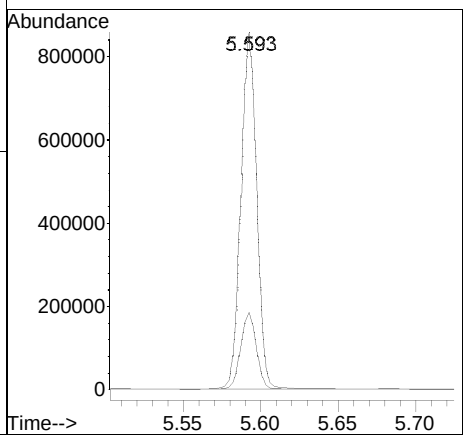


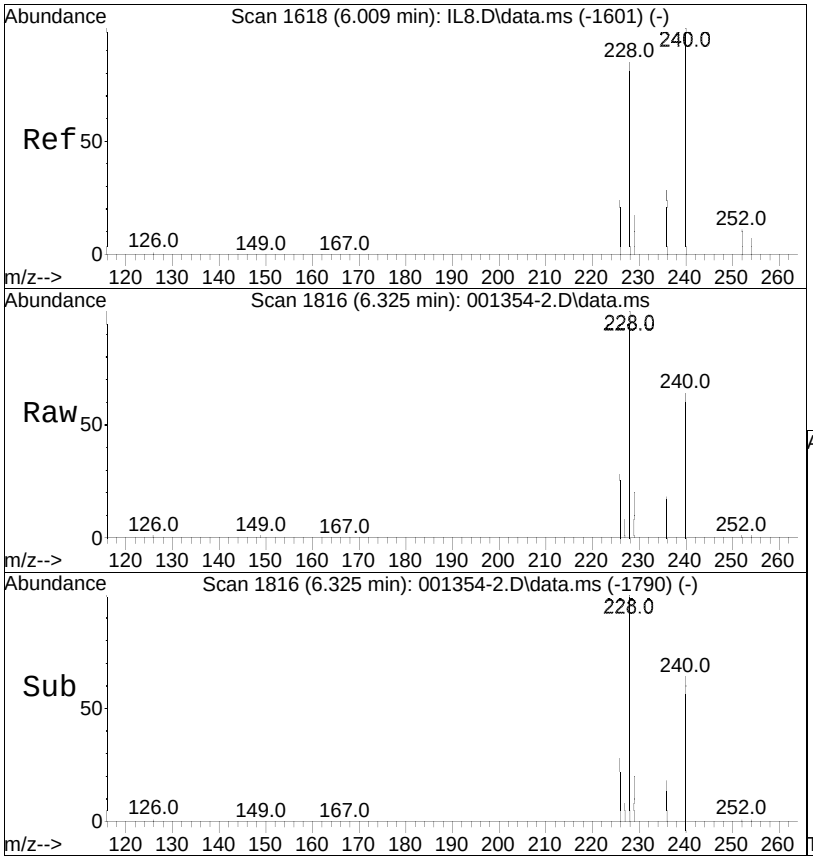


#29
Pyrene
Concen: 1996.39 ng/ml
RT: 5.593 min Scan# 1540
Delta R.T. -0.006 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:202 Resp: 594346

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3

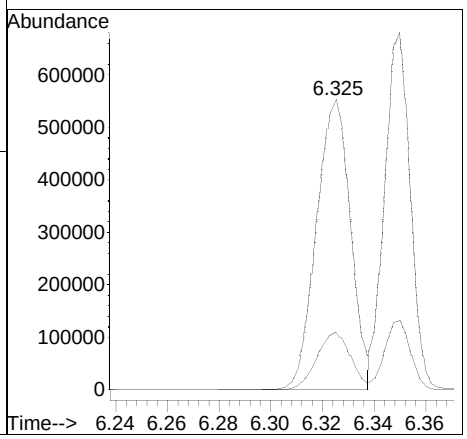


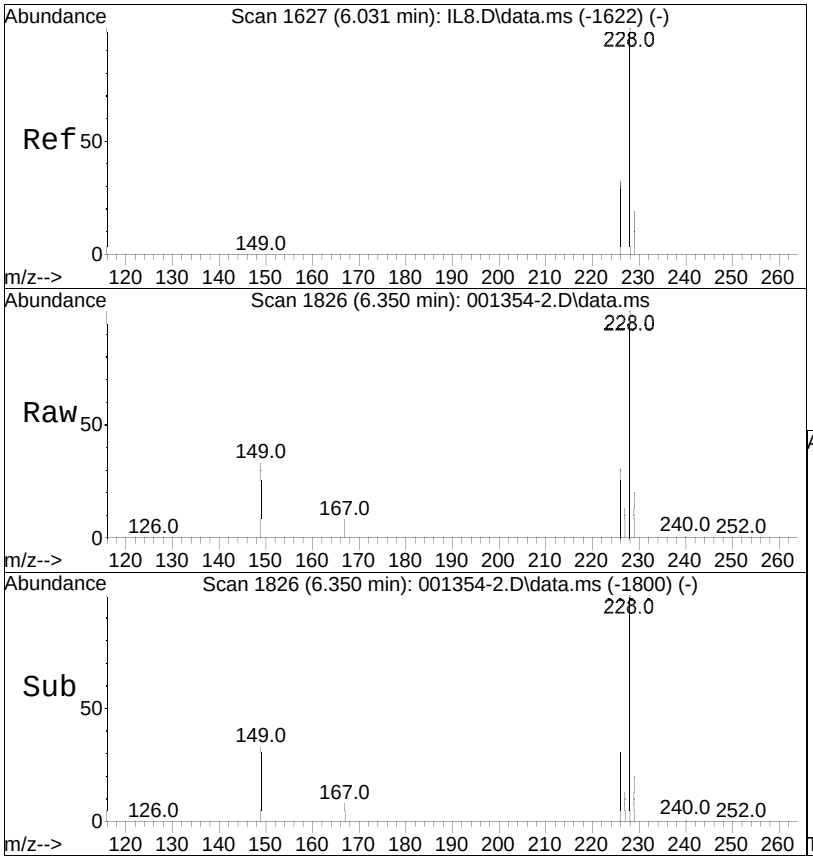


#32
Benzo[a]anthracene
Concen: 2191.40 ng/ml
RT: 6.325 min Scan# 1816
Delta R.T. -0.015 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:228 Resp: 509155

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

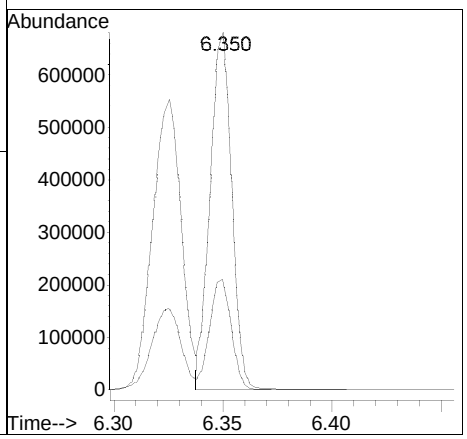


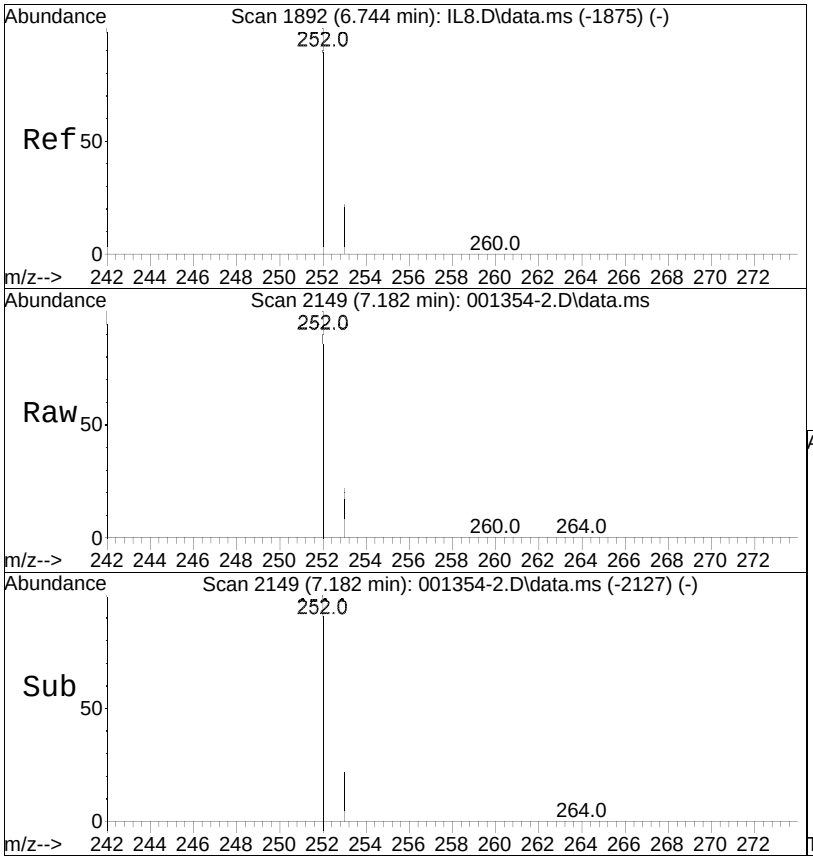


#34
Chrysene
Concen: 2322.16 ng/ml
RT: 6.350 min Scan# 1826
Delta R.T. -0.015 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:228 Resp: 467447

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3

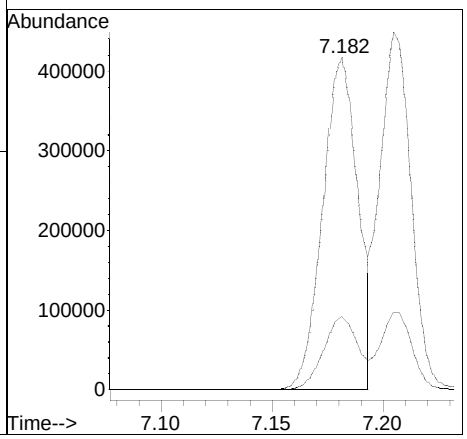


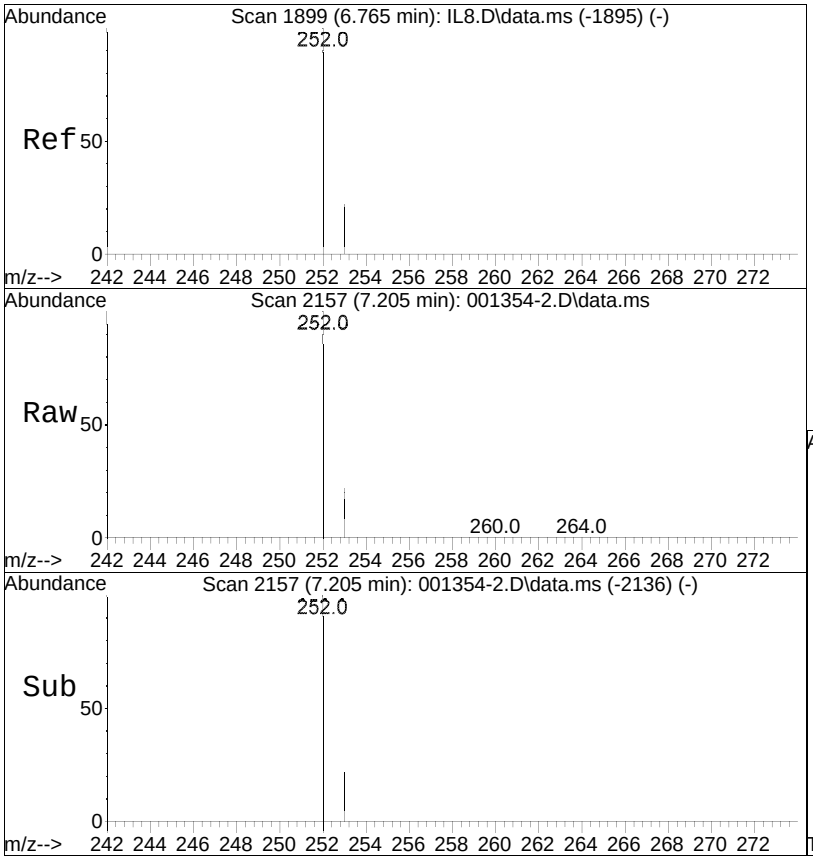


#37
Benzo[b]fluoranthene
Concen: 2154.54 ng/ml
RT: 7.182 min Scan# 2149
Delta R.T. -0.018 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:252 Resp: 460004

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

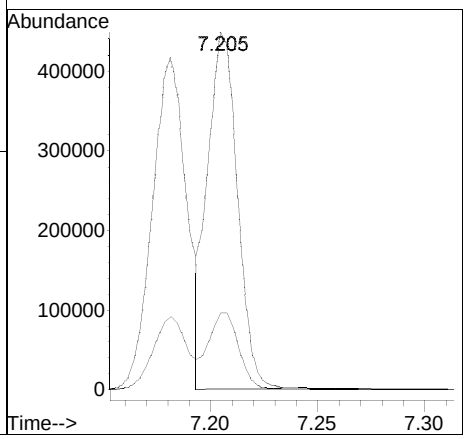


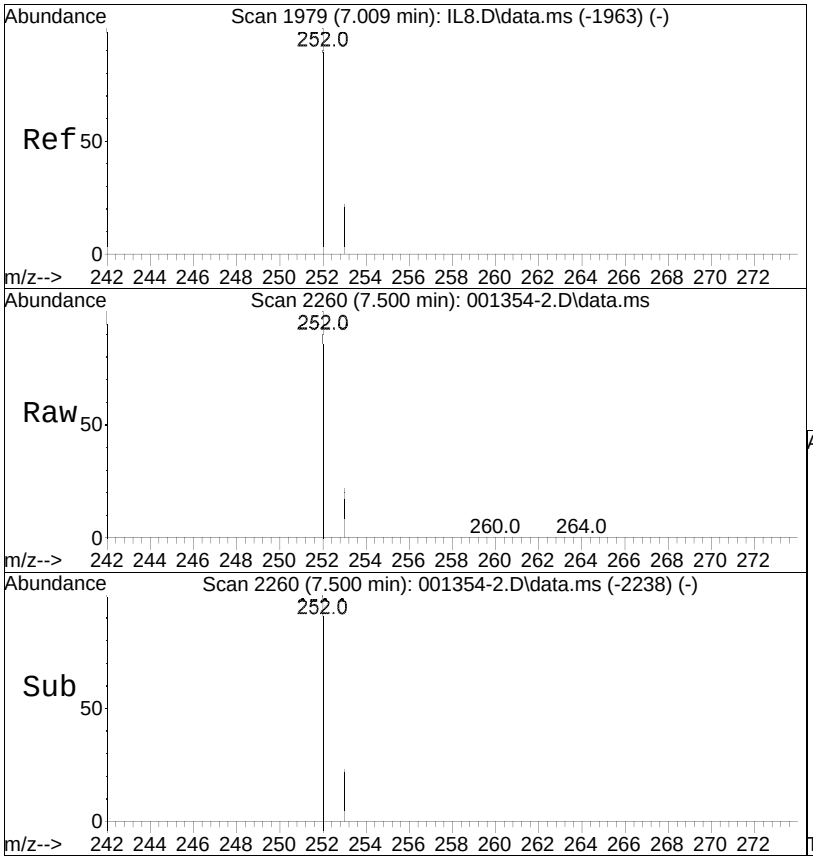


#38
Benzo[k]fluoranthene
Concen: 2260.79 ng/ml
RT: 7.205 min Scan# 2157
Delta R.T. -0.020 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:252 Resp: 433928

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

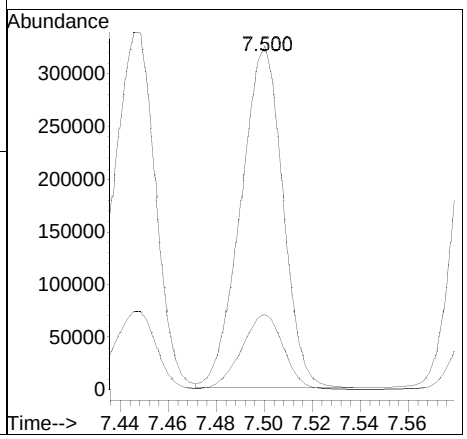


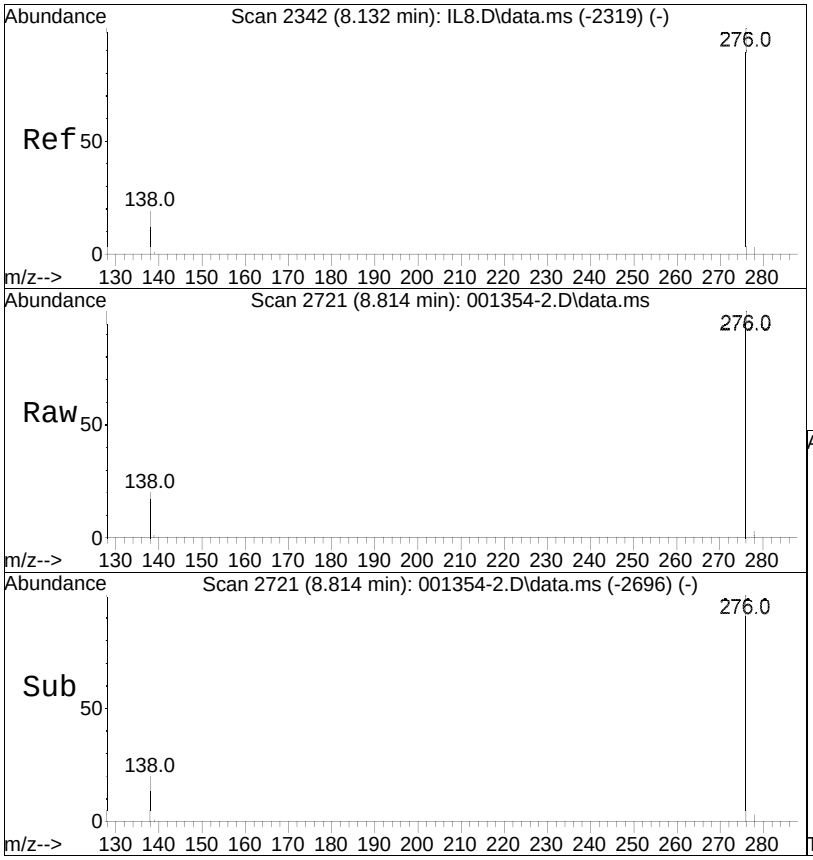


#39
Benzo[a]pyrene
Concen: 2254.03 ng/ml
RT: 7.500 min Scan# 2260
Delta R.T. -0.018 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:252 Resp: 394180

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2

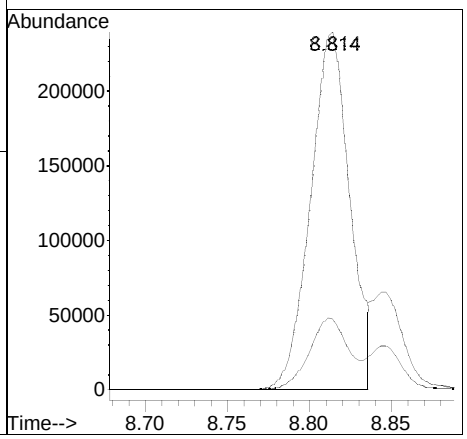


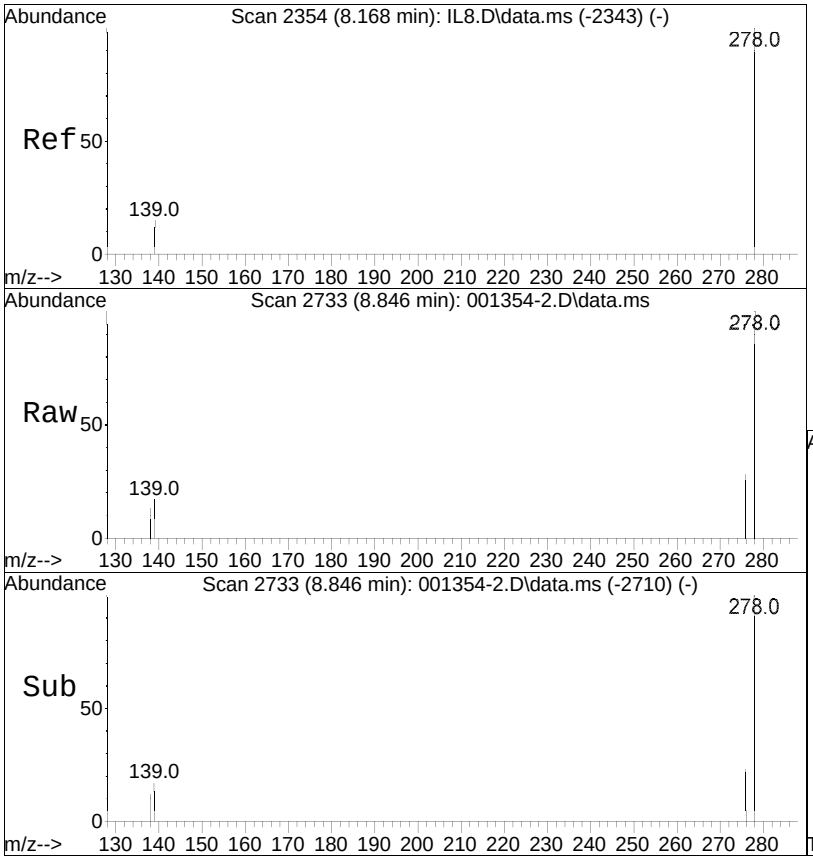


#40
Indeno[1,2,3-cd]pyrene
Concen: 2208.83 ng/ml
RT: 8.814 min Scan# 2721
Delta R.T. -0.014 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:276 Resp: 394981

Ion	Ratio	Lower	Upper
276	100		
138	19.8	15.4	23.0

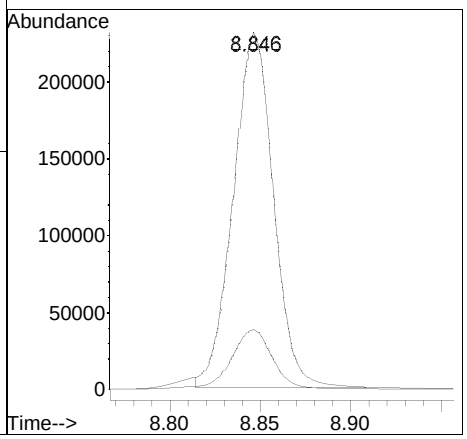


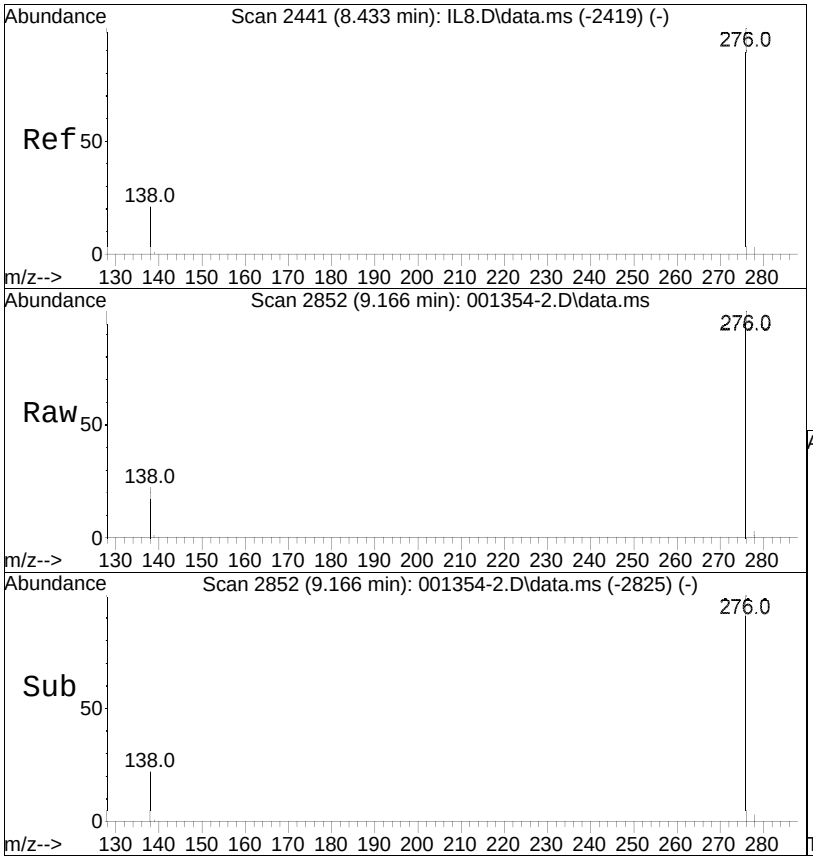


#41
Dibenzo[a,h]anthracene
Concen: 2117.86 ng/ml M6
RT: 8.846 min Scan# 2733
Delta R.T. -0.019 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:278 Resp: 355780

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.0	19.6

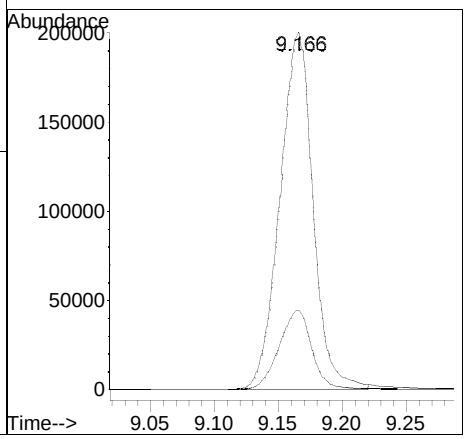




#42
Benzo[g,h,i]perylene
Concen: 2045.83 ng/ml
RT: 9.166 min Scan# 2852
Delta R.T. -0.009 min
Lab File: 001354-2.D
Acq: 23 Nov 2024 09:03 pm

Tgt Ion:276 Resp: 355306

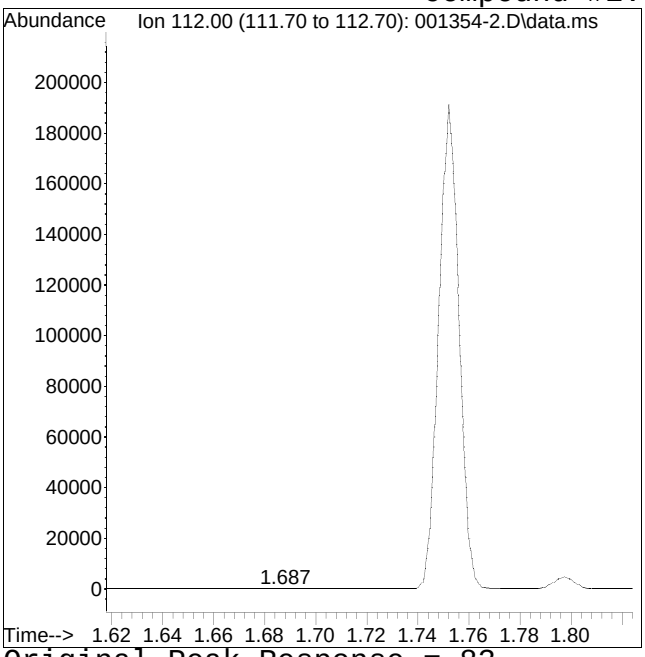
Ion	Ratio	Lower	Upper
276	100		
138	22.2	16.6	25.0

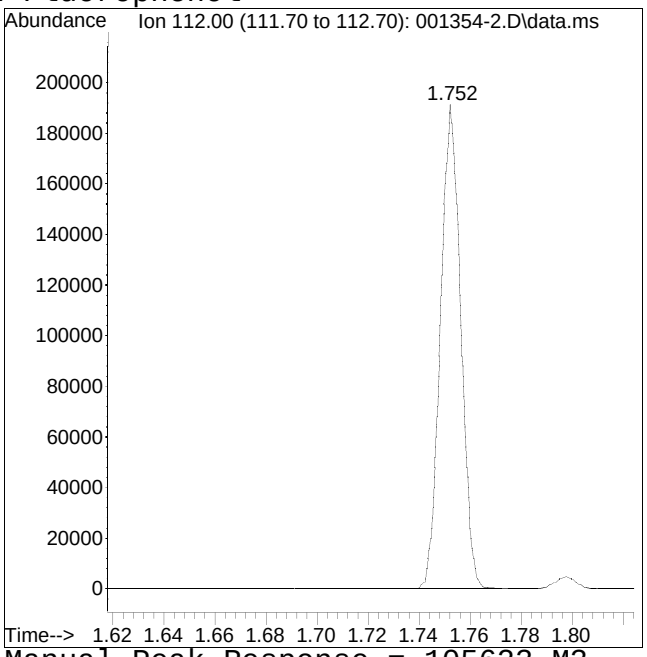


Manual Integration Report

Data Path : I:\8270SIM\sv120\241123RVTQMethod : SIM-RVT_241105_sv120.M
Data File : 001354-2.D Operator : SV120:dv
Date Inj'd : 11/23/2024 9:03 pm Instrument : SV120
Sample : WG2001354-2,32,,rp Quant Date : 11/23/2024 9:16 pm

Compound #2: 2-Fluorophenol





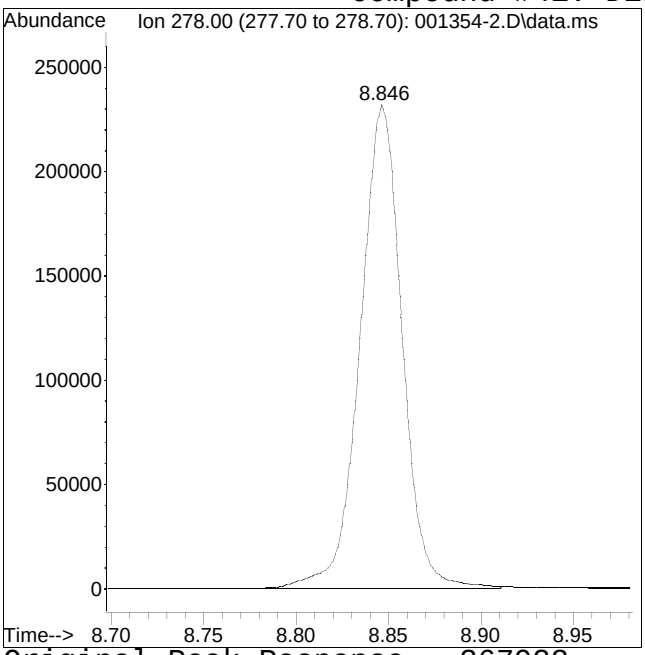
Original Peak Response = 83 Manual Peak Response = 105623 M3

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.

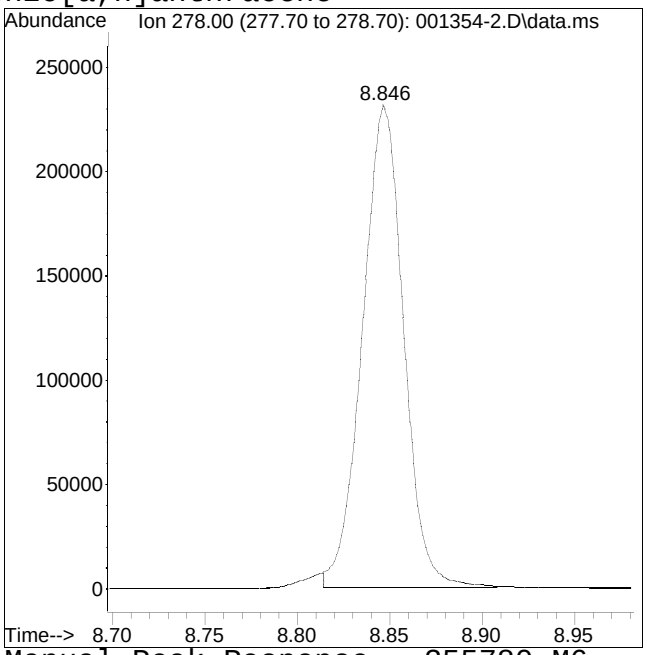
Manual Integration Report

Data Path : I:\8270SIM\sv120\241123RVTQMethod : SIM-RVT_241105_sv120.M
Data File : 001354-2.D Operator : SV120:dv
Date Inj'd : 11/23/2024 9:03 pm Instrument : SV120
Sample : WG2001354-2,32,,rp Quant Date : 11/23/2024 9:16 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 367922



Manual Peak Response = 355780 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-2.D
Acq On : 24 Nov 2024 11:12 am
Operator : SV120:kmh
Sample : WG2001588-2,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 11:25:54 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.297	152	279973	4000.000 ng/ml	0.00
Standard Area 1 = 217001			Recovery	= 129.02%	
8) Naphthalene-d8	2.954	136	1179869	4000.000 ng/ml	# 0.00
Standard Area 1 = 867141			Recovery	= 136.06%	
17) Acenaphthene-d10	3.931	164	649285	4000.000 ng/ml	0.00
Standard Area 1 = 513045			Recovery	= 126.56%	
22) Phenanthrene-d10	4.771	188	1208995	4000.000 ng/ml	0.00
Standard Area 1 = 1011820			Recovery	= 119.49%	
31) Chrysene-d12	6.331	240	853829	4000.000 ng/ml	0.00
Standard Area 1 = 870473			Recovery	= 98.09%	
36) Perylene-d12	7.564	264	740795	4000.000 ng/ml	0.00
Standard Area 1 = 832237			Recovery	= 89.01%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.739	112	75479	915.903 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 45.80%	
3) Phenol-d6	2.116	99	69328	684.660 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 34.23%	
7) Nitrobenzene-d5	2.572	82	80942	905.470 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 90.55%	
13) 2-Fluorobiphenyl	3.550	172	198666	835.400 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 83.54%	
21) 2,4,6-Tribromophenol	4.376	330	57658	2230.757 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 111.54%#	
30) 4-Terphenyl-d14	5.684	244	210861	959.179 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 47.96%	
Target Compounds					Qvalue
6) Hexachloroethane	2.553	117	47939	1307.912 ng/ml	100
9) Naphthalene	2.967	128	431902	1464.362 ng/ml	99
10) Hexachlorobutadiene	3.034	225	71774	1284.287 ng/ml	100
11) 2-Methylnaphthalene	3.344	142	314906	1537.893 ng/ml	100
14) 2-Chloronaphthalene	3.614	162	312888	1539.292 ng/ml	93
16) Acenaphthylene	3.848	152	484056	1651.694 ng/ml	100
18) Acenaphthene	3.948	153	330514	1686.448 ng/ml	91
20) Fluorene	4.238	166	390593	1841.884 ng/ml	100
24) Hexachlorobenzene	4.555	284	124211	1945.009 ng/ml	99
25) Pentachlorophenol	4.669	266	78020	2122.813 ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-2.D
Acq On : 24 Nov 2024 11:12 am
Operator : SV120:kmh
Sample : WG2001588-2,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 11:25:54 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.782	178	581627	2018.787	ng/ml	100
27) Anthracene	4.810	178	582677	1954.759	ng/ml	100
28) Fluoranthene	5.461	202	664612	2002.840	ng/ml	98
29) Pyrene	5.594	202	671244	1961.696	ng/ml	100
32) Benzo[a]anthracene	6.324	228	551046	2111.748	ng/ml	99
34) Chrysene	6.349	228	500764	2215.372	ng/ml	100
37) Benzo[b]fluoranthene	7.180	252	482308	2145.678	ng/ml	100
38) Benzo[k]fluoranthene	7.203	252	442185	2188.232	ng/ml	100
39) Benzo[a]pyrene	7.498	252	404982	2199.618	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.812	276	410851	2182.313	ng/ml	96
41) Dibenzo[a,h]anthracene	8.847	278	362993M6	2052.390	ng/ml	
42) Benzo[g,h,i]perylene	9.164	276	370410	2025.797	ng/ml	96

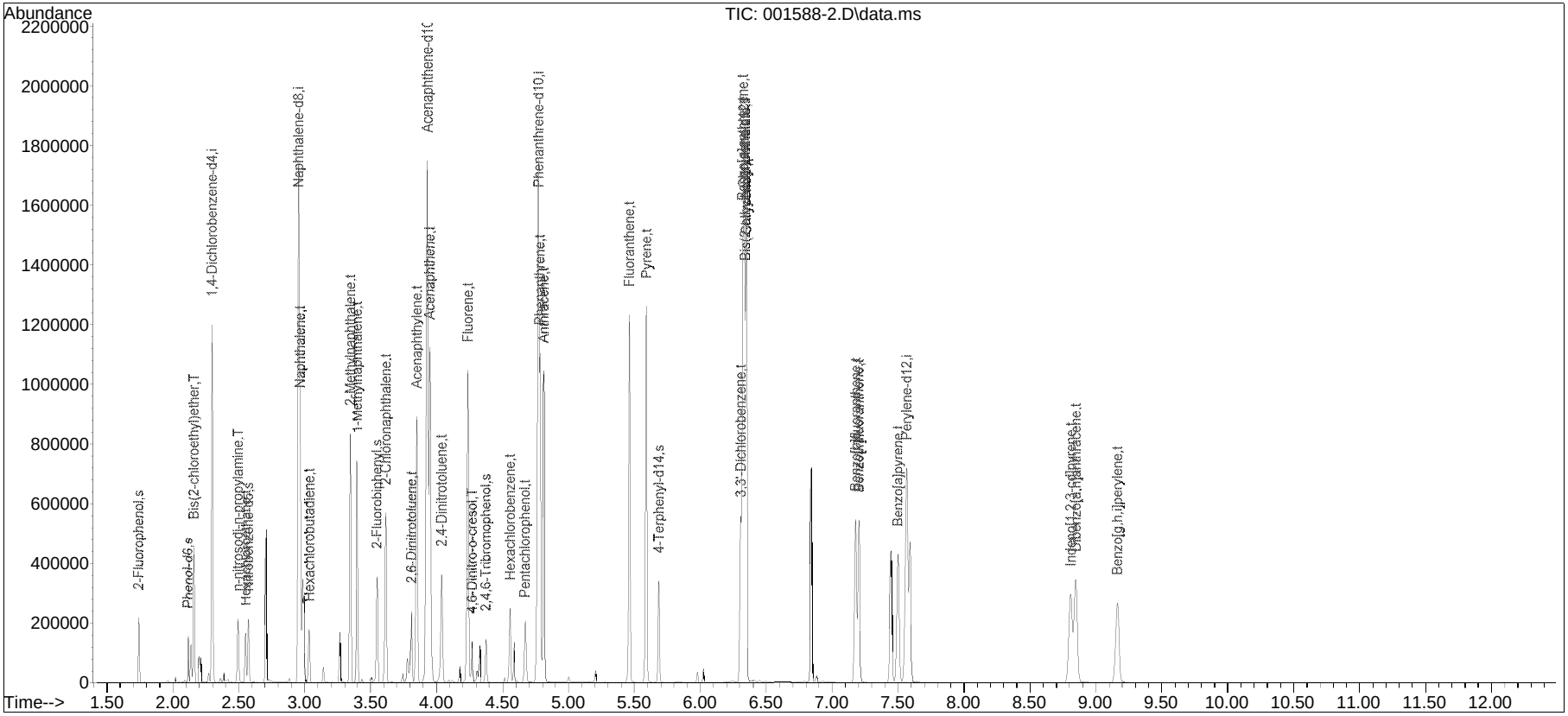
(#) = qualifier out of range (m) = manual integration (+) = signals summed

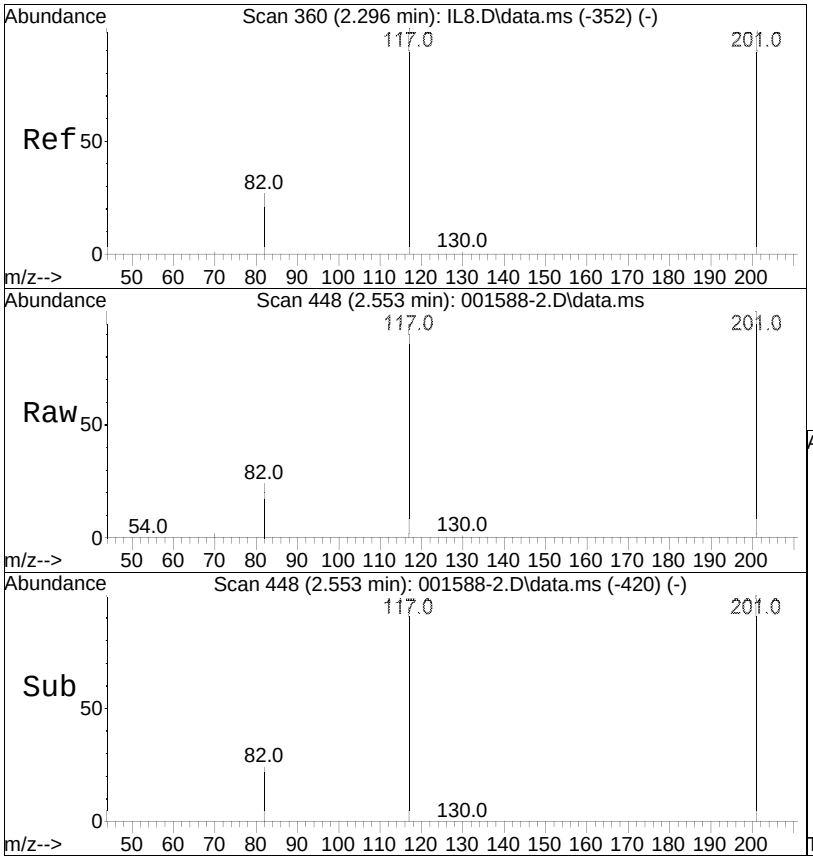
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-2.D
Acq On : 24 Nov 2024 11:12 am
Operator : SV120:kmh
Sample : WG2001588-2,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 11:25:54 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1124.D•

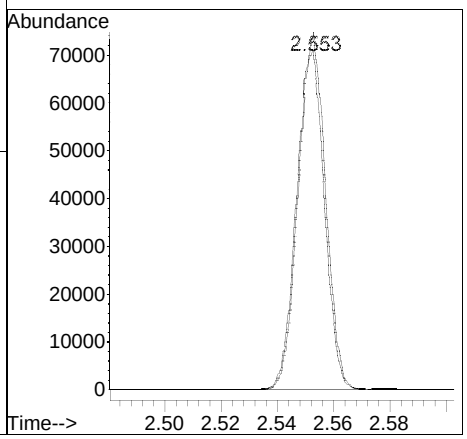


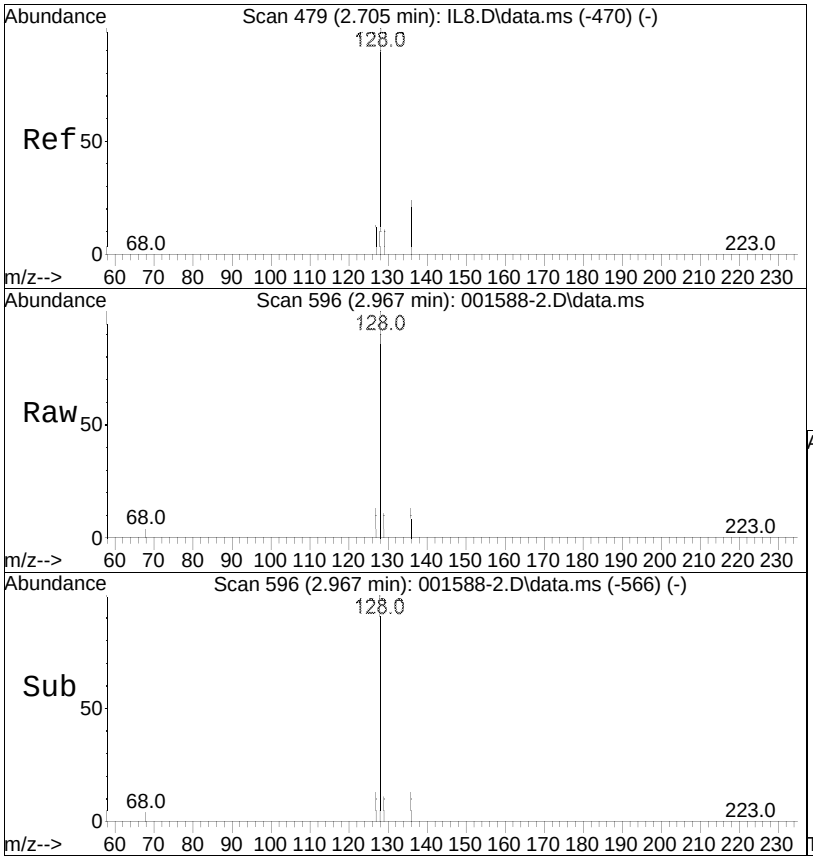


#6
Hexachloroethane
Concen: 1307.91 ng/ml
RT: 2.553 min Scan# 448
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:117 Resp: 47939

Ion	Ratio	Lower	Upper
117	100		
201	102.9	82.0	123.0

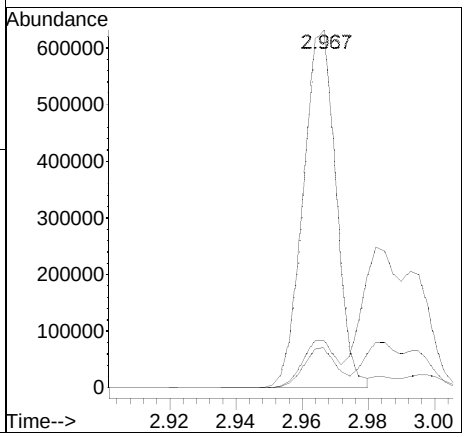


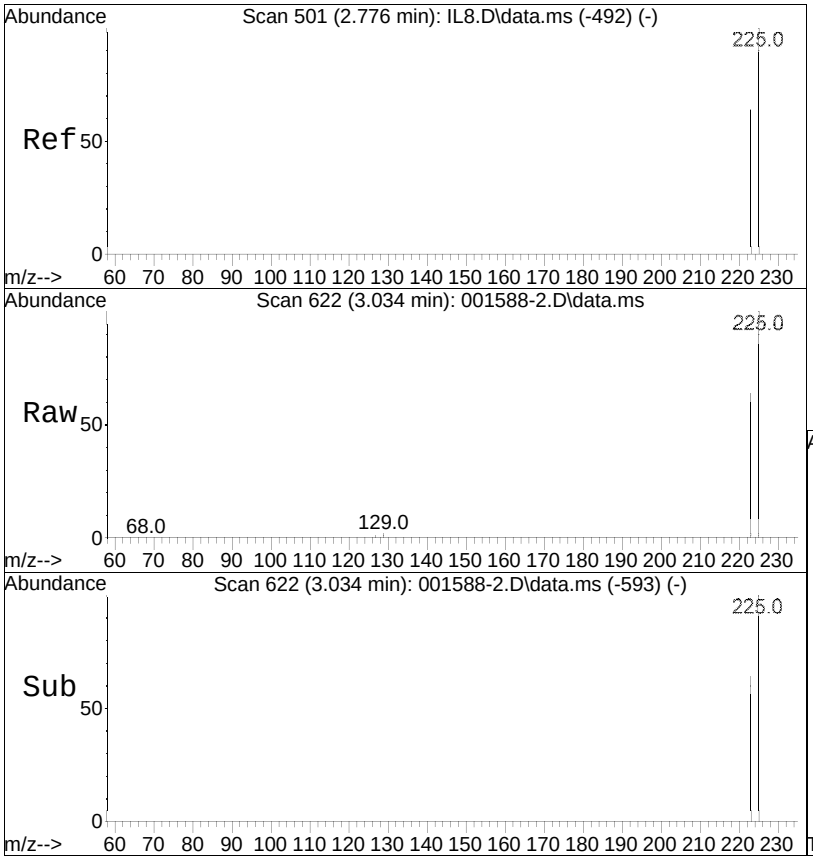


#9
Naphthalene
Concen: 1464.36 ng/ml
RT: 2.967 min Scan# 596
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:128 Resp: 431902

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	13.7	10.7	16.1

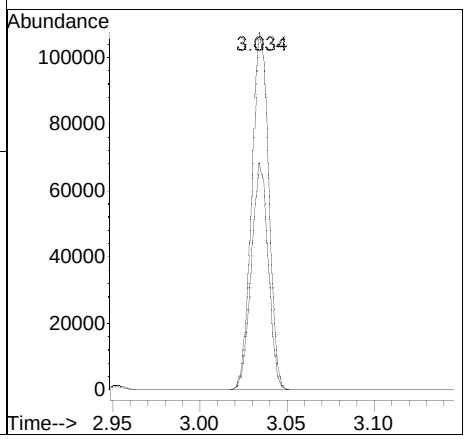


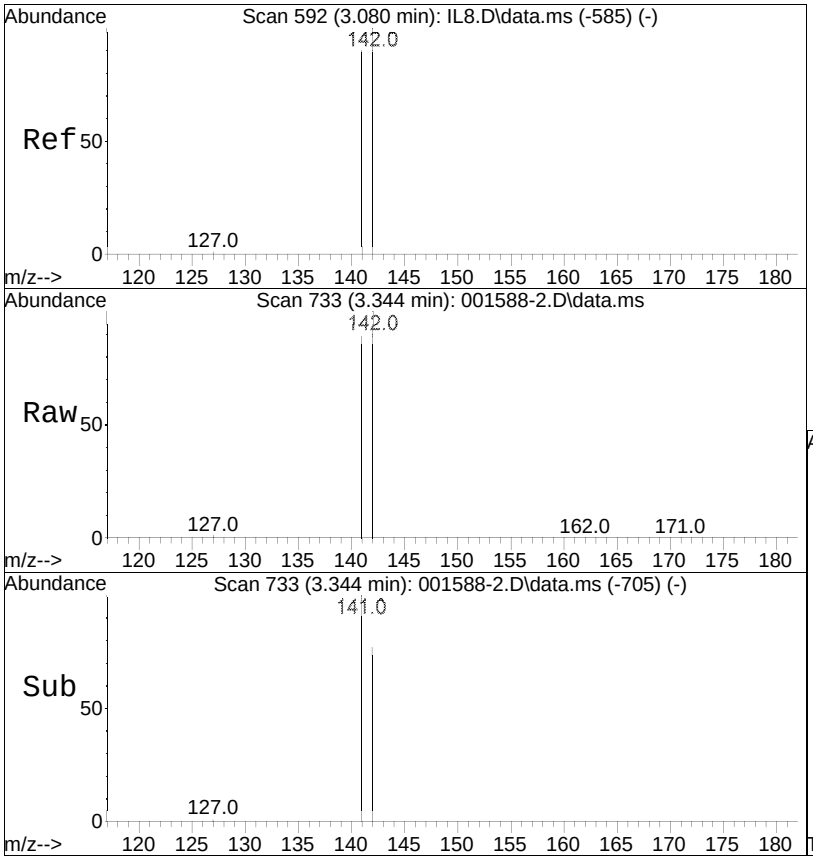


#10
Hexachlorobutadiene
Concen: 1284.29 ng/ml
RT: 3.034 min Scan# 622
Delta R.T. -0.005 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:225 Resp: 71774

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.5	75.7

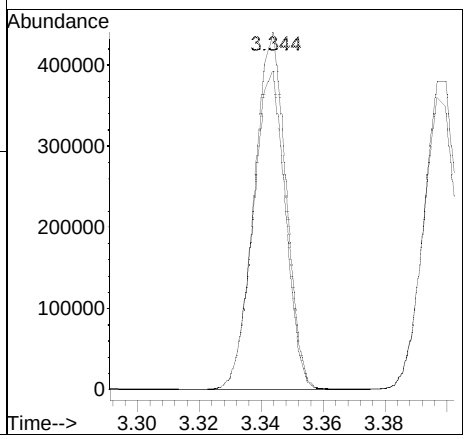


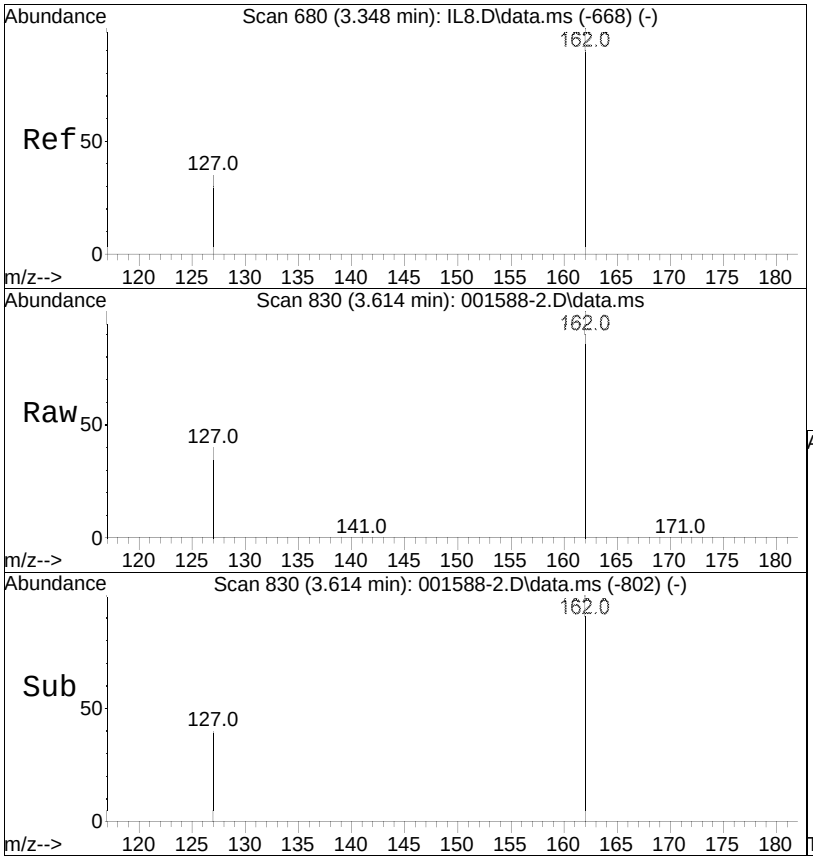


#11
2-Methylnaphthalene
Concen: 1537.89 ng/ml
RT: 3.344 min Scan# 733
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:142 Resp: 314906

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.2	108.2

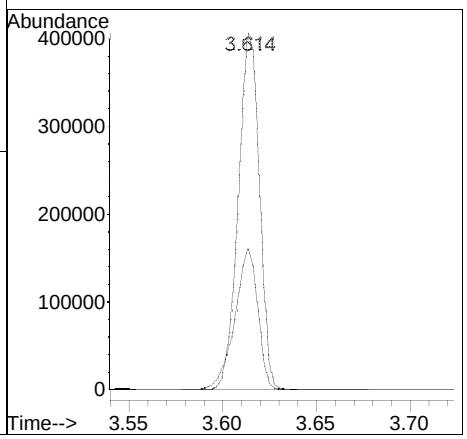


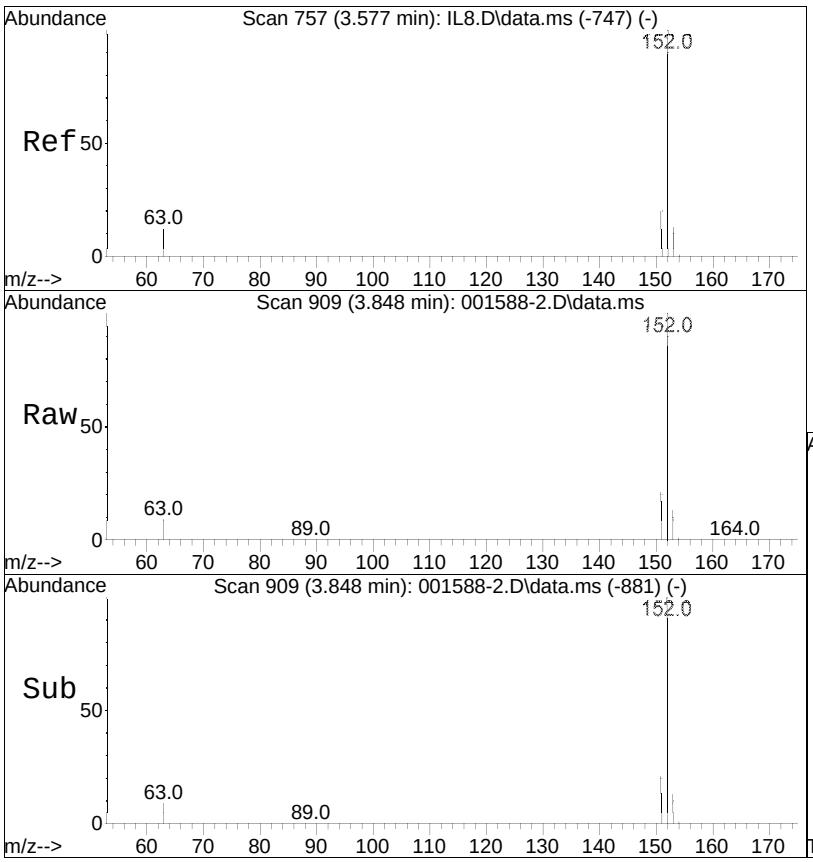


#14
2-Chloronaphthalene
Concen: 1539.29 ng/ml
RT: 3.614 min Scan# 830
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:162 Resp: 312888

Ion	Ratio	Lower	Upper
162	100		
127	43.2	31.0	46.4

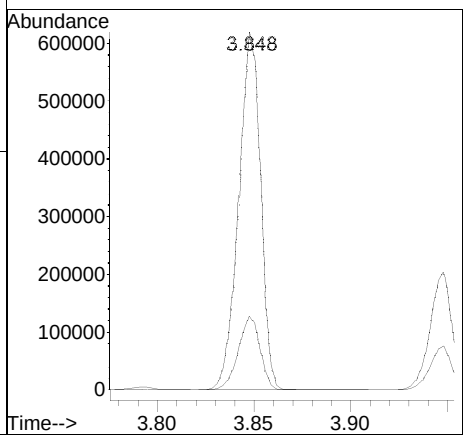


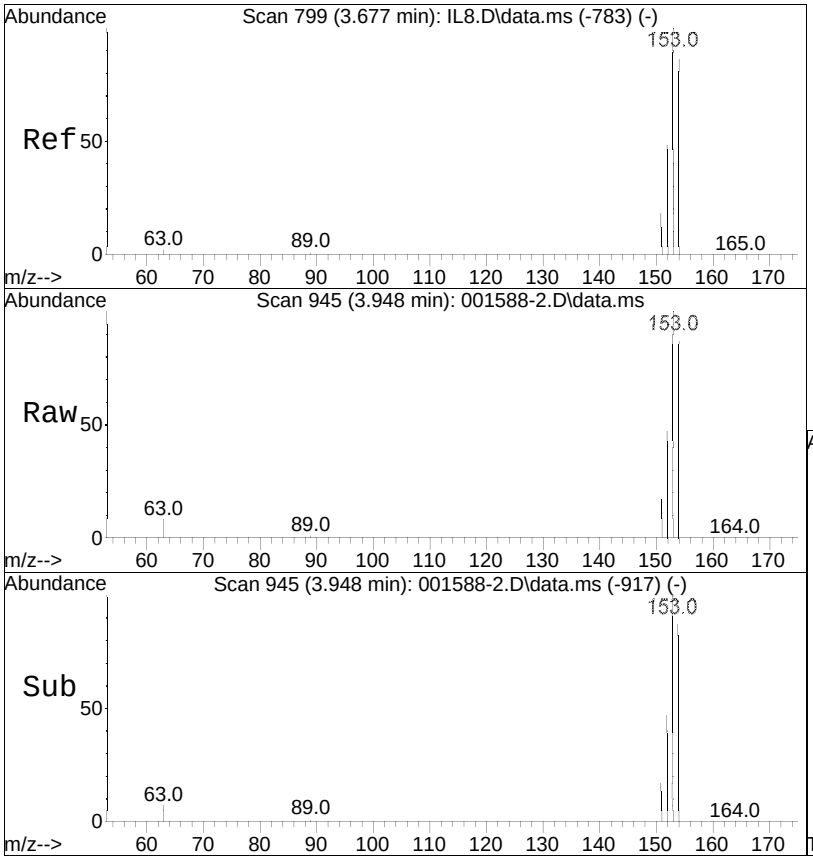


#16
Acenaphthylene
Concen: 1651.69 ng/ml
RT: 3.848 min Scan# 909
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:152 Resp: 484056

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

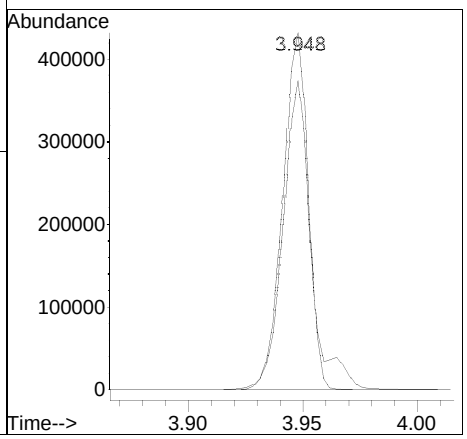


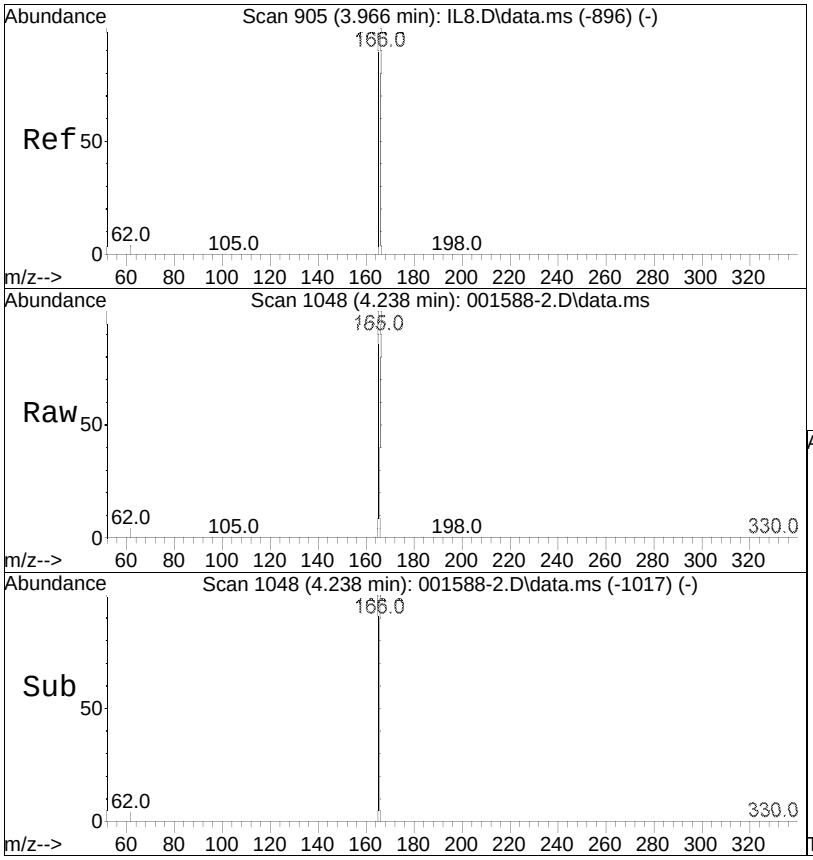


#18
Acenaphthene
Concen: 1686.45 ng/ml
RT: 3.948 min Scan# 945
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:153 Resp: 330514

Ion	Ratio	Lower	Upper
153	100		
154	95.8	69.8	104.6

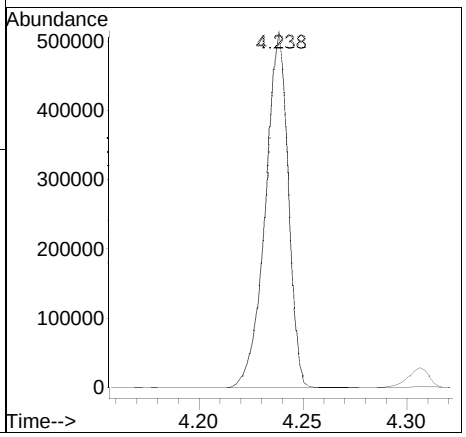


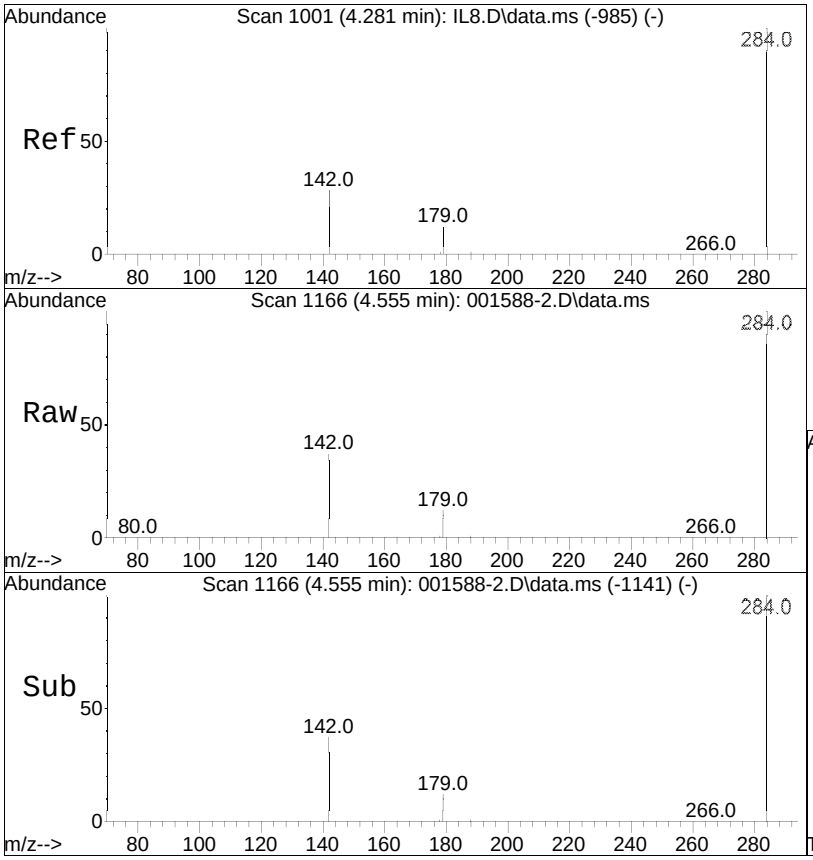


#20
Fluorene
Concen: 1841.88 ng/ml
RT: 4.238 min Scan# 1048
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:166 Resp: 390593

Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.1	120.1

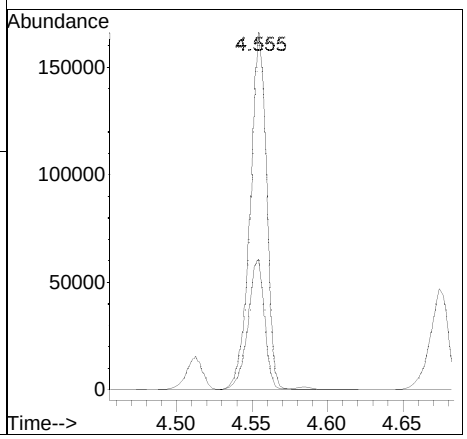


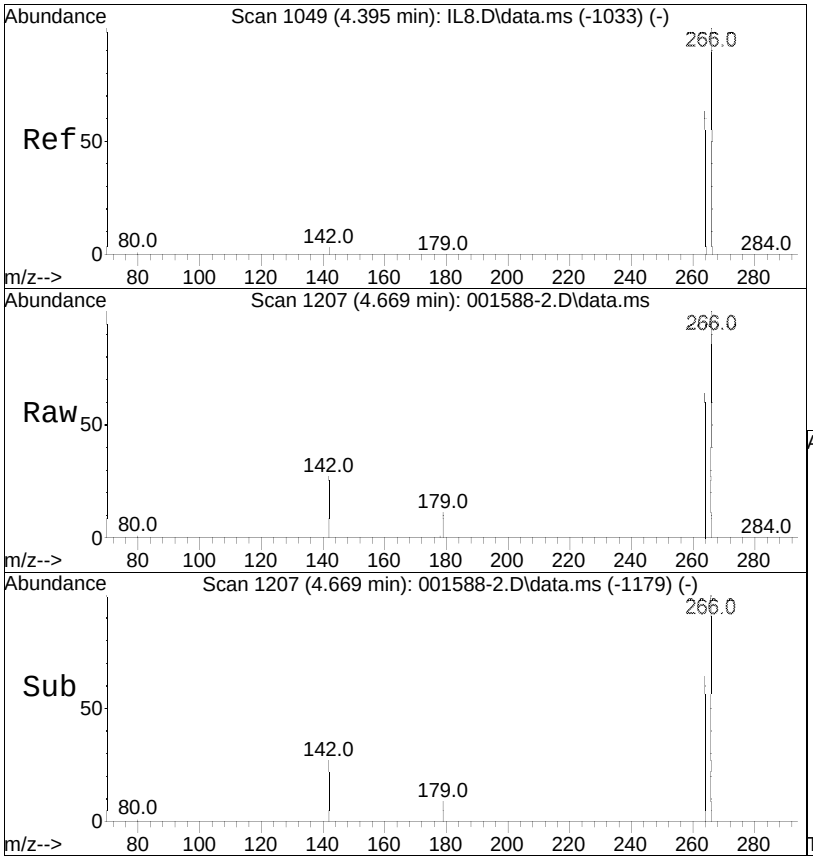


#24
Hexachlorobenzene
Concen: 1945.01 ng/ml
RT: 4.555 min Scan# 1166
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:284 Resp: 124211

Ion	Ratio	Lower	Upper
284	100		
142	37.0	30.2	45.2

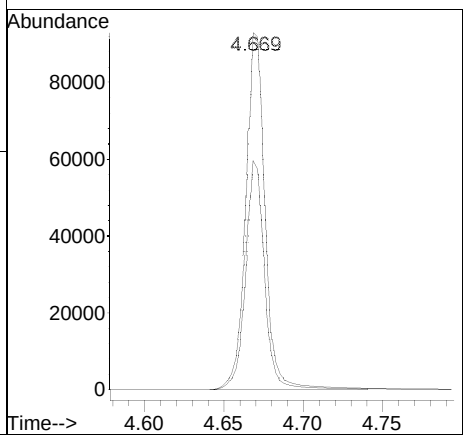


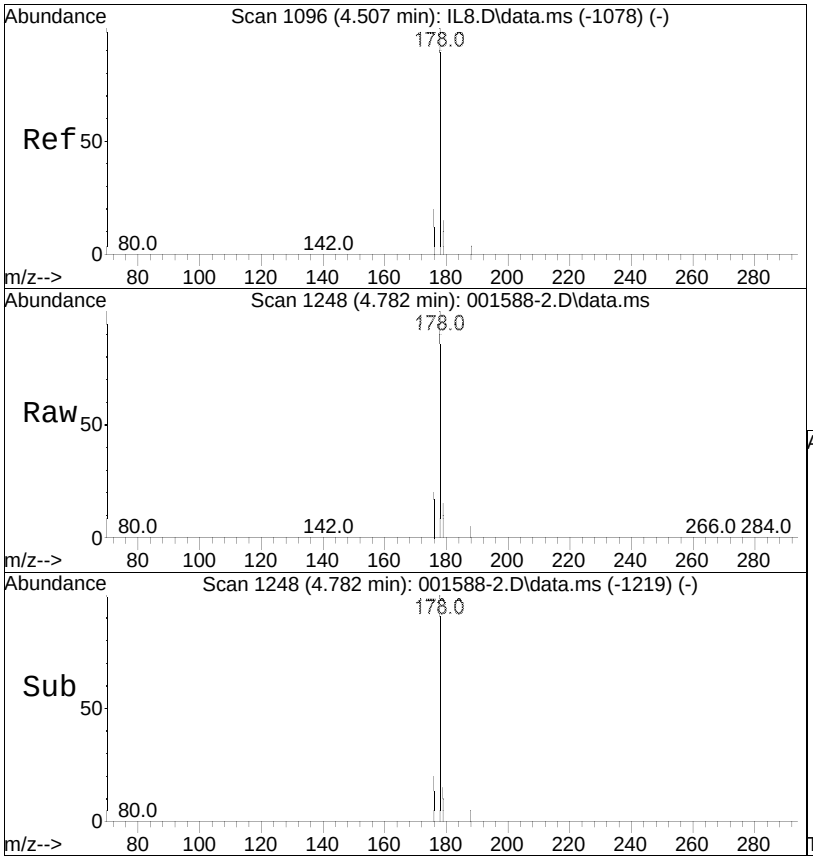


#25
Pentachlorophenol
Concen: 2122.81 ng/ml
RT: 4.669 min Scan# 1207
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:266 Resp: 78020

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.3	75.5

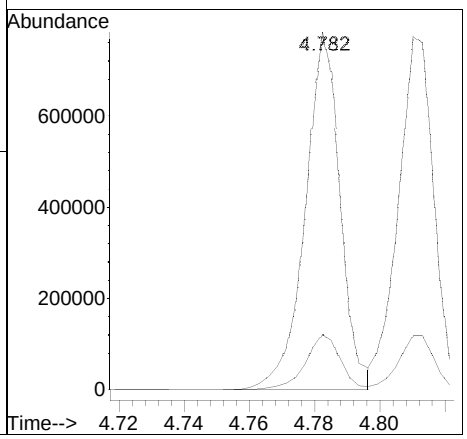


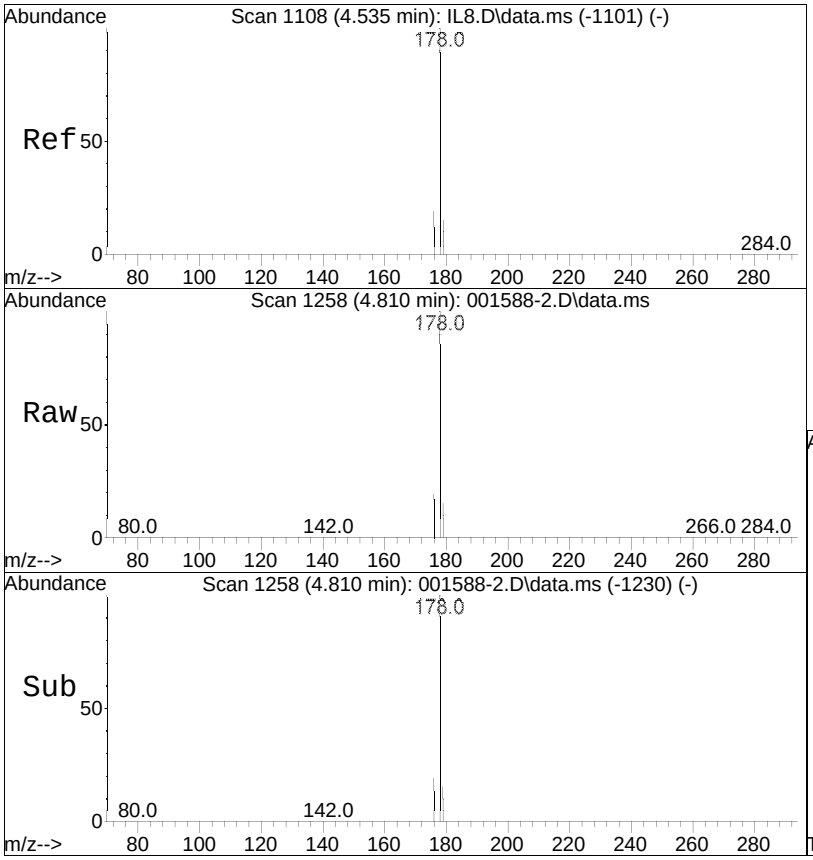


#26
Phenanthrene
Concen: 2018.79 ng/ml
RT: 4.782 min Scan# 1248
Delta R.T. -0.000 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:178 Resp: 581627

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

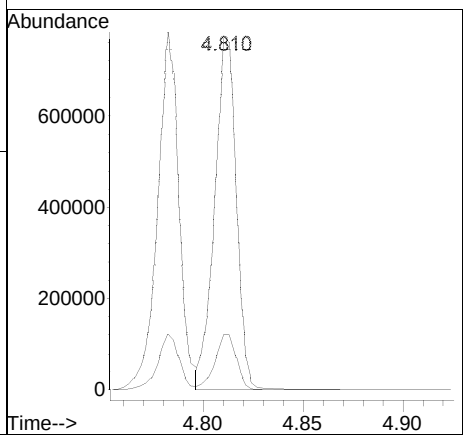


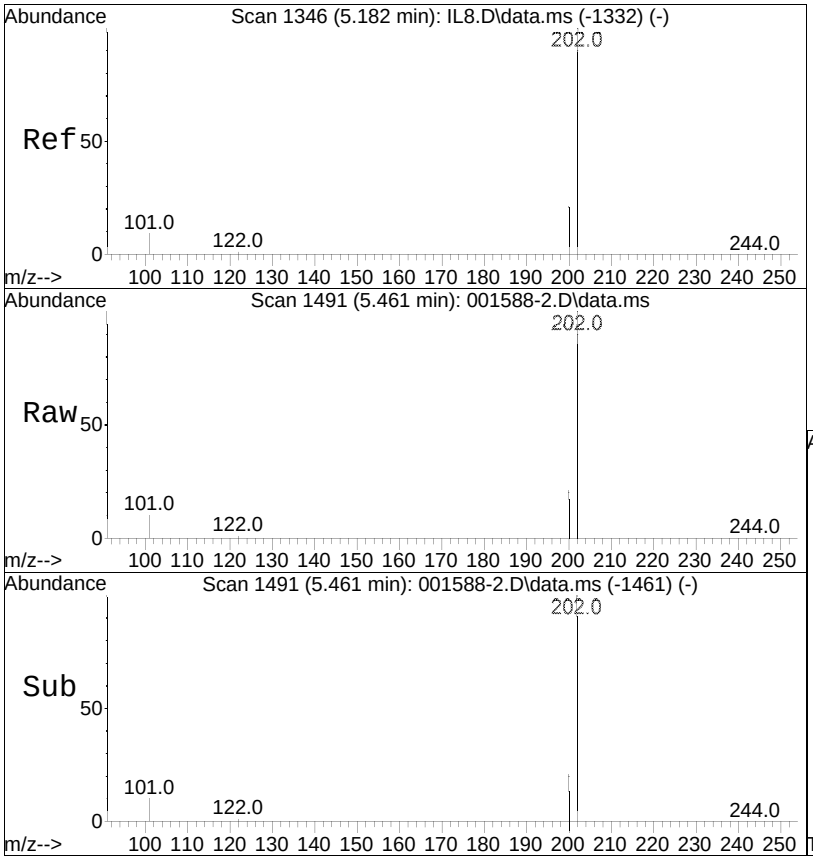


#27
Anthracene
Concen: 1954.76 ng/ml
RT: 4.810 min Scan# 1258
Delta R.T. -0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:178 Resp: 582677

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

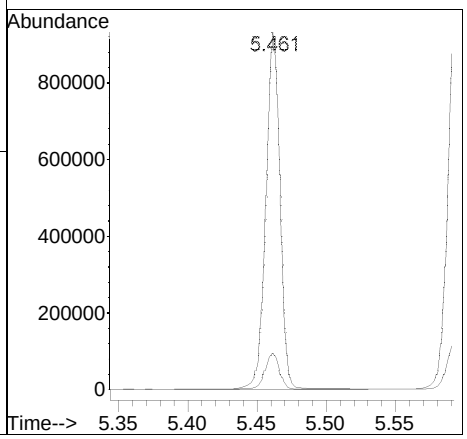


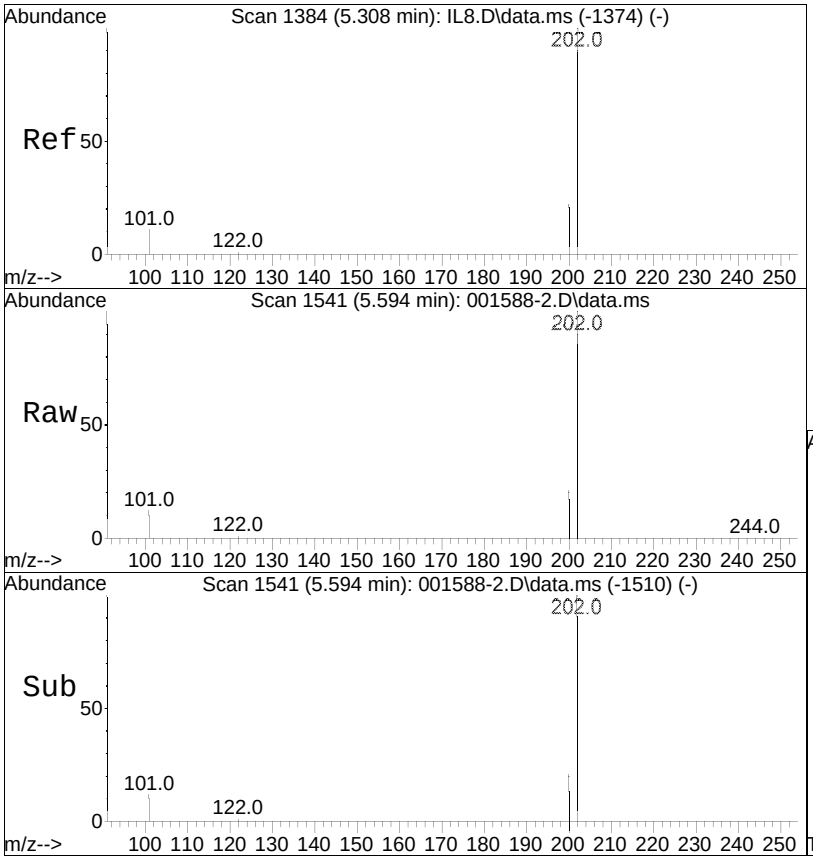


#28
Fluoranthene
Concen: 2002.84 ng/ml
RT: 5.461 min Scan# 1491
Delta R.T. -0.000 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:202 Resp: 664612

Ion	Ratio	Lower	Upper
202	100		
101	10.4	7.8	11.6

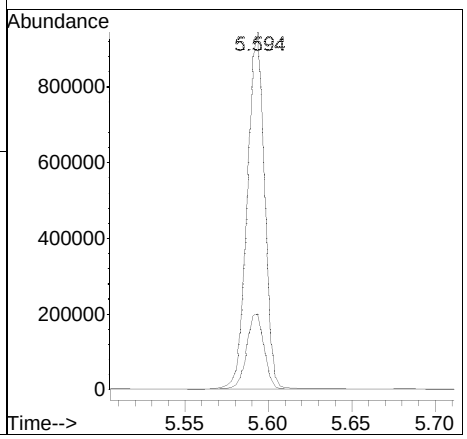


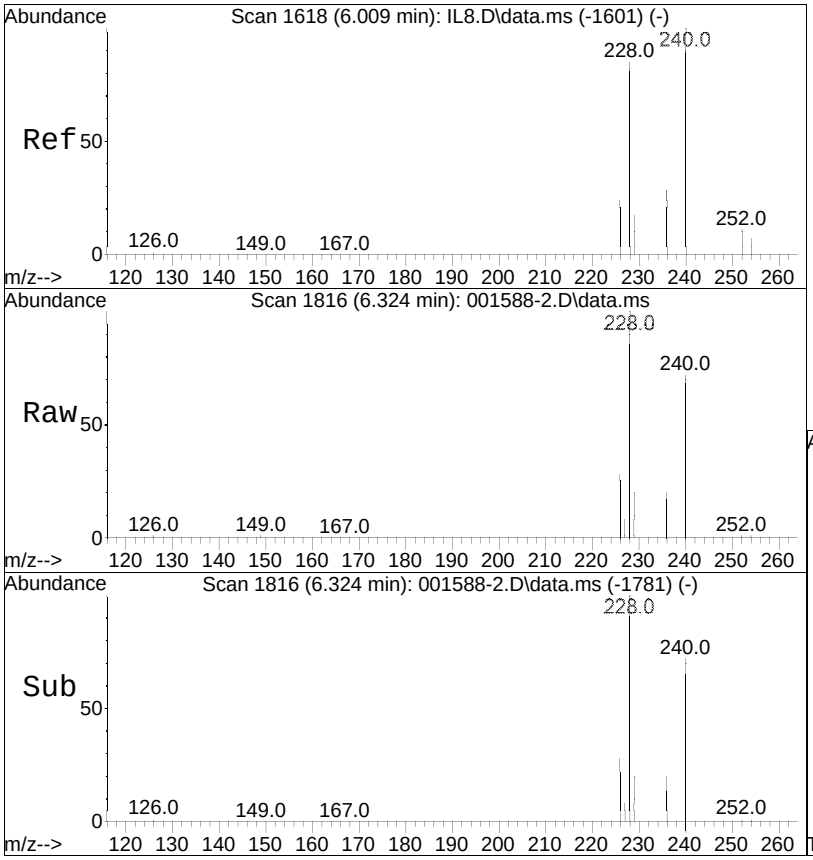


#29
Pyrene
Concen: 1961.70 ng/ml
RT: 5.594 min Scan# 1541
Delta R.T. 0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:202 Resp: 671244

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3

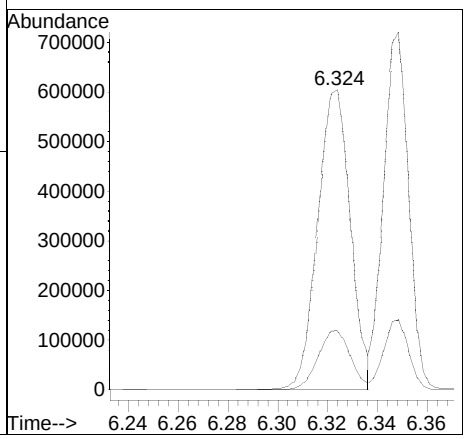


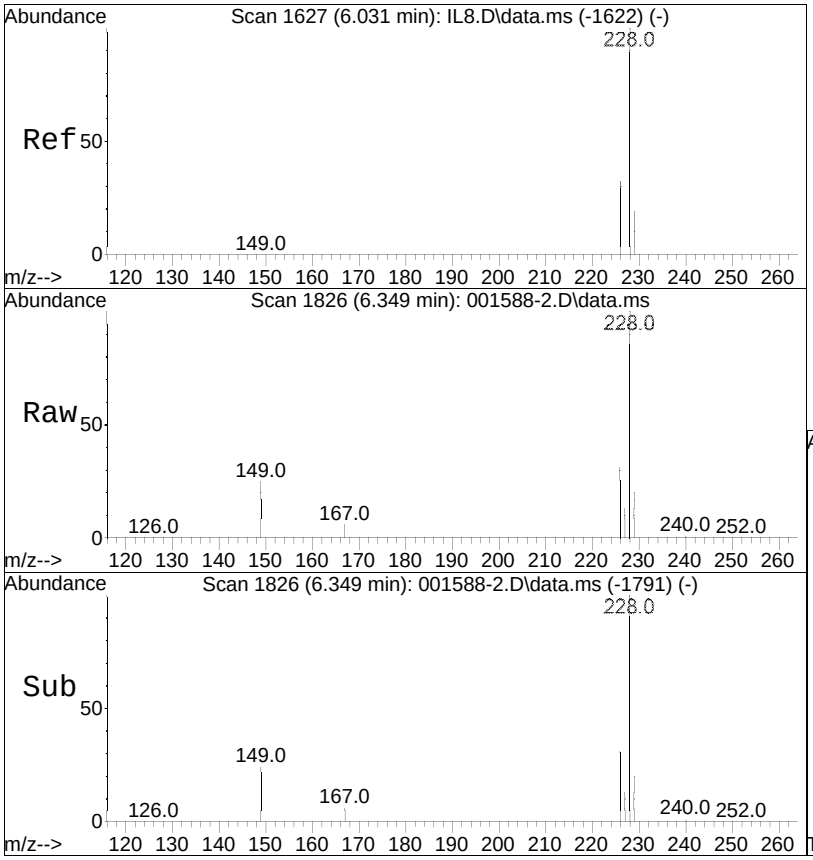


#32
Benzo[a]anthracene
Concen: 2111.75 ng/ml
RT: 6.324 min Scan# 1816
Delta R.T. 0.005 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:228 Resp: 551046

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

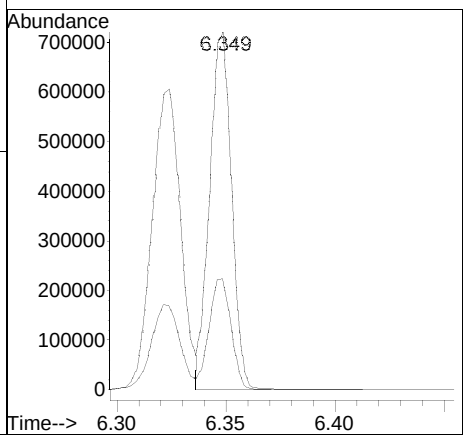


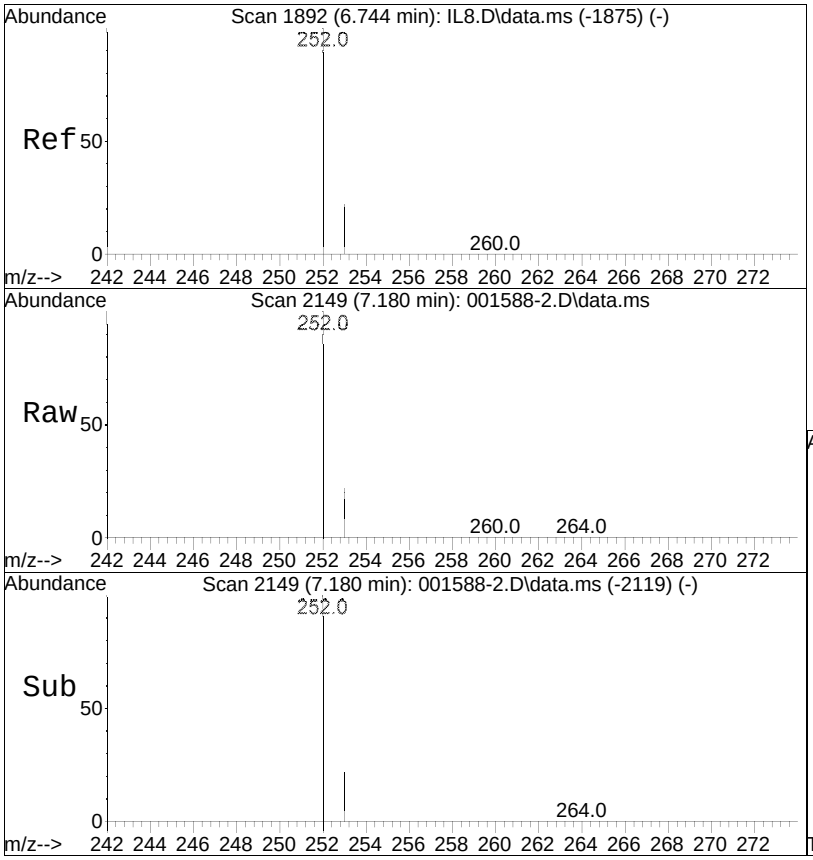


#34
Chrysene
Concen: 2215.37 ng/ml
RT: 6.349 min Scan# 1826
Delta R.T. 0.005 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:228 Resp: 500764

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3

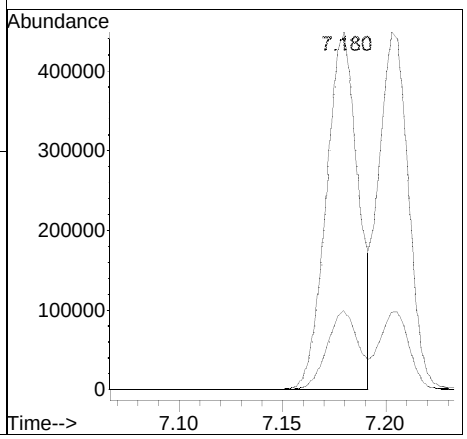


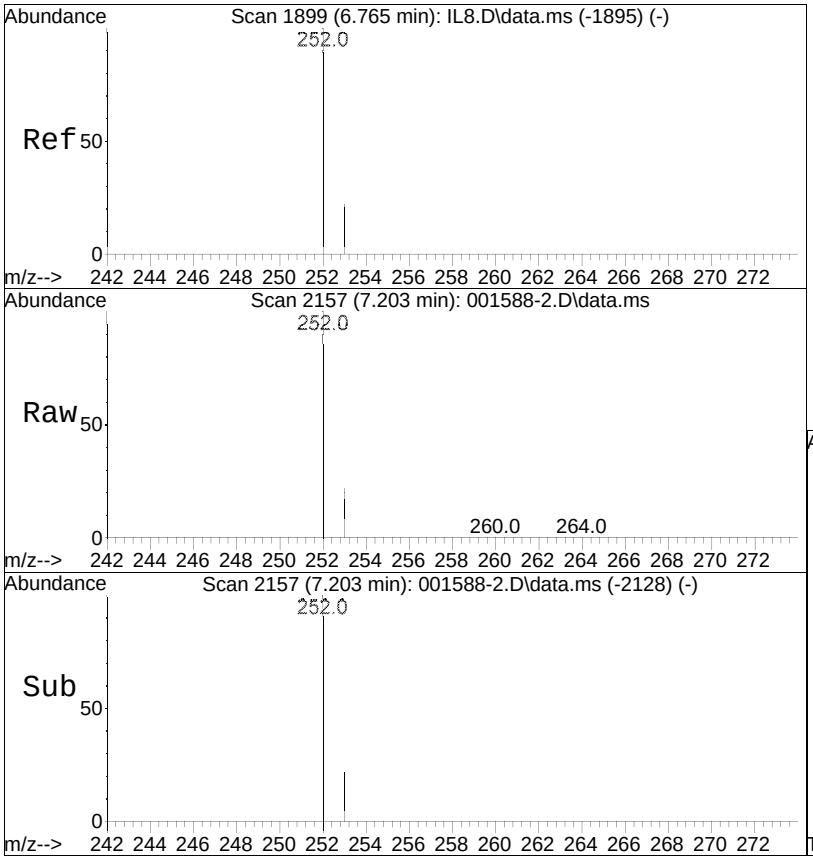


#37
Benzo[b]fluoranthene
Concen: 2145.68 ng/ml
RT: 7.180 min Scan# 2149
Delta R.T. 0.006 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:252 Resp: 482308

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

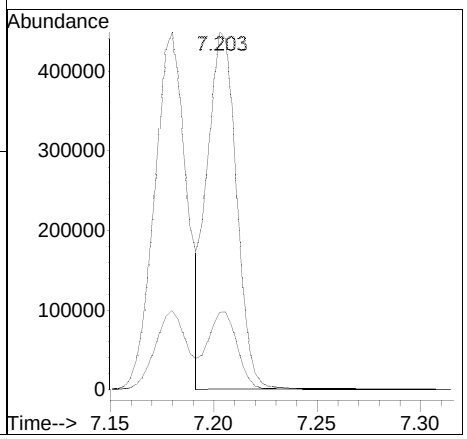


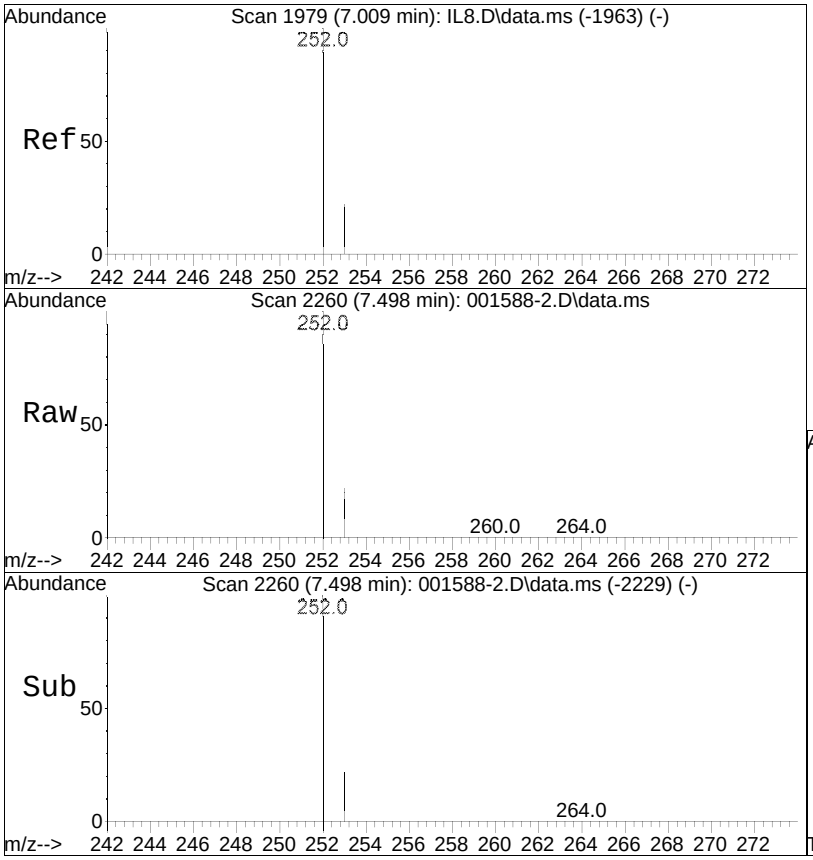


#38
Benzo[k]fluoranthene
Concen: 2188.23 ng/ml
RT: 7.203 min Scan# 2157
Delta R.T. 0.003 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:252 Resp: 442185

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4

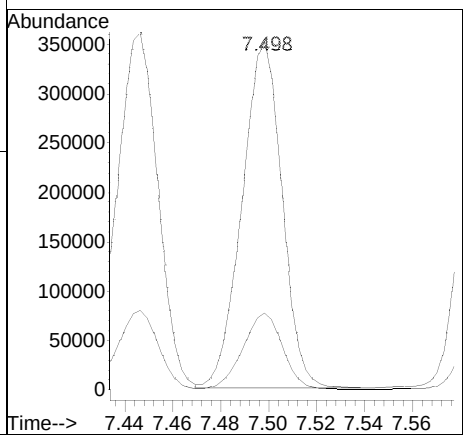


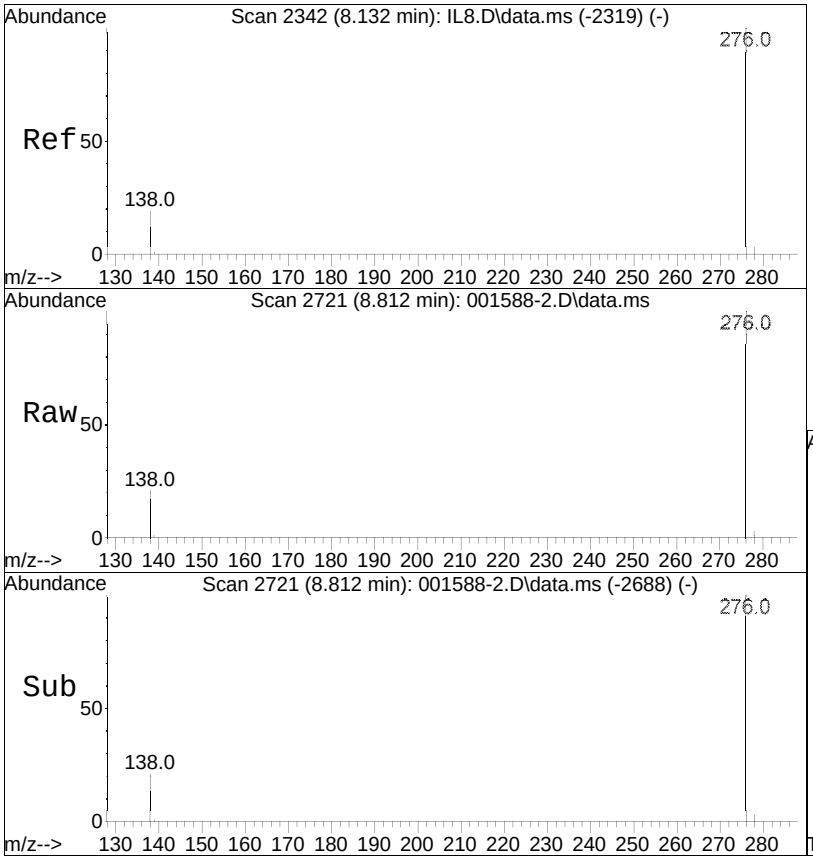


#39
Benzo[a]pyrene
Concen: 2199.62 ng/ml
RT: 7.498 min Scan# 2260
Delta R.T. 0.009 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:252 Resp: 404982

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2

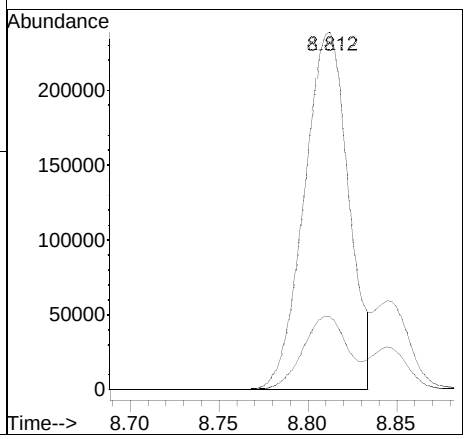


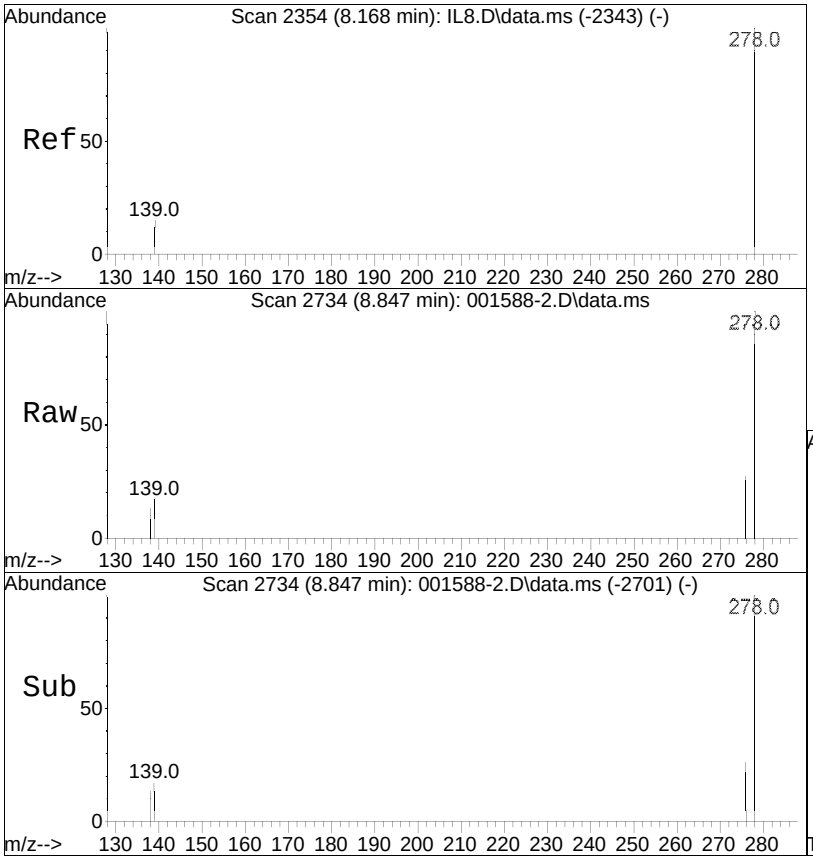


#40
Indeno[1,2,3-cd]pyrene
Concen: 2182.31 ng/ml
RT: 8.812 min Scan# 2721
Delta R.T. 0.008 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:276 Resp: 410851

Ion	Ratio	Lower	Upper
276	100		
138	21.1	15.4	23.0

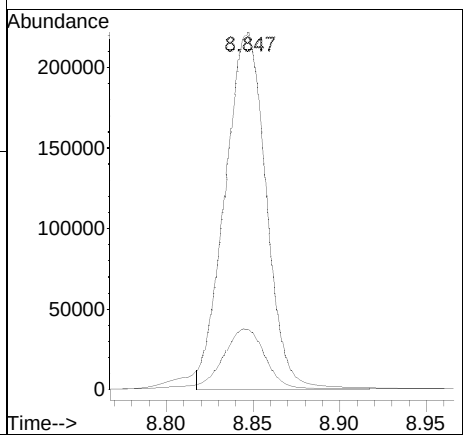


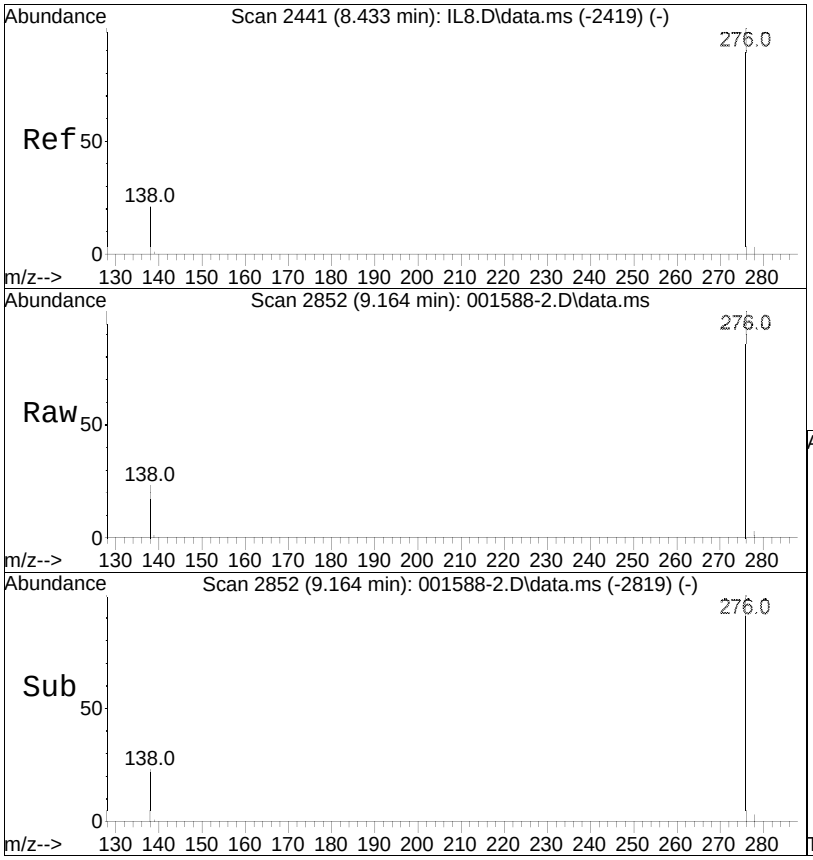


#41
Dibenzo[a,h]anthracene
Concen: 2052.39 ng/ml M6
RT: 8.847 min Scan# 2734
Delta R.T. 0.008 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:278 Resp: 362993

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.0	19.6

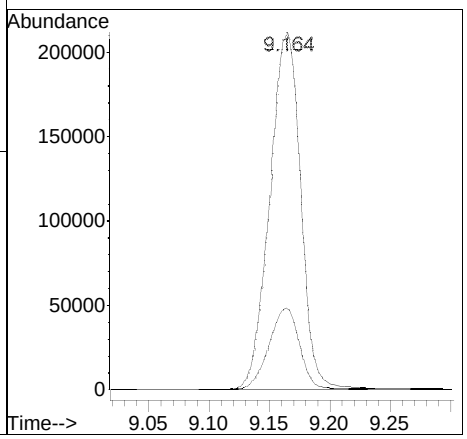




#42
Benzo[g,h,i]perylene
Concen: 2025.80 ng/ml
RT: 9.164 min Scan# 2852
Delta R.T. 0.008 min
Lab File: 001588-2.D
Acq: 24 Nov 2024 11:12 am

Tgt Ion:276 Resp: 370410

Ion	Ratio	Lower	Upper
276	100		
138	22.9	16.6	25.0

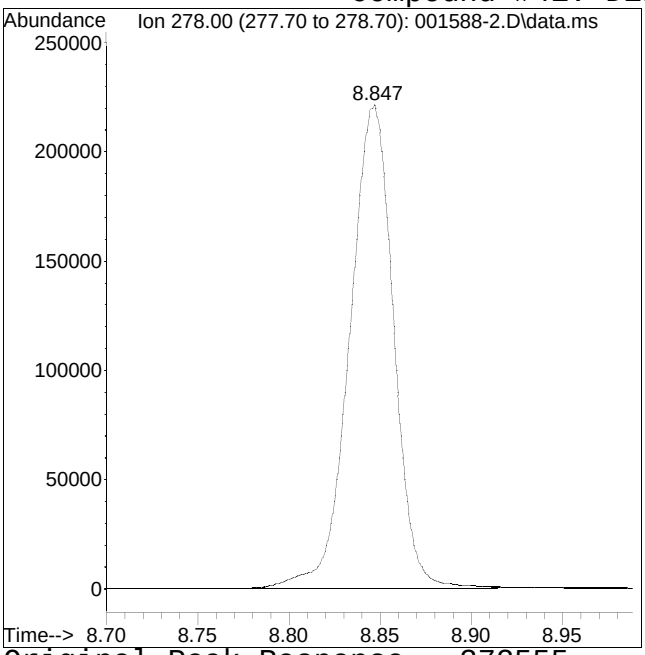


Manual Integration Report

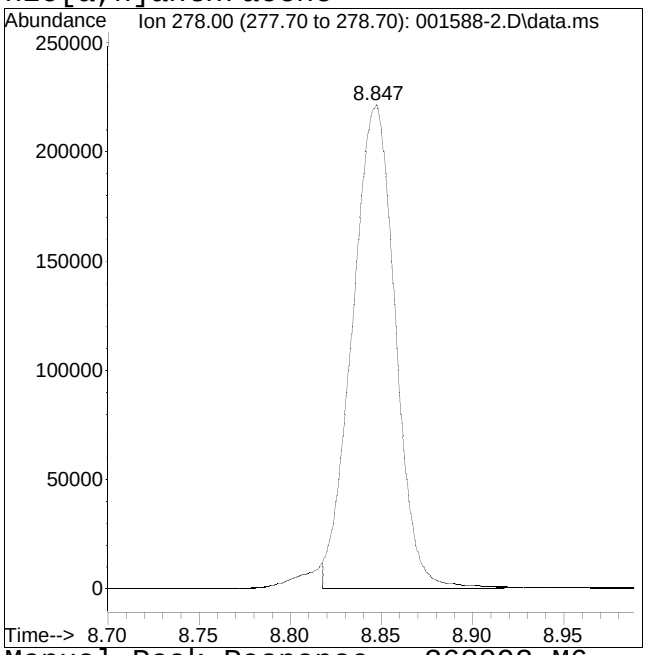
Data Path : I:\8270SIM\sv120\241124RVTQ
Data File : 001588-2.D
Date Inj'd : 11/24/2024 11:12 am
Sample : WG2001588-2,32,,jjw

Method : SIM-RVT_241105_sv120.M
Operator : SV120:kmh
Instrument : SV120
Quant Date : 11/24/2024 11:25 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 372555



Manual Peak Response = 362993 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 001354-3.D
Acq On : 23 Nov 2024 09:19 pm
Operator : SV120:dv
Sample : WG2001354-3,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 25 12:22:33 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.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	317141	4000.000	ng/ml	0.02
Standard Area 1 = 197300			Recovery	= 160.74%		
8) Naphthalene-d8	2.956	136	1268828	4000.000	ng/ml	# 0.00
Standard Area 1 = 788071			Recovery	= 161.00%		
17) Acenaphthene-d10	3.931	164	659148	4000.000	ng/ml	0.00
Standard Area 1 = 454891			Recovery	= 144.90%		
22) Phenanthrene-d10	4.772	188	1143773	4000.000	ng/ml	0.00
Standard Area 1 = 895540			Recovery	= 127.72%		
31) Chrysene-d12	6.334	240	769010	4000.000	ng/ml	-0.02
Standard Area 1 = 800941			Recovery	= 96.01%		
36) Perylene-d12	7.567	264	688969	4000.000	ng/ml	-0.02
Standard Area 1 = 758213			Recovery	= 90.87%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.759	112	106133M3	1136.940	ng/ml	0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 56.85%		
3) Phenol-d6	2.121	99	104528	911.303	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 45.57%		
7) Nitrobenzene-d5	2.578	82	80419	794.187	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 79.42%		
13) 2-Fluorobiphenyl	3.550	172	191304	748.042	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 74.80%		
21) 2,4,6-Tribromophenol	4.376	330	55377	2110.448	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 105.52%		
30) 4-Terphenyl-d14	5.684	244	188166	904.751	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 45.24%		
Target Compounds						Qvalue
6) Hexachloroethane	2.556	117	56791	1367.832	ng/ml	99
9) Naphthalene	2.967	128	452736	1427.379	ng/ml	99
10) Hexachlorobutadiene	3.037	225	82993	1380.917	ng/ml	100
11) 2-Methylnaphthalene	3.344	142	323060	1467.099	ng/ml	100
14) 2-Chloronaphthalene	3.616	162	317247	1451.312	ng/ml	93
16) Acenaphthylene	3.848	152	475447	1508.576	ng/ml	100
18) Acenaphthene	3.948	153	328739	1652.292	ng/ml	92
20) Fluorene	4.238	166	378454	1757.937	ng/ml	99
24) Hexachlorobenzene	4.555	284	121290	2007.572	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 001354-3.D
Acq On : 23 Nov 2024 09:19 pm
Operator : SV120:dv
Sample : WG2001354-3,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 25 12:22:33 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241123RVT\ccv1123.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Pentachlorophenol	4.669	266	75242	2160.701	ng/ml	99
26) Phenanthrene	4.783	178	540386	1982.598	ng/ml	100
27) Anthracene	4.811	178	544708	1931.585	ng/ml	100
28) Fluoranthene	5.462	202	589244	1876.972	ng/ml	99
29) Pyrene	5.594	202	591364	1826.799	ng/ml	100
32) Benzo[a]anthracene	6.326	228	494008	2101.929	ng/ml	99
34) Chrysene	6.351	228	447414	2197.668	ng/ml	100
37) Benzo[b]fluoranthene	7.180	252	432438	2068.532	ng/ml	100
38) Benzo[k]fluoranthene	7.206	252	409675	2179.853	ng/ml	100
39) Benzo[a]pyrene	7.498	252	369166	2155.915	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.812	276	367917	2101.265	ng/ml	98
41) Dibenzo[a,h]anthracene	8.847	278	332971M6	2024.261	ng/ml	
42) Benzo[g,h,i]perylene	9.165	276	330642	1944.328	ng/ml	97

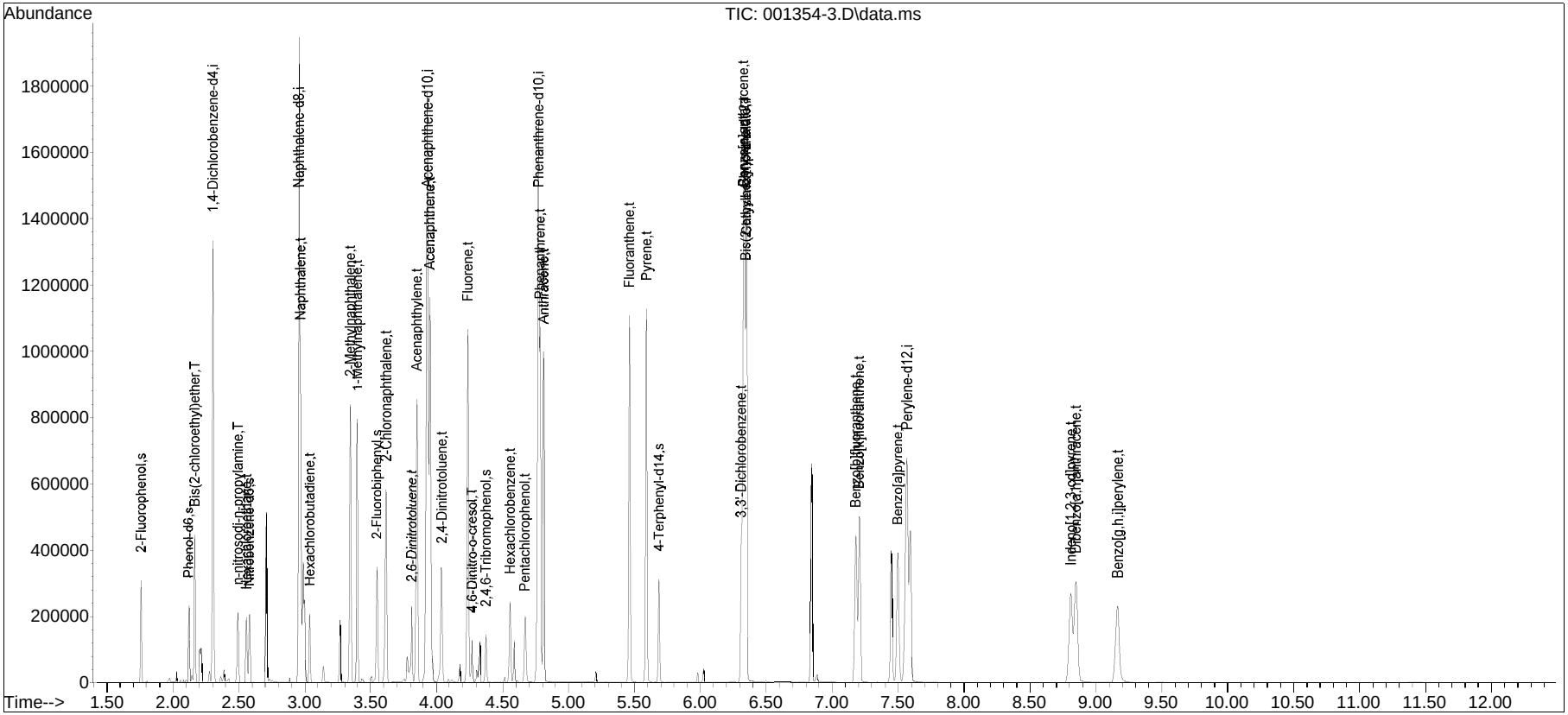
(#) = qualifier out of range (m) = manual integration (+) = signals summed

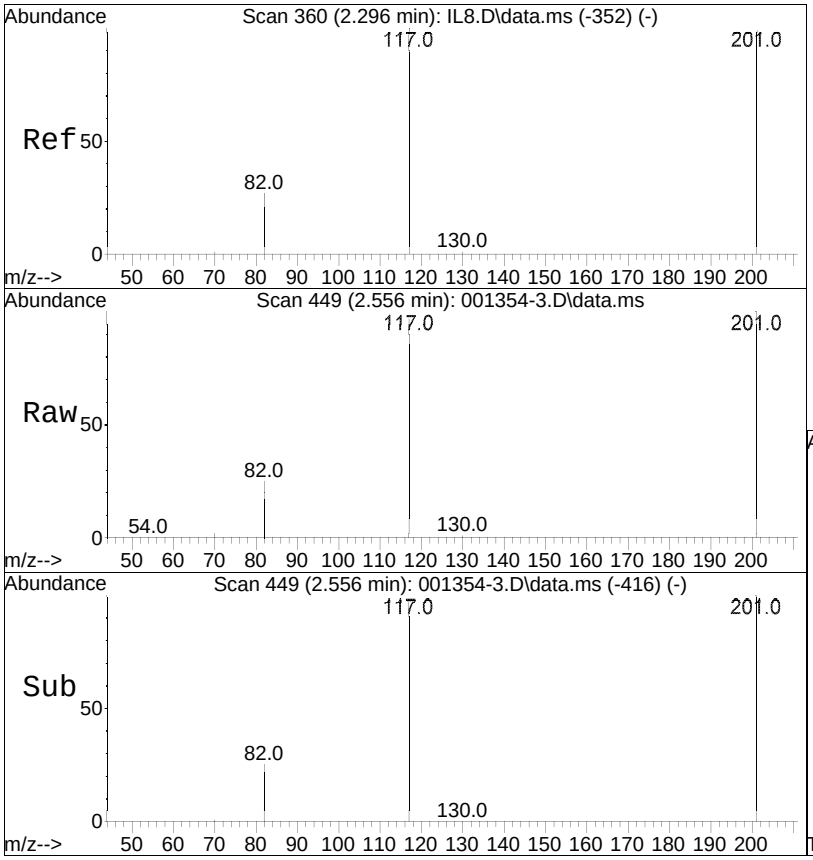
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241123RVT\
Data File : 001354-3.D
Acq On : 23 Nov 2024 09:19 pm
Operator : SV120:dv
Sample : WG2001354-3,32,,rp
Misc : WG2001483,WG2001354,ical21668
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 25 12:22:33 2024
Quant Method : I:\8270sim\sv120\241123RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 14:00:01 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1123.D•

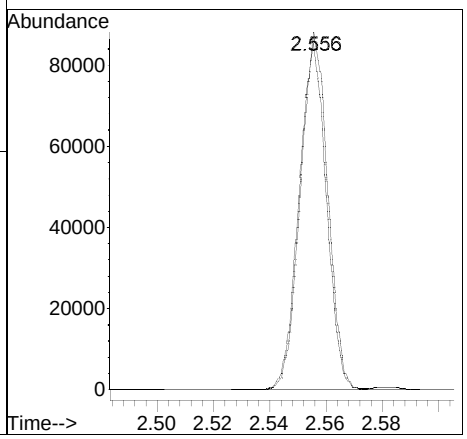


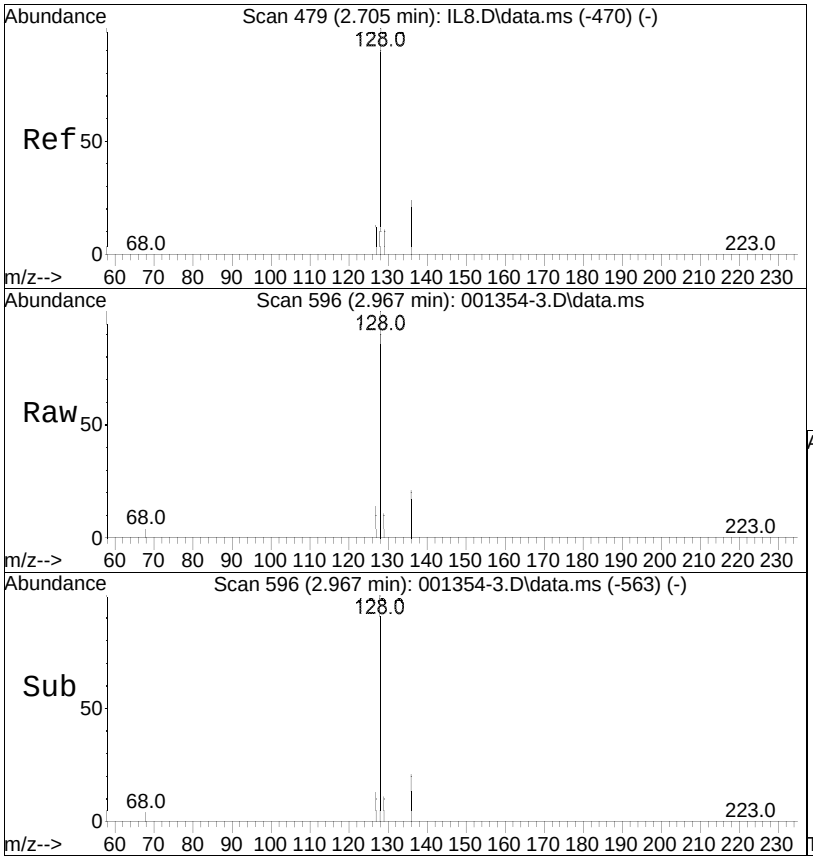


#6
Hexachloroethane
Concen: 1367.83 ng/ml
RT: 2.556 min Scan# 449
Delta R.T. 0.011 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:117 Resp: 56791

Ion	Ratio	Lower	Upper
117	100		
201	103.1	82.0	123.0

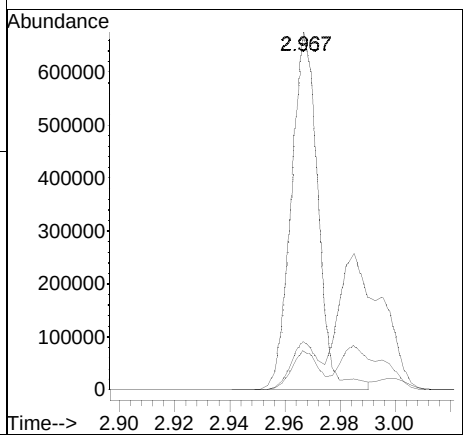


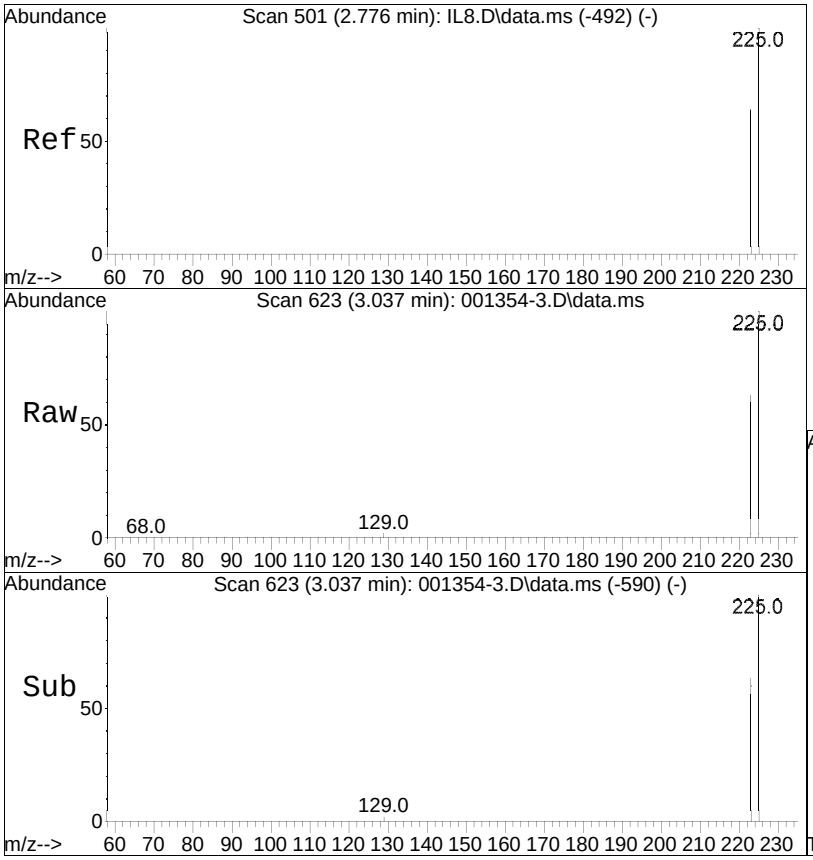


#9
Naphthalene
Concen: 1427.38 ng/ml
RT: 2.967 min Scan# 596
Delta R.T. 0.005 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:128 Resp: 452736

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	14.2	10.7	16.1

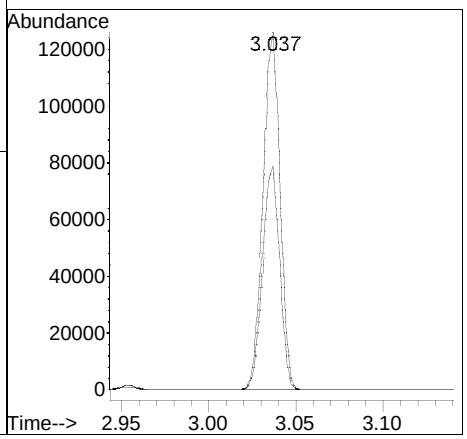


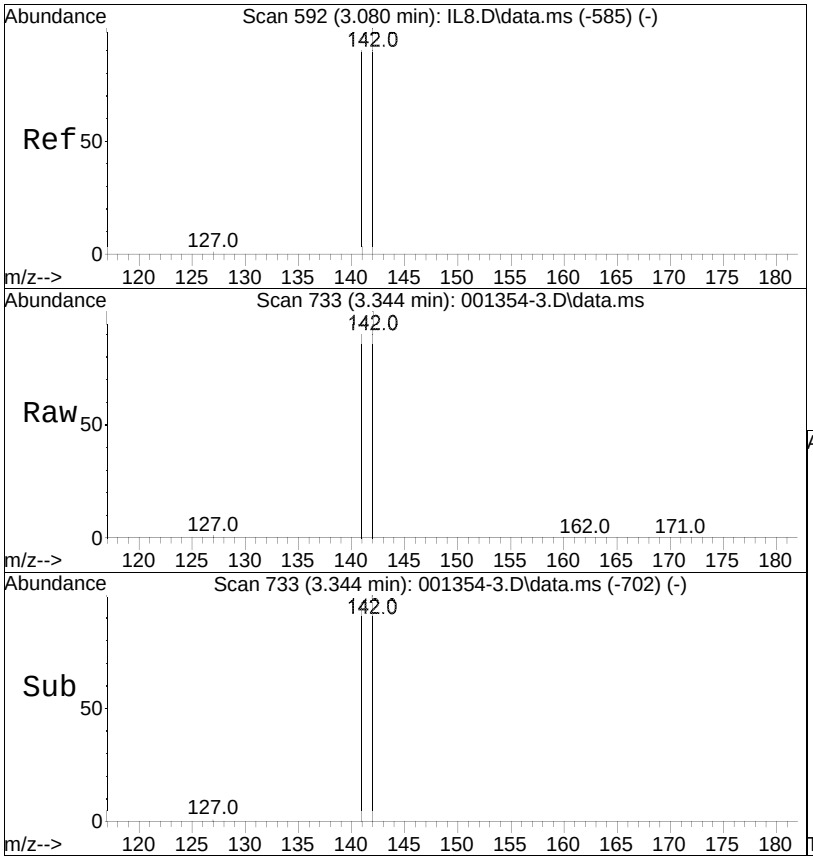


#10
Hexachlorobutadiene
Concen: 1380.92 ng/ml
RT: 3.037 min Scan# 623
Delta R.T. 0.005 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:225 Resp: 82993

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7

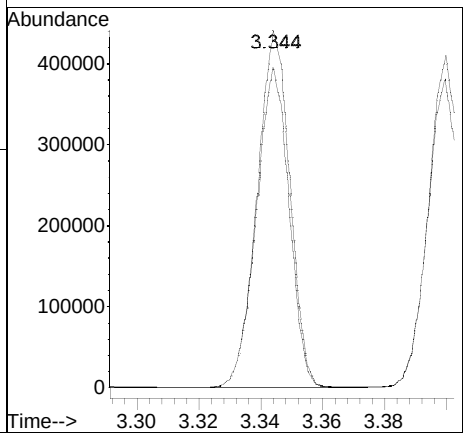


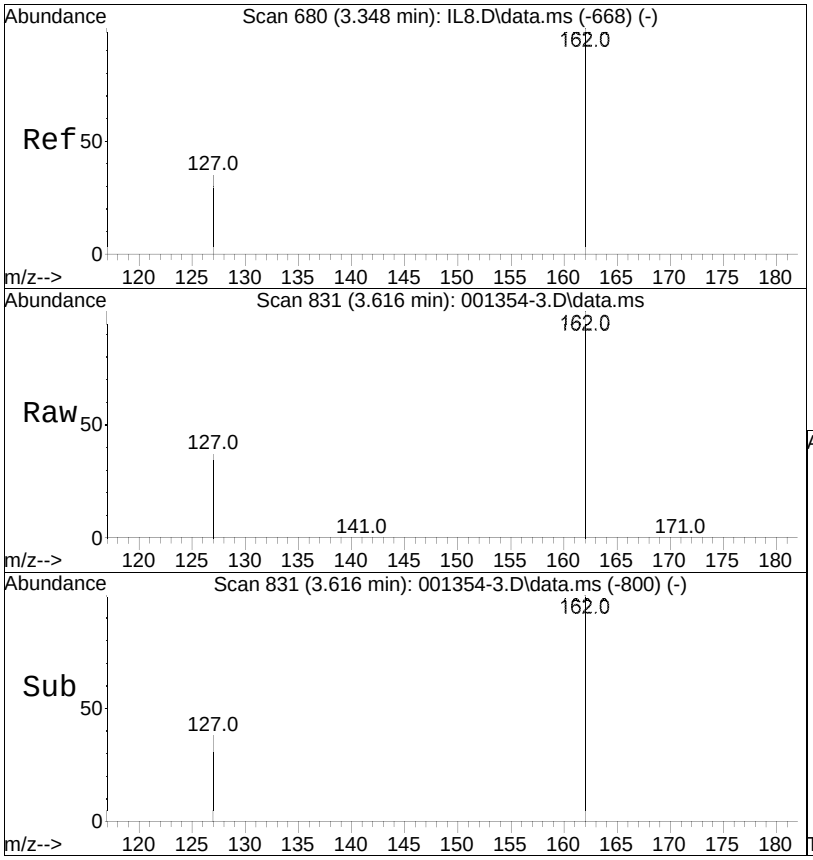


#11
2-Methylnaphthalene
Concen: 1467.10 ng/ml
RT: 3.344 min Scan# 733
Delta R.T. 0.005 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:142 Resp: 323060

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.2	108.2

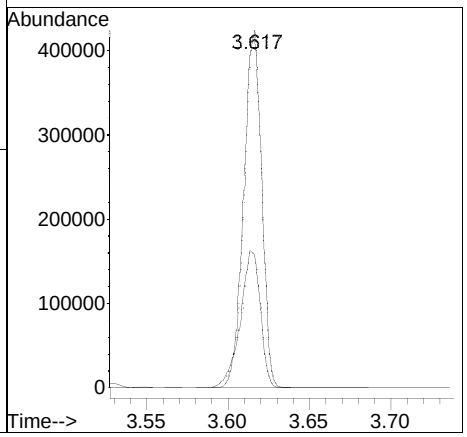


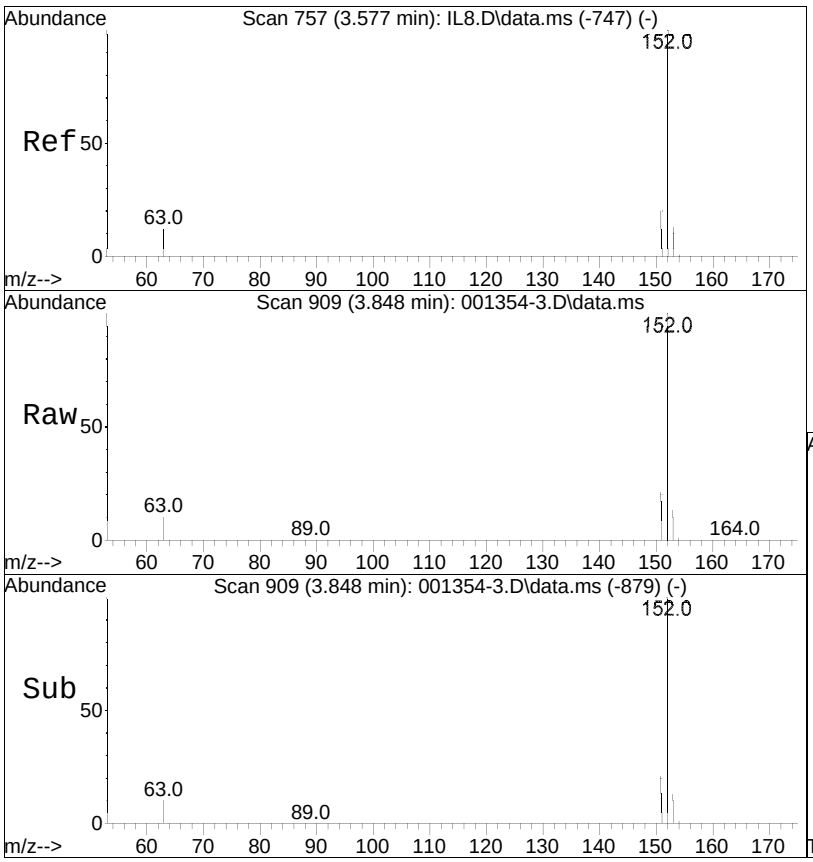


#14
2-Chloronaphthalene
Concen: 1451.31 ng/ml
RT: 3.616 min Scan# 831
Delta R.T. 0.005 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:162 Resp: 317247

Ion	Ratio	Lower	Upper
162	100		
127	43.1	31.0	46.4

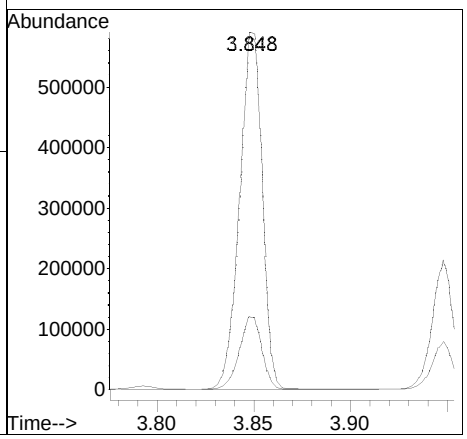


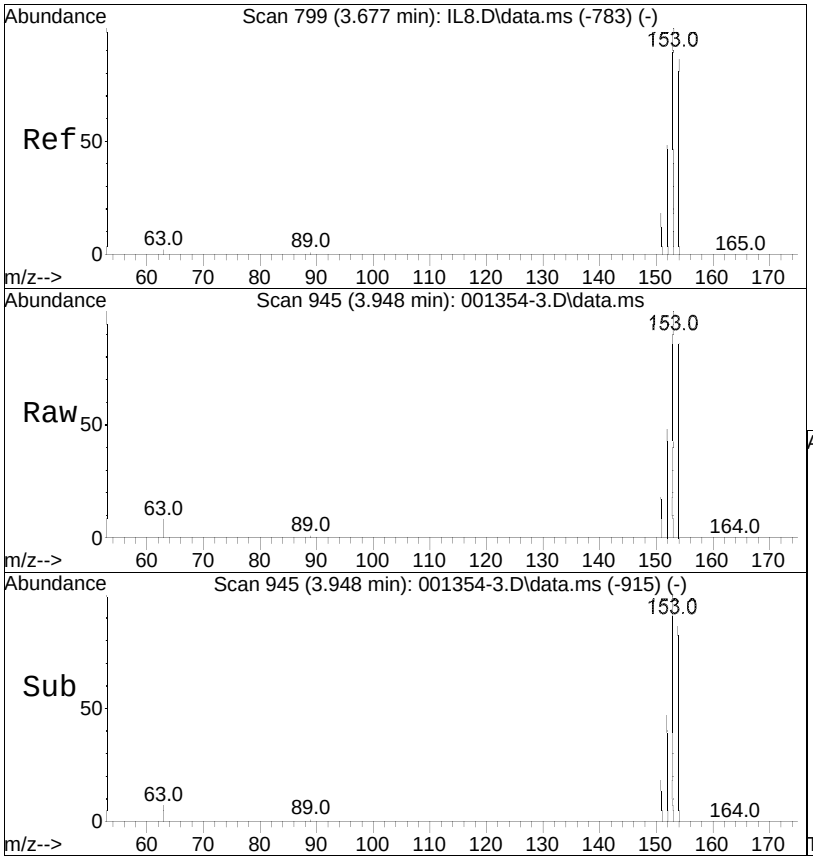


#16
Acenaphthylene
Concen: 1508.58 ng/ml
RT: 3.848 min Scan# 909
Delta R.T. 0.002 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:152 Resp: 475447

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6

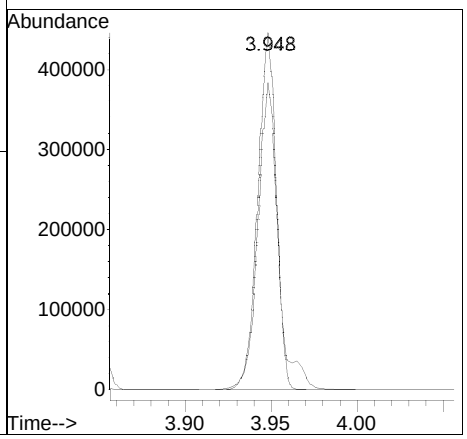


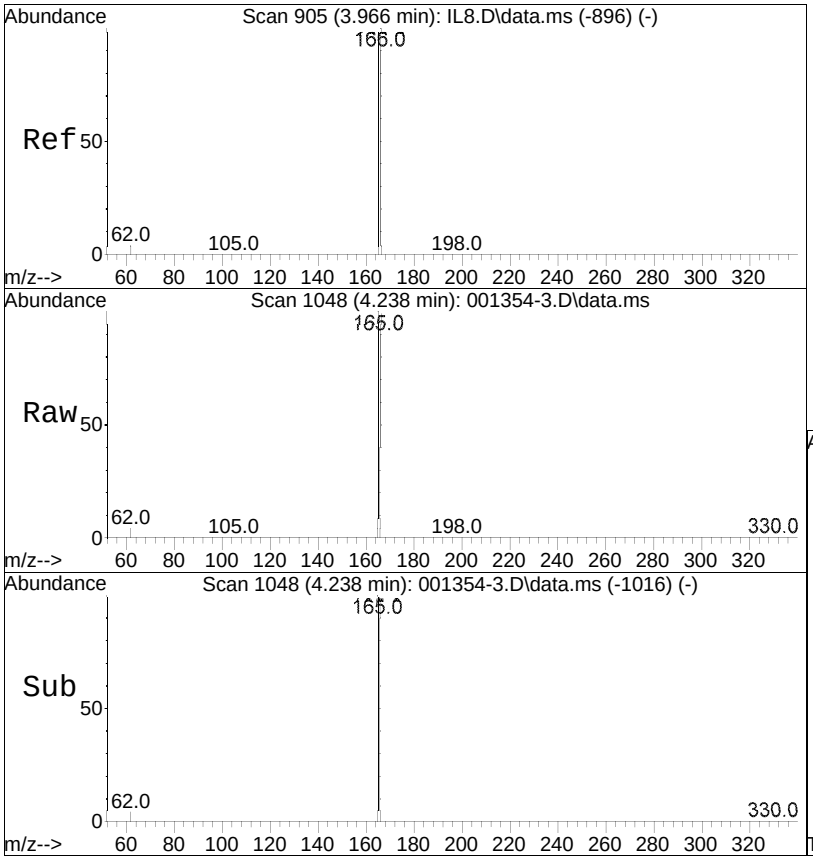


#18
Acenaphthene
Concen: 1652.29 ng/ml
RT: 3.948 min Scan# 945
Delta R.T. 0.002 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:153 Resp: 328739

Ion	Ratio	Lower	Upper
153	100		
154	94.7	69.8	104.6

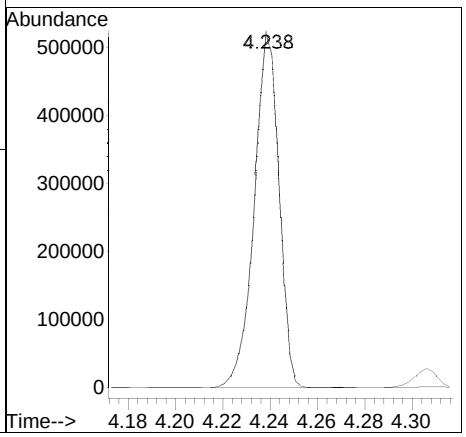


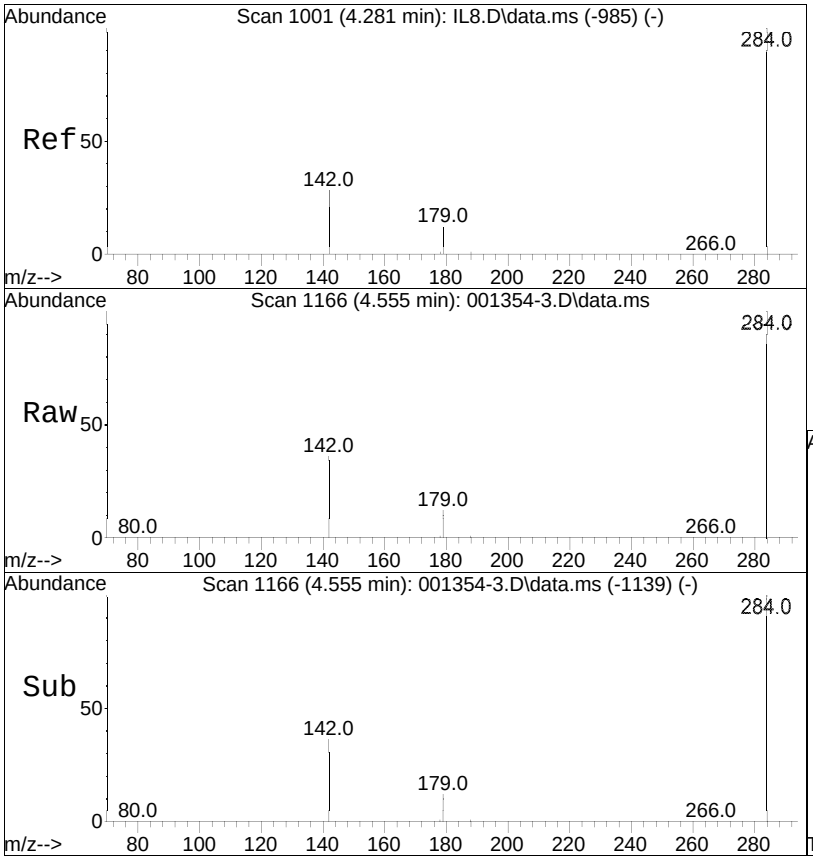


#20
Fluorene
Concen: 1757.94 ng/ml
RT: 4.238 min Scan# 1048
Delta R.T. 0.001 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:166 Resp: 378454

Ion	Ratio	Lower	Upper
166	100		
165	100.7	80.1	120.1

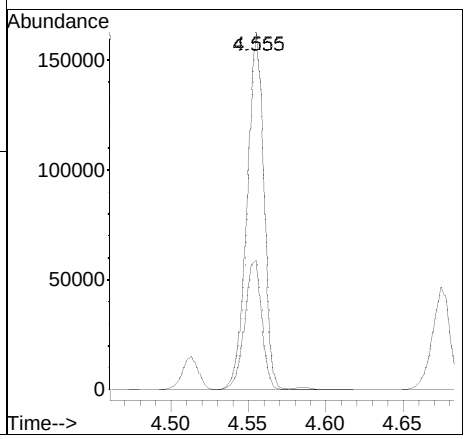


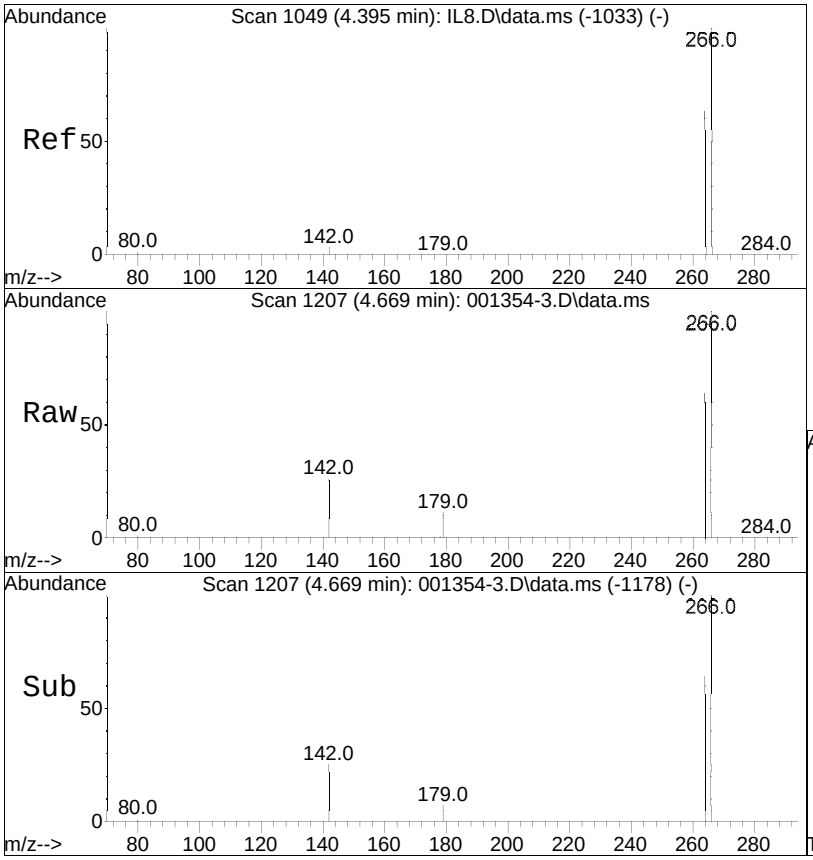


#24
Hexachlorobenzene
Concen: 2007.57 ng/ml
RT: 4.555 min Scan# 1166
Delta R.T. 0.001 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:284 Resp: 121290

Ion	Ratio	Lower	Upper
284	100		
142	37.1	30.2	45.2

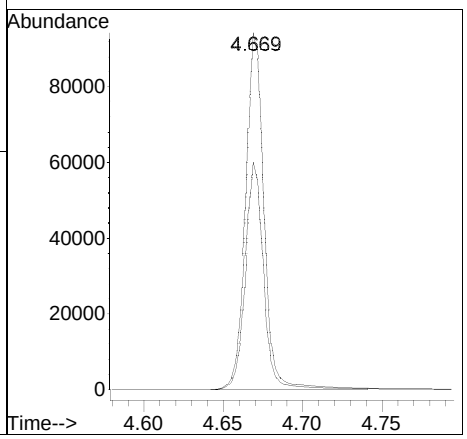


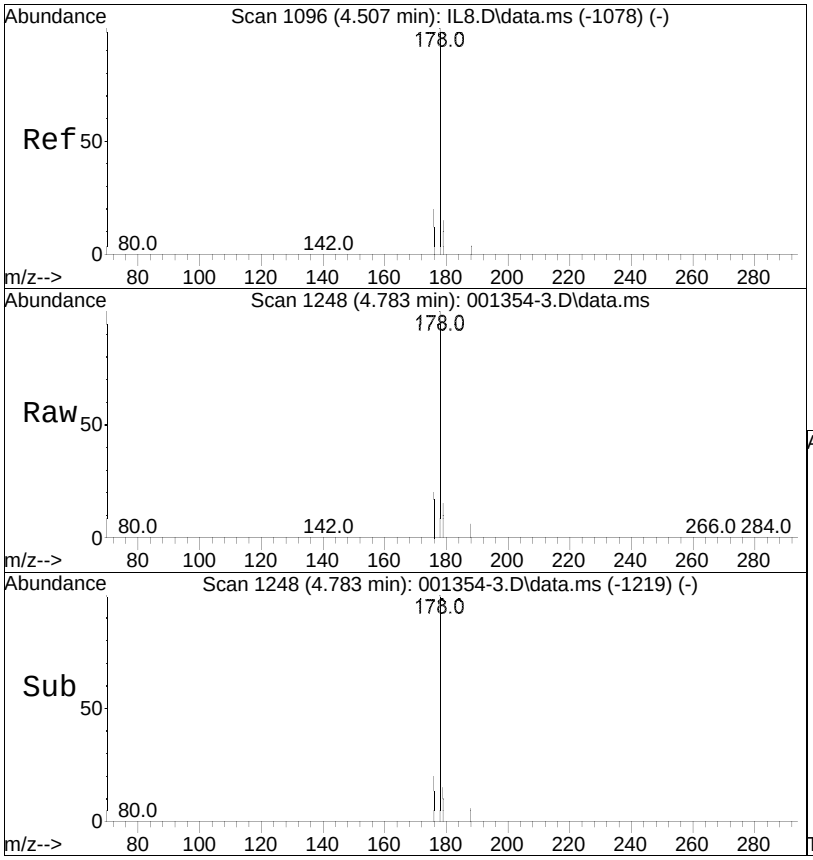


#25
Pentachlorophenol
Concen: 2160.70 ng/ml
RT: 4.669 min Scan# 1207
Delta R.T. 0.001 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:266 Resp: 75242

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.3	75.5

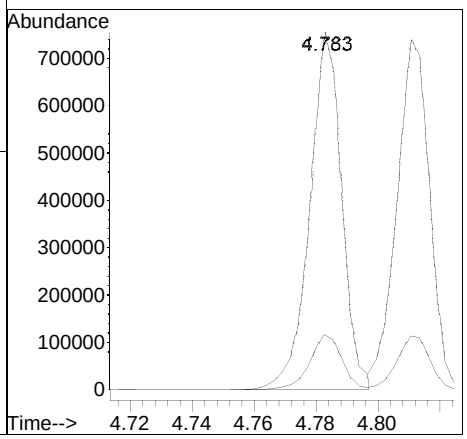


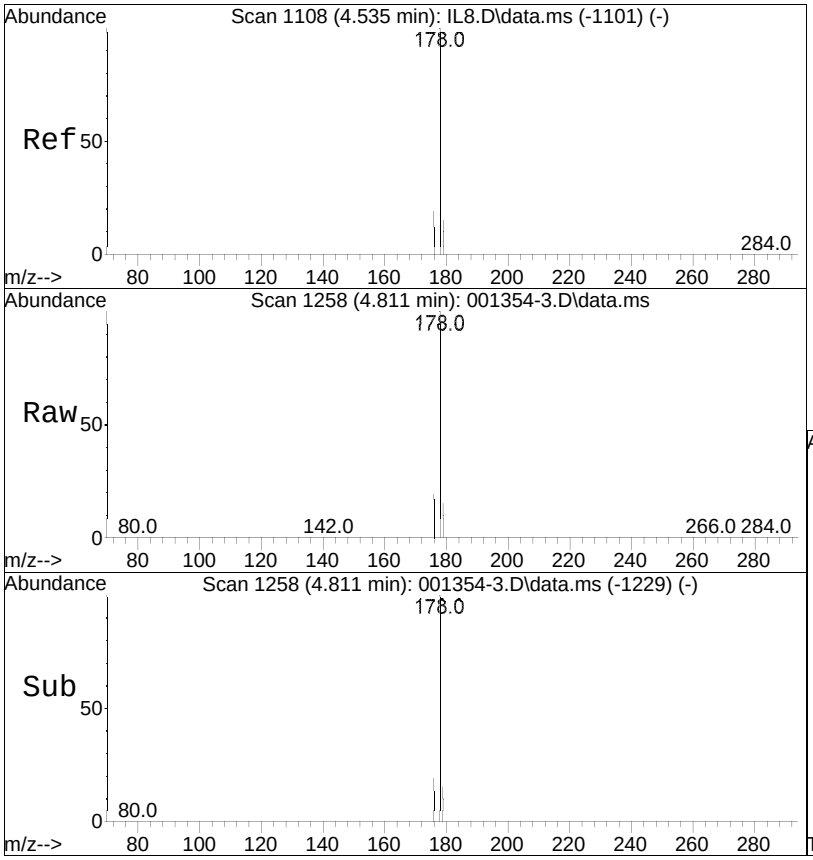


#26
Phenanthrene
Concen: 1982.60 ng/ml
RT: 4.783 min Scan# 1248
Delta R.T. 0.001 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:178 Resp: 540386

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

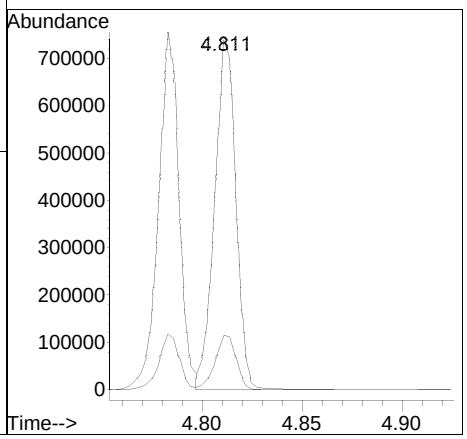


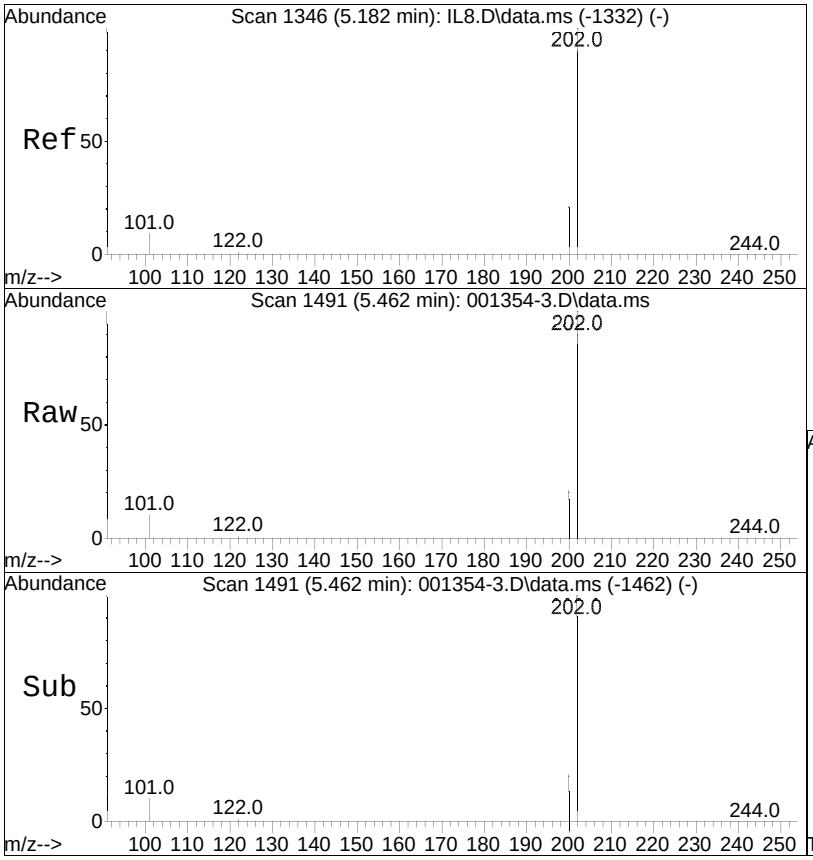


#27
Anthracene
Concen: 1931.58 ng/ml
RT: 4.811 min Scan# 1258
Delta R.T. 0.001 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:178 Resp: 544708

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

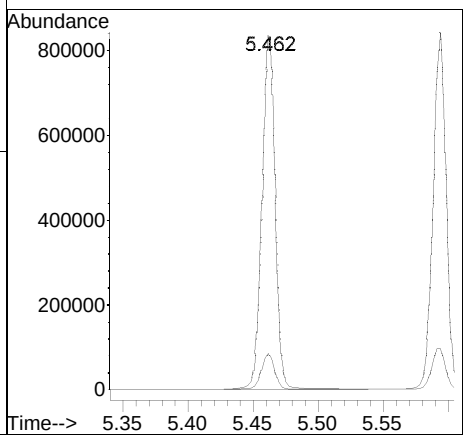


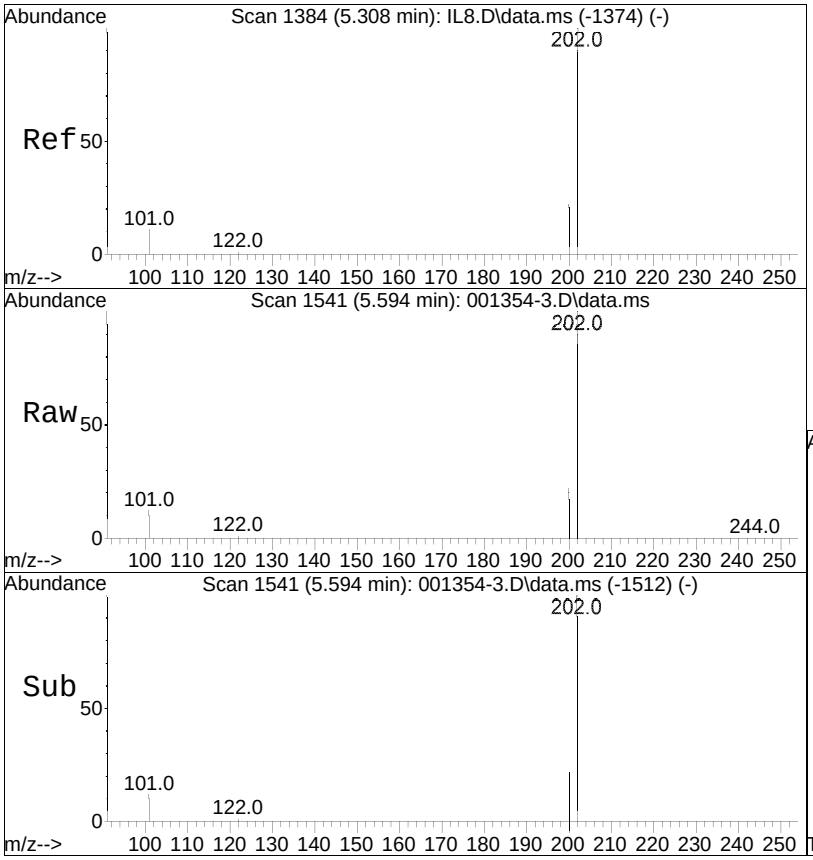


#28
Fluoranthene
Concen: 1876.97 ng/ml
RT: 5.462 min Scan# 1491
Delta R.T. -0.004 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:202 Resp: 589244

Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.8	11.6

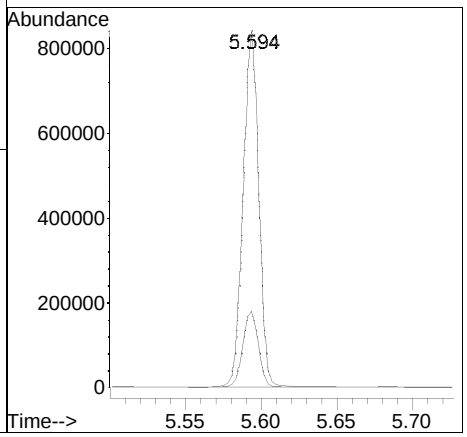


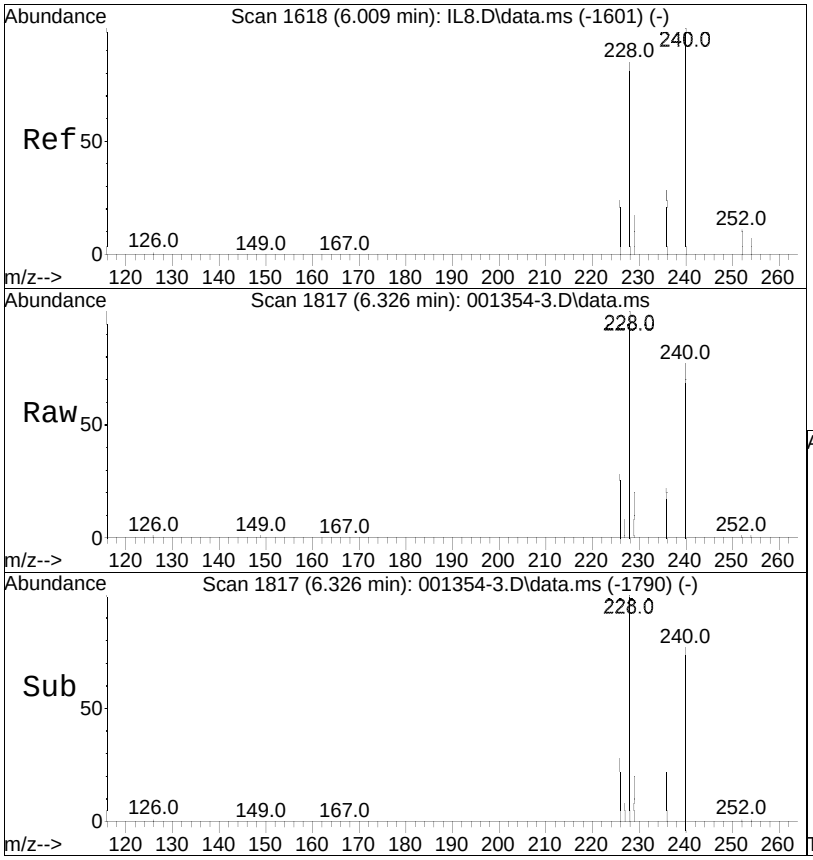


#29
Pyrene
Concen: 1826.80 ng/ml
RT: 5.594 min Scan# 1541
Delta R.T. -0.004 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:202 Resp: 591364

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3

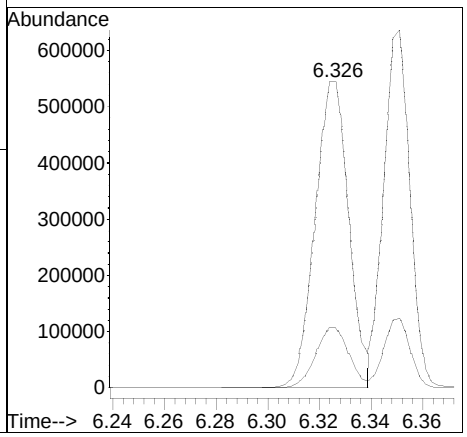


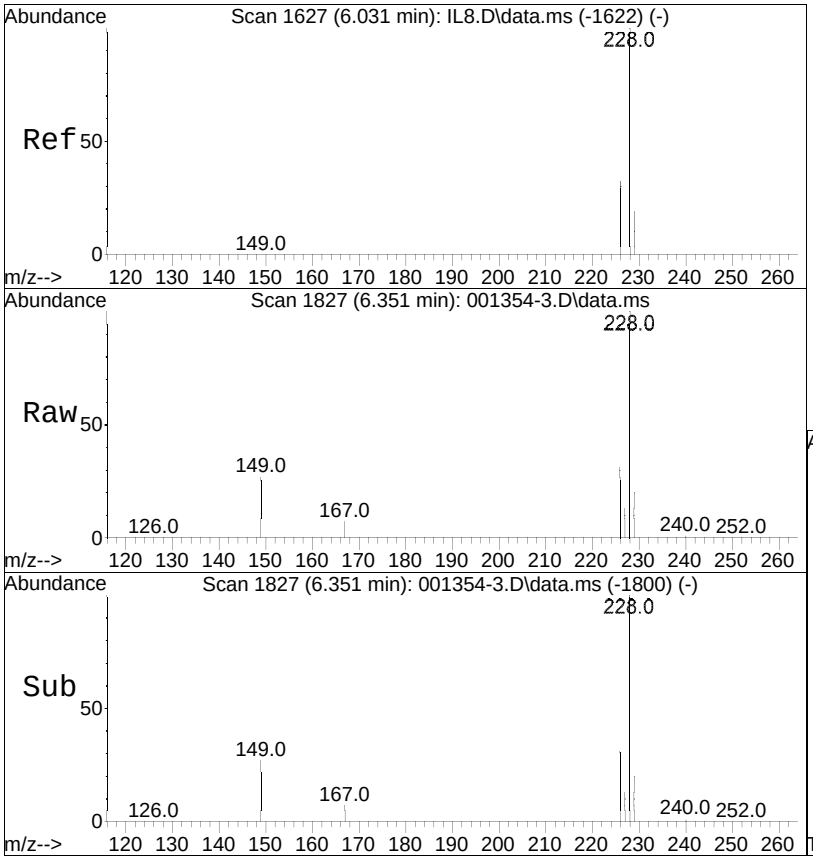


#32
Benzo[a]anthracene
Concen: 2101.93 ng/ml
RT: 6.326 min Scan# 1817
Delta R.T. -0.014 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:228 Resp: 494008

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

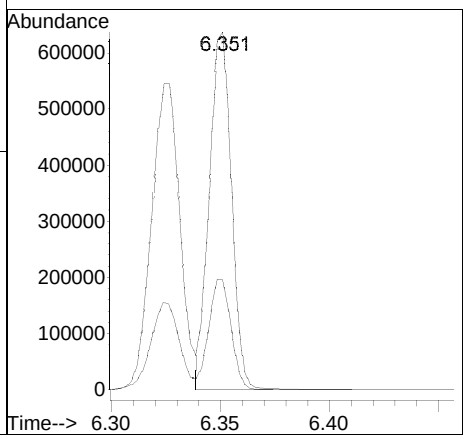


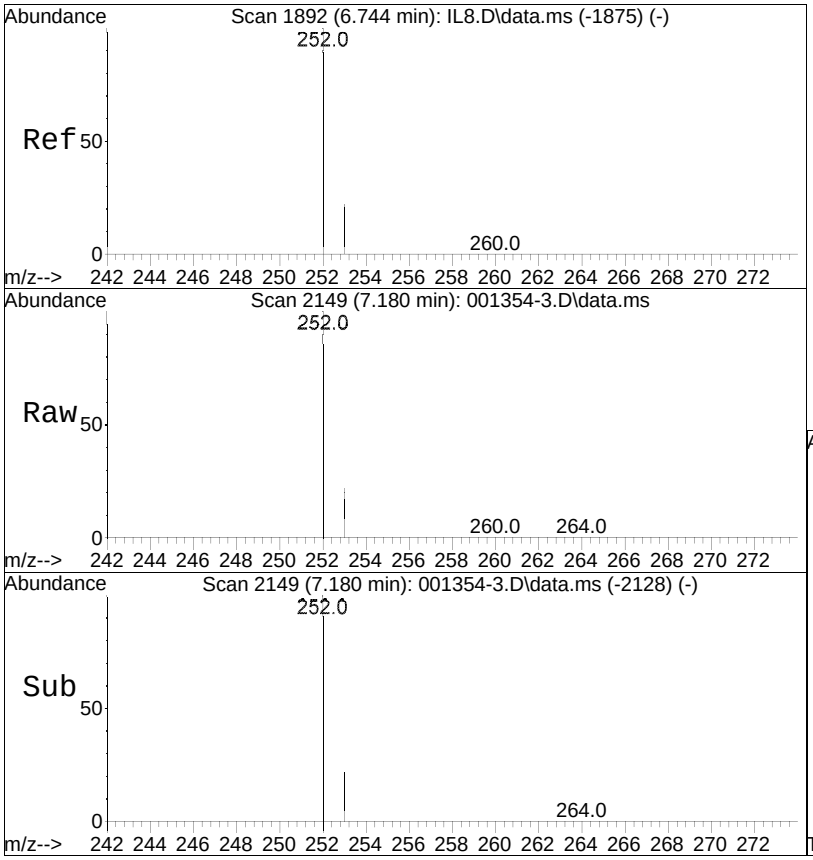


#34
Chrysene
Concen: 2197.67 ng/ml
RT: 6.351 min Scan# 1827
Delta R.T. -0.014 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:228 Resp: 447414

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3

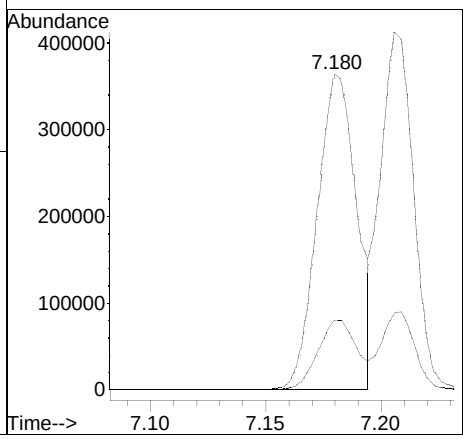


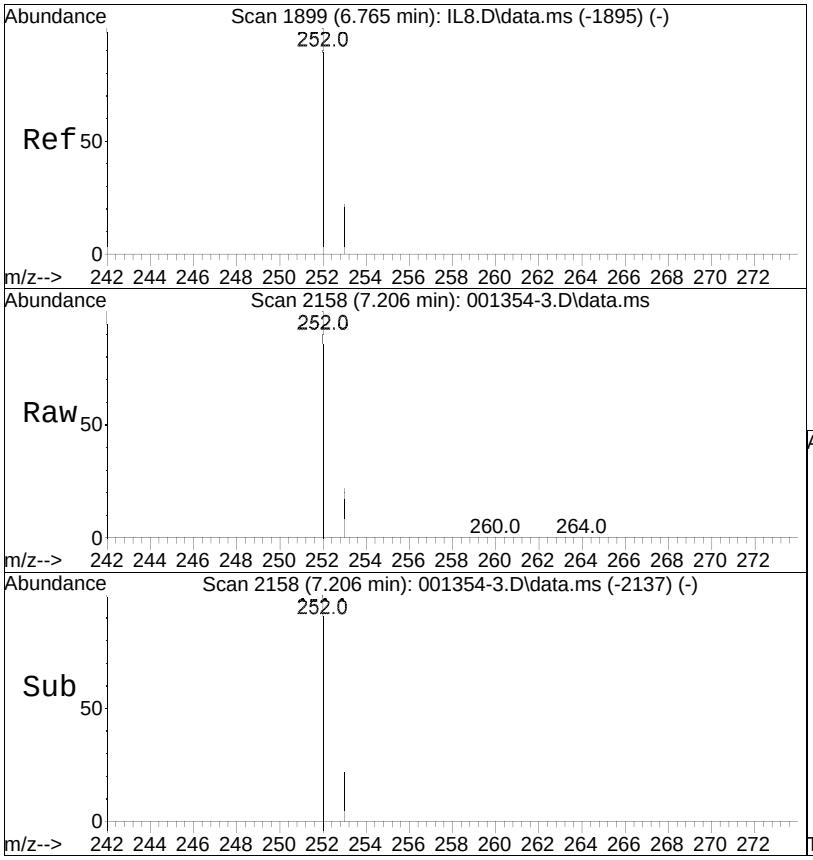


#37
Benzo[b]fluoranthene
Concen: 2068.53 ng/ml
RT: 7.180 min Scan# 2149
Delta R.T. -0.019 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:252 Resp: 432438

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

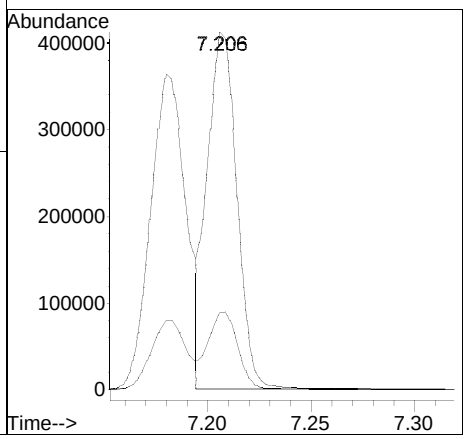


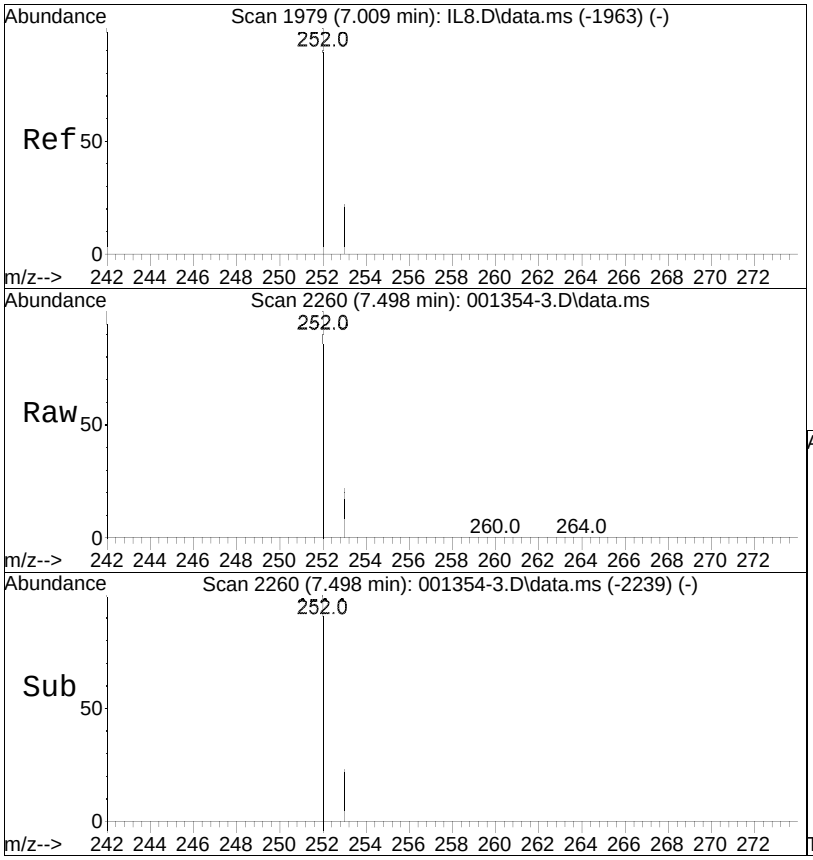


#38
Benzo[k]fluoranthene
Concen: 2179.85 ng/ml
RT: 7.206 min Scan# 2158
Delta R.T. -0.019 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:252 Resp: 409675

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4

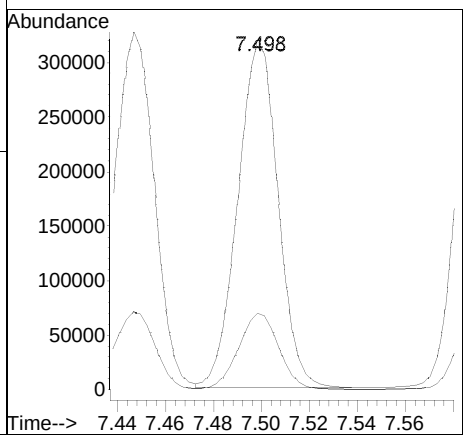


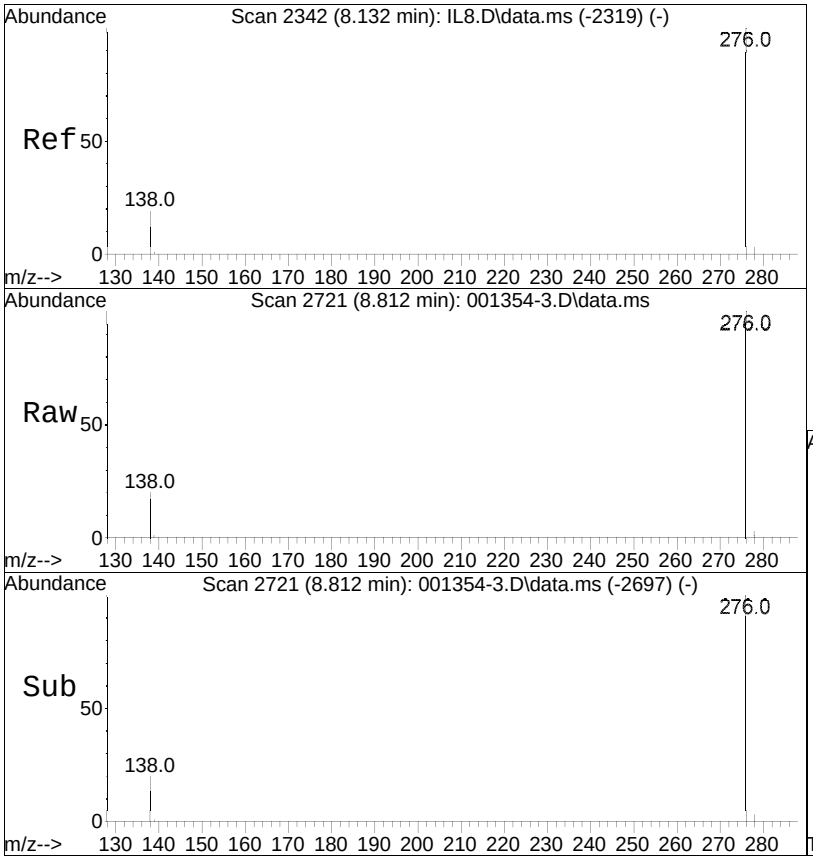


#39
Benzo[a]pyrene
Concen: 2155.91 ng/ml
RT: 7.498 min Scan# 2260
Delta R.T. -0.019 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:252 Resp: 369166

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2

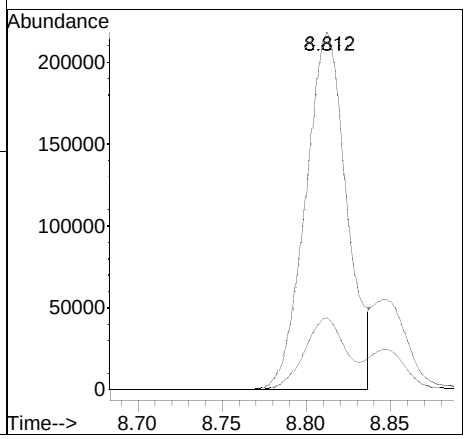


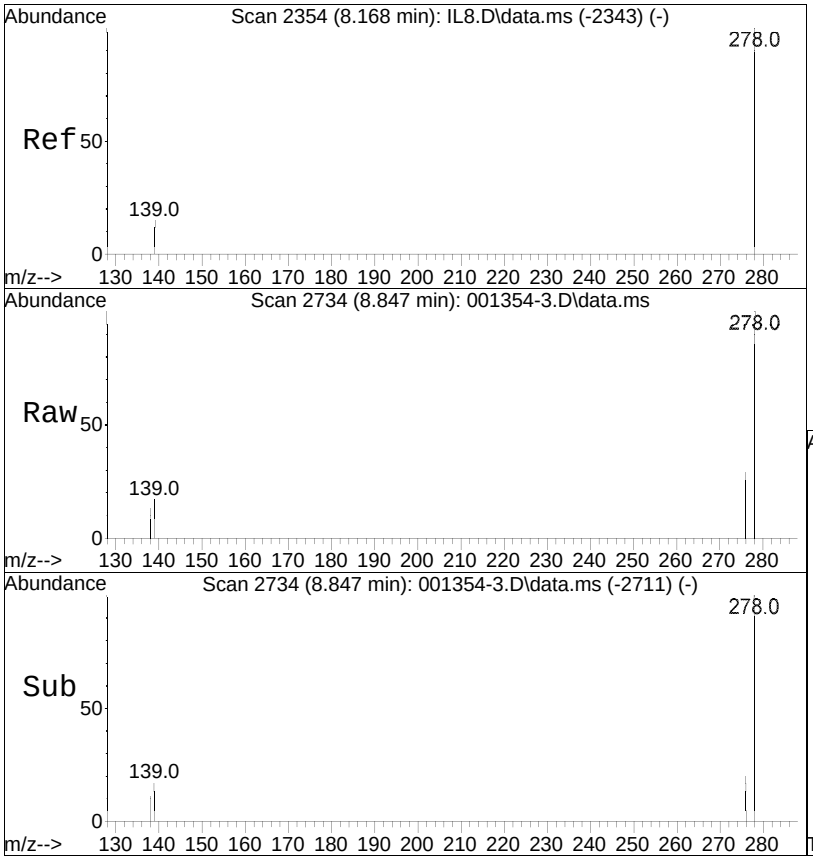


#40
Indeno[1,2,3-cd]pyrene
Concen: 2101.27 ng/ml
RT: 8.812 min Scan# 2721
Delta R.T. -0.016 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:276 Resp: 367917

Ion	Ratio	Lower	Upper
276	100		
138	20.0	15.4	23.0

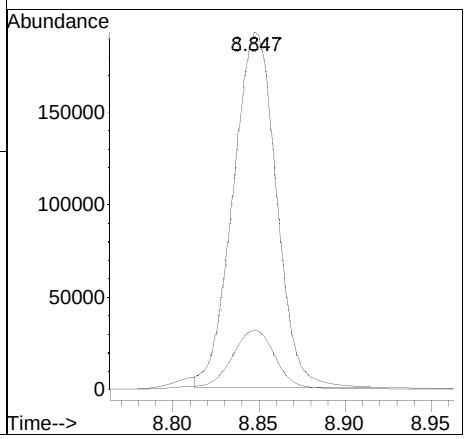


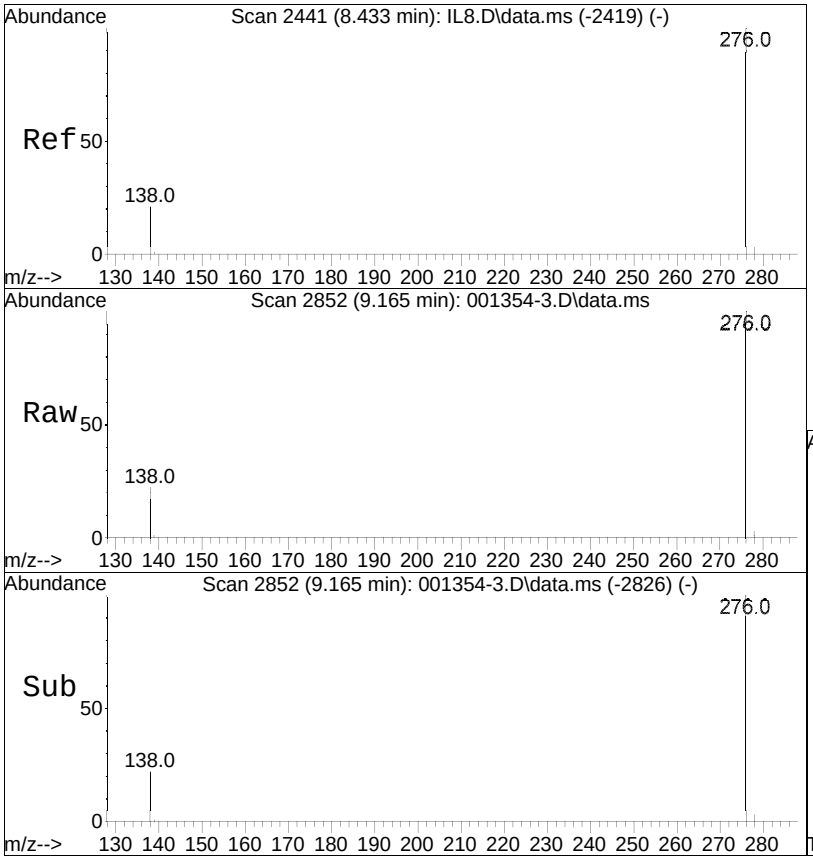


#41
Dibenzo[a,h]anthracene
Concen: 2024.26 ng/ml M6
RT: 8.847 min Scan# 2734
Delta R.T. -0.018 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:278 Resp: 332971

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.0	19.6

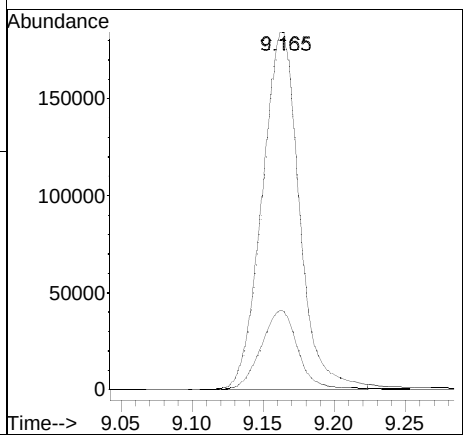




#42
Benzo[g,h,i]perylene
Concen: 1944.33 ng/ml
RT: 9.165 min Scan# 2852
Delta R.T. -0.010 min
Lab File: 001354-3.D
Acq: 23 Nov 2024 09:19 pm

Tgt Ion:276 Resp: 330642

Ion	Ratio	Lower	Upper
276	100		
138	22.2	16.6	25.0

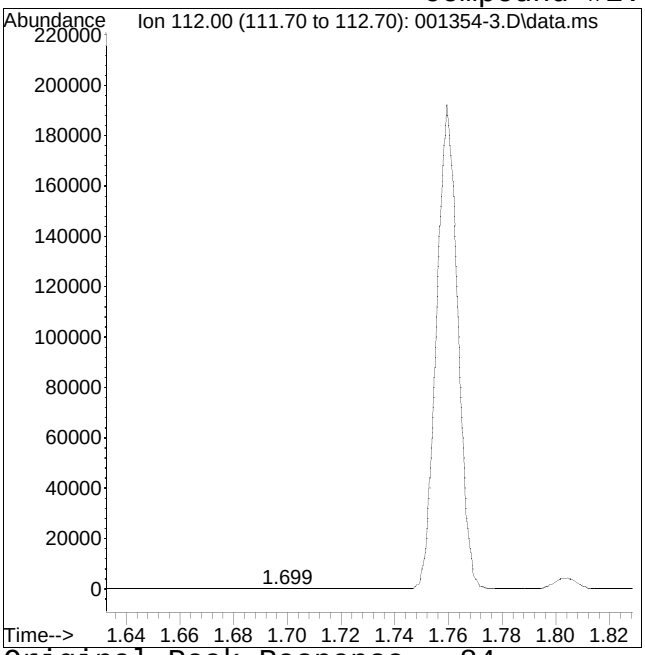


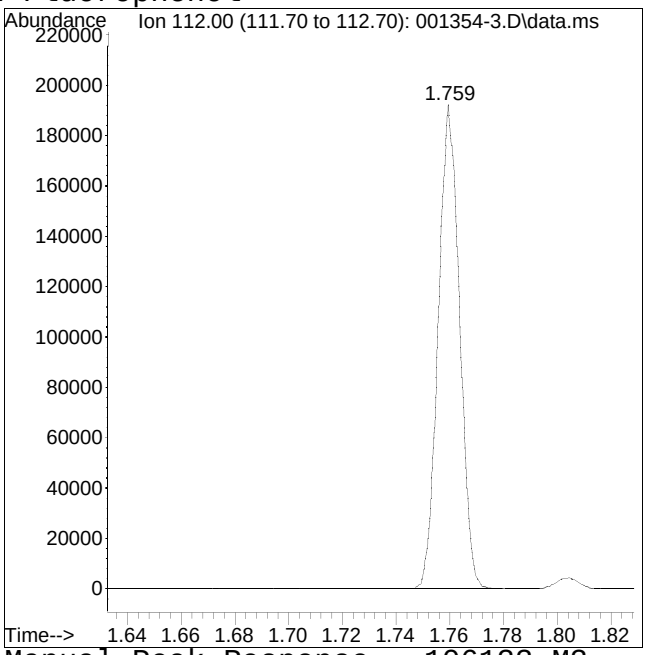
Manual Integration Report

Data Path : I:\8270SIM\sv120\241123RVTQ
Data File : 001354-3.D
Date Inj'd : 11/23/2024 9:19 pm
Sample : WG2001354-3,32,,rp

Method : SIM-RVT_241105_sv120.M
Operator : SV120:dv
Instrument : SV120
Quant Date : 11/23/2024 9:32 pm

Compound #2: 2-Fluorophenol





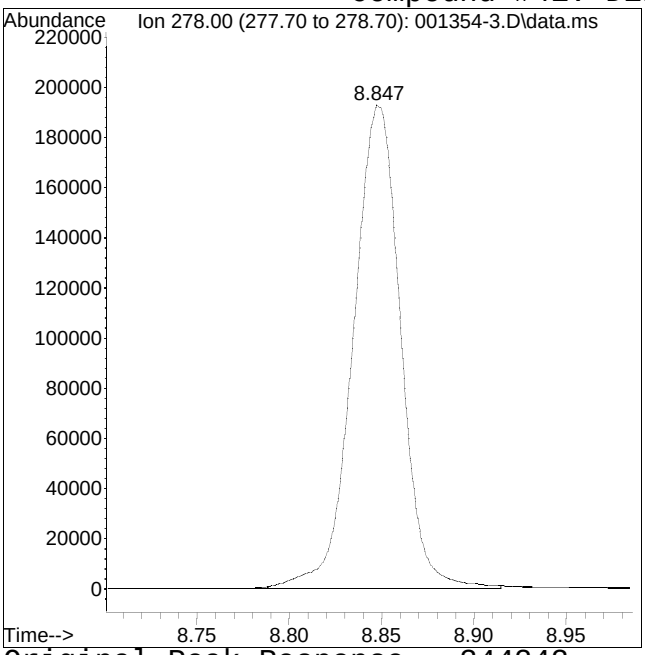
Original Peak Response = 84 Manual Peak Response = 106133 M3

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.

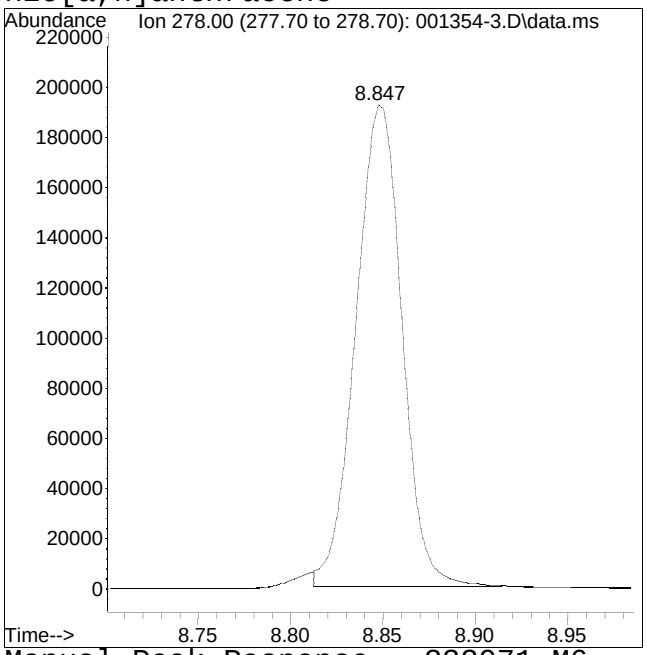
Manual Integration Report

Data Path : I:\8270SIM\sv120\241123RVTQMethod : SIM-RVT_241105_sv120.M
Data File : 001354-3.D Operator : SV120:dv
Date Inj'd : 11/23/2024 9:19 pm Instrument : SV120
Sample : WG2001354-3,32,,rp Quant Date : 11/23/2024 9:32 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 344242



Manual Peak Response = 332971 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-3.D
Acq On : 24 Nov 2024 11:29 am
Operator : SV120:kmh
Sample : WG2001588-3,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 11:26:39 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.297	152	261386	4000.000	ng/ml	0.00
Standard Area 1 = 217001			Recovery = 120.45%			
8) Naphthalene-d8	2.954	136	1083249	4000.000	ng/ml	# 0.00
Standard Area 1 = 867141			Recovery = 124.92%			
17) Acenaphthene-d10	3.931	164	597962	4000.000	ng/ml	0.00
Standard Area 1 = 513045			Recovery = 116.55%			
22) Phenanthrene-d10	4.772	188	1134586	4000.000	ng/ml	0.00
Standard Area 1 = 1011820			Recovery = 112.13%			
31) Chrysene-d12	6.331	240	828444	4000.000	ng/ml	0.00
Standard Area 1 = 870473			Recovery = 95.17%			
36) Perylene-d12	7.564	264	744158	4000.000	ng/ml	0.00
Standard Area 1 = 832237			Recovery = 89.42%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.739	112	58555	761.064	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 38.05%			
3) Phenol-d6	2.116	99	54074	571.991	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 28.60%			
7) Nitrobenzene-d5	2.575	82	62544	749.411	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.94%			
13) 2-Fluorobiphenyl	3.547	172	160113	733.336	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.33%			
21) 2,4,6-Tribromophenol	4.376	330	47831	2009.389	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 100.47%			
30) 4-Terphenyl-d14	5.684	244	184404	893.842	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 44.69%			
Target Compounds						Qvalue
6) Hexachloroethane	2.553	117	38536	1126.134	ng/ml	100
9) Naphthalene	2.967	128	377411	1393.745	ng/ml	100
10) Hexachlorobutadiene	3.034	225	59484	1159.313	ng/ml	100
11) 2-Methylnaphthalene	3.344	142	259217	1378.841	ng/ml	100
14) 2-Chloronaphthalene	3.614	162	256271	1373.210	ng/ml	92
16) Acenaphthylene	3.848	152	398245	1480.096	ng/ml	100
18) Acenaphthene	3.948	153	276984	1534.615	ng/ml	91
20) Fluorene	4.238	166	327888	1678.901	ng/ml	99
24) Hexachlorobenzene	4.555	284	108325	1807.496	ng/ml	99
25) Pentachlorophenol	4.669	266	66745	1948.728	ng/ml	99

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-3.D
Acq On : 24 Nov 2024 11:29 am
Operator : SV120:kmh
Sample : WG2001588-3,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 11:26:39 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.783	178	500940	1852.758	ng/ml	100
27) Anthracene	4.810	178	500931	1790.731	ng/ml	100
28) Fluoranthene	5.462	202	580939	1865.502	ng/ml	98
29) Pyrene	5.594	202	586466	1826.338	ng/ml	100
32) Benzo[a]anthracene	6.324	228	489868	1934.011	ng/ml	99
34) Chrysene	6.348	228	448651	2045.644	ng/ml	100
37) Benzo[b]fluoranthene	7.180	252	434200	1922.927	ng/ml	100
38) Benzo[k]fluoranthene	7.206	252	413443	2036.751	ng/ml	100
39) Benzo[a]pyrene	7.498	252	372480	2013.944	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.810	276	385787	2039.920	ng/ml	97
41) Dibenzo[a,h]anthracene	8.847	278	341653M6	1923.002	ng/ml	
42) Benzo[g,h,i]perylene	9.164	276	344428	1875.187	ng/ml	96

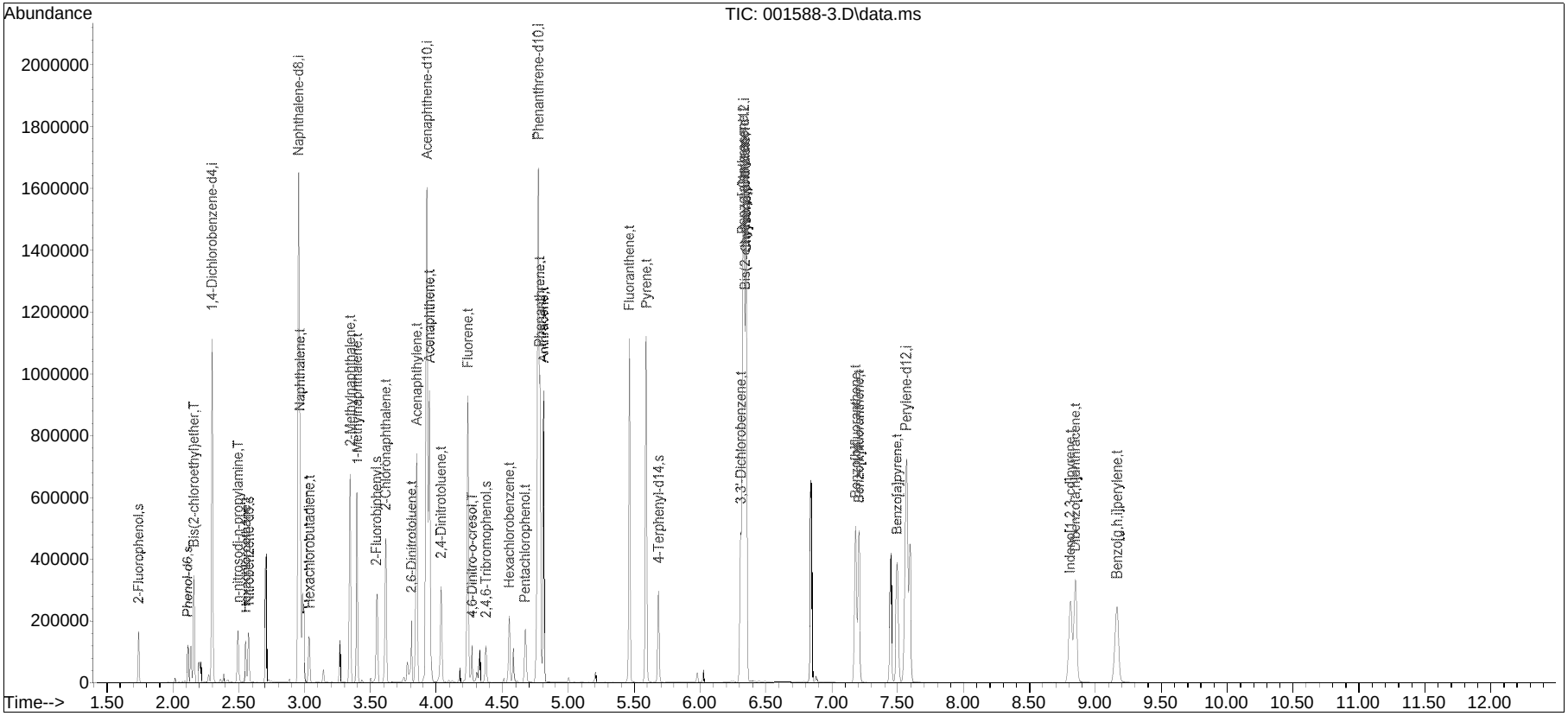
(#) = qualifier out of range (m) = manual integration (+) = signals summed

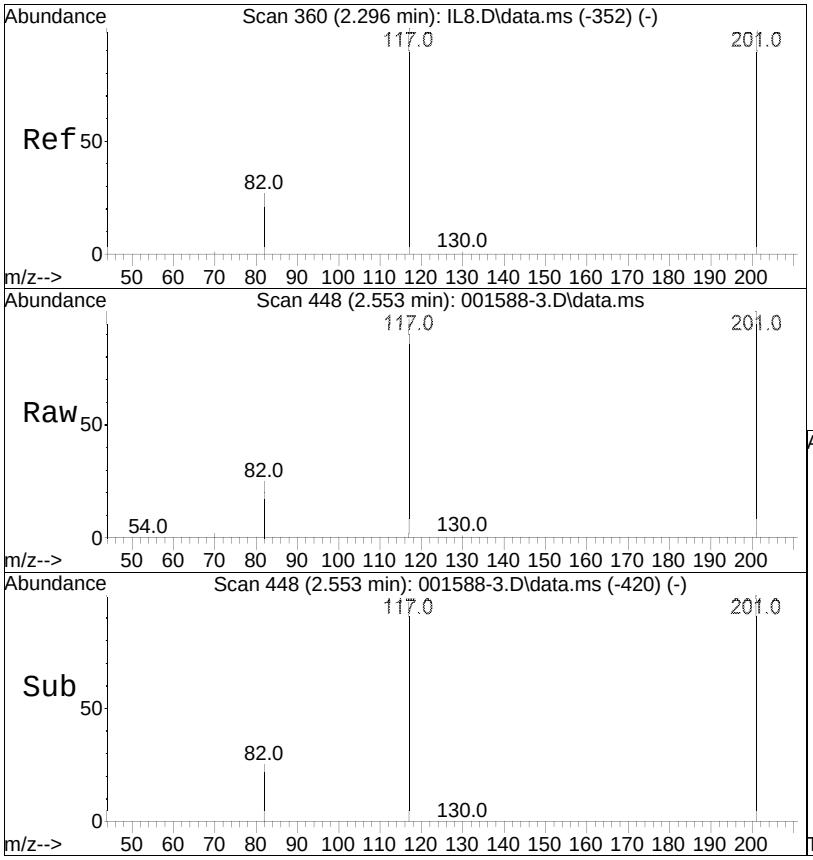
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-3.D
Acq On : 24 Nov 2024 11:29 am
Operator : SV120:kmh
Sample : WG2001588-3,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 11:26:39 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1124.D•

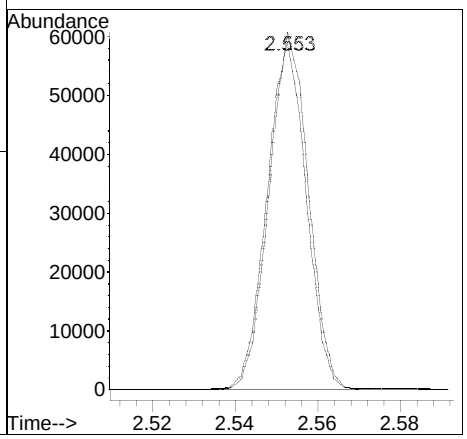


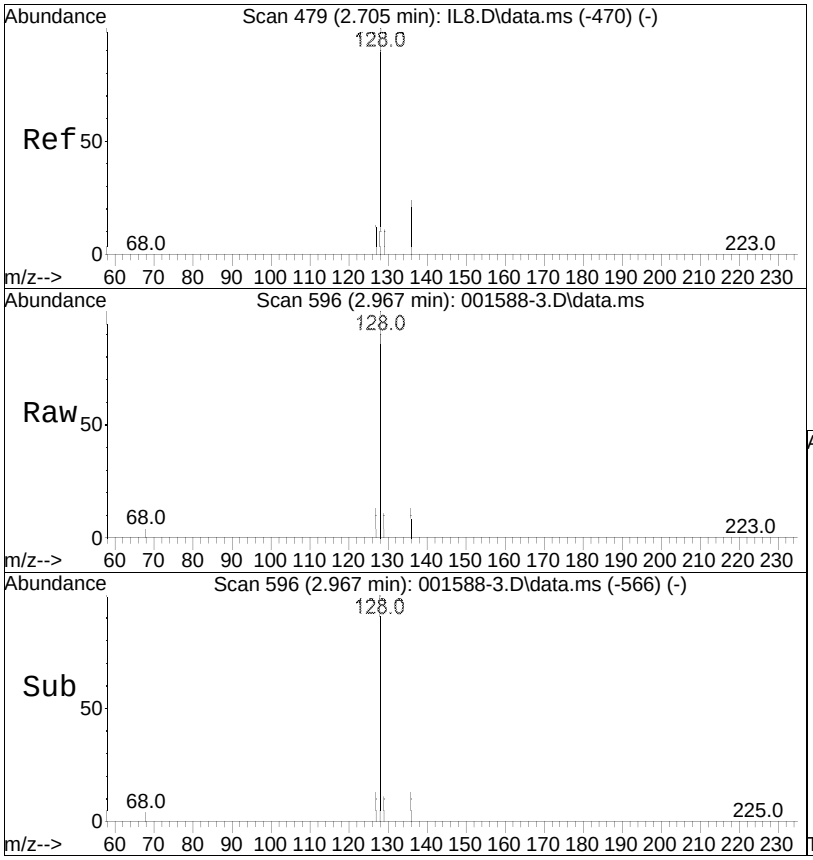


#6
Hexachloroethane
Concen: 1126.13 ng/ml
RT: 2.553 min Scan# 448
Delta R.T. -0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:117 Resp: 38536

Ion	Ratio	Lower	Upper
117	100		
201	102.9	82.0	123.0

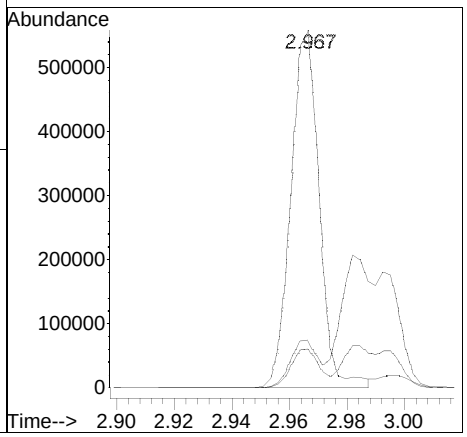


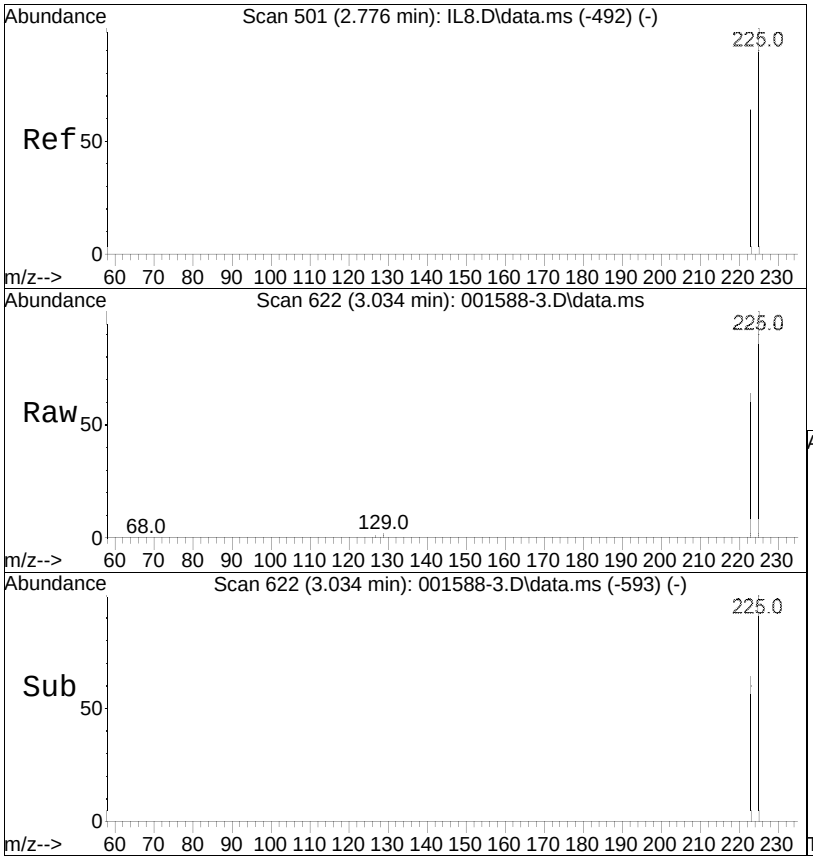


#9
Naphthalene
Concen: 1393.74 ng/ml
RT: 2.967 min Scan# 596
Delta R.T. -0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:128 Resp: 377411

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.7	16.1

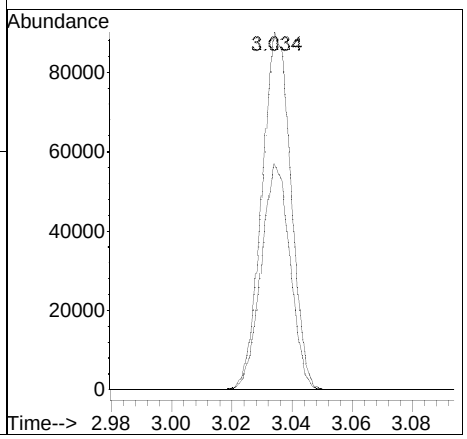


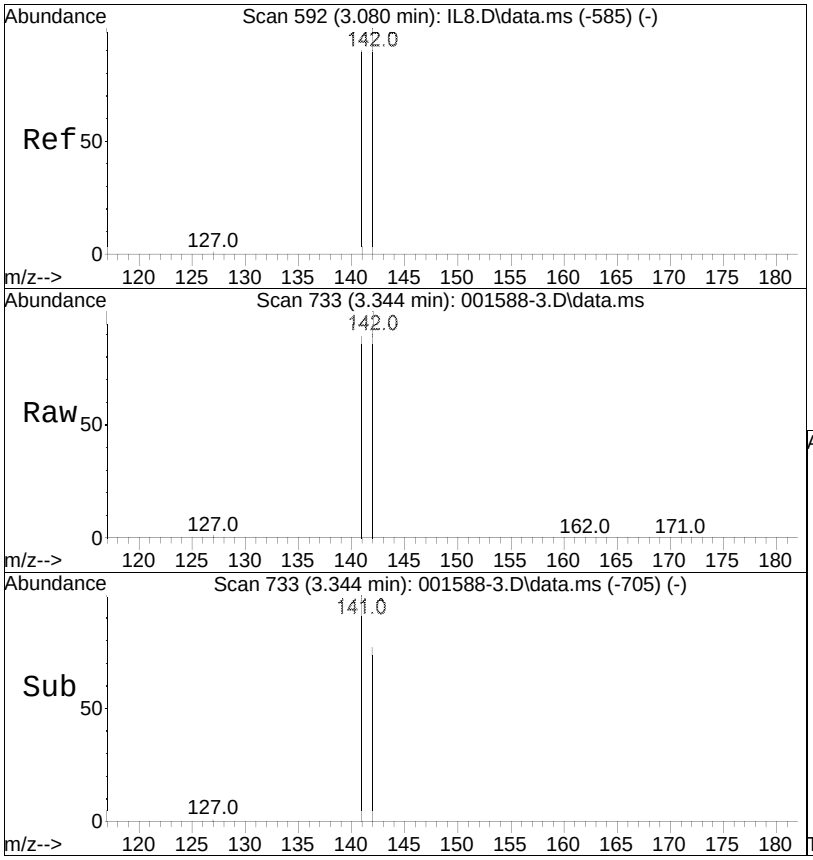


#10
Hexachlorobutadiene
Concen: 1159.31 ng/ml
RT: 3.034 min Scan# 622
Delta R.T. -0.005 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:225 Resp: 59484

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.5	75.7

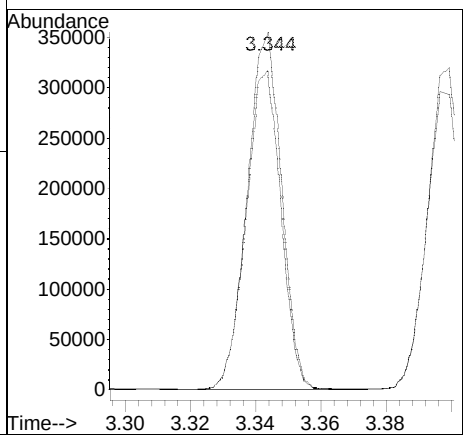


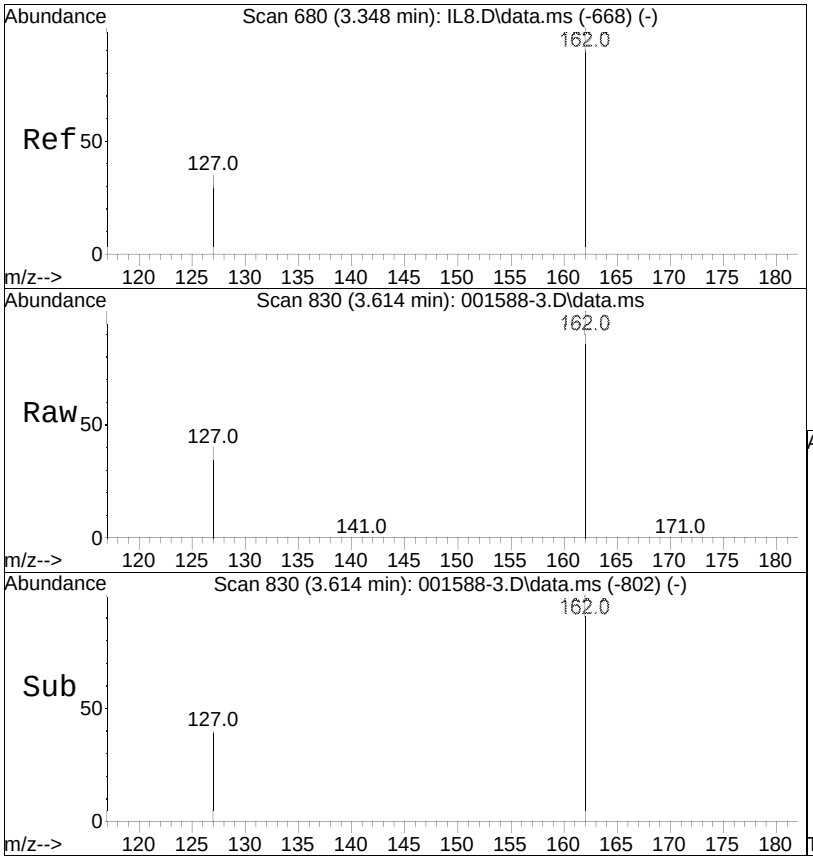


#11
2-Methylnaphthalene
Concen: 1378.84 ng/ml
RT: 3.344 min Scan# 733
Delta R.T. -0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:142 Resp: 259217

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.2	108.2

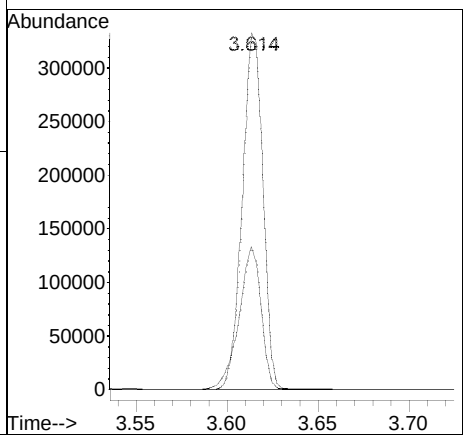


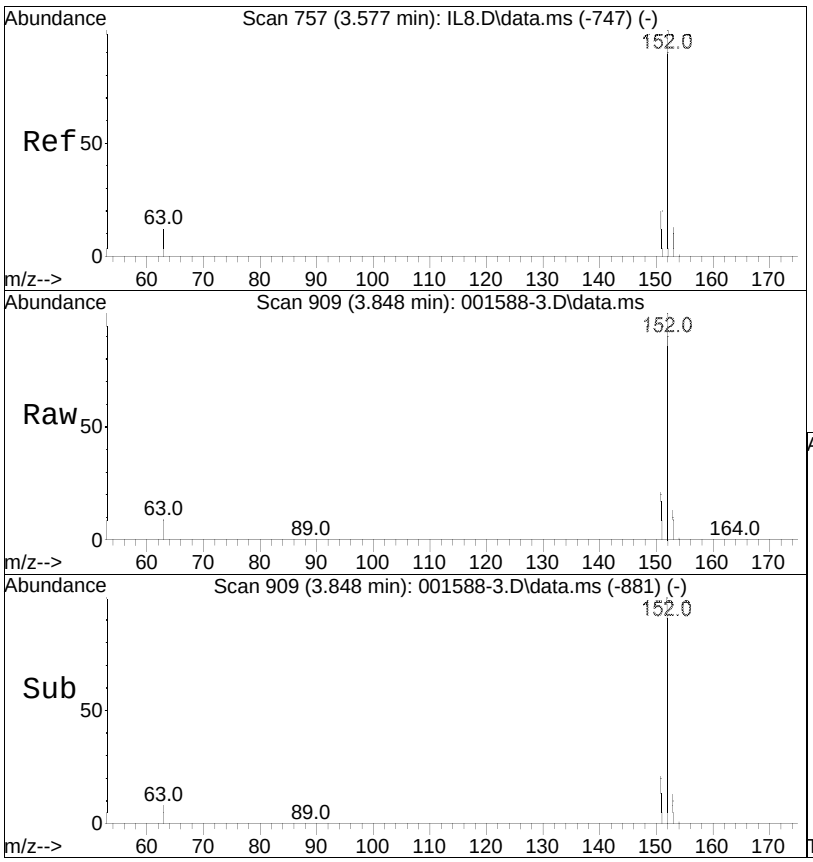


#14
2-Chloronaphthalene
Concen: 1373.21 ng/ml
RT: 3.614 min Scan# 830
Delta R.T. -0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:162 Resp: 256271

Ion	Ratio	Lower	Upper
162	100		
127	43.4	31.0	46.4

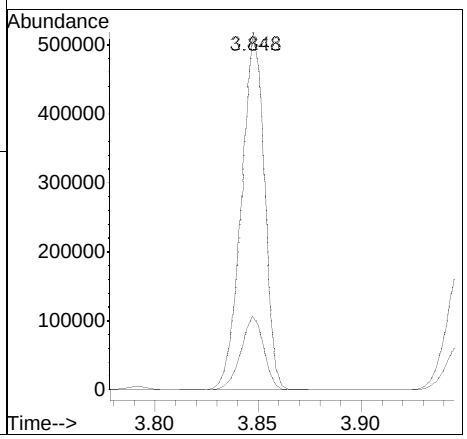


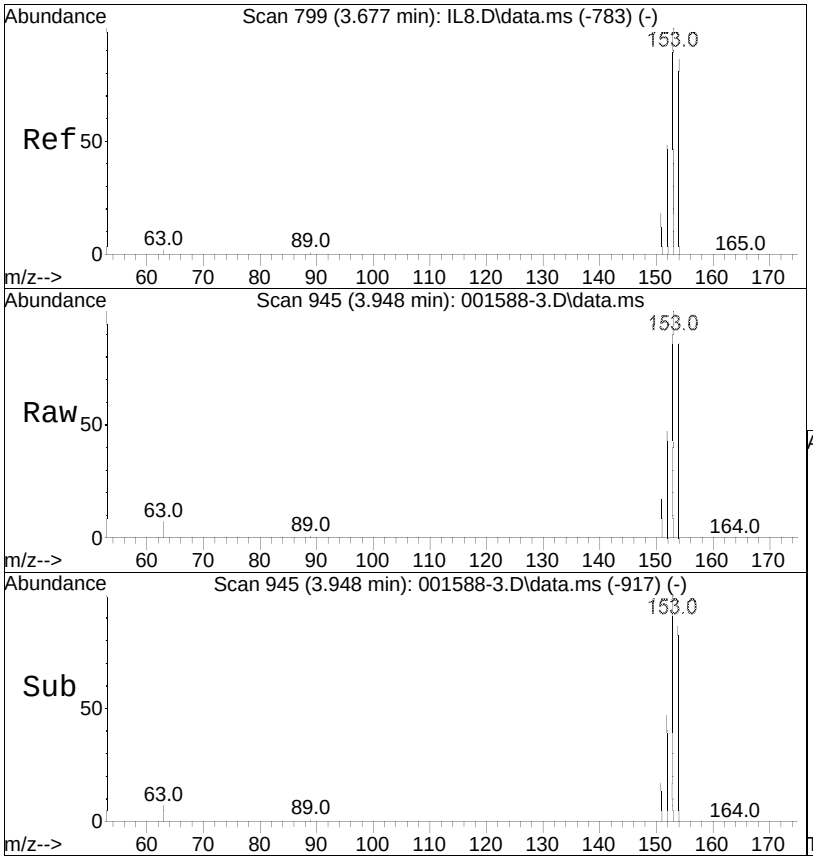


#16
Acenaphthylene
Concen: 1480.10 ng/ml
RT: 3.848 min Scan# 909
Delta R.T. -0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:152 Resp: 398245

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6

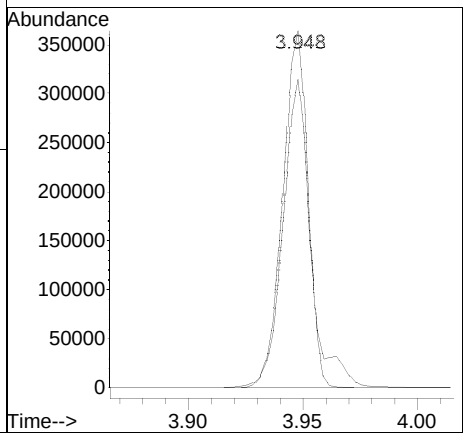


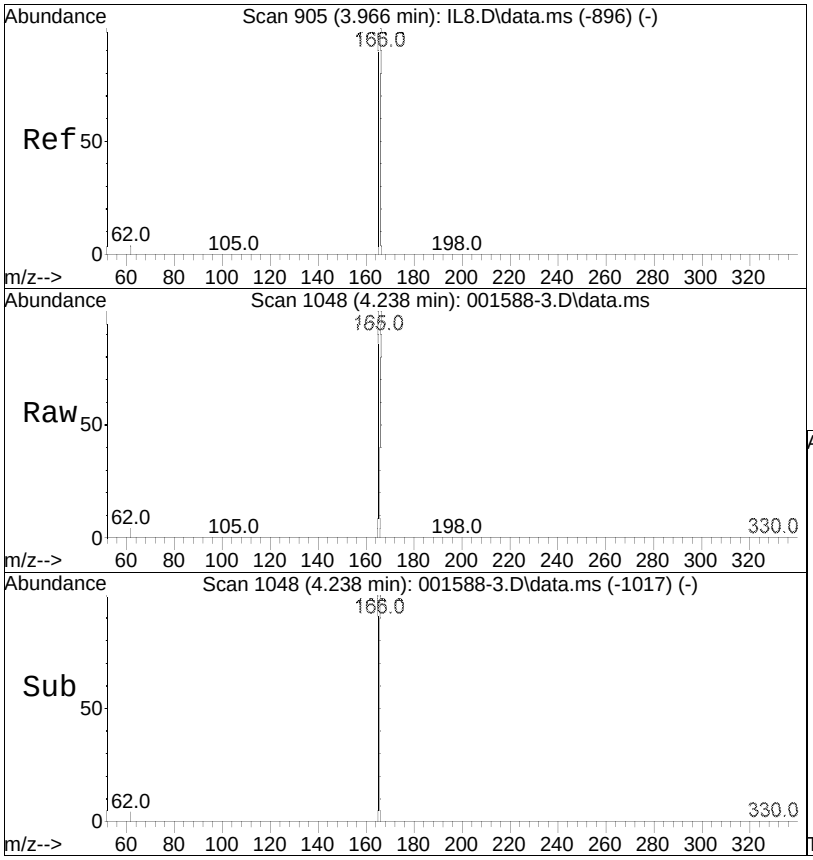


#18
Acenaphthene
Concen: 1534.62 ng/ml
RT: 3.948 min Scan# 945
Delta R.T. -0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:153 Resp: 276984

Ion	Ratio	Lower	Upper
153	100		
154	95.7	69.8	104.6

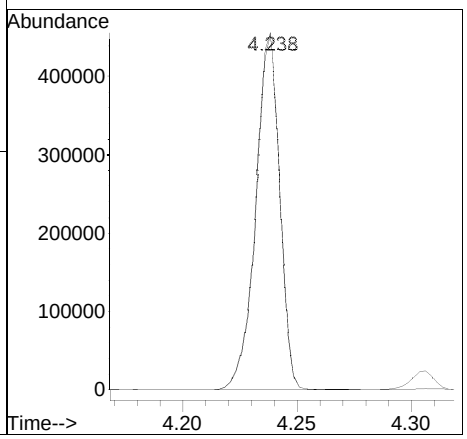


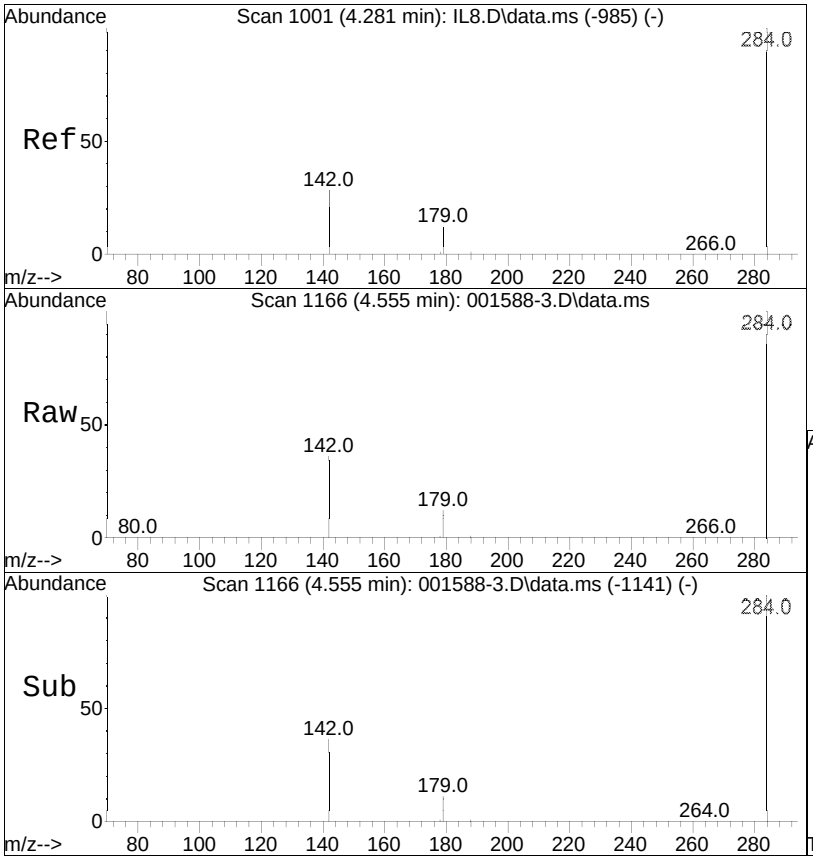


#20
Fluorene
Concen: 1678.90 ng/ml
RT: 4.238 min Scan# 1048
Delta R.T. -0.002 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:166 Resp: 327888

Ion	Ratio	Lower	Upper
166	100		
165	101.1	80.1	120.1

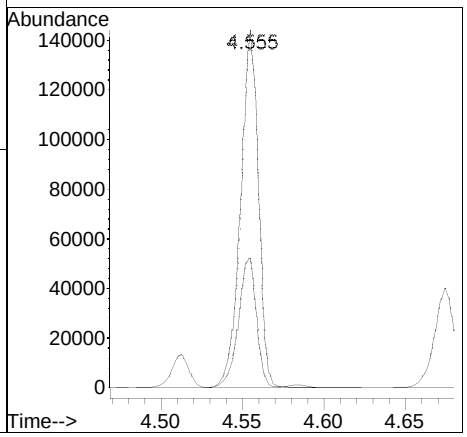


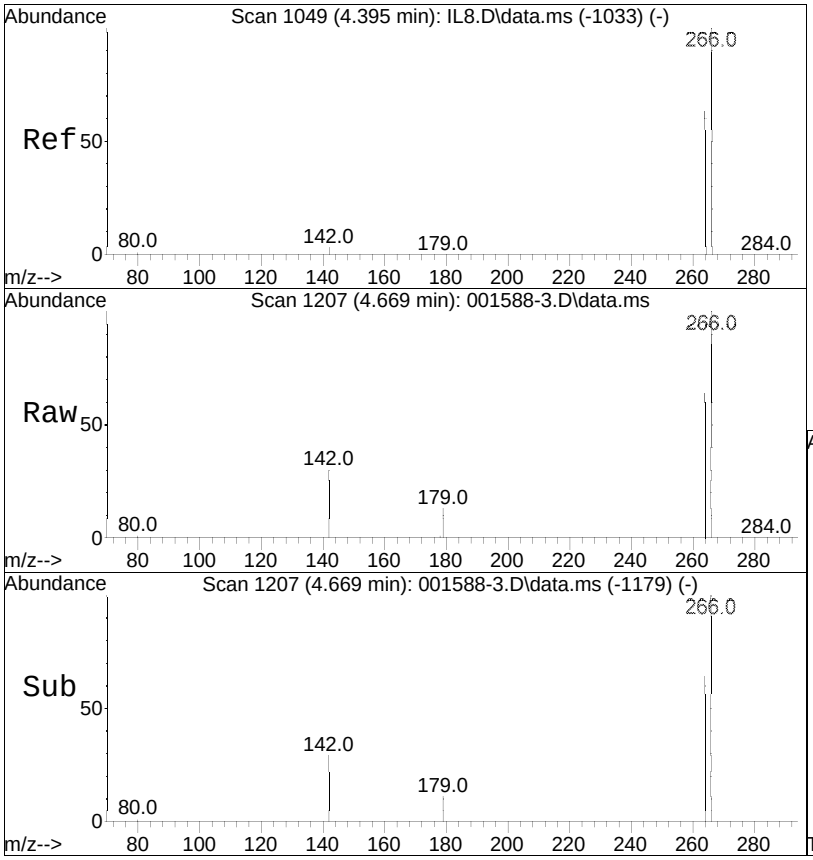


#24
Hexachlorobenzene
Concen: 1807.50 ng/ml
RT: 4.555 min Scan# 1166
Delta R.T. -0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:284 Resp: 108325

Ion	Ratio	Lower	Upper
284	100		
142	36.8	30.2	45.2

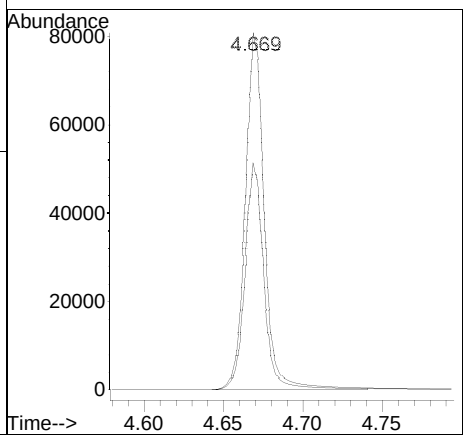


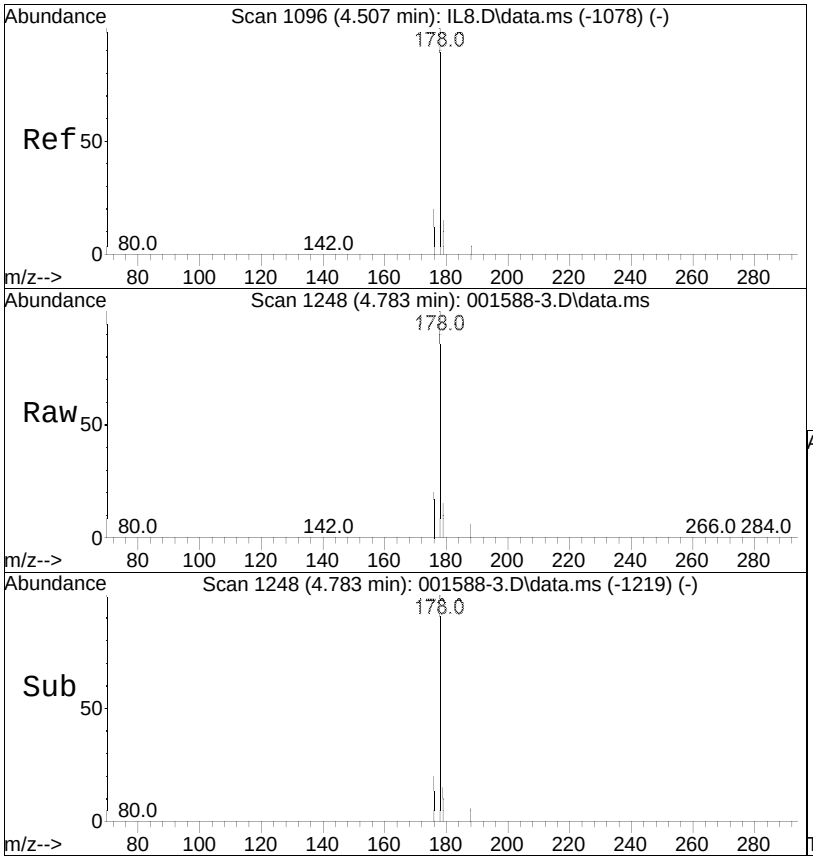


#25
Pentachlorophenol
Concen: 1948.73 ng/ml
RT: 4.669 min Scan# 1207
Delta R.T. -0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:266 Resp: 66745

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.3	75.5

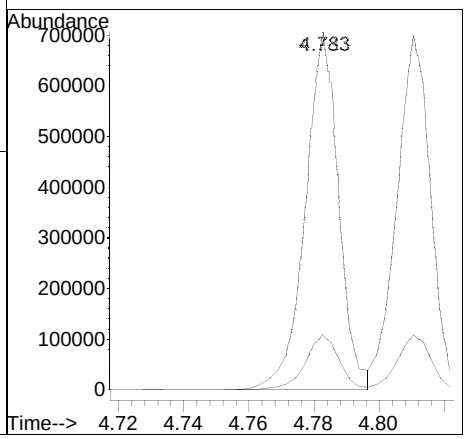


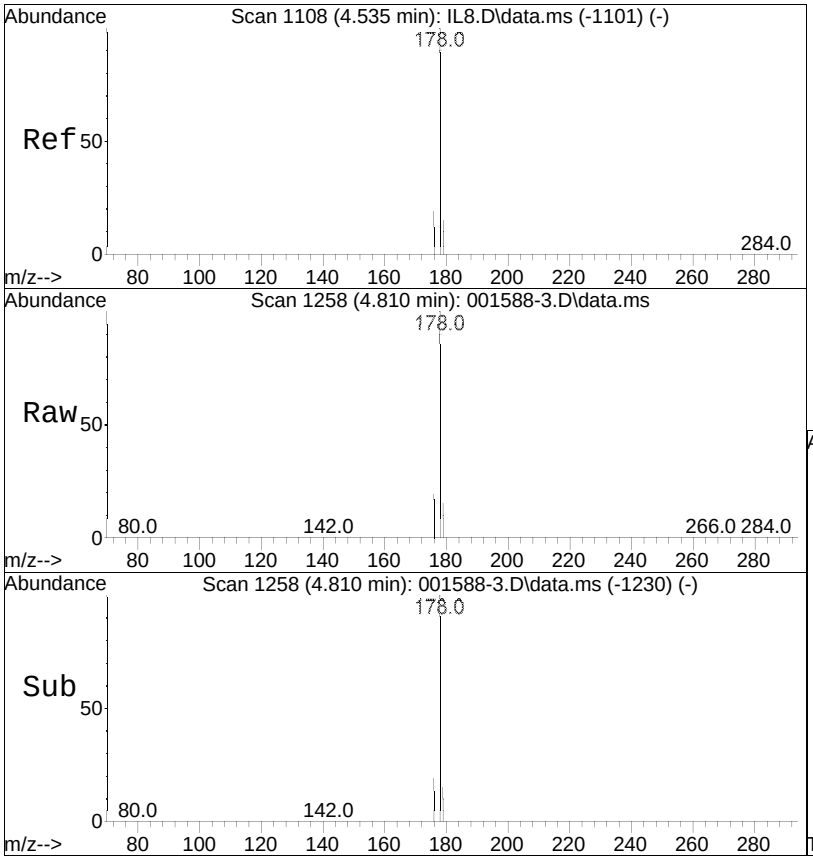


#26
Phenanthrene
Concen: 1852.76 ng/ml
RT: 4.783 min Scan# 1248
Delta R.T. -0.000 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:178 Resp: 500940

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

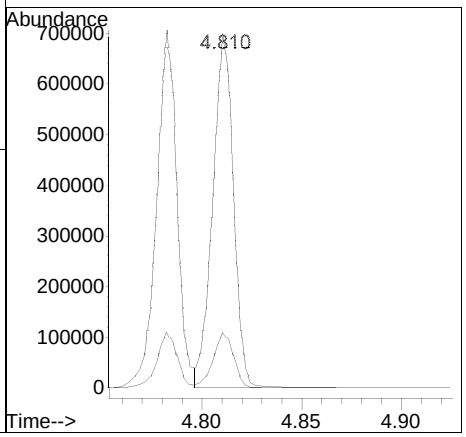


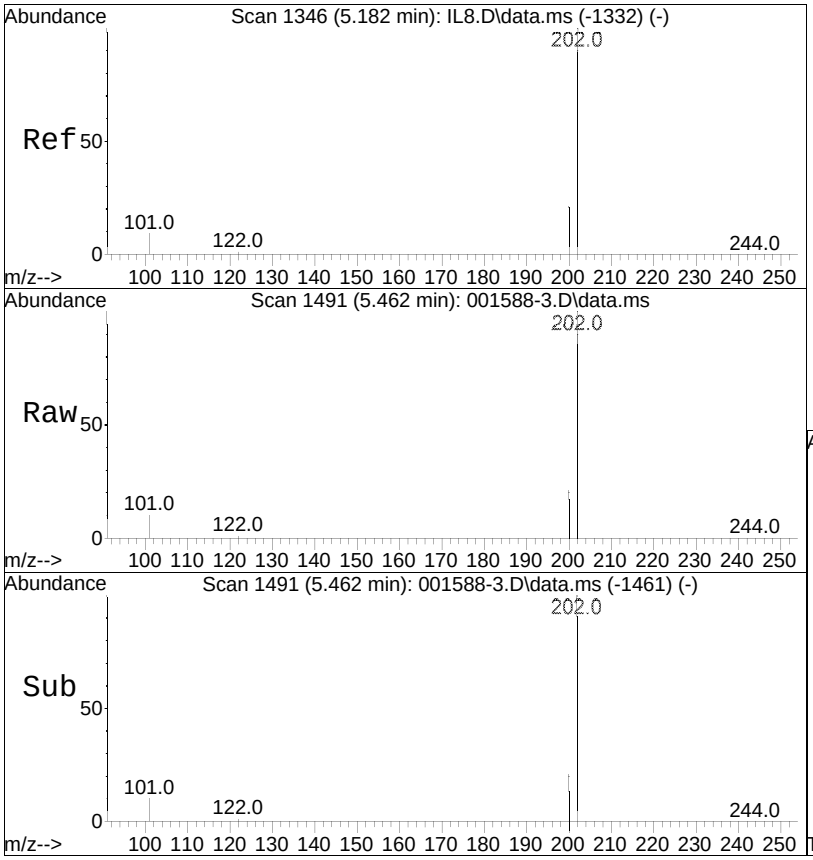


#27
Anthracene
Concen: 1790.73 ng/ml
RT: 4.810 min Scan# 1258
Delta R.T. -0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:178 Resp: 500931

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

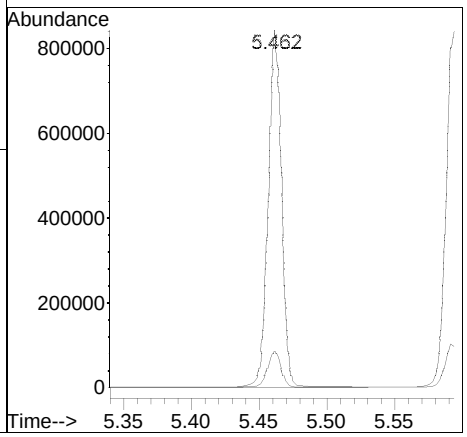


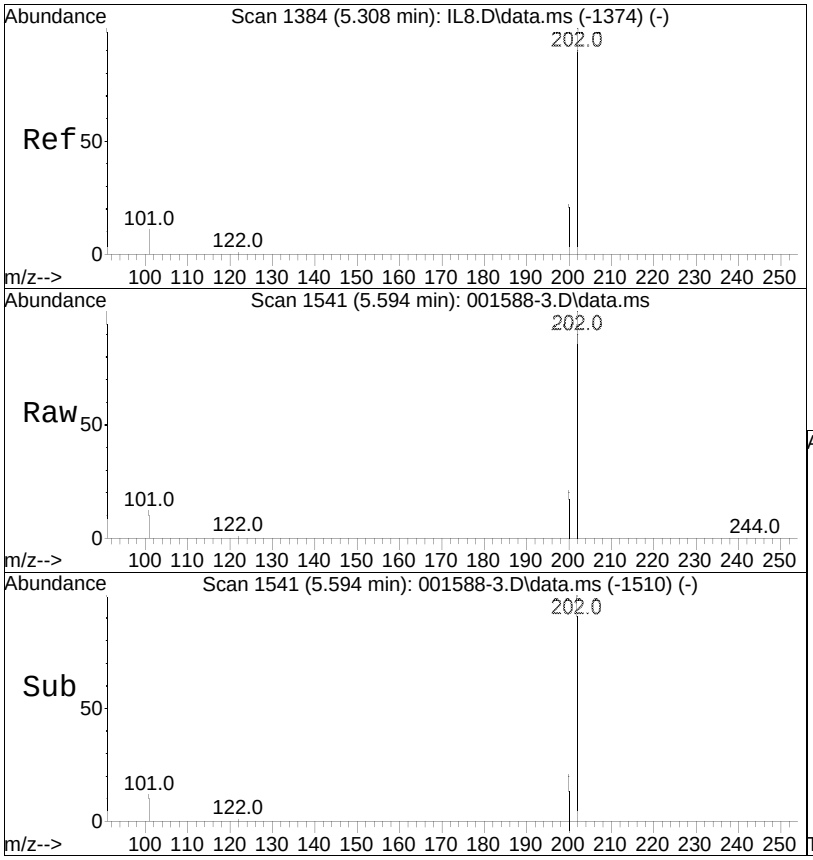


#28
Fluoranthene
Concen: 1865.50 ng/ml
RT: 5.462 min Scan# 1491
Delta R.T. 0.000 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:202 Resp: 580939

Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.8	11.6

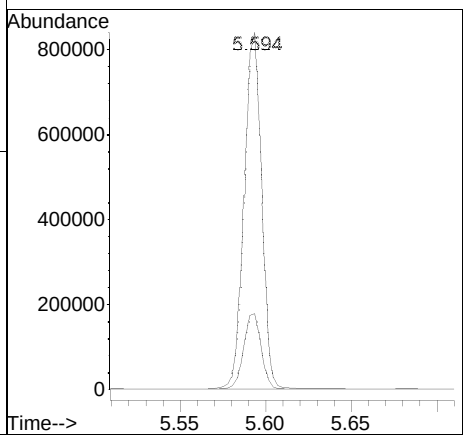


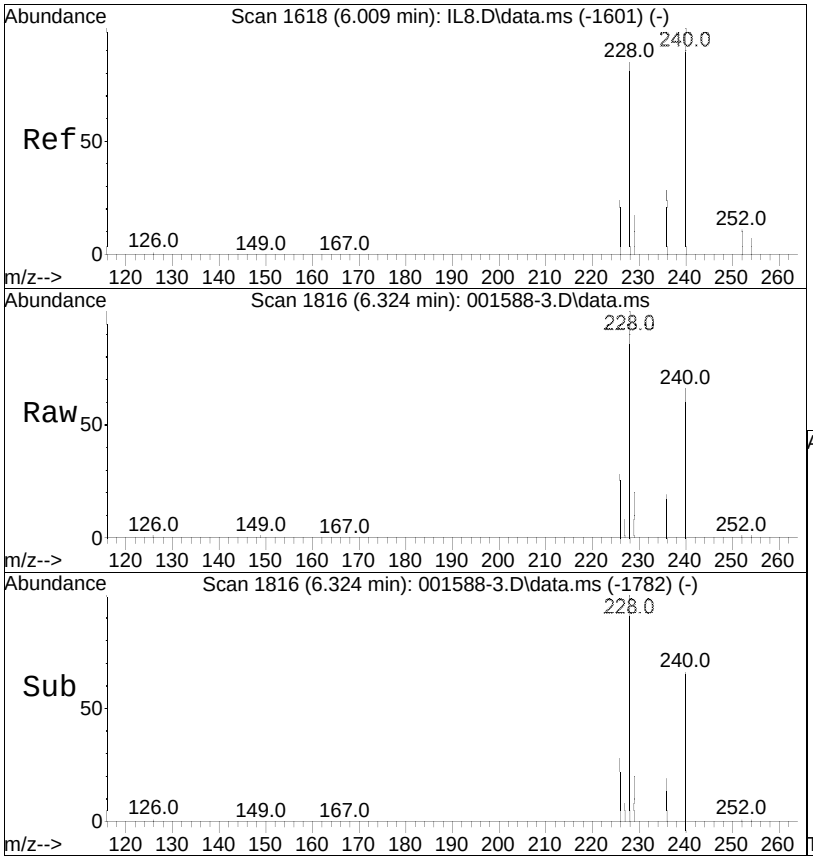


#29
Pyrene
Concen: 1826.34 ng/ml
RT: 5.594 min Scan# 1541
Delta R.T. 0.003 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:202 Resp: 586466

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3

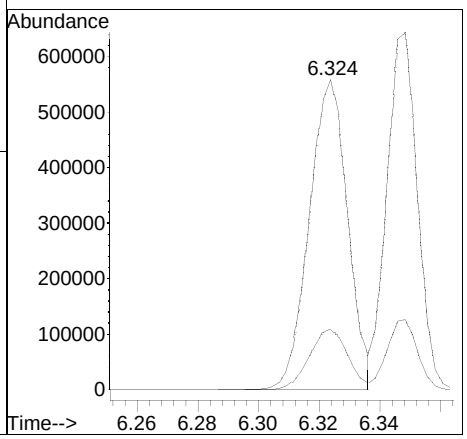


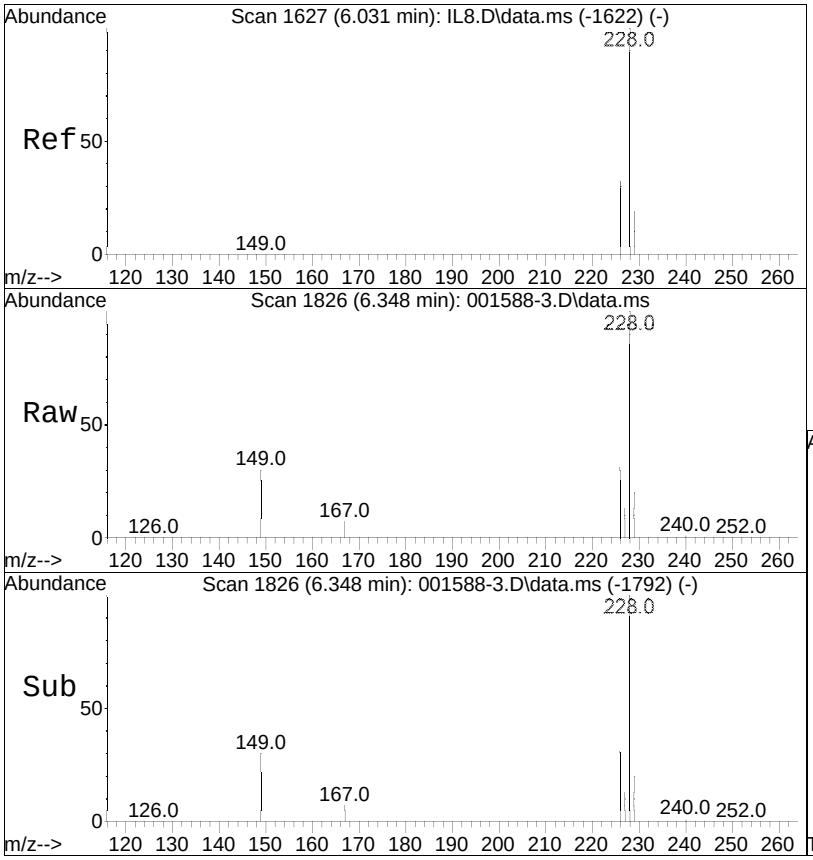


#32
Benzo[a]anthracene
Concen: 1934.01 ng/ml
RT: 6.324 min Scan# 1816
Delta R.T. 0.005 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:228 Resp: 489868

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

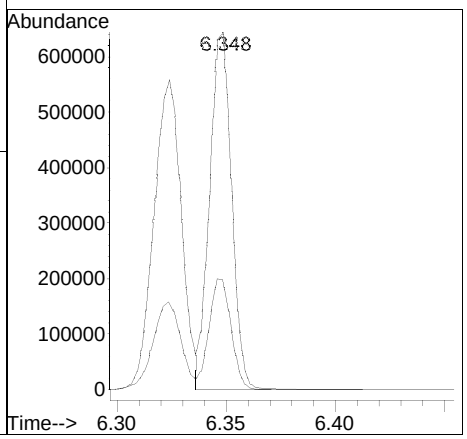


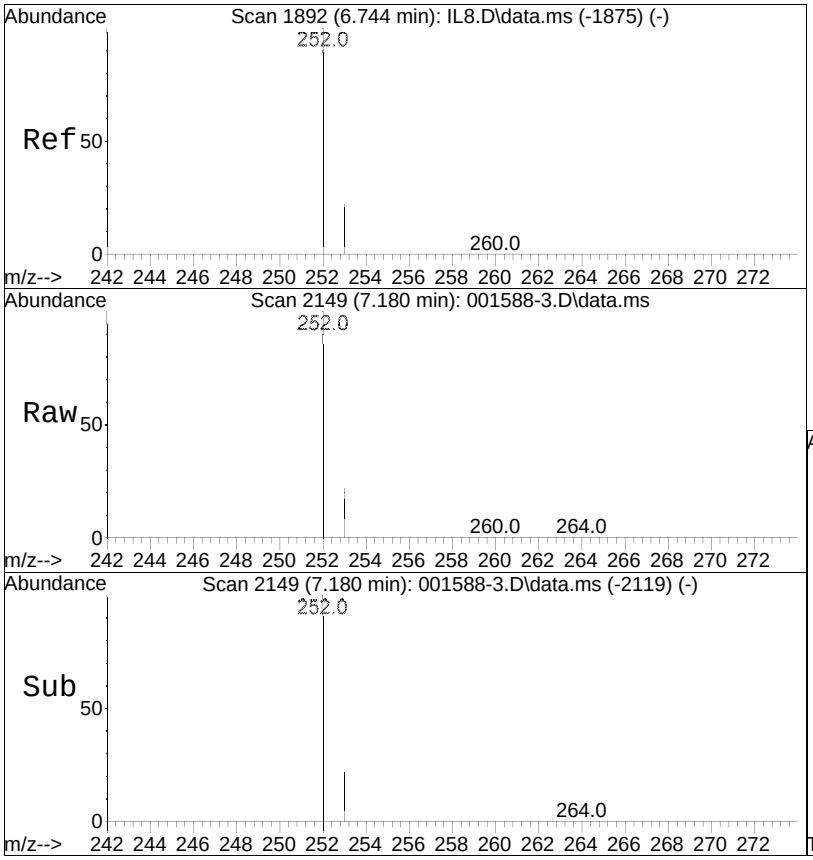


#34
Chrysene
Concen: 2045.64 ng/ml
RT: 6.348 min Scan# 1826
Delta R.T. 0.005 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:228 Resp: 448651

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3

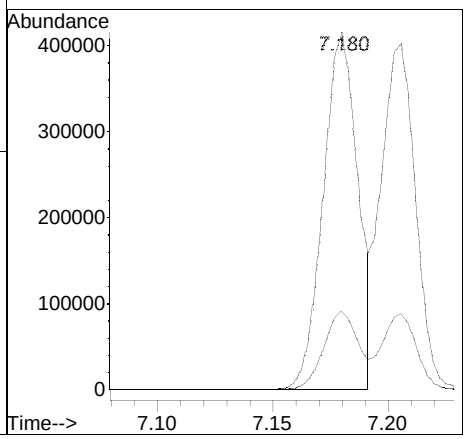


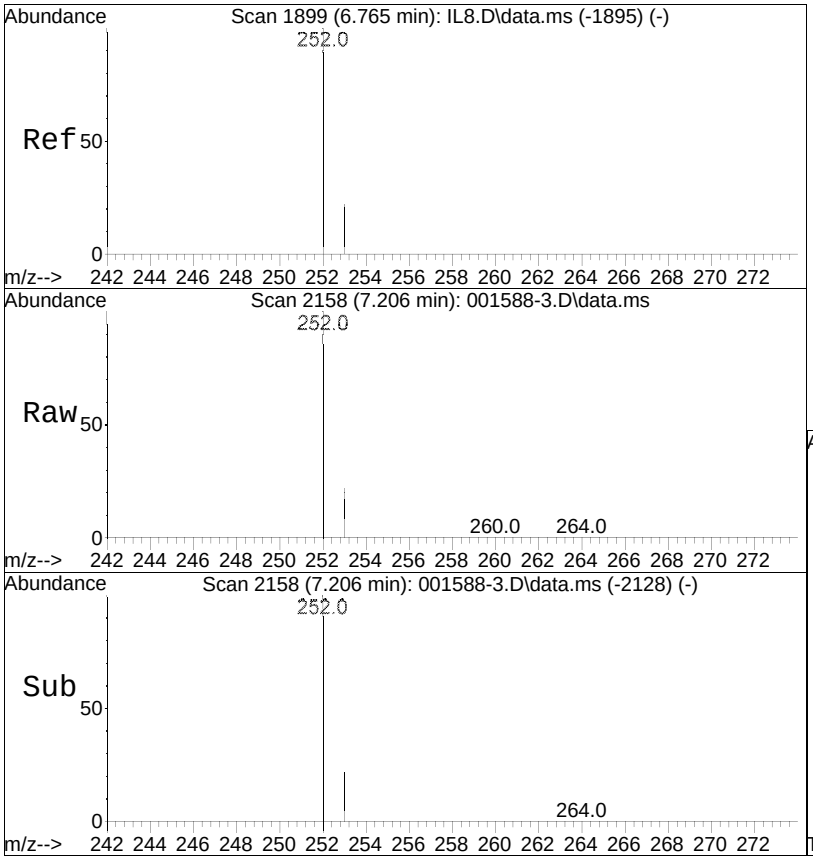


#37
Benzo[b]fluoranthene
Concen: 1922.93 ng/ml
RT: 7.180 min Scan# 2149
Delta R.T. 0.006 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:252 Resp: 434200

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

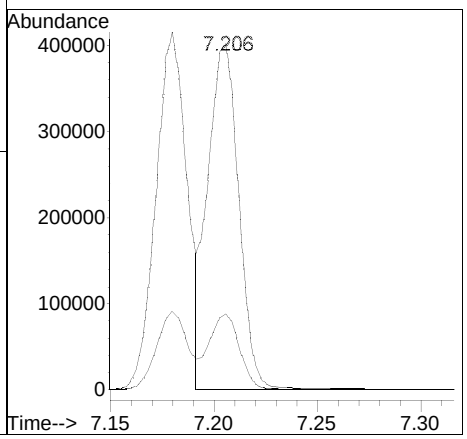


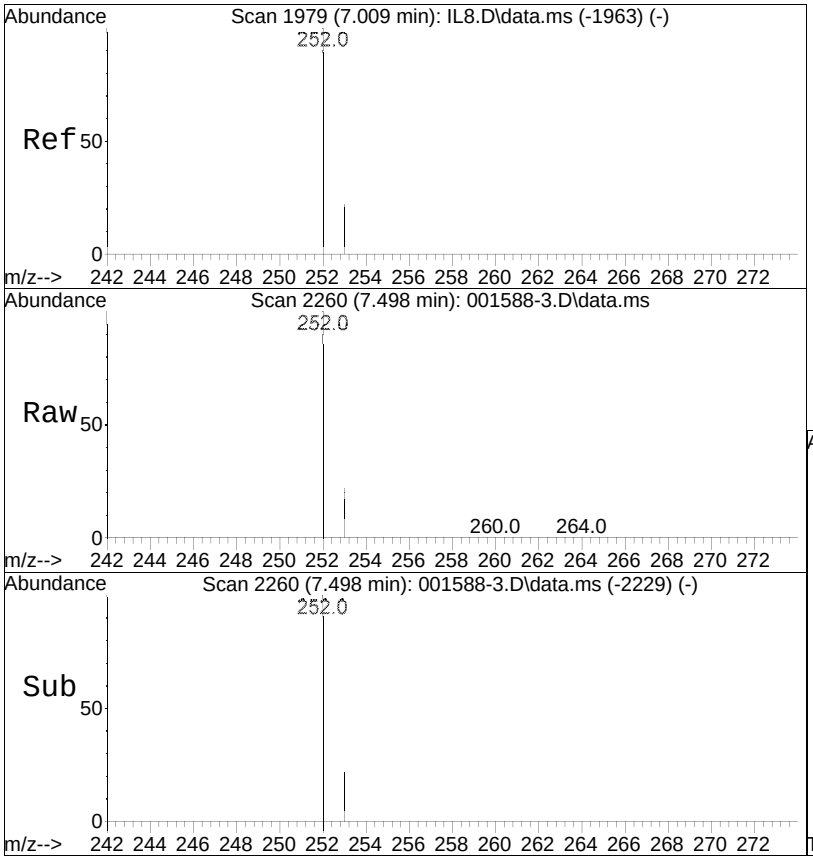


#38
Benzo[k]fluoranthene
Concen: 2036.75 ng/ml
RT: 7.206 min Scan# 2158
Delta R.T. 0.006 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:252 Resp: 413443

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

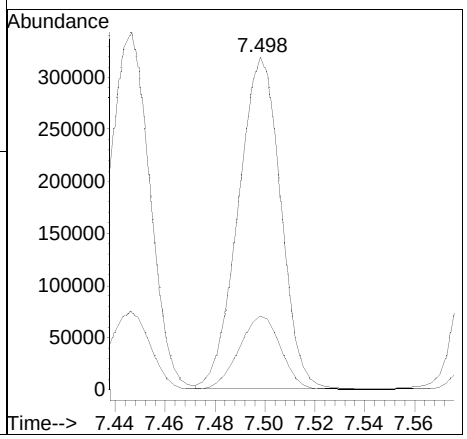


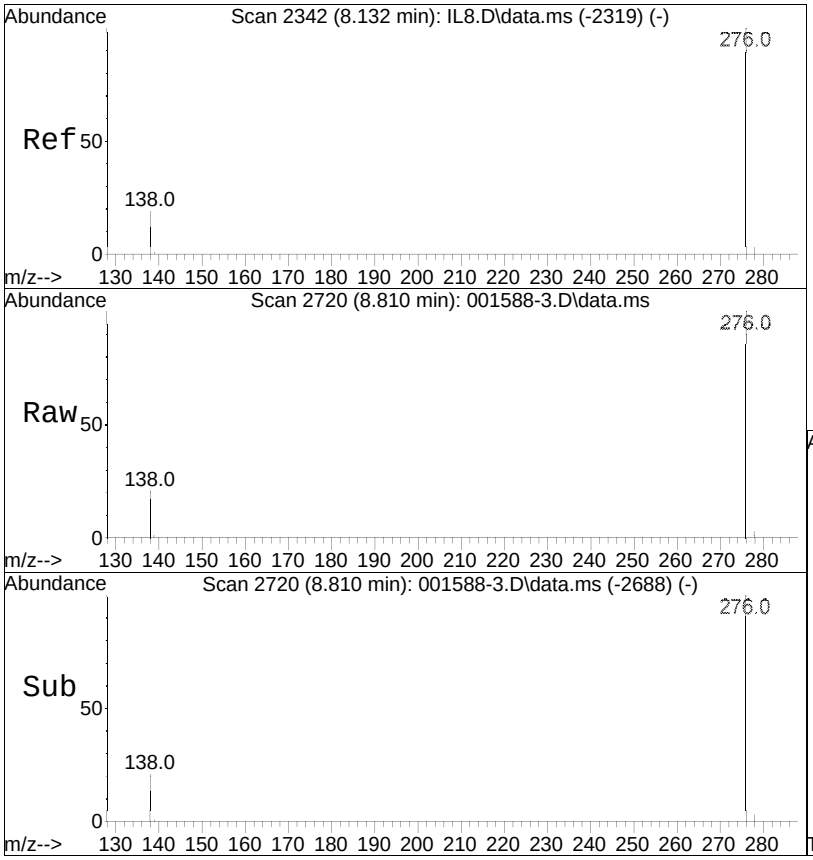


#39
Benzo[a]pyrene
Concen: 2013.94 ng/ml
RT: 7.498 min Scan# 2260
Delta R.T. 0.009 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:252 Resp: 372480

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2

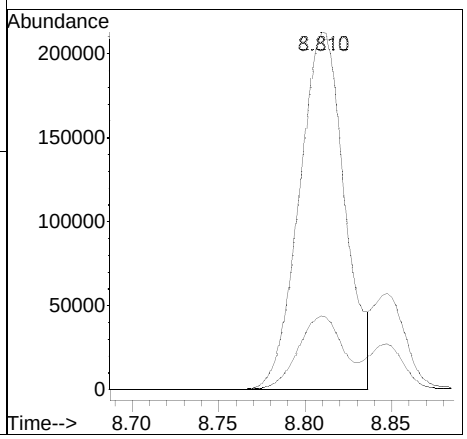


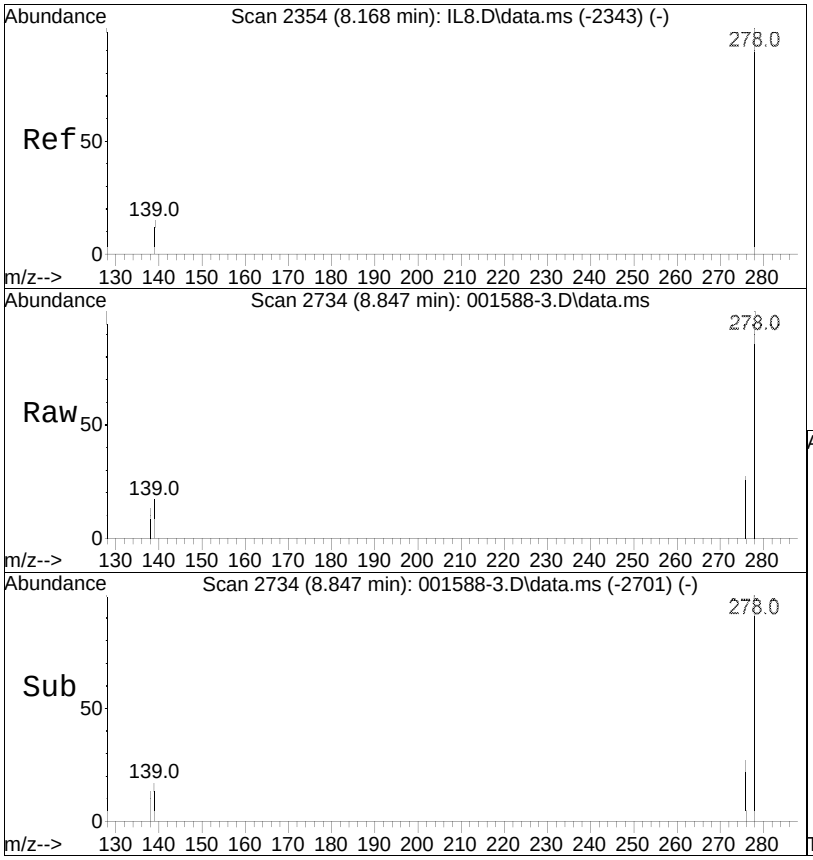


#40
Indeno[1,2,3-cd]pyrene
Concen: 2039.92 ng/ml
RT: 8.810 min Scan# 2720
Delta R.T. 0.005 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:276 Resp: 385787

Ion	Ratio	Lower	Upper
276	100		
138	20.6	15.4	23.0

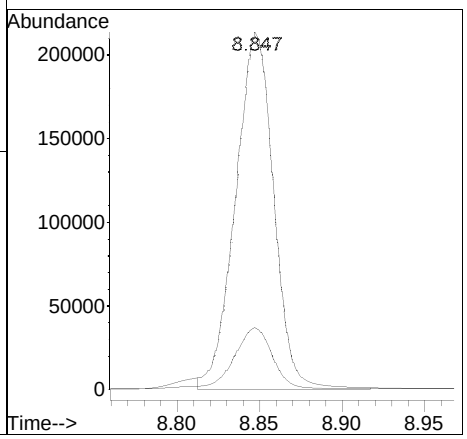


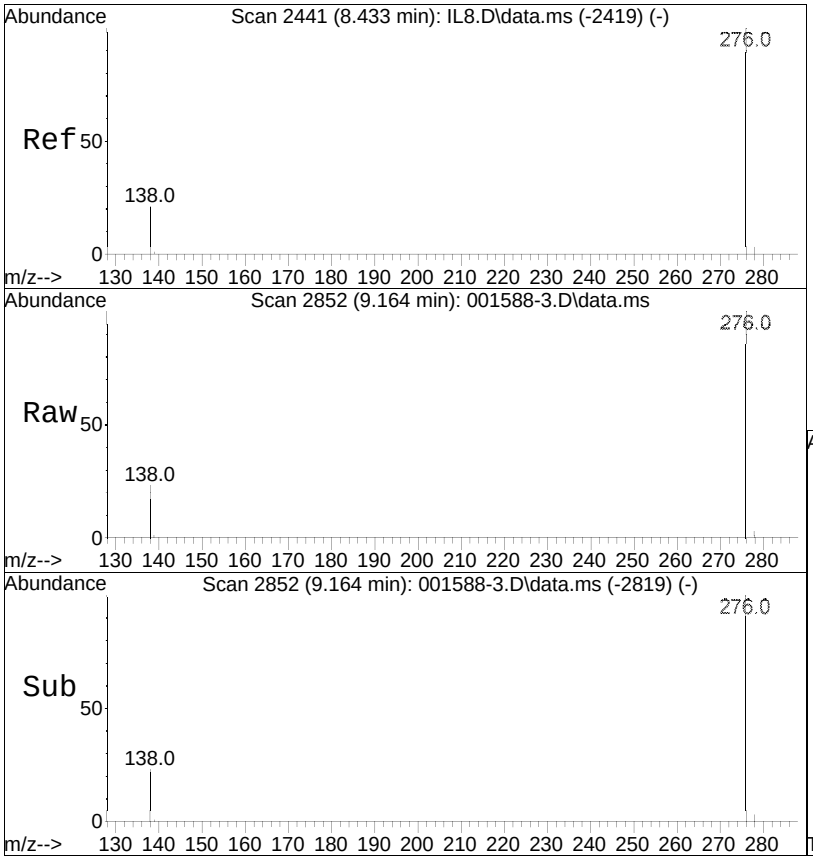


#41
Dibenzo[a,h]anthracene
Concen: 1923.00 ng/ml M6
RT: 8.847 min Scan# 2734
Delta R.T. 0.008 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:278 Resp: 341653

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.0	19.6

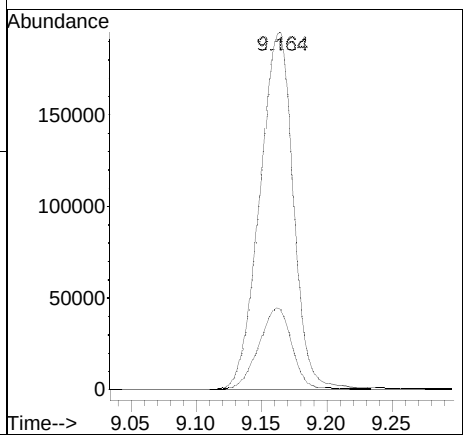




#42
Benzo[g,h,i]perylene
Concen: 1875.19 ng/ml
RT: 9.164 min Scan# 2852
Delta R.T. 0.008 min
Lab File: 001588-3.D
Acq: 24 Nov 2024 11:29 am

Tgt Ion:276 Resp: 344428

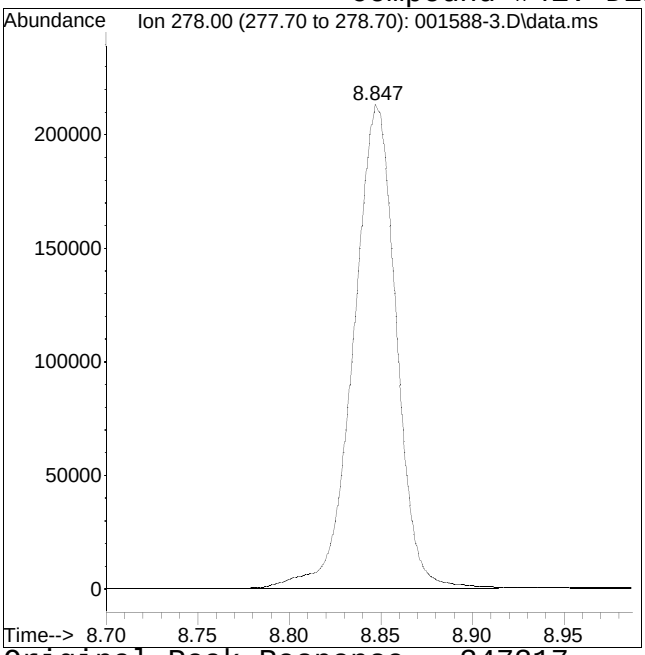
Ion	Ratio	Lower	Upper
276	100		
138	22.8	16.6	25.0



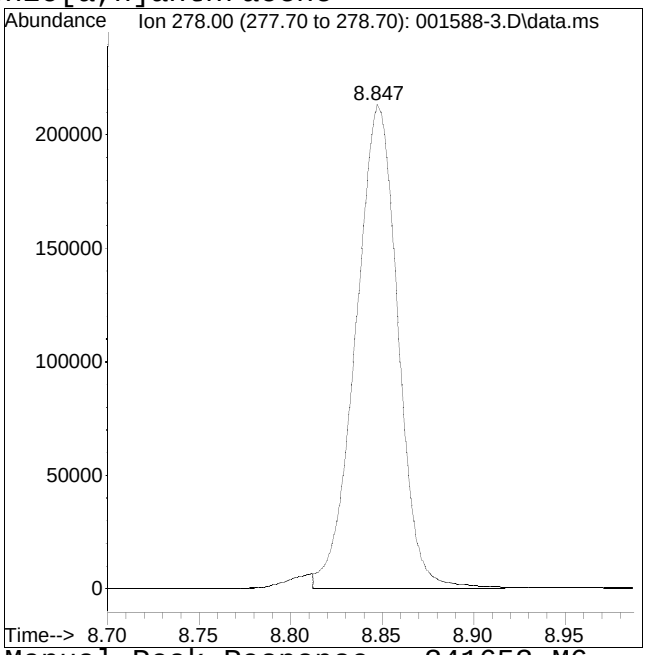
Manual Integration Report

Data Path : I:\8270SIM\sv120\241124RVTQMethod : SIM-RVT_241105_sv120.M
Data File : 001588-3.D Operator : SV120:kmh
Date Inj'd : 11/24/2024 11:29 am Instrument : SV120
Sample : WG2001588-3,32,,jjw Quant Date : 11/24/2024 11:41 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 347317



Manual Peak Response = 341653 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-6.D
Acq On : 24 Nov 2024 05:10 pm
Operator : SV120:kmh
Sample : WG2001588-6,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 25 10:41:29 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.297	152	225779	4000.000 ng/ml	0.00
Standard Area 1 = 217001			Recovery	= 104.05%	
8) Naphthalene-d8	2.954	136	945823	4000.000 ng/ml	# 0.00
Standard Area 1 = 867141			Recovery	= 109.07%	
17) Acenaphthene-d10	3.931	164	529583	4000.000 ng/ml	0.00
Standard Area 1 = 513045			Recovery	= 103.22%	
22) Phenanthrene-d10	4.771	188	1001483	4000.000 ng/ml	0.00
Standard Area 1 = 1011820			Recovery	= 98.98%	
31) Chrysene-d12	6.331	240	711956	4000.000 ng/ml	0.00
Standard Area 1 = 870473			Recovery	= 81.79%	
36) Perylene-d12	7.561	264	644848	4000.000 ng/ml	0.00
Standard Area 1 = 832237			Recovery	= 77.48%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.734	112	54997	827.551 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 41.38%	
3) Phenol-d6	2.117	99	49279	603.477 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 30.17%	
7) Nitrobenzene-d5	2.572	82	58656	813.665 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 81.37%	
13) 2-Fluorobiphenyl	3.550	172	148128	777.020 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 77.70%	
21) 2,4,6-Tribromophenol	4.376	330	42870	2033.516 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 101.68%	
30) 4-Terphenyl-d14	5.681	244	149513	821.038 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 41.05%	
Target Compounds					Qvalue
6) Hexachloroethane	2.553	117	36189	1224.331 ng/ml	99
9) Naphthalene	2.967	128	322228	1362.857 ng/ml	100
10) Hexachlorobutadiene	3.034	225	54871	1224.790 ng/ml	100
11) 2-Methylnaphthalene	3.344	142	235387	1434.008 ng/ml	100
14) 2-Chloronaphthalene	3.616	162	235993	1448.289 ng/ml	93
16) Acenaphthylene	3.848	152	362820	1544.363 ng/ml	100
18) Acenaphthene	3.948	153	251294	1572.050 ng/ml	92
20) Fluorene	4.238	166	294816	1704.473 ng/ml	99
24) Hexachlorobenzene	4.555	284	95500	1805.285 ng/ml	99
25) Pentachlorophenol	4.669	266	57565	1907.282 ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-6.D
Acq On : 24 Nov 2024 05:10 pm
Operator : SV120:kmh
Sample : WG2001588-6,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 25 10:41:29 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.782	178	432739	1813.230	ng/ml	100
27) Anthracene	4.810	178	440937	1785.759	ng/ml	100
28) Fluoranthene	5.461	202	484554	1762.792	ng/ml	98
29) Pyrene	5.591	202	486436	1716.160	ng/ml	100
32) Benzo[a]anthracene	6.321	228	407376	1871.168	ng/ml	99
34) Chrysene	6.346	228	379615	2014.071	ng/ml	100
37) Benzo[b]fluoranthene	7.177	252	376885	1926.148	ng/ml	100
38) Benzo[k]fluoranthene	7.203	252	340543	1935.985	ng/ml	100
39) Benzo[a]pyrene	7.495	252	314334	1961.298	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.812	276	321724	1963.165	ng/ml	97
41) Dibenzo[a,h]anthracene	8.847	278	280763M6	1823.653	ng/ml	
42) Benzo[g,h,i]perylene	9.162	276	286839	1802.155	ng/ml	95

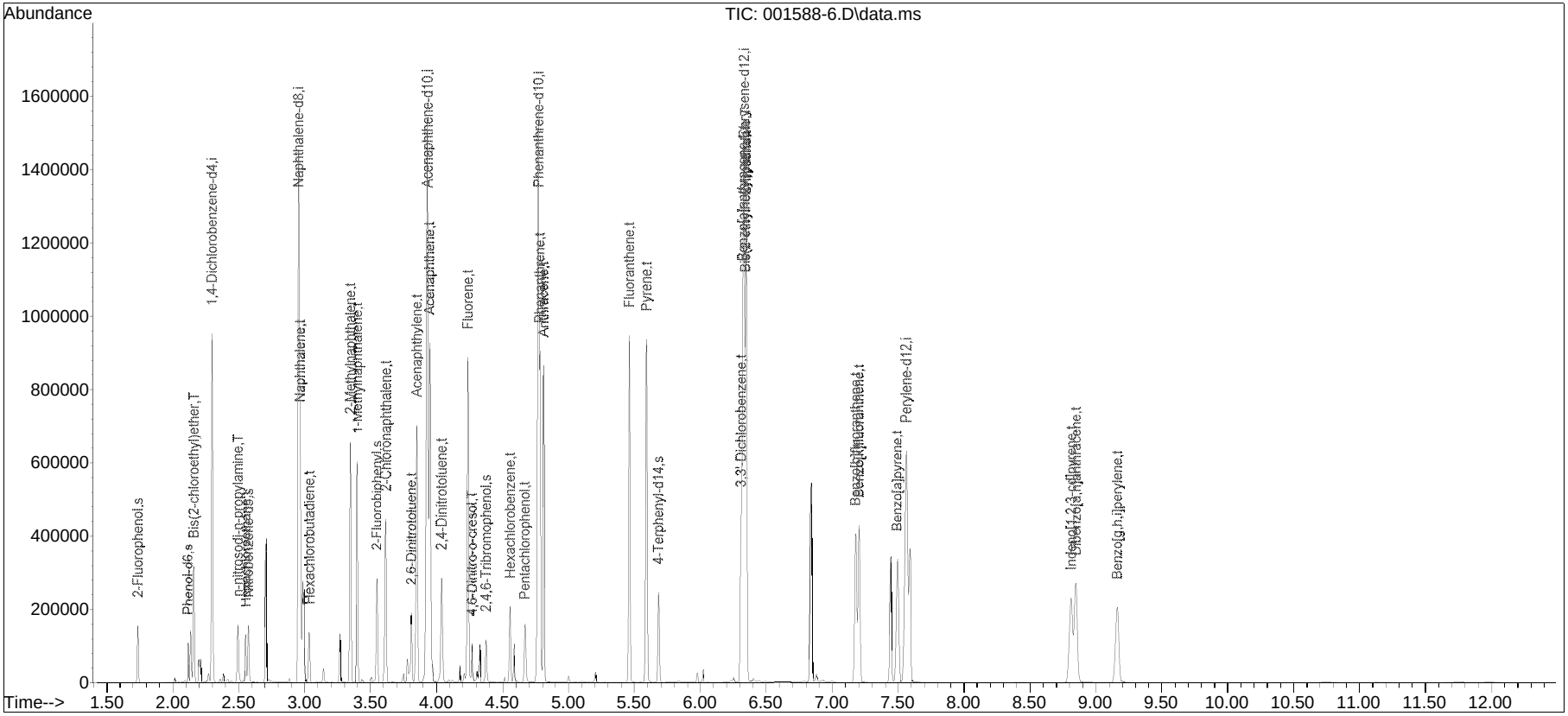
(#) = qualifier out of range (m) = manual integration (+) = signals summed

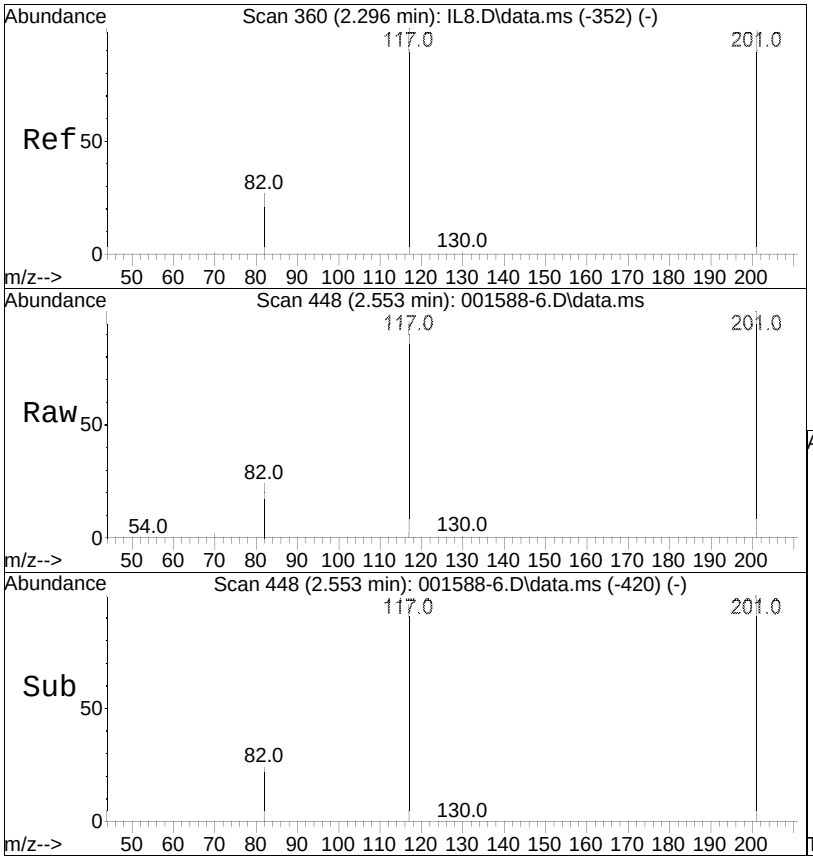
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-6.D
Acq On : 24 Nov 2024 05:10 pm
Operator : SV120:kmh
Sample : WG2001588-6,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 25 10:41:29 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1124.D•

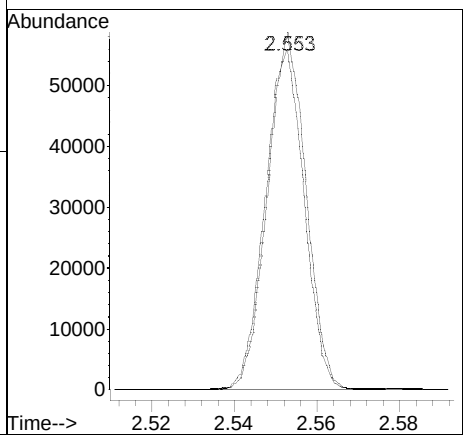


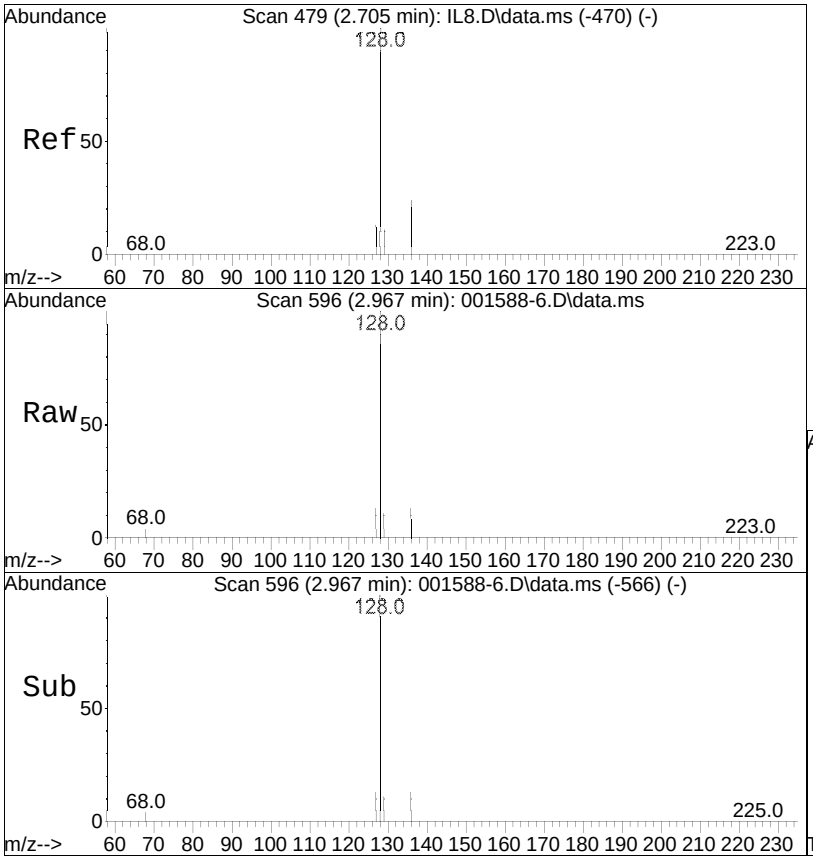


#6
Hexachloroethane
Concen: 1224.33 ng/ml
RT: 2.553 min Scan# 448
Delta R.T. -0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:117 Resp: 36189

Ion	Ratio	Lower	Upper
117	100		
201	103.5	82.0	123.0

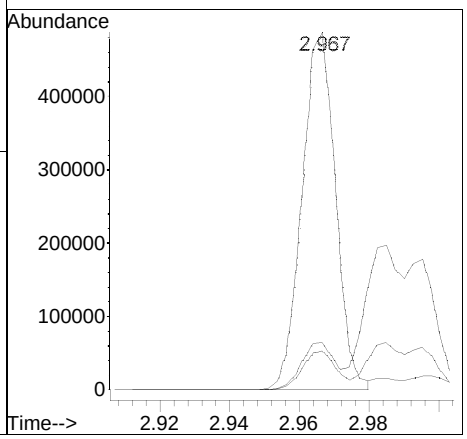


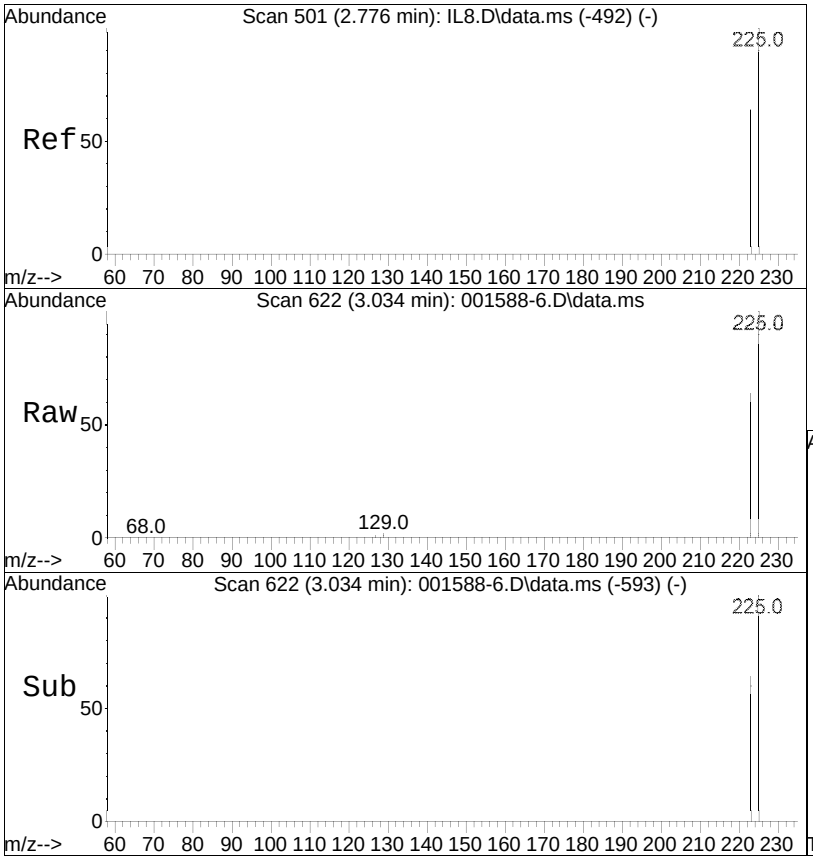


#9
Naphthalene
Concen: 1362.86 ng/ml
RT: 2.967 min Scan# 596
Delta R.T. -0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:128 Resp: 322228

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.7	16.1

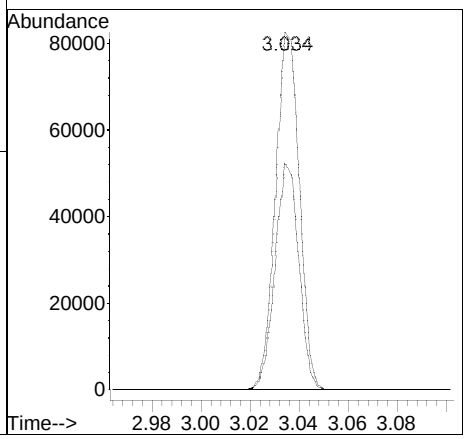


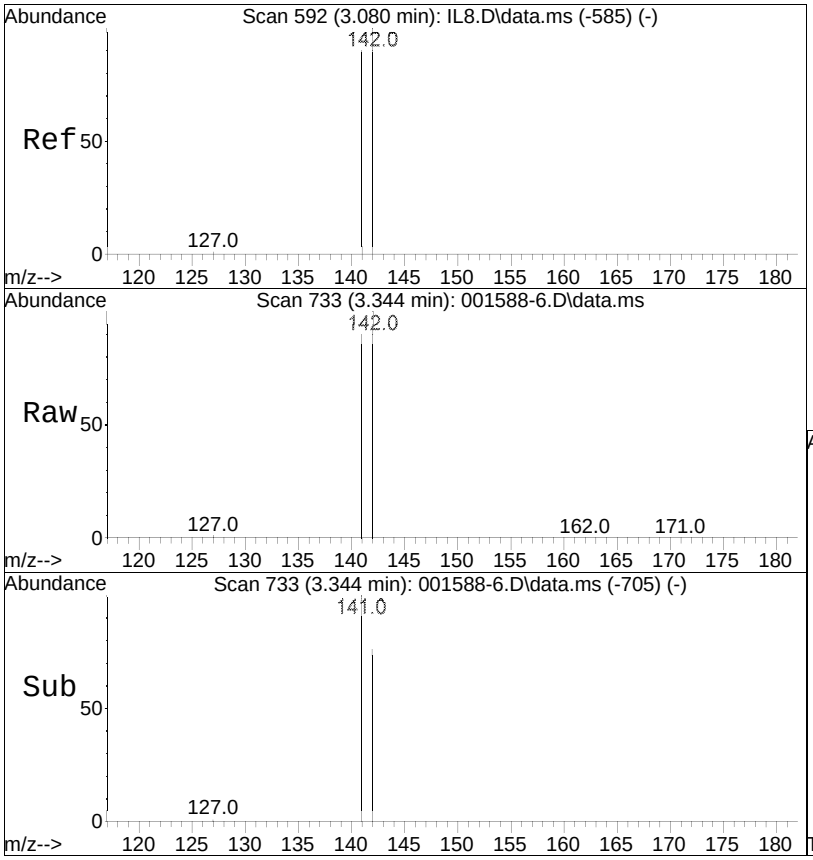


#10
Hexachlorobutadiene
Concen: 1224.79 ng/ml
RT: 3.034 min Scan# 622
Delta R.T. -0.005 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:225 Resp: 54871

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7

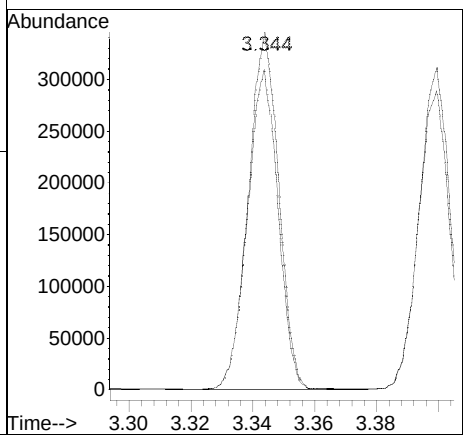


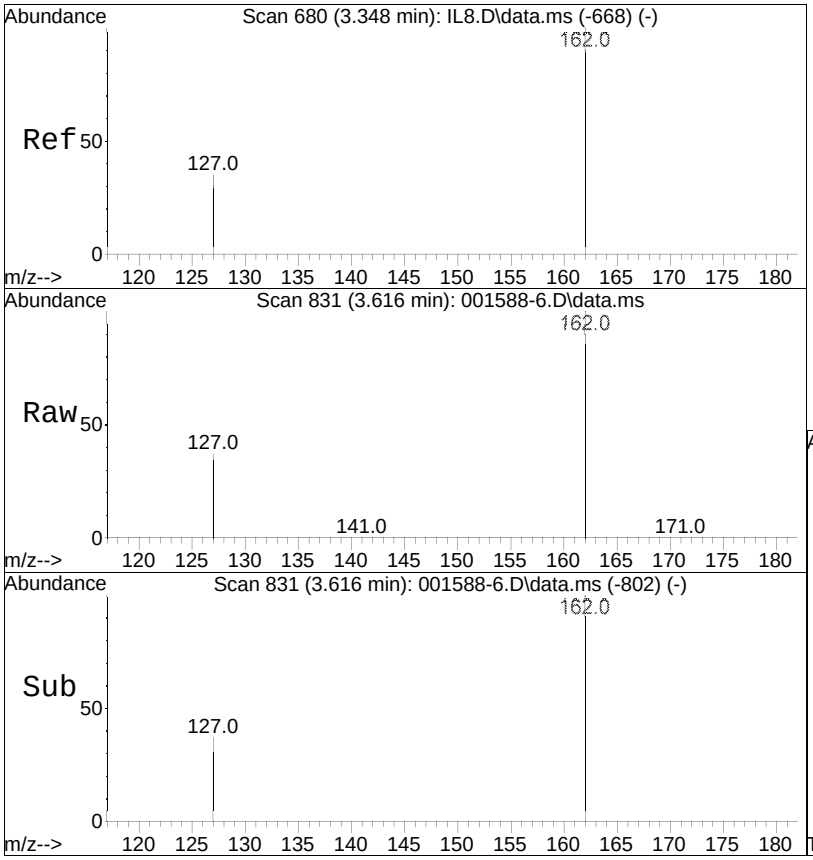


#11
2-Methylnaphthalene
Concen: 1434.01 ng/ml
RT: 3.344 min Scan# 733
Delta R.T. -0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:142 Resp: 235387

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.2	108.2

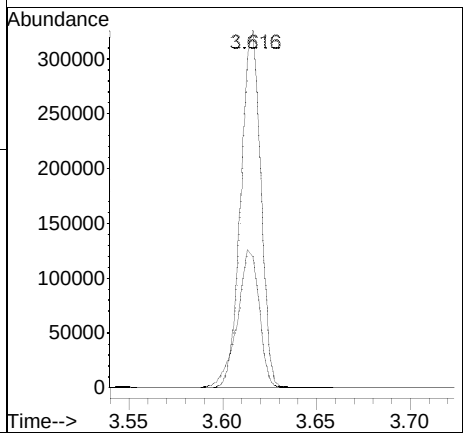


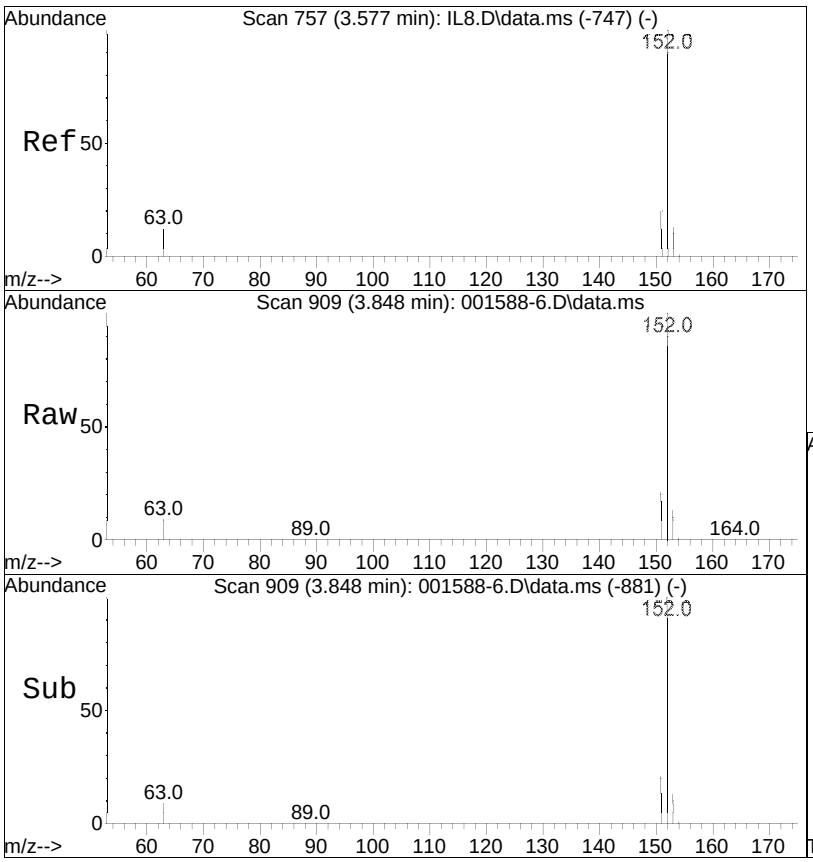


#14
2-Chloronaphthalene
Concen: 1448.29 ng/ml
RT: 3.616 min Scan# 831
Delta R.T. -0.000 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:162 Resp: 235993

Ion	Ratio	Lower	Upper
162	100		
127	43.2	31.0	46.4

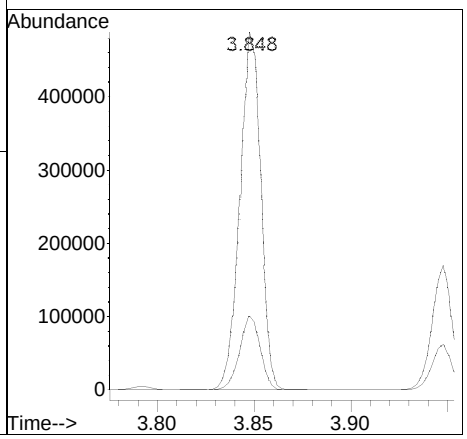


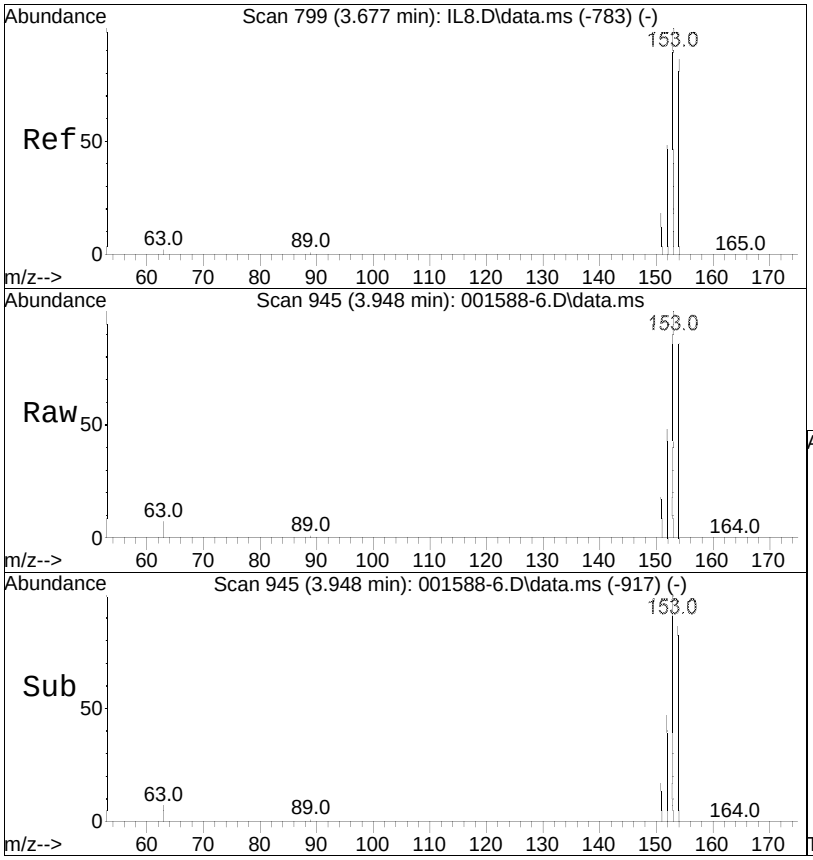


#16
Acenaphthylene
Concen: 1544.36 ng/ml
RT: 3.848 min Scan# 909
Delta R.T. -0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:152 Resp: 362820

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

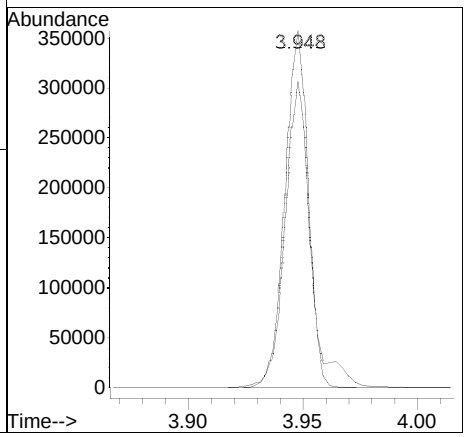


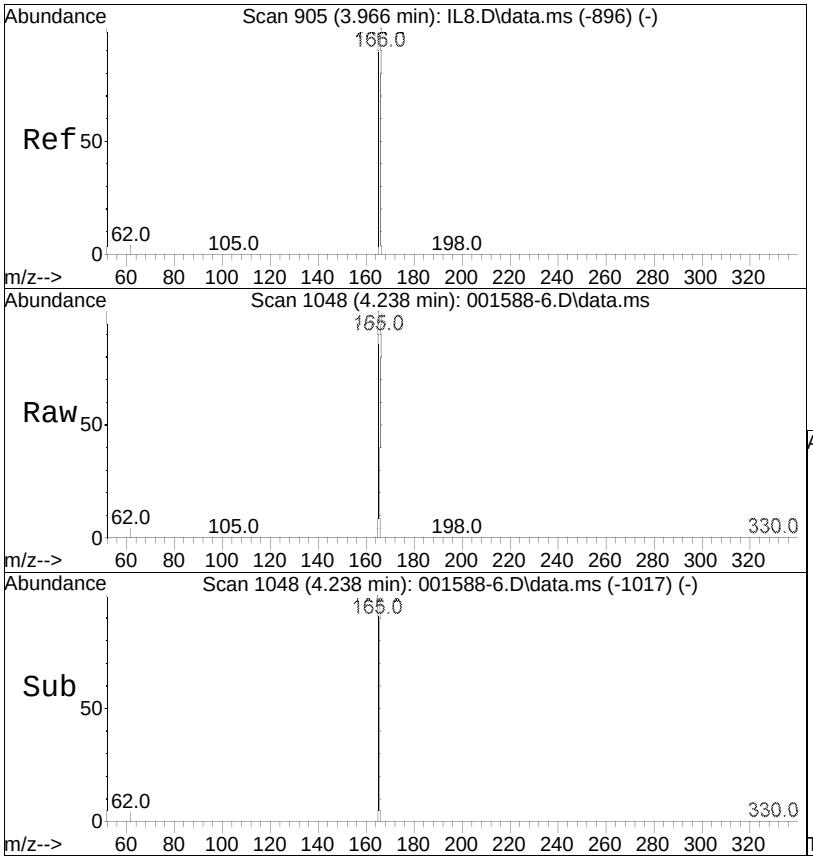


#18
Acenaphthene
Concen: 1572.05 ng/ml
RT: 3.948 min Scan# 945
Delta R.T. -0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:153 Resp: 251294

Ion	Ratio	Lower	Upper
153	100		
154	94.3	69.8	104.6

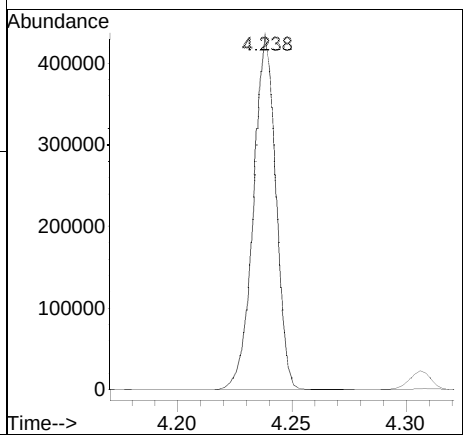


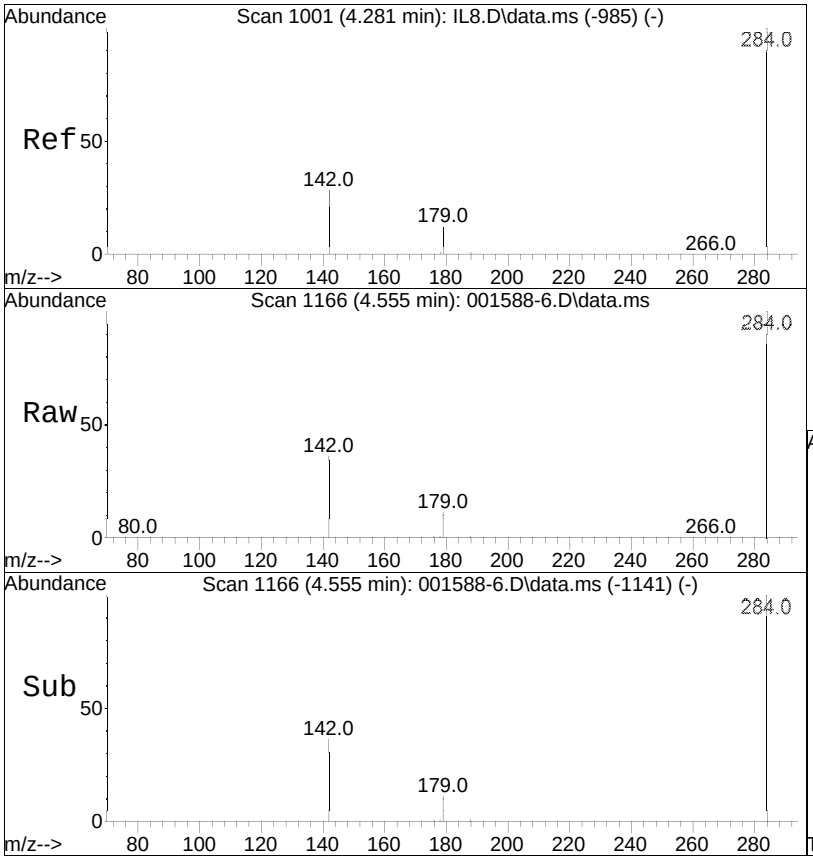


#20
Fluorene
Concen: 1704.47 ng/ml
RT: 4.238 min Scan# 1048
Delta R.T. -0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:166 Resp: 294816

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.1	120.1

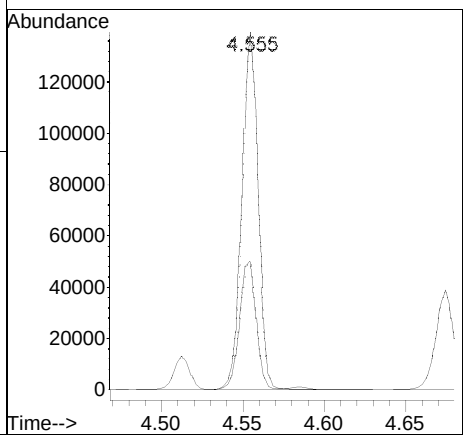


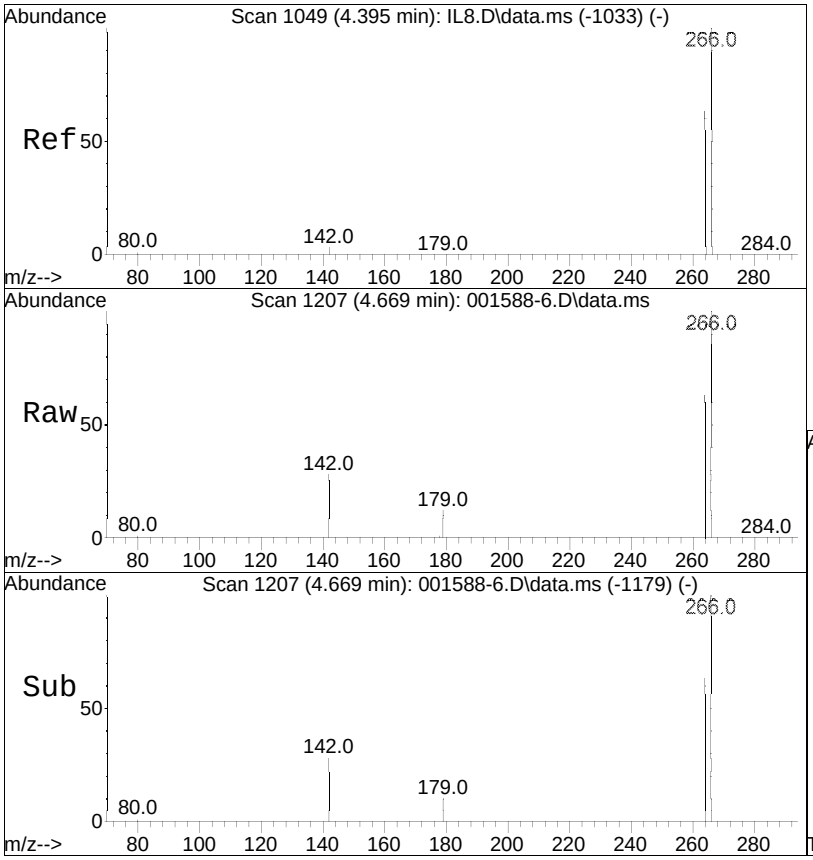


#24
Hexachlorobenzene
Concen: 1805.29 ng/ml
RT: 4.555 min Scan# 1166
Delta R.T. -0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:284 Resp: 95500

Ion	Ratio	Lower	Upper
284	100		
142	36.9	30.2	45.2

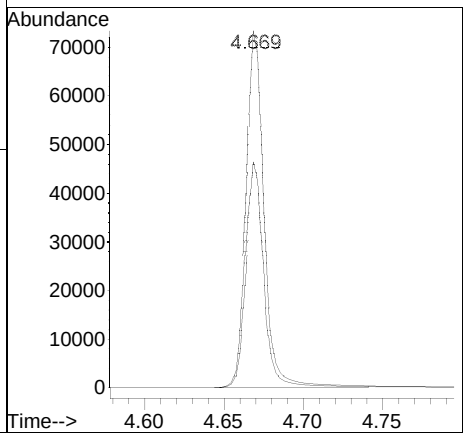


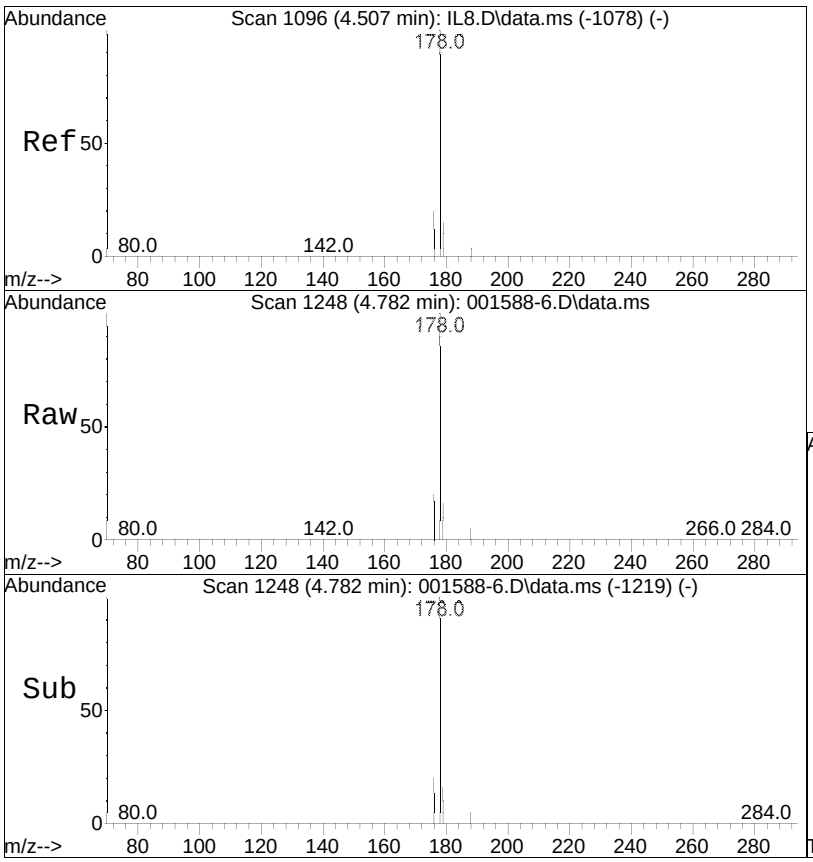


#25
Pentachlorophenol
Concen: 1907.28 ng/ml
RT: 4.669 min Scan# 1207
Delta R.T. -0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:266 Resp: 57565

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.3	75.5

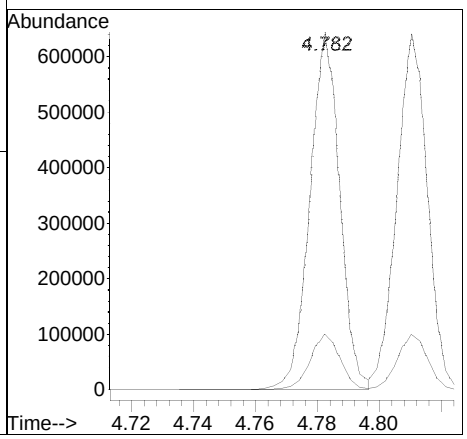


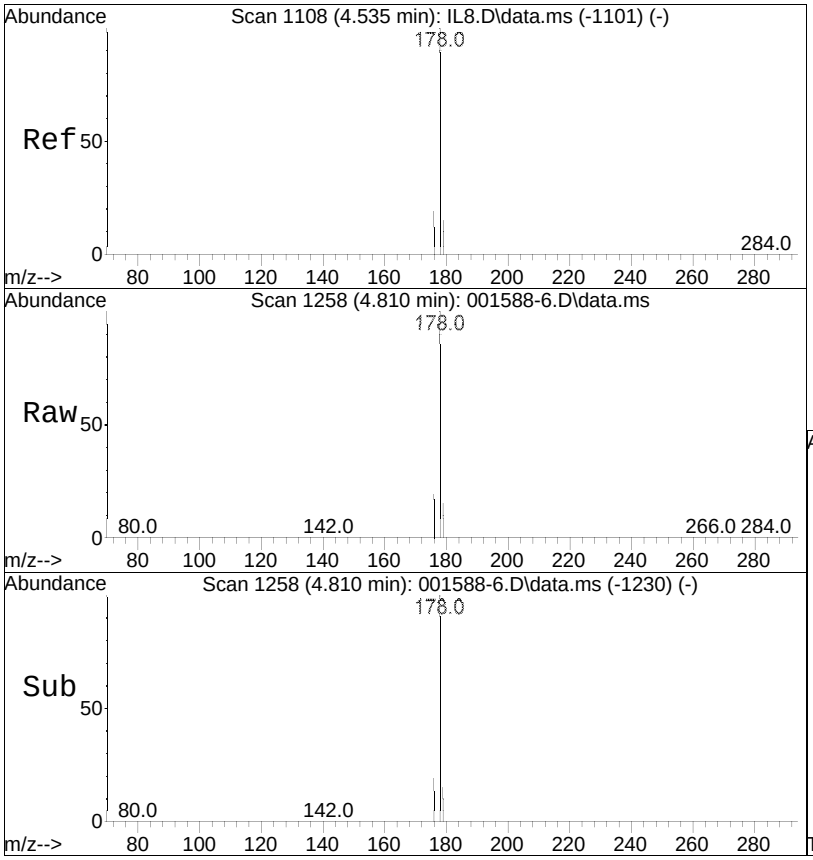


#26
Phenanthrene
Concen: 1813.23 ng/ml
RT: 4.782 min Scan# 1248
Delta R.T. -0.000 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:178 Resp: 432739

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

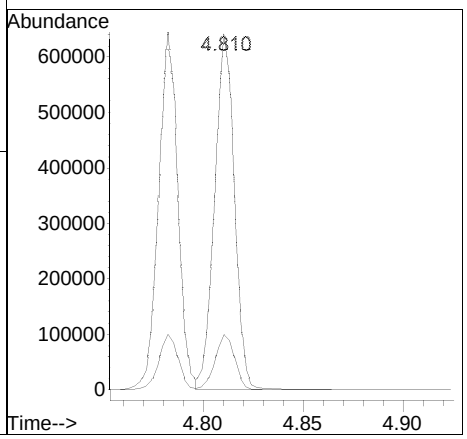


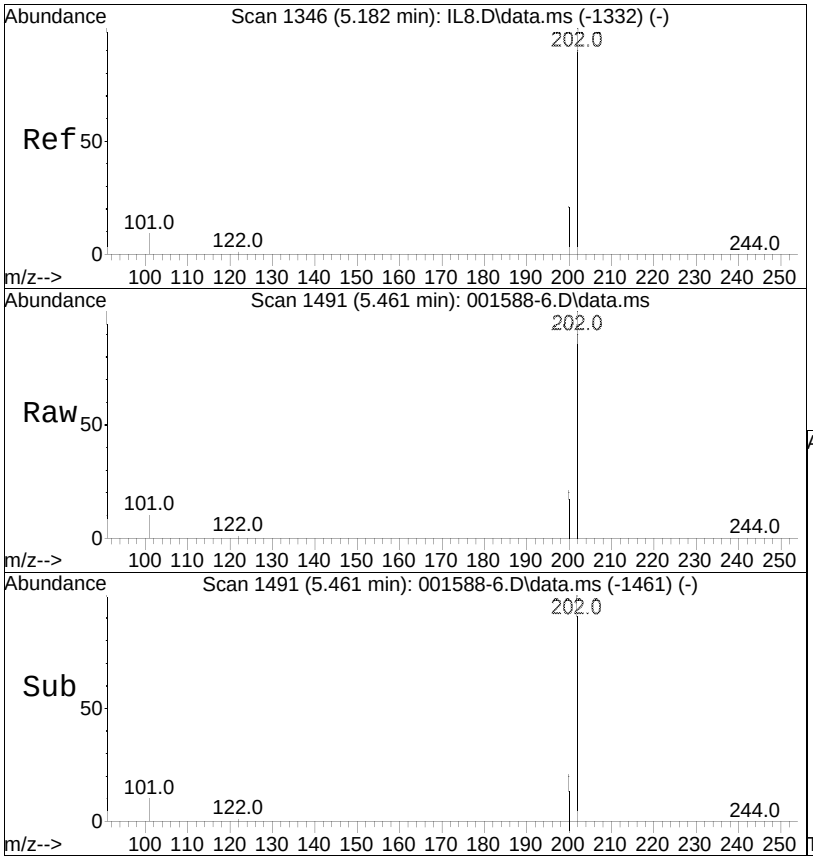


#27
Anthracene
Concen: 1785.76 ng/ml
RT: 4.810 min Scan# 1258
Delta R.T. -0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:178 Resp: 440937

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

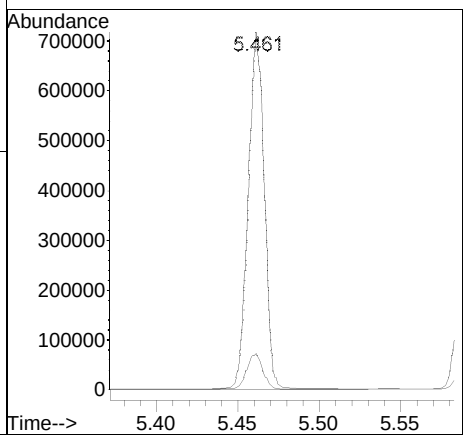


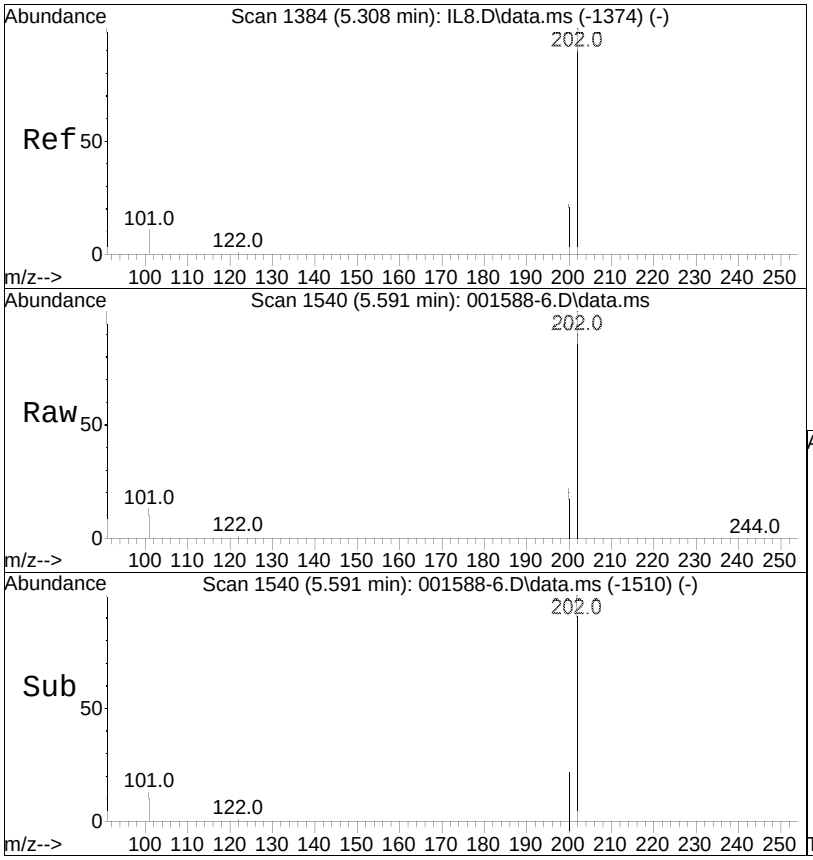


#28
Fluoranthene
Concen: 1762.79 ng/ml
RT: 5.461 min Scan# 1491
Delta R.T. -0.000 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:202 Resp: 484554

Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.8	11.6

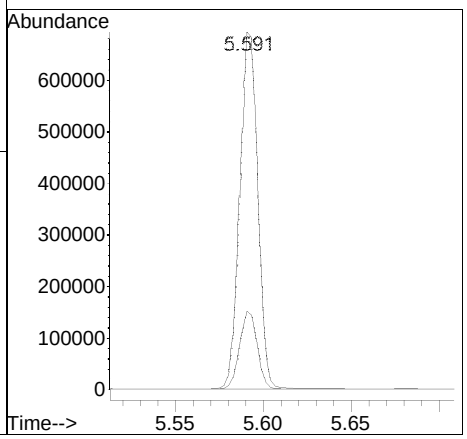


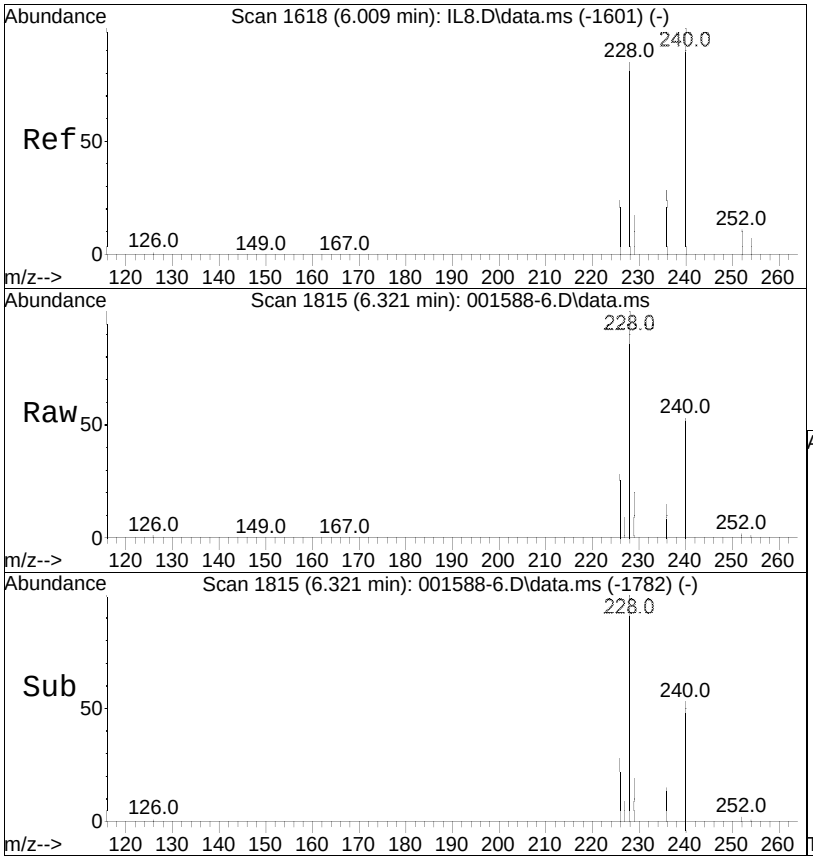


#29
Pyrene
Concen: 1716.16 ng/ml
RT: 5.591 min Scan# 1540
Delta R.T. -0.000 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:202 Resp: 486436

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3

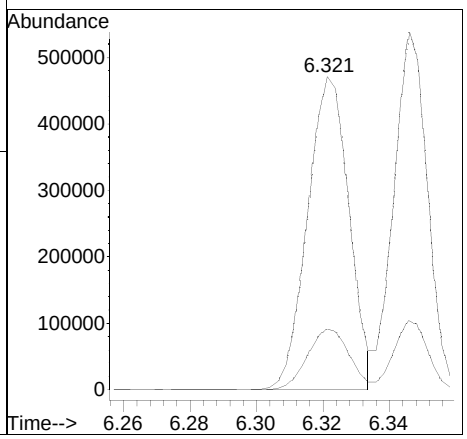


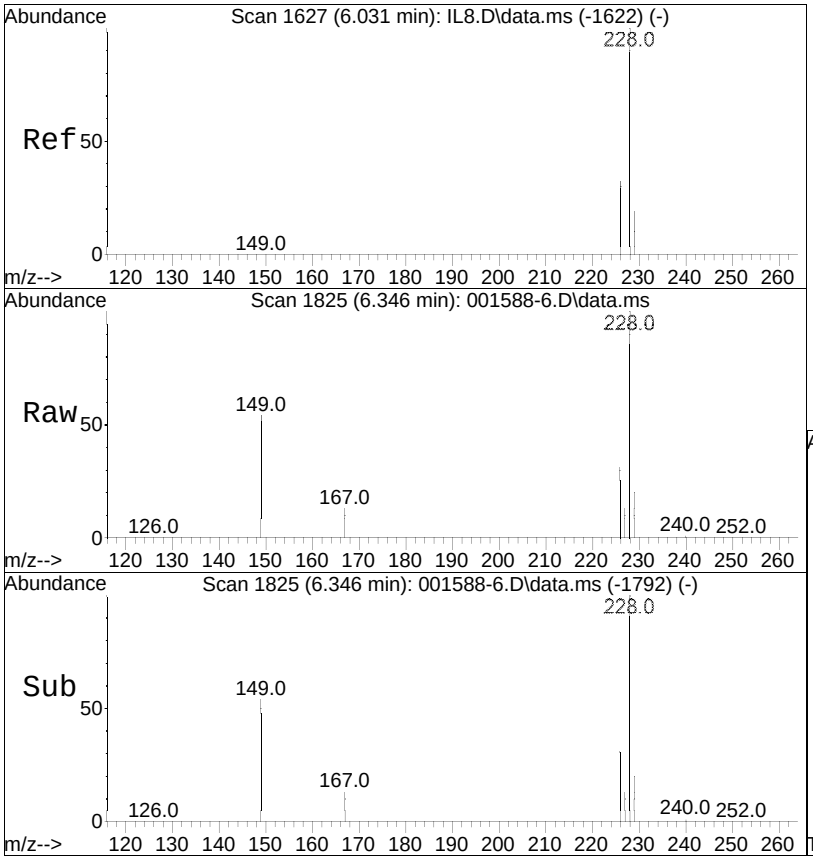


#32
Benzo[a]anthracene
Concen: 1871.17 ng/ml
RT: 6.321 min Scan# 1815
Delta R.T. 0.002 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:228 Resp: 407376

Ion	Ratio	Lower	Upper
228	100		
229	20.0	16.2	24.4

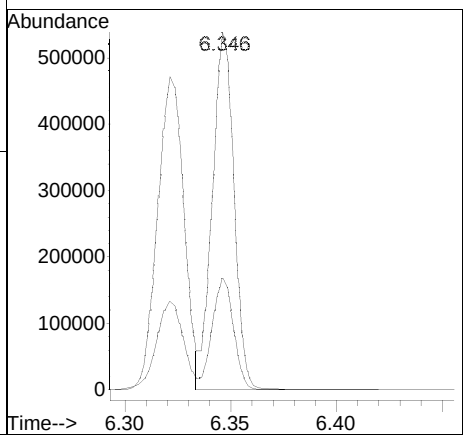


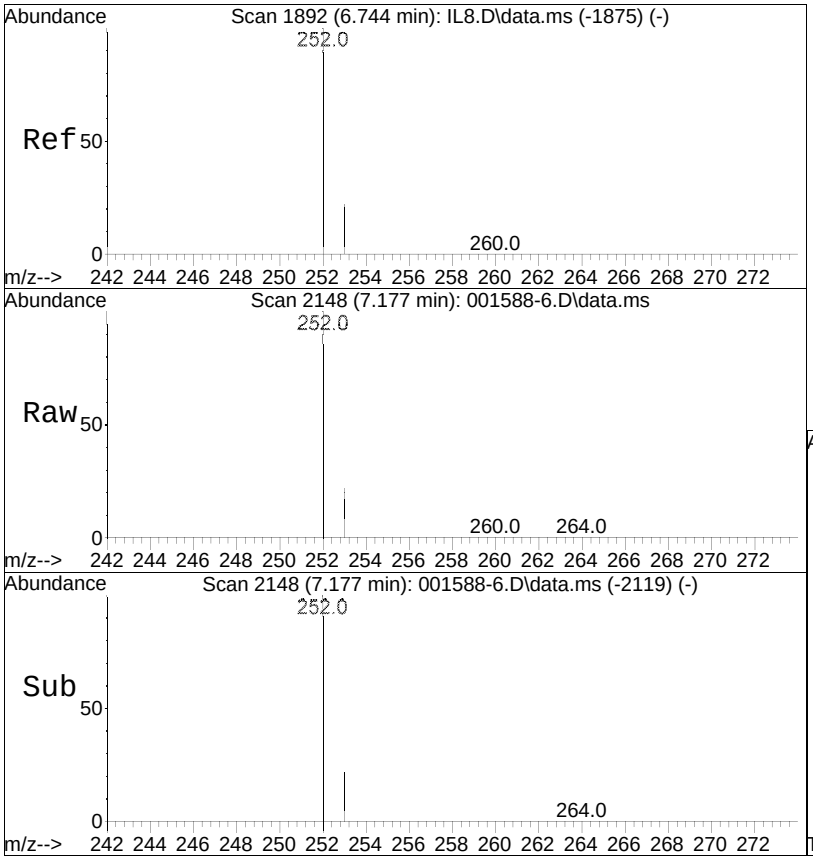


#34
Chrysene
Concen: 2014.07 ng/ml
RT: 6.346 min Scan# 1825
Delta R.T. 0.002 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:228 Resp: 379615

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3

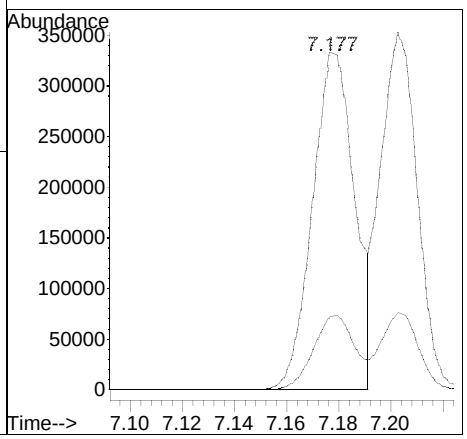


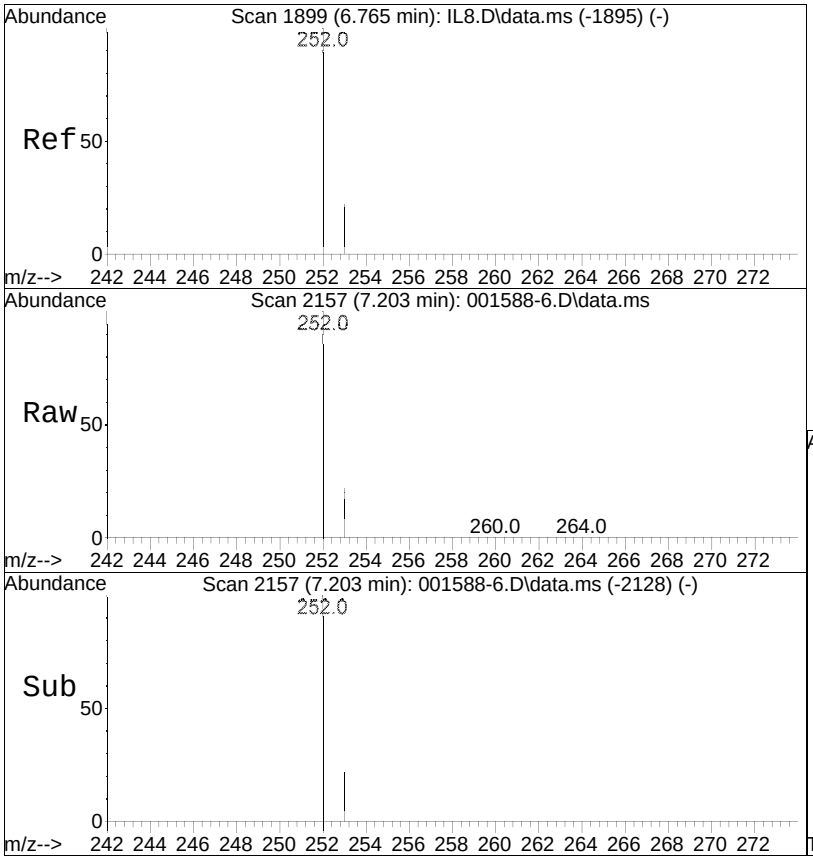


#37
Benzo[b]fluoranthene
Concen: 1926.15 ng/ml
RT: 7.177 min Scan# 2148
Delta R.T. 0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:252 Resp: 376885

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

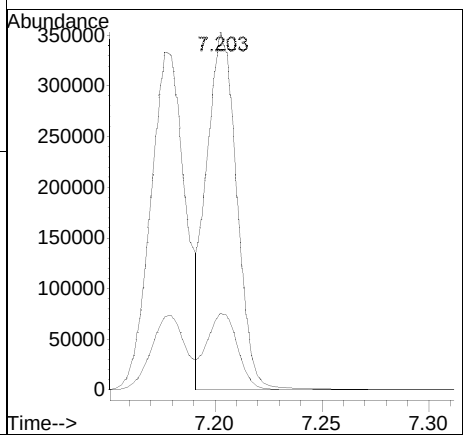


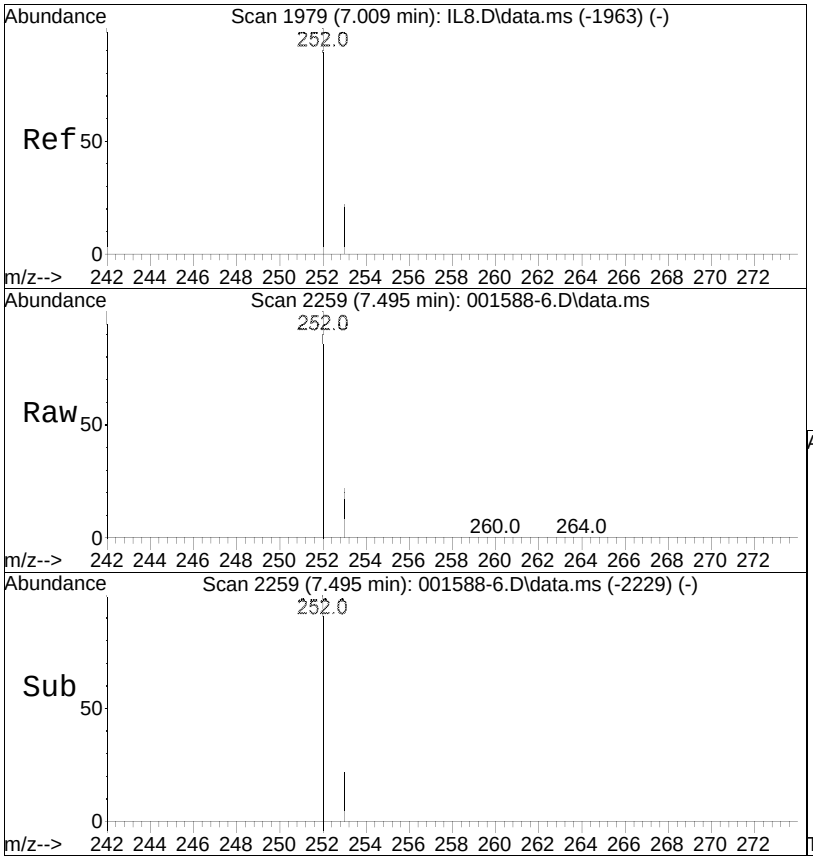


#38
Benzo[k]fluoranthene
Concen: 1935.98 ng/ml
RT: 7.203 min Scan# 2157
Delta R.T. 0.003 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:252 Resp: 340543

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

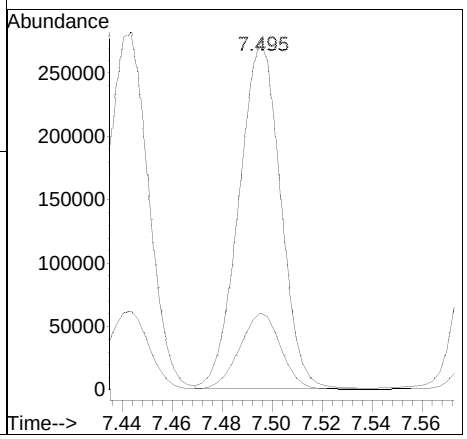


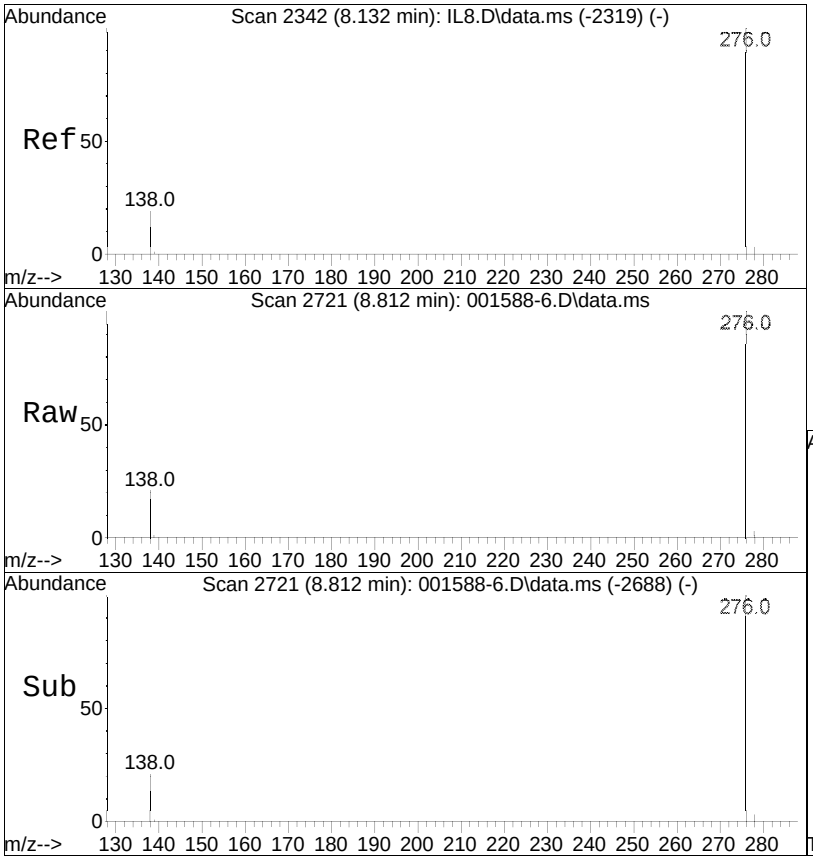


#39
Benzo[a]pyrene
Concen: 1961.30 ng/ml
RT: 7.495 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:252 Resp: 314334

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2

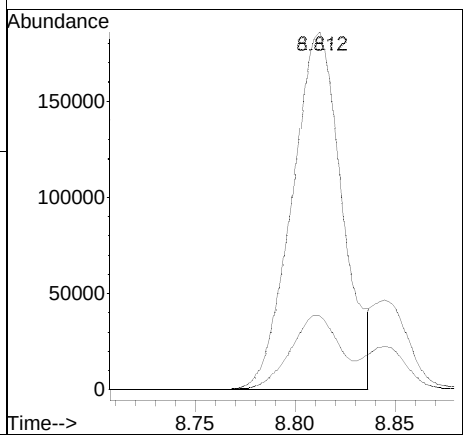


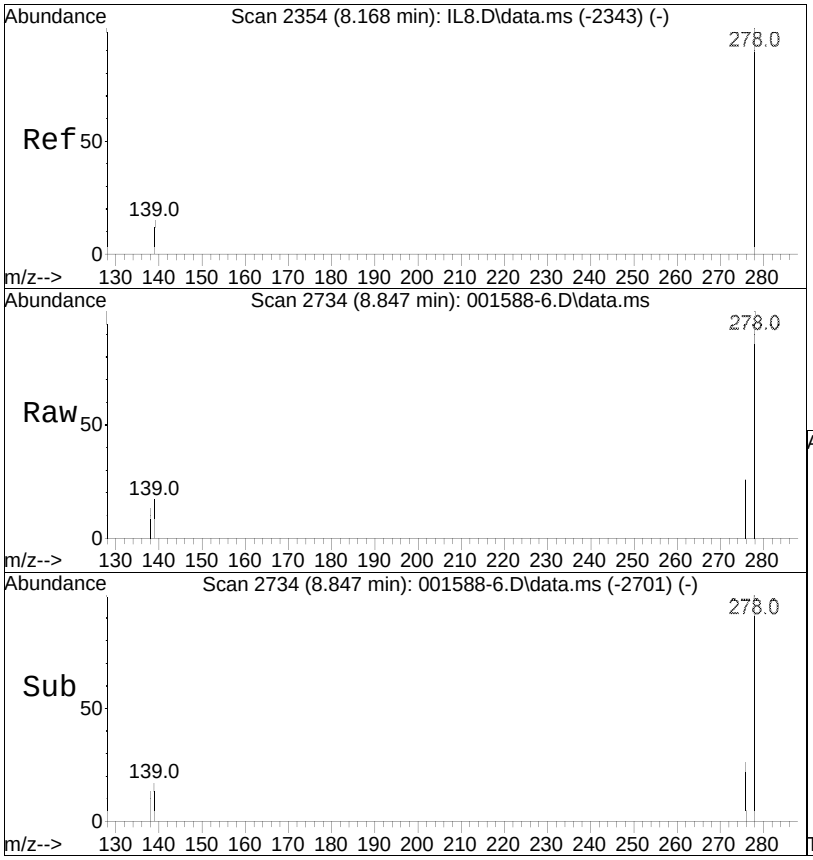


#40
Indeno[1,2,3-cd]pyrene
Concen: 1963.16 ng/ml
RT: 8.812 min Scan# 2721
Delta R.T. 0.008 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:276 Resp: 321724

Ion	Ratio	Lower	Upper
276	100		
138	20.8	15.4	23.0

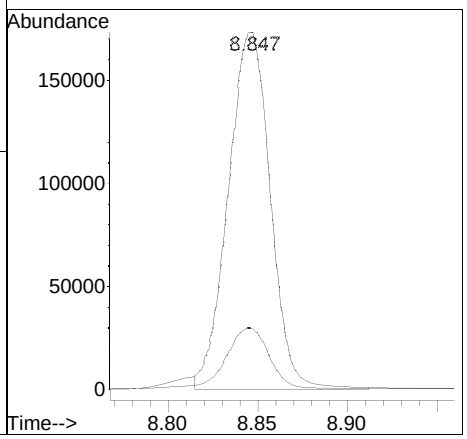


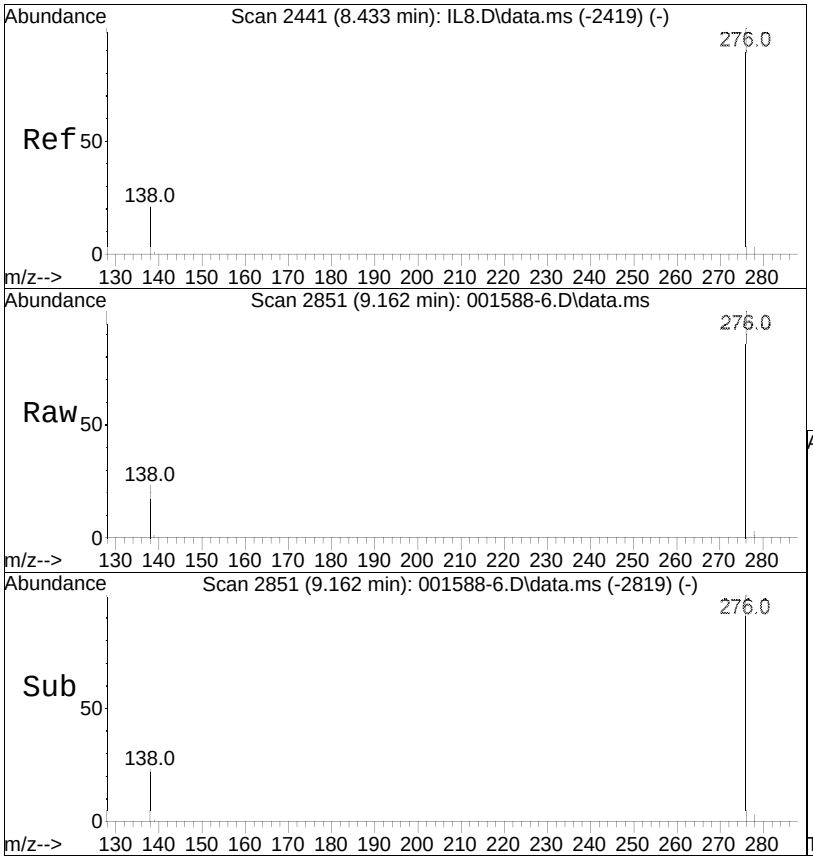


#41
Dibenzo[a,h]anthracene
Concen: 1823.65 ng/ml M6
RT: 8.847 min Scan# 2734
Delta R.T. 0.008 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:278 Resp: 280763

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.0	19.6

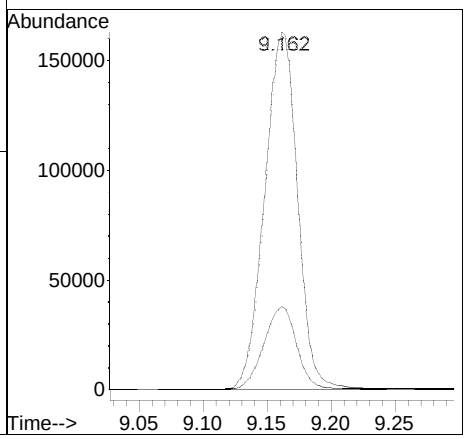




#42
Benzo[g,h,i]perylene
Concen: 1802.15 ng/ml
RT: 9.162 min Scan# 2851
Delta R.T. 0.005 min
Lab File: 001588-6.D
Acq: 24 Nov 2024 05:10 pm

Tgt Ion:276 Resp: 286839

Ion	Ratio	Lower	Upper
276	100		
138	23.4	16.6	25.0

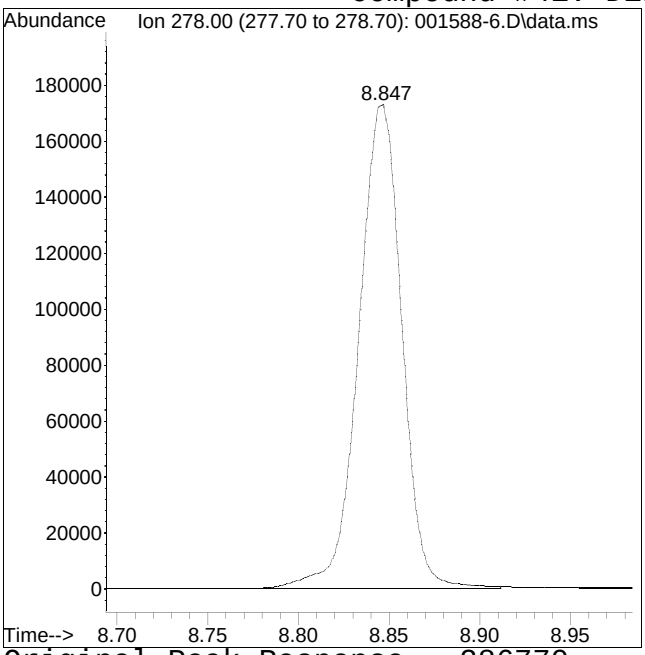


Manual Integration Report

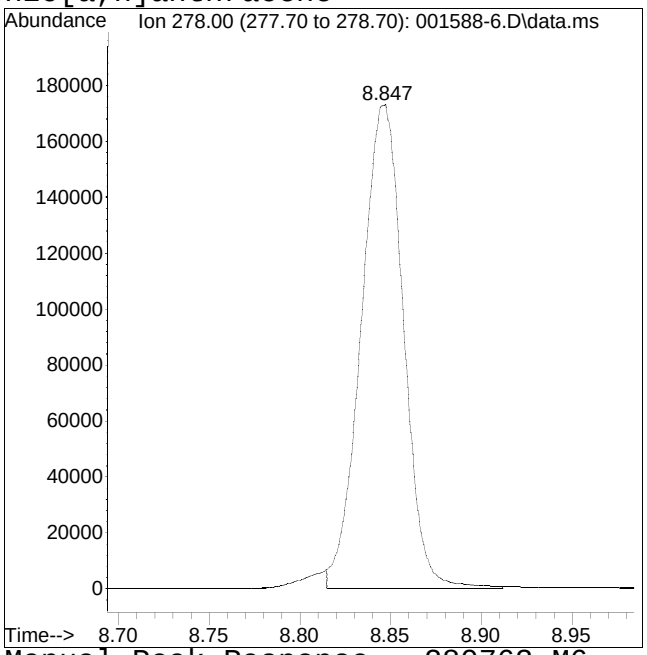
Data Path : I:\8270SIM\sv120\241124RVTQ
Data File : 001588-6.D
Date Inj'd : 11/24/2024 5:10 pm
Sample : WG2001588-6,32,,jjw

Method : SIM-RVT_241105_sv120.M
Operator : SV120:kmh
Instrument : SV120
Quant Date : 11/24/2024 5:23 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 286770



Manual Peak Response = 280763 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-7.D
Acq On : 24 Nov 2024 05:26 pm
Operator : SV120:kmh
Sample : WG2001588-7,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 25 10:42:42 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.297	152	251286	4000.000	ng/ml	0.00
Standard Area 1 = 217001			Recovery	= 115.80%		
8) Naphthalene-d8	2.956	136	1043515	4000.000	ng/ml	# 0.00
Standard Area 1 = 867141			Recovery	= 120.34%		
17) Acenaphthene-d10	3.931	164	574182	4000.000	ng/ml	0.00
Standard Area 1 = 513045			Recovery	= 111.92%		
22) Phenanthrene-d10	4.772	188	1047132	4000.000	ng/ml	0.00
Standard Area 1 = 1011820			Recovery	= 103.49%		
31) Chrysene-d12	6.329	240	718842	4000.000	ng/ml	0.00
Standard Area 1 = 870473			Recovery	= 82.58%		
36) Perylene-d12	7.559	264	637546	4000.000	ng/ml	0.00
Standard Area 1 = 832237			Recovery	= 76.61%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.739	112	62898	850.370	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 42.52%		
3) Phenol-d6	2.117	99	56039	616.602	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 30.83%		
7) Nitrobenzene-d5	2.575	82	67159	837.052	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 83.71%		
13) 2-Fluorobiphenyl	3.550	172	165325	786.040	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 78.60%		
21) 2,4,6-Tribromophenol	4.376	330	46205	2021.471	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 101.07%		
30) 4-Terphenyl-d14	5.681	244	158635	833.154	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 41.66%		
Target Compounds						Qvalue
6) Hexachloroethane	2.553	117	41245	1253.743	ng/ml	99
9) Naphthalene	2.967	128	362414	1389.323	ng/ml	100
10) Hexachlorobutadiene	3.034	225	62456	1263.584	ng/ml	100
11) 2-Methylnaphthalene	3.344	142	265428	1465.639	ng/ml	100
14) 2-Chloronaphthalene	3.616	162	262949	1462.644	ng/ml	92
16) Acenaphthylene	3.848	152	401061	1547.318	ng/ml	100
18) Acenaphthene	3.948	153	276678	1596.406	ng/ml	93
20) Fluorene	4.239	166	321090	1712.184	ng/ml	99
24) Hexachlorobenzene	4.555	284	103184	1865.507	ng/ml	98
25) Pentachlorophenol	4.669	266	60452	1915.018	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-7.D
Acq On : 24 Nov 2024 05:26 pm
Operator : SV120:kmh
Sample : WG2001588-7,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 25 10:42:42 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241124RVT\ccv1124.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.783	178	462998	1855.445	ng/ml	100
27) Anthracene	4.811	178	466339	1806.301	ng/ml	100
28) Fluoranthene	5.462	202	505259	1757.985	ng/ml	98
29) Pyrene	5.591	202	508666	1716.354	ng/ml	99
32) Benzo[a]anthracene	6.321	228	418832	1905.536	ng/ml	99
34) Chrysene	6.344	228	377361	1982.933	ng/ml	100
37) Benzo[b]fluoranthene	7.177	252	367636	1900.398	ng/ml	100
38) Benzo[k]fluoranthene	7.200	252	348996	2006.764	ng/ml	100
39) Benzo[a]pyrene	7.493	252	312330	1971.114	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.807	276	311650	1923.474	ng/ml	97
41) Dibenzo[a,h]anthracene	8.842	278	277072M6	1820.291	ng/ml	
42) Benzo[g,h,i]perylene	9.159	276	282393	1794.542	ng/ml	94

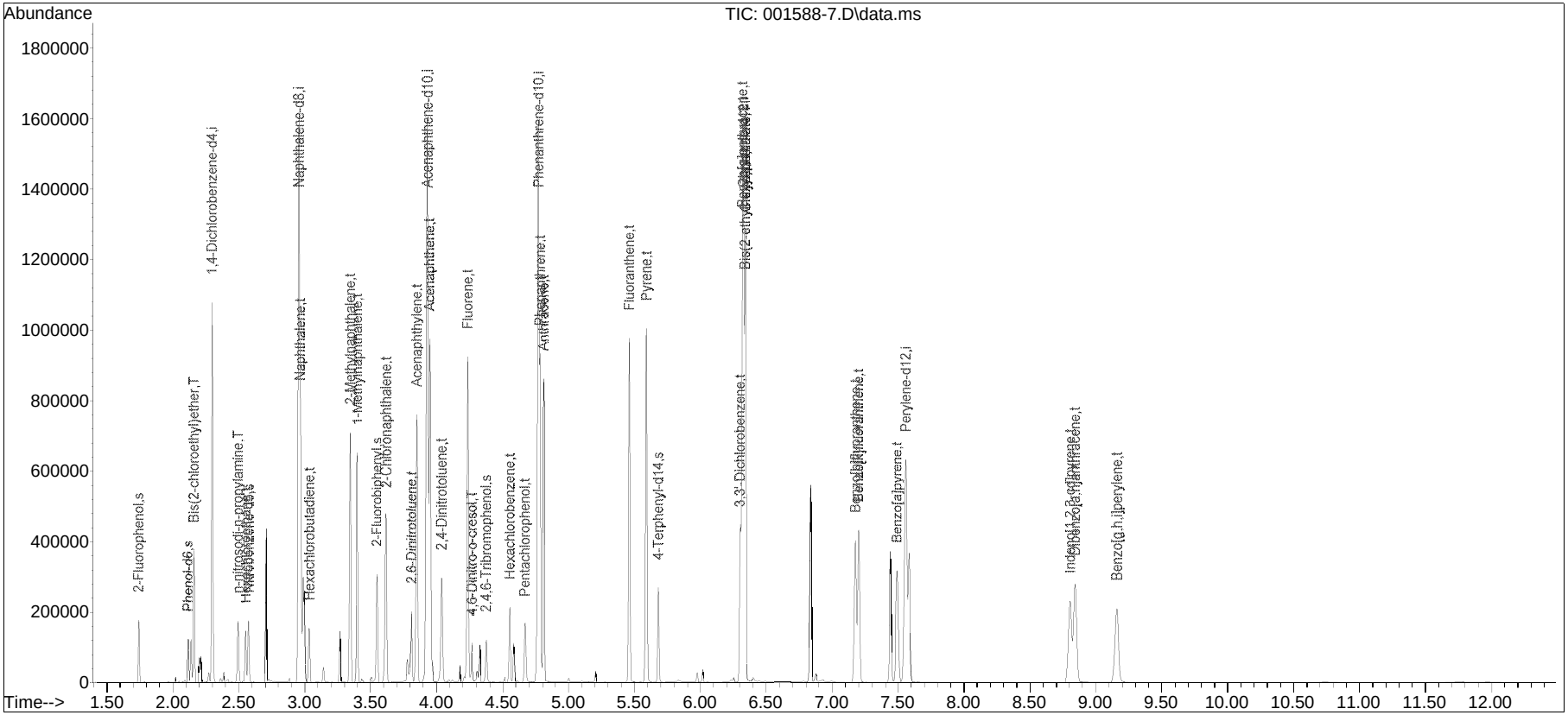
(#) = qualifier out of range (m) = manual integration (+) = signals summed

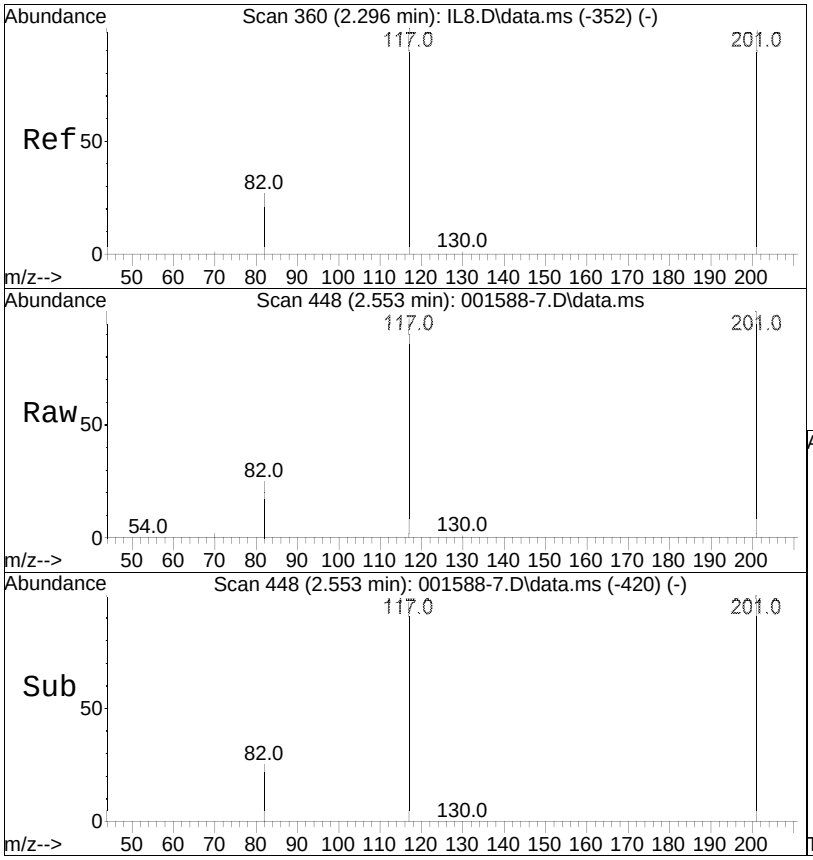
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241124RVT\
Data File : 001588-7.D
Acq On : 24 Nov 2024 05:26 pm
Operator : SV120:kmh
Sample : WG2001588-7,32,,jjw
Misc : WG2001670,WG2001588,ical21668
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 25 10:42:42 2024
Quant Method : I:\8270sim\sv120\241124RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Nov 24 10:38:34 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1124.D•

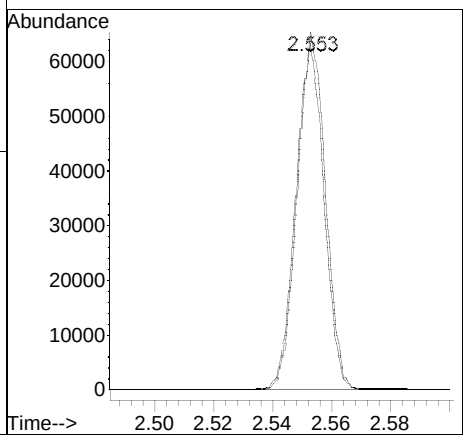


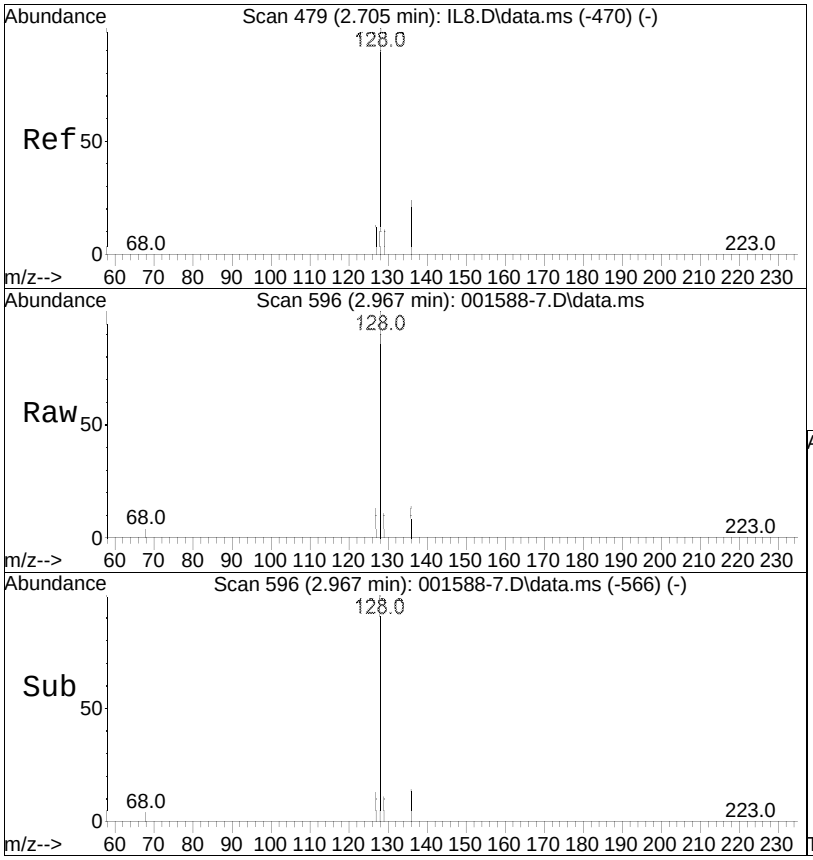


#6
Hexachloroethane
Concen: 1253.74 ng/ml
RT: 2.553 min Scan# 448
Delta R.T. -0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:117 Resp: 41245

Ion	Ratio	Lower	Upper
117	100		
201	103.3	82.0	123.0

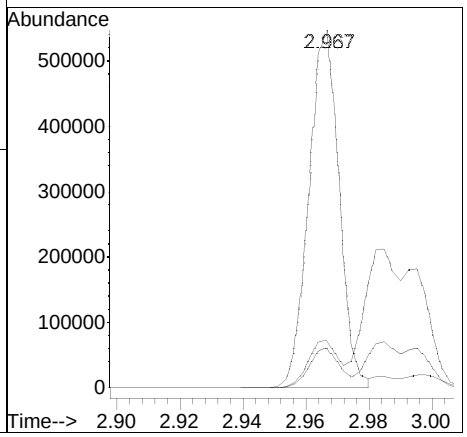


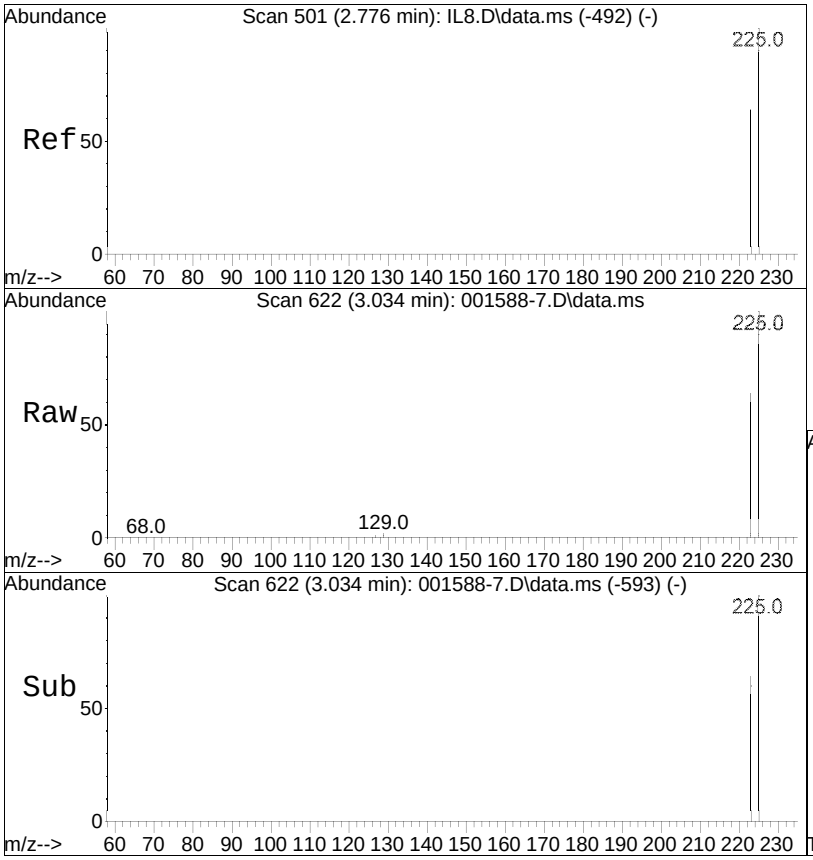


#9
Naphthalene
Concen: 1389.32 ng/ml
RT: 2.967 min Scan# 596
Delta R.T. -0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:128 Resp: 362414

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.3	10.7	16.1

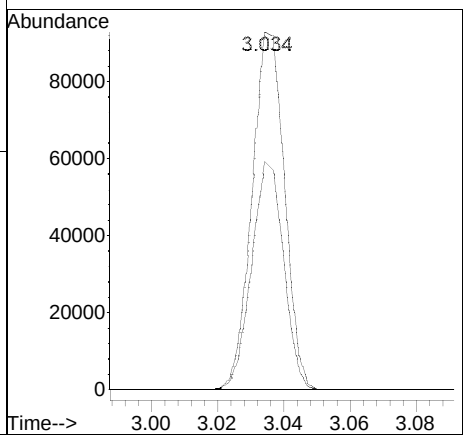


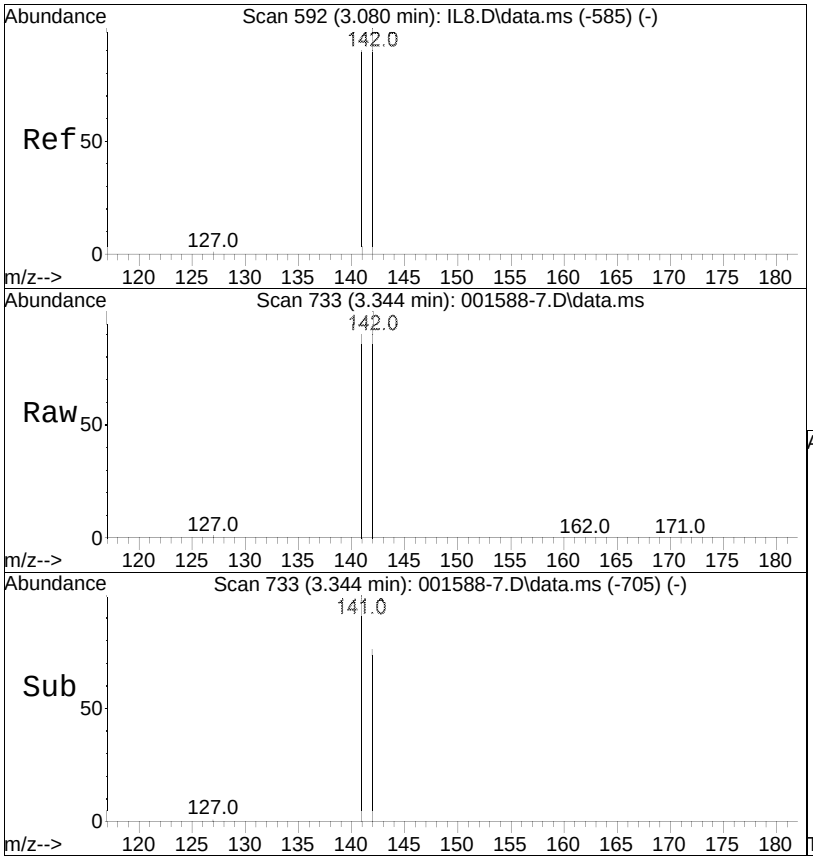


#10
Hexachlorobutadiene
Concen: 1263.58 ng/ml
RT: 3.034 min Scan# 622
Delta R.T. -0.005 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:225 Resp: 62456

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7

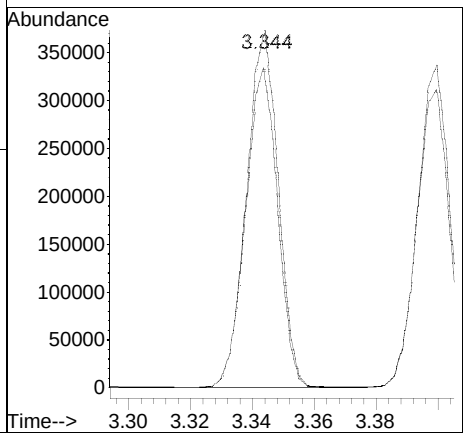


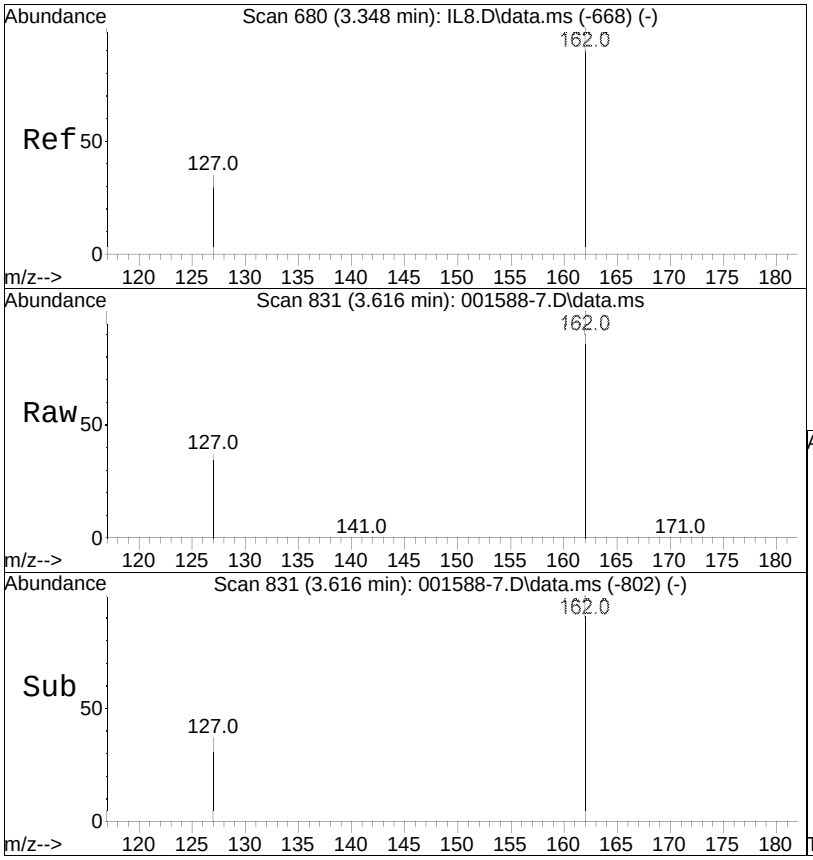


#11
2-Methylnaphthalene
Concen: 1465.64 ng/ml
RT: 3.344 min Scan# 733
Delta R.T. -0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:142 Resp: 265428

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.2	108.2

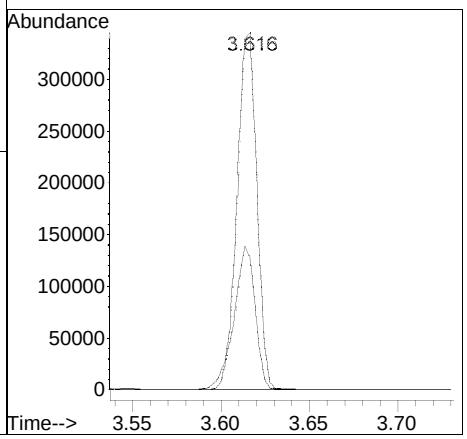


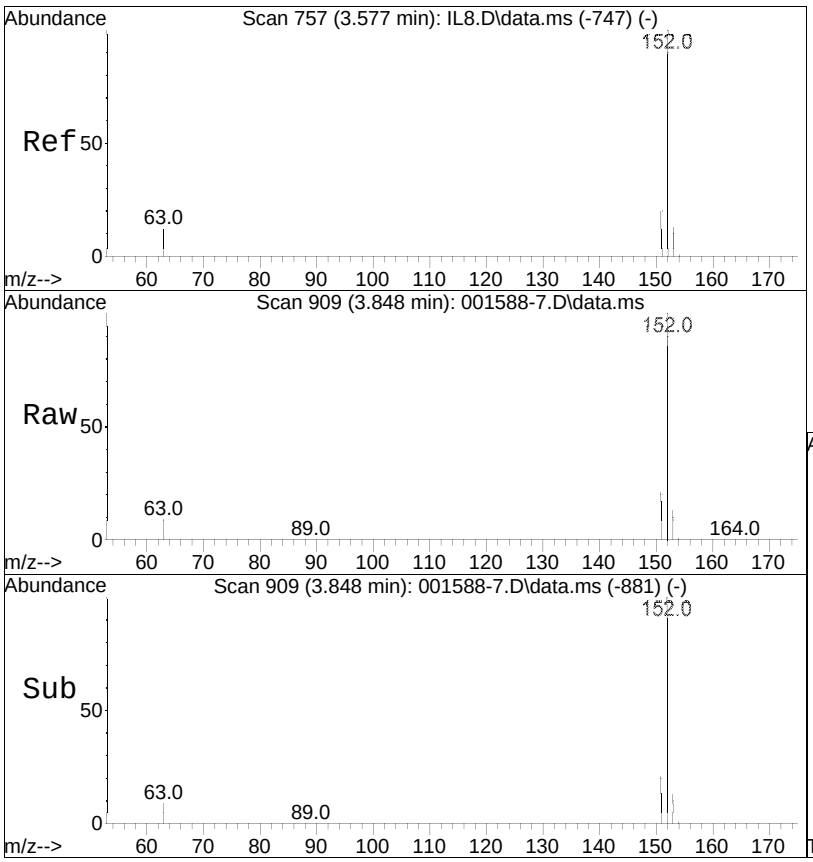


#14
2-Chloronaphthalene
Concen: 1462.64 ng/ml
RT: 3.616 min Scan# 831
Delta R.T. 0.000 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:162 Resp: 262949

Ion	Ratio	Lower	Upper
162	100		
127	43.5	31.0	46.4

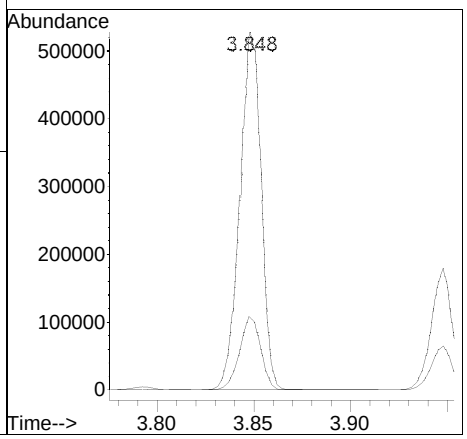


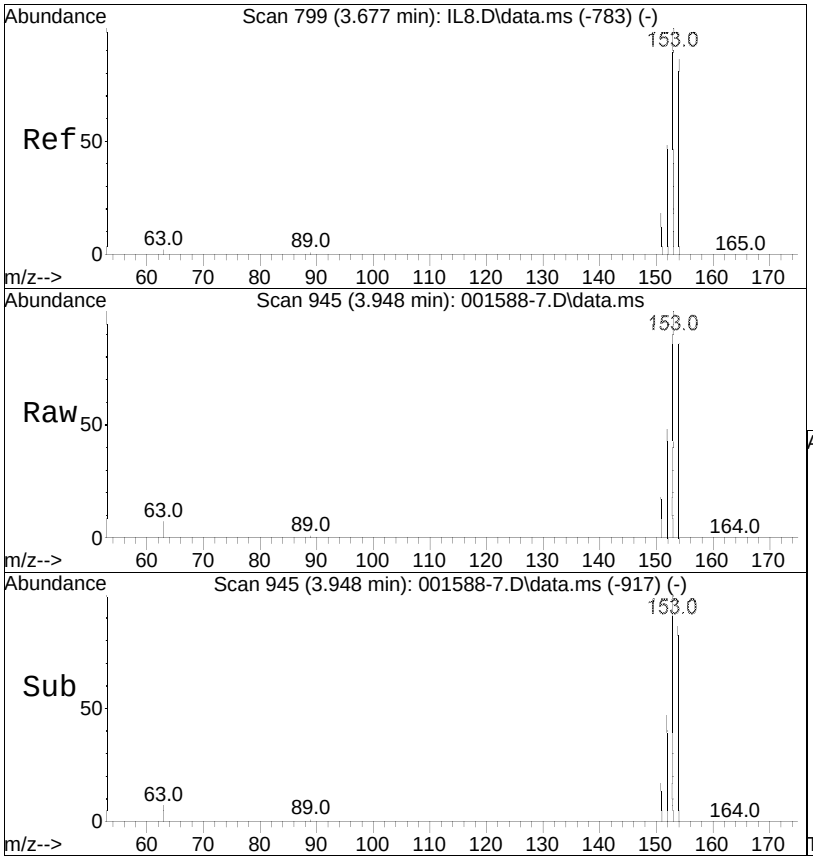


#16
Acenaphthylene
Concen: 1547.32 ng/ml
RT: 3.848 min Scan# 909
Delta R.T. -0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:152 Resp: 401061

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

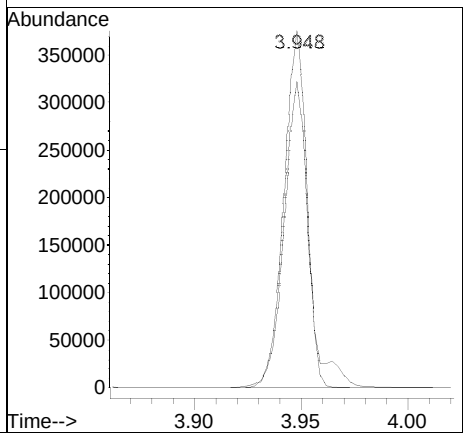


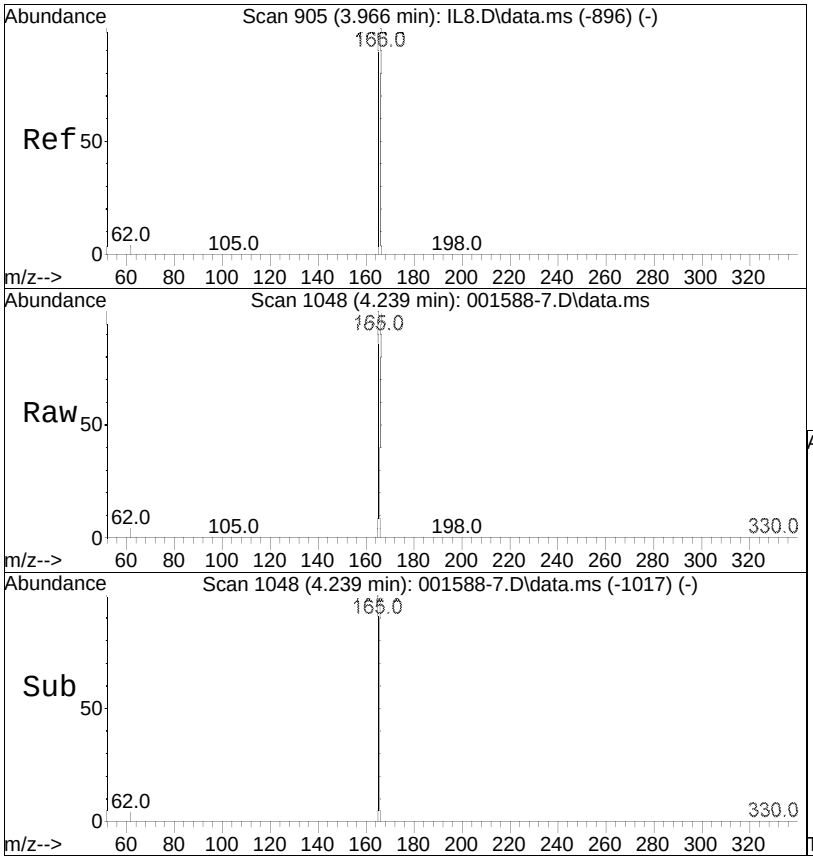


#18
Acenaphthene
Concen: 1596.41 ng/ml
RT: 3.948 min Scan# 945
Delta R.T. -0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:153 Resp: 276678

Ion	Ratio	Lower	Upper
153	100		
154	93.9	69.8	104.6

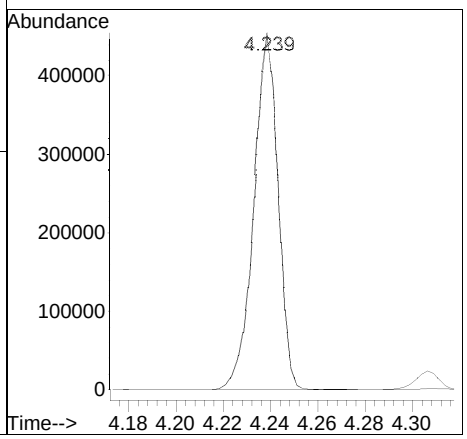


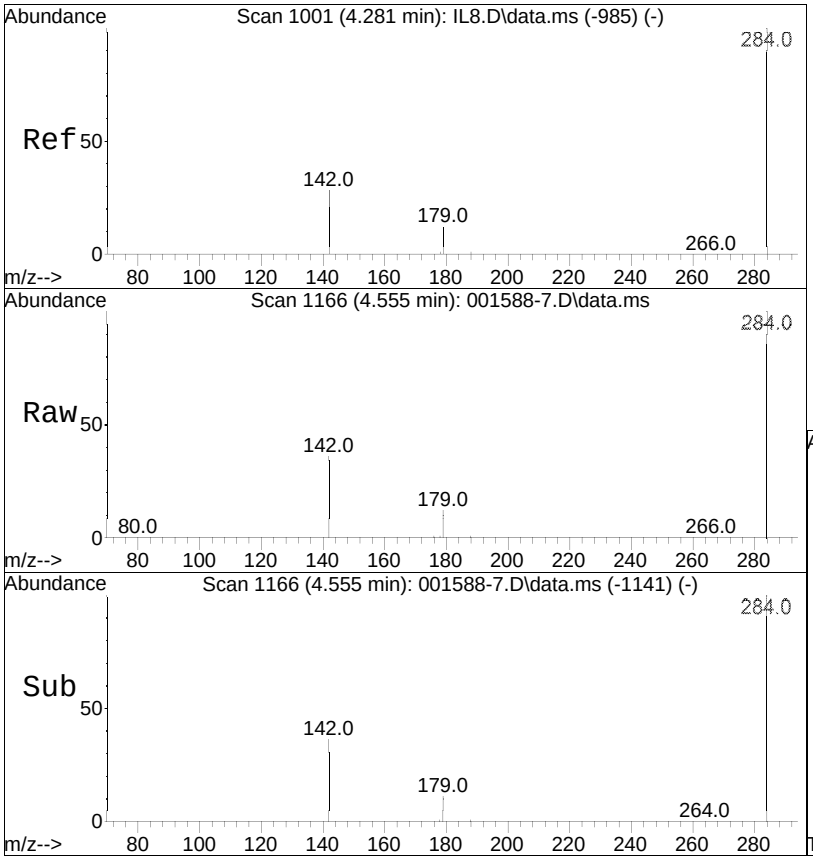


#20
Fluorene
Concen: 1712.18 ng/ml
RT: 4.239 min Scan# 1048
Delta R.T. -0.002 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:166 Resp: 321090

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.1	120.1

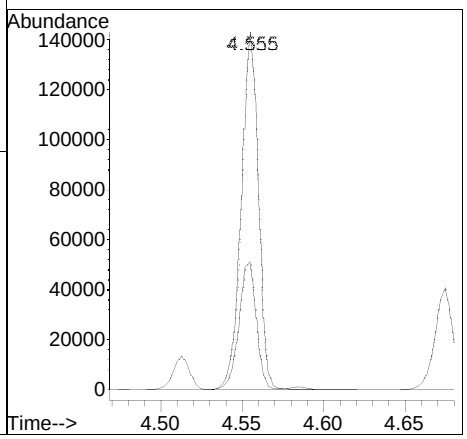


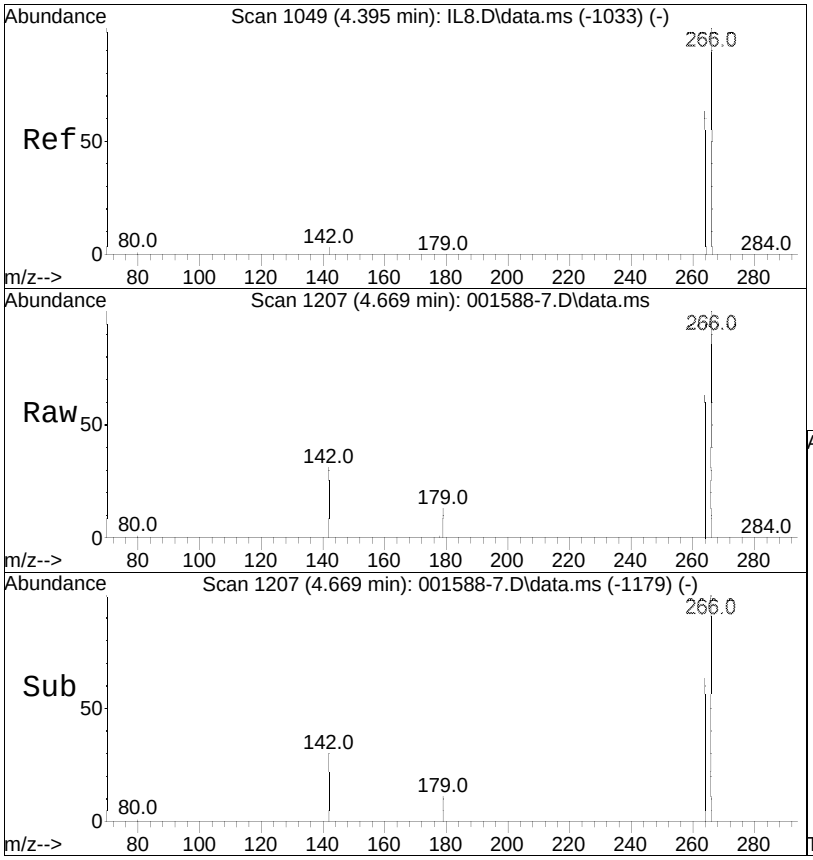


#24
Hexachlorobenzene
Concen: 1865.51 ng/ml
RT: 4.555 min Scan# 1166
Delta R.T. -0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:284 Resp: 103184

Ion	Ratio	Lower	Upper
284	100		
142	36.5	30.2	45.2

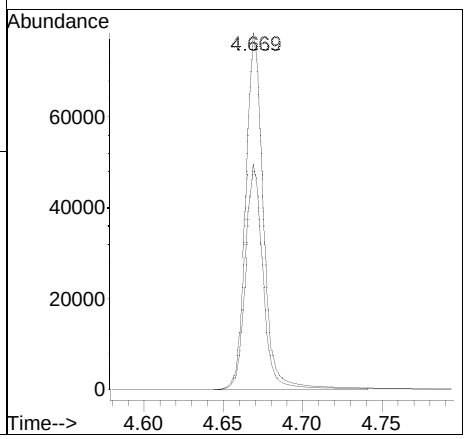


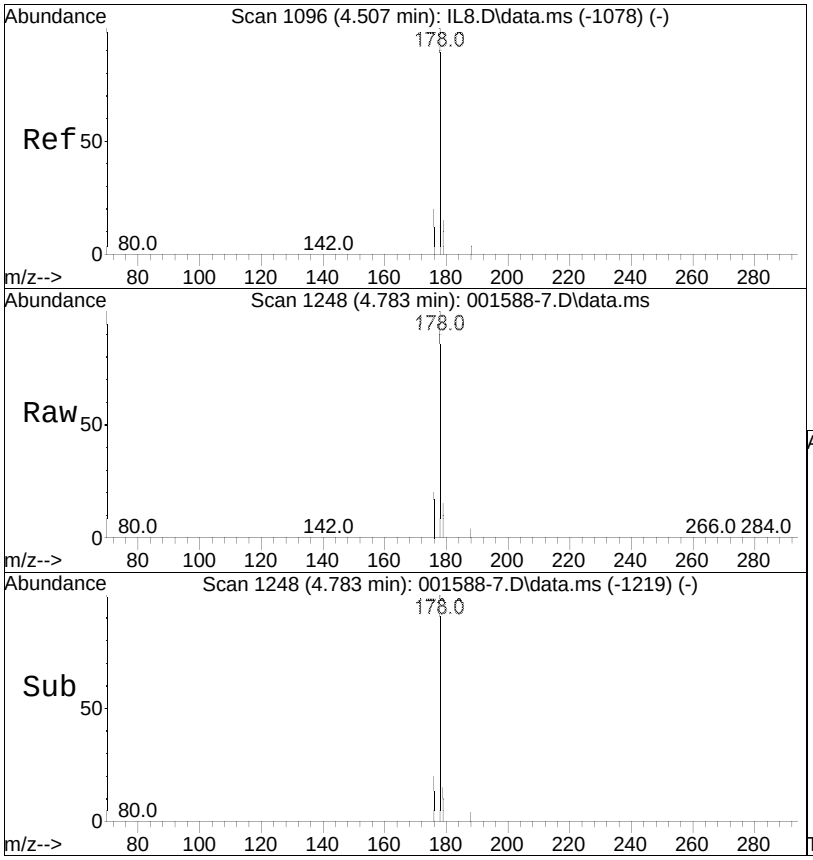


#25
Pentachlorophenol
Concen: 1915.02 ng/ml
RT: 4.669 min Scan# 1207
Delta R.T. -0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:266 Resp: 60452

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.3	75.5

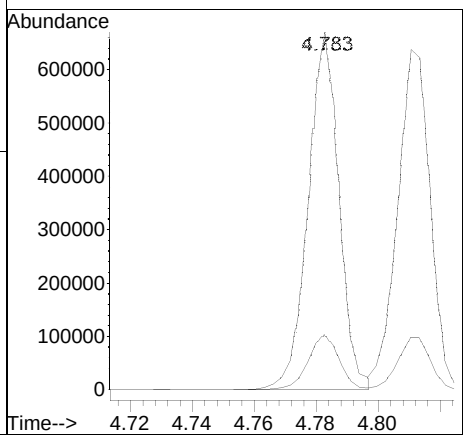


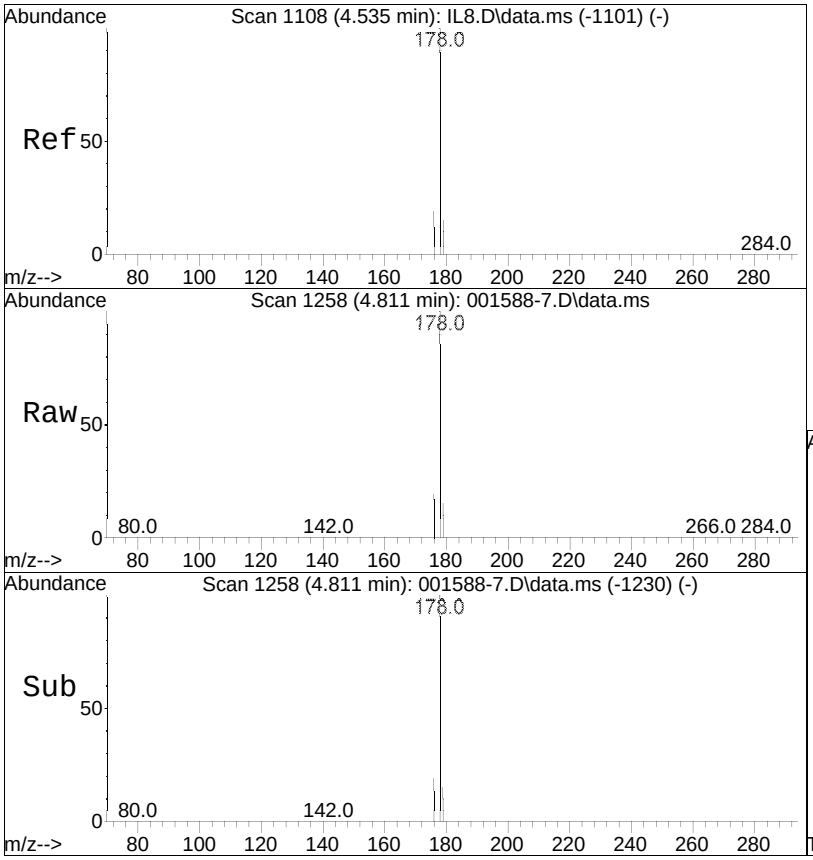


#26
Phenanthrene
Concen: 1855.45 ng/ml
RT: 4.783 min Scan# 1248
Delta R.T. 0.000 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:178 Resp: 462998

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

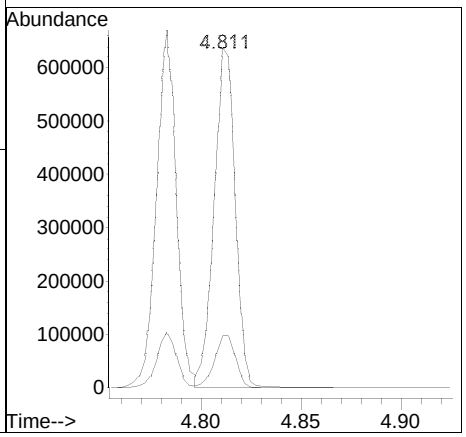


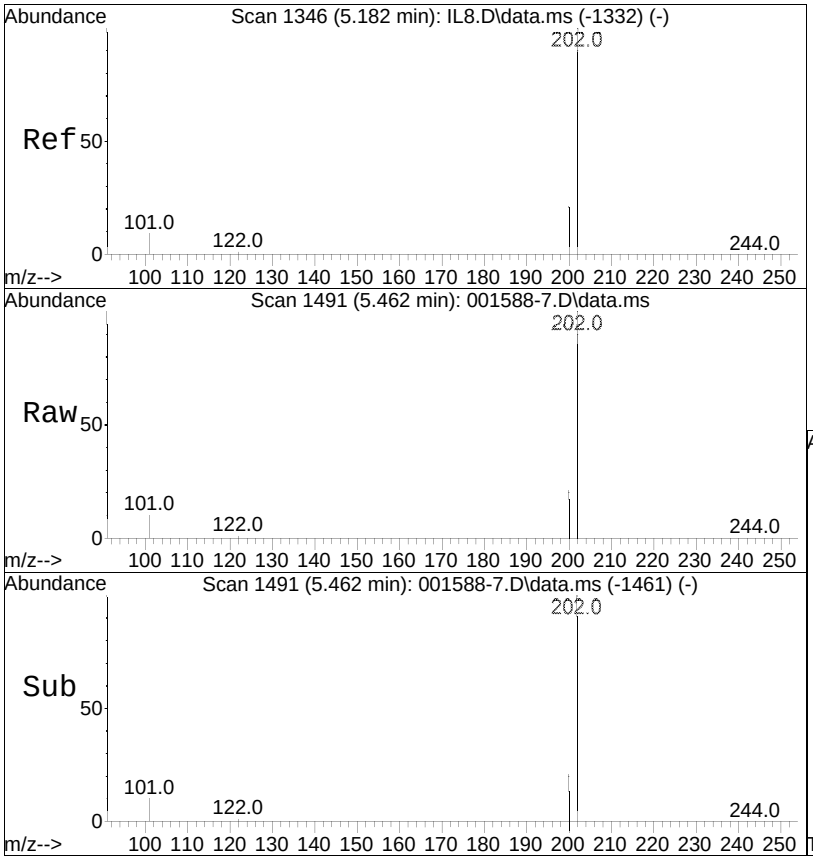


#27
Anthracene
Concen: 1806.30 ng/ml
RT: 4.811 min Scan# 1258
Delta R.T. -0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:178 Resp: 466339

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

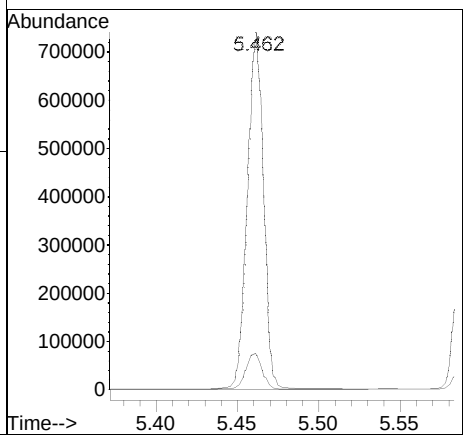


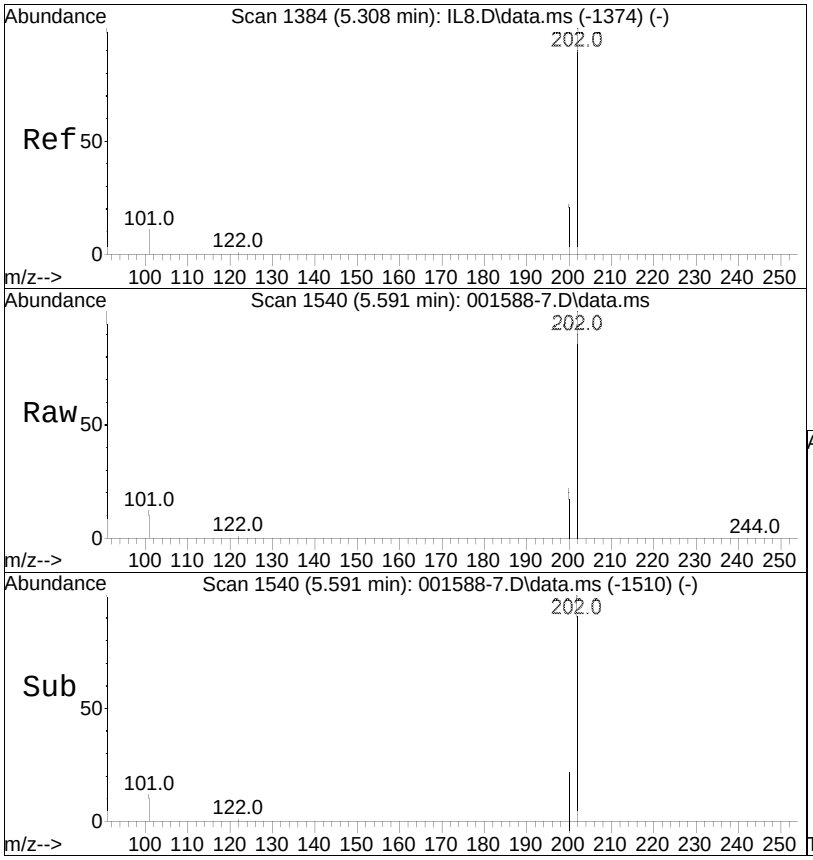


#28
Fluoranthene
Concen: 1757.99 ng/ml
RT: 5.462 min Scan# 1491
Delta R.T. 0.000 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:202 Resp: 505259

Ion	Ratio	Lower	Upper
202	100		
101	10.5	7.8	11.6

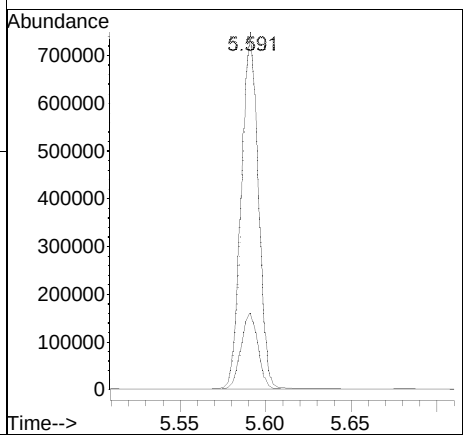


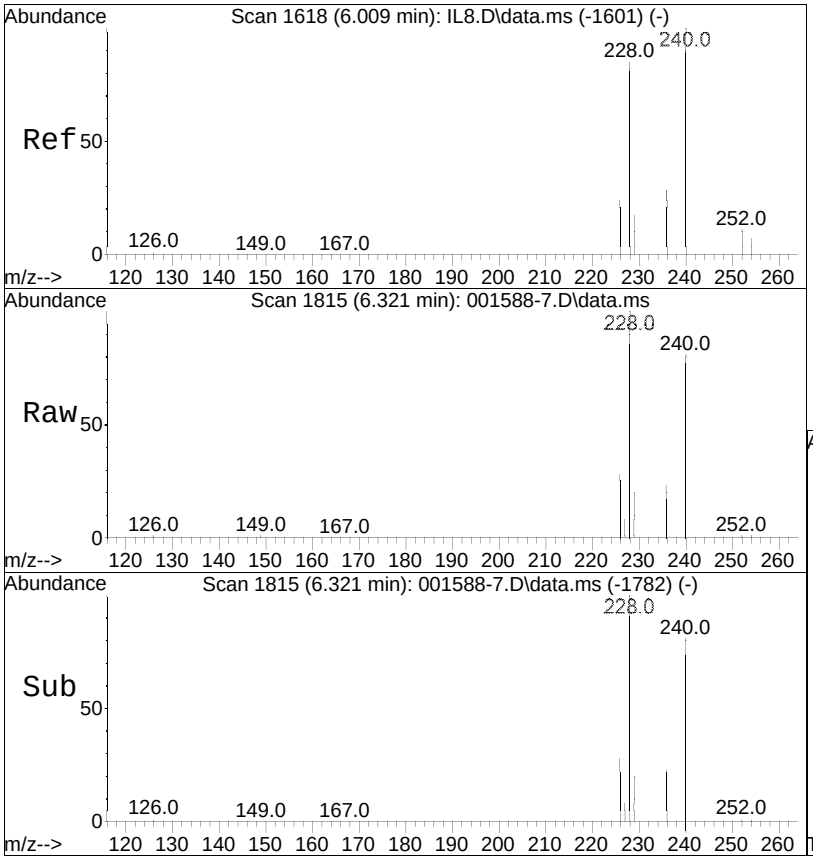


#29
Pyrene
Concen: 1716.35 ng/ml
RT: 5.591 min Scan# 1540
Delta R.T. 0.000 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:202 Resp: 508666

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.5	26.3

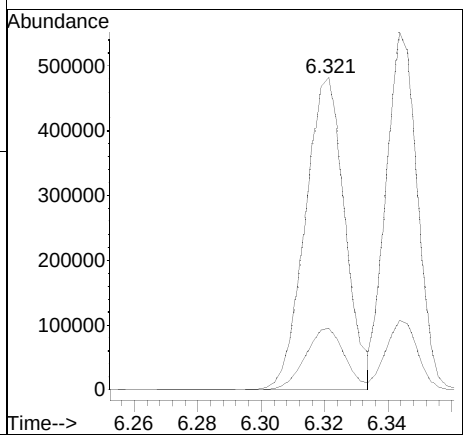


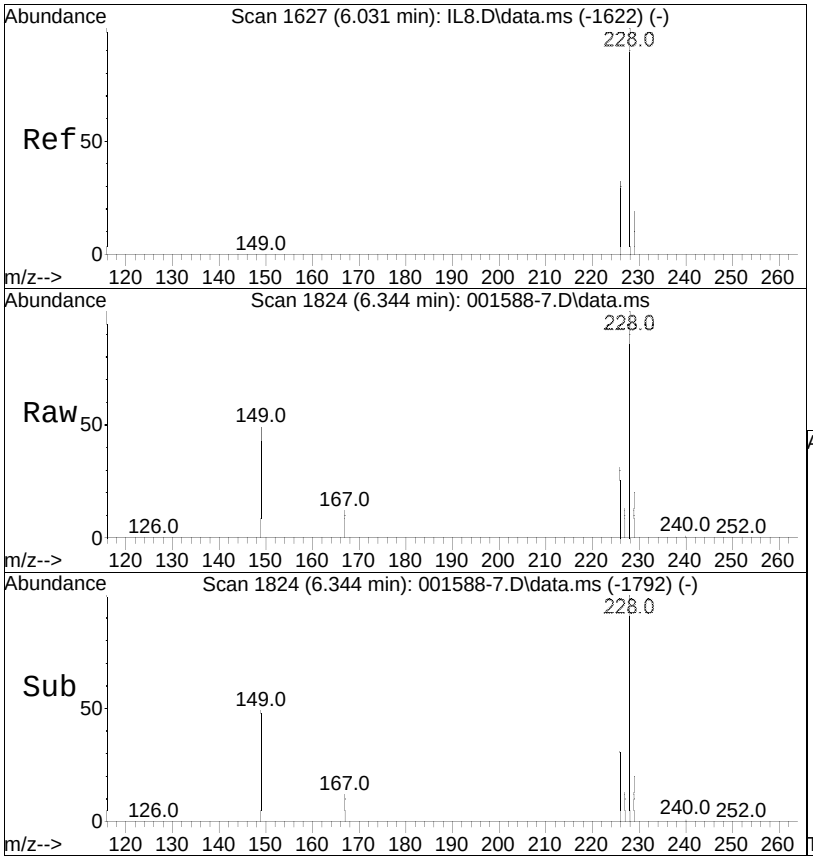


#32
Benzo[a]anthracene
Concen: 1905.54 ng/ml
RT: 6.321 min Scan# 1815
Delta R.T. 0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:228 Resp: 418832

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

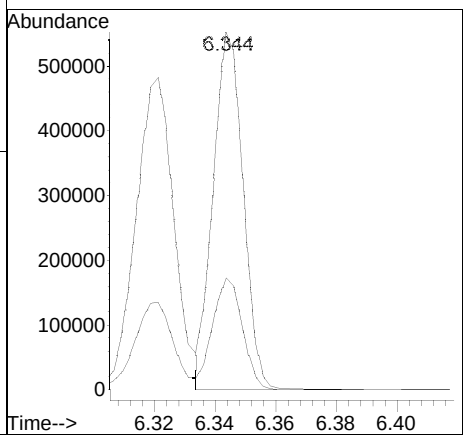


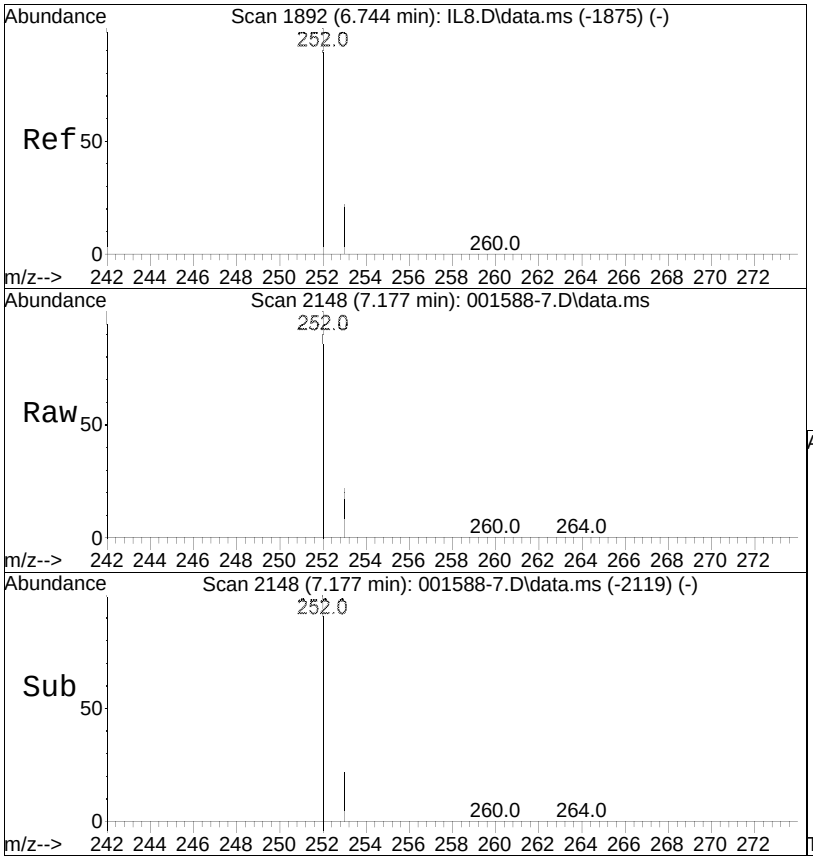


#34
Chrysene
Concen: 1982.93 ng/ml
RT: 6.344 min Scan# 1824
Delta R.T. 0.000 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:228 Resp: 377361

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3

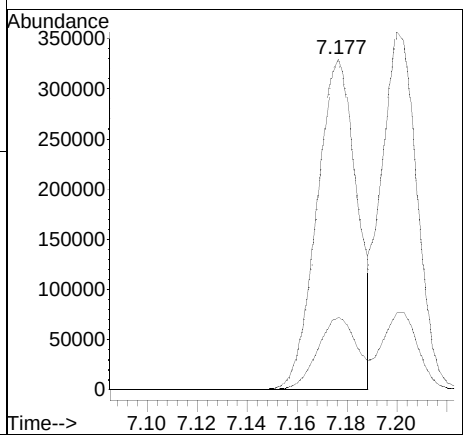


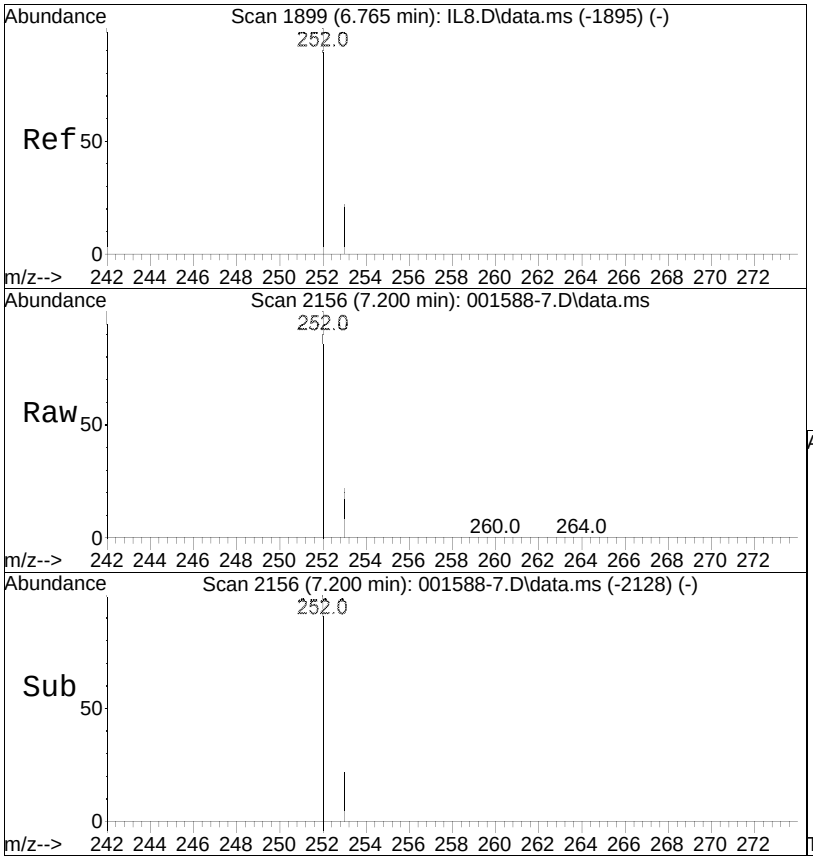


#37
Benzo[b]fluoranthene
Concen: 1900.40 ng/ml
RT: 7.177 min Scan# 2148
Delta R.T. 0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:252 Resp: 367636

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

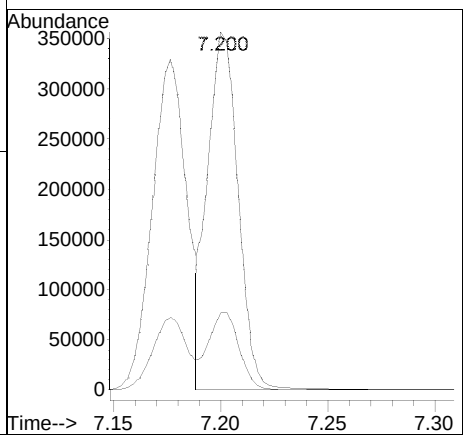


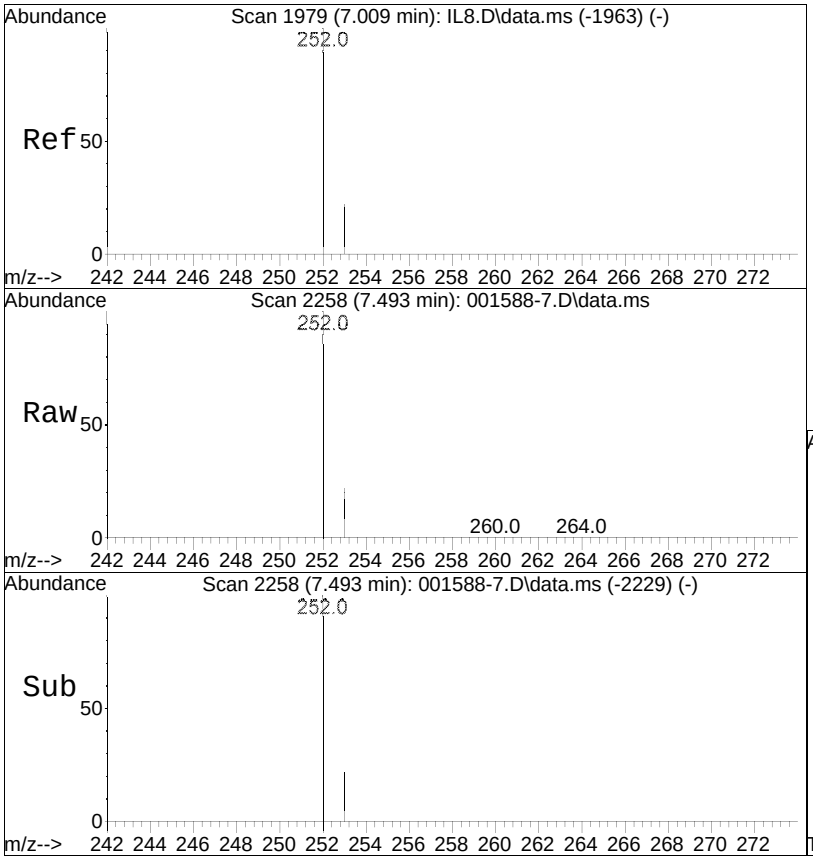


#38
Benzo[k]fluoranthene
Concen: 2006.76 ng/ml
RT: 7.200 min Scan# 2156
Delta R.T. 0.000 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:252 Resp: 348996

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

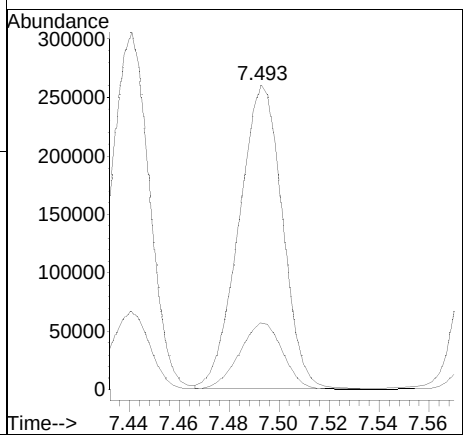


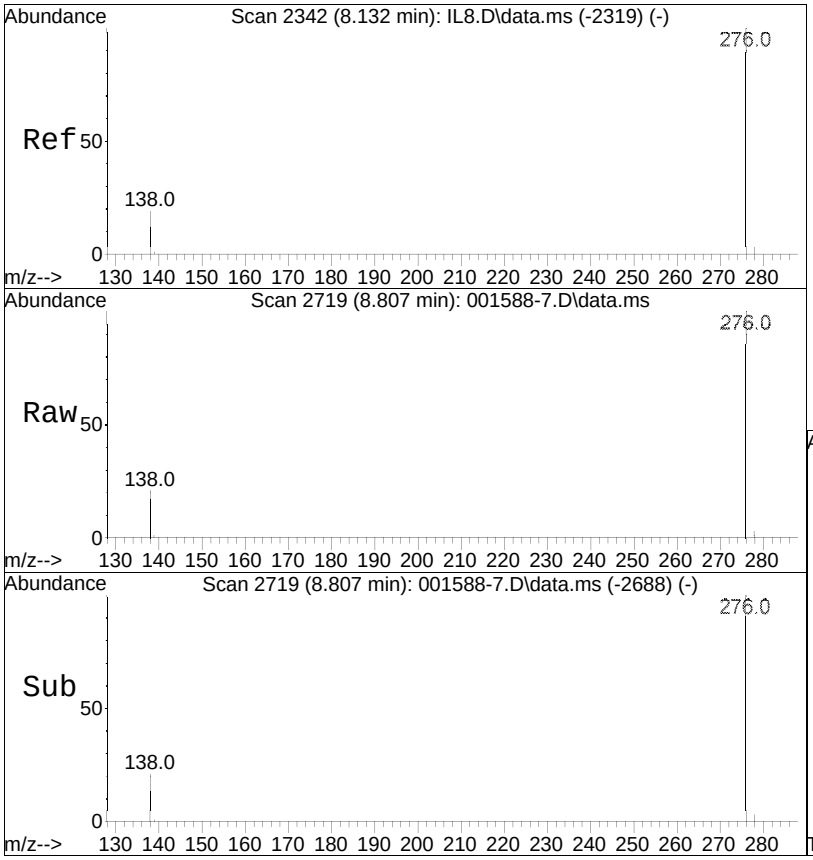


#39
Benzo[a]pyrene
Concen: 1971.11 ng/ml
RT: 7.493 min Scan# 2258
Delta R.T. 0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:252 Resp: 312330

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2

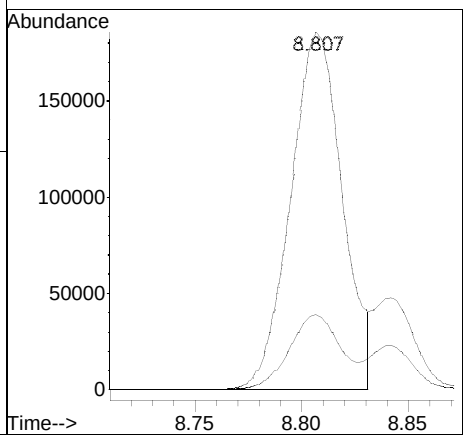


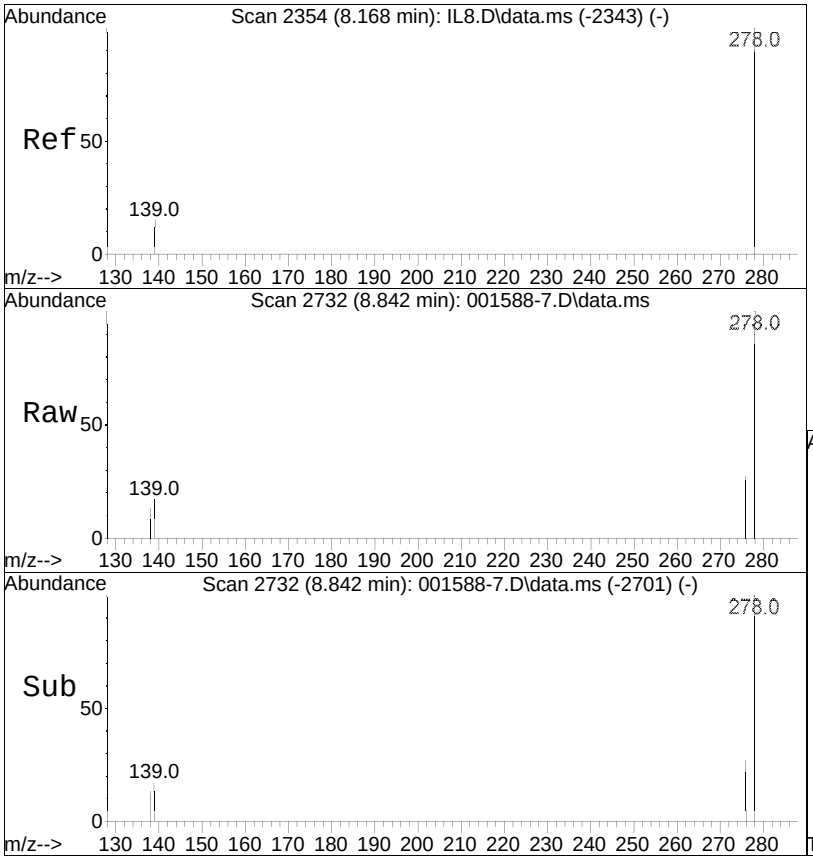


#40
Indeno[1,2,3-cd]pyrene
Concen: 1923.47 ng/ml
RT: 8.807 min Scan# 2719
Delta R.T. 0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:276 Resp: 311650

Ion	Ratio	Lower	Upper
276	100		
138	20.5	15.4	23.0

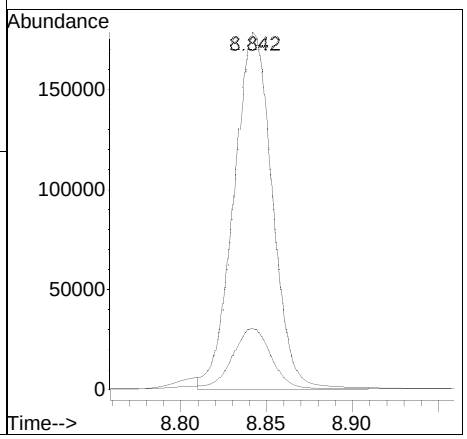


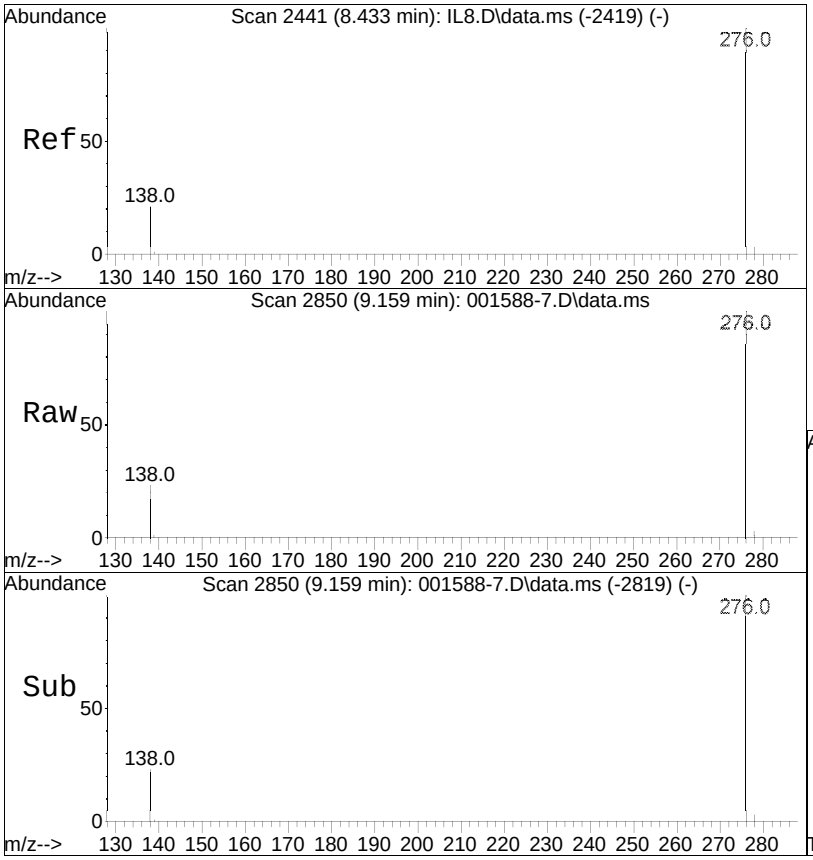


#41
Dibenzo[a,h]anthracene
Concen: 1820.29 ng/ml M6
RT: 8.842 min Scan# 2732
Delta R.T. 0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:278 Resp: 277072

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.0	19.6

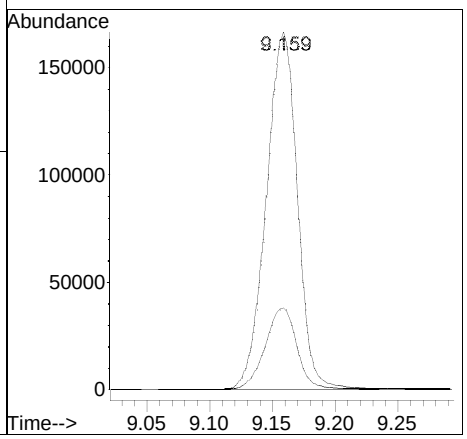




#42
Benzo[g,h,i]perylene
Concen: 1794.54 ng/ml
RT: 9.159 min Scan# 2850
Delta R.T. 0.003 min
Lab File: 001588-7.D
Acq: 24 Nov 2024 05:26 pm

Tgt Ion:276 Resp: 282393

Ion	Ratio	Lower	Upper
276	100		
138	23.4	16.6	25.0

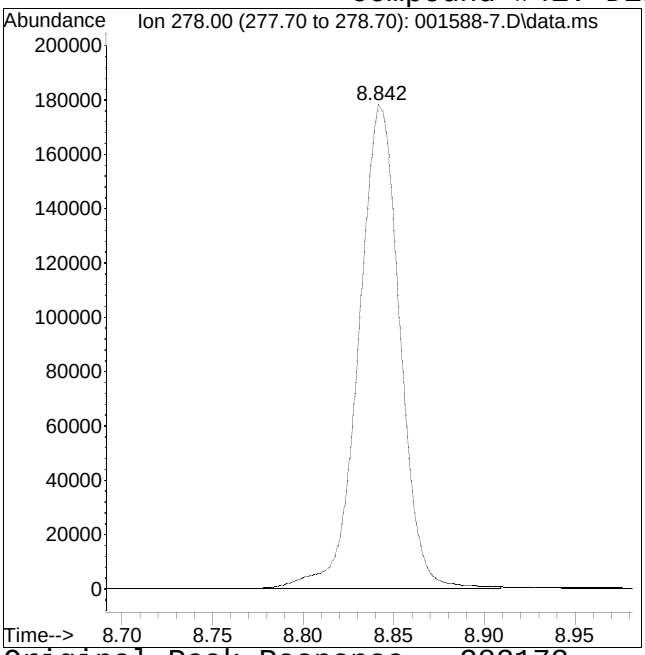


Manual Integration Report

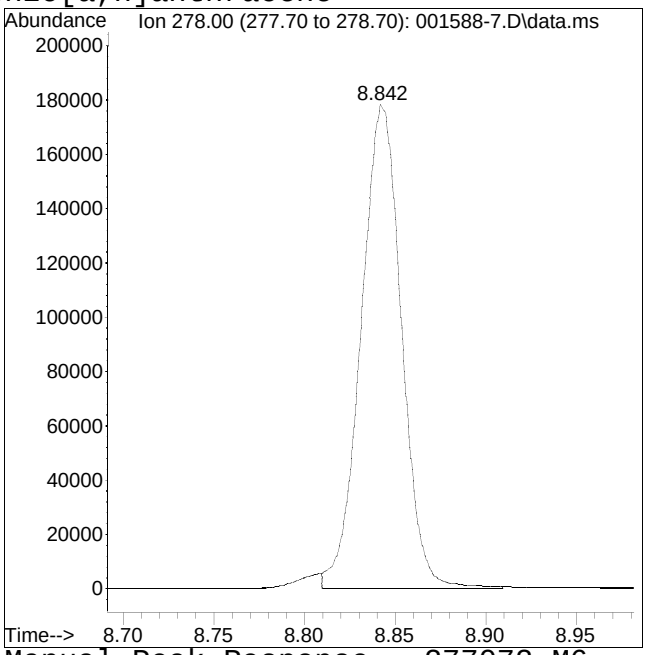
Data Path : I:\8270SIM\sv120\241124RVTQ
Data File : 001588-7.D
Date Inj'd : 11/24/2024 5:26 pm
Sample : WG2001588-7,32,,jjw

Method : SIM-RVT_241105_sv120.M
Operator : SV120:kmh
Instrument : SV120
Quant Date : 11/24/2024 5:39 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 282172



Manual Peak Response = 277072 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)

Nov 26 2024, 04:30 pm

Work Group: WG2001354 for Department: 2 Organic Preparation

Created: 23-NOV-24 Due: Operator: DLP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467934-01	MW-1S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-02	MW-2S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-03	MW-3S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-06	MW-6D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-07	MW-7S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-08	MW-8S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-09	DUP	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
L2467934-10	FIELD BLANK	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1125	1126	S0	Amber-A.1
WG2001354-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2001354-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2001354-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2001354-3 WG2001354-2

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 26 2024, 04:30 pm

Work Group: WG2001588 for Department: 2 Organic Preparation

Created: 24-NOV-24 Due: Operator: SHD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467934-04	MW-4D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2467934-05	MW-5S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-03	SW-02S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-06	SW-04S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-07	SW-04D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-08	SW-05S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-09	SW-06S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-11	SW-07S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-12	SW-07D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-13	SW-08S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-14	SW-08D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-15	GW_DUP_111924	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
L2468033-16	GW_FB_111924	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1126	1126	S0	Amber-A.1
WG2001588-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2001588-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2001588-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2001588-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2001588-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2001588-6	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2001588-7	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2001588-3	WG2001588-2
WG2001588-4	L2468033-01
WG2001588-5	L2468033-01
WG2001588-6	L2467934-05
WG2001588-7	L2467934-05

Analysis log File

Total Files Reported in Log : 17
Log Generated From Directory: I:\8270SIM\sv120\241105RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRVT.M	TUNE	WG1993471	11/5/2024 6:14 am
2	ccvtest.D	fast-SIM-RVT			11/5/2024 6:32 am
3	ccvtesta.D	fast-SIM-RVT			11/5/2024 6:58 am
4	ccvtestb.D	fast-SIM-RVT			11/5/2024 7:14 am
5	IL10.D	fast-SIM-RVT	IL10,32,,5000.0ng/mL lo	WG1993471	11/5/2024 7:30 am
6	IL9.D	fast-SIM-RVT	IL9,32,,2500.0ng/mL lot	WG1993471	11/5/2024 7:47 am
7	IL8.D	fast-SIM-RVT	IL8,32,,1000.0ng/mL lot	WG1993471	11/5/2024 8:03 am
8	IL7.D	fast-SIM-RVT	IL7,32,,500.0ng/mL lot#	WG1993471	11/5/2024 8:19 am
9	IL6.D	fast-SIM-RVT	IL6,32,,100.0ng/mL lot#	WG1993471	11/5/2024 8:36 am
10	IL5.D	fast-SIM-RVT	IL5,32,,40.0ng/mL lot#	WG1993471	11/5/2024 8:52 am
11	IL4.D	fast-SIM-RVT	IL4,32,,10.0ng/mL lot#1	WG1993471	11/5/2024 9:08 am
12	IL3.D	fast-SIM-RVT	IL3,32,,5.0ng/mL lot# 1	WG1993471	11/5/2024 9:24 am
13	IL2.D	fast-SIM-RVT	IL2,32,,2.0ng/mL lot# 1	WG1993471	11/5/2024 9:41 am
14	IL1.D	fast-SIM-RVT	IL1,32,,1.0ng/mL lot# 1	WG1993471	11/5/2024 9:57 am
15	ICV.D	fast-SIM-RVT	CQICV,32,,1000.0ng/mL l	WG1993471	11/5/2024 10:13 am
16	insblk.D	fast-SIM-RVT	instrument blank	WG1993471	11/5/2024 10:29 am
17	ccvtestn.D	fast-SIM-RVT			11/5/2024 4:39 pm

Dep.: GCMS
Inst: SV120
Date: **11/23/24**
Run:

Method
GC: SIM RVT

Seq: WG2001483
ICAL: ICAL21668

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg1123	wg-1,32,, dftpp SV120 lot#11159				11/23 RAP
49	ccv1123	wg-3,32,,ICV 10884 (1123a)	Full List			11/23 RAP
50	blk1123	Instrument Blank				
1	001228-1	WG2001228-1,32,,rp				11/23 RAP
2	001228-2	WG2001228-2,32,,rp				11/23 RAP
3	001228-3	WG2001228-3,32,,rp				11/23 RAP
4	001211-1	WG2001211-1,32,,rp				11/23 RAP
5	001211-2	WG2001211-2,32,,rp				11/23 RAP
6	001211-3	WG2001211-3,32,,rp				11/23 RAP
7	68923-07	L2468923-07,32,,R3A,rp				11/23 RAP
8	68927-13	L2468927-13,32,,R3A,rp				11/23 RAP
9	67434-15	L2467434-15,32,,RE,rp				11/24 JJW
10	67414-05	L2467414-05,32,,RE,rp				11/24 JJW
11	68923-01	L2468923-01,32,,R3A,rp				als 11/24
12	68923-02	L2468923-02,32,,R3A,rp				als 11/24
13	68923-03	L2468923-03,32,,R3A,rp				als 11/24
14	68923-04	L2468923-04,32,,R3A,rp				als 11/24
15	68923-05	L2468923-05,32,,R3A,rp				als 11/24
16	68923-06	L2468923-06,32,,R3A,rp				als 11/24
17	68927-01	L2468927-01,32,,R3A,rp				als 11/24
18	68927-02	L2468927-02,32,,R3A,rp				als 11/24
19	68927-03	L2468927-03,32,,R3A,rp				als 11/24
20	68927-04	L2468927-04,32,,R3A,rp				als 11/24
21	68927-05	L2468927-05,32,,R3A,rp				als 11/24
22	68927-06	L2468927-06,32,,R3A,rp				als 11/24
23	68927-10	L2468927-10,32,,R3A,rp				als 11/24
24	68927-11	L2468927-11,32,,R3A,rp				als 11/24
25	68927-12	L2468927-12,32,,R3A,rp				als 11/24
26	001354-2	WG2001354-2,32,,rp				DV 11/25
27	001354-3	WG2001354-3,32,,rp				DV 11/25
28	001354-1	WG2001354-1,32,,rp				DV 11/25
29	67934-01	L2467934-01,32,,rp				DV 11/25
30	68978-01	L2468978-01,32,,rp				DV 11/25
31	67494-02	L2467494-02,32,,RR(OTT),rp				11/24 JJW
32	67934-02	L2467934-02,32,,rp				DV 11/25
33	67934-03	L2467934-03,32,,rp				DV 11/25
34	67934-06	L2467934-06,32,,rp				DV 11/25
35	67934-07	L2467934-07,32,,rp				DV 11/25
36	67934-08	L2467934-08,32,,rp				DV 11/25
37	67934-09	L2467934-09,32,,rp				DV 11/25
38	67934-10	L2467934-10,32,,rp				DV 11/25
39	001211-4	WG2001211-4,32,,rp				
40	001211-5	WG2001211-5,32,,rp				
41	53108-44	L2453108-44,32,,rp			RAP	

Dep.: GCMS
Inst: SV120
Date: **11/23/24**
Run:

Method
GC: SIM RVT

Seq: WG2001483
ICAL: ICAL21668

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
					SV-JJW	

Dep.: GCMS
Inst: SV120
Date: **11/24/24**
Run:

Method
GC: SIM RVT

Seq: WG2001670
ICAL: ICAL21668

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg1124	wg-1,32,, dftpp SV120 lot#11159				11/25 kmh
49	ccv1124	wg-3,32,,ICV 10884 (1123a)				11/25 kmh
50	blk1124	Instrument Blank				
1	001588-1	WG2001588-1,32,,jjw	RV			11/25 kmh
2	001588-2	WG2001588-2,32,,jjw				11/25 kmh
3	001588-3	WG2001588-3,32,,jjw				11/25 kmh
4	68033-02	L2468033-02,32,,jjw	RX- MB has hits			11/25 kmh
5	68033-03	L2468033-03,32,,jjw				11/25 JJW
6	68033-04	L2468033-04,32,,jjw	RX- MB has hits			11/25 kmh
7	68033-05	L2468033-05,32,,jjw	RX- MB has hits			11/25 kmh
8	68033-06	L2468033-06,32,,jjw				11/25 JJW
9	68033-07	L2468033-07,32,,jjw				11/25 JJW
10	68033-08	L2468033-08,32,,jjw				11/25 JJW
11	68033-09	L2468033-09,32,,jjw				11/25 JJW
12	68033-10	L2468033-10,32,,jjw	RX - MB contam.			11/25 JJW
13	68033-11	L2468033-11,32,,jjw				11/25 JJW
14	68033-12	L2468033-12,32,,jjw				11/25 JJW
15	68033-13	L2468033-13,32,,jjw				11/25 JJW
16	68033-14	L2468033-14,32,,jjw				11/25 JJW
17	68033-15	L2468033-15,32,,jjw				11/25 JJW
18	68033-16	L2468033-16,32,,jjw				11/25 JJW
19	68033-01	L2468033-01,32,,jjw	RX- MB has hits			11/25 kmh
20	001588-4	WG2001588-4,32,,jjw				
21	001588-5	WG2001588-5,32,,jjw				
22	67934-04	L2467934-04,32,,jjw				11/25 kmh
23	67934-05	L2467934-05,32,,jjw				11/25 kmh
24	001588-6	WG2001588-6,32,,jjw				11/25 kmh
25	001588-7	WG2001588-7,32,,jjw				11/25 kmh
26	001598-2	WG2001598-2,32,,jjw				11/25 kmh
27	001598-3	WG2001598-3,32,,jjw				11/25 kmh
28	001598-1	WG2001598-1,32,,jjw				11/25 kmh
29	68046-01	L2468046-01,32,,jjw				11/25 kmh
30	68046-02	L2468046-02,32,,jjw				11/25 kmh
31	68046-03	L2468046-03,32,,jjw				11/25 kmh
32	68046-04	L2468046-04,32,,jjw				11/25 kmh
33	68046-05	L2468046-05,32,,jjw				11/25 kmh
34	68046-06	L2468046-06,32,,jjw				11/25 kmh
35	68064-01	L2468064-01,32,,jjw				11/25 kmh
36	68064-02	L2468064-02,32,,jjw				11/25 kmh
37	68064-03	L2468064-03,32,,jjw				11/25 kmh
38	68064-04	L2468064-04,32,,jjw	RV- low IS			11/25 kmh
39	68064-05	L2468064-05,32,,jjw			JJW	11/25 kmh
					Sv-kmh	

Dep.: GCMS
Inst: SV120
Date: **11/24/24**
Run:

Method
GC: SIM RVT

Seq: WG2001670
ICAL: ICAL21668

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

ORGANIC ELN REPORT

Workgroup: WG2001354

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ507
Surrogate Type: ABN **Lot #:** 11143aa,05/01/2025,4r,6,1
Spike Type: ABN-SIM **Lot #:** 11106af,04/23/2025 ;; 11092ab,
Spike Verify by: DLP
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A100324
Na2SO4	23K2961078
NaOH	10NNaOH111224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: ej507

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
L2467934-01 SAMP	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K
L2467934-02 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-03 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-06 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-07 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-08 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
L2467934-09 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K

Reported: 26-NOV-24 04:30 PM

ORGANIC ELN REPORT

Workgroup: WG2001354

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
L2467934-10 SAMP	11/23/24 10:24	Dayle Parsons	100	<2,>12	.1		11/23/24 14:20	Kellsey Geikie	1	K
WG2001354-1 BLANK	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1		11/23/24 11:15	Kellsey Geikie	1	K
	WG2001353, WG2001354									
WG2001354-2 LCS	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1	.1	11/23/24 11:15	Kellsey Geikie	1	K
WG2001354-3 LCSD	11/23/24 07:35	Dayle Parsons	100	<2,>12	.1	.1	11/23/24 11:15	Kellsey Geikie	1	K

Reported: 26-NOV-24 04:30 PM

ORGANIC ELN REPORT

Workgroup: WG2001588

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ507
Surrogate Type: ABN **Lot #:** 11143am,05/01/2025,4r,6,1
Spike Type: ABN-SIM **Lot #:** 11106ag,04/23/2025,11092ae,0
Spike Verify by: SHD
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A100324
Na2SO4	23K2961078
NaOH	10NNaOH111224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ507

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
L2467934-04 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2467934-05 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-01 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-02 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-03 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-04 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-05 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K

Reported: 26-NOV-24 04:30 PM

ORGANIC ELN REPORT

Workgroup: WG2001588

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
L2468033-06 SAMP	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-07 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-08 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-09 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-10 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-11 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-12 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-13 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-14 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
L2468033-15 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K

Reported: 26-NOV-24 04:30 PM

ORGANIC ELN REPORT

Workgroup: WG2001588

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
L2468033-16 SAMP	11/24/24 00:54	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
WG2001588-1 BLANK	11/24/24 00:52 **WG2001587**	Samy Dakkash	100	<2, >12	.1		11/24/24 04:12	Shaylee Amidon	1	K
WG2001588-2 LCS	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001588-3 LCSD	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001588-4 MS	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001588-5 MSD	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001588-6 MS	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K
WG2001588-7 MSD	11/24/24 00:52	Samy Dakkash	100	<2, >12	.1	.1	11/24/24 04:12	Shaylee Amidon	1	K

GCMS Extractables 1,4-Dioxane By SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	TOT OUT
MW-1S (L2467934-01)	40	--	--	--	--	--	0
MW-5S (L2467934-05)	42	--	--	--	--	--	0
MW-7S (L2467934-07)	36	--	--	--	--	--	0
MW-8S (L2467934-08)	37	--	--	--	--	--	0
DUP (L2467934-09)	40	--	--	--	--	--	0
FIELD BLANK (L2467934-10)	39	--	--	--	--	--	0
WG2001184-1BLANK	44	--	--	--	--	--	0
WG2001184-2LCS	50	--	--	--	--	--	0
WG2001184-3LCSD	44	--	--	--	--	--	0
MW-5SMS	38	--	--	--	--	--	0
MW-5SMSD	41	--	--	--	--	--	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001184-2 **Analysis Date** : 11/25/24 22:23	**File ID**	: F2311252429
LCSD Sample ID	: WG2001184-3 **Analysis Date** : 11/25/24 22:48	**File ID**	: F2311252430

	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	6750	135	5000	6620	132	2	40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/26/24 00:04
Matrix Spike	: WG2001184-4	**MS Analysis Date**	: 11/26/24 00:29
Matrix Spike Dup	: WG2001184-5	**MSD Analysis Date**	: 11/26/24 00:53

		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	4810	6400	133	5430	7100	131	10	40-140	30

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2001184-1	**Lab File ID**	: F2311252428
Instrument ID	: PAH23	**Extraction Date**	: 11/22/24
Matrix	: WATER	**Analysis Date**	: 11/25/24 21:57
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2001184-2LCS	WG2001184-2	11/25/24 22:23
WG2001184-3LCSD	WG2001184-3	11/25/24 22:48
MW-1S	L2467934-01	11/25/24 23:38
MW-5S	L2467934-05	11/26/24 00:04
MW-5SMS	WG2001184-4	11/26/24 00:29
MW-5SMSD	WG2001184-5	11/26/24 00:53
MW-7S	L2467934-07	11/26/24 01:18
MW-8S	L2467934-08	11/26/24 01:42
DUP	L2467934-09	11/26/24 02:06
FIELD BLANK	L2467934-10	11/26/24 02:31

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: PAH23	**Analysis Date**	: 11/12/24 17:01
Tune Standard	: R1899640-1	**Tune File ID**	: F2311122401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	29.3
68	Less than 2.0% of mass 69	0.7 (1.9)1
70	Less than 2.0% of mass 69	0.2 (.7)1
127	10.0 - 80.0% of Base Peak	45.7
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	25.6
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	14.5
442	Base Peak, or >50% of mass 198	61.7
443	15.0 - 24.0% of mass 442	11.8 (19.1)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
STD 10	R1899640-2	F2311122402	11/12/24 17:41
STD 50	R1899640-3	F2311122403	11/12/24 18:06
STD 100	R1899640-4	F2311122404	11/12/24 18:30
STD 500	R1899640-5	F2311122405	11/12/24 18:54
STD 1000	R1899640-8	F2311122406	11/12/24 19:18
STD 5000	R1899640-6	F2311122407	11/12/24 19:42
STD 10000	R1899640-7	F2311122408	11/12/24 20:06
ICV QUANT REPORT	R1899640-9	F2311122409	11/12/24 20:30

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: PAH23	**Analysis Date**	: 11/25/24 20:47
Tune Standard	: WG2001981-3	**Tune File ID**	: F2311252426_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	25.1
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0 (0)1
127	10.0 - 80.0% of Base Peak	43.3
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	6.7
275	10.0 - 60.0% of Base Peak	29.3
365	Greater than 1.0% of mass 198	3.6
441	Present, but less than 24% of mass 442	14.9
442	Base Peak, or >50% of mass 198	75.5
443	15.0 - 24.0% of mass 442	14.7 (19.5)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
WG2001981-4CCAL	WG2001981-4	F2311252427	11/25/24 21:31
WG2001184-1BLANK	WG2001184-1	F2311252428	11/25/24 21:57
WG2001184-2LCS	WG2001184-2	F2311252429	11/25/24 22:23
WG2001184-3LCSD	WG2001184-3	F2311252430	11/25/24 22:48
MW-1S	L2467934-01	F2311252432	11/25/24 23:38
MW-5S	L2467934-05	F2311252433	11/26/24 00:04
WG2001184-4MS	WG2001184-4	F2311252434	11/26/24 00:29
WG2001184-5MSD	WG2001184-5	F2311252435	11/26/24 00:53
MW-7S	L2467934-07	F2311252436	11/26/24 01:18
MW-8S	L2467934-08	F2311252437	11/26/24 01:42
DUP	L2467934-09	F2311252438	11/26/24 02:06
FIELD BLANK	L2467934-10	F2311252439	11/26/24 02:31

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: PAH23	**Analysis Date**	: 11/25/24 21:31:00
Sample No	: WG2001981-4	**Lab File ID**	: F2311252427

	1,4-Dichlorobenzene-d4					
	Area	RT	Area	RT	Area	RT
WG2001981-4	63315	7.72				
Upper Limit	126630	8.22				
Lower Limit	31658	7.22				
Sample ID						
WG2001184-1 BLANK	63315	7.72				
WG2001184-2 LCS	60974	7.72				
WG2001184-3 LCSD	63309	7.72				
MW-1S	60494	7.71				
MW-5S	61219	7.72				
MW-5S MS	59629	7.72				
MW-5S MSD	59092	7.72				
MW-7S	59554	7.72				
MW-8S	54852	7.72				
DUP	56240	7.72				
FIELD BLANK	58966	7.72				

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/25/24 23:38
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252432	**Analyst**	: CSP
Sample Amount	: 2580 ml	**Instrument ID**	: PAH23
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	10.6	14.5	3.28	J

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

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 00:04
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252433	**Analyst**	: CSP
Sample Amount	: 230 ml	**Instrument ID**	: PAH23
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	163	36.8	U

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

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 01:18
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252436	**Analyst**	: CSP
Sample Amount	: 250 ml	**Instrument ID**	: PAH23
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 01:42
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252437	**Analyst**	: CSP
Sample Amount	: 250 ml	**Instrument ID**	: PAH23
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 02:06
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252438	**Analyst**	: CSP
Sample Amount	: 260 ml	**Instrument ID**	: PAH23
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 02:31
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252439	**Analyst**	: CSP
Sample Amount	: 270 ml	**Instrument ID**	: PAH23
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	139	31.4	U

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

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001184-1	**Date Collected**	: NA
Client ID	: WG2001184-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/25/24 21:57
Sample Matrix	: WATER	**Date Extracted**	: 11/22/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2311252428	**Analyst**	: CSP
Sample Amount	: 250 ml	**Instrument ID**	: PAH23
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 : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252432.D
Acq On : 25 Nov 2024 11:38 pm
Operator : PAH23:CSP
Sample : l2467934-01,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 26 11:01:56 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.306	64	10742	500.000	ng/mL	0.03
3) 1,4-Dichlorobenzene-d4	7.713	152	60494	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.306	64	10742	202.099	ng/mL	0.03
Spiked Amount 500.000	Range 15 - 115		Recovery = 40.42%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.358	88	312M2	10.933	ng/mL	

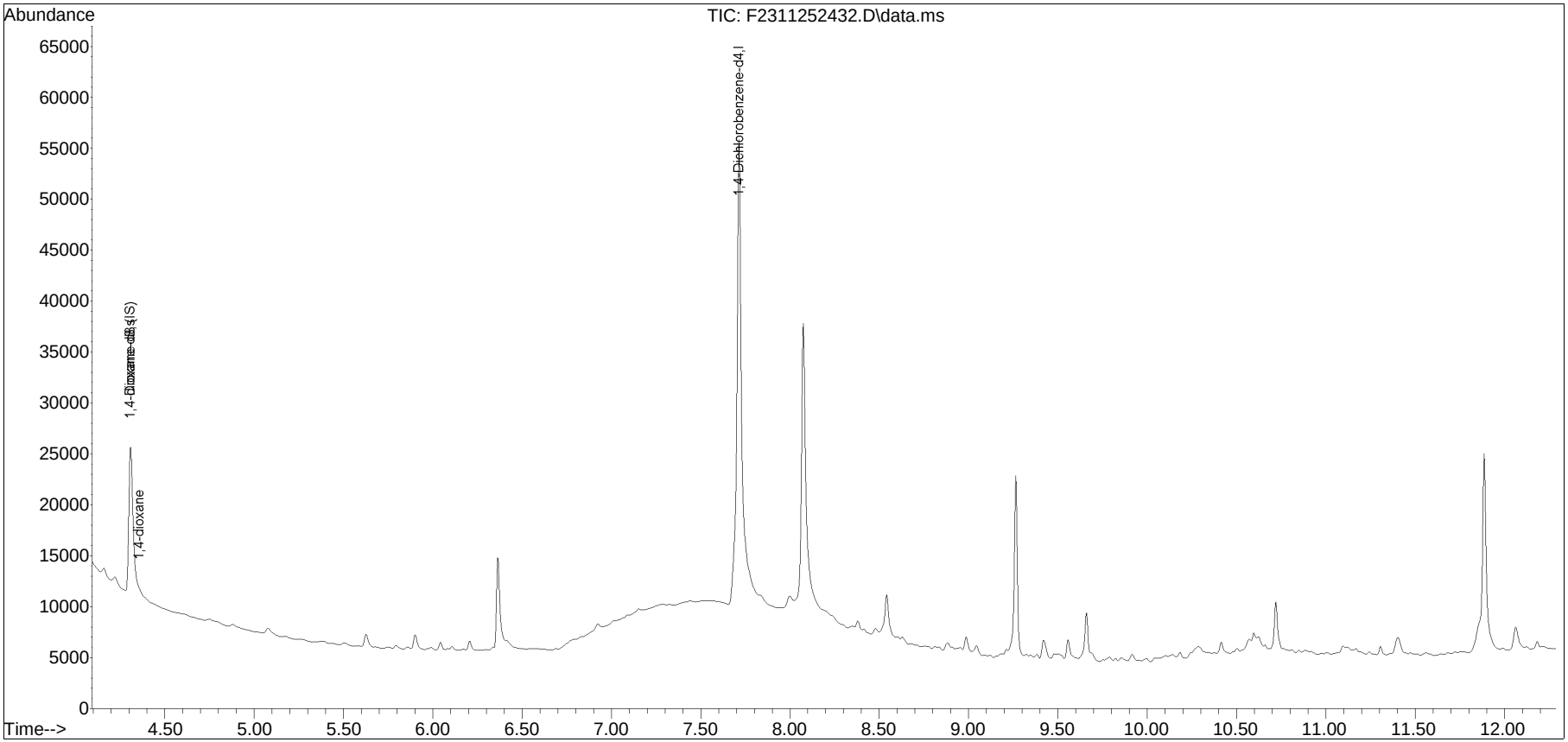
(#) = qualifier out of range (m) = manual integration (+) = signals summed

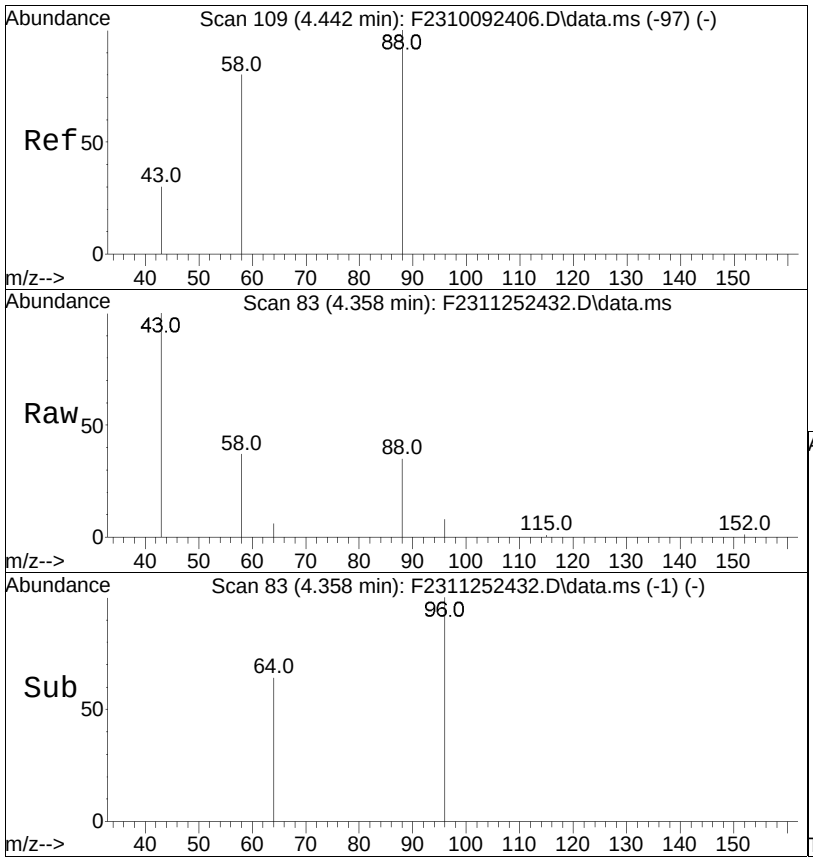
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252432.D
Acq On : 25 Nov 2024 11:38 pm
Operator : PAH23:CSP
Sample : l2467934-01,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 26 11:01:56 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

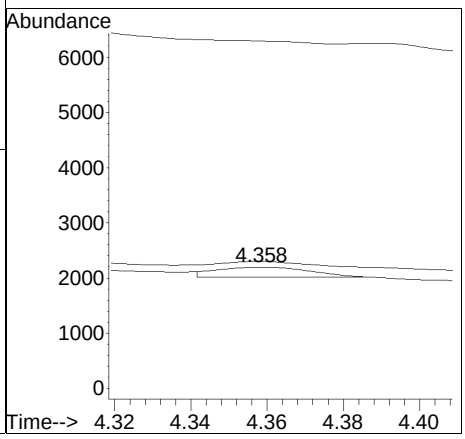




#2
1,4-dioxane
Concen: 10.93 ng/mL M2
RT: 4.358 min Scan# 83
Delta R.T. 0.029 min
Lab File: F2311252432.D
Acq: 25 Nov 2024 11:38 pm

Tgt Ion: 88 Resp: 312

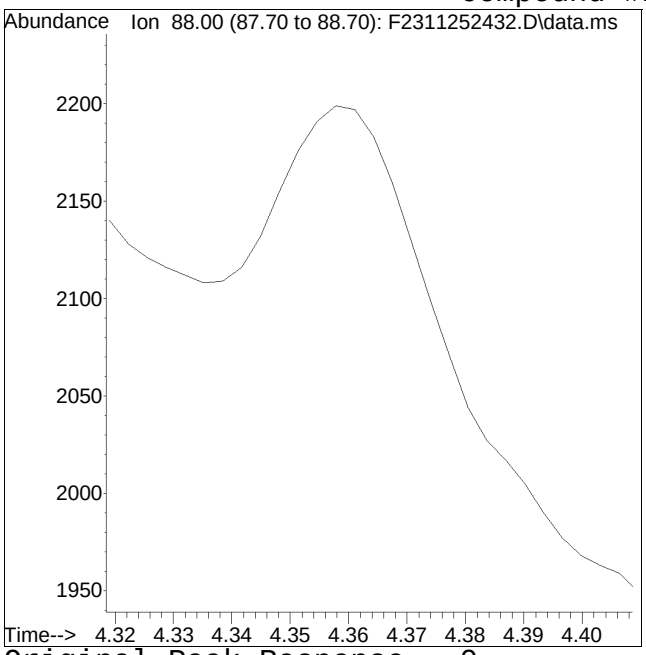
Ion	Ratio	Lower	Upper
88	100		
58	63.8	51.1	76.7
43	23.1	17.4	26.2



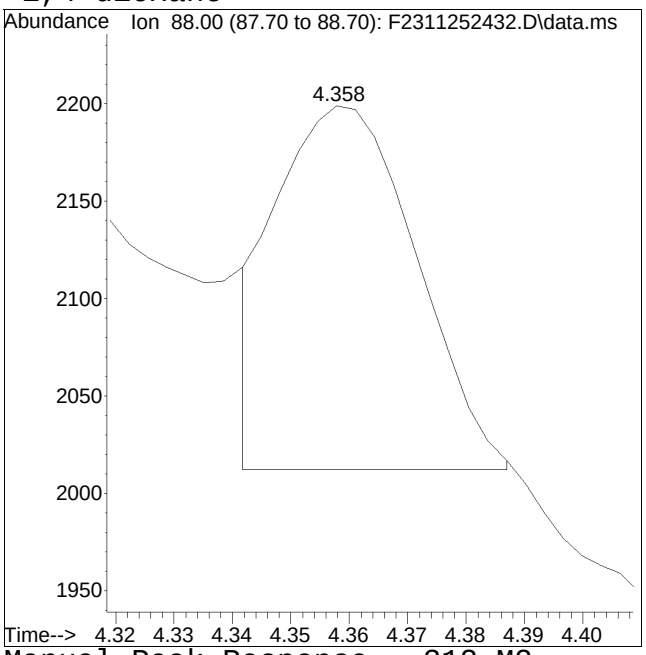
Manual Integration/Negative Proof Report

Data Path : S:\Organics-NEW\DATA\PAH23\
Data File : F2311252432.D
Date Inj'd : 11/25/2024 11:38 pm
Sample : l2467934-01,32,,
QMethod : 14DIOX1112PAH23.M
Operator : PAH23:CSP
Instrument : PAH23
Quant Date : 11/26/2024 11:01 am

Compound #2: 1,4-dioxane



Original Peak Response = 0



Manual Peak Response = 312 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252433.D
Acq On : 26 Nov 2024 12:04 am
Operator : PAH23:CSP
Sample : l2467934-05,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 26 11:01:58 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.352	64	11237	500.000	ng/mL	0.07
3) 1,4-Dichlorobenzene-d4	7.717	152	61219	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.352	64	11237	208.908	ng/mL	0.07
Spiked Amount 500.000	Range 15 - 115		Recovery = 41.78%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.		

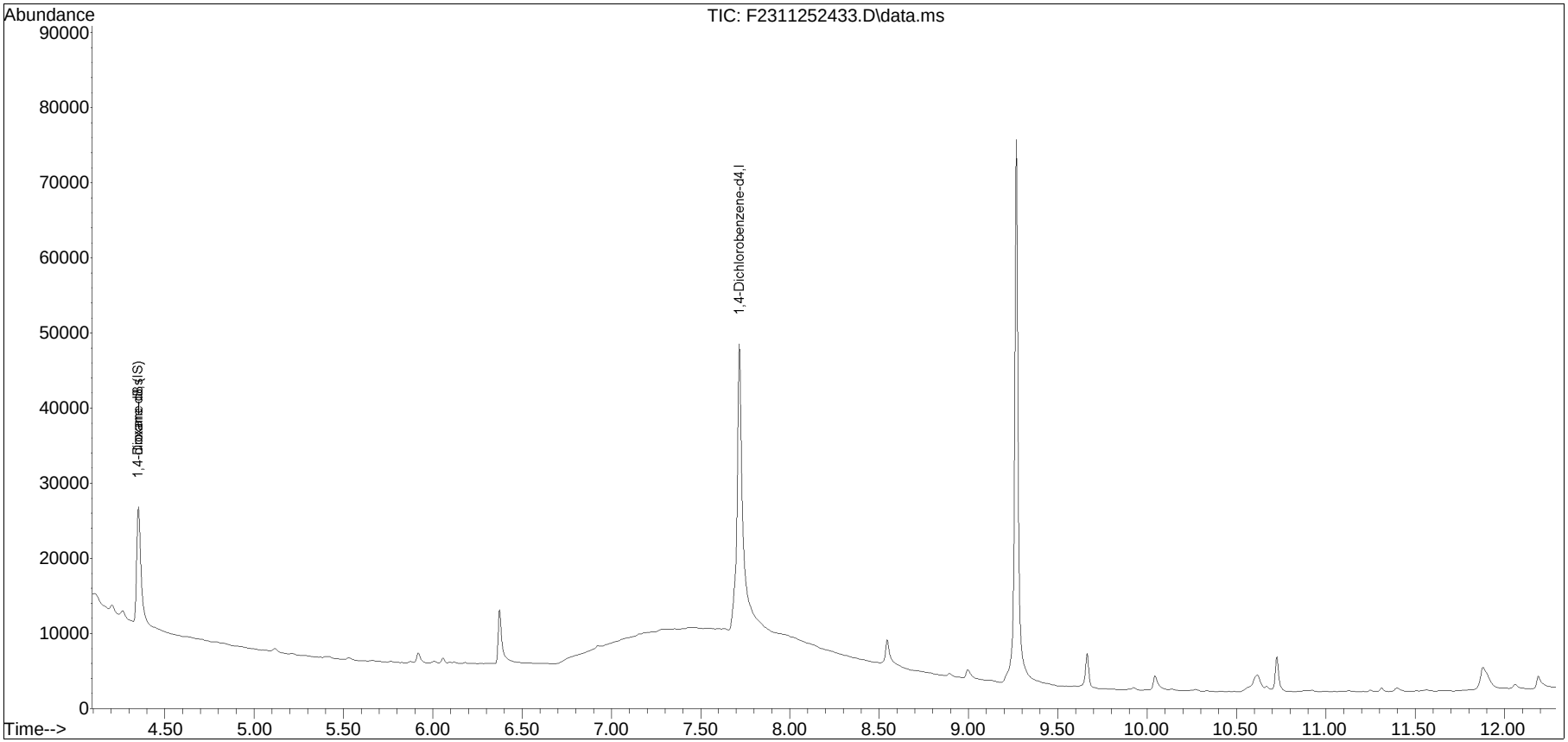
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252433.D
Acq On : 26 Nov 2024 12:04 am
Operator : PAH23:CSP
Sample : l2467934-05,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 26 11:01:58 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311252433.D	Operator	: PAH23:CSP
Date Inj'd	: 11/26/2024 12:04 am	Instrument	: PAH23
Sample	: l2467934-05,32,,	Quant Date	: 11/26/2024 11:01 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252436.D
Acq On : 26 Nov 2024 01:18 am
Operator : PAH23:CSP
Sample : l2467934-07,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 26 11:02:04 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.339	64	9481	500.000	ng/mL	0.06
3) 1,4-Dichlorobenzene-d4	7.717	152	59554	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.339	64	9481	181.190	ng/mL	0.06
Spiked Amount 500.000	Range 15 - 115		Recovery = 36.24%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.		

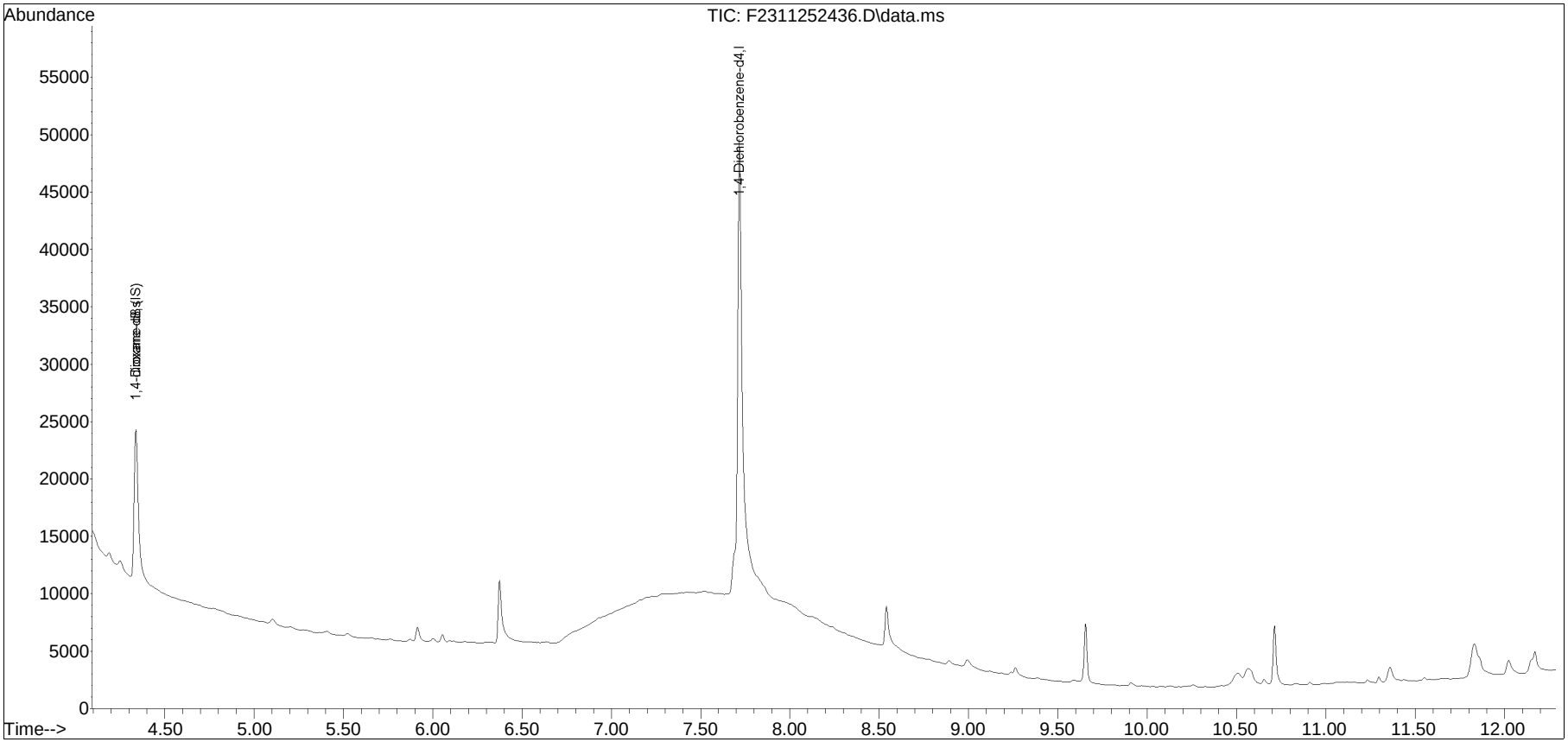
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252436.D
Acq On : 26 Nov 2024 01:18 am
Operator : PAH23:CSP
Sample : l2467934-07,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 26 11:02:04 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311252436.D	Operator	: PAH23:CSP
Date Inj'd	: 11/26/2024 1:18 am	Instrument	: PAH23
Sample	: l2467934-07,32,,	Quant Date	: 11/26/2024 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252437.D
Acq On : 26 Nov 2024 01:42 am
Operator : PAH23:CSP
Sample : l2467934-08,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 26 11:02:06 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.342	64	8997	500.000	ng/mL	0.06
3) 1,4-Dichlorobenzene-d4	7.720	152	54852M4	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.342	64	8997	186.680	ng/mL	0.06
Spiked Amount 500.000	Range 15 - 115		Recovery = 37.34%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.		

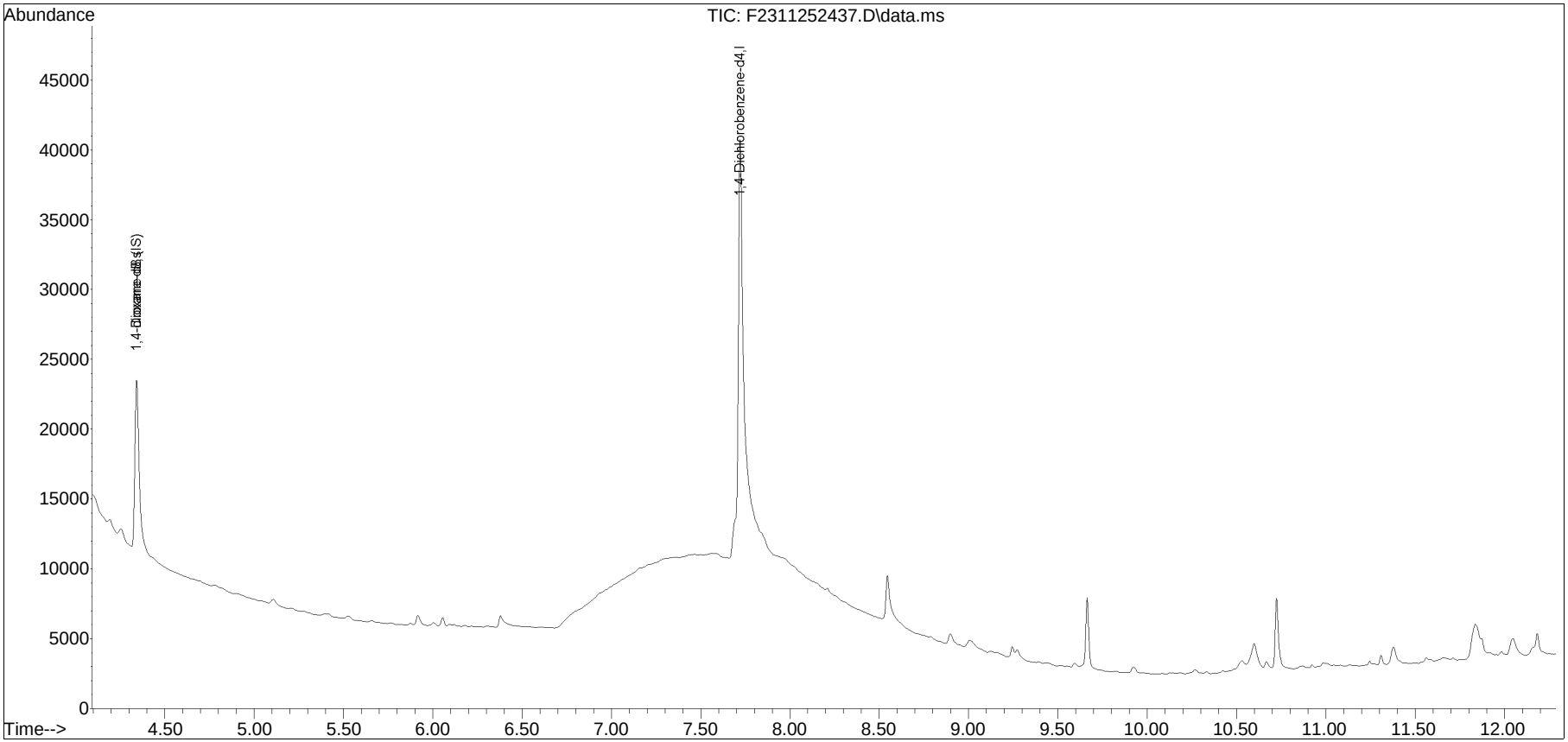
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252437.D
Acq On : 26 Nov 2024 01:42 am
Operator : PAH23:CSP
Sample : l2467934-08,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 26 11:02:06 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

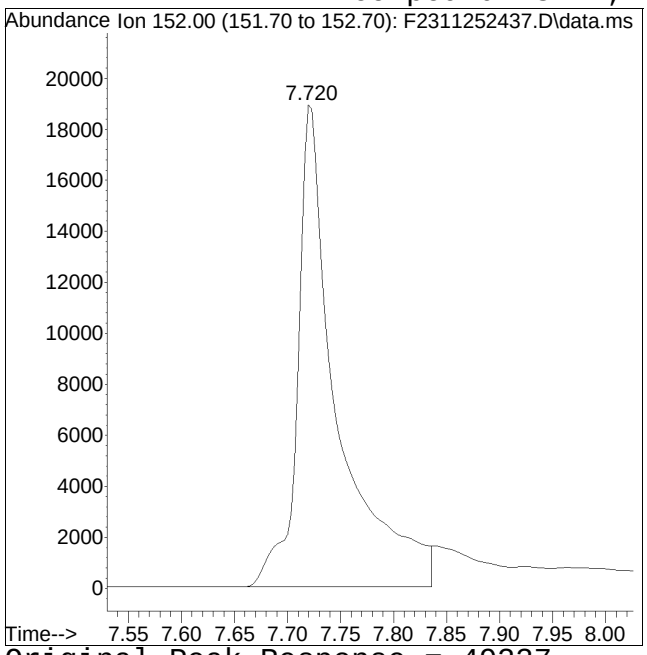
Sub List : Default - All compounds listed



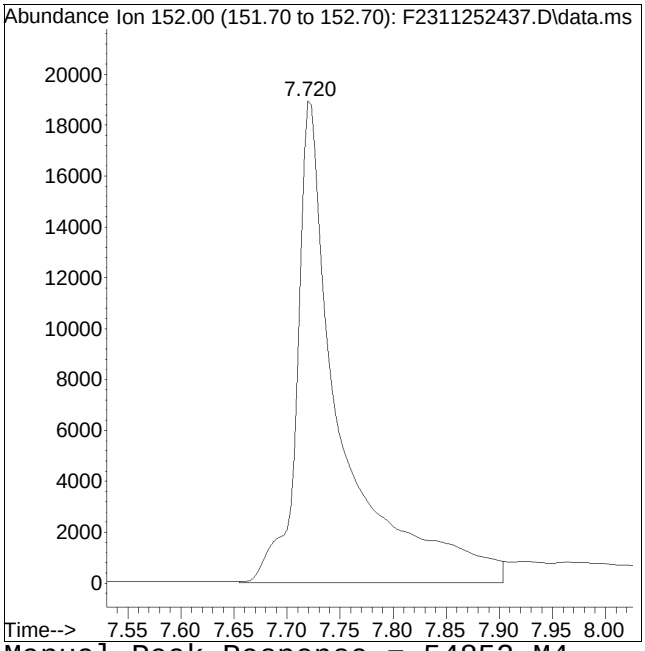
Manual Integration/Negative Proof Report

Data Path : S:\Organics-NEW\DATA\PAH23\QMethod : 14DIOX1112PAH23.M
Data File : F2311252437.D Operator : PAH23:CSP
Date Inj'd : 11/26/2024 1:42 am Instrument : PAH23
Sample : l2467934-08,32,, Quant Date : 11/26/2024 11:02 am

Compound #3: 1,4-Dichlorobenzene-d4



Original Peak Response = 49237



Manual Peak Response = 54852 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252438.D
Acq On : 26 Nov 2024 02:06 am
Operator : PAH23:CSP
Sample : l2467934-09,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 26 11:02:08 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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	9980	500.000	ng/mL	0.06
3) 1,4-Dichlorobenzene-d4	7.720	152	56240	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.338	64	9980	201.965	ng/mL	0.06
Spiked Amount 500.000	Range 15 - 115		Recovery = 40.39%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.		

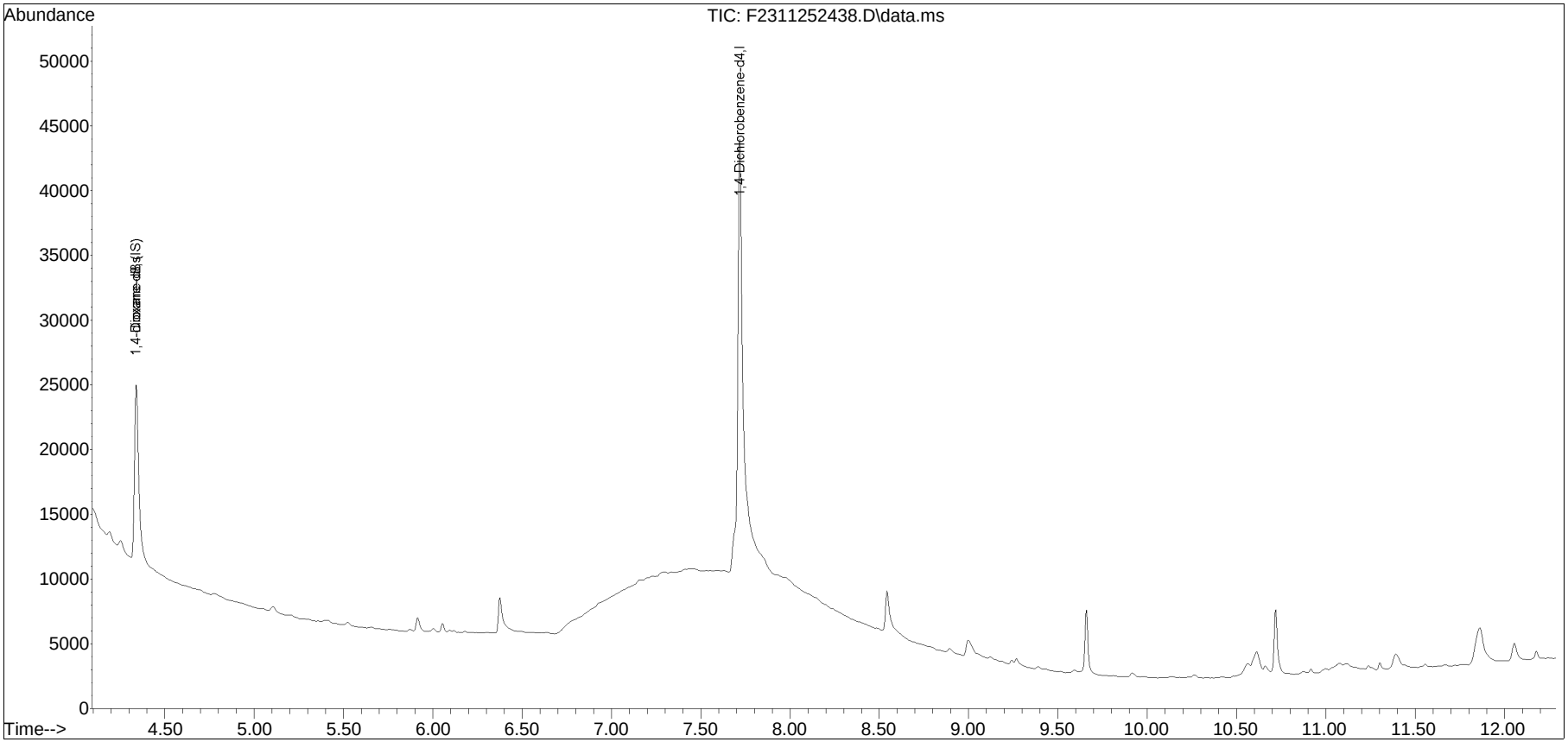
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252438.D
Acq On : 26 Nov 2024 02:06 am
Operator : PAH23:CSP
Sample : l2467934-09,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 26 11:02:08 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311252438.D	Operator	: PAH23:CSP
Date Inj'd	: 11/26/2024 2:06 am	Instrument	: PAH23
Sample	: l2467934-09,32,,	Quant Date	: 11/26/2024 11:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252439.D
Acq On : 26 Nov 2024 02:31 am
Operator : PAH23:CSP
Sample : l2467934-10,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 26 11:02:10 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.348	64	10093	500.000	ng/mL	0.07
3) 1,4-Dichlorobenzene-d4	7.717	152	58966	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.348	64	10093	194.810	ng/mL	0.07
Spiked Amount 500.000	Range 15 - 115		Recovery = 38.96%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.		

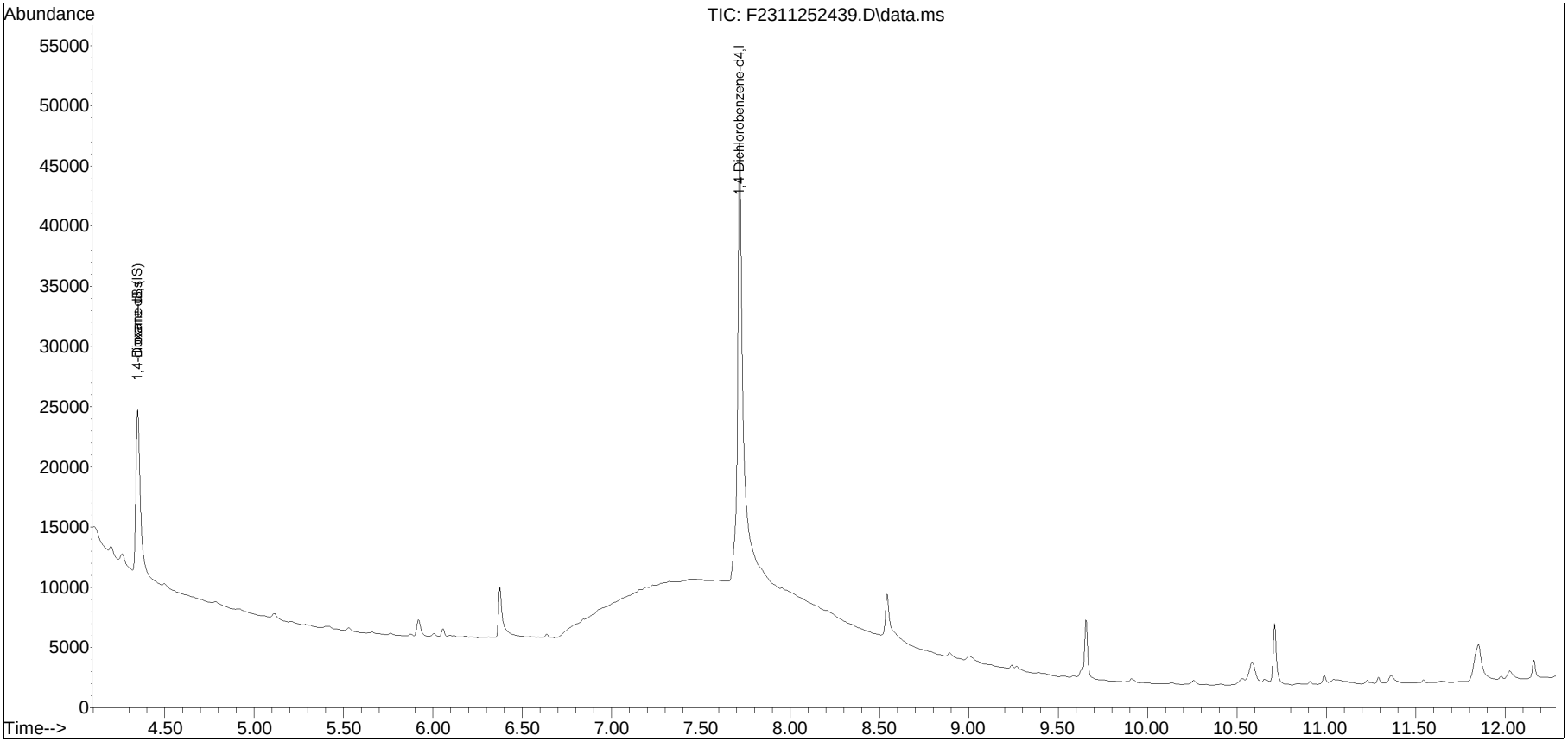
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252439.D
Acq On : 26 Nov 2024 02:31 am
Operator : PAH23:CSP
Sample : l2467934-10,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 26 11:02:10 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311252439.D	Operator	: PAH23:CSP
Date Inj'd	: 11/26/2024 2:31 am	Instrument	: PAH23
Sample	: l2467934-10,32,,	Quant Date	: 11/26/2024 11:02 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**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PAH23**	**Ical Ref**	**: ICAL21701**
Calibration dates	**: 11/12/24 17:41 11/12/24 20:06**		

Calibration Files
10 =F2311122402.D 50 =F2311122403.D 100 =F2311122404.D 500 =F2311122405.D 1000=F2311122406.D
5000=F2311122407.D 1e04=F2311122408.D

	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	----------ISTD----------								
2)	1,4-dioxane	1.522	1.481	1.371	1.296	1.302	1.201	1.125	1.328	10.73
3) I	1,4-Dichlorobenzene-d4	----------ISTD----------								
4) s	1,4-dioxane-d8	0.426	0.419	0.449	0.444	0.452	0.429	0.457	0.439	3.29

Response Factor Report PAH23

Method Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Method File : 14DIOX1112PAH23.M
Title : Semivolatiles by GC/MS
Last Update : Wed Nov 13 08:38:23 2024
Response Via : Initial Calibration

Calibration Files
10 =F2311122402.D 50 =F2311122403.D 100 =F2311122404.D 500 =F2311122405.D 1000=F2311122406.D
5000=F2311122407.D 1e04=F2311122408.D

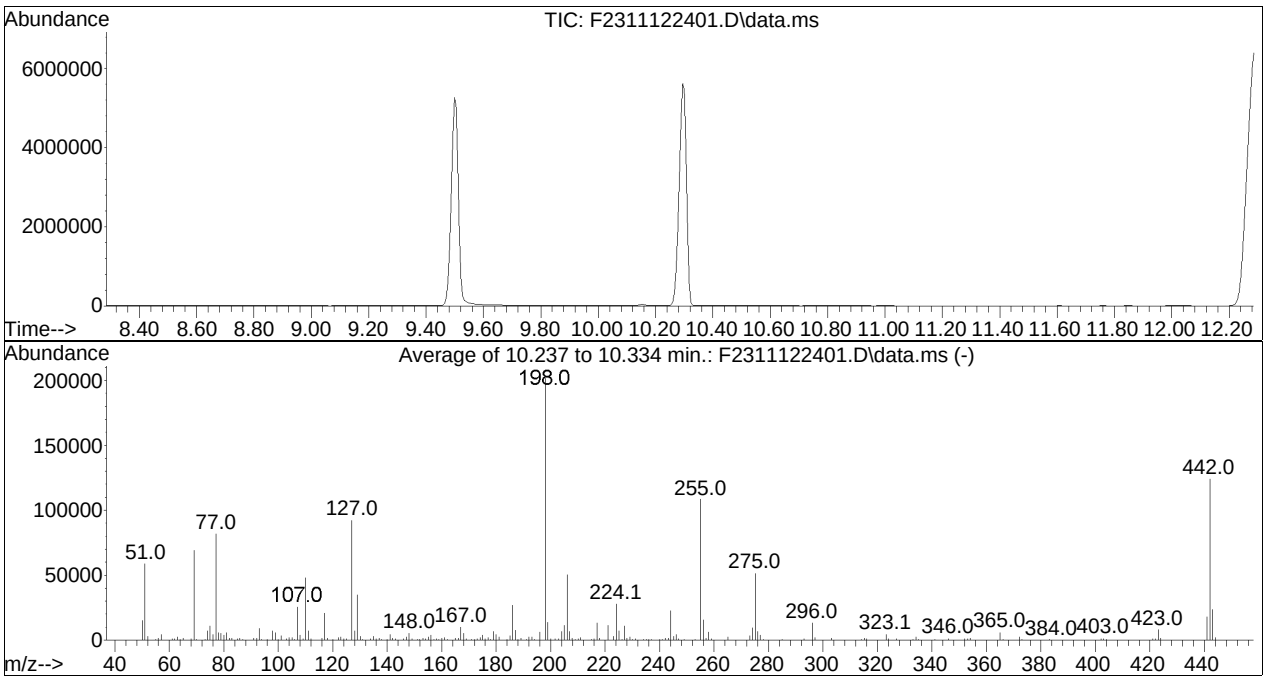
	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	ISTD								
2)	1,4-dioxane	1.522	1.481	1.371	1.296	1.302	1.201	1.125	1.328	10.73
3) I	1,4-Dichlorobenzene-d4	ISTD								
4) s	1,4-dioxane-d8	0.426	0.419	0.449	0.444	0.452	0.429	0.457	0.439	3.29

(#) = Out of Range

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122401.D
Acq On : 12 Nov 2024 05:01 pm
Operator : PAH23:CSP
Sample : T2311122401
Misc : WG1996917,MSBV35
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Title : Semivolatiles by GC/MS
Last Update : Wed Nov 13 08:38:23 2024



Spectrum Information: Average of 10.237 to 10.334 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.3	58905	PASS
68	69	0.00	2	1.9	1351	PASS
70	69	0.00	2	0.7	478	PASS
127	198	10	80	45.7	92078	PASS
197	198	0.00	2	0.0	57	PASS
198	198	100	100	100.0	201312	PASS
199	198	5	9	6.8	13693	PASS
275	198	10	60	25.6	51469	PASS
365	198	1	100	2.8	5695	PASS
441	442	0.01	24	14.5	17959	PASS
442	198	50	100	61.7	124258	PASS
443	442	15	24	19.1	23706	PASS

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122402.D
Acq On : 12 Nov 2024 05:41 pm
Operator : PAH23:CSP
Sample : I2311122401
Misc : WG1996917,MSBV28
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 13 08:39:50 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 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)	4.414	64	33314	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.763	152	78144	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.414	64	33314	485.202	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 97.04%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.472	88	1014	11.458	ng/mL	93

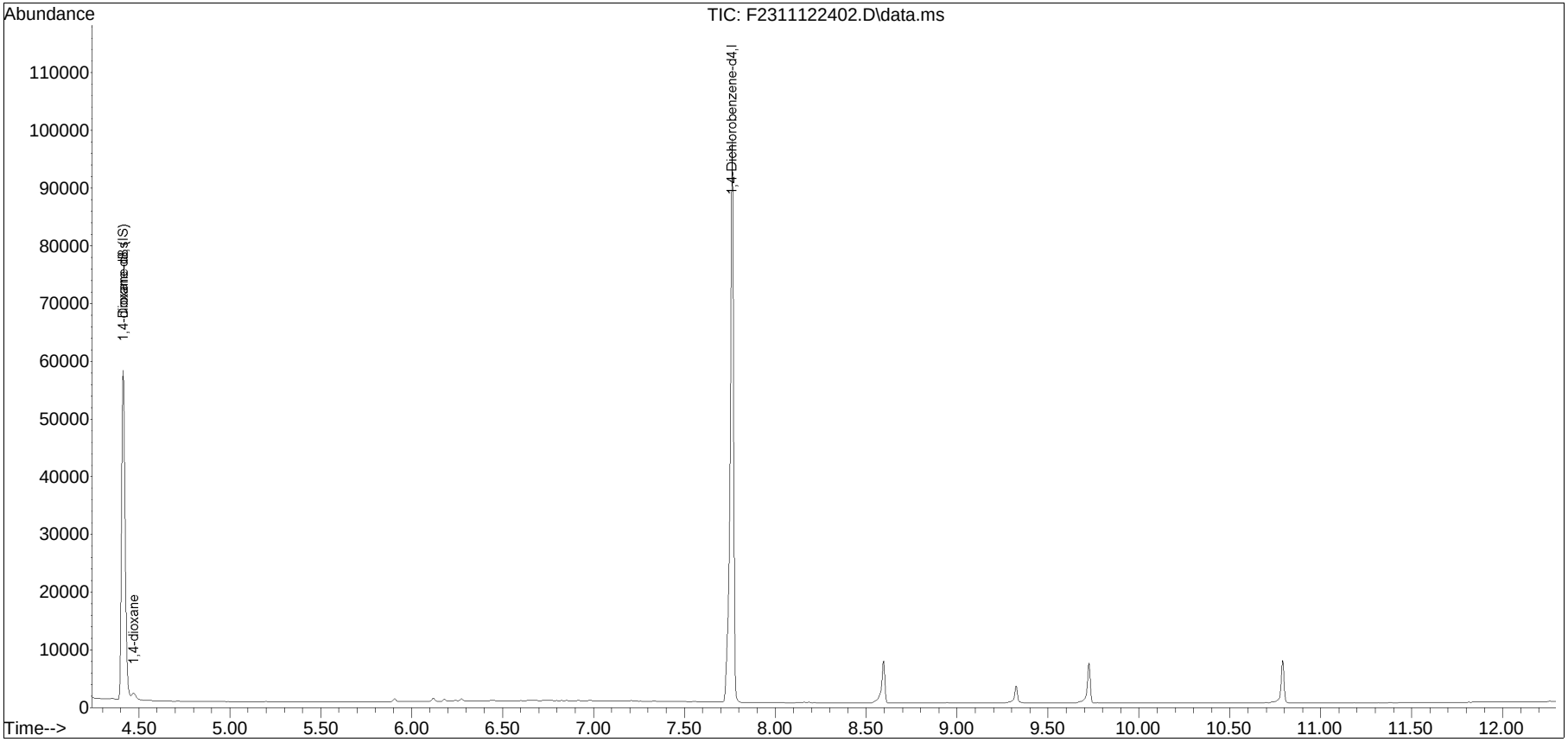
(#) = qualifier out of range (m) = manual integration (+) = signals summed

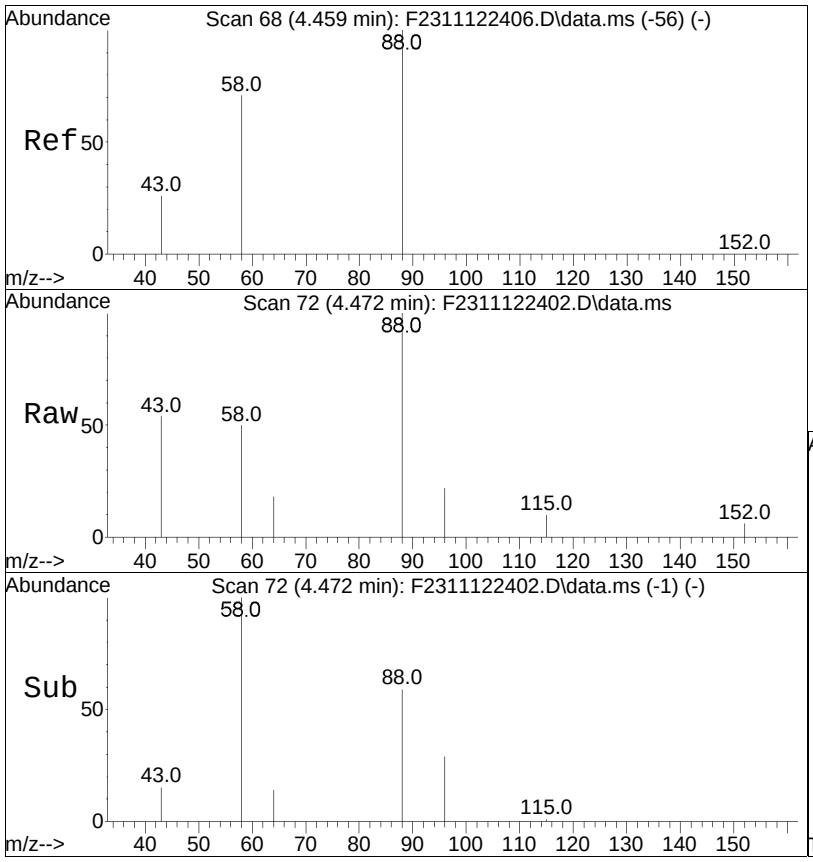
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122402.D
Acq On : 12 Nov 2024 05:41 pm
Operator : PAH23:CSP
Sample : I2311122401
Misc : WG1996917,MSBV28
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 13 08:39:50 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

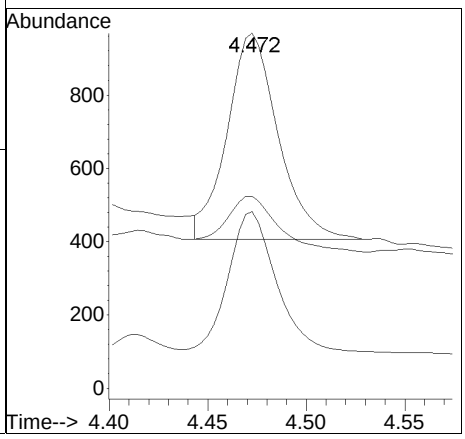




#2
1,4-dioxane
Concen: 11.46 ng/mL
RT: 4.472 min Scan# 72
Delta R.T. 0.013 min
Lab File: F2311122402.D
Acq: 12 Nov 2024 05:41 pm

Tgt Ion: 88 Resp: 1014

Ion	Ratio	Lower	Upper
88	100		
58	64.9	57.5	86.3
43	28.2	21.0	31.6



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311122402.D	Operator	: PAH23:CSP
Date Inj'd	: 11/12/2024 5:41 pm	Instrument	: PAH23
Sample	: I2311122401	Quant Date	: 11/13/2024 8:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122403.D
Acq On : 12 Nov 2024 06:06 pm
Operator : PAH23:CSP
Sample : I2311122402
Misc : WG1996917,MSBV29
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 13 08:39:53 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 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)	4.395	64	33627	500.000	ng/mL	-0.02
3) 1,4-Dichlorobenzene-d4	7.763	152	80249	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.395	64	33627	476.914	ng/mL	-0.02
Spiked Amount 500.000	Range 15 - 115		Recovery = 95.38%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.450	88	4981	55.759	ng/mL	92

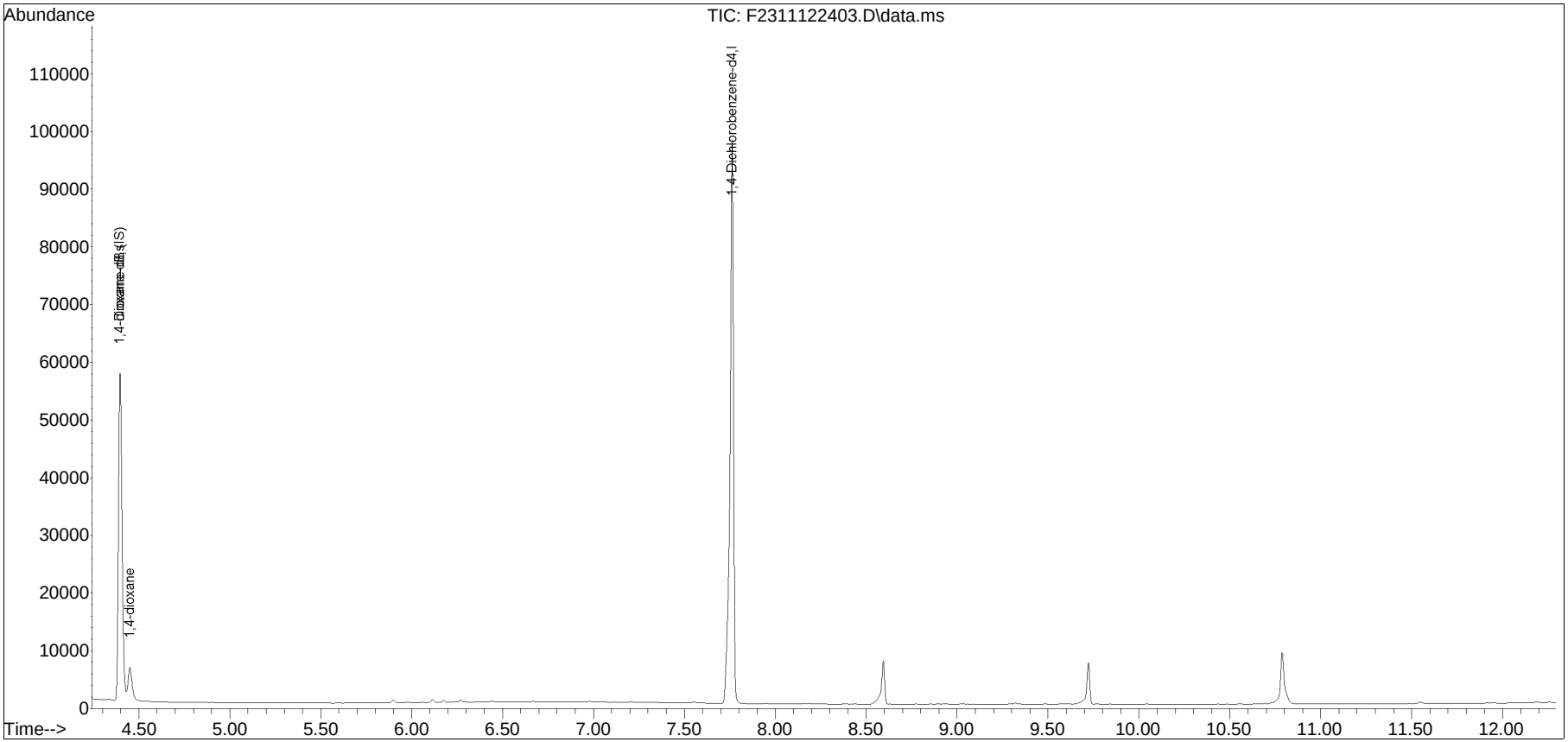
(#) = qualifier out of range (m) = manual integration (+) = signals summed

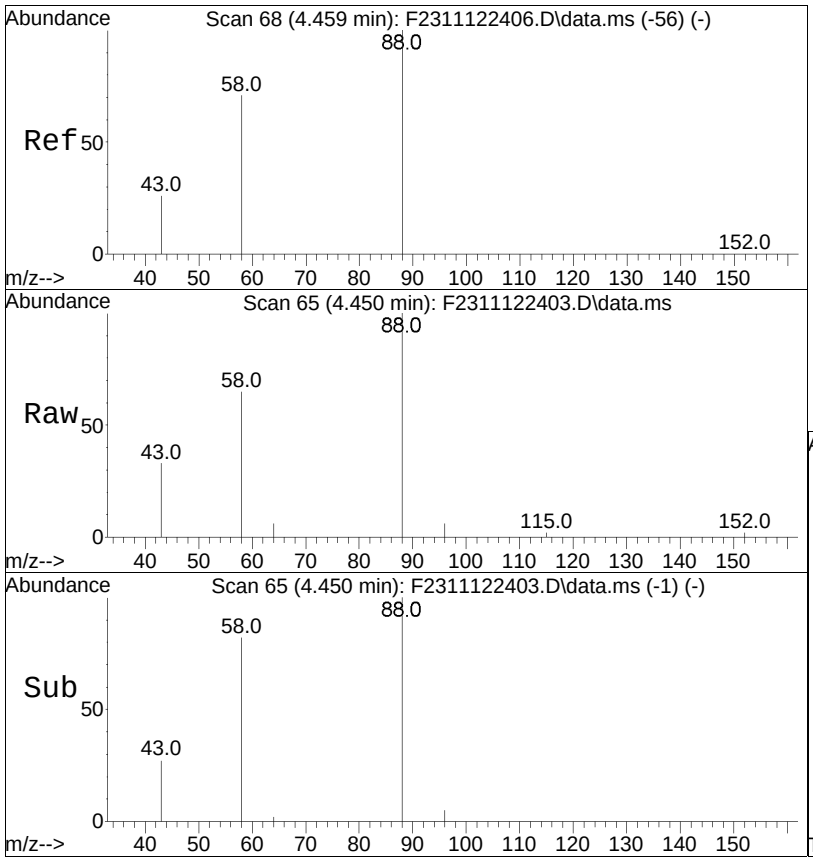
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122403.D
Acq On : 12 Nov 2024 06:06 pm
Operator : PAH23:CSP
Sample : I2311122402
Misc : WG1996917,MSBV29
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 13 08:39:53 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

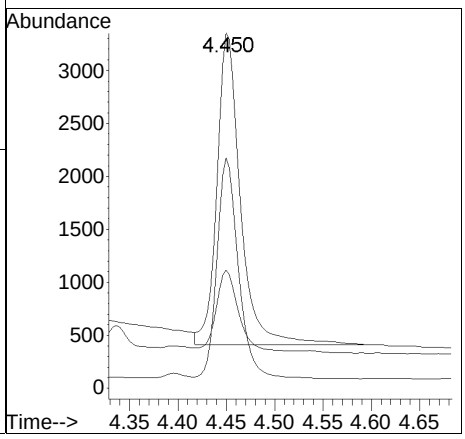




#2
1,4-dioxane
Concen: 55.76 ng/mL
RT: 4.450 min Scan# 65
Delta R.T. -0.009 min
Lab File: F2311122403.D
Acq: 12 Nov 2024 06:06 pm

Tgt Ion: 88 Resp: 4981

Ion	Ratio	Lower	Upper
88	100		
58	64.3	57.5	86.3
43	24.1	21.0	31.6



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311122403.D	Operator	: PAH23:CSP
Date Inj'd	: 11/12/2024 6:06 pm	Instrument	: PAH23
Sample	: I2311122402	Quant Date	: 11/13/2024 8:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122404.D
Acq On : 12 Nov 2024 06:30 pm
Operator : PAH23:CSP
Sample : I2311122403
Misc : WG1996917,MSBV30
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 08:39:56 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 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)	4.398	64	34175	500.000	ng/mL	-0.01
3) 1,4-Dichlorobenzene-d4	7.760	152	76150	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.398	64	34175	510.776	ng/mL	-0.01
Spiked Amount 500.000	Range 15 - 115		Recovery = 102.16%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.450	88	9368	103.188	ng/mL	97

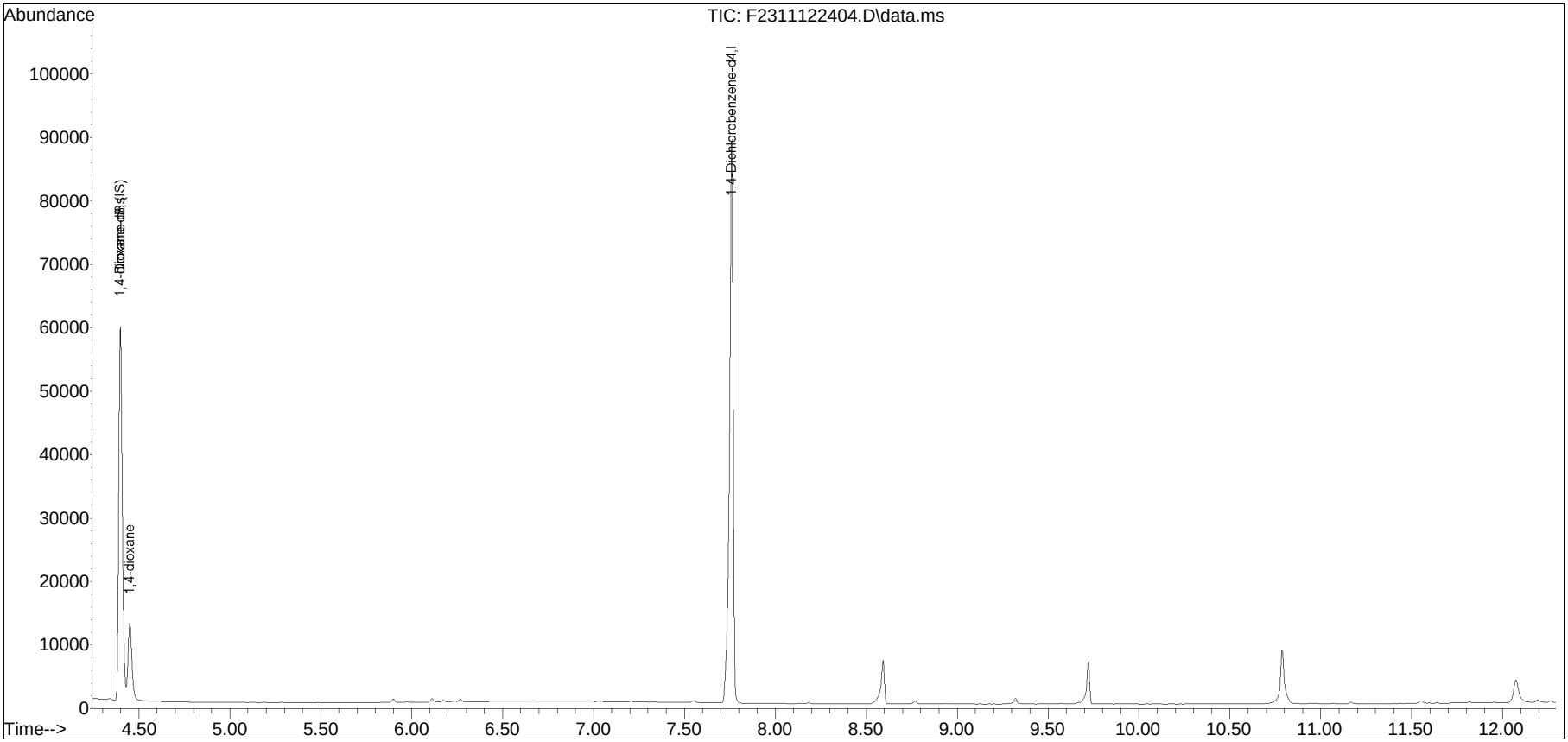
(#) = qualifier out of range (m) = manual integration (+) = signals summed

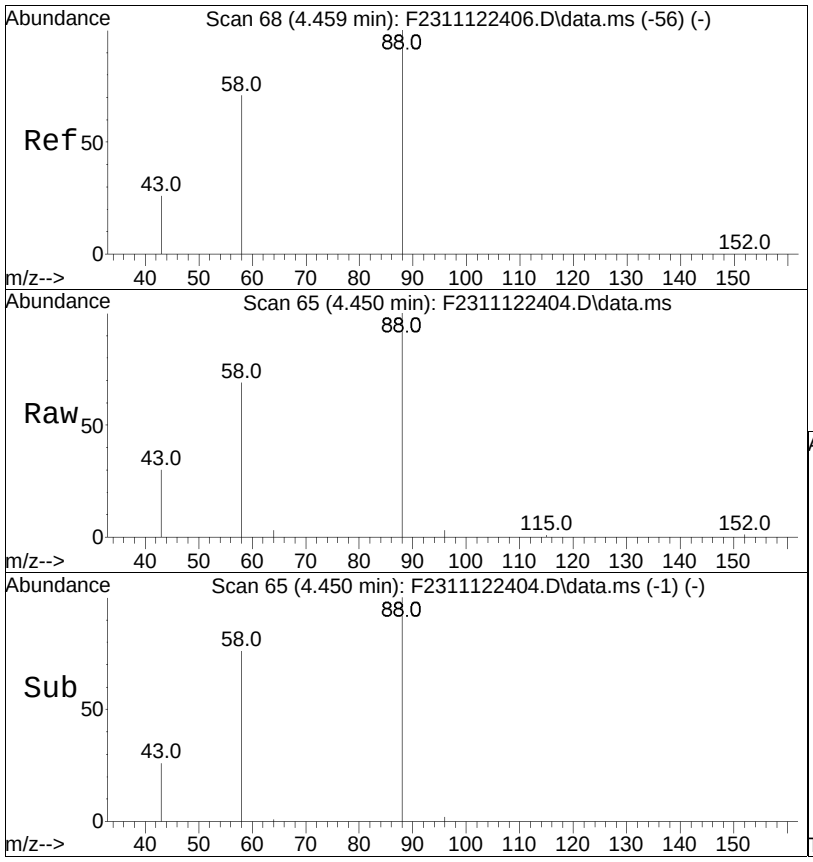
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122404.D
Acq On : 12 Nov 2024 06:30 pm
Operator : PAH23:CSP
Sample : I2311122403
Misc : WG1996917,MSBV30
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 08:39:56 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

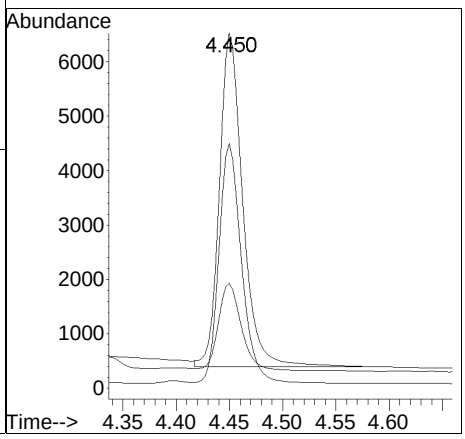




#2
1,4-dioxane
Concen: 103.19 ng/mL
RT: 4.450 min Scan# 65
Delta R.T. -0.009 min
Lab File: F2311122404.D
Acq: 12 Nov 2024 06:30 pm

Tgt Ion: 88 Resp: 9368

Ion	Ratio	Lower	Upper
88	100		
58	69.3	57.5	86.3
43	25.5	21.0	31.6



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311122404.D	Operator	: PAH23:CSP
Date Inj'd	: 11/12/2024 6:30 pm	Instrument	: PAH23
Sample	: I2311122403	Quant Date	: 11/13/2024 8:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122405.D
Acq On : 12 Nov 2024 06:54 pm
Operator : PAH23:CSP
Sample : I2311122404
Misc : WG1996917,MSBV31
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 13 08:39:59 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 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)	4.404	64	33894	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.763	152	76415	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.404	64	33894	504.819	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.96%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.453	88	43927	487.863	ng/mL	100

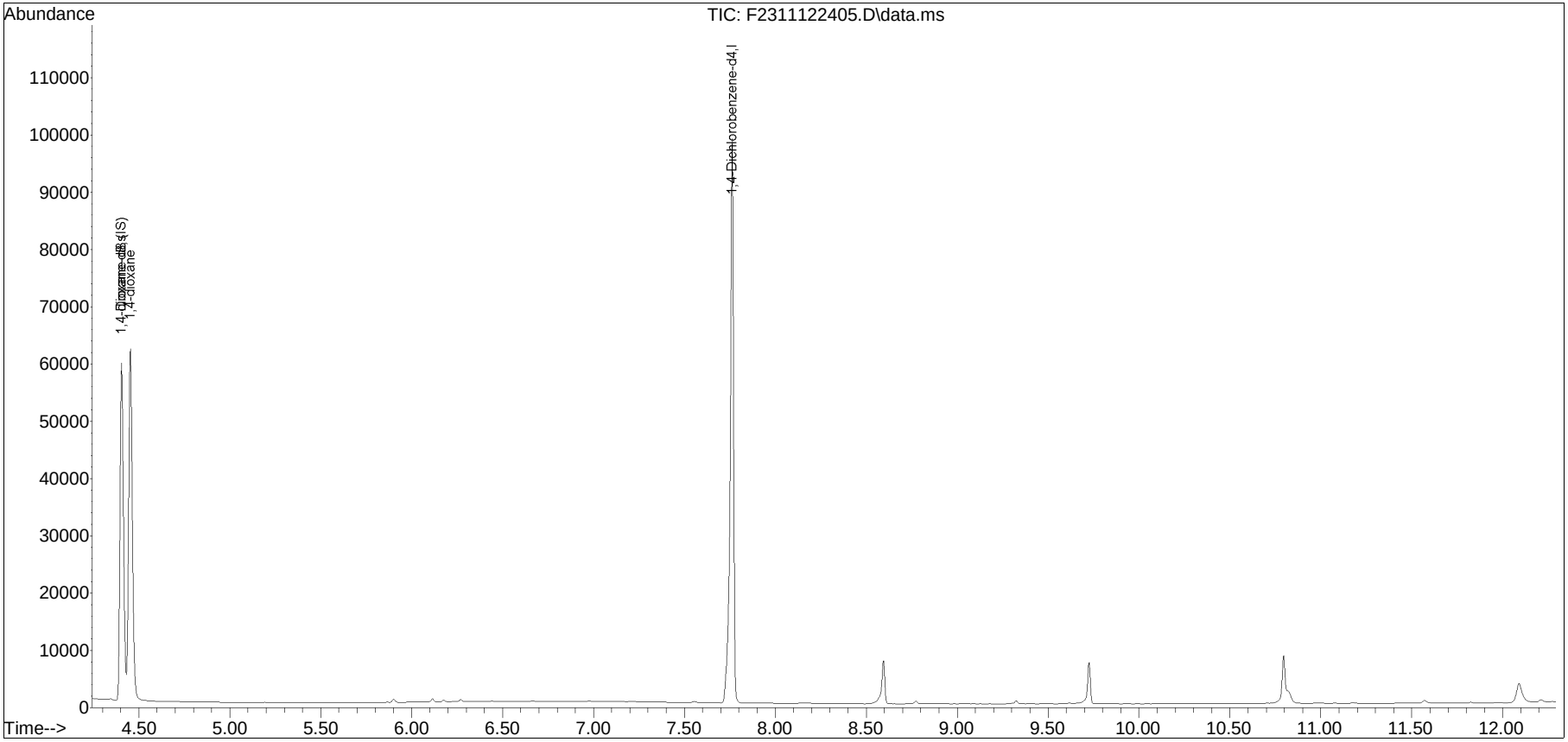
(#) = qualifier out of range (m) = manual integration (+) = signals summed

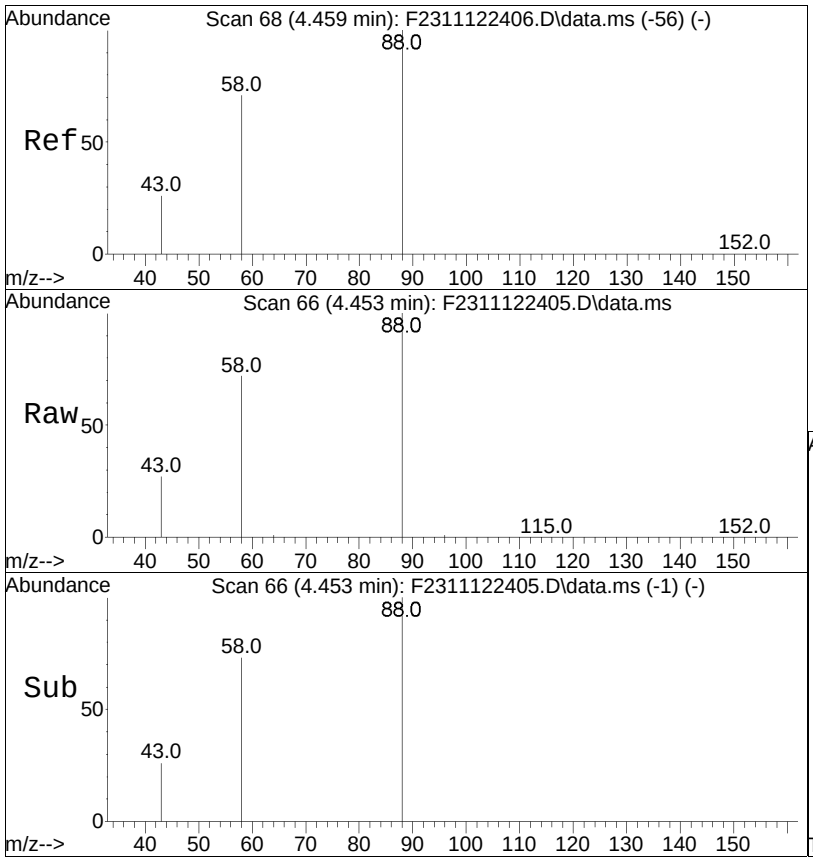
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122405.D
Acq On : 12 Nov 2024 06:54 pm
Operator : PAH23:CSP
Sample : I2311122404
Misc : WG1996917,MSBV31
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 13 08:39:59 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

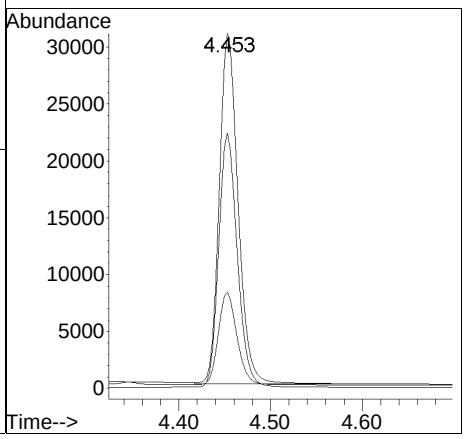




#2
1,4-dioxane
Concen: 487.86 ng/mL
RT: 4.453 min Scan# 66
Delta R.T. -0.006 min
Lab File: F2311122405.D
Acq: 12 Nov 2024 06:54 pm

Tgt Ion: 88 Resp: 43927

Ion	Ratio	Lower	Upper
88	100		
58	71.7	57.5	86.3
43	26.1	21.0	31.6



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311122405.D	Operator	: PAH23:CSP
Date Inj'd	: 11/12/2024 6:54 pm	Instrument	: PAH23
Sample	: I2311122404	Quant Date	: 11/13/2024 8:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122406.D
Acq On : 12 Nov 2024 07:18 pm
Operator : PAH23:CSP
Sample : I2311122405
Misc : WG1996917,MSBV33
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 08:40:02 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 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)	4.411	64	34637	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.760	152	76697	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.411	64	34637	513.989	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 102.80%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.459	88	90177	980.041	ng/mL	100

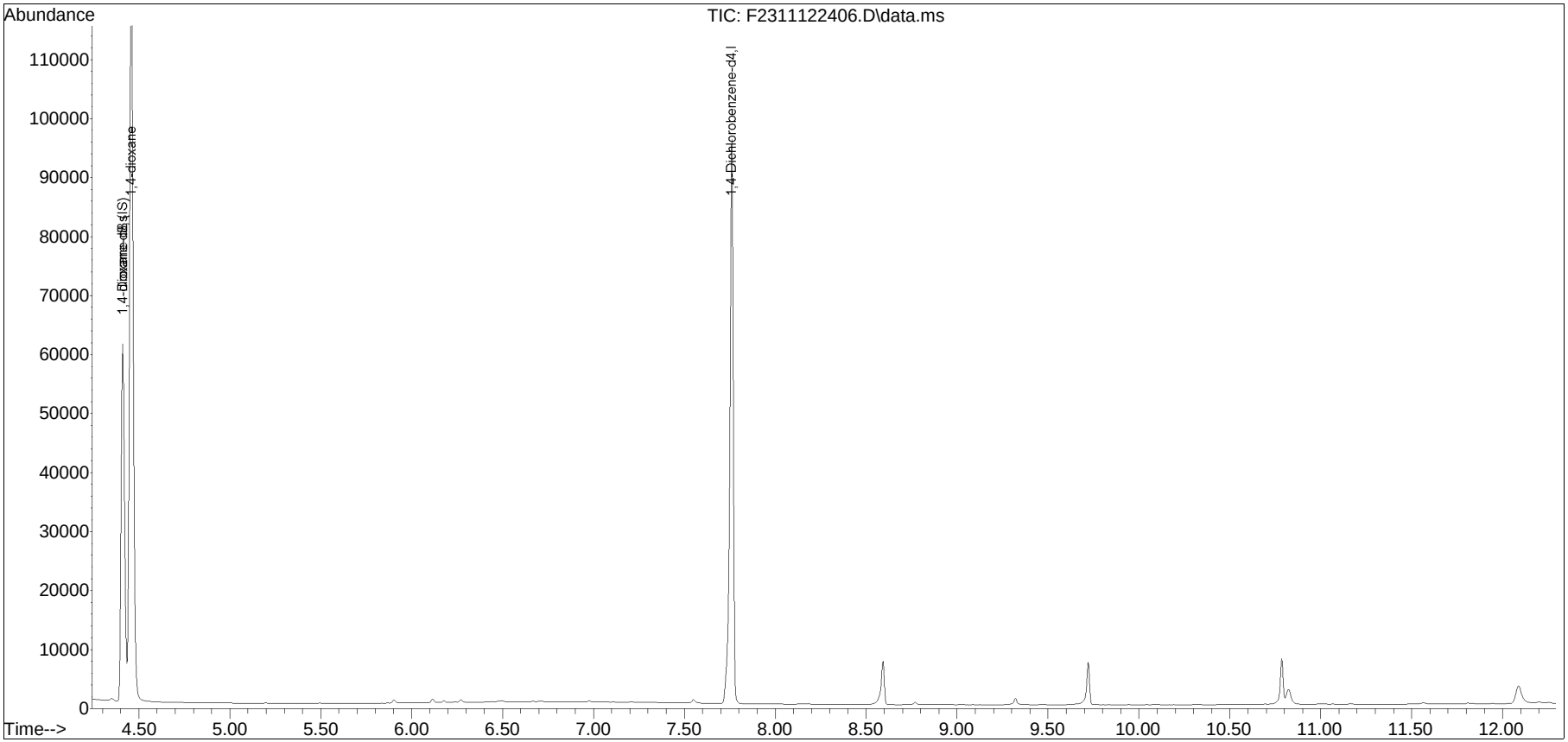
(#) = qualifier out of range (m) = manual integration (+) = signals summed

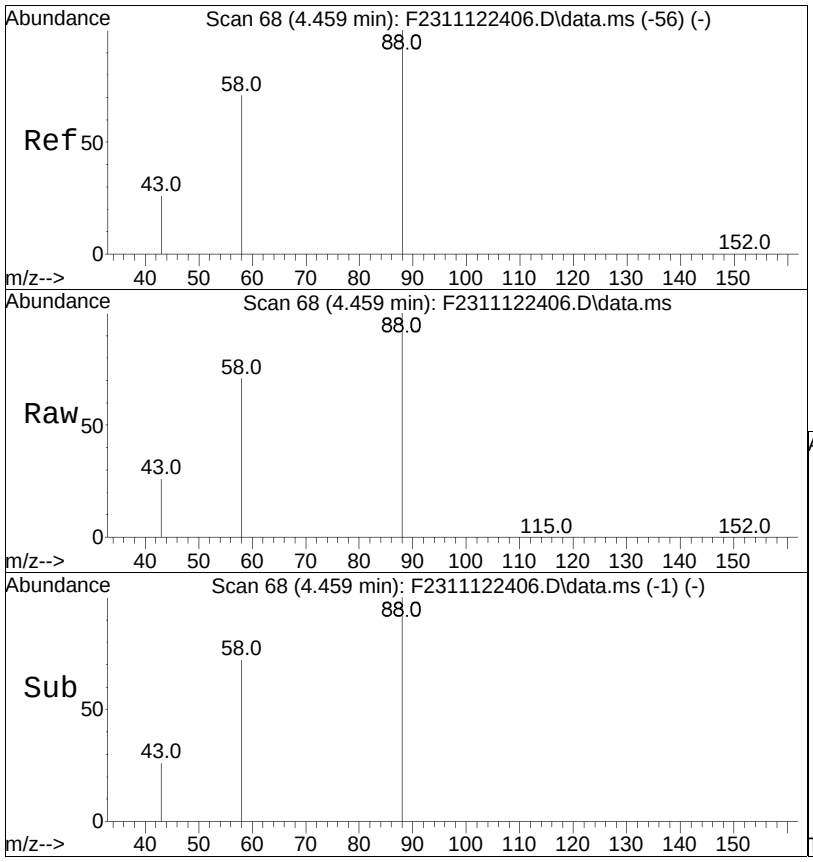
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122406.D
Acq On : 12 Nov 2024 07:18 pm
Operator : PAH23:CSP
Sample : I2311122405
Misc : WG1996917,MSBV33
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 13 08:40:02 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

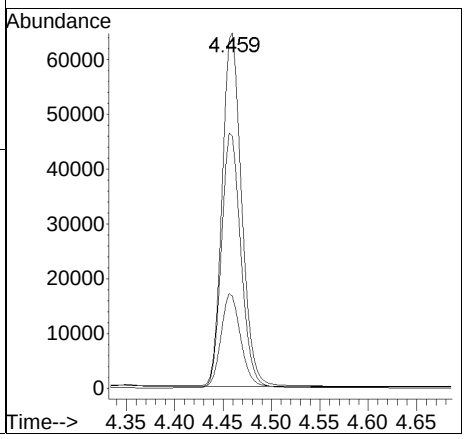




#2
1,4-dioxane
Concen: 980.04 ng/mL
RT: 4.459 min Scan# 68
Delta R.T. 0.000 min
Lab File: F2311122406.D
Acq: 12 Nov 2024 07:18 pm

Tgt Ion: 88 Resp: 90177

Ion	Ratio	Lower	Upper
88	100		
58	71.9	57.5	86.3
43	26.3	21.0	31.6



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311122406.D	Operator	: PAH23:CSP
Date Inj'd	: 11/12/2024 7:18 pm	Instrument	: PAH23
Sample	: I2311122405	Quant Date	: 11/13/2024 8:40 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122407.D
Acq On : 12 Nov 2024 07:42 pm
Operator : PAH23:CSP
Sample : I2311122406
Misc : WG1996917,MSBV32
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 08:40:05 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 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)	4.382	64	32927	500.000	ng/mL	-0.03
3) 1,4-Dichlorobenzene-d4	7.760	152	76751	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.382	64	32927	488.270	ng/mL	-0.03
Spiked Amount 500.000	Range 15 - 115		Recovery = 97.65%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.427	88	395443	4520.854	ng/mL	99

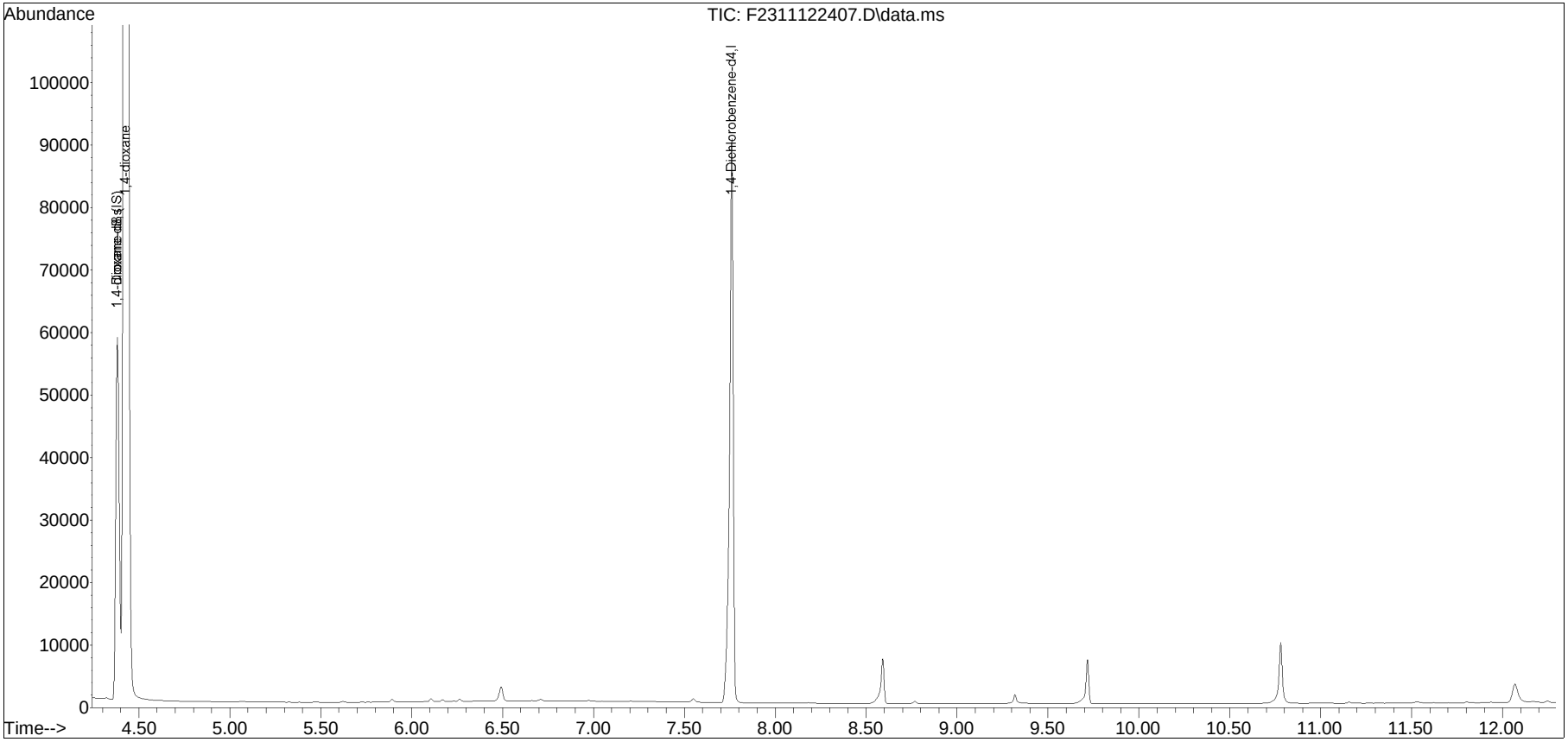
(#) = qualifier out of range (m) = manual integration (+) = signals summed

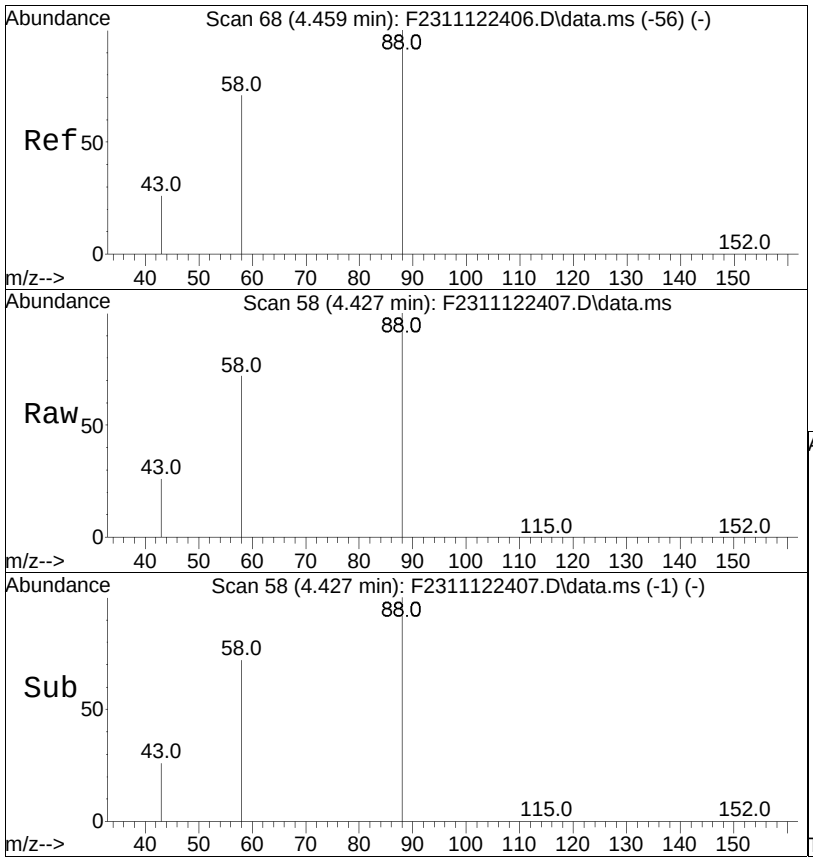
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122407.D
Acq On : 12 Nov 2024 07:42 pm
Operator : PAH23:CSP
Sample : I2311122406
Misc : WG1996917,MSBV32
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 13 08:40:05 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

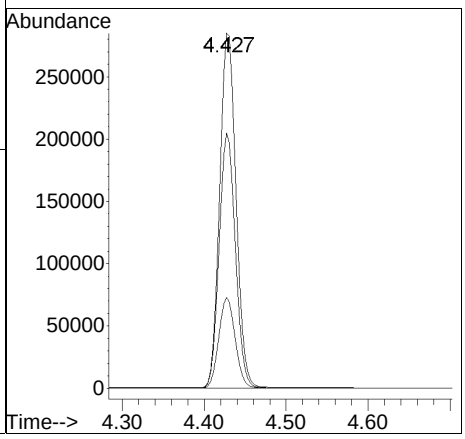




#2
1,4-dioxane
Concen: 4520.85 ng/mL
RT: 4.427 min Scan# 58
Delta R.T. -0.032 min
Lab File: F2311122407.D
Acq: 12 Nov 2024 07:42 pm

Tgt Ion: 88 Resp: 395443

Ion	Ratio	Lower	Upper
88	100		
58	71.6	57.5	86.3
43	25.6	21.0	31.6



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311122407.D	Operator	: PAH23:CSP
Date Inj'd	: 11/12/2024 7:42 pm	Instrument	: PAH23
Sample	: I2311122406	Quant Date	: 11/13/2024 8:40 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122408.D
Acq On : 12 Nov 2024 08:06 pm
Operator : PAH23:CSP
Sample : I2311122407
Misc : WG1996917,MSBV27
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 13 08:40:08 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 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)	4.385	64	33391	500.000	ng/mL	-0.03
3) 1,4-Dichlorobenzene-d4	7.760	152	73079	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.385	64	33391	520.030	ng/mL	-0.03
Spiked Amount 500.000	Range 15 - 115		Recovery = 104.01%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.434	88	751519	8472.260	ng/mL	98

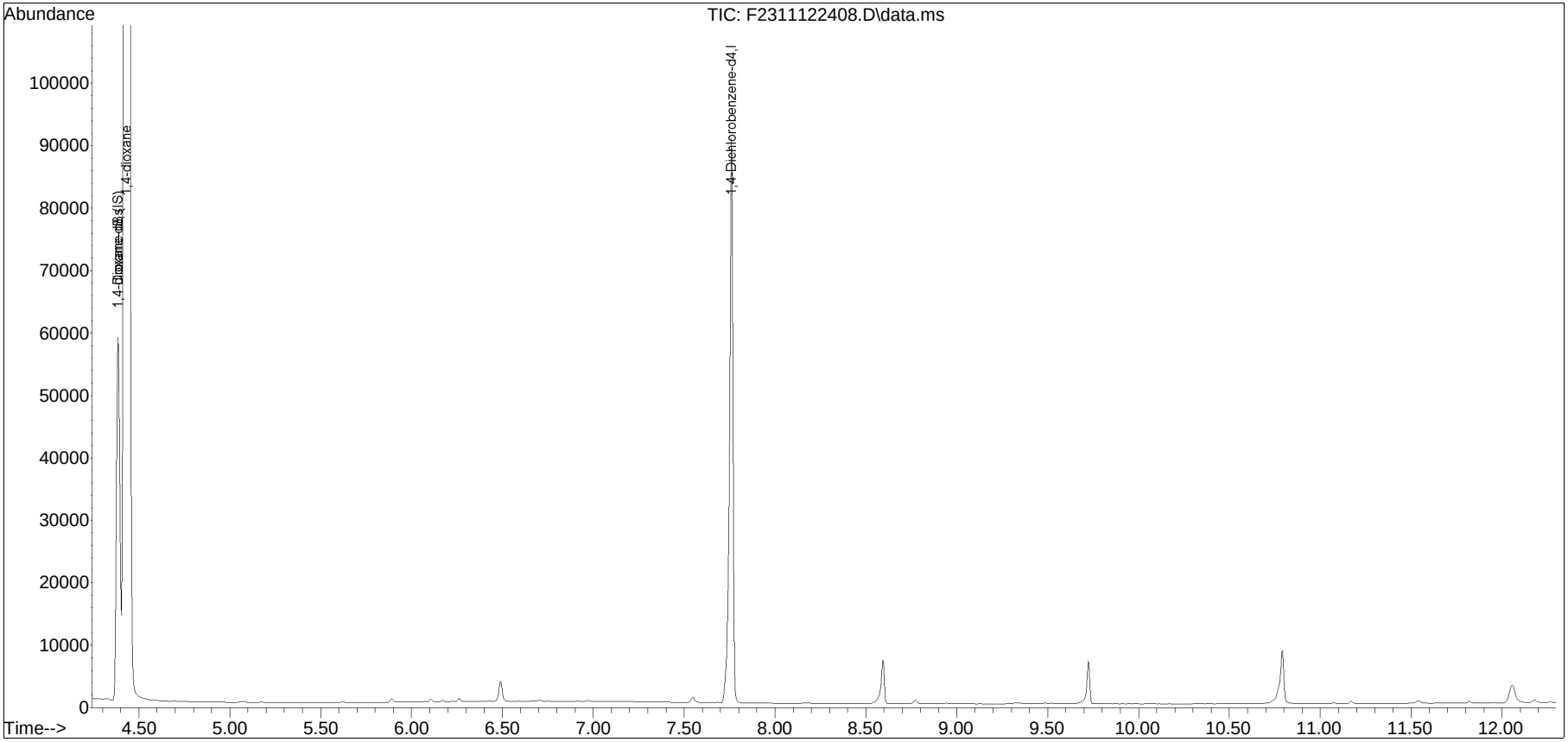
(#) = qualifier out of range (m) = manual integration (+) = signals summed

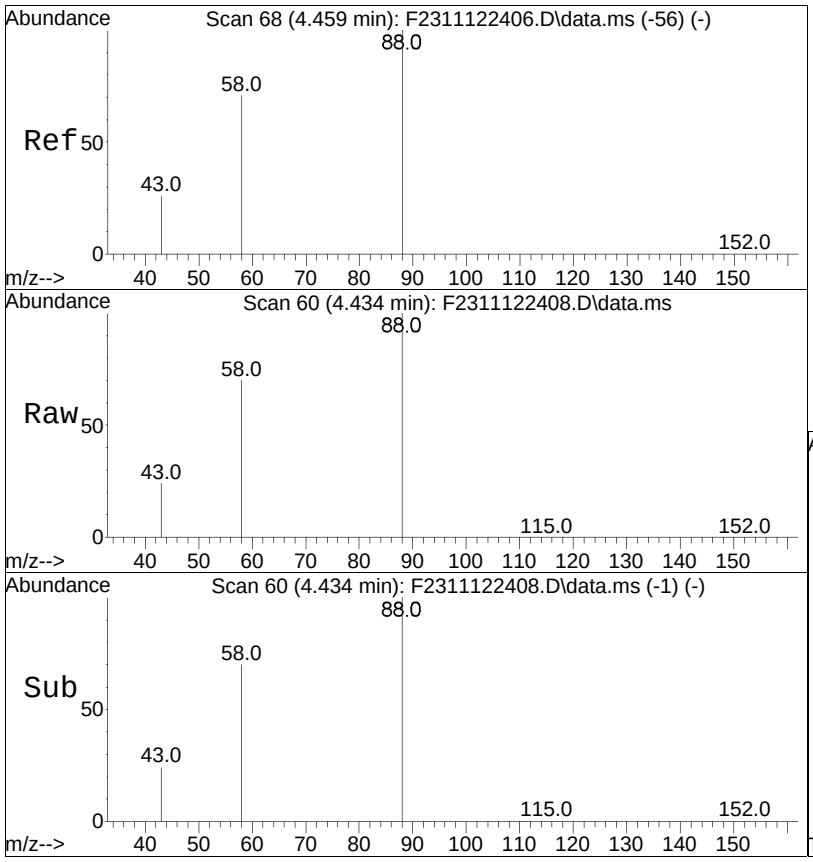
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122408.D
Acq On : 12 Nov 2024 08:06 pm
Operator : PAH23:CSP
Sample : I2311122407
Misc : WG1996917,MSBV27
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 13 08:40:08 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

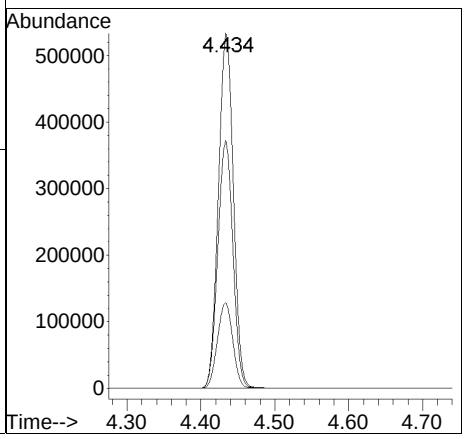




#2
1,4-dioxane
Concen: 8472.26 ng/mL
RT: 4.434 min Scan# 60
Delta R.T. -0.025 min
Lab File: F2311122408.D
Acq: 12 Nov 2024 08:06 pm

Tgt Ion: 88 Resp: 751519

Ion	Ratio	Lower	Upper
88	100		
58	70.5	57.5	86.3
43	24.7	21.0	31.6



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311122408.D	Operator	: PAH23:CSP
Date Inj'd	: 11/12/2024 8:06 pm	Instrument	: PAH23
Sample	: I2311122407	Quant Date	: 11/13/2024 8:40 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122409.D
Acq On : 12 Nov 2024 08:30 pm
Operator : PAH23:CSP
Sample : CQ2311122401
Misc : WG1996917,MSBV37
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 08:40:22 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 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	95	-0.04
2	1,4-dioxane	1.328	1.241	6.6	90	-0.04
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
4 s	1,4-dioxane-d8	0.439	0.453	-3.2	99	-0.04

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122409.D
Acq On : 12 Nov 2024 08:30 pm
Operator : PAH23:CSP
Sample : CQ2311122401
Misc : WG1996917,MSBV37
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 08:40:22 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 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)	4.375	64	32836	500.000	ng/mL	-0.04
3) 1,4-Dichlorobenzene-d4	7.763	152	72488	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.375	64	32836	515.556	ng/mL	-0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 103.11%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.424	88	81511	934.447	ng/mL	100

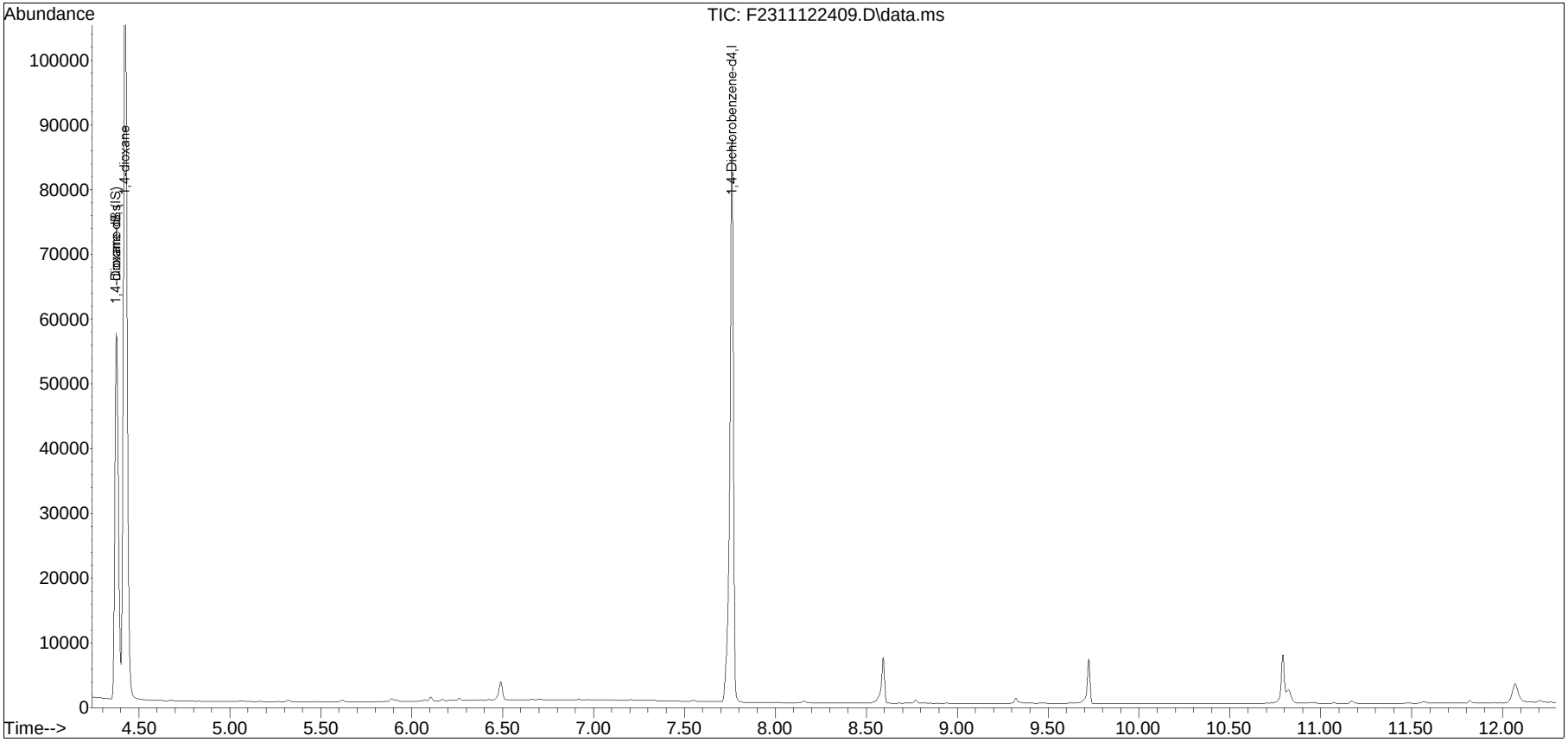
(#) = qualifier out of range (m) = manual integration (+) = signals summed

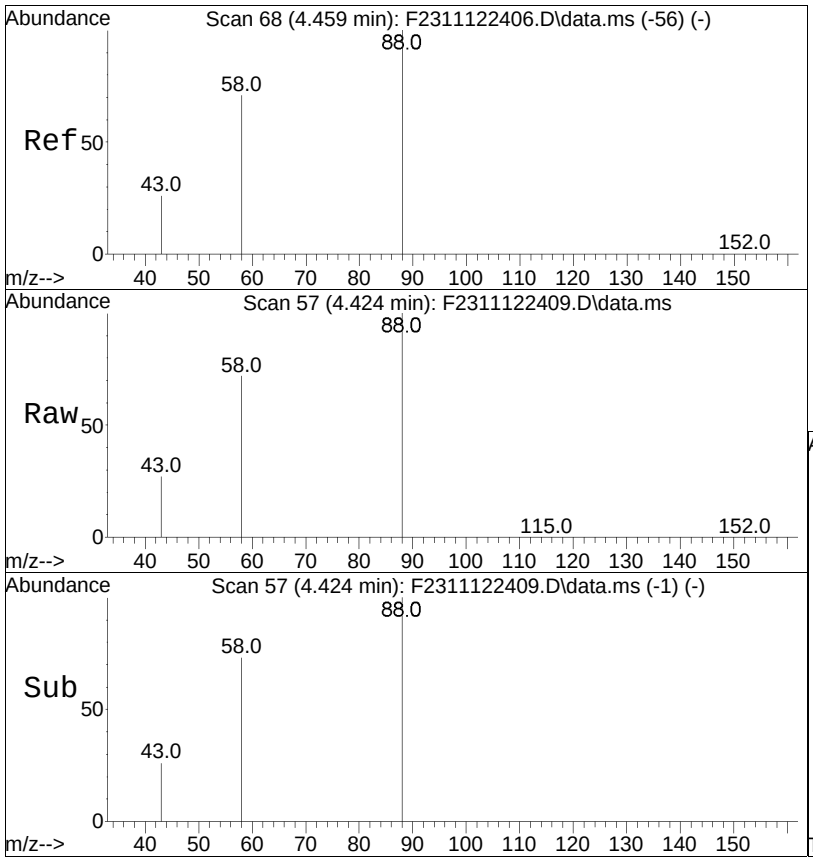
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\
Data File : F2311122409.D
Acq On : 12 Nov 2024 08:30 pm
Operator : PAH23:CSP
Sample : CQ2311122401
Misc : WG1996917,MSBV37
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 08:40:22 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Nov 13 08:38:49 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

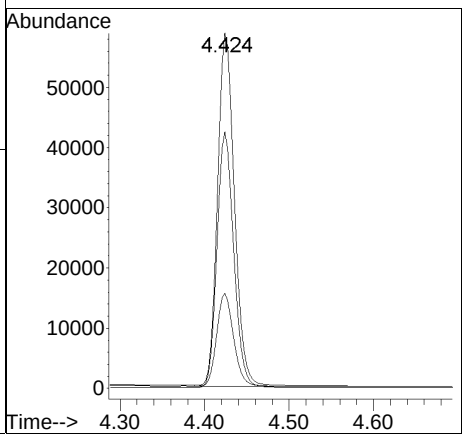




#2
1,4-dioxane
Concen: 934.45 ng/mL
RT: 4.424 min Scan# 57
Delta R.T. -0.035 min
Lab File: F2311122409.D
Acq: 12 Nov 2024 08:30 pm

Tgt Ion: 88 Resp: 81511

Ion	Ratio	Lower	Upper
88	100		
58	71.9	57.5	86.3
43	26.2	21.0	31.6



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311122409.D	Operator	: PAH23:CSP
Date Inj'd	: 11/12/2024 8:30 pm	Instrument	: PAH23
Sample	: CQ2311122401	Quant Date	: 11/13/2024 8:40 am

There are no manual integrations or false positives in this file.

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: PAH23		**Calibration Date**	: 11/25/24 21:31	
Lab File ID	: F2311252427		**Init. Calib. Date(s)**	: 11/12/24	11/12/24
Sample No	: WG2001981-4		**Init. Calib. Times**	: 17:41	20:06
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane-d8 (IS)	1	1	-	0	20	78	0
1,4-dioxane	1.328	1.422	-	-7.1	20	85	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	83	0
1,4-dioxane-d8	0.439	0.425	-	3.2	20	81	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252427.D
Acq On : 25 Nov 2024 09:31 pm
Operator : PAH23:CSP
Sample : WG2001981-4
Misc : WG2001981,,ICAL21701,MSBV45
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 11:01:46 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	78	0.00
2	1,4-dioxane	1.328	1.422	-7.1	85	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
4 s	1,4-dioxane-d8	0.439	0.425	3.2	81	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 : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252427.D
Acq On : 25 Nov 2024 09:31 pm
Operator : PAH23:CSP
Sample : WG2001981-4
Misc : WG2001981,,ICAL21701,MSBV45
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 11:01:46 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.283	64	26911	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.716	152	63315	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.283	64	26911	483.743	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 96.75%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.332	88	76522	1070.398	ng/mL	97

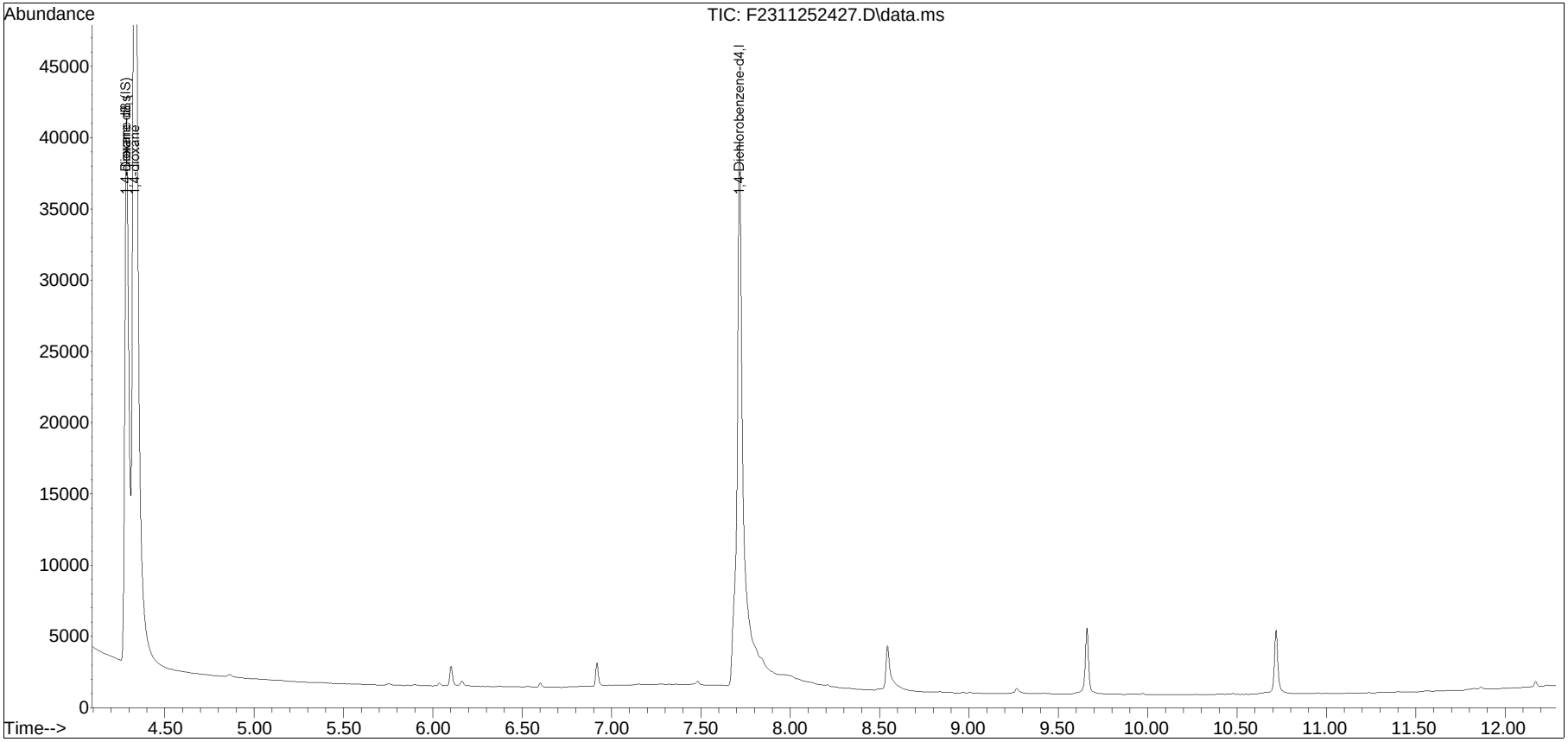
(#) = qualifier out of range (m) = manual integration (+) = signals summed

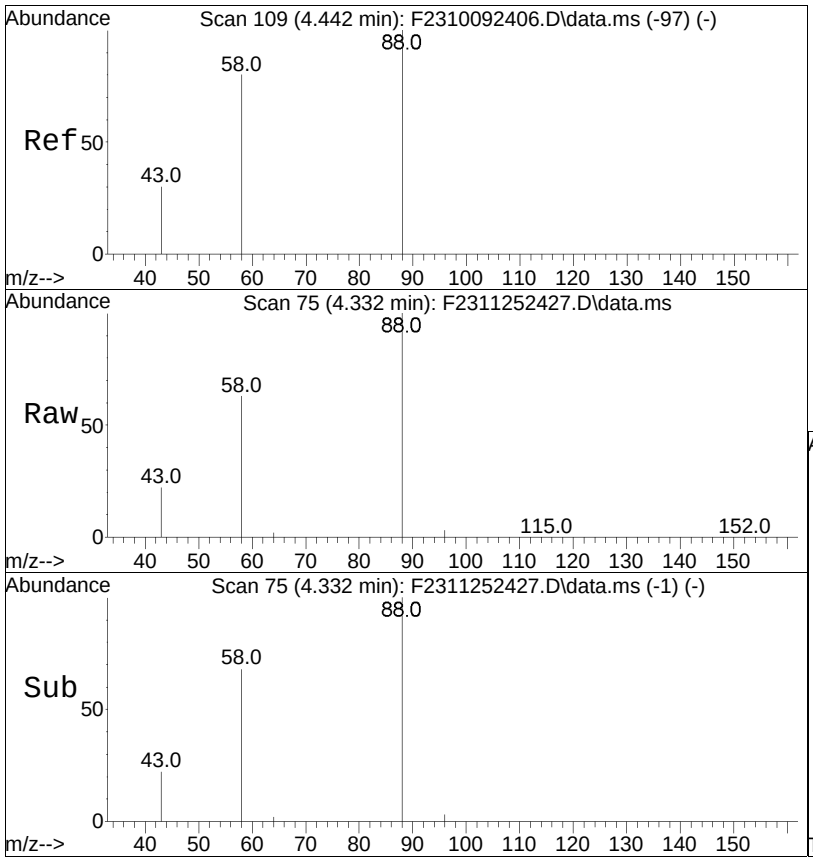
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252427.D
Acq On : 25 Nov 2024 09:31 pm
Operator : PAH23:CSP
Sample : WG2001981-4
Misc : WG2001981,,ICAL21701,MSBV45
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 26 11:01:46 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

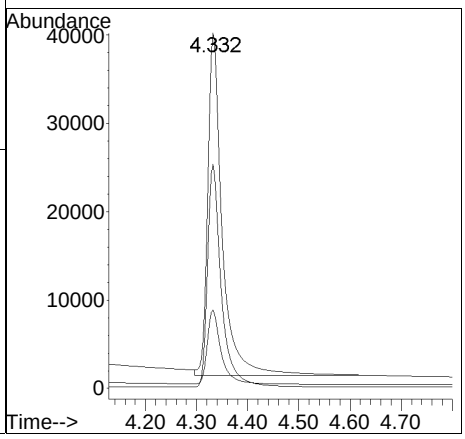




#2
1,4-dioxane
Concen: 1070.40 ng/mL
RT: 4.332 min Scan# 75
Delta R.T. 0.003 min
Lab File: F2311252427.D
Acq: 25 Nov 2024 09:31 pm

Tgt Ion: 88 Resp: 76522

Ion	Ratio	Lower	Upper
88	100		
58	61.6	51.1	76.7
43	20.6	17.4	26.2



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311252427.D	Operator	: PAH23:CSP
Date Inj'd	: 11/25/2024 9:31 pm	Instrument	: PAH23
Sample	: WG2001981-4	Quant Date	: 11/26/2024 11:01 am

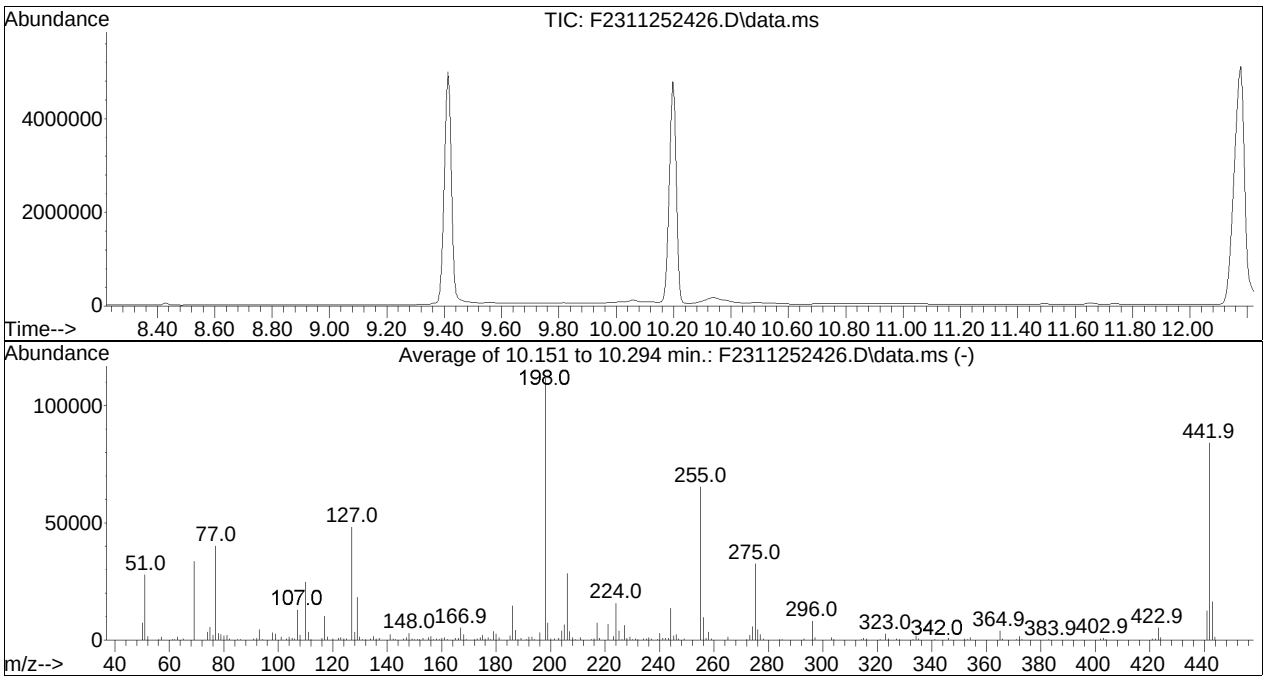
There are no manual integrations or false positives in this file.

Semivolatiles Raw QC Data

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252426.D
Acq On : 25 Nov 2024 08:47 pm
Operator : PAH23:CSP
Sample : WG2001981-3
Misc : WG2001981,,ICAL21701,MSBV35
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Title : Semivolatiles by GC/MS
Last Update : Fri Nov 22 10:14:35 2024



Spectrum Information: Average of 10.151 to 10.294 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	25.1	27990	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	43.3	48261	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	111343	PASS
199	198	5	9	6.7	7491	PASS
275	198	10	60	29.3	32647	PASS
365	198	1	100	3.6	4026	PASS
441	442	0.01	24	14.9	12482	PASS
442	198	50	100	75.5	84009	PASS
443	442	15	24	19.5	16410	PASS

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252428.D
Acq On : 25 Nov 2024 09:57 pm
Operator : PAH23:CSP
Sample : wg2001184-1,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 11:01:48 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.345	64	12351	500.000	ng/mL	0.06
3) 1,4-Dichlorobenzene-d4	7.717	152	63315	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.345	64	12351	222.017	ng/mL	0.06
Spiked Amount 500.000	Range 15 - 115		Recovery = 44.40%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.		

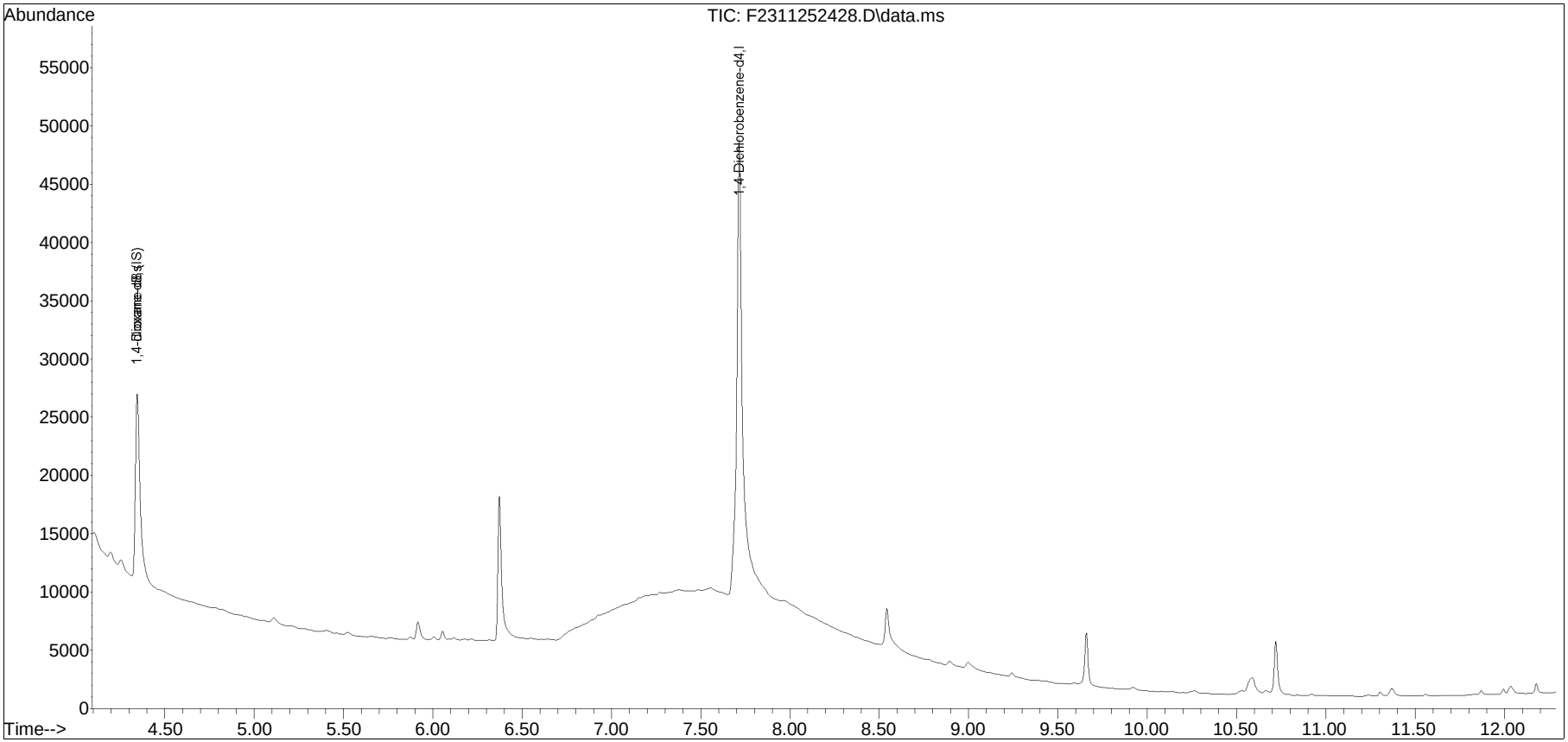
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252428.D
Acq On : 25 Nov 2024 09:57 pm
Operator : PAH23:CSP
Sample : wg2001184-1,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 26 11:01:48 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH23\	QMethod	: 14DIOX1112PAH23.M
Data File	: F2311252428.D	Operator	: PAH23:CSP
Date Inj'd	: 11/25/2024 9:57 pm	Instrument	: PAH23
Sample	: wg2001184-1,32,,	Quant Date	: 11/26/2024 11:01 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252429.D
Acq On : 25 Nov 2024 10:23 pm
Operator : PAH23:CSP
Sample : wg2001184-2,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 11:01:50 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.371	64	13277	500.000	ng/mL	0.09
3) 1,4-Dichlorobenzene-d4	7.717	152	60974	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.371	64	13277	247.826	ng/mL	0.09
Spiked Amount 500.000	Range 15 - 115		Recovery = 49.57%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.416	88	23809M7	675.041	ng/mL	

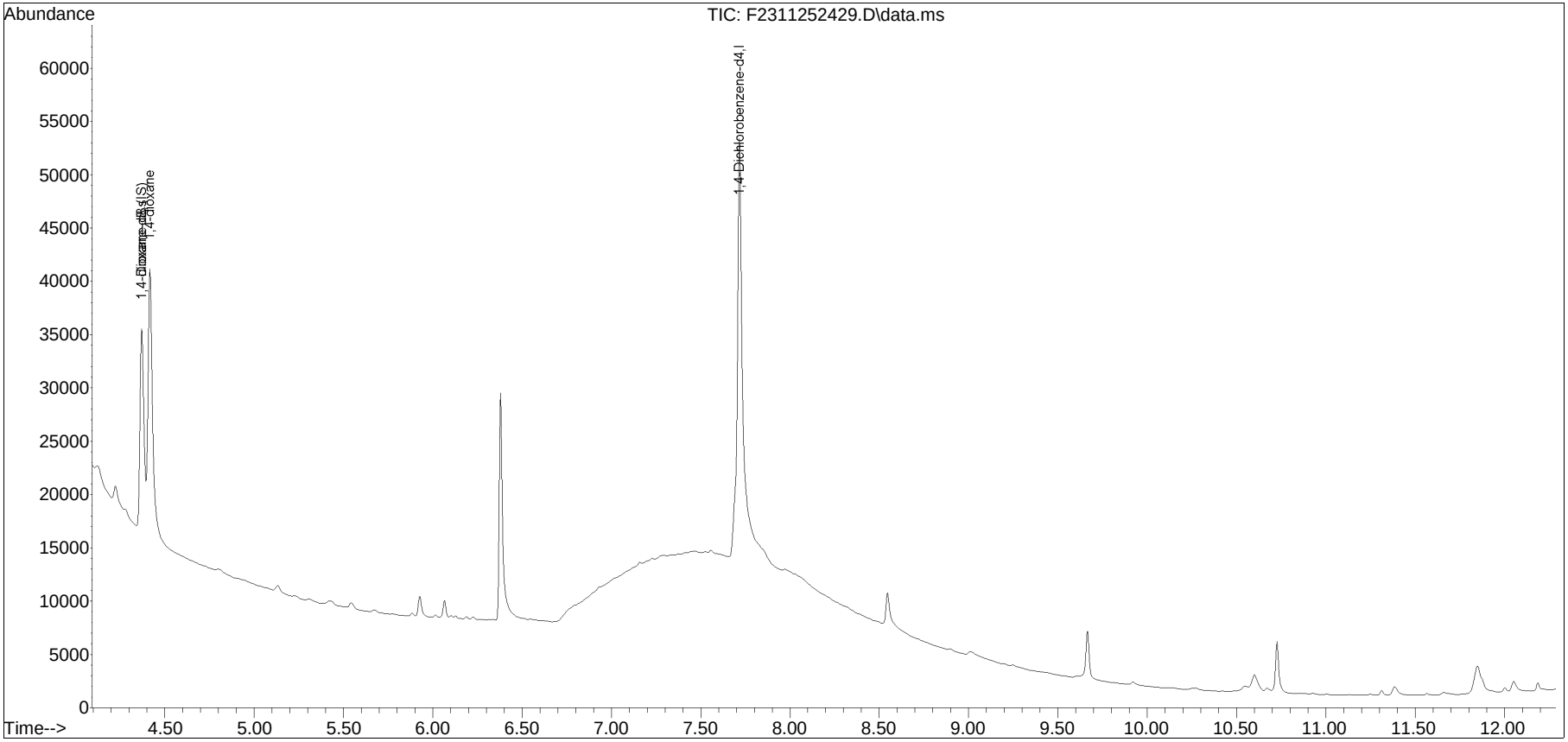
(#) = qualifier out of range (m) = manual integration (+) = signals summed

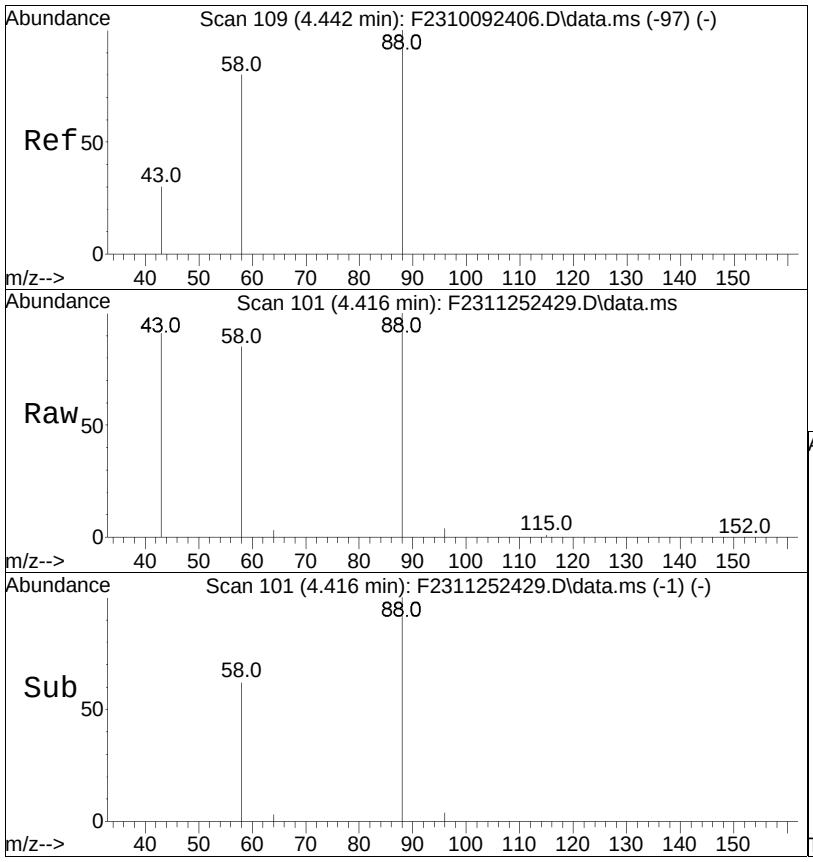
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252429.D
Acq On : 25 Nov 2024 10:23 pm
Operator : PAH23:CSP
Sample : wg2001184-2,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 26 11:01:50 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

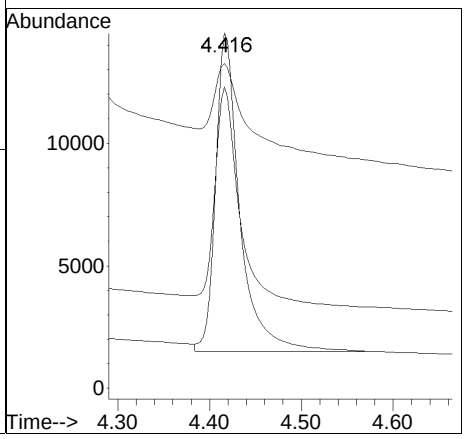




#2
1,4-dioxane
Concen: 675.04 ng/mL M7
RT: 4.416 min Scan# 101
Delta R.T. 0.087 min
Lab File: F2311252429.D
Acq: 25 Nov 2024 10:23 pm

Tgt Ion: 88 Resp: 23809

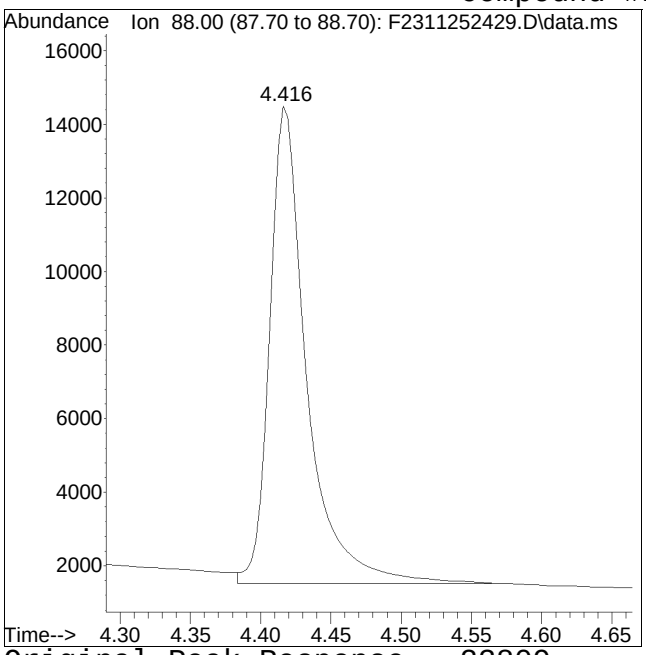
Ion	Ratio	Lower	Upper
88	100		
58	72.4	51.1	76.7
43	25.6	17.4	26.2



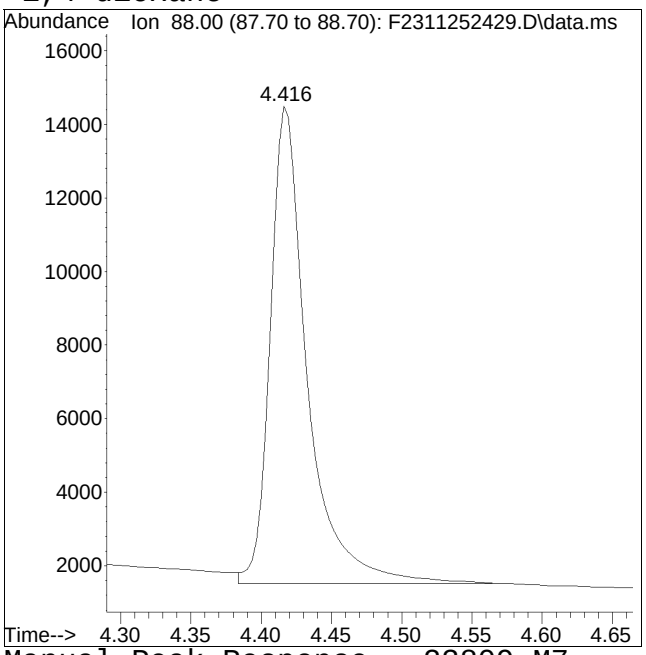
Manual Integration/Negative Proof Report

Data Path : S:\Organics-NEW\DATA\PAH23\QMethod : 14DIOX1112PAH23.M
Data File : F2311252429.D Operator : PAH23:CSP
Date Inj'd : 11/25/2024 10:23 pm Instrument : PAH23
Sample : wg2001184-2,32,, Quant Date : 11/26/2024 11:01 am

Compound #2: 1,4-dioxane



Original Peak Response = 23809



Manual Peak Response = 23809 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252430.D
Acq On : 25 Nov 2024 10:48 pm
Operator : PAH23:CSP
Sample : wg2001184-3,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 11:01:52 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.348	64	12289	500.000	ng/mL	0.07
3) 1,4-Dichlorobenzene-d4	7.717	152	63309	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.348	64	12289	220.924	ng/mL	0.07
Spiked Amount 500.000	Range 15 - 115		Recovery = 44.18%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.397	88	21612M4	662.014	ng/mL	

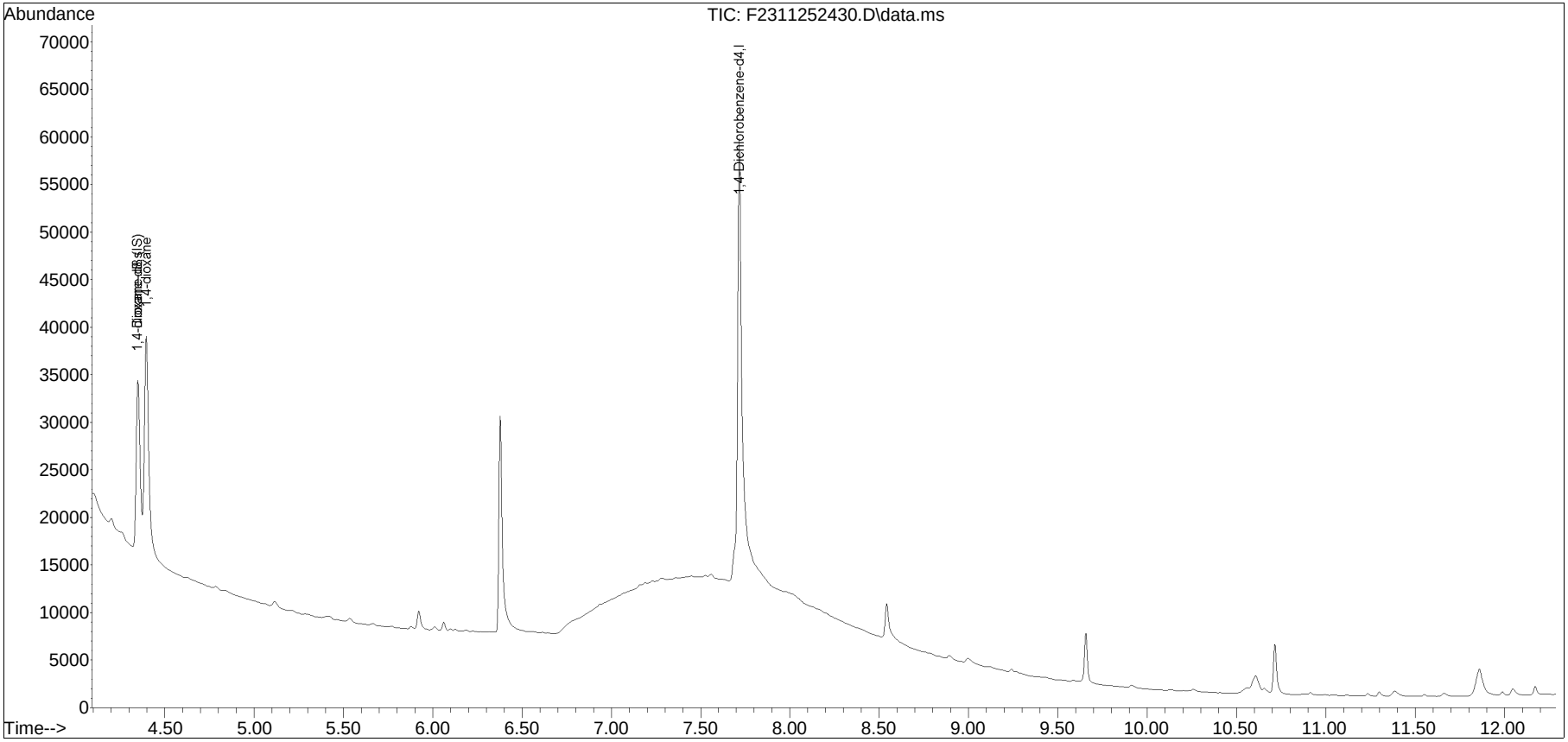
(#) = qualifier out of range (m) = manual integration (+) = signals summed

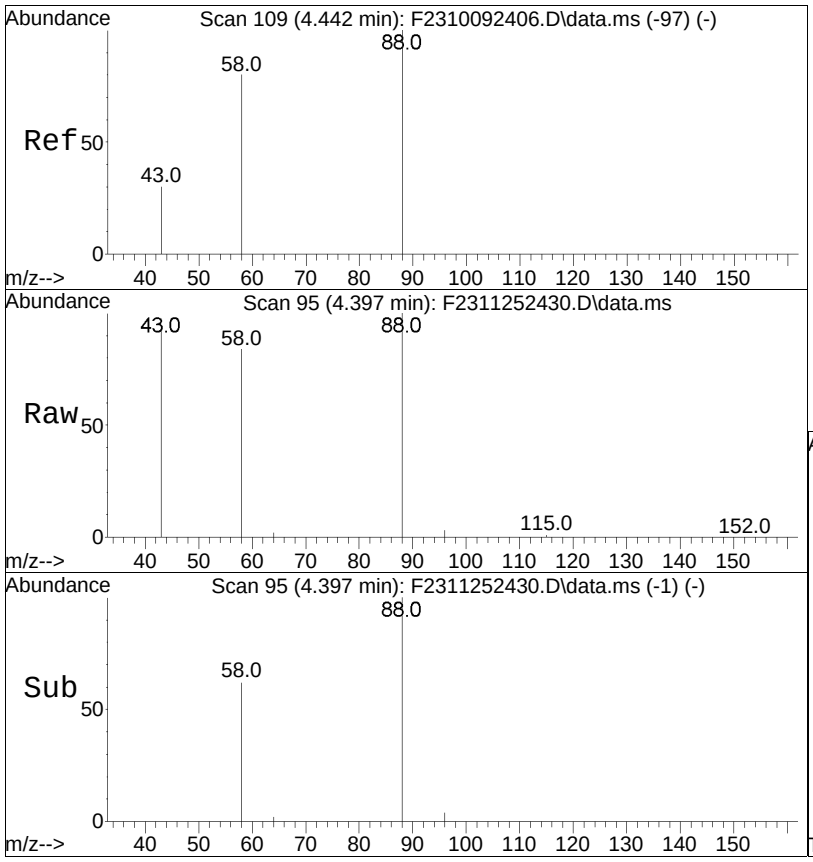
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252430.D
Acq On : 25 Nov 2024 10:48 pm
Operator : PAH23:CSP
Sample : wg2001184-3,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 26 11:01:52 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

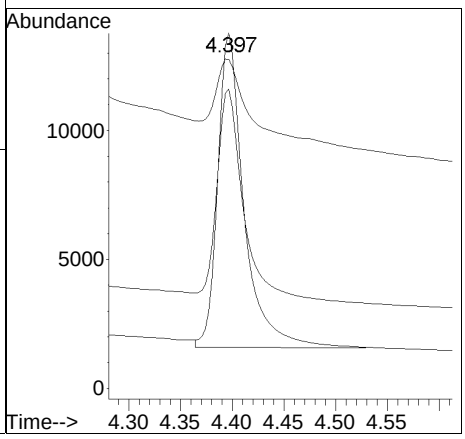




#2
1,4-dioxane
Concen: 662.01 ng/mL M4
RT: 4.397 min Scan# 95
Delta R.T. 0.068 min
Lab File: F2311252430.D
Acq: 25 Nov 2024 10:48 pm

Tgt Ion: 88 Resp: 21612

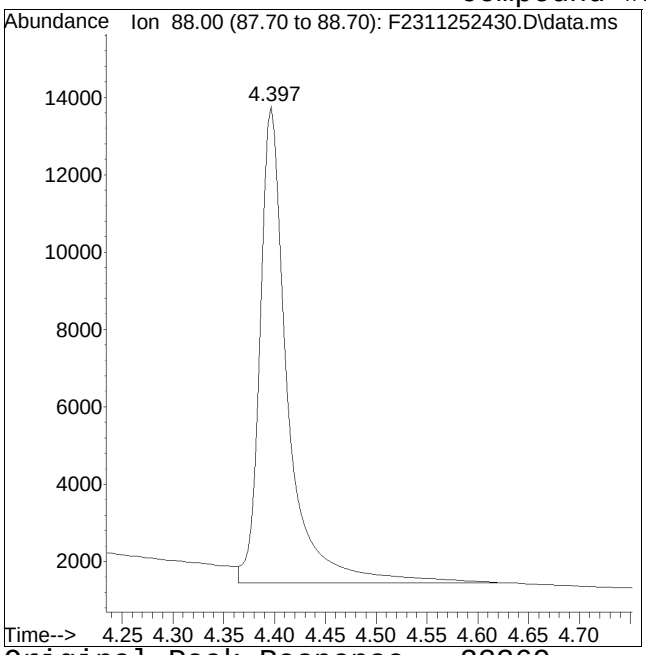
Ion	Ratio	Lower	Upper
88	100		
58	66.2	51.1	76.7
43	25.9	17.4	26.2



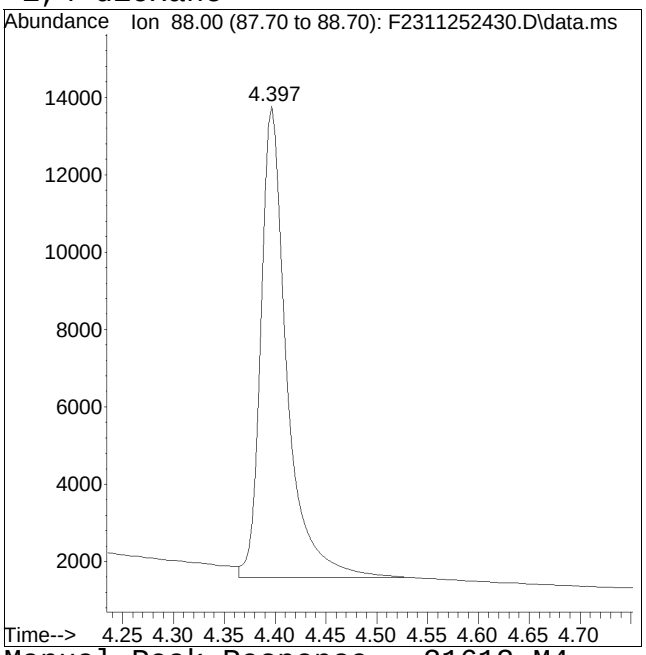
Manual Integration/Negative Proof Report

Data Path : S:\Organics-NEW\DATA\PAH23\ QMethod : 14DIOX1112PAH23.M
Data File : F2311252430.D Operator : PAH23:CSP
Date Inj'd : 11/25/2024 10:48 pm Instrument : PAH23
Sample : wg2001184-3,32,, Quant Date : 11/26/2024 11:01 am

Compound #2: 1,4-dioxane



Original Peak Response = 23369



Manual Peak Response = 21612 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252434.D
Acq On : 26 Nov 2024 12:29 am
Operator : PAH23:CSP
Sample : wg2001184-4,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 11:02:00 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.374	64	10015	500.000	ng/mL	0.09
3) 1,4-Dichlorobenzene-d4	7.716	152	59629	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.374	64	10015	191.155	ng/mL	0.09
Spiked Amount 500.000	Range 15 - 115		Recovery = 38.23%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.419	88	17721M4	666.079	ng/mL	

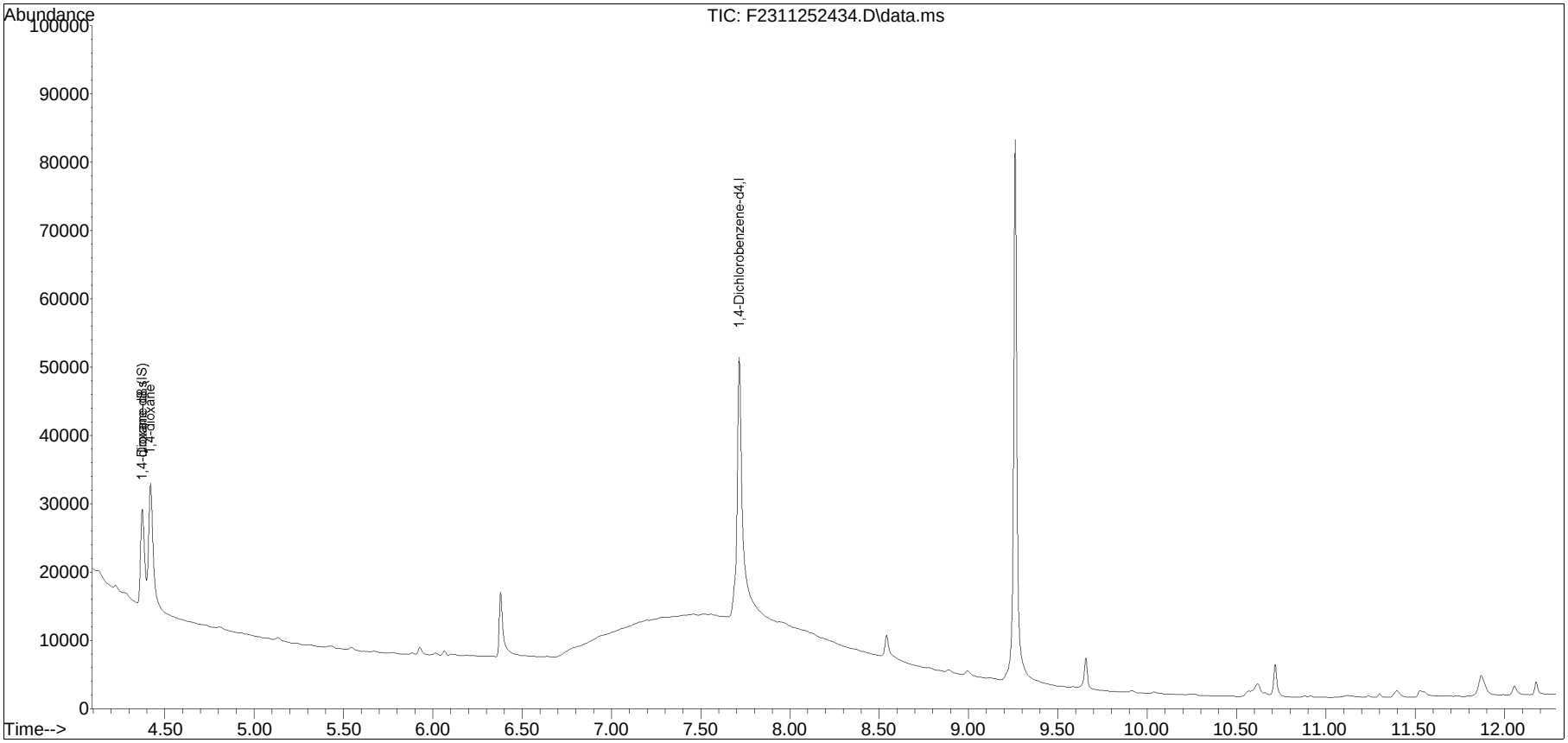
(#) = qualifier out of range (m) = manual integration (+) = signals summed

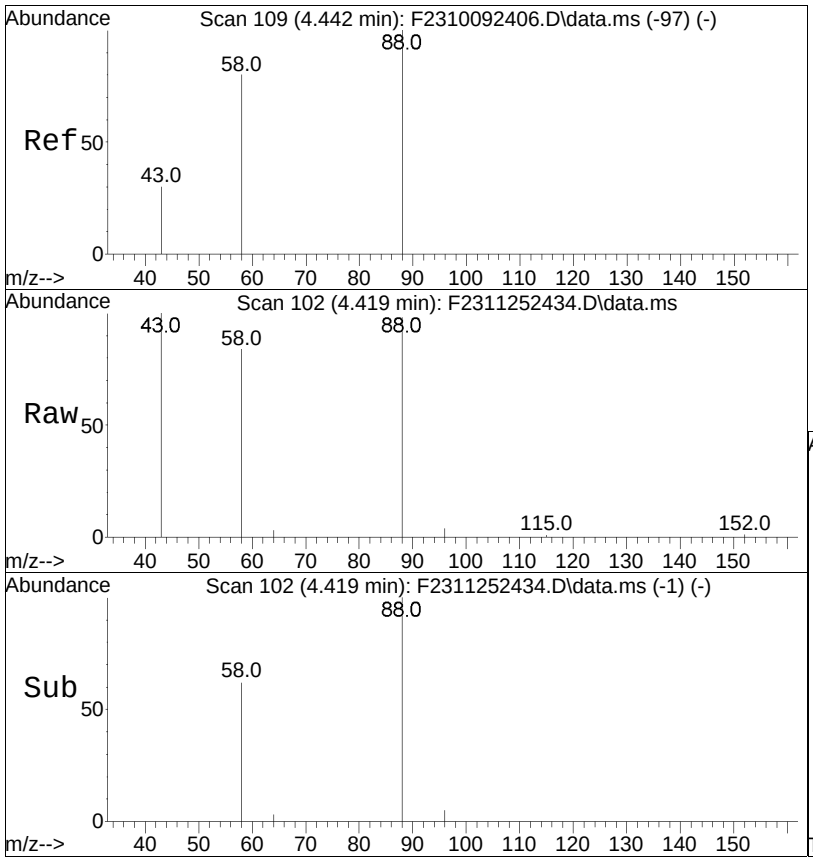
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252434.D
Acq On : 26 Nov 2024 12:29 am
Operator : PAH23:CSP
Sample : wg2001184-4,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 26 11:02:00 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

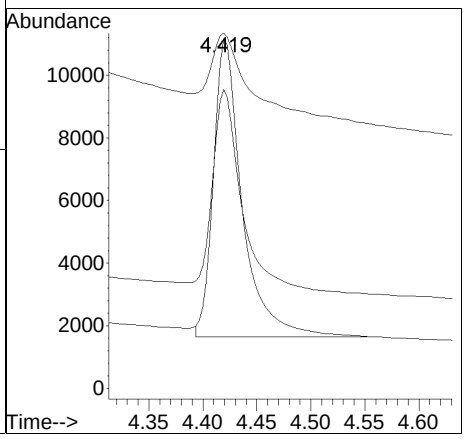




#2
1,4-dioxane
Concen: 666.08 ng/mL M4
RT: 4.419 min Scan# 102
Delta R.T. 0.090 min
Lab File: F2311252434.D
Acq: 26 Nov 2024 12:29 am

Tgt Ion: 88 Resp: 17721

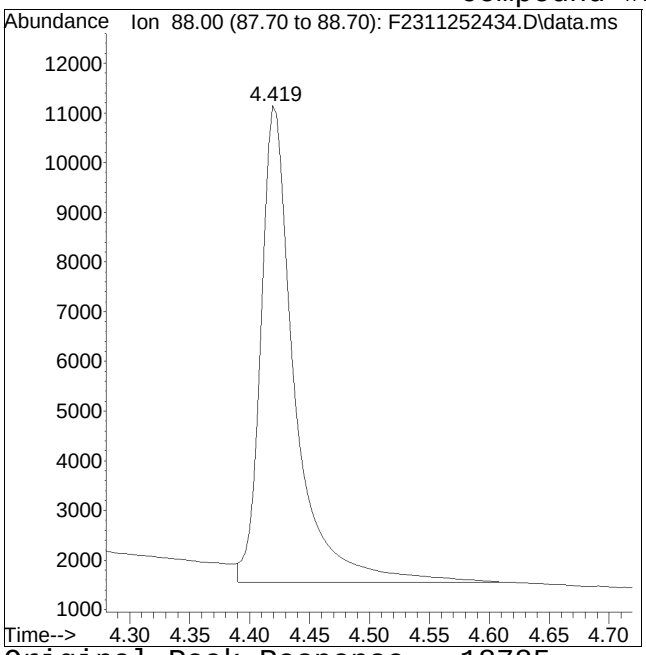
Ion	Ratio	Lower	Upper
88	100		
58	76.1	51.1	76.7
43	23.5	17.4	26.2



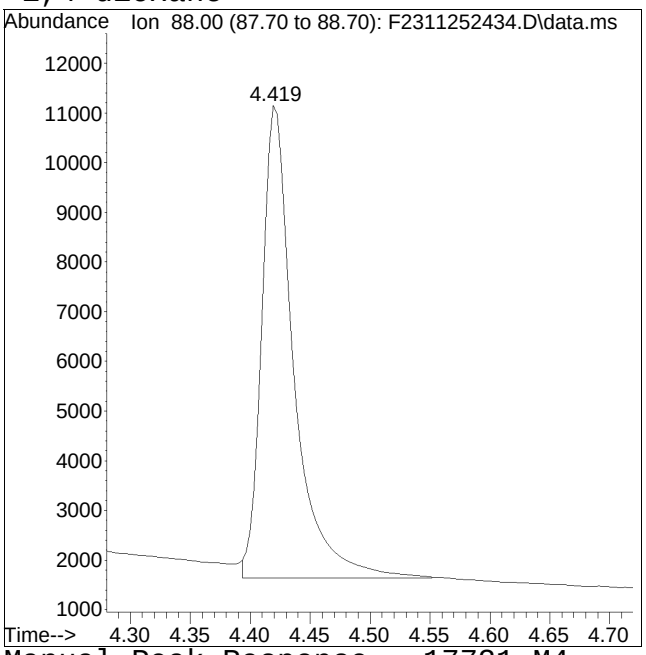
Manual Integration/Negative Proof Report

Data Path : S:\Organics-NEW\DATA\PAH23\
Data File : F2311252434.D
Date Inj'd : 11/26/2024 12:29 am
Sample : wg2001184-4,32,,
QMethod : 14DIOX1112PAH23.M
Operator : PAH23:CSP
Instrument : PAH23
Quant Date : 11/26/2024 11:02 am

Compound #2: 1,4-dioxane



Original Peak Response = 18785



Manual Peak Response = 17721 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252435.D
Acq On : 26 Nov 2024 12:53 am
Operator : PAH23:CSP
Sample : wg2001184-5,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 26 11:02:02 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 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)	4.368	64	10549	500.000	ng/mL	0.09
3) 1,4-Dichlorobenzene-d4	7.716	152	59092	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.368	64	10549	203.177	ng/mL	0.09
Spiked Amount 500.000	Range 15 - 115		Recovery = 40.64%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.416	88	18308M4	653.309	ng/mL	

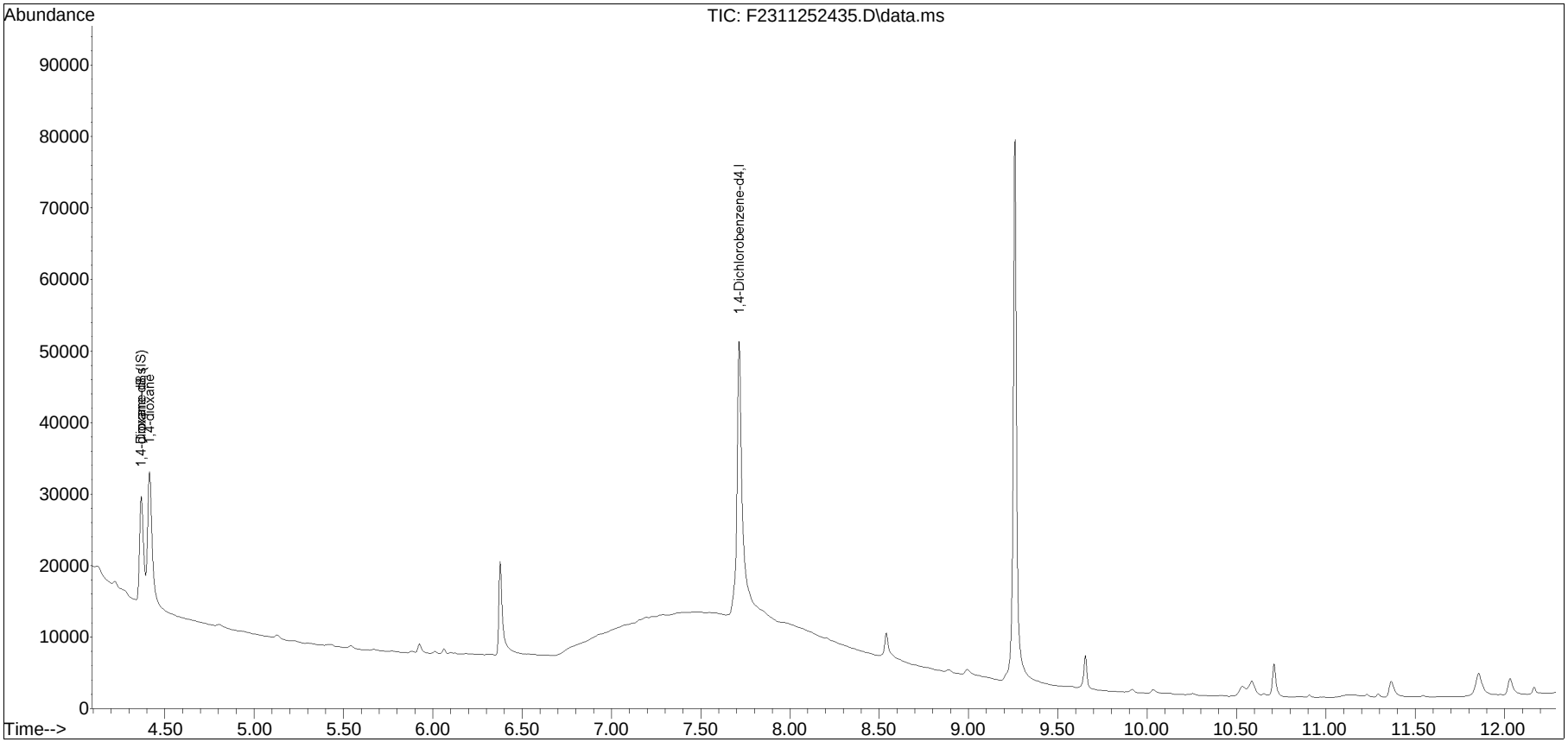
(#) = qualifier out of range (m) = manual integration (+) = signals summed

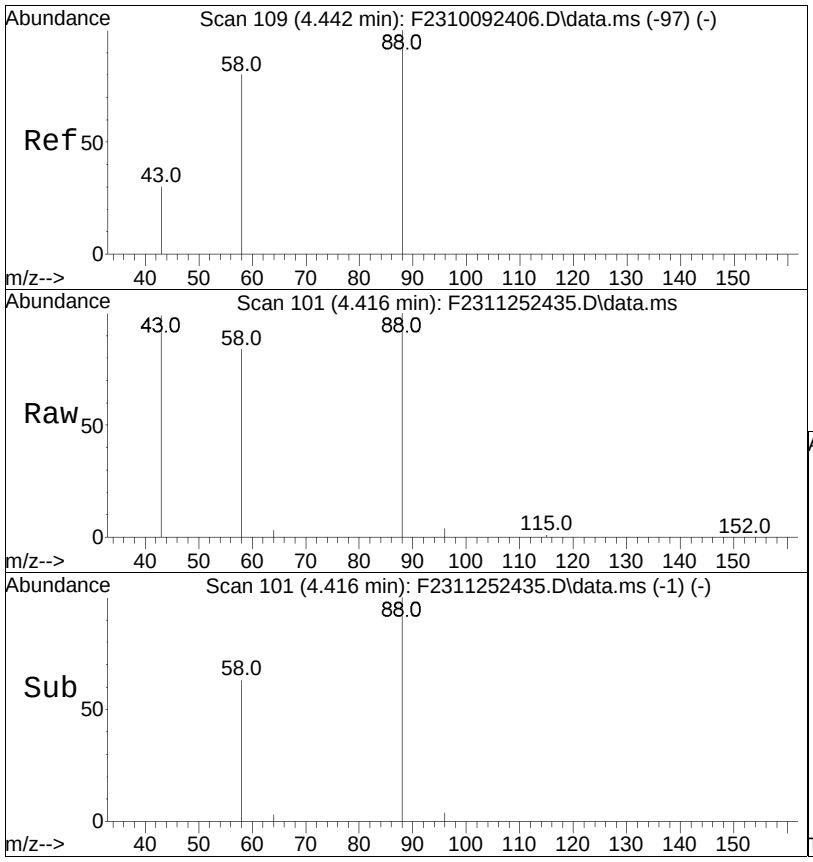
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\
Data File : F2311252435.D
Acq On : 26 Nov 2024 12:53 am
Operator : PAH23:CSP
Sample : wg2001184-5,32,,
Misc : WG2001981,WG2001184,ICAL21701
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 26 11:02:02 2024
Quant Method : S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\14DIOX1112PAH23.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Nov 22 10:14:35 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

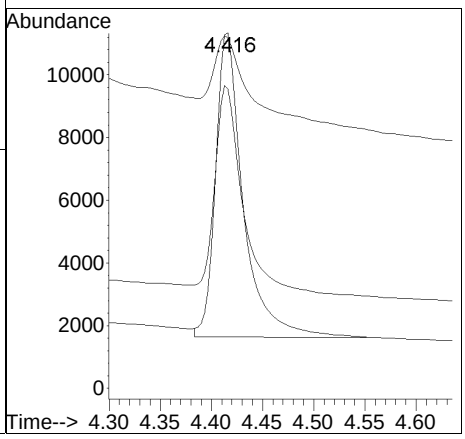




#2
1,4-dioxane
Concen: 653.31 ng/mL M4
RT: 4.416 min Scan# 101
Delta R.T. 0.087 min
Lab File: F2311252435.D
Acq: 26 Nov 2024 12:53 am

Tgt Ion: 88 Resp: 18308

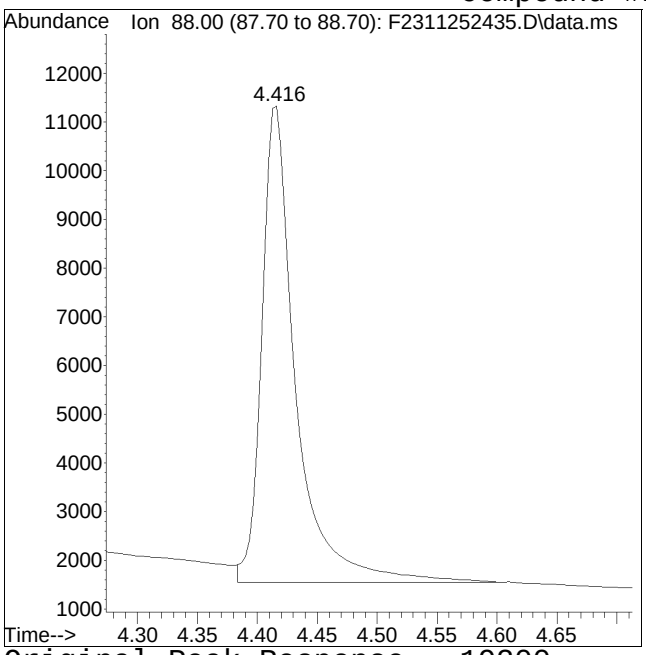
Ion	Ratio	Lower	Upper
88	100		
58	69.7	51.1	76.7
43	23.1	17.4	26.2



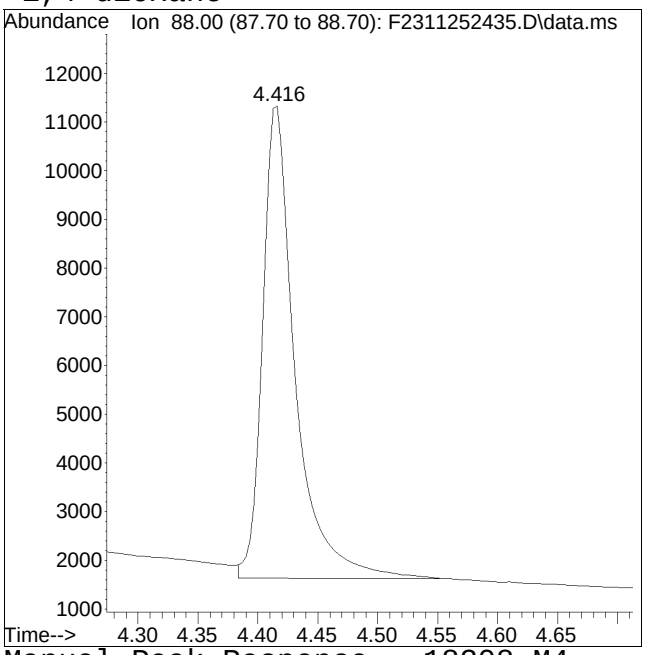
Manual Integration/Negative Proof Report

Data Path : S:\Organics-NEW\DATA\PAH23\QMethod : 14DIOX1112PAH23.M
Data File : F2311252435.D Operator : PAH23:CSP
Date Inj'd : 11/26/2024 12:53 am Instrument : PAH23
Sample : wg2001184-5,32,, Quant Date : 11/26/2024 11:02 am

Compound #2: 1,4-dioxane



Original Peak Response = 19200



Manual Peak Response = 18308 M4

M4 = Poor automated baseline construction.

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)

Nov 26 2024, 03:06 pm

Work Group: WG2001981 for Department: 32 GC/MS - Semivolatiles

Created: 25-NOV-24 Due: Operator: CSP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2465939-01	TW-35	S	A2-NJ-14DIOXSIM-PPB	WATER	SEC	U	1118	1127	S0	Amber-A.25
L2465939-02	TW-38	S	A2-NJ-14DIOXSIM-PPB	WATER	SEC	U	1118	1127	S0	Amber-A.25
L2465939-03	TW-39	S	A2-NJ-14DIOXSIM-PPB	WATER	SEC	U	1118	1127	S0	Amber-A.25
L2467666-01	MW-9-02R	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1125	S0	Amber-A.25
L2467666-02	MW-2A-02	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1125	S0	Amber-A.25
L2467666-03	MW-2	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1125	S0	Amber-A.25
L2467666-04	MW-4-89R	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1125	S0	Amber-A.25
L2467666-05	SW-UPSTREAM	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1125	S0	Amber-A.25
L2467666-06	MW-DUP1	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1125	S0	Amber-A.25
L2467666-07	MW-3	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1125	S0	Amber-A.25
L2467666-08	SW-DUP	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1125	S0	Amber-A.25
L2467666-09	SW-MIDSTREAM	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1125	S0	Amber-A.25
L2467884-01	MW14-ML17B	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2467884-02	MW14-ML17C	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2467925-06	SOFB05_111924	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2467934-01	MW-1S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1126	S0	Amber-A.25
L2467934-05	MW-5S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2467934-07	MW-7S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1126	S0	Amber-A.25
L2467934-08	MW-8S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1126	S0	Amber-A.25
L2467934-09	DUP	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1126	S0	Amber-A.25
L2467934-10	FIELD BLANK	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1125	1126	S0	Amber-A.25
L2467975-01	MW-4R	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2467975-02	MW-11-02	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2467975-03	MW-13-04	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2467975-04	SW-DOWNSTREAM	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2467975-05	LEACHATE	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	1126	1126	S0	Amber-A.25
L2467975-06	MW-DUP2	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2467975-07	LEACHATE-DUP	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	1126	1126	S0	Amber-A.25
L2467975-08	FIELD BLANK	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2468064-01	W_MW-115R	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2468064-02	W_MW-115D	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2468064-03	W_MW-281DD	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2468064-04	W_MW-66DD	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2468064-05	5070_DUP-02	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	1126	1126	S0	Amber-A.25
L2468082-01	RGA-3 (6')	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U	1119	1126	S0	EAmber-A.25
L2468082-06	RGA-18 (4')	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U	1119	1126	S0	EAmber-A.25
L2468082-08	RGA-24 (2')	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U	1119	1126	S0	EAmber-A.25
L2468416-10	TWP-1	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1127	1127	S0	Amber-A.25
L2468416-11	TWP-2	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1127	1127	S0	Amber-A.25
L2468742-03	EQUIPMENT BLANK	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1128	1126	3A	Amber-A.25
WG2000005-1	Laboratory Method Bl	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2000005-2	Laboratory Control S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2000005-3	LCS Duplicate	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001182-1	Laboratory Method Bl	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U				
WG2001182-2	Laboratory Control S	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U				
WG2001182-3	LCS Duplicate	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U				
WG2001183-1	Laboratory Method Bl	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG2001183-2	Laboratory Control S	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG2001183-3	LCS Duplicate	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG2001184-1	Laboratory Method Bl	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001184-2	Laboratory Control S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001184-3	LCS Duplicate	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001184-4	Matrix Spike	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001184-5	Matrix Spike Duplica	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001981-1	MS DFTPP Tune Standa	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG2001981-1	MS DFTPP Tune Standa	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U				
WG2001981-1	MS DFTPP Tune Standa	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001981-2	Continuing Calibrati	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U				
WG2001981-2	Continuing Calibrati	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001981-2	Continuing Calibrati	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG2001981-3	MS DFTPP Tune Standa	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001981-3	MS DFTPP Tune Standa	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 26 2024, 03:06 pm

Work Group: WG2001981 for Department: 32 GC/MS - Semivolatiles

Created: 25-NOV-24 Due: Operator: CSP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
WG2001981-3	MS DFTPP Tune Standa	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U				
WG2001981-4	Continuing Calibrati	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG2001981-4	Continuing Calibrati	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2001981-4	Continuing Calibrati	S	A2-NJ-SPLP-14DIOXANE	SOIL	DONE	U				

Comments:

WG2000005-3	WG2000005-2
WG2001182-3	WG2001182-2
WG2001183-3	WG2001183-2
WG2001184-3	WG2001184-2
WG2001184-4	L2467934-05
WG2001184-5	L2467934-05

Analysis log File

Total Files Reported in Log : 9
Log Generated From Directory: S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV12\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F2311122401.D	DFTPP.M	T2311122401	WG1996917,MSBV35	11/12/2024 5:01 pm
2	F2311122402.D	14DIOX.M	I2311122401	WG1996917,MSBV28	11/12/2024 5:41 pm
3	F2311122403.D	14DIOX.M	I2311122402	WG1996917,MSBV29	11/12/2024 6:06 pm
4	F2311122404.D	14DIOX.M	I2311122403	WG1996917,MSBV30	11/12/2024 6:30 pm
5	F2311122405.D	14DIOX.M	I2311122404	WG1996917,MSBV31	11/12/2024 6:54 pm
6	F2311122406.D	14DIOX.M	I2311122405	WG1996917,MSBV33	11/12/2024 7:18 pm
7	F2311122407.D	14DIOX.M	I2311122406	WG1996917,MSBV32	11/12/2024 7:42 pm
8	F2311122408.D	14DIOX.M	I2311122407	WG1996917,MSBV27	11/12/2024 8:06 pm
9	F2311122409.D	14DIOX.M	CQ2311122401	WG1996917,MSBV37	11/12/2024 8:30 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 52
Log Generated From Directory: S:\Organics-NEW\DATA\PAH23\2024\NOV\NOV25\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F2311252401.D	DFTPP.M	WG2001981-1	WG2001981,,ICAL21701,MS..	11/25/2024 9:34 am
2	F2311252402.D	14DIOX.M	WG2001981-2	WG2001981,,ICAL21701,MS..	11/25/2024 10:19 am
3	F2311252403.D	14DIOX.M	wg2000005-1,32,,	WG2001981,WG2000005,ICA..	11/25/2024 10:51 am
4	F2311252404.D	14DIOX.M	wg2000005-2,32,,	WG2001981,WG2000005,ICA..	11/25/2024 11:16 am
5	F2311252405.D	14DIOX.M	wg2000005-3,32,,	WG2001981,WG2000005,ICA..	11/25/2024 11:40 am
6	F2311252406.D	14DIOX.M	l2467666-01,32,,	WG2001981,WG2000005,ICA..	11/25/2024 12:05 pm
7	F2311252407.D	14DIOX.M	l2467666-02,32,,	WG2001981,WG2000005,ICA..	11/25/2024 12:31 pm
8	F2311252408.D	14DIOX.M	l2467666-03,32,,	WG2001981,WG2000005,ICA..	11/25/2024 12:57 pm
9	F2311252409.D	14DIOX.M	l2467666-04,32,,	WG2001981,WG2000005,ICA..	11/25/2024 1:24 pm
10	F2311252410.D	14DIOX.M	l2467666-05,32,,	WG2001981,WG2000005,ICA..	11/25/2024 1:51 pm
11	F2311252411.D	14DIOX.M	l2467666-06,32,,	WG2001981,WG2000005,ICA..	11/25/2024 2:18 pm
12	F2311252412.D	14DIOX.M	l2467666-07,32,,	WG2001981,WG2000005,ICA..	11/25/2024 2:46 pm
13	F2311252413.D	14DIOX.M	l2467666-08,32,,	WG2001981,WG2000005,ICA..	11/25/2024 3:13 pm
14	F2311252414.D	14DIOX.M	l2467666-09,32,,	WG2001981,WG2000005,ICA..	11/25/2024 3:39 pm
15	F2311252415.D	14DIOX.M	l2467884-01,32,,	WG2001981,WG2000005,ICA..	11/25/2024 4:06 pm
16	F2311252416.D	14DIOX.M	l2467884-02,32,,	WG2001981,WG2000005,ICA..	11/25/2024 4:33 pm
17	F2311252417.D	14DIOX.M	l2467925-06,32,,	WG2001981,WG2000005,ICA..	11/25/2024 4:59 pm
18	F2311252418.D	14DIOX.M	l2467975-01,32,,	WG2001981,WG2000005,ICA..	11/25/2024 5:25 pm
19	F2311252419.D	14DIOX.M	l2467975-02,32,,	WG2001981,WG2000005,ICA..	11/25/2024 5:50 pm
20	F2311252420.D	14DIOX.M	l2467975-03,32,,	WG2001981,WG2000005,ICA..	11/25/2024 6:18 pm
21	F2311252421.D	14DIOX.M	l2467975-04,32,,	WG2001981,WG2000005,ICA..	11/25/2024 6:44 pm
22	F2311252422.D	14DIOX.M	l2467975-05,32,,	SEE 5X DL	11/25/2024 7:10 pm
23	F2311252423.D	14DIOX.M	l2467975-06,32,,	WG2001981,WG2000005,ICA..	11/25/2024 7:35 pm
24	F2311252424.D	14DIOX.M	l2467975-07,32,,	SEE 5X DL	11/25/2024 8:01 pm
25	F2311252425.D	14DIOX.M	l2467975-08,32,,	WG2001981,WG2000005,ICA..	11/25/2024 8:27 pm
26	F2311252426.D	DFTPP.M	WG2001981-3	WG2001981,,ICAL21701,MS..	11/25/2024 8:47 pm
27	F2311252427.D	14DIOX.M	WG2001981-4	WG2001981,,ICAL21701,MS..	11/25/2024 9:31 pm
28	F2311252428.D	14DIOX.M	wg2001184-1,32,,	WG2001981,WG2001184,ICA..	11/25/2024 9:57 pm
29	F2311252429.D	14DIOX.M	wg2001184-2,32,,	WG2001981,WG2001184,ICA..	11/25/2024 10:23 pm
30	F2311252430.D	14DIOX.M	wg2001184-3,32,,	WG2001981,WG2001184,ICA..	11/25/2024 10:48 pm
31	F2311252431.D	14DIOX.M	l2468742-03,32,,r3a	WG2001981,WG2001184,ICA..	11/25/2024 11:13 pm
32	F2311252432.D	14DIOX.M	l2467934-01,32,,	WG2001981,WG2001184,ICA..	11/25/2024 11:38 pm
33	F2311252433.D	14DIOX.M	l2467934-05,32,,	WG2001981,WG2001184,ICA..	11/26/2024 12:04 am
34	F2311252434.D	14DIOX.M	wg2001184-4,32,,	WG2001981,WG2001184,ICA..	11/26/2024 12:29 am
35	F2311252435.D	14DIOX.M	wg2001184-5,32,,	WG2001981,WG2001184,ICA..	11/26/2024 12:53 am
36	F2311252436.D	14DIOX.M	l2467934-07,32,,	WG2001981,WG2001184,ICA..	11/26/2024 1:18 am
37	F2311252437.D	14DIOX.M	l2467934-08,32,,	WG2001981,WG2001184,ICA..	11/26/2024 1:42 am
38	F2311252438.D	14DIOX.M	l2467934-09,32,,	WG2001981,WG2001184,ICA..	11/26/2024 2:06 am
39	F2311252439.D	14DIOX.M	l2467934-10,32,,	WG2001981,WG2001184,ICA..	11/26/2024 2:31 am
40	F2311252440.D	14DIOX.M	l2468082-01,32,,	WG2001981,WG2001182,ICA..	11/26/2024 2:55 am
41	F2311252441.D	14DIOX.M	l2468082-06,32,,	WG2001981,WG2001182,ICA..	11/26/2024 3:20 am
42	F2311252442.D	14DIOX.M	l2468082-08,32,,	WG2001981,WG2001182,ICA..	11/26/2024 3:45 am
43	F2311252443.D	14DIOX.M	l2465939-01,32,,	WG2001981,WG2001183,ICA..	11/26/2024 4:10 am
44	F2311252444.D	14DIOX.M	l2468064-01,32,,	WG2001981,WG2001183,ICA..	11/26/2024 4:34 am
45	F2311252445.D	14DIOX.M	l2468064-02,32,,	WG2001981,WG2001183,ICA..	11/26/2024 4:59 am
46	F2311252446.D	14DIOX.M	l2468064-03,32,,	WG2001981,WG2001183,ICA..	11/26/2024 5:23 am
47	F2311252447.D	14DIOX.M	l2468064-04,32,,	WG2001981,WG2001183,ICA..	11/26/2024 5:47 am
48	F2311252448.D	14DIOX.M	l2468064-05,32,,	WG2001981,WG2001183,ICA..	11/26/2024 6:11 am
49	F2311252449.D	14DIOX.M	l2468416-10,32,,	WG2001981,WG2001184,ICA..	11/26/2024 6:36 am
50	F2311252450.D	14DIOX.M	l2468416-11,32,,	WG2001981,WG2001184,ICA..	11/26/2024 7:01 am
51	F2311252451.D	14DIOX.M	l2465939-02,32,,	WG2001981,WG2001183,ICA..	11/26/2024 7:25 am
52	F2311252452.D	14DIOX.M	l2465939-03,32,,	WG2001981,WG2001183,ICA..	11/26/2024 7:50 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

ORGANIC ELN REPORT

Workgroup: WG2001184

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ374-US
Surrogate Type: 1,4-DIOXANE **Lot #:** MSBV25
Spike Type: 1,4-DIOXANE **Lot #:** MSBV20
Spike Verify by: AMC
Lims Spikelot: 14DIOXANE

Additional Reagents/Stds

Glass Wool	29022999
Na2SO4	ON112124B

Conc.Method: S-EVAP/N-EVAP
Solvent Type: DCM
Lot #: EJ374-US

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
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
L2467934-01 SAMP	11/22/24 17:10	Emma Canning	2580	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
L2467934-05 SAMP	11/22/24 17:10	Emma Canning	230	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
L2467934-07 SAMP	11/22/24 17:10	Emma Canning	250	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
L2467934-08 SAMP	11/22/24 17:10	Emma Canning	250	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
L2467934-09 SAMP	11/22/24 17:10	Emma Canning	260	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
L2467934-10 SAMP	11/22/24 17:10	Emma Canning	270	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
L2468416-10 WATER	11/22/24 17:10	Emma Canning	230	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11

Reported: 26-NOV-24 03:06 PM

ORGANIC ELN REPORT

Workgroup: WG2001184

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
L2468416-11 WATER	11/22/24 17:10	Emma Canning	230	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
L2468742-03 SAMP	11/22/24 17:10	Emma Canning	250	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
WG2001184-1 BLANK	11/22/24 17:10	Emma Canning	250	7	0.25		11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
	SHARES QCS WITH WG2001183 AND WG2001182									
WG2001184-2 LCS	11/22/24 18:20	Emma Canning	250	7	0.25	0.25	11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
	SAMPLE LOST DURING EXTRACTION AND WAS RE-EXTRACTED SHORTLY AFTER									
WG2001184-3 LCSD	11/22/24 17:10	Emma Canning	250	7	0.25	0.25	11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
WG2001184-4 MS	11/22/24 17:10	Emma Canning	260	7	0.25	0.25	11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11
WG2001184-5 MSD	11/22/24 17:10	Emma Canning	230	7	0.25	0.25	11/22/24 21:30	Emma Canning	2.5	SEVAP 3/NEV AP 11

GC Extractable Analysis
Herbicides

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
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 (L2467934-01)	72	79	--	--			0
MW-2S (L2467934-02)	91	86	--	--			0
MW-3S (L2467934-03)	73	70	--	--			0
MW-4D (L2467934-04)	88	83	--	--			0
MW-5S (L2467934-05)	77	73	--	--			0
MW-6D (L2467934-06)	75	73	--	--			0
MW-7S (L2467934-07)	96	93	--	--			0
MW-8S (L2467934-08)	68	66	--	--			0
DUP (L2467934-09)	62	61	--	--			0
FIELD BLANK (L2467934-10)	55	54	--	--			0
WG2000586-1BLANK	86	81	--	--			0
WG2000586-2LCS	85	95	--	--			0
WG2000586-3LCSD	86	100	--	--			0
MW-5SMS	68	67	--	--			0
MW-5SMSD	48	50	--	--			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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2000586-2 **Analysis Date** : 11/22/24 01:47	**File ID**	: 17241121a-38
LCSD Sample ID	: WG2000586-3 **Analysis Date** : 11/22/24 02:05	**File ID**	: 17241121a-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
2,4-D	5	4.40	88	5	4.61	92	4	30-150	25
2,4,5-T	5	4.60	92	5	4.84	97	5	30-150	25
2,4,5-TP (Silvex)	5	4.26	85	5	4.43	89	5	30-150	25

Matrix Spike Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	Lab Number	: L2467934
Project Name	: HUNTINGTON READY MIXED	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2467934-05	Analysis Date	: 11/23/24 13:33
Matrix Spike	: WG2000586-4	MS Analysis Date	: 11/23/24 13:51
Matrix Spike Dup	: WG2000586-5	MSD Analysis Date	: 11/23/24 14:10

		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	3.63J	73	5	2.60J	52	33 Q	30-150	25
2,4,5-T	ND	5	3.94	79	5	2.88	58	31 Q	30-150	25
2,4,5-TP (Silvex)	ND	5	3.56	71	5	2.56	51	33 Q	30-150	25

Method Blank Summary
Form 4
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2000586-1	**Lab File ID**	: 17241121a-37
Matrix	: WATER	**Extraction Date**	: 11/20/24
Analysis Date (1)	: 11/22/24 01:28	**Analysis Date (2)**	: 11/22/24 01:28
Instrument ID (1)	: PEST17	**Instrument ID (2)**	: PEST17

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG2000586-2LCS	WG2000586-2	11/22/24 01:47	11/22/24 01:47
WG2000586-3LCSD	WG2000586-3	11/22/24 02:05	11/22/24 02:05
MW-1S	L2467934-01	11/23/24 12:19	11/23/24 12:19
MW-2S	L2467934-02	11/23/24 12:38	11/23/24 12:38
MW-3S	L2467934-03	11/23/24 12:56	11/23/24 12:56
MW-4D	L2467934-04	11/23/24 13:14	11/23/24 13:14
MW-5S	L2467934-05	11/23/24 13:33	11/23/24 13:33
MW-5SMS	WG2000586-4	11/23/24 13:51	11/23/24 13:51
MW-5SMSD	WG2000586-5	11/23/24 14:10	11/23/24 14:10
MW-6D	L2467934-06	11/23/24 14:28	11/23/24 14:28
MW-7S	L2467934-07	11/23/24 14:46	11/23/24 14:46
MW-8S	L2467934-08	11/23/24 15:05	11/23/24 15:05
DUP	L2467934-09	11/23/24 15:23	11/23/24 15:23
FIELD BLANK	L2467934-10	11/23/24 15:42	11/23/24 15:42

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: PEST17	**Initial Calib. Date(s)**	: 11/04/24 11/04/24

Client ID	Lab ID	Date/Time Analyzed
Herbicides L1	R1896588-1	11/04/24 05:40
Herbicides L2	R1896588-2	11/04/24 05:58
Herbicides L3	R1896588-3	11/04/24 06:16
Herbicides L4	R1896588-4	11/04/24 06:34
Herbicides L5	R1896588-5	11/04/24 09:53
Herbicides L6	R1896588-6	11/04/24 10:11
R1896588-7 ICV	R1896588-7	11/04/24 10:29
WG2000365-3 CCAL	WG2000365-3	11/21/24 23:38
WG2000586-1 BLANK	WG2000586-1	11/22/24 01:28
WG2000586-2 LCS	WG2000586-2	11/22/24 01:47
WG2000586-3 LCSD	WG2000586-3	11/22/24 02:05
WG2000365-7 CCAL	WG2000365-7	11/23/24 12:01
MW-1S	L2467934-01	11/23/24 12:19
MW-2S	L2467934-02	11/23/24 12:38
MW-3S	L2467934-03	11/23/24 12:56
MW-4D	L2467934-04	11/23/24 13:14
MW-5S	L2467934-05	11/23/24 13:33
MW-5S MS	WG2000586-4	11/23/24 13:51
MW-5S MSD	WG2000586-5	11/23/24 14:10
MW-6D	L2467934-06	11/23/24 14:28
MW-7S	L2467934-07	11/23/24 14:46
MW-8S	L2467934-08	11/23/24 15:05
DUP	L2467934-09	11/23/24 15:23
FIELD BLANK	L2467934-10	11/23/24 15:42

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 12:19
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-82	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 12:38
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-83	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 12:56
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-84	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 13:14
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-85	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 13:33
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-86	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 14:28
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-89	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 14:46
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-90	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 15:05
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-91	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 15:23
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-92	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/23/24 15:42
Sample Matrix	: WATER	**Date Extracted**	: 11/21/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-93	**Analyst**	: EJL
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2000586-1	**Date Collected**	: NA
Client ID	: WG2000586-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/22/24 01:28
Sample Matrix	: WATER	**Date Extracted**	: 11/20/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17241121a-37	**Analyst**	: EJL
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

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-82.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 12:19 pm
Operator : PEST17:ejl
Sample : L2467934-01,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:05 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.420	679.5E6	692.4E6	0.250	0.250
Standard Area 1 : #1 = 635502203				Recovery =	106.92%	
Standard Area 1 : #2 = 646886497				Recovery =	107.03%	
System Monitoring Compounds						
3) s DCAA (surrog	6.869	7.343	176.8E6	212.7E6	0.360M4	0.397M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	72.00%	79.40%
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						

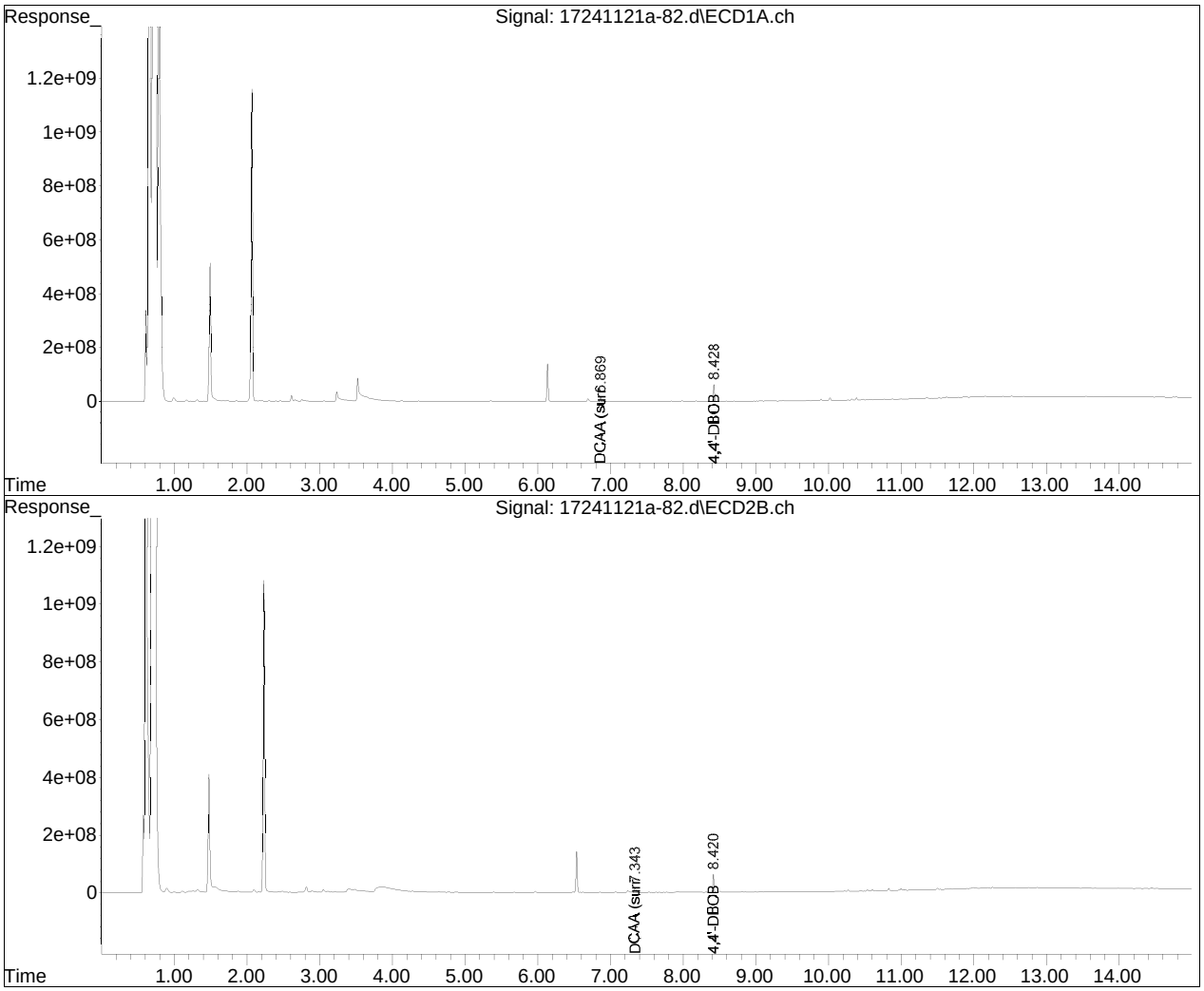
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-82.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 12:19 pm
Operator : PEST17:ejl
Sample : L2467934-01,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:05 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

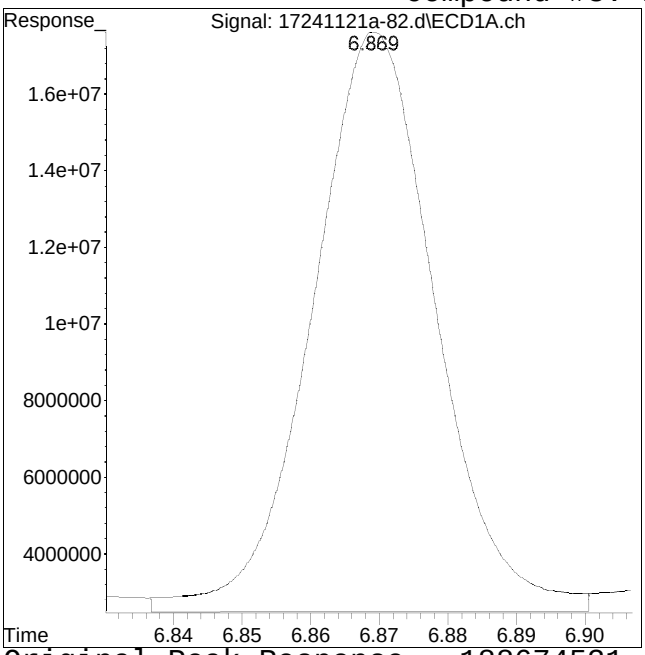
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



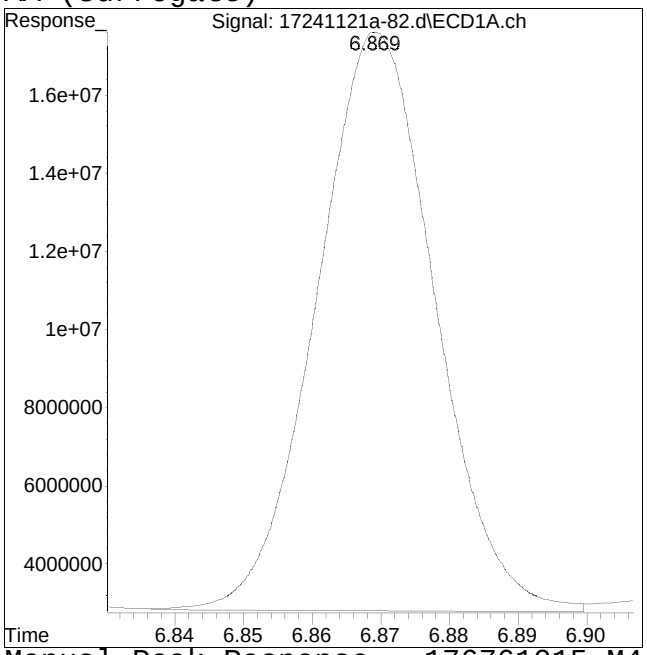
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-82.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:19 pm Instrument : Pest 17
Sample : L2467934-01,42,, Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)



Original Peak Response = 188674531

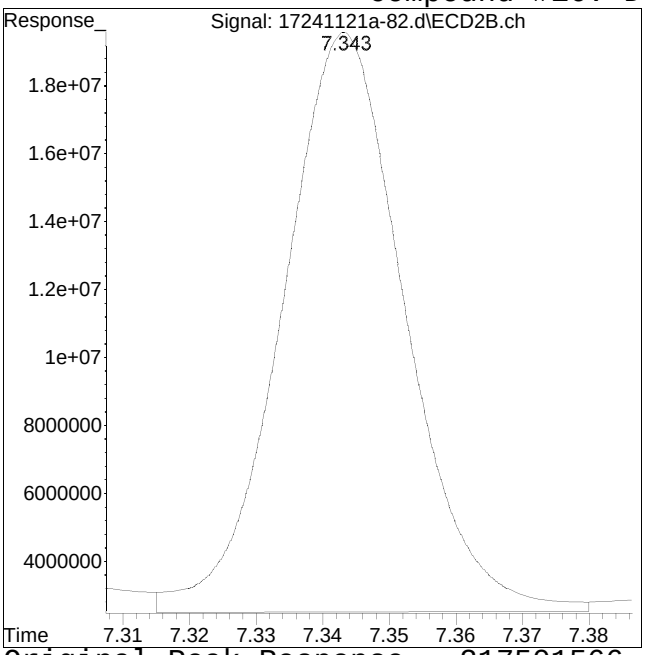


Manual Peak Response = 176761015 M4
M4 = Poor automated baseline construction.

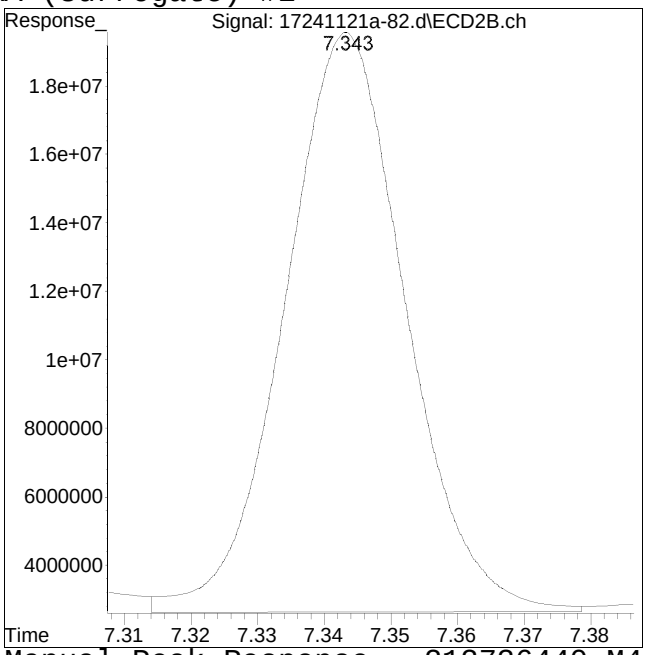
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-82.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:19 pm Instrument : Pest 17
Sample : L2467934-01,42,, Quant Date : 11/25/2024 10:14 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 217501566



Manual Peak Response = 212736440 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-83.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 12:38 pm
Operator : PEST17:ejl
Sample : L2467934-02,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:07 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.429	8.420	687.7E6	705.8E6	0.250M4	0.250M4
Standard Area 1 : #1 = 635502203				Recovery = 108.21%		
Standard Area 1 : #2 = 646886497				Recovery = 109.10%		
System Monitoring Compounds						
3) s DCAA (surrog	6.870	7.343	225.2E6	234.5E6	0.454M4	0.429M4
Spiked Amount 0.500	Range 30 - 150		Recovery = 90.80%		85.80%	
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						

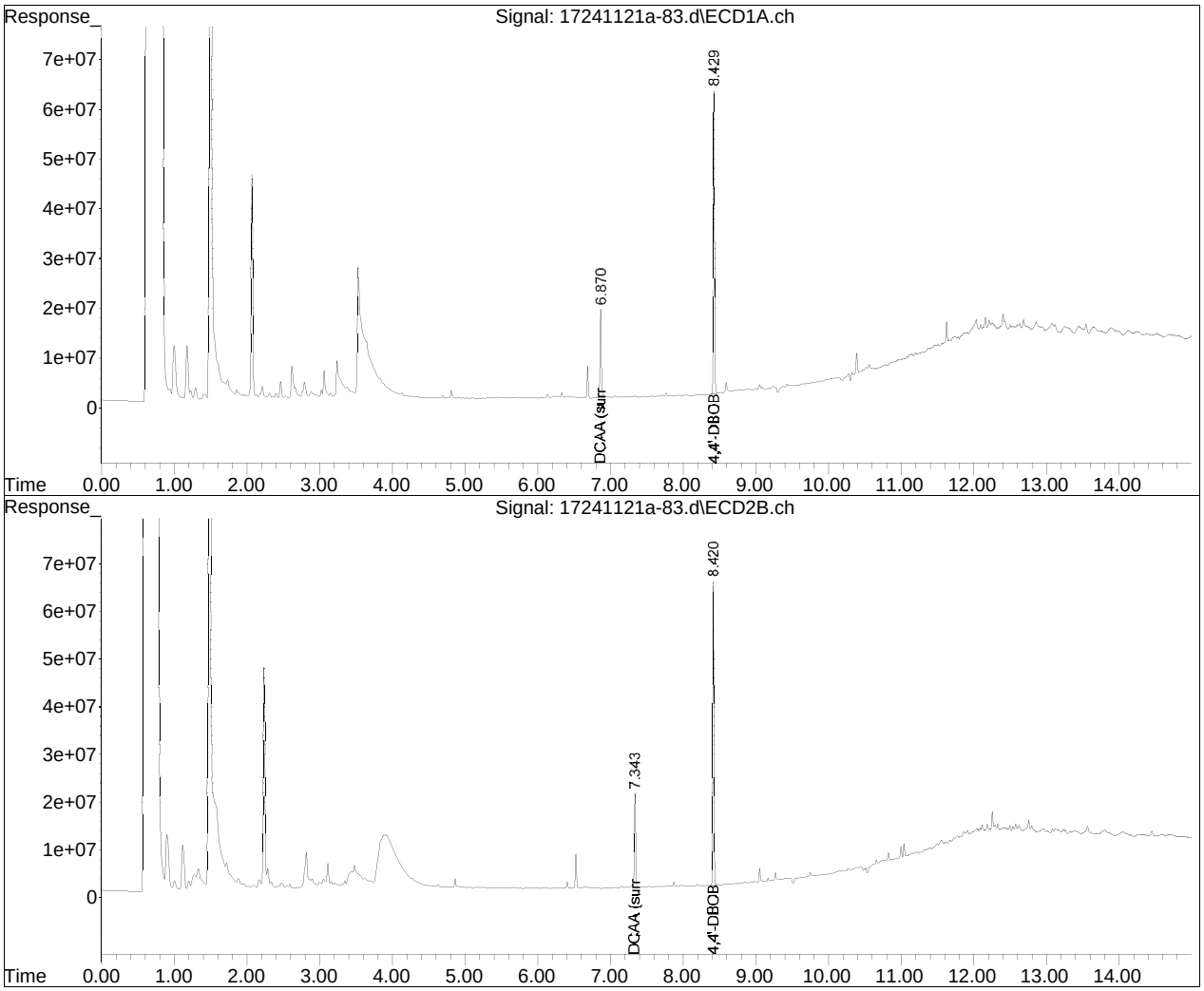
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-83.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 12:38 pm
Operator : PEST17:ejl
Sample : L2467934-02,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:07 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

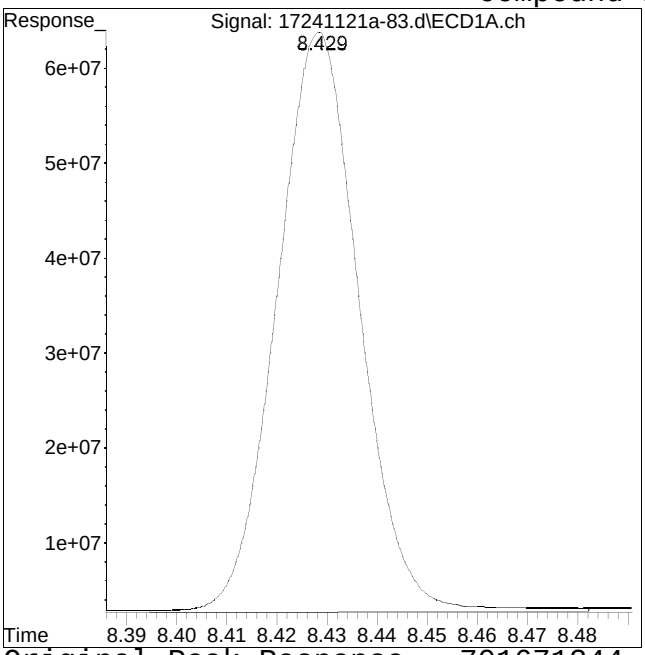
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

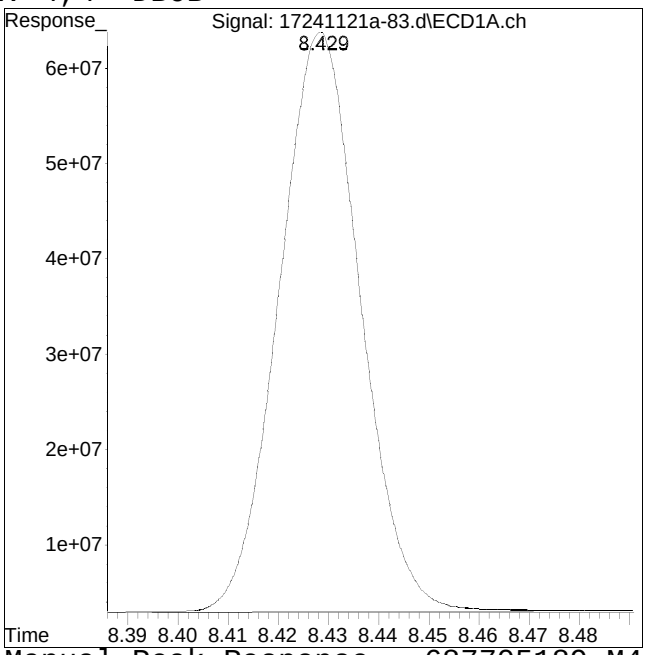


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-83.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:38 pm Instrument : Pest 17
Sample : L2467934-02,42,, Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



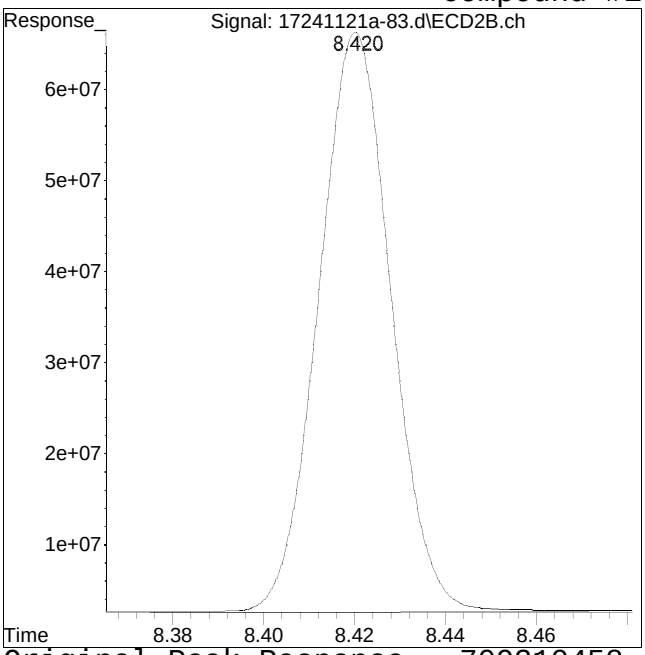


Original Peak Response = 701671244 Manual Peak Response = 687705189 M4
M4 = Poor automated baseline construction.

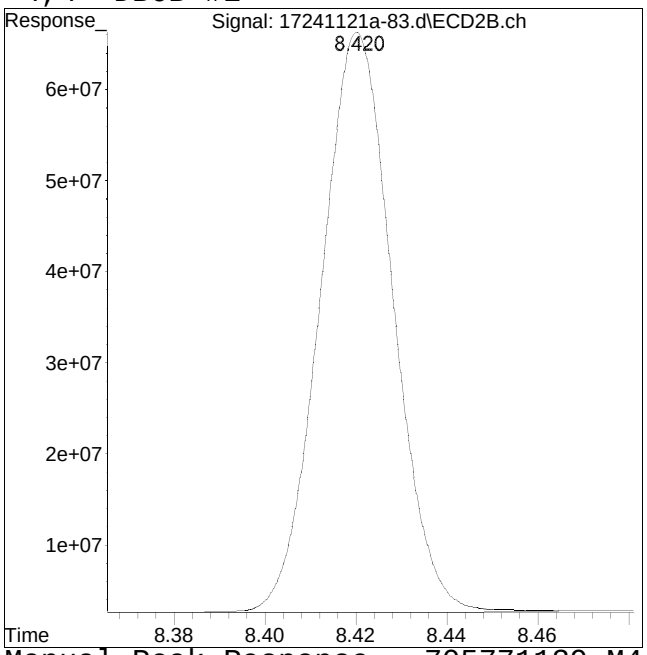
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-83.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:38 pm Instrument : Pest 17
Sample : L2467934-02,42,, Quant Date : 11/25/2024 10:14 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 709310458



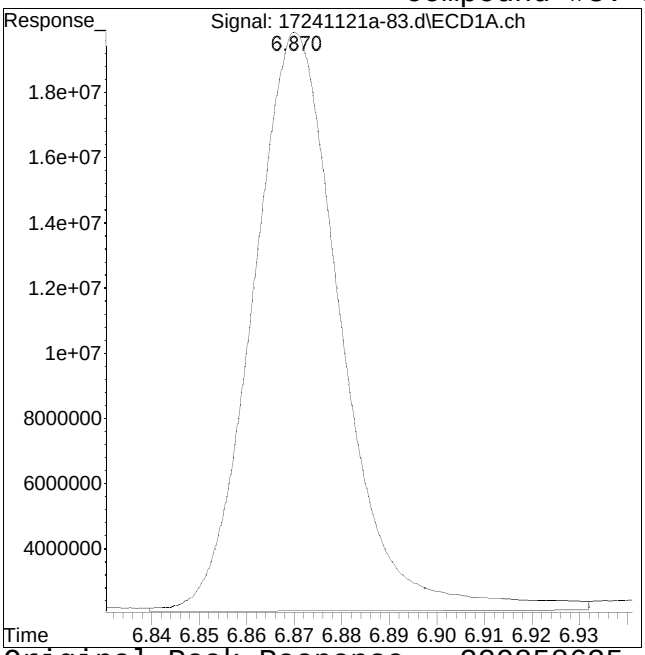
Manual Peak Response = 705771139 M4

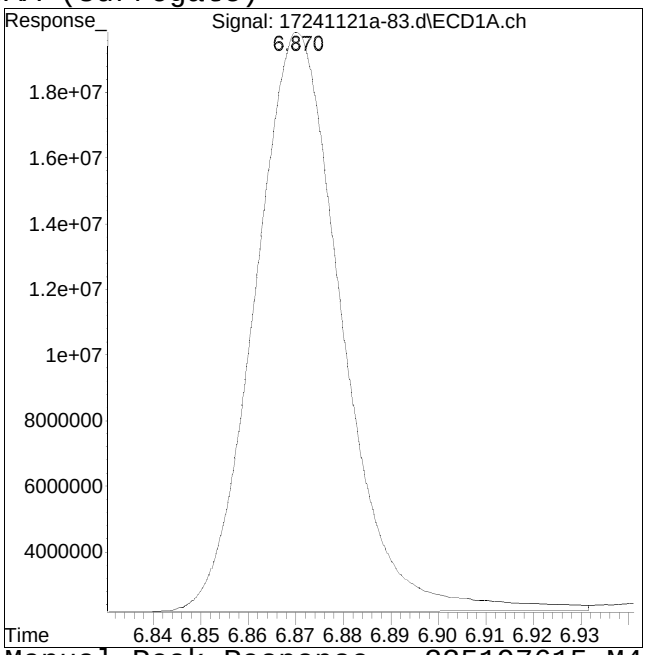
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-83.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:38 pm Instrument : Pest 17
Sample : L2467934-02,42,, Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)



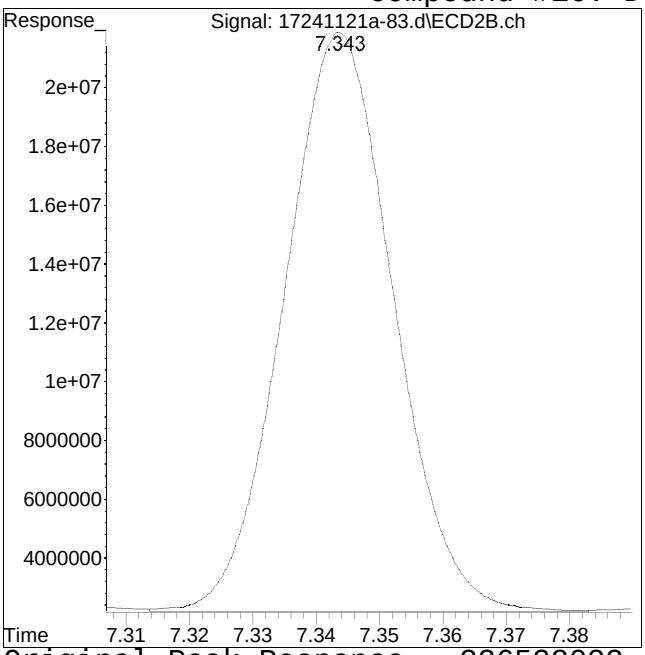


Original Peak Response = 229858635 Manual Peak Response = 225197615 M4
M4 = Poor automated baseline construction.

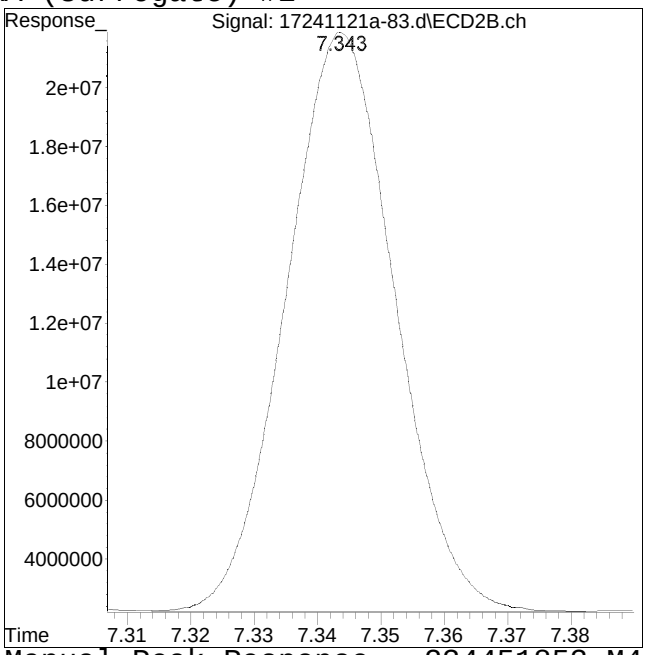
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-83.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:38 pm Instrument : Pest 17
Sample : L2467934-02,42,, Quant Date : 11/25/2024 10:14 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 236532022



Manual Peak Response = 234451853 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-84.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 12:56 pm
Operator : PEST17:ejl
Sample : L2467934-03,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:08 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.420	743.3E6	762.5E6	0.250M4	0.250M4
Standard Area 1 : #1 = 635502203				Recovery = 116.96%		
Standard Area 1 : #2 = 646886497				Recovery = 117.88%		
System Monitoring Compounds						
3) s DCAA (surrog	6.871	7.344	194.7E6	205.1E6	0.363M4	0.348M4
Spiked Amount 0.500	Range 30 - 150		Recovery = 72.60%		69.60%	
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						

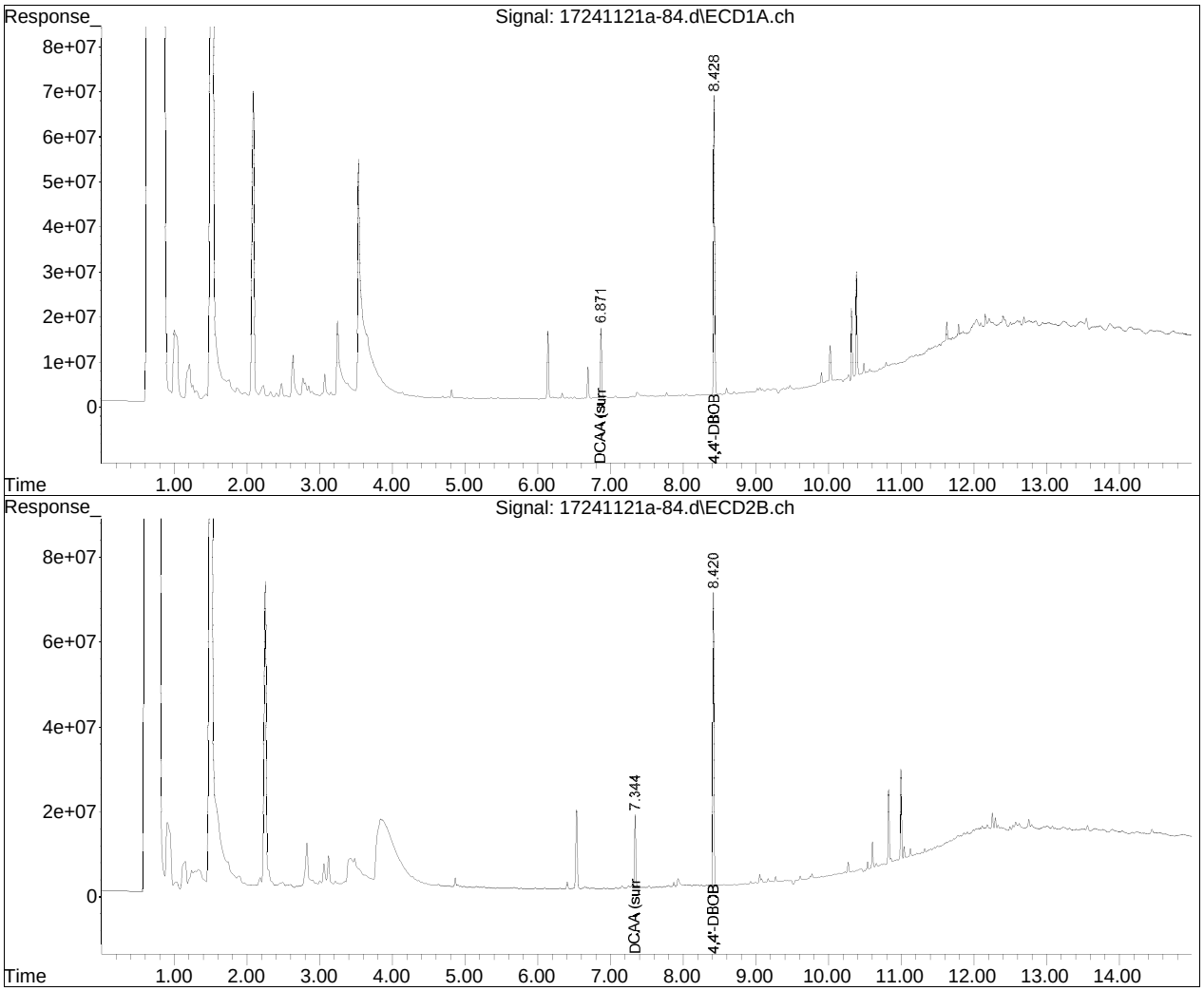
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-84.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 12:56 pm
Operator : PEST17:ejl
Sample : L2467934-03,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 84 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:08 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

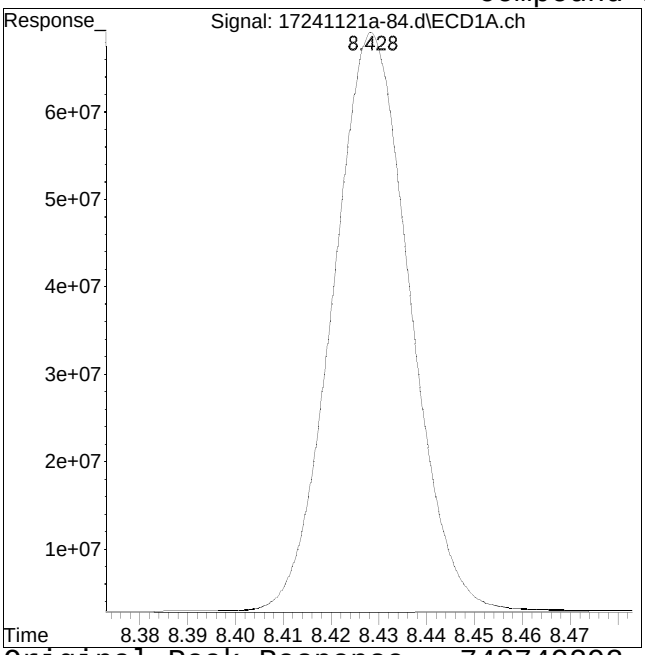
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



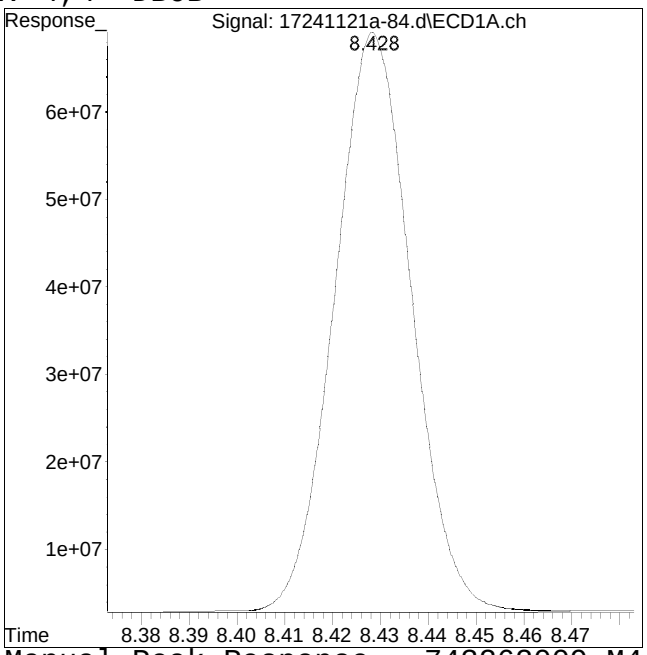
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-84.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:56 pm Instrument : Pest 17
Sample : L2467934-03,42,, Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



Original Peak Response = 748749292



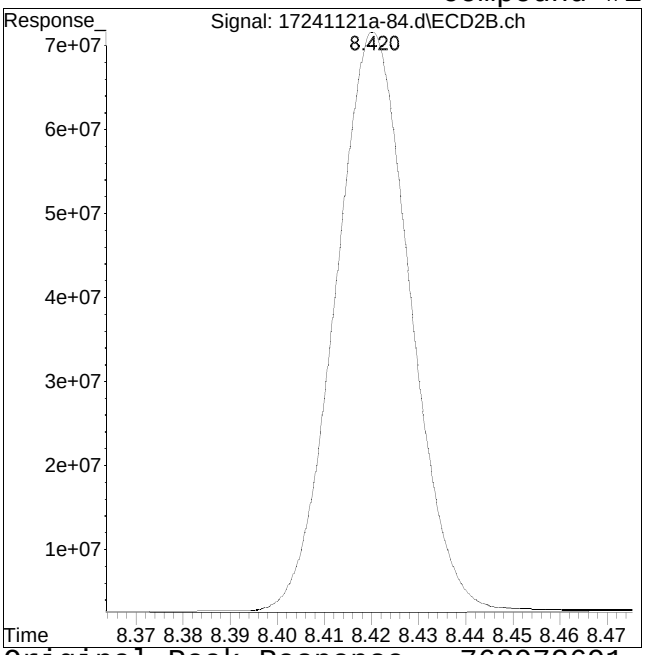
Manual Peak Response = 743262009 M4

M4 = Poor automated baseline construction.

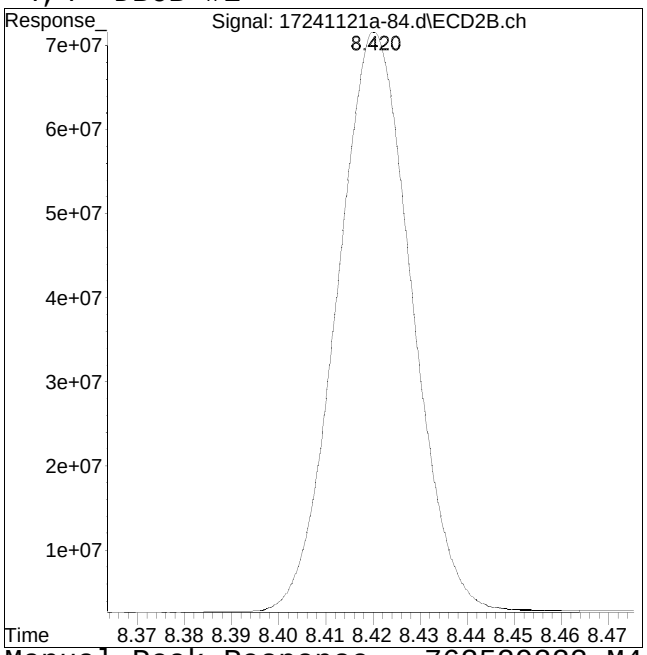
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-84.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:56 pm Instrument : Pest 17
Sample : L2467934-03,42,, Quant Date : 11/25/2024 10:14 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 768972691



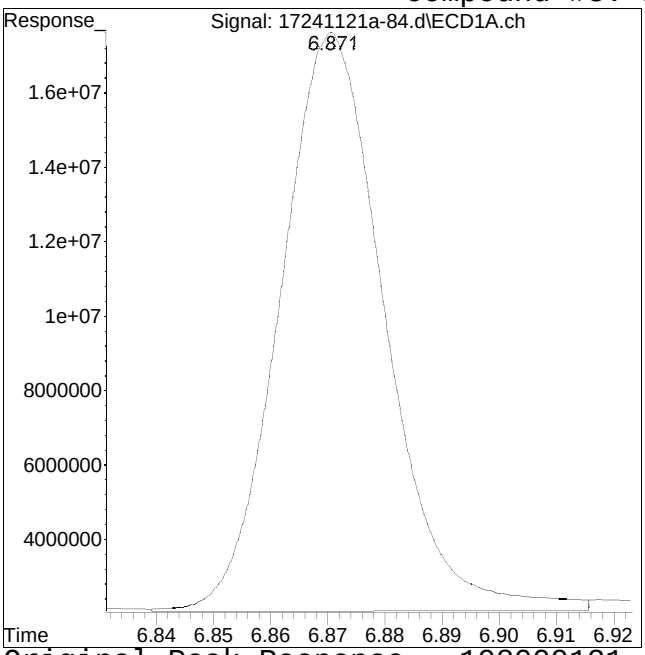
Manual Peak Response = 762529222 M4

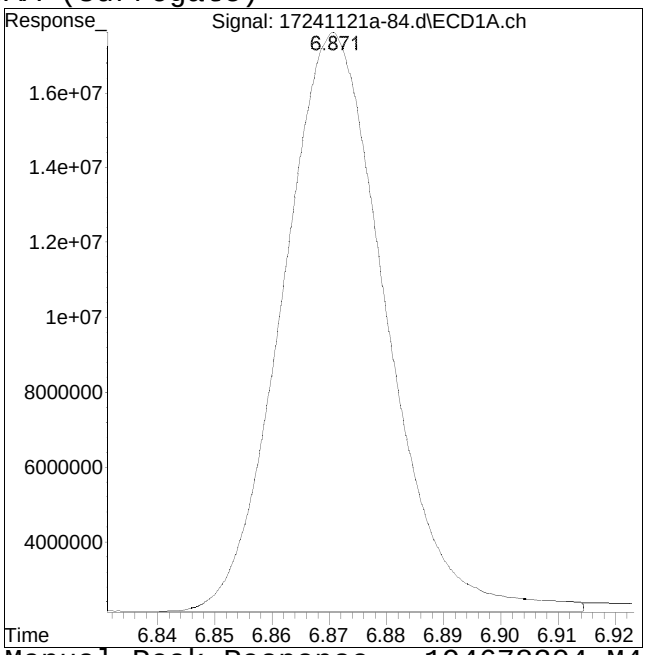
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-84.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:56 pm Instrument : Pest 17
Sample : L2467934-03,42,, Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)



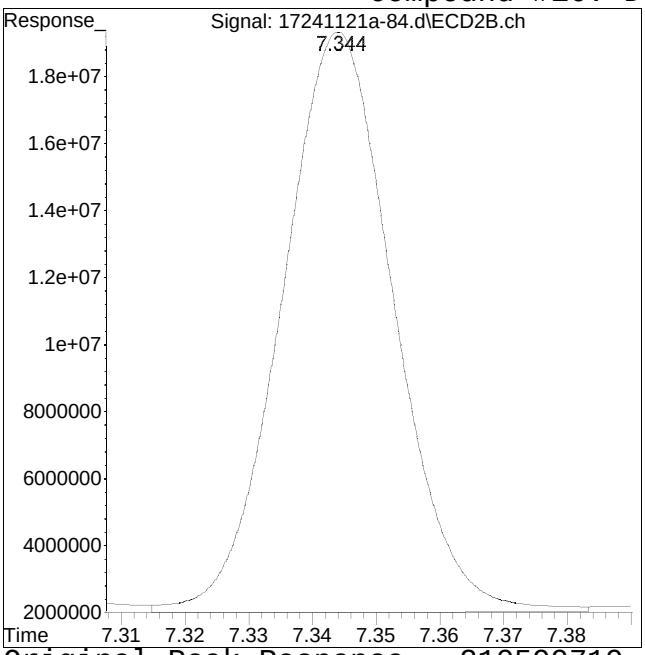


Original Peak Response = 198009121 Manual Peak Response = 194678304 M4
M4 = Poor automated baseline construction.

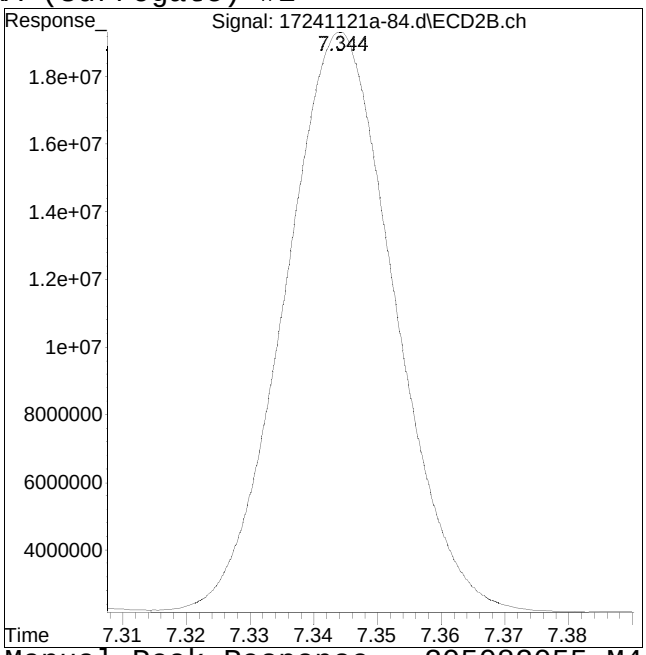
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-84.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:56 pm Instrument : Pest 17
Sample : L2467934-03,42,, Quant Date : 11/25/2024 10:14 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 210599719



Manual Peak Response = 205082055 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-85.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 1:14 pm
Operator : PEST17:ejl
Sample : L2467934-04,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 85 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:10 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.420	708.9E6	727.5E6	0.250M4	0.250M4
Standard Area 1 : #1 = 635502203				Recovery =	111.55%	
Standard Area 1 : #2 = 646886497				Recovery =	112.47%	
System Monitoring Compounds						
3) s DCAA (surrog	6.870	7.343	225.7E6	234.8E6	0.441M4	0.417M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	88.20%	83.40%
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						

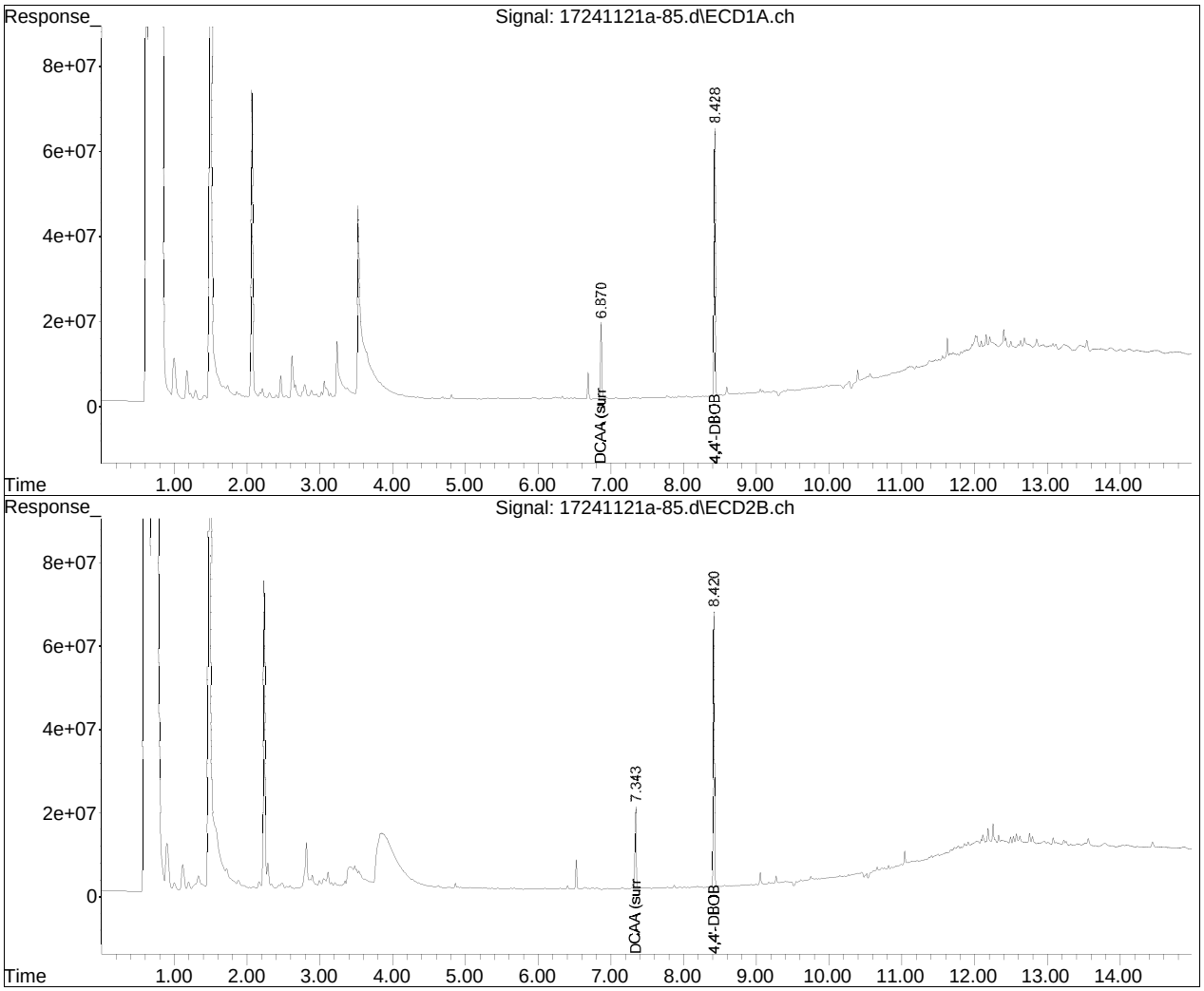
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-85.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 1:14 pm
Operator : PEST17:ejl
Sample : L2467934-04,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 85 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:10 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

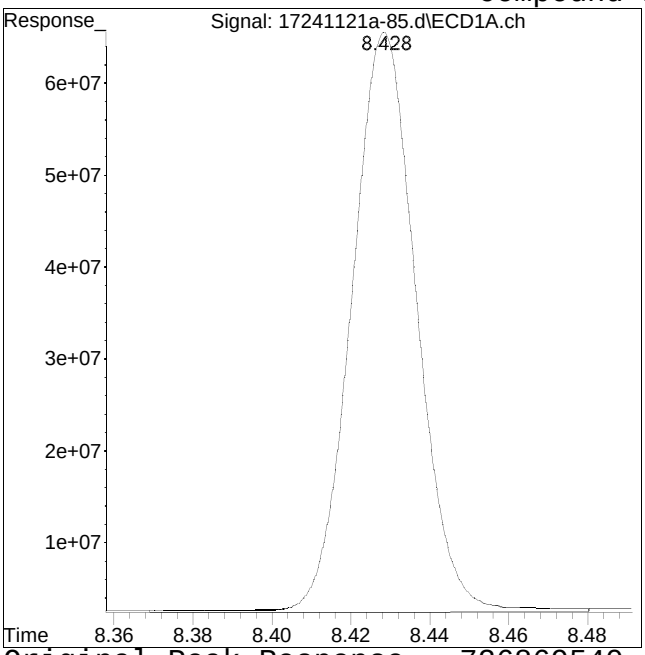
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



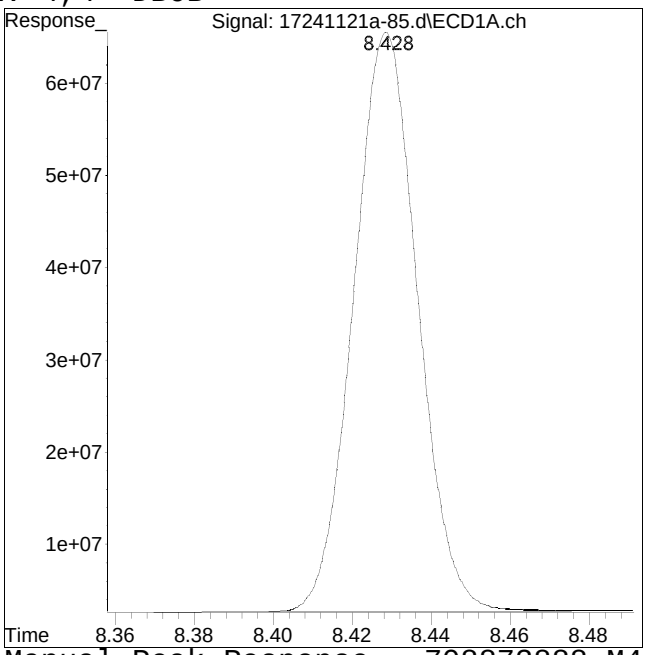
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-85.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:14 pm Instrument : Pest 17
Sample : L2467934-04,42,, Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



Original Peak Response = 726869540

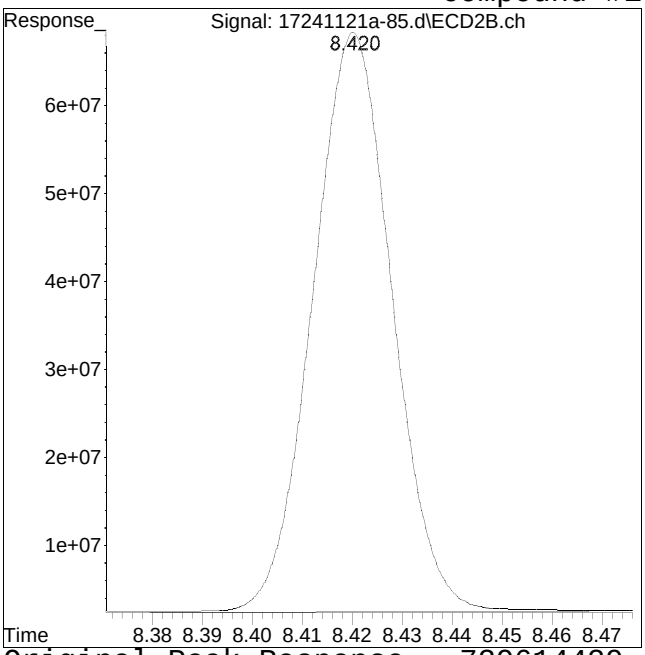


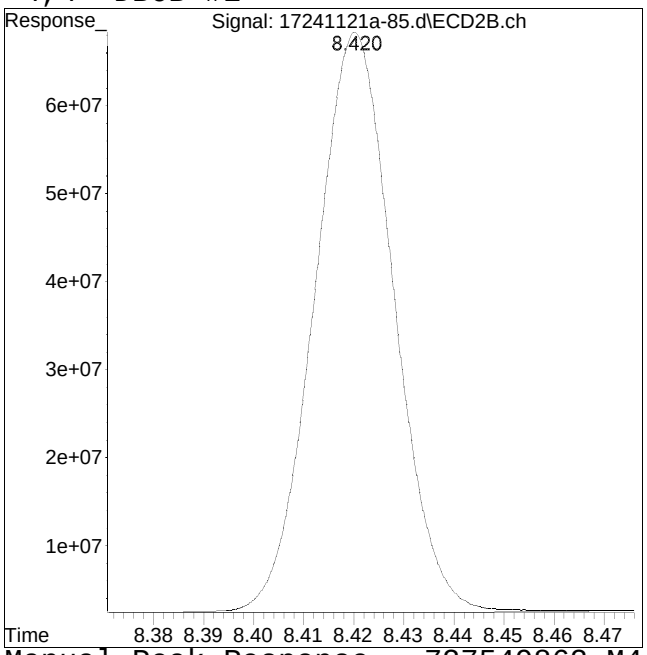
Manual Peak Response = 708873888 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-85.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:14 pm Instrument : Pest 17
Sample : L2467934-04,42,, Quant Date : 11/25/2024 10:14 am

Compound #14: 4,4'-DBOB #2



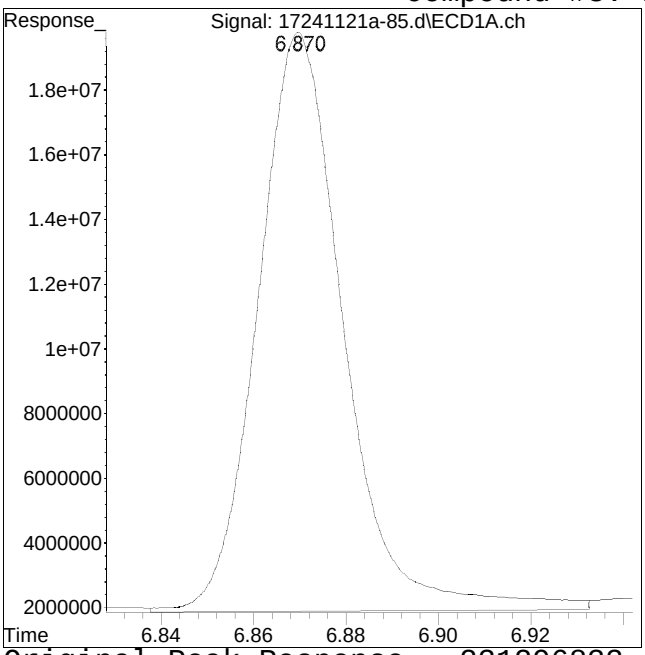


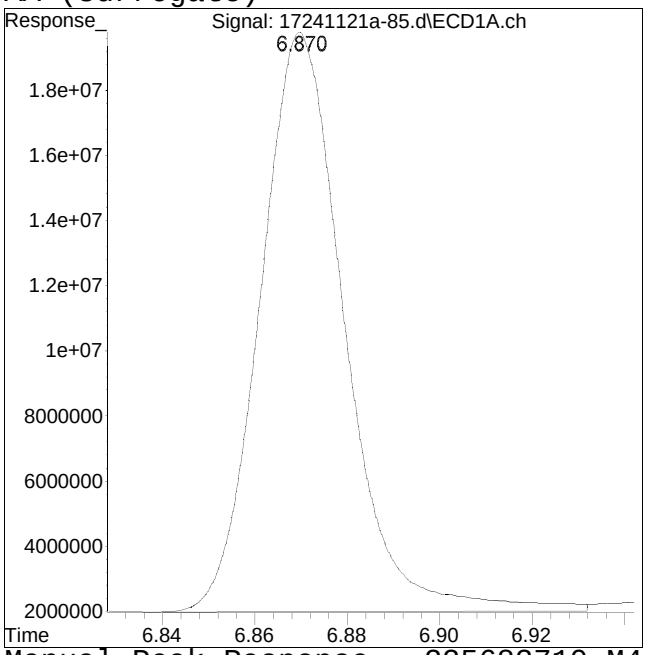
Original Peak Response = 729614429 Manual Peak Response = 727549862 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-85.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:14 pm Instrument : Pest 17
Sample : L2467934-04,42,, Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)



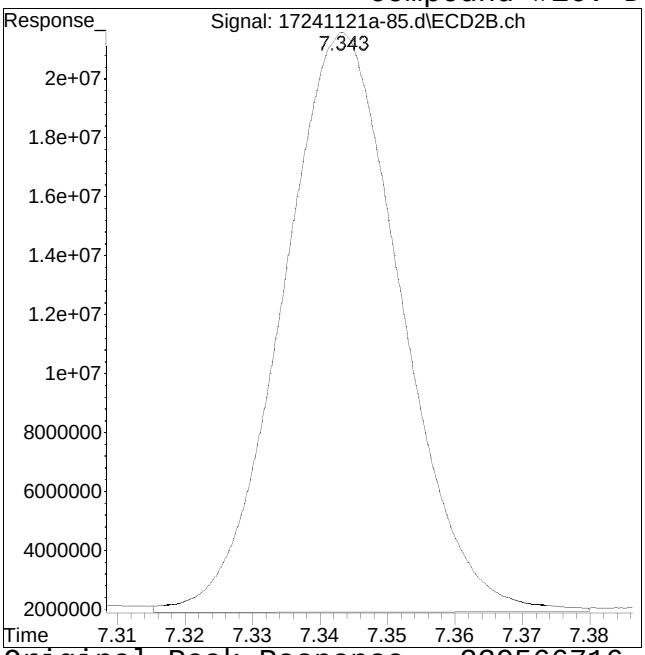


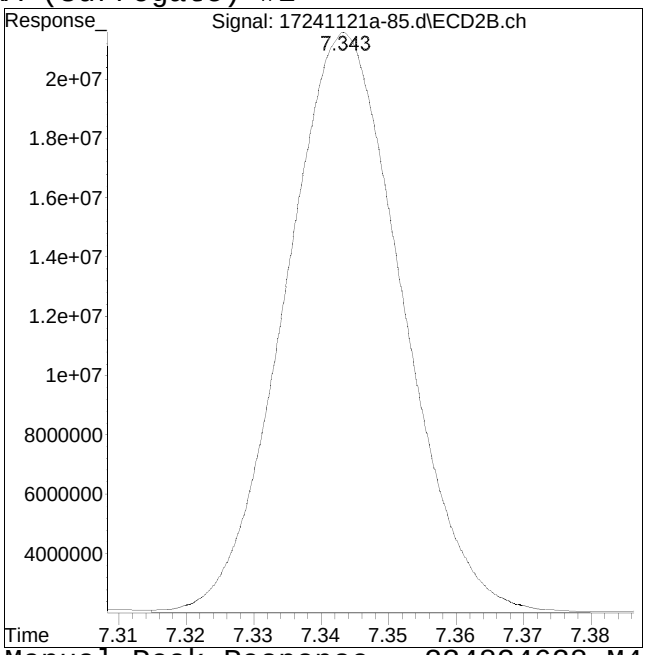
Original Peak Response = 231296833 Manual Peak Response = 225683710 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-85.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:14 pm Instrument : Pest 17
Sample : L2467934-04,42,, Quant Date : 11/25/2024 10:14 am

Compound #16: DCAA (surrogate) #2





Original Peak Response = 239566716 Manual Peak Response = 234824628 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-86.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 1:33 pm
Operator : PEST17:ejl
Sample : L2467934-05,42,, p
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 86 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:11 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.420	669.4E6	687.4E6	0.250M4	0.250
Standard Area 1 : #1 = 635502203				Recovery =	105.34%	
Standard Area 1 : #2 = 646886497				Recovery =	106.26%	
System Monitoring Compounds						
3) s DCAA (surrog	6.870	7.343	186.1E6	193.3E6	0.385M4	0.364M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	77.00%	72.80%
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						

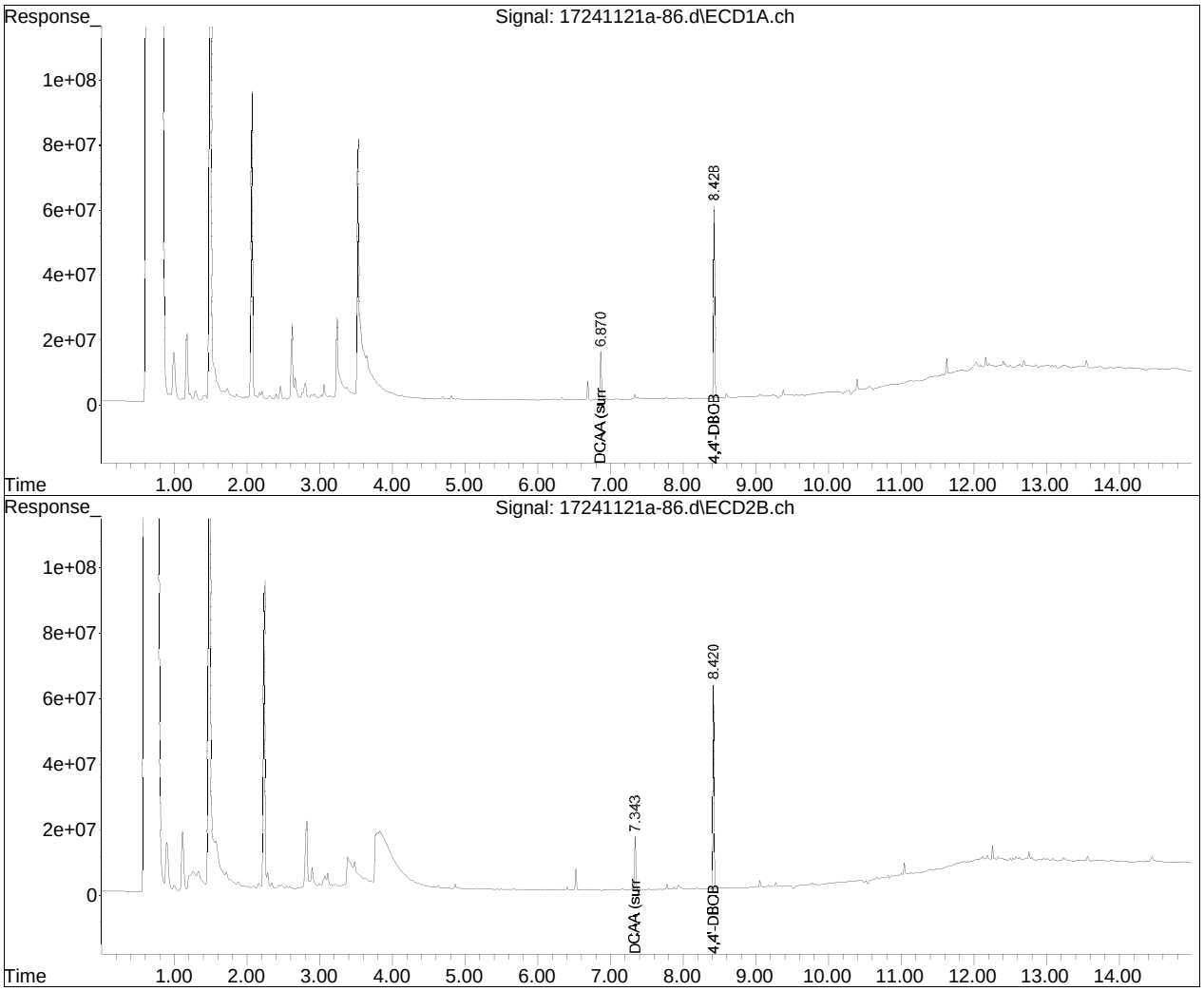
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-86.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 1:33 pm
Operator : PEST17:ejl
Sample : L2467934-05,42,, p
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 86 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:11 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

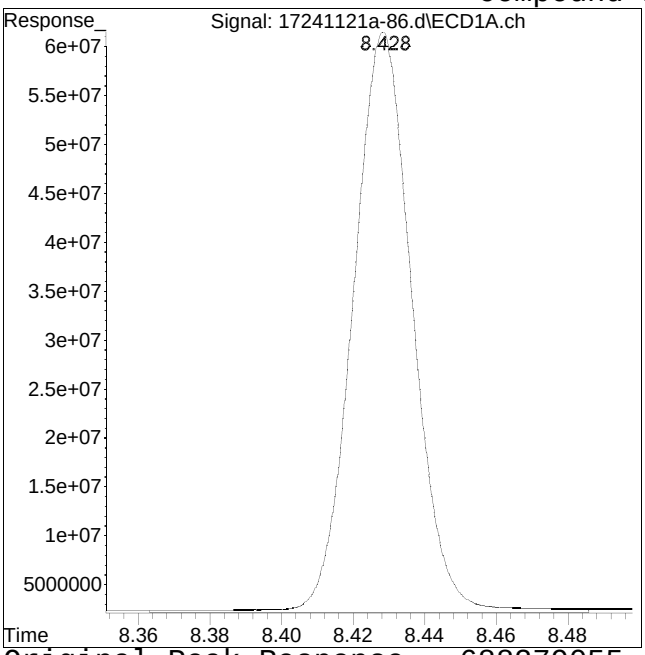
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

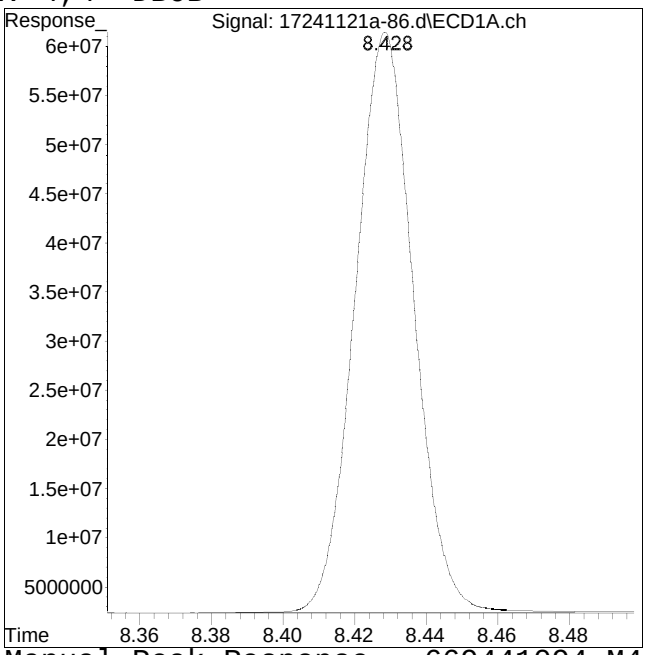


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-86.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:33 pm Instrument : Pest 17
Sample : L2467934-05,42,, p Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



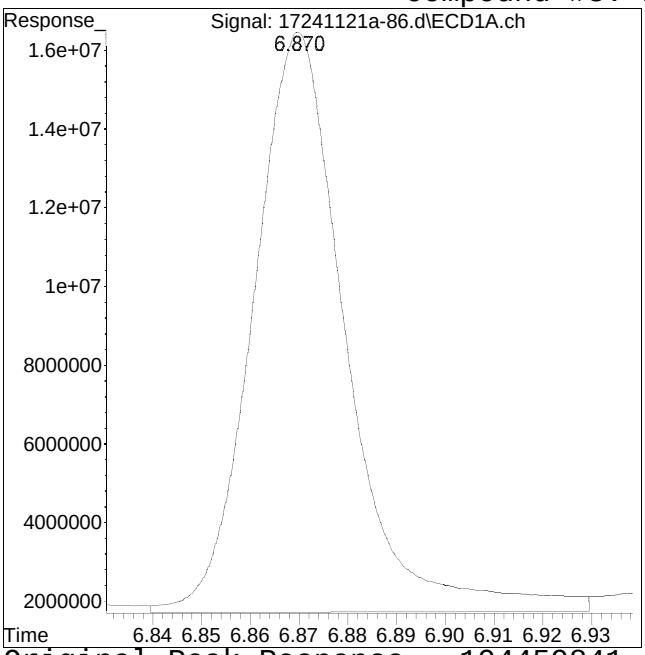


Original Peak Response = 688279055 Manual Peak Response = 669441094 M4
M4 = Poor automated baseline construction.

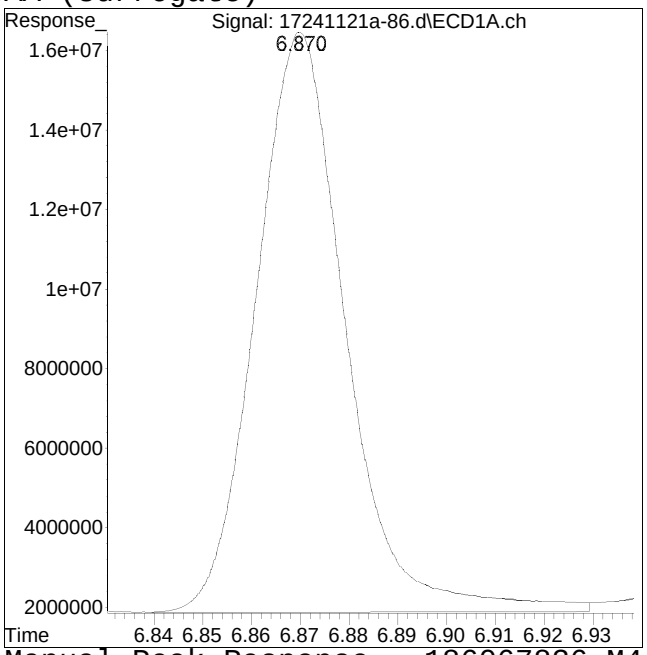
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-86.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:33 pm Instrument : Pest 17
Sample : L2467934-05,42,, p Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)



Original Peak Response = 194459841



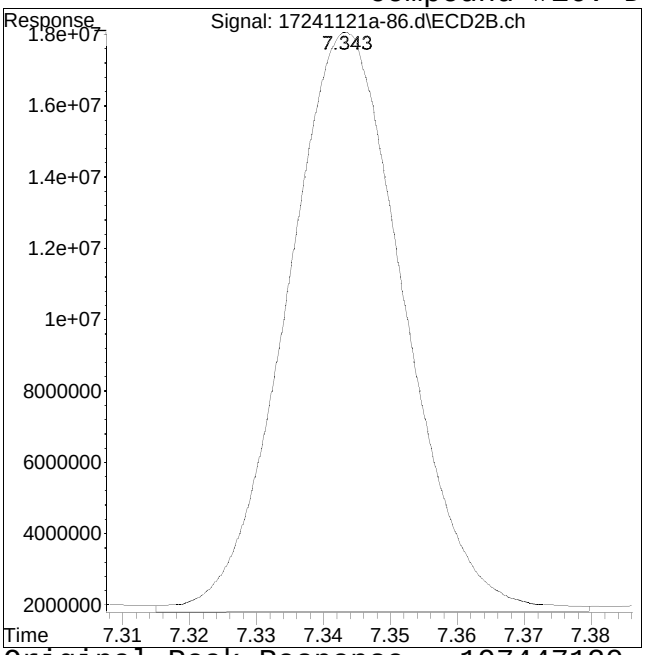
Manual Peak Response = 186067836 M4

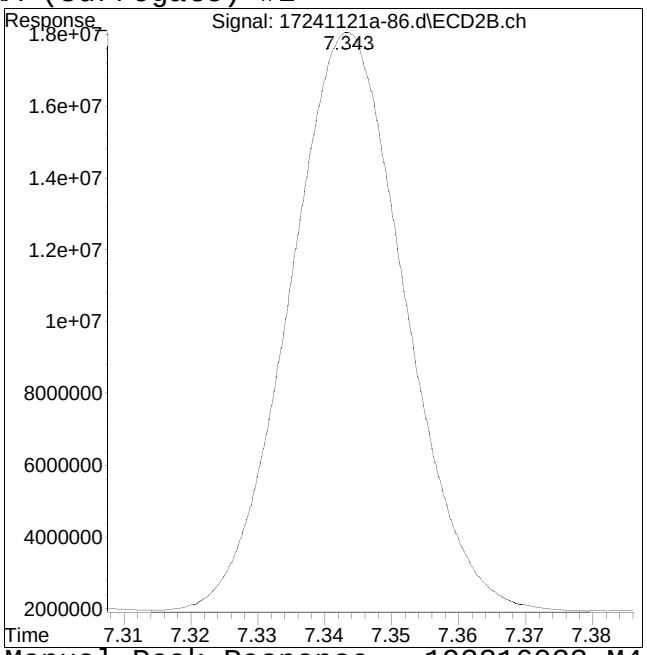
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-86.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:33 pm Instrument : Pest 17
Sample : L2467934-05,42,, p Quant Date : 11/25/2024 10:14 am

Compound #16: DCAA (surrogate) #2





Original Peak Response = 197447120 Manual Peak Response = 193316023 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-89.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 2:28 pm
Operator : PEST17:ejl
Sample : L2467934-06,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 89 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:16 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.420	717.3E6	725.5E6	0.250M3	0.250M3
Standard Area 1 : #1 = 635502203				Recovery = 112.87%		
Standard Area 1 : #2 = 646886497				Recovery = 112.15%		
System Monitoring Compounds						
3) s DCAA (surrog	6.870	7.344	193.1E6	204.7E6	0.373M4	0.365
Spiked Amount 0.500	Range 30 - 150		Recovery = 74.60%		73.00%	
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						

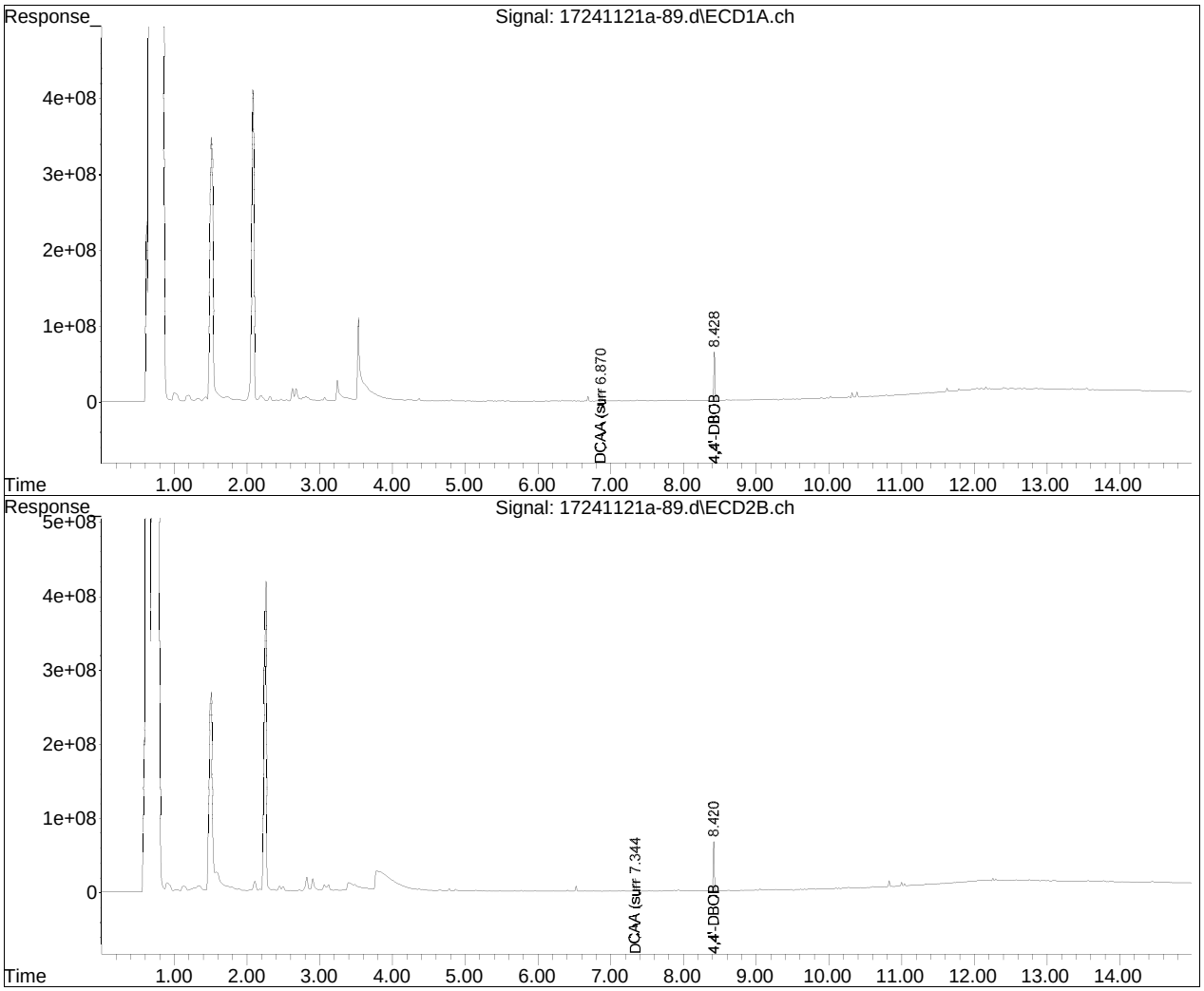
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-89.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 2:28 pm
Operator : PEST17:ejl
Sample : L2467934-06,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 89 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:16 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

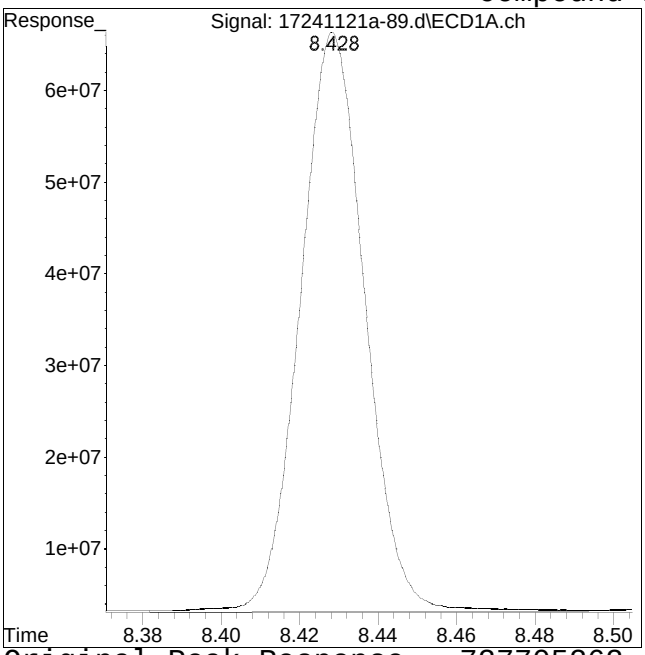
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

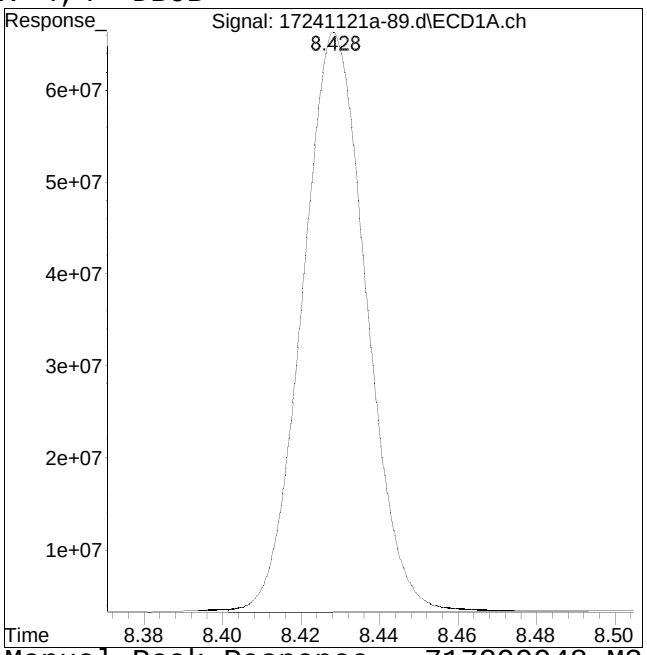


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-89.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:28 pm Instrument : Pest 17
Sample : L2467934-06,42,, Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



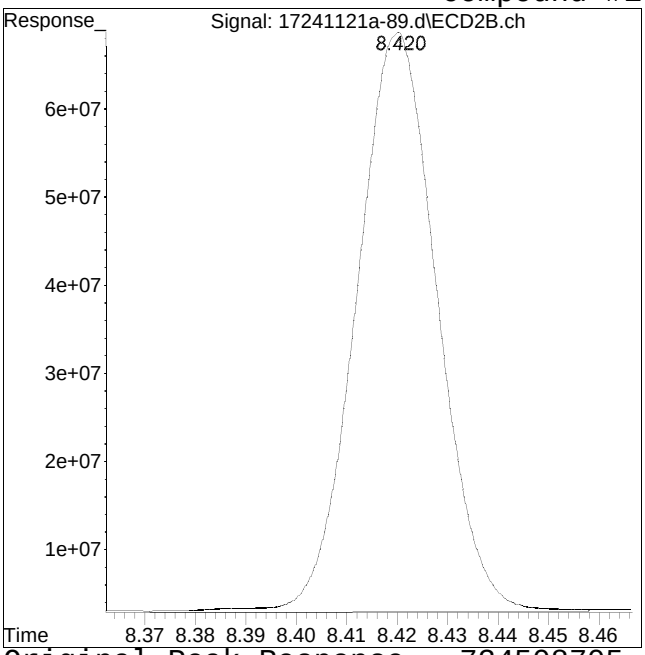


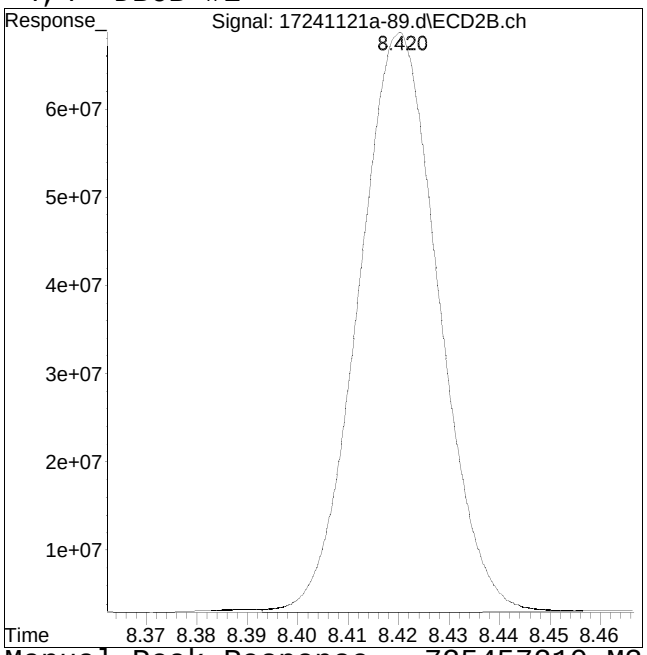
Original Peak Response = 727705262 Manual Peak Response = 717299948 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-89.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:28 pm Instrument : Pest 17
Sample : L2467934-06,42,, Quant Date : 11/25/2024 10:14 am

Compound #14: 4,4'-DBOB #2



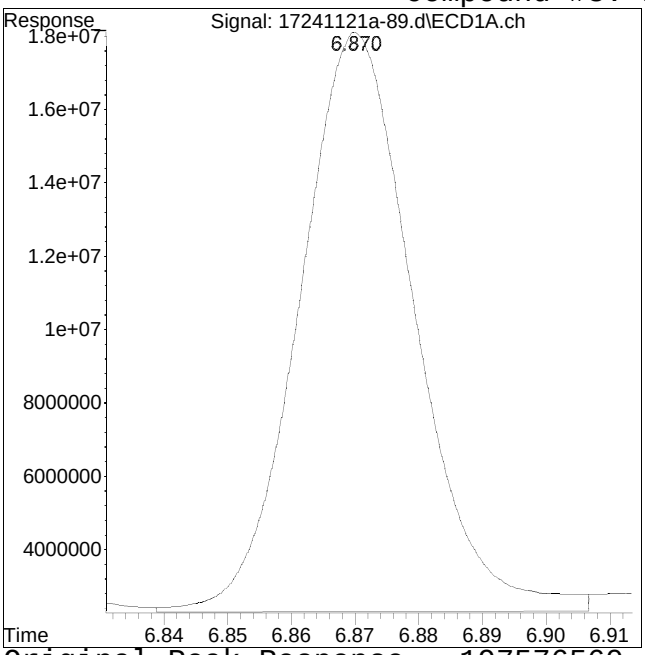


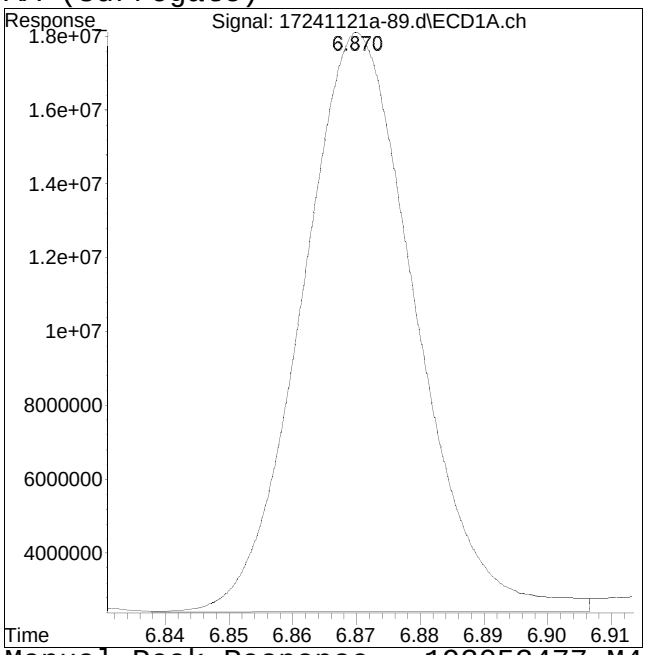
Original Peak Response = 734508705 Manual Peak Response = 725457210 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-89.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:28 pm Instrument : Pest 17
Sample : L2467934-06,42,, Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)





Original Peak Response = 197576560 Manual Peak Response = 193053477 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-90.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 2:46 pm
Operator : PEST17:ejl
Sample : L2467934-07,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:17 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.419	632.7E6	645.8E6	0.250M4	0.250M4
Standard Area 1 : #1 = 635502203				Recovery =	99.56%	
Standard Area 1 : #2 = 646886497				Recovery =	99.83%	
System Monitoring Compounds						
3) s DCAA (surrog	6.869	7.343	218.9E6	233.4E6	0.479M4	0.467
Spiked Amount	0.500	Range 30 - 150		Recovery =	95.80%	93.40%
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						

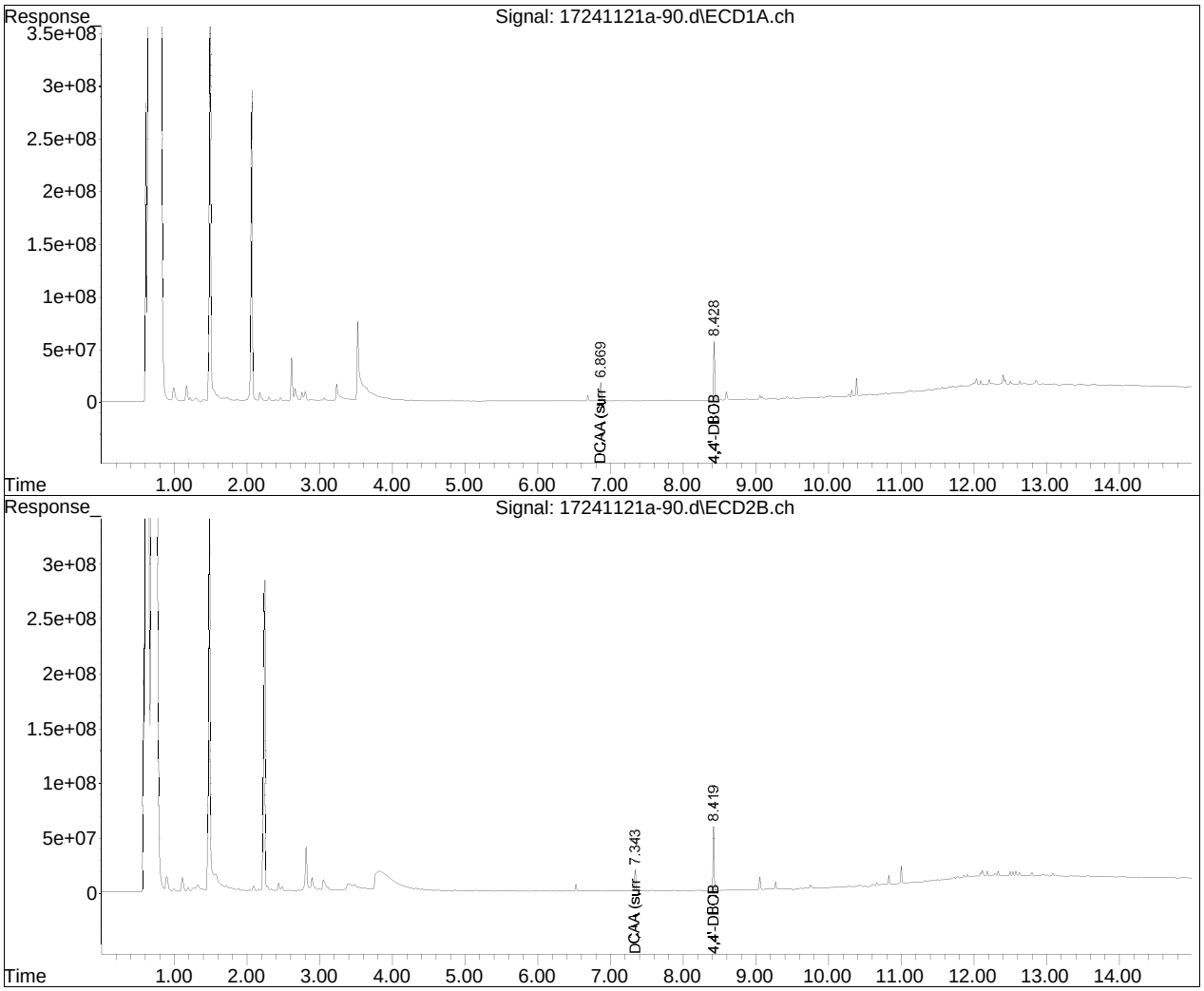
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-90.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 2:46 pm
Operator : PEST17:ejl
Sample : L2467934-07,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:17 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

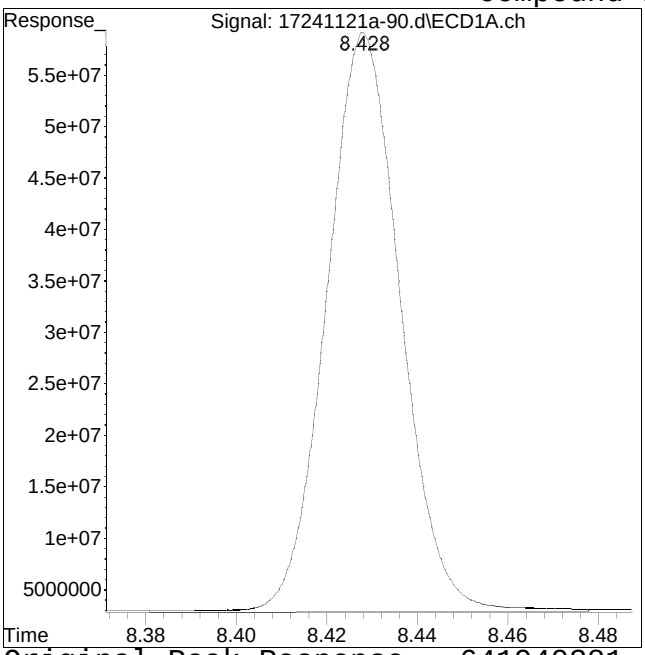
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

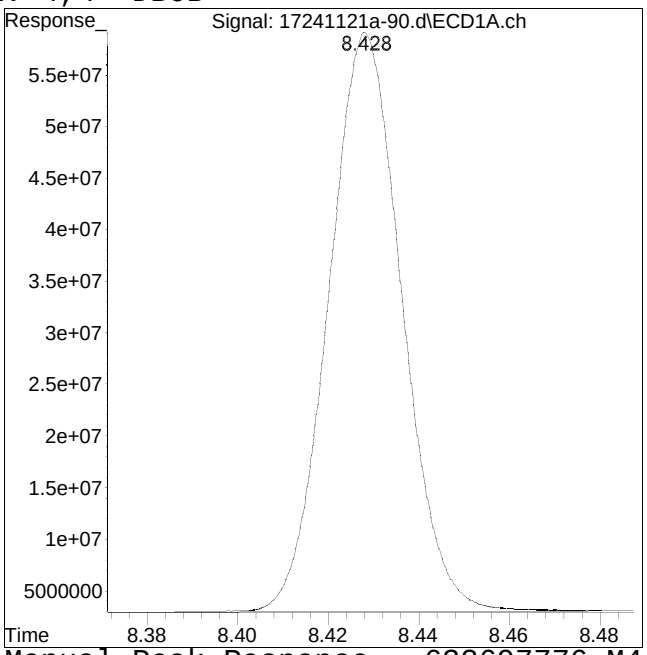


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-90.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:46 pm Instrument : Pest 17
Sample : L2467934-07,42,, Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



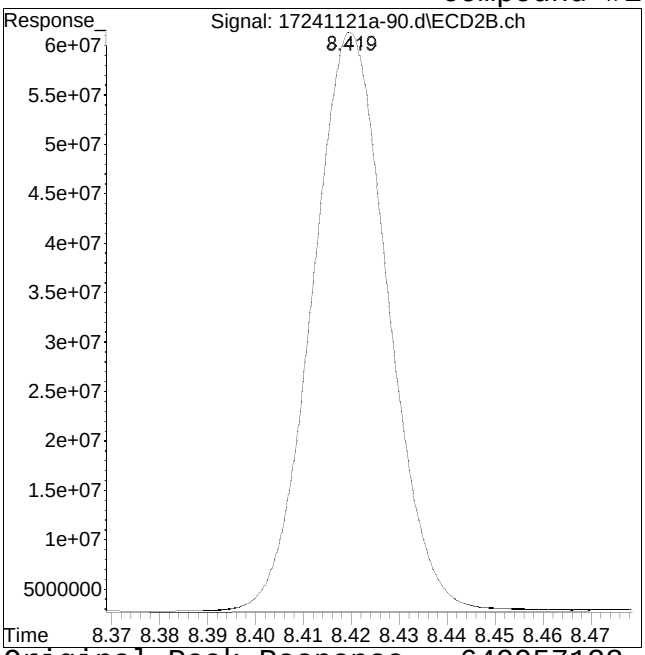


Original Peak Response = 641940381 Manual Peak Response = 632697776 M4
M4 = Poor automated baseline construction.

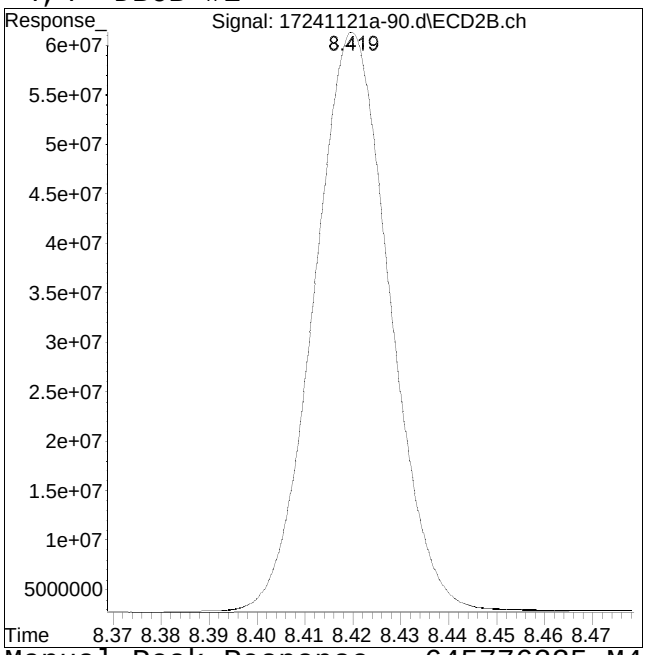
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-90.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:46 pm Instrument : Pest 17
Sample : L2467934-07,42,, Quant Date : 11/25/2024 10:14 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 649957123



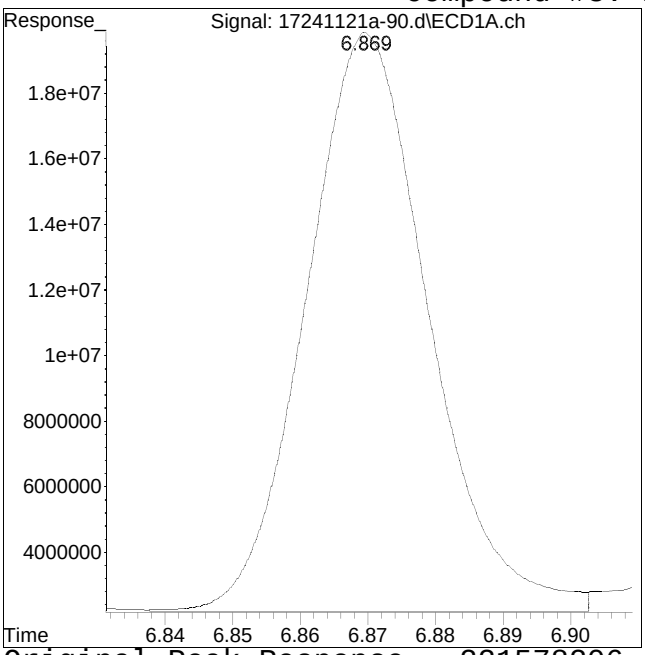
Manual Peak Response = 645776235 M4

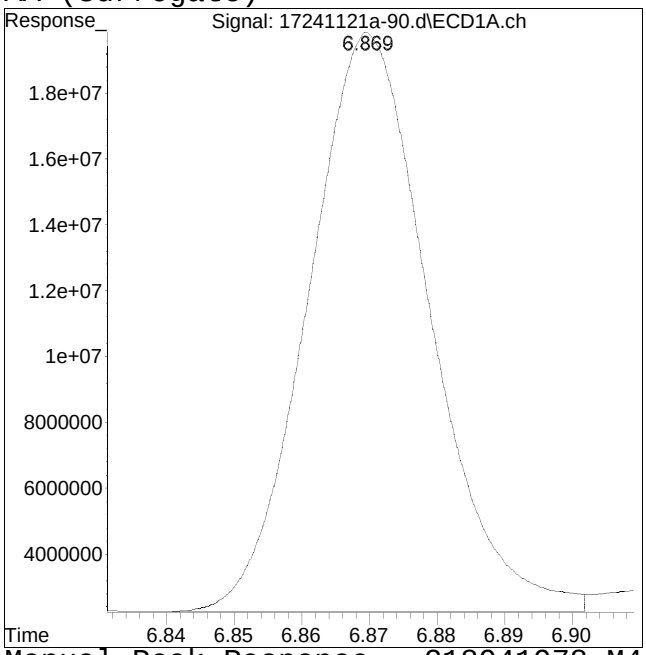
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-90.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:46 pm Instrument : Pest 17
Sample : L2467934-07,42,, Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)





Original Peak Response = 221578206 Manual Peak Response = 218941978 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-91.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 3:05 pm
Operator : PEST17:ejl
Sample : L2467934-08,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:19 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.429	8.420	681.4E6	695.7E6	0.250M4	0.250M4
Standard Area 1 : #1 = 635502203				Recovery = 107.21%		
Standard Area 1 : #2 = 646886497				Recovery = 107.54%		
System Monitoring Compounds						
3) s DCAA (surrog	6.870	7.344	166.9E6	178.8E6	0.340M3	0.332
Spiked Amount 0.500	Range 30 - 150		Recovery = 68.00%		66.40%	
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.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						

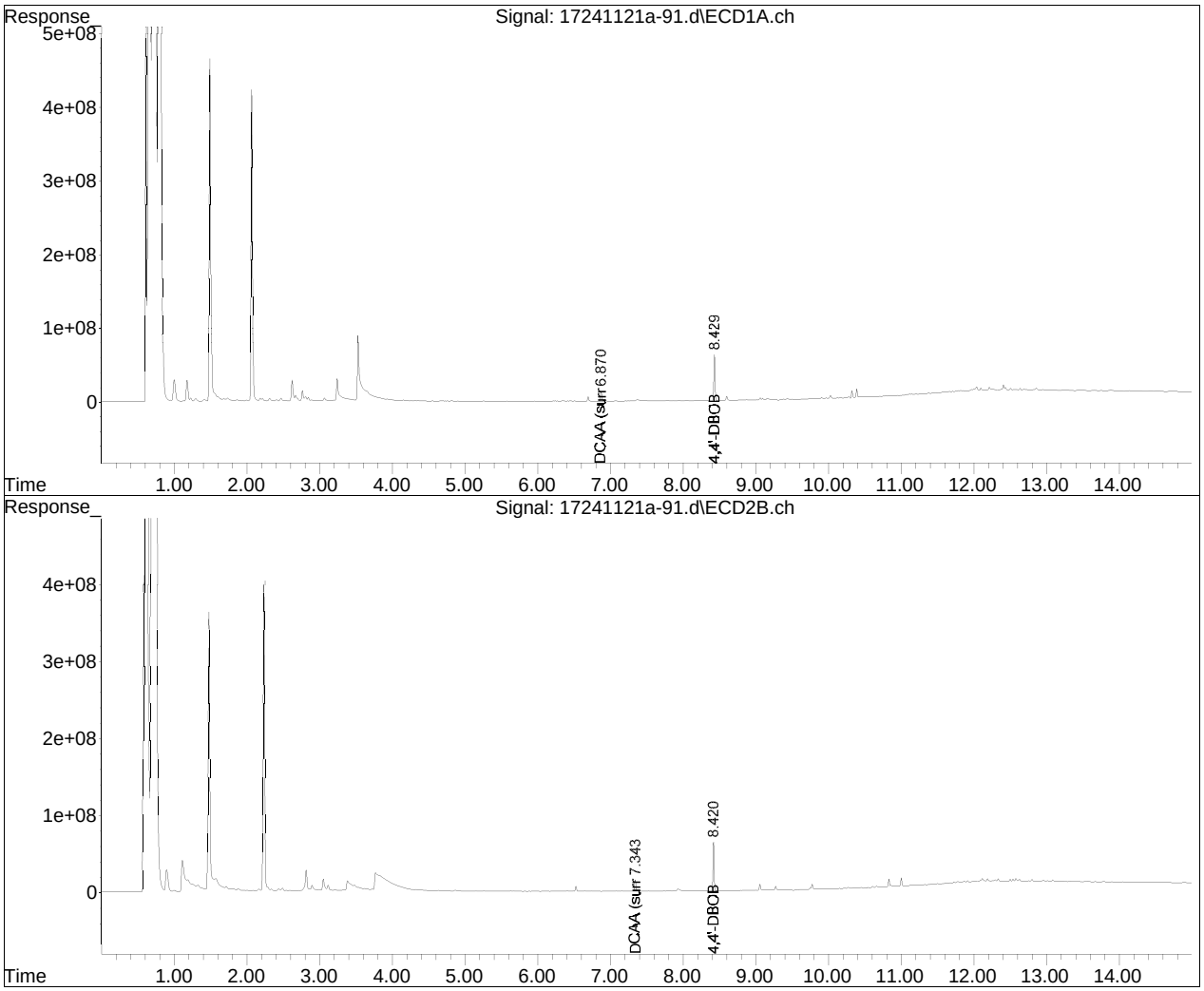
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-91.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 3:05 pm
Operator : PEST17:ejl
Sample : L2467934-08,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:19 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

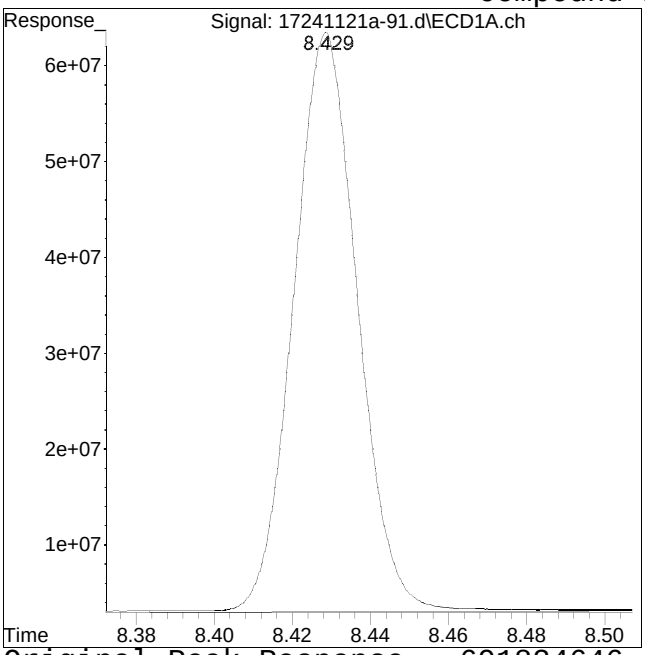
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

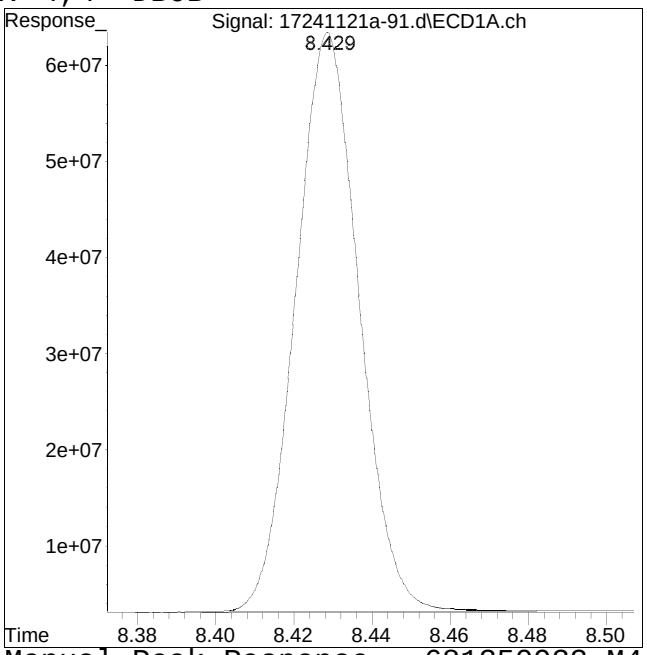


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-91.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:05 pm Instrument : Pest 17
Sample : L2467934-08,42,, Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



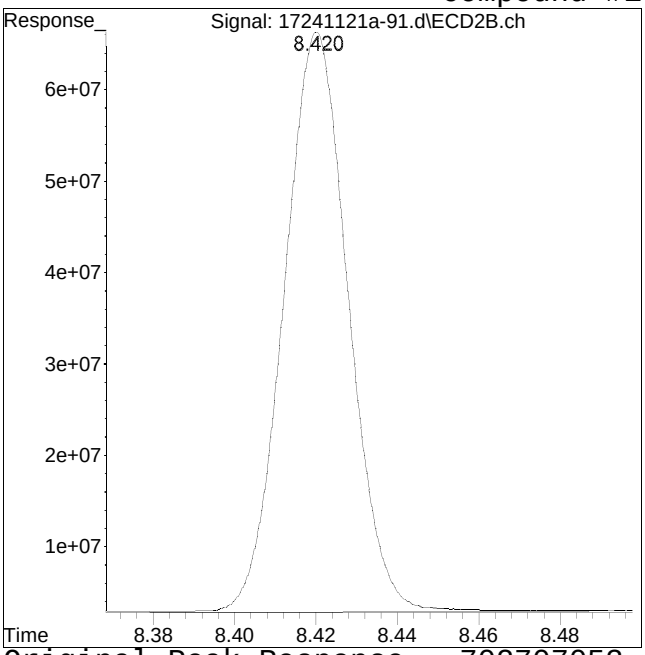


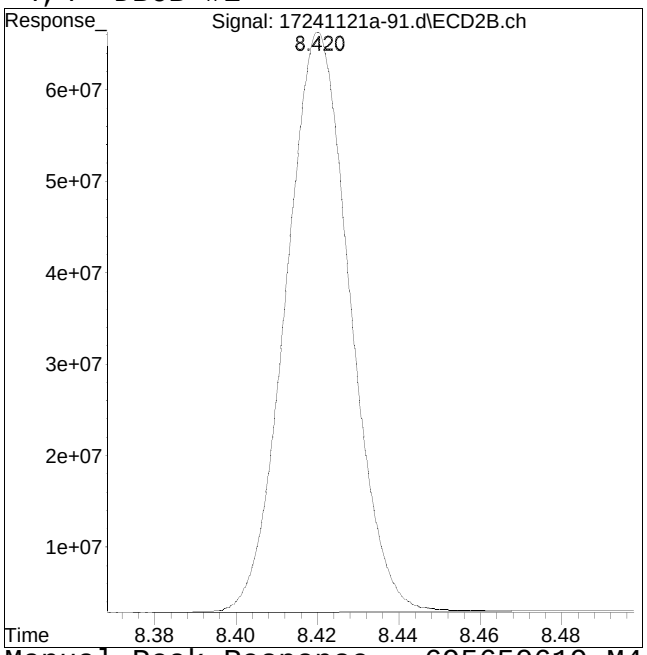
Original Peak Response = 691824646 Manual Peak Response = 681350933 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-91.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:05 pm Instrument : Pest 17
Sample : L2467934-08,42,, Quant Date : 11/25/2024 10:14 am

Compound #14: 4,4'-DBOB #2



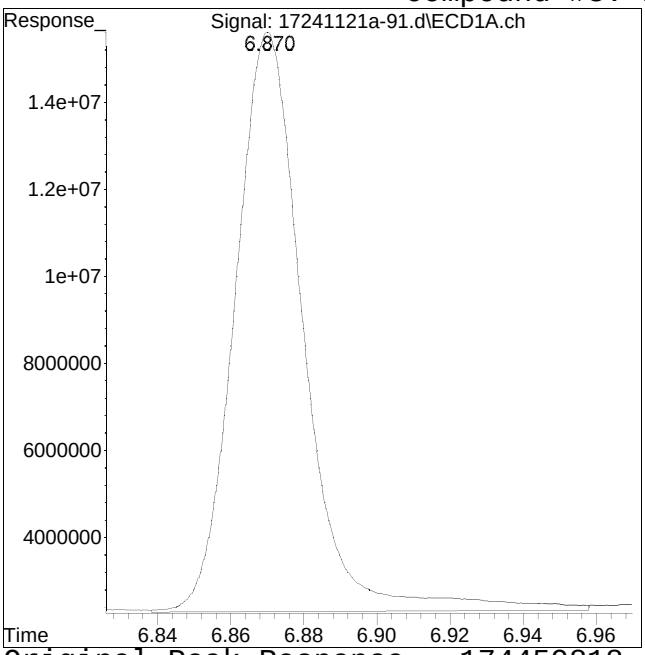


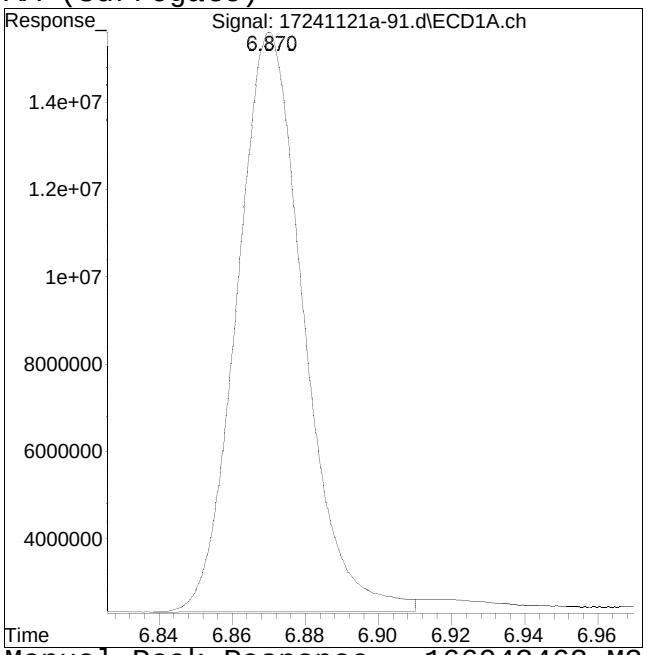
Original Peak Response = 702707053 Manual Peak Response = 695650619 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-91.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:05 pm Instrument : Pest 17
Sample : L2467934-08,42,, Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)





Original Peak Response = 174459818 Manual Peak Response = 166943462 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\Pest17\2024\241121A\
Data File : 17241121a-92.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 3:23 pm
Operator : PEST17:ejl
Sample : L2467934-09,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 92 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:21 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.420	746.5E6	758.9E6	0.250M4	0.250M4
Standard Area 1 : #1 = 635502203				Recovery = 117.47%		
Standard Area 1 : #2 = 646886497				Recovery = 117.32%		
System Monitoring Compounds						
3) s DCAA (surrog	6.870	7.344	166.2E6	178.8E6	0.309M4	0.305
Spiked Amount 0.500	Range 30 - 150		Recovery = 61.80%		61.00%	
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						

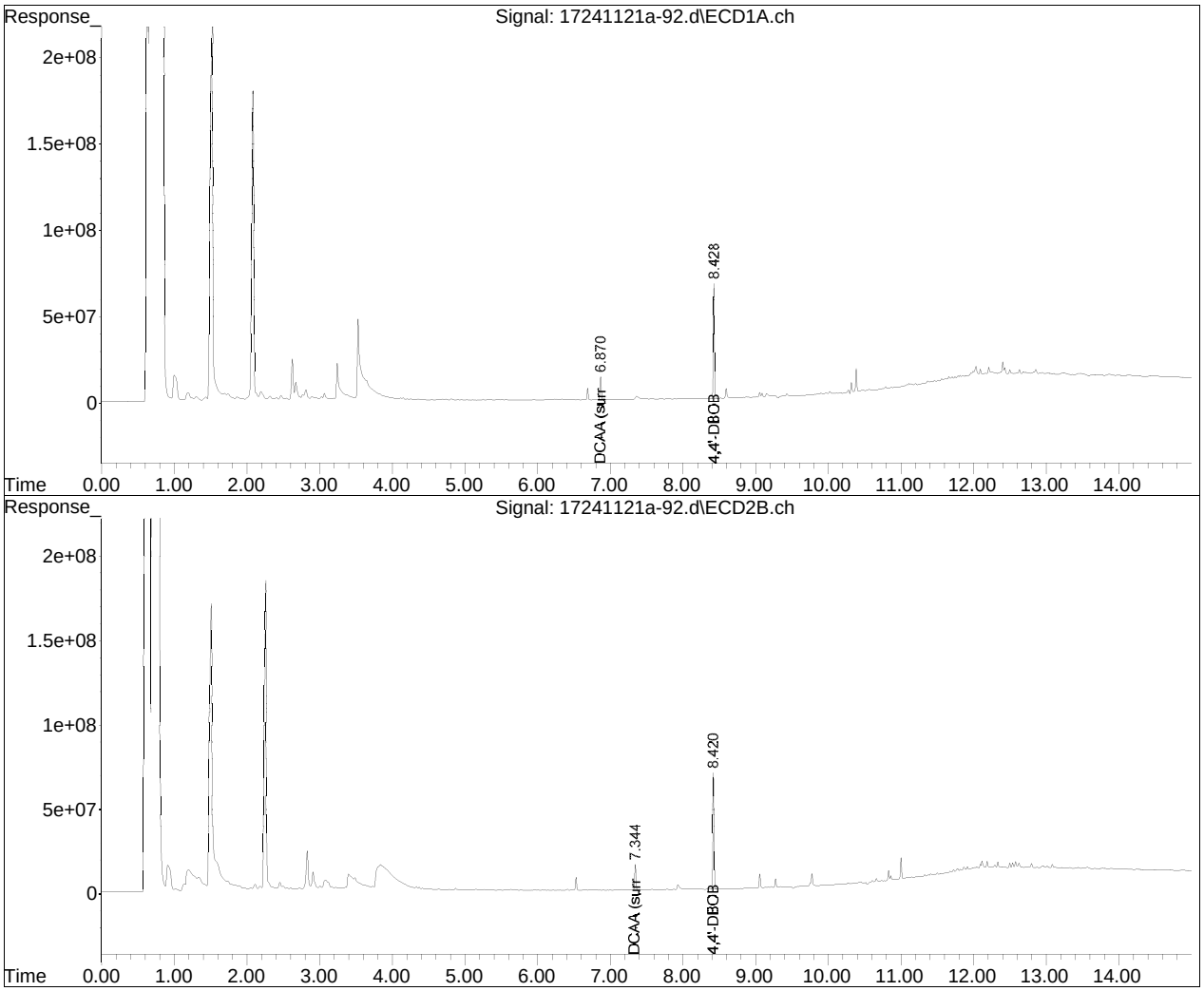
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-92.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 3:23 pm
Operator : PEST17:ejl
Sample : L2467934-09,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 92 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:21 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

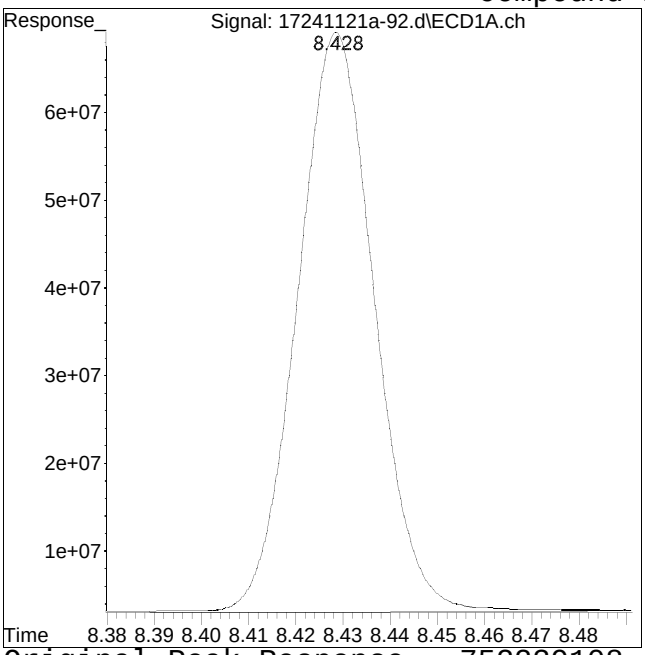
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

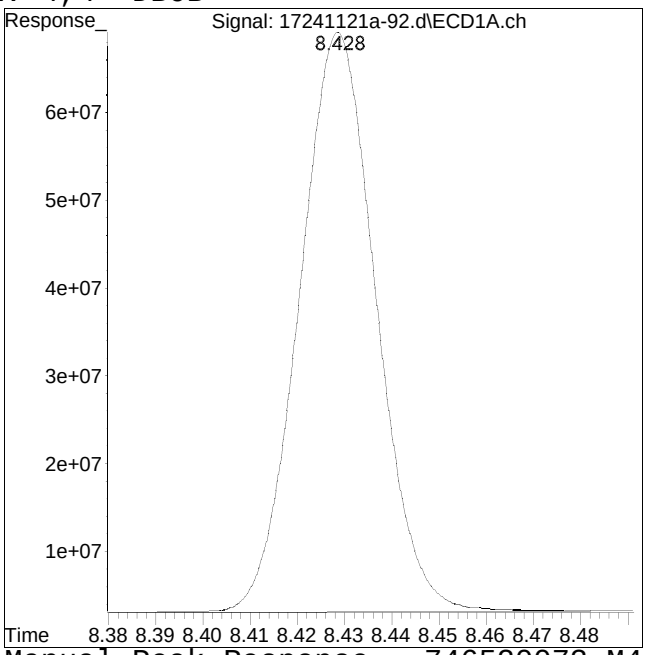


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-92.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:23 pm Instrument : Pest 17
Sample : L2467934-09,42,, Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



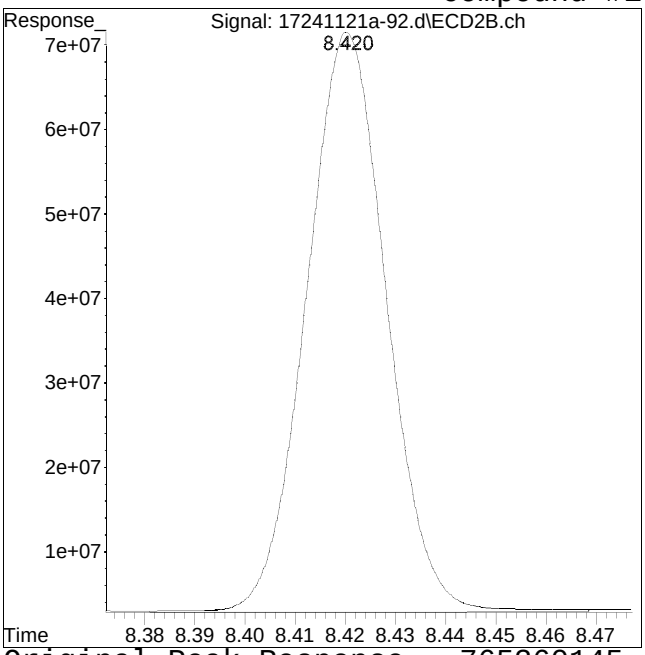


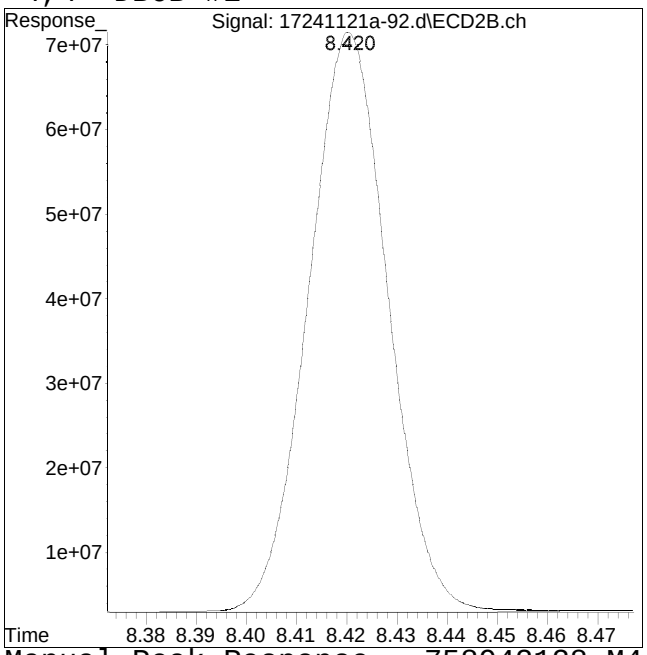
Original Peak Response = 752239108 Manual Peak Response = 746520073 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-92.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:23 pm Instrument : Pest 17
Sample : L2467934-09,42,, Quant Date : 11/25/2024 10:14 am

Compound #14: 4,4'-DBOB #2



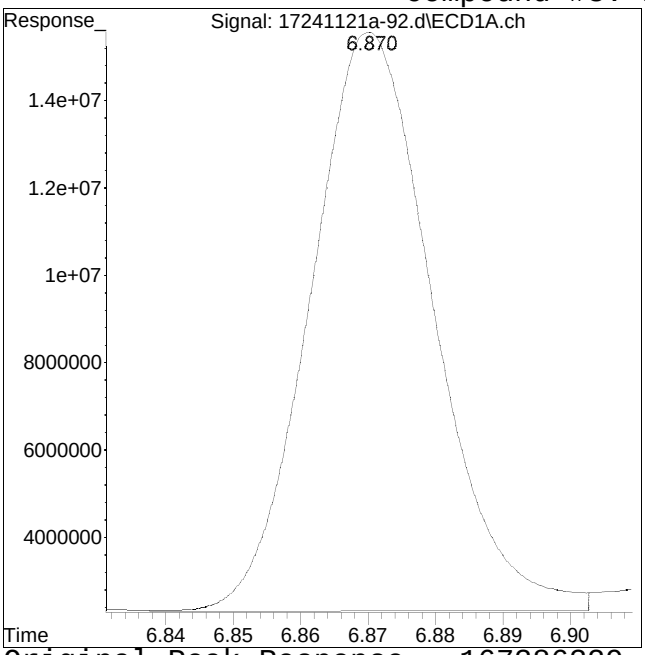


Original Peak Response = 765360145 Manual Peak Response = 758942128 M4
M4 = Poor automated baseline construction.

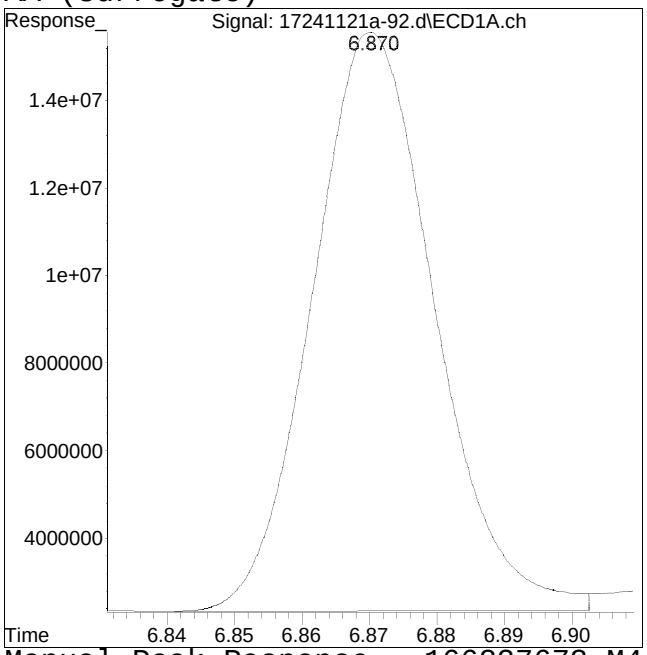
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-92.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:23 pm Instrument : Pest 17
Sample : L2467934-09,42,, Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)



Original Peak Response = 167386329



Manual Peak Response = 166227673 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-93.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 3:42 pm
Operator : PEST17:ejl
Sample : L2467934-10,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 93 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:22 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.420	734.4E6	746.2E6	0.250M4	0.250M4
Standard Area 1 : #1 = 635502203				Recovery = 115.56%		
Standard Area 1 : #2 = 646886497				Recovery = 115.36%		
System Monitoring Compounds						
3) s DCAA (surrog	6.870	7.343	144.6E6	155.0E6	0.273M4	0.268M4
Spiked Amount 0.500	Range 30 - 150		Recovery = 54.60%		53.60%	
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						

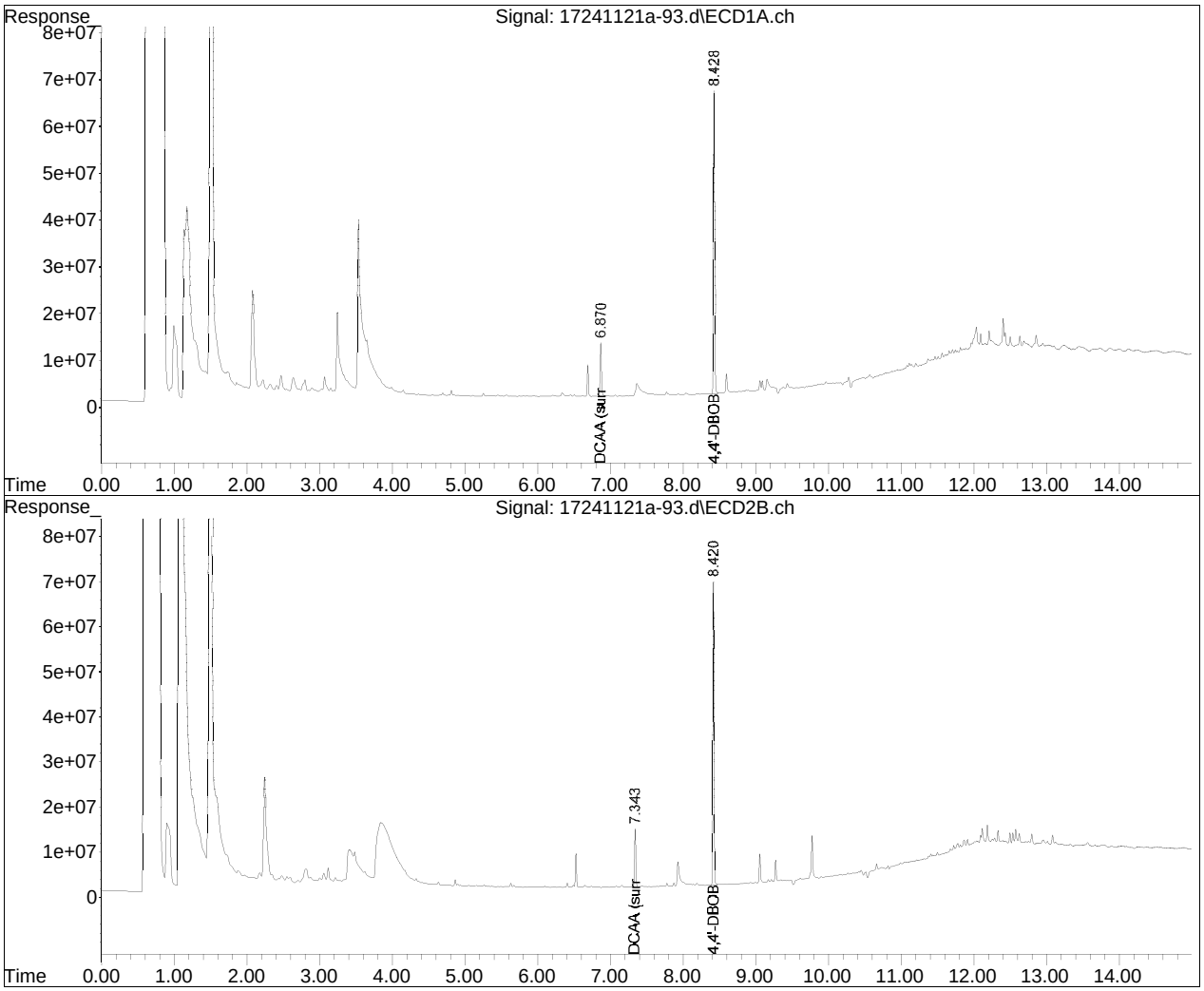
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-93.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 3:42 pm
Operator : PEST17:ejl
Sample : L2467934-10,42,,
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 93 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:22 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

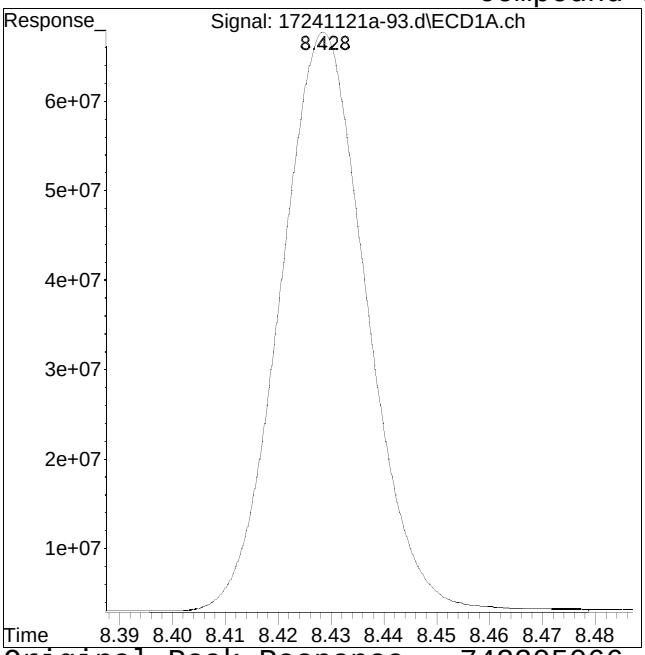
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

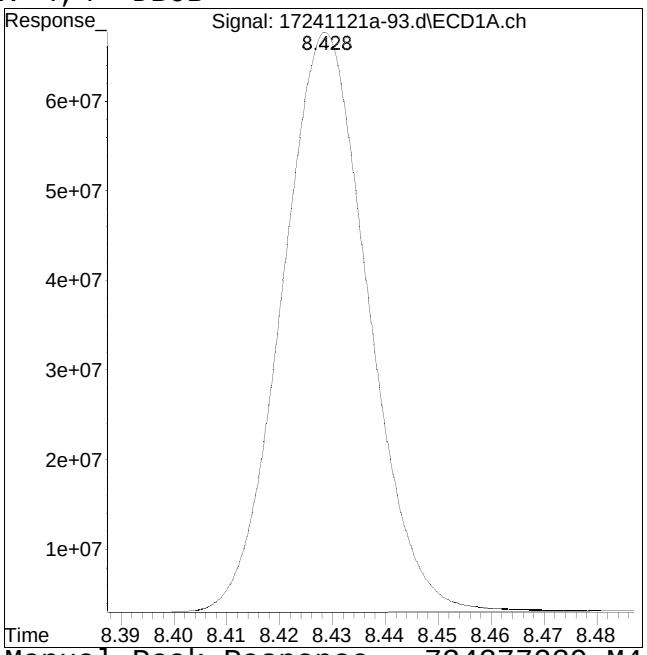


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-93.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:42 pm Instrument : Pest 17
Sample : L2467934-10,42,, Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



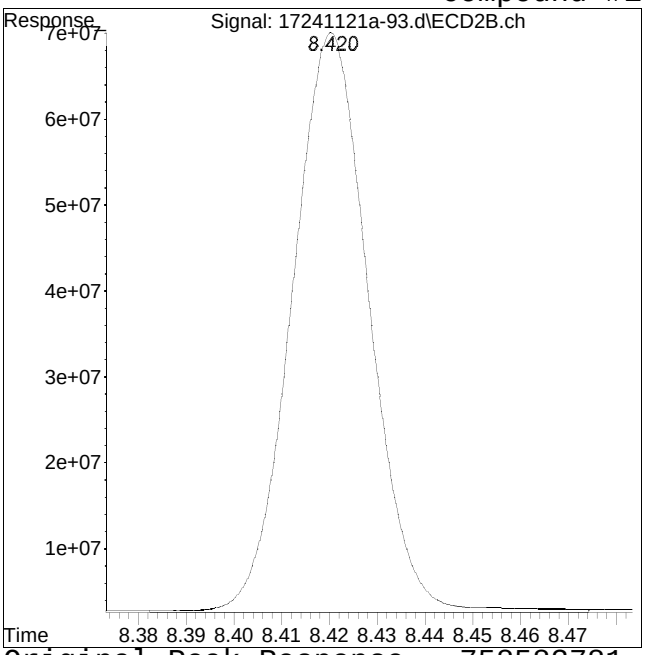


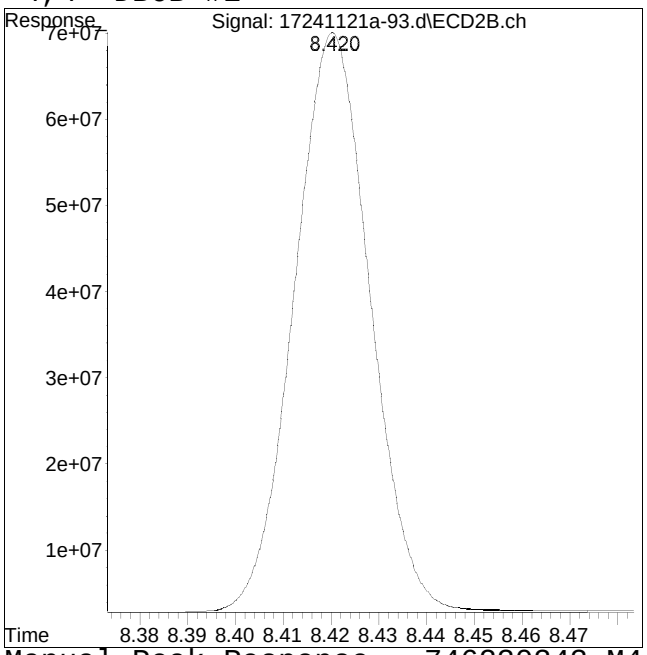
Original Peak Response = 742305066 Manual Peak Response = 734377239 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-93.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:42 pm Instrument : Pest 17
Sample : L2467934-10,42,, Quant Date : 11/25/2024 10:14 am

Compound #14: 4,4'-DBOB #2



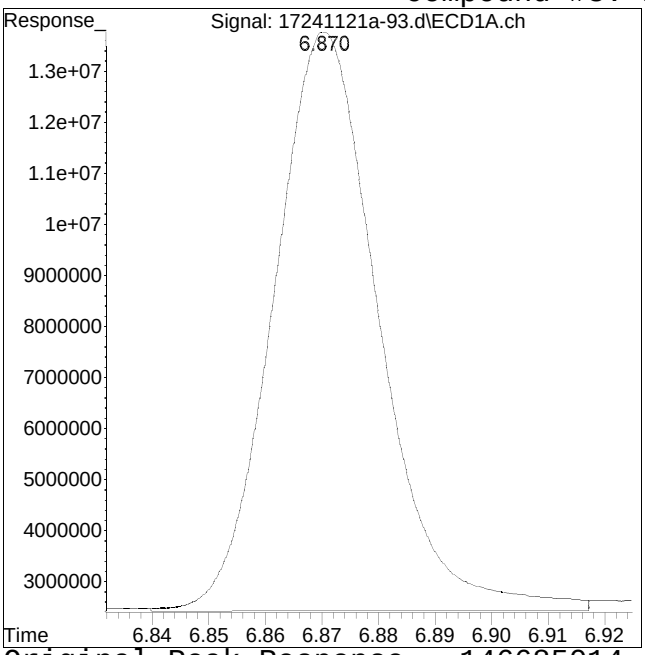


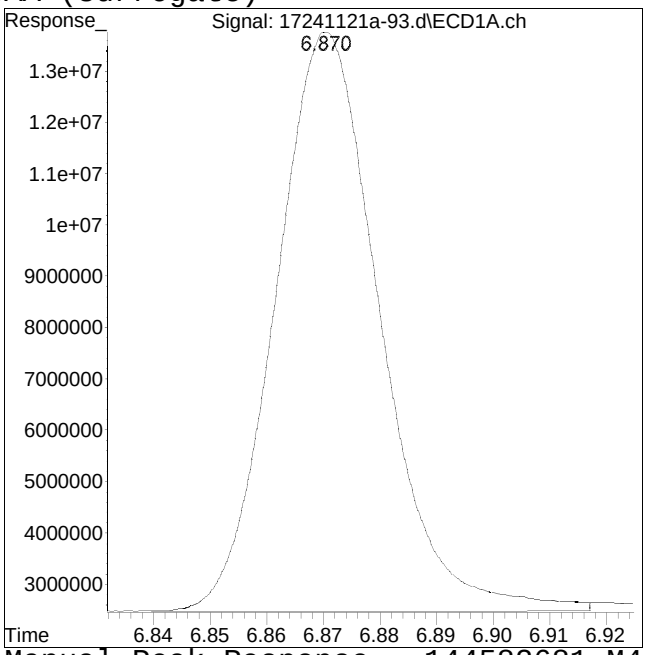
Original Peak Response = 758583781 Manual Peak Response = 746230343 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-93.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:42 pm Instrument : Pest 17
Sample : L2467934-10,42,, Quant Date : 11/25/2024 10:14 am

Compound #3: DCAA (surrogate)



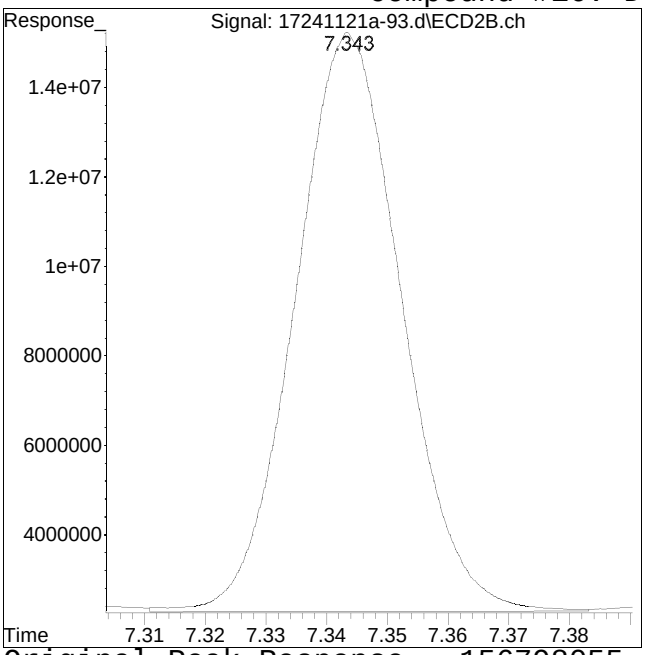


Original Peak Response = 146685014 Manual Peak Response = 144582681 M4
M4 = Poor automated baseline construction.

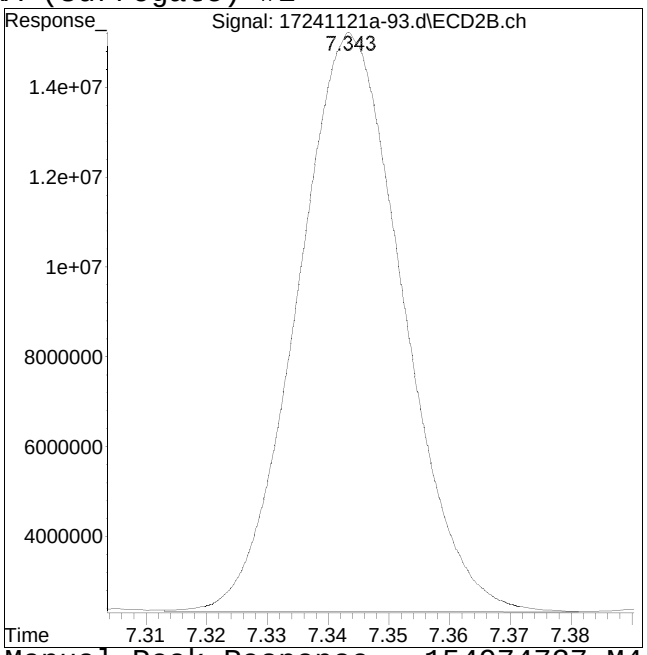
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-93.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 3:42 pm Instrument : Pest 17
Sample : L2467934-10,42,, Quant Date : 11/25/2024 10:14 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 156798055



Manual Peak Response = 154974737 M4

M4 = Poor automated baseline construction.

Herbicides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST17**	**Ical Ref**	**: ICAL21669**
Calibration dates	**: 11/04/24 05:40 11/04/24 10:11**		

Calibration Files
1 =17241104i-02.d 2 =17241104i-03.d 3 =17241104i-04.d 4 =17241104i-05.d 5 =17241104i-06.d
6 =17241104i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.237	0.226	0.201	0.191	0.184	0.190	*L	0.9995
3)	s	DCAA (surrogate)	0.216	0.199	0.183	0.171	0.158	0.155	0.180	13.25
4)	t	Dicamba	0.633	0.602	0.577	0.563	0.538	0.541	0.576	6.43
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	3.23
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	14.47
7)	t	Dichloroprop	0.207	0.196	0.180	0.167	0.155	0.152	0.176	12.55
8)	t	2,4-D	0.205	0.207	0.199	0.192	0.185	0.186	0.196	4.83
9)	t	2,4,5-TP (Silvex)	0.810	0.784	0.788	0.775	0.752	0.752	0.777	2.87
10)	t	2,4,5-T	0.709	0.727	0.750	0.711	0.710	0.722	0.721	2.18
11)	t	2,4-DB	0.071	0.067	0.074	0.082	0.095	0.096	0.081	15.18
12)	t	Dinoseb	0.689	0.585	0.599	0.579	0.518	0.521	0.582	10.76

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST17**	**Ical Ref**	**: ICAL21669**
Calibration dates	**: 11/04/24 05:40 11/04/24 10:11**		

Signal #2 Calibration Files

1 =17241104i-02.d 2 =17241104i-03.d 3 =17241104i-04.d 4 =17241104i-05.d 5 =17241104i-06.d
6 =17241104i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.257	0.231	0.204	0.195	0.181	0.185	*L	0.9995
3)	s	DCAA (surrogate)	0.234	0.214	0.195	0.181	0.169	0.167	0.193	13.81
4)	t	Dicamba	0.634	0.609	0.579	0.562	0.541	0.547	0.579	6.34
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2.15
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	14.80
7)	t	Dichloroprop	0.219	0.202	0.184	0.170	0.160	0.158	0.182	13.27
8)	t	2,4-D	0.279	0.248	0.231	0.215	0.204	0.205	0.230	12.70
9)	t	2,4,5-TP (Sil	0.911	0.871	0.848	0.811	0.785	0.807	0.839	5.58
10)	t	2,4,5-T	0.851	0.819	0.803	0.781	0.754	0.770	0.796	4.43
11)	t	2,4-DB	0.132	0.124	0.117	0.100	0.101	0.114	0.115	10.95
12)	t	Dinoseb	0.560	0.530	0.519	0.508	0.487	0.494	0.516	5.11

Response Factor Report Pest 17

Method Path : I:\PEST\Pest17\2024\241104ICAL\
Method File : Herb17_2024_11_04_ICAL.m
Title : herb
Last Update : Tue Nov 05 18:19:18 2024
Response Via : Initial Calibration

Calibration Files
1 =17241104i-02.d 2 =17241104i-03.d 3 =17241104i-04.d 4 =17241104i-05.d 5 =17241104i-06.d
6 =17241104i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.237	0.226	0.201	0.191	0.184	0.190	*L	0.9995
3)	s	DCAA (surrogate)	0.216	0.199	0.183	0.171	0.158	0.155	0.180	13.25
4)	t	Dicamba	0.633	0.602	0.577	0.563	0.538	0.541	0.576	6.43
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	3.23
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	14.47
7)	t	Dichloroprop	0.207	0.196	0.180	0.167	0.155	0.152	0.176	12.55
8)	t	2,4-D	0.205	0.207	0.199	0.192	0.185	0.186	0.196	4.83
9)	t	2,4,5-TP (Sil...	0.810	0.784	0.788	0.775	0.752	0.752	0.777	2.87
10)	t	2,4,5-T	0.709	0.727	0.750	0.711	0.710	0.722	0.721	2.18
11)	t	2,4-DB	0.071	0.067	0.074	0.082	0.095	0.096	0.081	15.18
12)	t	Dinoseb	0.689	0.585	0.599	0.579	0.518	0.521	0.582	10.76

Signal #2 Calibration Files
1 =17241104i-02.d 2 =17241104i-03.d 3 =17241104i-04.d 4 =17241104i-05.d 5 =17241104i-06.d
6 =17241104i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.257	0.231	0.204	0.195	0.181	0.185	*L	0.9995
3)	s	DCAA (surrogate)	0.234	0.214	0.195	0.181	0.169	0.167	0.193	13.81
4)	t	Dicamba	0.634	0.609	0.579	0.562	0.541	0.547	0.579	6.34
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2.15
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	14.80
7)	t	Dichloroprop	0.219	0.202	0.184	0.170	0.160	0.158	0.182	13.27
8)	t	2,4-D	0.279	0.248	0.231	0.215	0.204	0.205	0.230	12.70
9)	t	2,4,5-TP (Sil...	0.911	0.871	0.848	0.811	0.785	0.807	0.839	5.58
10)	t	2,4,5-T	0.851	0.819	0.803	0.781	0.754	0.770	0.796	4.43
11)	t	2,4-DB	0.132	0.124	0.117	0.100	0.101	0.114	0.115	10.95

Method Path : I:\PEST\Pest17\2024\241104ICAL\
Method File : Herb17_2024_11_04_ICAL.m
Title : herb
Last Update : Tue Nov 05 18:19:18 2024
Response Via : Initial Calibration

Calibration Files
1 =17241104i-02.d 2 =17241104i-03.d 3 =17241104i-04.d 4 =17241104i-05.d 5 =17241104i-06.d
6 =17241104i-07.d

	Compound	1	2	3	4	5	6	Avg	%RSD
12) t	Dinoseb	0.560	0.530	0.519	0.508	0.487	0.494	0.516	5.11

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:40
Operator : PEST17:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : wg1993691,,ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 18:11:31 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 17:54:17 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	8.461	8.448	668.4E6	690.1E6	0.250M4	0.250M4
	System Monitoring Compounds						
3) s	DCAA (surrog	6.899	7.369	27157631	30385080	0.059	0.059
	Spiked Amount	0.500	Range 30 - 150		Recovery =	11.80%#	11.80%#
	Target Compounds						
2) t	Dalapon	1.911	1.924	28787121	32223757	0.054	0.059
4) t	Dicamba	7.084	7.550	79604328	82286557	0.053	0.053
5) t	MCPP	7.290	7.664	7611844	8527362	4.707	4.637
6) t	MCPA	7.436	7.891	15325672	17782247	5.789M4	5.949
7) t	Dichloroprop	7.794	8.210	25968413	28358705	0.057	0.059
8) t	2,4-D	8.004	8.486	25745437	36186257	0.050	0.059M4
9) t	2,4,5-TP (Si	8.732	9.148	102.8E6	119.4E6	0.050	0.052M3
10) t	2,4,5-T	8.951	9.438	90001314	111.5E6	0.047M3	0.051
11) t	2,4-DB	9.370	9.802	9137812	17543388	0.041M4	0.057
12) t	Dinoseb	10.120	10.025	87508497	73391200	0.058M4	0.052
	SemiQuant Compounds - Not Calibrated on this Instrument						

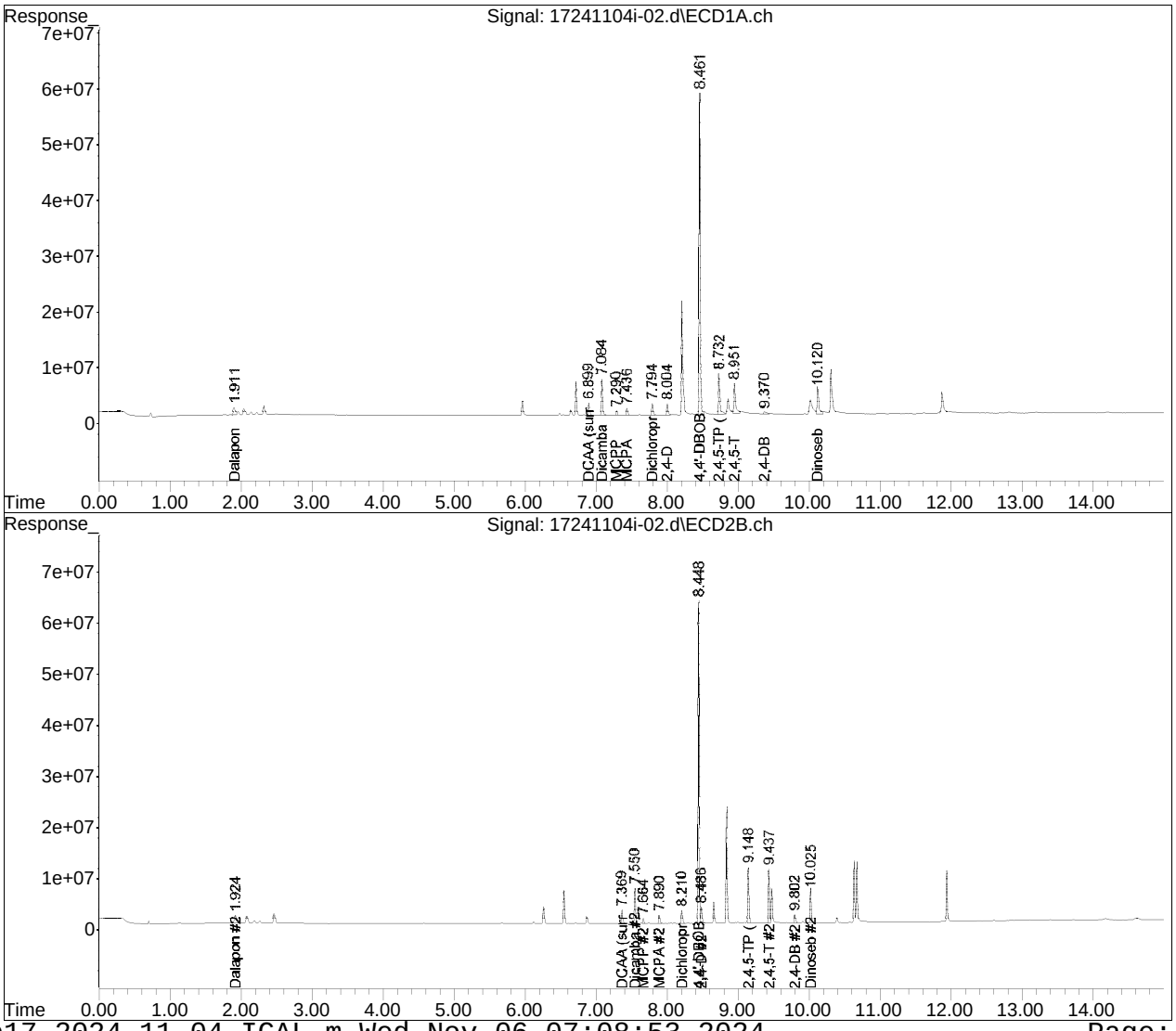
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:40
Operator : PEST17:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : wg1993691,,ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 18:11:31 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 17:54:17 2024
Response via : Initial Calibration
Integrator: ChemStation

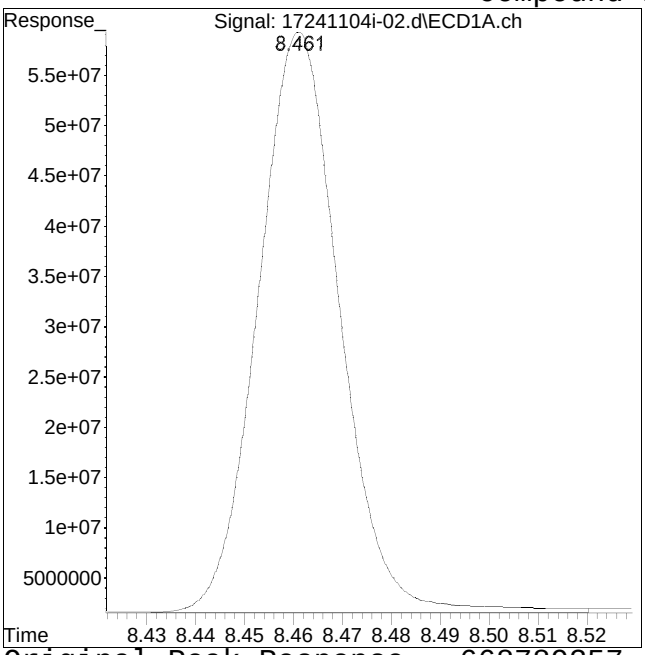
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



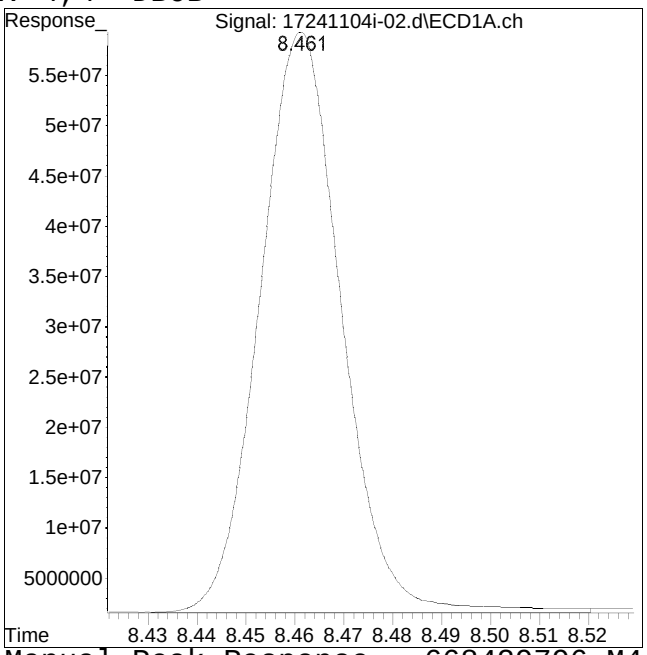
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-02.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:40 Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 11/5/2024 6:11 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 668789357



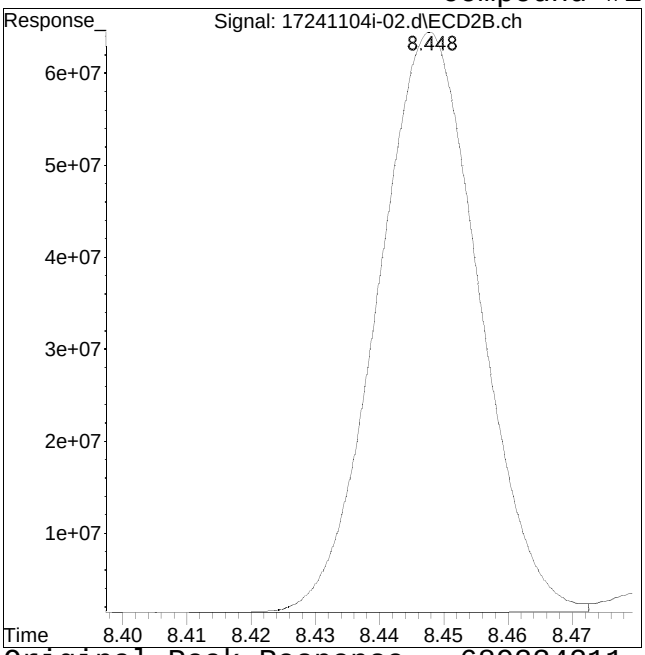
Manual Peak Response = 668429796 M4

M4 = Poor automated baseline construction.

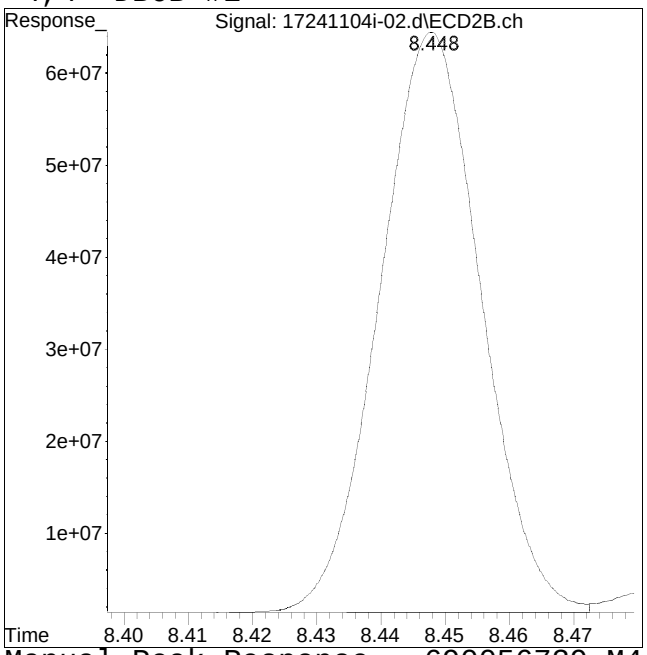
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-02.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:40 Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 11/5/2024 6:11 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 689334211

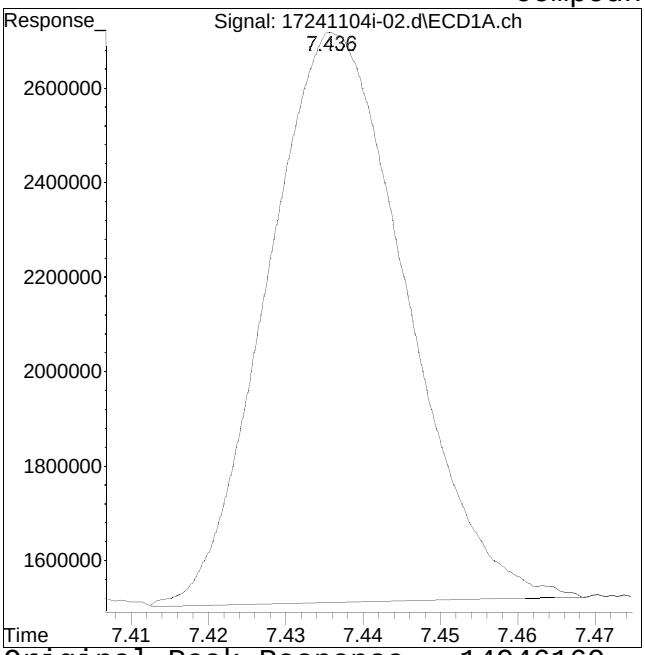


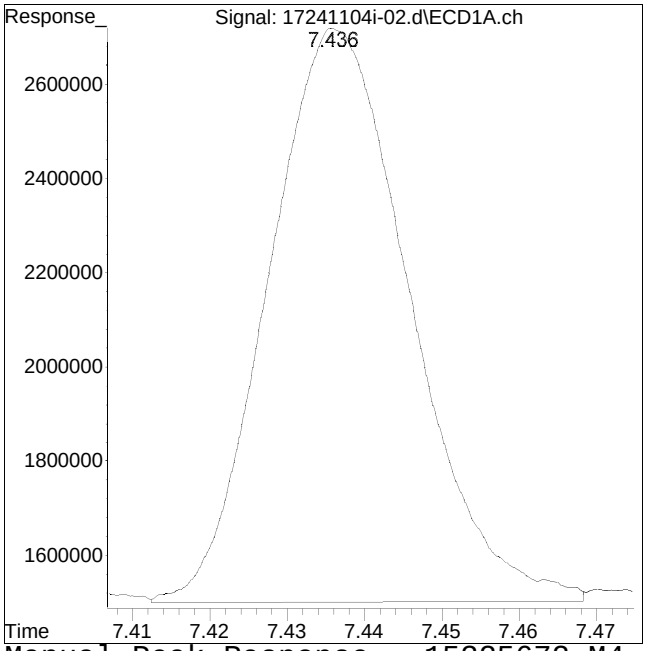
Manual Peak Response = 690056739 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-02.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:40 Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 11/5/2024 6:11 pm

Compound #6: MCPA



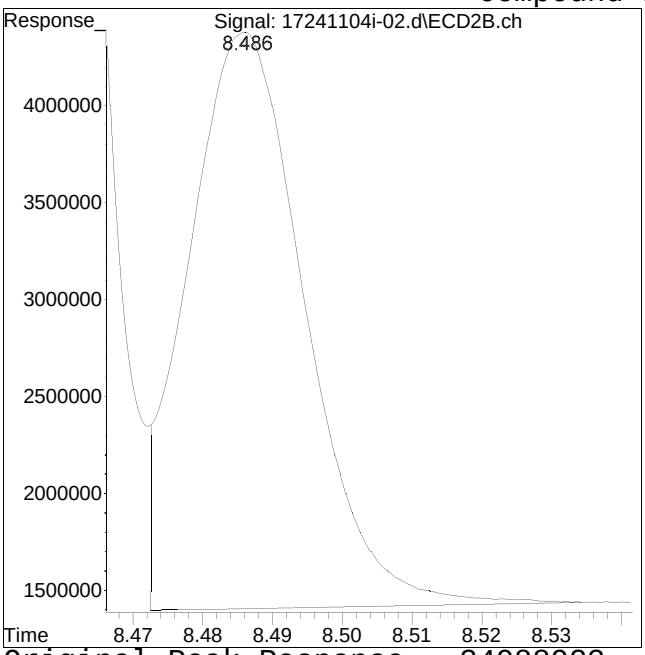


Original Peak Response = 14946160 Manual Peak Response = 15325672 M4
M4 = Poor automated baseline construction.

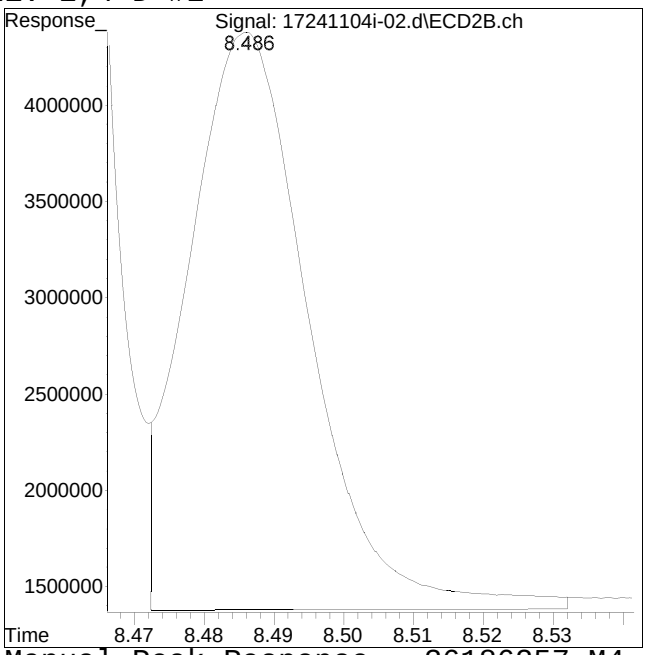
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-02.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:40 Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 11/5/2024 6:11 pm

Compound #21: 2,4-D #2



Original Peak Response = 34988923



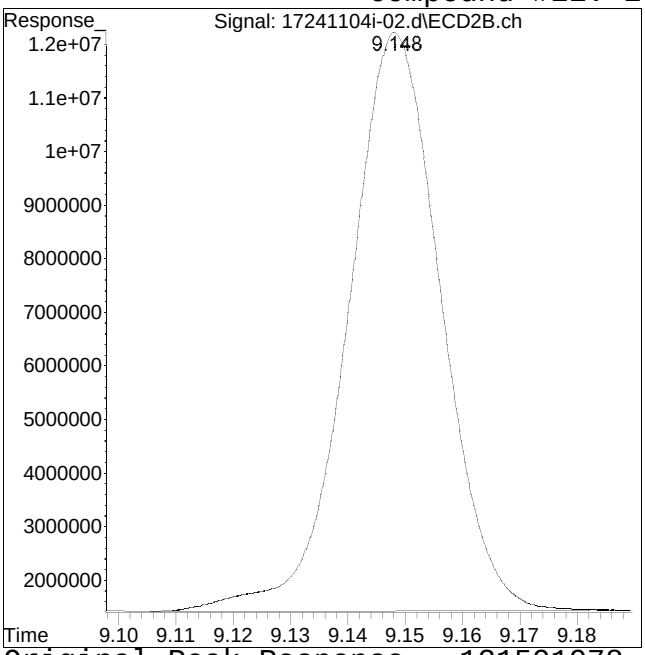
Manual Peak Response = 36186257 M4

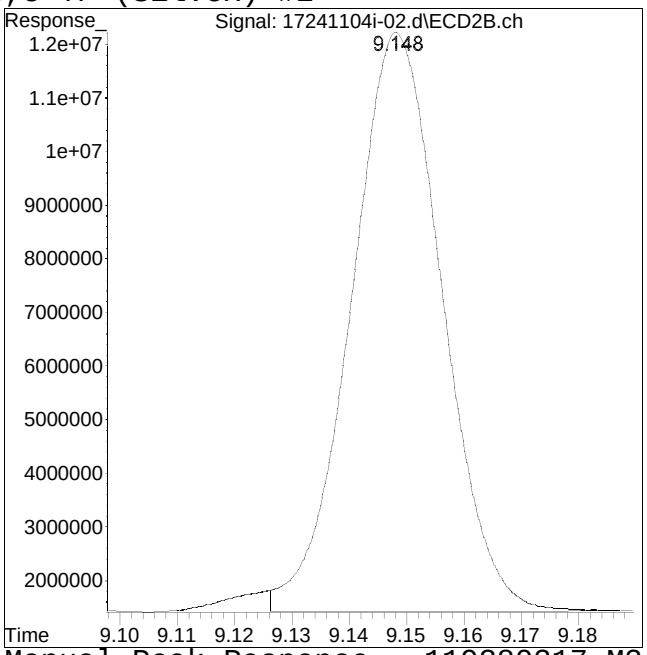
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-02.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:40 Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 11/5/2024 6:11 pm

Compound #22: 2,4,5-TP (Silvex) #2



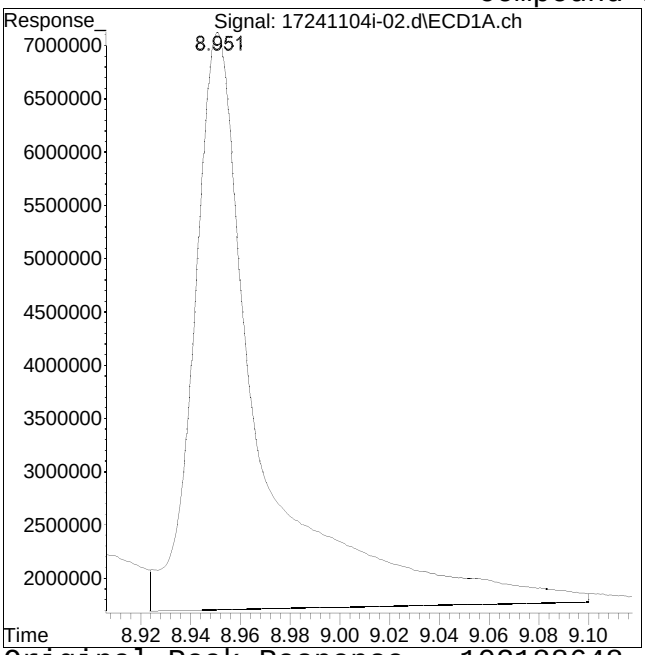


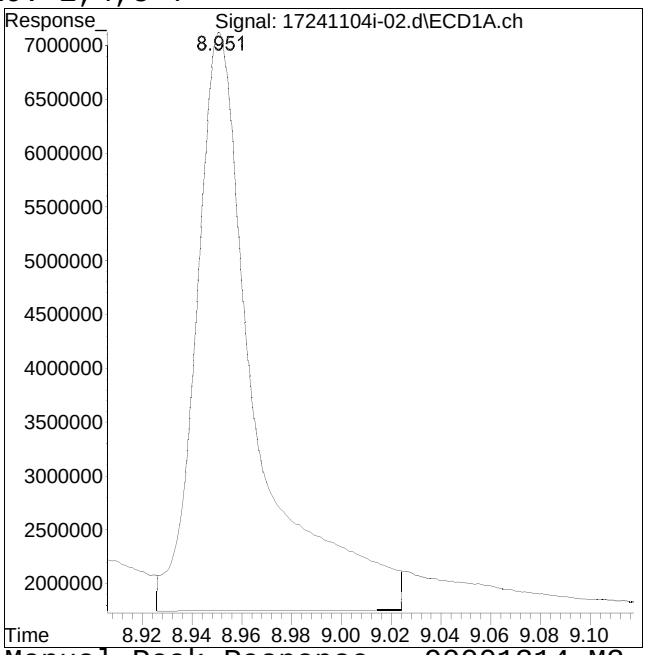
Original Peak Response = 121591978 Manual Peak Response = 119380317 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-02.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:40 Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 11/5/2024 6:11 pm

Compound #10: 2,4,5-T



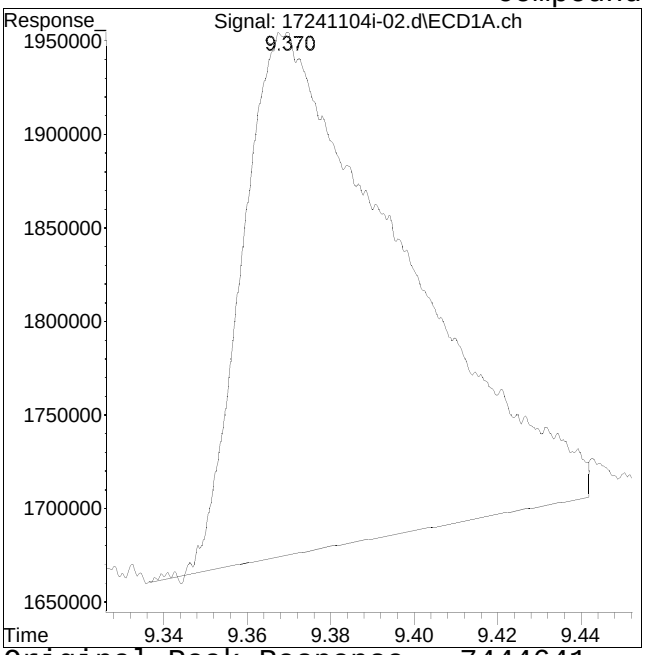


Original Peak Response = 102188648 Manual Peak Response = 90001314 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

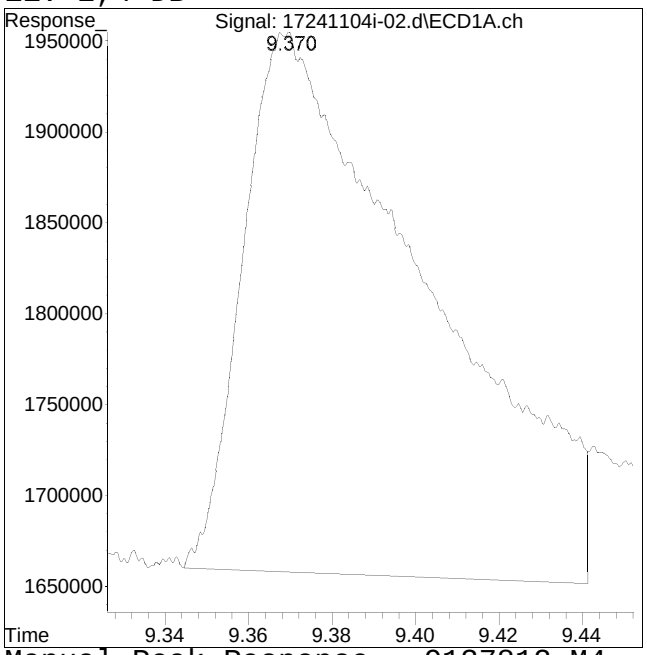
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-02.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:40 Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 11/5/2024 6:11 pm

Compound #11: 2,4-DB



Original Peak Response = 7444641



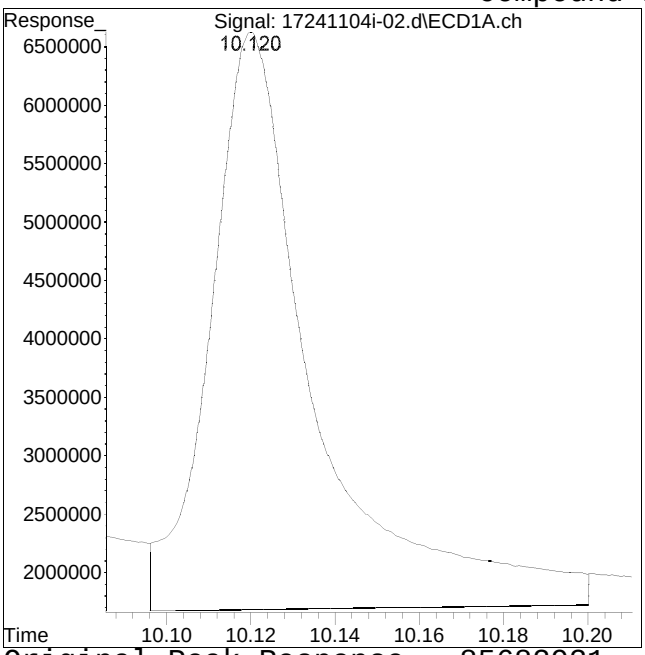
Manual Peak Response = 9137812 M4

M4 = Poor automated baseline construction.

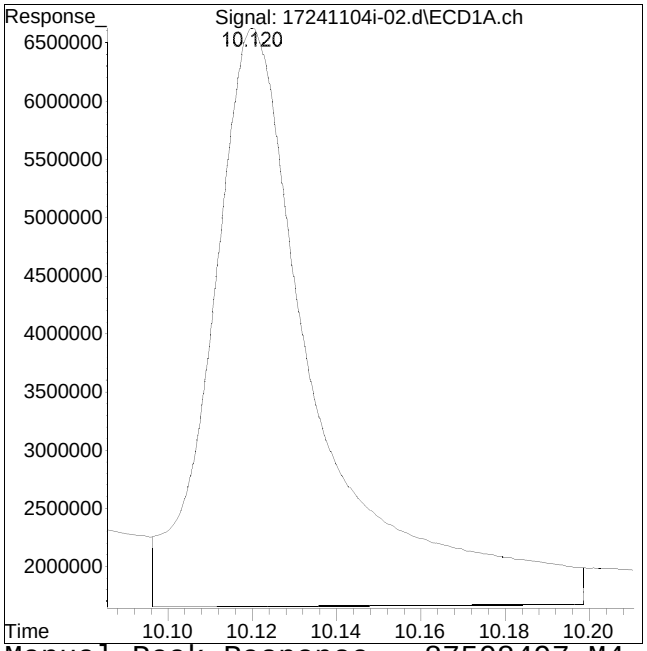
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-02.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:40 Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 11/5/2024 6:11 pm

Compound #12: Dinoseb



Original Peak Response = 85682931



Manual Peak Response = 87508497 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:58
Operator : PEST17:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : wg1993691,,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: Nov 05 17:45:37 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 16:12:50 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	8.459	8.447	654.4E6	672.8E6	0.250M4	0.250M4
	System Monitoring Compounds						
3) s	DCAA (surrog	6.897	7.368	49034374	54204581	0.112	0.113
	Spiked Amount	0.500	Range 30 - 150		Recovery =	22.40%#	22.60%#
	Target Compounds						
2) t	Dalapon	1.919	1.932	53809344	56626844	0.107	0.110M3
4) t	Dicamba	7.082	7.550	148.1E6	154.2E6	0.102	0.103
5) t	MCPP	7.288	7.663	15513678	17226929	9.903	9.660M4
6) t	MCPA	7.434	7.889	28189223	31729227	11.357M4	11.372M4
7) t	Dichloroprop	7.792	8.209	48255205	51003063	0.113	0.113
8) t	2,4-D	8.002	8.485	50964579	62816224	0.102M4	0.109M3
9) t	2,4,5-TP (Si	8.730	9.148	194.9E6	222.6E6	0.097	0.102M3
10) t	2,4,5-T	8.949	9.437	180.7E6	209.5E6	0.095M4	0.100
11) t	2,4-DB	9.366	9.801	16905577	32117652	0.074M4	0.110
12) t	Dinoseb	10.119	10.024	145.4E6	135.4E6	0.100M3	0.100M4

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.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:58
Operator : PEST17:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : wg1993691,,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: Nov 05 17:45:37 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 16:12:50 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

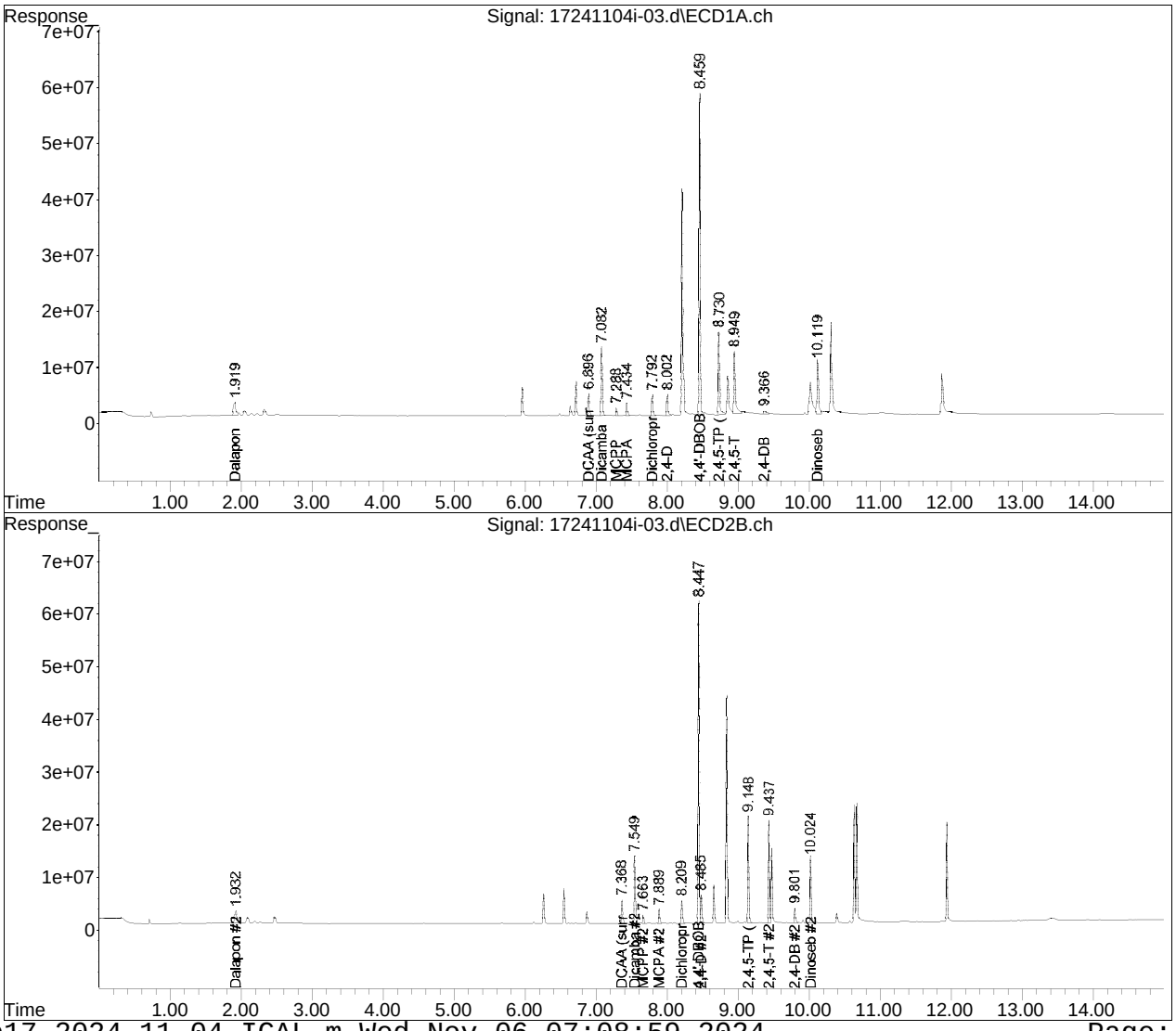
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:58
Operator : PEST17:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : wg1993691,,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: Nov 05 17:45:37 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 16:12:50 2024
Response via : Initial Calibration
Integrator: ChemStation

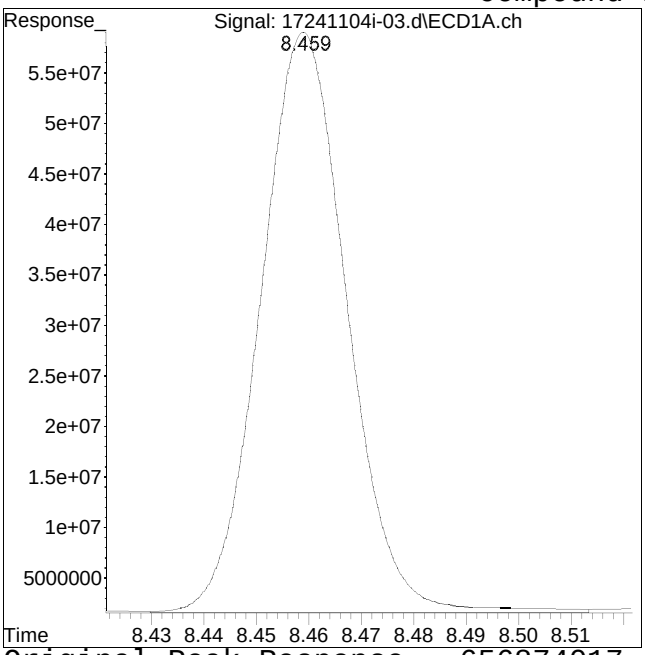
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

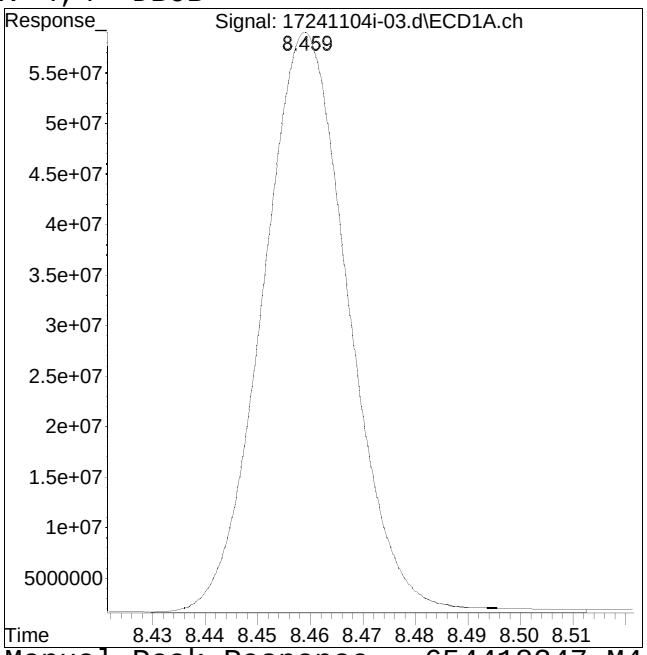


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #1: 4,4'-DBOB



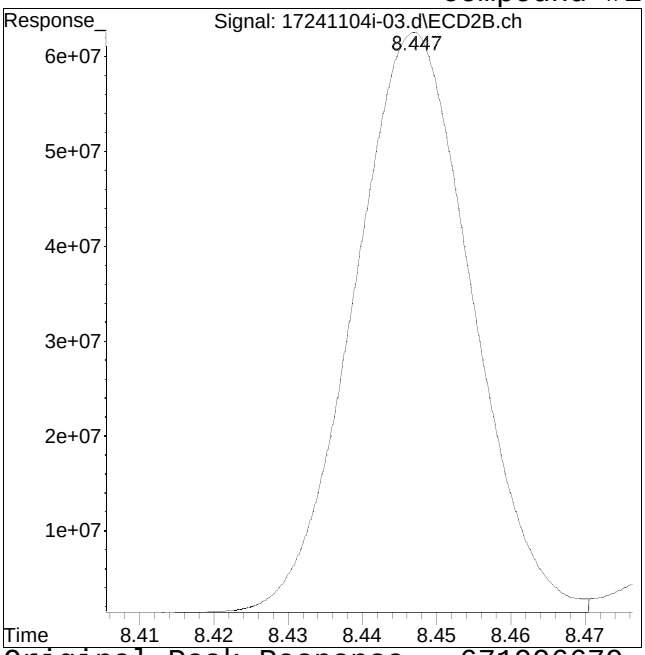


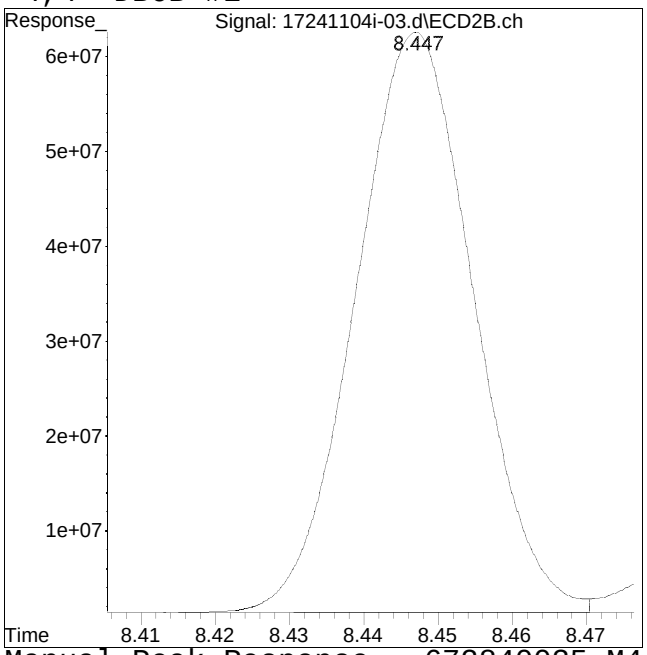
Original Peak Response = 656874017 Manual Peak Response = 654418247 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #14: 4,4'-DBOB #2



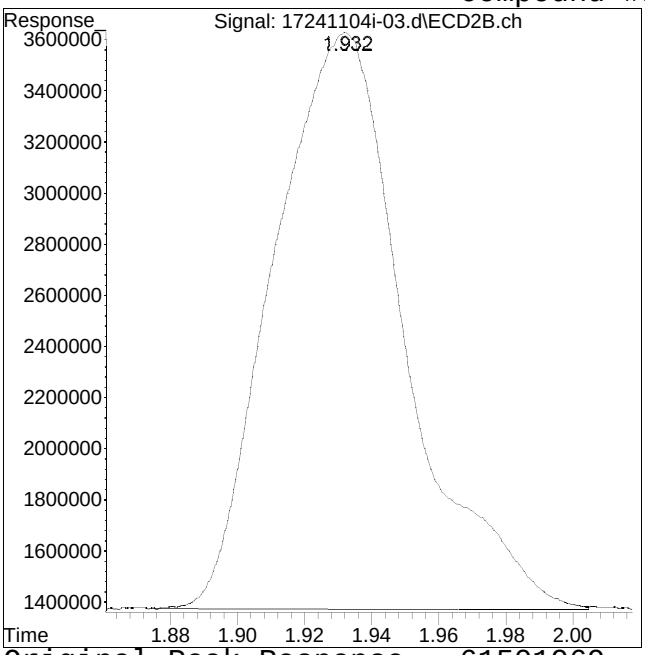


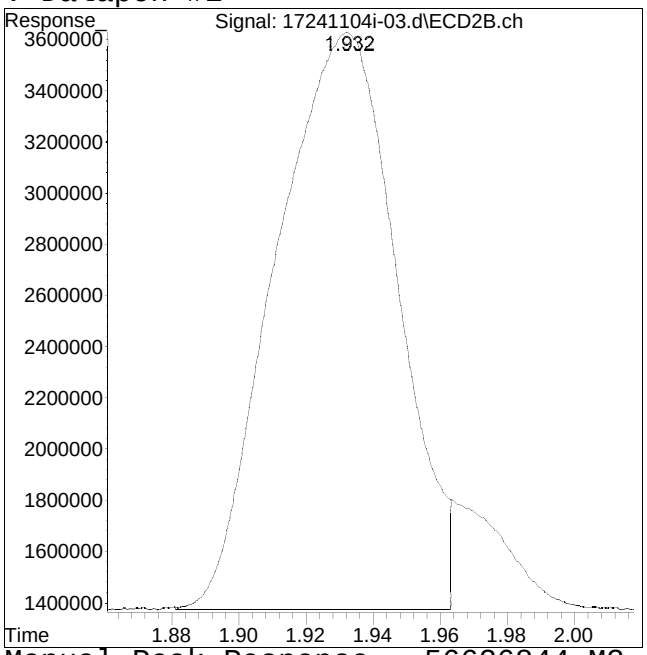
Original Peak Response = 671996679 Manual Peak Response = 672840035 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #15: Dalapon #2



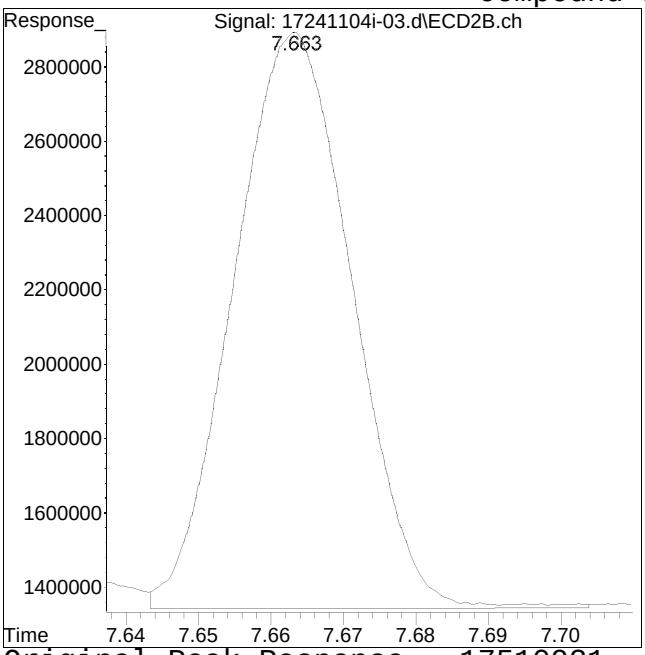


Original Peak Response = 61501969 Manual Peak Response = 56626844 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

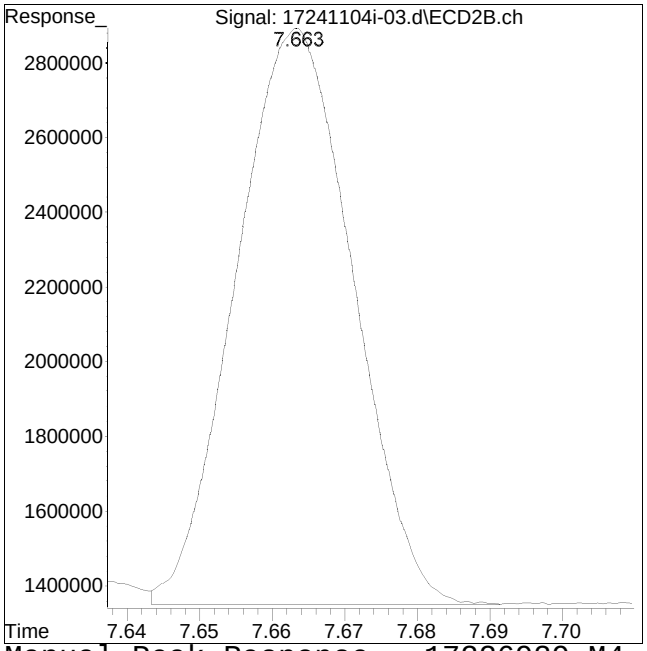
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #18: MCPP #2



Original Peak Response = 17510931



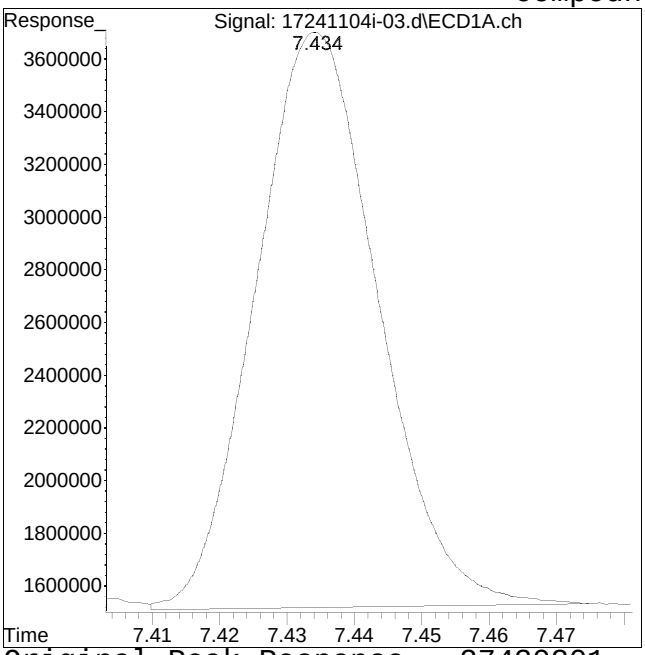
Manual Peak Response = 17226929 M4

M4 = Poor automated baseline construction.

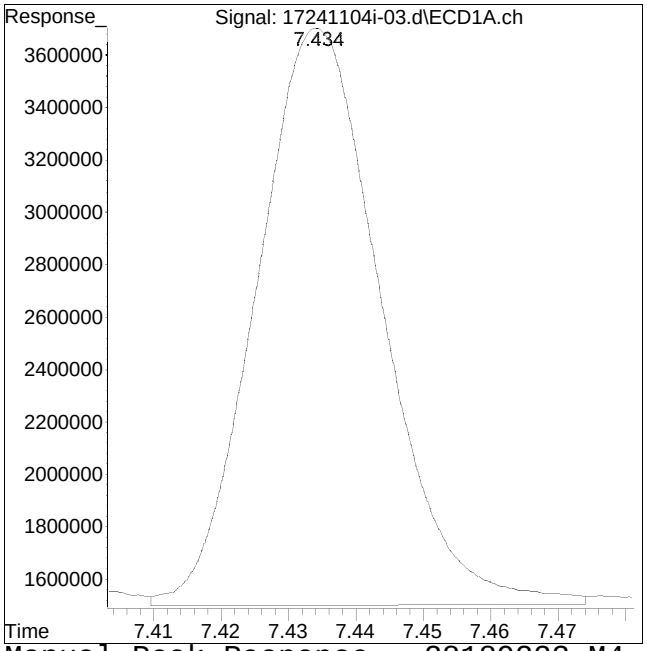
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #6: MCPA



Original Peak Response = 27430201



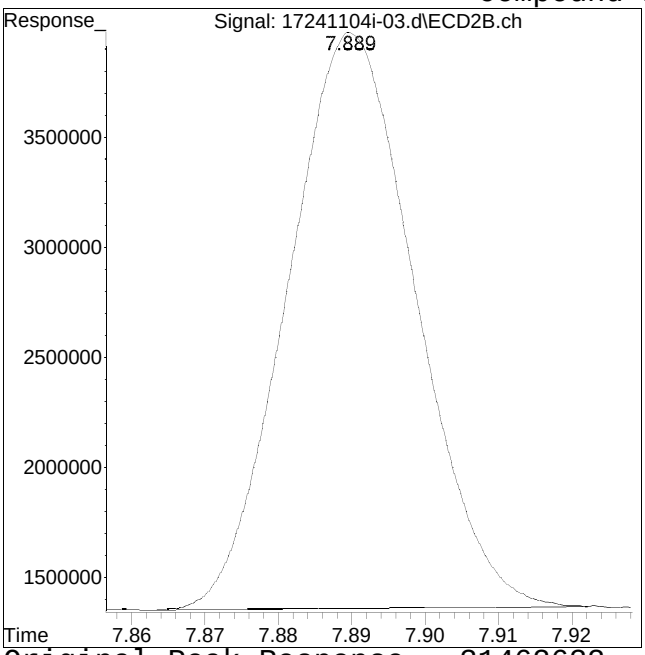
Manual Peak Response = 28189223 M4

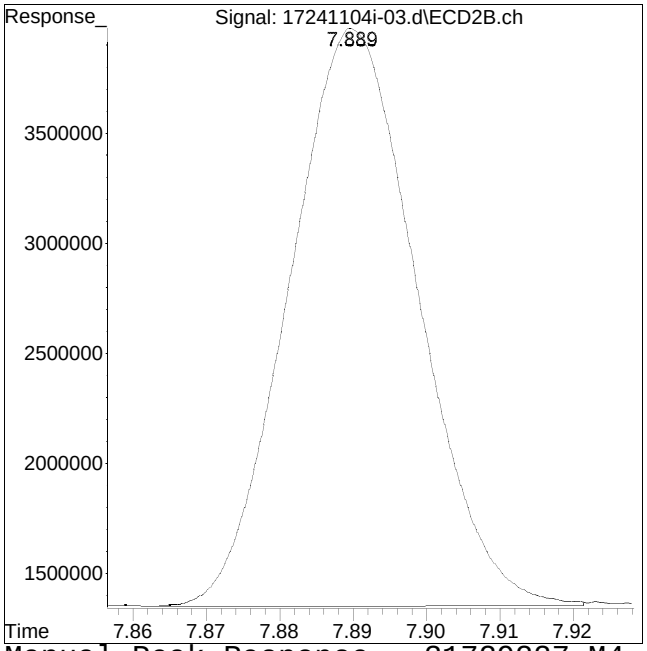
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #19: MCPA #2



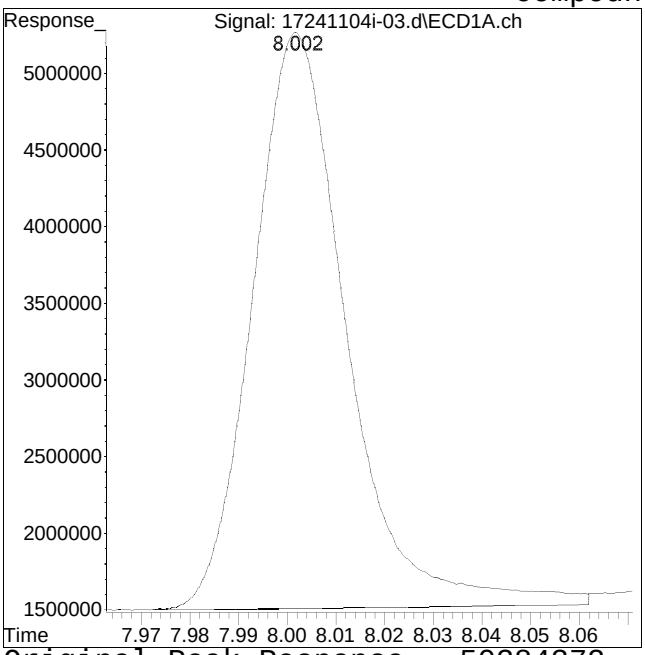


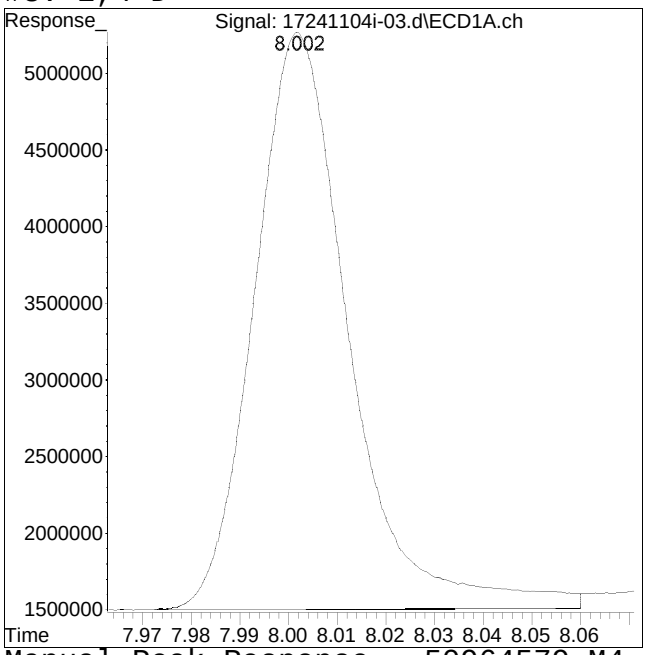
Original Peak Response = 31462632 Manual Peak Response = 31729227 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #8: 2,4-D



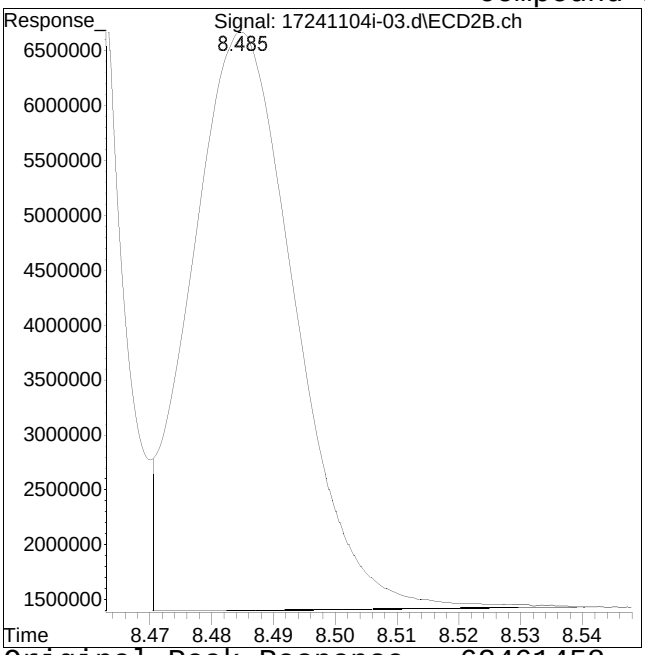


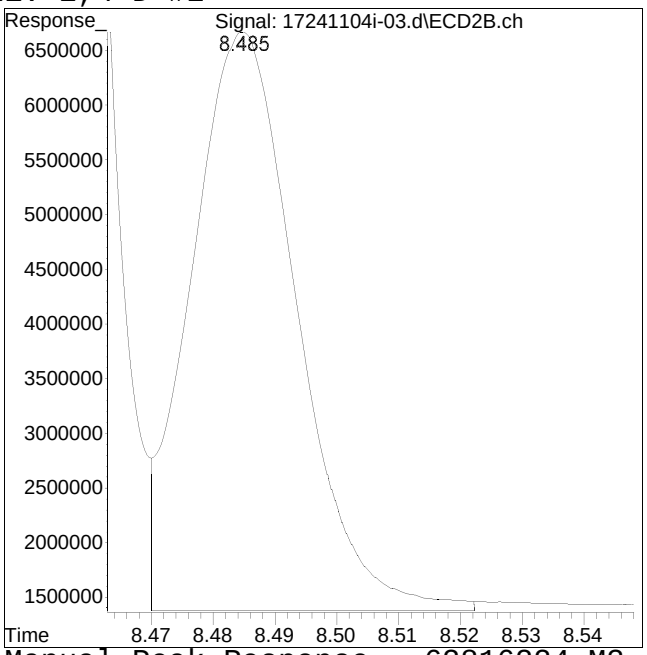
Original Peak Response = 50384372 Manual Peak Response = 50964579 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #21: 2,4-D #2



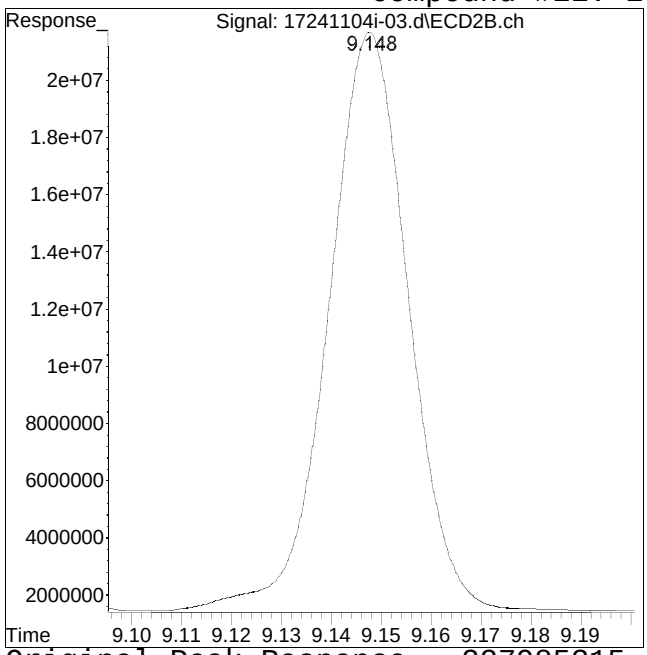


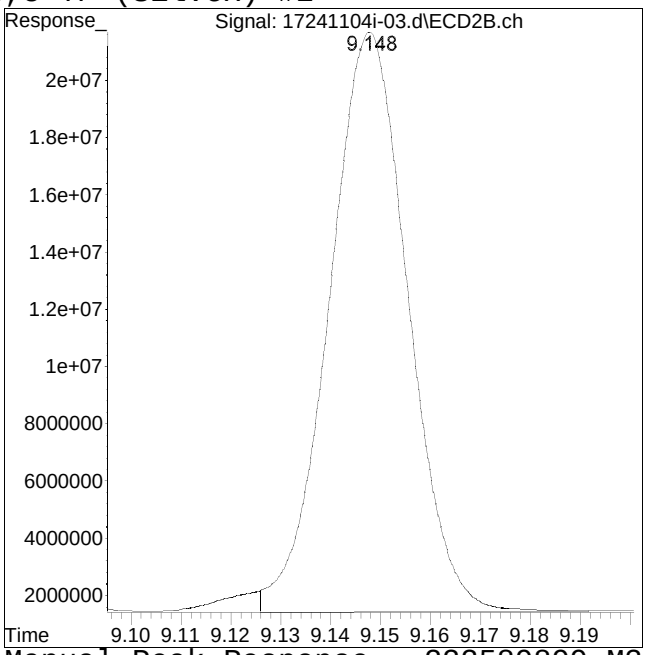
Original Peak Response = 62461458 Manual Peak Response = 62816224 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #22: 2,4,5-TP (Silvex) #2



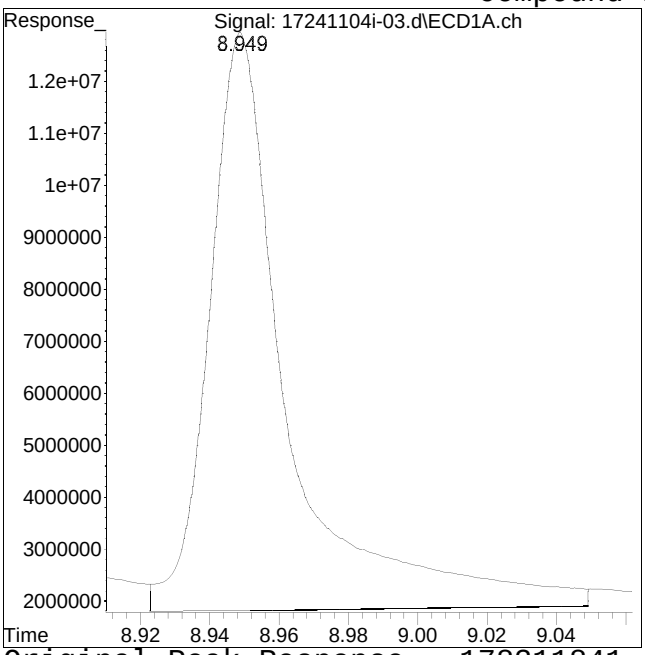


Original Peak Response = 227985315 Manual Peak Response = 222589899 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

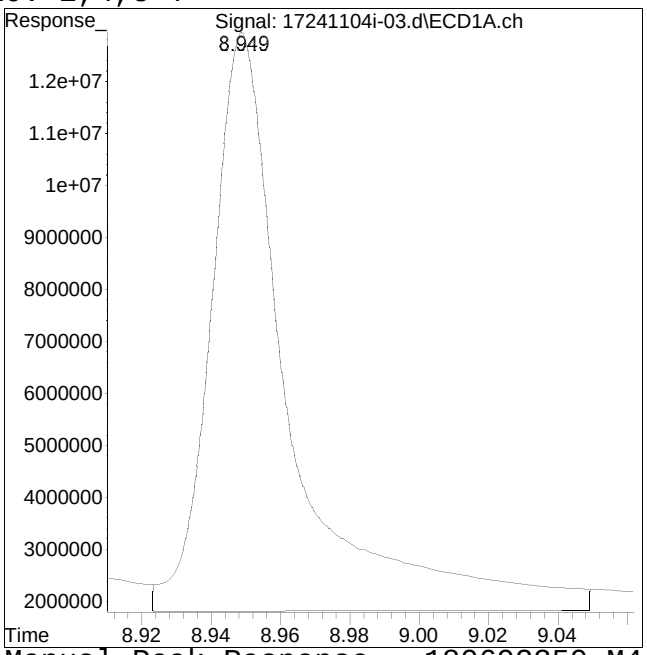
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #10: 2,4,5-T



Original Peak Response = 178311841



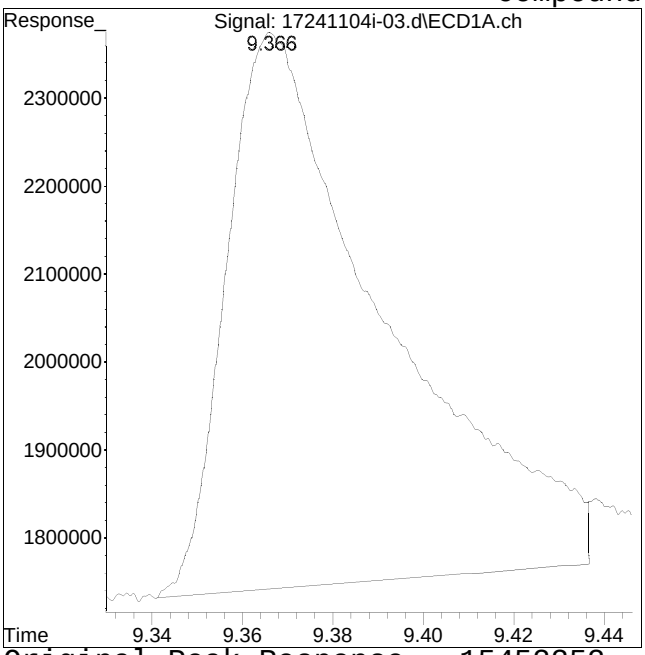
Manual Peak Response = 180692350 M4

M4 = Poor automated baseline construction.

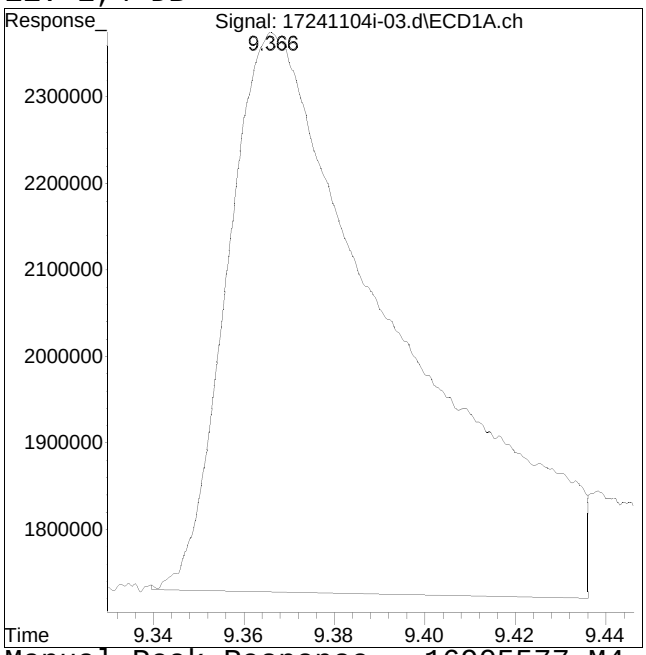
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #11: 2,4-DB



Original Peak Response = 15452252



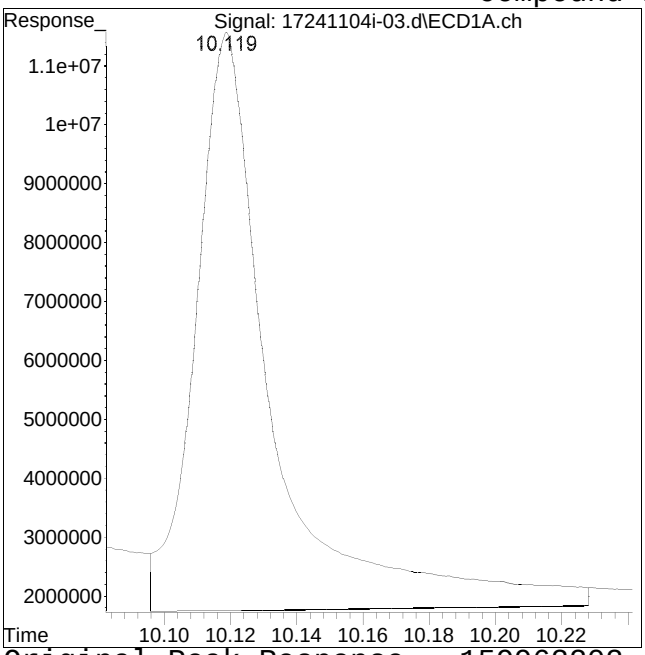
Manual Peak Response = 16905577 M4

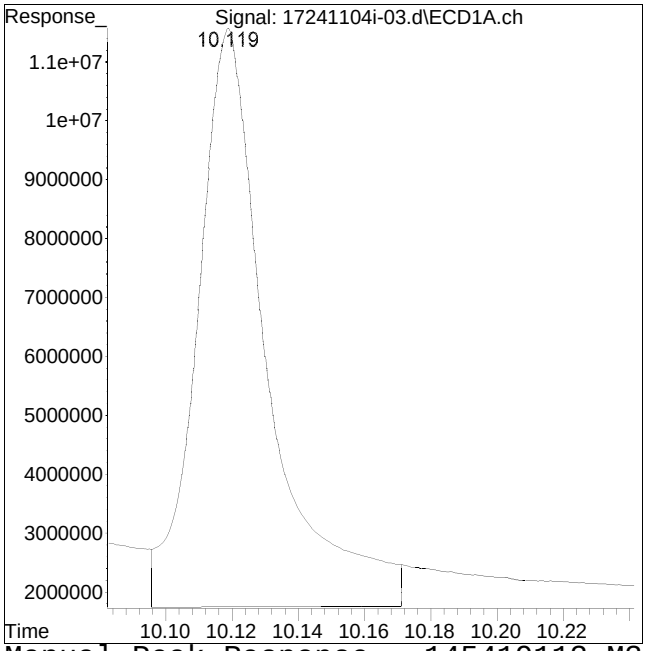
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #12: Dinoseb



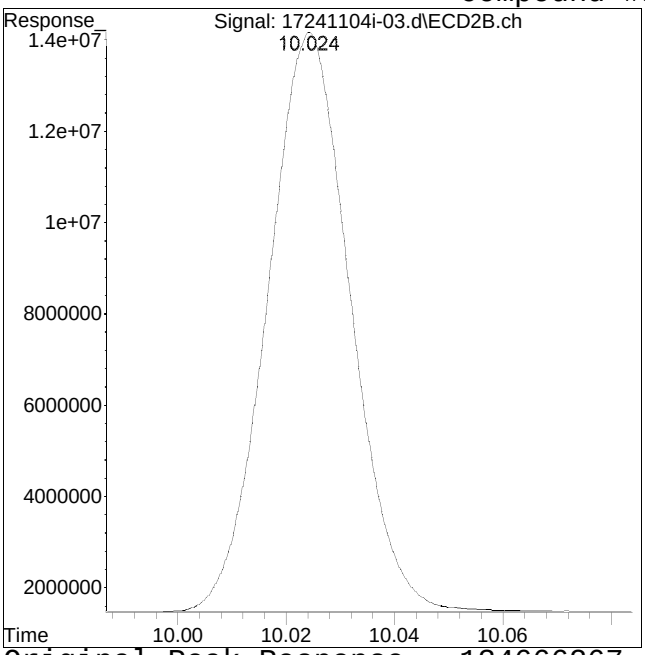


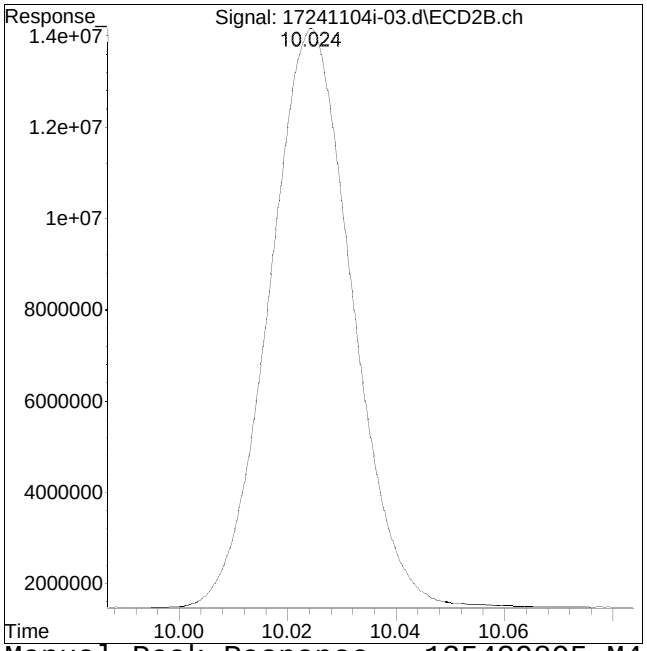
Original Peak Response = 159962202 Manual Peak Response = 145419113 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-03.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 5:58 Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 11/5/2024 5:45 pm

Compound #25: Dinoseb #2





Original Peak Response = 134666267 Manual Peak Response = 135439895 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:16
Operator : PEST17:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : wg1993691,,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: Nov 05 15:28:34 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 15:28:24 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	8.457	8.446	671.9E6	684.9E6	0.250M4	0.250M4
	System Monitoring Compounds						
3) s	DCAA (surrog	6.895	7.367	92508288	100.7E6	NoCal	NoCal
	Spiked Amount	0.500	Range	30 - 150	Recovery =	0.00%#	0.00%#
	Target Compounds						
2) t	Dalapon	1.911	1.923	98414957	101.6E6	NoCal M4	NoCal M3
4) t	Dicamba	7.080	7.548	291.6E6	298.3E6	NoCal M4	NoCal
5) t	MCPP	7.286	7.662	31477219	34944423	NoCal M3	NoCal
6) t	MCPA	7.433	7.889	53737098	58874216	NoCal	NoCal
7) t	Dichloroprop	7.790	8.208	90754224	94852680	NoCal	NoCal
8) t	2,4-D	8.000	8.483	100.4E6	119.1E6	NoCal M4	NoCal M4
9) t	2,4,5-TP (Si	8.729	9.146	402.5E6	441.2E6	NoCal	NoCal M3
10) t	2,4,5-T	8.947	9.436	382.9E6	417.9E6	NoCal	NoCal
11) t	2,4-DB	9.363	9.800	38224921	61316376	NoCal M4	NoCal
12) t	Dinoseb	10.116	10.023	305.7E6	270.1E6	NoCal M3	NoCal

SemiQuant Compounds - Not Calibrated on this Instrument

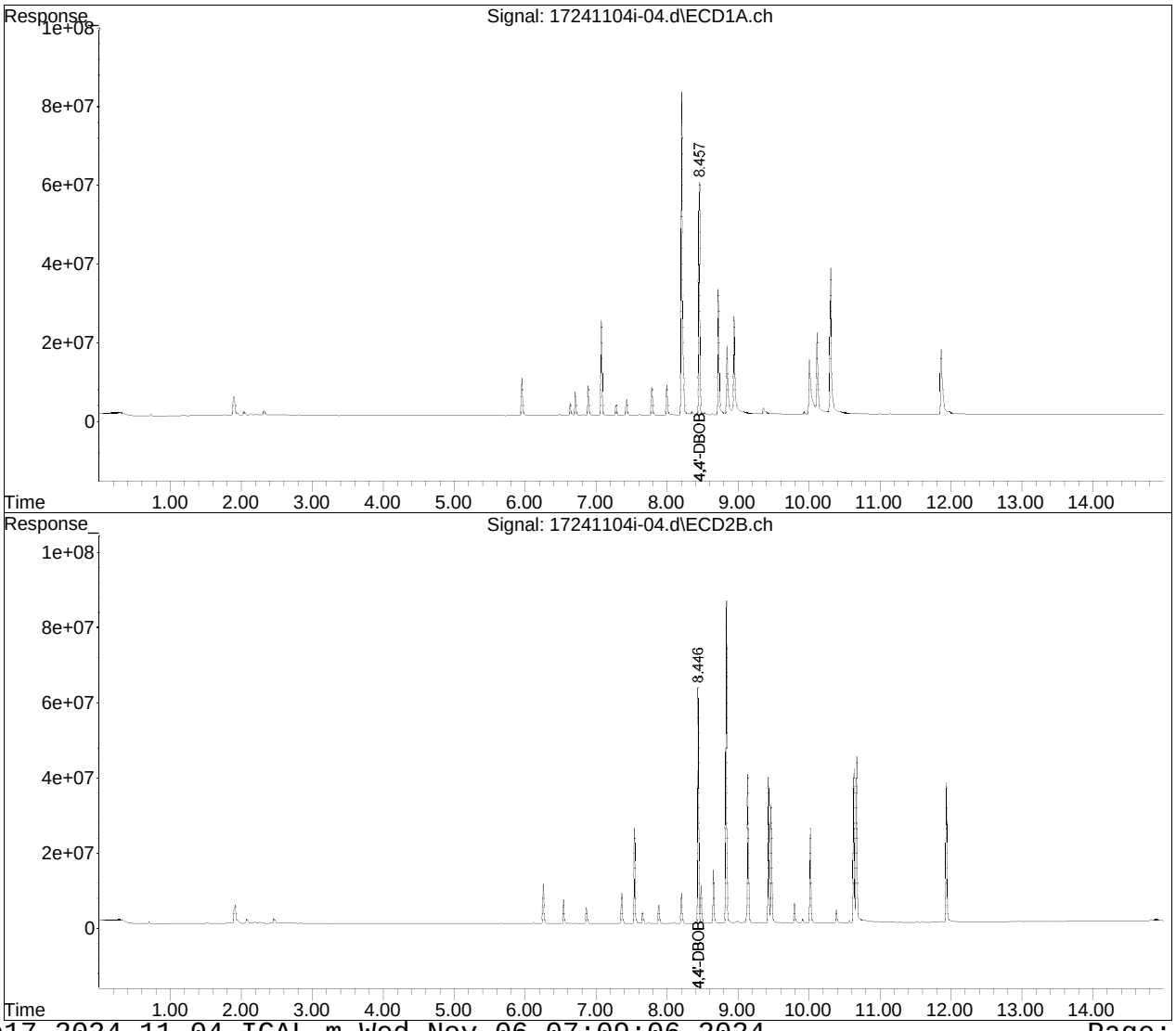
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:16
Operator : PEST17:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : wg1993691,,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: Nov 05 15:28:34 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 15:28:24 2024
Response via : Initial Calibration
Integrator: ChemStation

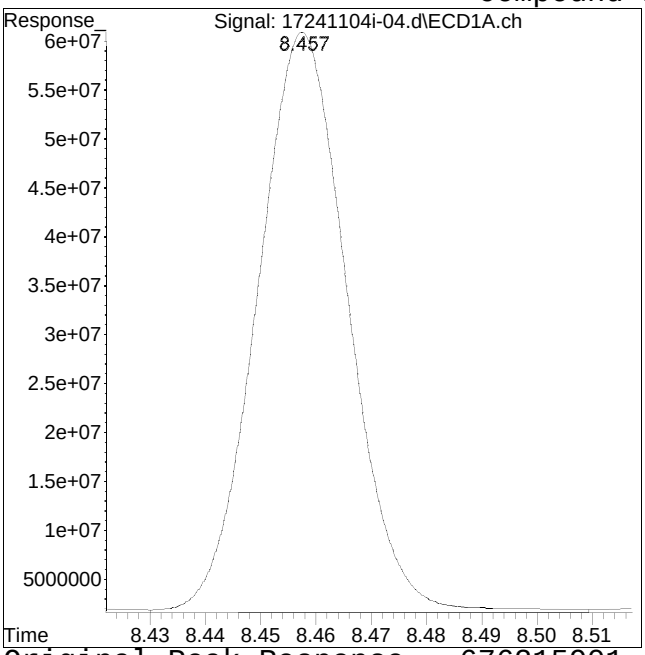
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

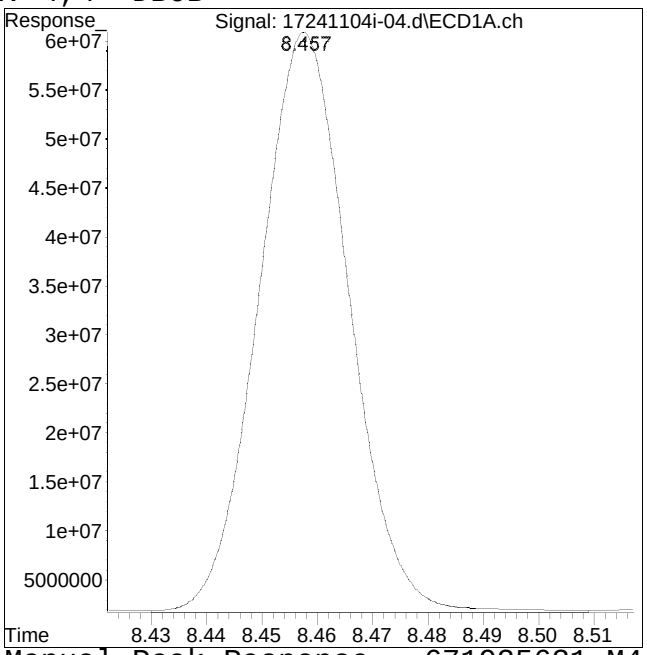


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #1: 4,4'-DBOB



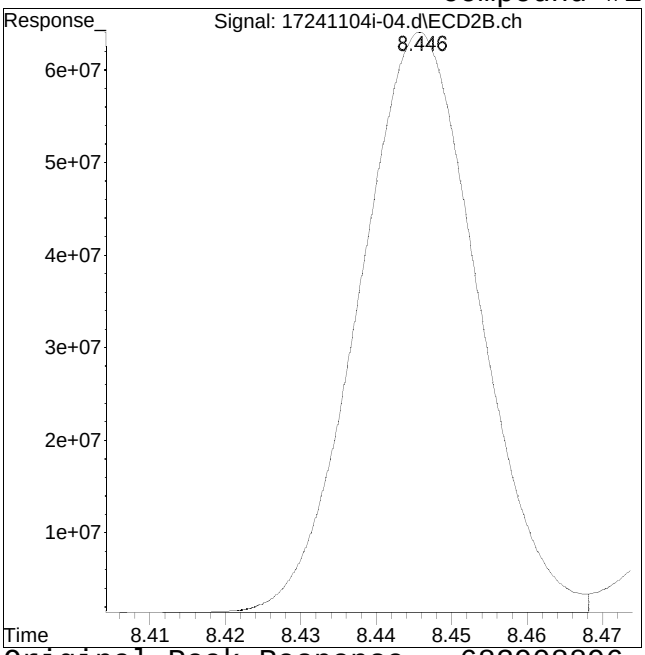


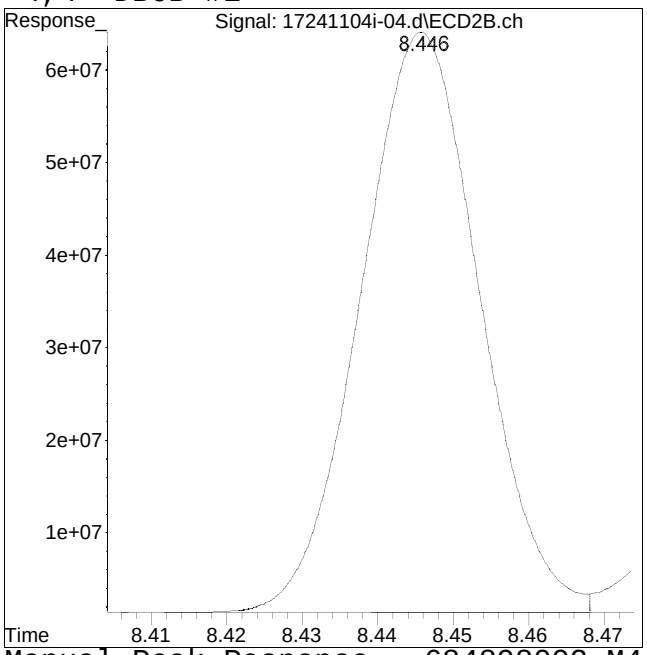
Original Peak Response = 676215901 Manual Peak Response = 671925631 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #14: 4,4'-DBOB #2



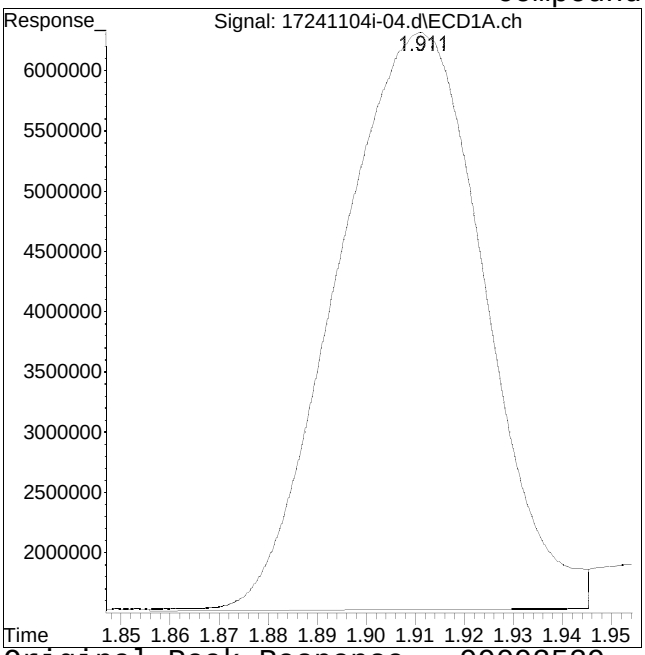


Original Peak Response = 683908896 Manual Peak Response = 684898092 M4
M4 = Poor automated baseline construction.

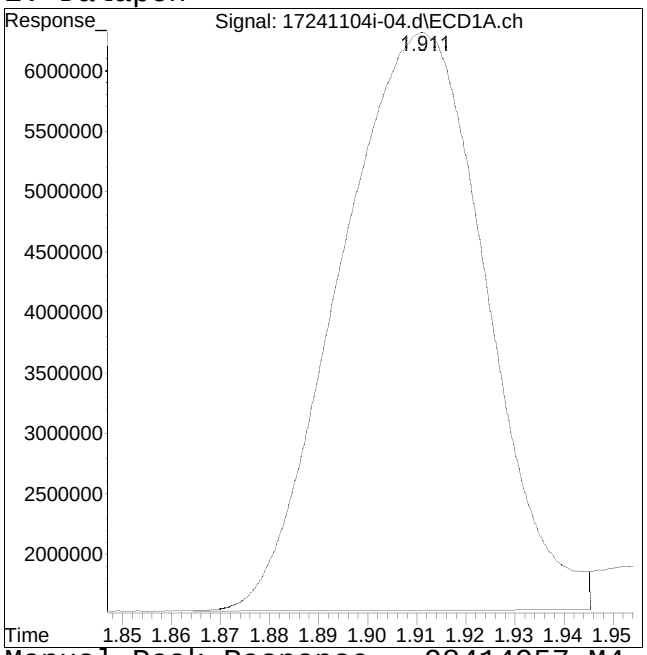
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #2: Dalapon



Original Peak Response = 99093539



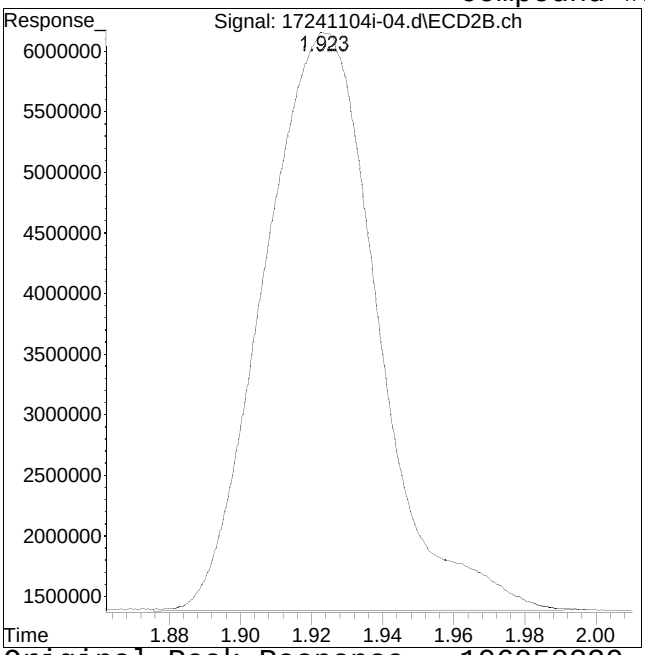
Manual Peak Response = 98414957 M4

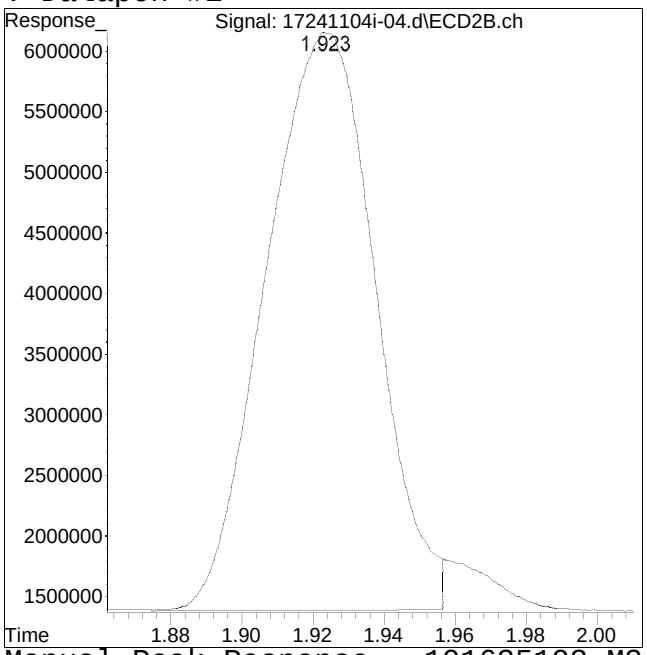
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #15: Dalapon #2



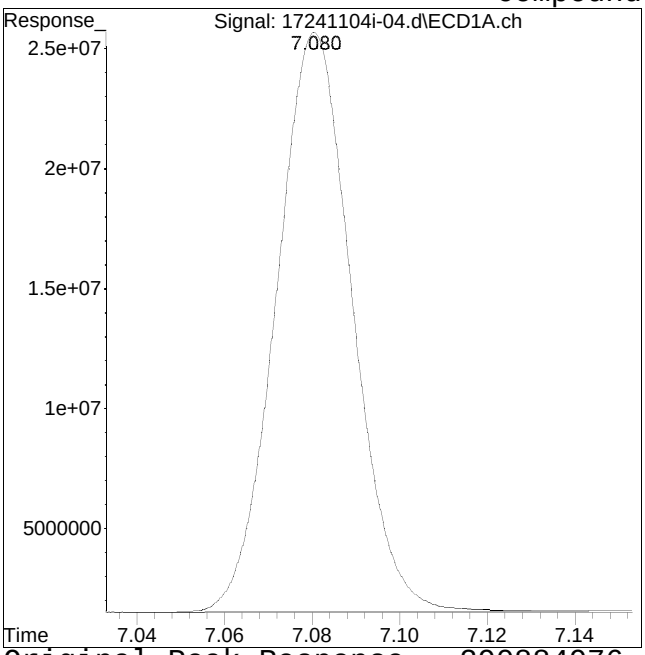


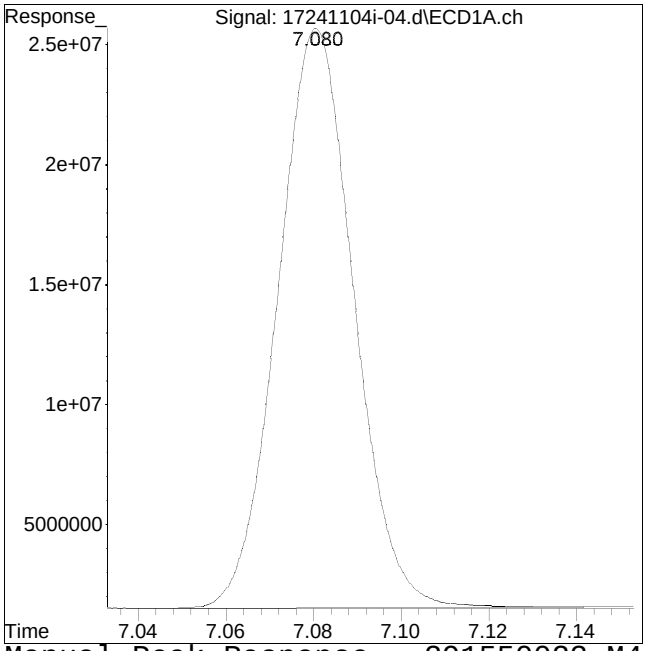
Original Peak Response = 106050330 Manual Peak Response = 101635193 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #4: Dicamba



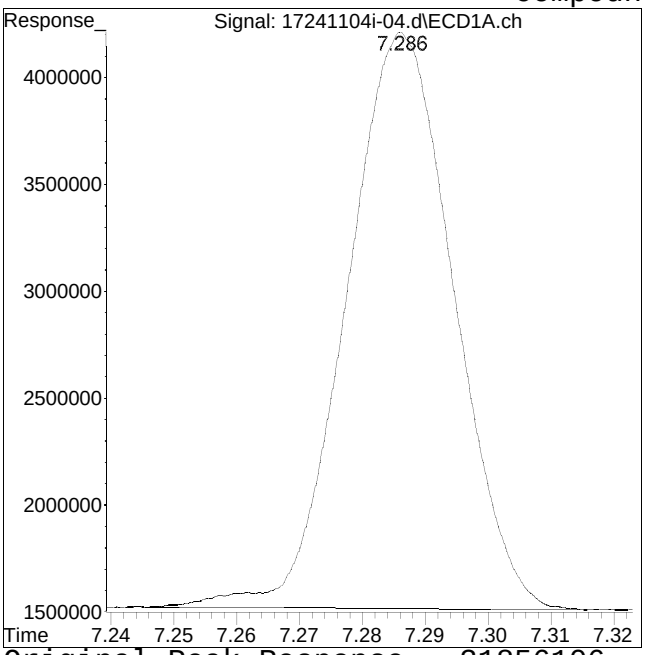


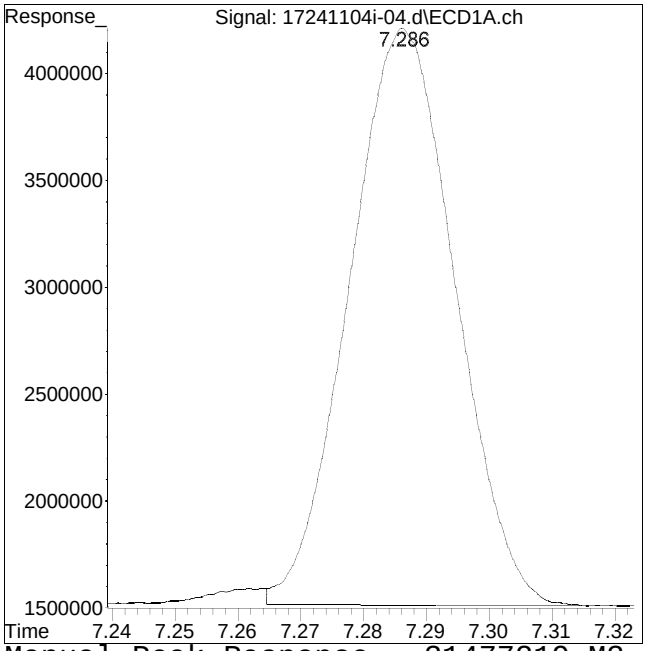
Original Peak Response = 290884976 Manual Peak Response = 291550023 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #5: MCPP



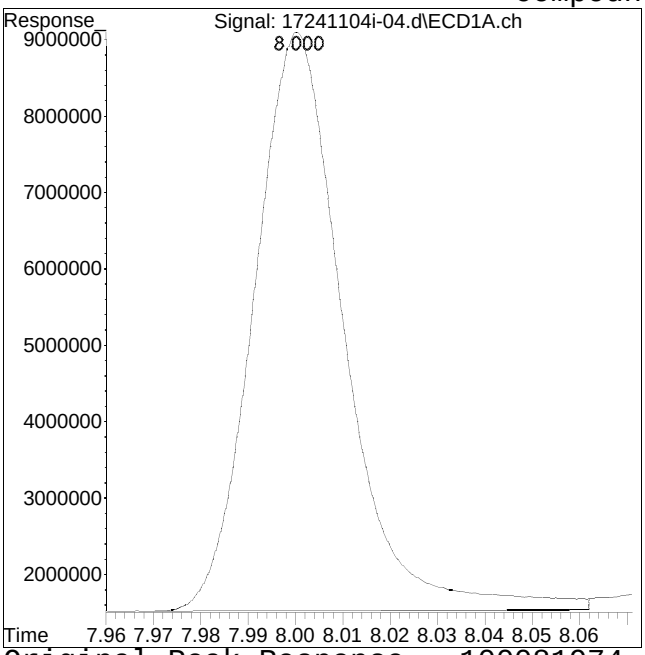


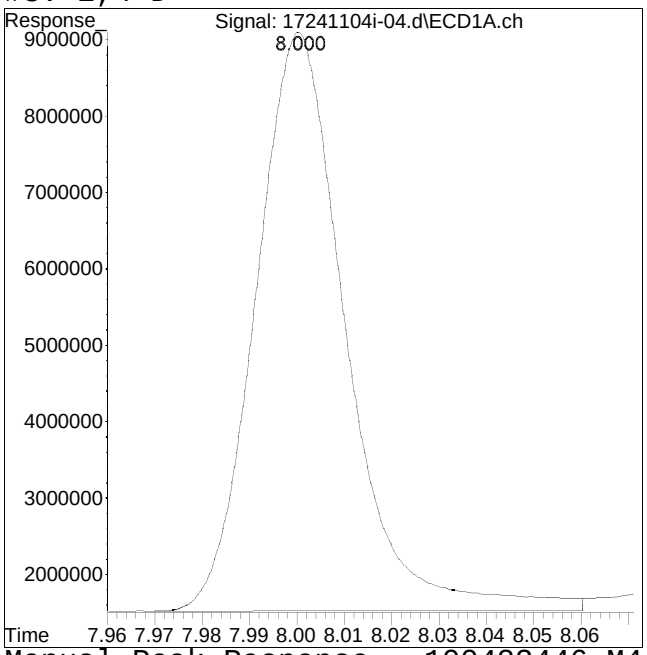
Original Peak Response = 31856106 Manual Peak Response = 31477219 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #8: 2,4-D



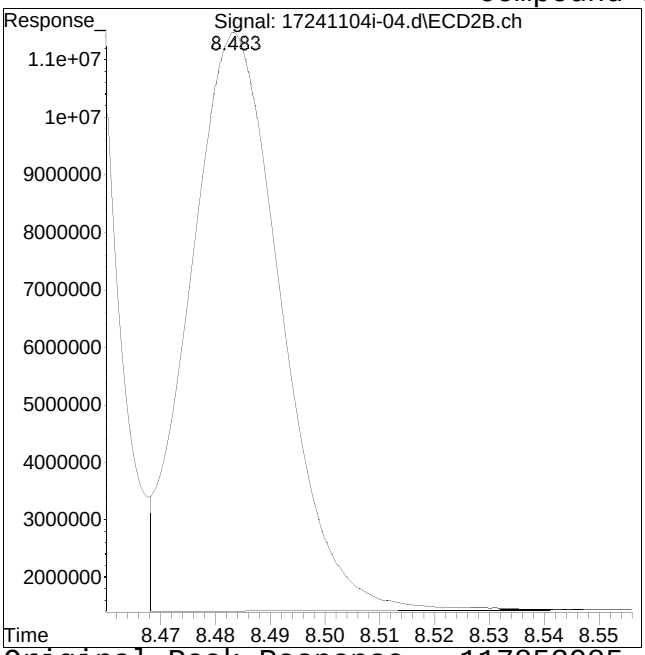


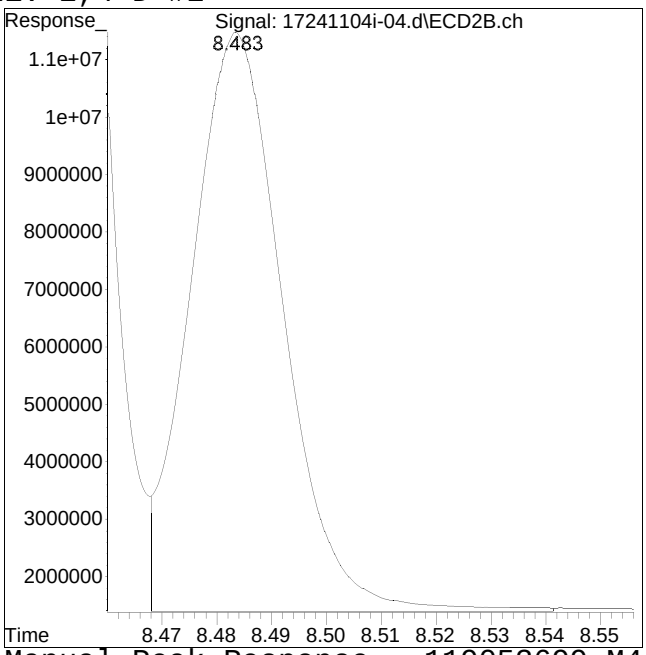
Original Peak Response = 100081974 Manual Peak Response = 100423446 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #21: 2,4-D #2



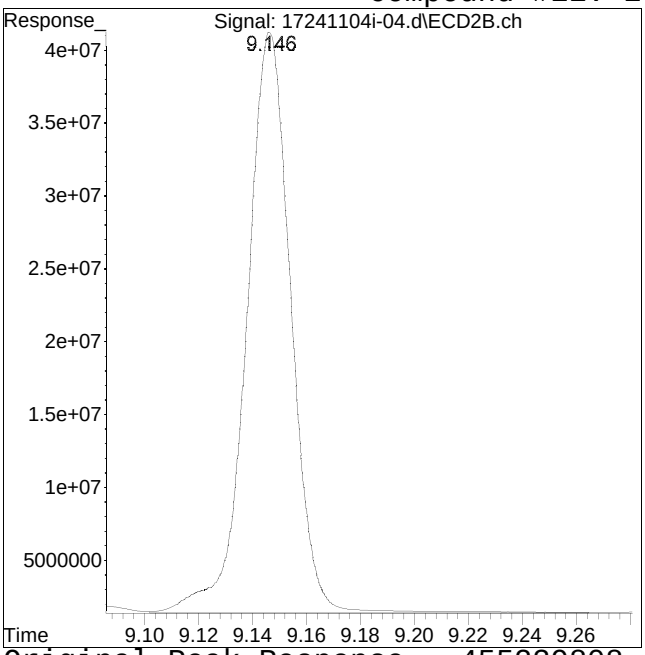


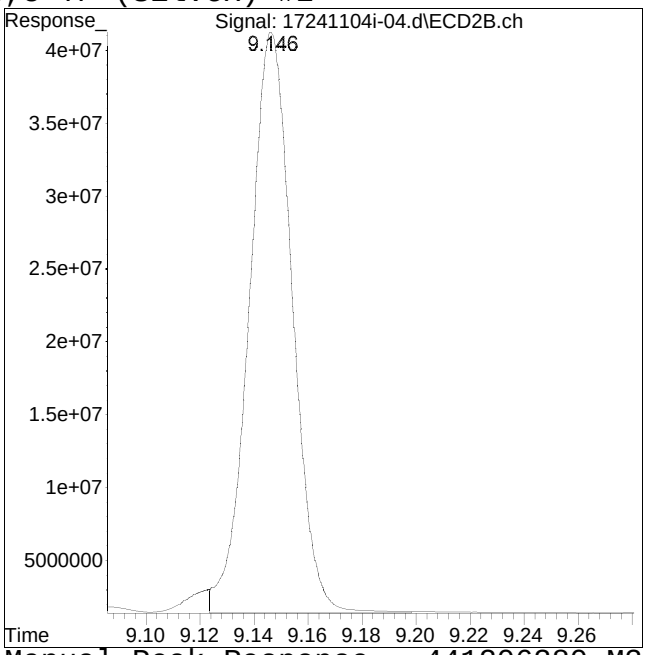
Original Peak Response = 117853985 Manual Peak Response = 119053699 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #22: 2,4,5-TP (Silvex) #2



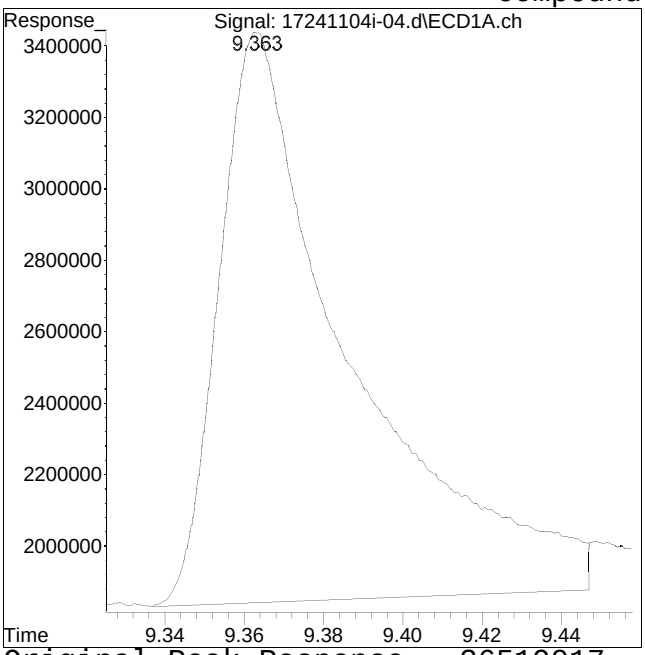


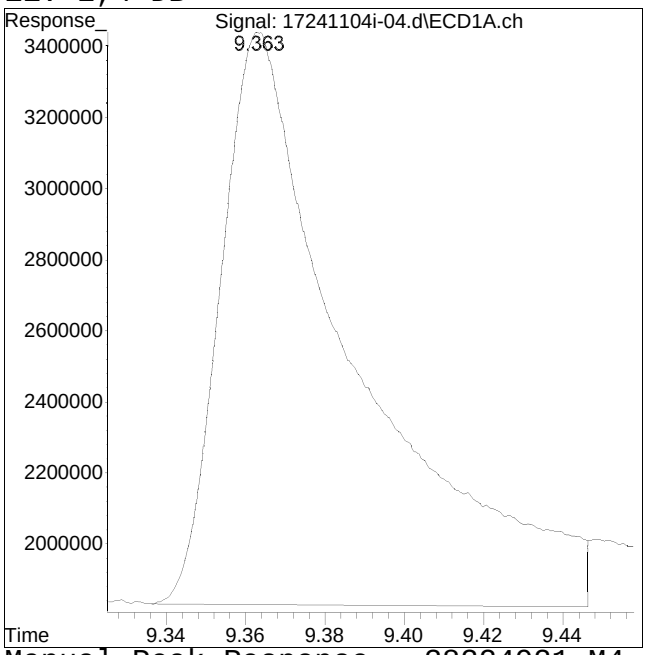
Original Peak Response = 455239808 Manual Peak Response = 441206380 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #11: 2,4-DB



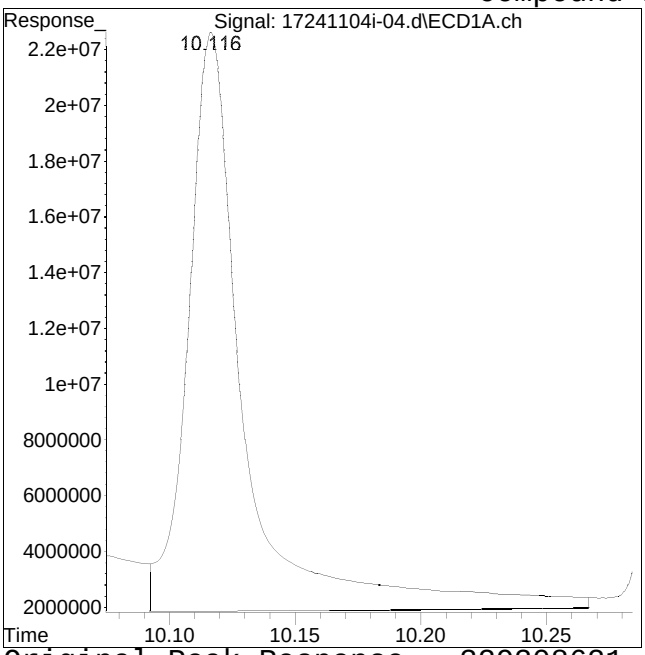


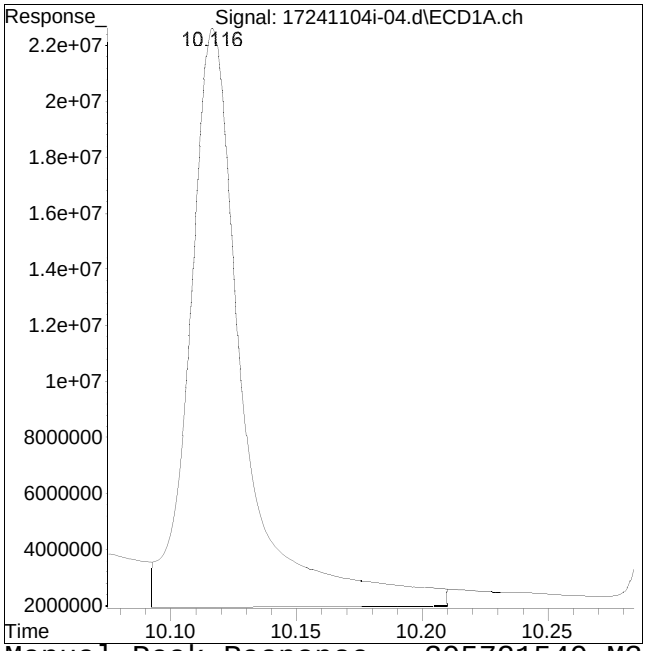
Original Peak Response = 36519017 Manual Peak Response = 38224921 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-04.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:16 Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 11/5/2024 3:28 pm

Compound #12: Dinoseb





Original Peak Response = 329308621 Manual Peak Response = 305721540 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\Pest17\2024\241104ICAL\
Data File : 17241104i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:34
Operator : PEST17:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : wg1993691,,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: Nov 05 16:03:14 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 15:46:48 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	8.457	8.445	652.5E6	658.7E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.895	7.366	209.3E6	223.7E6	0.438M3	0.434M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	87.60%	86.80%
		Target Compounds						
2)	t	Dalapon	1.911	1.924	227.2E6	233.7E6	0.433	0.435
4)	t	Dicamba	7.080	7.548	690.3E6	695.9E6	0.458M3	0.456
5)	t	MCPP	7.286	7.662	74027923	82831411	45.528M3	46.333
6)	t	MCPA	7.433	7.889	117.2E6	127.6E6	41.776M4	41.909
7)	t	Dichloroprop	7.789	8.208	204.3E6	210.8E6	0.436M3	0.434
8)	t	2,4-D	8.000	8.483	236.0E6	266.0E6	0.455	0.437M4
9)	t	2,4,5-TP (Si	8.727	9.145	960.4E6	1014.8E6	0.467M4	0.454M3
10)	t	2,4,5-T	8.946	9.435	881.5E6	978.1E6	0.450M4	0.462
11)	t	2,4-DB	9.360	9.798	102.9E6	127.0E6	0.532M3	0.414M4
12)	t	Dinoseb	10.115	10.022	718.2E6	635.5E6	0.460M3	0.465M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:34
Operator : PEST17:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : wg1993691,,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: Nov 05 16:03:14 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 15:46:48 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

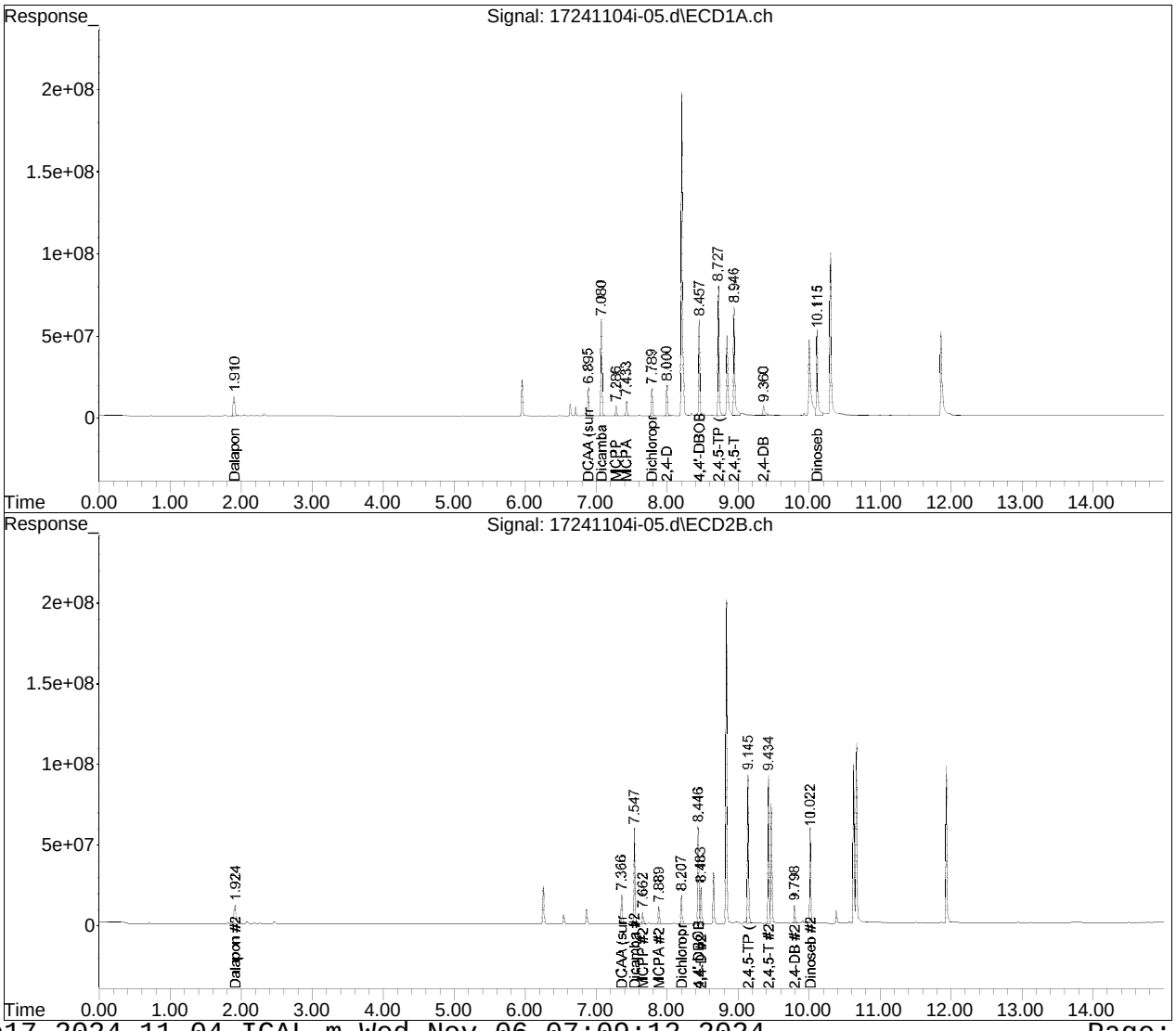
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:34
Operator : PEST17:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : wg1993691,,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: Nov 05 16:03:14 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 15:46:48 2024
Response via : Initial Calibration
Integrator: ChemStation

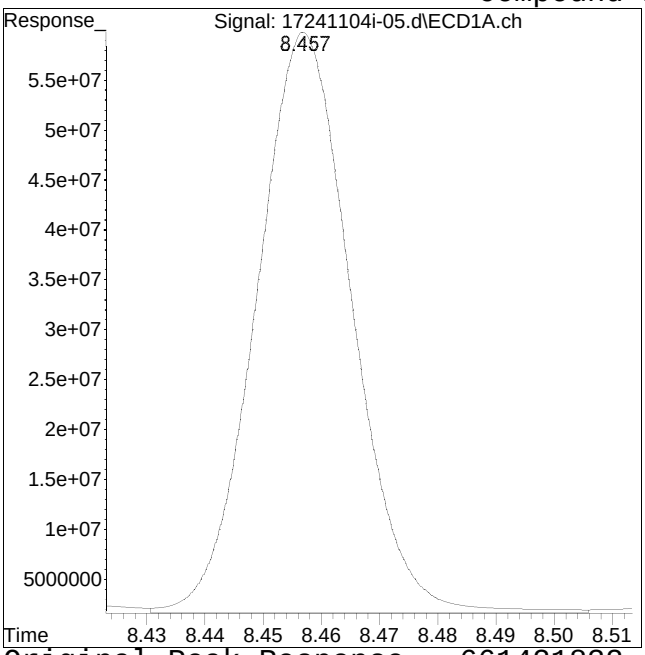
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

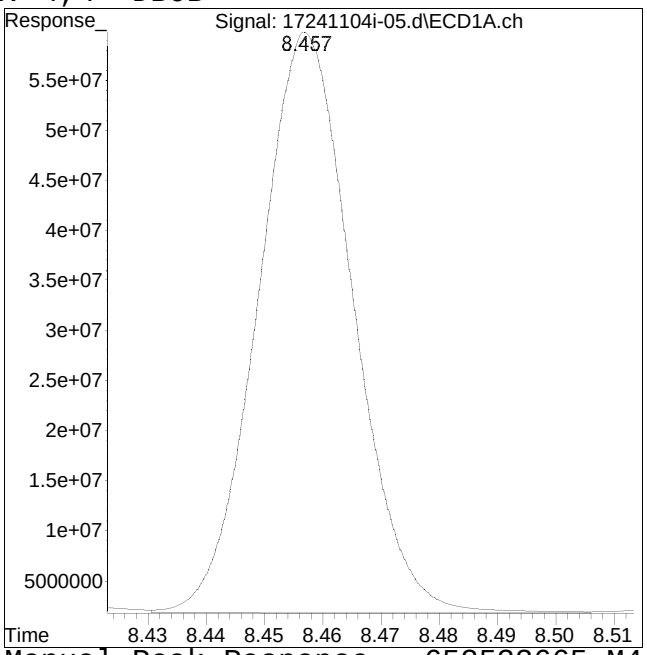


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #1: 4,4'-DBOB



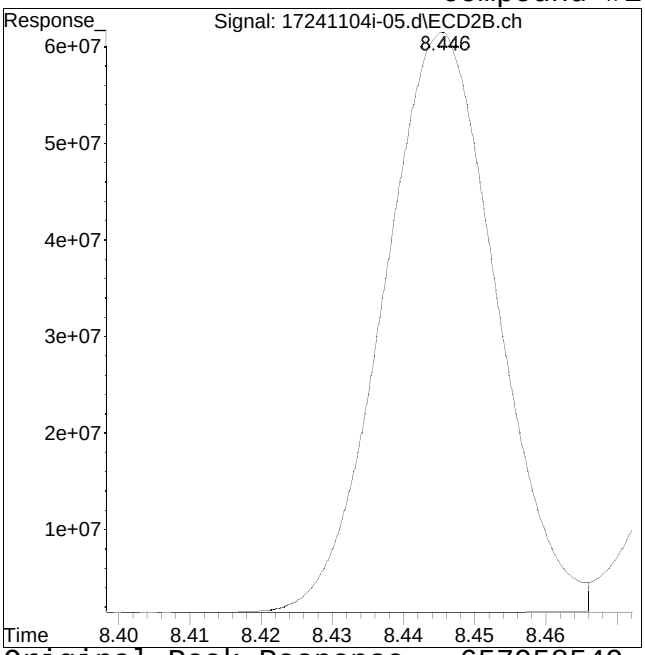


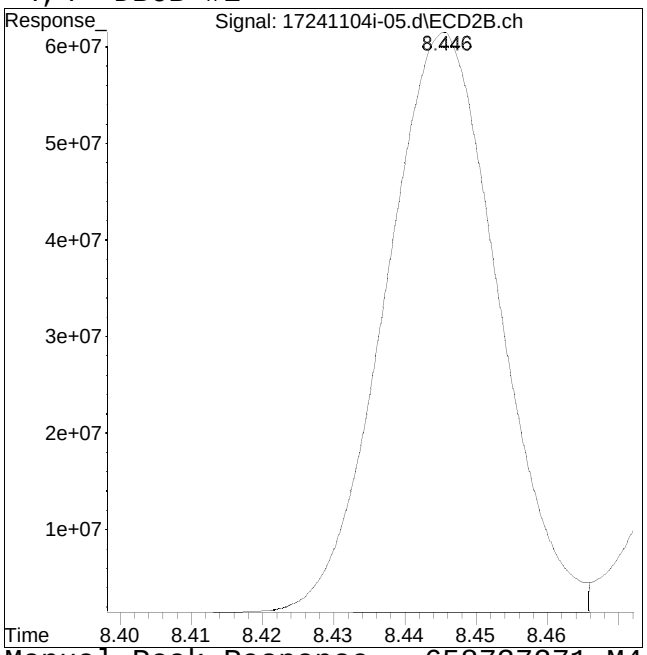
Original Peak Response = 661421832 Manual Peak Response = 652533665 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #14: 4,4'-DBOB #2



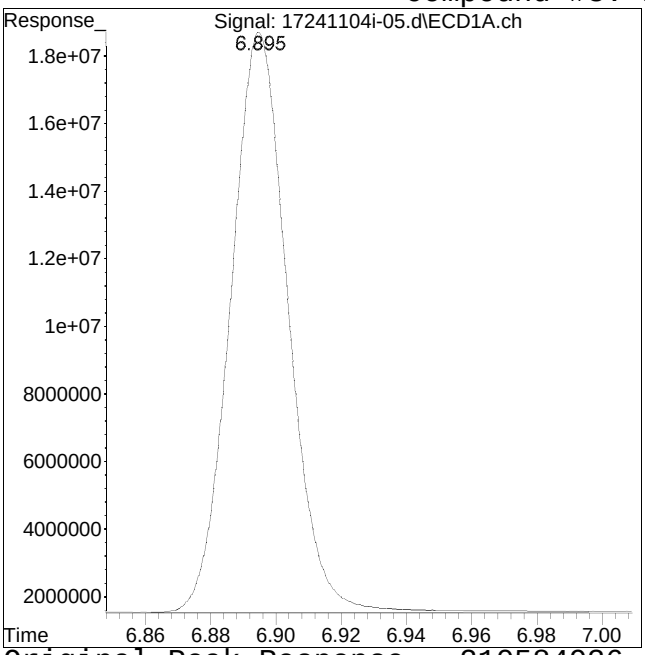


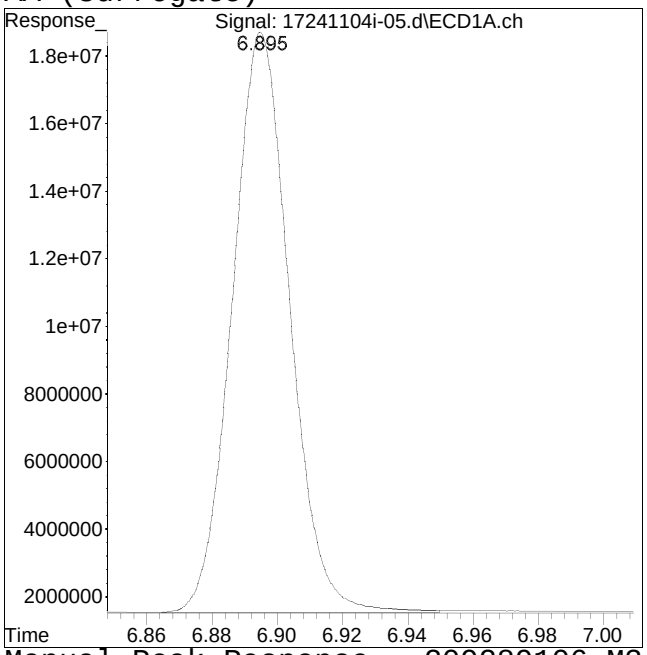
Original Peak Response = 657958549 Manual Peak Response = 658737271 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #3: DCAA (surrogate)



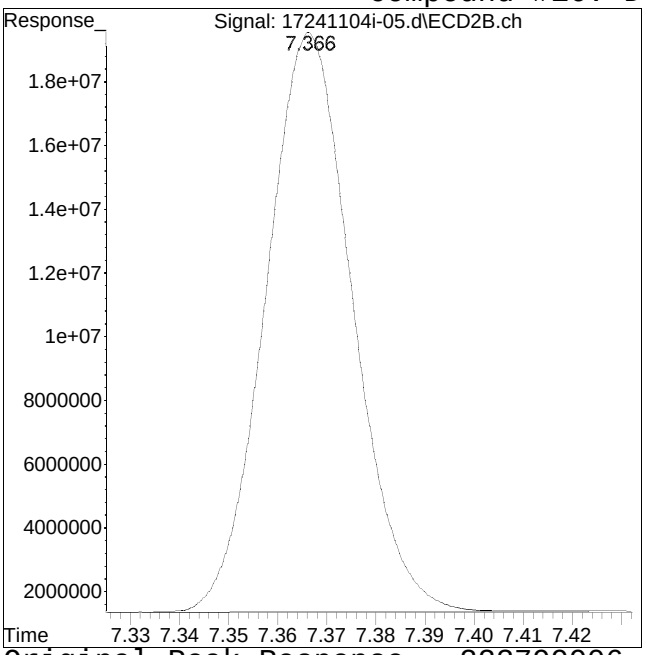


Original Peak Response = 210584936 Manual Peak Response = 209289106 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

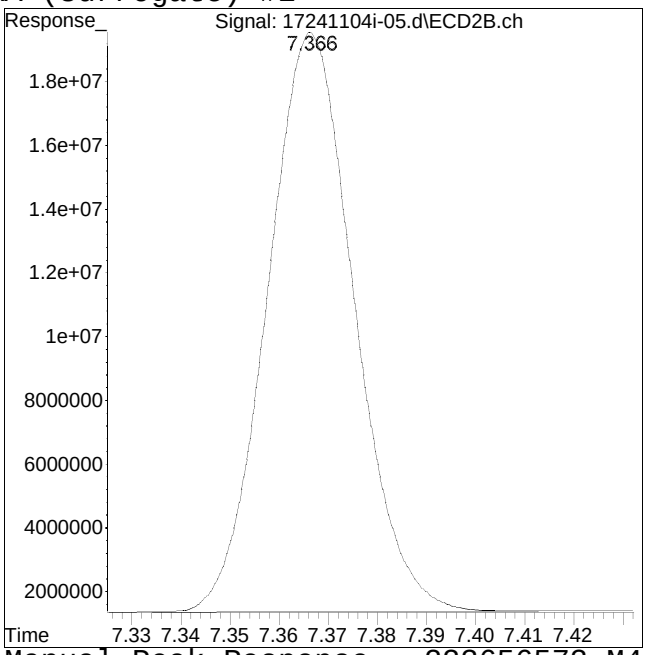
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 223799906



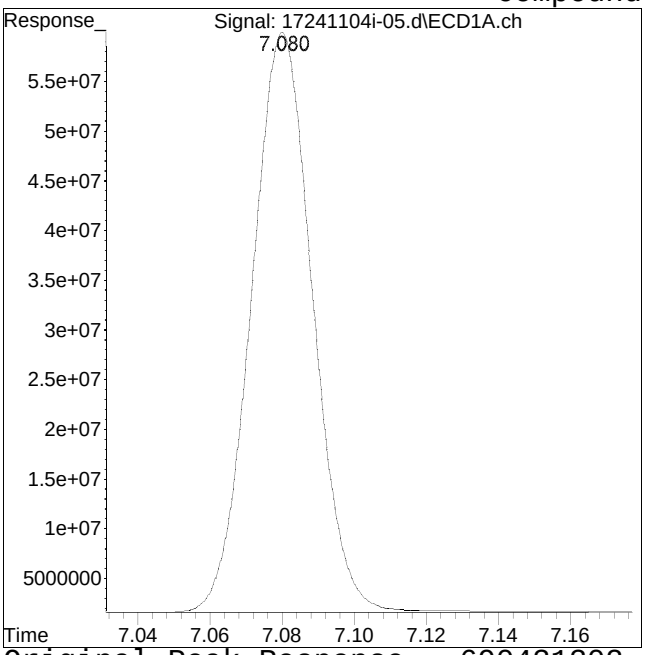
Manual Peak Response = 223656573 M4

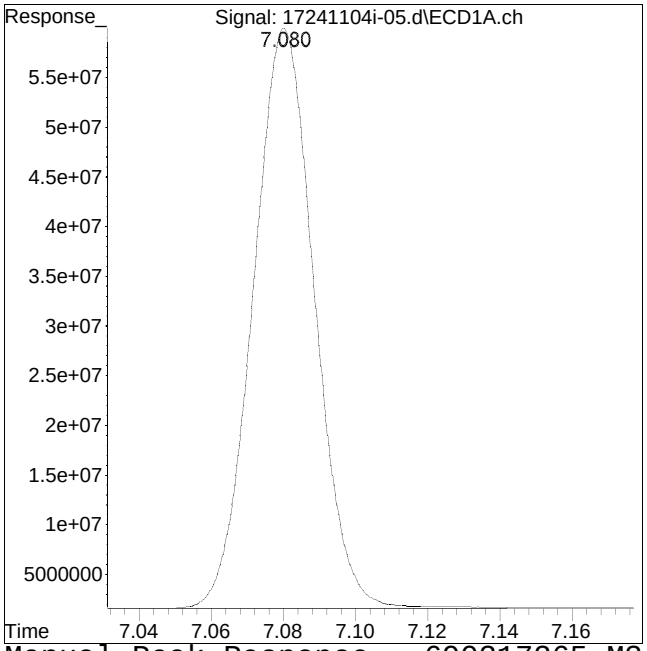
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #4: Dicamba



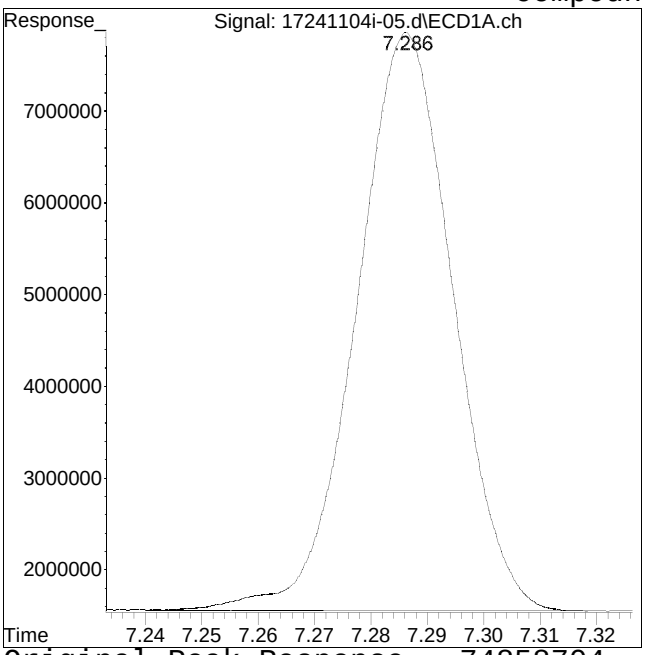


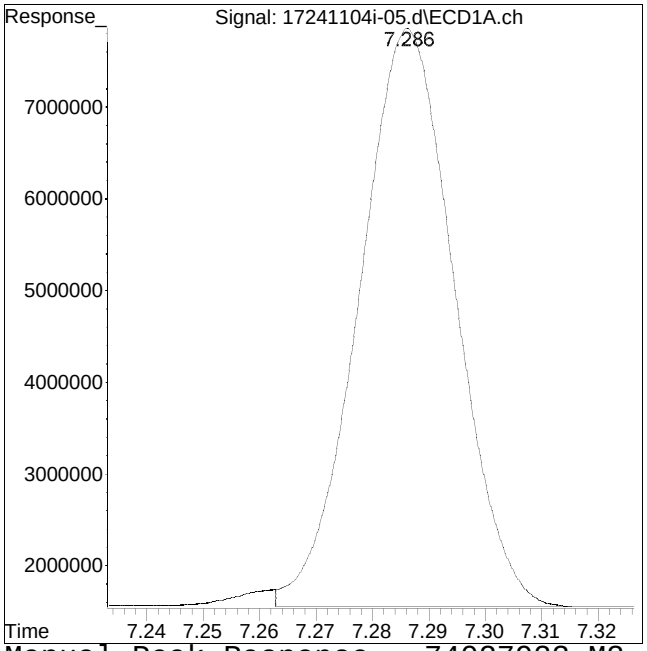
Original Peak Response = 690431302 Manual Peak Response = 690317265 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #5: MCPP



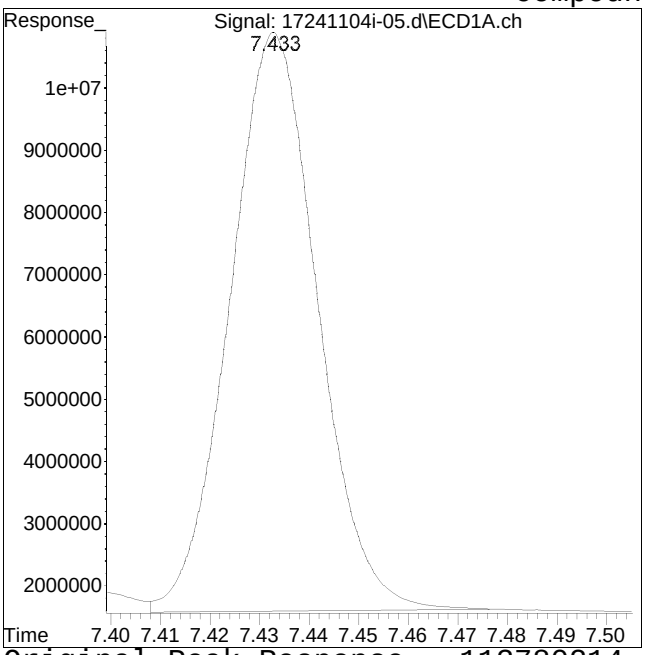


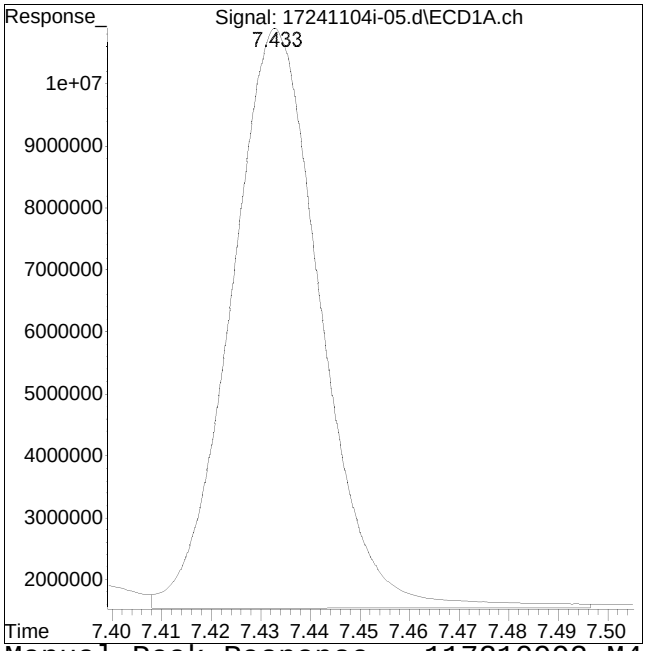
Original Peak Response = 74858704 Manual Peak Response = 74027923 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #6: MCPA



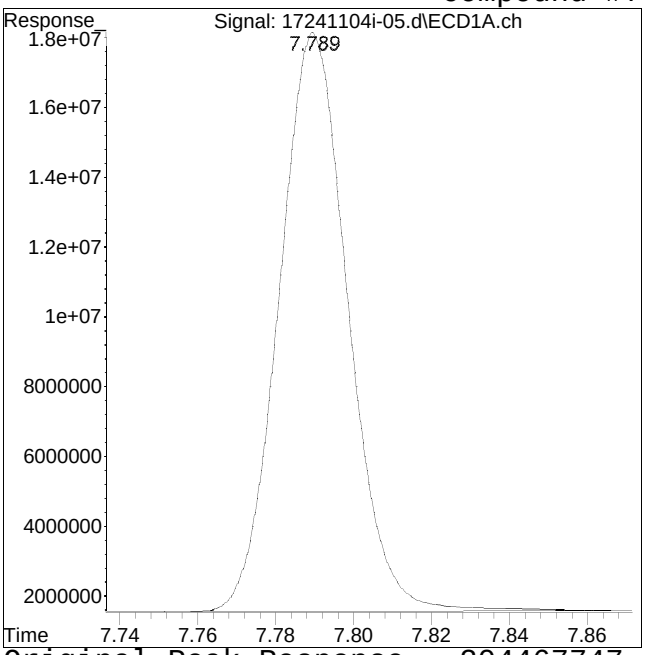


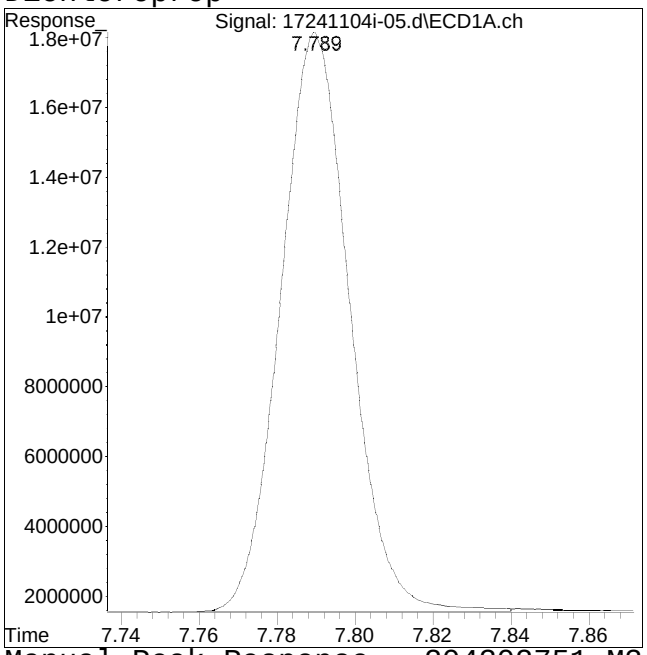
Original Peak Response = 113780214 Manual Peak Response = 117210992 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #7: Dichloroprop



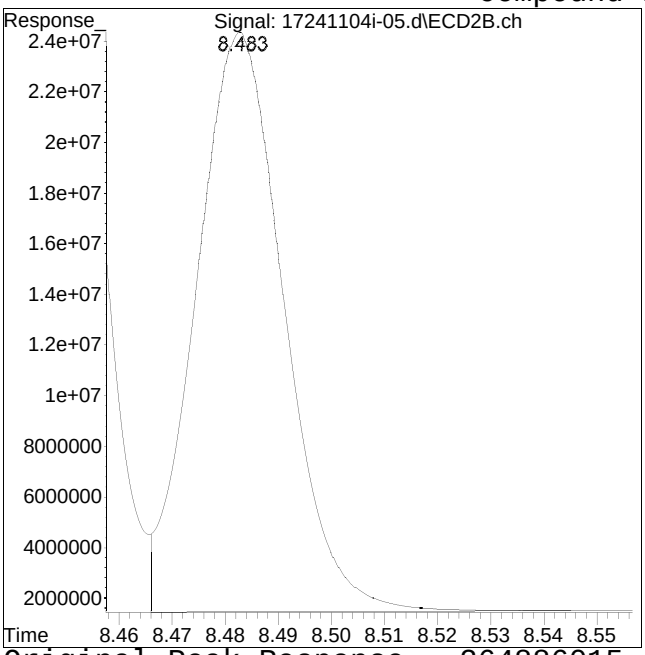


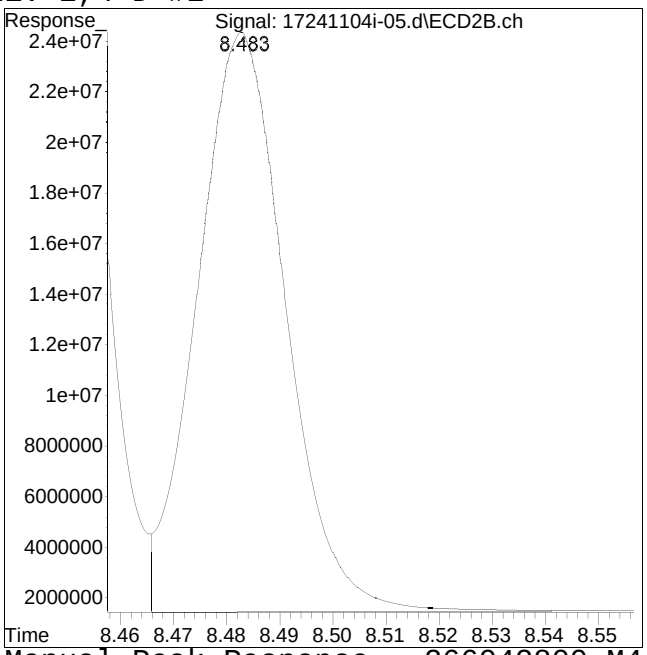
Original Peak Response = 204467747 Manual Peak Response = 204302751 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #21: 2,4-D #2



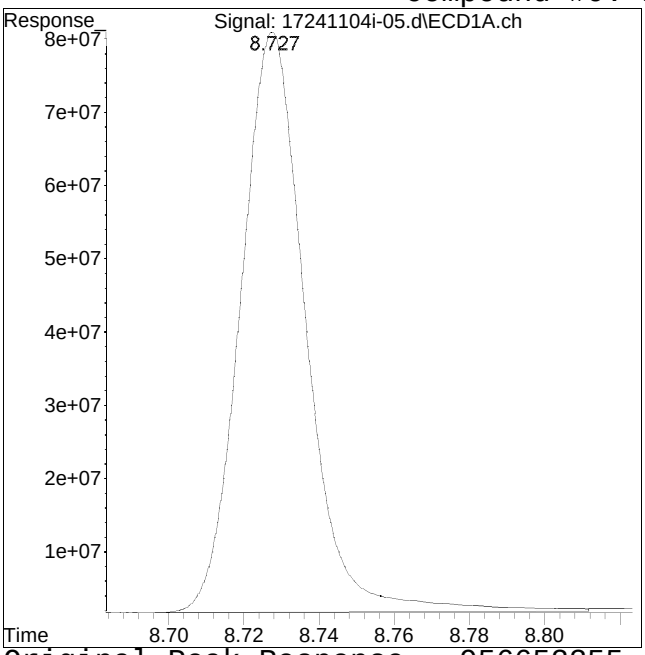


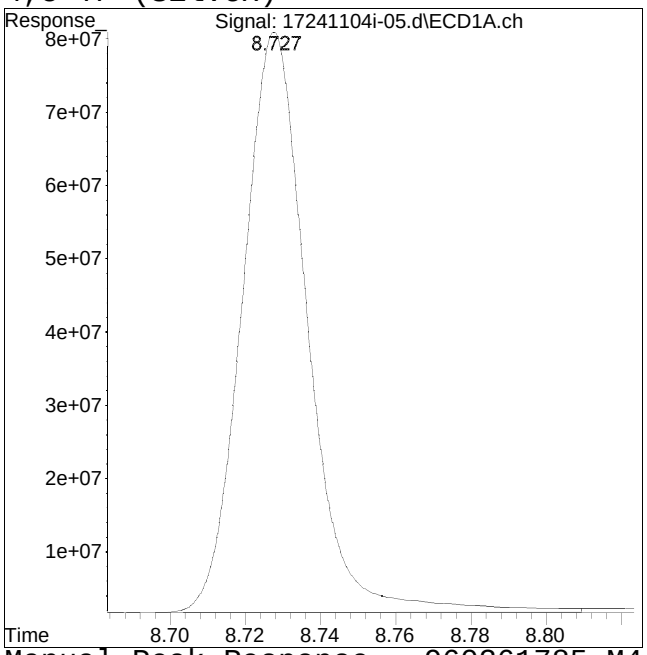
Original Peak Response = 264886015 Manual Peak Response = 266042800 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #9: 2,4,5-TP (Silvex)



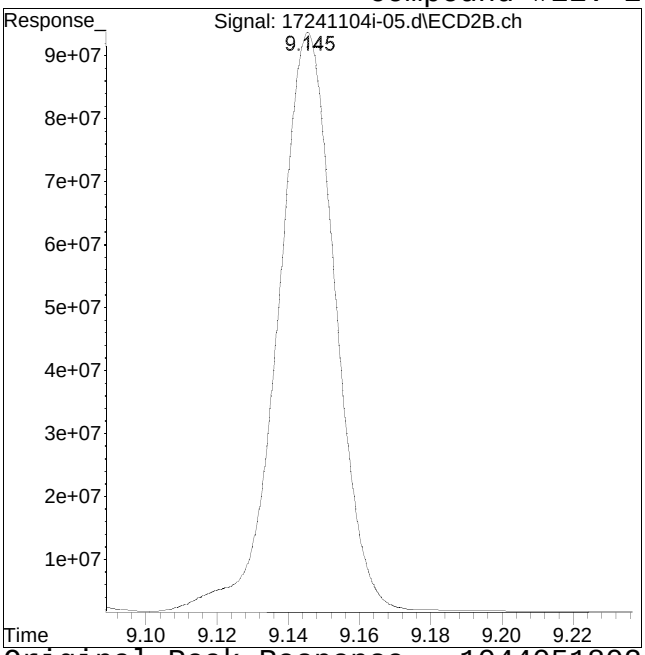


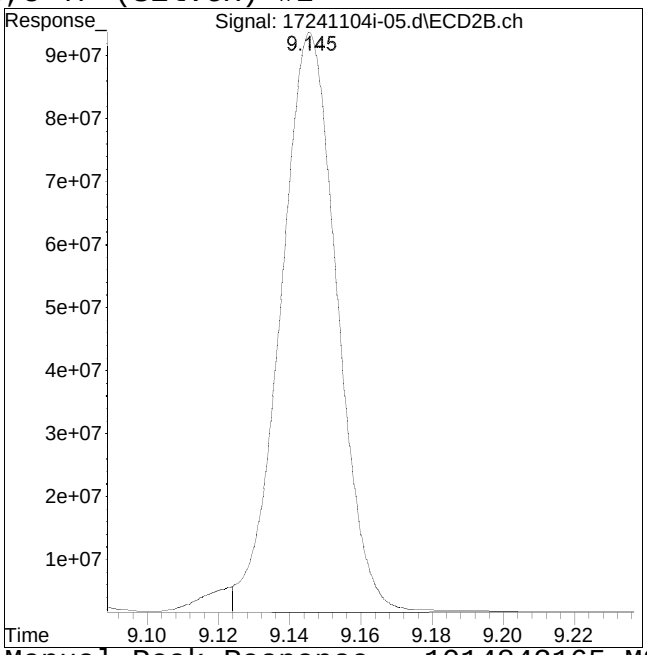
Original Peak Response = 956652355 Manual Peak Response = 960361785 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #22: 2,4,5-TP (Silvex) #2



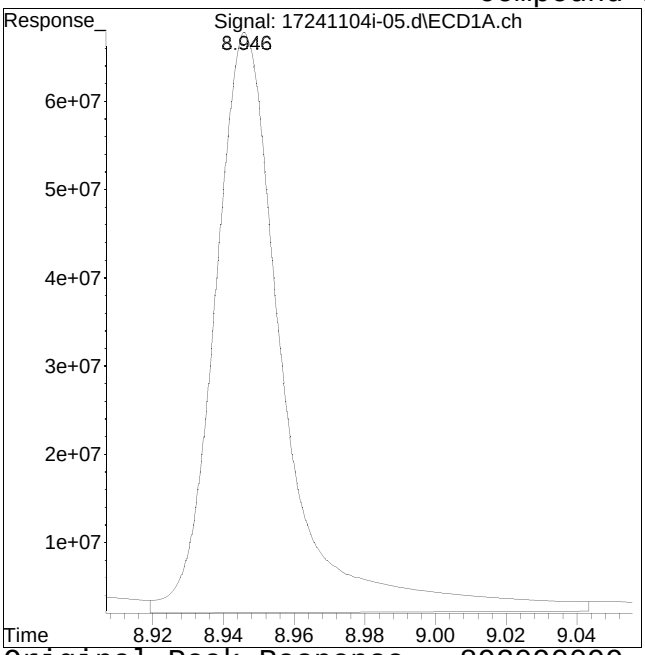


Original Peak Response = 1044051802 Manual Peak Response = 1014843165 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

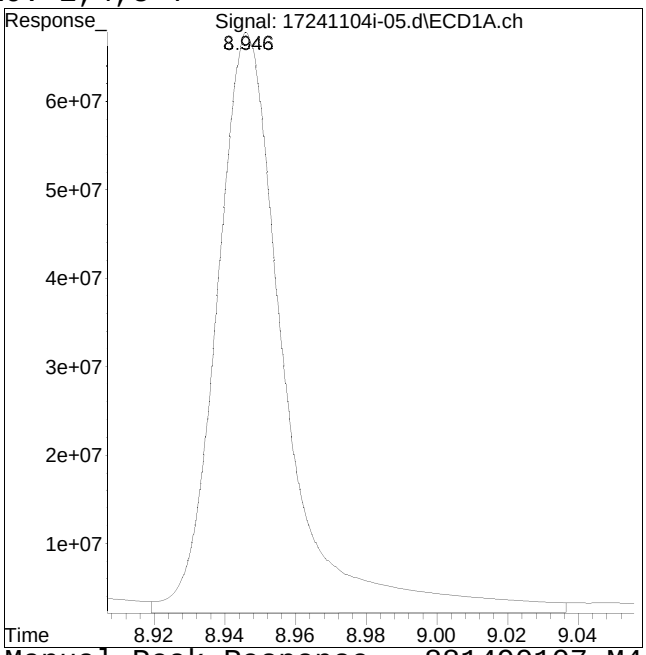
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #10: 2,4,5-T



Original Peak Response = 892090099

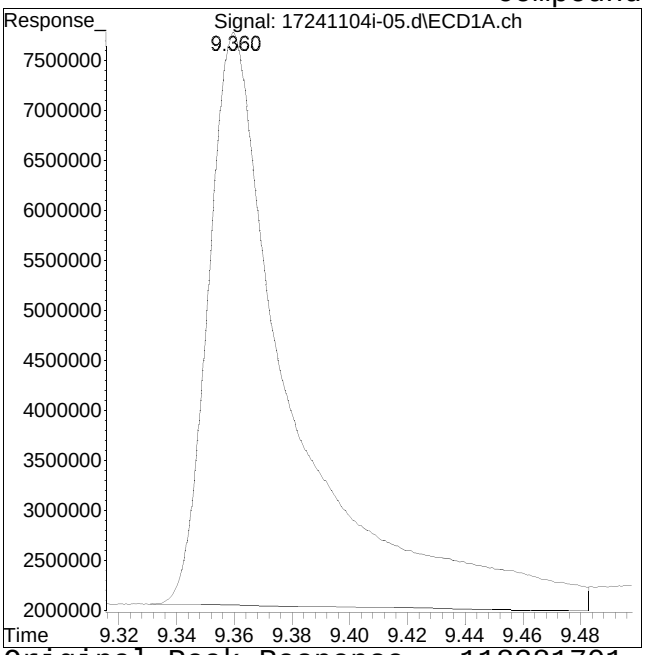


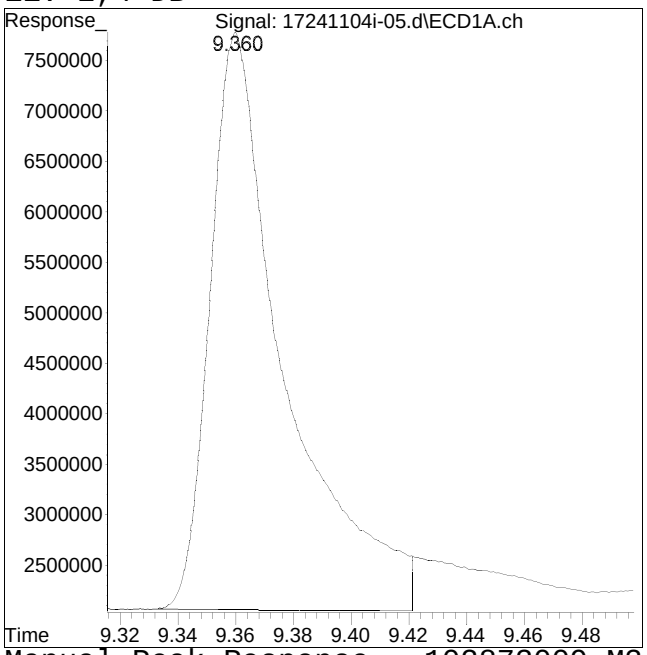
Manual Peak Response = 881490107 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #11: 2,4-DB



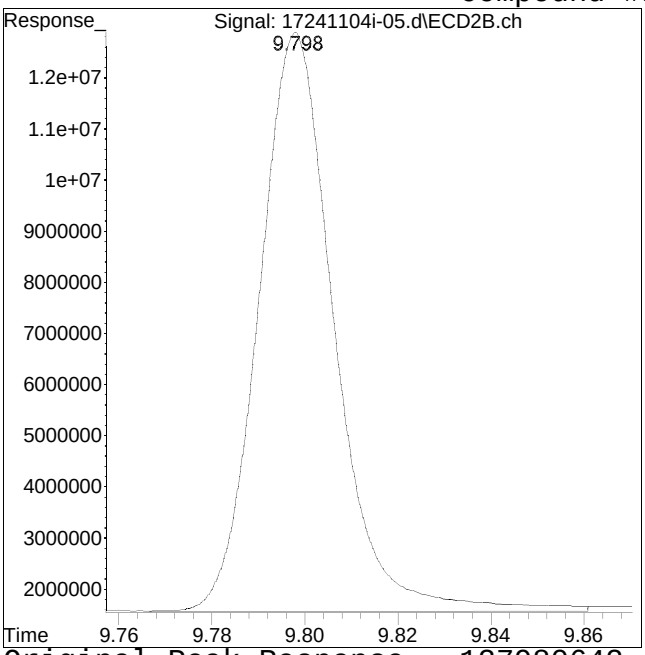


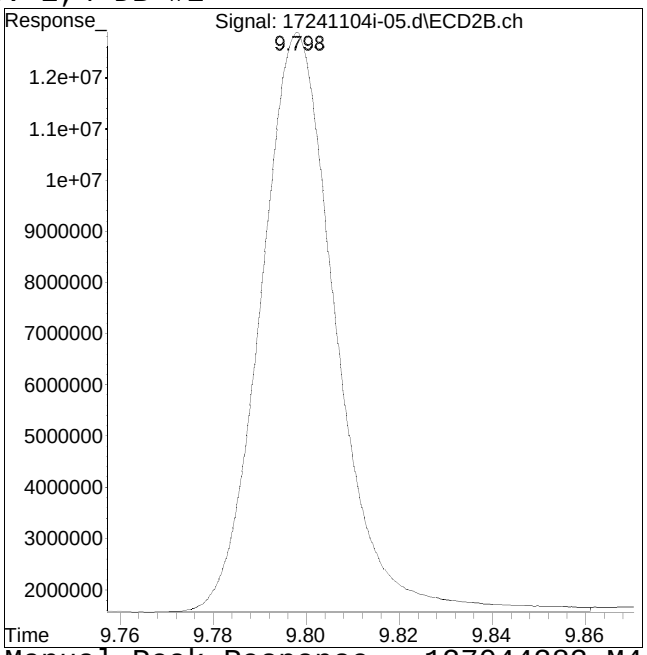
Original Peak Response = 118381701 Manual Peak Response = 102873009 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #24: 2,4-DB #2



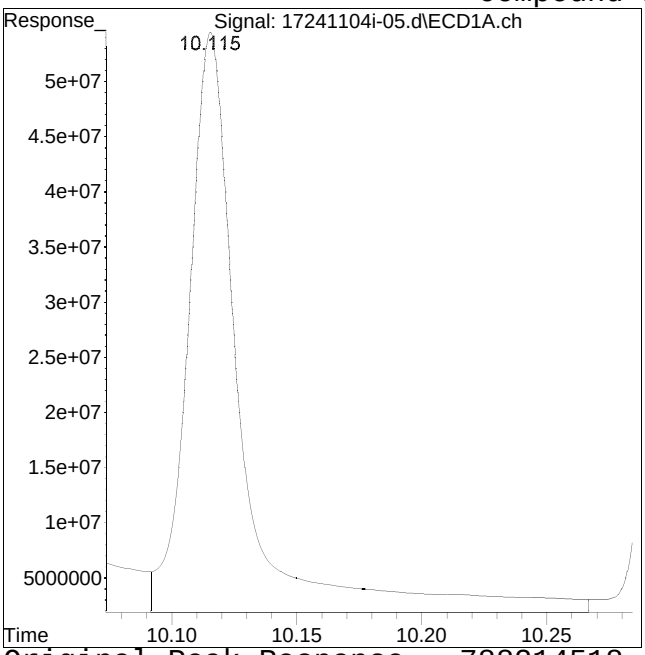


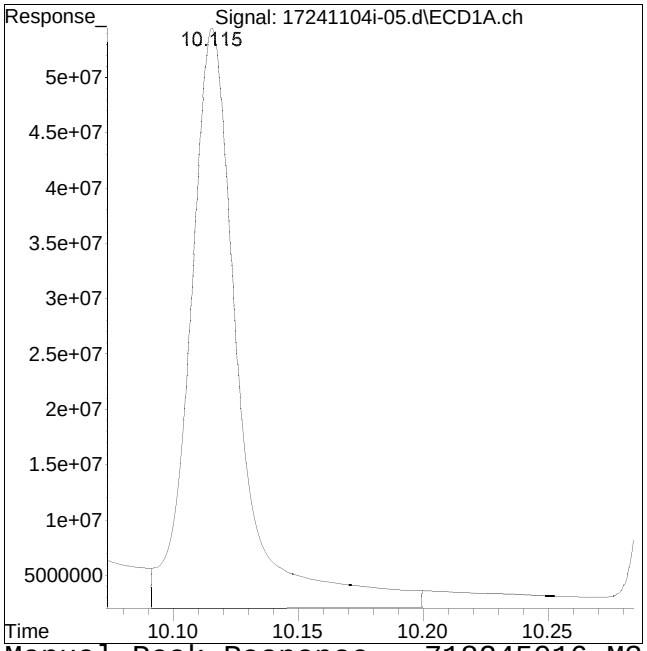
Original Peak Response = 127980642 Manual Peak Response = 127044383 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #12: Dinoseb



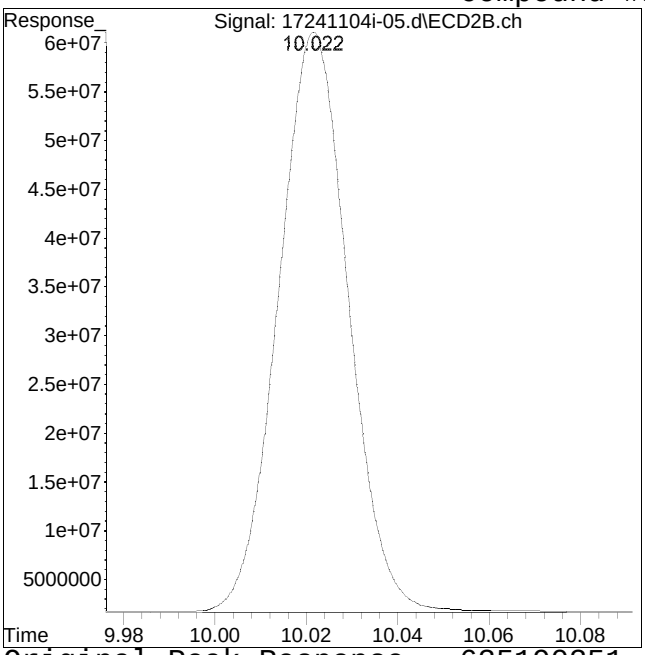


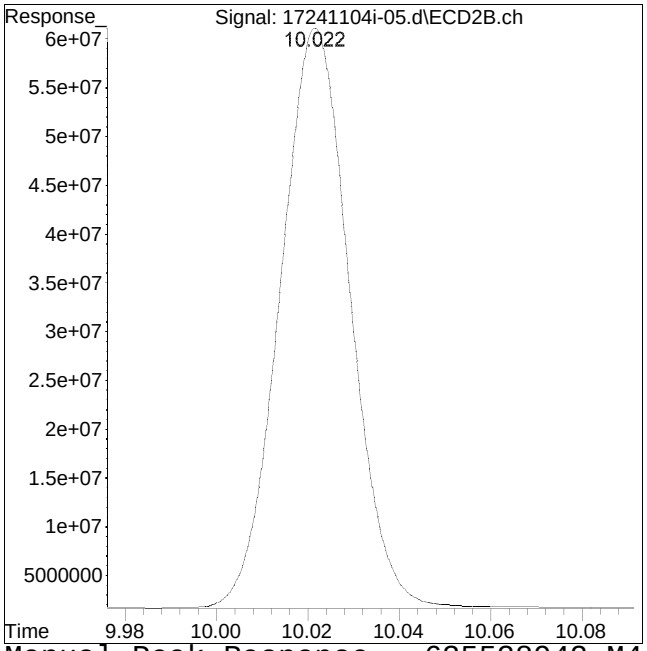
Original Peak Response = 788214518 Manual Peak Response = 718245016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-05.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 6:34 Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 11/5/2024 4:03 pm

Compound #25: Dinoseb #2





Original Peak Response = 635190351 Manual Peak Response = 635538942 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:53
Operator : PEST17:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : wg1993691,,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: Nov 05 16:08:42 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 16:05:51 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	8.471	8.450	687.3E6	685.1E6	0.250M4	0.250
	System Monitoring Compounds						
3) s	DCAA (surrog	6.912f	7.371	408.9E6	434.3E6	0.841	0.843
	Spiked Amount	0.500	Range 30 - 150		Recovery =	168.20%#	168.60%#
	Target Compounds						
2) t	Dalapon	1.921	1.924	460.7E6	451.1E6	0.854	0.826
4) t	Dicamba	7.097f	7.552	1389.2E6	1392.6E6	0.887	0.891M4
5) t	MCPP	7.304f	7.667	149.9E6	165.6E6	88.929	89.718M4
6) t	MCPA	7.450f	7.895	225.8E6	248.0E6	80.476	82.387
7) t	Dichloroprop	7.805	8.212	401.4E6	412.2E6	0.844	0.849
8) t	2,4-D	8.015	8.487	477.1E6	525.6E6	0.887	0.860
9) t	2,4,5-TP (Si	8.742	9.150	1964.7E6	2042.7E6	0.914	0.899M3
10) t	2,4,5-T	8.959	9.439	1853.8E6	1962.8E6	0.923M4	0.904
11) t	2,4-DB	9.370	9.802	250.6E6	266.8E6	1.167M3	0.897
12) t	Dinoseb	10.127	10.026	1352.1E6	1268.3E6	0.835M3	0.902M4
	SemiQuant Compounds - Not Calibrated on this Instrument						

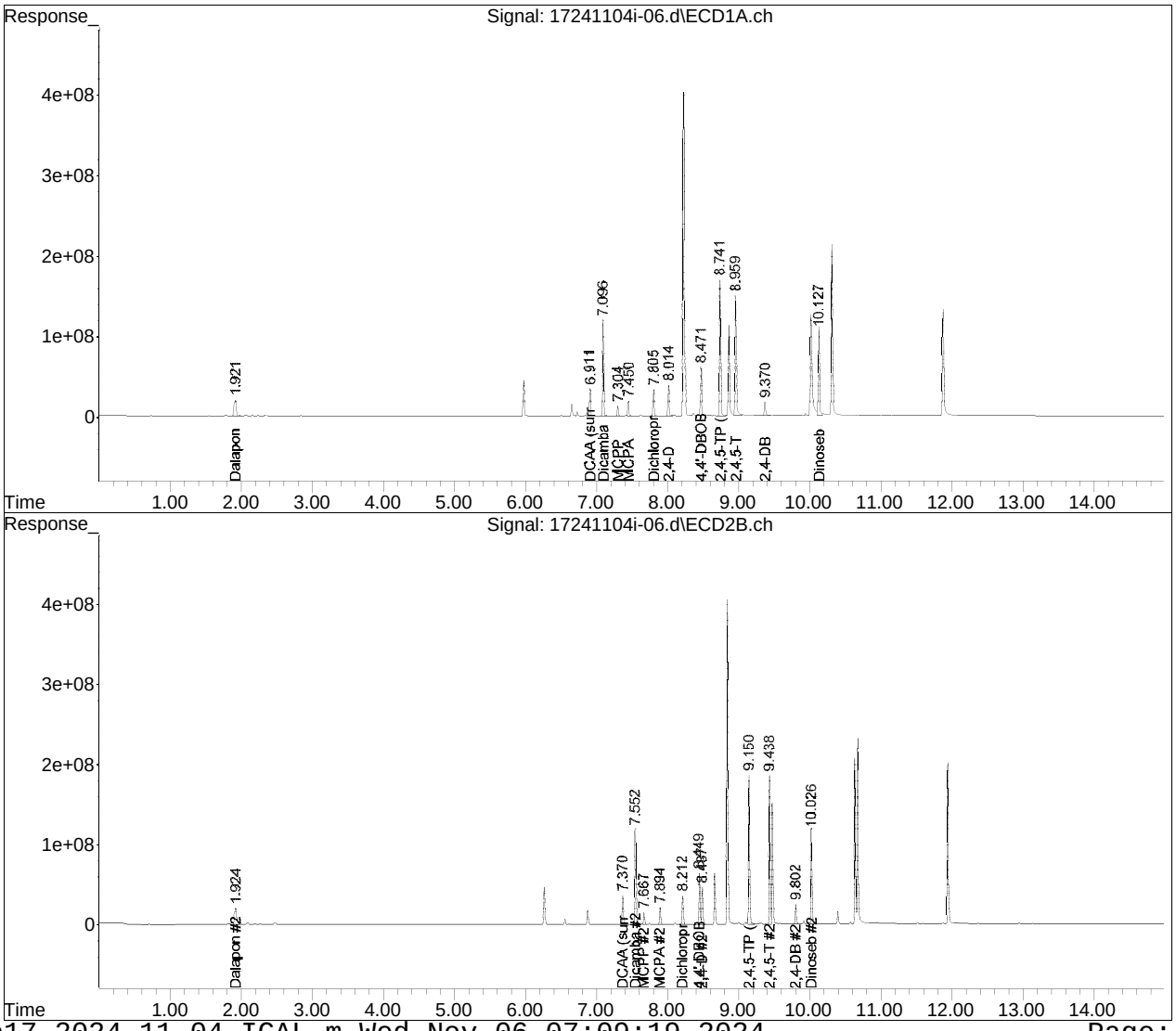
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:53
Operator : PEST17:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : wg1993691,,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: Nov 05 16:08:42 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 16:05:51 2024
Response via : Initial Calibration
Integrator: ChemStation

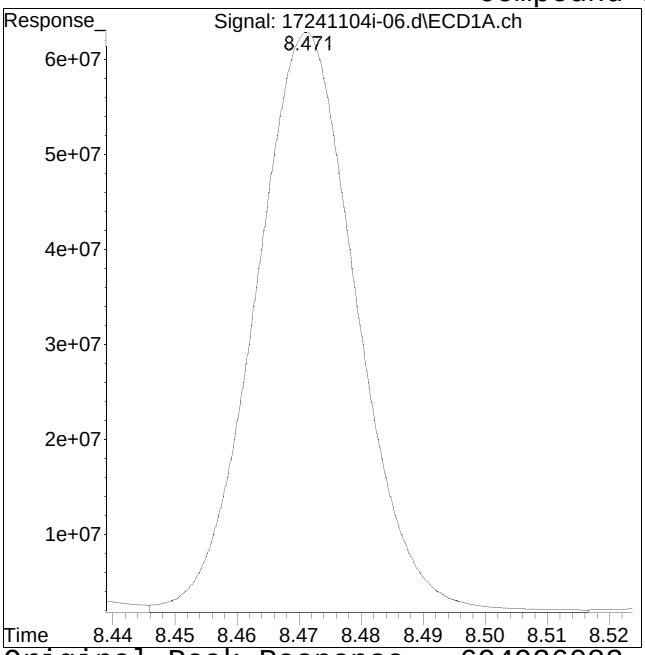
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

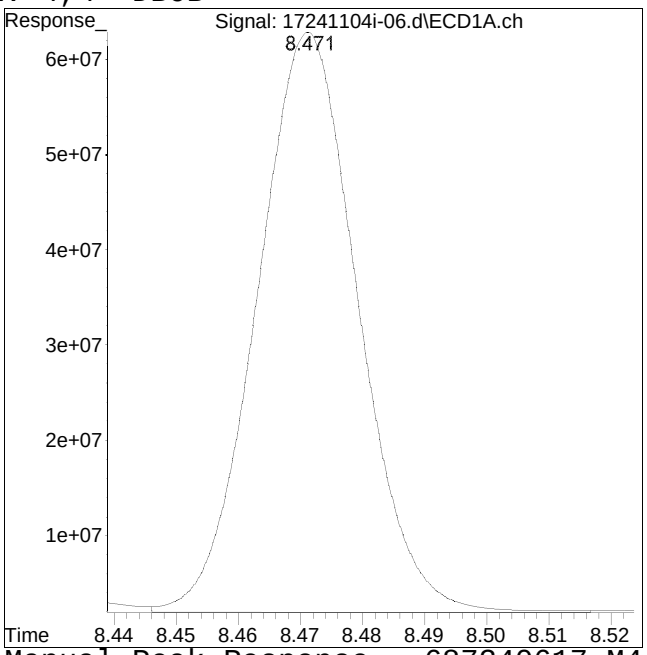


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-06.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 9:53 Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 11/5/2024 4:08 pm

Compound #1: 4,4'-DBOB



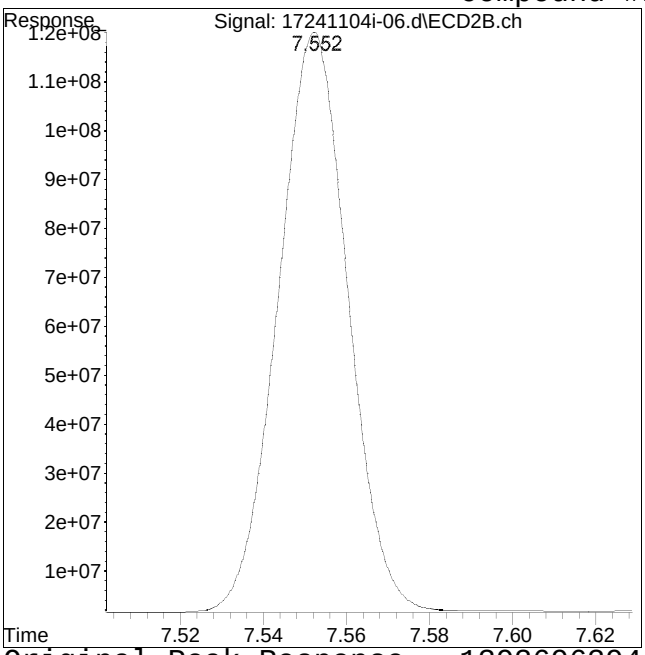


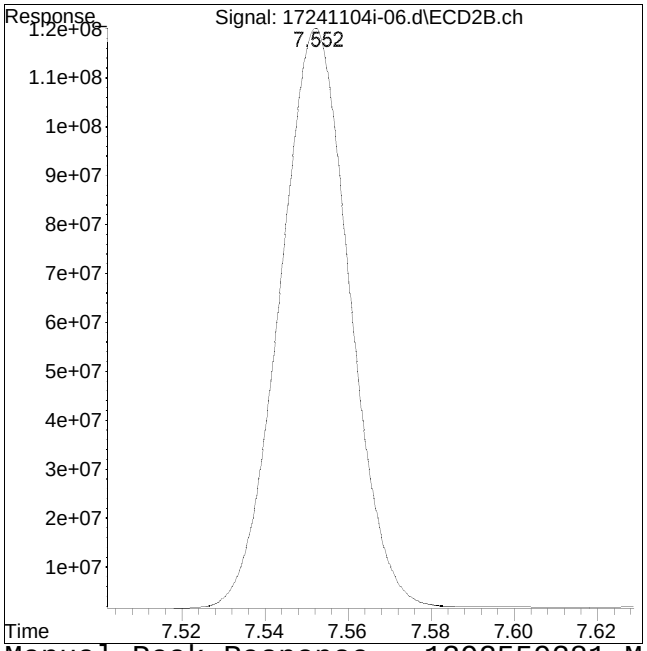
Original Peak Response = 694926083 Manual Peak Response = 687340617 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-06.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 9:53 Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 11/5/2024 4:08 pm

Compound #17: Dicamba #2



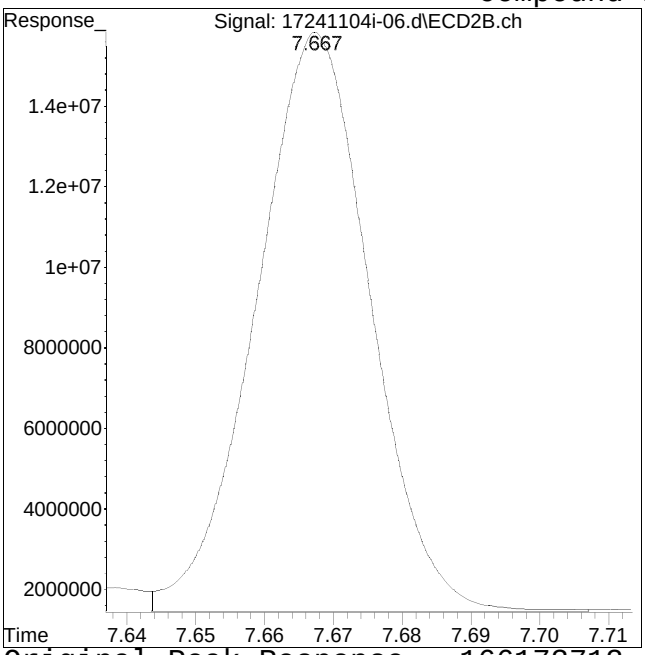


Original Peak Response = 1393696394 Manual Peak Response = 1392559281 M4
M4 = Poor automated baseline construction.

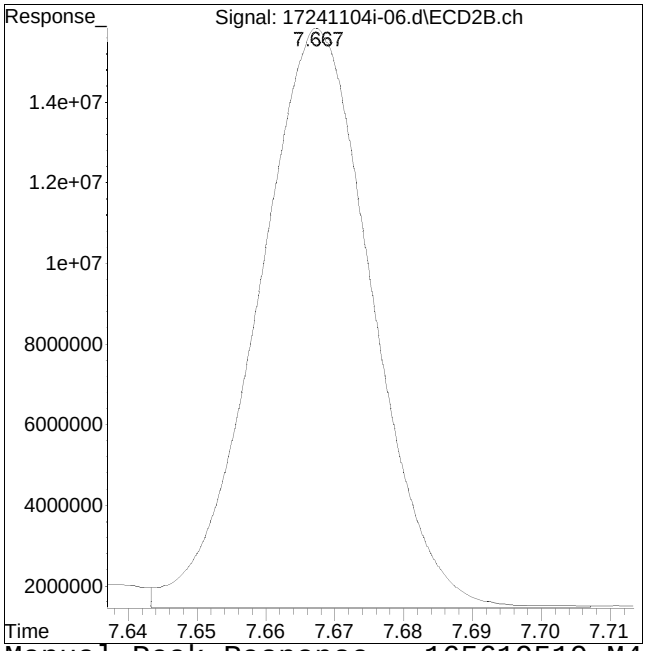
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-06.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 9:53 Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 11/5/2024 4:08 pm

Compound #18: MCPP #2



Original Peak Response = 166173712



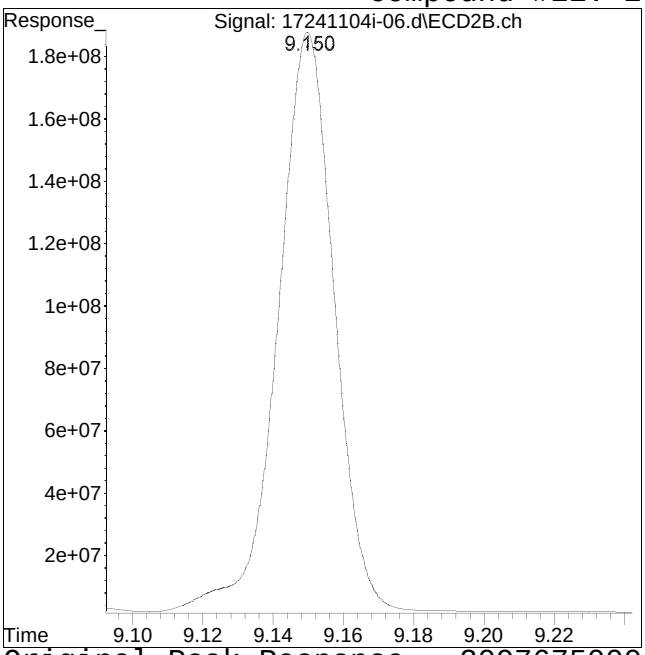
Manual Peak Response = 165619510 M4

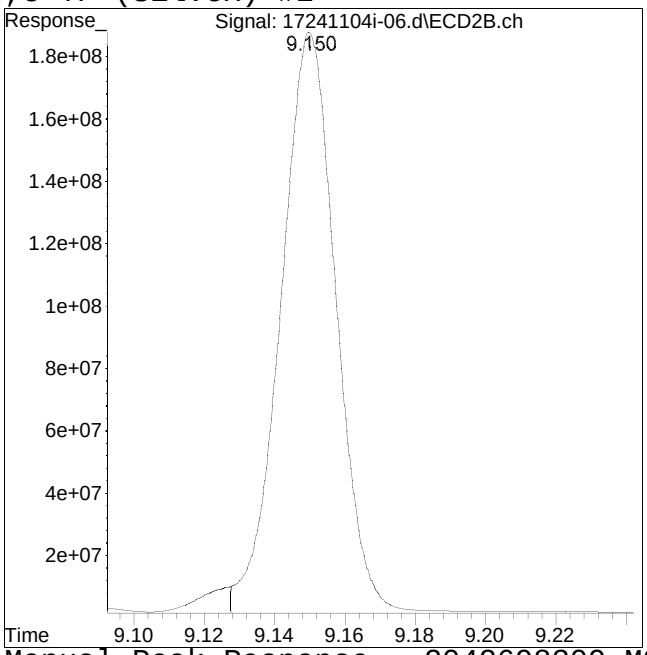
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-06.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 9:53 Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 11/5/2024 4:08 pm

Compound #22: 2,4,5-TP (Silvex) #2



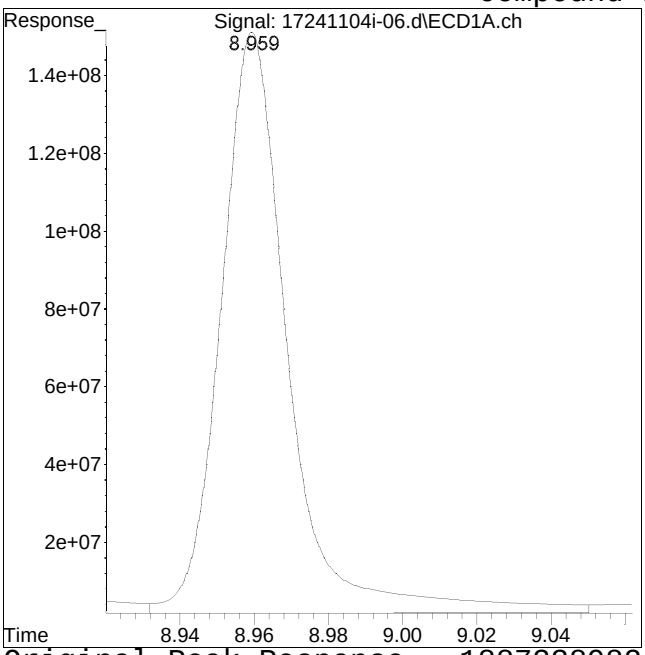


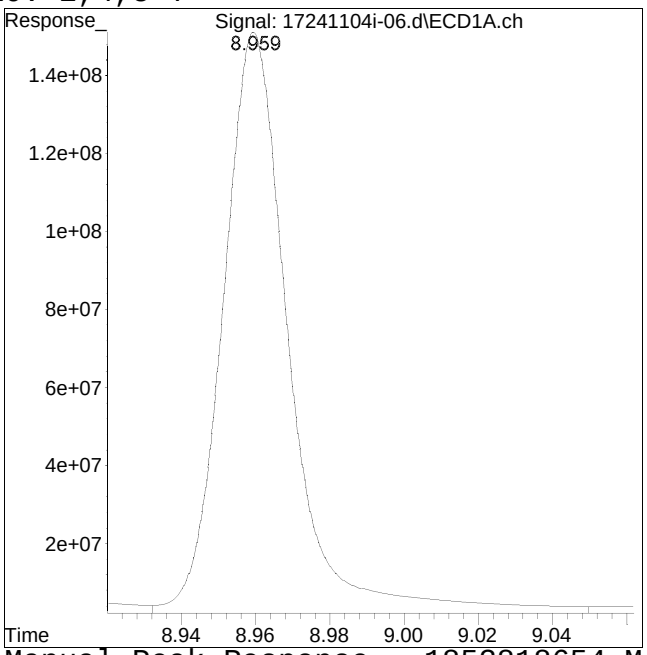
Original Peak Response = 2097675000 Manual Peak Response = 2042698309 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-06.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 9:53 Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 11/5/2024 4:08 pm

Compound #10: 2,4,5-T



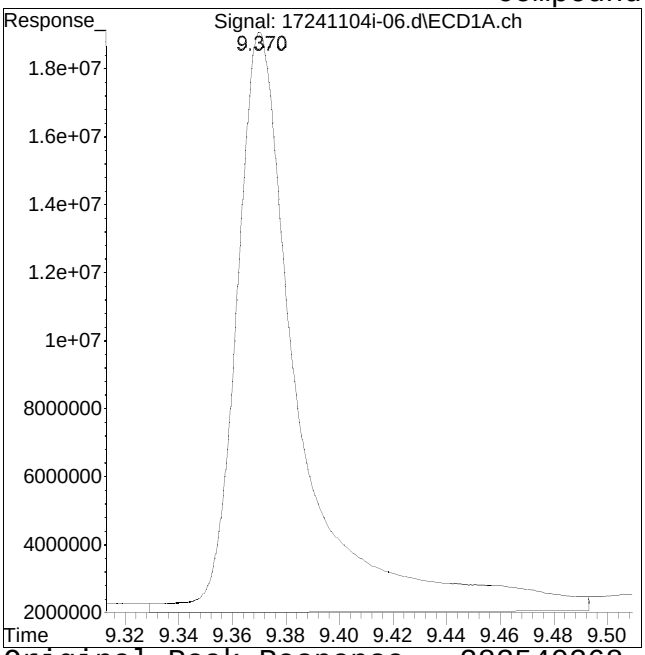


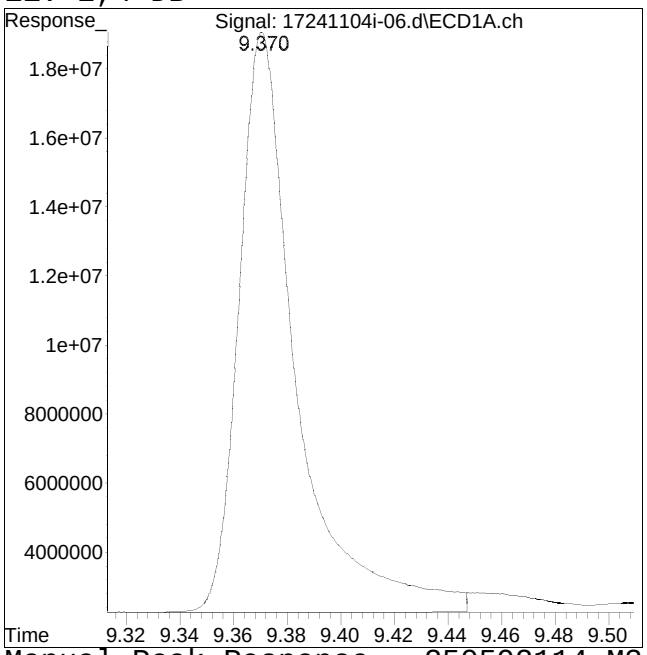
Original Peak Response = 1887338982 Manual Peak Response = 1853818654 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-06.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 9:53 Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 11/5/2024 4:08 pm

Compound #11: 2,4-DB



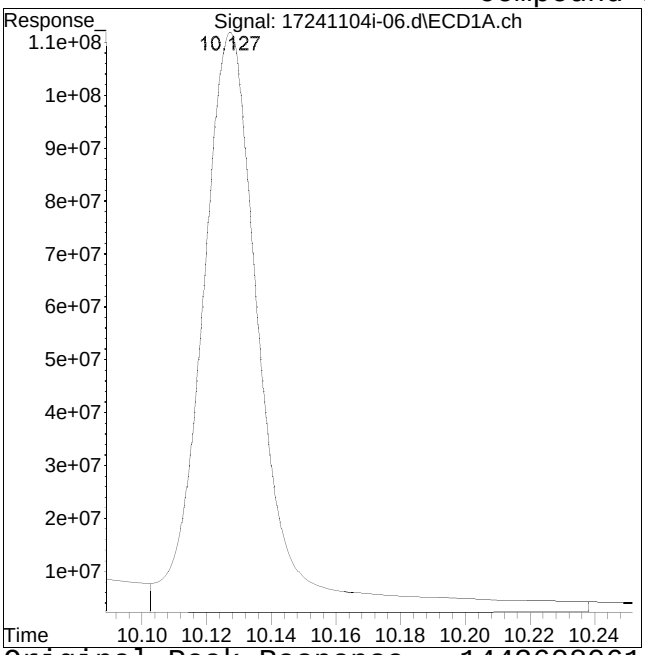


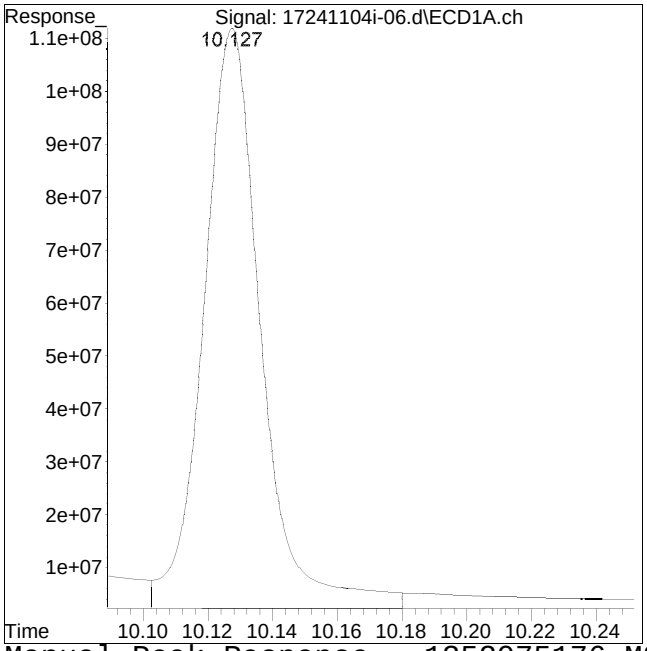
Original Peak Response = 283540368 Manual Peak Response = 250592114 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-06.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 9:53 Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 11/5/2024 4:08 pm

Compound #12: Dinoseb



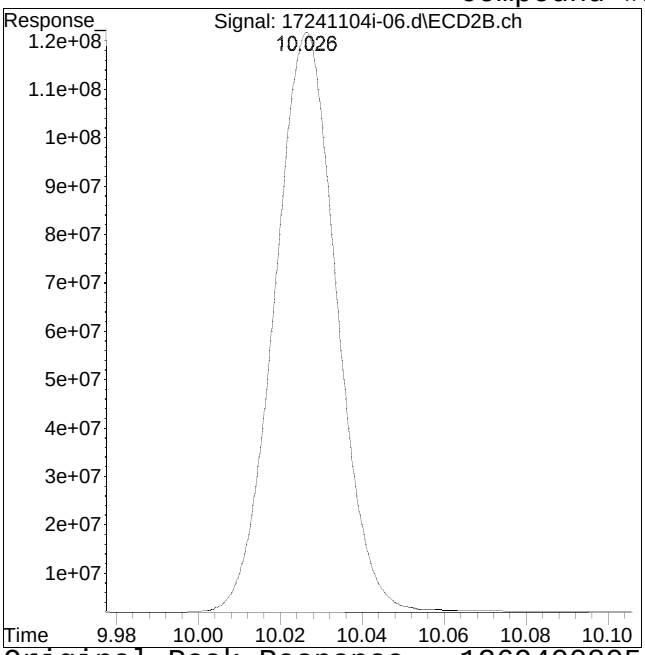


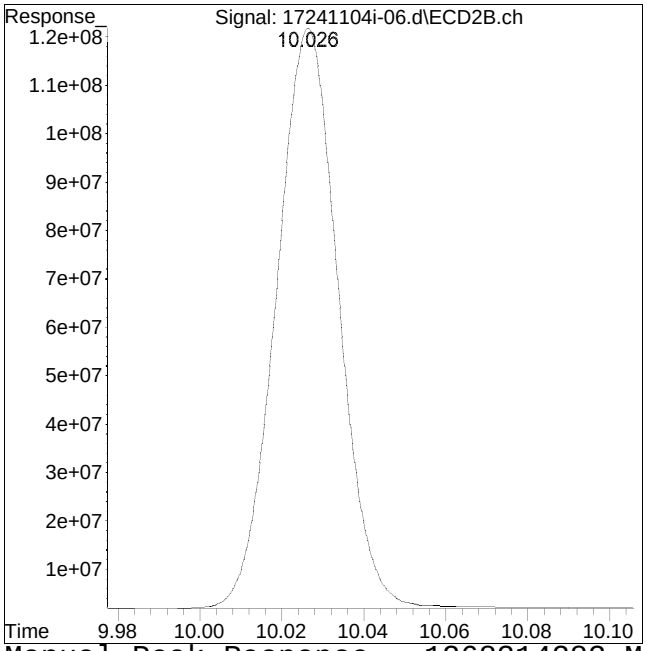
Original Peak Response = 1443608061 Manual Peak Response = 1352075176 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-06.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 9:53 Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 11/5/2024 4:08 pm

Compound #25: Dinoseb #2





Original Peak Response = 1269400805 Manual Peak Response = 1268314283 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:11
Operator : PEST17:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : wg1993691,,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: Nov 05 16:10:44 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 16:10:37 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	8.459	8.447	683.7E6	667.6E6	0.250M4	0.250
	System Monitoring Compounds						
3) s	DCAA (surrog	6.897	7.367	798.2E6	839.9E6	1.710	1.733
	Spiked Amount	0.500	Range 30 - 150		Recovery =	342.00%#	346.60%#
	Target Compounds						
2) t	Dalapon	1.900	1.913	943.6E6	897.2E6	1.795	1.739
4) t	Dicamba	7.082	7.548	2782.2E6	2748.0E6	1.820M4	1.836M4
5) t	MCPP	7.292	7.666	302.0E6	331.3E6	183.373M4	187.040
6) t	MCPA	7.439	7.894	442.1E6	485.4E6	165.879	172.040M4
7) t	Dichloroprop	7.792	8.208	782.3E6	793.9E6	1.711	1.734M3
8) t	2,4-D	8.001	8.484	957.7E6	1027.4E6	1.825	1.776
9) t	2,4,5-TP (Si	8.729	9.146	3906.9E6	4094.9E6	1.851M4	1.883M3
10) t	2,4,5-T	8.948	9.435	3752.4E6	3906.0E6	1.896M4	1.877M4
11) t	2,4-DB	9.359	9.798	504.5E6	582.7E6	2.204M3	2.056M3
12) t	Dinoseb	10.117	10.023	2708.2E6	2507.1E6	1.752M3	1.860M4

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.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:11
Operator : PEST17:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : wg1993691,,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: Nov 05 16:10:44 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 16:10:37 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

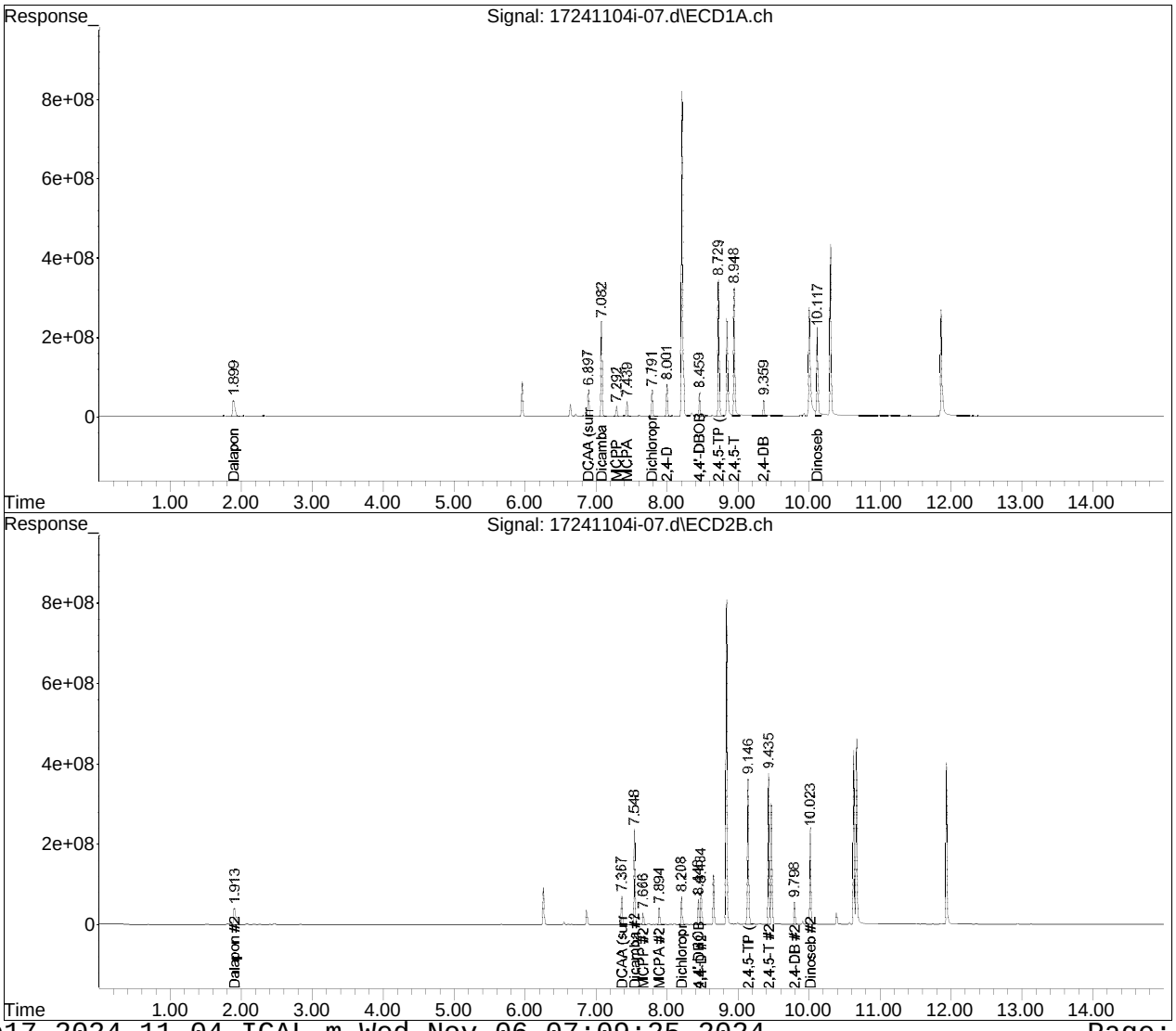
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:11
Operator : PEST17:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : wg1993691,,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: Nov 05 16:10:44 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 16:10:37 2024
Response via : Initial Calibration
Integrator: ChemStation

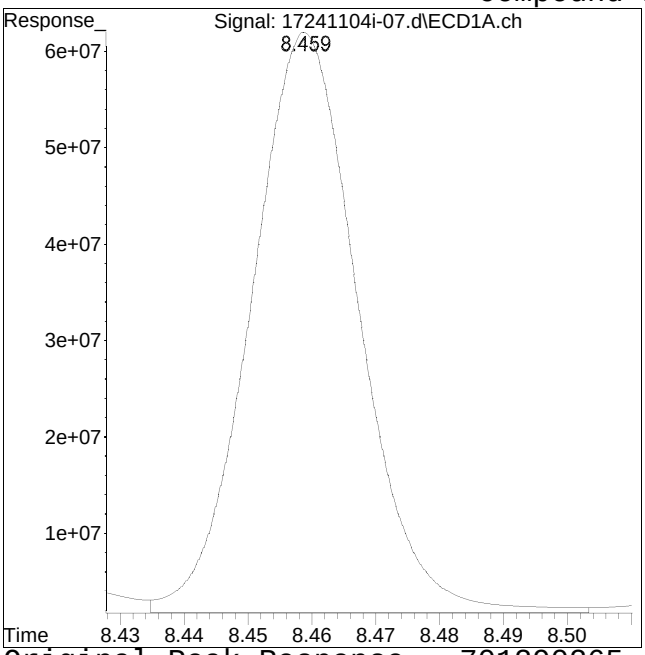
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

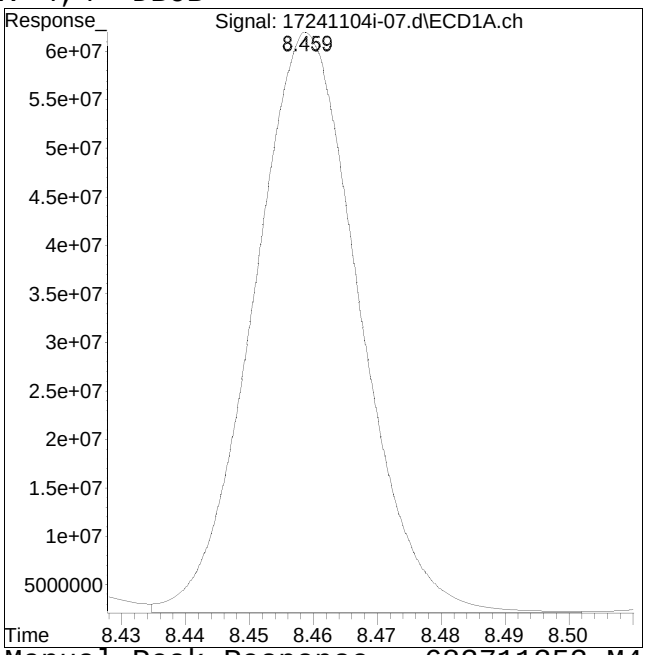


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #1: 4,4'-DBOB



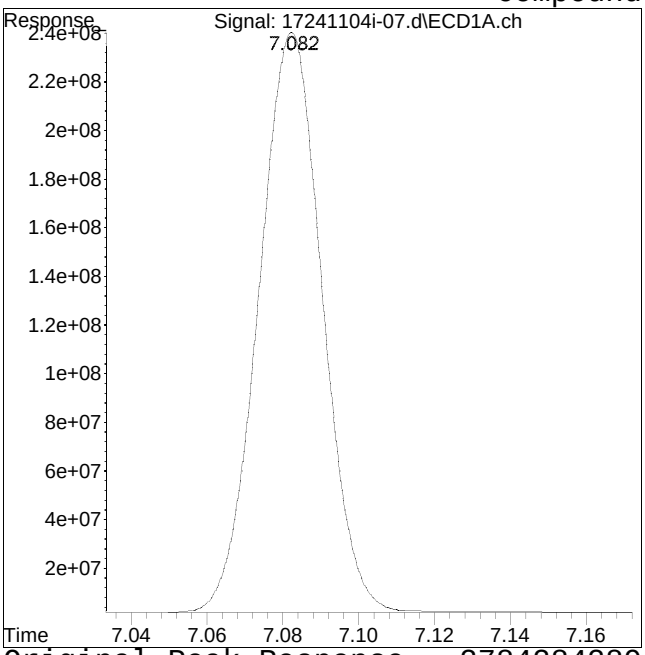


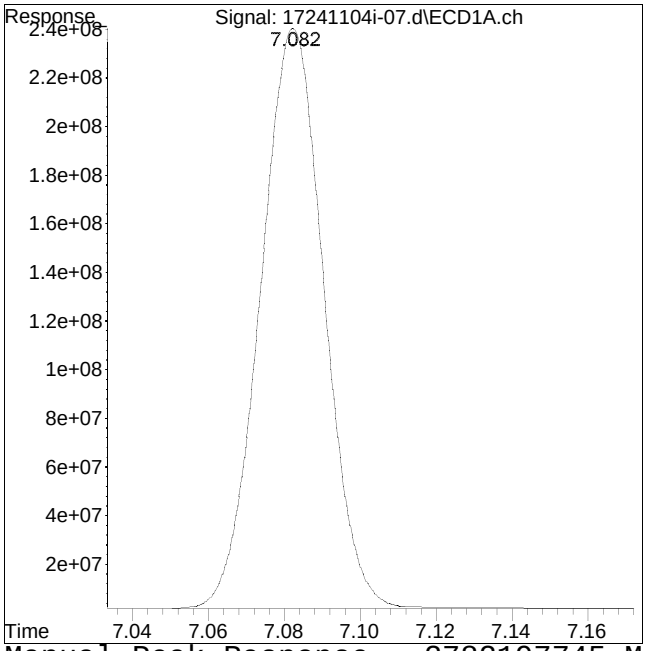
Original Peak Response = 701290265 Manual Peak Response = 683711353 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #4: Dicamba



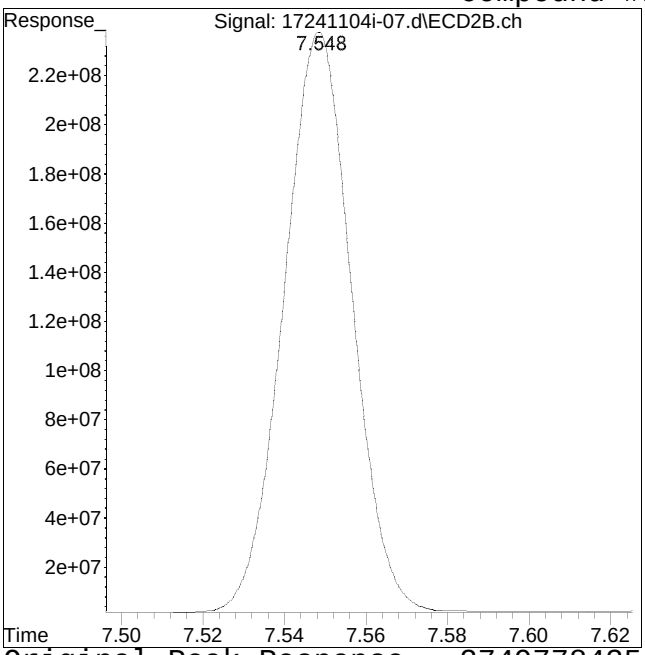


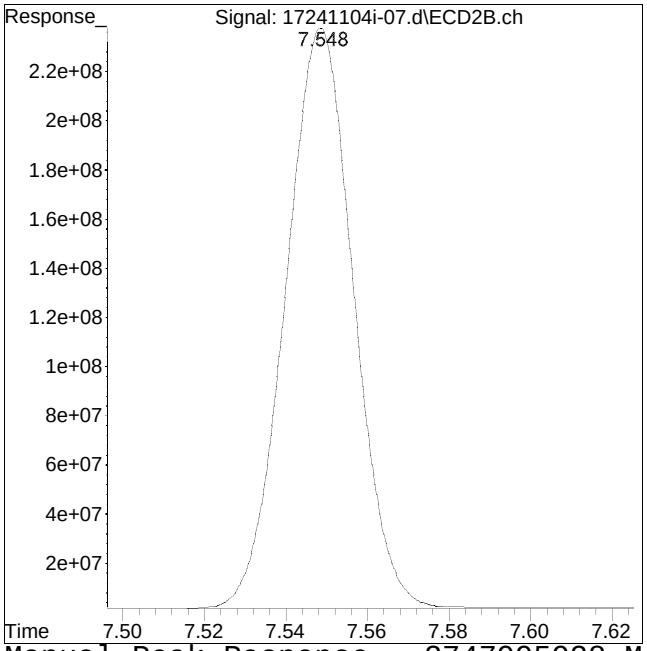
Original Peak Response = 2784284289 Manual Peak Response = 2782197745 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #17: Dicamba #2



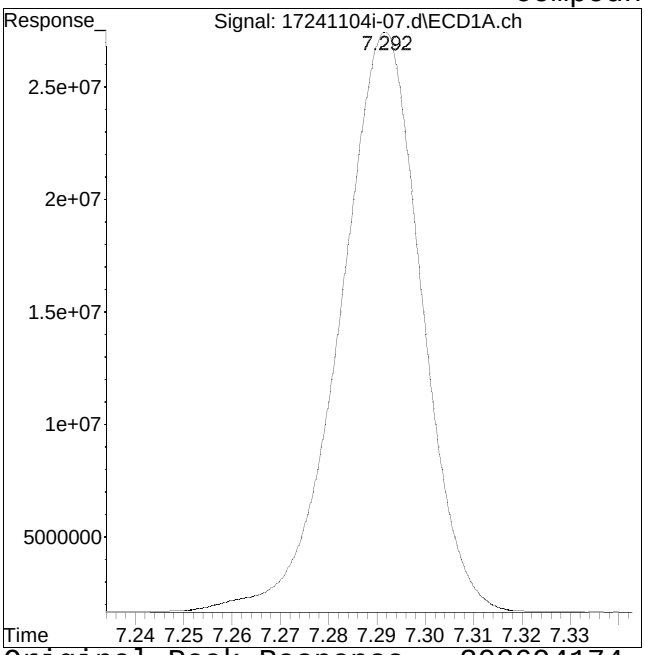


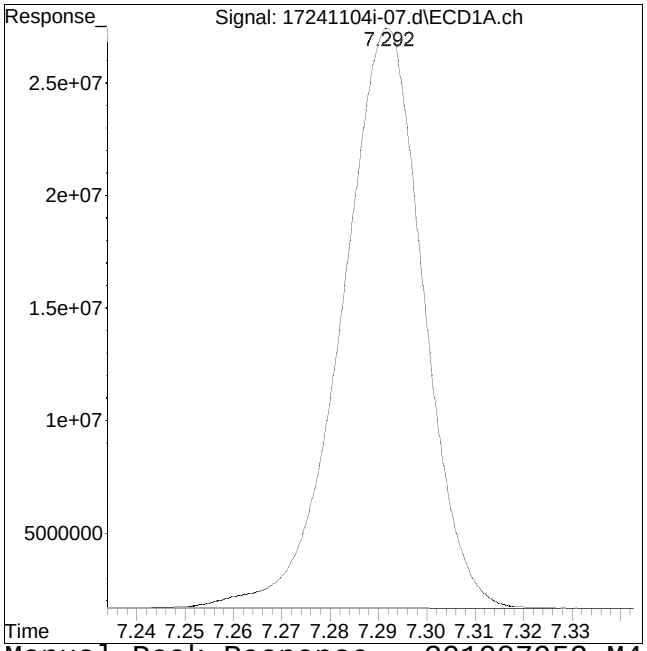
Original Peak Response = 2749778435 Manual Peak Response = 2747995928 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #5: MCPP



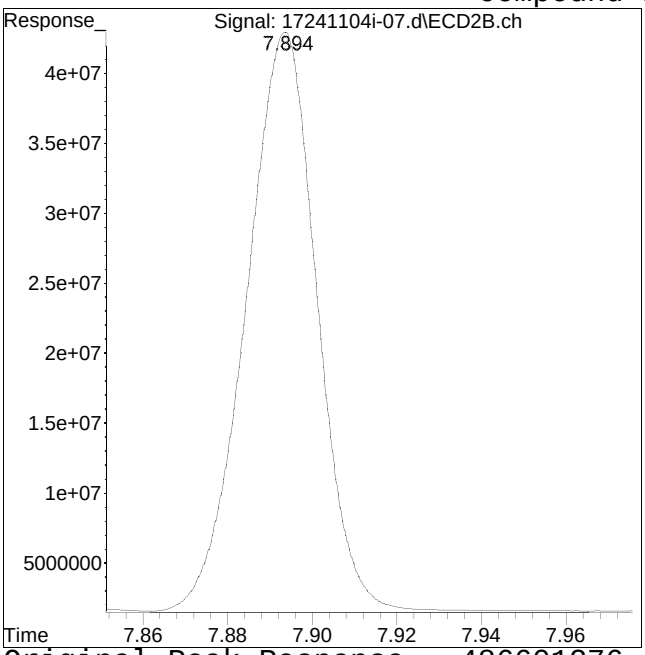


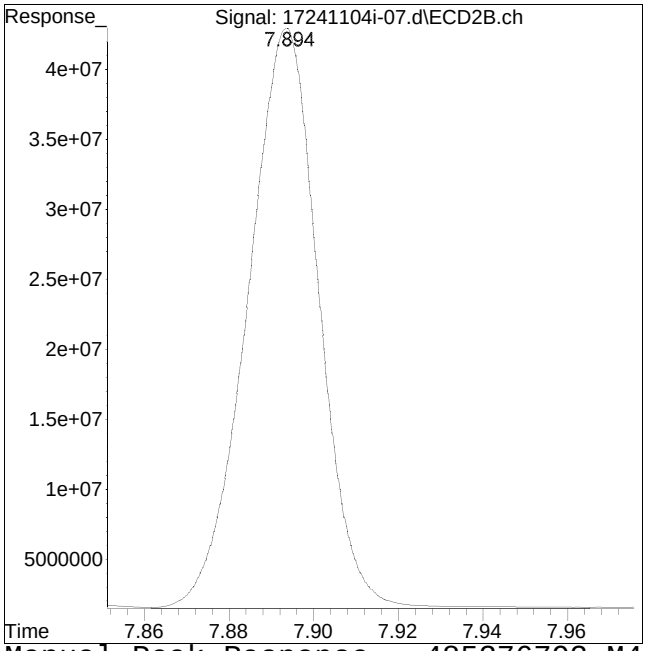
Original Peak Response = 302694174 Manual Peak Response = 301987952 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #19: MCPA #2



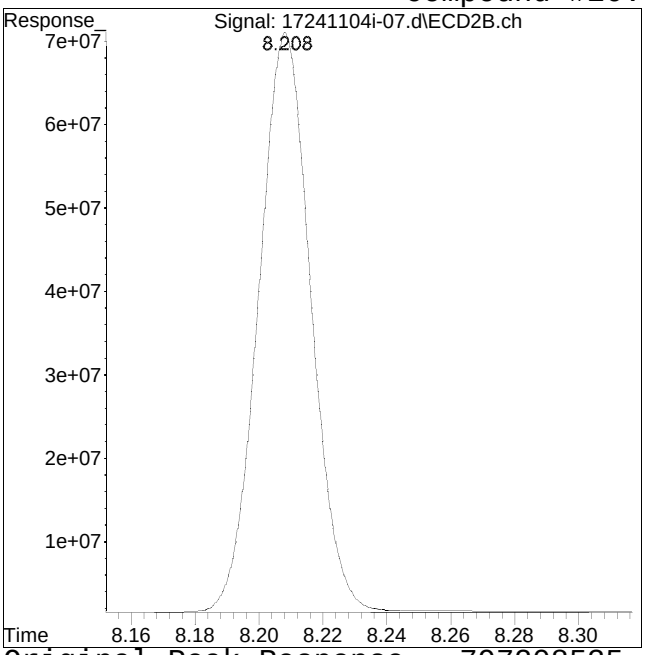


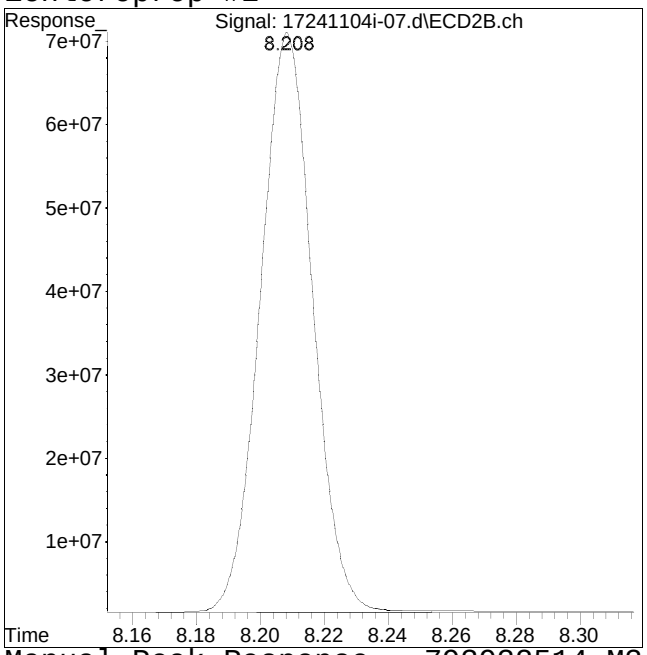
Original Peak Response = 486601276 Manual Peak Response = 485376793 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #20: Dichloroprop #2



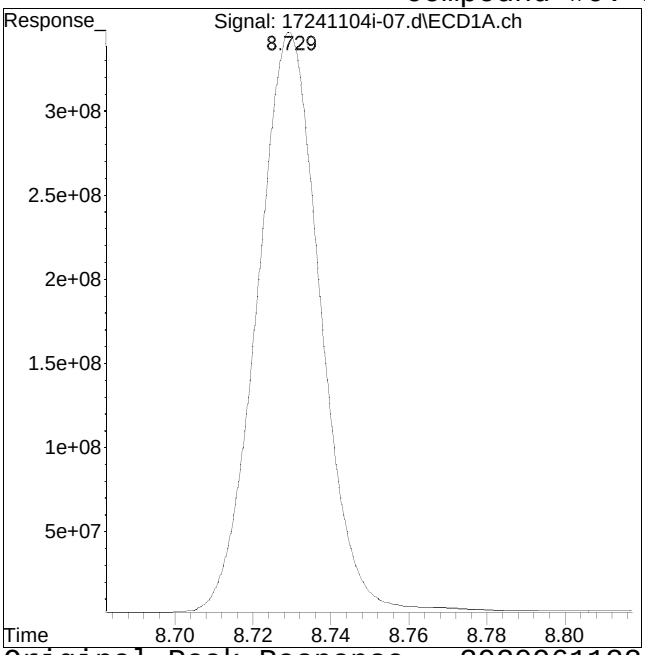


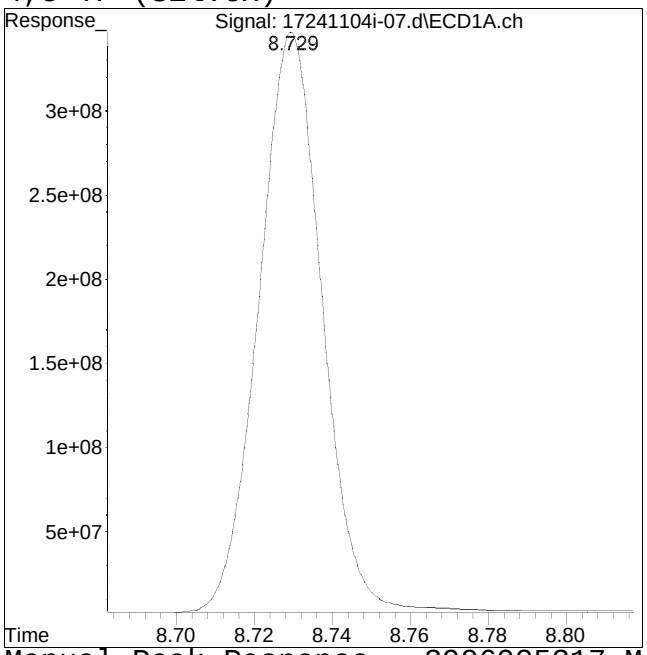
Original Peak Response = 797208535 Manual Peak Response = 793932514 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #9: 2,4,5-TP (Silvex)



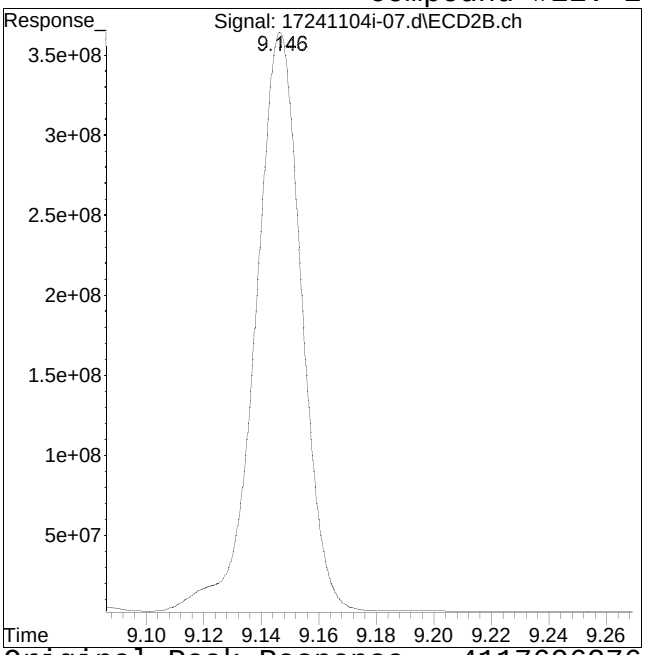


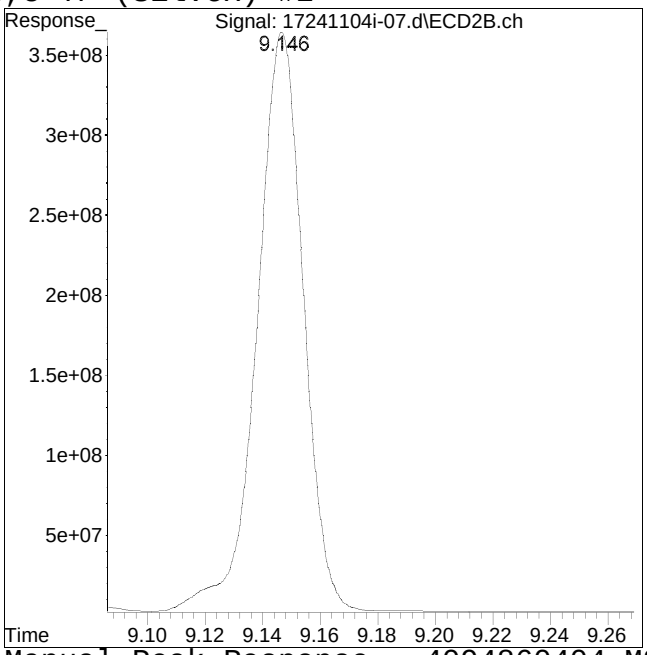
Original Peak Response = 3920961122 Manual Peak Response = 3906925317 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #22: 2,4,5-TP (Silvex) #2



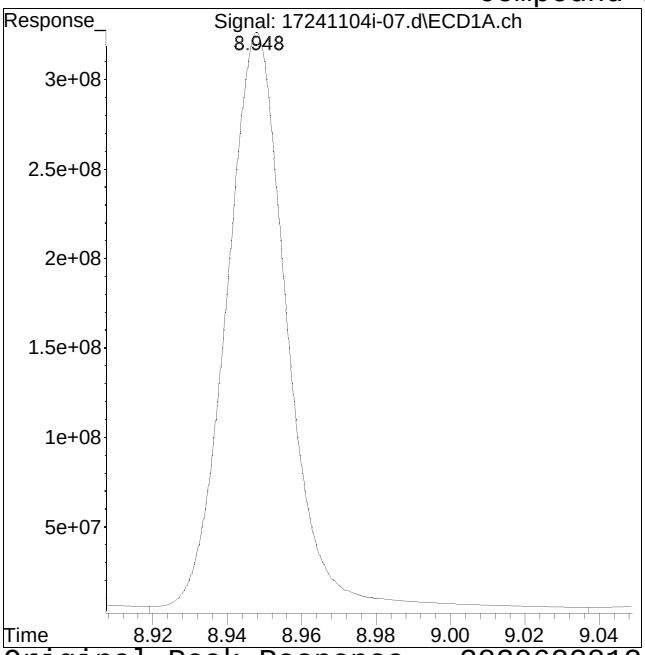


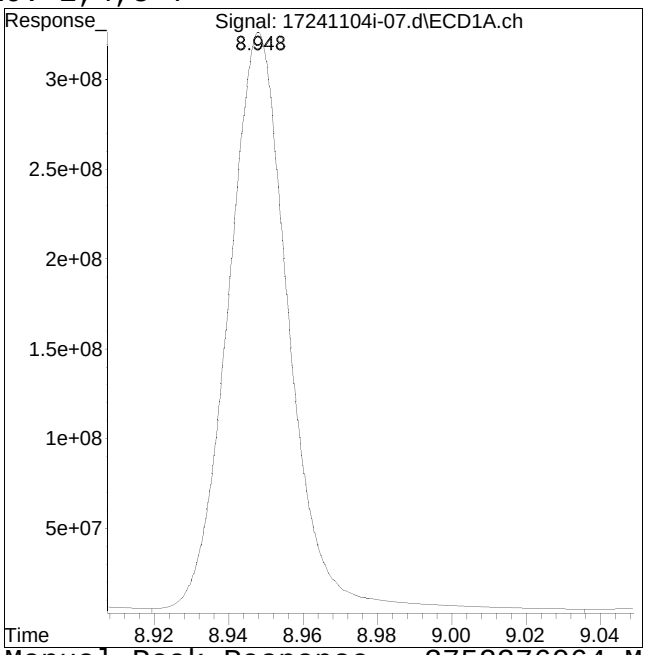
Original Peak Response = 4117696276 Manual Peak Response = 4094860404 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #10: 2,4,5-T



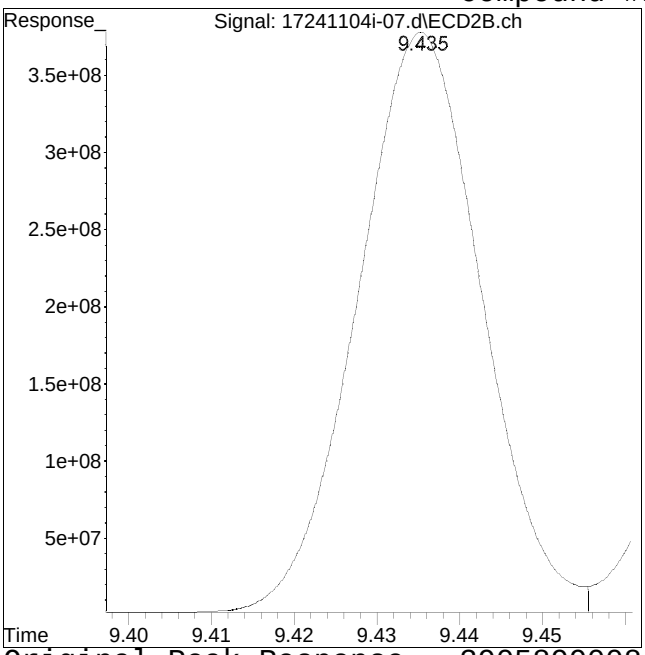


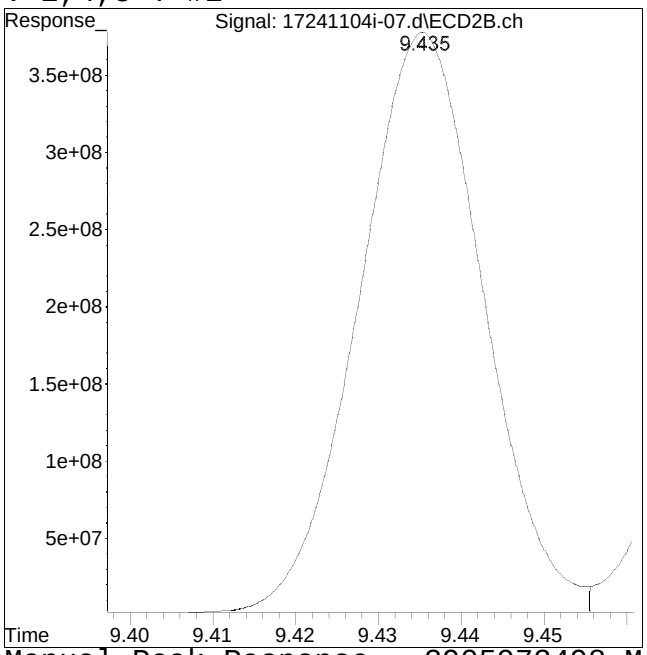
Original Peak Response = 3830622813 Manual Peak Response = 3752376064 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #23: 2,4,5-T #2



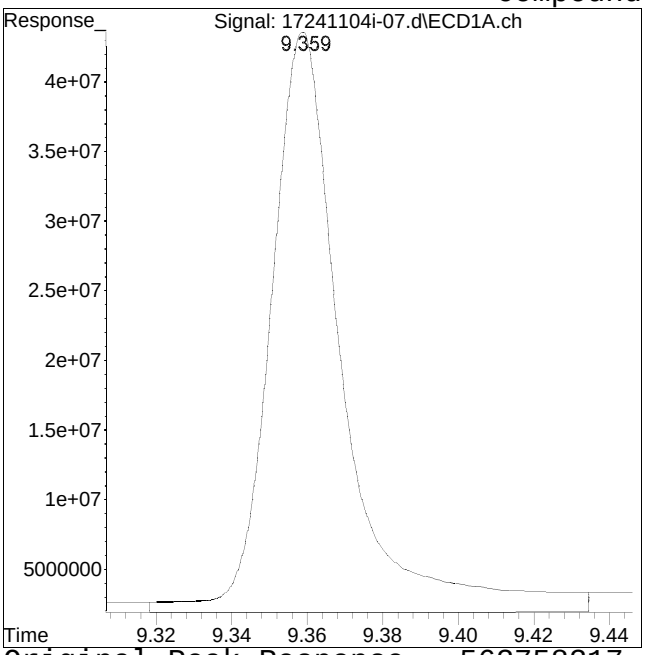


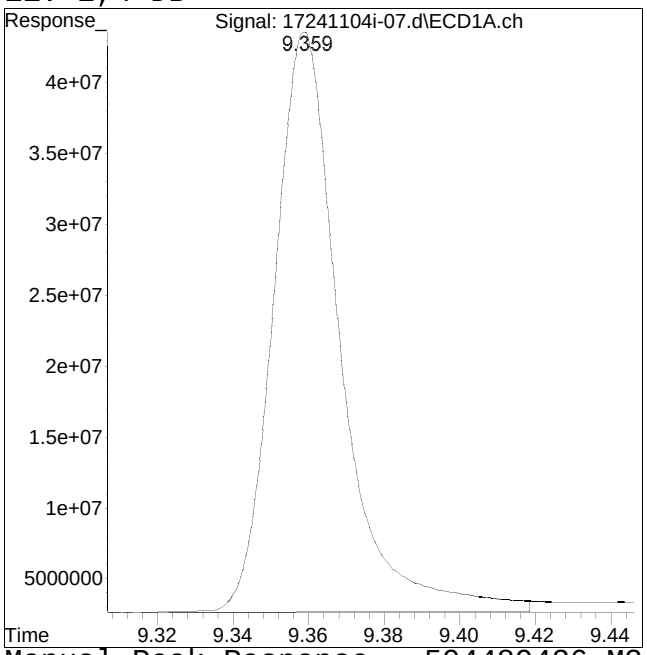
Original Peak Response = 3905899008 Manual Peak Response = 3905973498 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #11: 2,4-DB



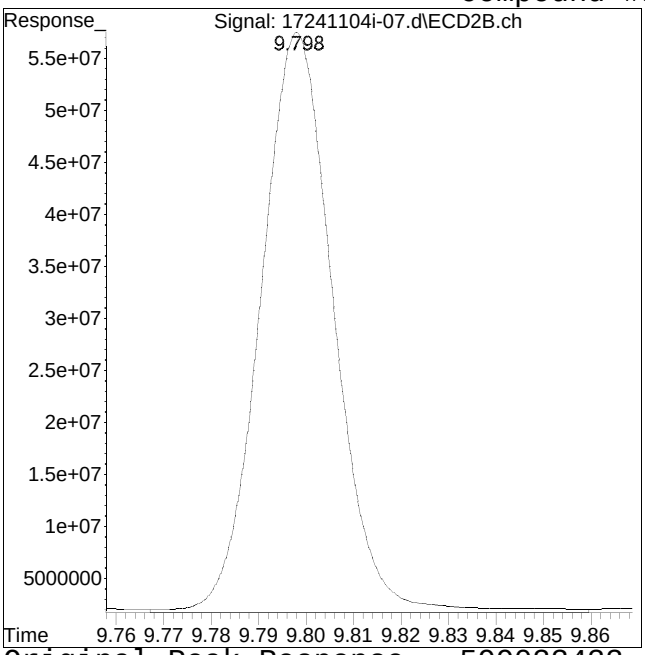


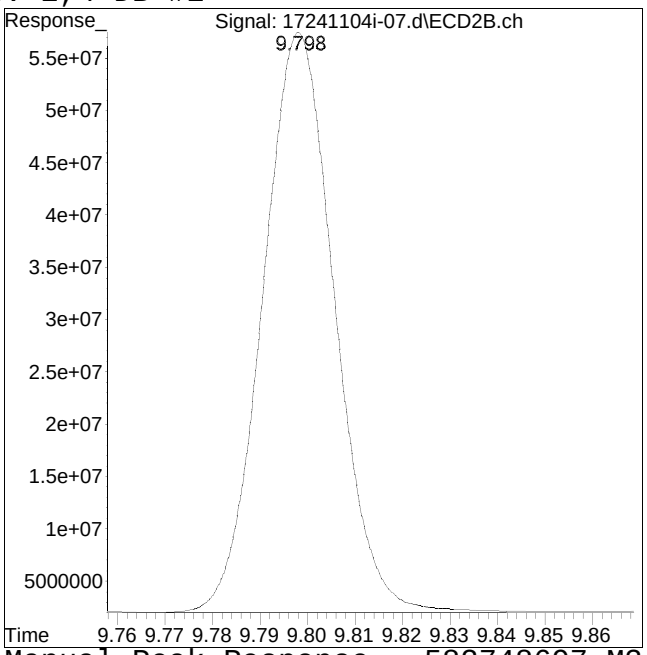
Original Peak Response = 563758317 Manual Peak Response = 504489426 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #24: 2,4-DB #2



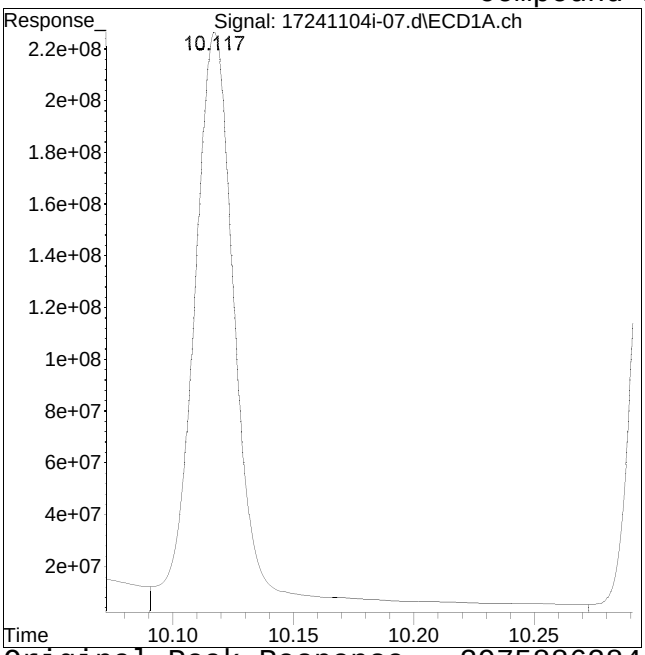


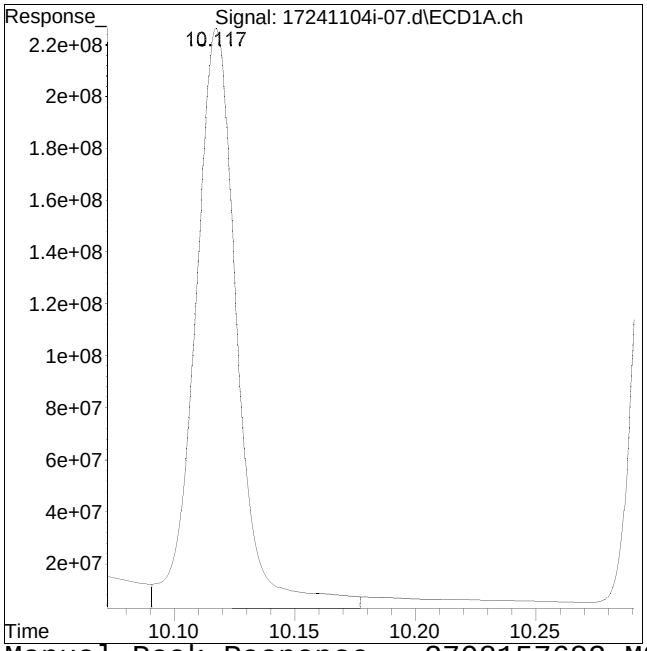
Original Peak Response = 599033433 Manual Peak Response = 582748697 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #12: Dinoseb



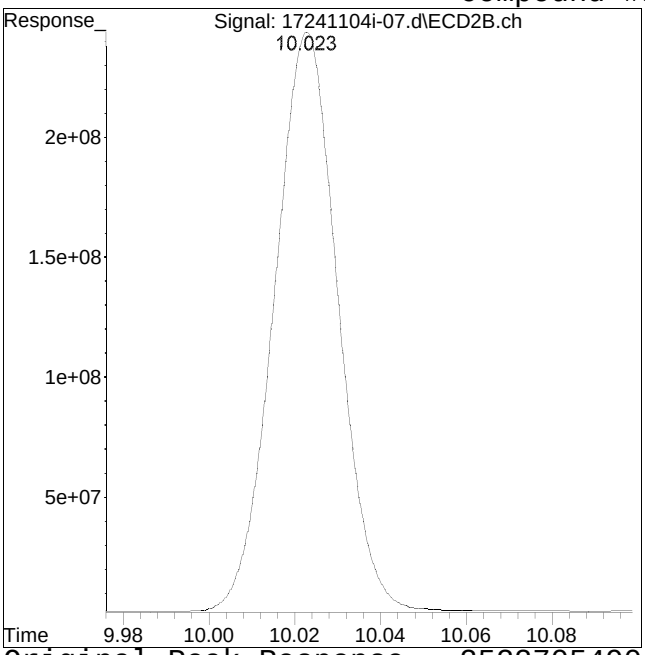


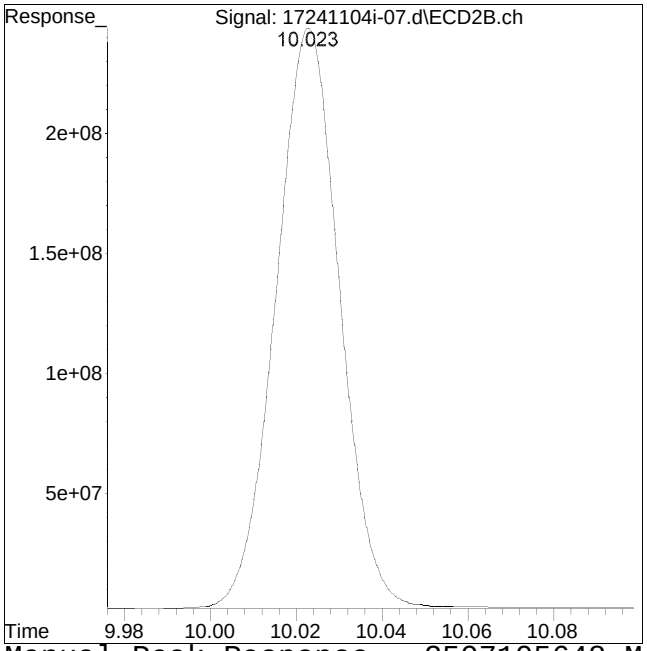
Original Peak Response = 2975886284 Manual Peak Response = 2708157683 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-07.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:11 Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 11/5/2024 4:10 pm

Compound #25: Dinoseb #2





Original Peak Response = 2522705490 Manual Peak Response = 2507105648 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024 10:29
Operator : PEST17:ejl
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : wg1993691,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 18:19:30 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 18:19:30 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	91	0.00
2	t	Dalapon	*	0.182	0.165	9.3	82	0.00
3	s	DCAA (surrogate)		0.180	0.179	0.6	88	0.00
4	t	Dicamba		0.576	0.569	1.2	89	0.00
5	t	MCPP		0.00061	0.00062	-1.6	90	0.00
6	t	MCPA		0.00103	0.00104	-1.0	87	0.00
7	t	Dichloroprop		0.176	0.187	-6.3	94	0.00
8	t	2,4-D		0.196	0.194	1.0	88	0.00
9	t	2,4,5-TP (Silvex)		0.777	0.760	2.2	87	0.00
10	t	2,4,5-T		0.721	0.738	-2.4	89	0.00
11	t	2,4-DB		0.081	0.071	12.3	86	0.00
12	t	Dinoseb		0.582	0.631	-8.4	95	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	90	0.00
2	t	Dalapon	*	0.182	0.173	4.9	85	0.00
3	s	DCAA (surrogate)		0.193	0.202	-4.7	92	0.00
4	t	Dicamba		0.579	0.578	0.2	89	0.00
5	t	MCPP		0.00066	0.00068	-3.0	89	0.00
6	t	MCPA		0.00113	0.00115	-1.8	89	0.00
7	t	Dichloroprop		0.182	0.197	-8.2	95	0.00
8	t	2,4-D		0.230	0.231	-0.4	89	0.00
9	t	2,4,5-TP (Silvex)		0.839	0.828	1.3	87	0.00
10	t	2,4,5-T		0.796	0.799	-0.4	89	0.00
11	t	2,4-DB		0.115	0.116	-0.9	88	0.00
12	t	Dinoseb		0.516	0.548	-6.2	94	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024 10:29
Operator : PEST17:ejl
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : wg1993691,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 18:19:30 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 18:19:30 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\241104ICAL\
Data File : 17241104i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:29
Operator : PEST17:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : wg1993691,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 18:19:30 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 18:19:30 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	8.456	8.445	607.1E6	610.5E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.894	7.366	81738039	92547247	0.187M4	0.196
		Spiked Amount 0.500	Range 30 - 150		Recovery =		37.40%	39.20%
		Target Compounds						
2)	t	Dalapon	1.904	1.916	81174696	86090178	0.165	0.173M4
4)	t	Dicamba	7.079	7.546	259.6E6	265.6E6	0.186M4	0.188M3
5)	t	MCPP	7.285	7.661	28479269	31234785	19.384M4	19.240M4
6)	t	MCPA	7.432	7.888	46776713	52436253	18.692	18.946
7)	t	Dichloroprop	7.789	8.207	85399121	90449677	0.200M3	0.203
8)	t	2,4-D	7.999	8.482	88490627	106.0E6	0.186	0.189M4
9)	t	2,4,5-TP (Si	8.728	9.145	350.6E6	384.3E6	0.186	0.188M4
10)	t	2,4,5-T	8.946	9.434	340.3E6	370.7E6	0.194M4	0.191
11)	t	2,4-DB	9.361	9.798	33028561	54256707	0.168M4	0.194
12)	t	Dinoseb	10.115	10.022	291.1E6	254.3E6	0.206M3	0.202

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:29
Operator : PEST17:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : wg1993691,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 18:19:30 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 18:19:30 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

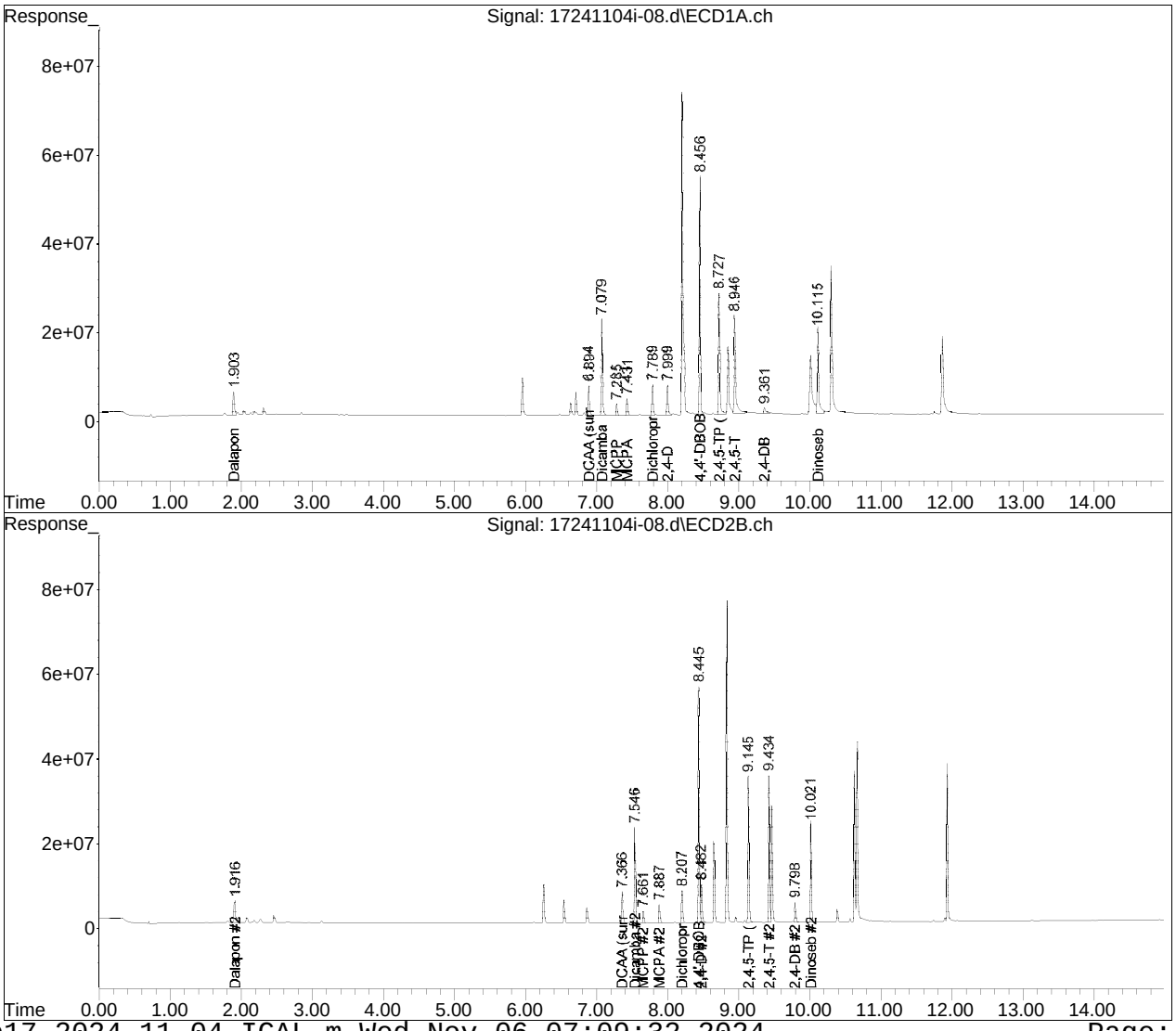
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\241104ICAL\
Data File : 17241104i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:29
Operator : PEST17:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : wg1993691,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 18:19:30 2024
Quant Method : I:\PEST\Pest17\2024\241104ICAL\Herb17_2024_11_04_ICAL.m
Quant Title : herb
QLast Update : Tue Nov 05 18:19:30 2024
Response via : Initial Calibration
Integrator: ChemStation

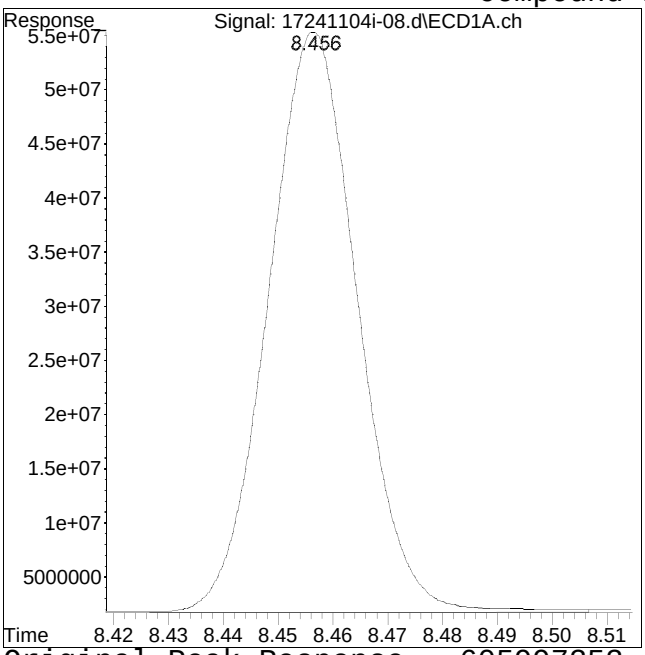
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

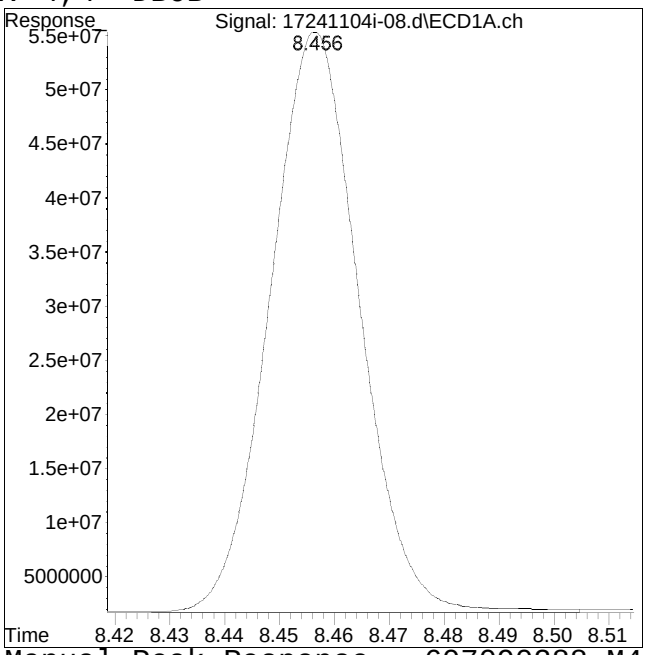


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #1: 4,4'-DBOB



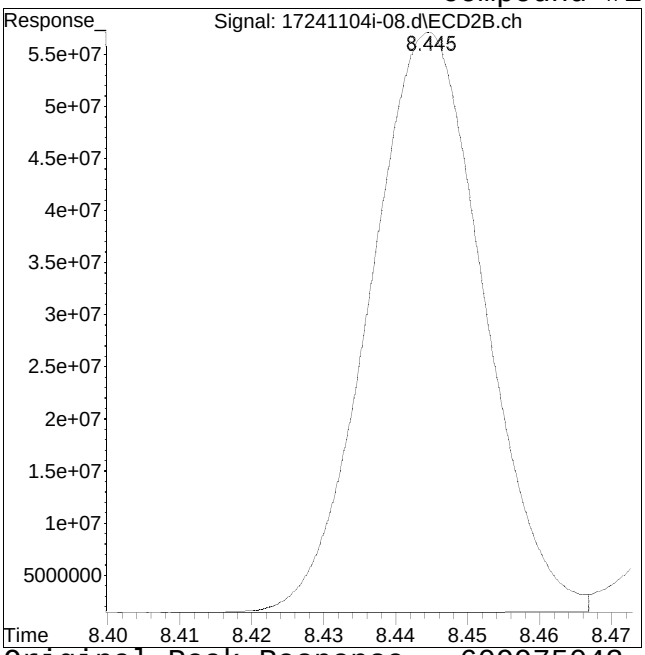


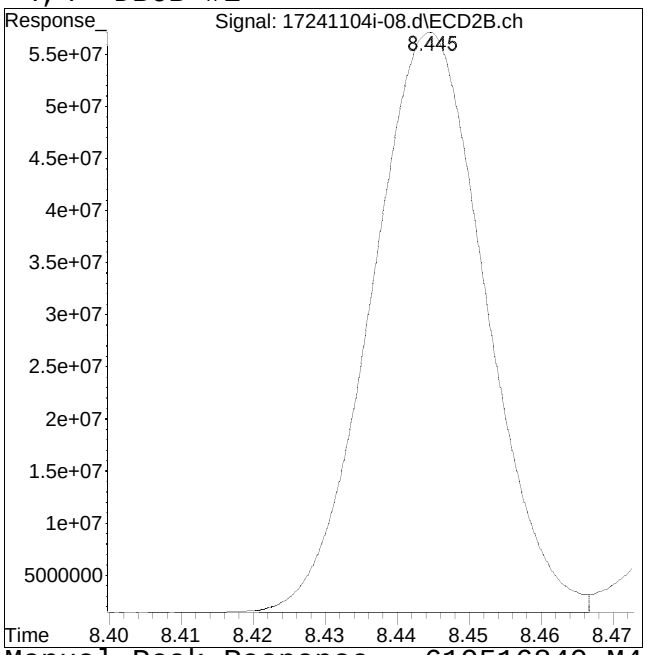
Original Peak Response = 605997353 Manual Peak Response = 607090288 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #14: 4,4'-DBOB #2



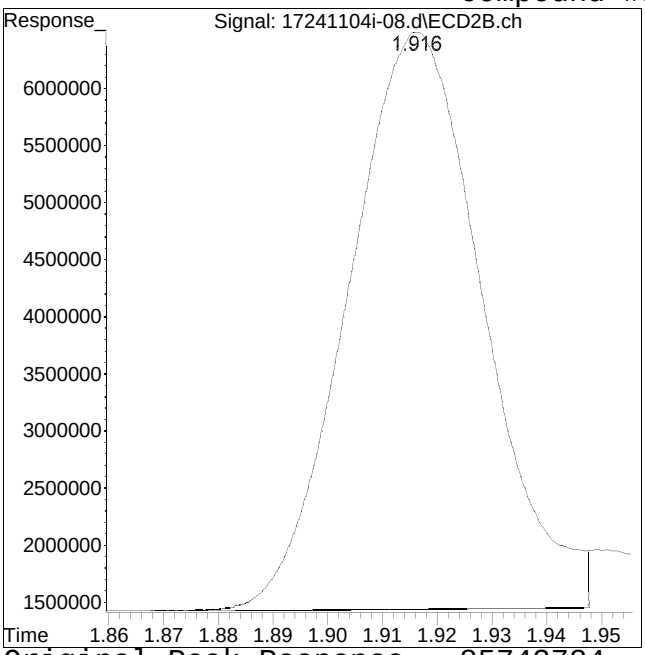


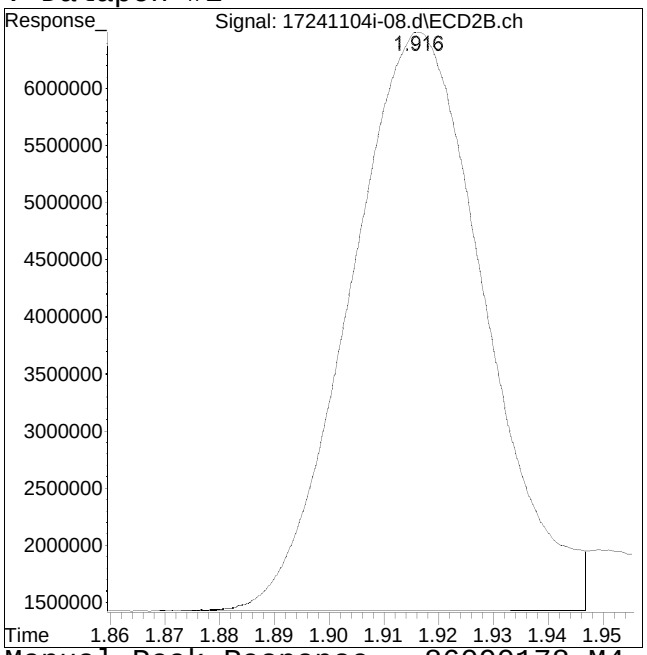
Original Peak Response = 609975043 Manual Peak Response = 610516840 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #15: Dalapon #2



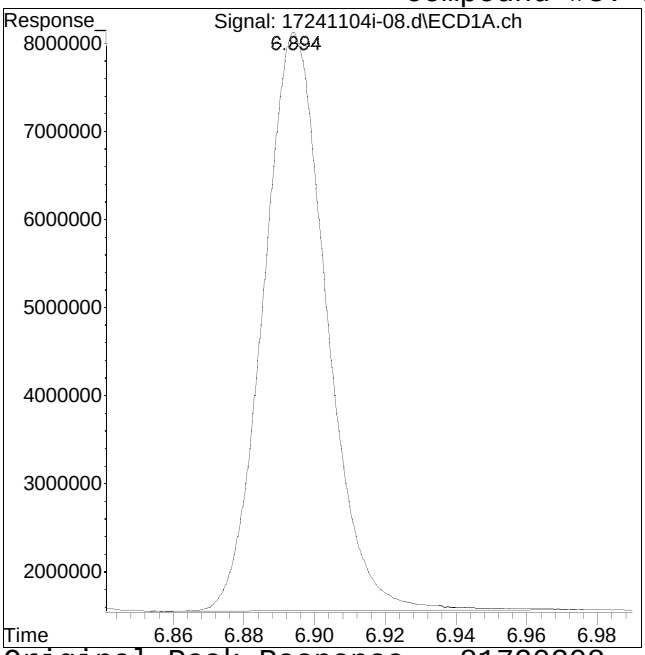


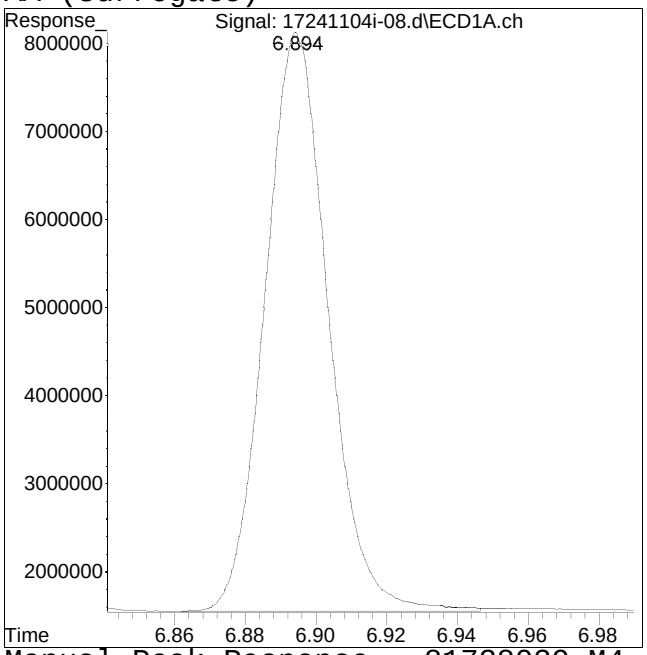
Original Peak Response = 85742724 Manual Peak Response = 86090178 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #3: DCAA (surrogate)



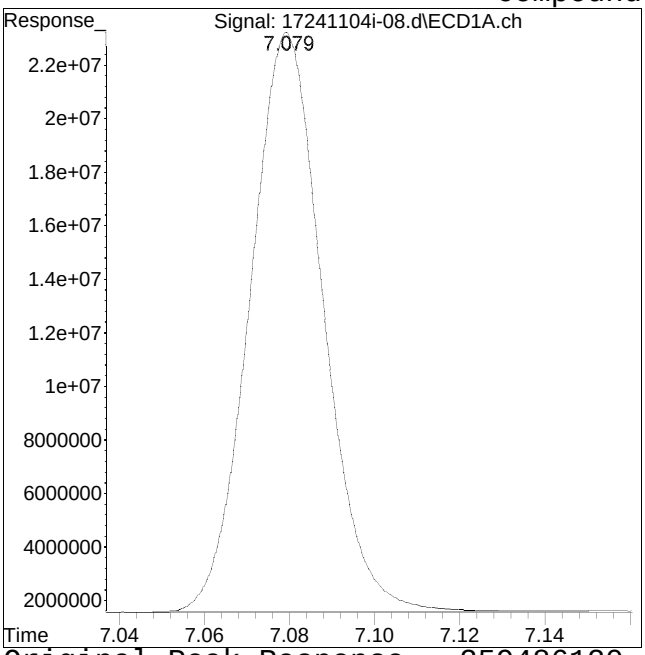


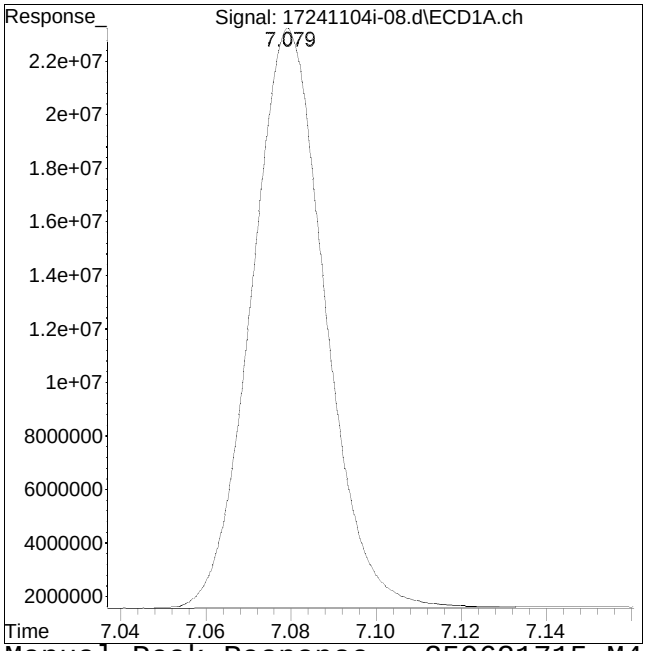
Original Peak Response = 81720298 Manual Peak Response = 81738039 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #4: Dicamba



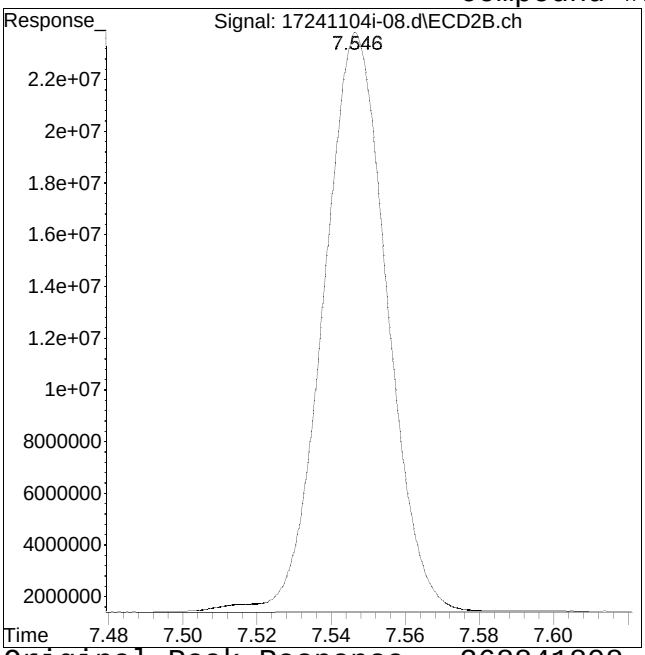


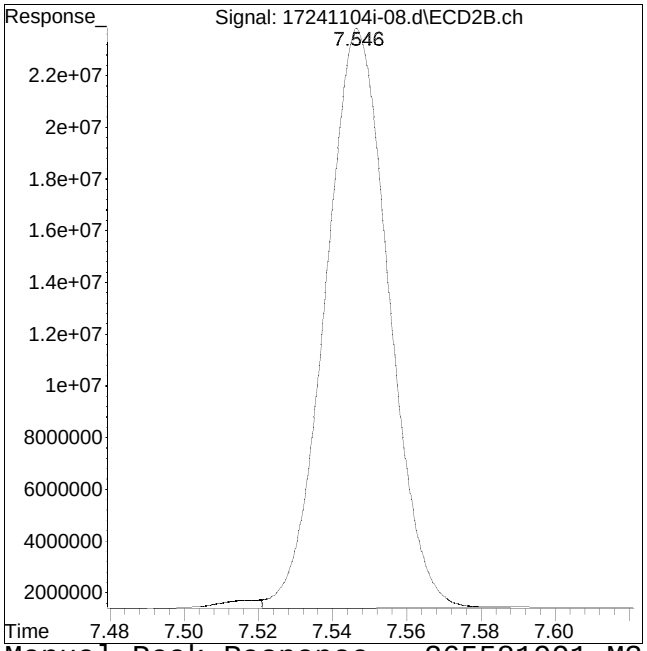
Original Peak Response = 259486120 Manual Peak Response = 259621715 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #17: Dicamba #2



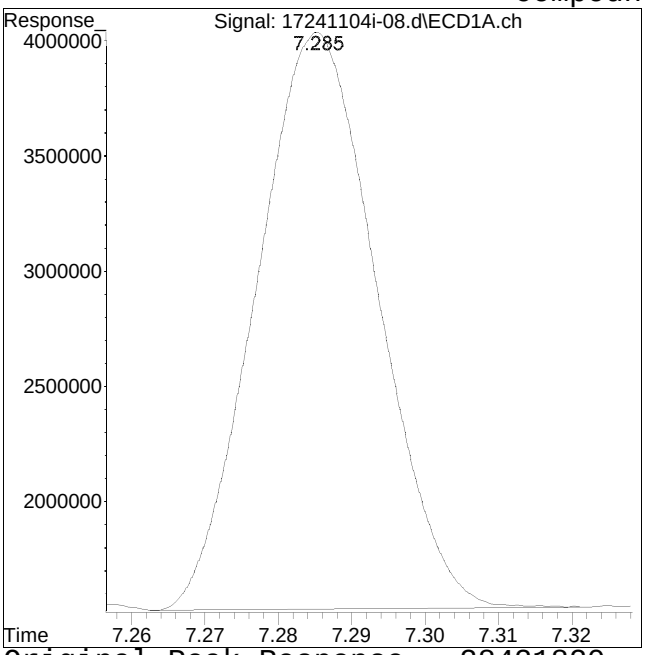


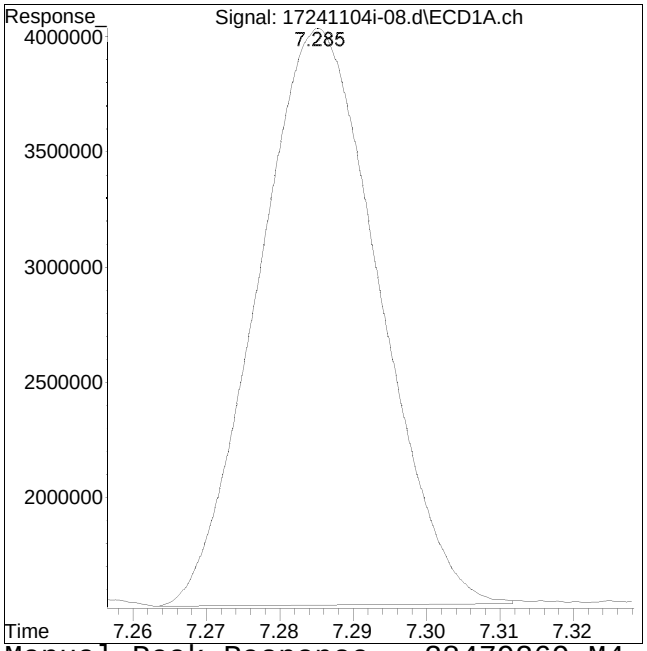
Original Peak Response = 268841808 Manual Peak Response = 265581991 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #5: MCPP



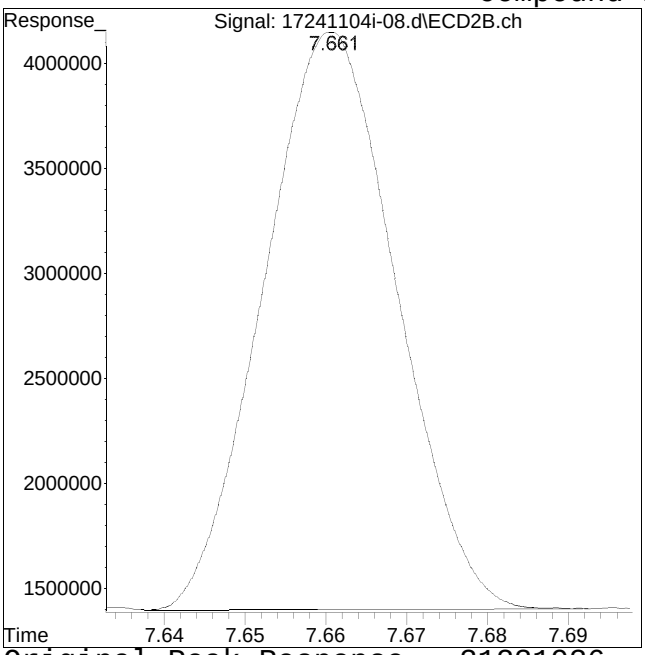


Original Peak Response = 28421820 Manual Peak Response = 28479269 M4
M4 = Poor automated baseline construction.

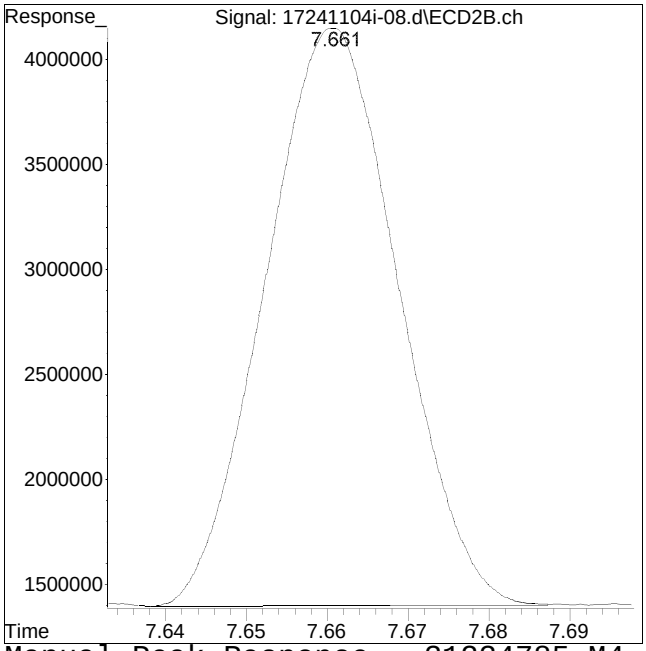
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #18: MCPP #2



Original Peak Response = 31231936



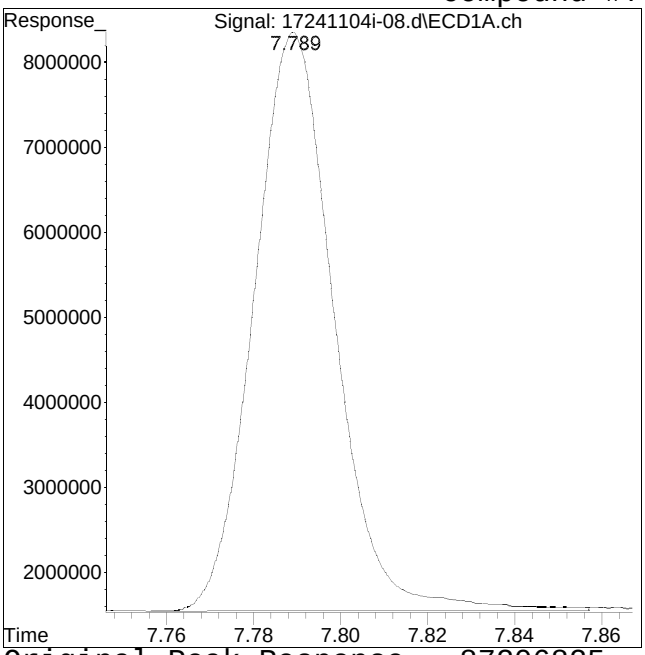
Manual Peak Response = 31234785 M4

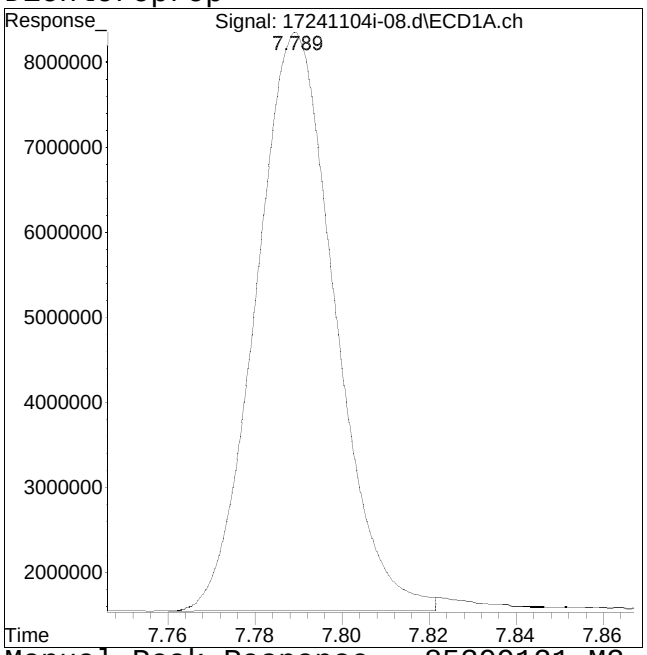
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #7: Dichloroprop



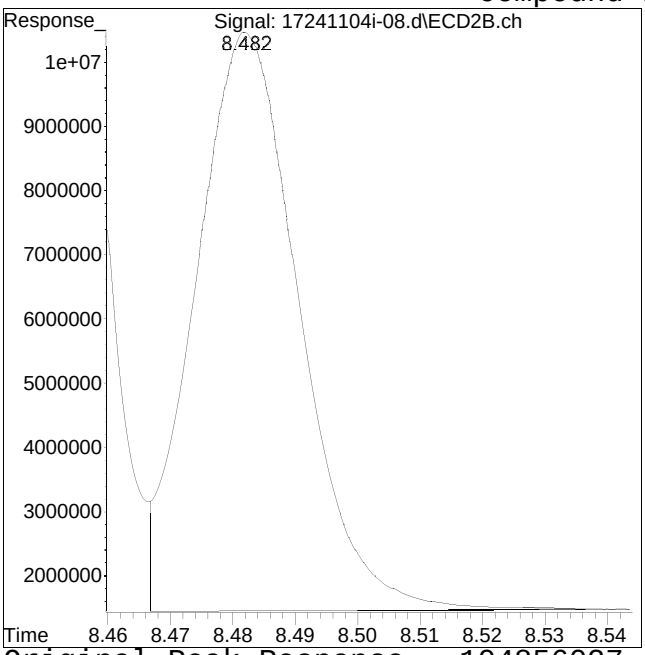


Original Peak Response = 87206825 Manual Peak Response = 85399121 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

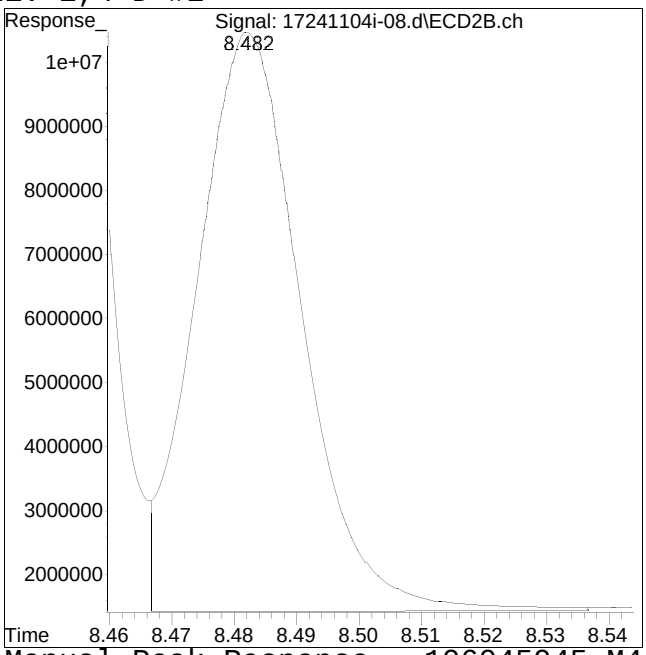
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #21: 2,4-D #2



Original Peak Response = 104856027

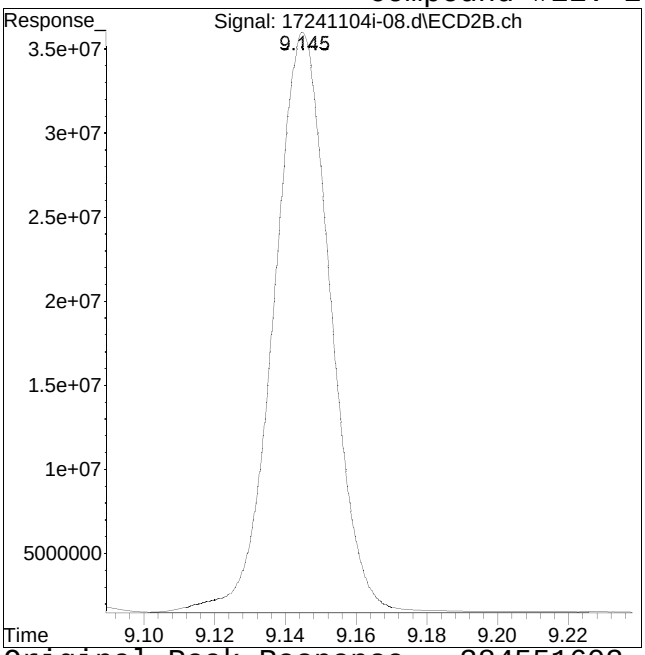


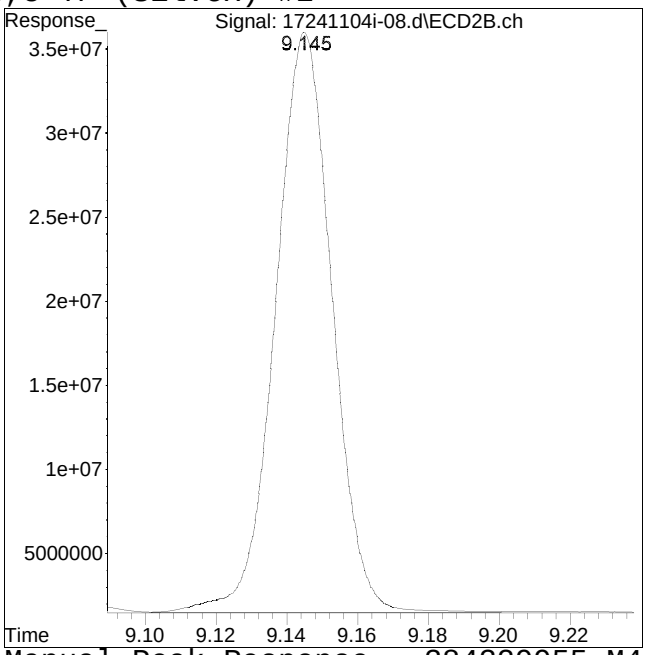
Manual Peak Response = 106045945 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #22: 2,4,5-TP (Silvex) #2



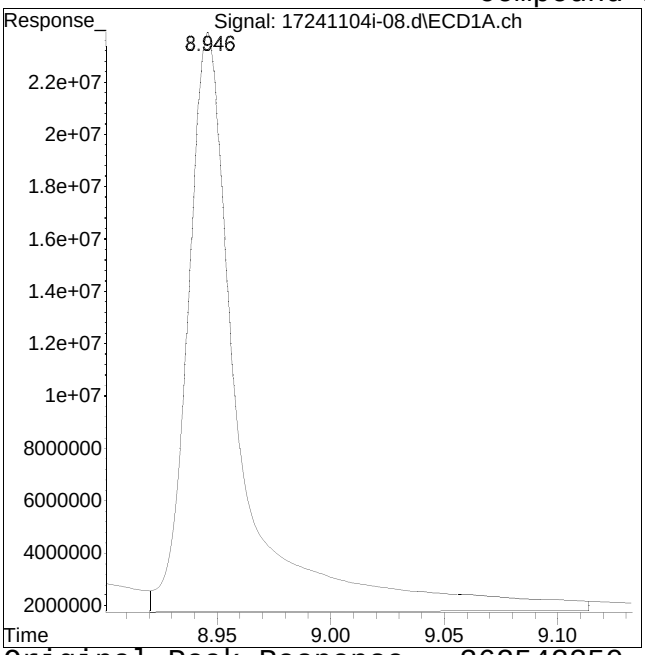


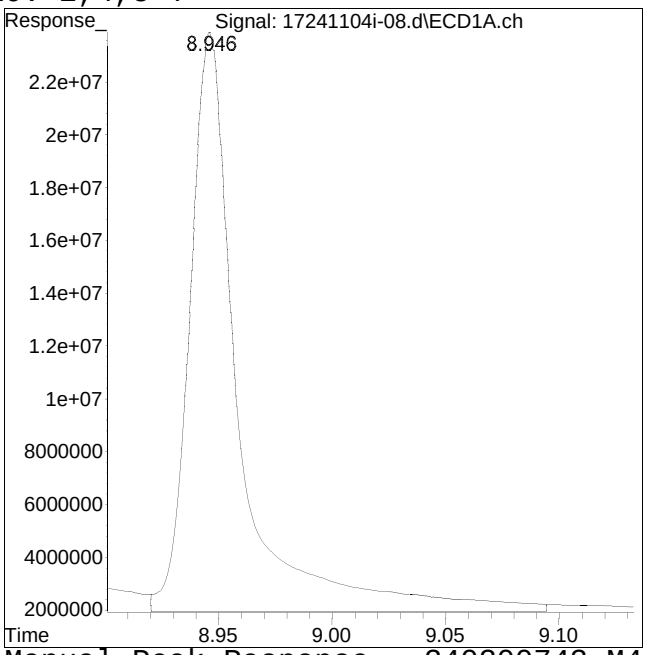
Original Peak Response = 384551603 Manual Peak Response = 384329955 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #10: 2,4,5-T



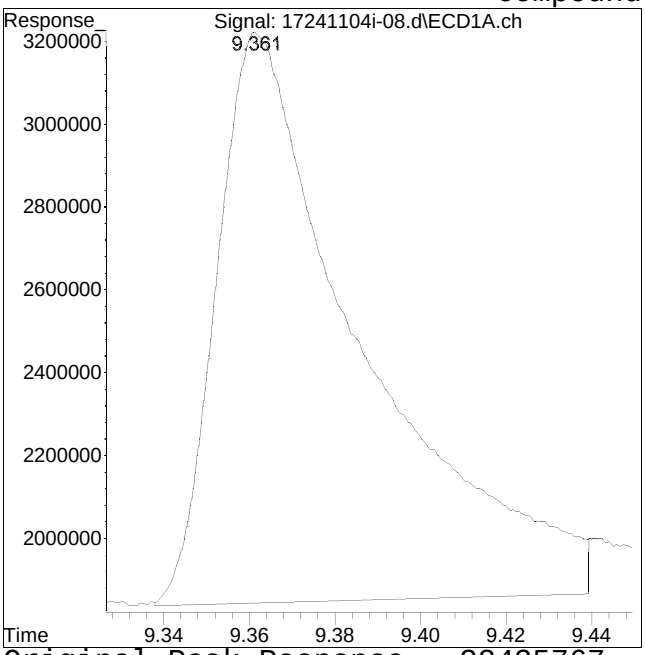


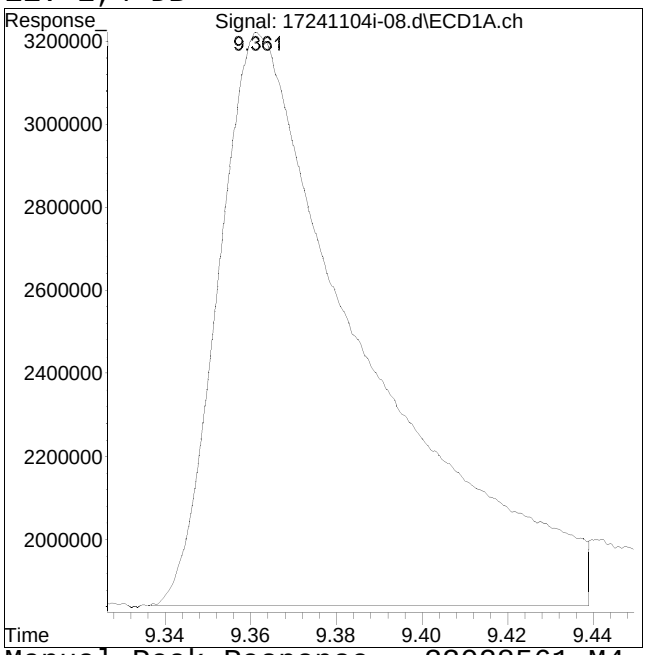
Original Peak Response = 362542350 Manual Peak Response = 340300743 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #11: 2,4-DB



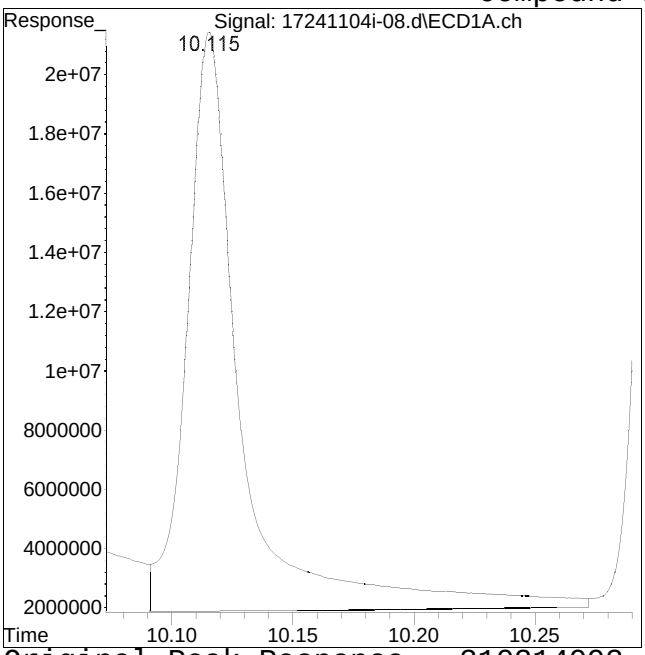


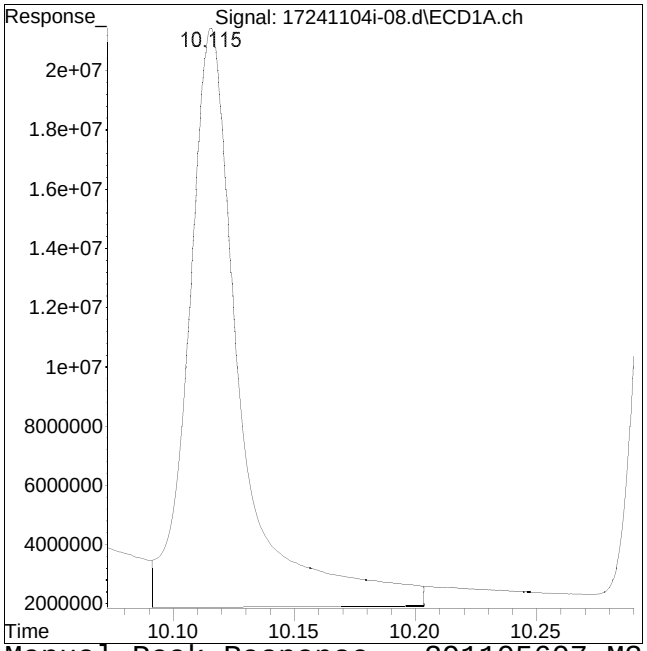
Original Peak Response = 32435767 Manual Peak Response = 33028561 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241104QMethod : Herb17_2024_11_04_ICAL.m
Data File : 17241104i-08.d Operator : PEST17:ejl
Date Inj'd : 11/4/2024 10:29 Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 11/5/2024 6:19 pm

Compound #12: Dinoseb





Original Peak Response = 310314993 Manual Peak Response = 291105607 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 Pest 17

Method Path : I:\PEST\Pest17\2024\241104ICAL\
Method File : Herb17_2024_11_04_ICAL.m
Title : herb
Last Update : Tue Nov 05 18:19:18 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
2	T Dalapon	L	mg/l	0.2	0.183	0.5	0.05	0.044	-3.3
15	T Dalapon #2	L	mg/l	0.2	0.183	0.5	0.05	0.043	-5.5

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
2	T Dalapon	Linear	0.999539	0.000000	0.185974	0.0106717
15	T Dalapon #2	Linear	0.999502	0.000000	0.181535	0.0153956

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: PEST17	**Calibration Date**	: 11/21/24 23:38		
Lab File ID	: 17241121a-31	**Init. Calib. Date(s)**	: 11/04/24	11/04/24	
Sample No	: WG2000365-3	**Init. Calib. Times**	: 05:40	10:11	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	100	0
Dalapon	0.182	0.181	-	0.5	15	99	0
DCAA (surrogate)	0.18	0.184	-	-2.2	15	101	0
Dicamba	0.576	0.529	-	8.2	15	92	0
MCPP	0.00061	0.00059	-	3.3	15	95	0
MCPA	0.00103	0.00103	-	0	15	96	0
Dichloroprop	0.176	0.168	-	4.5	15	94	0
2,4-D	0.196	0.188	-	4.1	15	95	0
2,4,5-TP (Silvex)	0.777	0.734	-	5.5	15	93	0
2,4,5-T	0.721	0.702	-	2.6	15	94	0
2,4-DB	0.081	0.084	-	-3.7	15	113	0
Dinoseb	0.582	0.572	-	1.7	15	96	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: PEST17	**Calibration Date**	: 11/21/24 23:38		
Lab File ID	: 17241121a-31	**Init. Calib. Date(s)**	: 11/04/24	11/04/24	
Sample No	: WG2000365-3	**Init. Calib. Times**	: 05:40	10:11	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	102	0
Dalapon	0.182	0.186	-	-2.2	15	102	0
DCAA (surrogate)	0.193	0.195	-	-1	15	100	0
Dicamba	0.579	0.536	-	7.4	15	93	0
MCPP	0.00066	0.00063	-	4.5	15	93	0
MCPA	0.00113	0.00109	-	3.5	15	95	0
Dichloroprop	0.182	0.171	-	6	15	93	0
2,4-D	0.23	0.219	-	4.8	15	95	0
2,4,5-TP (Silvex)	0.839	0.774	-	7.7	15	92	0
2,4,5-T	0.796	0.733	-	7.9	15	92	0
2,4-DB	0.115	0.102	-	11.3	15	88	0
Dinoseb	0.516	0.5	-	3.1	15	97	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: PEST17	**Calibration Date**	: 11/23/24 12:01		
Lab File ID	: 17241121a-81	**Init. Calib. Date(s)**	: 11/04/24	11/04/24	
Sample No	: WG2000365-7	**Init. Calib. Times**	: 05:40	10:11	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	95	0
Dalapon	0.182	0.167	-	8.2	15	87	0
DCAA (surrogate)	0.18	0.19	-	-5.6	15	98	0
Dicamba	0.576	0.544	-	5.6	15	89	0
MCPP	0.00061	0.0006	-	1.6	15	91	0
MCPA	0.00103	0.00107	-	-3.9	15	94	0
Dichloroprop	0.176	0.174	-	1.1	15	92	0
2,4-D	0.196	0.202	-	-3.1	15	96	0
2,4,5-TP (Silvex)	0.777	0.787	-	-1.3	15	94	0
2,4,5-T	0.721	0.775	-	-7.5	15	98	0
2,4-DB	0.081	0.095	-	-17.3*	15	121	0
Dinoseb	0.582	0.625	-	-7.4	15	99	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: PEST17	**Calibration Date**	: 11/23/24 12:01		
Lab File ID	: 17241121a-81	**Init. Calib. Date(s)**	: 11/04/24	11/04/24	
Sample No	: WG2000365-7	**Init. Calib. Times**	: 05:40	10:11	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	96	0
Dalapon	0.182	0.168	-	7.7	15	87	0
DCAA (surrogate)	0.193	0.201	-	-4.1	15	97	0
Dicamba	0.579	0.554	-	4.3	15	90	0
MCPP	0.00066	0.00064	-	3	15	90	0
MCPA	0.00113	0.00114	-	-0.9	15	93	0
Dichloroprop	0.182	0.179	-	1.6	15	92	0
2,4-D	0.23	0.231	-	-0.4	15	94	0
2,4,5-TP (Silvex)	0.839	0.832	-	0.8	15	93	0
2,4,5-T	0.796	0.786	-	1.3	15	92	0
2,4-DB	0.115	0.11	-	4.3	15	89	0
Dinoseb	0.516	0.543	-	-5.2	15	99	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-31.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 21 Nov 2024 11:38 pm
Operator : PEST17:ejl
Sample   : wg2000365-3,42,, herb11874 (Sig #1); herb11874 (Sig #2)
Misc   : wg2000365,,ical21669
ALS Vial : 31   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 10:33:35 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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	100	0.00
2	t	Dalapon	*	0.182	0.181	0.5	99	0.00
3	s	DCAA (surrogate)		0.180	0.184	-2.2	101	0.00
4	t	Dicamba		0.576	0.529	8.2	92	0.00
5	t	MCPP		0.00061	0.00059	3.3	95	0.00
6	t	MCPA		0.00103	0.00103	0.0	96	0.00
7	t	Dichloroprop		0.176	0.168	4.5	94	0.00
8	t	2,4-D		0.196	0.188	4.1	95	0.00
9	t	2,4,5-TP (Silvex)		0.777	0.734	5.5	93	0.00
10	t	2,4,5-T		0.721	0.702	2.6	94	0.00
11	t	2,4-DB		0.081	0.084	-3.7	113	0.00
12	t	Dinoseb		0.582	0.572	1.7	96	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	102	0.00
2	t	Dalapon	*	0.182	0.186	-2.2	102	0.00
3	s	DCAA (surrogate)		0.193	0.195	-1.0	100	0.00
4	t	Dicamba		0.579	0.536	7.4	93	0.00
5	t	MCPP		0.00066	0.00063	4.5	93	0.00
6	t	MCPA		0.00113	0.00109	3.5	95	0.00
7	t	Dichloroprop		0.182	0.171	6.0	93	0.00
8	t	2,4-D		0.230	0.219	4.8	95	0.00
9	t	2,4,5-TP (Silvex)		0.839	0.774	7.7	92	0.00
10	t	2,4,5-T		0.796	0.733	7.9	92	0.00
11	t	2,4-DB		0.115	0.102	11.3	88	0.00
12	t	Dinoseb		0.516	0.500	3.1	97	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-31.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 21 Nov 2024 11:38 pm
Operator : PEST17:ejl
Sample   : wg2000365-3,42,, herb11874 (Sig #1); herb11874 (Sig #2)
Misc   : wg2000365,,ical21669
ALS Vial : 31   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 10:33:35 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\
Data File : 17241121a-31.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 11:38 pm
Operator : PEST17:ejl
Sample : wg2000365-3,42,, herb11874 (Sig #1); herb11874 (Sig #2)
Misc : wg2000365,,ical21669
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 10:33:35 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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	8.429	8.421	672.9E6	687.5E6	0.250	0.250
	System Monitoring Compounds						
3) s	DCAA (surrog	6.870	7.344	93068561	100.9E6	0.192	0.190
	Spiked Amount	0.500	Range 30 - 150		Recovery =	38.40%	38.00%
	Target Compounds						
2) t	Dalapon	1.904	1.917	97744254	103.3E6	0.181M3	0.186
4) t	Dicamba	7.055	7.524	267.5E6	277.1E6	0.173	0.174
5) t	MCPP	7.259	7.638	29774934	32446667	18.284M3	17.750
6) t	MCPA	7.406	7.864	51669579	55827096	18.627	17.913
7) t	Dichloroprop	7.762	8.183	85188939	88553620	0.180	0.177
8) t	2,4-D	7.971	8.457	95197136	113.3E6	0.181	0.179M4
9) t	2,4,5-TP (Si	8.698	9.120	375.6E6	404.2E6	0.180	0.175
10) t	2,4,5-T	8.917	9.408	358.9E6	382.8E6	0.185M3	0.175
11) t	2,4-DB	9.327	9.770	43225494	53978739	0.198M4	0.171M4
12) t	Dinoseb	10.084	9.995	292.4E6	261.1E6	0.187M4	0.184M4

SemiQuant Compounds - Not Calibrated on this Instrument

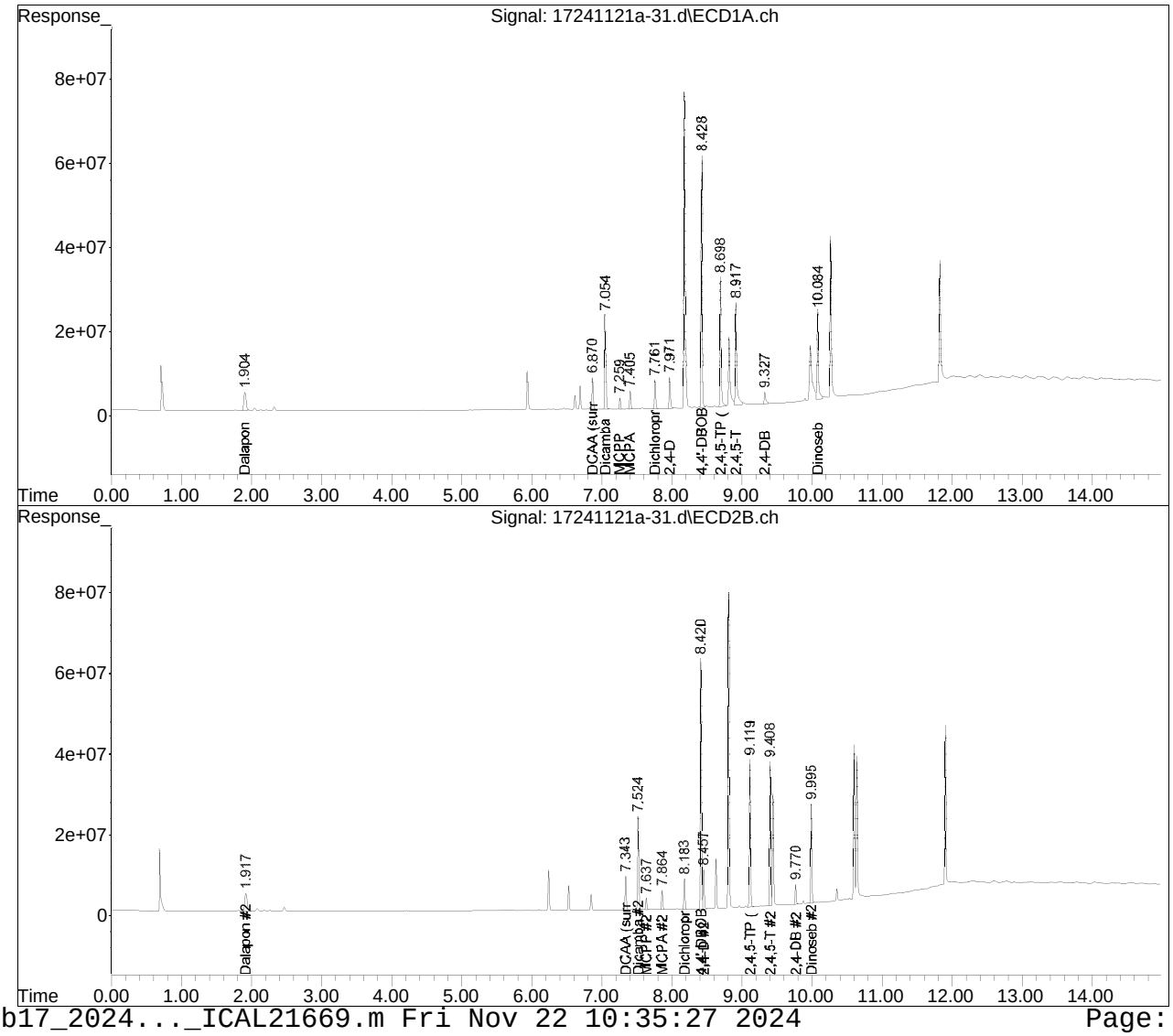
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-31.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Nov 2024 11:38 pm
Operator : PEST17:ejl
Sample : wg2000365-3,42,, herb11874 (Sig #1); herb11874 (Sig #2)
Misc : wg2000365,,ical21669
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 10:33:35 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

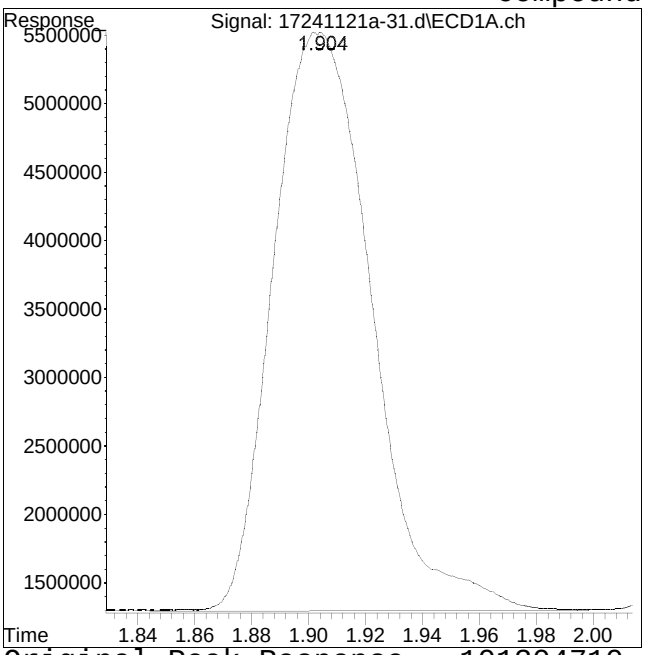
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

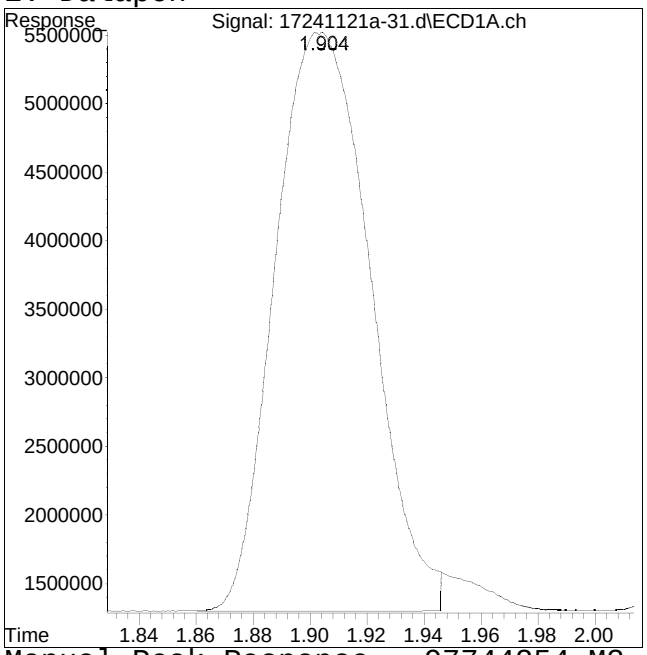


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-31.d Operator : PEST17:ejl
Date Inj'd : 11/21/2024 11:38 pm Instrument : Pest 17
Sample : wg2000365-3,42,, herb11874Quant Date : 11/22/2024 10:33 am

Compound #2: Dalapon





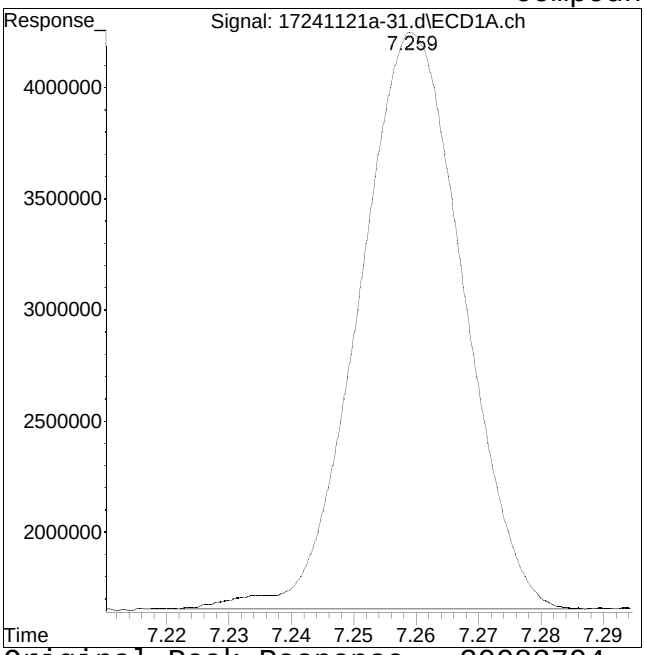
Original Peak Response = 101304710 Manual Peak Response = 97744254 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

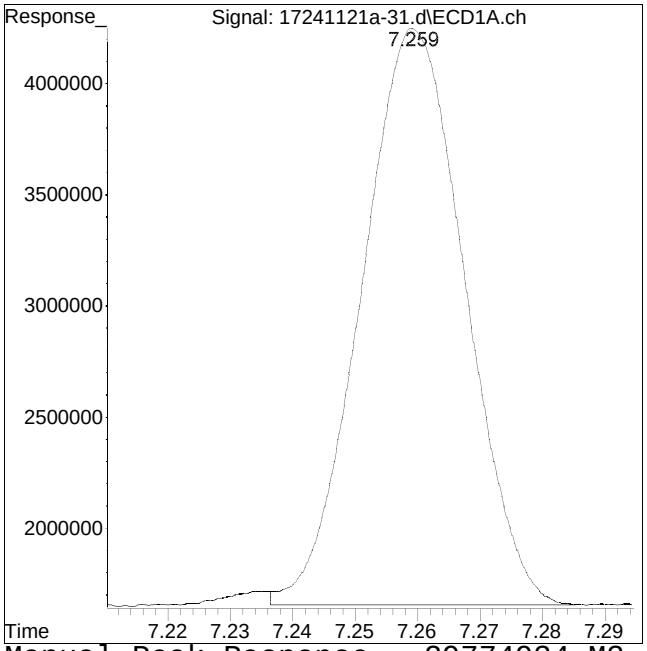
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121Q
Data File : 17241121a-31.d
Date Inj'd : 11/21/2024 11:38 pm
Sample : wg2000365-3,42,, herb11874

Method : Herb17_2024_11_04_ICAL21
Operator : PEST17:ejl
Instrument : Pest 17
Quant Date : 11/22/2024 10:33 am

Compound #5: MCPP





Original Peak Response = 30083794 Manual Peak Response = 29774934 M3

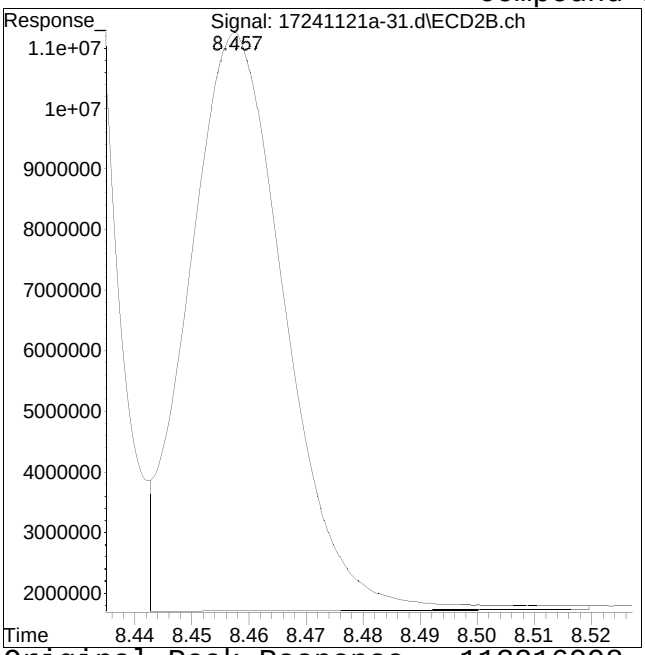
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

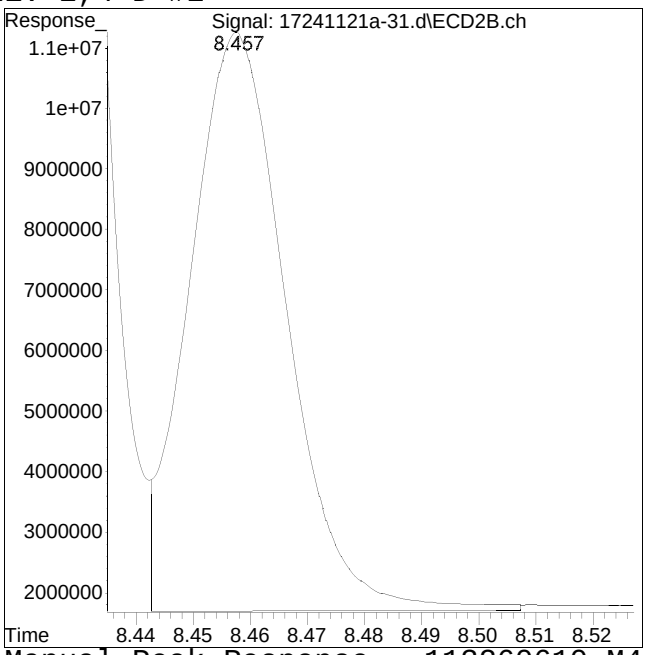
Data Path : I:\PEST\Pest17\2024\241121Q
Data File : 17241121a-31.d
Date Inj'd : 11/21/2024 11:38 pm
Sample : wg2000365-3,42,, herb11874

Method : Herb17_2024_11_04_ICAL21
Operator : PEST17:ejl
Instrument : Pest 17
Quant Date : 11/22/2024 10:33 am

Compound #21: 2,4-D #2



Original Peak Response = 113216998



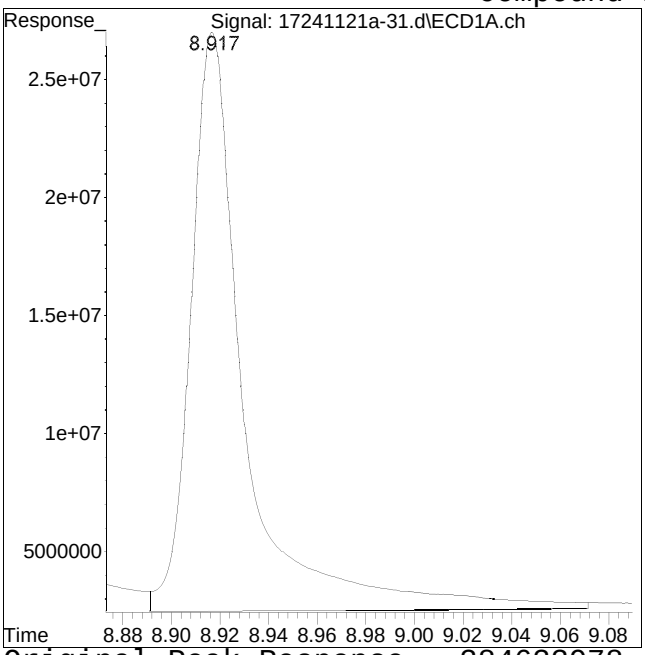
Manual Peak Response = 113260610 M4

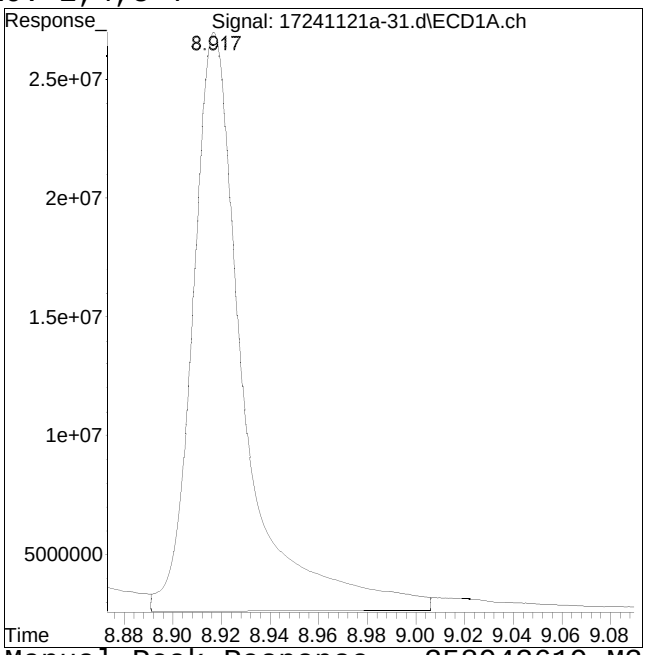
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-31.d Operator : PEST17:ejl
Date Inj'd : 11/21/2024 11:38 pm Instrument : Pest 17
Sample : wg2000365-3,42,, herb11874Quant Date : 11/22/2024 10:33 am

Compound #10: 2,4,5-T





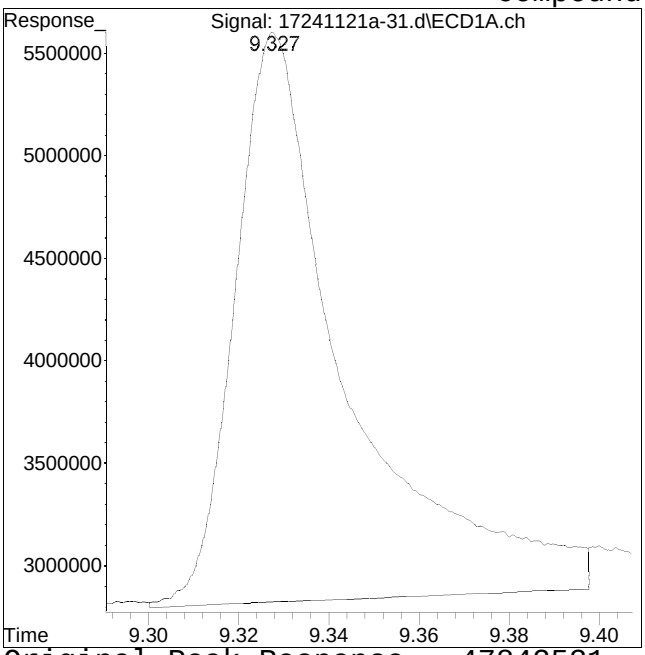
Original Peak Response = 384633978 Manual Peak Response = 358942619 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

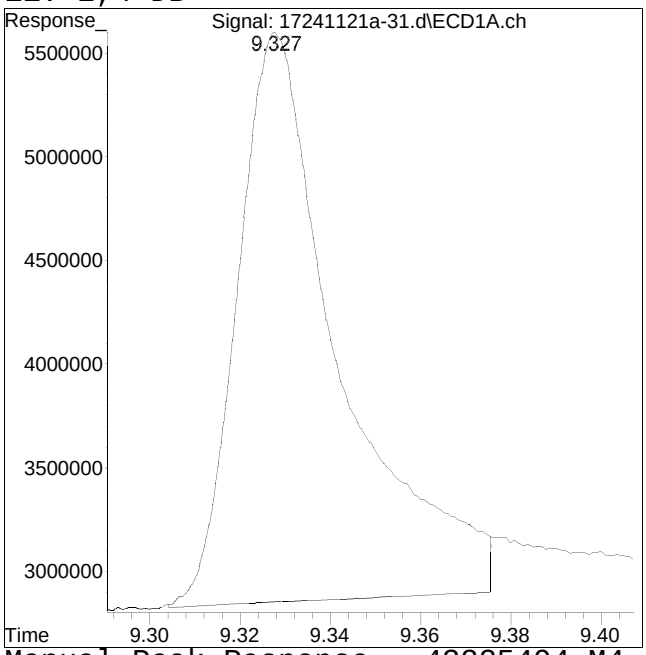
Data Path : I:\PEST\Pest17\2024\241121Q
Data File : 17241121a-31.d
Date Inj'd : 11/21/2024 11:38 pm
Sample : wg2000365-3,42,, herb11874

Method : Herb17_2024_11_04_ICAL21
Operator : PEST17:ejl
Instrument : Pest 17
Quant Date : 11/22/2024 10:33 am

Compound #11: 2,4-DB



Original Peak Response = 47842531



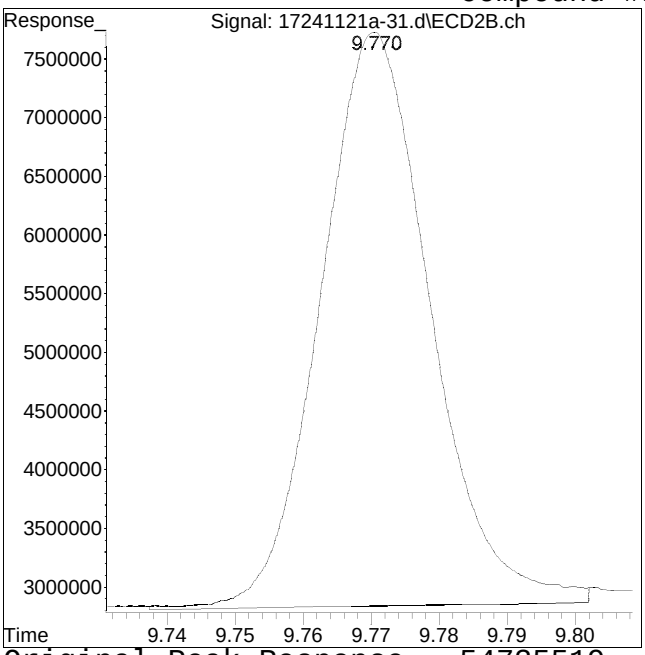
Manual Peak Response = 43225494 M4

M4 = Poor automated baseline construction.

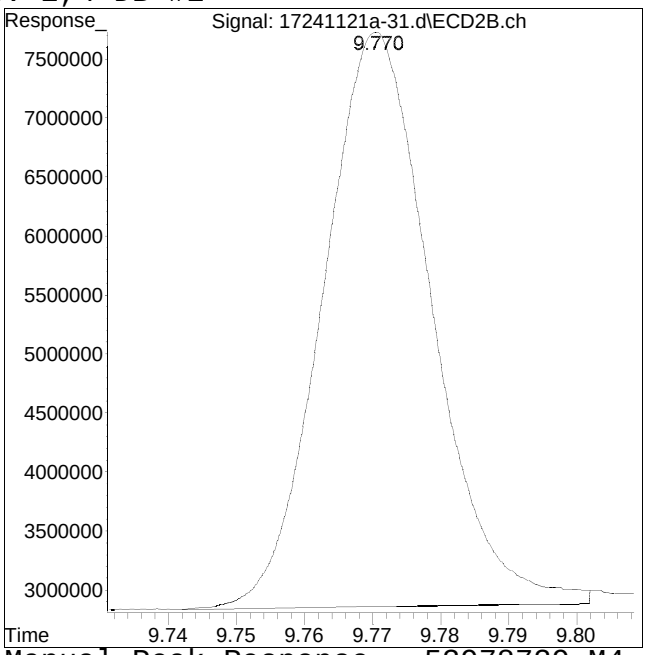
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-31.d Operator : PEST17:ejl
Date Inj'd : 11/21/2024 11:38 pm Instrument : Pest 17
Sample : wg2000365-3,42,, herb11874Quant Date : 11/22/2024 10:33 am

Compound #24: 2,4-DB #2



Original Peak Response = 54735519



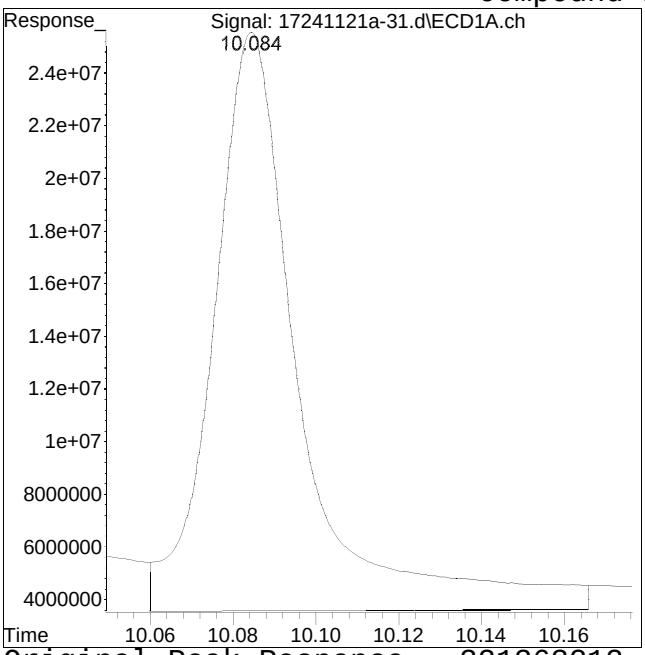
Manual Peak Response = 53978739 M4

M4 = Poor automated baseline construction.

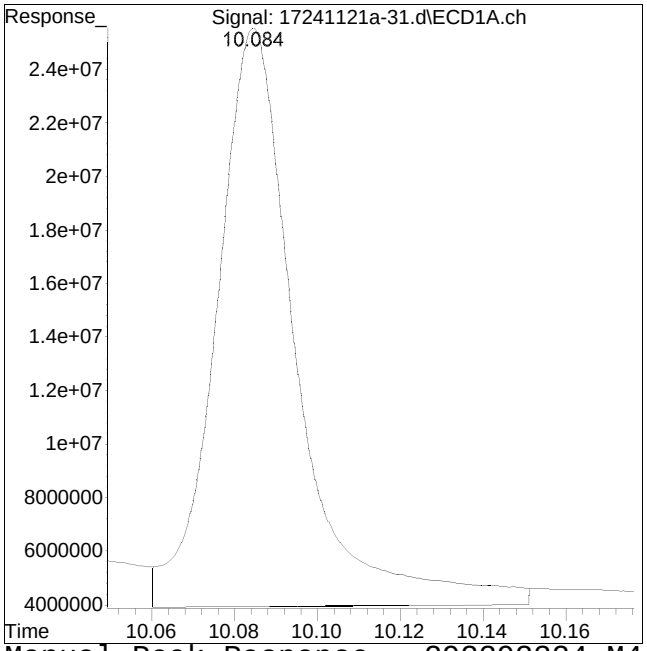
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-31.d Operator : PEST17:ejl
Date Inj'd : 11/21/2024 11:38 pm Instrument : Pest 17
Sample : wg2000365-3,42,, herb11874Quant Date : 11/22/2024 10:33 am

Compound #12: Dinoseb



Original Peak Response = 321363212



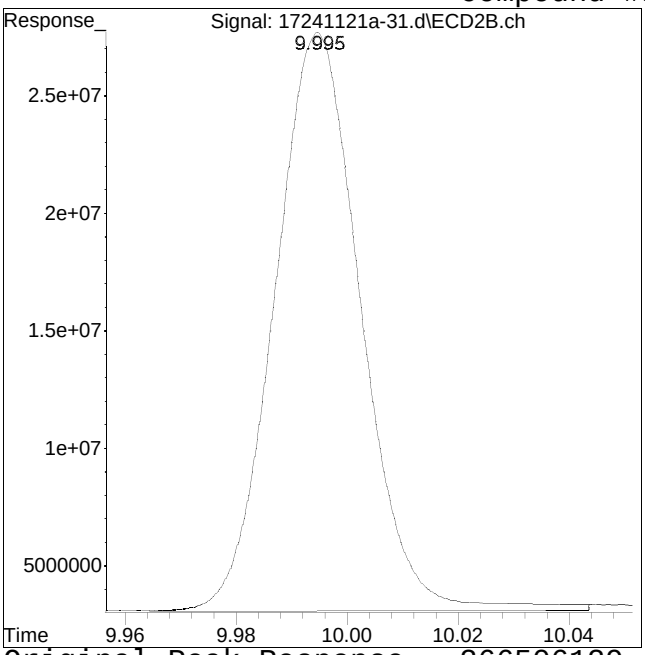
Manual Peak Response = 292393324 M4

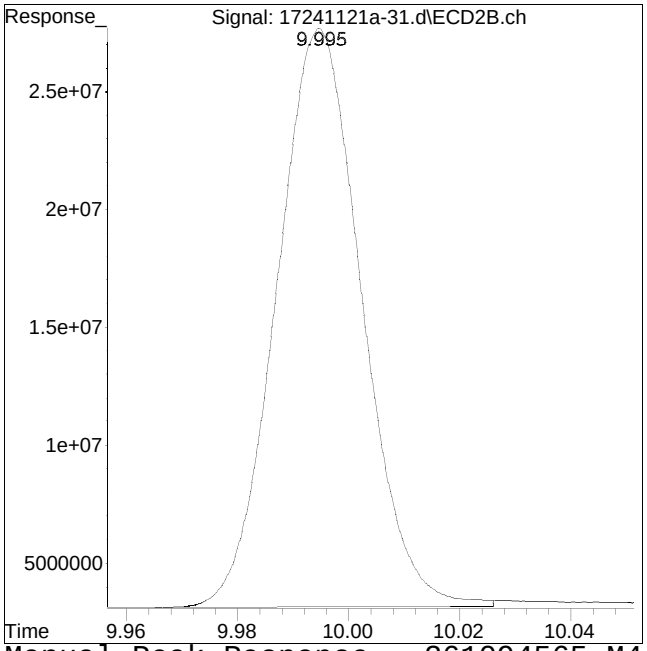
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-31.d Operator : PEST17:ejl
Date Inj'd : 11/21/2024 11:38 pm Instrument : Pest 17
Sample : wg2000365-3,42,, herb11874Quant Date : 11/22/2024 10:33 am

Compound #25: Dinoseb #2





Original Peak Response = 266506129 Manual Peak Response = 261094565 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-81.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 23 Nov 2024 12:01 pm
Operator : PEST17:ejl
Sample   : wg2000365-7,42,, herb11874 (Sig #1); herb11874 (Sig #2)
Misc   : wg2000365,,ical21669
ALS Vial : 81   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 09:57:59 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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	95	0.00
2	t	Dalapon	*	0.182	0.167	8.2	87	0.00
3	s	DCAA (surrogate)		0.180	0.190	-5.6	98	0.00
4	t	Dicamba		0.576	0.544	5.6	89	0.00
5	t	MCPP		0.00061	0.00060	1.6	91	0.00
6	t	MCPA		0.00103	0.00107	-3.9	94	0.00
7	t	Dichloroprop		0.176	0.174	1.1	92	0.00
8	t	2,4-D		0.196	0.202	-3.1	96	0.00
9	t	2,4,5-TP (Silvex)		0.777	0.787	-1.3	94	0.00
10	t	2,4,5-T		0.721	0.775	-7.5	98	0.00
11	t	2,4-DB		0.081	0.095	-17.3#	121	0.00
12	t	Dinoseb		0.582	0.625	-7.4	99	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	96	0.00
2	t	Dalapon	*	0.182	0.168	7.7	87	0.00
3	s	DCAA (surrogate)		0.193	0.201	-4.1	97	0.00
4	t	Dicamba		0.579	0.554	4.3	90	0.00
5	t	MCPP		0.00066	0.00064	3.0	90	0.00
6	t	MCPA		0.00113	0.00114	-0.9	93	0.00
7	t	Dichloroprop		0.182	0.179	1.6	92	0.00
8	t	2,4-D		0.230	0.231	-0.4	94	0.00
9	t	2,4,5-TP (Silvex)		0.839	0.832	0.8	93	0.00
10	t	2,4,5-T		0.796	0.786	1.3	92	0.00
11	t	2,4-DB		0.115	0.110	4.3	89	0.00
12	t	Dinoseb		0.516	0.543	-5.2	99	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-81.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 23 Nov 2024 12:01 pm
Operator : PEST17:ejl
Sample   : wg2000365-7,42,, herb11874 (Sig #1); herb11874 (Sig #2)
Misc   : wg2000365,,ical21669
ALS Vial : 81   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 09:57:59 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\
Data File : 17241121a-81.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 12:01 pm
Operator : PEST17:ejl
Sample : wg2000365-7,42,, herb11874 (Sig #1); herb11874 (Sig #2)
Misc : wg2000365,,ical21669
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 09:57:59 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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	8.429	8.420	635.5E6	646.9E6	0.250	0.250
	System Monitoring Compounds						
3) s	DCAA (surrog	6.869	7.343	90592148	97802472	0.198M4	0.195
	Spiked Amount	0.500	Range 30 - 150		Recovery =	39.60%	39.00%
	Target Compounds						
2) t	Dalapon	1.892	1.906	85843343	88722595	0.167	0.168M3
4) t	Dicamba	7.054	7.524	260.1E6	269.4E6	0.178	0.180
5) t	MCPP	7.259	7.638	28787483	31287867	18.718M3	18.189
6) t	MCPA	7.406	7.864	50671537	54906369	19.343	18.723
7) t	Dichloroprop	7.761	8.183	83254378	86976755	0.186	0.185
8) t	2,4-D	7.971	8.458	96740605	112.5E6	0.195	0.189
9) t	2,4,5-TP (Si	8.697	9.120	380.0E6	409.1E6	0.192M4	0.189
10) t	2,4,5-T	8.917	9.409	374.4E6	386.6E6	0.204	0.188
11) t	2,4-DB	9.328	9.770	46242445	54735381	0.225M3	0.184M4
12) t	Dinoseb	10.084	9.995	301.7E6	266.9E6	0.204M4	0.200M3

SemiQuant Compounds - Not Calibrated on this Instrument

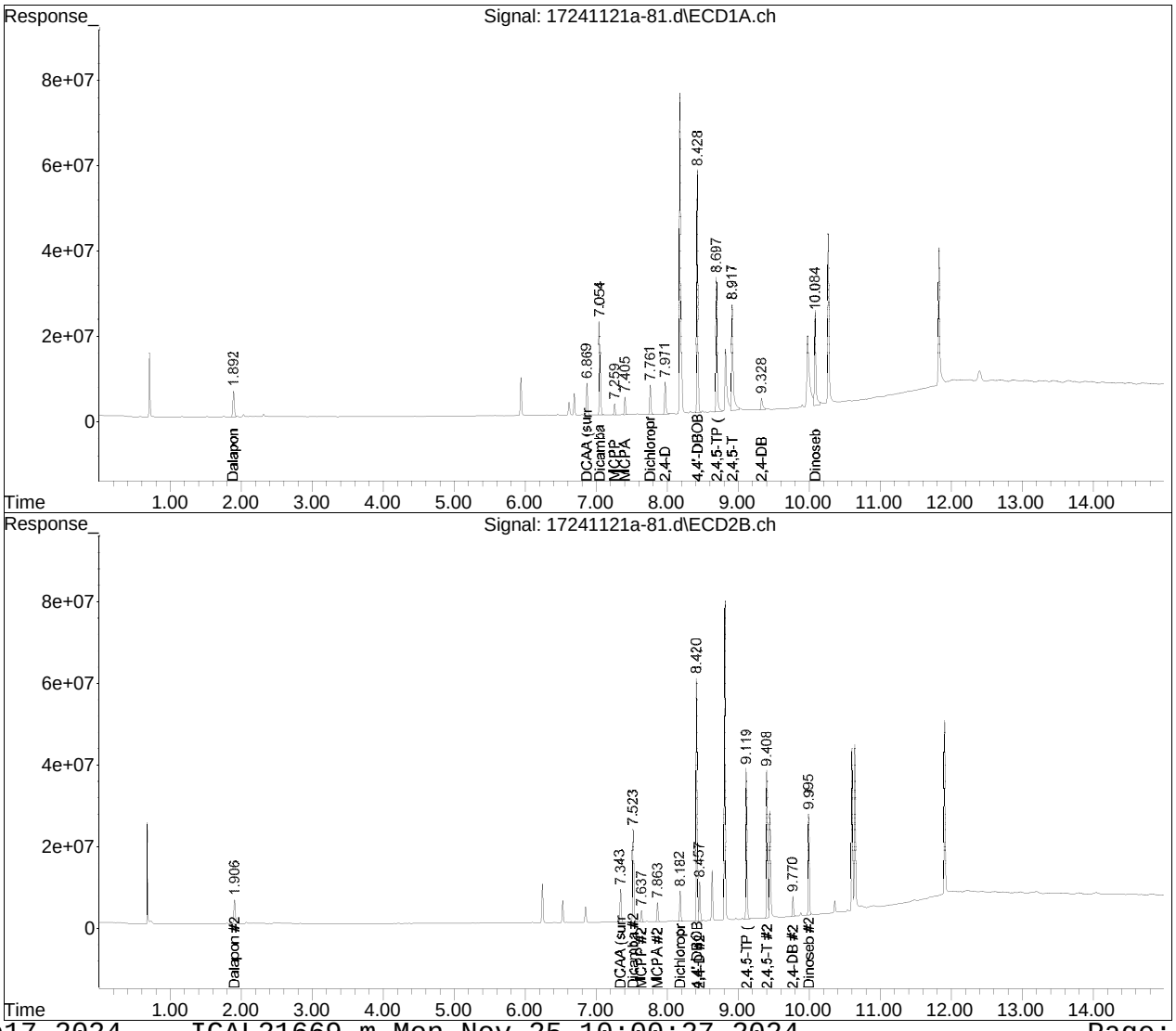
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-81.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 12:01 pm
Operator : PEST17:ejl
Sample : wg2000365-7,42,, herb11874 (Sig #1); herb11874 (Sig #2)
Misc : wg2000365,,ical21669
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 09:57:59 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

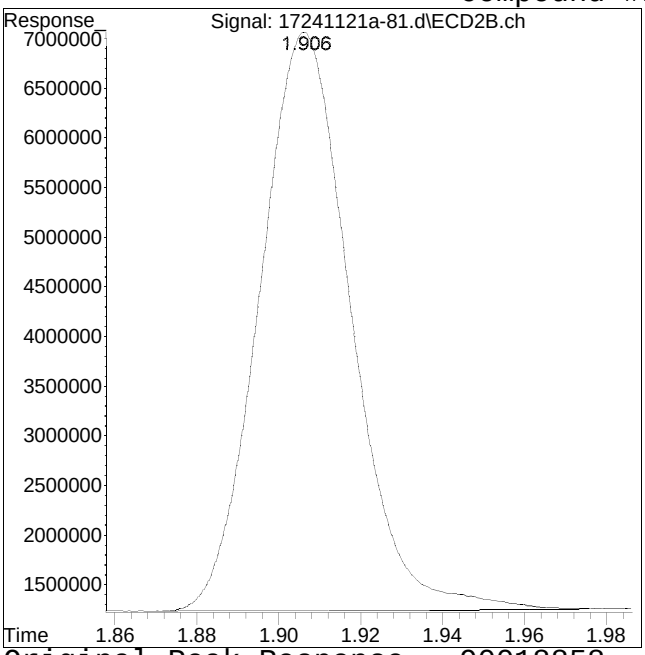
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

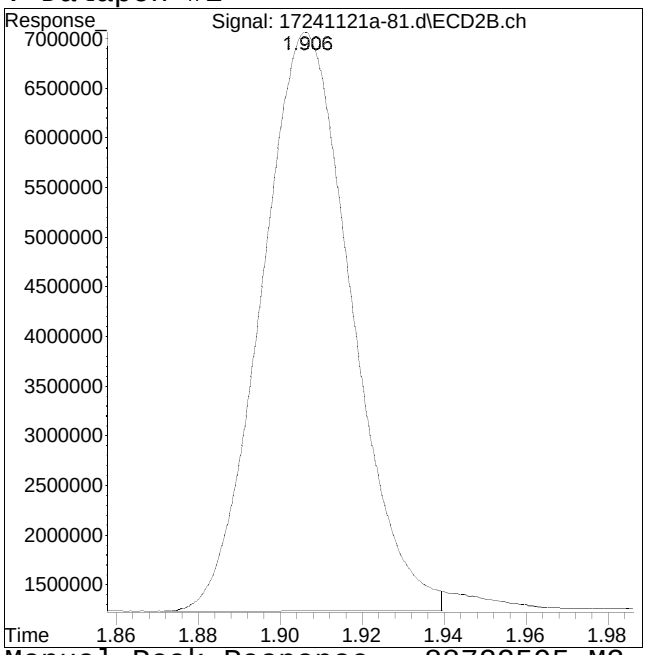


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-81.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:01 pm Instrument : Pest 17
Sample : wg2000365-7,42,, herb11874Quant Date : 11/25/2024 9:57 am

Compound #15: Dalapon #2





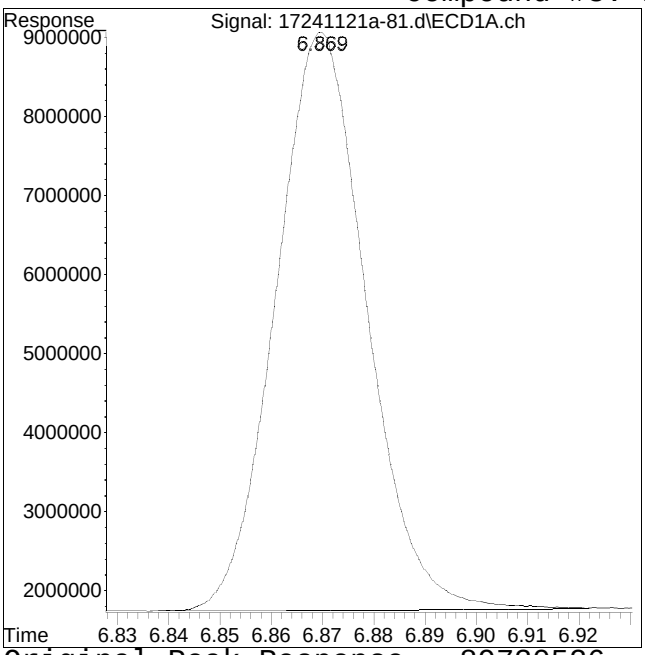
Original Peak Response = 90018858 Manual Peak Response = 88722595 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

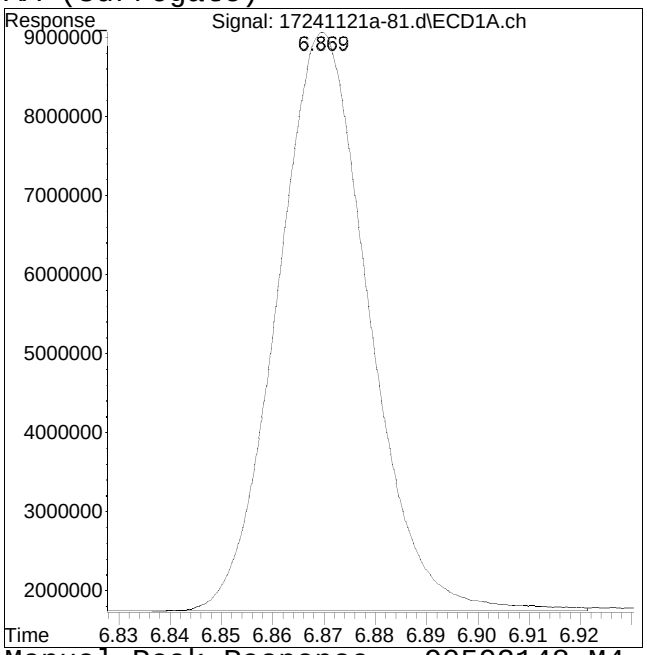
Data Path : I:\PEST\Pest17\2024\241121Q
Data File : 17241121a-81.d
Date Inj'd : 11/23/2024 12:01 pm
Sample : wg2000365-7,42,, herb11874

Method : Herb17_2024_11_04_ICAL21
Operator : PEST17:ejl
Instrument : Pest 17
Quant Date : 11/25/2024 9:57 am

Compound #3: DCAA (surrogate)



Original Peak Response = 89730526



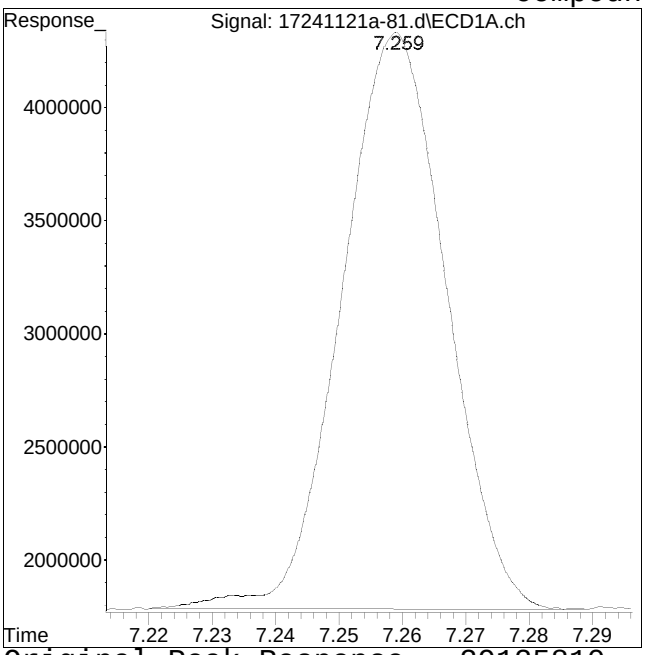
Manual Peak Response = 90592148 M4

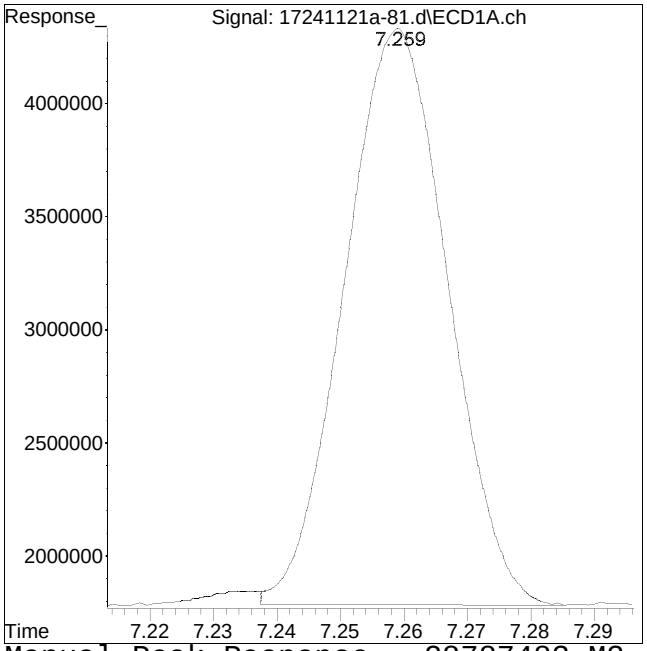
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-81.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:01 pm Instrument : Pest 17
Sample : wg2000365-7,42,, herb11874Quant Date : 11/25/2024 9:57 am

Compound #5: MCPP





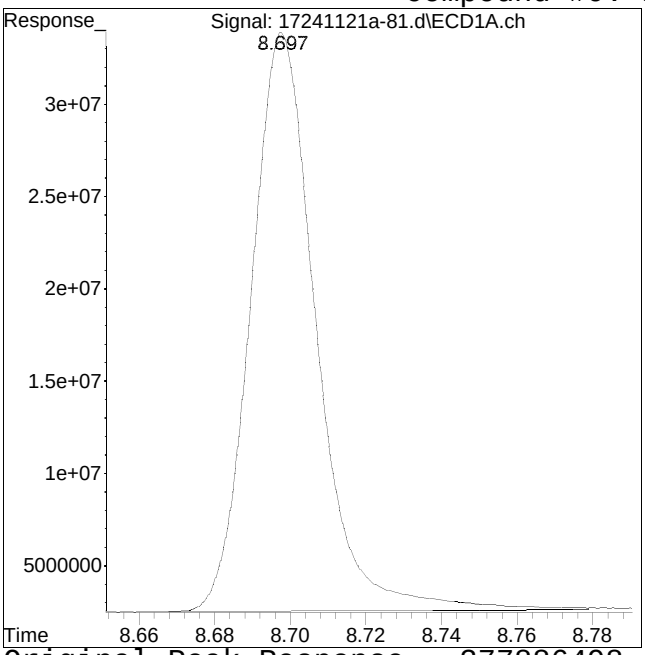
Original Peak Response = 29125810 Manual Peak Response = 28787483 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

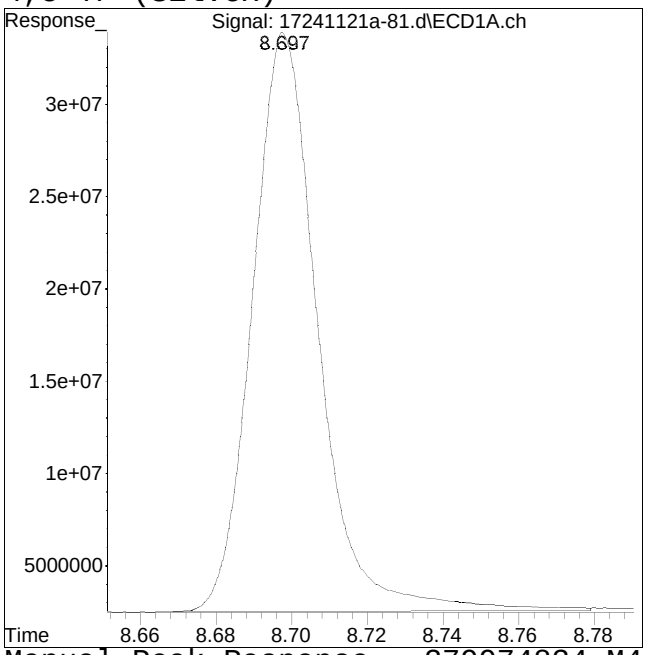
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121Q
Data File : 17241121a-81.d
Date Inj'd : 11/23/2024 12:01 pm
Sample : wg2000365-7,42,, herb11874

Method : Herb17_2024_11_04_ICAL21
Operator : PEST17:ejl
Instrument : Pest 17
Quant Date : 11/25/2024 9:57 am

Compound #9: 2,4,5-TP (Silvex)





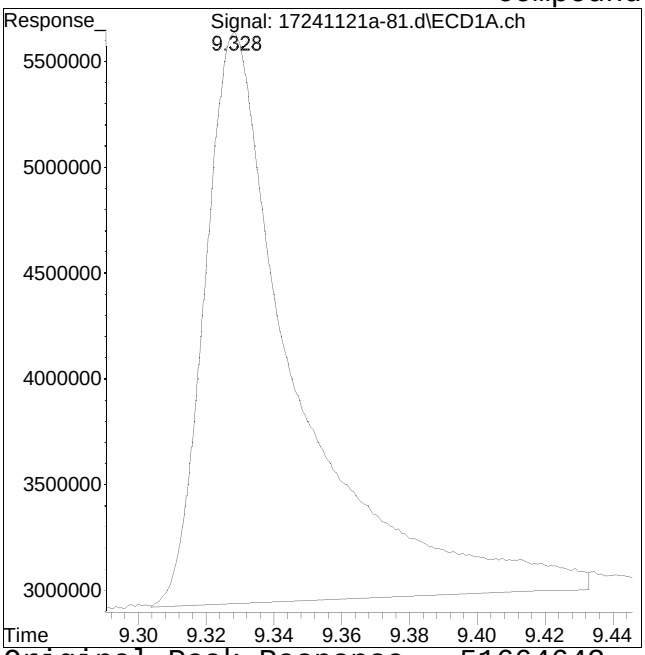
Original Peak Response = 377886498 Manual Peak Response = 379974834 M4
M4 = Poor automated baseline construction.

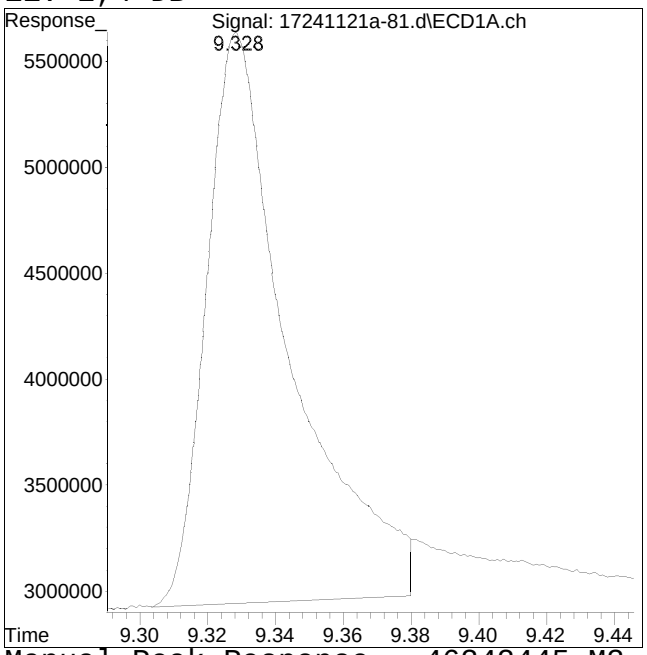
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121Q
Data File : 17241121a-81.d
Date Inj'd : 11/23/2024 12:01 pm
Sample : wg2000365-7,42,, herb11874

Method : Herb17_2024_11_04_ICAL21
Operator : PEST17:ejl
Instrument : Pest 17
Quant Date : 11/25/2024 9:57 am

Compound #11: 2,4-DB





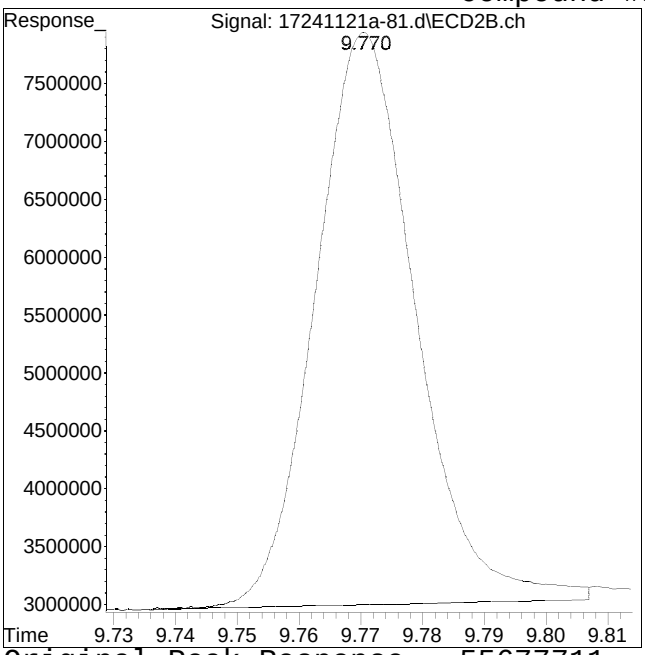
Original Peak Response = 51664642 Manual Peak Response = 46242445 M3

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.

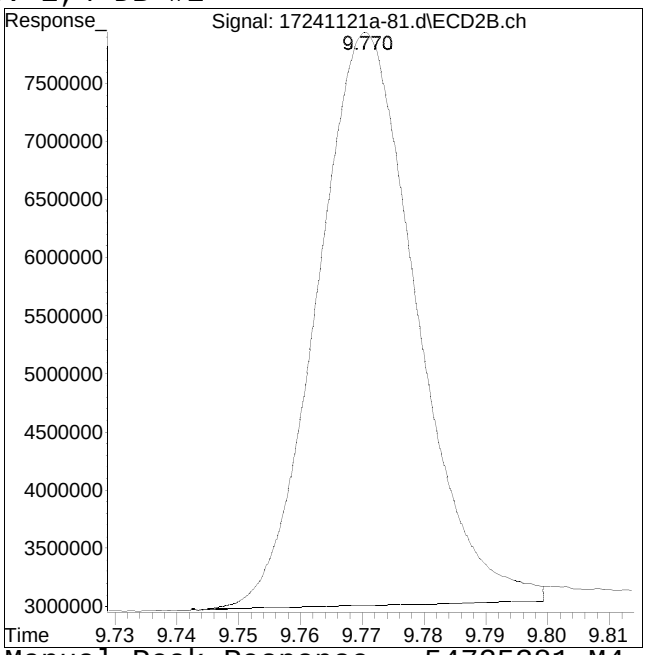
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-81.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:01 pm Instrument : Pest 17
Sample : wg2000365-7,42,, herb11874Quant Date : 11/25/2024 9:57 am

Compound #24: 2,4-DB #2



Original Peak Response = 55677711



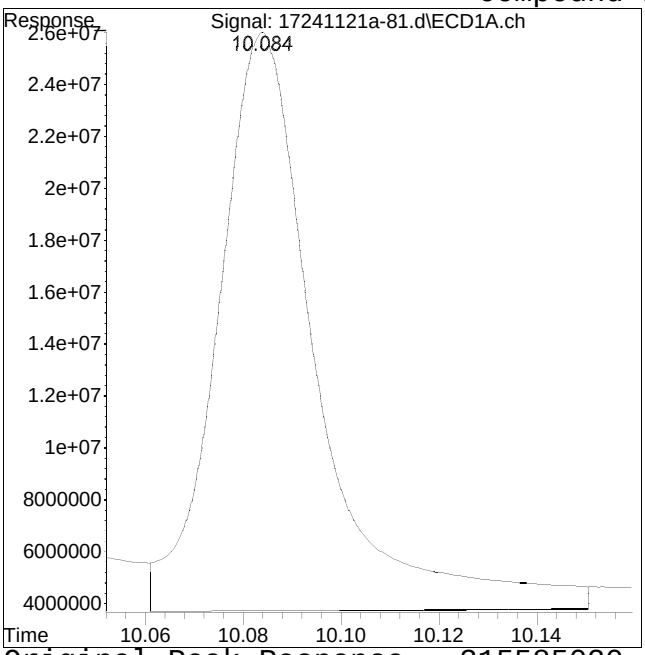
Manual Peak Response = 54735381 M4

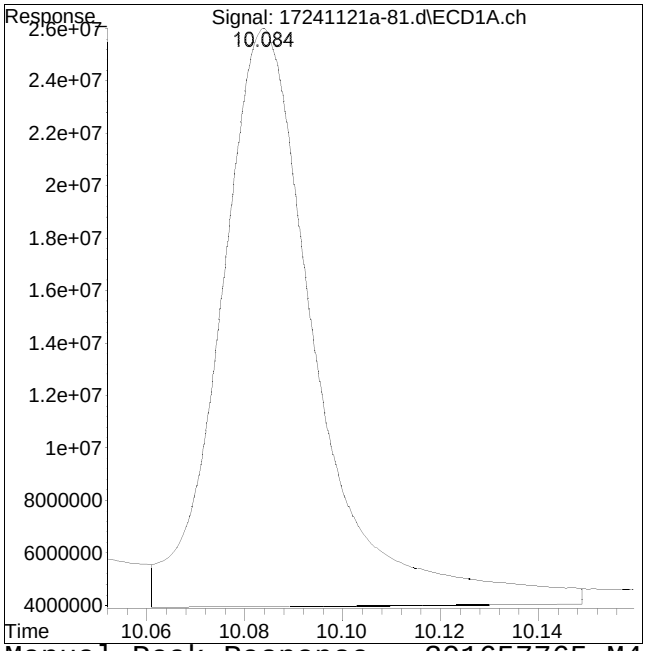
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-81.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:01 pm Instrument : Pest 17
Sample : wg2000365-7,42,, herb11874Quant Date : 11/25/2024 9:57 am

Compound #12: Dinoseb



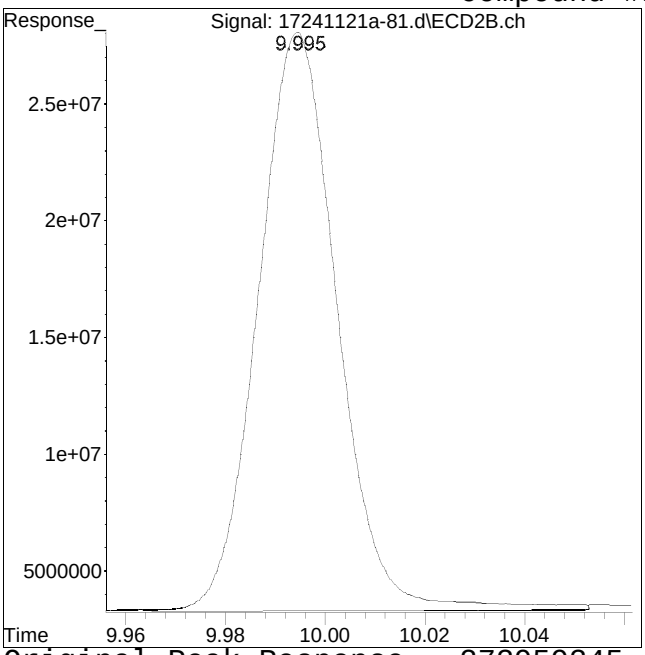


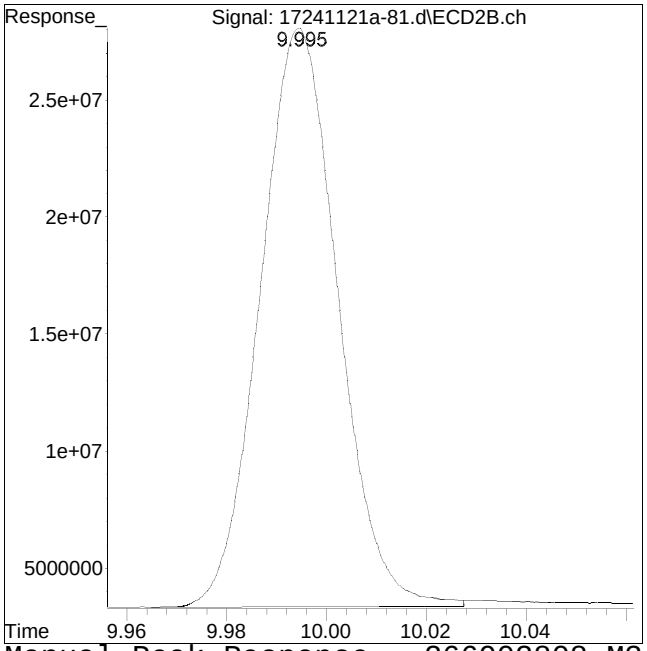
Original Peak Response = 315585020 Manual Peak Response = 301657765 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-81.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 12:01 pm Instrument : Pest 17
Sample : wg2000365-7,42,, herb11874Quant Date : 11/25/2024 9:57 am

Compound #25: Dinoseb #2





Original Peak Response = 273959345 Manual Peak Response = 266903808 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.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**

No Detections Found

Herbicides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-37.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Nov 2024 1:28 am
Operator : PEST17:ejl
Sample : WG2000586-1,42,, 586 046 (Sig #1); WG2000044-1,42,, 586 046 (Sig #2)
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 11:01:01 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-31.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	8.429	8.420	692.8E6	711.2E6	0.250	0.250M4
	Standard Area 1 : #1 = 672910844				Recovery = 102.96%		
	Standard Area 1 : #2 = 687466954				Recovery = 103.46%		
	System Monitoring Compounds						
3) s	DCAA (surrog	6.870	7.343	213.8E6	224.1E6	0.428M4	0.407M4
	Spiked Amount	0.500	Range 30 - 150		Recovery = 85.60%		81.40%
	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						

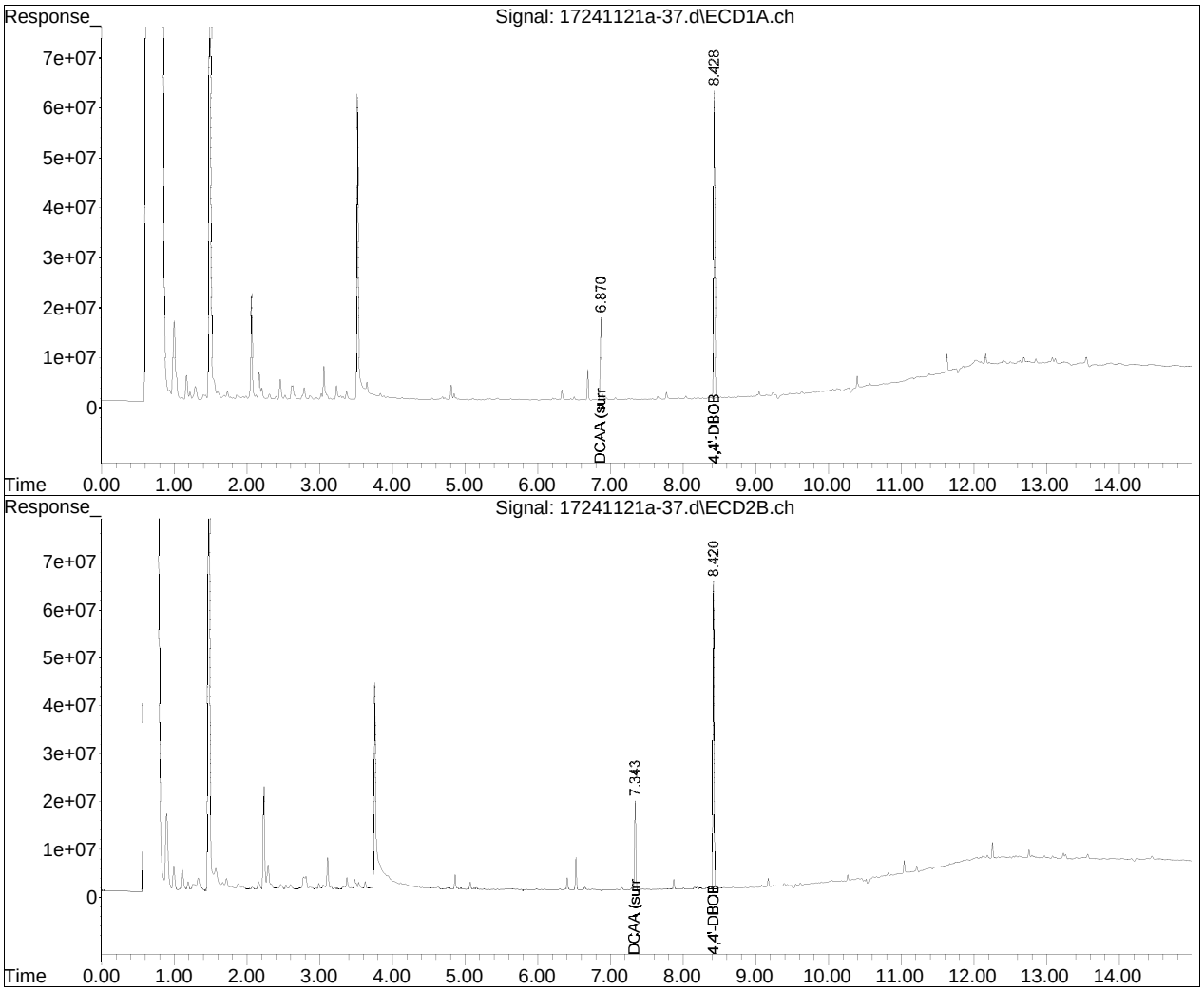
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-31.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-37.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Nov 2024 1:28 am
Operator : PEST17:ejl
Sample : WG2000586-1,42,, 586 046 (Sig #1); WG2000044-1,42,, 586 046 (Sig #
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 11:01:01 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

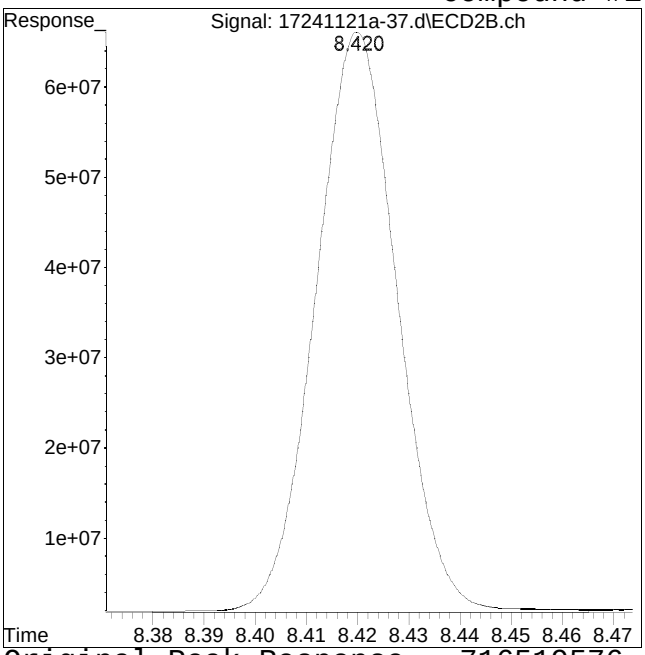
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



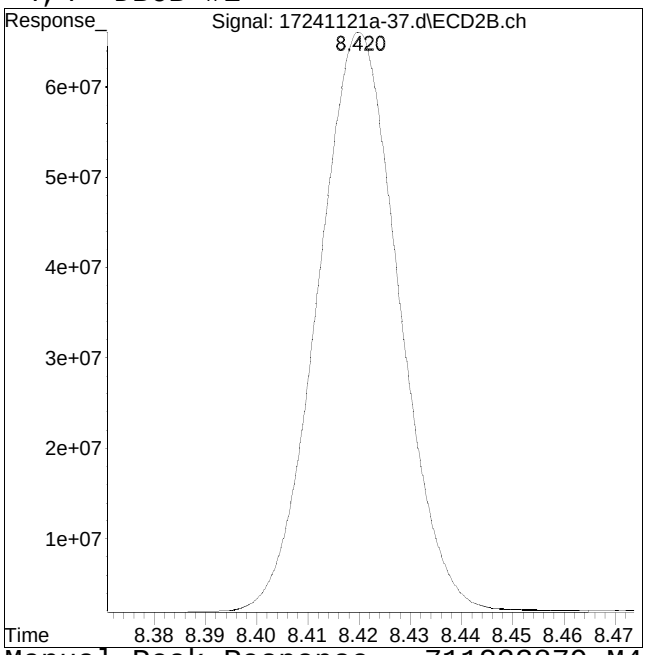
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-37.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:28 am Instrument : Pest 17
Sample : WG2000586-1,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 716519576



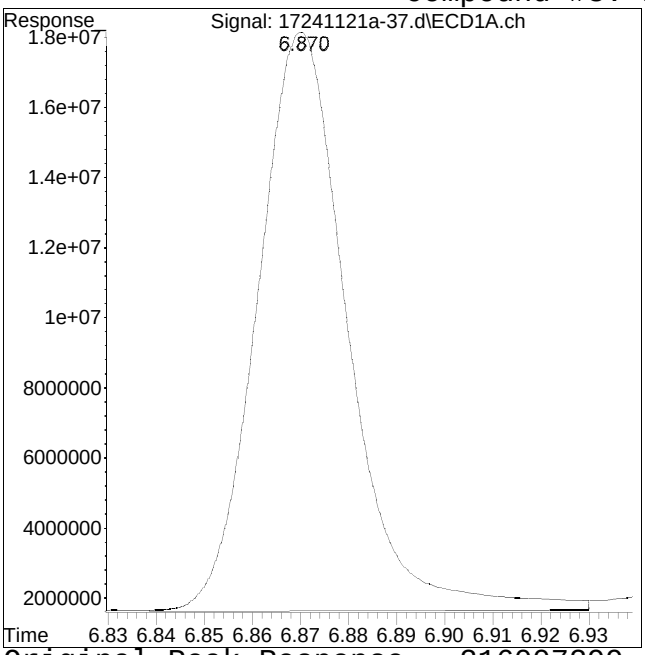
Manual Peak Response = 711233879 M4

M4 = Poor automated baseline construction.

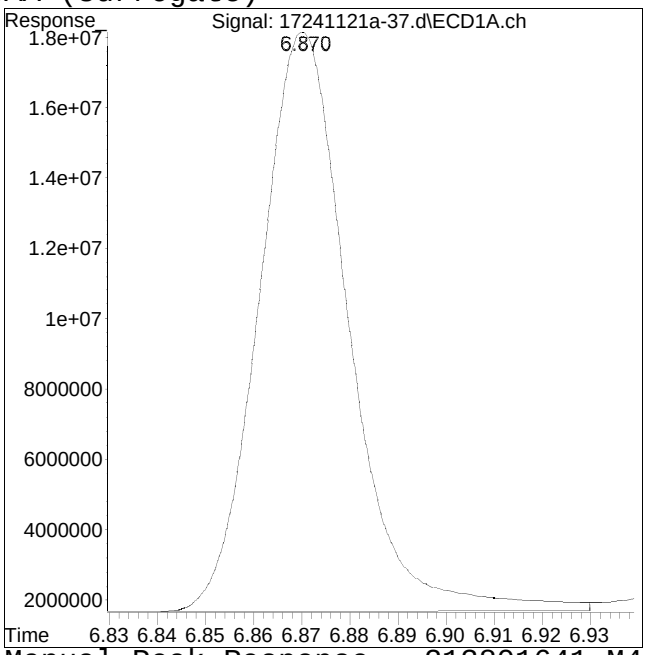
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-37.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:28 am Instrument : Pest 17
Sample : WG2000586-1,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #3: DCAA (surrogate)



Original Peak Response = 216007299



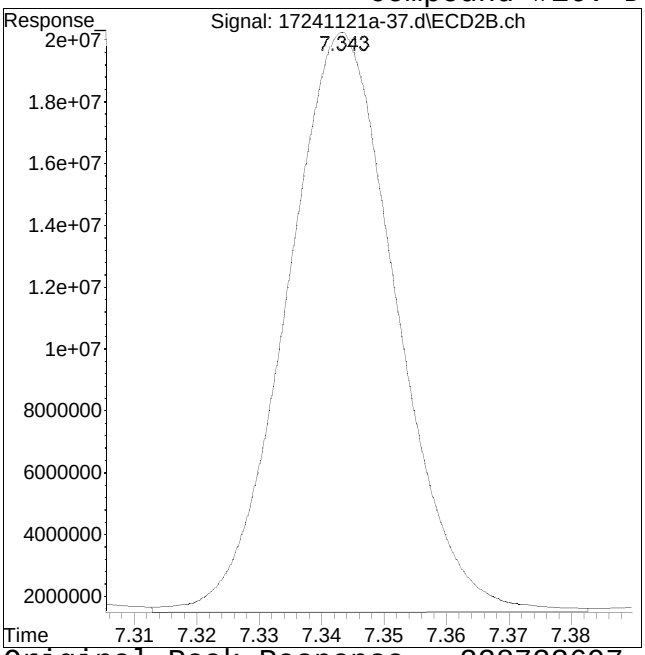
Manual Peak Response = 213801641 M4

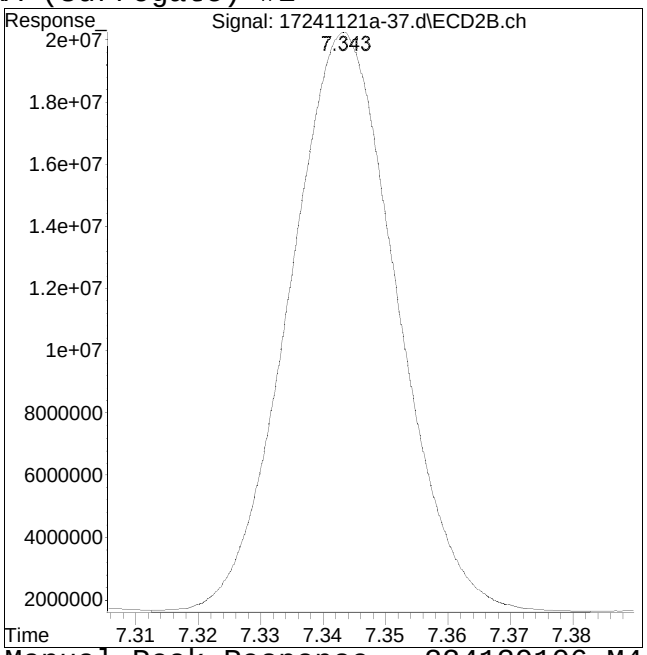
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-37.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:28 am Instrument : Pest 17
Sample : WG2000586-1,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #16: DCAA (surrogate) #2





Original Peak Response = 228733697 Manual Peak Response = 224139106 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-38.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Nov 2024 1:47 am
Operator : PEST17:ejl
Sample : WG2000586-2,42,, 586 046 (Sig #1); WG2000044-2,42,, 586 046 (Sig #2)
Misc : wg2000365,WG2000586,ical21669 (Sig #1); wg2000365,WG2000044,ical21669 (Sig #2)
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 11:01:03 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-31.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	8.428	8.421	760.8E6	765.3E6	0.250M4	0.250
	Standard Area 1 : #1 = 672910844				Recovery = 113.06%		
	Standard Area 1 : #2 = 687466954				Recovery = 111.33%		
	System Monitoring Compounds						
3) s	DCAA (surrog	6.870	7.344	234.4E6	281.1E6	0.427M3	0.475M4
	Spiked Amount 0.500	Range 30 - 150		Recovery =	85.40%	95.00%	
	Target Compounds						
8) t	2,4-D	7.971	8.457	261.8E6	305.6E6	0.440M4	0.433M4
9) t	2,4,5-TP (Si	8.698	9.120	1005.8E6	1021.2E6	0.426M4	0.398M4
10) t	2,4,5-T	8.916	9.408	1010.4E6	1055.7E6	0.460M4	0.433M4
	SemiQuant Compounds - Not Calibrated on this Instrument						

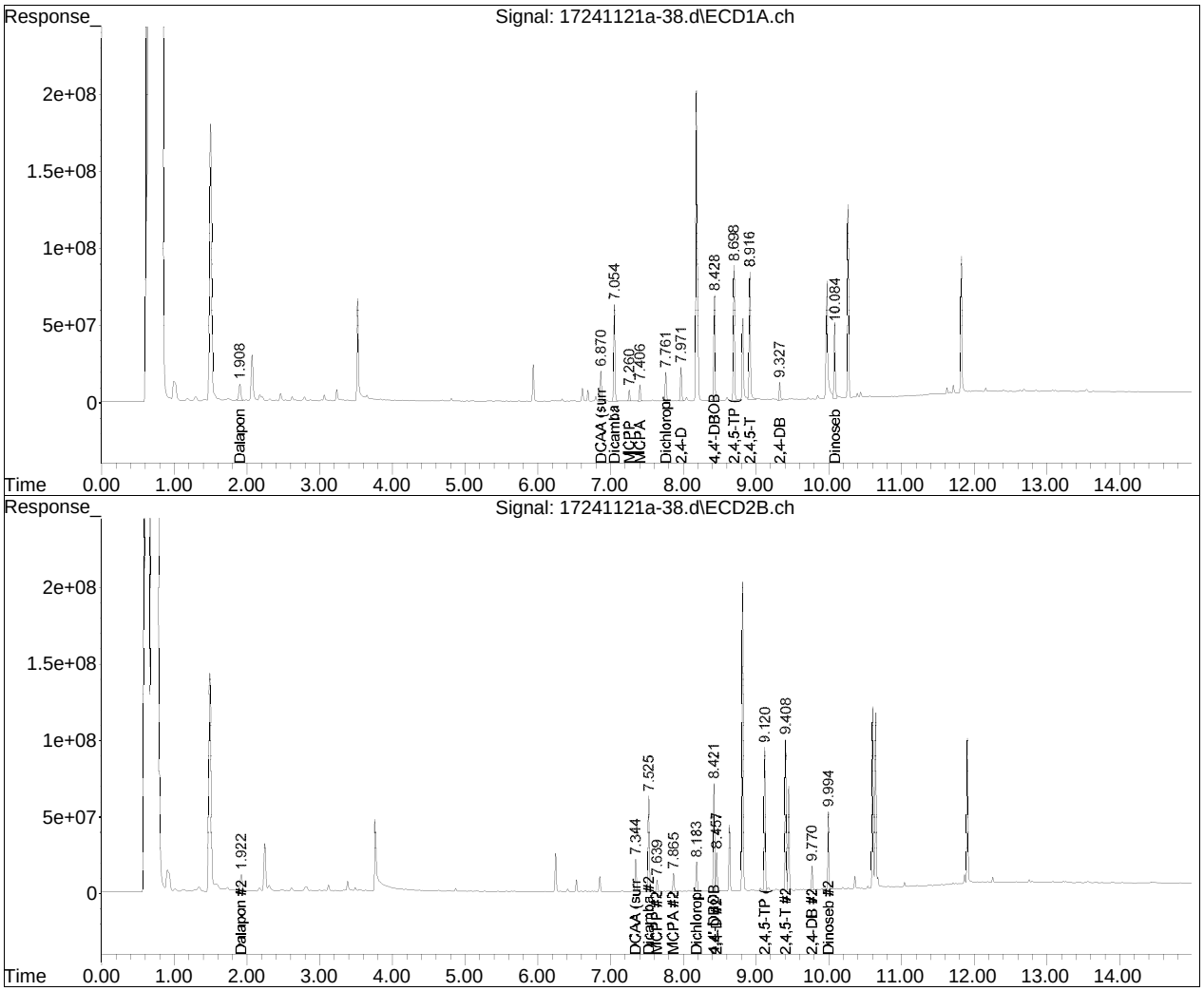
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-31.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-38.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Nov 2024 1:47 am
Operator : PEST17:ejl
Sample : WG2000586-2,42,, 586 046 (Sig #1); WG2000044-2,42,, 586 046 (Sig #
Misc : wg2000365,WG2000586,ical21669 (Sig #1); wg2000365,WG2000044,ical21
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 11:01:03 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

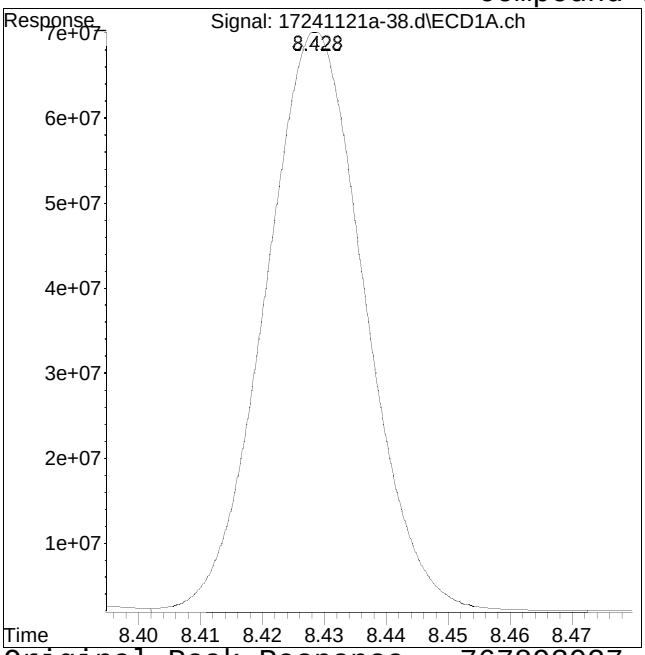
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

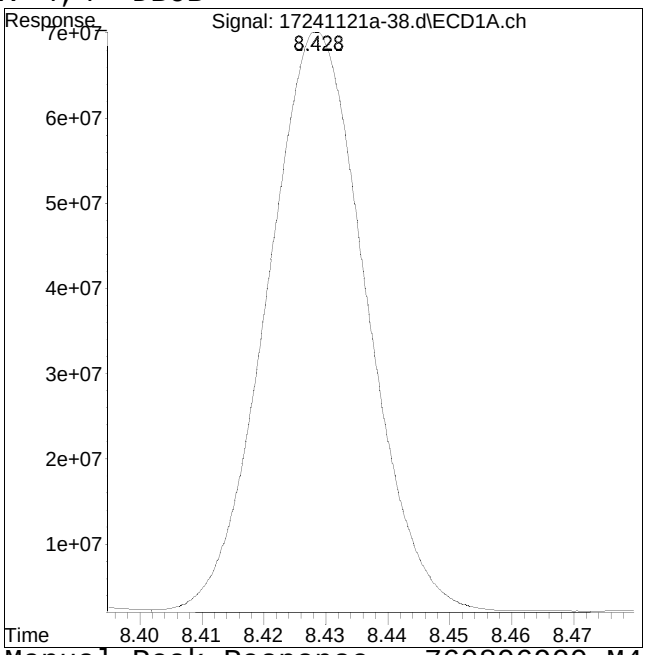


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-38.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:47 am Instrument : Pest 17
Sample : WG2000586-2,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #1: 4,4'-DBOB



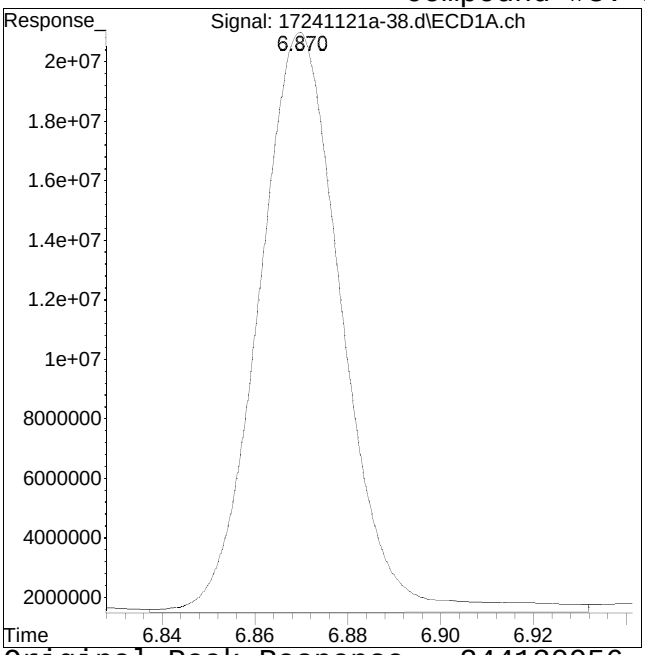


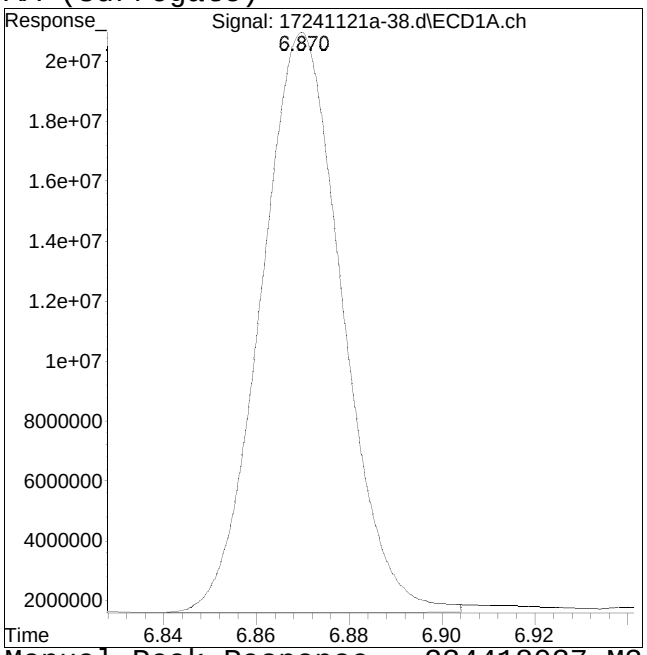
Original Peak Response = 767893927 Manual Peak Response = 760806900 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-38.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:47 am Instrument : Pest 17
Sample : WG2000586-2,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #3: DCAA (surrogate)



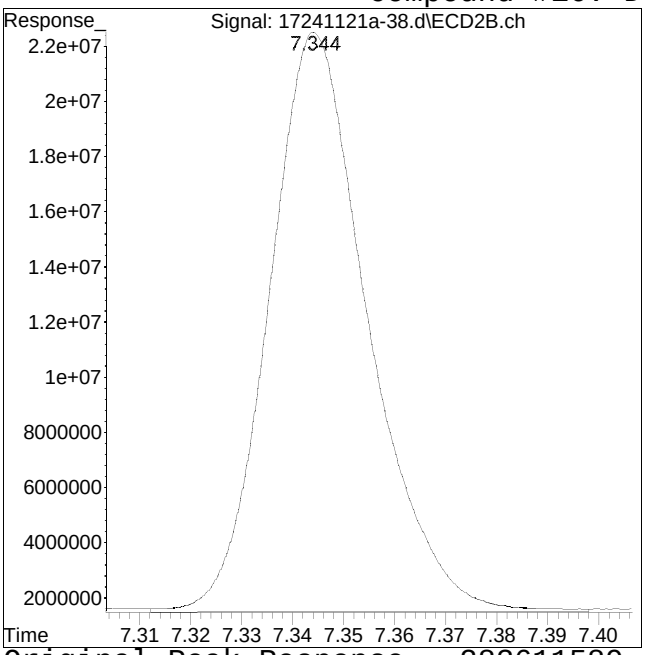


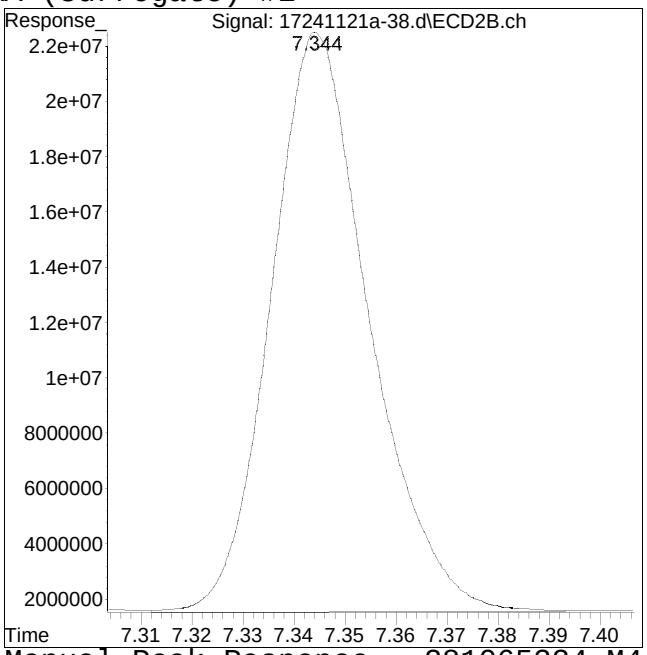
Original Peak Response = 244120956 Manual Peak Response = 234418037 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-38.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:47 am Instrument : Pest 17
Sample : WG2000586-2,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #16: DCAA (surrogate) #2



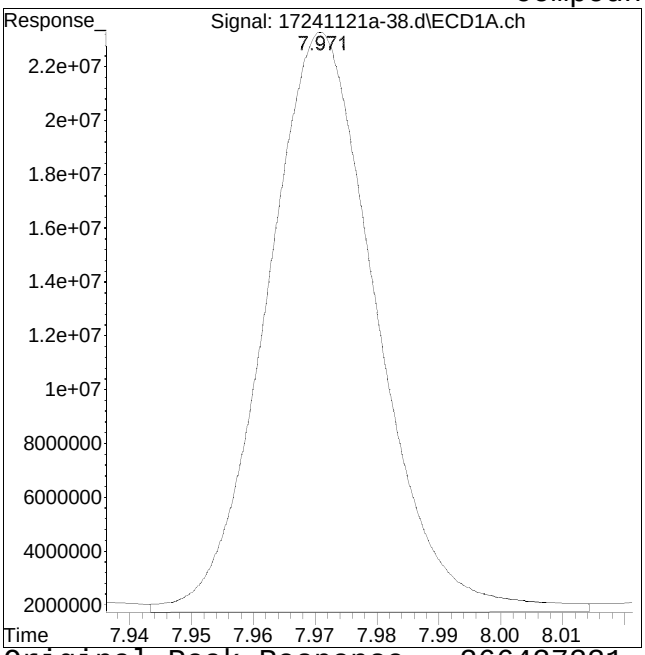


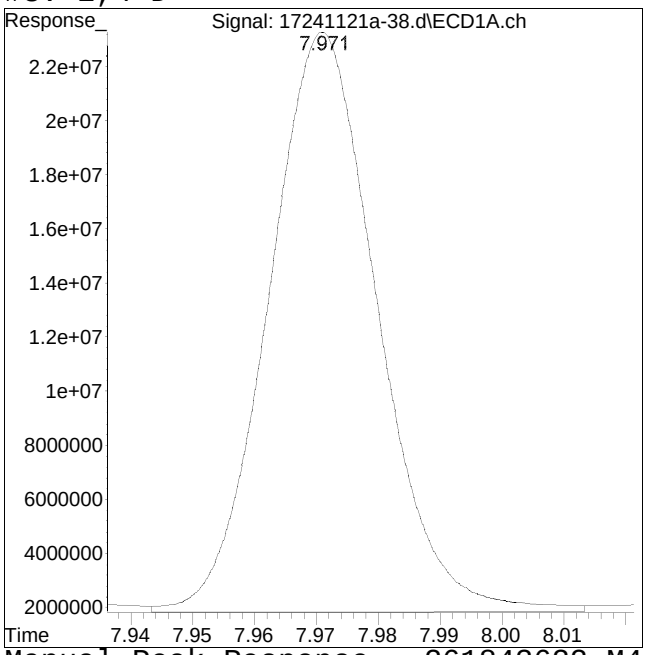
Original Peak Response = 283611589 Manual Peak Response = 281065324 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-38.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:47 am Instrument : Pest 17
Sample : WG2000586-2,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #8: 2,4-D



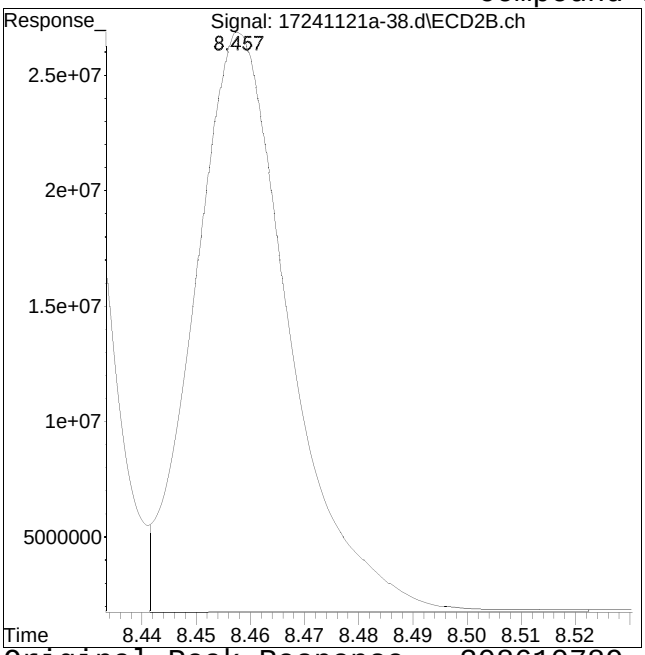


Original Peak Response = 266437331 Manual Peak Response = 261843622 M4
M4 = Poor automated baseline construction.

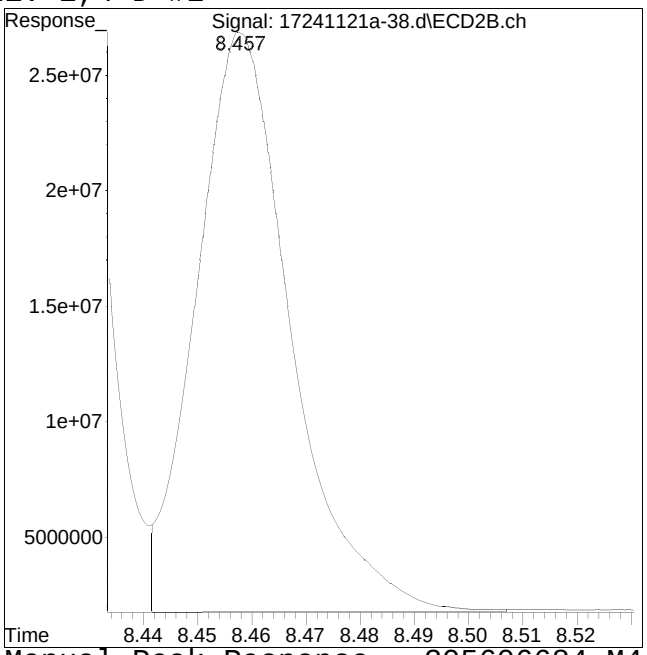
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-38.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:47 am Instrument : Pest 17
Sample : WG2000586-2,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #21: 2,4-D #2



Original Peak Response = 308610789



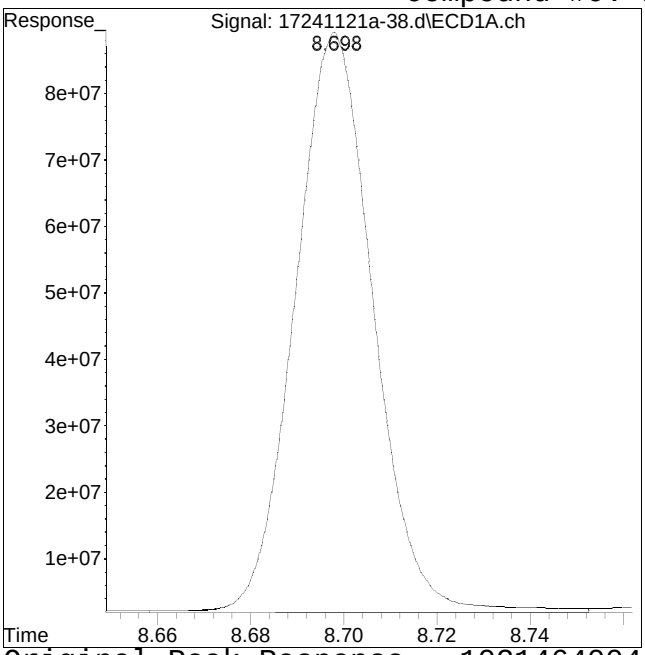
Manual Peak Response = 305606684 M4

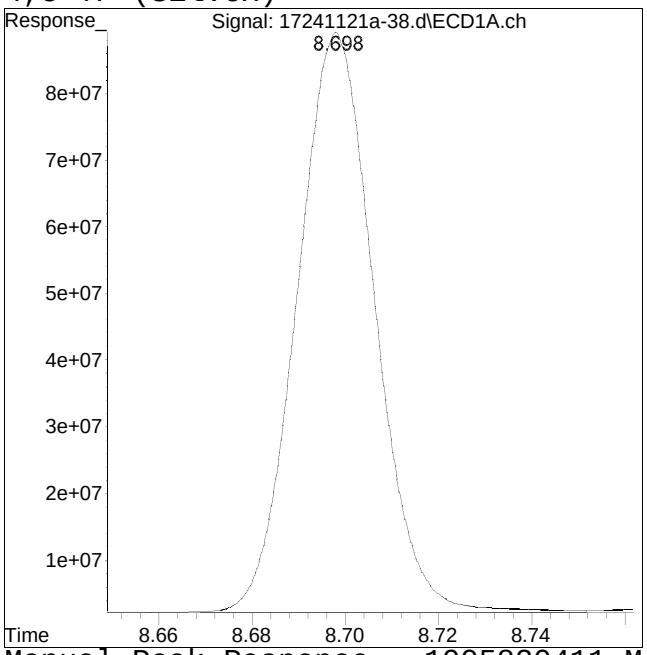
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-38.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:47 am Instrument : Pest 17
Sample : WG2000586-2,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #9: 2,4,5-TP (Silvex)



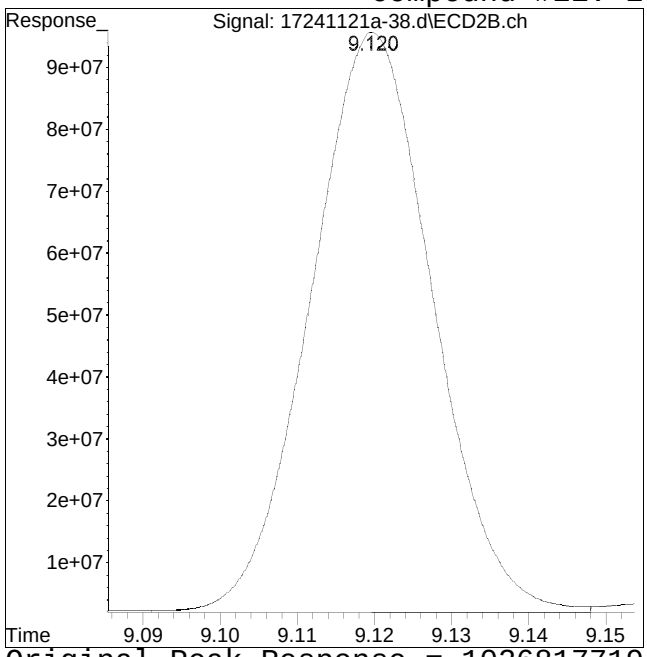


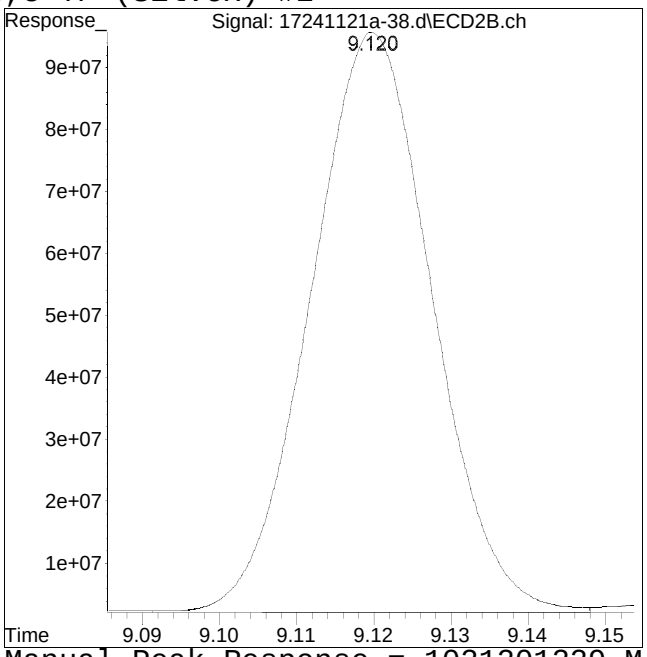
Original Peak Response = 1021464004 Manual Peak Response = 1005820411 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-38.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:47 am Instrument : Pest 17
Sample : WG2000586-2,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #22: 2,4,5-TP (Silvex) #2



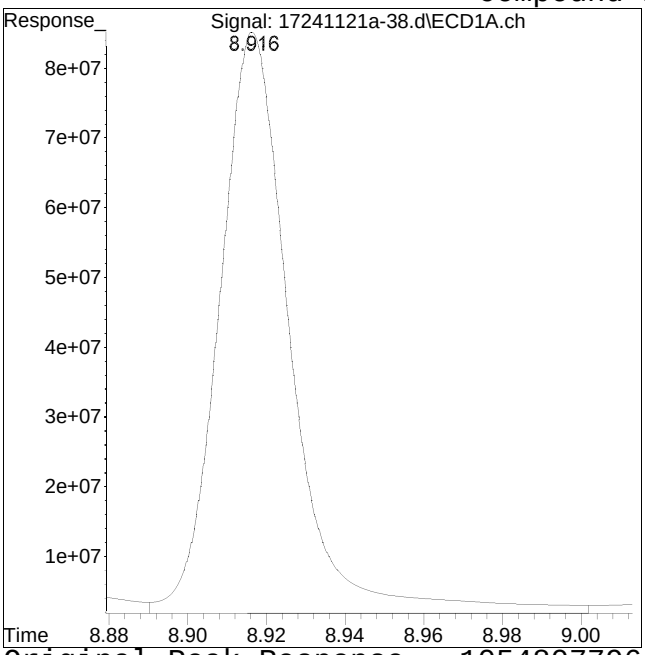


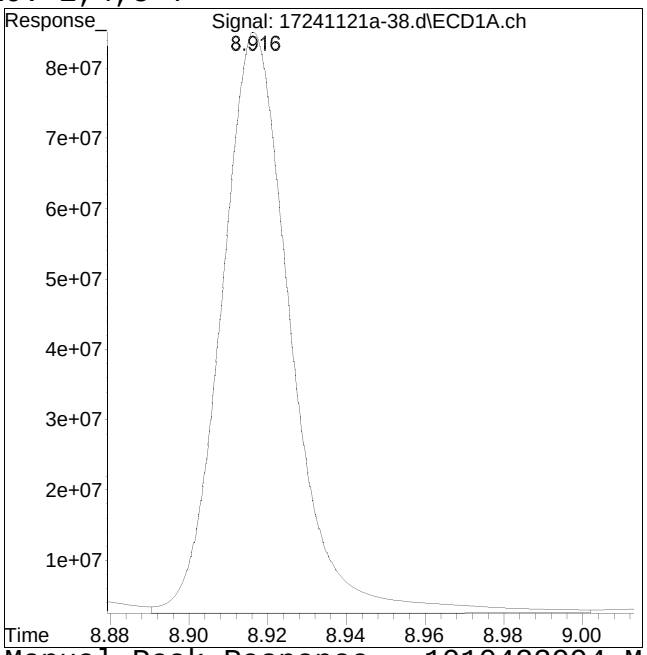
Original Peak Response = 1026817719 Manual Peak Response = 1021201229 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-38.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:47 am Instrument : Pest 17
Sample : WG2000586-2,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #10: 2,4,5-T



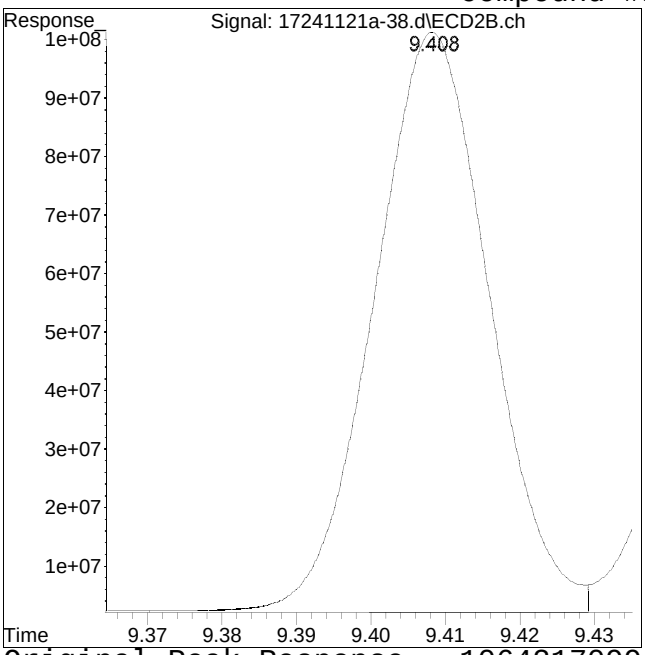


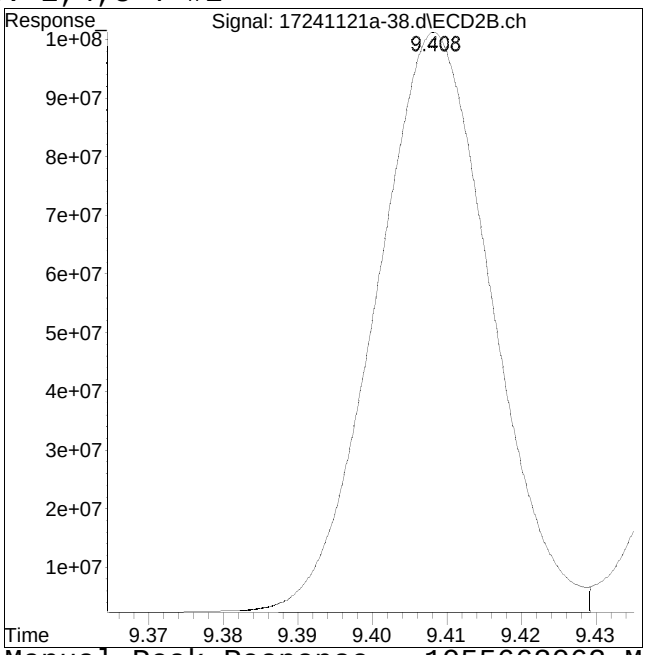
Original Peak Response = 1054807796 Manual Peak Response = 1010423994 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-38.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 1:47 am Instrument : Pest 17
Sample : WG2000586-2,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #23: 2,4,5-T #2





Original Peak Response = 1064217099 Manual Peak Response = 1055663062 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-39.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Nov 2024 2:05 am
Operator : PEST17:ejl
Sample : WG2000586-3,42,, 586 046 (Sig #1); WG2000044-3,42,, 586 046 (Sig #2)
Misc : wg2000365,WG2000586,ical21669 (Sig #1); wg2000365,WG2000044,ical21669 (Sig #2)
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 11:01:05 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-31.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	8.428	8.421	759.0E6	739.7E6	0.250M4	0.250
	Standard Area 1 : #1 = 672910844				Recovery = 112.80%		
	Standard Area 1 : #2 = 687466954				Recovery = 107.60%		
	System Monitoring Compounds						
3) s	DCAA (surrog	6.870	7.345	236.4E6	285.0E6	0.432M4	0.498
	Spiked Amount 0.500	Range 30 - 150		Recovery =	86.40%	99.60%	
	Target Compounds						
8) t	2,4-D	7.970	8.457	273.6E6	315.5E6	0.461M4	0.463M4
9) t	2,4,5-TP (Si	8.698	9.120	1044.2E6	1059.2E6	0.443M4	0.427
10) t	2,4,5-T	8.916	9.408	1060.6E6	1097.2E6	0.484M4	0.466M4
	SemiQuant Compounds - Not Calibrated on this Instrument						

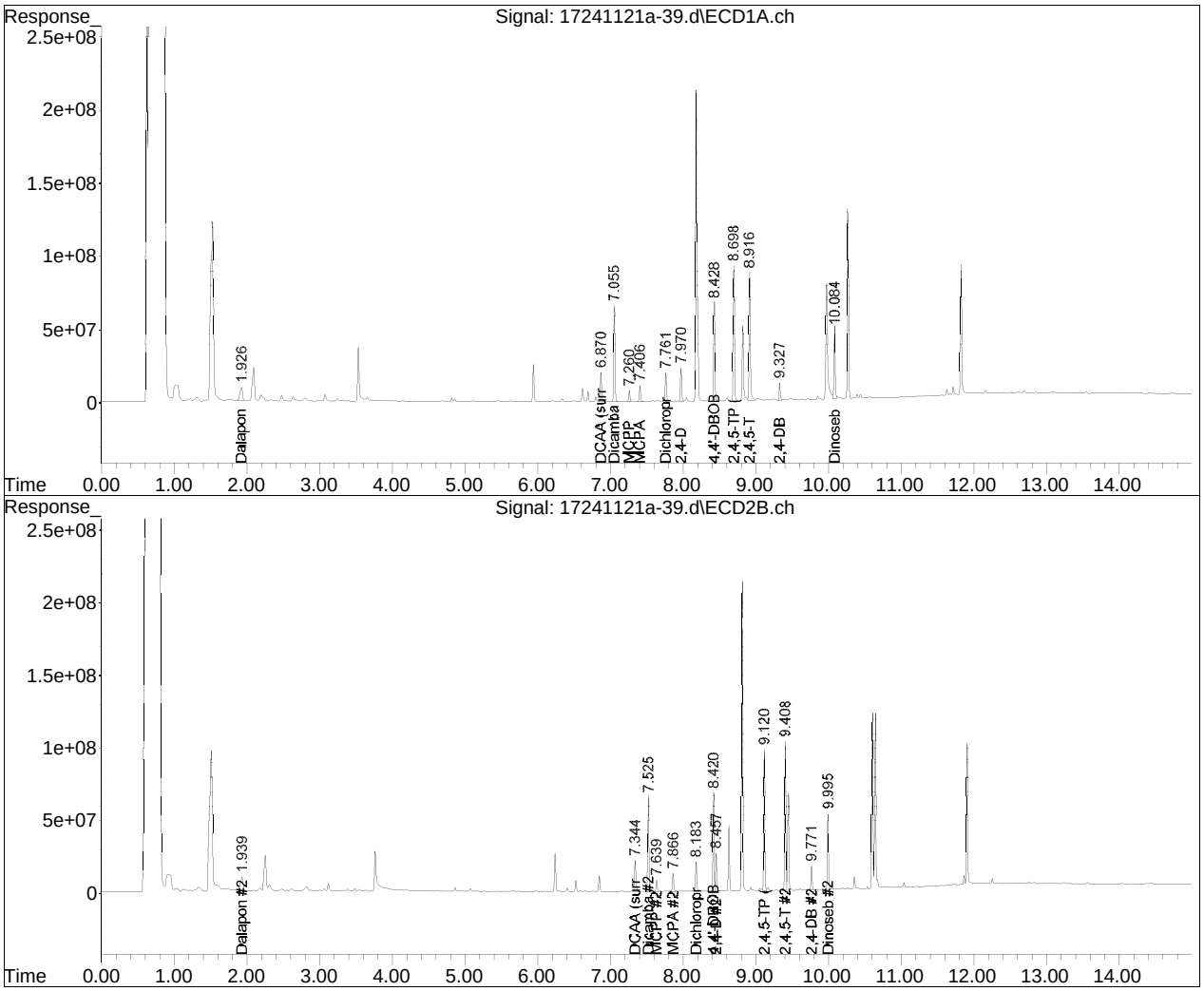
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-31.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-39.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Nov 2024 2:05 am
Operator : PEST17:ejl
Sample : WG2000586-3,42,, 586 046 (Sig #1); WG2000044-3,42,, 586 046 (Sig #
Misc : wg2000365,WG2000586,ical21669 (Sig #1); wg2000365,WG2000044,ical21
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 22 11:01:05 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

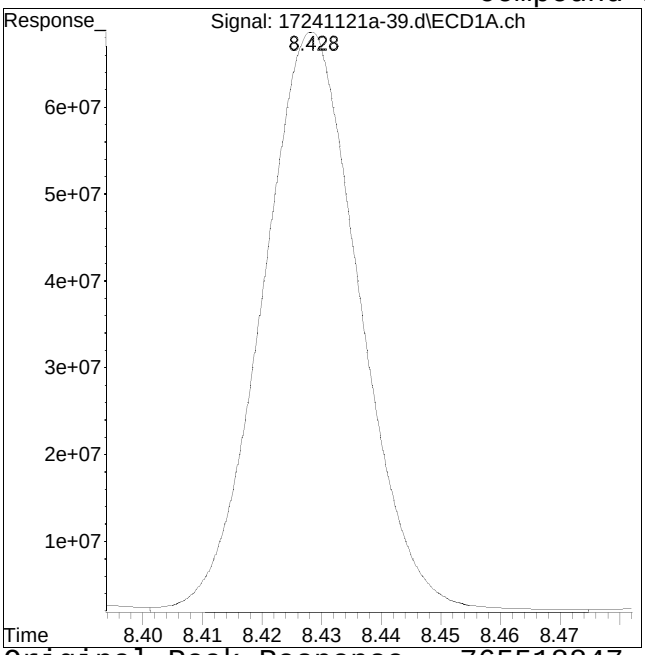
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



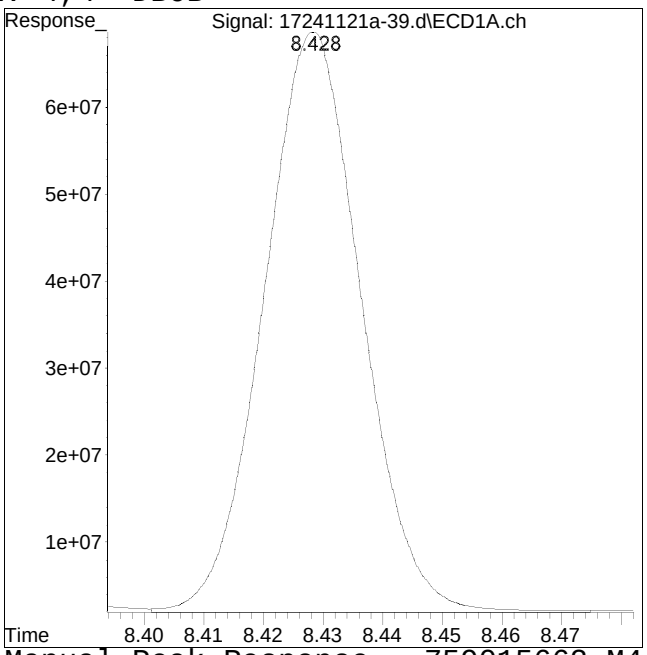
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-39.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 2:05 am Instrument : Pest 17
Sample : WG2000586-3,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #1: 4,4'-DBOB



Original Peak Response = 765518847



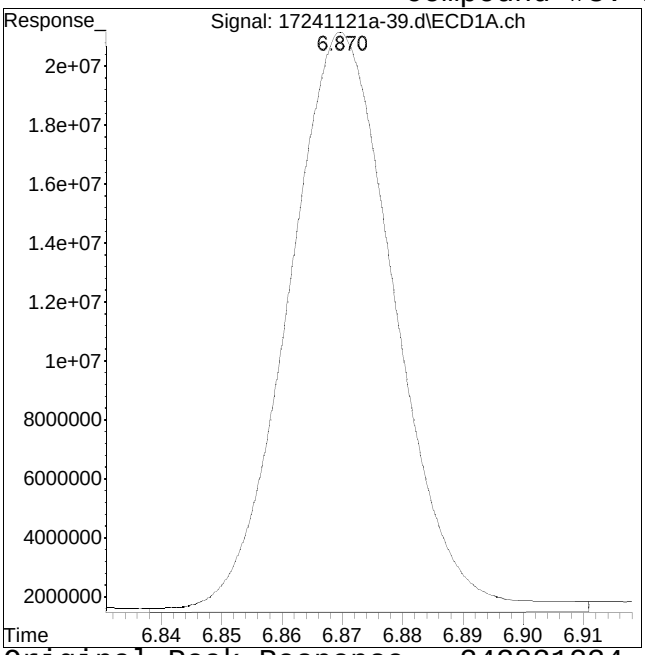
Manual Peak Response = 759015662 M4

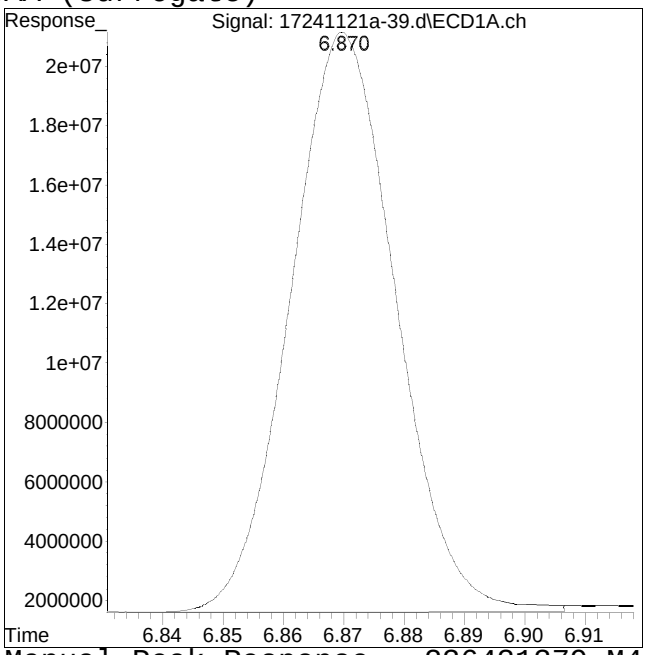
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-39.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 2:05 am Instrument : Pest 17
Sample : WG2000586-3,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #3: DCAA (surrogate)



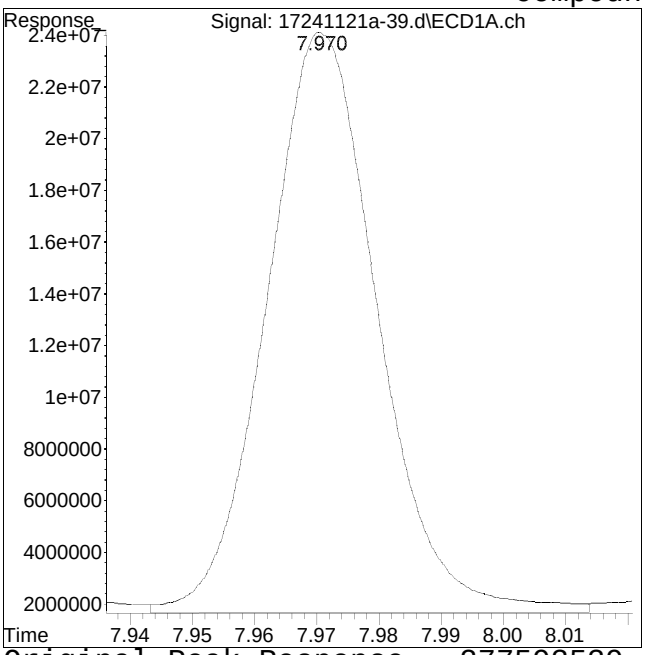


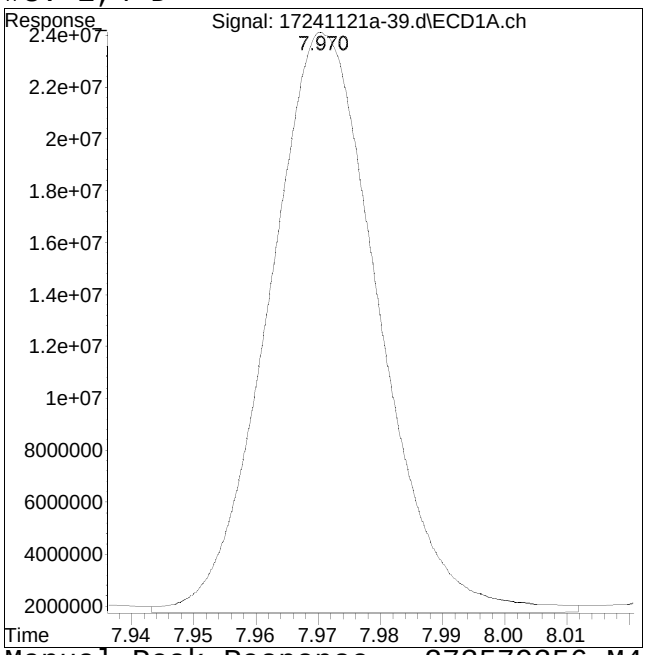
Original Peak Response = 242821234 Manual Peak Response = 236431379 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-39.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 2:05 am Instrument : Pest 17
Sample : WG2000586-3,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #8: 2,4-D



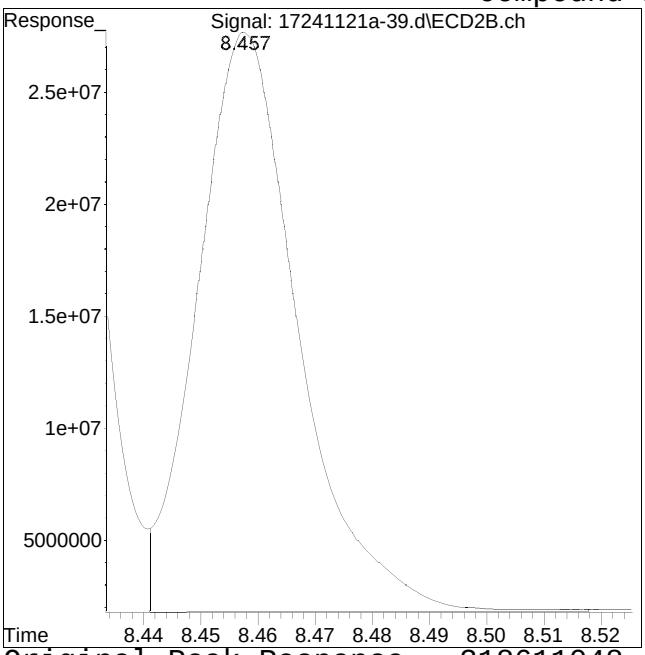


Original Peak Response = 277593539 Manual Peak Response = 273579356 M4
M4 = Poor automated baseline construction.

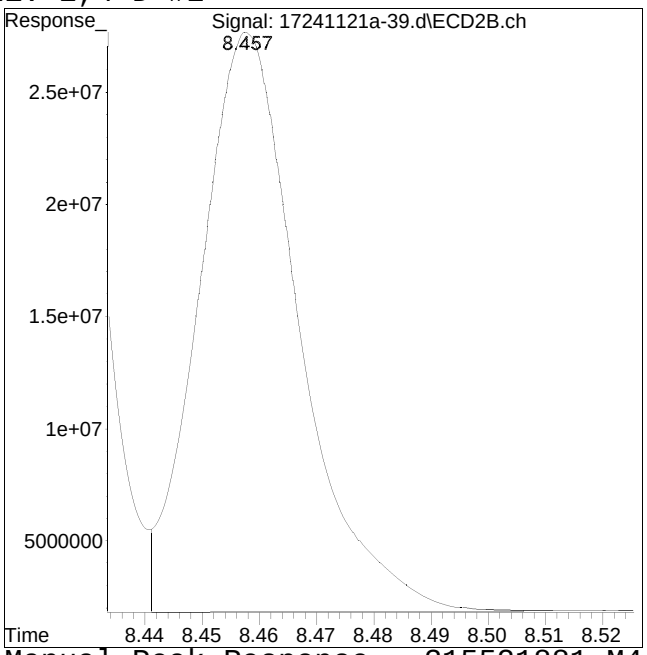
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-39.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 2:05 am Instrument : Pest 17
Sample : WG2000586-3,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #21: 2,4-D #2



Original Peak Response = 318611048



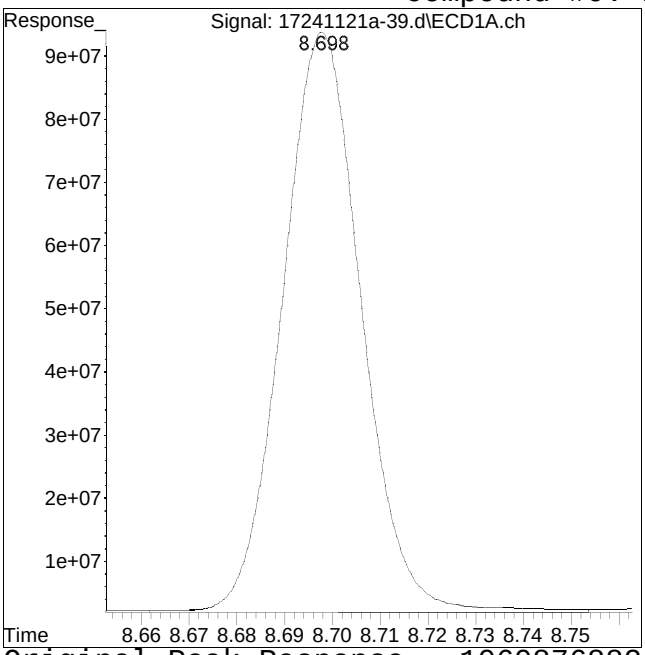
Manual Peak Response = 315521881 M4

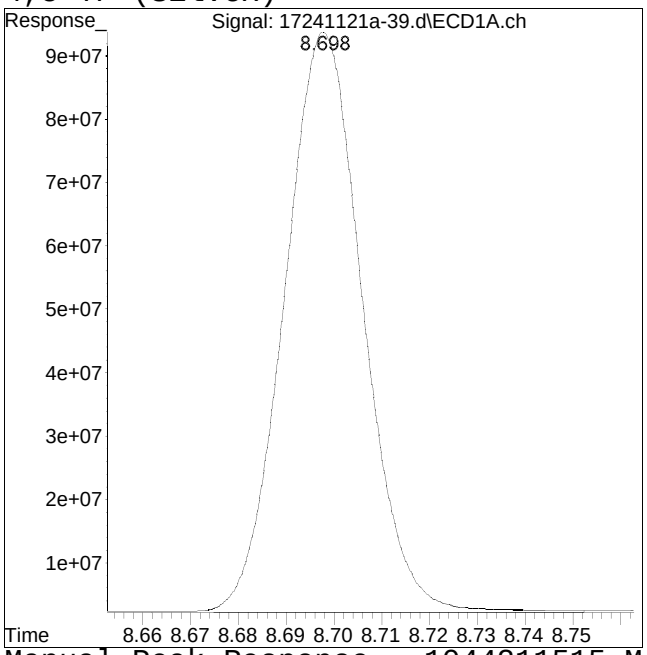
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-39.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 2:05 am Instrument : Pest 17
Sample : WG2000586-3,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #9: 2,4,5-TP (Silvex)



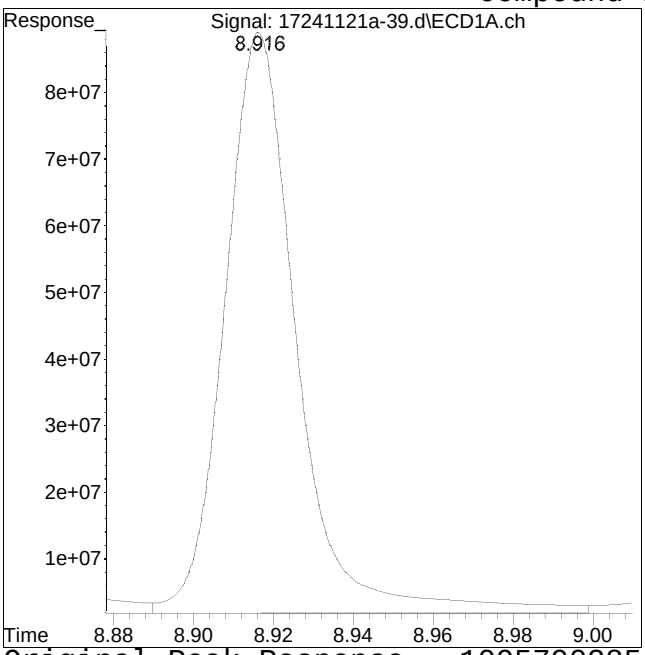


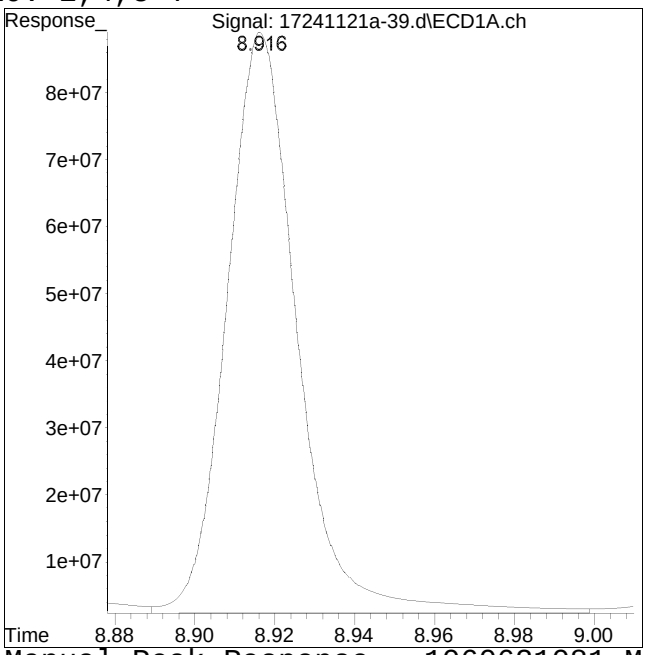
Original Peak Response = 1060876882 Manual Peak Response = 1044211515 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-39.d Operator : PEST17:ejl
Date Inj'd : 11/22/2024 2:05 am Instrument : Pest 17
Sample : WG2000586-3,42,, 586 046 Quant Date : 11/22/2024 11:01 am

Compound #10: 2,4,5-T



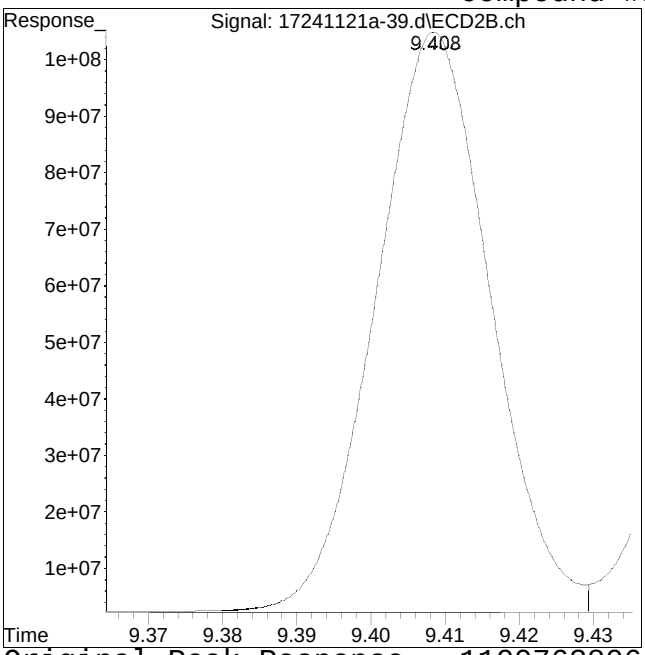


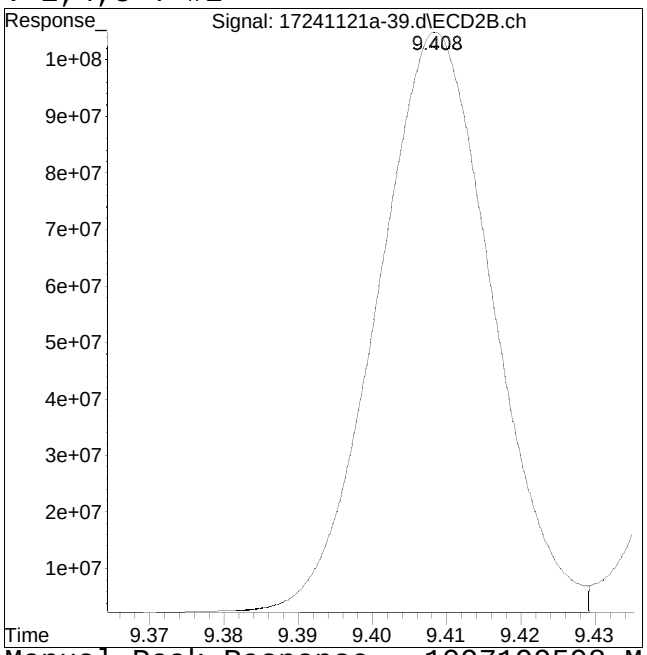
Original Peak Response = 1095790285 Manual Peak Response = 1060621081 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121Q
Data File : 17241121a-39.d
Date Inj'd : 11/22/2024 2:05 am
Sample : WG2000586-3,42,, 586 046
Method : Herb17_2024_11_04_ICAL21
Operator : PEST17:ejl
Instrument : Pest 17
Quant Date : 11/22/2024 11:01 am

Compound #23: 2,4,5-T #2





Original Peak Response = 1100763806 Manual Peak Response = 1097199598 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-87.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 1:51 pm
Operator : PEST17:ejl
Sample : WG2000586-4,42,, ms
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 87 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:13 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.420	681.4E6	759.4E6	0.250M4	0.250
Standard Area 1 : #1 = 635502203				Recovery =	107.22%	
Standard Area 1 : #2 = 646886497				Recovery =	117.39%	
System Monitoring Compounds						
3) s DCAA (surrog	6.870	7.344	167.8E6	198.1E6	0.341	0.337
Spiked Amount	0.500	Range 30 - 150		Recovery =	68.20%	67.40%
Target Compounds						
8) t 2,4-D	7.971	8.457	193.6E6	233.4E6	0.363M4	0.334
9) t 2,4,5-TP (Si	8.697	9.119	754.3E6	1097.7E6	0.356M4	0.431M4
10) t 2,4,5-T	8.916	9.408	774.6E6	820.5E6	0.394M4	0.339M4
SemiQuant Compounds - Not Calibrated on this Instrument						

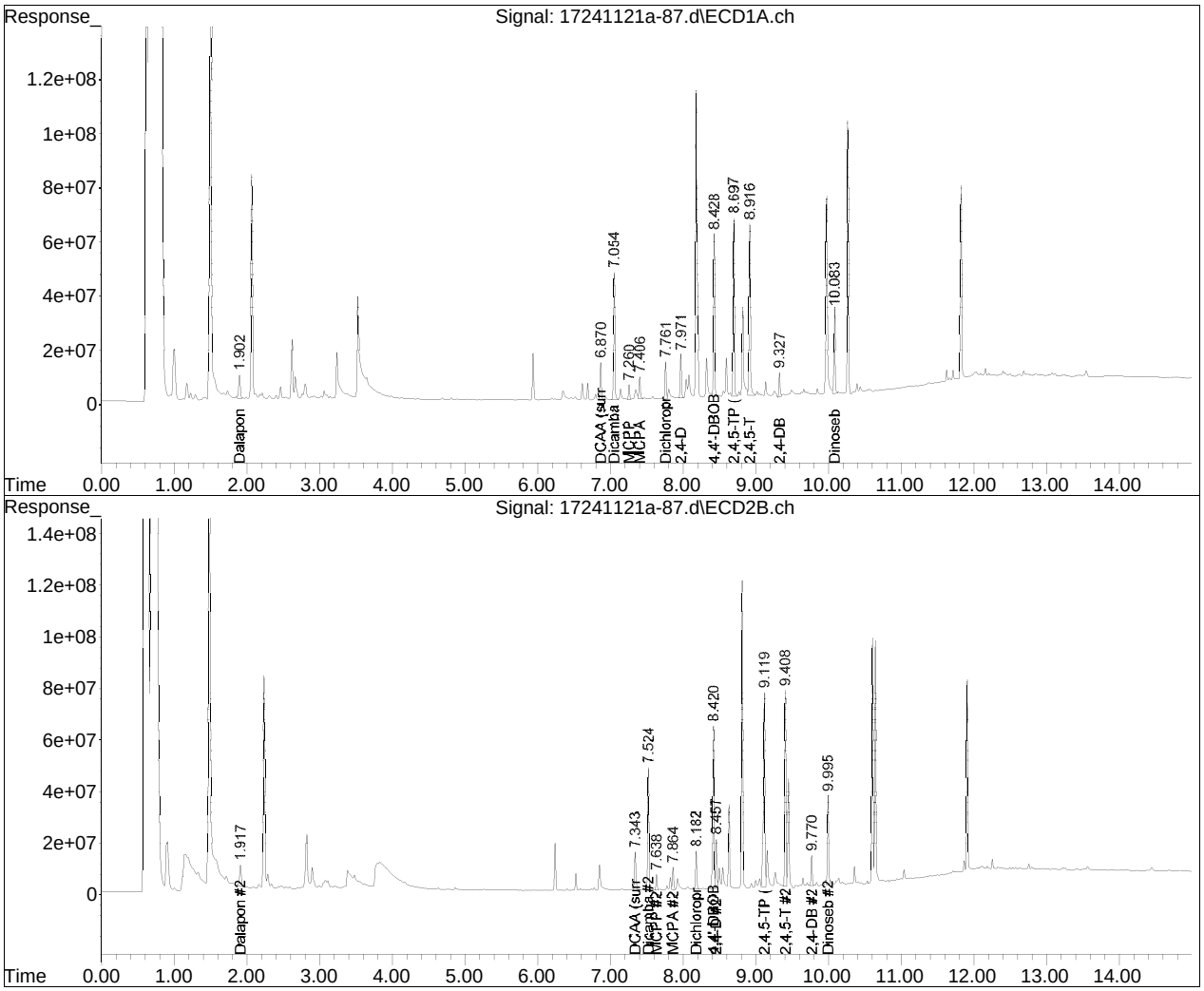
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-87.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 1:51 pm
Operator : PEST17:ejl
Sample : WG2000586-4,42,, ms
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 87 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:13 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

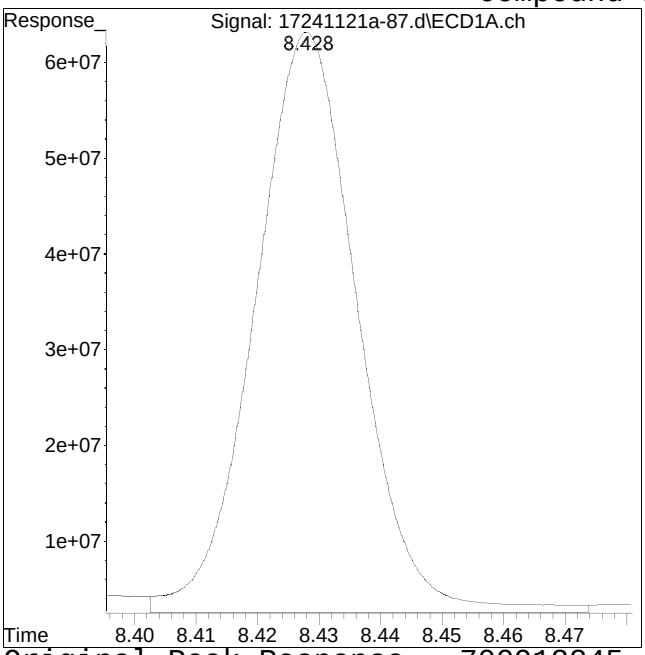
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

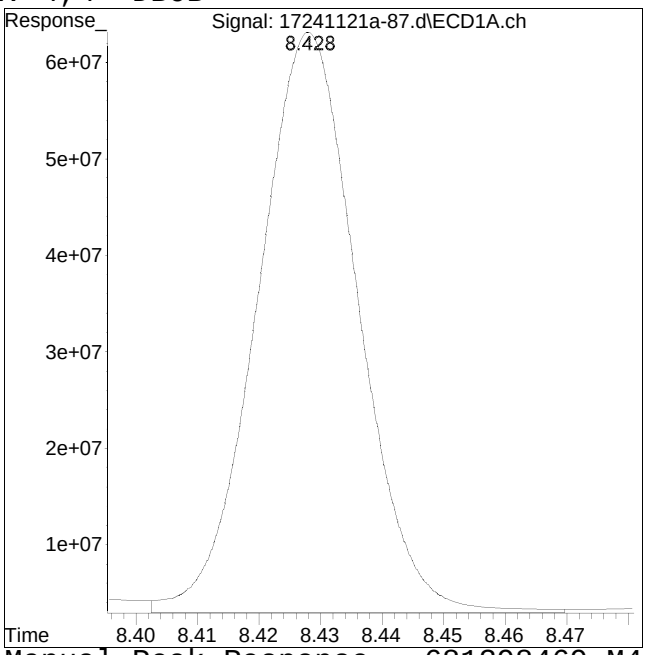


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-87.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:51 pm Instrument : Pest 17
Sample : WG2000586-4,42,, ms Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



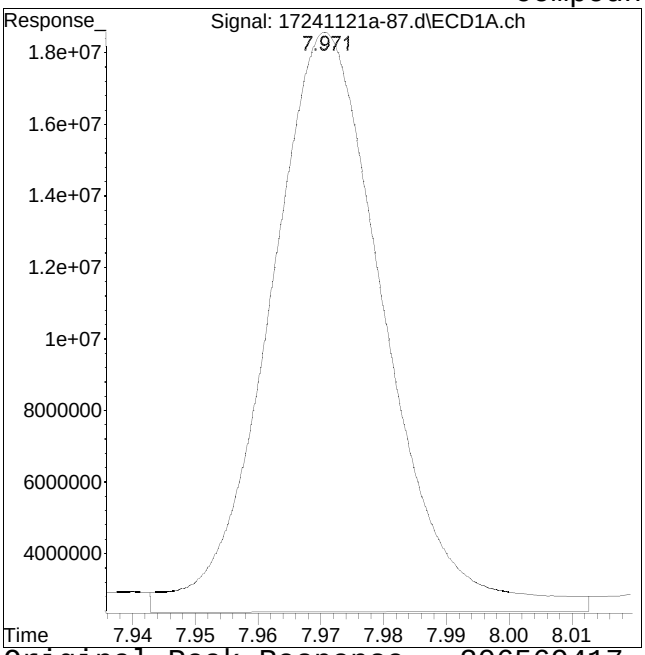


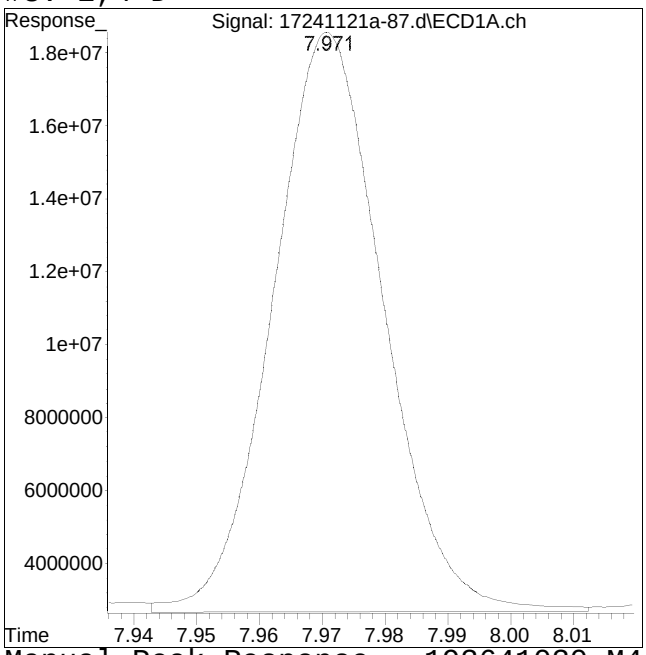
Original Peak Response = 700912245 Manual Peak Response = 681398469 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-87.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:51 pm Instrument : Pest 17
Sample : WG2000586-4,42,, ms Quant Date : 11/25/2024 10:14 am

Compound #8: 2,4-D



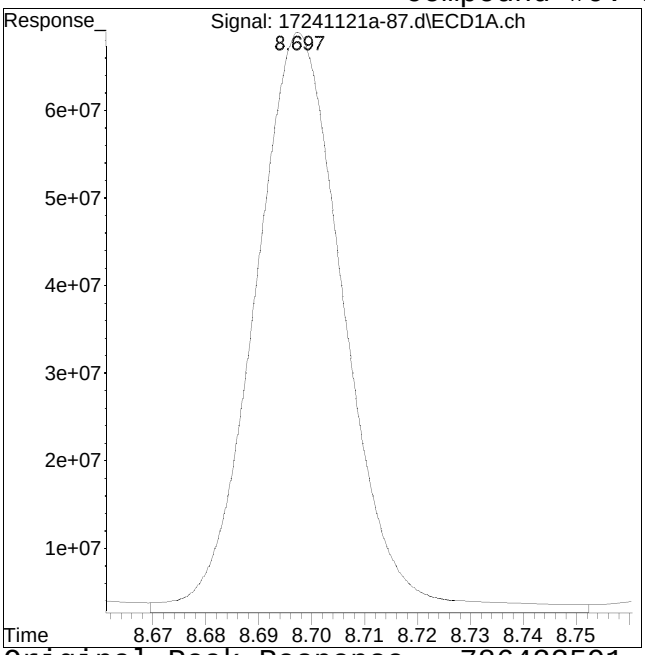


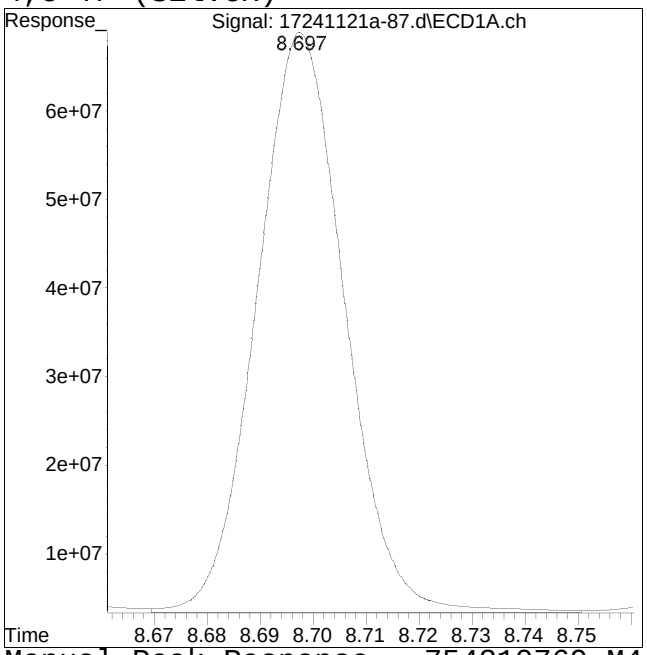
Original Peak Response = 206569417 Manual Peak Response = 193641030 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-87.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:51 pm Instrument : Pest 17
Sample : WG2000586-4,42,, ms Quant Date : 11/25/2024 10:14 am

Compound #9: 2,4,5-TP (Silvex)



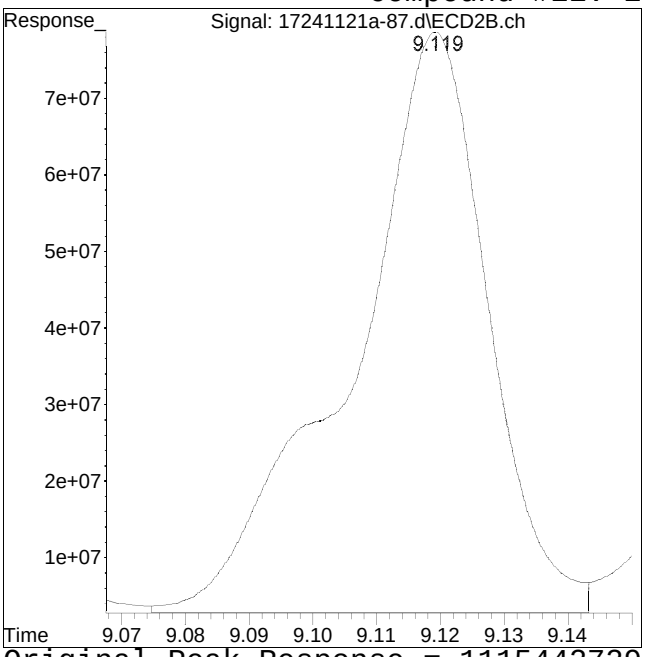


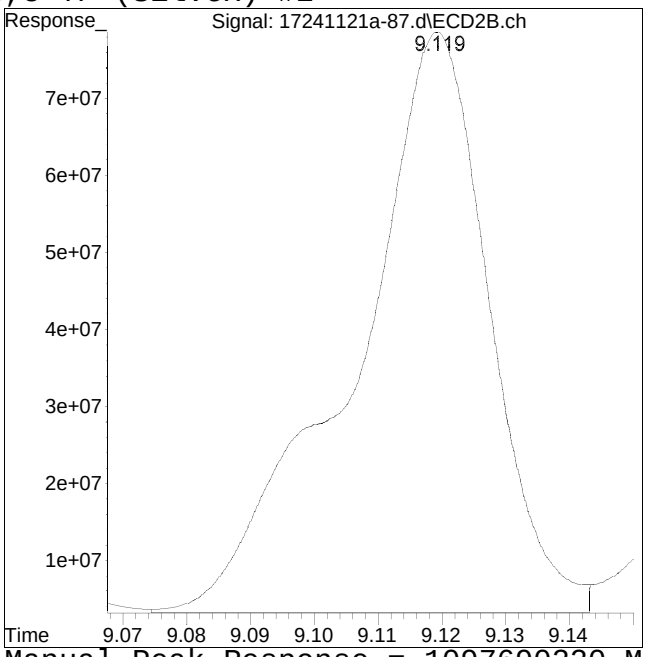
Original Peak Response = 786423591 Manual Peak Response = 754310769 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-87.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:51 pm Instrument : Pest 17
Sample : WG2000586-4,42,, ms Quant Date : 11/25/2024 10:14 am

Compound #22: 2,4,5-TP (Silvex) #2



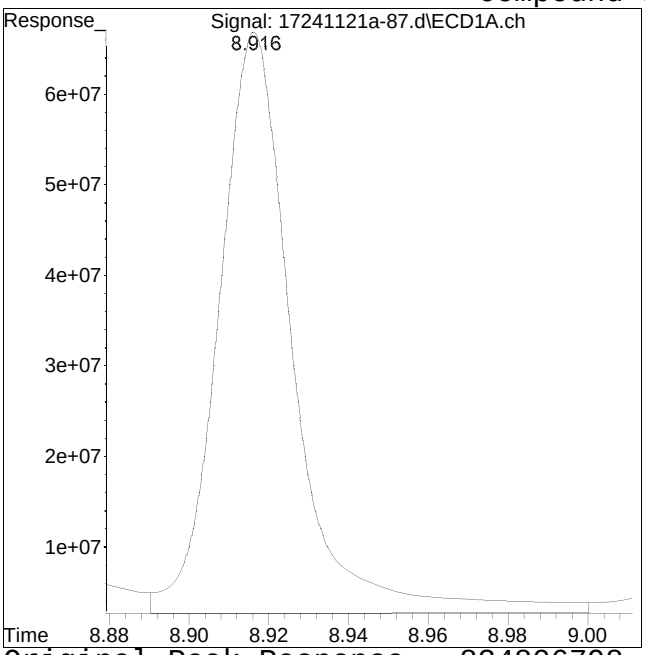


Original Peak Response = 1115442729 Manual Peak Response = 1097690220 M4
M4 = Poor automated baseline construction.

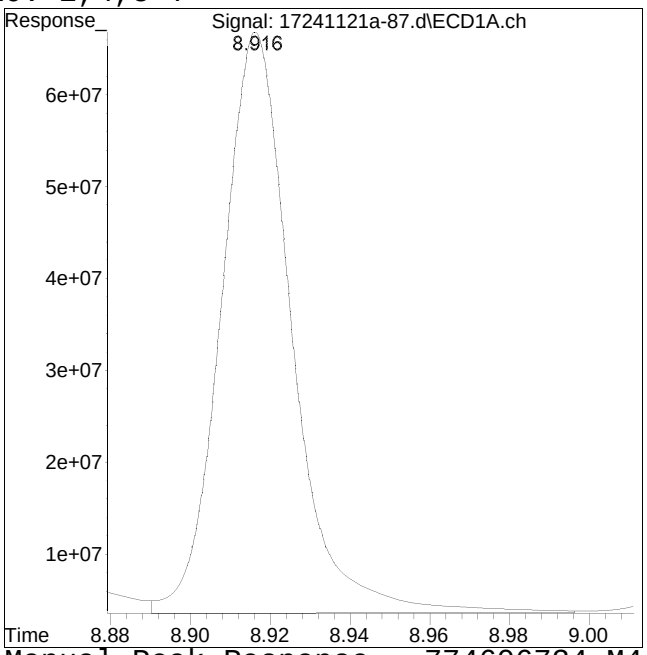
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-87.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:51 pm Instrument : Pest 17
Sample : WG2000586-4,42,, ms Quant Date : 11/25/2024 10:14 am

Compound #10: 2,4,5-T



Original Peak Response = 834806798



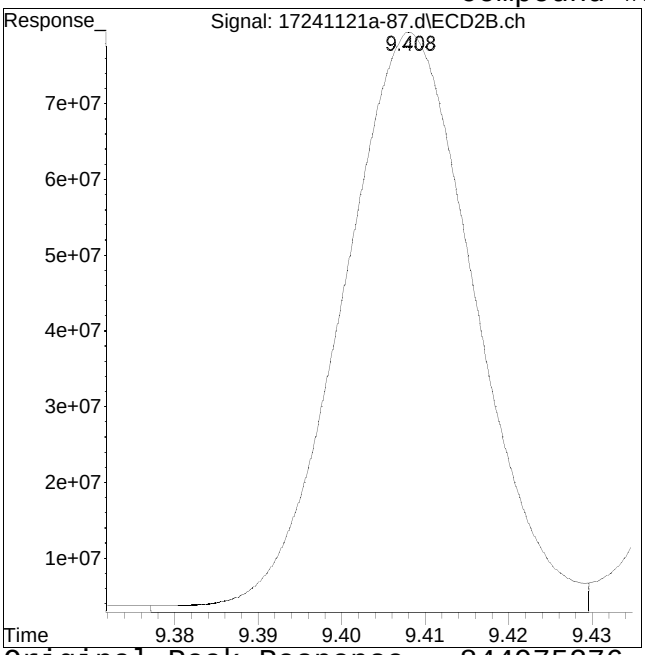
Manual Peak Response = 774606734 M4

M4 = Poor automated baseline construction.

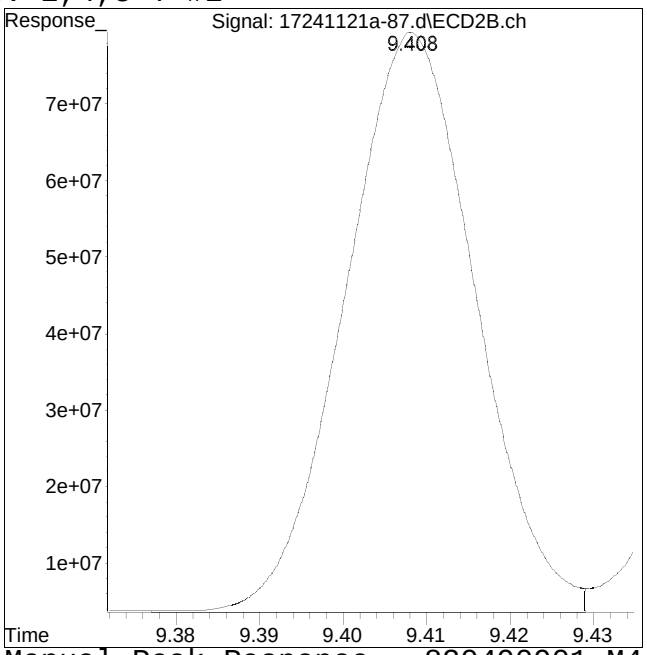
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-87.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 1:51 pm Instrument : Pest 17
Sample : WG2000586-4,42,, ms Quant Date : 11/25/2024 10:14 am

Compound #23: 2,4,5-T #2



Original Peak Response = 844975276



Manual Peak Response = 820490901 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-88.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 2:10 pm
Operator : PEST17:ejl
Sample : WG2000586-5,42,, msd
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:14 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 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\241121A\17241121a-81.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	8.428	8.420	771.4E6	817.2E6	0.250M4	0.250M3
Standard Area 1 : #1 = 635502203				Recovery =	121.39%	
Standard Area 1 : #2 = 646886497				Recovery =	126.33%	
System Monitoring Compounds						
3) s DCAA (surrog	6.870	7.344	133.9E6	159.2E6	0.240	0.252
Spiked Amount	0.500	Range 30 - 150		Recovery =	48.00%	50.40%
Target Compounds						
8) t 2,4-D	7.970	8.458	156.7E6	193.2E6	0.260M4	0.257
9) t 2,4,5-TP (Si	8.698	9.119	612.6E6	806.6E6	0.256M4	0.294M4
10) t 2,4,5-T	8.916	9.408	641.9E6	641.1E6	0.288M4	0.246M4
SemiQuant Compounds - Not Calibrated on this Instrument						

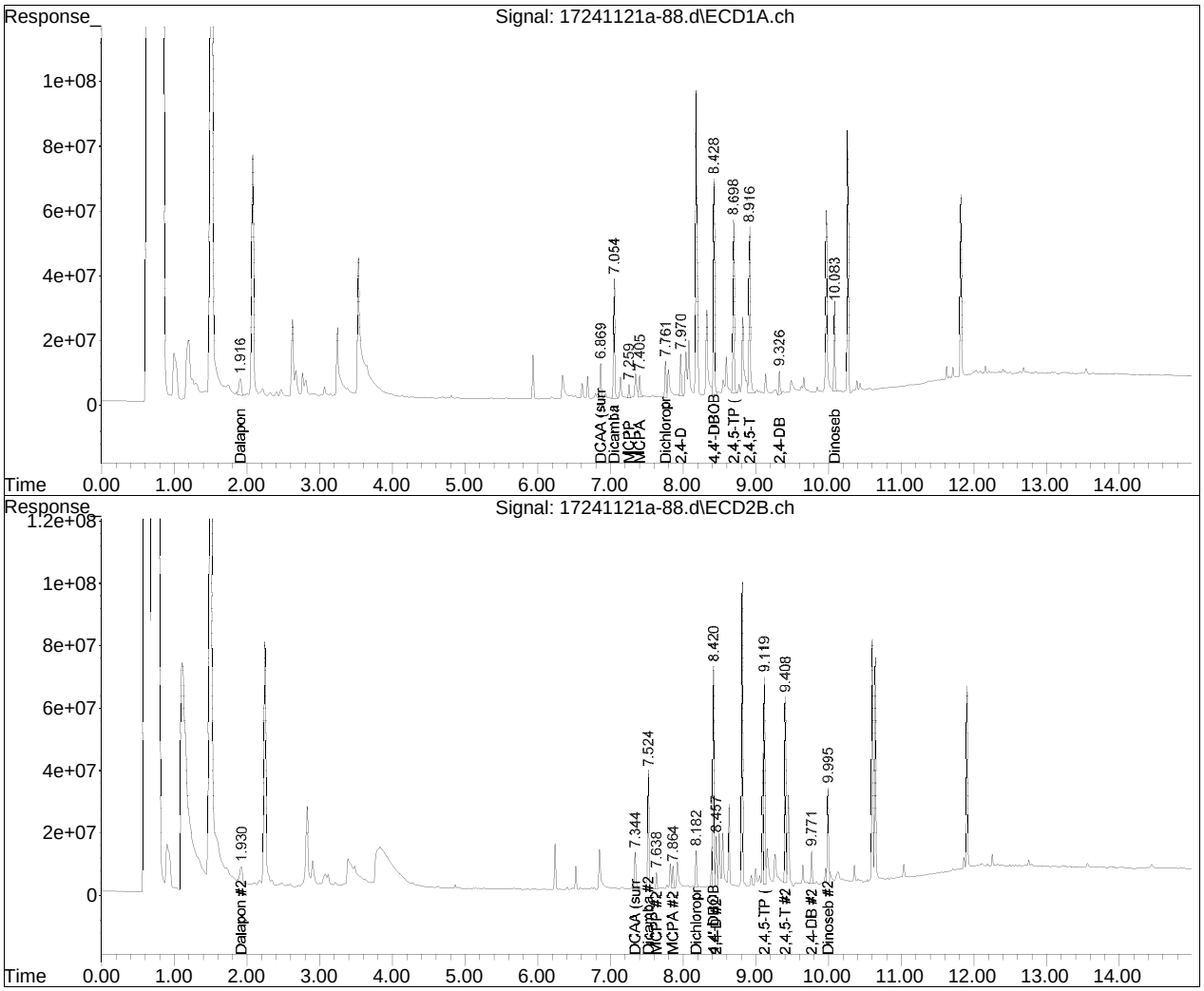
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17241121a-81.d•

Data Path : I:\PEST\Pest17\2024\241121A\
Data File : 17241121a-88.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Nov 2024 2:10 pm
Operator : PEST17:ejl
Sample : WG2000586-5,42,, msd
Misc : wg2000365,WG2000586,ical21669
ALS Vial : 88 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:14:14 2024
Quant Method : I:\PEST\Pest17\2024\241121A\Herb17_2024_11_04_ICAL21669.m
Quant Title : herb
QLast Update : Thu Nov 21 08:21:17 2024
Response via : Initial Calibration
Integrator: ChemStation

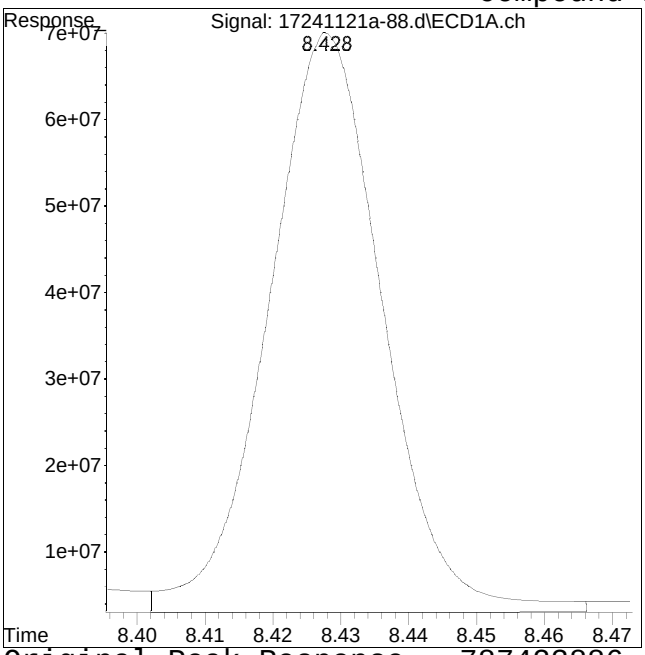
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

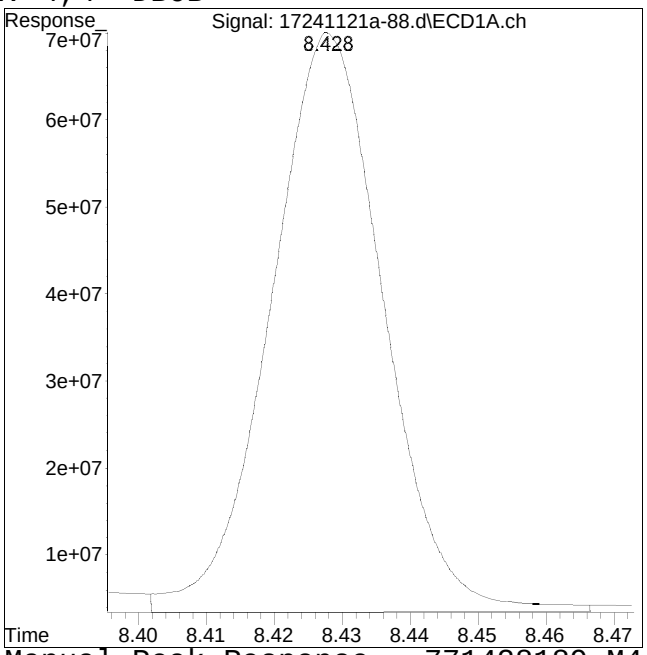


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-88.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:10 pm Instrument : Pest 17
Sample : WG2000586-5,42,, msd Quant Date : 11/25/2024 10:14 am

Compound #1: 4,4'-DBOB



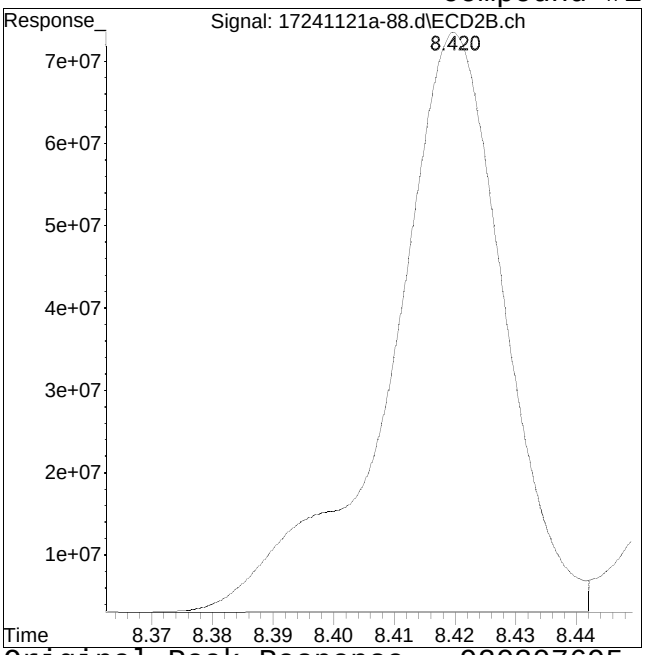


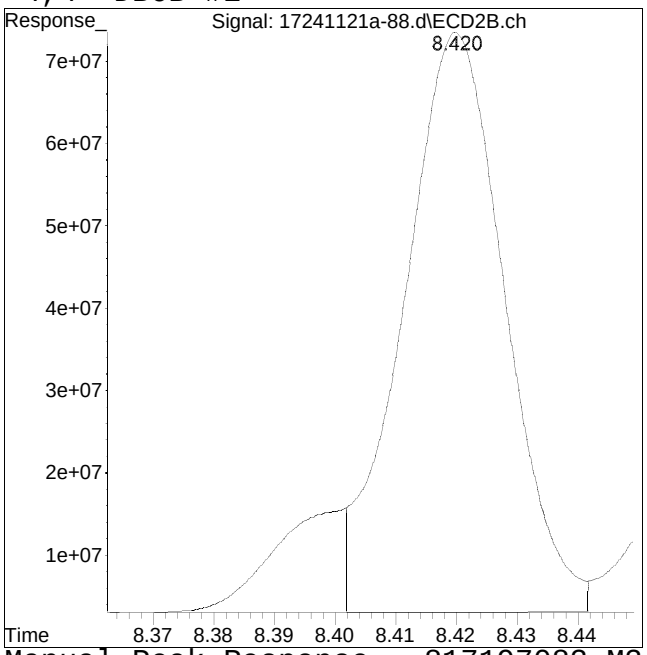
Original Peak Response = 787423886 Manual Peak Response = 771428189 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-88.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:10 pm Instrument : Pest 17
Sample : WG2000586-5,42,, msd Quant Date : 11/25/2024 10:14 am

Compound #14: 4,4'-DBOB #2



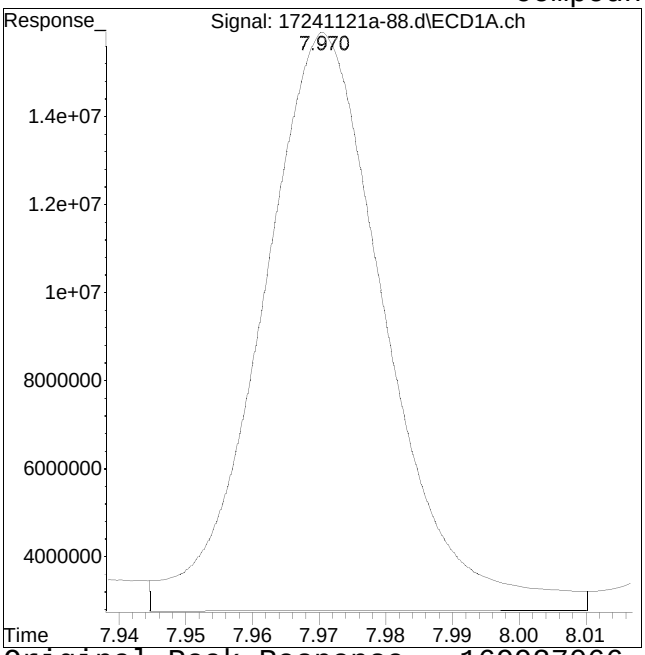


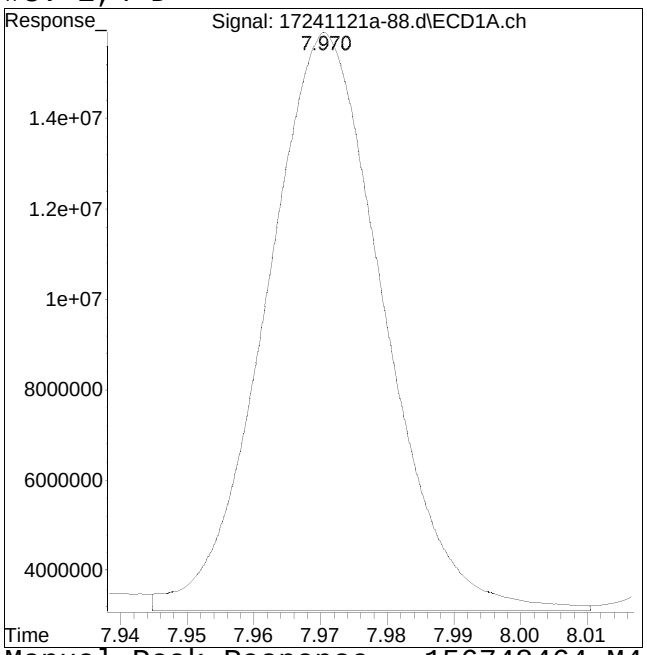
Original Peak Response = 920307695 Manual Peak Response = 817197083 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-88.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:10 pm Instrument : Pest 17
Sample : WG2000586-5,42,, msd Quant Date : 11/25/2024 10:14 am

Compound #8: 2,4-D



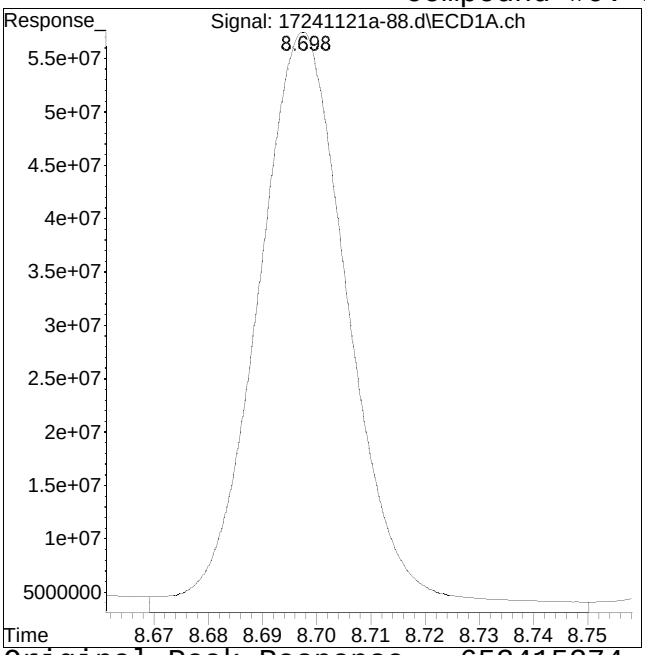


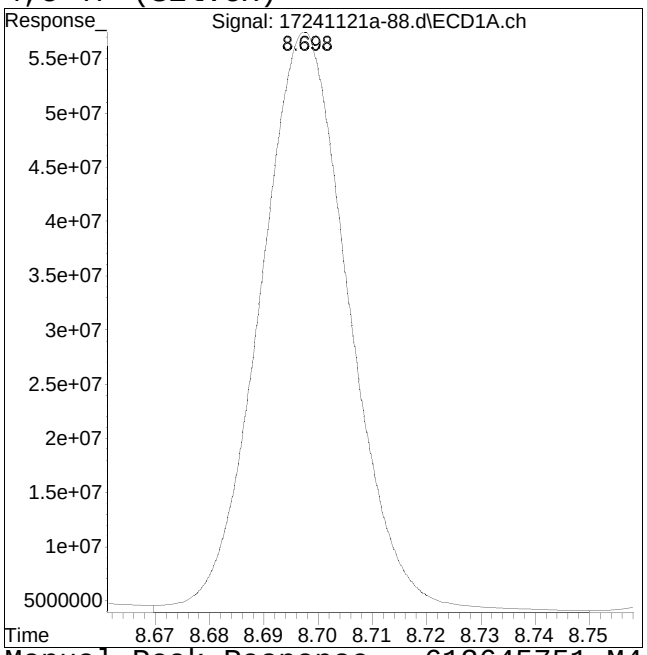
Original Peak Response = 169927066 Manual Peak Response = 156748464 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-88.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:10 pm Instrument : Pest 17
Sample : WG2000586-5,42,, msd Quant Date : 11/25/2024 10:14 am

Compound #9: 2,4,5-TP (Silvex)



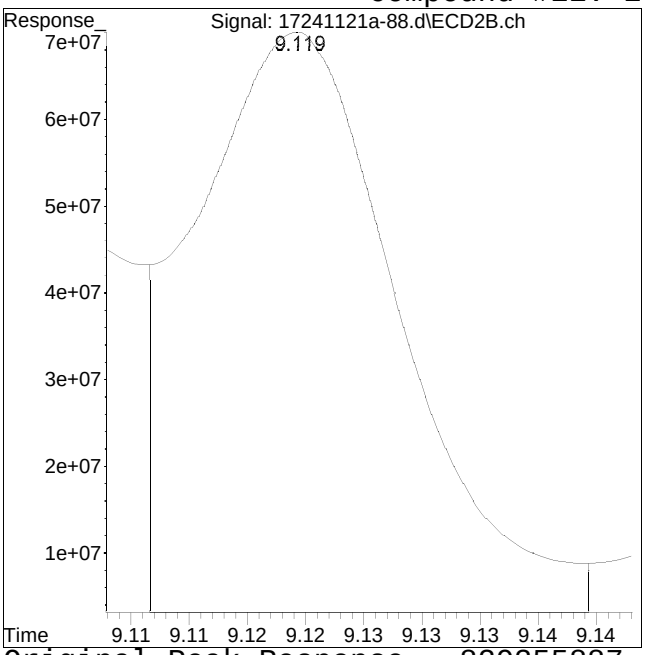


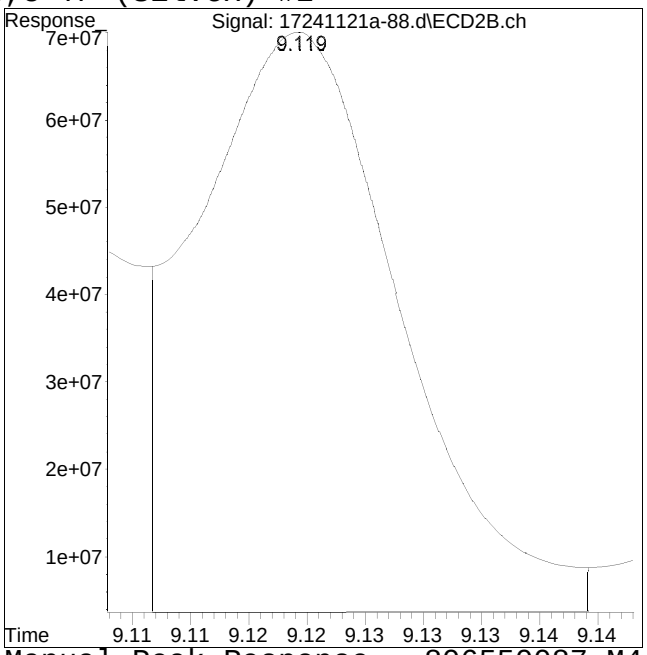
Original Peak Response = 653415374 Manual Peak Response = 612645751 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-88.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:10 pm Instrument : Pest 17
Sample : WG2000586-5,42,, msd Quant Date : 11/25/2024 10:14 am

Compound #22: 2,4,5-TP (Silvex) #2



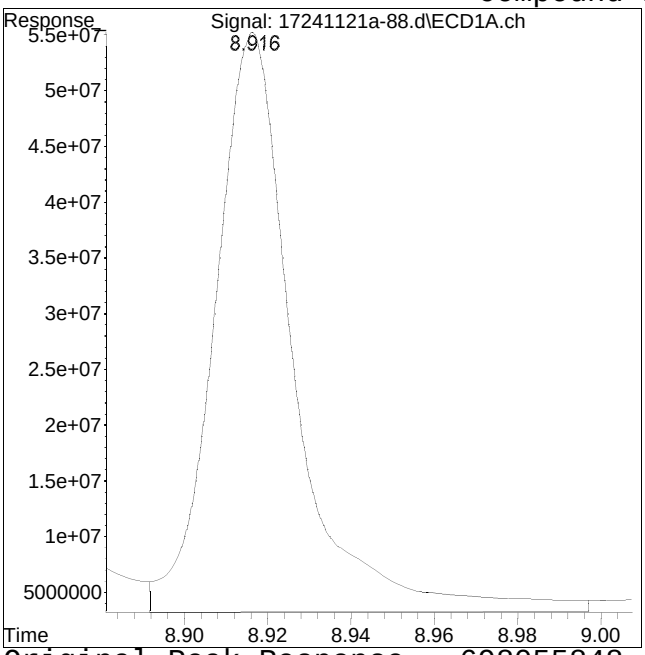


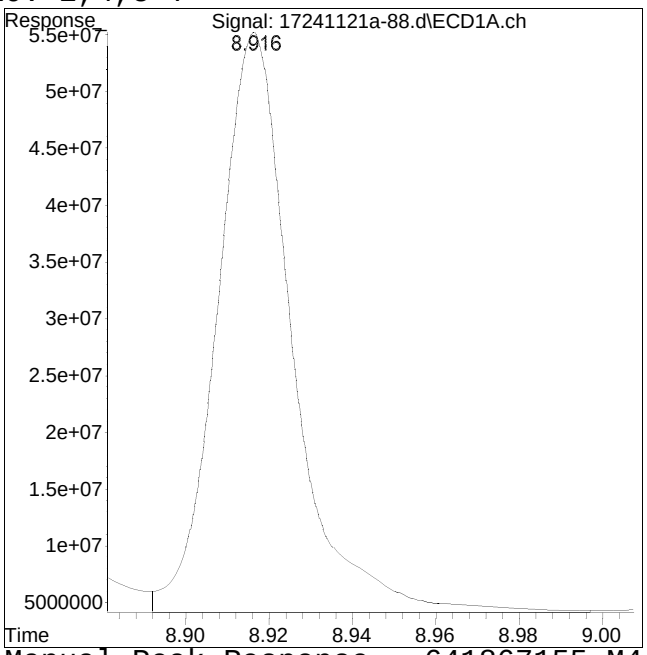
Original Peak Response = 829355887 Manual Peak Response = 806550087 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-88.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:10 pm Instrument : Pest 17
Sample : WG2000586-5,42,, msd Quant Date : 11/25/2024 10:14 am

Compound #10: 2,4,5-T



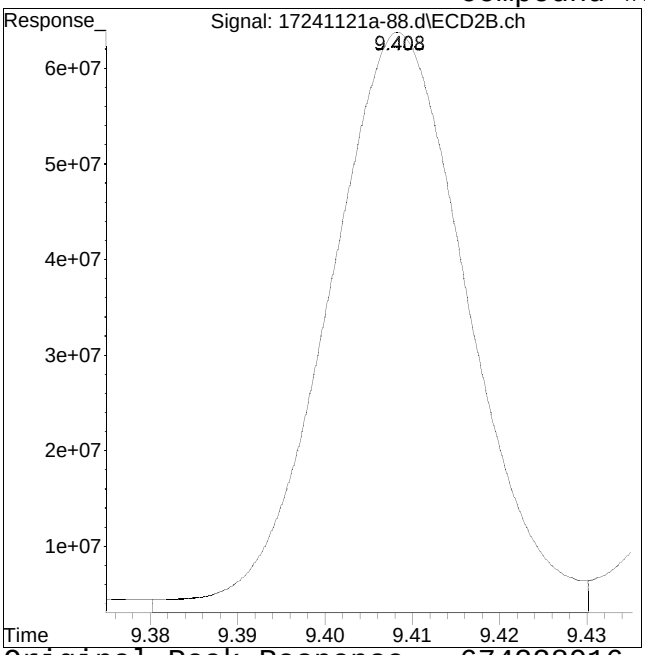


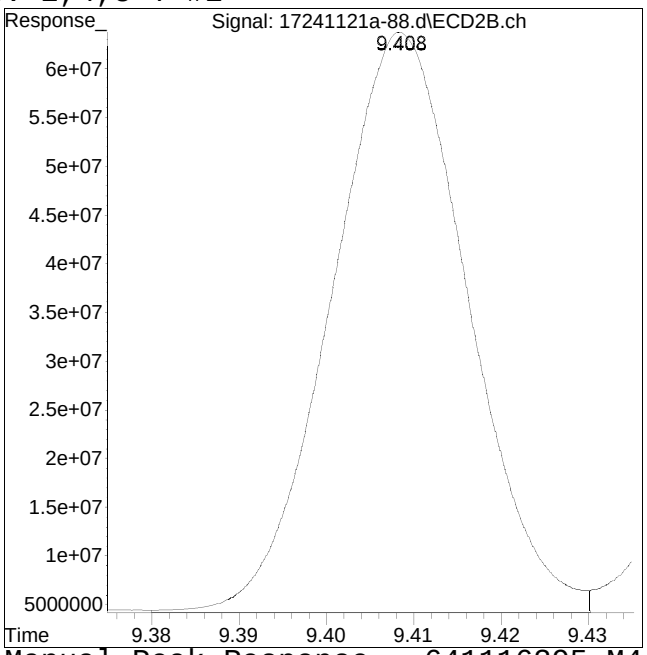
Original Peak Response = 698055848 Manual Peak Response = 641867155 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\241121QMethod : Herb17_2024_11_04_ICAL21
Data File : 17241121a-88.d Operator : PEST17:ejl
Date Inj'd : 11/23/2024 2:10 pm Instrument : Pest 17
Sample : WG2000586-5,42,, msd Quant Date : 11/25/2024 10:14 am

Compound #23: 2,4,5-T #2





Original Peak Response = 674228916 Manual Peak Response = 641116395 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: **11/04/24**
Run: ical

Method
GC: herb

Seq: WG1993691
IS: pp11738

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	17241104i-01	blank,42e,,pp 11842 ---				
2	17241104i-02	il1herb,42e,,pp 11633 L0.005/5				EJL 11/5
3	17241104i-03	il2herb,42e,,pp 11632 L0.1/10				EJL 11/5
4	17241104i-04	il3herb,42e,,pp 11631 L0.2/20				EJL 11/5
5	17241104i-05	il4herb,42e,,pp 11630 L0.5/50				EJL 11/5
6	17241104i-06	il5herb,42e,,pp 11629 L1/100				EJL 11/5
7	17241104i-07	il6herb,42e,,pp 11628 L2/200				EJL 11/5
8	17241104i-08	cicv,42e,,pp 11634 L0.2/20 ICV			peg	EJL 11/5

Dep.: PEST
Inst: PEST_17
Date: **11/21/24**
Run: a

Method
GC: herb

Seq: wg2000365
IS: pp11738

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	17241121a-01	herb11705 15% 6:36				PEG 11/21
2	17241121a-02	WG2000037-1,42,, t	t 17-nov-24 15:25			AKM 11/21
3	17241121a-03	WG2000037-2,42,, t	t 17-nov-24 15:25			AKM 11/21
4	17241121a-04	WG2000037-3,42,, t	t 17-nov-24 15:25			AKM 11/21
5	17241121a-05	L2466832-01,42,, t	t 19-nov-24 14:00			AKM 11/21
6	17241121a-06	L2467003-04,42,, t	t 19-nov-24 14:00			AKM 11/21
7	17241121a-07	L2467003-06,42,, t	t 19-nov-24 14:00			AKM 11/21
8	17241121a-08	WG2000233-1,42,, t	t 20-nov-24 06:16		peg	AKM 11/21
9	17241121a-09	WG2000233-2,42,, t	t 20-nov-24 06:16 rr			AKM 11/21
10	17241121a-10	WG2000233-3,42,, t	t 20-nov-24 06:16 rr IS high			AKM 11/21
11	17241121a-11	L2467982-01,42,,,R3B t	t 20-nov-24 06:16			AKM 11/21
12	17241121a-12	L2467881-01,42,, t	t 19-nov-24 15:15		akm	AKM 11/21
13	17241121a-13	herb11874 A: 24DB high, 18:08				EJL 11/22
14	17241121a-14	WG2000056-1,42,, 039 040 299	mcp			EJL 11/22
15	17241121a-15	WG2000056-2,42,, 039 040 299	mcp			EJL 11/22
16	17241121a-16	WG2000056-3,42,, 039 040 299	mcp			EJL 11/22
17	17241121a-17	L2467794-03,42,,	nots			EJL 11/22
18	17241121a-18	L2467794-04,42,,	nots			EJL 11/22
19	17241121a-19	L2467794-05,42,,	nots			EJL 11/22
20	17241121a-20	L2467794-06,42,,	nots			EJL 11/22
21	17241121a-21	L2467794-07,42,,	nots			EJL 11/22
22	17241121a-22	L2467794-08,42,, p	nots			EJL 11/22
23	17241121a-23	WG2000056-4,42,, ms				EJL 11/22
24	17241121a-24	WG2000056-5,42,, msd				EJL 11/22
25	17241121a-25	L2467925-01,42,,	nots			EJL 11/22
26	17241121a-26	L2467925-02,42,, p	nots			EJL 11/22
27	17241121a-27	WG2000039-4,42,, ms				EJL 11/22
28	17241121a-28	WG2000039-5,42,, msd				EJL 11/22
29	17241121a-29	L2465532-04,42,,,R5E	nots			EJL 11/22
30	17241121a-30	L2465532-06,42,,,R5E	nots			EJL 11/22
31	17241121a-31	herb11874 15%, 23:38				EJL 11/22
32	17241121a-32	L2467296-02,42,,	nots			EJL 11/22
33	17241121a-33	L2467935-01,42,,	nots			EJL 11/22
34	17241121a-34	L2467942-01,42,,	nots			EJL 11/22
35	17241121a-35	L2467946-01,42,,	nots			EJL 11/22
36	17241121a-36	L2467522-01,42,, mcp				EJL 11/22
37	17241121a-37	WG2000044-1,42,, 586 046				EJL 11/22
38	17241121a-38	WG2000044-2,42,, 586 046				EJL 11/22
39	17241121a-39	WG2000044-3,42,, 586 046				EJL 11/22
40	17241121a-40	L2467656-01,42,,				EJL 11/22
41	17241121a-41	L2467650-16,42,,				EJL 11/22
42	17241121a-42	L2467925-06,42,,			jag	EJL 11/22
43	17241121a-43	L2468168-01,42,,,R3B				EJL 11/22
44	17241121a-44	L2468280-01,42,,,R3B				EJL 11/22
45	17241121a-45	herb11874 15%, 11:48 (11/22)				EJL 11/22

Dep.: PEST
Inst: PEST_17
Date: **11/21/24**
Run: a

Method
GC: herb

Seq: wg2000365
IS: pp11738

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
46	17241121a-46	L2467958-03,42,,,R3C p				EJL 11/22
47	17241121a-47	WG2000040-4,42,, ms				EJL 11/22
48	17241121a-48	WG2000040-5,42,, msd			peg	EJL 11/22
49	17241121a-49	WG2000612-1,42,, 608 603		EJL		EJL 11/25
50	17241121a-50	WG2000612-2,42,, 608 603				EJL 11/25
51	17241121a-51	WG2000612-3,42,, 608 603				EJL 11/25
52	17241121a-52	L2468261-01,42,,				EJL 11/25
53	17241121a-53	L2468268-01,42,,				EJL 11/25
54	17241121a-54	L2468268-03,42,, mcp				EJL 11/25
55	17241121a-55	herb11874	15%, 22:32 (11/22)			JAG 11/23
56	17241121a-56	L2468450-01,42,, mcp		EJL		EJL 11/25
57	17241121a-57	L2468450-02,42,,				EJL 11/25
58	17241121a-58	L2468450-03,42,,				EJL 11/25
59	17241121a-59	L2468450-04,42,,				EJL 11/25
60	17241121a-60	L2468454-01,42,,				EJL 11/25
61	17241121a-61	L2468454-02,42,,				EJL 11/25
62	17241121a-62	L2468456-01,42,,				EJL 11/25
63	17241121a-63	L2468494-01,42,,				EJL 11/25
64	17241121a-64	L2468549-01,42,,	nots			EJL 11/25
65	17241121a-65	L2468549-03,42,,	nots			EJL 11/25
66	17241121a-66	herb11874	15%, 01:54 (11/23)			JAG 11/23
67	17241121a-67	L2467883-01,42,,		EJL		EJL 11/25
68	17241121a-68	L2468274-01,42,,	nots			EJL 11/25
69	17241121a-69	L2468311-01,42,,,R1D				EJL 11/25
70	17241121a-70	L2468311-02,42,,,R1D				EJL 11/25
71	17241121a-71	WG2001042-1,42,, t	t 21-NOV-24 16:00			EJL 11/25
72	17241121a-72	WG2001042-2,42,, t	t 21-NOV-24 16:00			EJL 11/25
73	17241121a-73	WG2001042-3,42,, t	t 21-NOV-24 16:00			EJL 11/25
74	17241121a-74	L2468018-01,42,,,R3C t	surr low, rv/re-ex	EJL		
75	17241121a-75	L2468259-09,42,,,R3B t	t 21-NOV-24 16:00			EJL 11/25
76	17241121a-76	L2468259-10,42,,,R3B t	t 21-NOV-24 16:00		jag	EJL 11/25
77	17241121a-77	blank				
78	17241121a-78	L2468219-03,42,,		EJL		EJL 11/25
79	17241121a-79	L2468219-04,42,,				EJL 11/25
80	17241121a-80	L2468448-01,42,,				EJL 11/25
81	17241121a-81	herb11874	A; 24DB high, 12:01 (11/23)			EJL 11/25
82	17241121a-82	L2467934-01,42,,		EJL		EJL 11/25
83	17241121a-83	L2467934-02,42,,				EJL 11/25
84	17241121a-84	L2467934-03,42,,				EJL 11/25
85	17241121a-85	L2467934-04,42,,				EJL 11/25
86	17241121a-86	L2467934-05,42,, p				EJL 11/25
87	17241121a-87	WG2000586-4,42,, ms				EJL 11/25
88	17241121a-88	WG2000586-5,42,, msd				EJL 11/25
89	17241121a-89	L2467934-06,42,,				EJL 11/25
90	17241121a-90	L2467934-07,42,,				EJL 11/25

Dep.: PEST
Inst: PEST_17
Date: **11/21/24**
Run: a

Method
GC: herb

Seq: wg2000365
IS: pp11738

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
91	17241121a-91	L2467934-08,42,,				EJL 11/25
92	17241121a-92	L2467934-09,42,,				EJL 11/25
93	17241121a-93	L2467934-10,42,,				EJL 11/25
94	17241121a-94	herb11874	15%, 16:00 (11/23)			EJL 11/25
95	17241121a-95	L2468430-03,42,,		EJL	jag	EJL 11/25

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 26 2024, 09:28 am

Work Group: WG2000586 for Department: 2 Organic Preparation

Created: 21-NOV-24 Due: Operator: GYN

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467934-01	MW-1S	S	HERB-APA	WATER	DONE	U	1125	1126	S0	Amber-A1
L2467934-02	MW-2S	S	HERB-APA	WATER	DONE	U	1125	1126	S0	Amber-A1
L2467934-03	MW-3S	S	HERB-APA	WATER	DONE	U	1125	1126	S0	Amber-A1
L2467934-04	MW-4D	S	HERB-APA	WATER	DONE	U	1126	1126	S0	Amber-A1
L2467934-05	MW-5S	S	HERB-APA	WATER	DONE	U	1126	1126	S0	Amber-A1
L2467934-06	MW-6D	S	HERB-APA	WATER	DONE	U	1125	1126	S0	Amber-A1
L2467934-07	MW-7S	S	HERB-APA	WATER	DONE	U	1125	1126	S0	Amber-A1
L2467934-08	MW-8S	S	HERB-APA	WATER	DONE	U	1125	1126	S0	Amber-A1
L2467934-09	DUP	S	HERB-APA	WATER	DONE	U	1125	1126	S0	Amber-A1
L2467934-10	FIELD BLANK	S	HERB-APA	WATER	DONE	U	1125	1126	S0	Amber-A1
WG2000586-1	Laboratory Method Bl	S	HERB-APA	WATER	DONE	U				
WG2000586-2	Laboratory Control S	S	HERB-APA	WATER	DONE	U				
WG2000586-3	LCS Duplicate	S	HERB-APA	WATER	DONE	U				
WG2000586-4	Matrix Spike	S	HERB-APA	WATER	DONE	U				
WG2000586-5	Matrix Spike Duplica	S	HERB-APA	WATER	DONE	U				

Comments:

WG2000586-3	WG2000586-2
WG2000586-4	L2467934-05
WG2000586-5	L2467934-05

ORGANIC ELN REPORT

Workgroup: WG2000586

Prep Method: EPA 8151A
Solvent Type: Diethyl ether **Lot #:** 24050143
Surrogate Type: Herbicide **Lot #:** PP11856al,04/23/2025,4l,26,4
Spike Type: Herbicides **Lot #:** PP11855am,04/18/2025,5r,11,1
Spike Verify by: GYN
Lims Spikelot: HERB8151

Additional Reagents/Stds

12N H2SO4	12A102824
25% NaOH	Na101224
Acidified Na2SO4	AS112024
DCM	EJ475
Diethyl ether	24050143
Na2S2O3	NA
NaCl	EJ475

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Diethyl ether
Lot #: 24050143

Additional Reagents/Stds

Acidified Na2SO4	AS112024
Diazomethane	D112024
Hexane	EJ522
Isooctane	STBK8849
Methanol	63054
Silicic Acid	MKCL9565

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

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
L2467934-01 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
L2467934-02 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
L2467934-03 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
L2467934-04 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
L2467934-05 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7

Reported: 26-NOV-24 09:28 AM

ORGANIC ELN REPORT

Workgroup: WG2000586

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
L2467934-06 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
L2467934-07 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
L2467934-08 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
L2467934-09 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
L2467934-10 SAMP	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5		11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
WG2000586-1 BLANK	11/20/24 14:44 **WG2000046,WG2000044**	George Nantwi	1000	>12/<2	NA	.5		11/20/24 16:27	11/20/24 17:57	11/21/24 12:17	Sophia Osei	0.5	11/21/24 14:33	10	SEVA P G.#7
WG2000586-2 LCS	11/20/24 14:44	George Nantwi	1000	>12/<2	NA	.5	.5	11/20/24 16:27	11/20/24 17:57	11/21/24 12:17	Sophia Osei	0.5	11/21/24 14:33	10	SEVA P G.#7
WG2000586-3 LCSD	11/20/24 14:44	George Nantwi	1000	>12/<2	NA	.5	.5	11/20/24 16:27	11/20/24 17:57	11/21/24 12:17	Sophia Osei	0.5	11/21/24 14:33	10	SEVA P G.#7
WG2000586-4 MS	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5	.5	11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7
WG2000586-5 MSD	11/21/24 14:27	George Nantwi	1000	>12/<2	NA	.5	.5	11/21/24 16:17	11/21/24 17:47	11/22/24 14:10	Sophia Osei	0.5	11/22/24 16:35	10	SEVA P G.#7

Reported: 26-NOV-24 09:28 AM

GC Extractable Analysis Polychlorinated Biphenyls (PCB)

Aroclor QC Summary

Surrogate Recovery Summary
Form 2
PCBs

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
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 (L2467934-01)	81	81	75	74			0
MW-2S (L2467934-02)	84	88	82	88			0
MW-3S (L2467934-03)	87	92	85	90			0
MW-4D (L2467934-04)	90	95	84	93			0
MW-5S (L2467934-05)	95	99	93	101			0
MW-6D (L2467934-06)	92	103	90	98			0
MW-7S (L2467934-07)	91	94	91	99			0
MW-8S (L2467934-08)	80	82	80	79			0
DUP (L2467934-09)	96	100	91	95			0
FIELD BLANK (L2467934-10)	92	97	79	82			0
WG2001590-1BLANK	94	89	84	79			0
WG2001590-2LCS	88	92	84	85			0
WG2001590-3LCSD	90	91	81	85			0
MW-5SMS	89	88	86	87			0
MW-5SMSD	87	90	82	94			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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001590-2 **Analysis Date** : 11/24/24 11:08	**File ID**	: P2241124a-10
LCSD Sample ID	: WG2001590-3 **Analysis Date** : 11/24/24 11:18	**File ID**	: P2241124a-11

	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	1.44	81	1.78	1.49	83	3	40-140	50
Aroclor 1260	1.78	1.54	86	1.78	1.55	87	1	40-140	50

Matrix Spike Sample Summary
Form 3
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/24/24 13:01
Matrix Spike	: WG2001590-4	**MS Analysis Date**	: 11/24/24 13:10
Matrix Spike Dup	: WG2001590-5	**MSD Analysis Date**	: 11/24/24 13:20

		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	1.48	83	1.78	1.46	82	1	40-140	50
Aroclor 1260	ND	1.78	1.57	88	1.78	1.46	82	7	40-140	50

Method Blank Summary
Form 4
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2001590-1	**Lab File ID**	: P2241124a-09
Matrix	: WATER	**Extraction Date**	: 11/24/24
Sulfur Cleanup	: Y		
Analysis Date (1)	: 11/24/24 10:59	**Analysis Date (2)**	: 11/24/24 10:59
Instrument ID (1)	: PEST2	**Instrument ID (2)**	: PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG2001590-2LCS	WG2001590-2	11/24/24 11:08	11/24/24 11:08
WG2001590-3LCSD	WG2001590-3	11/24/24 11:18	11/24/24 11:18
MW-1S	L2467934-01	11/24/24 12:23	11/24/24 12:23
MW-2S	L2467934-02	11/24/24 12:33	11/24/24 12:33
MW-3S	L2467934-03	11/24/24 12:42	11/24/24 12:42
MW-4D	L2467934-04	11/24/24 12:52	11/24/24 12:52
MW-5S	L2467934-05	11/24/24 13:01	11/24/24 13:01
MW-5SMS	WG2001590-4	11/24/24 13:10	11/24/24 13:10
MW-5SMSD	WG2001590-5	11/24/24 13:20	11/24/24 13:20
MW-6D	L2467934-06	11/24/24 13:29	11/24/24 13:29
MW-7S	L2467934-07	11/24/24 13:39	11/24/24 13:39
MW-8S	L2467934-08	11/24/24 16:48	11/24/24 16:48
DUP	L2467934-09	11/24/24 16:57	11/24/24 16:57
FIELD BLANK	L2467934-10	11/24/24 17:07	11/24/24 17:07

Analytical Sequence
Form 8b
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: PEST2	**Initial Calib. Date(s)**	: 11/13/24 11/13/24

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L8 (250ug/L)	R1900406-1	11/13/24 19:31
1232/1262 L8 (250ug/L)	R1900406-2	11/13/24 19:40
1248 L8 (250ug/L)	R1900406-3	11/13/24 19:50
1221/1254 L8 (250ug/L)	R1900406-4	11/13/24 19:59
1016/1260 L2 (10ug/L)	R1900406-6	11/13/24 20:18
1016/1260 L3 (20ug/L)	R1900406-7	11/13/24 20:27
1016/1260 L4 (30ug/L)	R1900406-8	11/13/24 20:37
1016/1260 L5 (40ug/L)	R1900406-9	11/13/24 20:46
1016/1260 L6 (50ug/L)	R1900406-10	11/13/24 20:55
1016/1260 L7 (100ug/L)	R1900406-12	11/13/24 21:05
1016/1260 L8 (250ug/L)	R1900406-11	11/13/24 21:14
1016/1260 L9 (500ug/L)	R1900406-13	11/13/24 21:24
1016/1260 L10 (1000ug/L)	R1900406-14	11/13/24 21:33
R1900406-15 ICV	R1900406-15	11/13/24 21:42
R1900406-16 ICV	R1900406-16	11/13/24 21:52
R1900406-17 ICV	R1900406-17	11/13/24 22:01
R1900406-18 ICV	R1900406-18	11/13/24 22:11
R1900406-19 ICV	R1900406-19	11/13/24 22:20
WG2001659-1 CCAL	WG2001659-1	11/24/24 08:59
WG2001590-1 BLANK	WG2001590-1	11/24/24 10:59
WG2001590-2 LCS	WG2001590-2	11/24/24 11:08
WG2001590-3 LCSD	WG2001590-3	11/24/24 11:18
MW-1S	L2467934-01	11/24/24 12:23
MW-2S	L2467934-02	11/24/24 12:33
MW-3S	L2467934-03	11/24/24 12:42
MW-4D	L2467934-04	11/24/24 12:52
MW-5S	L2467934-05	11/24/24 13:01
MW-5S MS	WG2001590-4	11/24/24 13:10
MW-5S MSD	WG2001590-5	11/24/24 13:20
MW-6D	L2467934-06	11/24/24 13:29
MW-7S	L2467934-07	11/24/24 13:39
MW-8S	L2467934-08	11/24/24 16:48
DUP	L2467934-09	11/24/24 16:57
FIELD BLANK	L2467934-10	11/24/24 17:07

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.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:23
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:33
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:42
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 12:52
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-21	**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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:01
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-22	**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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:29
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 13:39
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:48
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-32	**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
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

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:48
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-32	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-PesticideII
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**
11097-69-1	Aroclor 1254	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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 16:57
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-33	**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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/24/24 17:07
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-34	**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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001590-1	**Date Collected**	: NA
Client ID	: WG2001590-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/24/24 10:59
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2241124a-09	**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\241124a\
Data File : P2241124a-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:23
Operator : pest2:meo
Sample : L2467934-01,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:18 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.161	1.226	305.7E6	487.0E6	25.000	25.000
	Standard Area 1 : #1 = 261129048				Recovery =	117.07%	
	Standard Area 1 : #2 = 379581996				Recovery =	128.30%	
14) i	2154_1br2nb	1.161	1.226	305.7E6	487.0E6	25.000	25.000
23) i	4268_1br2nb	1.161	1.226	305.7E6	487.0E6	25.000	25.000
34) i	1248_1br2nb	1.161	1.226	305.7E6	487.0E6	25.000	25.000
40) i	3262_1br2nb	1.161	1.226	305.7E6	487.0E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.443	1.596	233.7E6	337.9E6	16.247	16.298
	Spiked Amount 20.000	Range 30 - 150			Recovery =	81.23%	81.49%
3) s	Decachlorobi	4.004	4.507	185.6E6	226.6E6	15.016M4	14.812M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	75.08%	74.06%
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.
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

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:23
Operator : pest2:meo
Sample : L2467934-01,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:18 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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. 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.	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. 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

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:23
Operator : pest2:meo
Sample : L2467934-01,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:18 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
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	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.	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. 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

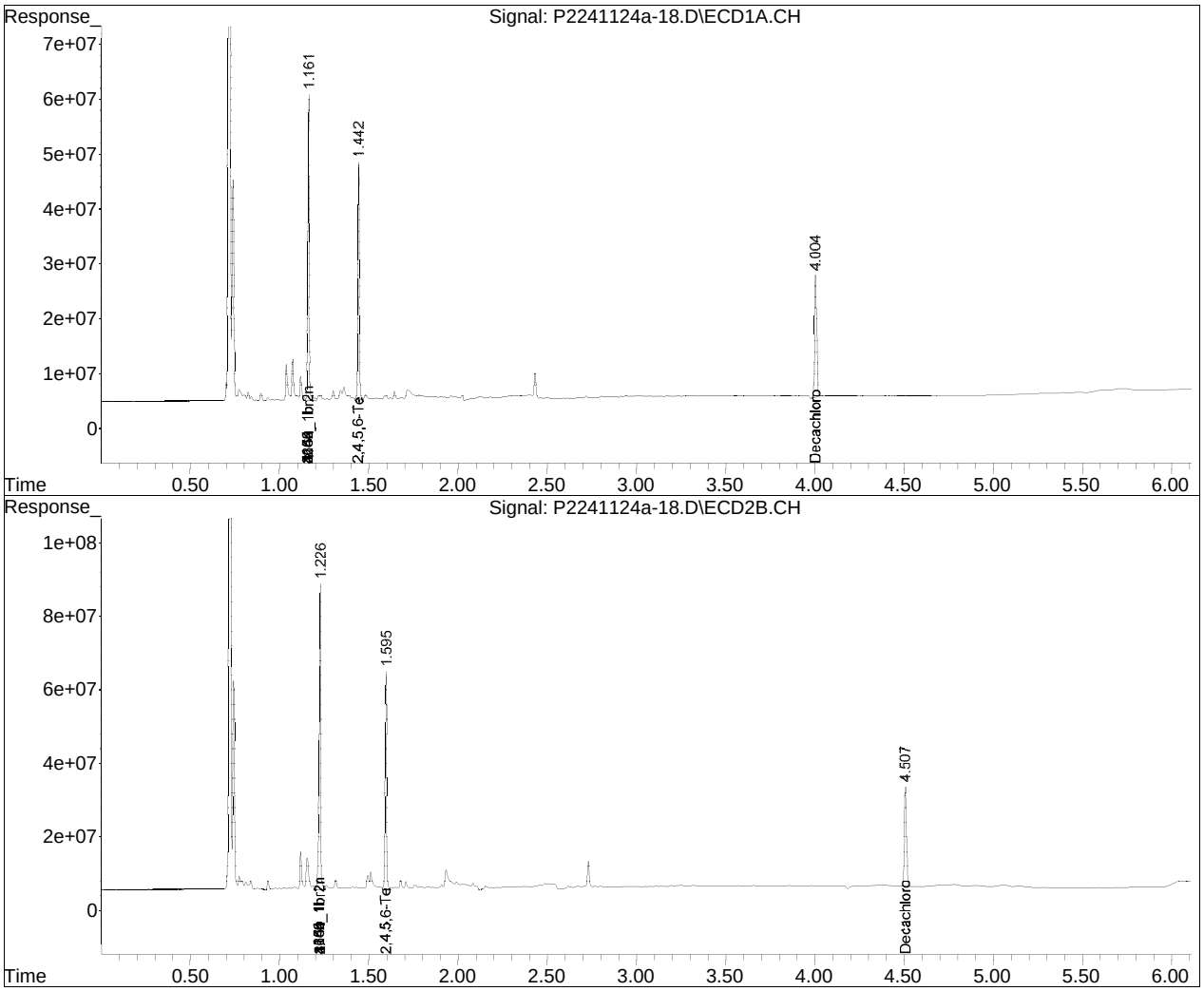
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:23
Operator : pest2:meo
Sample : L2467934-01,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:18 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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 :

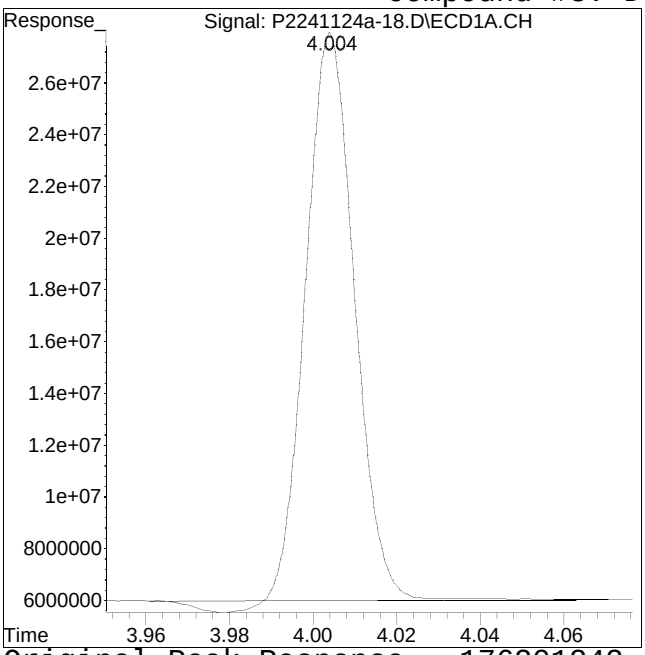


Manual Integration Report

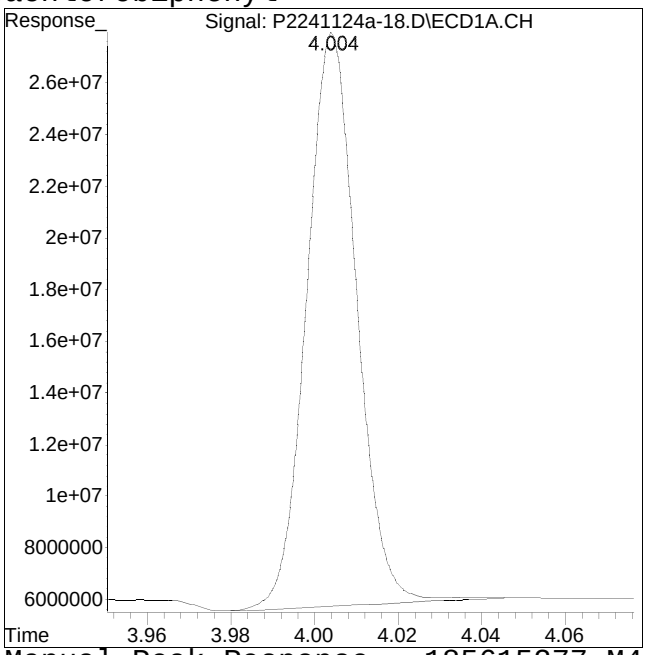
Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-18.D
Date Inj'd : 11/24/2024 12:23
Sample : L2467934-01,42,,

QMethod : P2_PCB_11_13_24_iRVT_ICA
Operator : pest2:meo
Instrument : Pest 2
Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 176201242



Manual Peak Response = 185615277 M4

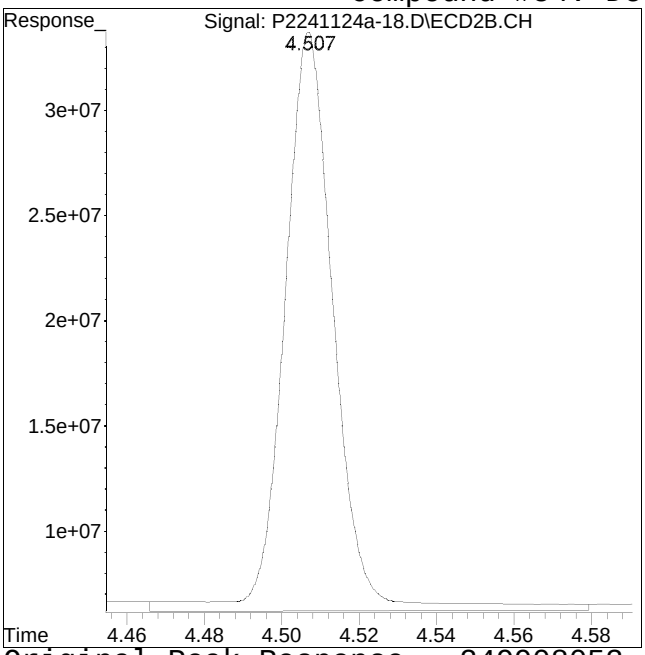
M4 = Poor automated baseline construction.

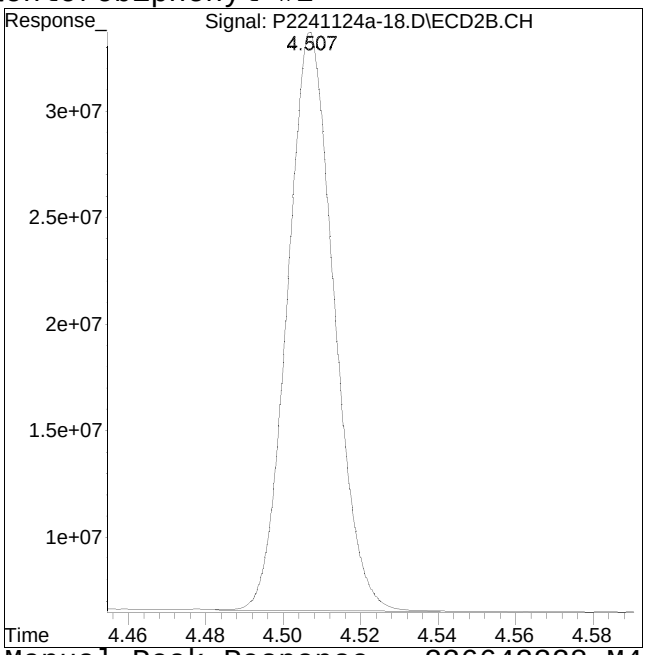
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-18.D
Date Inj'd : 11/24/2024 12:23
Sample : L2467934-01,42,,

QMethod : P2_PCB_11_13_24_iRVT_ICA
Operator : pest2:meo
Instrument : Pest 2
Quant Date : 11/26/2024 9:02 am

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 249908053 Manual Peak Response = 226642328 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:33
Operator : pest2:meo
Sample : L2467934-02,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:22 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.162	1.227	265.6E6	392.7E6	25.000	25.000
Standard Area 1 : #1 = 261129048				Recovery =	101.70%	
Standard Area 1 : #2 = 379581996				Recovery =	103.45%	
14) i 2154_1br2nb	1.162	1.227	265.6E6	392.7E6	25.000	25.000
23) i 4268_1br2nb	1.162	1.227	265.6E6	392.7E6	25.000	25.000
34) i 1248_1br2nb	1.162	1.227	265.6E6	392.7E6	25.000	25.000
40) i 3262_1br2nb	1.162	1.227	265.6E6	392.7E6	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.444	1.596	210.0E6	293.3E6	16.809	17.542
Spiked Amount 20.000	Range 30 - 150		Recovery =	84.05%	87.71%	
3) s Decachlorobi	4.005	4.508	176.7E6	216.9E6	16.450	17.585
Spiked Amount 20.000	Range 30 - 150		Recovery =	82.25%	87.93%	
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.	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.
Average 1260-1					0.000	0.000
15) l3 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:33
Operator : pest2:meo
Sample : L2467934-02,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:22 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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.	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. 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.
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

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:33
Operator : pest2:meo
Sample : L2467934-02,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:22 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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.	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

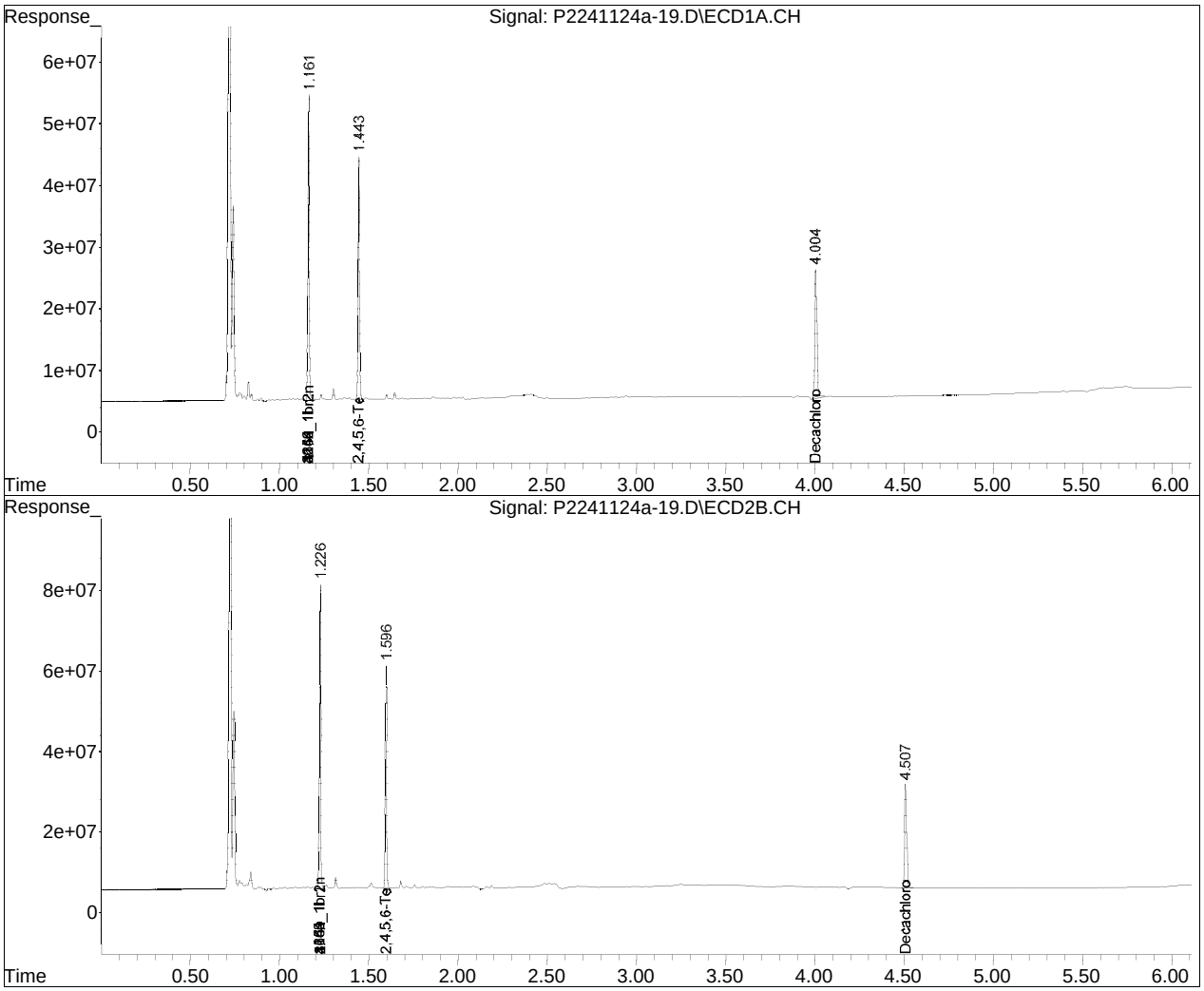
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:33
Operator : pest2:meo
Sample : L2467934-02,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:22 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\	QMethod	: P2_PCB_11_13_24_iRVT_ICA
Data File	: P2241124a-19.D	Operator	: pest2:meo
Date Inj'd	: 11/24/2024 12:33	Instrument	: Pest 2
Sample	: L2467934-02,42,,	Quant Date	: 11/26/2024 9:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:42
Operator : pest2:meo
Sample : L2467934-03,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:25 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.162	1.227	267.8E6	404.1E6	25.000	25.000
	Standard Area 1 : #1 = 261129048				Recovery =	102.55%	
	Standard Area 1 : #2 = 379581996				Recovery =	106.46%	
14) i	2154_1br2nb	1.162	1.227	267.8E6	404.1E6	25.000	25.000
23) i	4268_1br2nb	1.162	1.227	267.8E6	404.1E6	25.000	25.000
34) i	1248_1br2nb	1.162	1.227	267.8E6	404.1E6	25.000	25.000
40) i	3262_1br2nb	1.162	1.227	267.8E6	404.1E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.444	1.596	219.5E6	314.9E6	17.423	18.304
	Spiked Amount 20.000	Range 30 - 150			Recovery =	87.11%	91.52%
3) s	Decachlorobi	4.005	4.507	184.5E6	229.0E6	17.042M4	18.041
	Spiked Amount 20.000	Range 30 - 150			Recovery =	85.21%	90.20%
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. 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\241124a\
Data File : P2241124a-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:42
Operator : pest2:meo
Sample : L2467934-03,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:25 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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.	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	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

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:42
Operator : pest2:meo
Sample : L2467934-03,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:25 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
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	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.	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

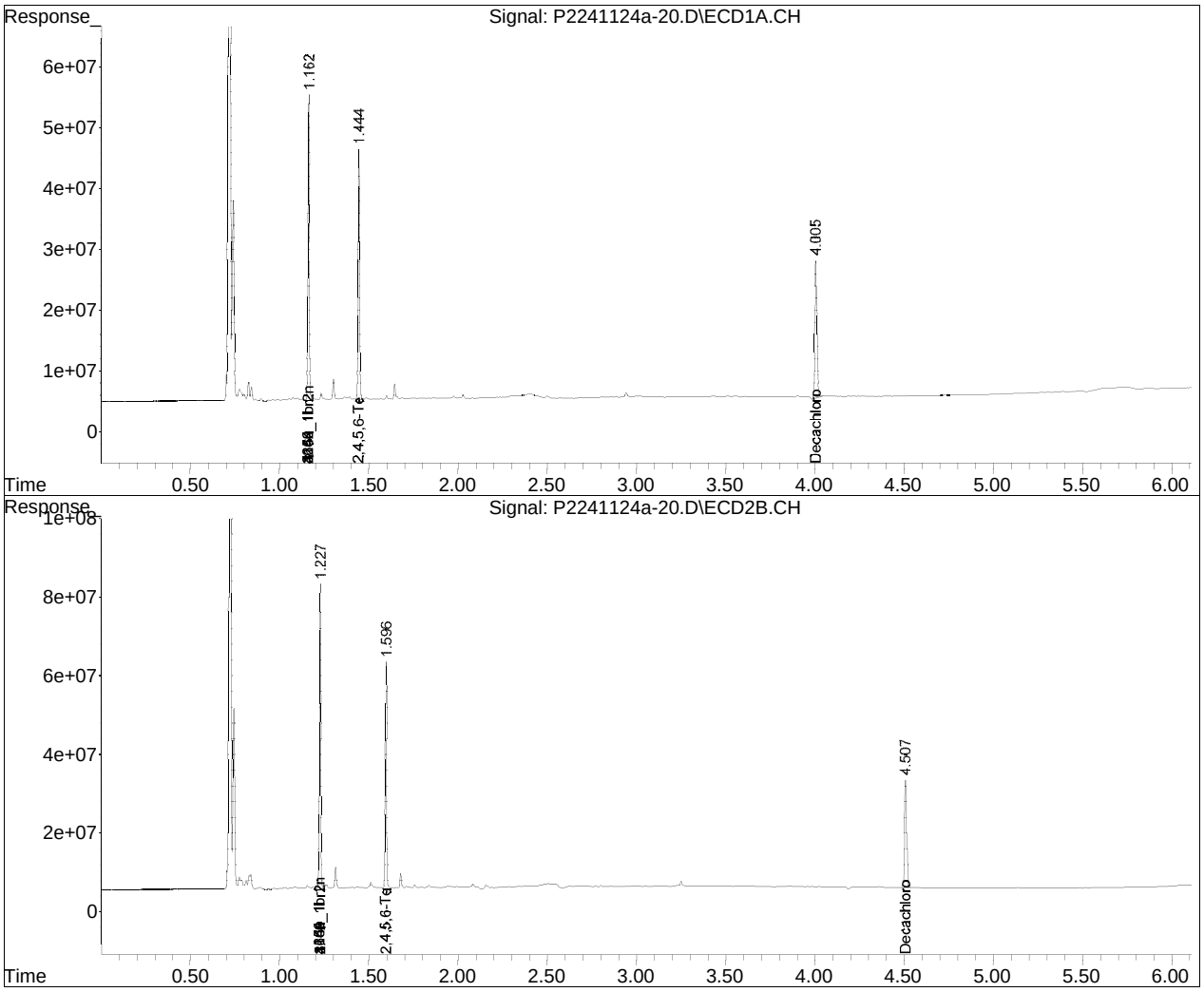
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:42
Operator : pest2:meo
Sample : L2467934-03,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:25 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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 :

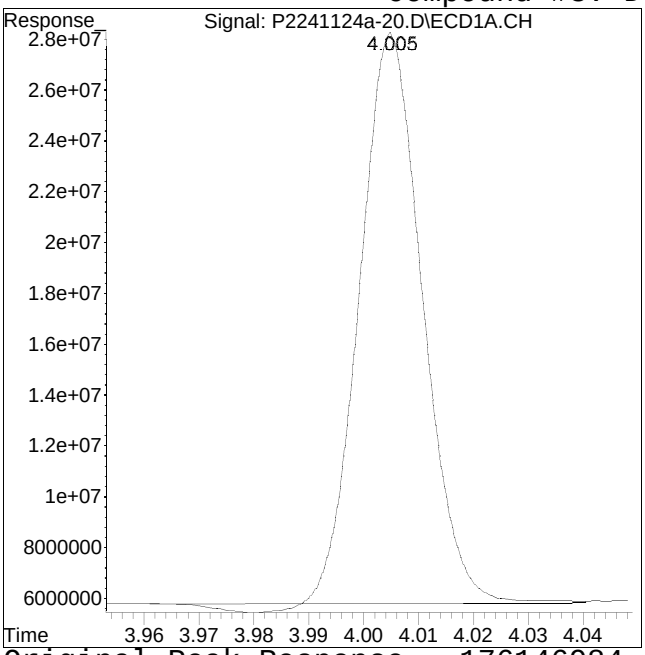


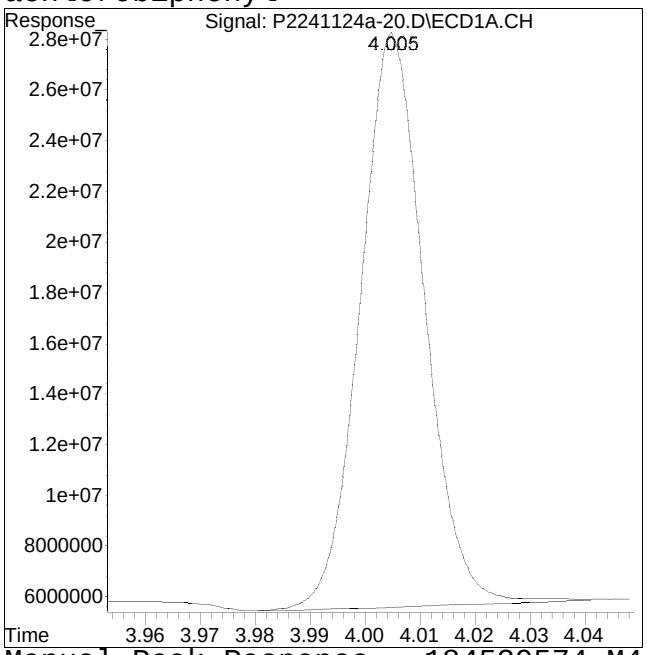
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-20.D
Date Inj'd : 11/24/2024 12:42
Sample : L2467934-03,42,,

QMethod : P2_PCB_11_13_24_iRVT_ICA
Operator : pest2:meo
Instrument : Pest 2
Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl





Original Peak Response = 176146984 Manual Peak Response = 184529574 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:52
Operator : pest2:meo
Sample : L2467934-04,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:28 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.162	1.227	265.0E6	387.3E6	25.000	25.000
	Standard Area 1 : #1 = 261129048				Recovery =	101.50%	
	Standard Area 1 : #2 = 379581996				Recovery =	102.02%	
14) i	2154_1br2nb	1.162	1.227	265.0E6	387.3E6	25.000	25.000
23) i	4268_1br2nb	1.162	1.227	265.0E6	387.3E6	25.000	25.000
34) i	1248_1br2nb	1.162	1.227	265.0E6	387.3E6	25.000	25.000
40) i	3262_1br2nb	1.162	1.227	265.0E6	387.3E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.444	1.597	225.5E6	312.8E6	18.081	18.971
	Spiked Amount 20.000	Range 30 - 150			Recovery =	90.41%	94.86%
3) s	Decachlorobi	4.005	4.508	179.8E6	227.0E6	16.773M4	18.658
	Spiked Amount 20.000	Range 30 - 150			Recovery =	83.86%	93.29%
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.	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\241124a\
Data File : P2241124a-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:52
Operator : pest2:meo
Sample : L2467934-04,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:28 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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.	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.	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	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

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:52
Operator : pest2:meo
Sample : L2467934-04,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:28 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
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	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

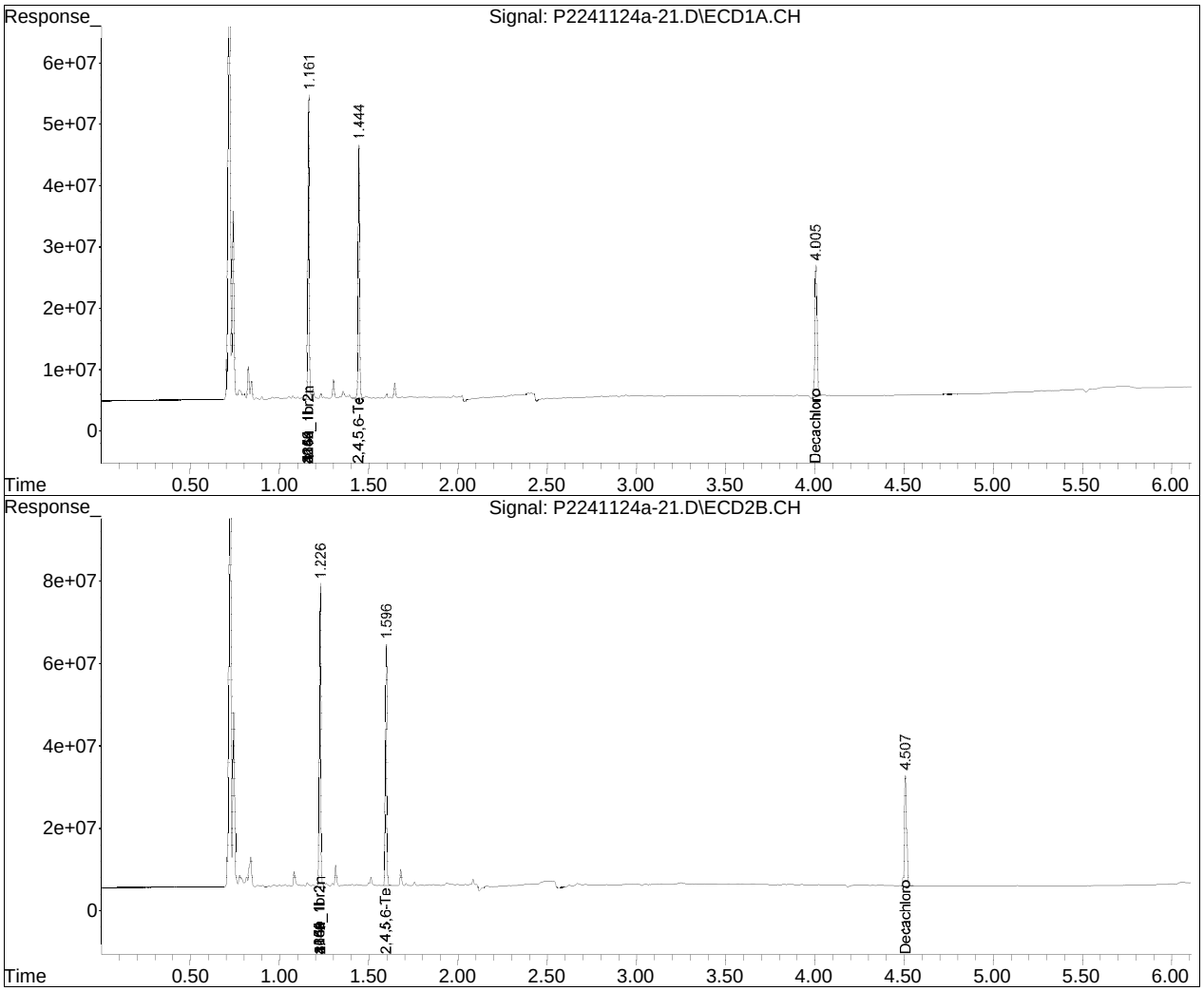
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 12:52
Operator : pest2:meo
Sample : L2467934-04,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:28 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

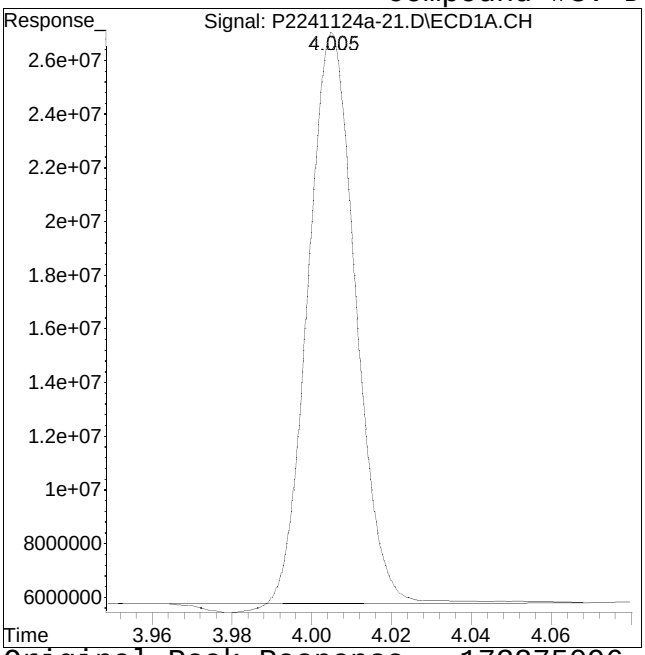
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



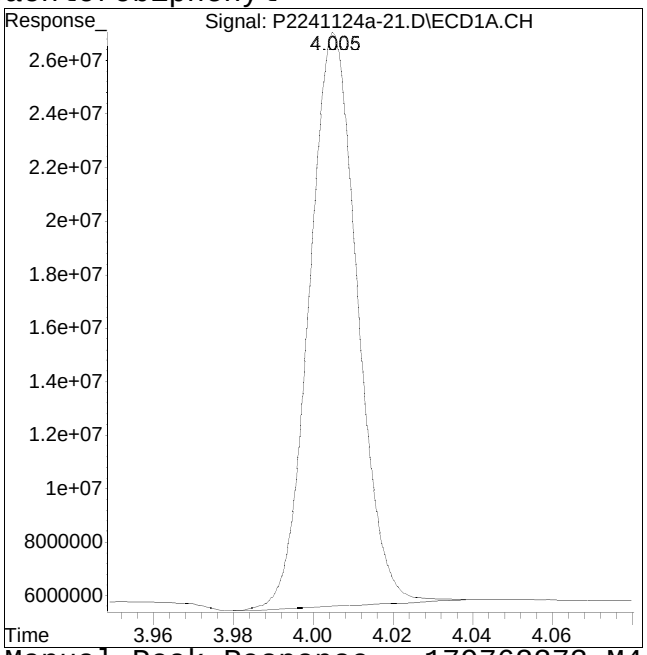
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-21.D Operator : pest2:meo
Date Inj'd : 11/24/2024 12:52 Instrument : Pest 2
Sample : L2467934-04,42,, Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 173275096



Manual Peak Response = 179762373 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:01
Operator : pest2:meo
Sample : L2467934-05,42,, p
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:31 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.162	1.227	259.5E6	356.5E6	25.000	25.000M4
	Standard Area 1 : #1 = 261129048				Recovery =	99.38%	
	Standard Area 1 : #2 = 379581996				Recovery =	93.92%	
14) i	2154_1br2nb	1.162	1.227	259.5E6	356.5E6	25.000	25.000M4
23) i	4268_1br2nb	1.162	1.227	259.5E6	356.5E6	25.000	25.000M4
34) i	1248_1br2nb	1.162	1.227	259.5E6	356.5E6	25.000	25.000M4
40) i	3262_1br2nb	1.162	1.227	259.5E6	356.5E6	25.000	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.444	1.596	232.8E6	301.0E6	19.070	19.834M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	95.35%	99.17%
3) s	Decachlorobi	4.005	4.509	196.0E6	225.7E6	18.675M4	20.156
	Spiked Amount 20.000	Range 30 - 150			Recovery =	93.38%	100.78%
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

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:01
Operator : pest2:meo
Sample : L2467934-05,42,, p
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:31 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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. 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.
Average 1268-1					0.000	0.000

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:01
Operator : pest2:meo
Sample : L2467934-05,42,, p
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:31 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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. 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.	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\241124a\
Data File : P2241124a-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:01
Operator : pest2:meo
Sample : L2467934-05,42,, p
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:31 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

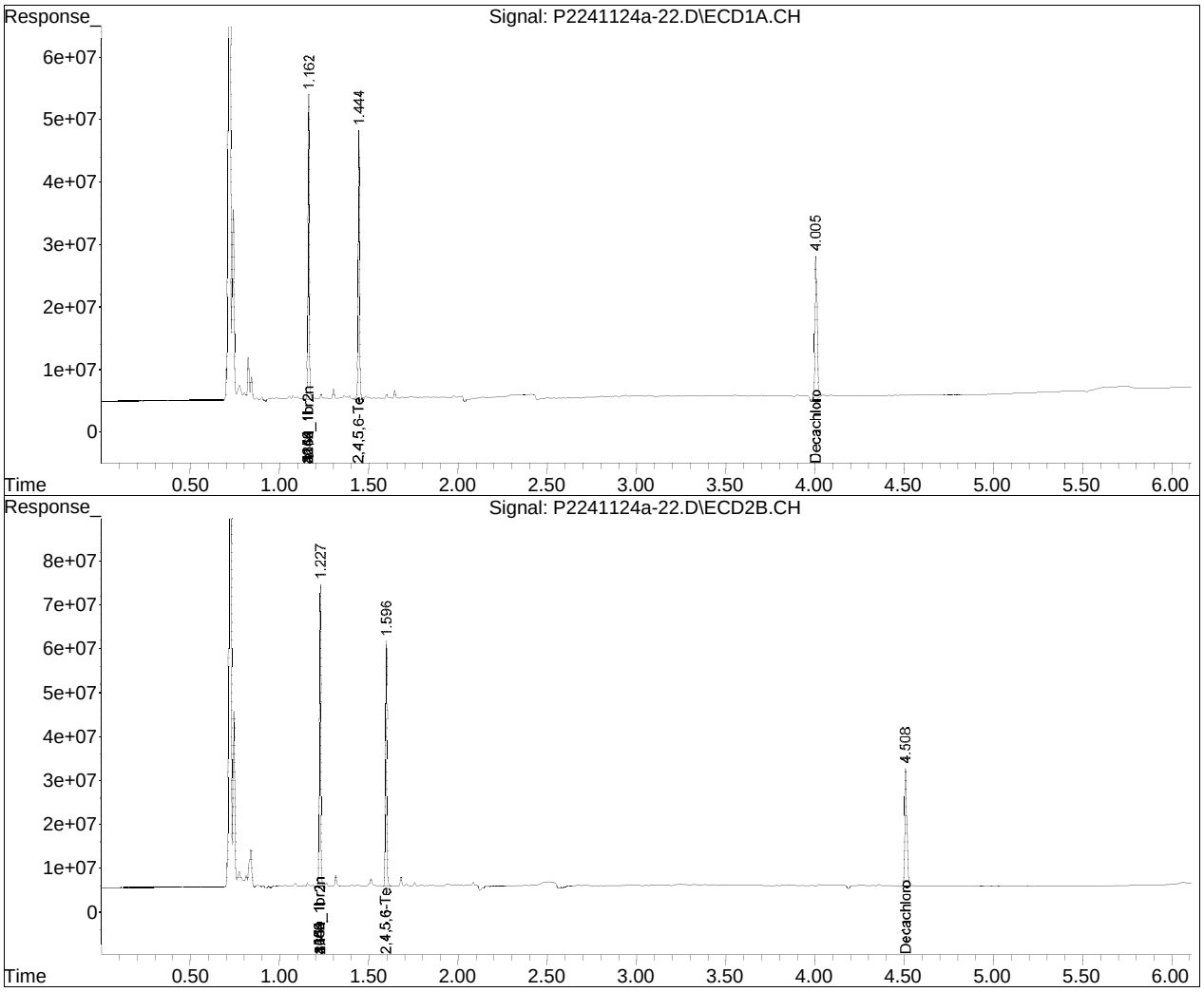
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:01
Operator : pest2:meo
Sample : L2467934-05,42,, p
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:31 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

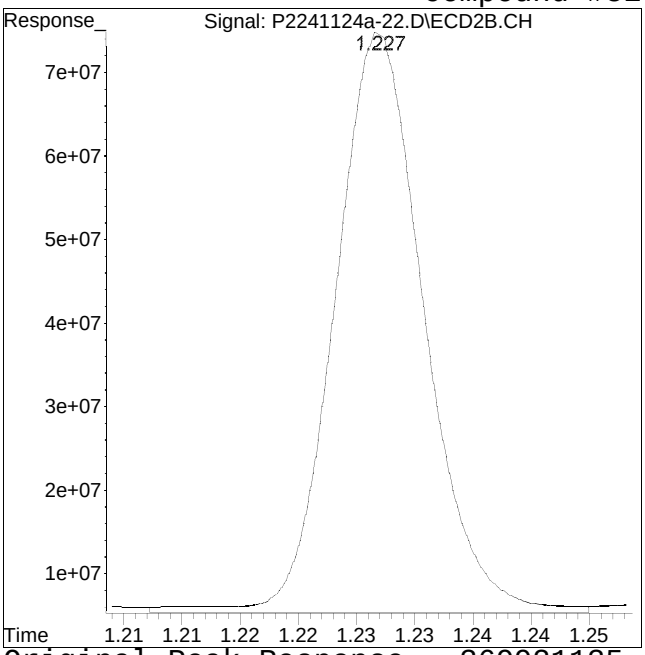
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



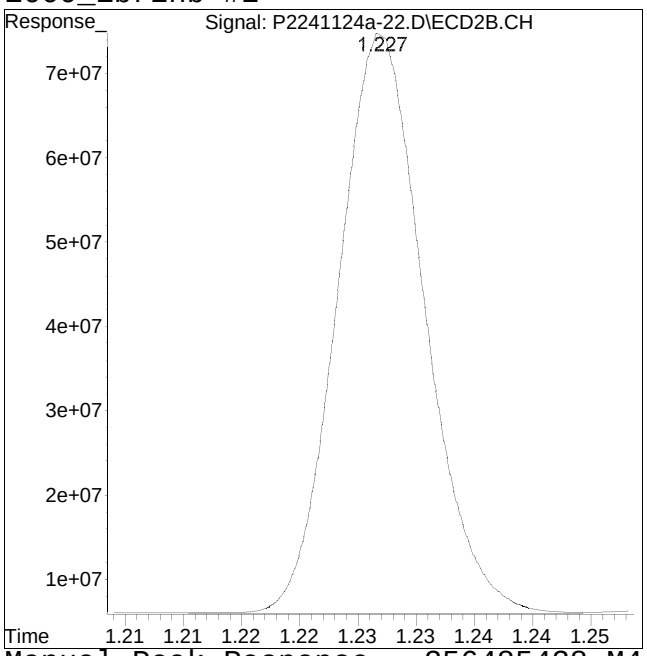
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-22.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:01 Instrument : Pest 2
Sample : L2467934-05,42,, p Quant Date : 11/26/2024 9:02 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 369921135



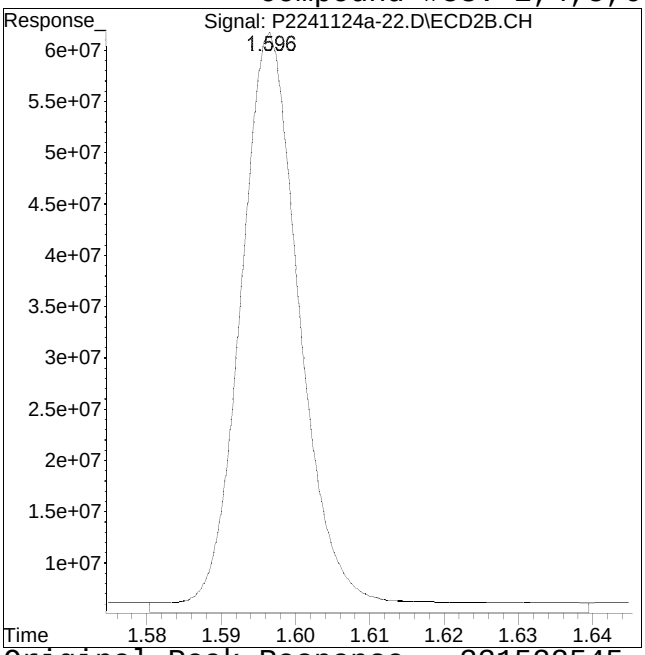
Manual Peak Response = 356485438 M4

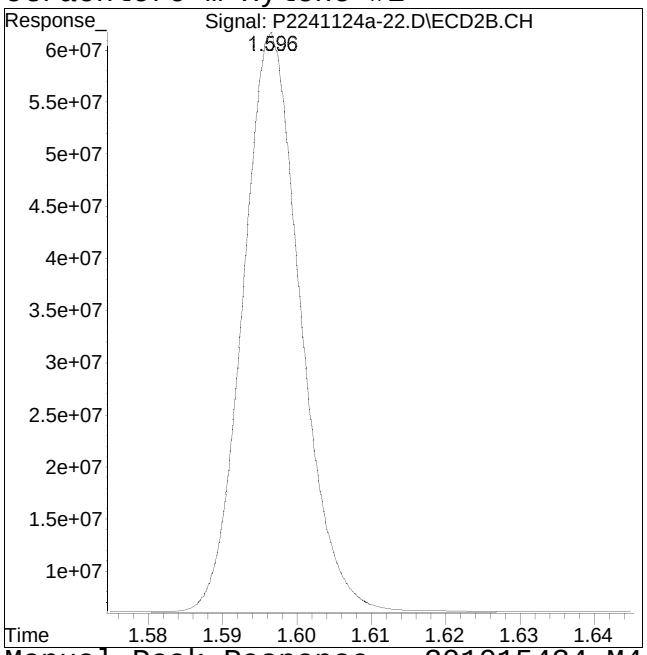
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-22.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:01 Instrument : Pest 2
Sample : L2467934-05,42,, p Quant Date : 11/26/2024 9:02 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



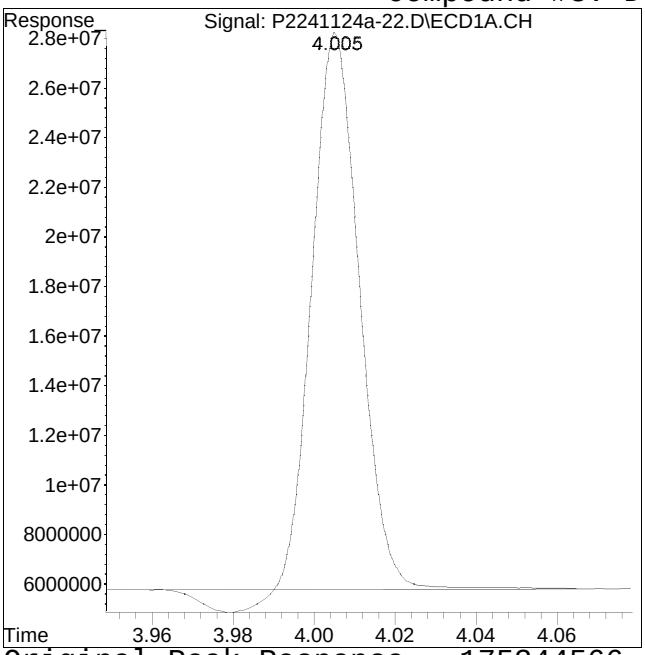


Original Peak Response = 331522545 Manual Peak Response = 301015434 M4
M4 = Poor automated baseline construction.

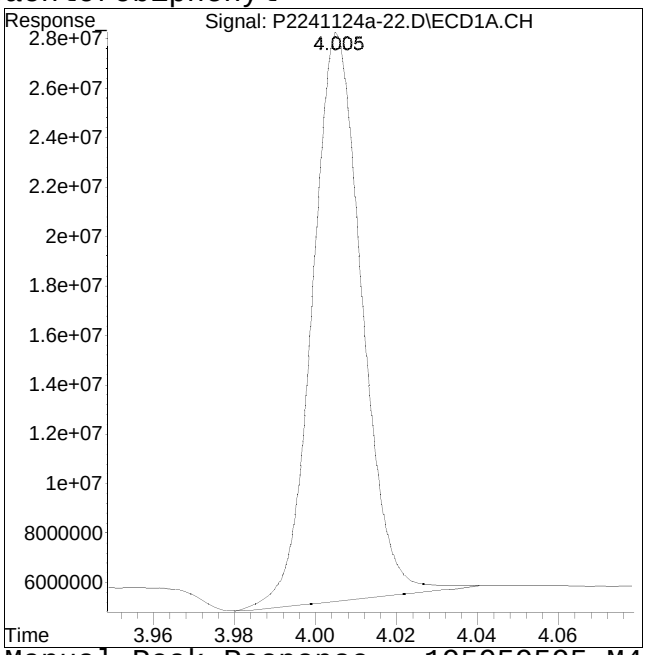
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-22.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:01 Instrument : Pest 2
Sample : L2467934-05,42,, p Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 175344566



Manual Peak Response = 195959595 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:29
Operator : pest2:meo
Sample : L2467934-06,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:42 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.162	1.227	261.8E6	368.7E6	25.000	25.000
Standard Area 1 : #1 = 261129048				Recovery =	100.27%	
Standard Area 1 : #2 = 379581996				Recovery =	97.14%	
14) i 2154_1br2nb	1.162	1.227	261.8E6	368.7E6	25.000	25.000
23) i 4268_1br2nb	1.162	1.227	261.8E6	368.7E6	25.000	25.000
34) i 1248_1br2nb	1.162	1.227	261.8E6	368.7E6	25.000	25.000
40) i 3262_1br2nb	1.162	1.227	261.8E6	368.7E6	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.444	1.597	227.4E6	322.6E6	18.459	20.549
Spiked Amount 20.000	Range 30 - 150		Recovery =	92.29%	102.75%	
3) s Decachlorobi	4.005	4.508	190.9E6	227.7E6	18.028	19.658
Spiked Amount 20.000	Range 30 - 150		Recovery =	90.14%	98.29%	
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.	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 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:29
Operator : pest2:meo
Sample : L2467934-06,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:42 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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.	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.	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. 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

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:29
Operator : pest2:meo
Sample : L2467934-06,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:42 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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

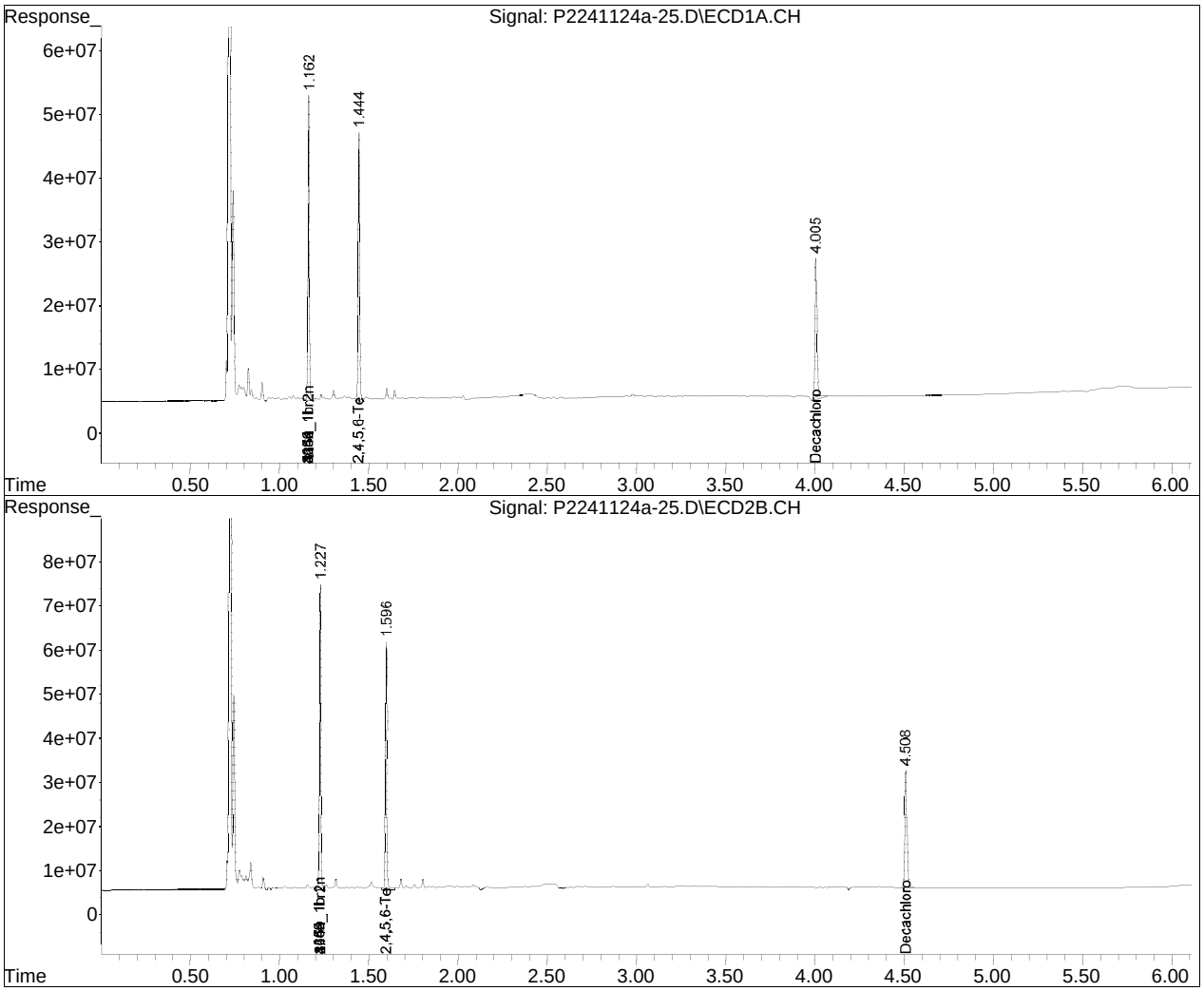
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:29
Operator : pest2:meo
Sample : L2467934-06,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:42 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\	QMethod	: P2_PCB_11_13_24_iRVT_ICA
Data File	: P2241124a-25.D	Operator	: pest2:meo
Date Inj'd	: 11/24/2024 13:29	Instrument	: Pest 2
Sample	: L2467934-06,42,,	Quant Date	: 11/26/2024 9:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:39
Operator : pest2:meo
Sample : L2467934-07,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:45 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.162	1.227	245.9E6	369.1E6	25.000	25.000
	Standard Area 1 : #1 = 261129048				Recovery =		94.16%
	Standard Area 1 : #2 = 379581996				Recovery =		97.23%
14) i	2154_1br2nb	1.162	1.227	245.9E6	369.1E6	25.000	25.000
23) i	4268_1br2nb	1.162	1.227	245.9E6	369.1E6	25.000	25.000
34) i	1248_1br2nb	1.162	1.227	245.9E6	369.1E6	25.000	25.000
40) i	3262_1br2nb	1.162	1.227	245.9E6	369.1E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.444	1.597	211.7E6	296.0E6	18.298	18.839
	Spiked Amount 20.000	Range 30 - 150		Recovery =		91.49%	94.19%
3) s	Decachlorobi	4.005	4.509	180.9E6	230.7E6	18.190M4	19.897
	Spiked Amount 20.000	Range 30 - 150		Recovery =		90.95%	99.48%
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.	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\241124a\
Data File : P2241124a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:39
Operator : pest2:meo
Sample : L2467934-07,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:45 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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. 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.	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	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\241124a\
Data File : P2241124a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:39
Operator : pest2:meo
Sample : L2467934-07,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:45 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
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	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

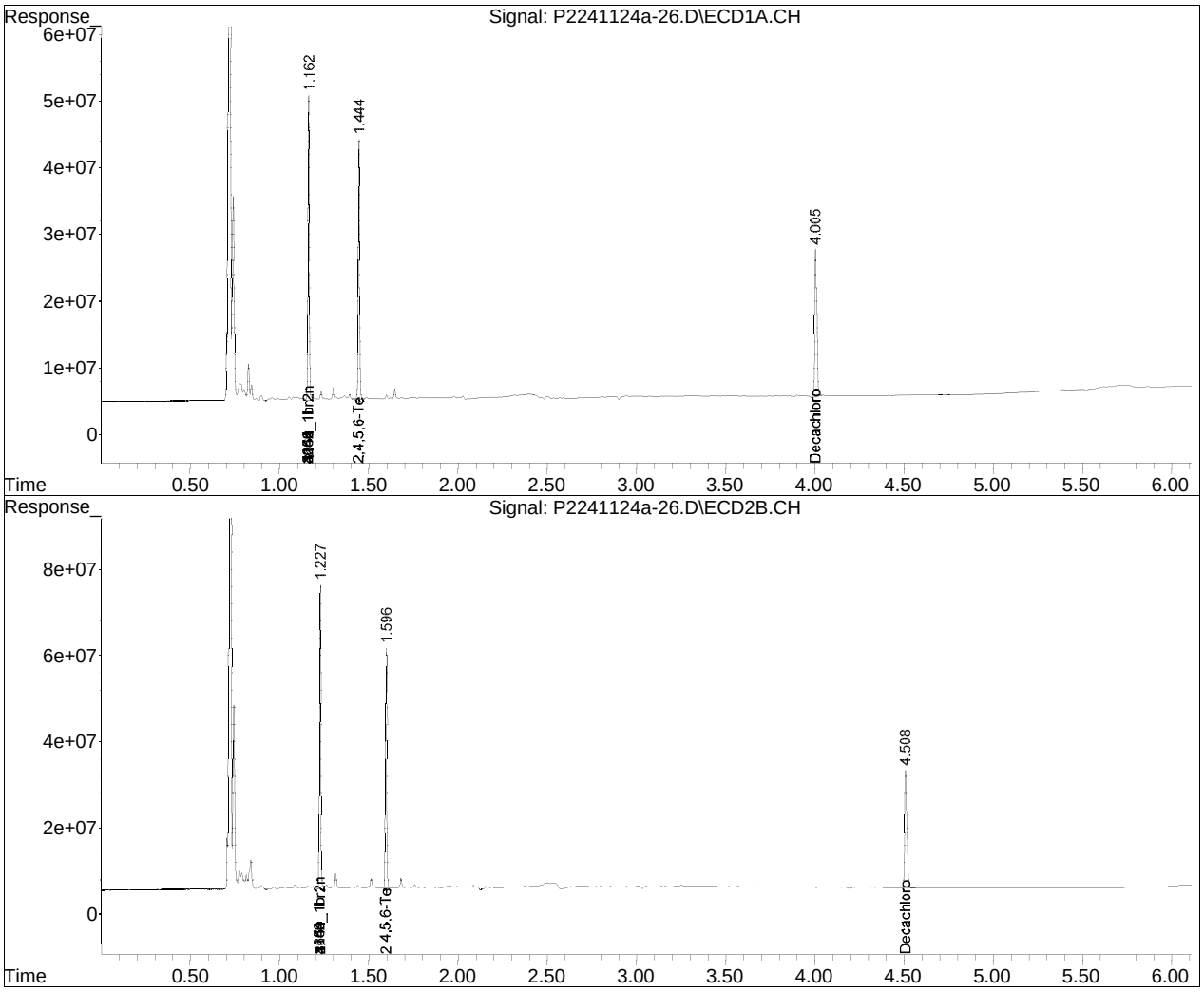
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:39
Operator : pest2:meo
Sample : L2467934-07,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:45 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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 :

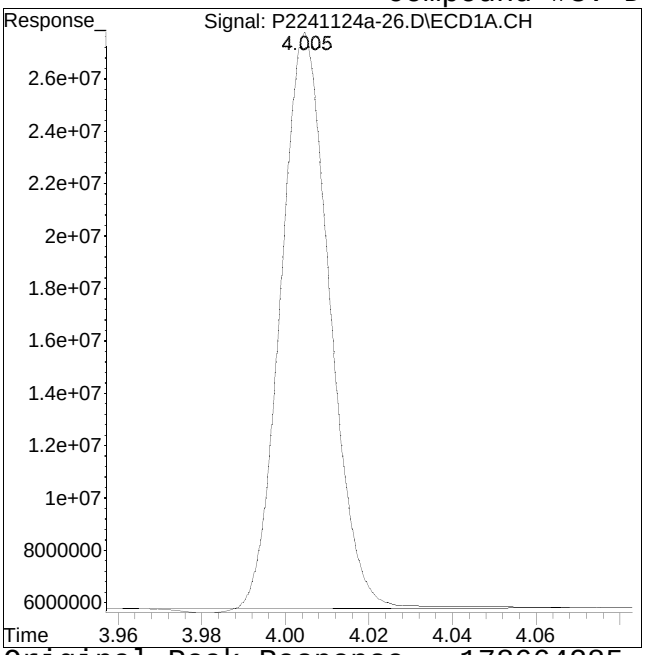


Manual Integration Report

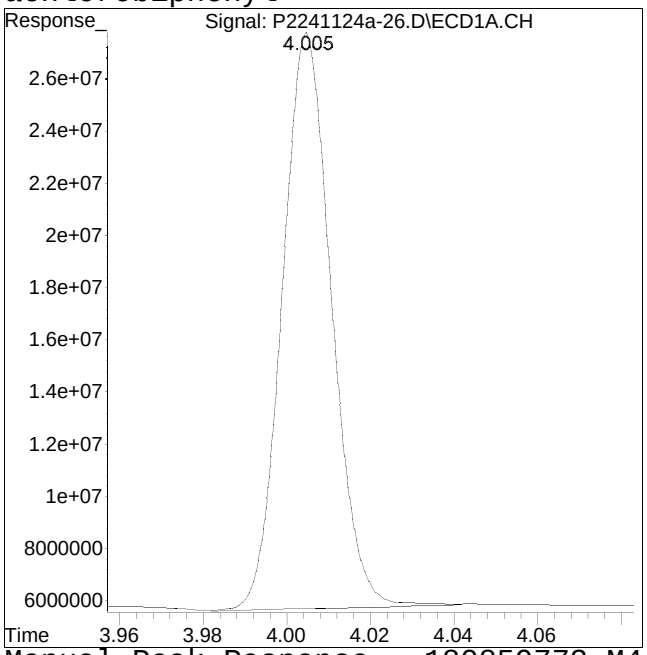
Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-26.D
Date Inj'd : 11/24/2024 13:39
Sample : L2467934-07,42,,

QMethod : P2_PCB_11_13_24_iRVT_ICA
Operator : pest2:meo
Instrument : Pest 2
Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 178664285



Manual Peak Response = 180859773 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-32.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 16:48
Operator : pest2:meo
Sample : L2467934-08,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:51 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.160	1.225	270.7E6	407.1E6	25.000	25.000
	Standard Area 1 : #1 = 261129048				Recovery =	103.65%	
	Standard Area 1 : #2 = 379581996				Recovery =	107.24%	
14) i	2154_1br2nb	1.160	1.225	270.7E6	407.1E6	25.000	25.000
23) i	4268_1br2nb	1.160	1.225	270.7E6	407.1E6	25.000	25.000
34) i	1248_1br2nb	1.160	1.225	270.7E6	407.1E6	25.000	25.000
40) i	3262_1br2nb	1.160	1.225	270.7E6	407.1E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.442	1.594	203.1E6	284.1E6	15.947	16.392
	Spiked Amount 20.000	Range 30 - 150			Recovery =	79.73%	81.96%
3) s	Decachlorobi	4.003	4.505	174.4E6	202.7E6	15.935M4	15.848
	Spiked Amount 20.000	Range 30 - 150			Recovery =	79.68%	79.24%
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
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

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-32.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 16:48
Operator : pest2:meo
Sample : L2467934-08,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:51 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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	2.589	2.941	1322375	2239671	1.601M4	2.031
21) l4 1254-4	2.717	3.051	2931958	4310439	4.731M4	5.712M4
22) l4 1254-5	2.939	3.326	5856358	8442567	7.128	8.774M4
Sum 1254-1			10110691	14992677	13.460	16.517
Average 1254-1					4.487	5.506
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. 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. 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

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-32.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 16:48
Operator : pest2:meo
Sample : L2467934-08,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:51 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
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	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.	N.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.	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

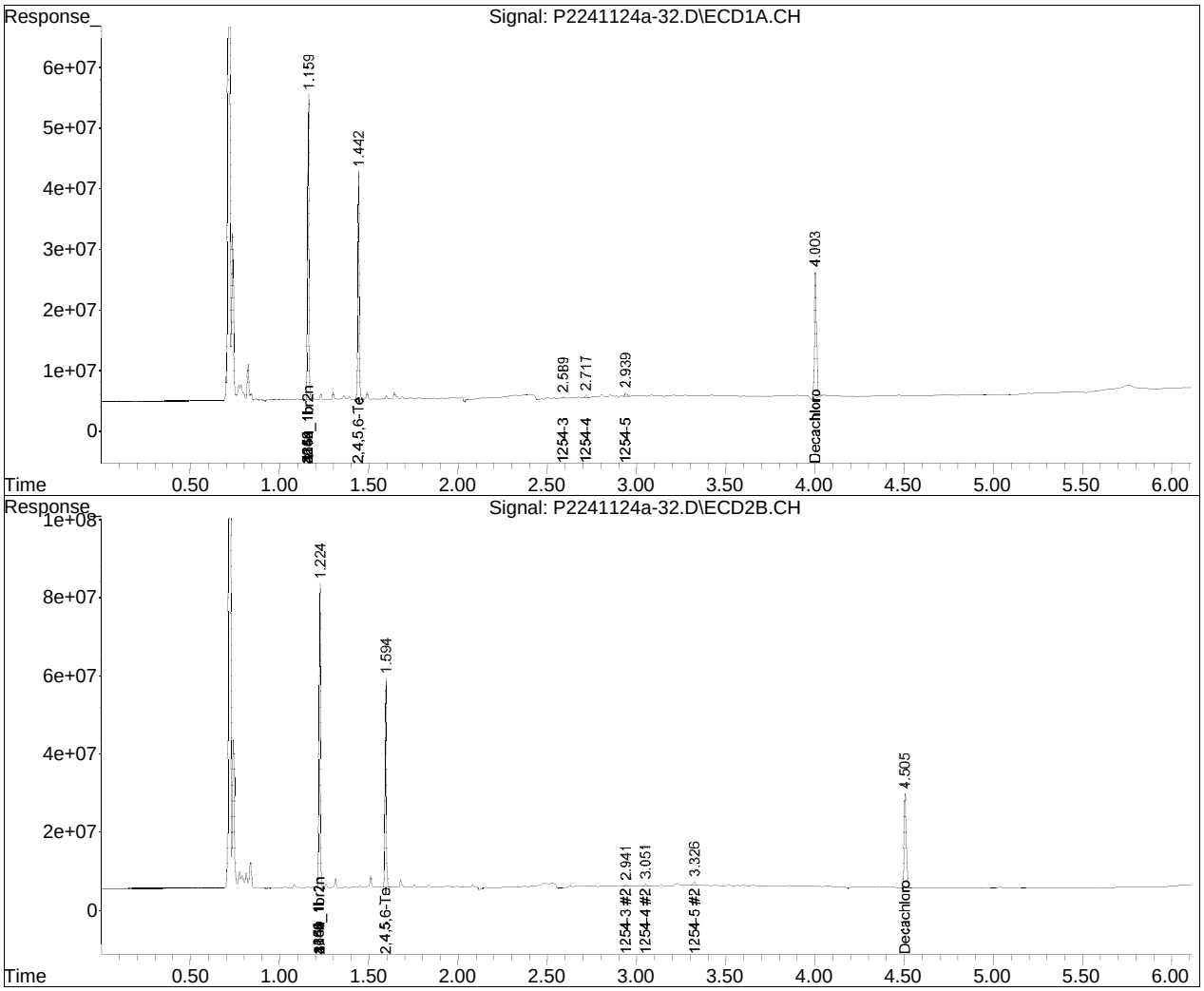
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-32.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 16:48
Operator : pest2:meo
Sample : L2467934-08,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:51 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

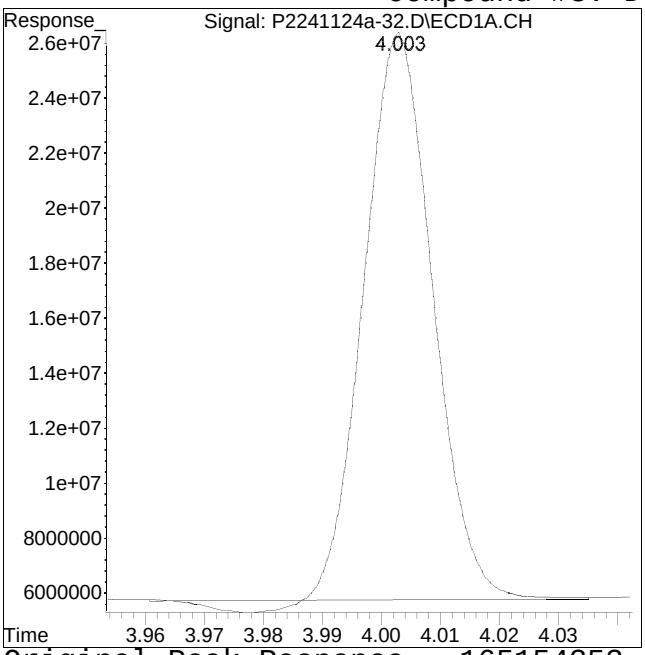
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

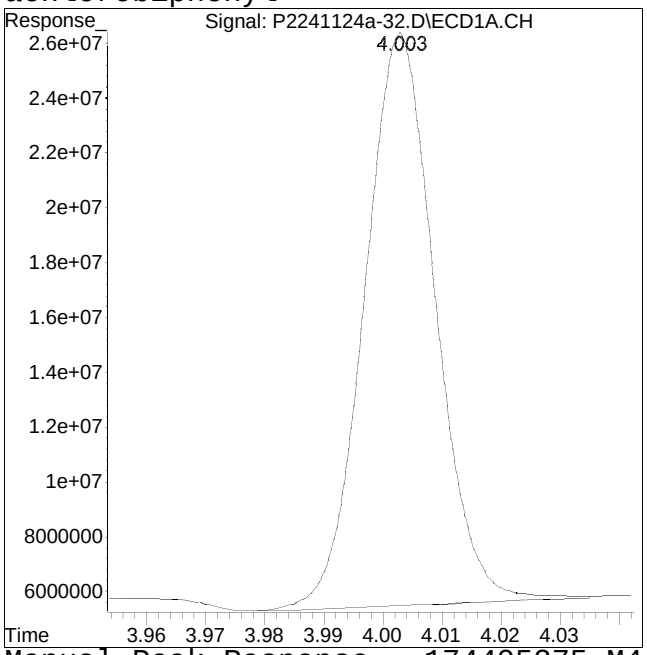


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-32.D Operator : pest2:meo
Date Inj'd : 11/24/2024 16:48 Instrument : Pest 2
Sample : L2467934-08,42,, Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl



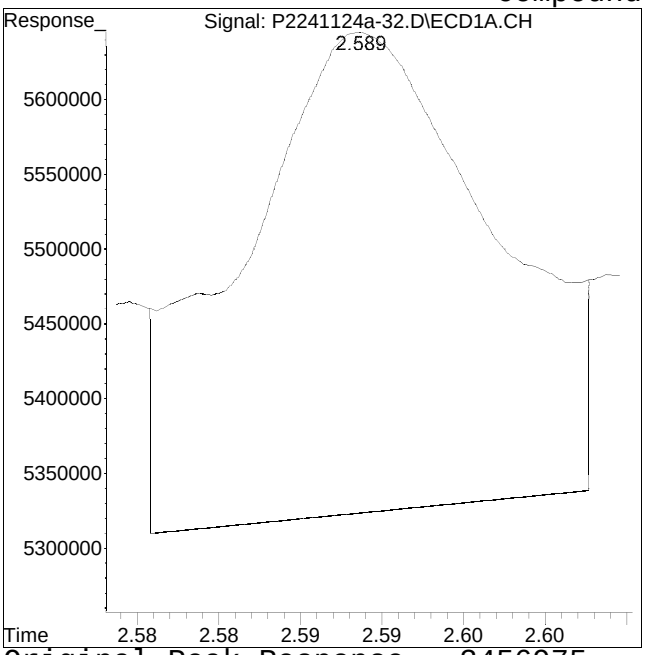


Original Peak Response = 165154353 Manual Peak Response = 174405275 M4
M4 = Poor automated baseline construction.

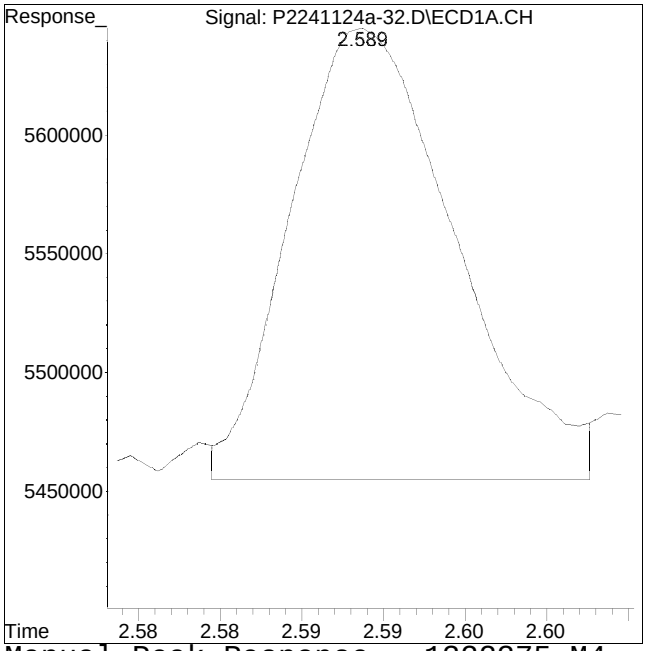
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-32.D Operator : pest2:meo
Date Inj'd : 11/24/2024 16:48 Instrument : Pest 2
Sample : L2467934-08,42,, Quant Date : 11/26/2024 9:02 am

Compound #20: 1254-3



Original Peak Response = 3456975



Manual Peak Response = 1322375 M4

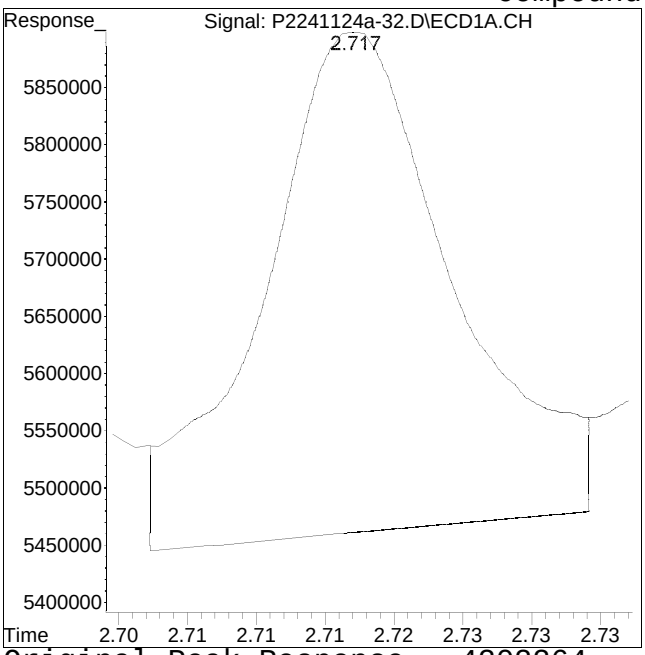
M4 = Poor automated baseline construction.

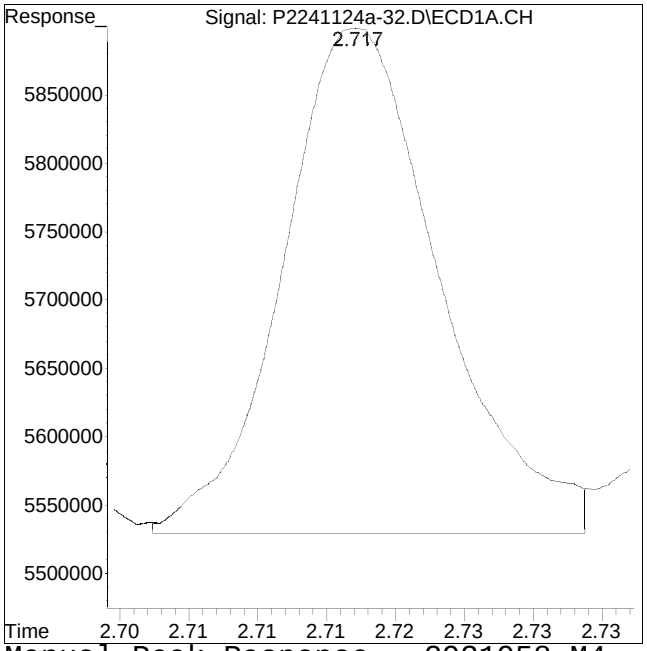
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-32.D
Date Inj'd : 11/24/2024 16:48
Sample : L2467934-08,42,,

QMethod : P2_PCB_11_13_24_iRVT_ICA
Operator : pest2:meo
Instrument : Pest 2
Quant Date : 11/26/2024 9:02 am

Compound #21: 1254-4



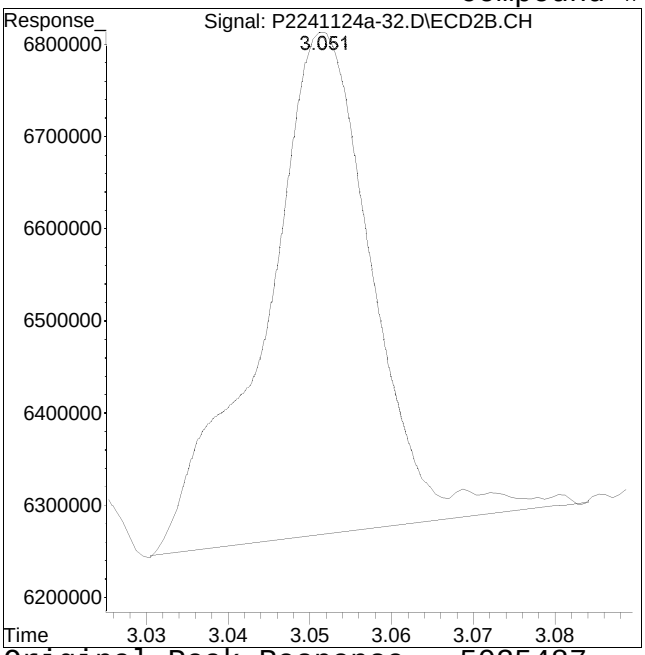


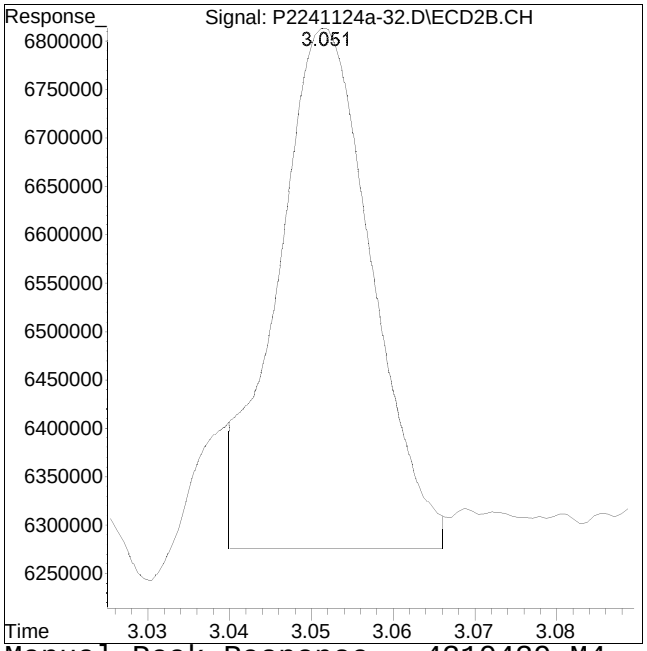
Original Peak Response = 4202264 Manual Peak Response = 2931958 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-32.D Operator : pest2:meo
Date Inj'd : 11/24/2024 16:48 Instrument : Pest 2
Sample : L2467934-08,42,, Quant Date : 11/26/2024 9:02 am

Compound #72: 1254-4 #2





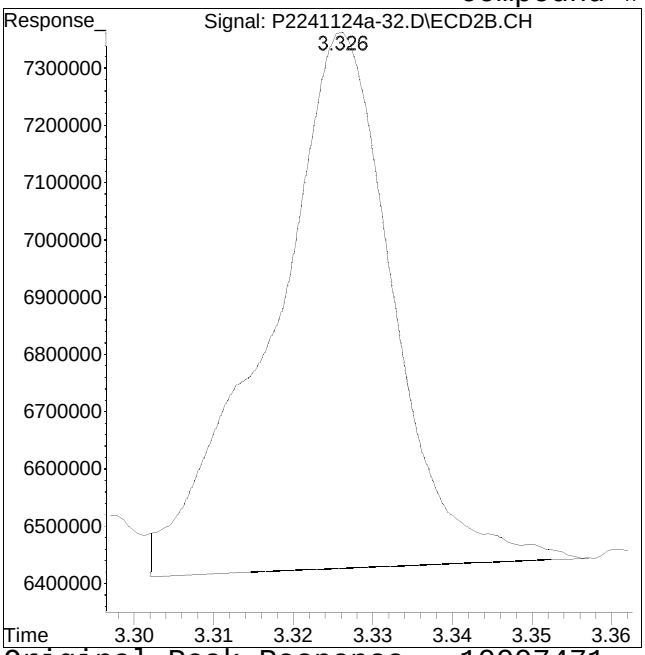
Original Peak Response = 5035487 Manual Peak Response = 4310439 M4
M4 = Poor automated baseline construction.

Manual Integration Report

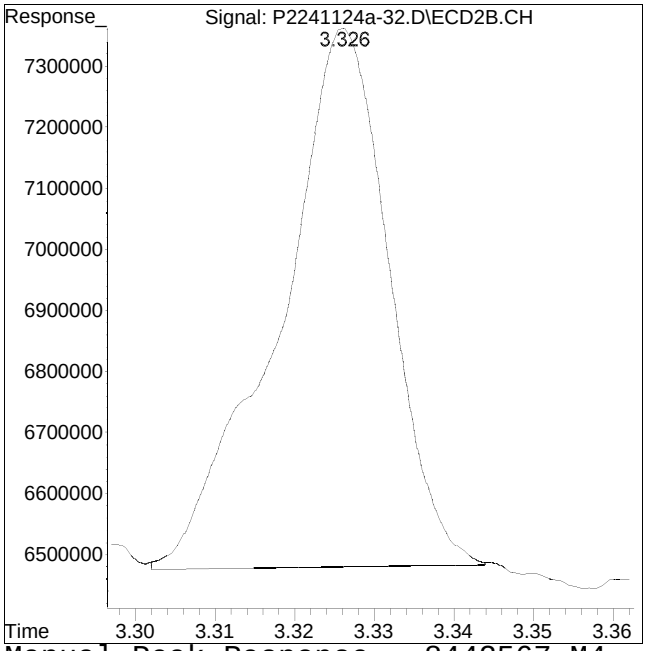
Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-32.D
Date Inj'd : 11/24/2024 16:48
Sample : L2467934-08,42,,

QMethod : P2_PCB_11_13_24_iRVT_ICA
Operator : pest2:meo
Instrument : Pest 2
Quant Date : 11/26/2024 9:02 am

Compound #73: 1254-5 #2



Original Peak Response = 10007471



Manual Peak Response = 8442567 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-33.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 16:57
Operator : pest2:meo
Sample : L2467934-09,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:55 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.161	1.225	255.6E6	387.8E6	25.000	25.000
	Standard Area 1 : #1 = 261129048				Recovery =	97.88%	
	Standard Area 1 : #2 = 379581996				Recovery =	102.17%	
14) i	2154_1br2nb	1.161	1.225	255.6E6	387.8E6	25.000	25.000
23) i	4268_1br2nb	1.161	1.225	255.6E6	387.8E6	25.000	25.000
34) i	1248_1br2nb	1.161	1.225	255.6E6	387.8E6	25.000	25.000
40) i	3262_1br2nb	1.161	1.225	255.6E6	387.8E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.443	1.595	230.1E6	329.9E6	19.135	19.983
	Spiked Amount 20.000	Range 30 - 150			Recovery =	95.68%	99.91%
3) s	Decachlorobi	4.003	4.506	187.8E6	231.7E6	18.169M4	19.014
	Spiked Amount 20.000	Range 30 - 150			Recovery =	90.84%	95.07%
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
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\241124a\
Data File : P2241124a-33.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 16:57
Operator : pest2:meo
Sample : L2467934-09,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:55 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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. 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.	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	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

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-33.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 16:57
Operator : pest2:meo
Sample : L2467934-09,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:55 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
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	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.	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

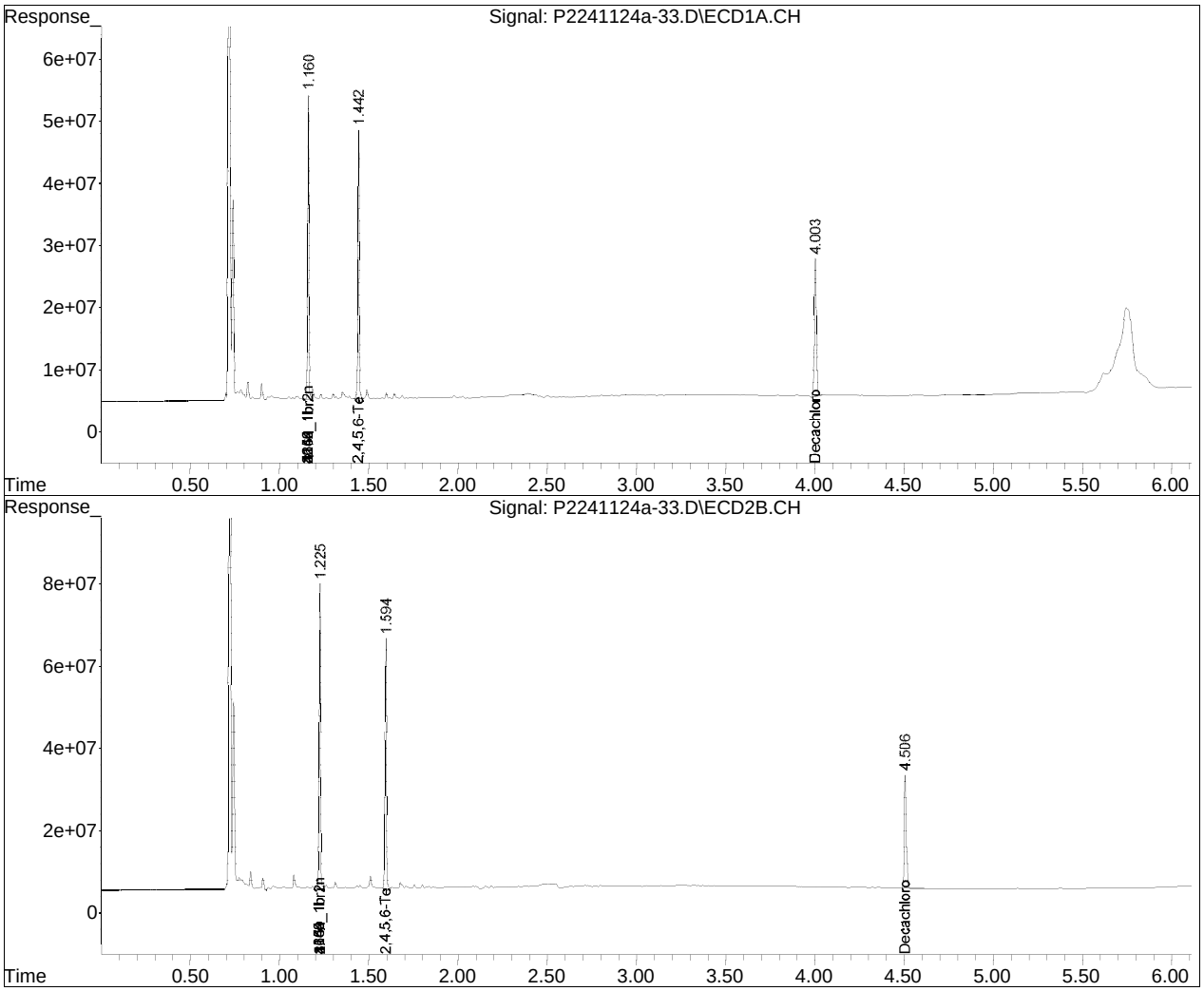
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-33.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 16:57
Operator : pest2:meo
Sample : L2467934-09,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:55 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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 :

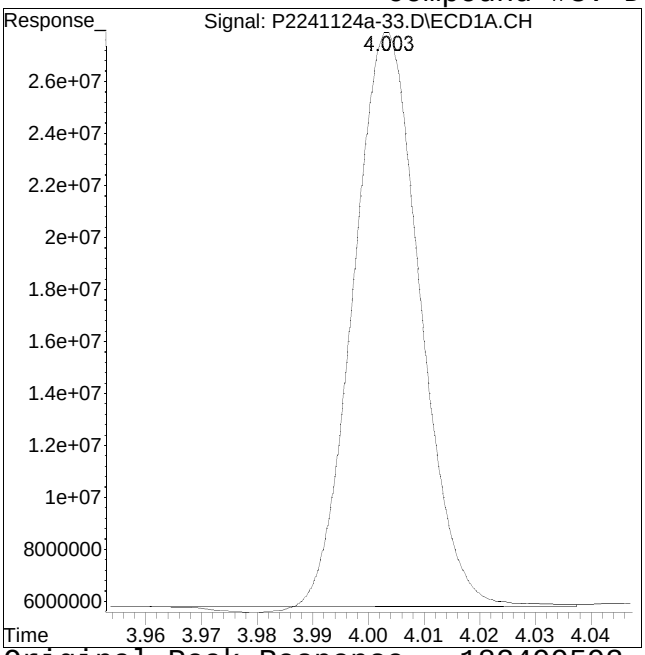


Manual Integration Report

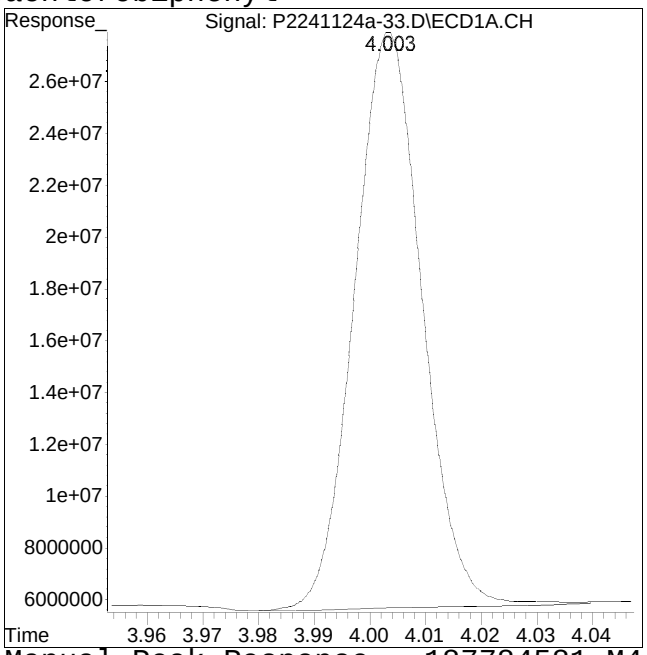
Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-33.D
Date Inj'd : 11/24/2024 16:57
Sample : L2467934-09,42,,

QMethod : P2_PCB_11_13_24_iRVT_ICA
Operator : pest2:meo
Instrument : Pest 2
Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 182499593



Manual Peak Response = 187784581 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-34.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 17:07
Operator : pest2:meo
Sample : L2467934-10,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:58 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.161	1.226	285.3E6	429.5E6	25.000	25.000
	Standard Area 1 : #1 = 261129048				Recovery =	109.25%	
	Standard Area 1 : #2 = 379581996				Recovery =	113.14%	
14) i	2154_1br2nb	1.161	1.226	285.3E6	429.5E6	25.000	25.000
23) i	4268_1br2nb	1.161	1.226	285.3E6	429.5E6	25.000	25.000
34) i	1248_1br2nb	1.161	1.226	285.3E6	429.5E6	25.000	25.000
40) i	3262_1br2nb	1.161	1.226	285.3E6	429.5E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.443	1.595	248.2E6	353.4E6	18.492	19.326
	Spiked Amount 20.000	Range 30 - 150			Recovery =	92.46%	96.63%
3) s	Decachlorobi	4.004	4.506	181.5E6	220.9E6	15.735M4	16.374
	Spiked Amount 20.000	Range 30 - 150			Recovery =	78.67%	81.87%
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.	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

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-34.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 17:07
Operator : pest2:meo
Sample : L2467934-10,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:58 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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.	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.	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	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\241124a\
Data File : P2241124a-34.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 17:07
Operator : pest2:meo
Sample : L2467934-10,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:58 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
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	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.	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

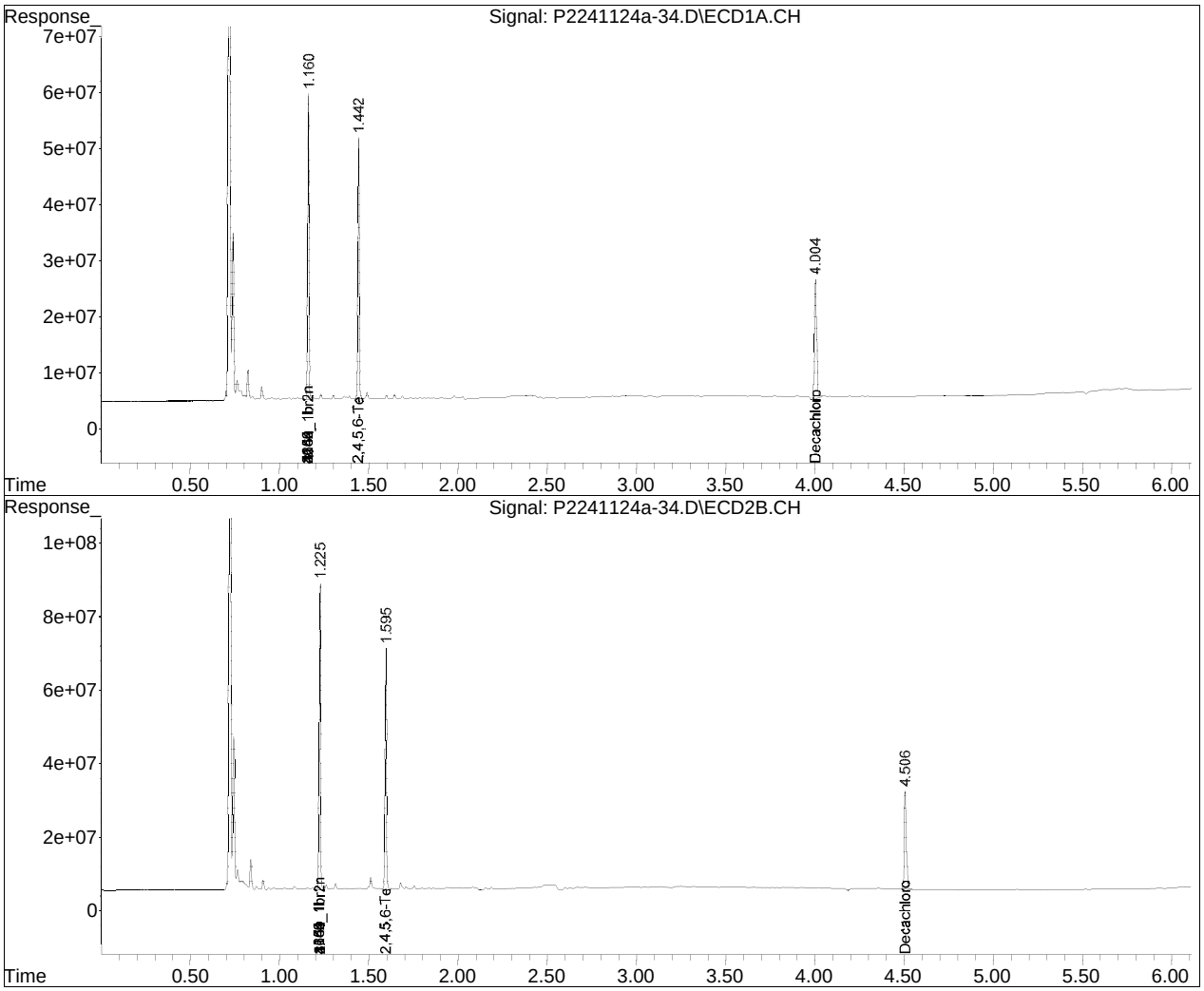
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-34.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 17:07
Operator : pest2:meo
Sample : L2467934-10,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:58 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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 :

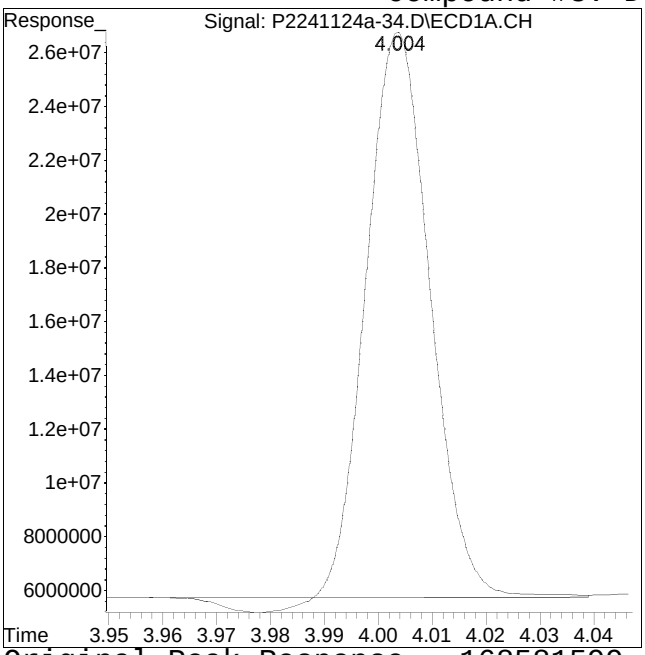


Manual Integration Report

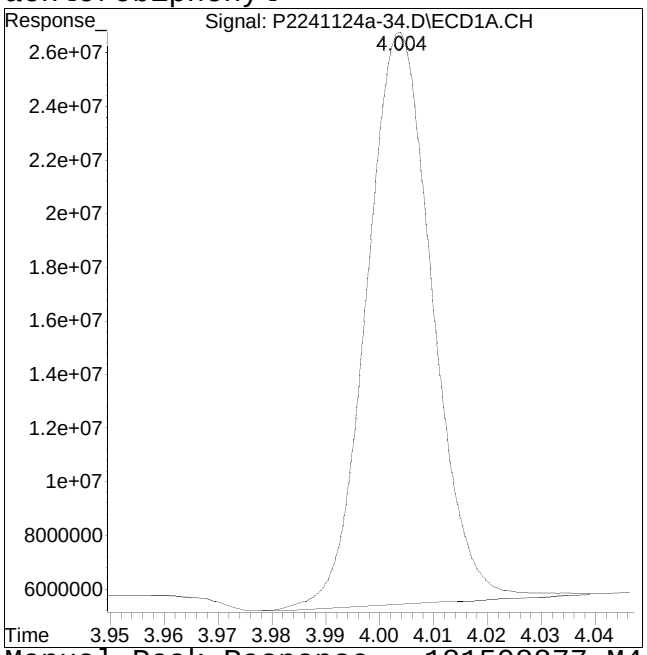
Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-34.D
Date Inj'd : 11/24/2024 17:07
Sample : L2467934-10,42,,

QMethod : P2_PCB_11_13_24_iRVT_ICA
Operator : pest2:meo
Instrument : Pest 2
Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 168581599



Manual Peak Response = 181508877 M4

M4 = Poor automated baseline construction.

Aroclor Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21708**
Calibration dates	**: 11/13/24 19:31 11/13/24 21:33**		

Calibration Files

1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D

6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------											
2)	s	2,4,5,6-Tetra	1.166	1.195	1.125	1.177	1.167	1.148	1.199	1.210	1.199		1.176	2.35
3)	s	Decachlorobip	1.100	1.060	1.007	1.036	1.013	0.985	0.978	0.967	0.953		1.011	4.71
4)	l1	1016-1	0.026	0.023	0.019	0.022	0.022	0.020	0.020	0.020	0.019		0.021	10.65
5)	l1	1016-2	0.047	0.051	0.052	0.052	0.052	0.050	0.050	0.048	0.045		0.050	5.36
6)	l1	1016-3	0.108	0.103	0.098	0.101	0.100	0.097	0.100	0.100	0.099		0.101	3.29
7)	l1	1016-4	0.053	0.046	0.043	0.043	0.043	0.040	0.042	0.041	0.041		0.044	8.87
8)	l1	1016-5	0.052	0.046	0.045	0.045	0.045	0.041	0.044	0.042	0.041		0.045	7.46
9)	l2	1260-1	0.071	0.066	0.062	0.066	0.064	0.060	0.062	0.061	0.060		0.064	5.61
10)	l2	1260-2	0.111	0.105	0.099	0.106	0.102	0.097	0.097	0.096	0.094		0.101	5.62
11)	l2	1260-3	0.051	0.064	0.058	0.060	0.055	0.053	0.052	0.052	0.049		0.055	8.77
12)	l2	1260-4	0.108	0.107	0.107	0.114	0.112	0.109	0.111	0.112	0.111		0.110	2.17
13)	l2	1260-5	0.088	0.083	0.082	0.085	0.084	0.080	0.082	0.082	0.085		0.083	2.78
14)	i	2154_1br2nb	----------ISTD----------											
15)	l3	1221-1							0.011				0.011	0.00
16)	l3	1221-2							0.007				0.007	0.00
17)	l3	1221-3							0.029				0.029	0.00
18)	l4	1254-1							0.042				0.042	0.00
19)	l4	1254-2							0.083				0.083	0.00
20)	l4	1254-3							0.076				0.076	0.00
21)	l4	1254-4							0.057				0.057	0.00
22)	l4	1254-5							0.076				0.076	0.00
23)	i	4268_1br2nb	----------ISTD----------											
24)	l6	1242-1							0.016				0.016	0.00
25)	l6	1242-2							0.036				0.036	0.00
26)	l6	1242-3							0.073				0.073	0.00
27)	l6	1242-4							0.030				0.030	0.00
28)	l6	1242-5							0.024				0.024	0.00
29)	l9	1268-1							0.172				0.172	0.00
30)	l9	1268-2							0.152				0.152	0.00
31)	l9	1268-3							0.114				0.114	0.00
32)	l9	1268-4							0.049				0.049	0.00
33)	l9	1268-5							0.332				0.332	0.00
34)	i	1248_1br2nb	----------ISTD----------											
35)	l7	1248-1							0.055				0.055	0.00
36)	l7	1248-2							0.060				0.060	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21708**
Calibration dates	**: 11/13/24 19:31 11/13/24 21:33**		

Calibration Files

1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D

6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
37) l7 1248-3							0.055				0.055	0.00
38) l7 1248-4							0.049				0.049	0.00
39) l7 1248-5							0.050				0.050	0.00
40) i 3262_1br2nb	----------ISTD----------											
41) l5 1232-1							0.025				0.025	0.00
42) l5 1232-2							0.020				0.020	0.00
43) l5 1232-3							0.042				0.042	0.00
44) l5 1232-4							0.017				0.017	0.00
45) l5 1232-5							0.014				0.014	0.00
46) l8 1262-1							0.062				0.062	0.00
47) l8 1262-2							0.088				0.088	0.00
48) l8 1262-3							0.069				0.069	0.00
49) l8 1262-4							0.137				0.137	0.00
50) l8 1262-5							0.045				0.045	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21708**
Calibration dates	**: 11/13/24 19:31 11/13/24 21:33**		

Signal #2 Calibration Files

1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------											
2)	s	2,4,5,6-Tetra	1.082	1.115	1.072	1.077	1.073	1.048	1.051	1.053	1.010		1.064	2.71
3)	s	Decachlorobip	0.860	0.862	0.780	0.844	0.821	0.780	0.716	0.732	0.674		0.785	8.59
4)	l1	1016-1	0.023	0.022	0.020	0.020	0.020	0.019	0.017	0.017	0.016		0.019	11.92
5)	l1	1016-2	0.050	0.048	0.049	0.048	0.049	0.046	0.042	0.040	0.037		0.045	10.21
6)	l1	1016-3	0.101	0.096	0.095	0.094	0.093	0.088	0.086	0.085	0.080		0.091	7.21
7)	l1	1016-4	0.045	0.042	0.038	0.037	0.037	0.035	0.034	0.033	0.031		0.037	11.65
8)	l1	1016-5	0.035	0.038	0.035	0.035	0.031	0.029	0.027	0.026	0.025		0.031	15.06
9)	l2	1260-1	0.061	0.050	0.057	0.059	0.057	0.053	0.051	0.050	0.049		0.054	8.62
10)	l2	1260-2	0.075	0.073	0.067	0.076	0.067	0.063	0.060	0.065	0.057		0.067	9.86
11)	l2	1260-3	0.063	0.062	0.050	0.063	0.064	0.049	0.047	0.048	0.044		0.054	15.00
12)	l2	1260-4	0.107	0.102	0.090	0.105	0.101	0.090	0.089	0.092	0.085		0.096	8.63
13)	l2	1260-5	0.089	0.088	0.068	0.081	0.080	0.068	0.066	0.068	0.063		0.074	13.45
14)	i	2154_1br2nb	----------ISTD----------											
15)	l3	1221-1							0.011				0.011	0.00
16)	l3	1221-2							0.007				0.007	0.00
17)	l3	1221-3							0.025				0.025	0.00
18)	l4	1254-1							0.043				0.043	0.00
19)	l4	1254-2							0.055				0.055	0.00
20)	l4	1254-3							0.068				0.068	0.00
21)	l4	1254-4							0.046				0.046	0.00
22)	l4	1254-5							0.059				0.059	0.00
23)	i	4268_1br2nb	----------ISTD----------											
24)	l6	1242-1							0.015				0.015	0.00
25)	l6	1242-2							0.033				0.033	0.00
26)	l6	1242-3							0.064				0.064	0.00
27)	l6	1242-4							0.025				0.025	0.00
28)	l6	1242-5							0.021				0.021	0.00
29)	l9	1268-1							0.129				0.129	0.00
30)	l9	1268-2							0.113				0.113	0.00
31)	l9	1268-3							0.082				0.082	0.00
32)	l9	1268-4							0.038				0.038	0.00
33)	l9	1268-5							0.233				0.233	0.00
34)	i	1248_1br2nb	----------ISTD----------											
35)	l7	1248-1							0.048				0.048	0.00
36)	l7	1248-2							0.026				0.026	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21708**
Calibration dates	**: 11/13/24 19:31 11/13/24 21:33**		

Signal #2 Calibration Files

1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

	Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
37) l7	1248-3							0.035				0.035	0.00
38) l7	1248-4							0.038				0.038	0.00
39) l7	1248-5							0.046				0.046	0.00
40) i	3262_1br2nb	----------ISTD----------											
41) l5	1232-1							0.022				0.022	0.00
42) l5	1232-2							0.020				0.020	0.00
43) l5	1232-3							0.038				0.038	0.00
44) l5	1232-4							0.015				0.015	0.00
45) l5	1232-5							0.013				0.013	0.00
46) l8	1262-1							0.046				0.046	0.00
47) l8	1262-2							0.060				0.060	0.00
48) l8	1262-3							0.056				0.056	0.00
49) l8	1262-4							0.102				0.102	0.00
50) l8	1262-5							0.036				0.036	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\241113I\
Method File : P2_PCB_11_13_24_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 14 13:12:04 2024
Response Via : Initial Calibration

Calibration Files
1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------											
2)	s	2,4,5,6-Tetra...	1.166	1.195	1.125	1.177	1.167	1.148	1.199	1.210	1.199		1.176	2.35
3)	s	Decachlorobip...	1.100	1.060	1.007	1.036	1.013	0.985	0.978	0.967	0.953		1.011	4.71
4)	l1	1016-1	0.026	0.023	0.019	0.022	0.022	0.020	0.020	0.020	0.019		0.021	10.65
5)	l1	1016-2	0.047	0.051	0.052	0.052	0.052	0.050	0.050	0.048	0.045		0.050	5.36
6)	l1	1016-3	0.108	0.103	0.098	0.101	0.100	0.097	0.100	0.100	0.099		0.101	3.29
7)	l1	1016-4	0.053	0.046	0.043	0.043	0.043	0.040	0.042	0.041	0.041		0.044	8.87
8)	l1	1016-5	0.052	0.046	0.045	0.045	0.045	0.041	0.044	0.042	0.041		0.045	7.46
9)	l2	1260-1	0.071	0.066	0.062	0.066	0.064	0.060	0.062	0.061	0.060		0.064	5.61
10)	l2	1260-2	0.111	0.105	0.099	0.106	0.102	0.097	0.097	0.096	0.094		0.101	5.62
11)	l2	1260-3	0.051	0.064	0.058	0.060	0.055	0.053	0.052	0.052	0.049		0.055	8.77
12)	l2	1260-4	0.108	0.107	0.107	0.114	0.112	0.109	0.111	0.112	0.111		0.110	2.17
13)	l2	1260-5	0.088	0.083	0.082	0.085	0.084	0.080	0.082	0.082	0.085		0.083	2.78
14)	i	2154_1br2nb	----------ISTD----------											
15)	l3	1221-1							0.011				0.011	0.00
16)	l3	1221-2							0.007				0.007	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\241113I\
Method File : P2_PCB_11_13_24_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 14 13:12:04 2024
Response Via : Initial Calibration

Calibration Files
1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
17)	l3	1221-3								0.029			0.029	0.00
18)	l4	1254-1								0.042			0.042	0.00
19)	l4	1254-2								0.083			0.083	0.00
20)	l4	1254-3								0.076			0.076	0.00
21)	l4	1254-4								0.057			0.057	0.00
22)	l4	1254-5								0.076			0.076	0.00
23)	i	4268_1br2nb	----------ISTD----------											
24)	l6	1242-1								0.016			0.016	0.00
25)	l6	1242-2								0.036			0.036	0.00
26)	l6	1242-3								0.073			0.073	0.00
27)	l6	1242-4								0.030			0.030	0.00
28)	l6	1242-5								0.024			0.024	0.00
29)	l9	1268-1								0.172			0.172	0.00
30)	l9	1268-2								0.152			0.152	0.00
31)	l9	1268-3								0.114			0.114	0.00
32)	l9	1268-4								0.049			0.049	0.00
33)	l9	1268-5								0.332			0.332	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\241113I\
Method File : P2_PCB_11_13_24_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 14 13:12:04 2024
Response Via : Initial Calibration

Calibration Files
1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
34)	i	1248_1br2nb	----------ISTD----------											
35)	l7	1248-1								0.055			0.055	0.00
36)	l7	1248-2								0.060			0.060	0.00
37)	l7	1248-3								0.055			0.055	0.00
38)	l7	1248-4								0.049			0.049	0.00
39)	l7	1248-5								0.050			0.050	0.00
40)	i	3262_1br2nb	----------ISTD----------											
41)	l5	1232-1								0.025			0.025	0.00
42)	l5	1232-2								0.020			0.020	0.00
43)	l5	1232-3								0.042			0.042	0.00
44)	l5	1232-4								0.017			0.017	0.00
45)	l5	1232-5								0.014			0.014	0.00
46)	l8	1262-1								0.062			0.062	0.00
47)	l8	1262-2								0.088			0.088	0.00
48)	l8	1262-3								0.069			0.069	0.00
49)	l8	1262-4								0.137			0.137	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\241113I\
Method File : P2_PCB_11_13_24_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 14 13:12:04 2024
Response Via : Initial Calibration

Calibration Files
1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
50)	l8	1262-5								0.045			0.045	0.00

Signal #2 Calibration Files
1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------											
2)	s	2,4,5,6-Tetra...	1.082	1.115	1.072	1.077	1.073	1.048	1.051	1.053	1.010		1.064	2.71
3)	s	Decachlorobip...	0.860	0.862	0.780	0.844	0.821	0.780	0.716	0.732	0.674		0.785	8.59
4)	l1	1016-1	0.023	0.022	0.020	0.020	0.020	0.019	0.017	0.017	0.016		0.019	11.92
5)	l1	1016-2	0.050	0.048	0.049	0.048	0.049	0.046	0.042	0.040	0.037		0.045	10.21
6)	l1	1016-3	0.101	0.096	0.095	0.094	0.093	0.088	0.086	0.085	0.080		0.091	7.21
7)	l1	1016-4	0.045	0.042	0.038	0.037	0.037	0.035	0.034	0.033	0.031		0.037	11.65
8)	l1	1016-5	0.035	0.038	0.035	0.035	0.031	0.029	0.027	0.026	0.025		0.031	15.06
9)	l2	1260-1	0.061	0.050	0.057	0.059	0.057	0.053	0.051	0.050	0.049		0.054	8.62
10)	l2	1260-2	0.075	0.073	0.067	0.076	0.067	0.063	0.060	0.065	0.057		0.067	9.86
11)	l2	1260-3	0.063	0.062	0.050	0.063	0.064	0.049	0.047	0.048	0.044		0.054	15.00
12)	l2	1260-4	0.107	0.102	0.090	0.105	0.101	0.090	0.089	0.092	0.085		0.096	8.63

Method Path : I:\PCB\Pest2\2024\241113I\
Method File : P2_PCB_11_13_24_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 14 13:12:04 2024
Response Via : Initial Calibration

Calibration Files
1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
13)	l2	1260-5	0.089	0.088	0.068	0.081	0.080	0.068	0.066	0.068	0.063		0.074	13.45
14)	i	2154_1br2nb	----------ISTD----------											
15)	l3	1221-1								0.011			0.011	0.00
16)	l3	1221-2								0.007			0.007	0.00
17)	l3	1221-3								0.025			0.025	0.00
18)	l4	1254-1								0.043			0.043	0.00
19)	l4	1254-2								0.055			0.055	0.00
20)	l4	1254-3								0.068			0.068	0.00
21)	l4	1254-4								0.046			0.046	0.00
22)	l4	1254-5								0.059			0.059	0.00
23)	i	4268_1br2nb	----------ISTD----------											
24)	l6	1242-1								0.015			0.015	0.00
25)	l6	1242-2								0.033			0.033	0.00
26)	l6	1242-3								0.064			0.064	0.00
27)	l6	1242-4								0.025			0.025	0.00
28)	l6	1242-5								0.021			0.021	0.00
29)	l9	1268-1								0.129			0.129	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\241113I\
Method File : P2_PCB_11_13_24_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 14 13:12:04 2024
Response Via : Initial Calibration

Calibration Files
1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
30)	l9	1268-2								0.113			0.113	0.00
31)	l9	1268-3								0.082			0.082	0.00
32)	l9	1268-4								0.038			0.038	0.00
33)	l9	1268-5								0.233			0.233	0.00
34)	i	1248_1br2nb	----------ISTD----------											
35)	l7	1248-1								0.048			0.048	0.00
36)	l7	1248-2								0.026			0.026	0.00
37)	l7	1248-3								0.035			0.035	0.00
38)	l7	1248-4								0.038			0.038	0.00
39)	l7	1248-5								0.046			0.046	0.00
40)	i	3262_1br2nb	----------ISTD----------											
41)	l5	1232-1								0.022			0.022	0.00
42)	l5	1232-2								0.020			0.020	0.00
43)	l5	1232-3								0.038			0.038	0.00
44)	l5	1232-4								0.015			0.015	0.00
45)	l5	1232-5								0.013			0.013	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\241113I\
Method File : P2_PCB_11_13_24_iRVT_ICAL.m
Title : pcb
Last Update : Thu Nov 14 13:12:04 2024
Response Via : Initial Calibration

Calibration Files
1 =P2241113i-08.D 2 =P2241113i-09.D 3 =P2241113i-10.D 4 =P2241113i-11.D 5 =P2241113i-12.D
6 =P2241113i-13.D 7 =P2241113i-14.D 8 =P2241113i-07.D 9 =P2241113i-16.D 10 =P2241113i-17.D

	Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
46)	l8 1262-1								0.046			0.046	0.00
47)	l8 1262-2								0.060			0.060	0.00
48)	l8 1262-3								0.056			0.056	0.00
49)	l8 1262-4								0.102			0.102	0.00
50)	l8 1262-5								0.036			0.036	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:31
Operator : pest2:rmp
Sample : il84268,42e,,pp 11860 L250RVT
Misc : WG1997644,
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:29 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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	1.160	1.226	244.7E6	373.8E6	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	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:31
Operator : pest2:rmp
Sample : il84268,42e,,pp 11860 L250RVT
Misc : WG1997644,
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:29 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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	1221-1			0	0	N.D.	N.D.	
Average	1221-1					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	1.580	1.796	39525458	54493931	250.000	250.000	
25) l6	1242-2	1.721	1.966	88435184	124.5E6	250.000	250.000	
26) l6	1242-3	1.908	2.166	179.1E6	237.5E6	250.000	250.000	
27) l6	1242-4	1.963	2.226	74149020	94531188	250.000	250.000	
28) l6	1242-5	2.314	2.610	59109577	80184391	250.000	250.000	
Sum	1242-1			440.4E6	591.2E6	1250.000	1250.000	
Average	1242-1					250.000	250.000	
29) l9	1268-1	3.435	3.859	419.0E6	481.6E6	248.266	250.000	
30) l9	1268-2	3.456	3.885	381.2E6	421.5E6	255.789	250.000	
31) l9	1268-3	3.558	4.026	278.6E6	306.9E6	250.000	250.000	
32) l9	1268-4	3.744	4.178	120.7E6	142.1E6	250.000	250.000	
33) l9	1268-5	3.898	4.363	813.6E6	869.8E6	250.000	250.000	
Sum	1268-1			2013.2E6	2222.0E6	NoCal	NoCal	D
Average	1268-1					250.811	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	
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.	

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:31
Operator : pest2:rmp
Sample : il84268,42e,,pp 11860 L250RVT
Misc : WG1997644,
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:29 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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	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

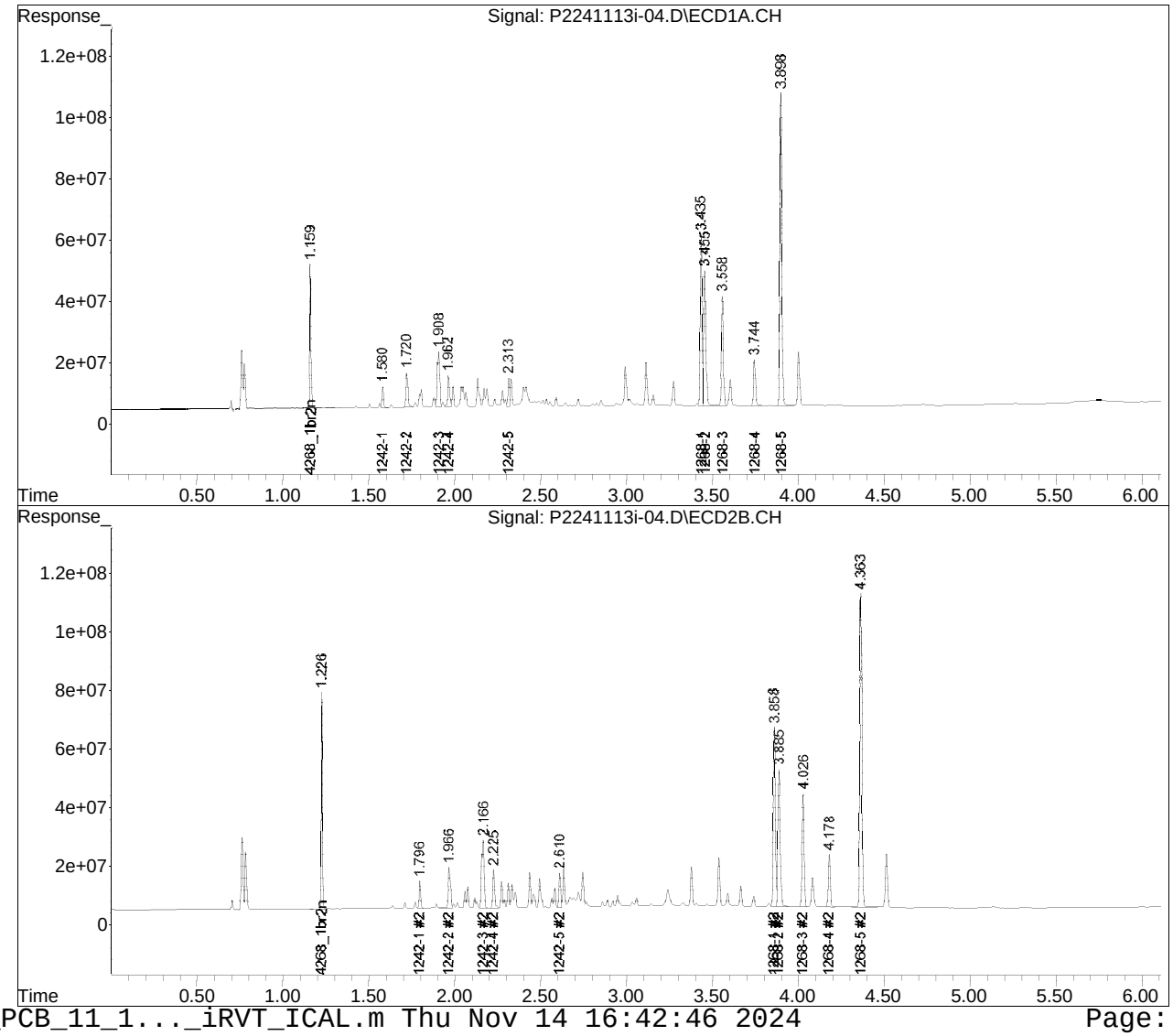
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:31
Operator : pest2:rmp
Sample : il84268,42e,,pp 11860 L250RVT
Misc : WG1997644,
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:29 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-04.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 19:31 Instrument : Pest 2
Sample : il84268,42e,,pp 11860 L250Quant Date : 11/14/2024 1:04 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:40
Operator : pest2:rmp
Sample : il83262,42e,,pp 11859 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:06 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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	1.161	1.227	239.1E6	367.8E6	25.000	25.000
	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	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:40
Operator : pest2:rmp
Sample : il83262,42e,,pp 11859 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:06 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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	1221-1			0	0	N.D.	N.D.
Average	1221-1					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
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:40
Operator : pest2:rmp
Sample : il83262,42e,,pp 11859 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:06 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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	1248-1					0.000	0.000
41) l5	1232-1	1.581	1.796	60254198	80705079	250.000	250.000
42) l5	1232-2	1.721	1.966	48525713	72408204	250.000	250.000
43) l5	1232-3	1.909	2.166	100.9E6	140.3E6	250.000	250.000
44) l5	1232-4	1.963	2.226	39788035	56263738	250.000	250.000
45) l5	1232-5	2.314	2.611	33386696	46611090	250.000	250.000
Sum	1232-1			282.9E6	396.3E6	1250.000	1250.000
Average	1232-1					250.000	250.000
46) l8	1262-1	2.803	3.144	147.8E6	169.8E6	250.000	250.000
47) l8	1262-2	2.994	3.377	209.4E6	222.0E6	250.000	250.000
48) l8	1262-3	3.117	3.535	164.3E6	204.3E6	250.000	250.000
49) l8	1262-4	3.272	3.664	328.2E6	375.5E6	250.000	250.000
50) l8	1262-5	3.746	4.180	107.1E6	132.6E6	250.000	250.000
Sum	1262-1			956.7E6	1104.1E6	1250.000	1250.000
Average	1262-1					250.000	250.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			956.7E6	1104.1E6	1250.000	1250.000
Average	1262-1					250.000	250.000

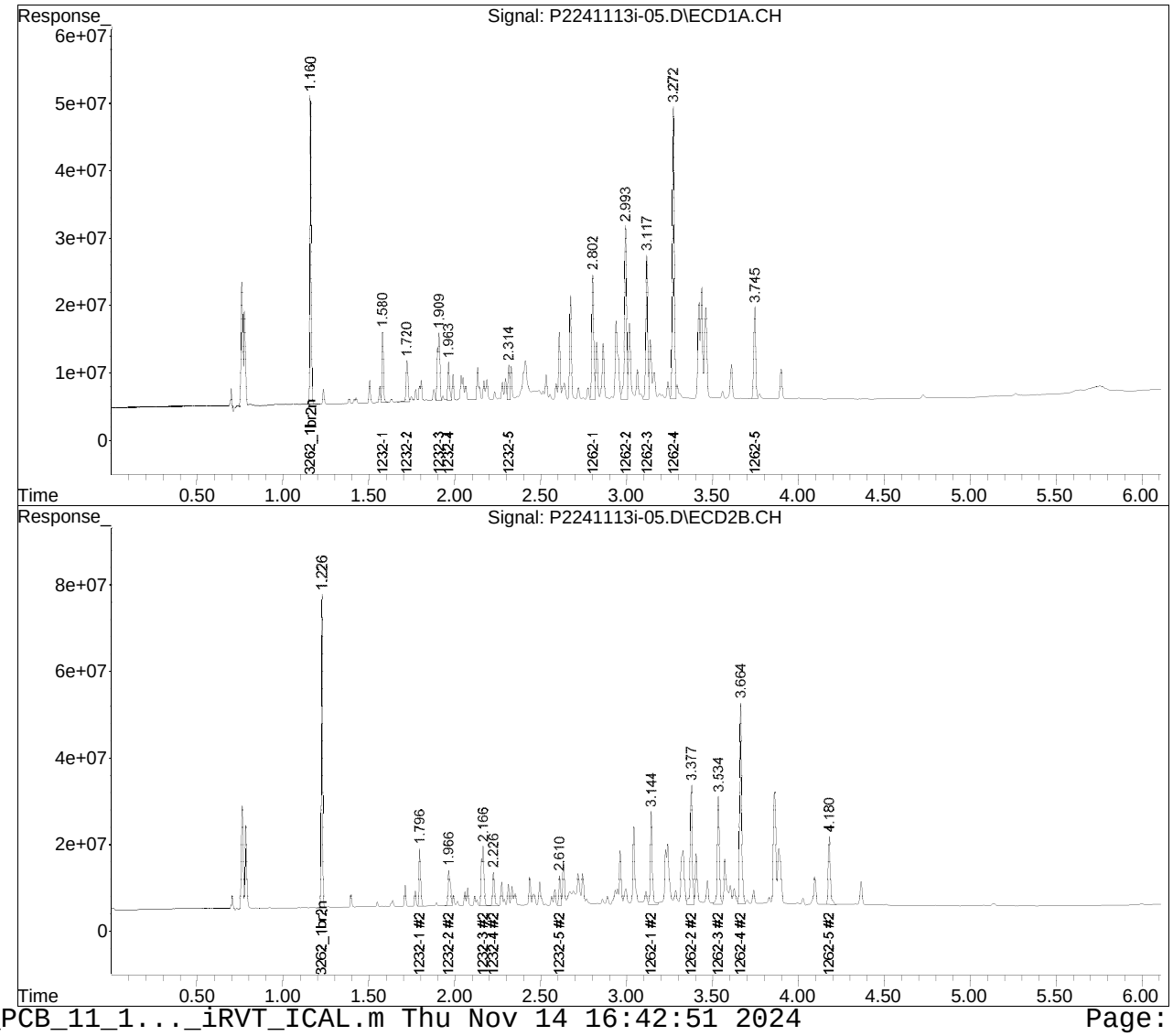
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:40
Operator : pest2:rmp
Sample : il83262,42e,,pp 11859 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:06 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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\241113i\	QMethod	: P2_PCB_11_13_24_iRVT_ICA
Data File	: P2241113i-05.D	Operator	: pest2:rmp
Date Inj'd	: 11/13/2024 19:40	Instrument	: Pest 2
Sample	: il83262,42e,,pp 11859 L250	Quant Date	: 11/14/2024 1:07 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:50
Operator : pest2:rmp
Sample : il81248,42e,,pp 11861 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:09:37 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:09:32 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	1.161	1.227	227.9E6	374.1E6	25.000	25.000
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	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 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\241113i\
Data File : P2241113i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:50
Operator : pest2:rmp
Sample : il81248,42e,,pp 11861 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:09:37 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:09:32 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	1221-1			0	0	N.D.	N.D.
Average	1221-1					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. 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	1.908	2.167	125.7E6	178.9E6	250.000	250.000
36) l7	1248-2	2.037	2.311	137.3E6	97204663	251.044M1	250.000
37) l7	1248-3	2.132	2.436	125.0E6	129.4E6	250.000	250.000
38) l7	1248-4	2.314	2.611	112.4E6	142.3E6	269.377	250.000
39) l7	1248-5	2.327	2.634	113.0E6	170.5E6	256.497	250.000

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:50
Operator : pest2:rmp
Sample : il81248,42e,,pp 11861 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:09:37 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:09:32 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			613.4E6	718.2E6	N.D.	N.D. D
Average	1248-1					255.384	250.000
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

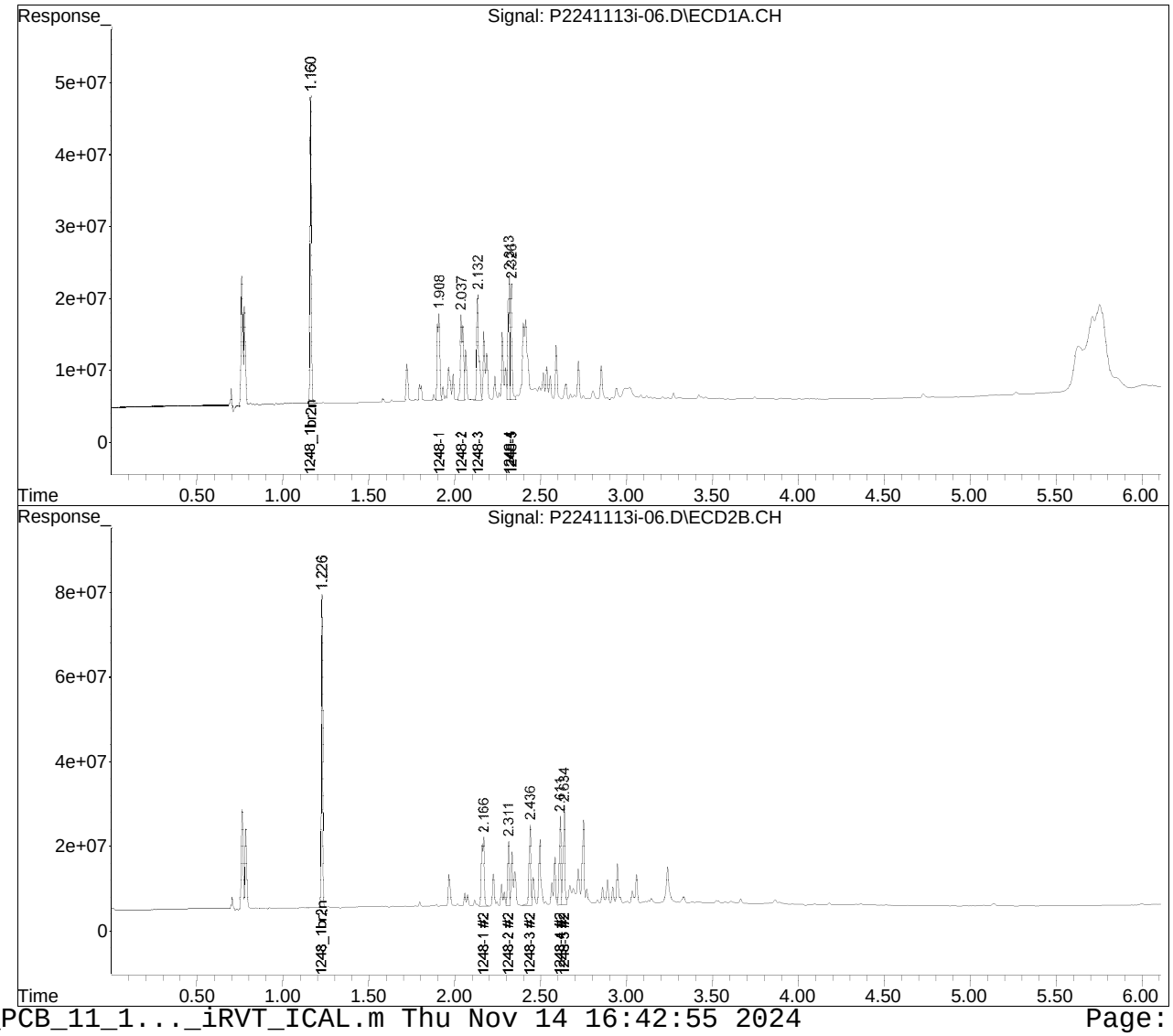
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:50
Operator : pest2:rmp
Sample : il81248,42e,,pp 11861 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:09:37 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:09:32 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

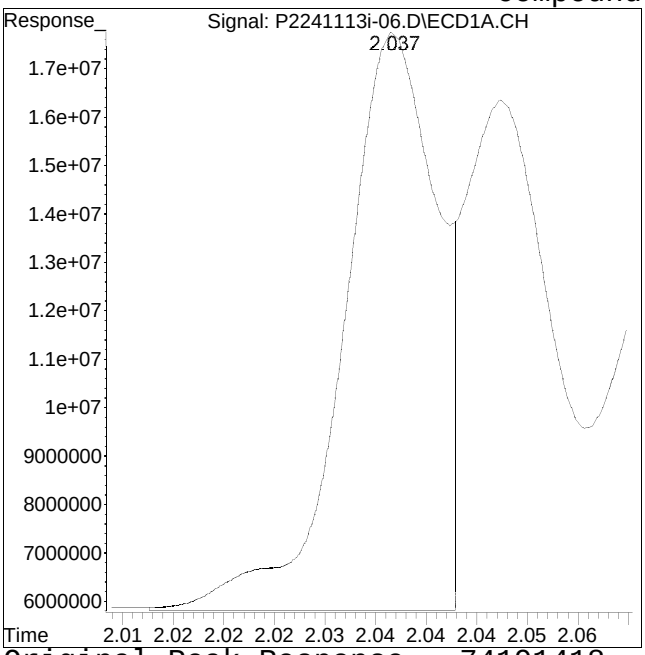
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

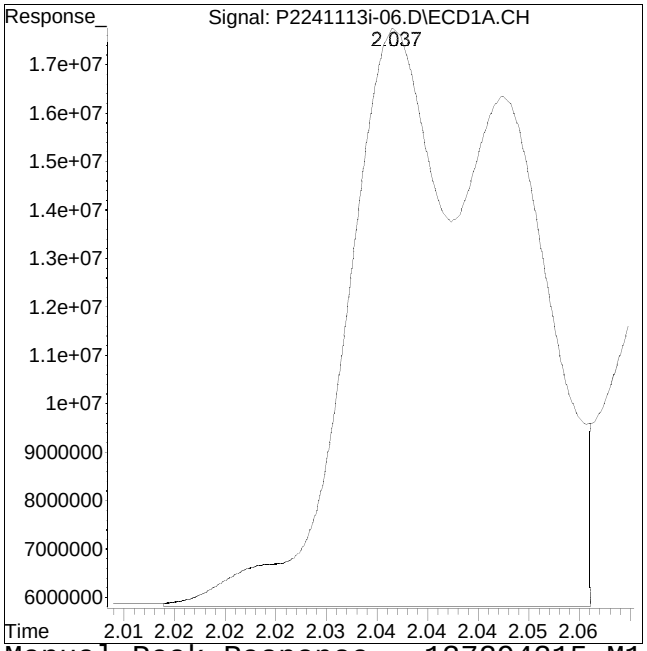


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-06.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 19:50 Instrument : Pest 2
Sample : il81248,42e,,pp 11861 L250Quant Date : 11/14/2024 1:09 pm

Compound #36: 1248-2





Original Peak Response = 74191418 Manual Peak Response = 137294215 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\241113i\
Data File : P2241113i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:59
Operator : pest2:rmp
Sample : il82154,42e,,pp 11858 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:11:25 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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	1.161	1.227	237.1E6	373.8E6	25.000	25.000
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	1221-1	1.506	1.712	27038157	41160994	NoCal	NoCal
16) l3	1221-2	1.564	1.771	16358609	25713152	NoCal	NoCal
17) l3	1221-3	1.581	1.797	68492955	93828858	NoCal	NoCal

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:59
Operator : pest2:rmp
Sample : il82154,42e,,pp 11858 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:11:25 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	2.296	2.632	99083500	160.8E6	NoCal	NoCal
19) l4	1254-2	2.408	2.719	197.6E6	206.8E6	NoCal	NoCal
20) l4	1254-3	2.590	2.947	180.9E6	253.1E6	NoCal	NoCal
21) l4	1254-4	2.719	3.058	135.7E6	173.3E6	NoCal	NoCal
22) l4	1254-5	2.941	3.333	179.9E6	220.9E6	NoCal	NoCal
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	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.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:59
Operator : pest2:rmp
Sample : il82154,42e,,pp 11858 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:11:25 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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	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.	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

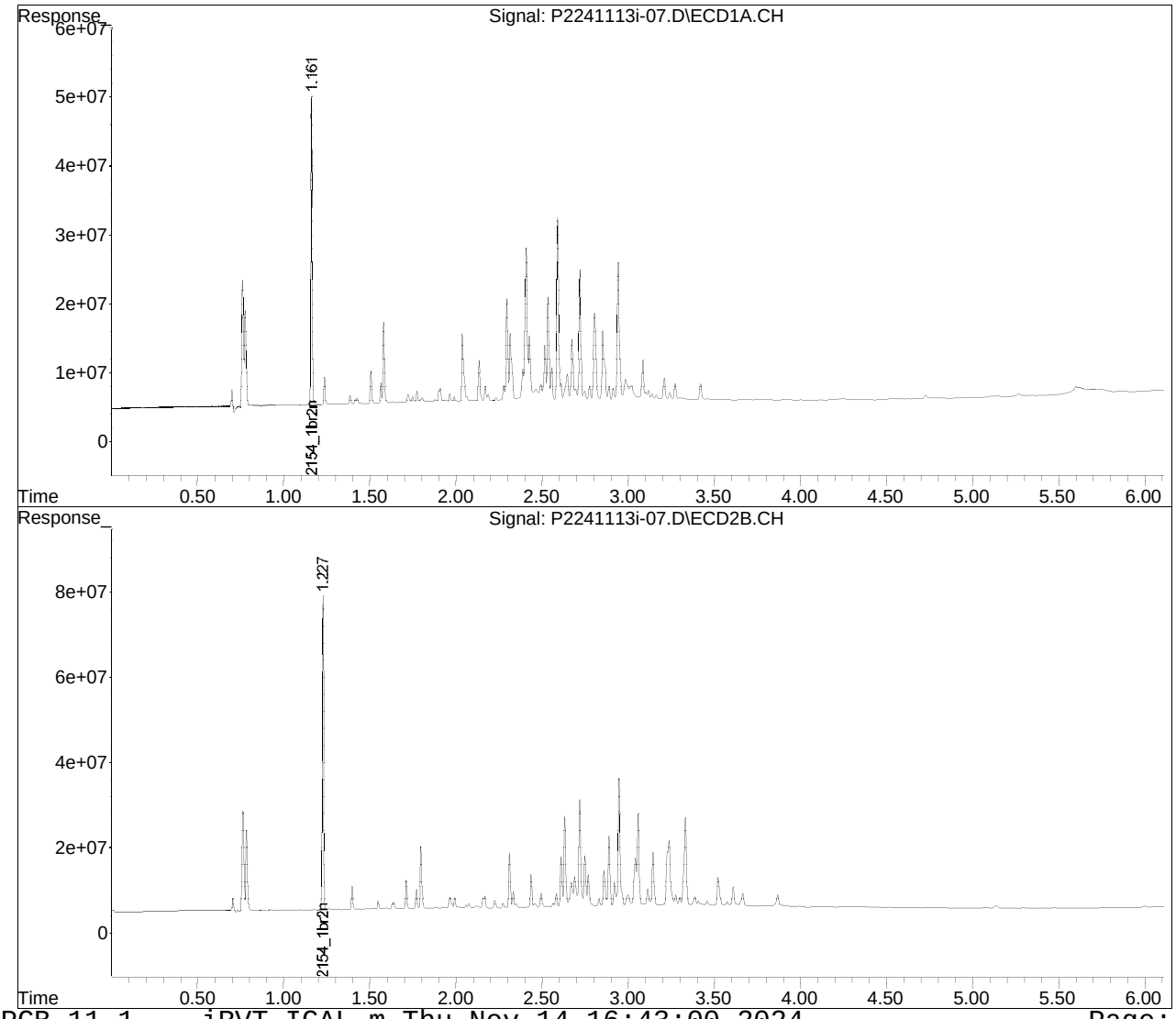
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 19:59
Operator : pest2:rmp
Sample : il82154,42e,,pp 11858 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:11:25 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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\241113i\	QMethod	: P2_PCB_11_13_24_iRVT_ICA
Data File	: P2241113i-07.D	Operator	: pest2:rmp
Date Inj'd	: 11/13/2024 19:59	Instrument	: Pest 2
Sample	: il82154,42e,,pp 11858 L250	Quant Date	: 11/14/2024 1:11 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:18
Operator : pest2:rmp
Sample : il21660,42e,,pp 11854 L10RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:03 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	1.162	1.228	224.4E6	363.4E6	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	1.444	1.598	10461533	15726049	0.747M4	0.705M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	3.74%#	3.52%#
3) s	Decachlorobi	4.002	4.512	9867825	12502939	0.884M4	0.915M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	4.42%#	4.58%#
	Target Compounds						
4) l1	1016-1	1.582	1.797	2325305	3300407	8.533M3	6.907M4
5) l1	1016-2	1.722	1.967	4187873	7299893	6.578M4	6.275M4
6) l1	1016-3	1.910	2.167	9715265	14650391	6.651M4	7.284M4
7) l1	1016-4	1.964	2.227	4729024	6531252	7.930M4	6.861M4
8) l1	1016-5	2.134	2.437	4644853	5099302	6.810	4.186M4
	Sum 1016-1			25602321	36881244	36.502	31.515
	Average 1016-1					7.300	6.303
9) l2	1260-1	2.674	3.043	6344349	8932555	8.583	6.239M4
10) l2	1260-2	2.804	3.145	9947669	10887625	6.906	6.097M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:18
Operator : pest2:rmp
Sample : il21660,42e,,pp 11854 L10RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:03 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	3.117	3.535	4574449	9097634	8.787M4	9.185M4
12) l2	1260-4	3.272	3.665	9728814	15561680	9.009M4	8.510M4
13) l2	1260-5	3.420	3.866	7877073	12924179	9.003	6.266M4
Sum	1260-1			38472353	57403673	NoCal	NoCal D
Average	1260-1					8.458	7.260
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					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\241113i\
Data File : P2241113i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:18
Operator : pest2:rmp
Sample : il21660,42e,,pp 11854 L10RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:03 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\241113i\
Data File : P2241113i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:18
Operator : pest2:rmp
Sample : il21660,42e,,pp 11854 L10RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:03 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

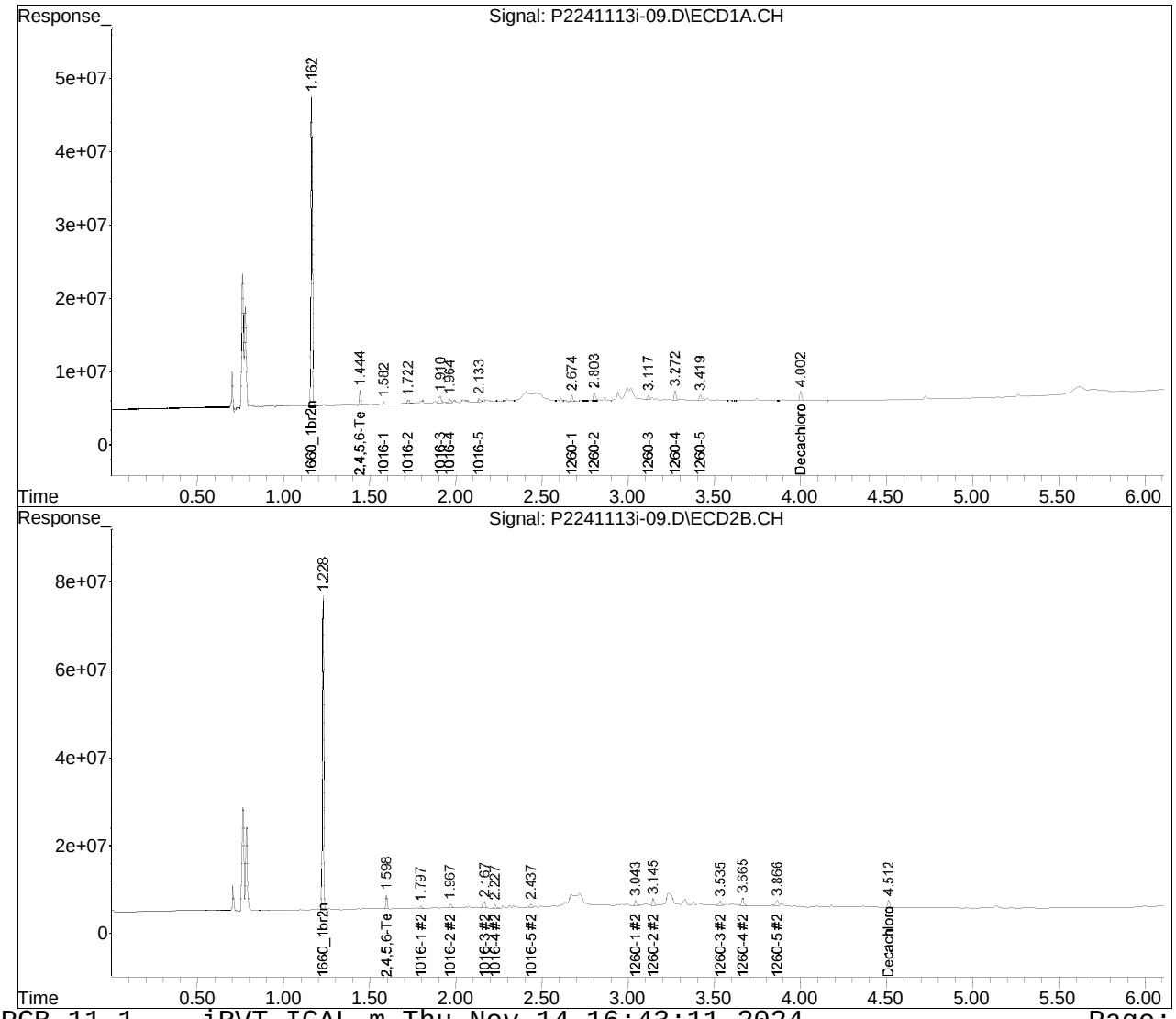
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:18
Operator : pest2:rmp
Sample : il21660,42e,,pp 11854 L10RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:03 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

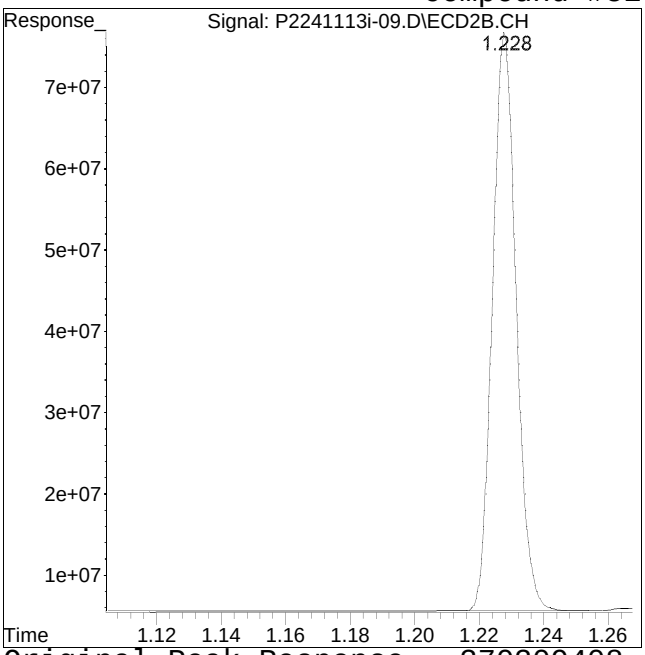
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

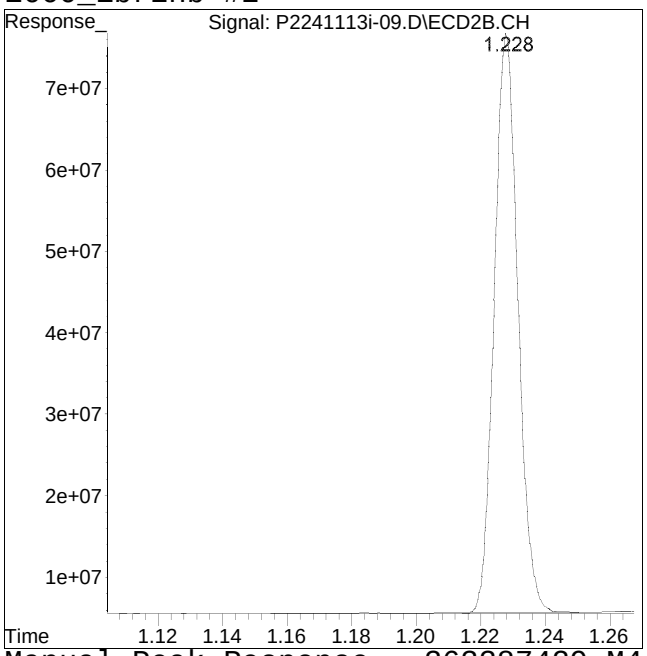


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #52: 1660_1br2nb #2



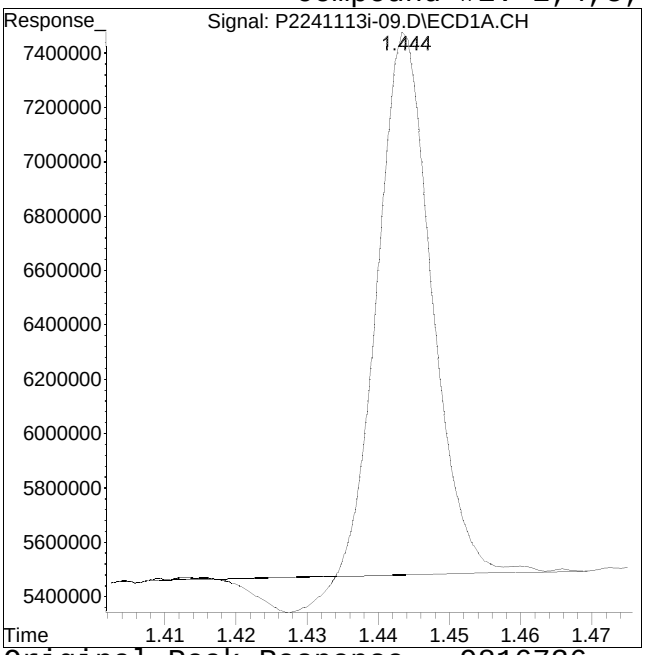


Original Peak Response = 370309408 Manual Peak Response = 363387429 M4
M4 = Poor automated baseline construction.

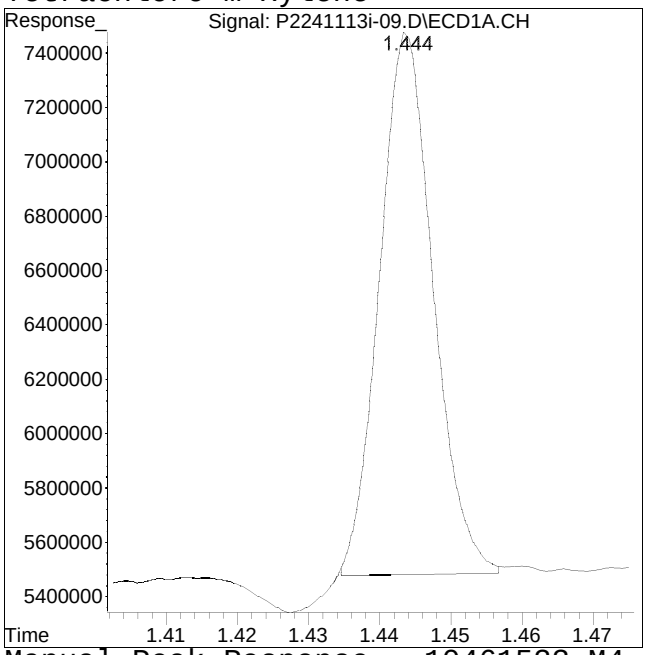
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 9816736



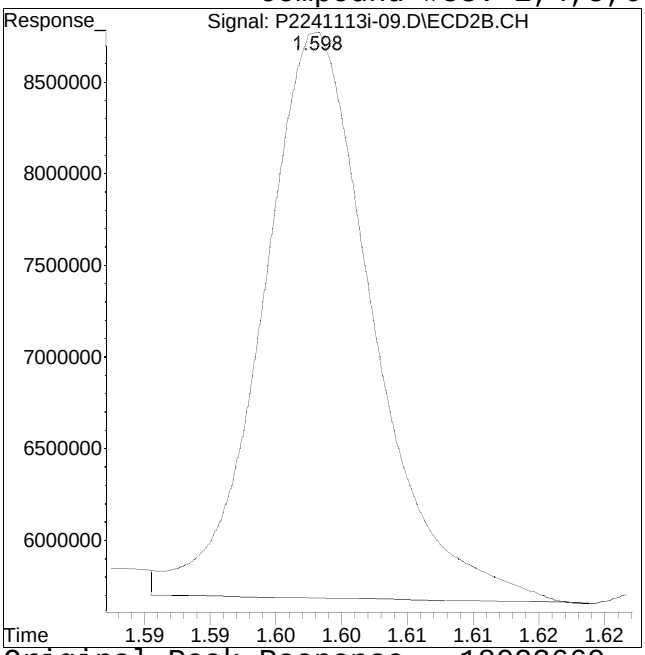
Manual Peak Response = 10461533 M4

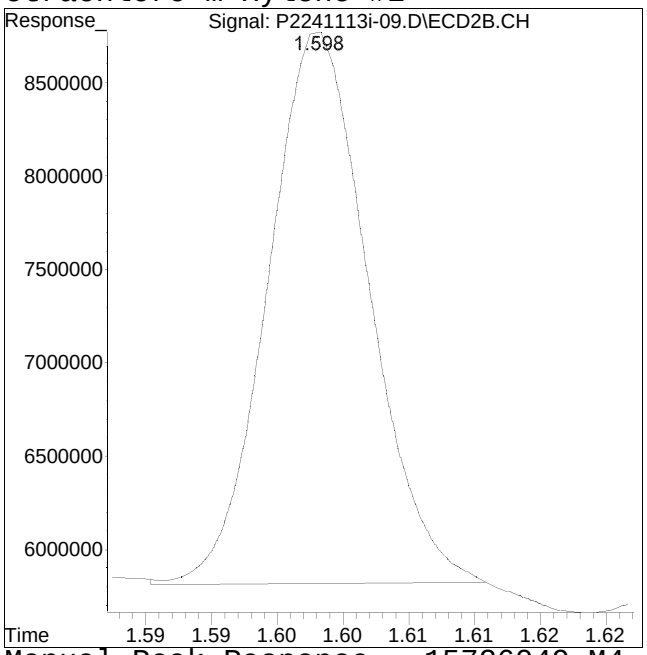
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



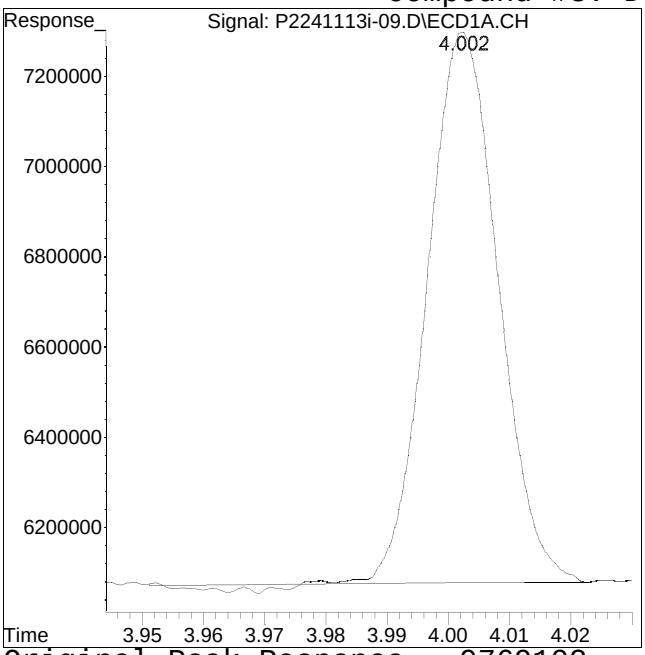


Original Peak Response = 18022660 Manual Peak Response = 15726049 M4
M4 = Poor automated baseline construction.

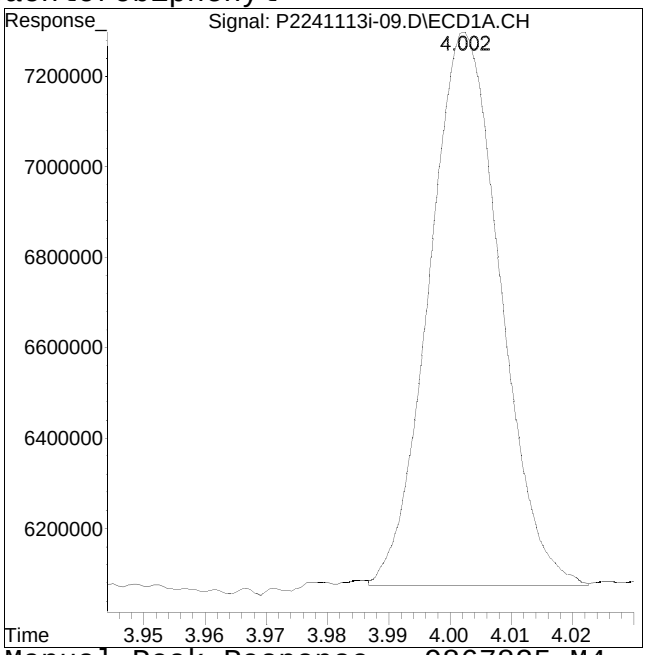
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 9769102



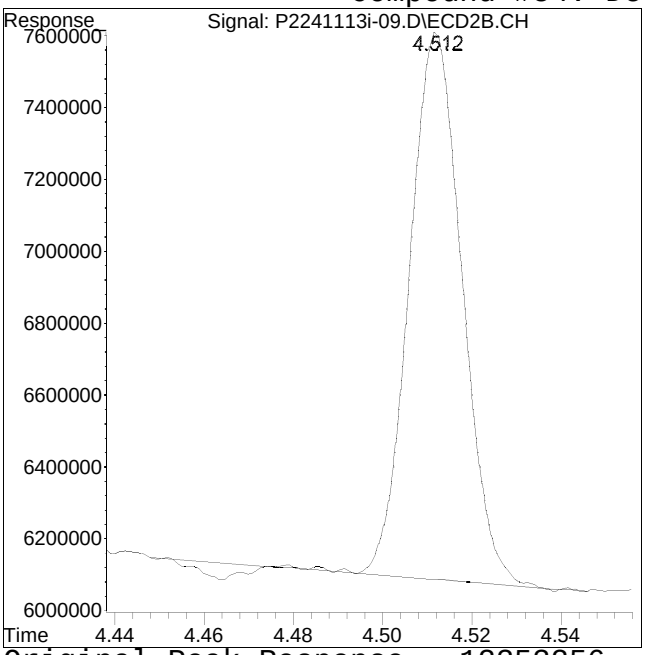
Manual Peak Response = 9867825 M4

M4 = Poor automated baseline construction.

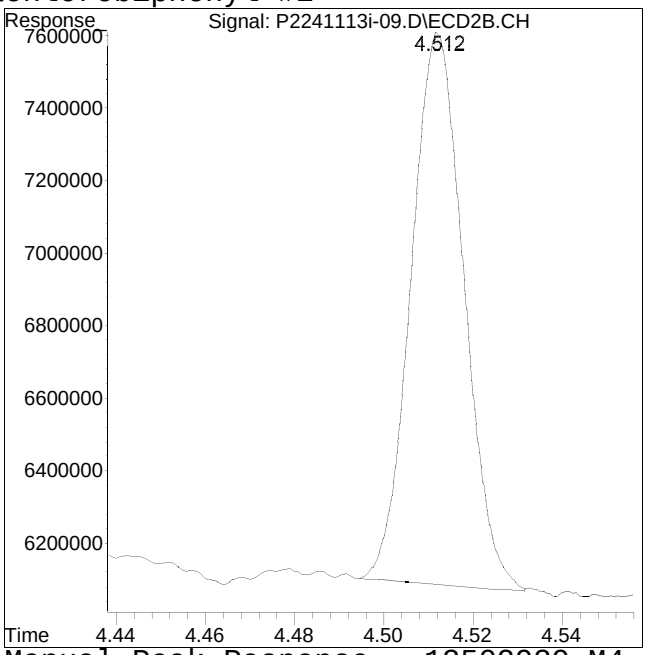
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 12353256



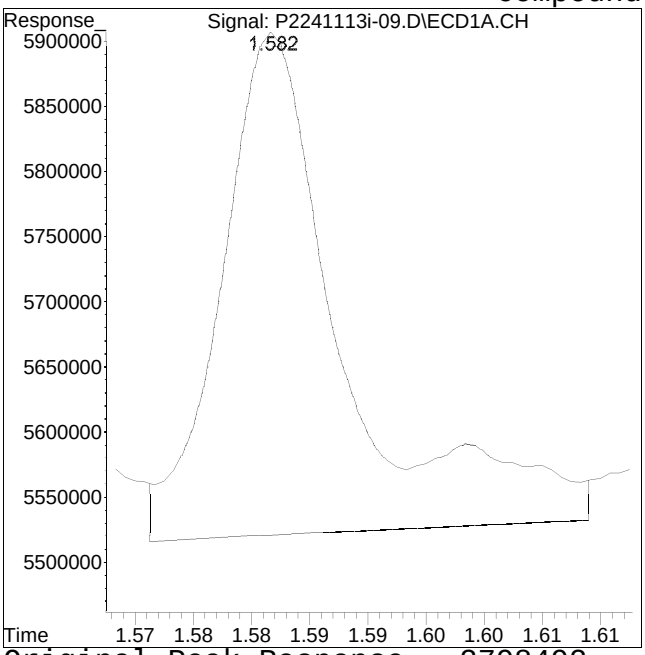
Manual Peak Response = 12502939 M4

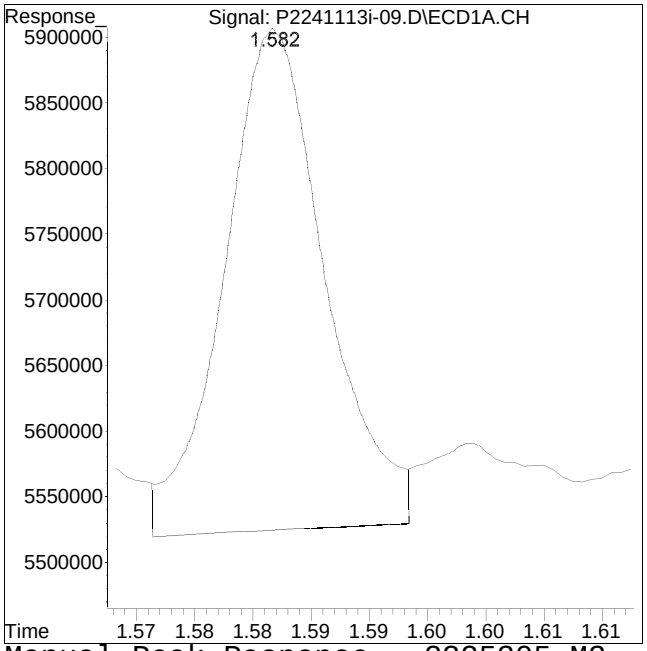
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #4: 1016-1



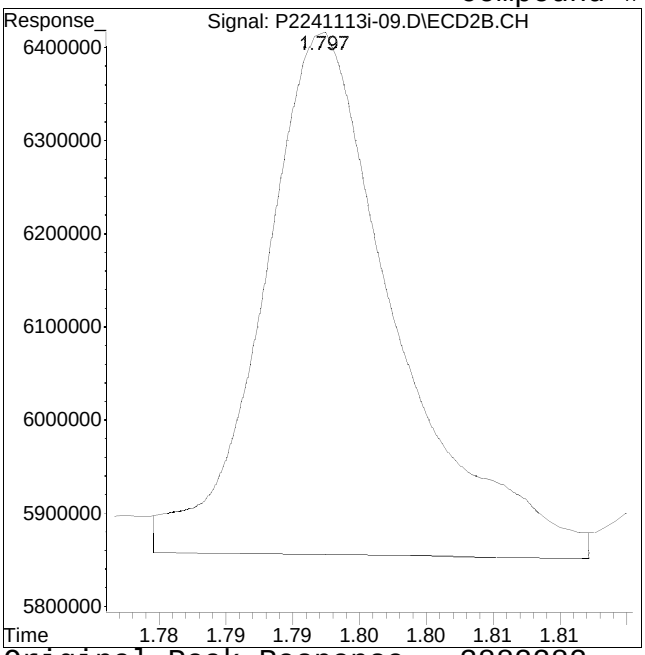


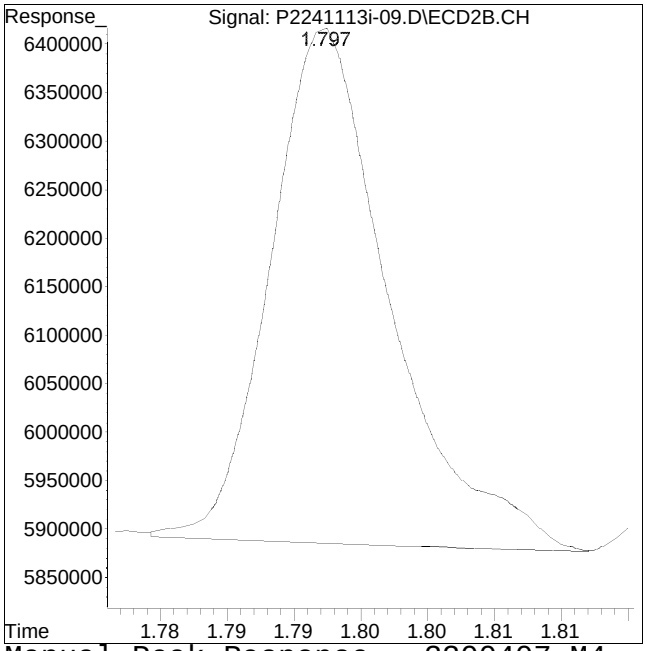
Original Peak Response = 2798492 Manual Peak Response = 2325305 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #55: 1016-1 #2



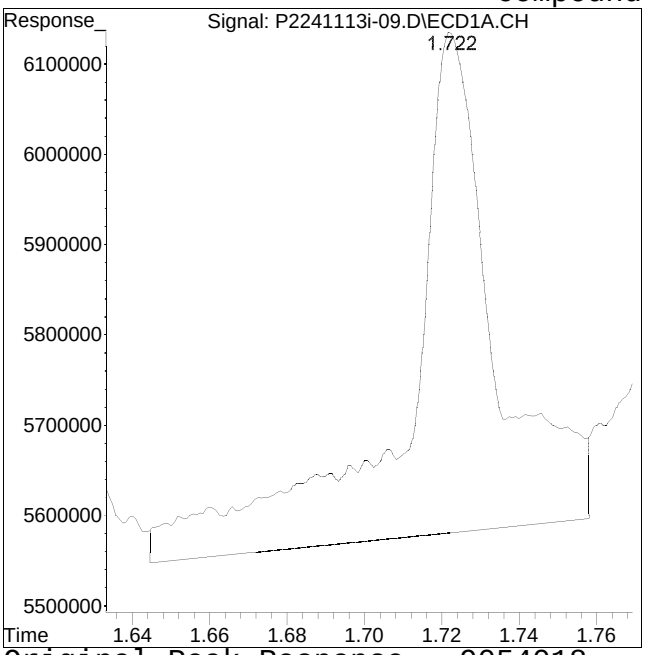


Original Peak Response = 3882282 Manual Peak Response = 3300407 M4
M4 = Poor automated baseline construction.

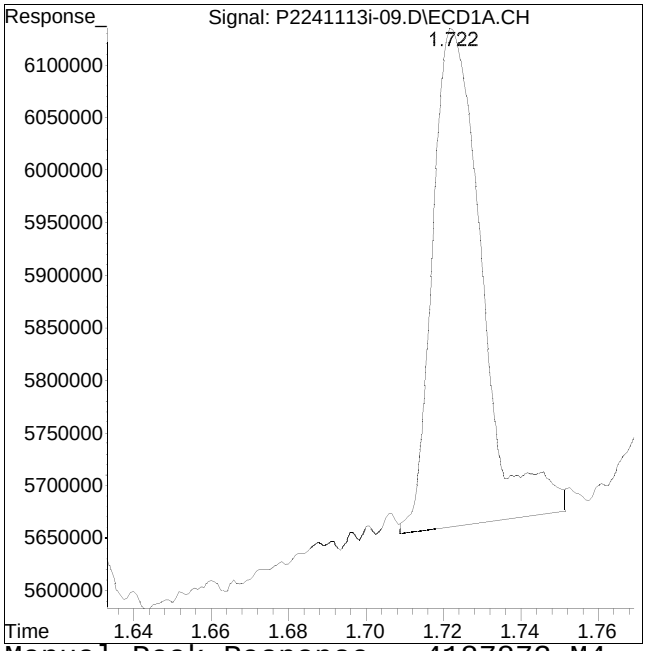
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #5: 1016-2



Original Peak Response = 9054018



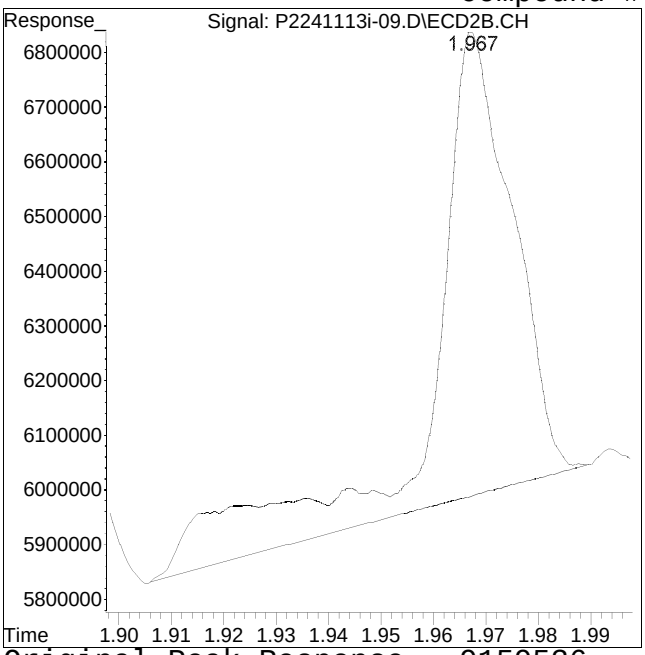
Manual Peak Response = 4187873 M4

M4 = Poor automated baseline construction.

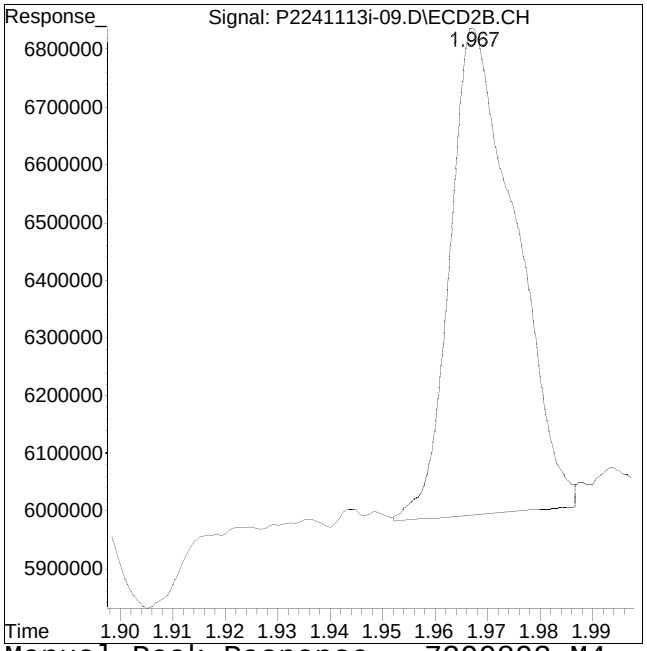
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #56: 1016-2 #2



Original Peak Response = 9159536



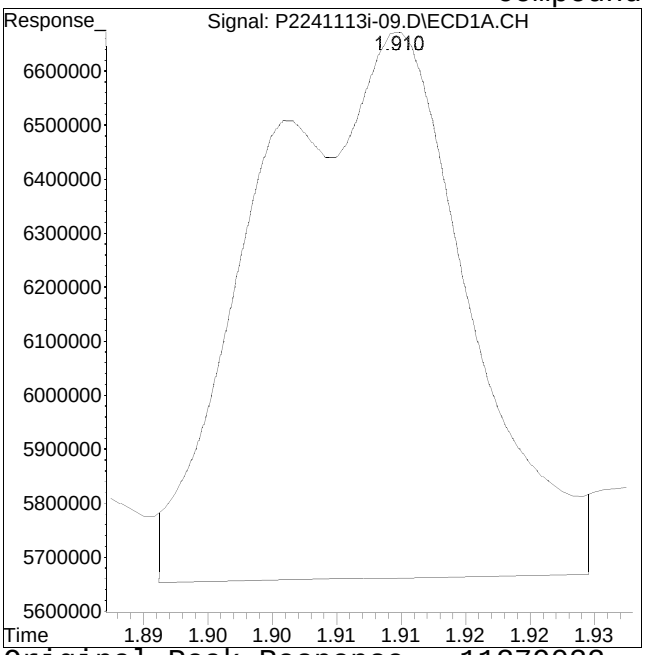
Manual Peak Response = 7299893 M4

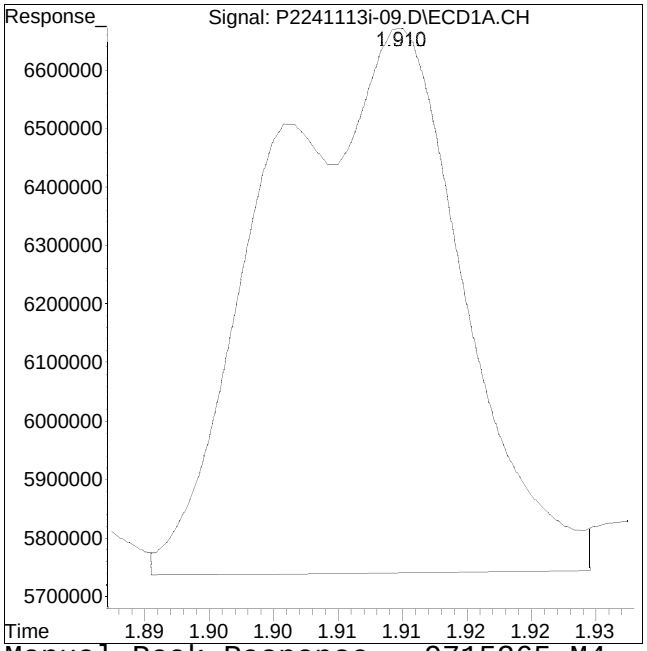
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #6: 1016-3



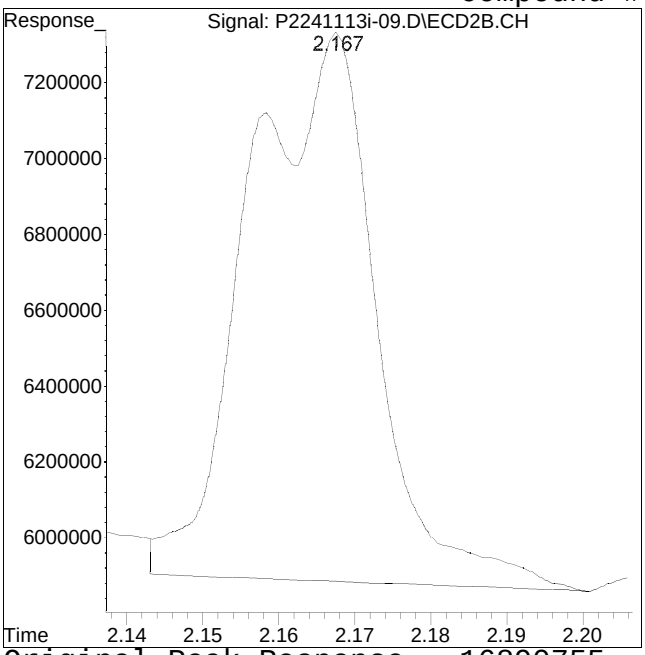


Original Peak Response = 11279032 Manual Peak Response = 9715265 M4
M4 = Poor automated baseline construction.

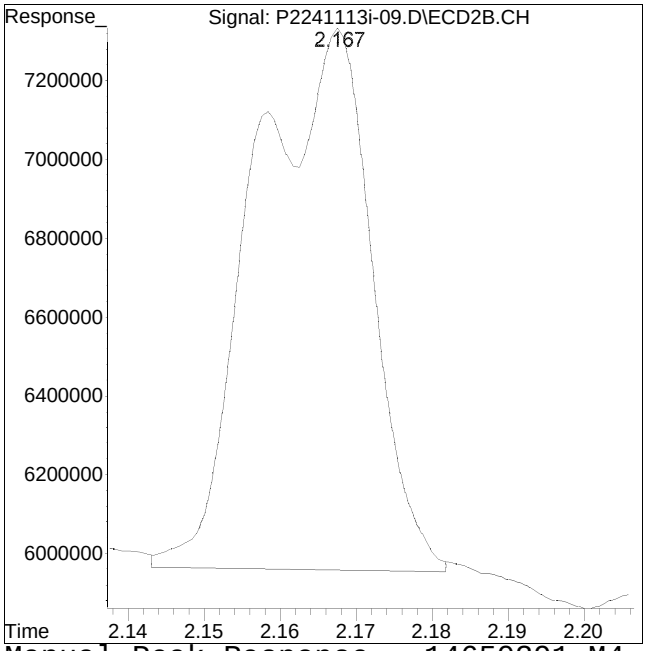
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #57: 1016-3 #2



Original Peak Response = 16890755



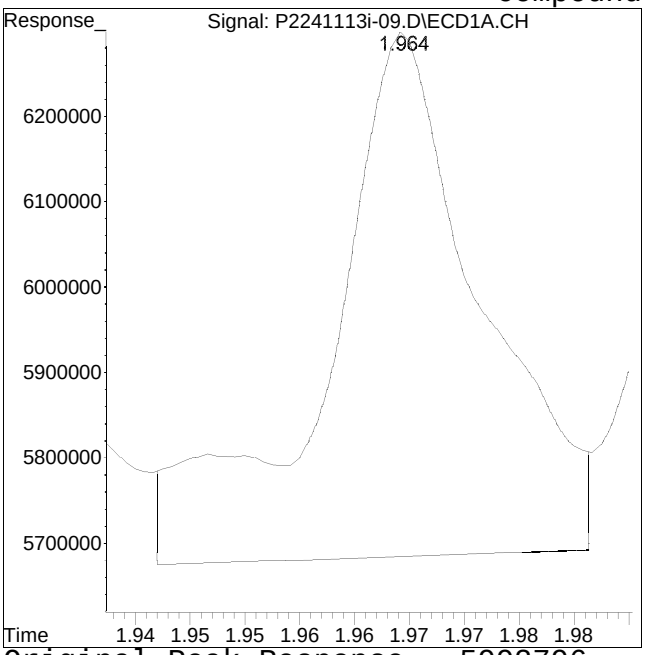
Manual Peak Response = 14650391 M4

M4 = Poor automated baseline construction.

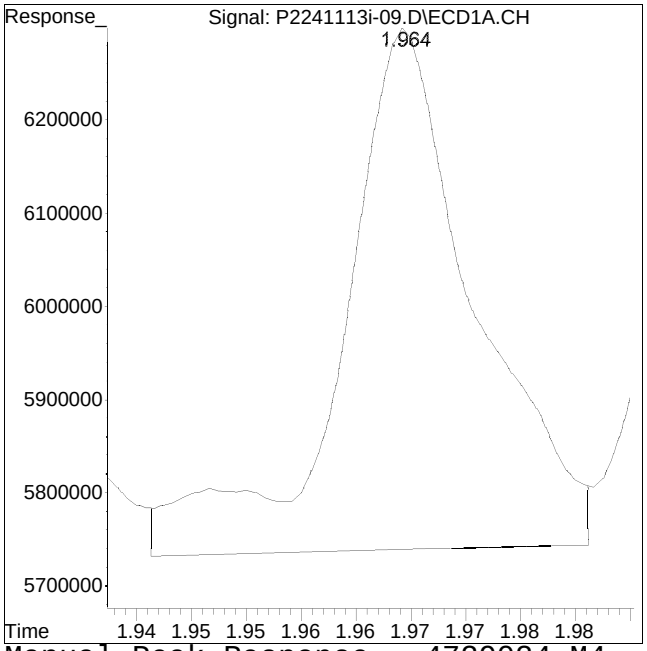
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #7: 1016-4



Original Peak Response = 5992796



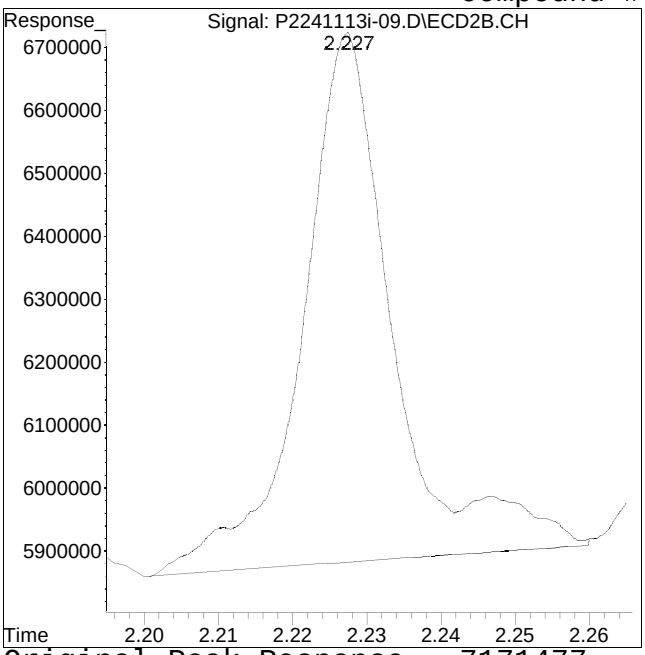
Manual Peak Response = 4729024 M4

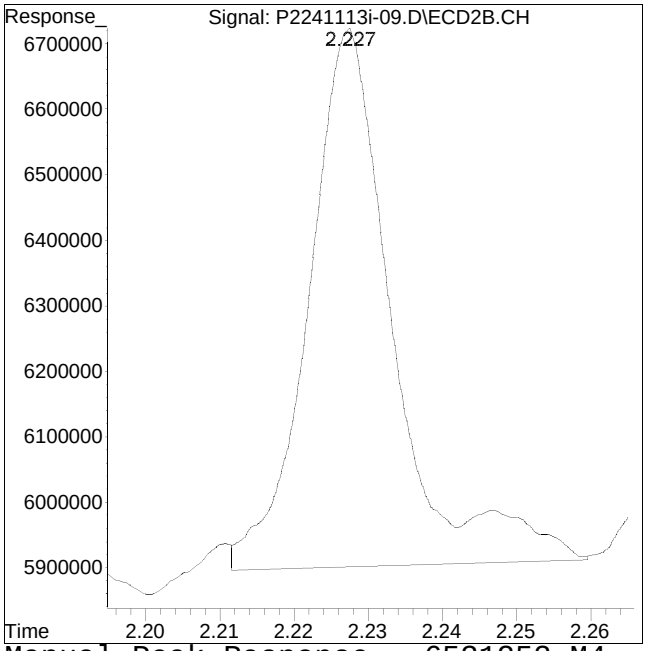
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #58: 1016-4 #2



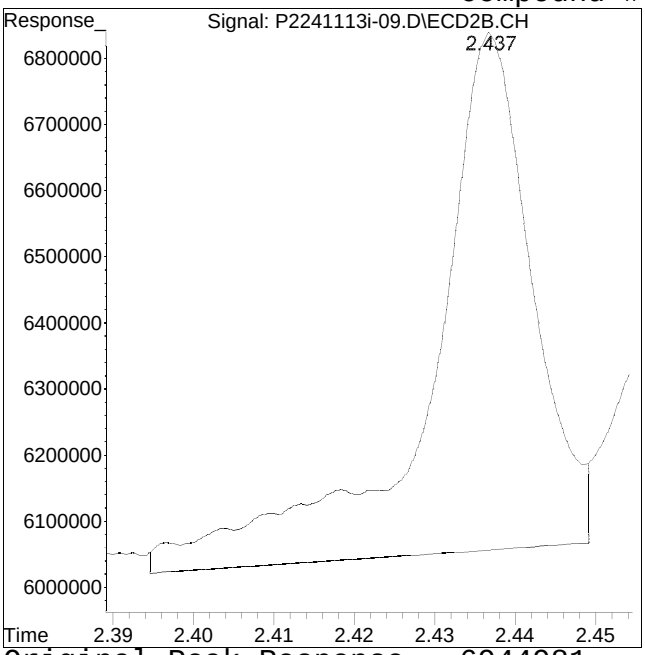


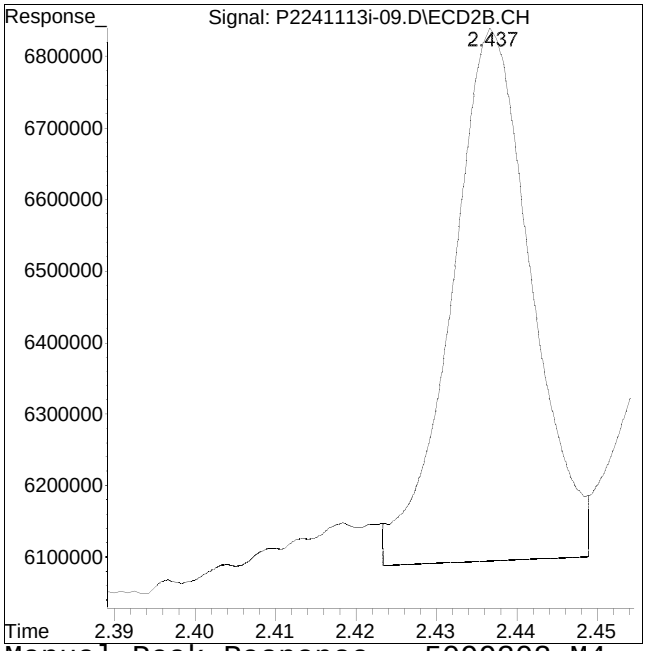
Original Peak Response = 7171477 Manual Peak Response = 6531252 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #59: 1016-5 #2



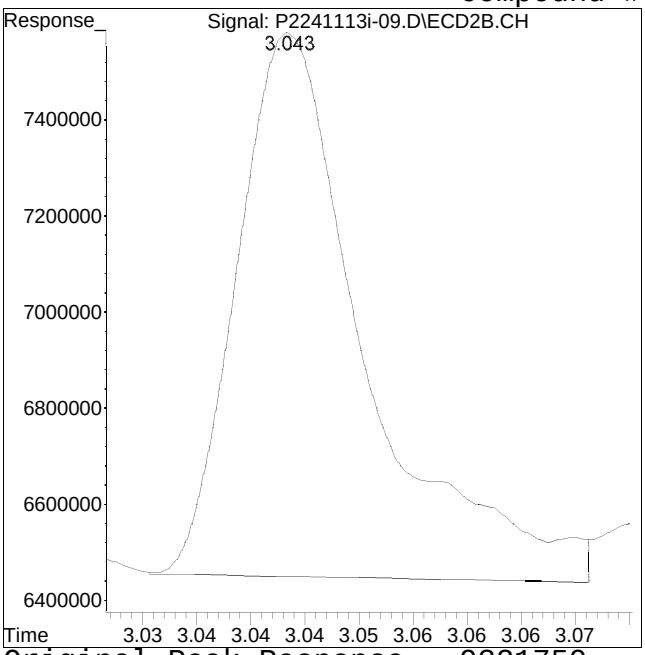


Original Peak Response = 6944981 Manual Peak Response = 5099302 M4
M4 = Poor automated baseline construction.

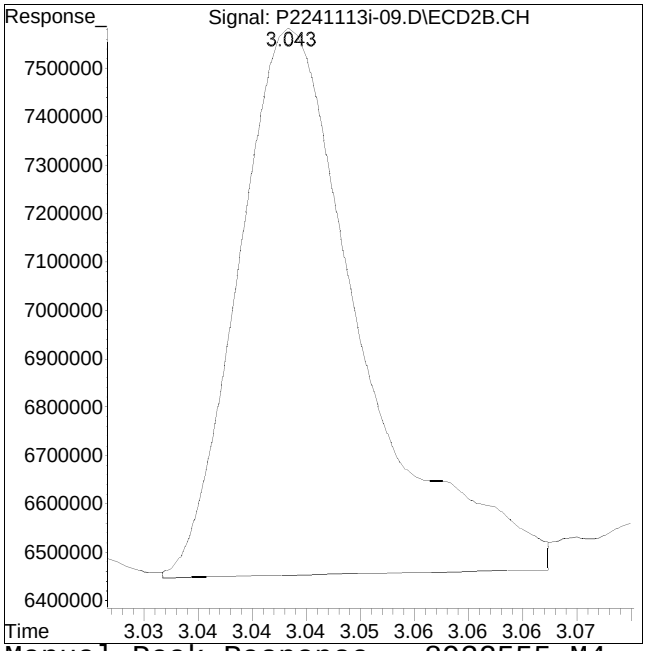
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #60: 1260-1 #2



Original Peak Response = 9321759



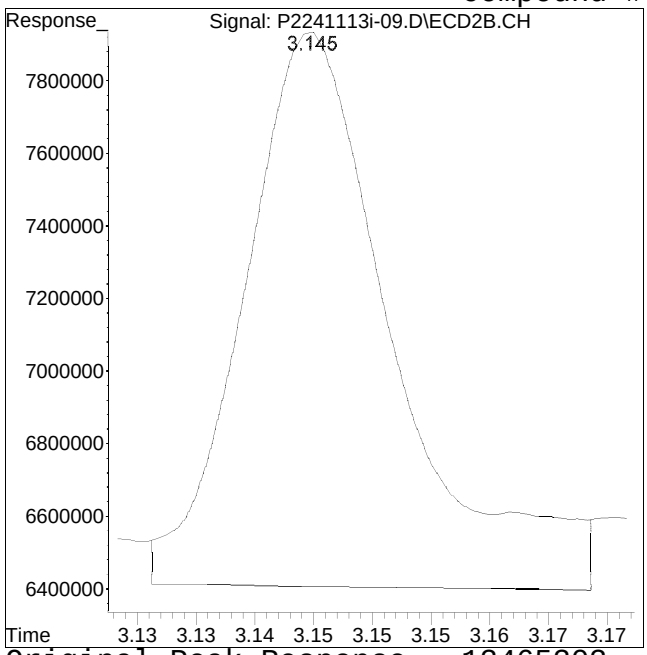
Manual Peak Response = 8932555 M4

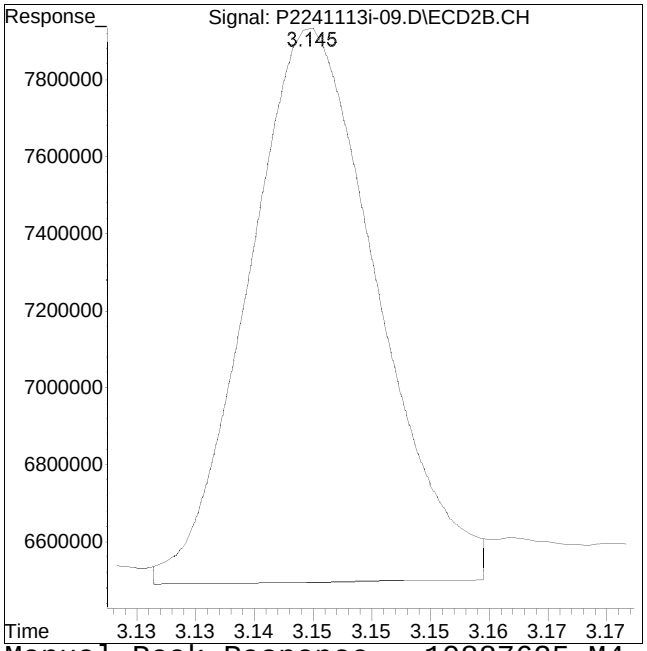
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #61: 1260-2 #2



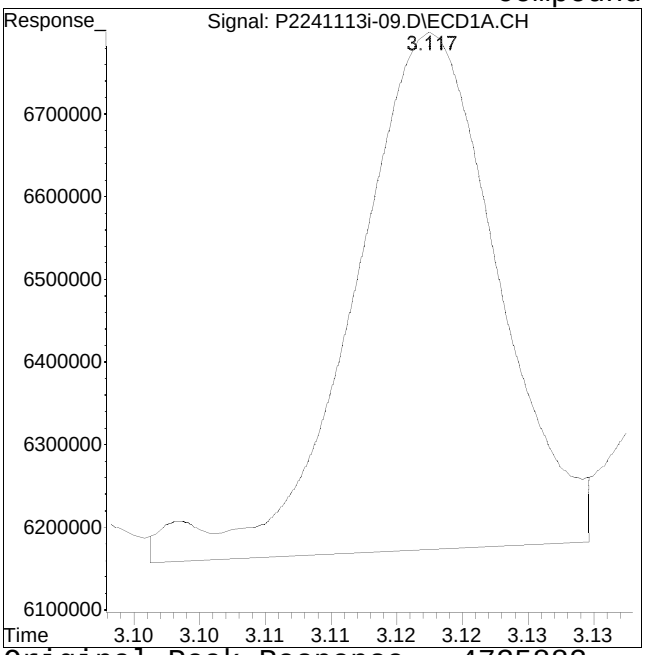


Original Peak Response = 13465303 Manual Peak Response = 10887625 M4
M4 = Poor automated baseline construction.

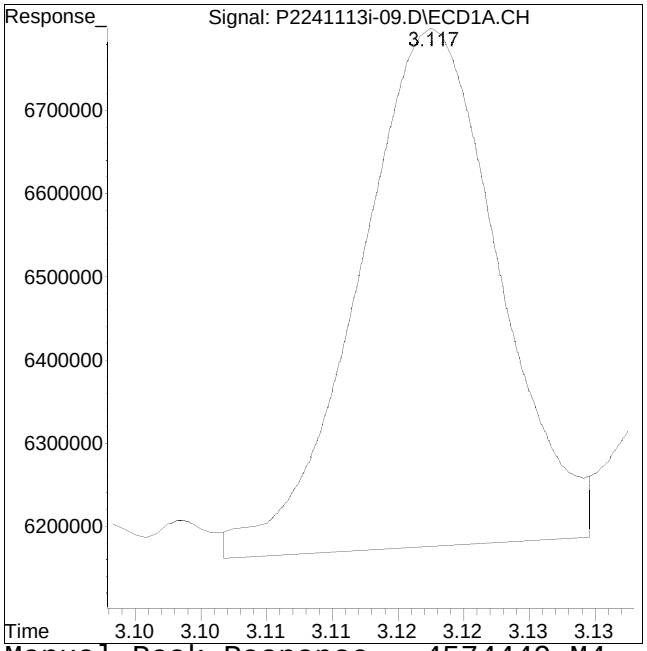
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #11: 1260-3



Original Peak Response = 4735883



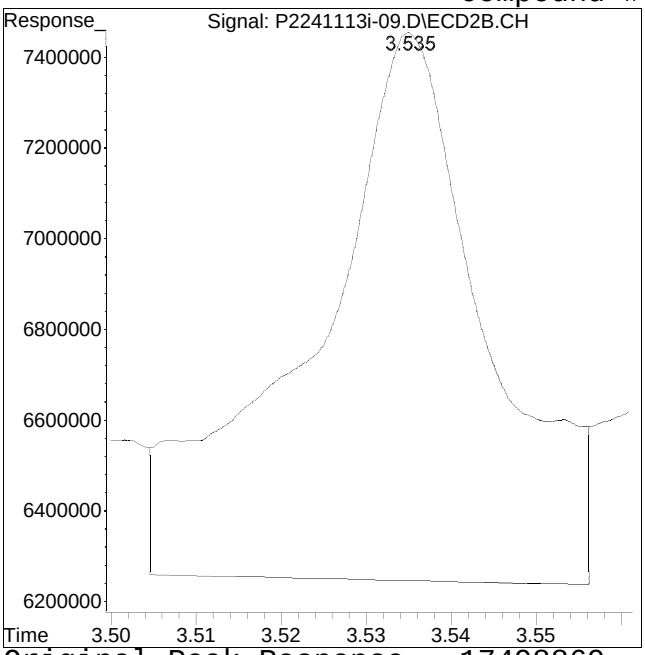
Manual Peak Response = 4574449 M4

M4 = Poor automated baseline construction.

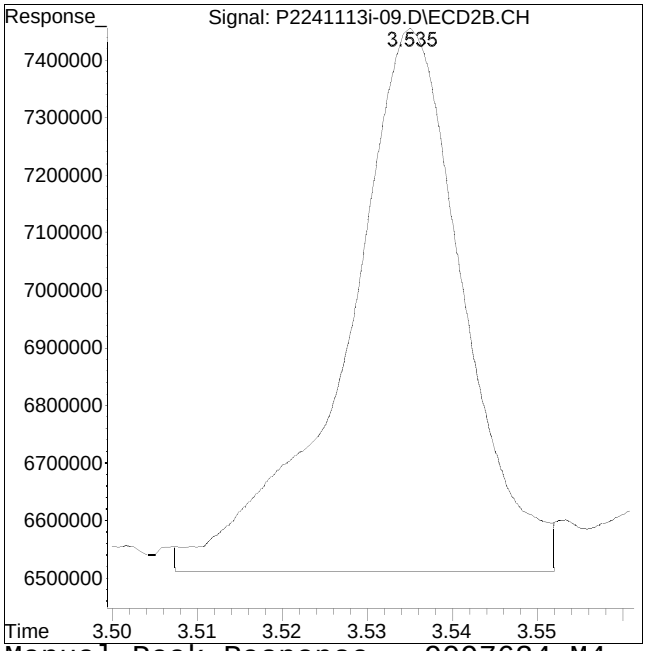
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #62: 1260-3 #2



Original Peak Response = 17498869



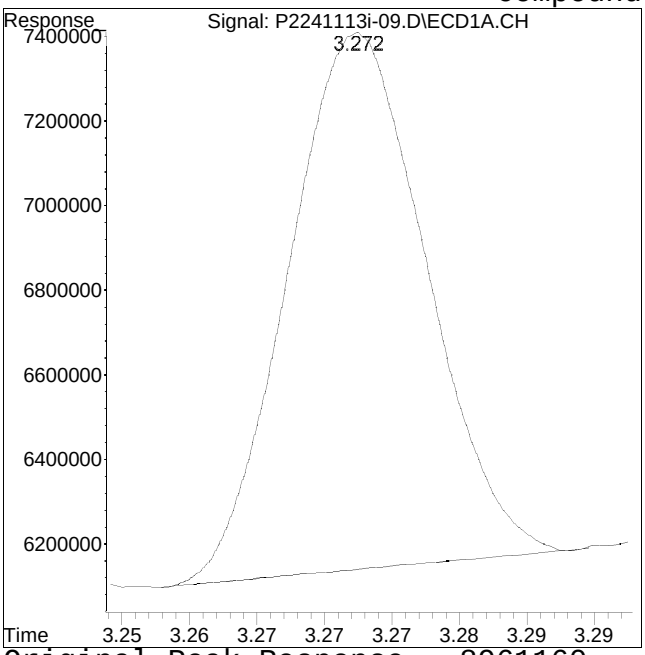
Manual Peak Response = 9097634 M4

M4 = Poor automated baseline construction.

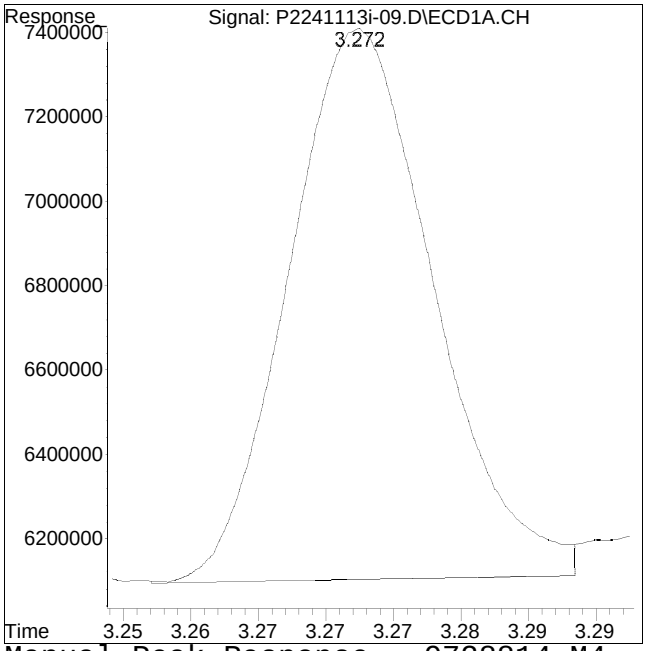
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #12: 1260-4



Original Peak Response = 8961160



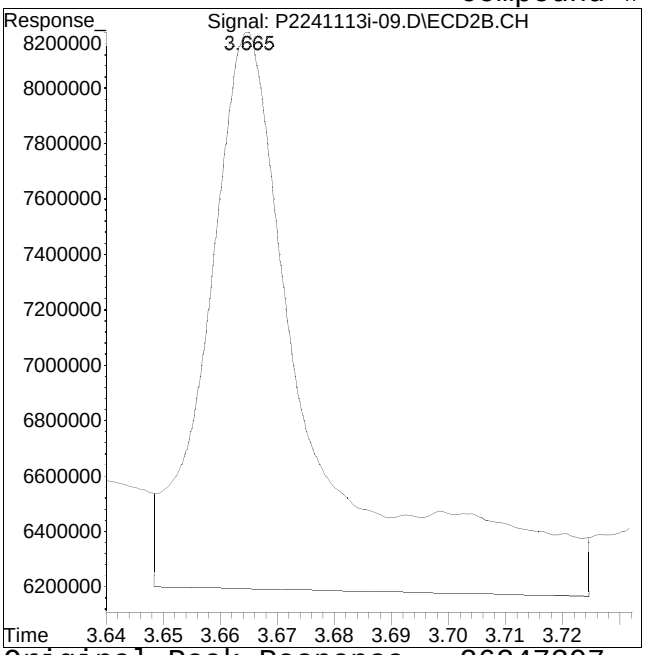
Manual Peak Response = 9728814 M4

M4 = Poor automated baseline construction.

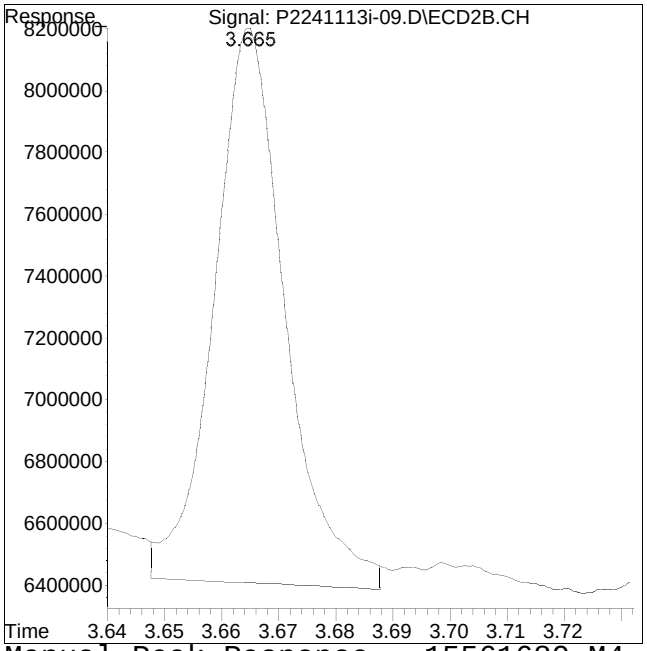
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #63: 1260-4 #2



Original Peak Response = 26247397



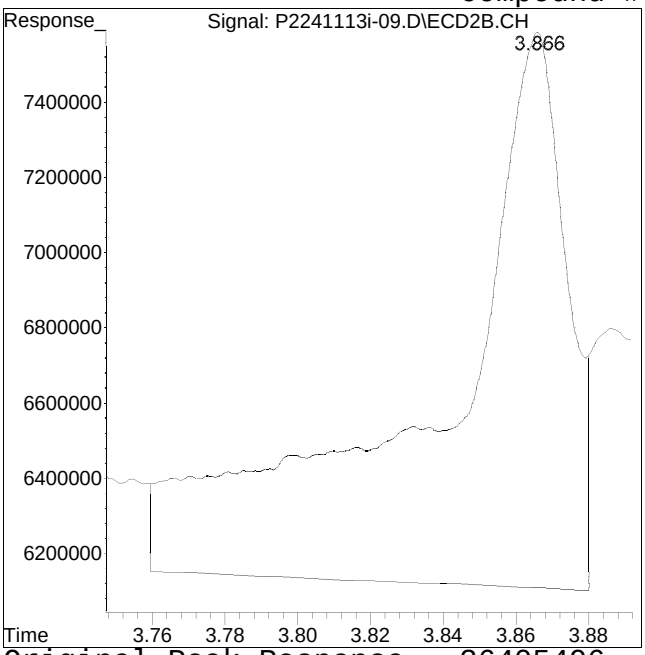
Manual Peak Response = 15561680 M4

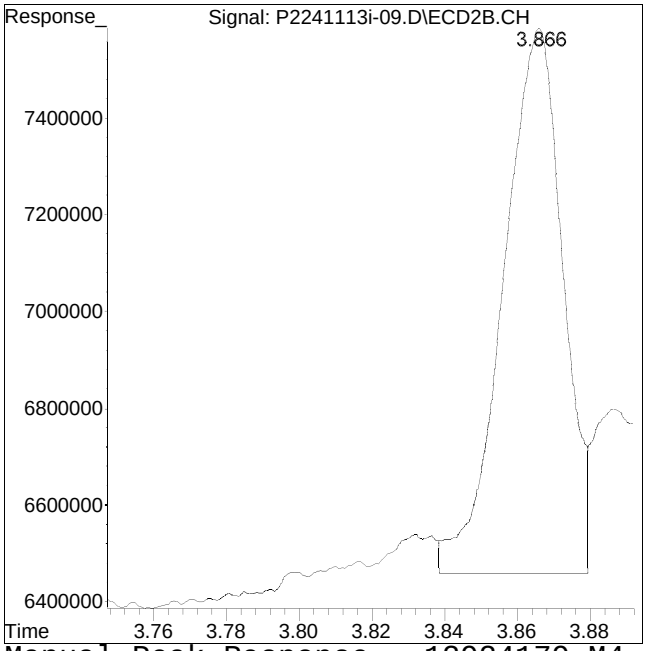
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-09.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:18 Instrument : Pest 2
Sample : il21660,42e,,pp 11854 L10RQuant Date : 11/14/2024 12:16 pm

Compound #64: 1260-5 #2





Original Peak Response = 36405496 Manual Peak Response = 12924179 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:27
Operator : pest2:rmp
Sample : il31660,42e,,pp 11854 L20RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:17 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:15 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	1.161	1.228	229.4E6	374.6E6	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	1.443	1.598	21926763	33404866	1.701	1.561
	Spiked Amount 20.000	Range 30 - 150		Recovery =		8.51%#	7.80%#
3) s	Decachlorobi	4.003	4.511	19456279	25837934	1.780M4	1.906M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		8.90%#	9.53%#
	Target Compounds						
4) l1	1016-1	1.581	1.798	4173915	6711442	14.849	14.611
5) l1	1016-2	1.721	1.967	9343334	14272610	12.585M4	12.877M4
6) l1	1016-3	1.910	2.168	18982278	28659832	13.757	14.682M4
7) l1	1016-4	1.964	2.228	8527790	12483889	13.966M1	13.931
8) l1	1016-5	2.134	2.438	8499497	11393098	13.640	10.633
Sum	1016-1			49526814	73520872	68.797	66.735
Average	1016-1					13.759	13.347
9) l2	1260-1	2.674	3.043	12202157	14990620	16.949	11.545M4
10) l2	1260-2	2.804	3.145	19240865	21826540	14.569	12.981
11) l2	1260-3	3.118	3.536	11719192	18500804	22.704	14.557
12) l2	1260-4	3.273	3.665	19568940	30711848	18.792M4	14.338
13) l2	1260-5	3.421	3.866	15252651	26375726	17.639M4	9.970

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:27
Operator : pest2:rmp
Sample : il31660,42e,,pp 11854 L20RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:17 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:15 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			77983806	112.4E6	NoCal	NoCal D
Average	1260-1					18.131	12.679
15) l3	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-1			0	0	N.D.	N.D.
Average	1221-1					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. 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

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:27
Operator : pest2:rmp
Sample : il31660,42e,,pp 11854 L20RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:17 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:15 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	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.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:27
Operator : pest2:rmp
Sample : il31660,42e,,pp 11854 L20RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:17 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:15 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

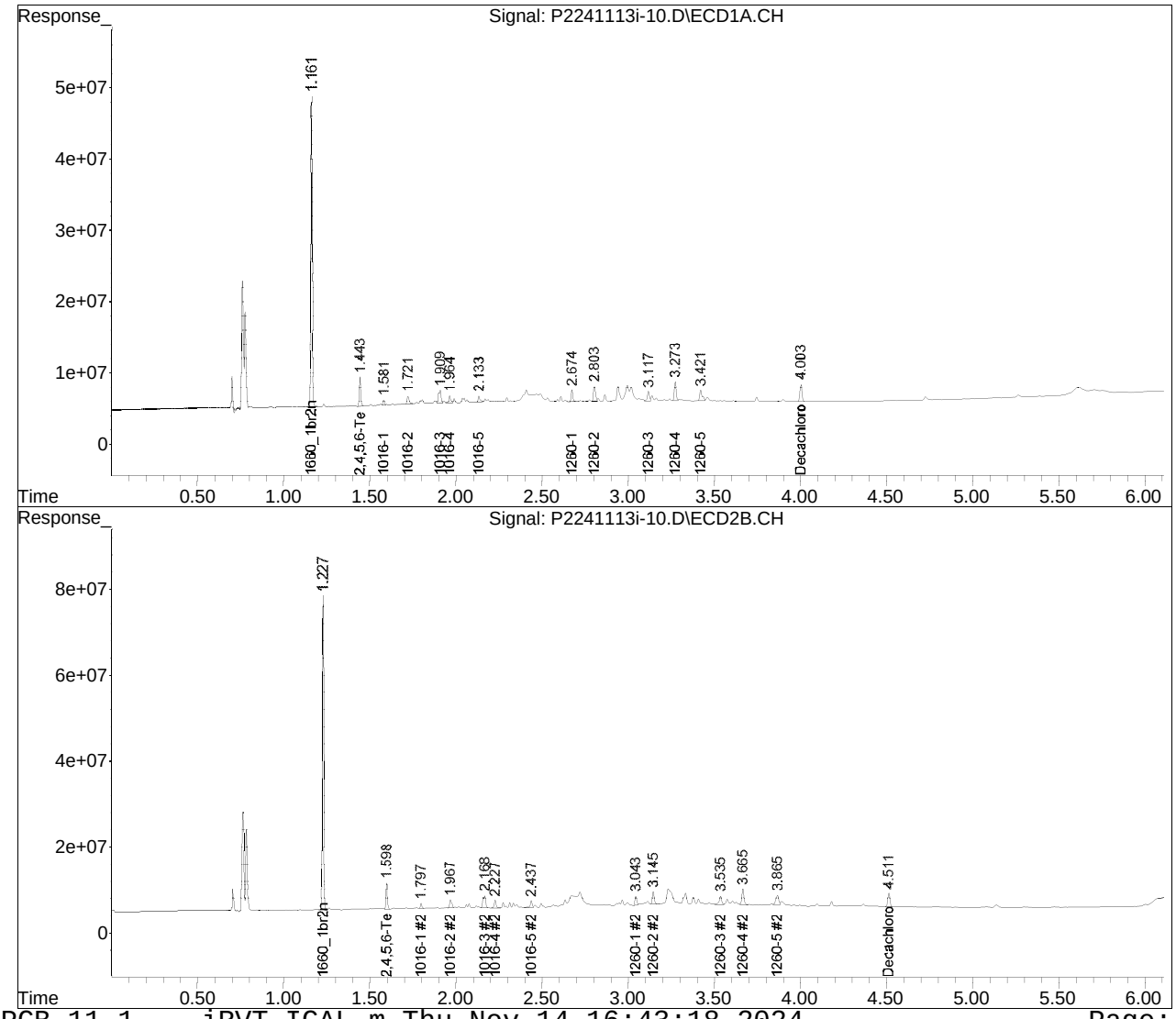
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:27
Operator : pest2:rmp
Sample : il31660,42e,,pp 11854 L20RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:17 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

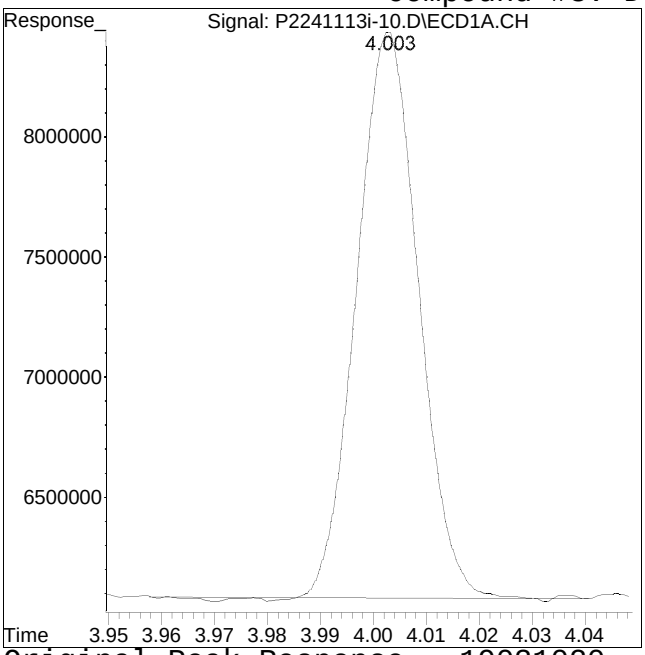
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



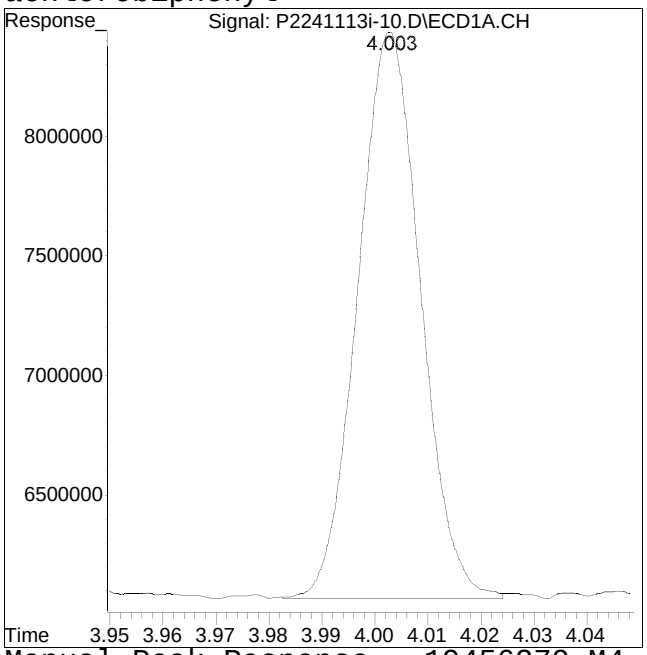
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-10.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:27 Instrument : Pest 2
Sample : il31660,42e,,pp 11854 L20RQuant Date : 11/14/2024 12:16 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 19031020



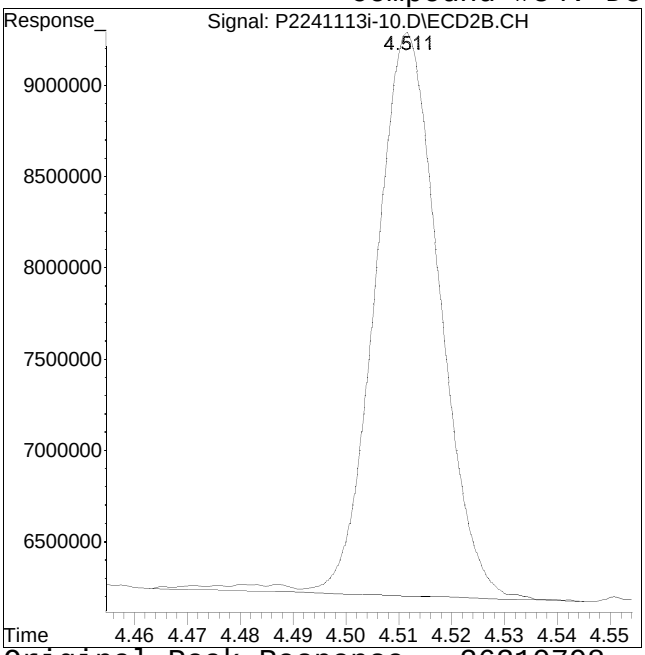
Manual Peak Response = 19456279 M4

M4 = Poor automated baseline construction.

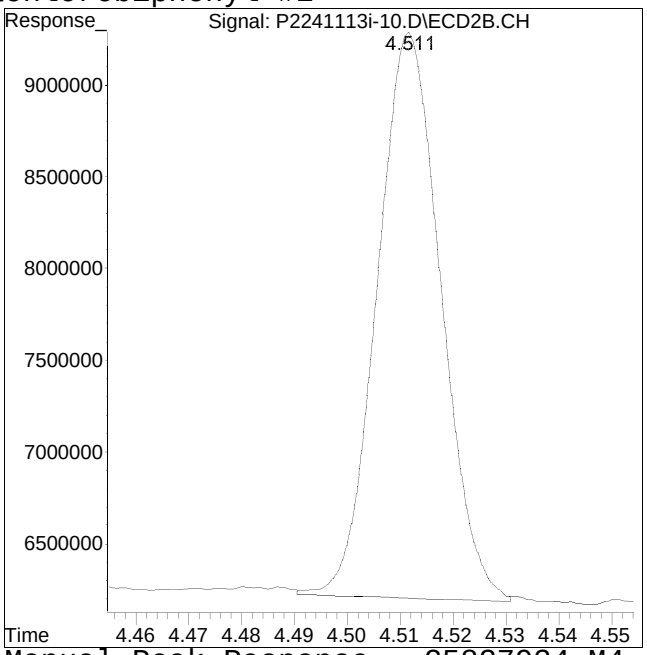
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-10.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:27 Instrument : Pest 2
Sample : il31660,42e,,pp 11854 L20RQuant Date : 11/14/2024 12:16 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 26310798



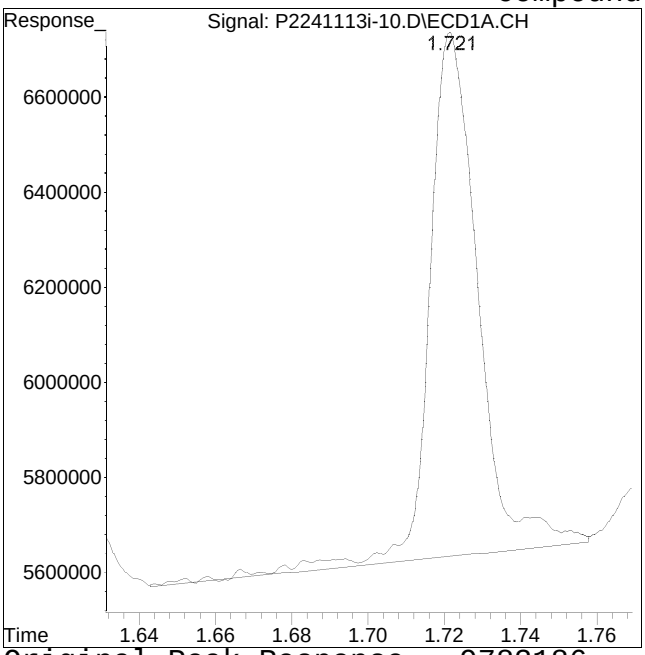
Manual Peak Response = 25837934 M4

M4 = Poor automated baseline construction.

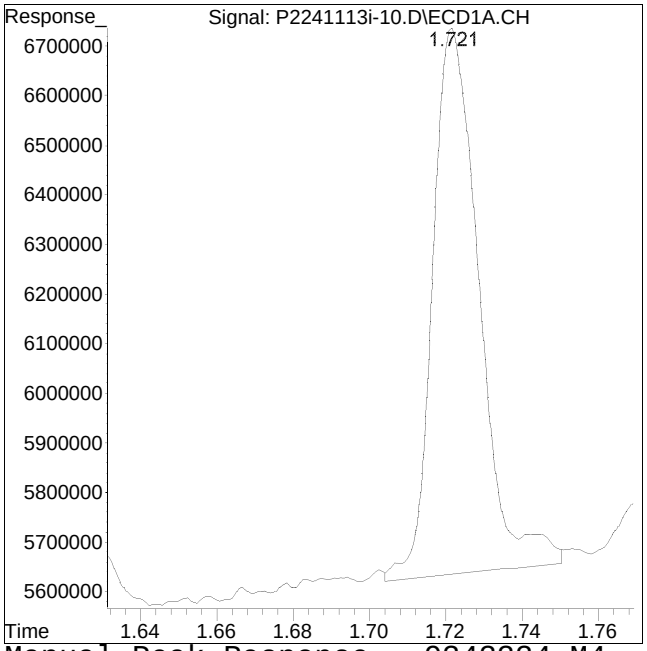
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-10.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:27 Instrument : Pest 2
Sample : il31660,42e,,pp 11854 L20RQuant Date : 11/14/2024 12:16 pm

Compound #5: 1016-2



Original Peak Response = 9783186



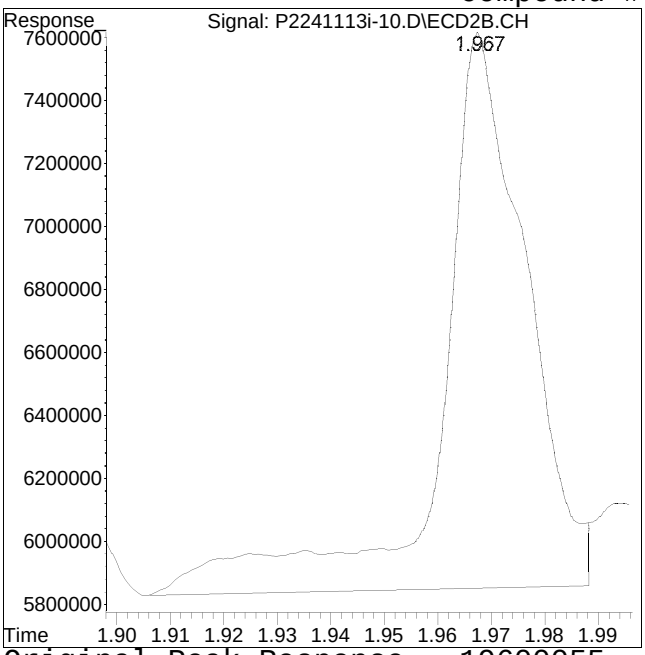
Manual Peak Response = 9343334 M4

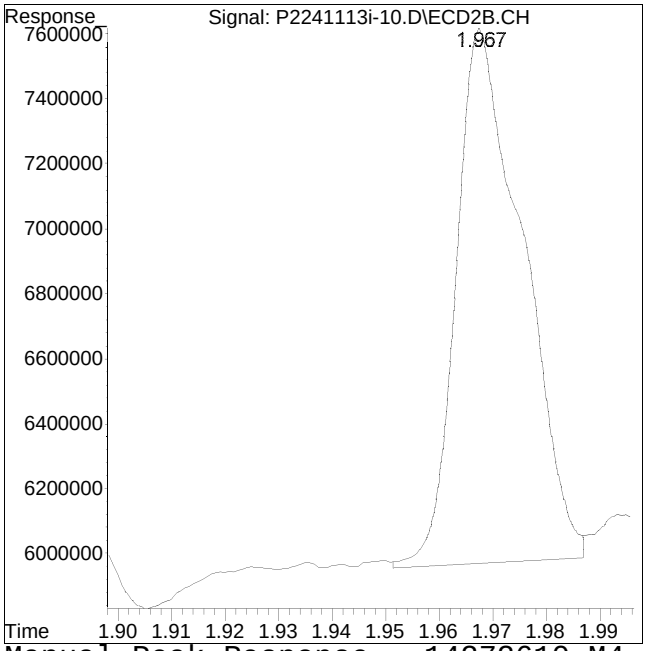
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-10.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:27 Instrument : Pest 2
Sample : il31660,42e,,pp 11854 L20RQuant Date : 11/14/2024 12:16 pm

Compound #56: 1016-2 #2



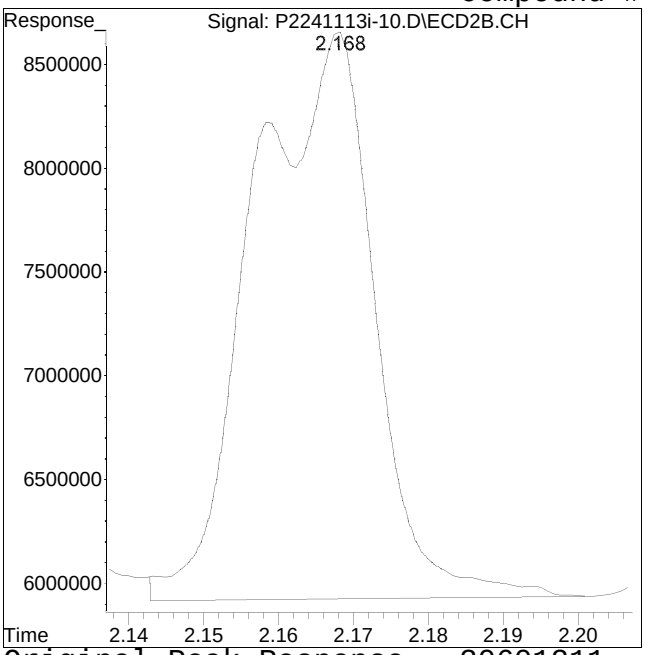


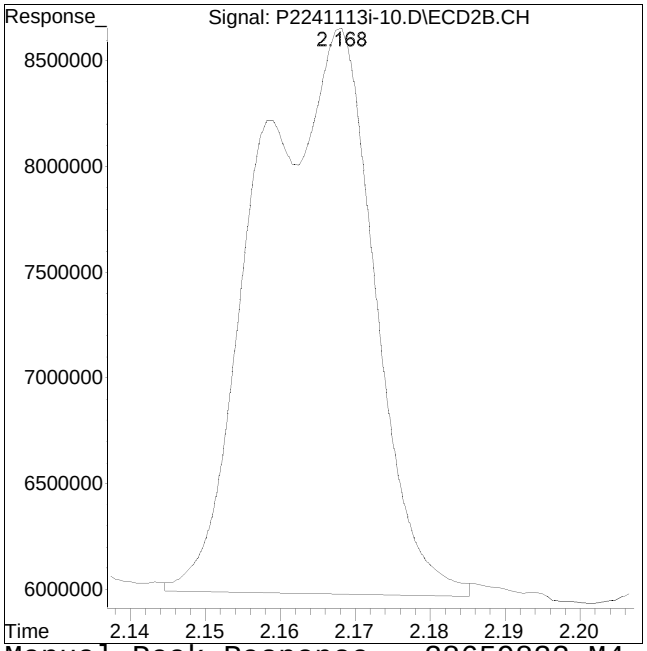
Original Peak Response = 19600055 Manual Peak Response = 14272610 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-10.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:27 Instrument : Pest 2
Sample : il31660,42e,,pp 11854 L20RQuant Date : 11/14/2024 12:16 pm

Compound #57: 1016-3 #2



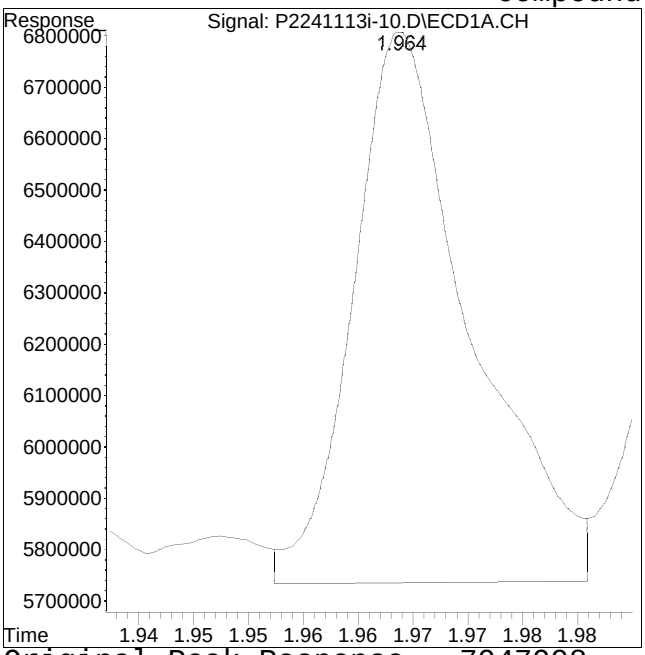


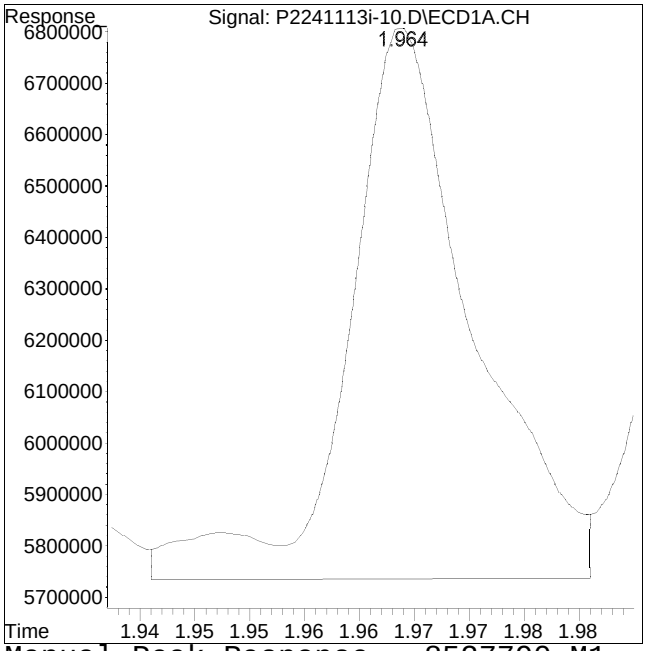
Original Peak Response = 30601211 Manual Peak Response = 28659832 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-10.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:27 Instrument : Pest 2
Sample : il31660,42e,,pp 11854 L20RQuant Date : 11/14/2024 12:16 pm

Compound #7: 1016-4



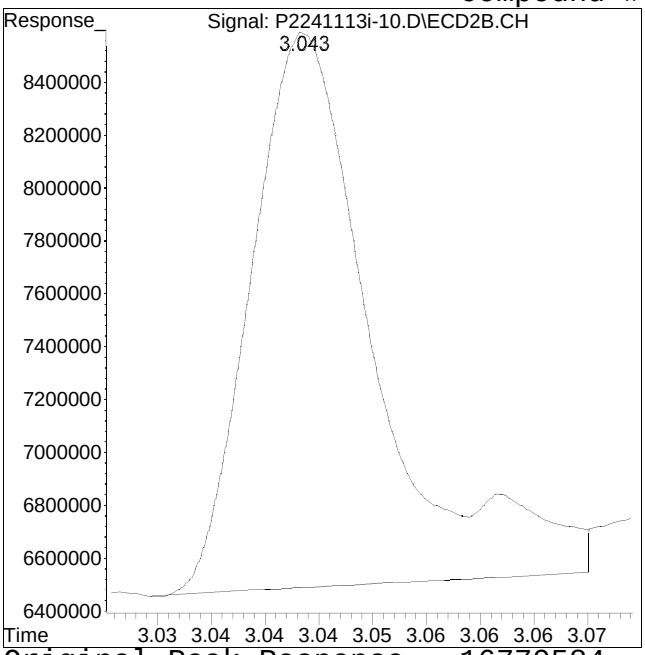


Original Peak Response = 7947998 Manual Peak Response = 8527790 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

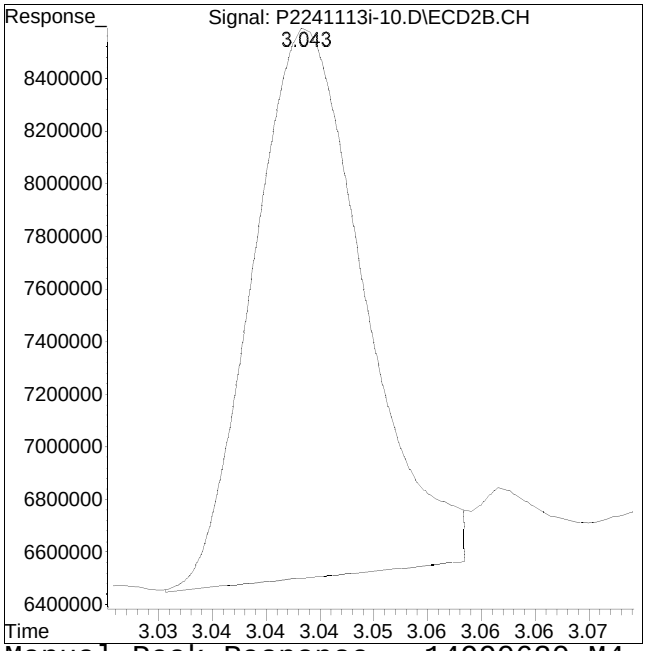
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-10.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:27 Instrument : Pest 2
Sample : il31660,42e,,pp 11854 L20RQuant Date : 11/14/2024 12:16 pm

Compound #60: 1260-1 #2



Original Peak Response = 16770584



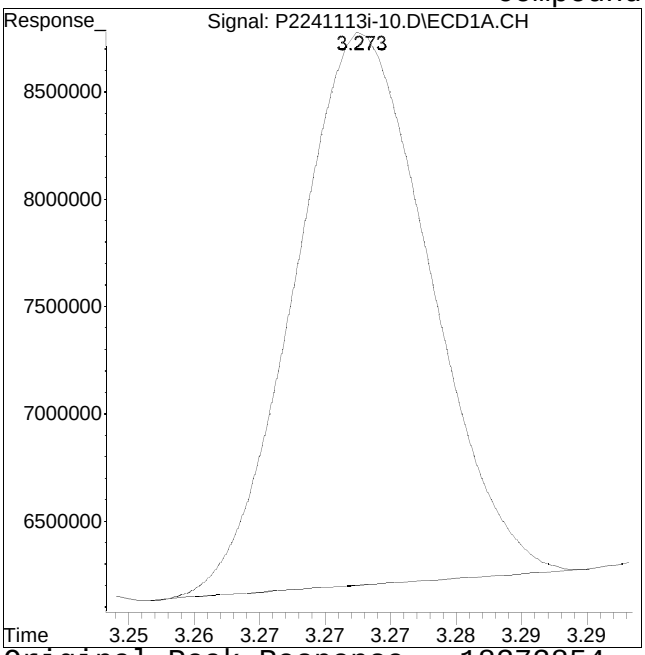
Manual Peak Response = 14990620 M4

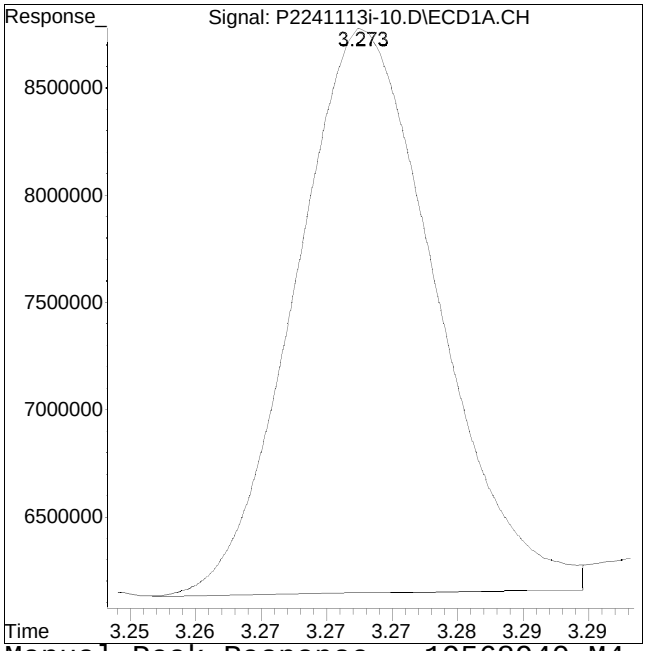
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-10.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:27 Instrument : Pest 2
Sample : il31660,42e,,pp 11854 L20RQuant Date : 11/14/2024 12:16 pm

Compound #12: 1260-4



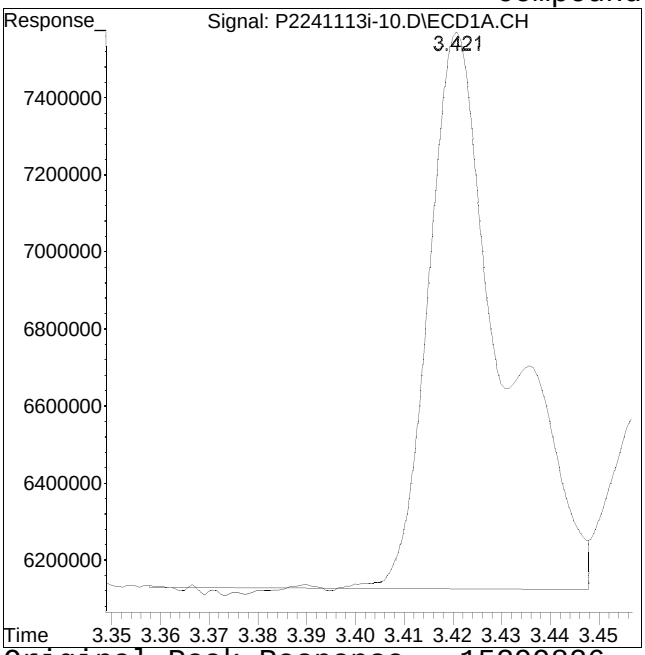


Original Peak Response = 18373854 Manual Peak Response = 19568940 M4
M4 = Poor automated baseline construction.

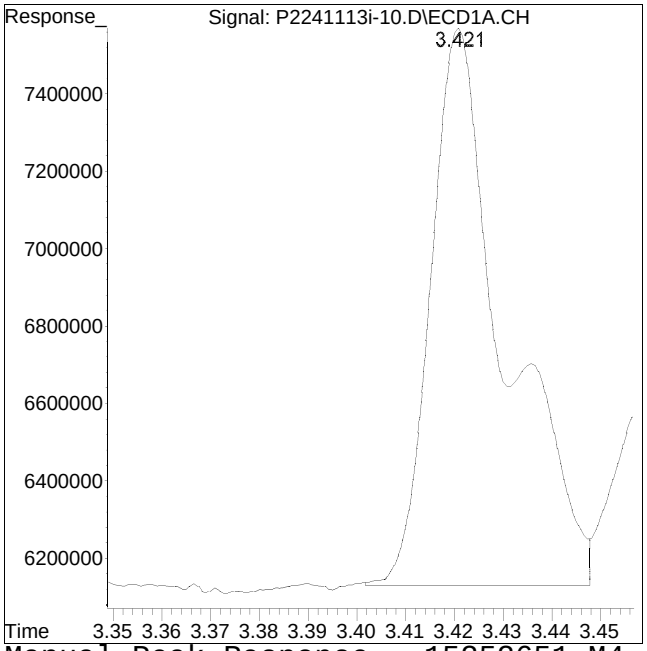
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-10.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:27 Instrument : Pest 2
Sample : il31660,42e,,pp 11854 L20RQuant Date : 11/14/2024 12:16 pm

Compound #13: 1260-5



Original Peak Response = 15299826



Manual Peak Response = 15252651 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:37
Operator : pest2:rmp
Sample : il41660,42e,,pp 11854 L30RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:30 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:28 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	1.162	1.228	236.7E6	373.4E6	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	1.444	1.599	31955964	48035654	2.496	2.383
	Spiked Amount 20.000	Range 30 - 150		Recovery =		12.48%#	11.92%#
3) s	Decachlorobi	4.003	4.512	28614512	34928959	2.621	2.605M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		13.11%#	13.03%#
	Target Compounds						
4) l1	1016-1	1.582	1.798	5291557	8985888	19.498	21.046
5) l1	1016-2	1.721	1.967	14647838	22050074	20.902M4	20.555M4
6) l1	1016-3	1.909	2.168	27844672	42558579	21.211	23.125
7) l1	1016-4	1.964	2.227	12135468	17138107	21.101	20.764M1
8) l1	1016-5	2.134	2.437	12896314	15472615	21.788	16.411
Sum	1016-1			72815849	106.2E6	104.500	101.901
Average	1016-1					20.900	20.380
9) l2	1260-1	2.674	3.043	17629778	25707168	24.671	21.795M4
10) l2	1260-2	2.804	3.145	28188054	30157394	22.190	19.727M4
11) l2	1260-3	3.118	3.535	16392692	22591939	29.770	19.138M4
12) l2	1260-4	3.272	3.664	30365177	40308937	29.115M4	20.320M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:37
Operator : pest2:rmp
Sample : il41660,42e,,pp 11854 L30RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:30 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:28 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	3.420	3.866	23244362	30459581	26.823M1	13.209M4
Sum	1260-1			115.8E6	149.2E6	NoCal	NoCal D
Average	1260-1					26.514	18.838
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					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. 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\241113i\
Data File : P2241113i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:37
Operator : pest2:rmp
Sample : il41660,42e,,pp 11854 L30RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:30 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:28 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\241113i\
Data File : P2241113i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:37
Operator : pest2:rmp
Sample : il41660,42e,,pp 11854 L30RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:30 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:28 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

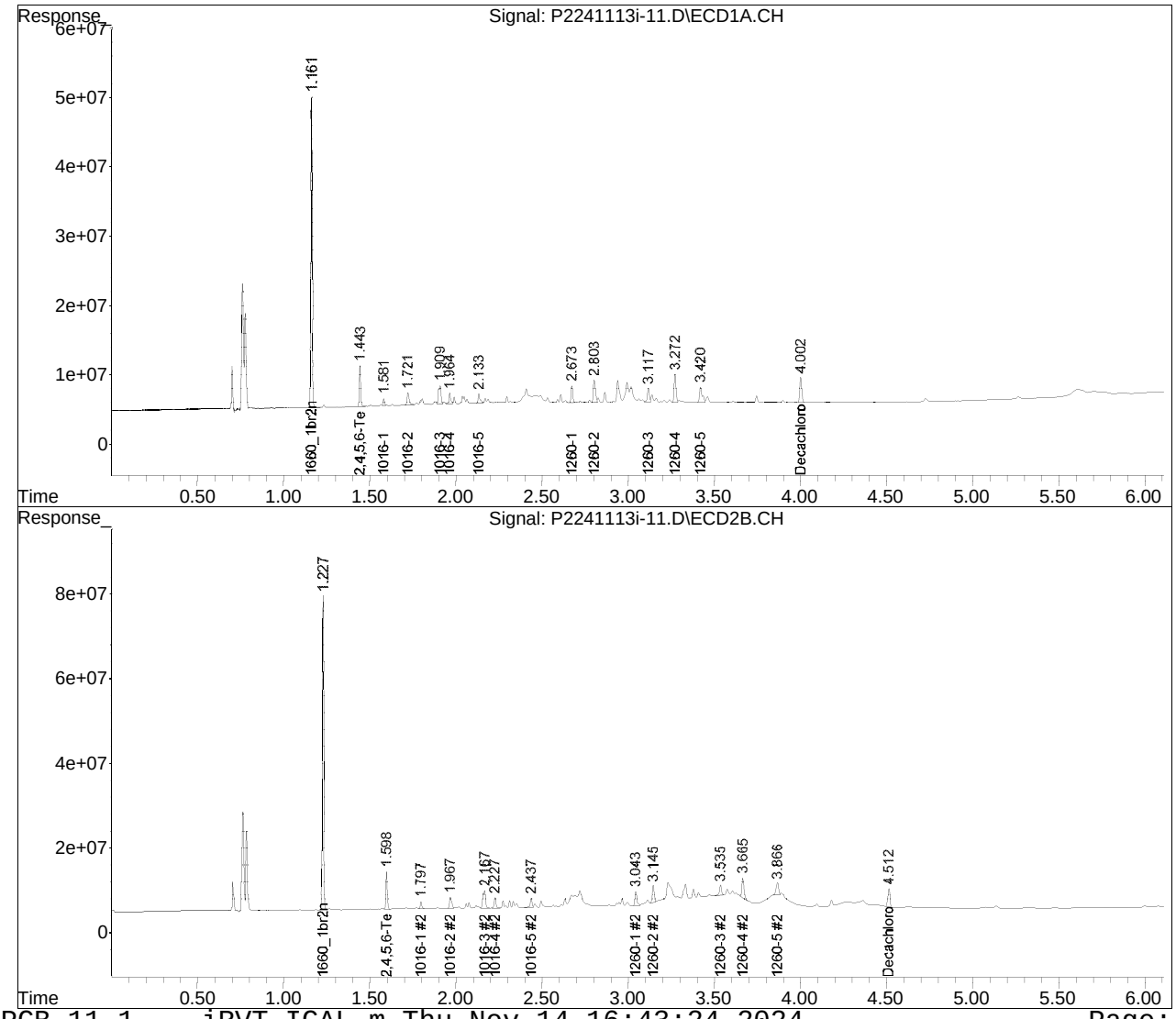
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:37
Operator : pest2:rmp
Sample : il41660,42e,,pp 11854 L30RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:30 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:28 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

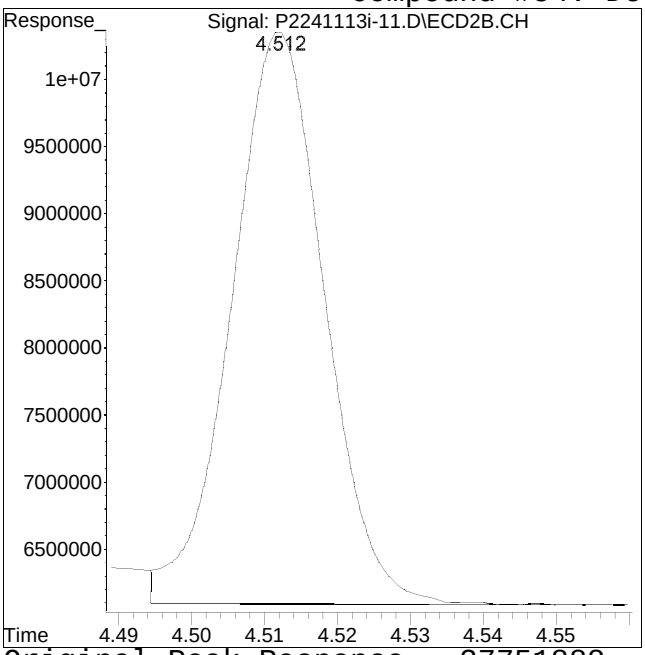
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



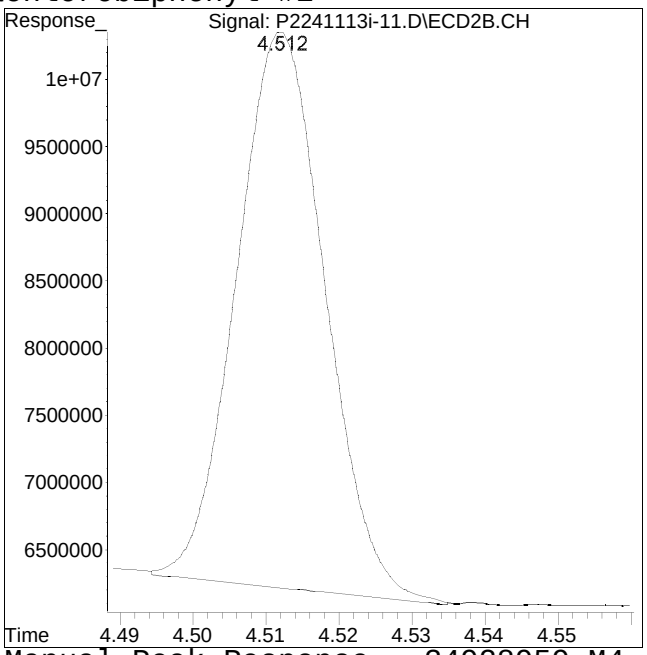
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 37751888



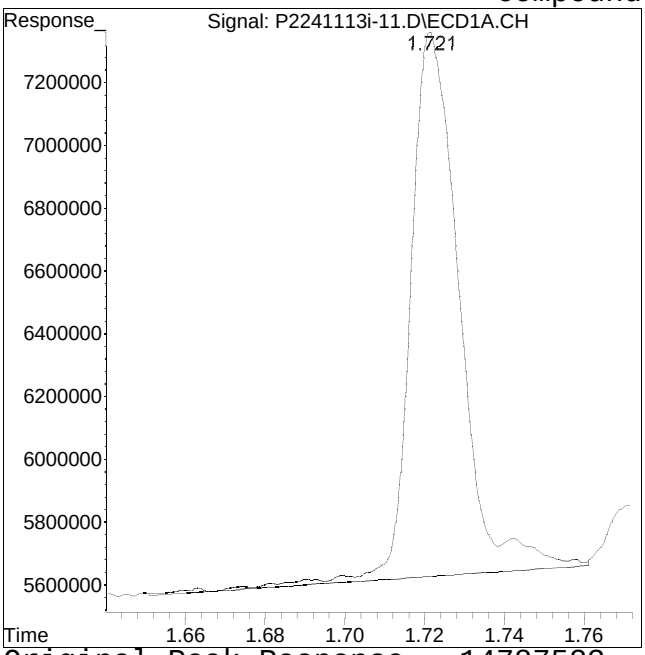
Manual Peak Response = 34928959 M4

M4 = Poor automated baseline construction.

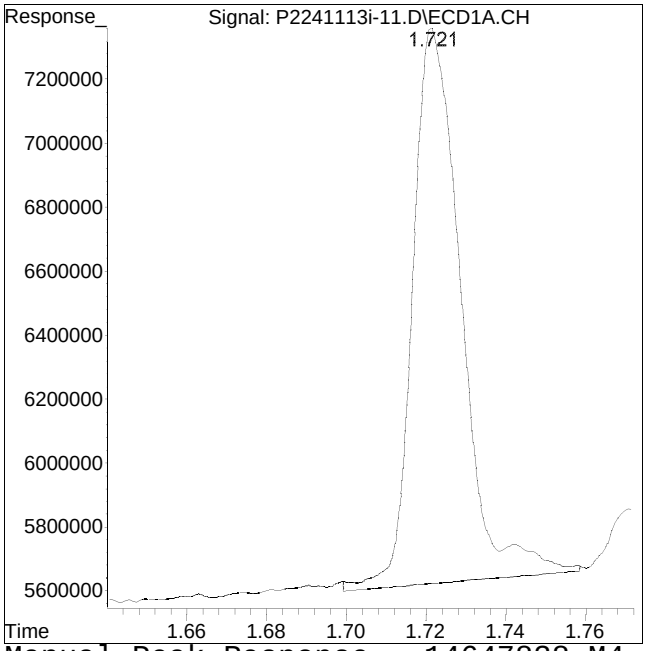
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #5: 1016-2



Original Peak Response = 14787523



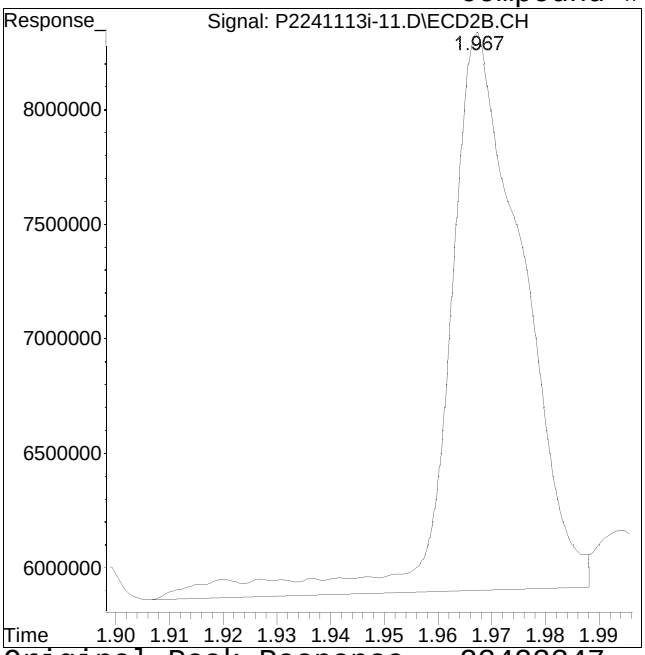
Manual Peak Response = 14647838 M4

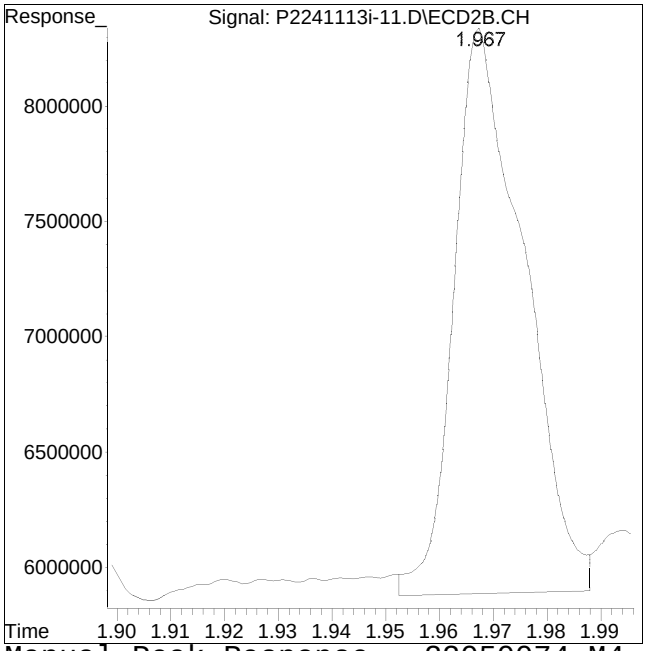
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #56: 1016-2 #2



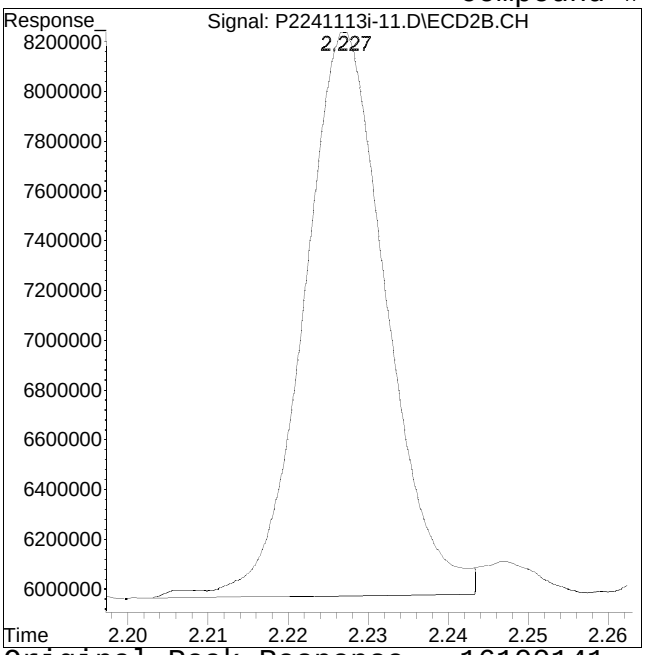


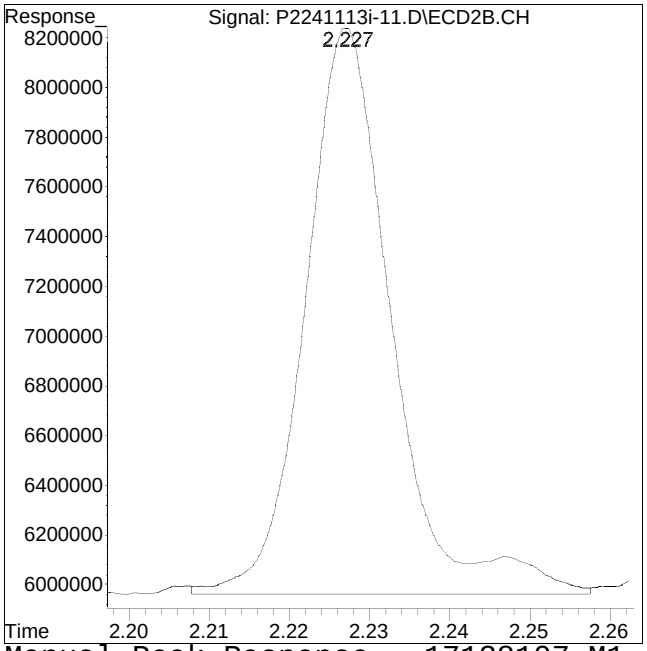
Original Peak Response = 23423347 Manual Peak Response = 22050074 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #58: 1016-4 #2



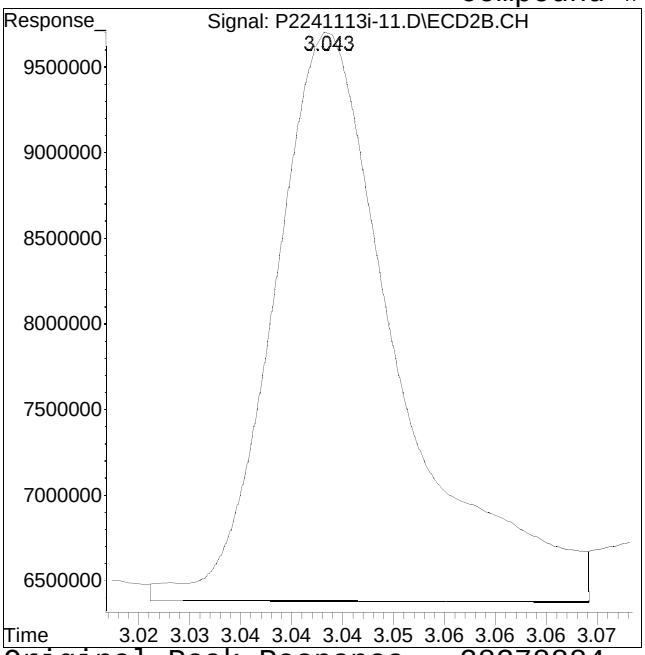


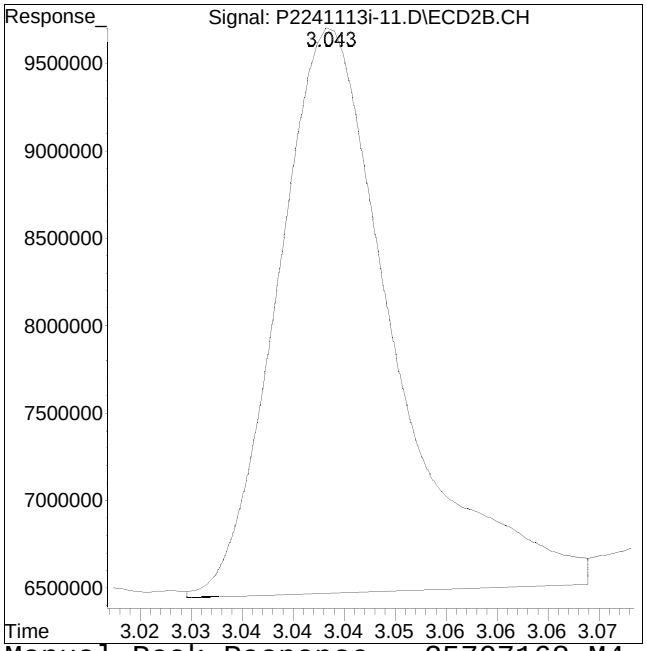
Original Peak Response = 16100141 Manual Peak Response = 17138107 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #60: 1260-1 #2



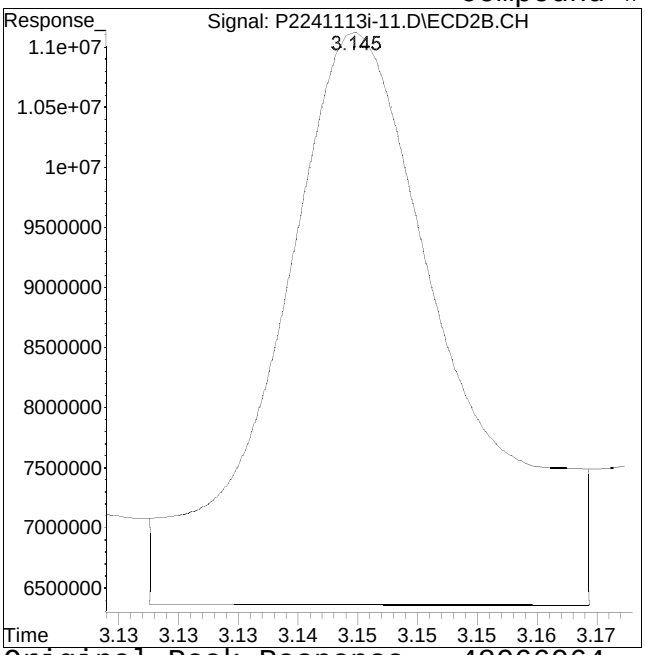


Original Peak Response = 28378884 Manual Peak Response = 25707168 M4
M4 = Poor automated baseline construction.

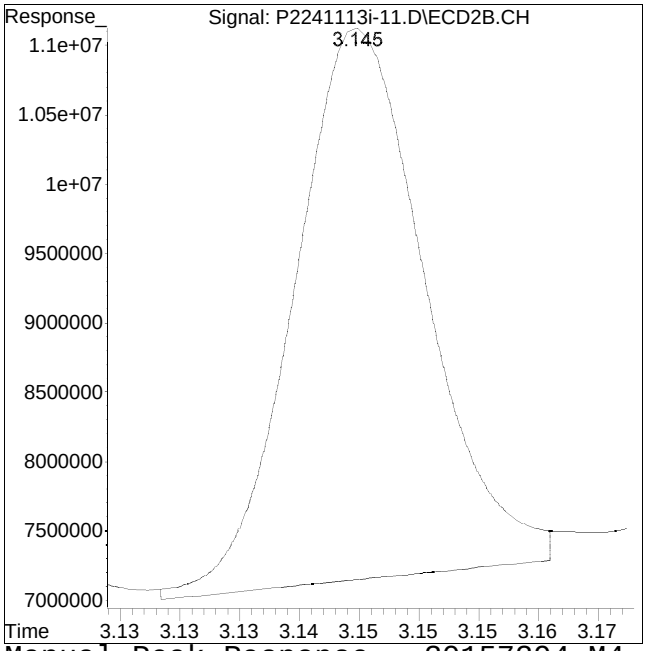
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #61: 1260-2 #2



Original Peak Response = 48066064



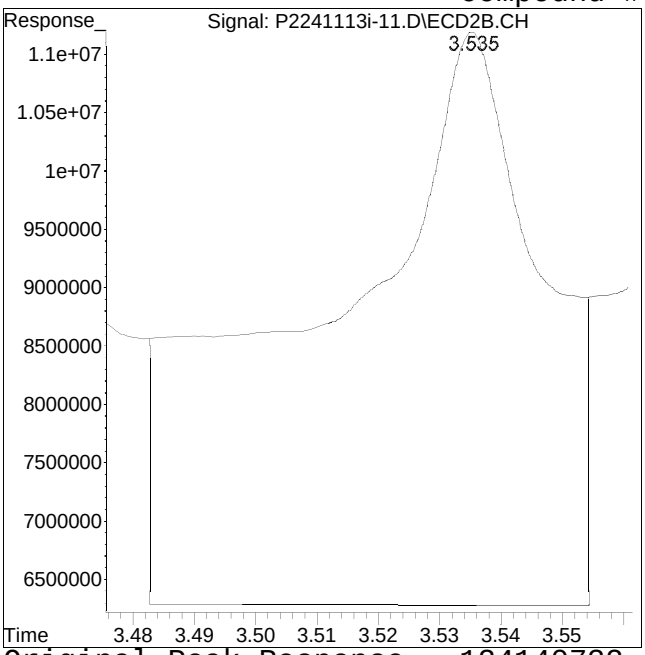
Manual Peak Response = 30157394 M4

M4 = Poor automated baseline construction.

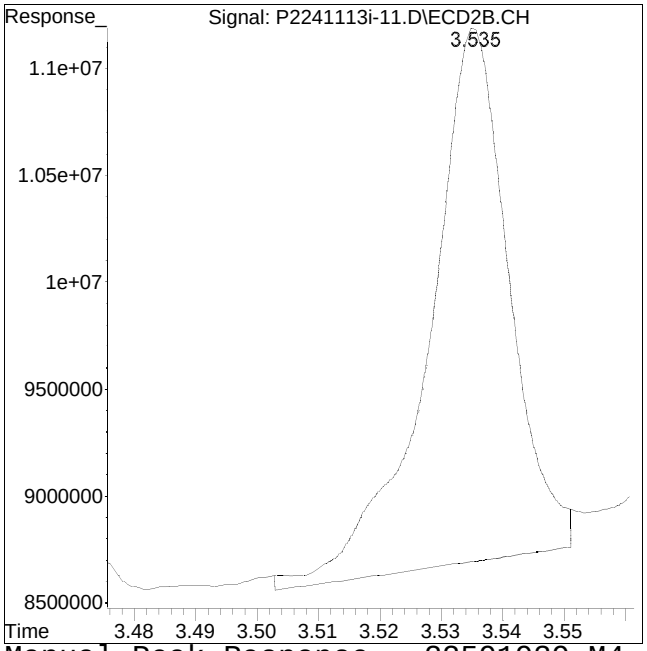
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #62: 1260-3 #2



Original Peak Response = 124140732



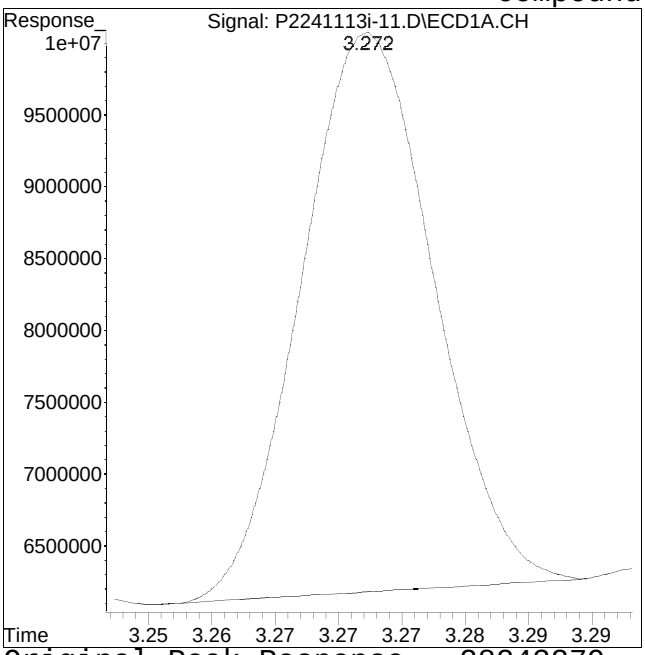
Manual Peak Response = 22591939 M4

M4 = Poor automated baseline construction.

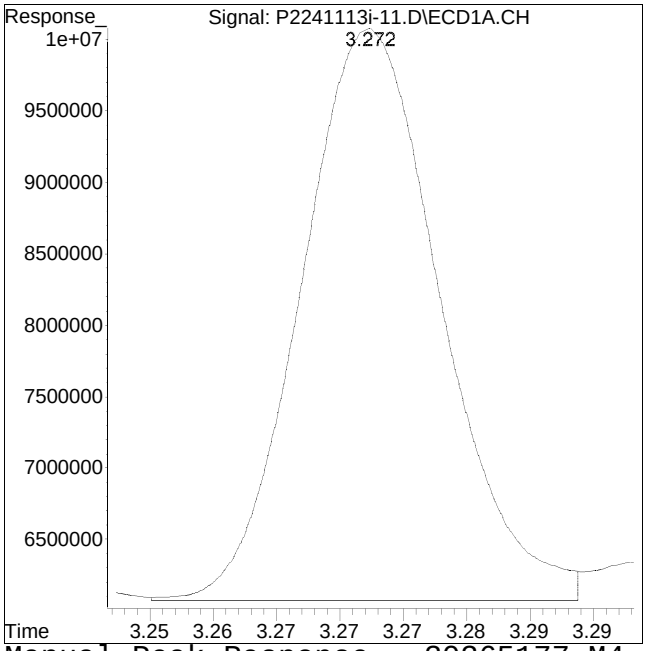
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #12: 1260-4



Original Peak Response = 28243279



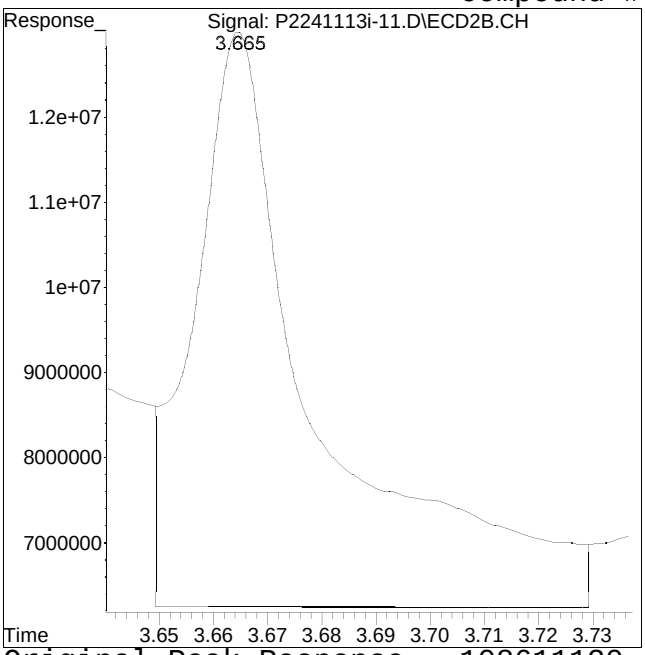
Manual Peak Response = 30365177 M4

M4 = Poor automated baseline construction.

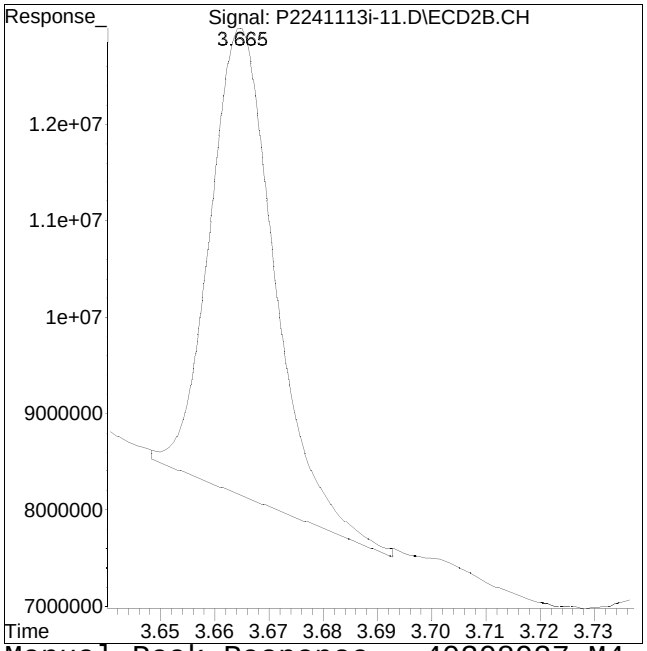
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #63: 1260-4 #2



Original Peak Response = 108611120



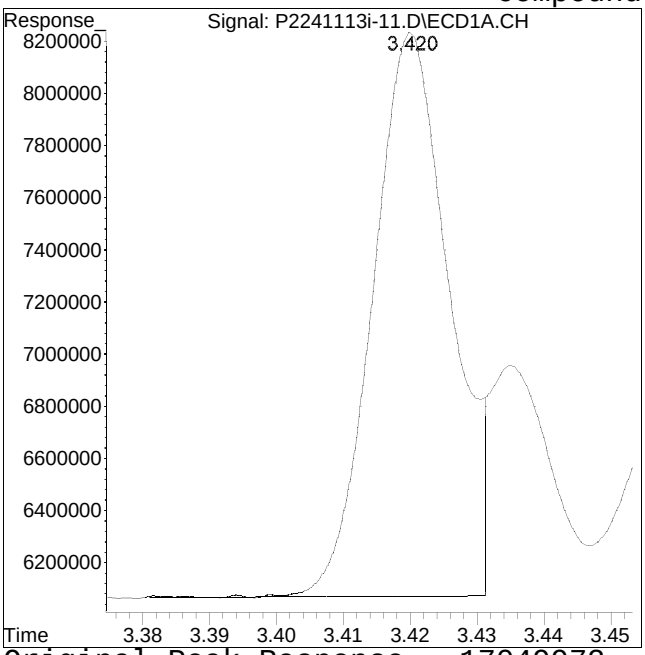
Manual Peak Response = 40308937 M4

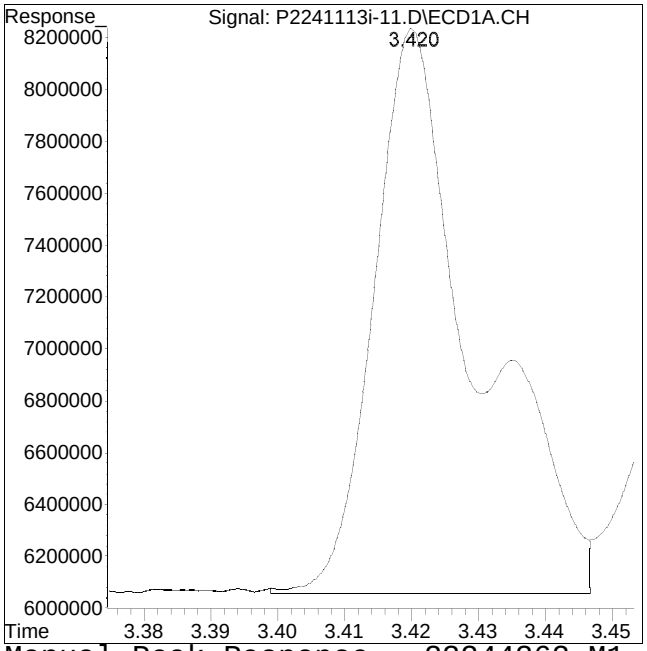
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #13: 1260-5



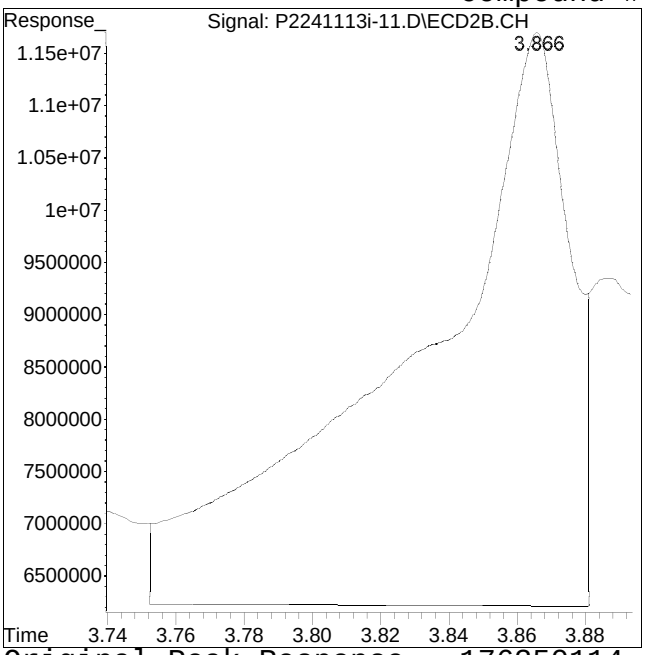


Original Peak Response = 17049972 Manual Peak Response = 23244362 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

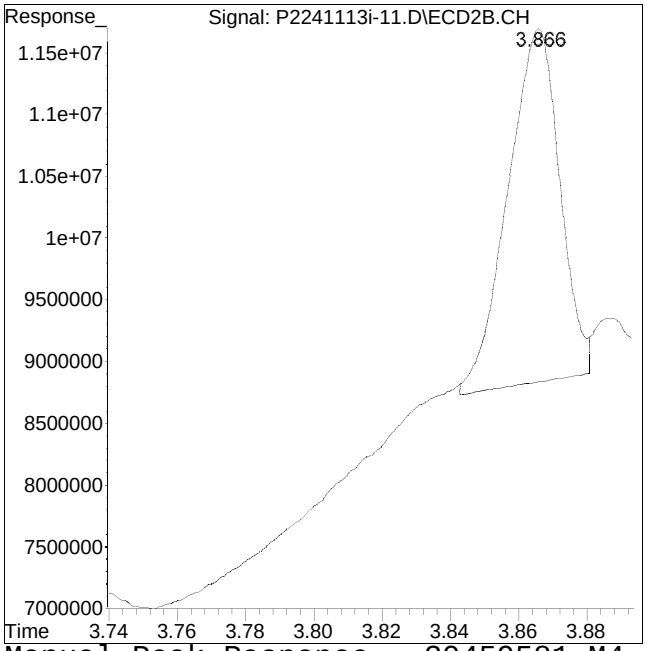
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-11.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:37 Instrument : Pest 2
Sample : il41660,42e,,pp 11854 L30RQuant Date : 11/14/2024 12:16 pm

Compound #64: 1260-5 #2



Original Peak Response = 176350114



Manual Peak Response = 30459581 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:46
Operator : pest2:rmp
Sample : il51660,42e,,pp 11854 L40RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:43 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:41 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	1.161	1.228	238.0E6	376.5E6	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	1.443	1.599	44825028	64845815	3.603M4	3.327
	Spiked Amount	20.000	Range 30 - 150		Recovery =	18.02%#	16.63%#
3) s	Decachlorobi	4.002	4.512	39474675	50869058	3.689M4	3.809
	Spiked Amount	20.000	Range 30 - 150		Recovery =	18.45%#	19.05%#
	Target Compounds						
4) l1	1016-1	1.581	1.798	8266255	11831110	32.567	29.228
5) l1	1016-2	1.721	1.967	19836022	28661361	29.920M4	28.025M4
6) l1	1016-3	1.910	2.168	38534509	56745265	31.005	32.051
7) l1	1016-4	1.964	2.227	16333553	22515561	30.021	29.091
8) l1	1016-5	2.133	2.438	17269764	21147581	30.692	24.462
	Sum 1016-1			100.2E6	140.9E6	154.206	142.858
	Average 1016-1					30.841	28.572
9) l2	1260-1	2.674	3.044	25174185	35833777	36.320	31.375
10) l2	1260-2	2.804	3.145	40227278	45516577	33.218	29.249
11) l2	1260-3	3.118	3.536	22875721	37932586	41.372	21.232
12) l2	1260-4	3.273	3.665	43316855	63505232	42.118	27.254
13) l2	1260-5	3.420	3.866	32289018	48835671	39.788M1	16.036
	Sum 1260-1			163.9E6	231.6E6	NoCal	NoCal D
	Average 1260-1					38.563	25.029 D

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:46
Operator : pest2:rmp
Sample : il51660,42e,,pp 11854 L40RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:43 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:41 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	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					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. 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

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:46
Operator : pest2:rmp
Sample : il51660,42e,,pp 11854 L40RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:43 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:41 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
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

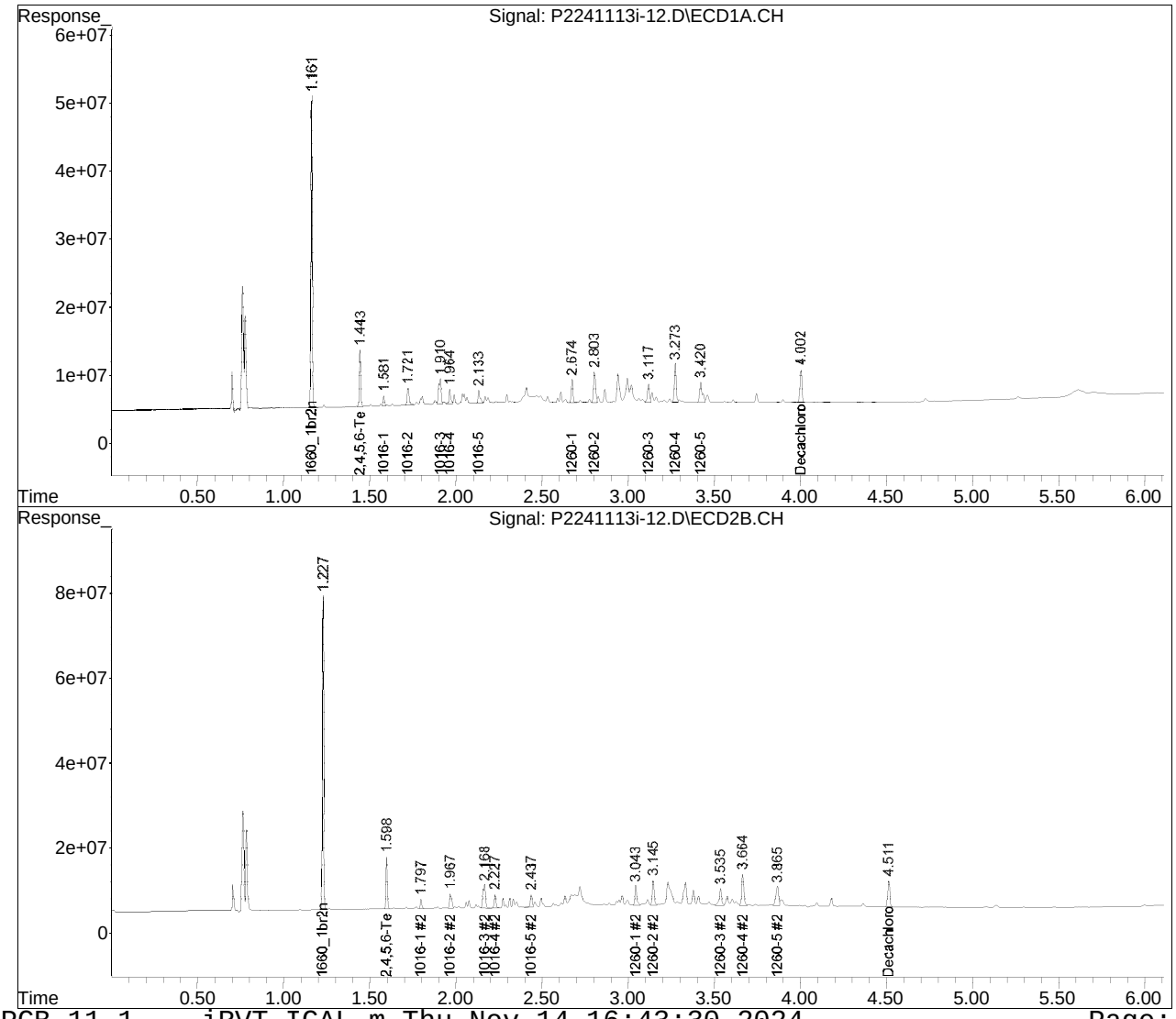
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:46
Operator : pest2:rmp
Sample : il51660,42e,,pp 11854 L40RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:43 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

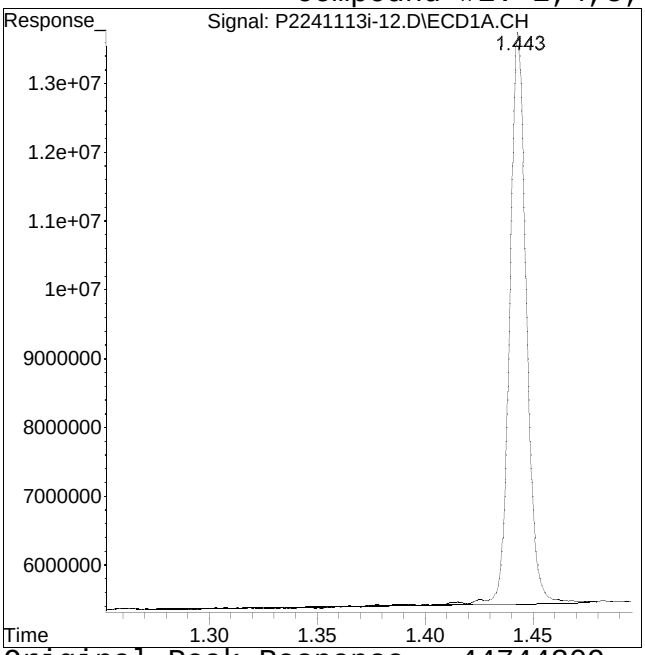
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



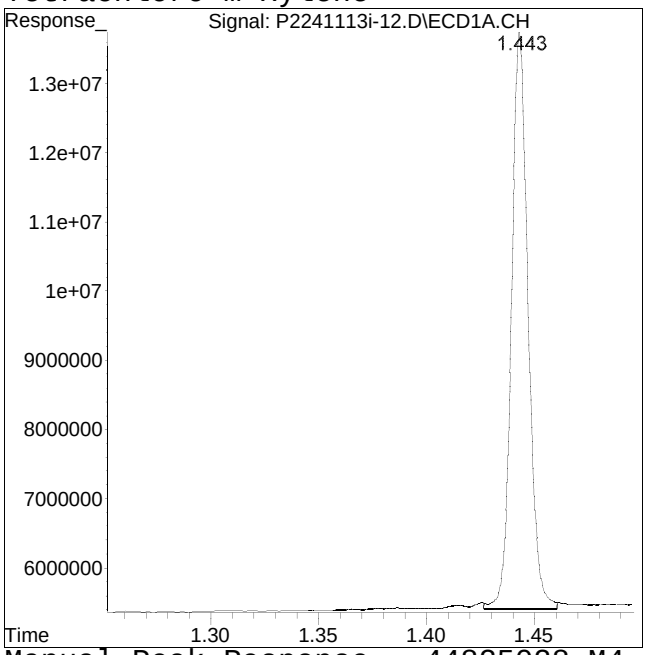
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-12.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:46 Instrument : Pest 2
Sample : il51660,42e,,pp 11854 L40RQuant Date : 11/14/2024 12:16 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 44744309



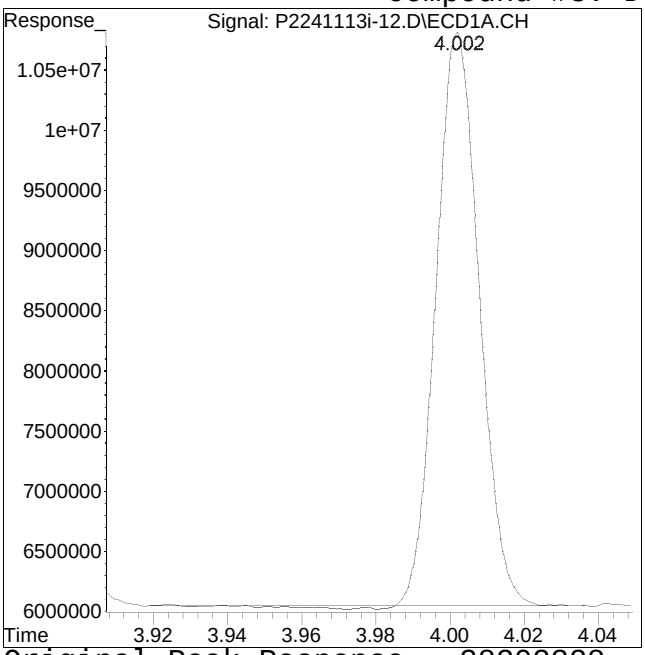
Manual Peak Response = 44825028 M4

M4 = Poor automated baseline construction.

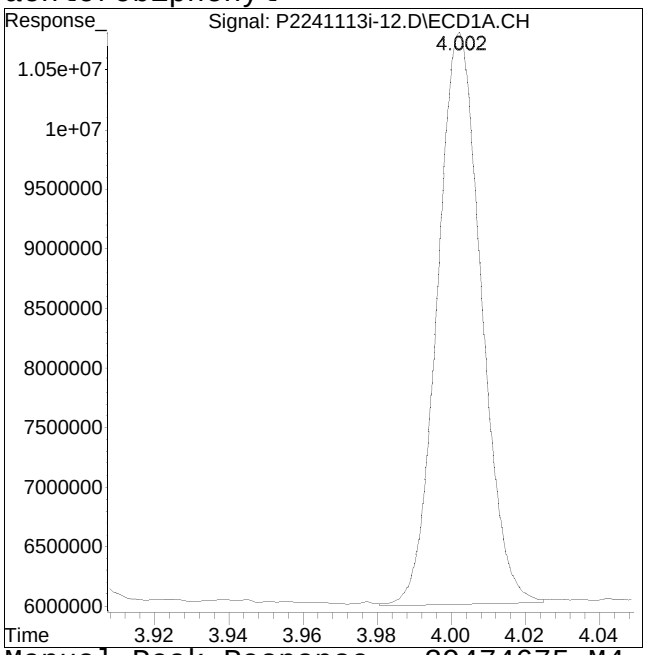
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-12.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:46 Instrument : Pest 2
Sample : il51660,42e,,pp 11854 L40RQuant Date : 11/14/2024 12:16 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 38202328



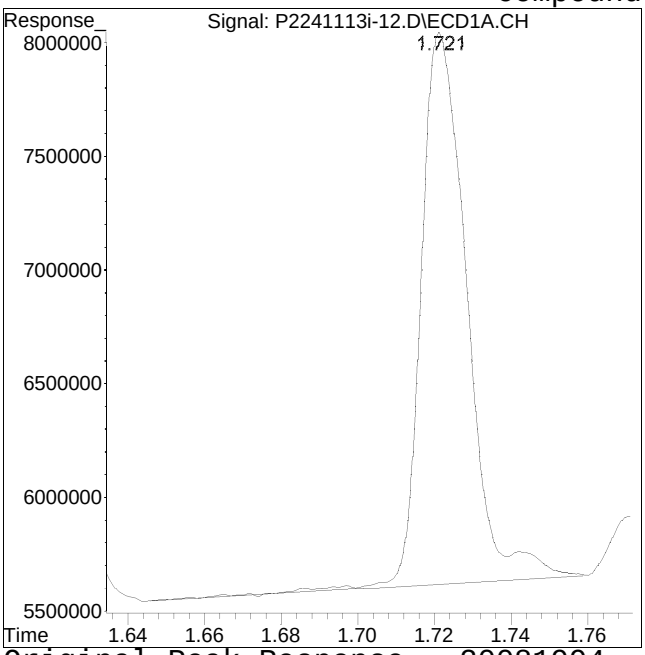
Manual Peak Response = 39474675 M4

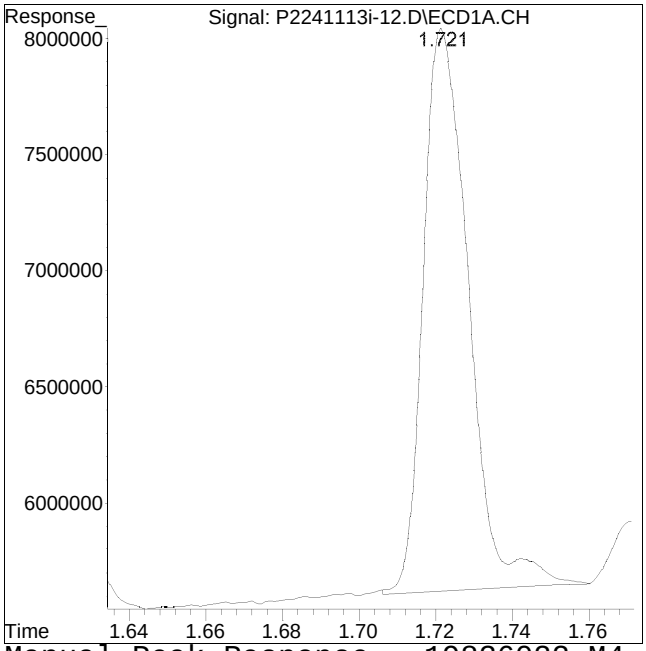
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-12.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:46 Instrument : Pest 2
Sample : il51660,42e,,pp 11854 L40RQuant Date : 11/14/2024 12:16 pm

Compound #5: 1016-2



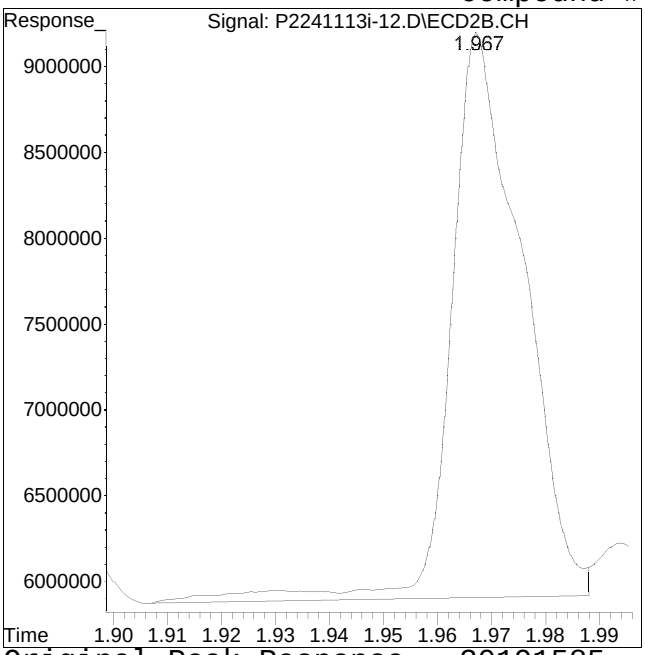


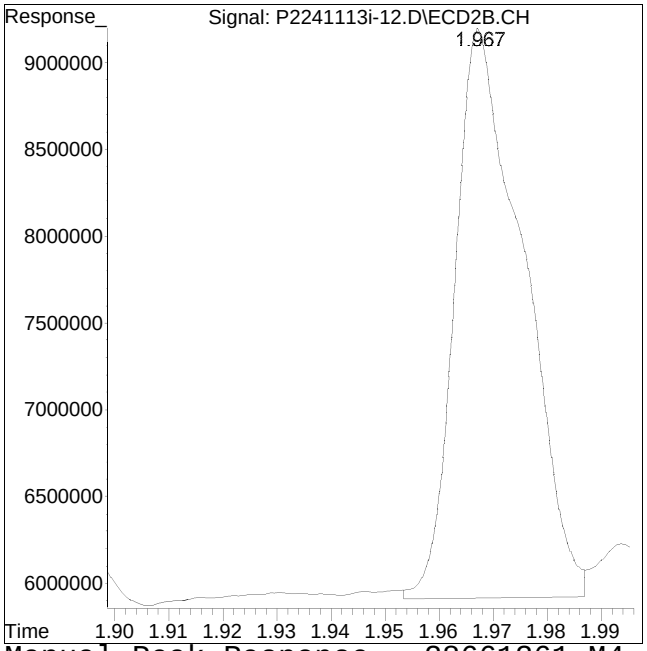
Original Peak Response = 20081994 Manual Peak Response = 19836022 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-12.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:46 Instrument : Pest 2
Sample : il51660,42e,,pp 11854 L40RQuant Date : 11/14/2024 12:16 pm

Compound #56: 1016-2 #2



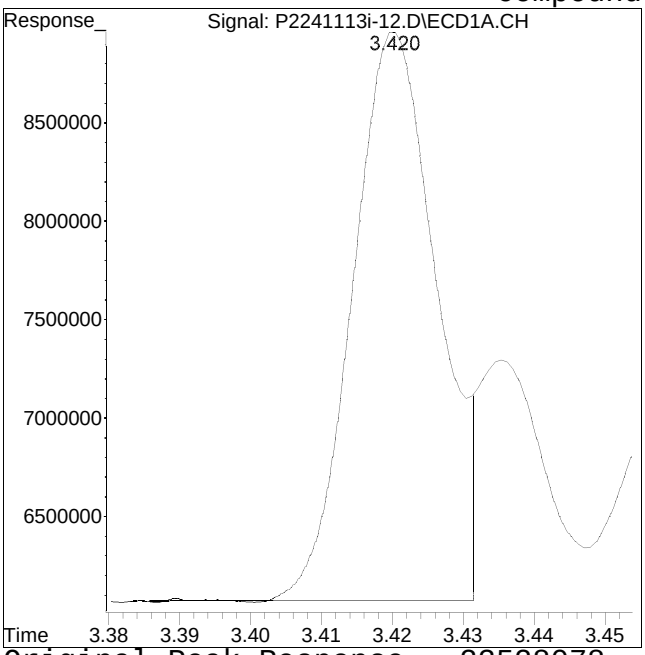


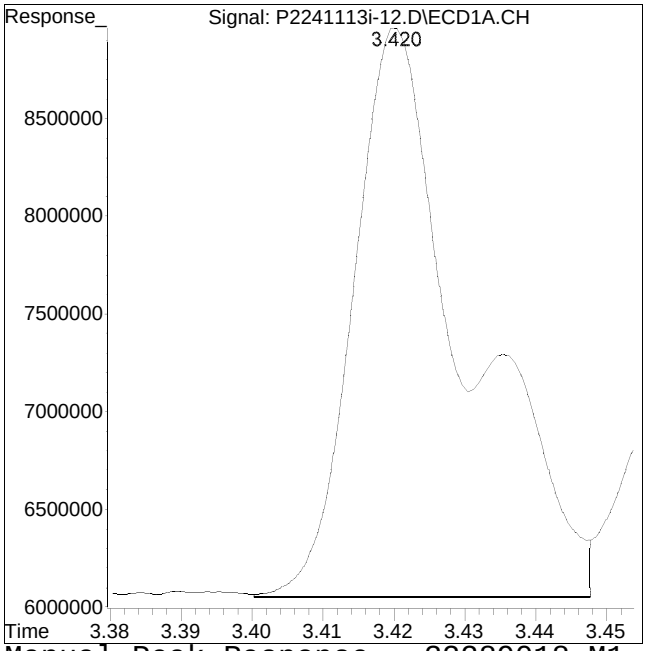
Original Peak Response = 30191585 Manual Peak Response = 28661361 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-12.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:46 Instrument : Pest 2
Sample : il51660,42e,,pp 11854 L40RQuant Date : 11/14/2024 12:16 pm

Compound #13: 1260-5





Original Peak Response = 23528078 Manual Peak Response = 32289018 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\241113i\
Data File : P2241113i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:55
Operator : pest2:rmp
Sample : il61660,42e,,pp 11854 L50RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:58 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:56 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	1.161	1.228	236.0E6	373.6E6	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	1.443	1.598	55100890	80143924	4.542M3	4.263
	Spiked Amount 20.000	Range 30 - 150		Recovery =		22.71%#	21.32%#
3) s	Decachlorobi	4.003	4.513	47805055	61366389	4.587	4.668
	Spiked Amount 20.000	Range 30 - 150		Recovery =		22.93%#	23.34%#
	Target Compounds						
4) l1	1016-1	1.582	1.798	10347746	14626701	42.424	38.121
5) l1	1016-2	1.721	1.968	24541598	36800889	38.903M4	37.914
6) l1	1016-3	1.910	2.168	47220829	69766348	39.805	41.066
7) l1	1016-4	1.964	2.228	20112549	27573352	38.895M1	37.607
8) l1	1016-5	2.134	2.437	21155192	23028083	39.443	28.699
Sum	1016-1			123.4E6	171.8E6	199.471	183.407
Average	1016-1					39.894	36.681
9) l2	1260-1	2.674	3.043	30209400	42465504	44.635	38.861
10) l2	1260-2	2.804	3.145	48291248	50112976	41.381	33.970
11) l2	1260-3	3.118	3.536	26019519	48014888	47.183	29.377
12) l2	1260-4	3.273	3.666	52655395	75562628	51.177M4	34.509
13) l2	1260-5	3.421	3.866	39633779	59531286	51.617M1	21.882
Sum	1260-1			196.8E6	275.7E6	NoCal	NoCal D

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:55
Operator : pest2:rmp
Sample : il61660,42e,,pp 11854 L50RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:58 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:56 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					47.199	31.720
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					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. 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

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:55
Operator : pest2:rmp
Sample : il61660,42e,,pp 11854 L50RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:58 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:56 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

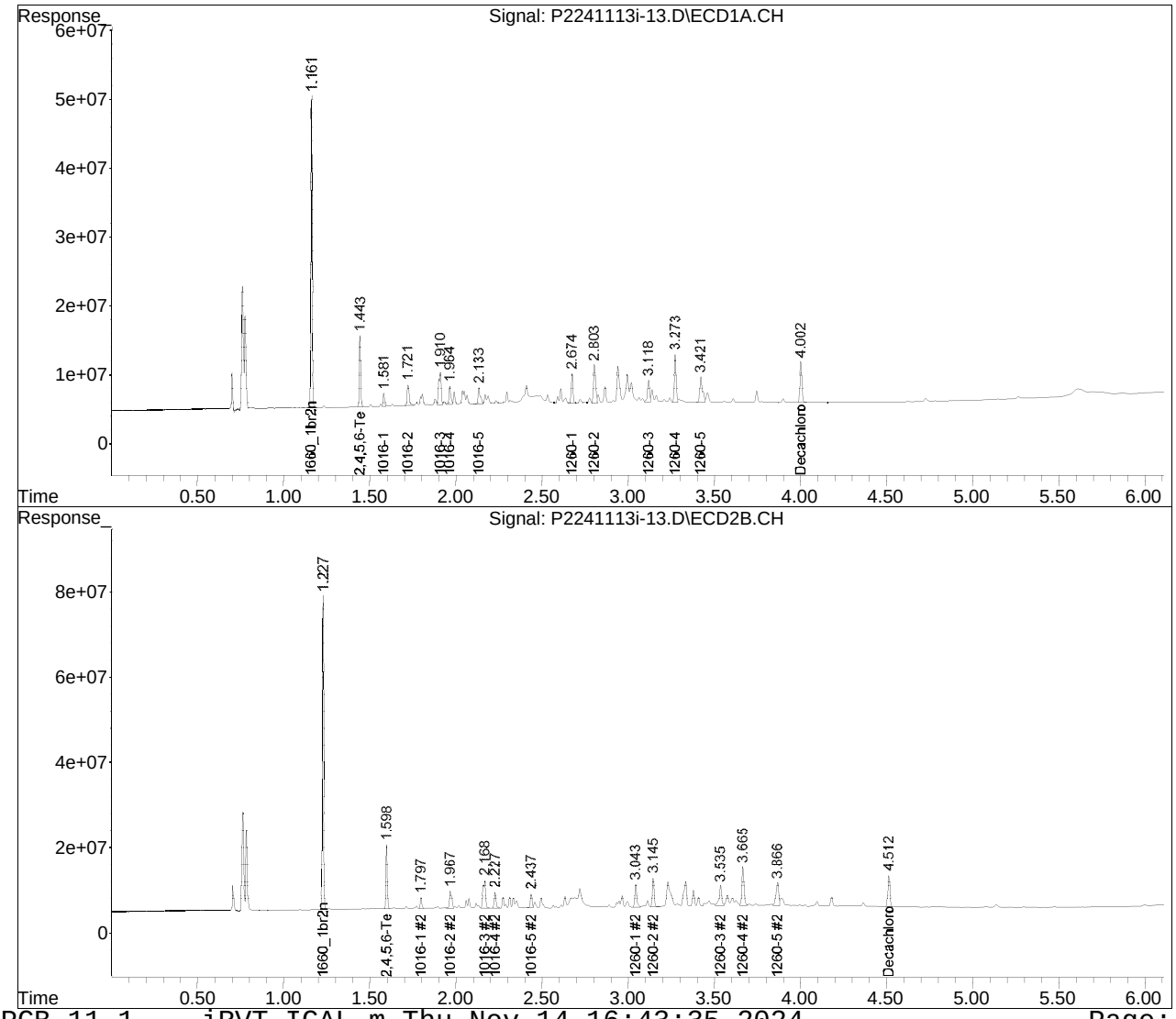
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 20:55
Operator : pest2:rmp
Sample : il61660,42e,,pp 11854 L50RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:16:58 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:16:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

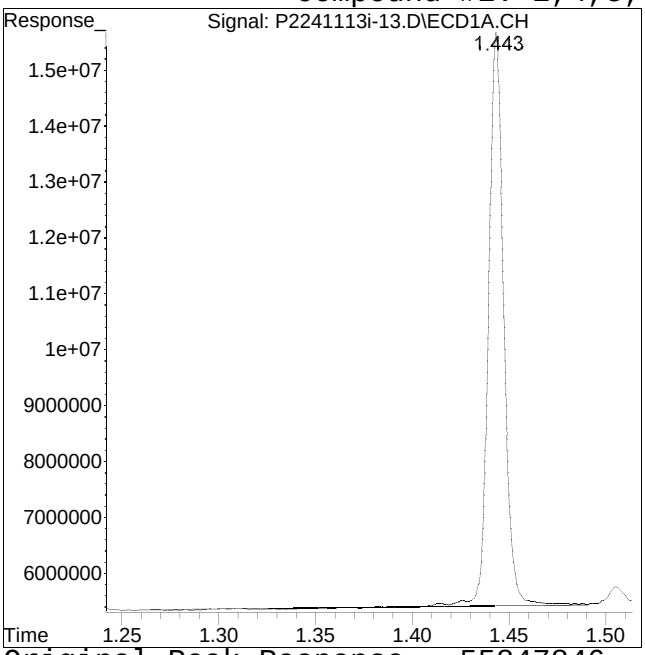
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

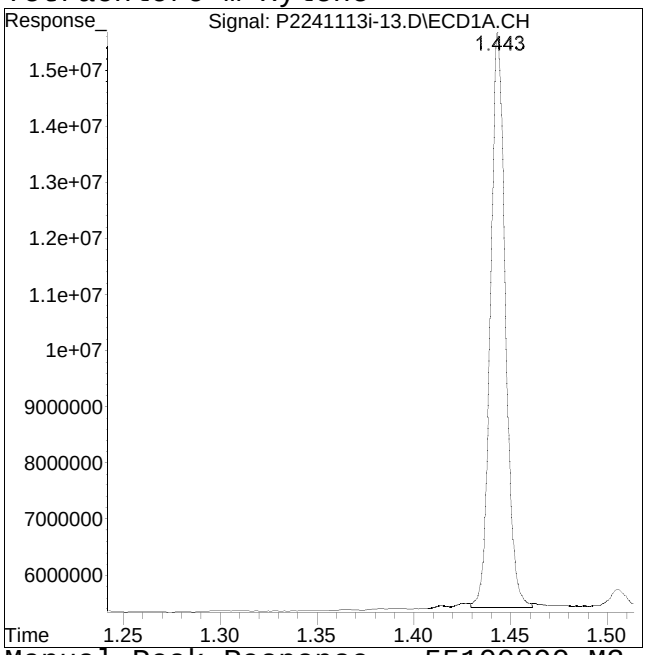


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-13.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:55 Instrument : Pest 2
Sample : il61660,42e,,pp 11854 L50RQuant Date : 11/14/2024 12:16 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



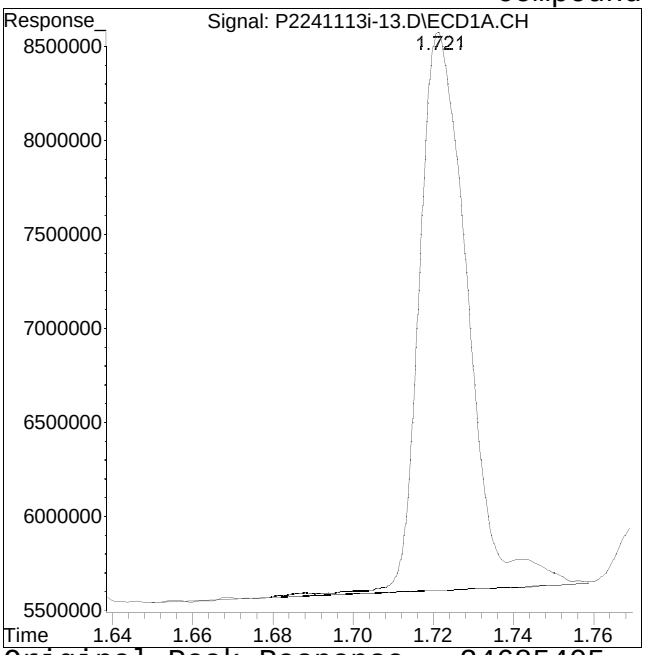


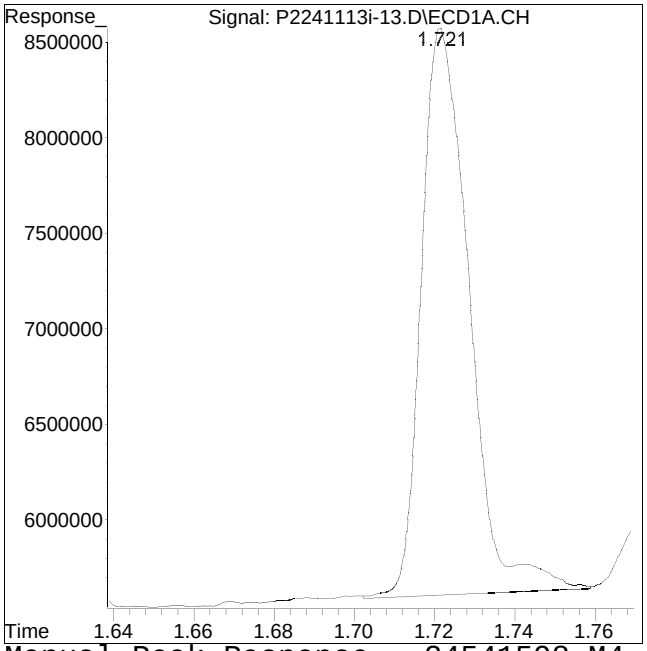
Original Peak Response = 55847846 Manual Peak Response = 55100890 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-13.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:55 Instrument : Pest 2
Sample : il61660,42e,,pp 11854 L50RQuant Date : 11/14/2024 12:16 pm

Compound #5: 1016-2



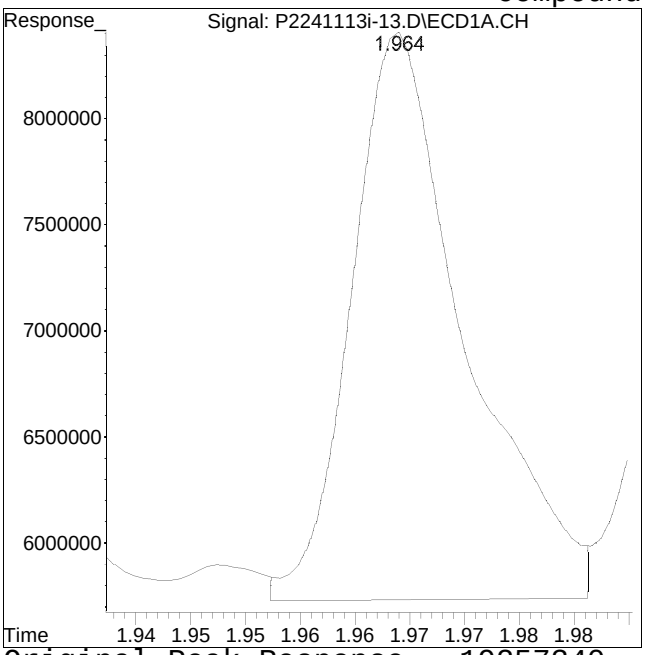


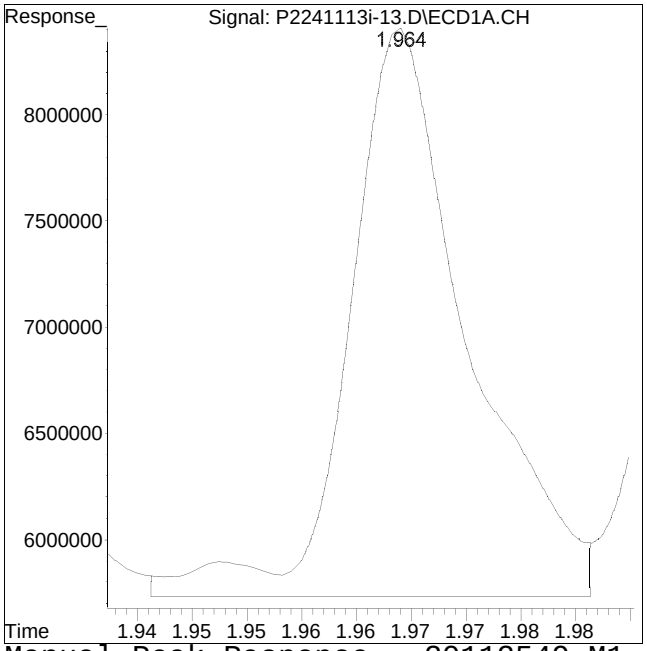
Original Peak Response = 24685405 Manual Peak Response = 24541598 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-13.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:55 Instrument : Pest 2
Sample : il61660,42e,,pp 11854 L50RQuant Date : 11/14/2024 12:16 pm

Compound #7: 1016-4



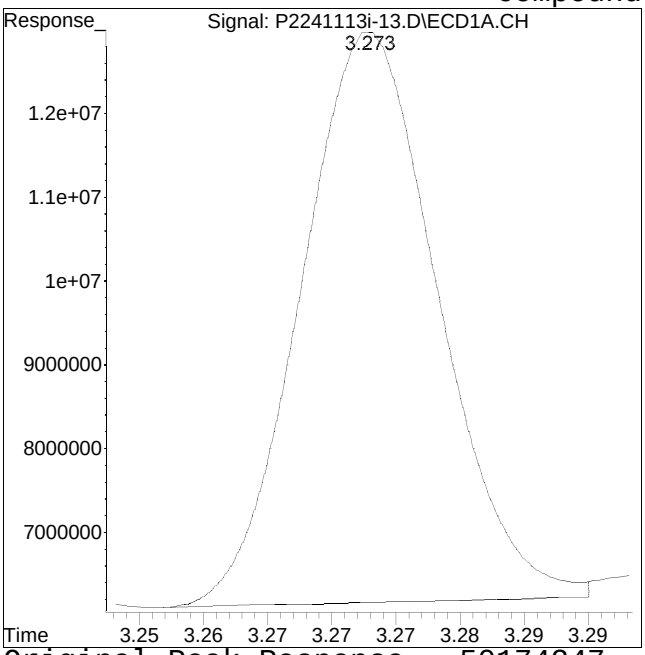


Original Peak Response = 19257340 Manual Peak Response = 20112549 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

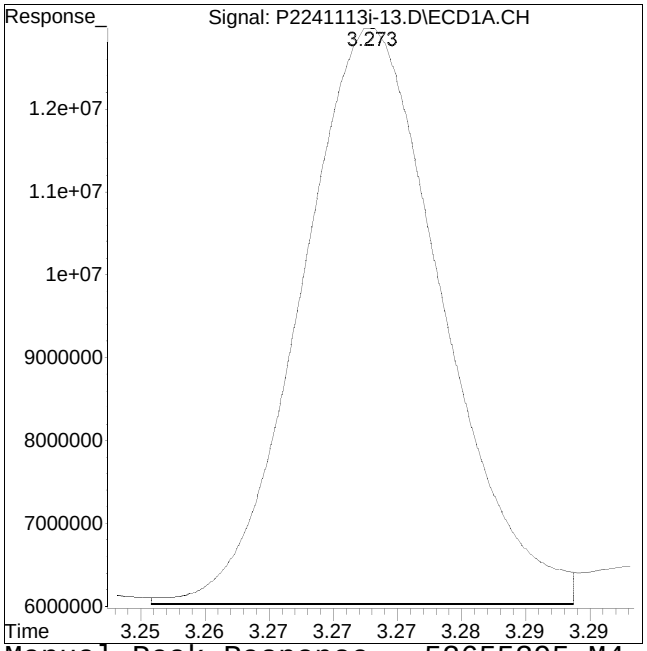
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-13.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:55 Instrument : Pest 2
Sample : il61660,42e,,pp 11854 L50RQuant Date : 11/14/2024 12:16 pm

Compound #12: 1260-4



Original Peak Response = 50174247



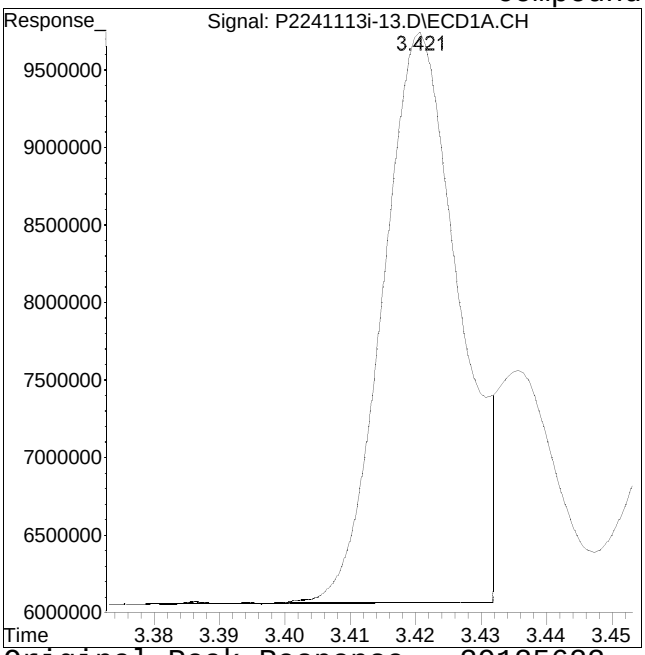
Manual Peak Response = 52655395 M4

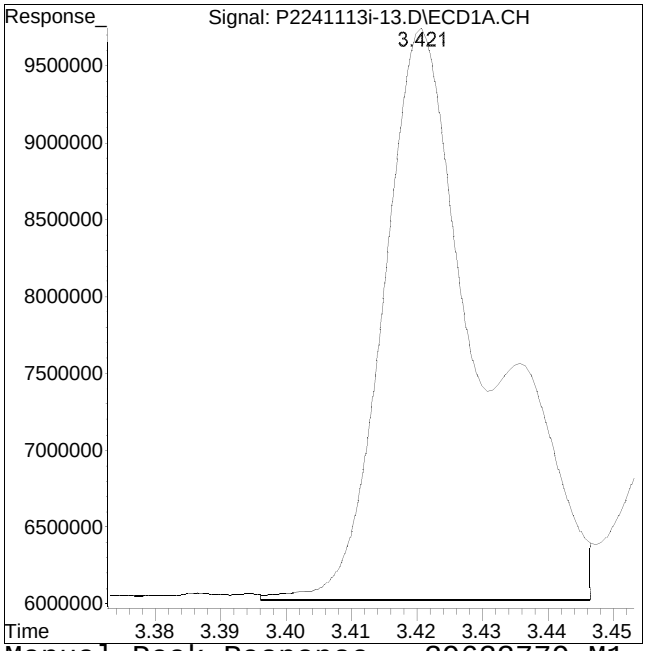
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-13.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 20:55 Instrument : Pest 2
Sample : il61660,42e,,pp 11854 L50RQuant Date : 11/14/2024 12:16 pm

Compound #13: 1260-5





Original Peak Response = 29125622 Manual Peak Response = 39633779 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\241113i\
Data File : P2241113i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:05
Operator : pest2:rmp
Sample : il71660,42e,,pp 11854 L100RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:13 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:11 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	1.162	1.228	240.4E6	370.7E6	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	1.443	1.599	110.4E6	155.4E6	9.035M3	8.508
	Spiked Amount 20.000	Range 30 - 150		Recovery =		45.17%	42.54%
3) s	Decachlorobi	4.002	4.512	94666512	115.6E6	9.026M4	8.948
	Spiked Amount 20.000	Range 30 - 150		Recovery =		45.13%	44.74%
	Target Compounds						
4) l1	1016-1	1.582	1.798	19661019	27670334	80.908	75.235
5) l1	1016-2	1.721	1.968	48535999	67706396	77.975M1	72.816
6) l1	1016-3	1.909	2.168	93326797	130.5E6	79.572	79.427
7) l1	1016-4	1.964	2.227	38770787	51465088	76.414M1	73.341
8) l1	1016-5	2.133	2.437	39748884	43558566	75.039	58.256
Sum	1016-1			240.0E6	320.9E6	389.908	359.076
Average	1016-1					77.982	71.815
9) l2	1260-1	2.674	3.044	57966700	79305377	85.415	75.548
10) l2	1260-2	2.804	3.145	92797124	93128497	80.059	66.678
11) l2	1260-3	3.117	3.535	50543099	72712085	90.734	47.644
12) l2	1260-4	3.272	3.665	104.6E6	133.1E6	100.187	64.101
13) l2	1260-5	3.420	3.866	76664263	100.7E6	101.547	40.547
Sum	1260-1			382.6E6	478.9E6	NoCal	NoCal D
Average	1260-1					91.589	58.904 D

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:05
Operator : pest2:rmp
Sample : il71660,42e,,pp 11854 L100RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:13 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:11 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	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					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

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:05
Operator : pest2:rmp
Sample : il71660,42e,,pp 11854 L100RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:13 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:11 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
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

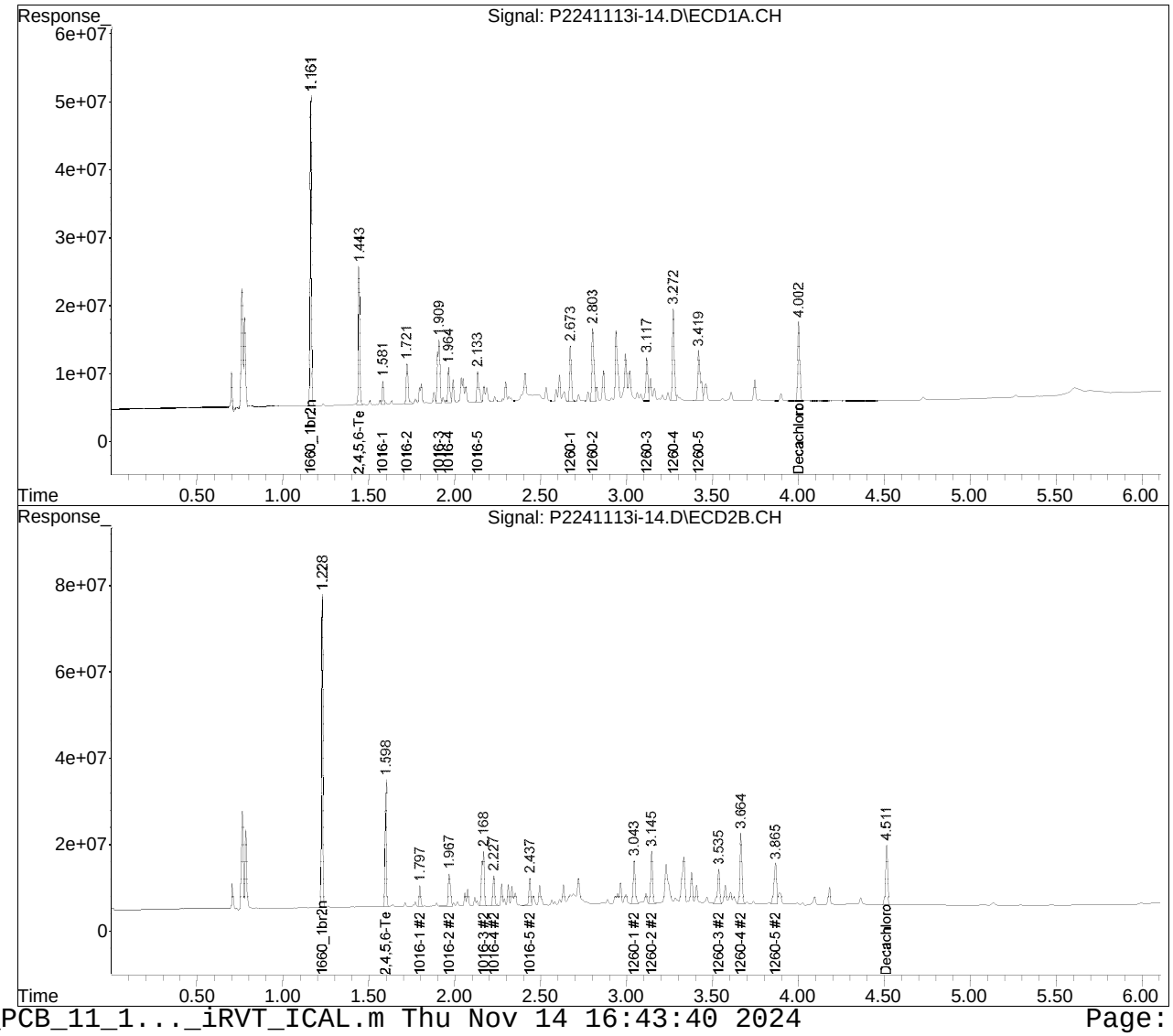
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:05
Operator : pest2:rmp
Sample : il71660,42e,,pp 11854 L100RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:13 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:11 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

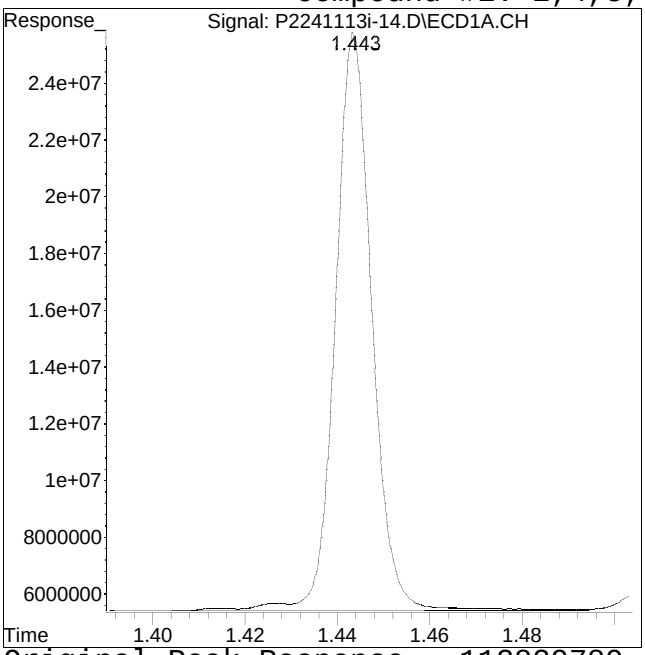
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

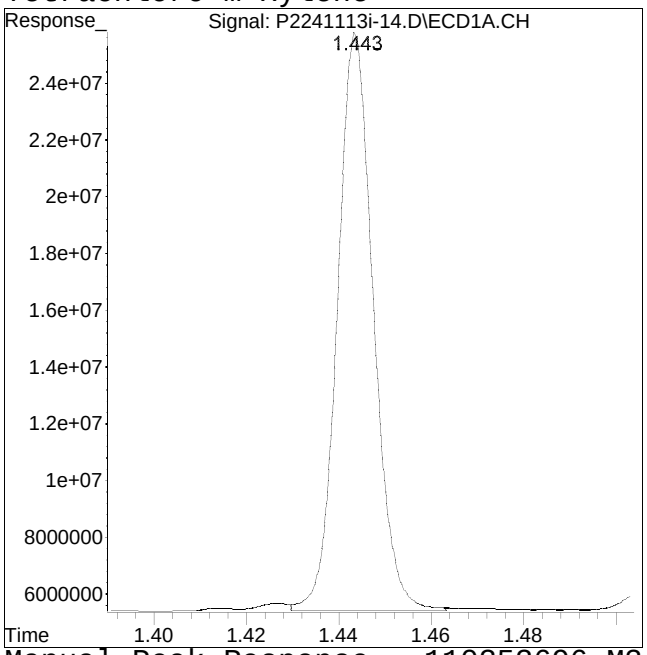


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-14.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:05 Instrument : Pest 2
Sample : il71660,42e,,pp 11854 L100Quant Date : 11/14/2024 12:17 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



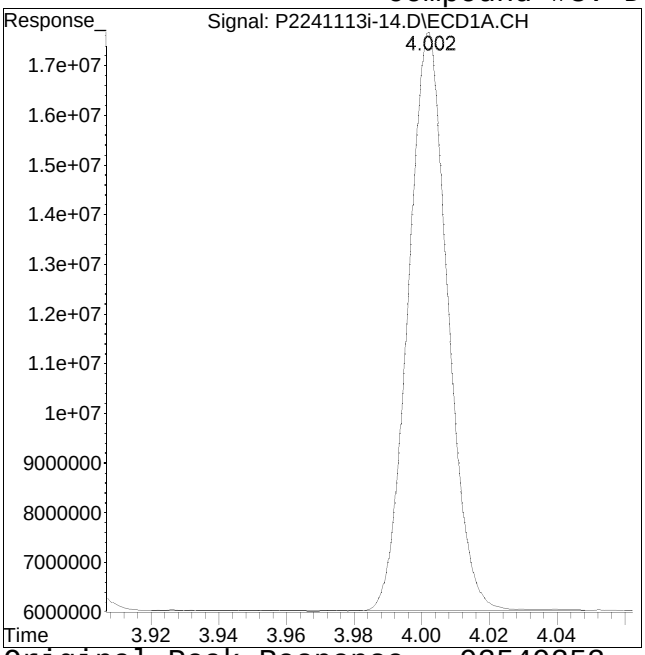


Original Peak Response = 112829789 Manual Peak Response = 110353696 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

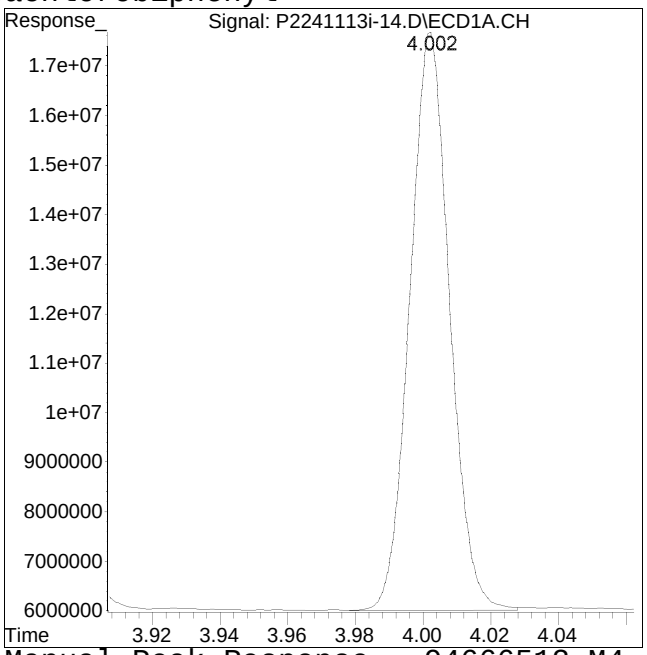
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-14.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:05 Instrument : Pest 2
Sample : il71660,42e,,pp 11854 L100Quant Date : 11/14/2024 12:17 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 93549253



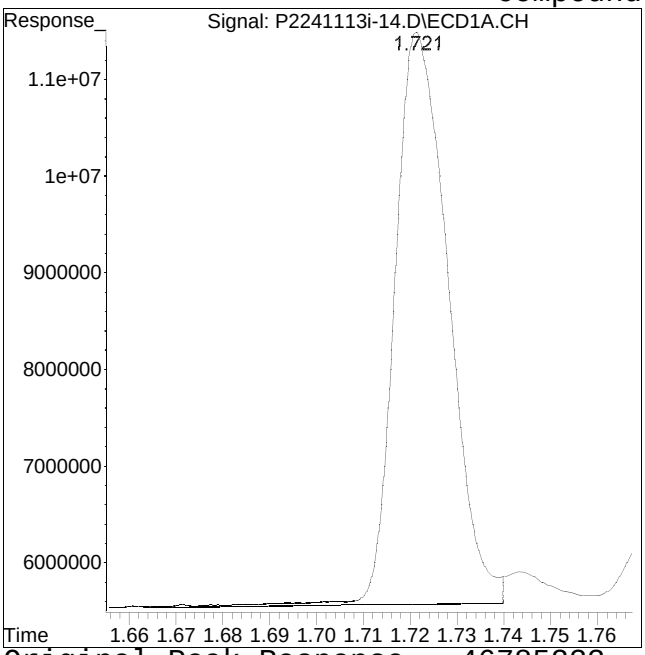
Manual Peak Response = 94666512 M4

M4 = Poor automated baseline construction.

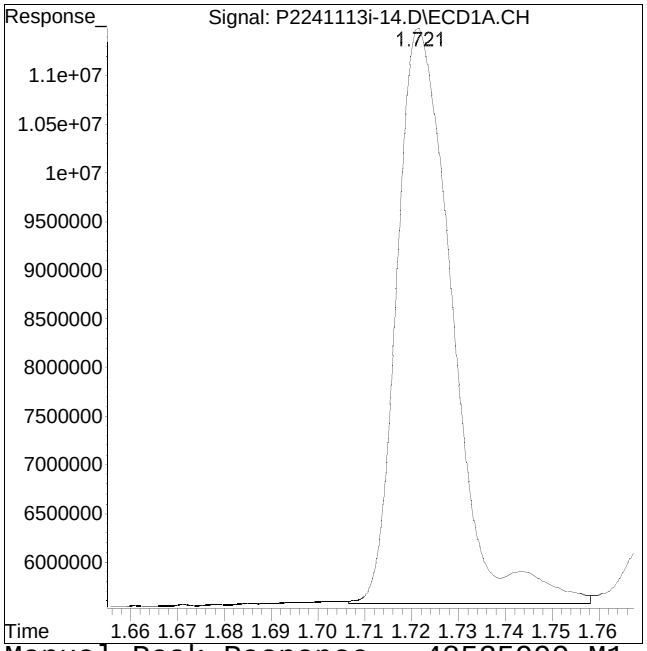
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-14.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:05 Instrument : Pest 2
Sample : il71660,42e,,pp 11854 L100Quant Date : 11/14/2024 12:17 pm

Compound #5: 1016-2



Original Peak Response = 46785233



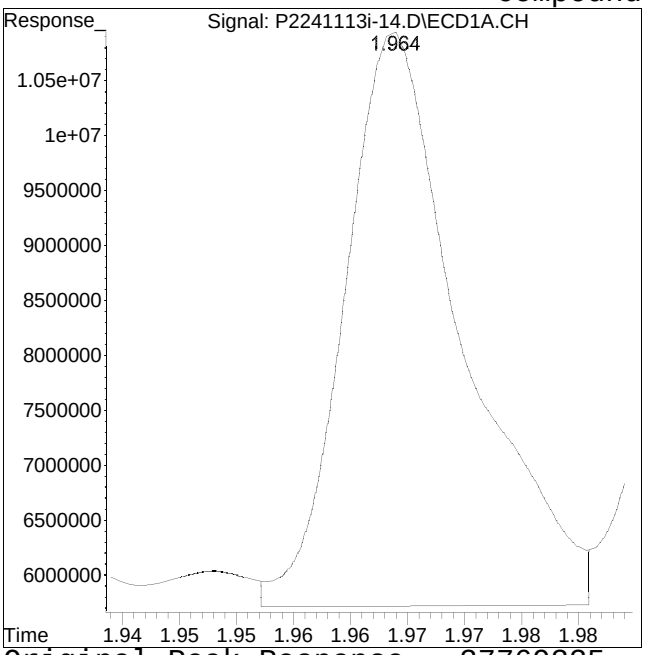
Manual Peak Response = 48535999 M1

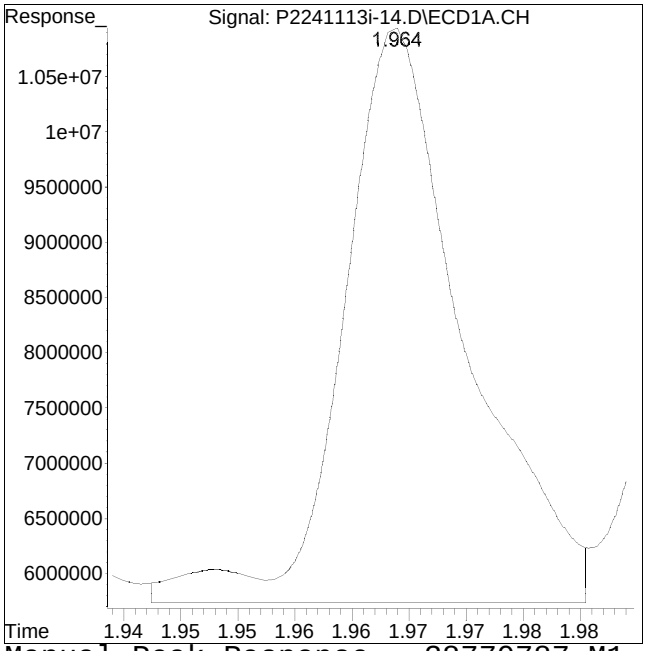
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-14.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:05 Instrument : Pest 2
Sample : il71660,42e,,pp 11854 L100Quant Date : 11/14/2024 12:17 pm

Compound #7: 1016-4





Original Peak Response = 37769335 Manual Peak Response = 38770787 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\241113i\
Data File : P2241113i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:14
Operator : pest2:rmp
Sample : il81660,42e,,pp 11854 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:29 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:27 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	1.162	1.228	235.2E6	373.1E6	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	1.443	1.598	282.0E6	392.1E6	23.821M3	21.738
	Spiked Amount 20.000	Range 30 - 150		Recovery =		119.11%	108.69%
3) s	Decachlorobi	4.003	4.512	229.9E6	267.2E6	22.711	20.819
	Spiked Amount 20.000	Range 30 - 150		Recovery =		113.55%	104.10%
	Target Compounds						
4) l1	1016-1	1.582	1.798	47490339	64716459	204.596	180.405
5) l1	1016-2	1.722	1.968	118.1E6	156.4E6	200.083	173.002
6) l1	1016-3	1.910	2.168	236.0E6	320.2E6	211.006	198.794
7) l1	1016-4	1.964	2.228	99610029	125.7E6	207.248	184.074
8) l1	1016-5	2.134	2.437	102.5E6	100.2E6	204.089	140.443
	Sum 1016-1			603.7E6	767.2E6	1027.022	876.719
Average	1016-1					205.404	175.344
9) l2	1260-1	2.674	3.043	145.2E6	189.4E6	222.637	184.953
10) l2	1260-2	2.804	3.145	227.6E6	222.9E6	205.827	165.473
11) l2	1260-3	3.118	3.535	122.7E6	174.6E6	227.783	121.620
12) l2	1260-4	3.273	3.665	260.6E6	332.0E6	254.971	166.326
13) l2	1260-5	3.421	3.866	192.3E6	245.5E6	259.733	106.159
	Sum 1260-1			948.3E6	1164.6E6	NoCal	NoCal D
Average	1260-1					234.190	148.906 D
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:14
Operator : pest2:rmp
Sample : il81660,42e,,pp 11854 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:29 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:27 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	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					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\241113i\
Data File : P2241113i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:14
Operator : pest2:rmp
Sample : il81660,42e,,pp 11854 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:29 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:27 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	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

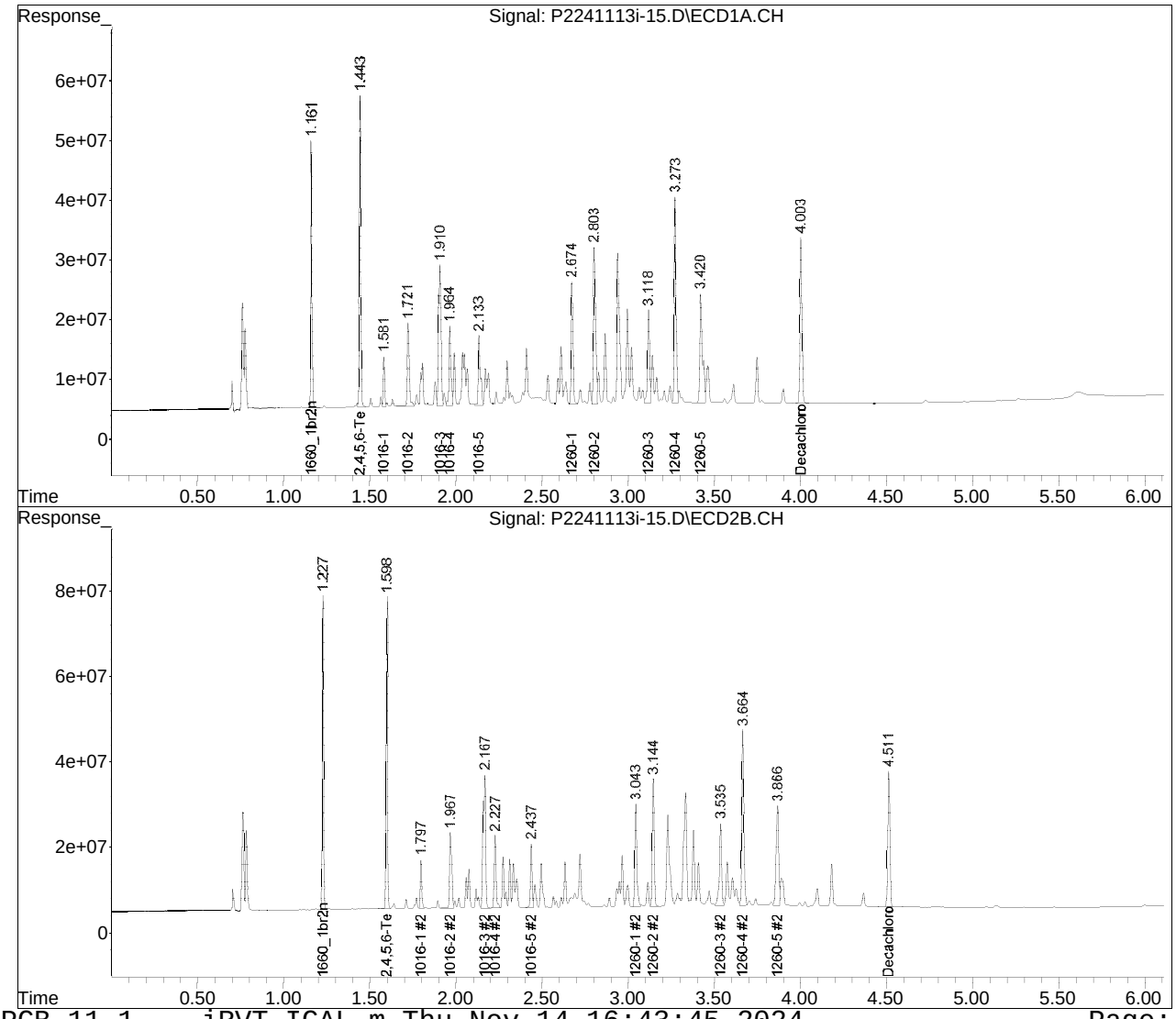
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:14
Operator : pest2:rmp
Sample : il81660,42e,,pp 11854 L250RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:29 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

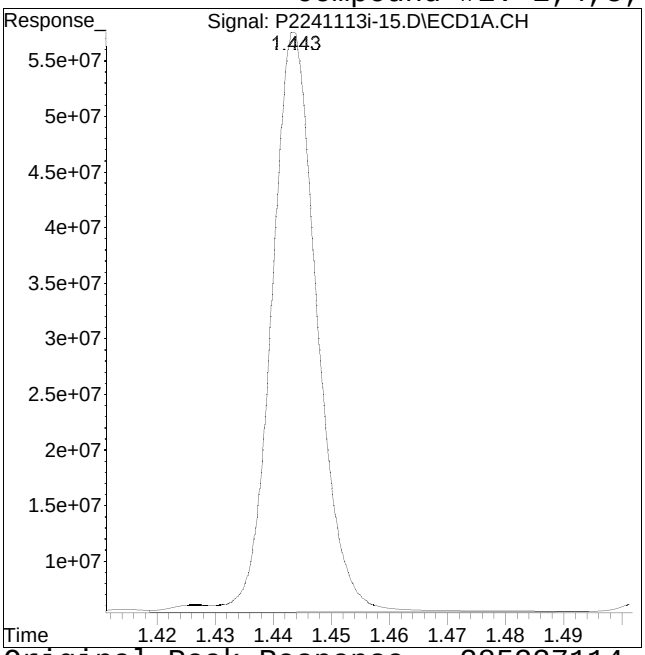
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

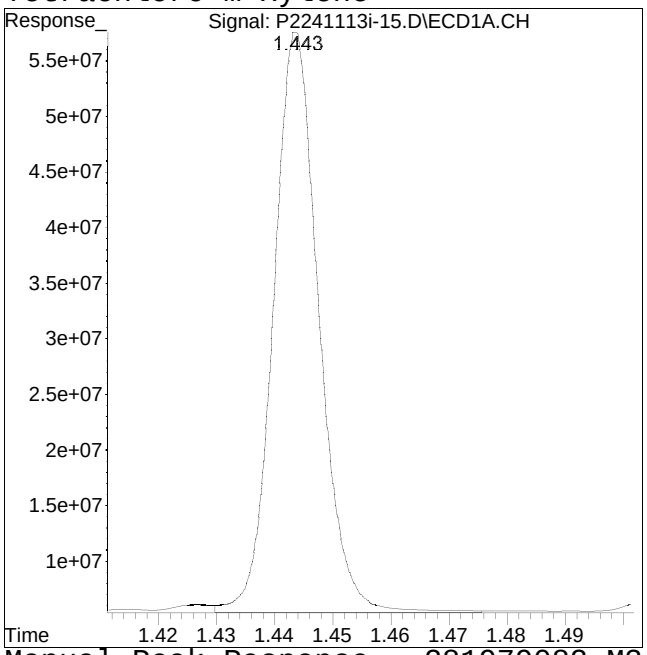


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-15.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:14 Instrument : Pest 2
Sample : il81660,42e,,pp 11854 L250Quant Date : 11/14/2024 12:17 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





Original Peak Response = 285337114 Manual Peak Response = 281979082 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\241113i\
Data File : P2241113i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:24
Operator : pest2:rmp
Sample : il91660,42e,,pp 11854 L500RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:41 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	1.162	1.228	236.4E6	377.5E6	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	1.443	1.599	572.0E6	795.2E6	48.014M3	43.584
	Spiked Amount	20.000	Range 30 - 150		Recovery =	240.07%#	217.92%#
3) s	Decachlorobi	4.002	4.512	457.1E6	552.3E6	44.922	42.538
	Spiked Amount	20.000	Range 30 - 150		Recovery =	224.61%#	212.69%#
	Target Compounds						
4) l1	1016-1	1.581	1.798	93168491	127.8E6	399.348	352.196
5) l1	1016-2	1.721	1.968	225.0E6	302.8E6	379.244M1	331.055
6) l1	1016-3	1.909	2.168	474.8E6	639.9E6	422.417	392.659
7) l1	1016-4	1.964	2.227	195.8E6	250.4E6	405.389	362.521
8) l1	1016-5	2.133	2.437	199.2E6	197.4E6	394.632	273.544
	Sum 1016-1			1188.0E6	1518.3E6	2001.030	1711.976
	Average 1016-1					400.206	342.395
9) l2	1260-1	2.674	3.043	287.6E6	377.6E6	438.854	364.446M3
10) l2	1260-2	2.803	3.145	451.6E6	492.7E6	406.278	361.532
11) l2	1260-3	3.118	3.536	244.6E6	362.7E6	451.683	249.762
12) l2	1260-4	3.273	3.665	528.1E6	691.5E6	514.188	342.426
13) l2	1260-5	3.419	3.866	389.3E6	511.6E6	523.247M1	218.628
	Sum 1260-1			1901.2E6	2436.2E6	NoCal	NoCal D
	Average 1260-1					466.850	307.359 D

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:24
Operator : pest2:rmp
Sample : il91660,42e,,pp 11854 L500RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:41 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	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					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

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:24
Operator : pest2:rmp
Sample : il91660,42e,,pp 11854 L500RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:41 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
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

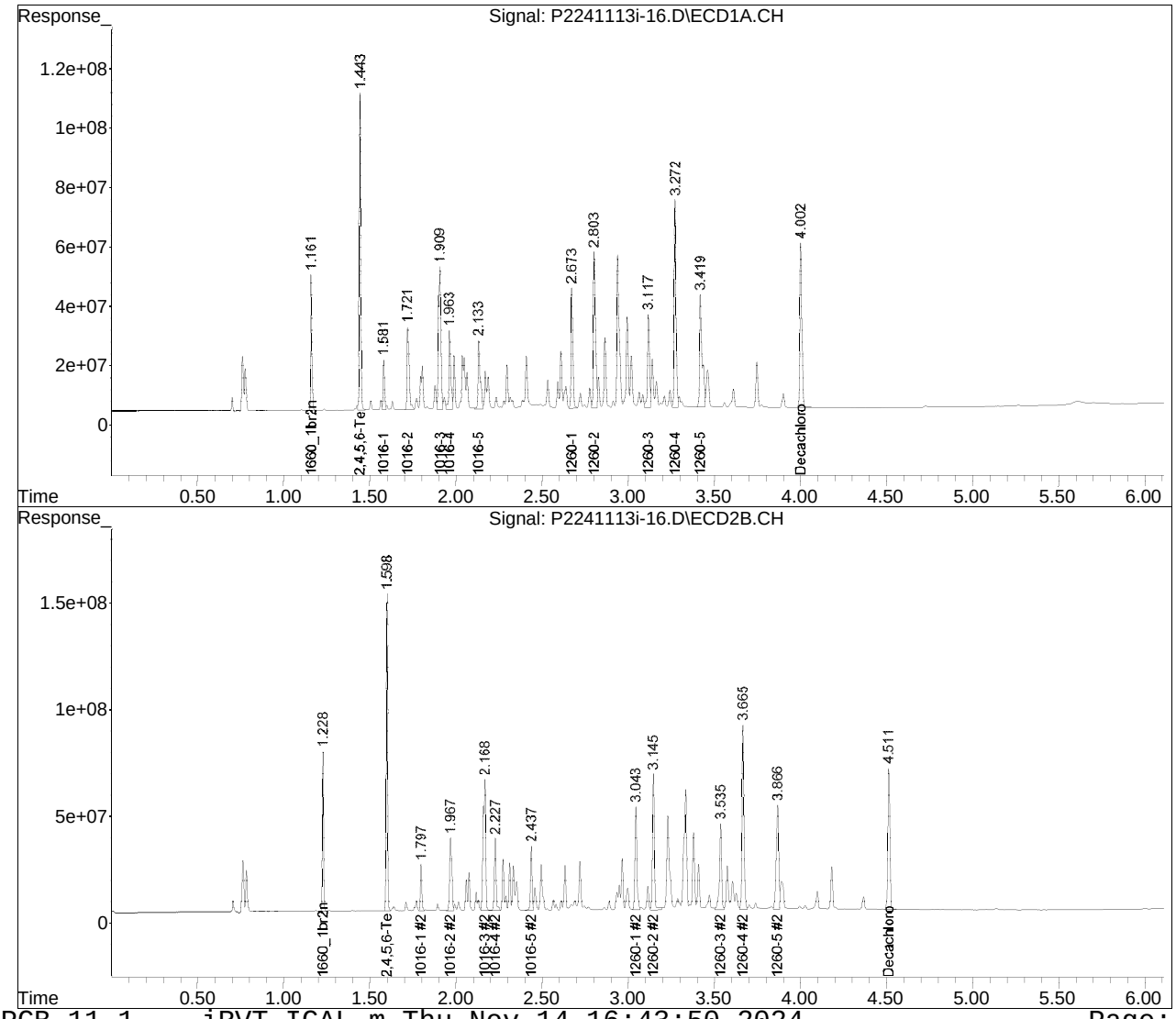
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:24
Operator : pest2:rmp
Sample : il91660,42e,,pp 11854 L500RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:17:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

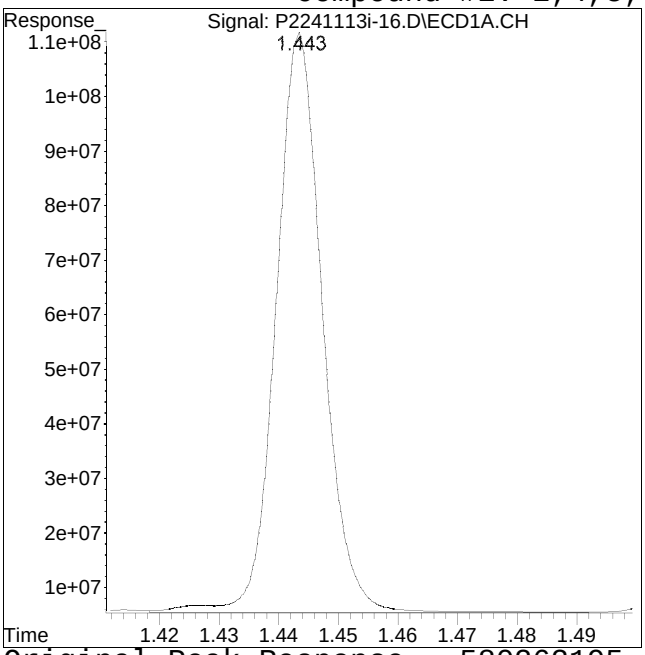
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

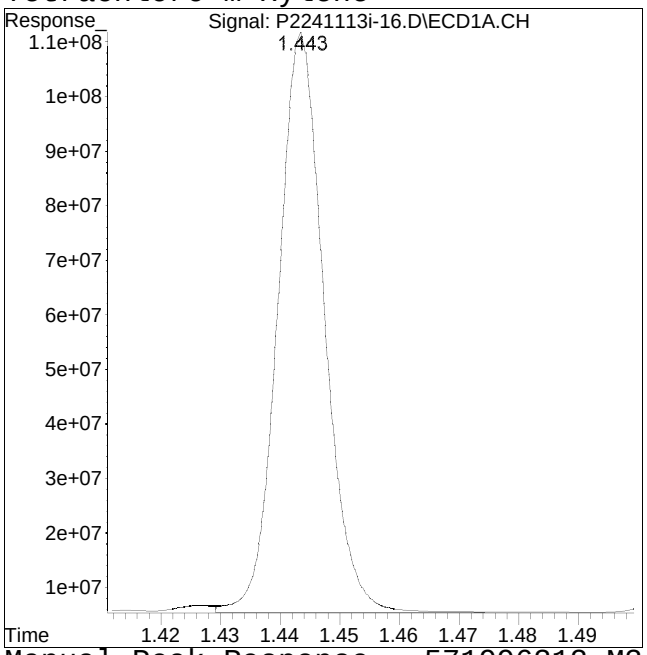


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-16.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:24 Instrument : Pest 2
Sample : il91660,42e,,pp 11854 L500Quant Date : 11/14/2024 12:17 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



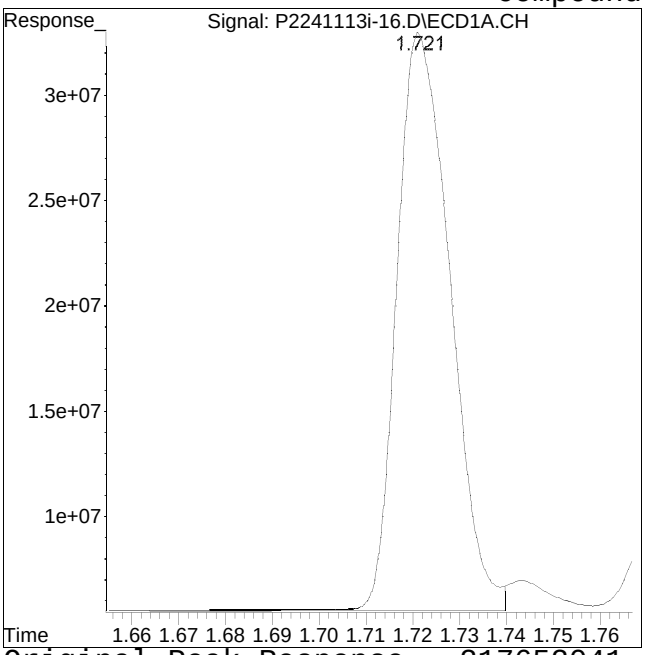


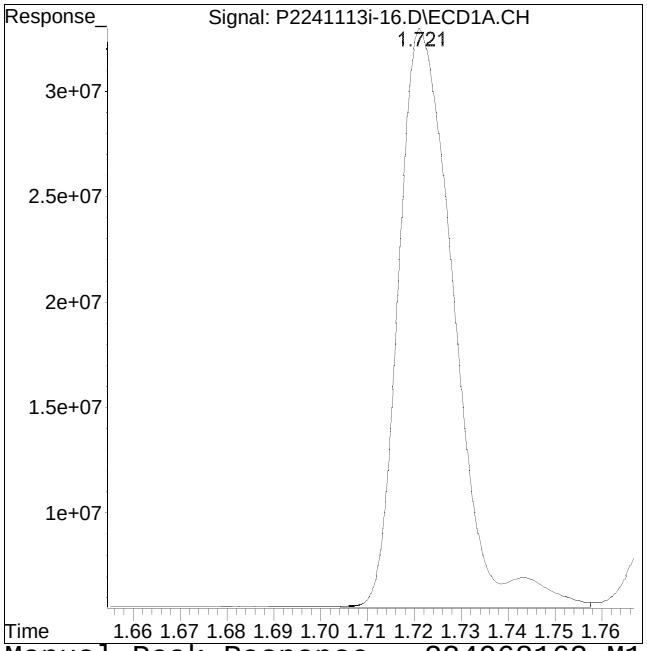
Original Peak Response = 580262195 Manual Peak Response = 571996312 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-16.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:24 Instrument : Pest 2
Sample : il91660,42e,,pp 11854 L500Quant Date : 11/14/2024 12:17 pm

Compound #5: 1016-2



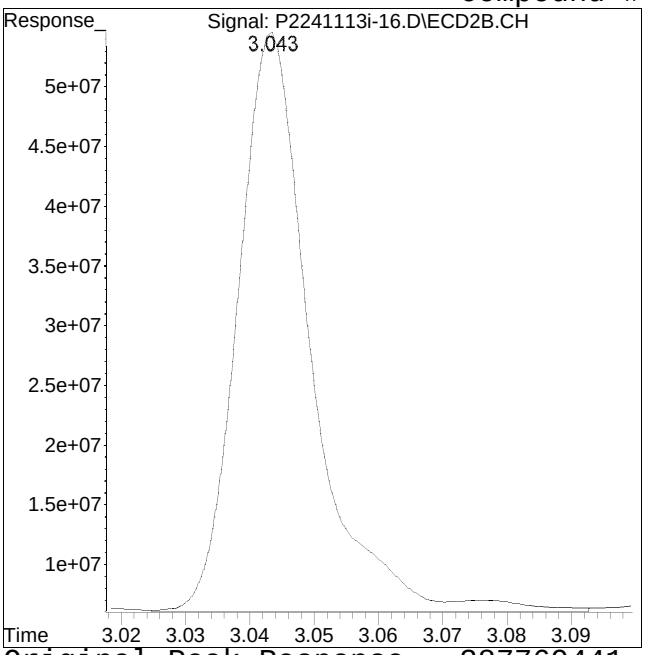


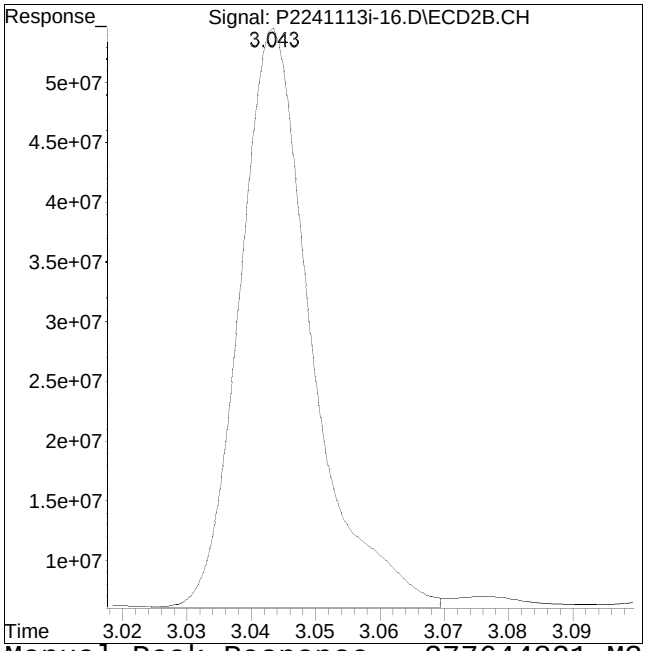
Original Peak Response = 217652041 Manual Peak Response = 224968163 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-16.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:24 Instrument : Pest 2
Sample : il91660,42e,,pp 11854 L500Quant Date : 11/14/2024 12:17 pm

Compound #60: 1260-1 #2



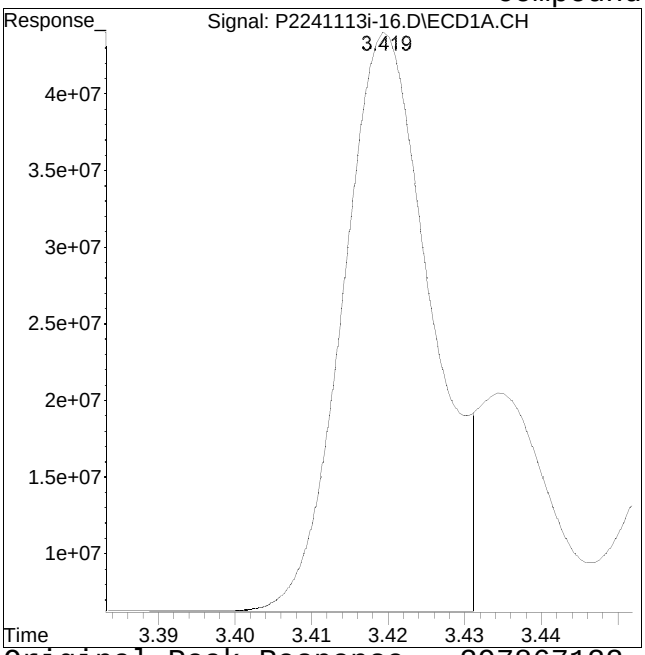


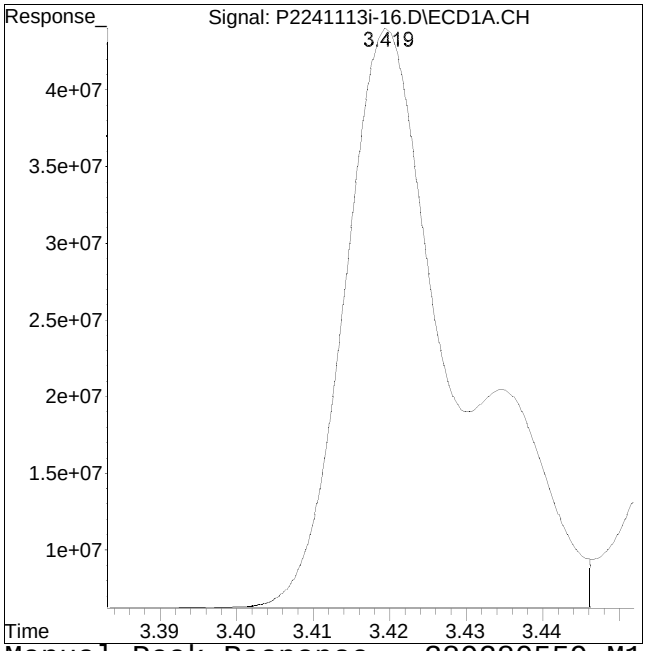
Original Peak Response = 387769441 Manual Peak Response = 377644821 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-16.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:24 Instrument : Pest 2
Sample : il91660,42e,,pp 11854 L500Quant Date : 11/14/2024 12:17 pm

Compound #13: 1260-5





Original Peak Response = 297867122 Manual Peak Response = 389280559 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\241113i\
Data File : P2241113i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:33
Operator : pest2:rmp
Sample : il101660,42e,,pp 11854 L1000RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:18:00 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:58 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	1.161	1.227	236.5E6	379.6E6	25.000M2	25.000M2
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	1.443	1.598	1134.7E6	1533.3E6	95.474M2	84.771M2
	Spiked Amount	20.000	Range 30 - 150		Recovery =	477.37%#	423.86%#
3) s	Decachlorobi	4.002	4.512	901.4E6	1023.7E6	89.552M2	79.726M2
	Spiked Amount	20.000	Range 30 - 150		Recovery =	447.76%#	398.63%#
	Target Compounds						
4) l1	1016-1	1.581	1.797	179.8E6	244.0E6	788.054M2	691.362M2
5) l1	1016-2	1.721	1.967	421.8E6	562.9E6	732.377M2	635.917M2
6) l1	1016-3	1.909	2.168	937.2E6	1215.8E6	848.005M2	760.000M2
7) l1	1016-4	1.963	2.227	383.8E6	477.8E6	811.077M2	709.561M2
8) l1	1016-5	2.132	2.437	384.9E6	376.7E6	780.601M2	546.648M2
	Sum 1016-1			2307.6E6	2877.3E6	3960.115	3343.488
	Average 1016-1					792.023	668.698
9) l2	1260-1	2.673	3.043	569.0E6	739.5E6	879.893M2	730.073M2
10) l2	1260-2	2.803	3.145	888.1E6	861.4E6	815.522M2	648.440M2

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:33
Operator : pest2:rmp
Sample : il101660,42e,,pp 11854 L1000RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:18:00 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:58 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	3.117	3.535	466.3E6	674.5E6	870.024M2	488.998M2
12) l2	1260-4	3.272	3.664	1049.9E6	1289.1E6	1018.547M2	657.811M2
13) l2	1260-5	3.420	3.866	801.3E6	954.7E6	1100.952M2	432.771M2
Sum	1260-1			3774.6E6	4519.2E6	NoCal	NoCal D
Average	1260-1					936.987	591.619 D
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					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\241113i\
Data File : P2241113i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:33
Operator : pest2:rmp
Sample : il101660,42e,,pp 11854 L1000RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:18:00 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:58 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\241113i\
Data File : P2241113i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:33
Operator : pest2:rmp
Sample : il101660,42e,,pp 11854 L1000RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:18:00 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:58 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

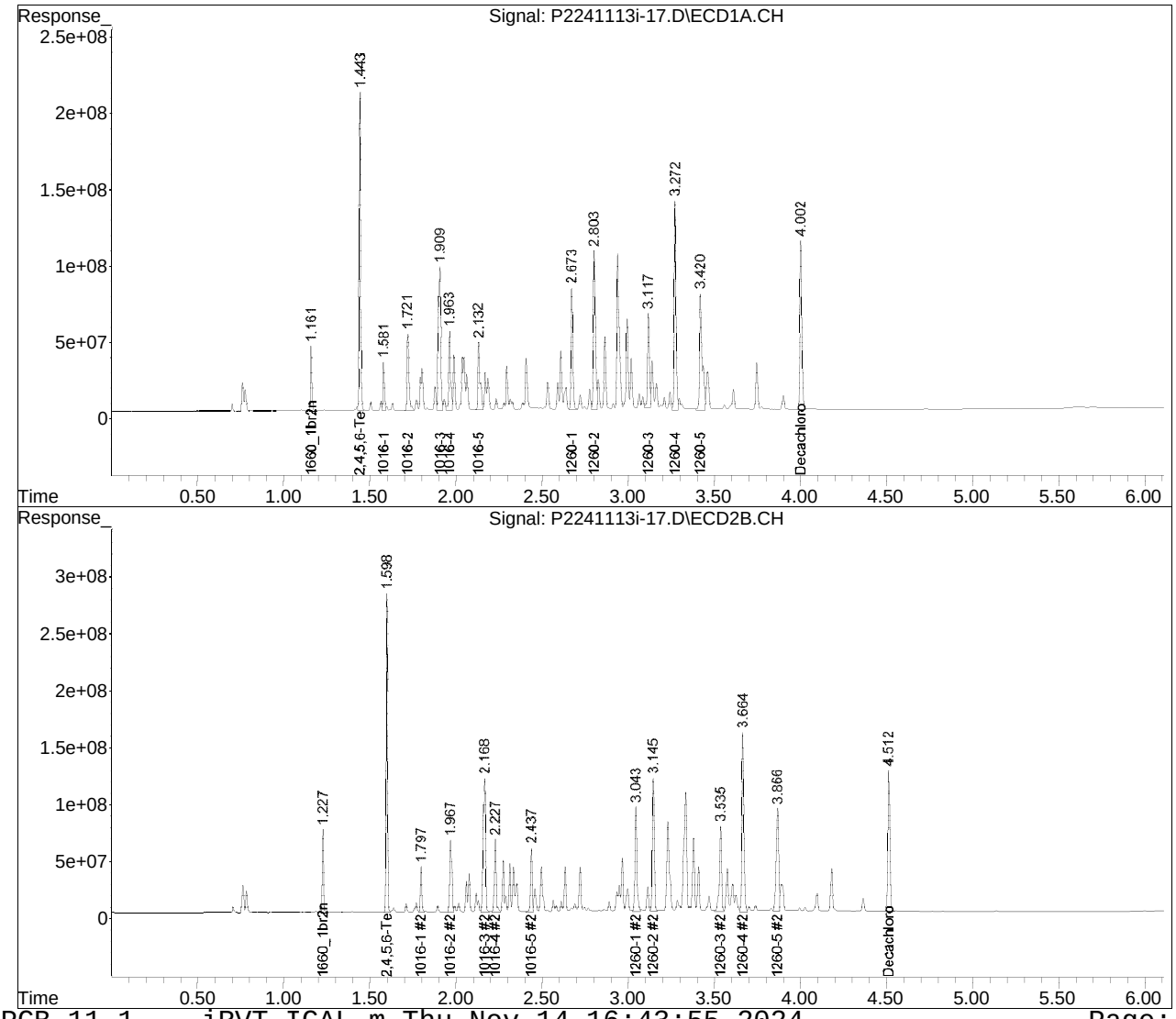
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:33
Operator : pest2:rmp
Sample : il101660,42e,,pp 11854 L1000RVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 12:18:00 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 12:17:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

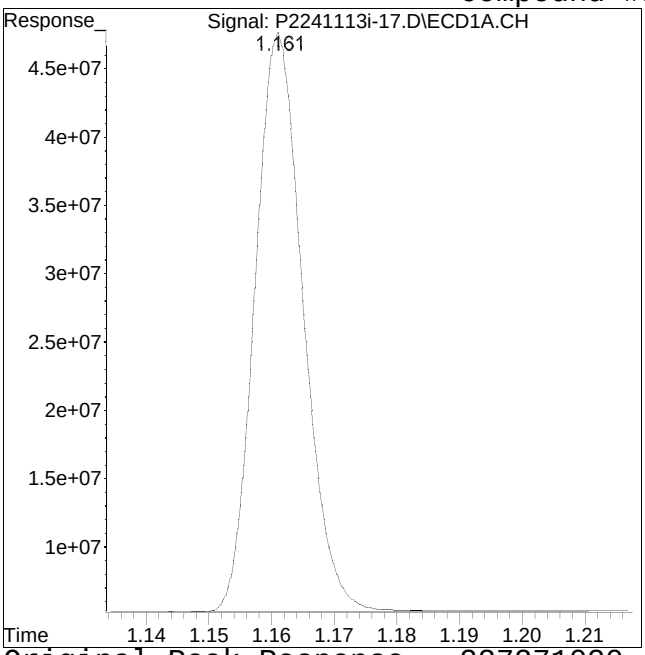
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

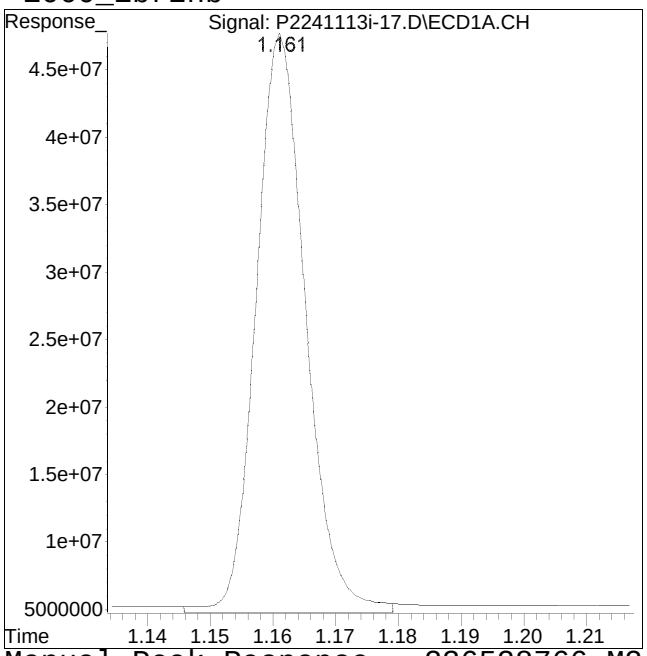


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #1: 1660_1br2nb



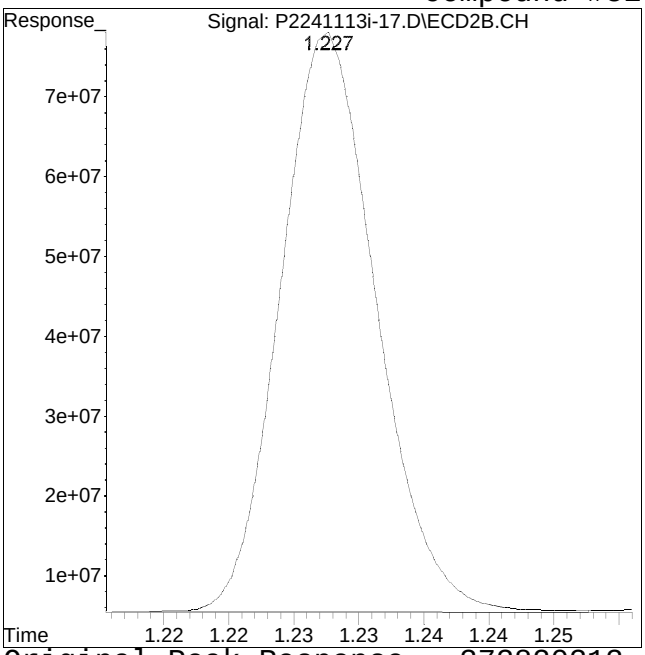


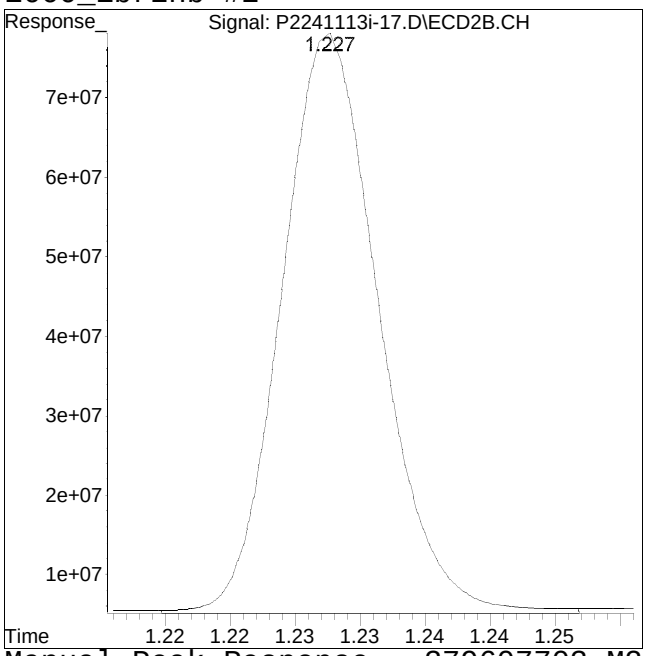
Original Peak Response = 227271020 Manual Peak Response = 236528766 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #52: 1660_1br2nb #2



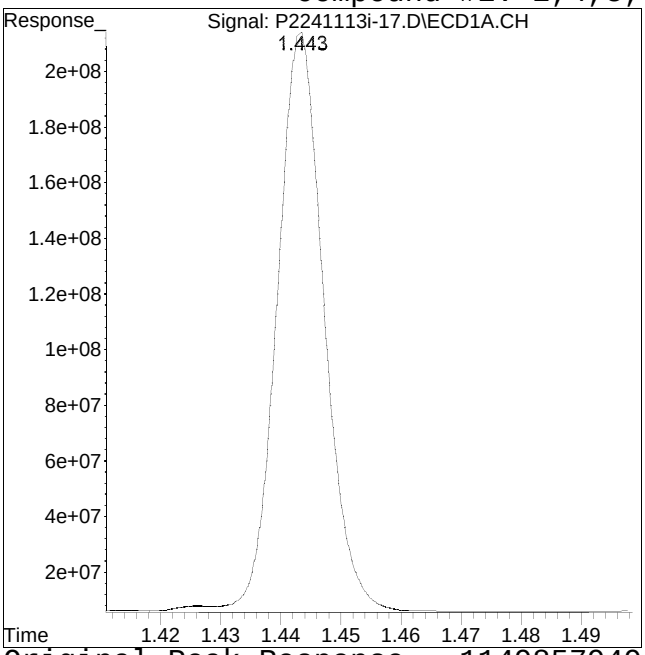


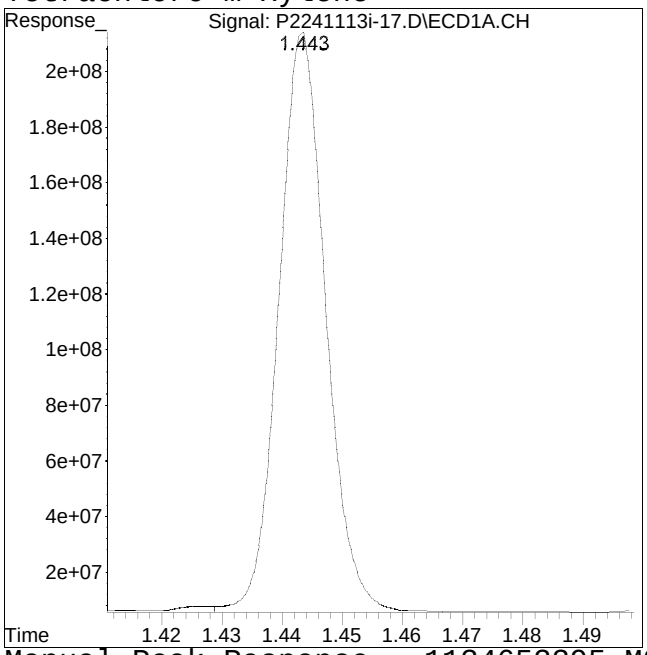
Original Peak Response = 373820313 Manual Peak Response = 379607703 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



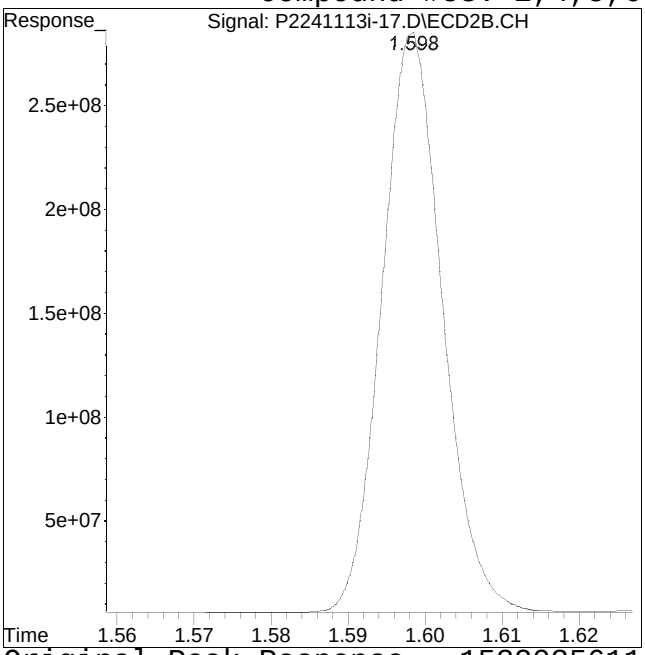


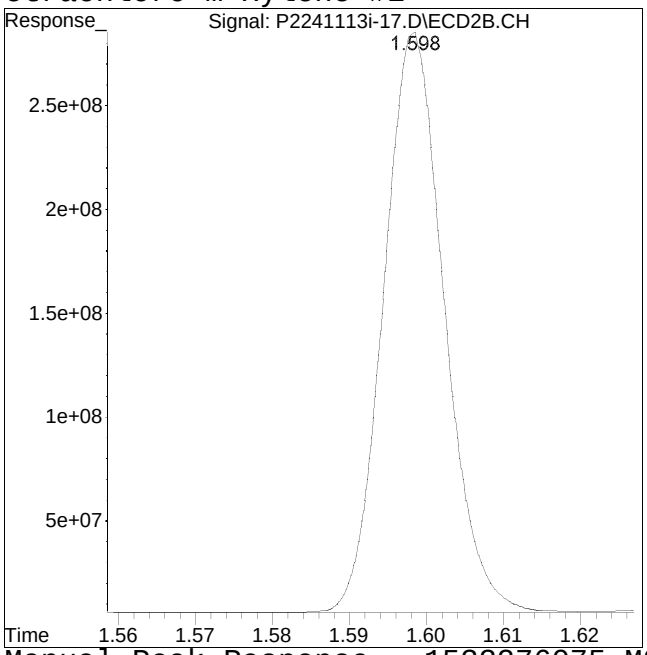
Original Peak Response = 1149857949 Manual Peak Response = 1134653395 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



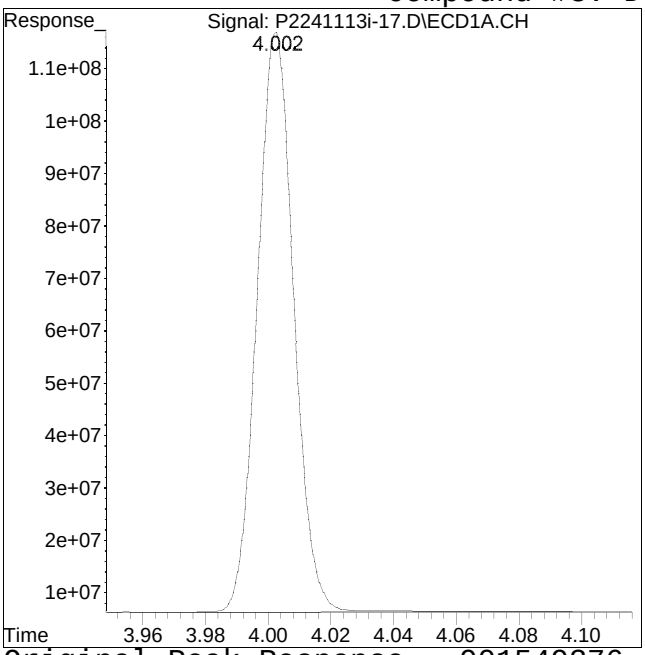


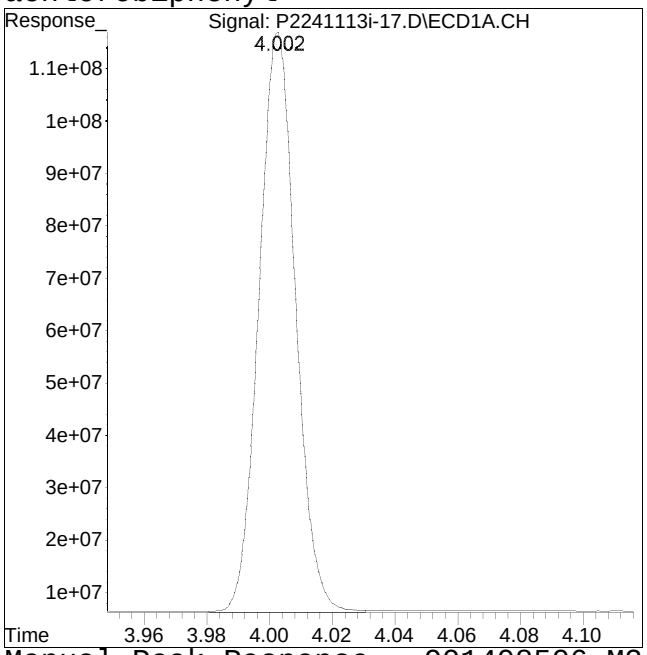
Original Peak Response = 1532035611 Manual Peak Response = 1533276075 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #3: Decachlorobiphenyl



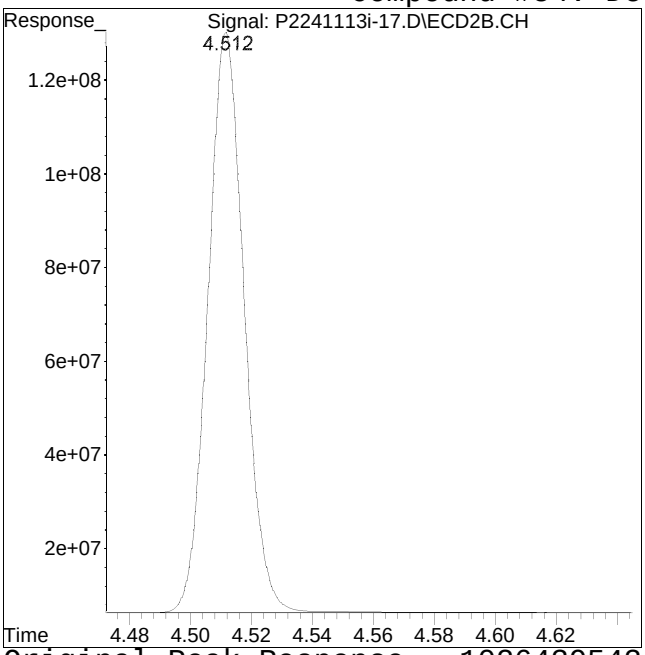


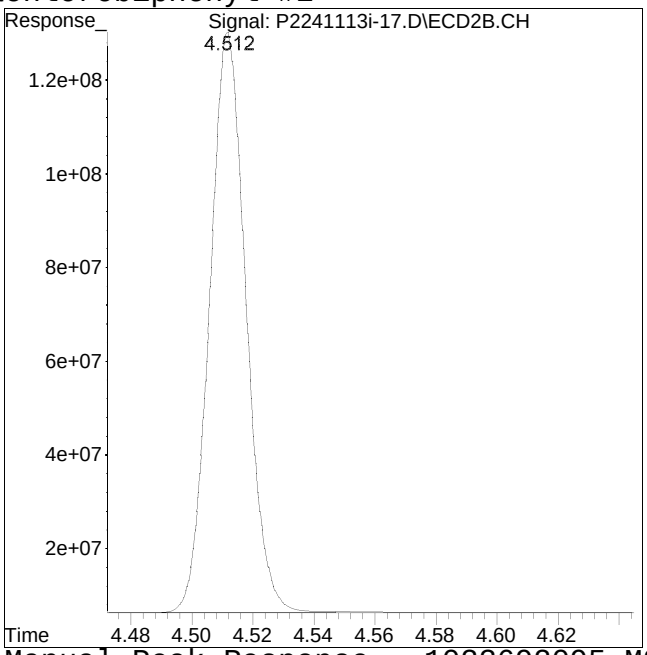
Original Peak Response = 901549376 Manual Peak Response = 901408506 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #54: Decachlorobiphenyl #2



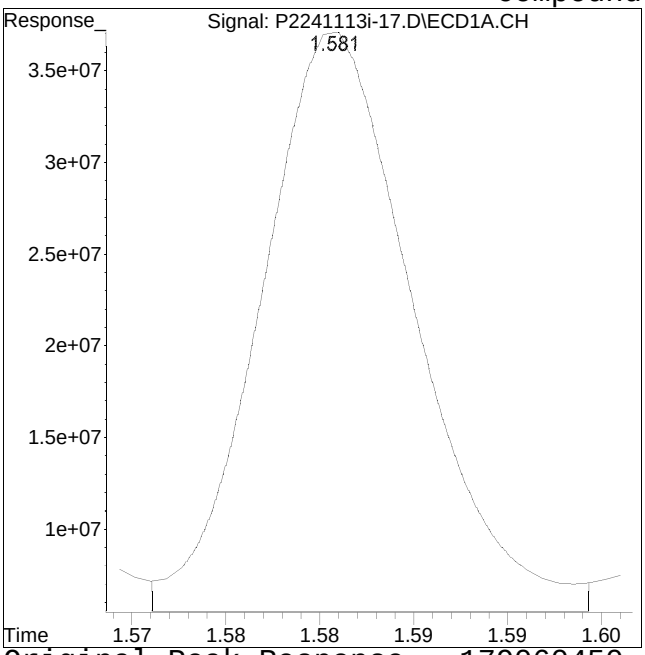


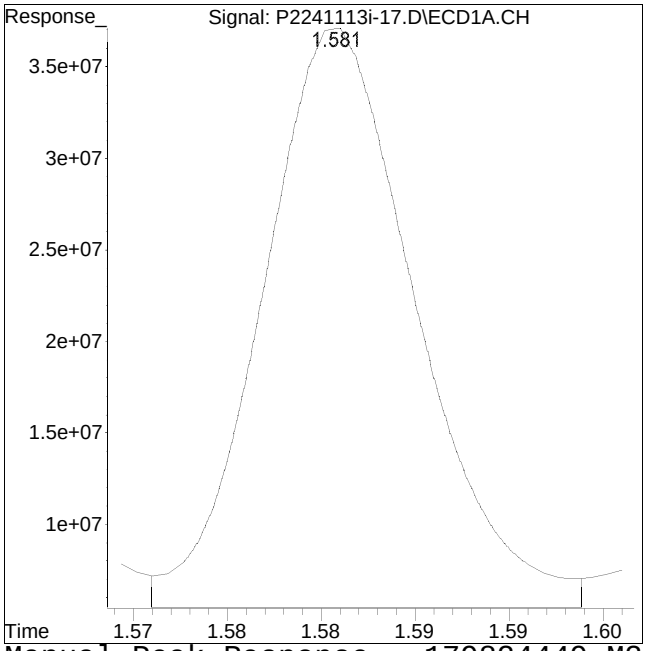
Original Peak Response = 1026439543 Manual Peak Response = 1023692095 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #4: 1016-1



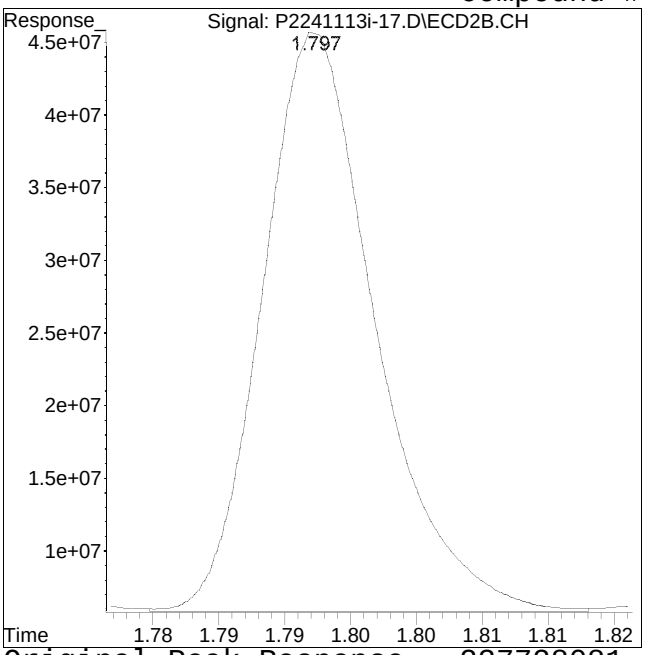


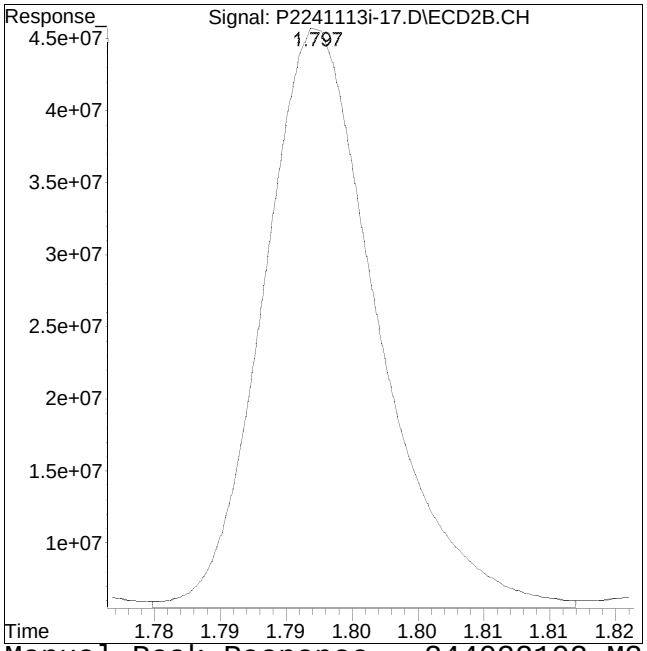
Original Peak Response = 179060450 Manual Peak Response = 179824449 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #55: 1016-1 #2



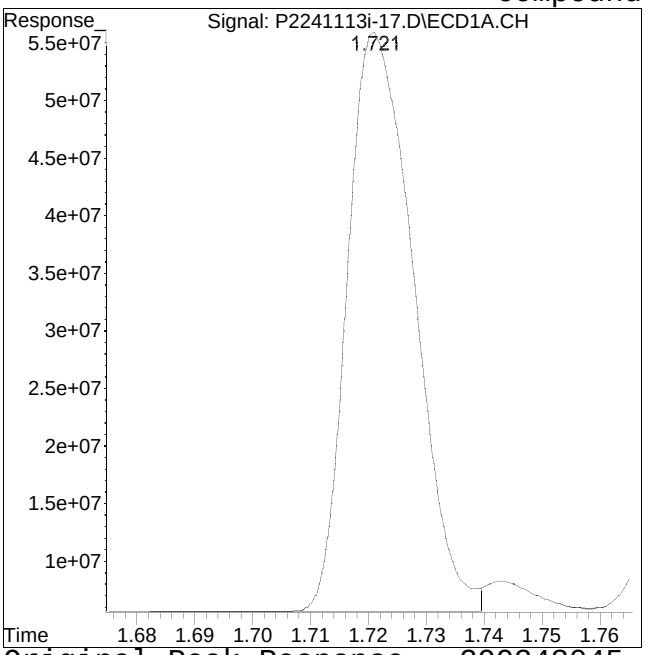


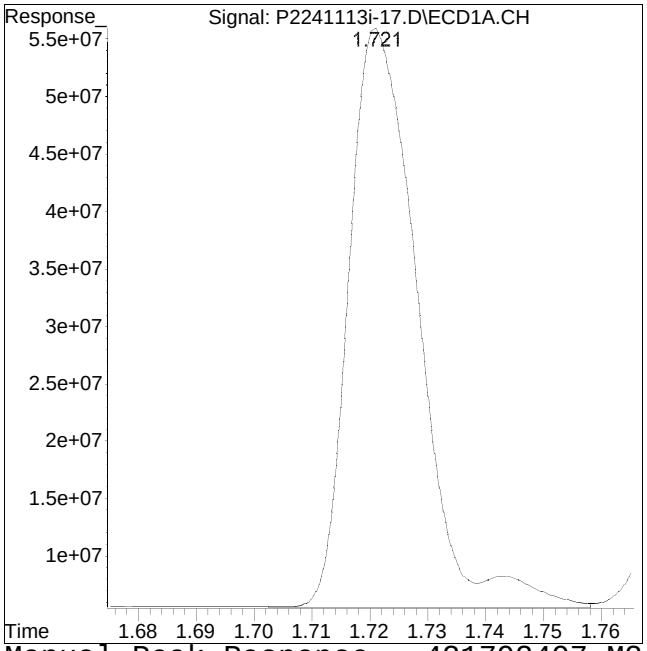
Original Peak Response = 237728081 Manual Peak Response = 244022192 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #5: 1016-2



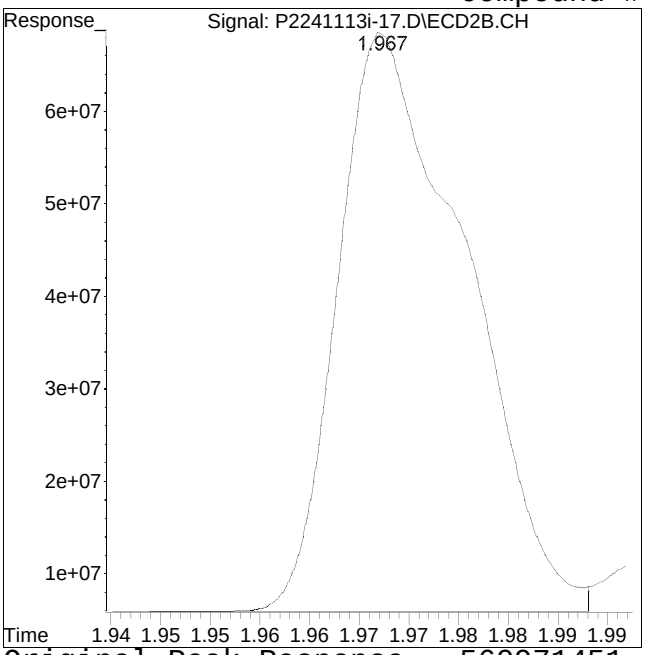


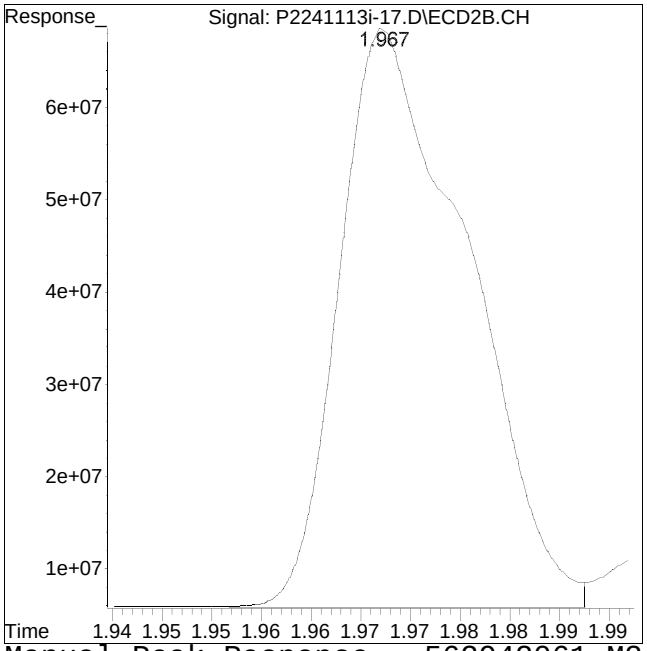
Original Peak Response = 399343045 Manual Peak Response = 421792497 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #56: 1016-2 #2



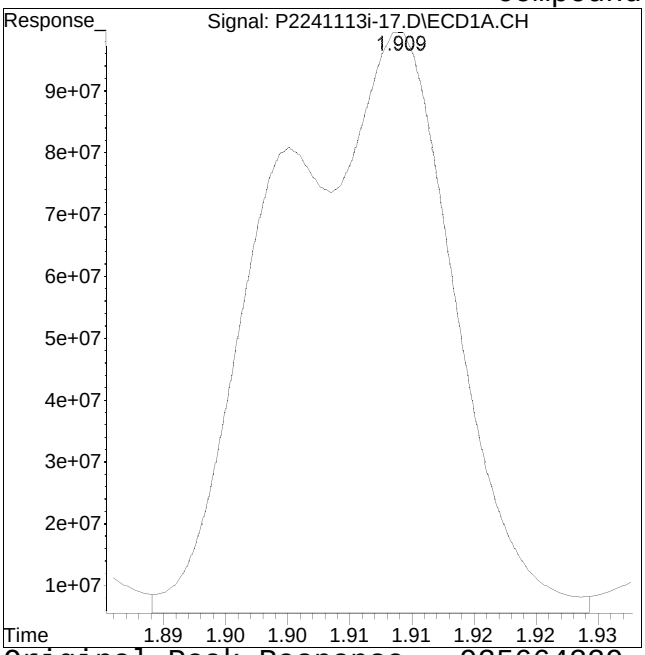


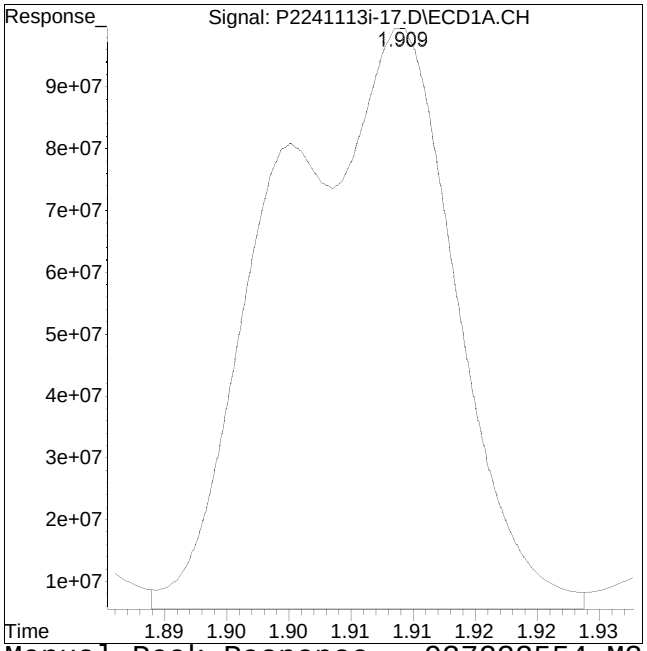
Original Peak Response = 560971451 Manual Peak Response = 562942061 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #6: 1016-3



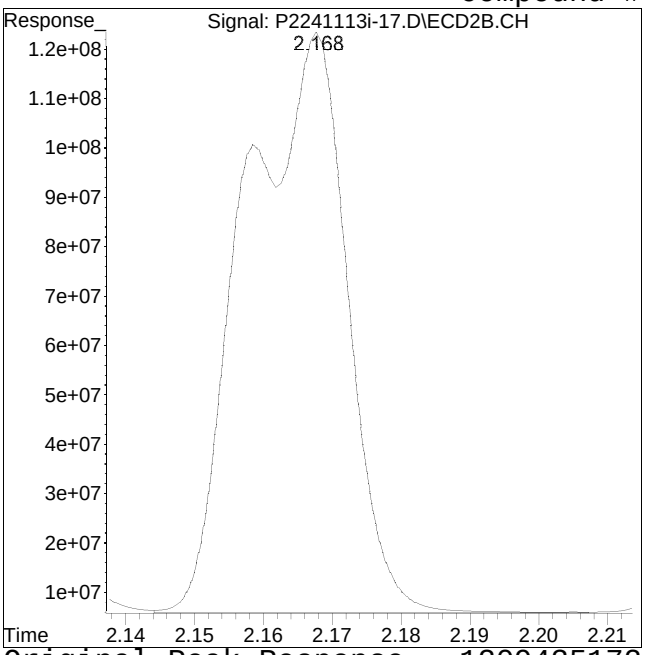


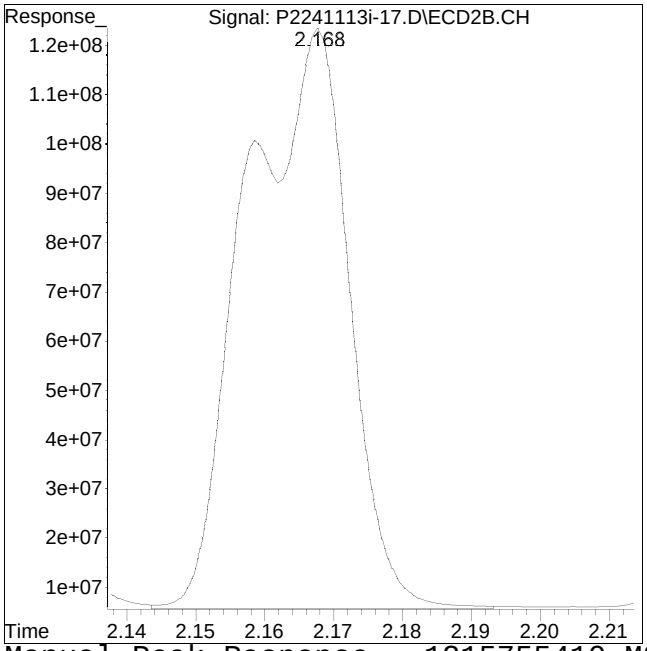
Original Peak Response = 935664329 Manual Peak Response = 937233554 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #57: 1016-3 #2



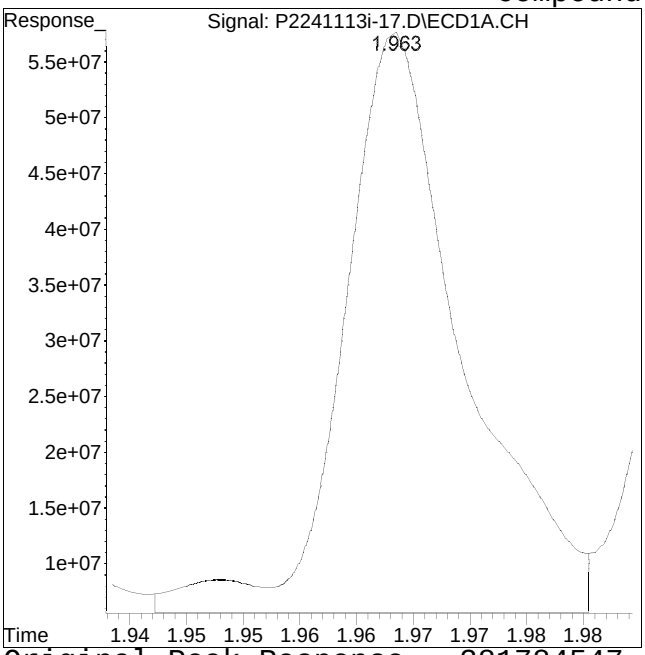


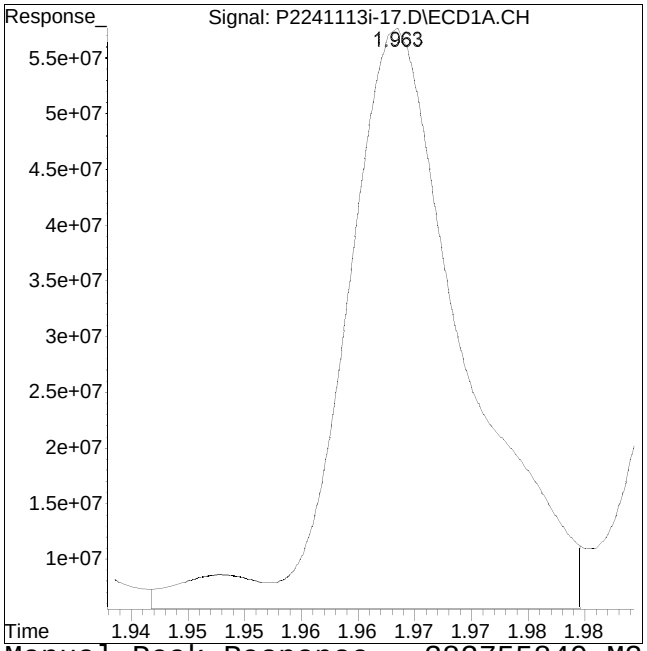
Original Peak Response = 1209435172 Manual Peak Response = 1215755410 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #7: 1016-4



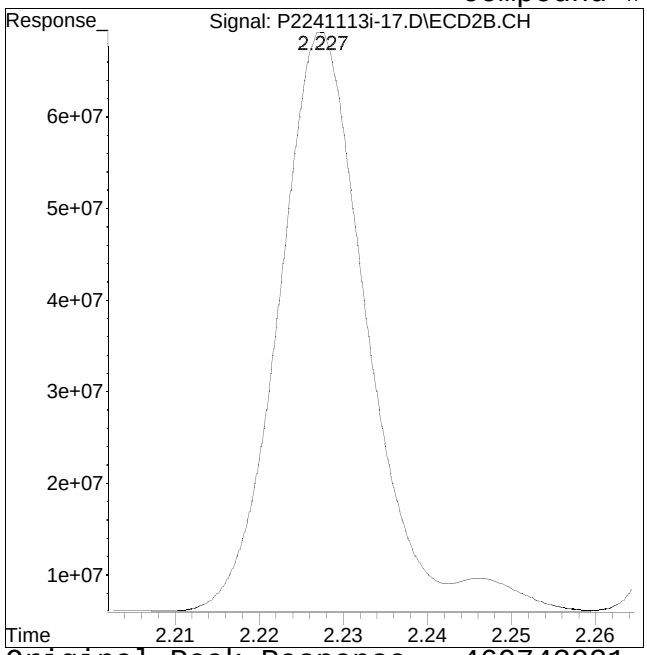


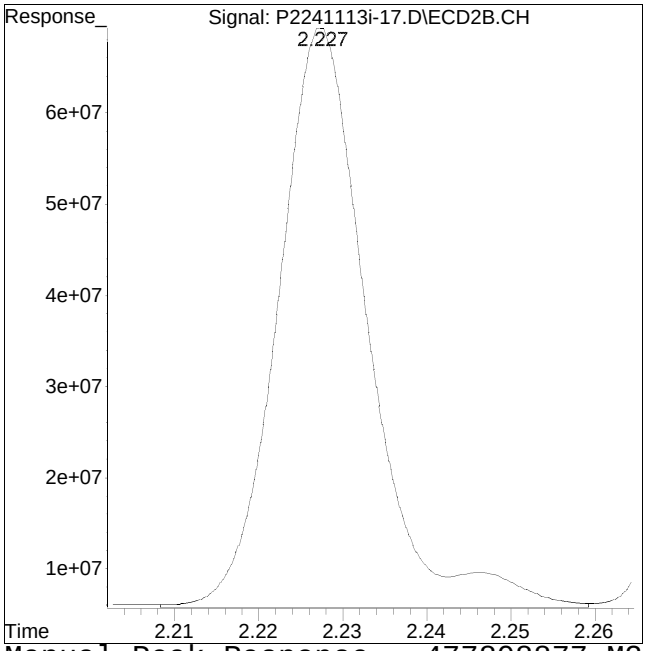
Original Peak Response = 381784547 Manual Peak Response = 383755840 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #58: 1016-4 #2



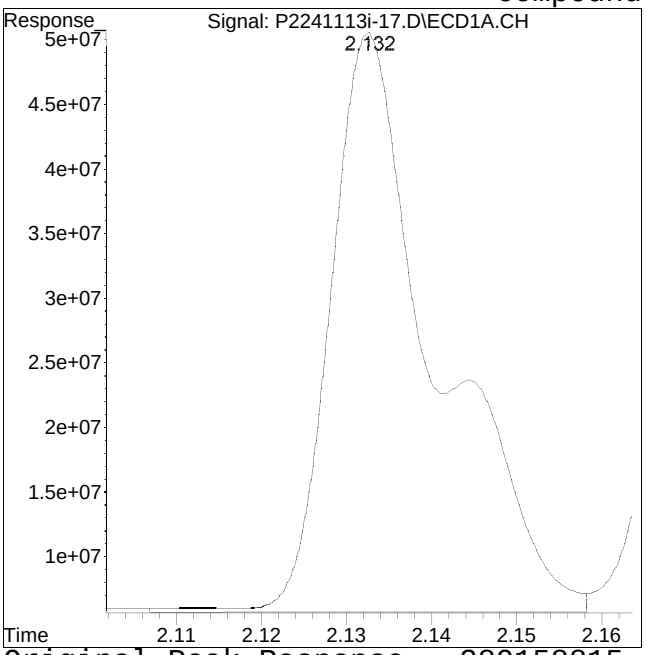


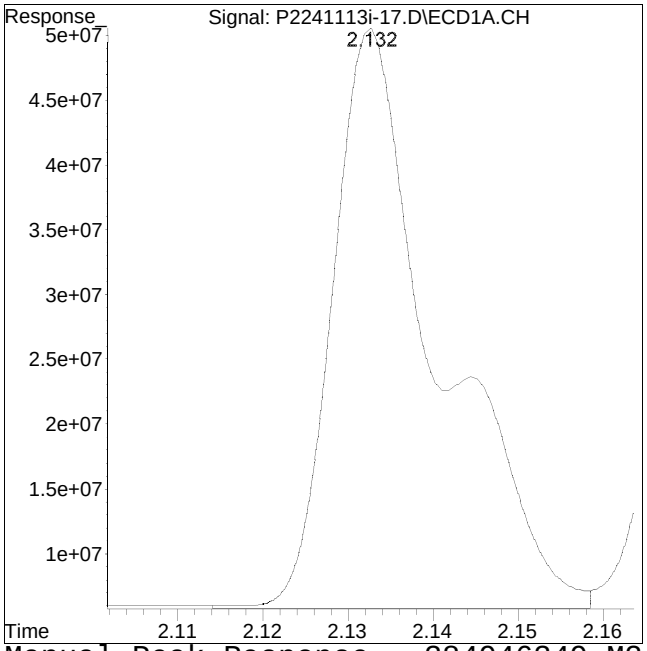
Original Peak Response = 469742931 Manual Peak Response = 477808877 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #8: 1016-5



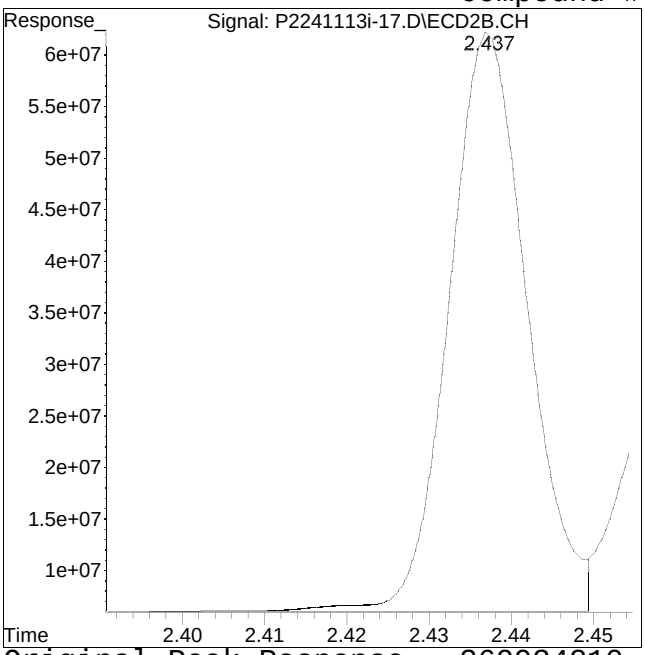


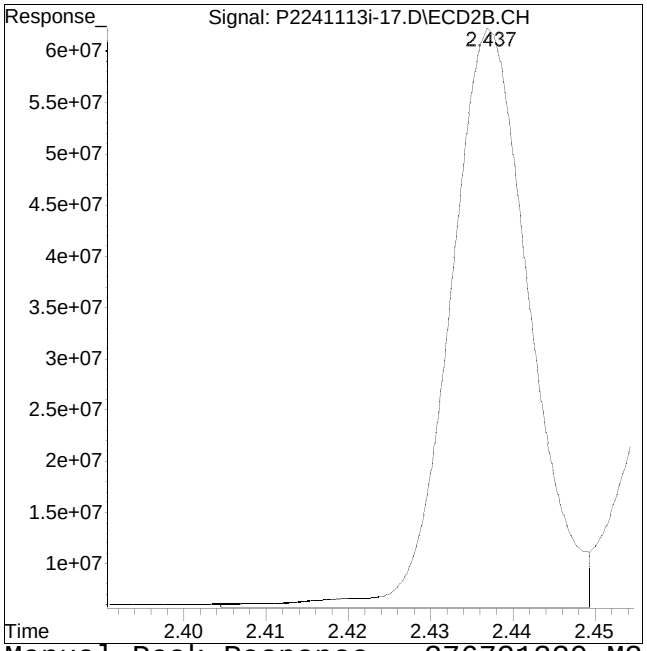
Original Peak Response = 389158815 Manual Peak Response = 384946349 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #59: 1016-5 #2



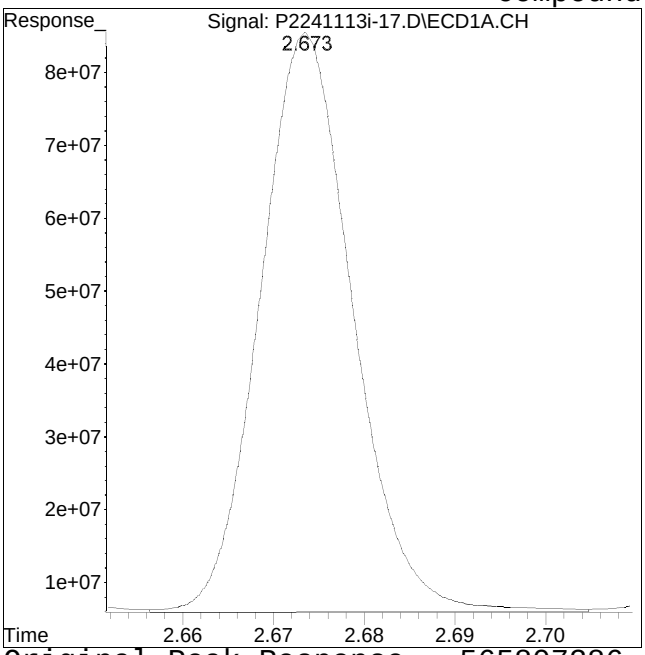


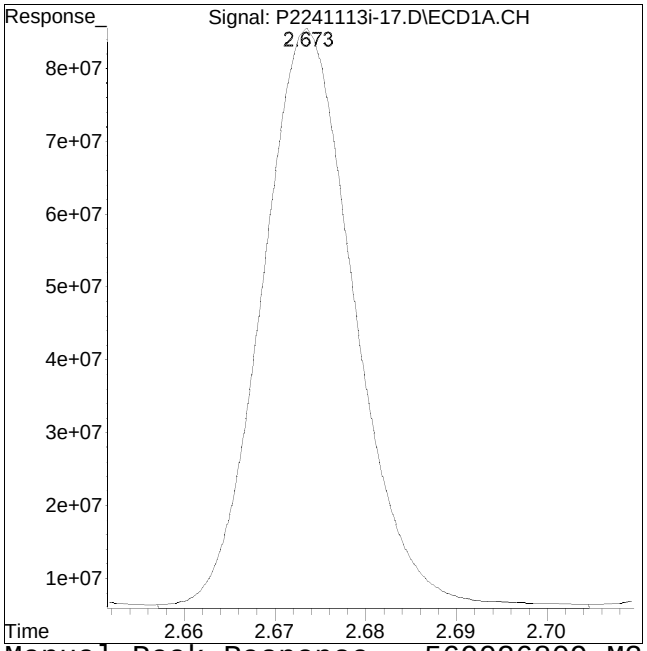
Original Peak Response = 369934210 Manual Peak Response = 376731330 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #9: 1260-1



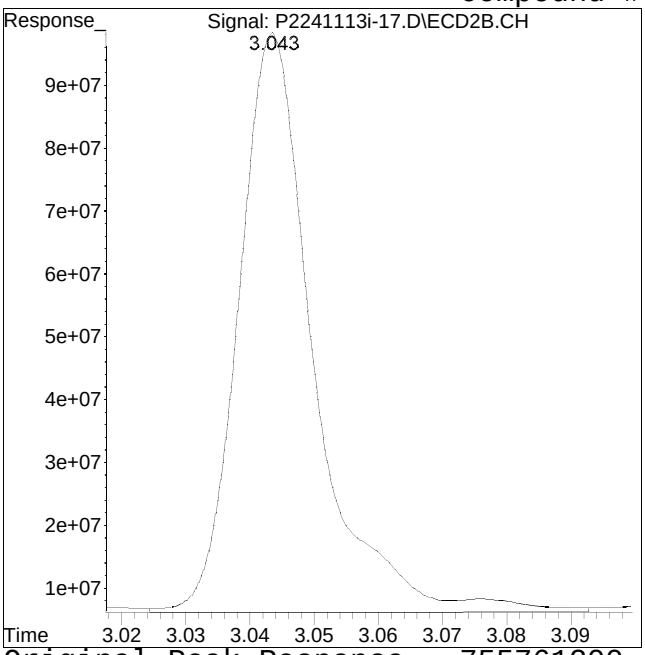


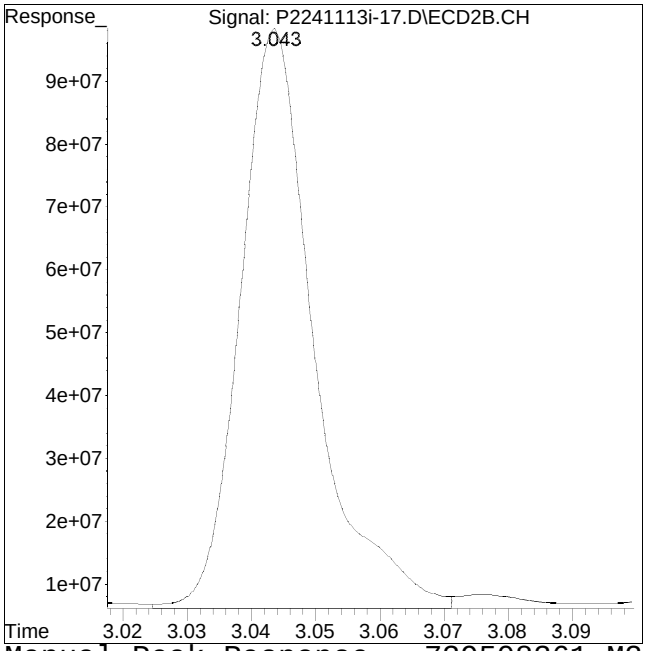
Original Peak Response = 565807386 Manual Peak Response = 569026809 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #60: 1260-1 #2



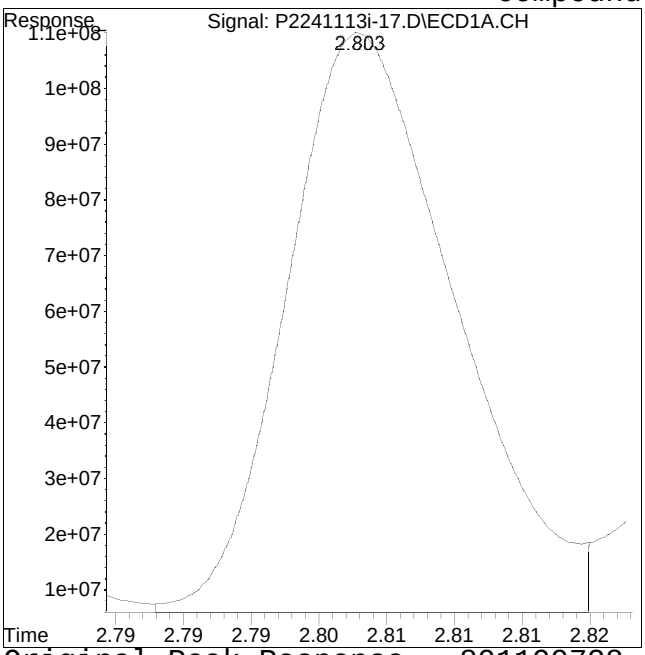


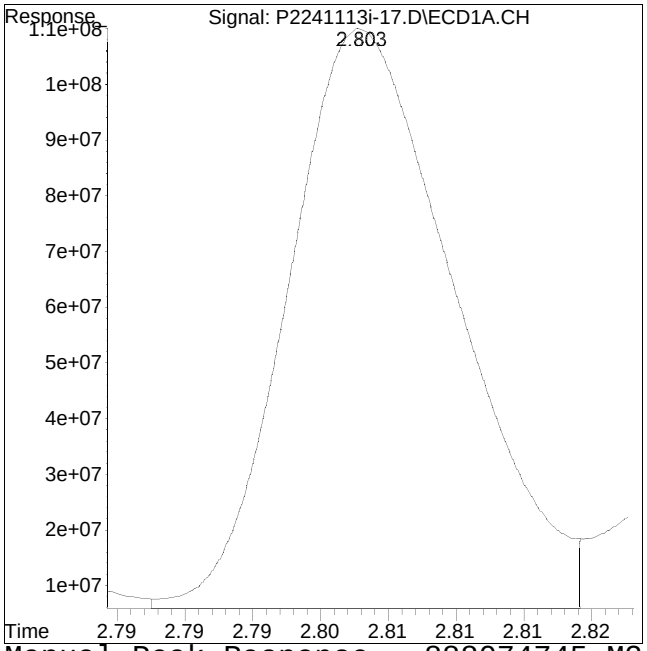
Original Peak Response = 755761200 Manual Peak Response = 739508361 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #10: 1260-2



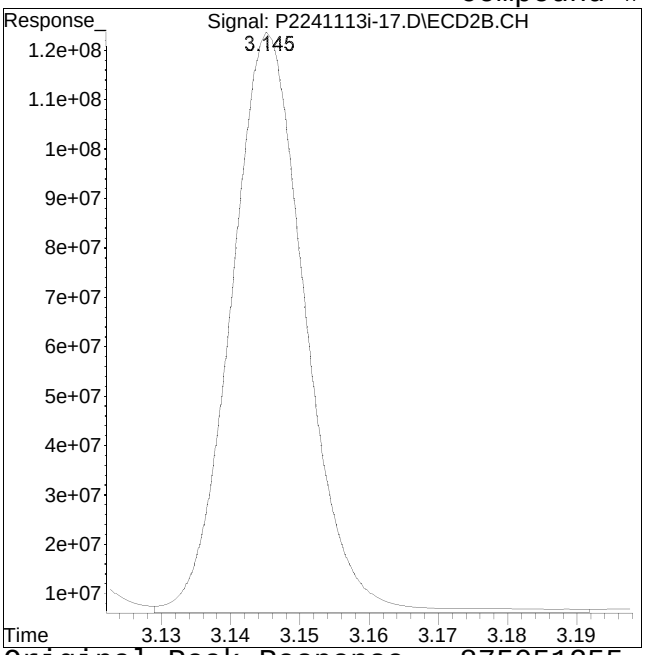


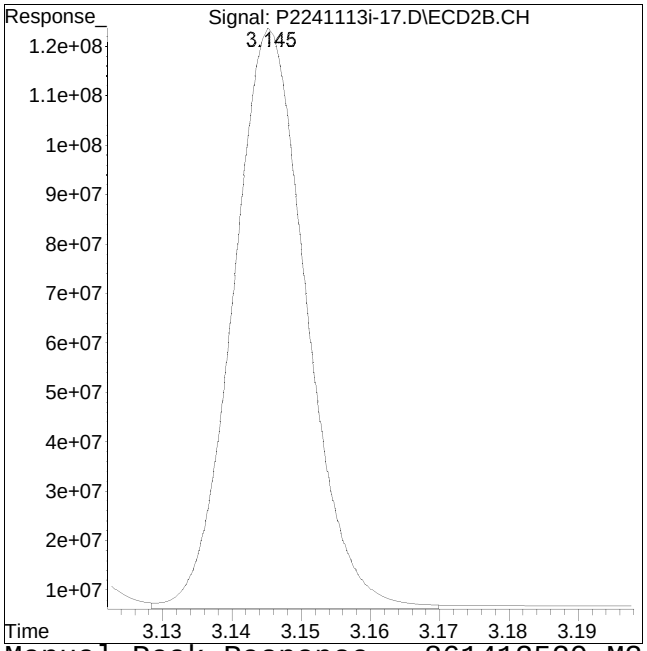
Original Peak Response = 891199728 Manual Peak Response = 888074745 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #61: 1260-2 #2



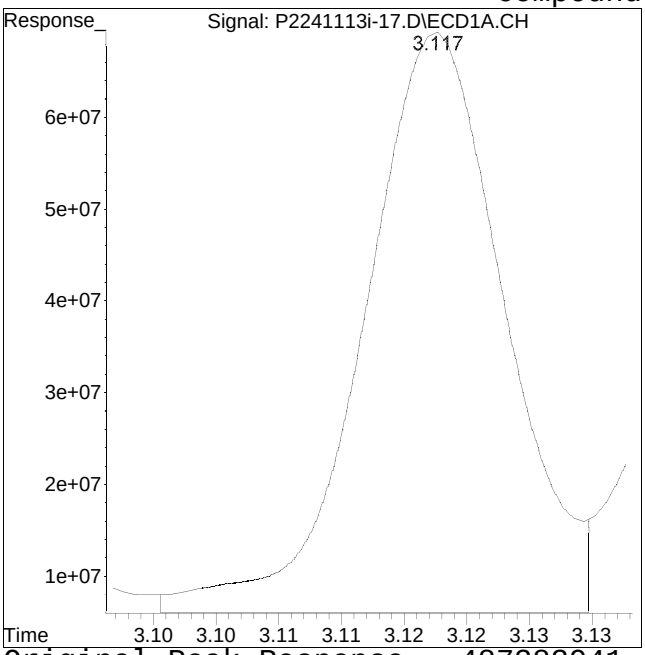


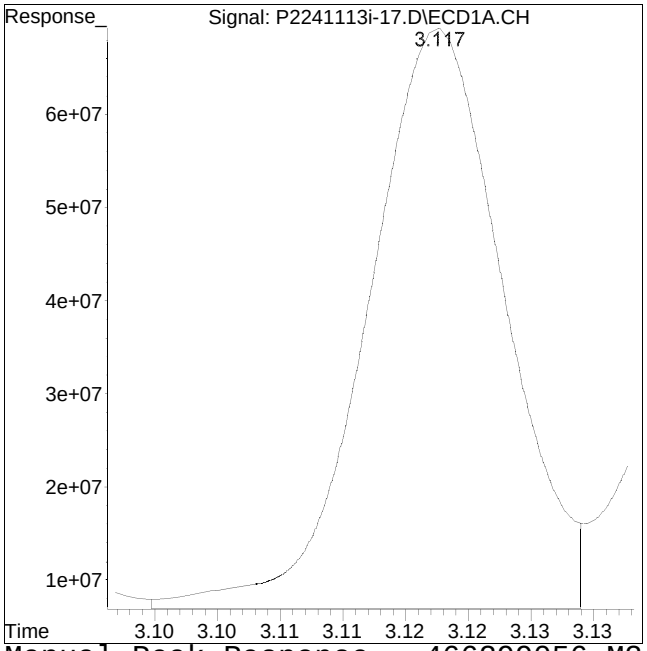
Original Peak Response = 875051255 Manual Peak Response = 861413520 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #11: 1260-3



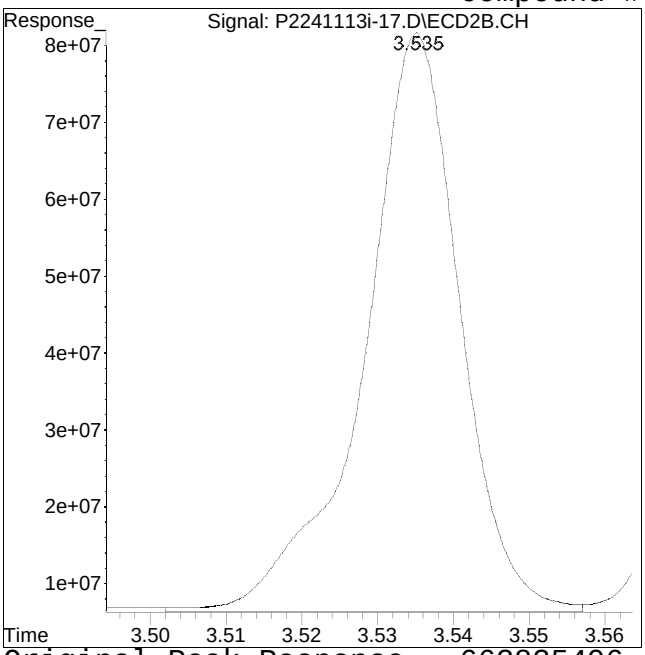


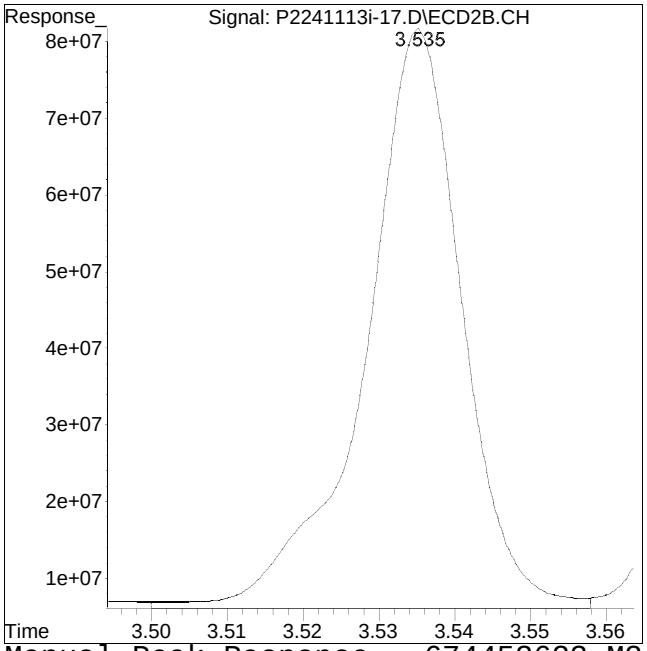
Original Peak Response = 487383941 Manual Peak Response = 466299056 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #62: 1260-3 #2



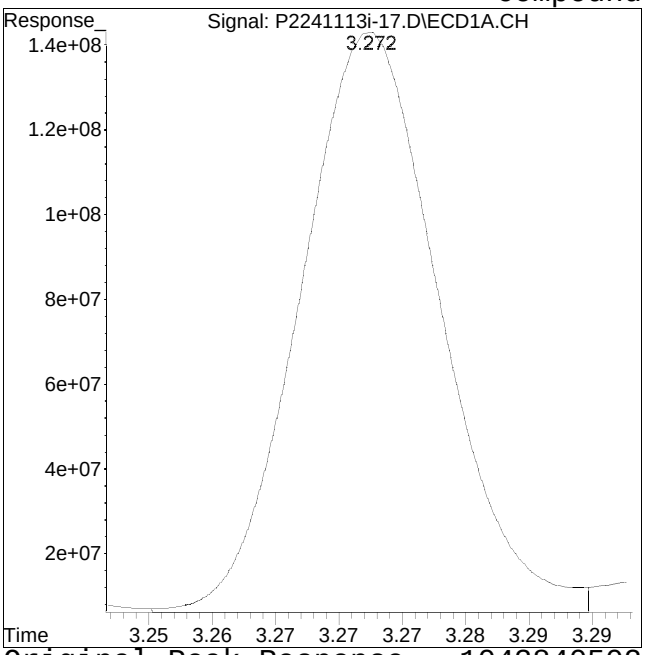


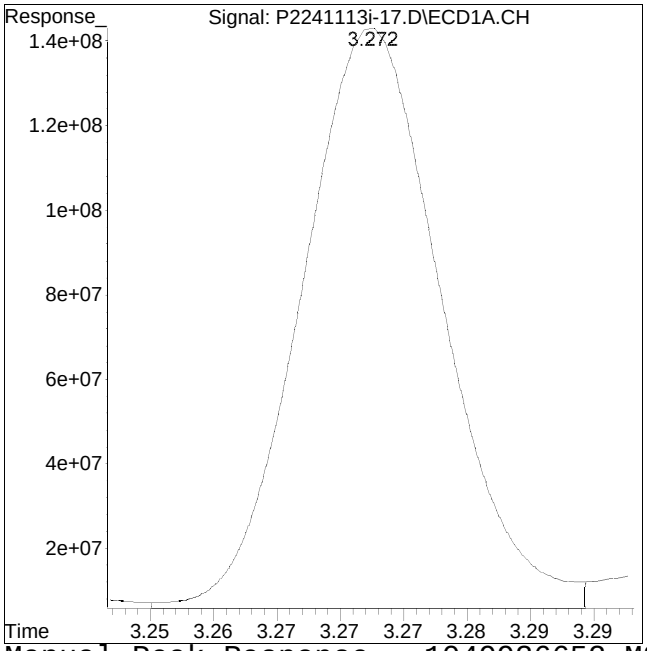
Original Peak Response = 663835496 Manual Peak Response = 674453623 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #12: 1260-4



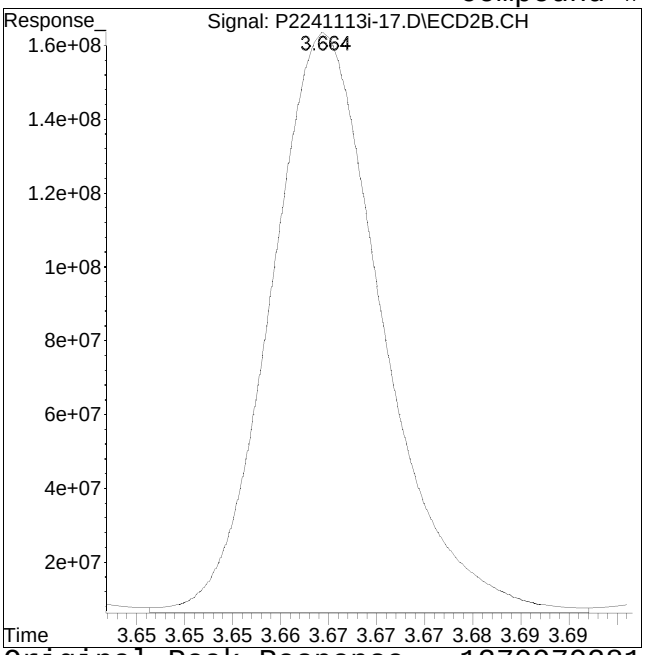


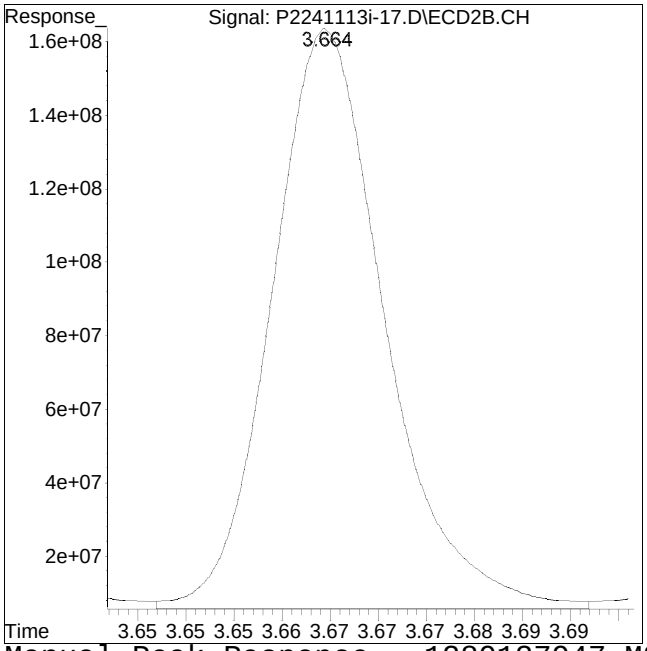
Original Peak Response = 1043840502 Manual Peak Response = 1049936652 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #63: 1260-4 #2



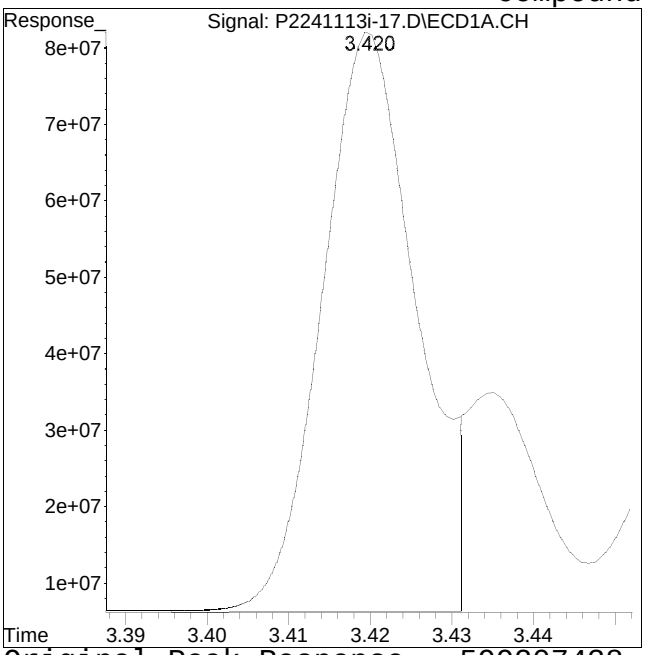


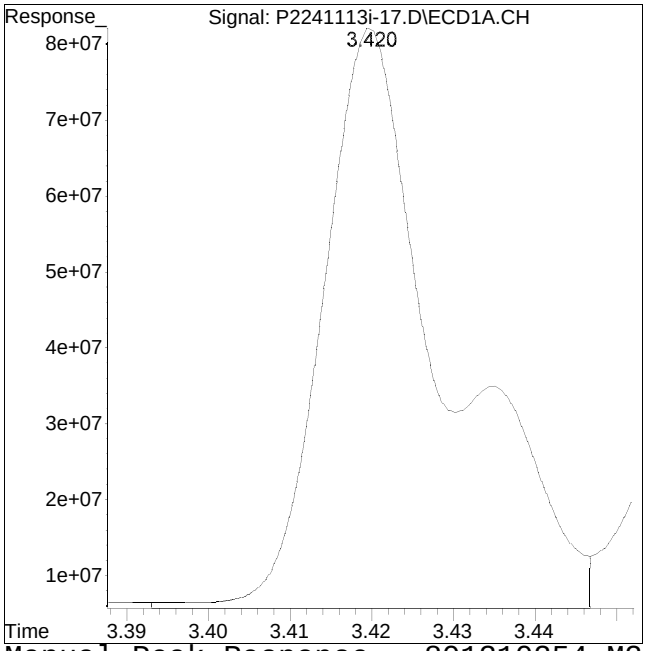
Original Peak Response = 1270979281 Manual Peak Response = 1289137947 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #13: 1260-5



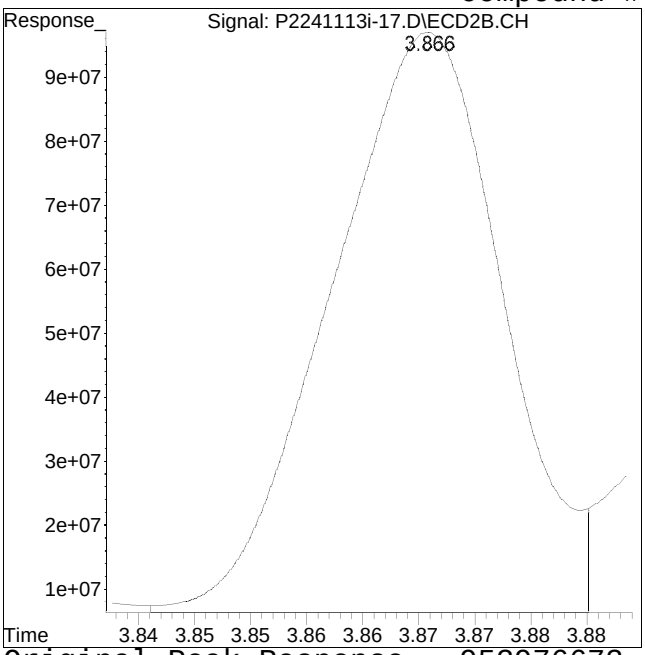


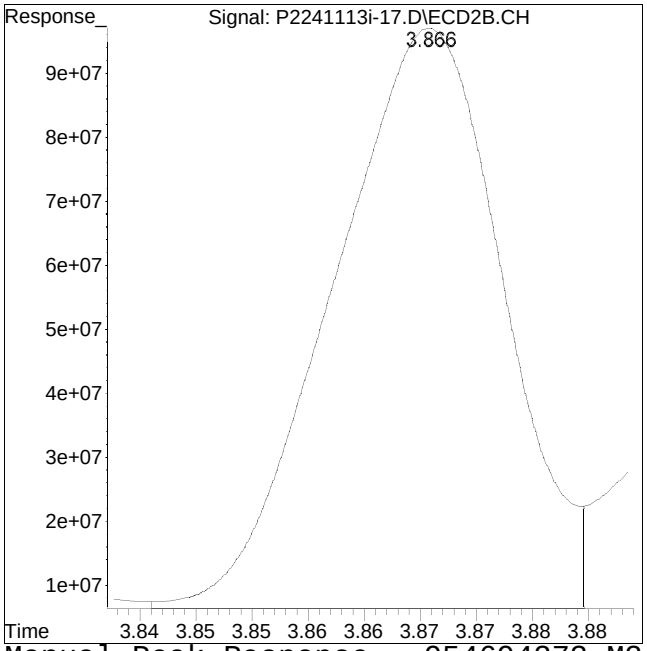
Original Peak Response = 599207438 Manual Peak Response = 801310254 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-17.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:33 Instrument : Pest 2
Sample : il101660,42e,,pp 11854 L10Quant Date : 11/14/2024 12:18 pm

Compound #64: 1260-5 #2





Original Peak Response = 953976673 Manual Peak Response = 954694273 M2
M2 = Peak not found by automatic integration algorithm.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 21:42
Operator : pest2:rmp
Sample   : cicv4268,42e,,pp 11865 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:54 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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		1.176	1.003	14.7	84	0.00
3	s	Decachlorobiphenyl		1.011	1.534	-51.7#	157#	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	96	0.00
24	l6	1242-1		0.016	0.017	-6.3	101	0.00
25	l6	1242-2		0.036	0.038	-5.6	101	0.00
26	l6	1242-3		0.073	0.076	-4.1	100	0.00
27	l6	1242-4		0.030	0.032	-6.7	102	0.00
28	l6	1242-5		0.024	0.025	-4.2	101	0.00
29	l9	1268-1		0.172	0.165	4.1	92	0.00
30	l9	1268-2		0.152	0.153	-0.7	97	0.00
31	l9	1268-3		0.114	0.125	-9.6	106	0.00
32	l9	1268-4		0.049	0.056	-14.3	109	0.00
33	l9	1268-5		0.332	0.385	-16.0	112	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	99	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		1.064	0.869	18.3	85	0.00
3	s	Decachlorobiphenyl		0.785	1.096	-39.6#	158#	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 21:42
Operator : pest2:rmp
Sample   : cicv4268,42e,,pp 11865 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:54 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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	103	0.00
24	l6	1242-1		0.015	0.014		6.7	100	0.00
25	l6	1242-2		0.033	0.033		0.0	101	0.00
26	l6	1242-3		0.064	0.065		-1.6	105	0.00
27	l6	1242-4		0.025	0.026		-4.0	105	0.00
28	l6	1242-5		0.021	0.021		0.0	101	0.00
29	l9	1268-1		0.129	0.130		-0.8	104	0.00
30	l9	1268-2		0.113	0.117		-3.5	107	0.00
31	l9	1268-3		0.082	0.093		-13.4	117	0.00
32	l9	1268-4		0.038	0.043		-13.2	117	0.00
33	l9	1268-5		0.233	0.280		-20.2#	124	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	105	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.021	0.000		100.0#	0#	-1.58#
5	l1	1016-2		0.050	0.000		100.0#	0#	-1.72#
6	l1	1016-3		0.101	0.000		100.0#	0#	-1.91#
7	l1	1016-4		0.044	0.000		100.0#	0#	-1.96#
8	l1	1016-5		0.045	0.000		100.0#	0#	-2.13#
9	l2	1260-1		0.064	0.000		100.0#	0#	-2.67#
10	l2	1260-2		0.101	0.000		100.0#	0#	-2.80#
11	l2	1260-3		0.055	0.000		100.0#	0#	-3.12#
12	l2	1260-4		0.110	0.000		100.0#	0#	-3.27#
13	l2	1260-5		0.083	0.000		100.0#	0#	-3.42#
15	l3	1221-1		108.153	0.000	E3	100.0#	0#	-1.51#
16	l3	1221-2		65.434	0.000	E3	100.0#	0#	-1.56#
17	l3	1221-3		273.972	0.000	E3	100.0#	0#	-1.58#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 21:42
Operator : pest2:rmp
Sample   : cicv4268,42e,,pp 11865 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:54 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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	396.334	0.000 E3	100.0#	0#	-2.30#
19 l4	1254-2	790.239	0.000 E3	100.0#	0#	-2.41#
20 l4	1254-3	723.696	0.000 E3	100.0#	0#	-2.59#
21 l4	1254-4	542.931	0.000 E3	100.0#	0#	-2.72#
22 l4	1254-5	719.732	0.000 E3	100.0#	0#	-2.94#
35 l7	1248-1	502.693	0.000 E3	100.0#	0#	-1.91#
36 l7	1248-2	549.177	0.000 E3	100.0#	0#	-2.04#
37 l7	1248-3	499.860	0.000 E3	100.0#	0#	-2.13#
38 l7	1248-4	449.638	0.000 E3	100.0#	0#	-2.31#
39 l7	1248-5	452.118	0.000 E3	100.0#	0#	-2.33#
41 l5	1232-1	241.017	0.000 E3	100.0#	0#	-1.58#
42 l5	1232-2	194.103	0.000 E3	100.0#	0#	-1.72#
43 l5	1232-3	403.742	0.000 E3	100.0#	0#	-1.91#
44 l5	1232-4	159.152	0.000 E3	100.0#	0#	-1.96#
45 l5	1232-5	133.547	0.000 E3	100.0#	0#	-2.31#
46 l8	1262-1	591.091	0.000 E3	100.0#	0#	-2.80#
47 l8	1262-2	837.671	0.000 E3	100.0#	0#	-2.99#
48 l8	1262-3	657.193	0.000 E3	100.0#	0#	-3.12#
49 l8	1262-4	1.313	0.000 E6	100.0#	0#	-3.27#
50 l8	1262-5	428.211	0.000 E3	100.0#	0#	-3.75#
Signal #2						
4 l1	1016-1	0.019	0.000	100.0#	0#	-1.80#
5 l1	1016-2	0.045	0.000	100.0#	0#	-1.97#
6 l1	1016-3	0.091	0.000	100.0#	0#	-2.17#
7 l1	1016-4	0.037	0.000	100.0#	0#	-2.23#
8 l1	1016-5	0.031	0.000	100.0#	0#	-2.44#
9 l2	1260-1	0.054	0.000	100.0#	0#	-3.04#
10 l2	1260-2	0.067	0.000	100.0#	0#	-3.15#
11 l2	1260-3	0.054	0.000	100.0#	0#	-3.54#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 21:42
Operator : pest2:rmp
Sample   : cicv4268,42e,,pp 11865 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:54 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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	0.096	0.000		100.0#	0#	-3.67#
13 l2	1260-5	0.074	0.000		100.0#	0#	-3.87#
15 l3	1221-1	164.644	0.000	E3	100.0#	0#	-1.71#
16 l3	1221-2	102.853	0.000	E3	100.0#	0#	-1.77#
17 l3	1221-3	375.315	0.000	E3	100.0#	0#	-1.80#
18 l4	1254-1	643.062	0.000	E3	100.0#	0#	-2.63#
19 l4	1254-2	827.035	0.000	E3	100.0#	0#	-2.72#
20 l4	1254-3	1.012	0.000	E6	100.0#	0#	-2.95#
21 l4	1254-4	693.041	0.000	E3	100.0#	0#	-3.06#
22 l4	1254-5	883.682	0.000	E3	100.0#	0#	-3.33#
35 l7	1248-1	715.605	0.000	E3	100.0#	0#	-2.17#
36 l7	1248-2	388.819	0.000	E3	100.0#	0#	-2.31#
37 l7	1248-3	517.543	0.000	E3	100.0#	0#	-2.44#
38 l7	1248-4	569.157	0.000	E3	100.0#	0#	-2.61#
39 l7	1248-5	681.845	0.000	E3	100.0#	0#	-2.63#
41 l5	1232-1	322.820	0.000	E3	100.0#	0#	-1.80#
42 l5	1232-2	289.633	0.000	E3	100.0#	0#	-1.97#
43 l5	1232-3	561.378	0.000	E3	100.0#	0#	-2.17#
44 l5	1232-4	225.055	0.000	E3	100.0#	0#	-2.23#
45 l5	1232-5	186.444	0.000	E3	100.0#	0#	-2.61#
46 l8	1262-1	679.071	0.000	E3	100.0#	0#	-3.14#
47 l8	1262-2	887.906	0.000	E3	100.0#	0#	-3.38#
48 l8	1262-3	817.128	0.000	E3	100.0#	0#	-3.53#
49 l8	1262-4	1.502	0.000	E6	100.0#	0#	-3.66#
50 l8	1262-5	530.375	0.000	E3	100.0#	0#	-4.18#

* 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\241113i\
Data File : P2241113i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:42
Operator : pest2:rmp
Sample : cicv4268,42e,,pp 11865 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:54 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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	1.162	1.228	235.7E6	385.2E6	25.000	25.000
14) i	2154_1br2nb	1.162	1.228	235.7E6	385.2E6	25.000	25.000
23) i	4268_1br2nb	1.162	1.228	235.7E6	385.2E6	25.000	25.000
34) i	1248_1br2nb	1.162	1.228	235.7E6	385.2E6	25.000	25.000
40) i	3262_1br2nb	1.162	1.228	235.7E6	385.2E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.444	1.599	236.4E6	334.6E6	21.314	20.401
	Spiked Amount 20.000	Range 30 - 150		Recovery =		106.57%	102.01%
3) s	Decachlorobi	4.003	4.513	361.7E6	422.1E6	37.947	34.878
	Spiked Amount 20.000	Range 30 - 150		Recovery =		189.74%#	174.39%#
	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	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 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\241113i\
Data File : P2241113i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:42
Operator : pest2:rmp
Sample : cicv4268,42e,,pp 11865 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:54 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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	1221-1			0	0	N.D.	N.D.
Average	1221-1					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	1.582	1.798	39863945	54672022	261.763	243.420
25) l6	1242-2	1.721	1.968	88884925	126.3E6	260.861M1	246.258
26) l6	1242-3	1.909	2.168	179.1E6	249.5E6	259.506	254.825
27) l6	1242-4	1.964	2.228	75460436	99314861	264.131M1	254.905
28) l6	1242-5	2.315	2.612	59440223	81194195	260.993	245.683
Sum	1242-1			442.8E6	611.0E6	1307.253	1245.091
Average	1242-1					261.451	249.018
29) l9	1268-1	3.436	3.861	389.9E6	502.4E6	239.817M4	253.103
30) l9	1268-2	3.457	3.887	361.5E6	449.4E6	251.850	258.666
31) l9	1268-3	3.559	4.028	295.0E6	359.5E6	274.813	284.216
32) l9	1268-4	3.746	4.181	132.2E6	166.2E6	284.123	283.716
33) l9	1268-5	3.899	4.365	908.5E6	1077.9E6	289.821	300.663
Sum	1268-1			2087.1E6	2555.4E6	1340.423	1380.364
Average	1268-1					268.085	276.073
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

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:42
Operator : pest2:rmp
Sample : cicv4268,42e,,pp 11865 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:54 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 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

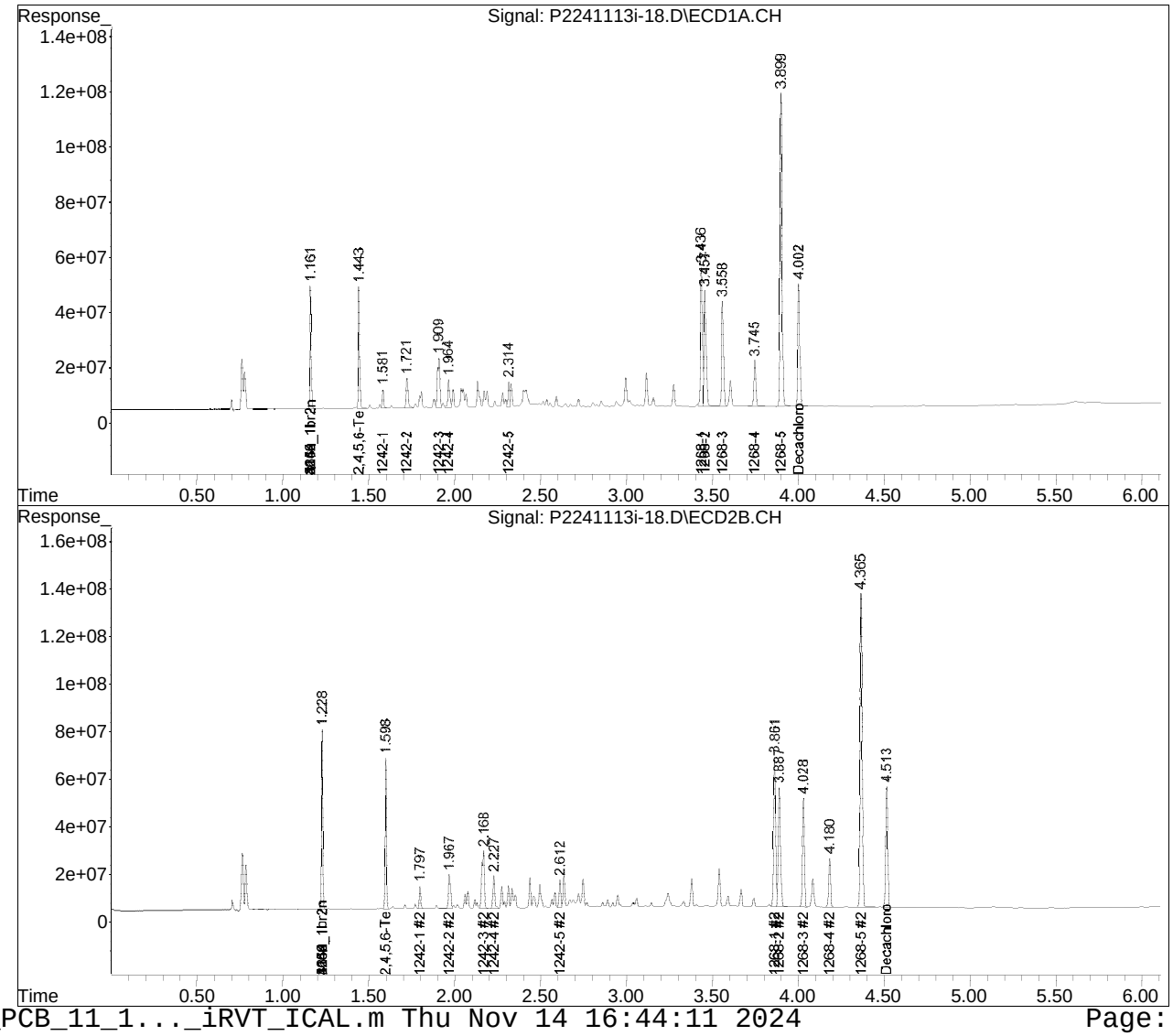
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:42
Operator : pest2:rmp
Sample : cicv4268,42e,,pp 11865 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:04:54 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:04:23 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

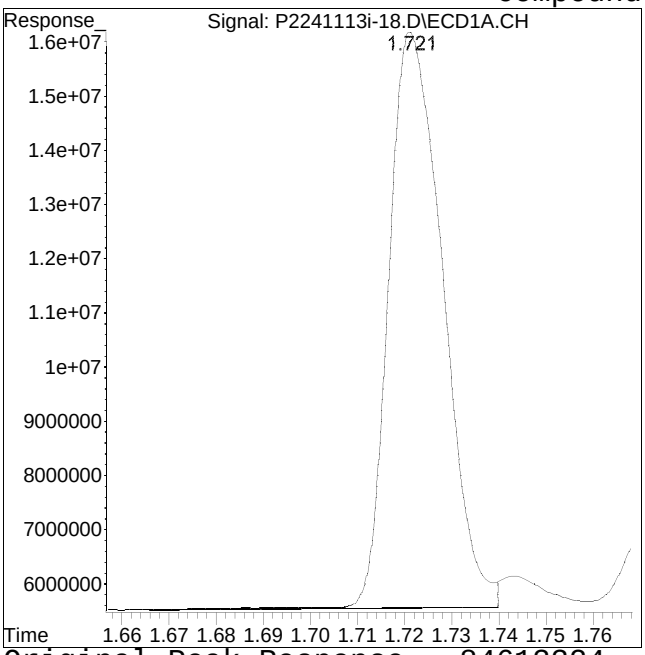
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

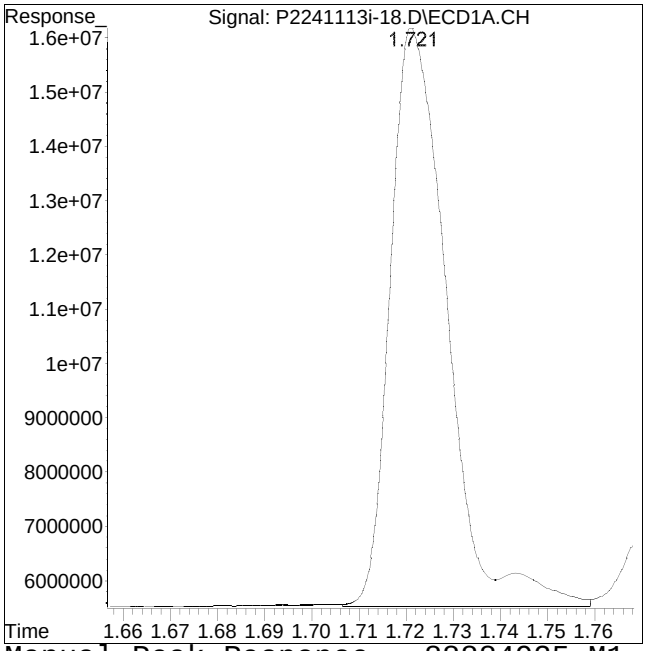


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-18.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:42 Instrument : Pest 2
Sample : cicv4268,42e,,pp 11865 L25Quant Date : 11/14/2024 1:04 pm

Compound #25: 1242-2



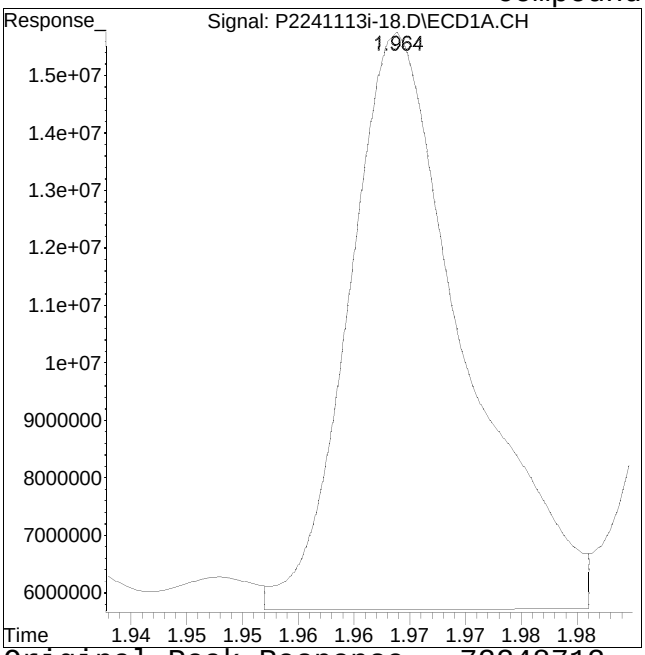


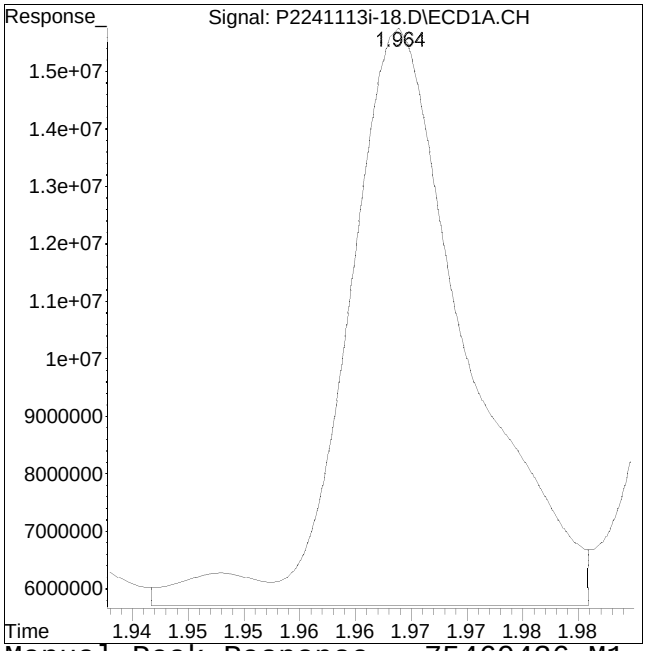
Original Peak Response = 84613324 Manual Peak Response = 88884925 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-18.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:42 Instrument : Pest 2
Sample : cicv4268,42e,,pp 11865 L25Quant Date : 11/14/2024 1:04 pm

Compound #27: 1242-4



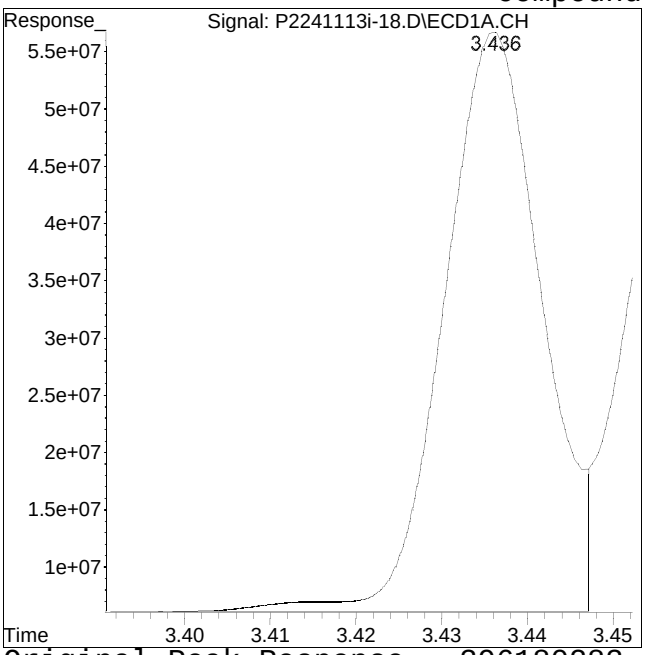


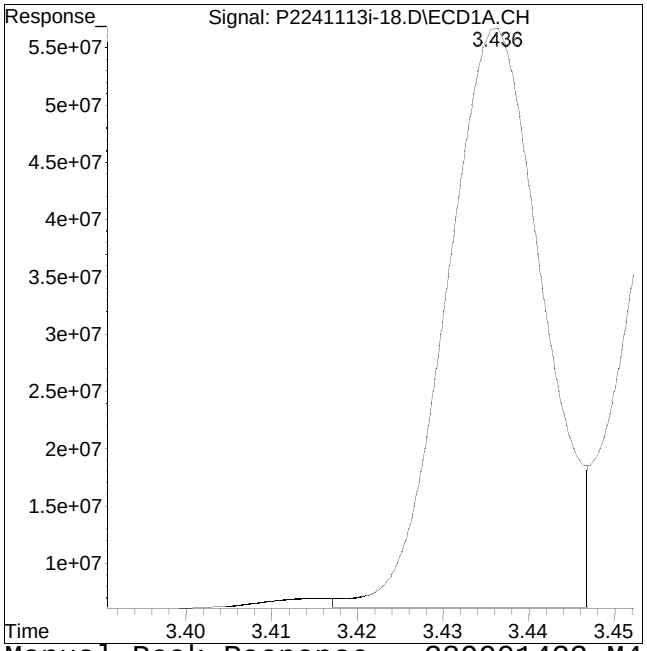
Original Peak Response = 72248712 Manual Peak Response = 75460436 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-18.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:42 Instrument : Pest 2
Sample : cicv4268,42e,,pp 11865 L25Quant Date : 11/14/2024 1:04 pm

Compound #29: 1268-1





Original Peak Response = 396180283 Manual Peak Response = 389901433 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 21:52
Operator : pest2:rmp
Sample   : cicv3262,42e,,pp 11864 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:47 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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		1.176	0.973	17.3	83	0.00
3	s	Decachlorobiphenyl		1.011	0.754	25.4#	78	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	98	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	100	0.00
41	l5	1232-1		0.025	0.024	4.0	94	0.00
42	l5	1232-2		0.020	0.022	-10.0	107	0.00
43	l5	1232-3		0.042	0.044	-4.8	105	0.00
44	l5	1232-4		0.017	0.018	-5.9	107	0.00
45	l5	1232-5		0.014	0.013	7.1	97	0.00
46	l8	1262-1		0.062	0.065	-4.8	106	0.00
47	l8	1262-2		0.088	0.090	-2.3	103	0.00
48	l8	1262-3		0.069	0.073	-5.8	106	0.00
49	l8	1262-4		0.137	0.147	-7.3	107	0.00
50	l8	1262-5		0.045	0.048	-6.7	108	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		1.064	0.873	18.0	83	0.00
3	s	Decachlorobiphenyl		0.785	0.574	26.9#	80	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 21:52
Operator : pest2:rmp
Sample   : cicv3262,42e,,pp 11864 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:47 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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	99	0.00
34	i	1248_1br2nb	^	1.000	1.000		0.0	99	0.00
40	i	3262_1br2nb	^	1.000	1.000		0.0	101	0.00
41	l5	1232-1		0.022	0.021		4.5	96	0.00
42	l5	1232-2		0.020	0.021		-5.0	108	0.00
43	l5	1232-3		0.038	0.040		-5.3	107	0.00
44	l5	1232-4		0.015	0.016		-6.7	105	0.00
45	l5	1232-5		0.013	0.013		0.0	104	0.00
46	l8	1262-1		0.046	0.053		-15.2	116	0.00
47	l8	1262-2		0.060	0.071		-18.3	119	0.00
48	l8	1262-3		0.056	0.066		-17.9	119	0.00
49	l8	1262-4		0.102	0.119		-16.7	118	0.00
50	l8	1262-5		0.036	0.042		-16.7	117	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.021	0.000		100.0#	0#	-1.58#
5	l1	1016-2		0.050	0.000		100.0#	0#	-1.72#
6	l1	1016-3		0.101	0.000		100.0#	0#	-1.91#
7	l1	1016-4		0.044	0.000		100.0#	0#	-1.96#
8	l1	1016-5		0.045	0.000		100.0#	0#	-2.13#
9	l2	1260-1		0.064	0.000		100.0#	0#	-2.67#
10	l2	1260-2		0.101	0.000		100.0#	0#	-2.80#
11	l2	1260-3		0.055	0.000		100.0#	0#	-3.12#
12	l2	1260-4		0.110	0.000		100.0#	0#	-3.27#
13	l2	1260-5		0.083	0.000		100.0#	0#	-3.42#
15	l3	1221-1		108.153	0.000	E3	100.0#	0#	-1.51#
16	l3	1221-2		65.434	0.000	E3	100.0#	0#	-1.56#
17	l3	1221-3		273.972	0.000	E3	100.0#	0#	-1.58#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 21:52
Operator : pest2:rmp
Sample   : cicv3262,42e,,pp 11864 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:47 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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	396.334	0.000 E3	100.0#	0#	-2.30#
19 l4	1254-2	790.239	0.000 E3	100.0#	0#	-2.41#
20 l4	1254-3	723.696	0.000 E3	100.0#	0#	-2.59#
21 l4	1254-4	542.931	0.000 E3	100.0#	0#	-2.72#
22 l4	1254-5	719.732	0.000 E3	100.0#	0#	-2.94#
24 l6	1242-1	0.016	0.000	100.0#	0#	-1.58#
25 l6	1242-2	0.036	0.000	100.0#	0#	-1.72#
26 l6	1242-3	0.073	0.000	100.0#	0#	-1.91#
27 l6	1242-4	0.030	0.000	100.0#	0#	-1.96#
28 l6	1242-5	0.024	0.000	100.0#	0#	-2.31#
29 l9	1268-1	0.172	0.000	100.0#	0#	-3.43#
30 l9	1268-2	0.152	0.000	100.0#	0#	-3.46#
31 l9	1268-3	0.114	0.000	100.0#	0#	-3.56#
32 l9	1268-4	0.049	0.000	100.0#	0#	-3.74#
33 l9	1268-5	0.332	0.000	100.0#	0#	-3.90#
35 l7	1248-1	502.693	0.000 E3	100.0#	0#	-1.91#
36 l7	1248-2	549.177	0.000 E3	100.0#	0#	-2.04#
37 l7	1248-3	499.860	0.000 E3	100.0#	0#	-2.13#
38 l7	1248-4	449.638	0.000 E3	100.0#	0#	-2.31#
39 l7	1248-5	452.118	0.000 E3	100.0#	0#	-2.33#

Signal #2

4 l1	1016-1	0.019	0.000	100.0#	0#	-1.80#
5 l1	1016-2	0.045	0.000	100.0#	0#	-1.97#
6 l1	1016-3	0.091	0.000	100.0#	0#	-2.17#
7 l1	1016-4	0.037	0.000	100.0#	0#	-2.23#
8 l1	1016-5	0.031	0.000	100.0#	0#	-2.44#
9 l2	1260-1	0.054	0.000	100.0#	0#	-3.04#
10 l2	1260-2	0.067	0.000	100.0#	0#	-3.15#
11 l2	1260-3	0.054	0.000	100.0#	0#	-3.54#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 21:52
Operator : pest2:rmp
Sample   : cicv3262,42e,,pp 11864 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:47 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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	0.096	0.000		100.0#	0#	-3.67#
13 l2	1260-5	0.074	0.000		100.0#	0#	-3.87#
15 l3	1221-1	164.644	0.000	E3	100.0#	0#	-1.71#
16 l3	1221-2	102.853	0.000	E3	100.0#	0#	-1.77#
17 l3	1221-3	375.315	0.000	E3	100.0#	0#	-1.80#
18 l4	1254-1	643.062	0.000	E3	100.0#	0#	-2.63#
19 l4	1254-2	827.035	0.000	E3	100.0#	0#	-2.72#
20 l4	1254-3	1.012	0.000	E6	100.0#	0#	-2.95#
21 l4	1254-4	693.041	0.000	E3	100.0#	0#	-3.06#
22 l4	1254-5	883.682	0.000	E3	100.0#	0#	-3.33#
24 l6	1242-1	0.015	0.000		100.0#	0#	-1.80#
25 l6	1242-2	0.033	0.000		100.0#	0#	-1.97#
26 l6	1242-3	0.064	0.000		100.0#	0#	-2.17#
27 l6	1242-4	0.025	0.000		100.0#	0#	-2.23#
28 l6	1242-5	0.021	0.000		100.0#	0#	-2.61#
29 l9	1268-1	0.129	0.000		100.0#	0#	-3.86#
30 l9	1268-2	0.113	0.000		100.0#	0#	-3.89#
31 l9	1268-3	0.082	0.000		100.0#	0#	-4.03#
32 l9	1268-4	0.038	0.000		100.0#	0#	-4.18#
33 l9	1268-5	0.233	0.000		100.0#	0#	-4.36#
35 l7	1248-1	715.605	0.000	E3	100.0#	0#	-2.17#
36 l7	1248-2	388.819	0.000	E3	100.0#	0#	-2.31#
37 l7	1248-3	517.543	0.000	E3	100.0#	0#	-2.44#
38 l7	1248-4	569.157	0.000	E3	100.0#	0#	-2.61#
39 l7	1248-5	681.845	0.000	E3	100.0#	0#	-2.63#

* 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\241113i\
Data File : P2241113i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:52
Operator : pest2:rmp
Sample : cicv3262,42e,,pp 11864 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:47 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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	1.162	1.228	239.5E6	371.8E6	25.000	25.000
14) i	2154_1br2nb	1.162	1.228	239.5E6	371.8E6	25.000	25.000
23) i	4268_1br2nb	1.162	1.228	239.5E6	371.8E6	25.000	25.000
34) i	1248_1br2nb	1.162	1.228	239.5E6	371.8E6	25.000	25.000
40) i	3262_1br2nb	1.162	1.228	239.5E6	371.8E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.444	1.598	232.9E6	324.5E6	20.674	20.497
	Spiked Amount 20.000	Range 30 - 150		Recovery =		103.37%	102.49%
3) s	Decachlorobi	4.002	4.512	180.5E6	213.3E6	18.636	18.262
	Spiked Amount 20.000	Range 30 - 150		Recovery =		93.18%	91.31%
	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	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:52
Operator : pest2:rmp
Sample : cicv3262,42e,,pp 11864 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:47 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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	1221-1			0	0	N.D.	N.D.
Average	1221-1					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
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:52
Operator : pest2:rmp
Sample : cicv3262,42e,,pp 11864 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:47 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 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	1248-1					0.000	0.000
41) l5	1232-1	1.581	1.798	56380933	77284103	233.544	236.804
42) l5	1232-2	1.722	1.967	52134367	78192048	268.149	267.039M4
43) l5	1232-3	1.909	2.168	106.4E6	149.6E6	263.173	263.532
44) l5	1232-4	1.964	2.227	42593095	59300173	267.184	260.632
45) l5	1232-5	2.314	2.612	32283620	48350052	241.342	256.512
Sum	1232-1			289.8E6	412.7E6	1273.391	1284.519
Average	1232-1					254.678	256.904
46) l8	1262-1	2.803	3.145	156.0E6	197.8E6	263.491	288.081
47) l8	1262-2	2.994	3.378	215.0E6	263.2E6	256.245	293.263
48) l8	1262-3	3.117	3.536	174.5E6	244.0E6	265.034	295.377
49) l8	1262-4	3.272	3.665	350.9E6	443.4E6	266.915	292.015
50) l8	1262-5	3.745	4.180	115.9E6	155.1E6	270.156	289.339
Sum	1262-1			1012.3E6	1303.6E6	1321.841	1458.076
Average	1262-1					264.368	291.615

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			1012.3E6	1303.6E6	1321.841	1458.076
Average	1262-1					264.368	291.615

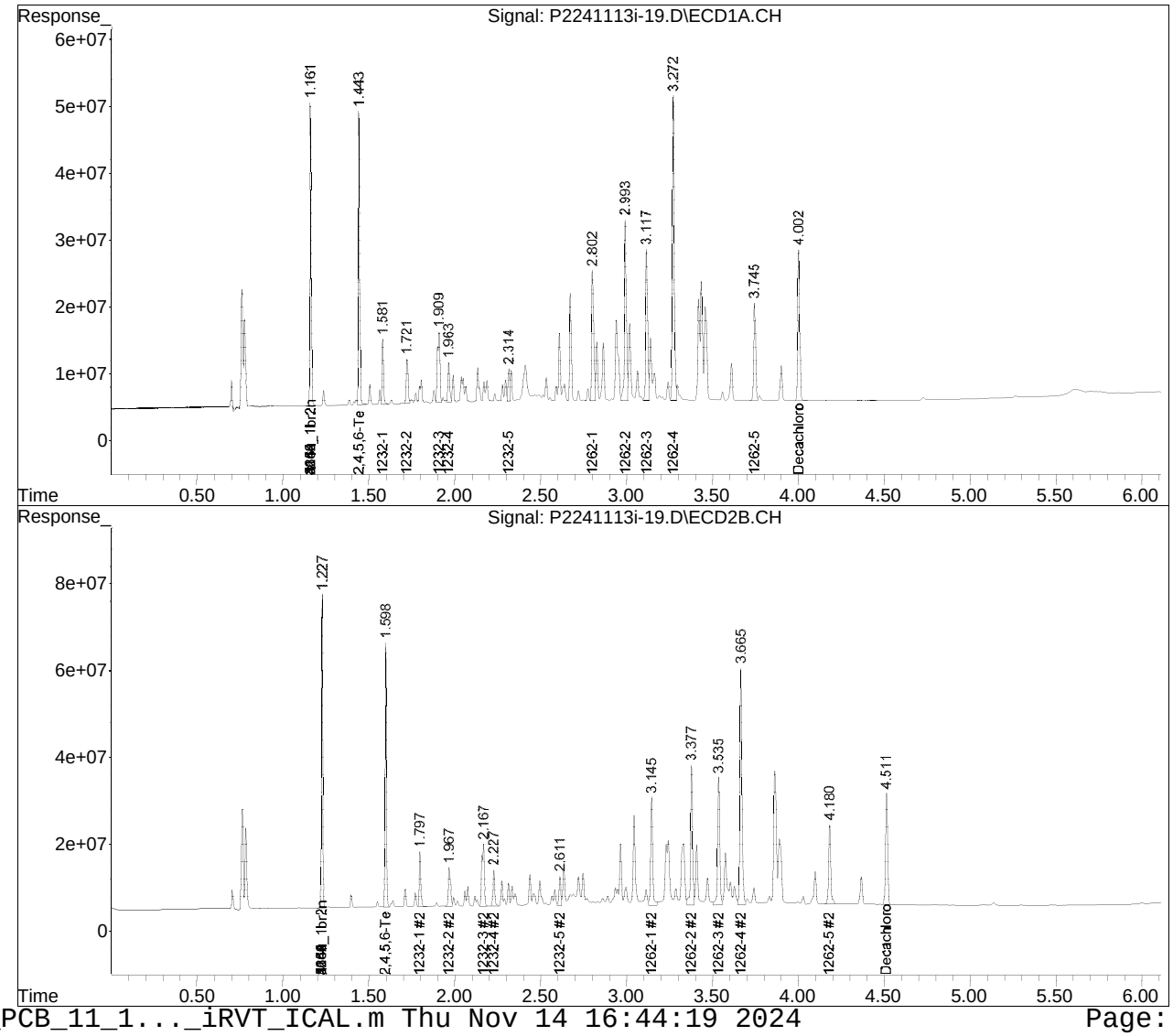
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 21:52
Operator : pest2:rmp
Sample : cicv3262,42e,,pp 11864 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:07:47 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:07:01 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

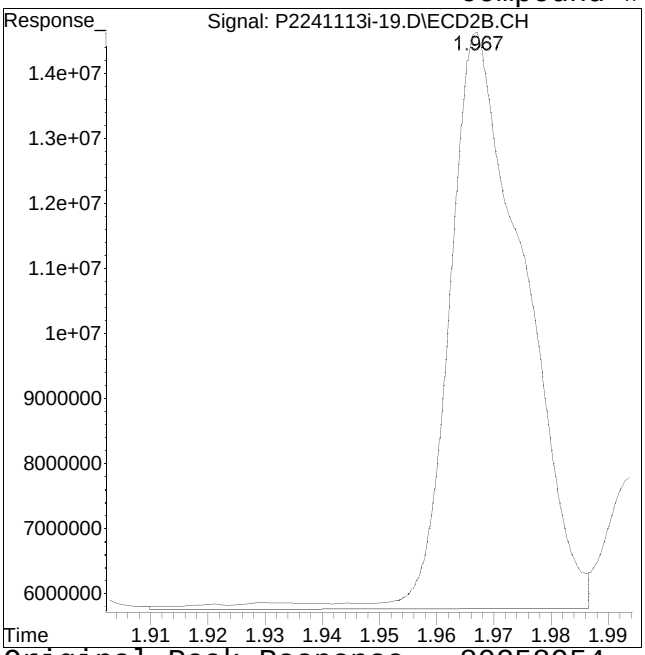
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



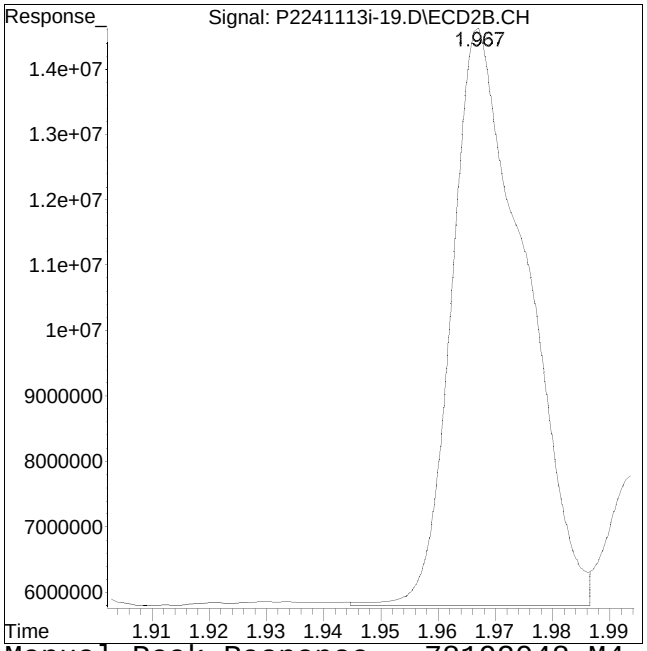
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-19.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 21:52 Instrument : Pest 2
Sample : cicv3262,42e,,pp 11864 L25Quant Date : 11/14/2024 1:07 pm

Compound #93: 1232-2 #2



Original Peak Response = 80258954



Manual Peak Response = 78192048 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:01
Operator : pest2:rmp
Sample   : cicv1248,42e,,pp 11866 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:10:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.176	1.015	13.7	84	0.00
3	s	Decachlorobiphenyl		1.011	0.791	21.8#	81	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	96	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	103	0.00
35	l7	1248-1		0.055	0.047	14.5	88	0.00
36	l7	1248-2		0.060	0.061	-1.7	104	0.00
37	l7	1248-3		0.055	0.054	1.8	102	0.00
38	l7	1248-4		0.049	0.049	0.0	103	0.00
39	l7	1248-5		0.050	0.045	10.0	94	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	98	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	102	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.064	0.869	18.3	84	0.00
3	s	Decachlorobiphenyl		0.785	0.583	25.7#	83	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	102	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	102	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	102	0.00
35	l7	1248-1		0.048	0.042	12.5	88	0.00
36	l7	1248-2		0.026	0.027	-3.8	107	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:01
Operator : pest2:rmp
Sample   : cicv1248,42e,,pp 11866 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:10:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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		0.035	0.034		2.9	101	0.00
38	l7	1248-4		0.038	0.038		0.0	102	0.00
39	l7	1248-5		0.046	0.044		4.3	98	0.00
40	i	3262_1br2nb	^	1.000	1.000		0.0	103	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	0.021	0.000		100.0#	0#	-1.58#
5	l1	1016-2	0.050	0.000		100.0#	0#	-1.72#
6	l1	1016-3	0.101	0.000		100.0#	0#	-1.91#
7	l1	1016-4	0.044	0.000		100.0#	0#	-1.96#
8	l1	1016-5	0.045	0.000		100.0#	0#	-2.13#
9	l2	1260-1	0.064	0.000		100.0#	0#	-2.67#
10	l2	1260-2	0.101	0.000		100.0#	0#	-2.80#
11	l2	1260-3	0.055	0.000		100.0#	0#	-3.12#
12	l2	1260-4	0.110	0.000		100.0#	0#	-3.27#
13	l2	1260-5	0.083	0.000		100.0#	0#	-3.42#
15	l3	1221-1	108.153	0.000	E3	100.0#	0#	-1.51#
16	l3	1221-2	65.434	0.000	E3	100.0#	0#	-1.56#
17	l3	1221-3	273.972	0.000	E3	100.0#	0#	-1.58#
18	l4	1254-1	396.334	0.000	E3	100.0#	0#	-2.30#
19	l4	1254-2	790.239	0.000	E3	100.0#	0#	-2.41#
20	l4	1254-3	723.696	0.000	E3	100.0#	0#	-2.59#
21	l4	1254-4	542.931	0.000	E3	100.0#	0#	-2.72#
22	l4	1254-5	719.732	0.000	E3	100.0#	0#	-2.94#
24	l6	1242-1	0.016	0.000		100.0#	0#	-1.58#
25	l6	1242-2	0.036	0.000		100.0#	0#	-1.72#
26	l6	1242-3	0.073	0.000		100.0#	0#	-1.91#
27	l6	1242-4	0.030	0.000		100.0#	0#	-1.96#
28	l6	1242-5	0.024	0.000		100.0#	0#	-2.31#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:01
Operator : pest2:rmp
Sample   : cicv1248,42e,,pp 11866 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:10:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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	0.172	0.000		100.0#	0#	-3.43#
30	l9	1268-2	0.152	0.000		100.0#	0#	-3.46#
31	l9	1268-3	0.114	0.000		100.0#	0#	-3.56#
32	l9	1268-4	0.049	0.000		100.0#	0#	-3.74#
33	l9	1268-5	0.332	0.000		100.0#	0#	-3.90#
41	l5	1232-1	0.025	0.000		100.0#	0#	-1.58#
42	l5	1232-2	0.020	0.000		100.0#	0#	-1.72#
43	l5	1232-3	0.042	0.000		100.0#	0#	-1.91#
44	l5	1232-4	0.017	0.000		100.0#	0#	-1.96#
45	l5	1232-5	0.014	0.000		100.0#	0#	-2.31#
46	l8	1262-1	0.062	0.000		100.0#	0#	-2.80#
47	l8	1262-2	0.088	0.000		100.0#	0#	-2.99#
48	l8	1262-3	0.069	0.000		100.0#	0#	-3.12#
49	l8	1262-4	0.137	0.000		100.0#	0#	-3.27#
50	l8	1262-5	0.045	0.000		100.0#	0#	-3.75#
		Signal #2						
4	l1	1016-1	0.019	0.000		100.0#	0#	-1.80#
5	l1	1016-2	0.045	0.000		100.0#	0#	-1.97#
6	l1	1016-3	0.091	0.000		100.0#	0#	-2.17#
7	l1	1016-4	0.037	0.000		100.0#	0#	-2.23#
8	l1	1016-5	0.031	0.000		100.0#	0#	-2.44#
9	l2	1260-1	0.054	0.000		100.0#	0#	-3.04#
10	l2	1260-2	0.067	0.000		100.0#	0#	-3.15#
11	l2	1260-3	0.054	0.000		100.0#	0#	-3.54#
12	l2	1260-4	0.096	0.000		100.0#	0#	-3.67#
13	l2	1260-5	0.074	0.000		100.0#	0#	-3.87#
15	l3	1221-1	164.644	0.000	E3	100.0#	0#	-1.71#
16	l3	1221-2	102.853	0.000	E3	100.0#	0#	-1.77#
17	l3	1221-3	375.315	0.000	E3	100.0#	0#	-1.80#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:01
Operator : pest2:rmp
Sample   : cicv1248,42e,,pp 11866 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:10:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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	643.062	0.000 E3	100.0#	0#	-2.63#
19 l4	1254-2	827.035	0.000 E3	100.0#	0#	-2.72#
20 l4	1254-3	1.012	0.000 E6	100.0#	0#	-2.95#
21 l4	1254-4	693.041	0.000 E3	100.0#	0#	-3.06#
22 l4	1254-5	883.682	0.000 E3	100.0#	0#	-3.33#
24 l6	1242-1	0.015	0.000	100.0#	0#	-1.80#
25 l6	1242-2	0.033	0.000	100.0#	0#	-1.97#
26 l6	1242-3	0.064	0.000	100.0#	0#	-2.17#
27 l6	1242-4	0.025	0.000	100.0#	0#	-2.23#
28 l6	1242-5	0.021	0.000	100.0#	0#	-2.61#
29 l9	1268-1	0.129	0.000	100.0#	0#	-3.86#
30 l9	1268-2	0.113	0.000	100.0#	0#	-3.89#
31 l9	1268-3	0.082	0.000	100.0#	0#	-4.03#
32 l9	1268-4	0.038	0.000	100.0#	0#	-4.18#
33 l9	1268-5	0.233	0.000	100.0#	0#	-4.36#
41 l5	1232-1	0.022	0.000	100.0#	0#	-1.80#
42 l5	1232-2	0.020	0.000	100.0#	0#	-1.97#
43 l5	1232-3	0.038	0.000	100.0#	0#	-2.17#
44 l5	1232-4	0.015	0.000	100.0#	0#	-2.23#
45 l5	1232-5	0.013	0.000	100.0#	0#	-2.61#
46 l8	1262-1	0.046	0.000	100.0#	0#	-3.14#
47 l8	1262-2	0.060	0.000	100.0#	0#	-3.38#
48 l8	1262-3	0.056	0.000	100.0#	0#	-3.53#
49 l8	1262-4	0.102	0.000	100.0#	0#	-3.66#
50 l8	1262-5	0.036	0.000	100.0#	0#	-4.18#

* 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\241113i\
Data File : P2241113i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:01
Operator : pest2:rmp
Sample : cicv1248,42e,,pp 11866 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:10:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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	1.162	1.228	234.3E6	380.2E6	25.000	25.000
14) i	2154_1br2nb	1.162	1.228	234.3E6	380.2E6	25.000	25.000
23) i	4268_1br2nb	1.162	1.228	234.3E6	380.2E6	25.000	25.000
34) i	1248_1br2nb	1.162	1.228	234.3E6	380.2E6	25.000	25.000
40) i	3262_1br2nb	1.162	1.228	234.3E6	380.2E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.444	1.599	237.8E6	330.4E6	21.576	20.416
	Spiked Amount 20.000	Range 30 - 150		Recovery =		107.88%	102.08%
3) s	Decachlorobi	4.003	4.512	185.4E6	221.6E6	19.568	18.552
	Spiked Amount 20.000	Range 30 - 150		Recovery =		97.84%	92.76%
	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	1221-1	0.000	0.000	0	0	N.D.	N.D.
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) 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\241113i\
Data File : P2241113i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:01
Operator : pest2:rmp
Sample : cicv1248,42e,,pp 11866 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:10:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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	1221-1			0	0	N.D.	N.D.
Average	1221-1					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. 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	1.901	2.159	111.0E6	158.3E6	214.797	217.733
36) l7	1248-2	2.037	2.312	143.2E6	104.2E6	253.639M1	263.631
37) l7	1248-3	2.133	2.437	127.1E6	130.6E6	247.447	248.424
38) l7	1248-4	2.315	2.611	115.3E6	144.6E6	249.380	250.017
39) l7	1248-5	2.327	2.635	106.0E6	166.4E6	228.143	240.186

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:01
Operator : pest2:rmp
Sample : cicv1248,42e,,pp 11866 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:10:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 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			602.6E6	704.1E6	1193.407	1219.990
Average	1248-1					238.681	243.998
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

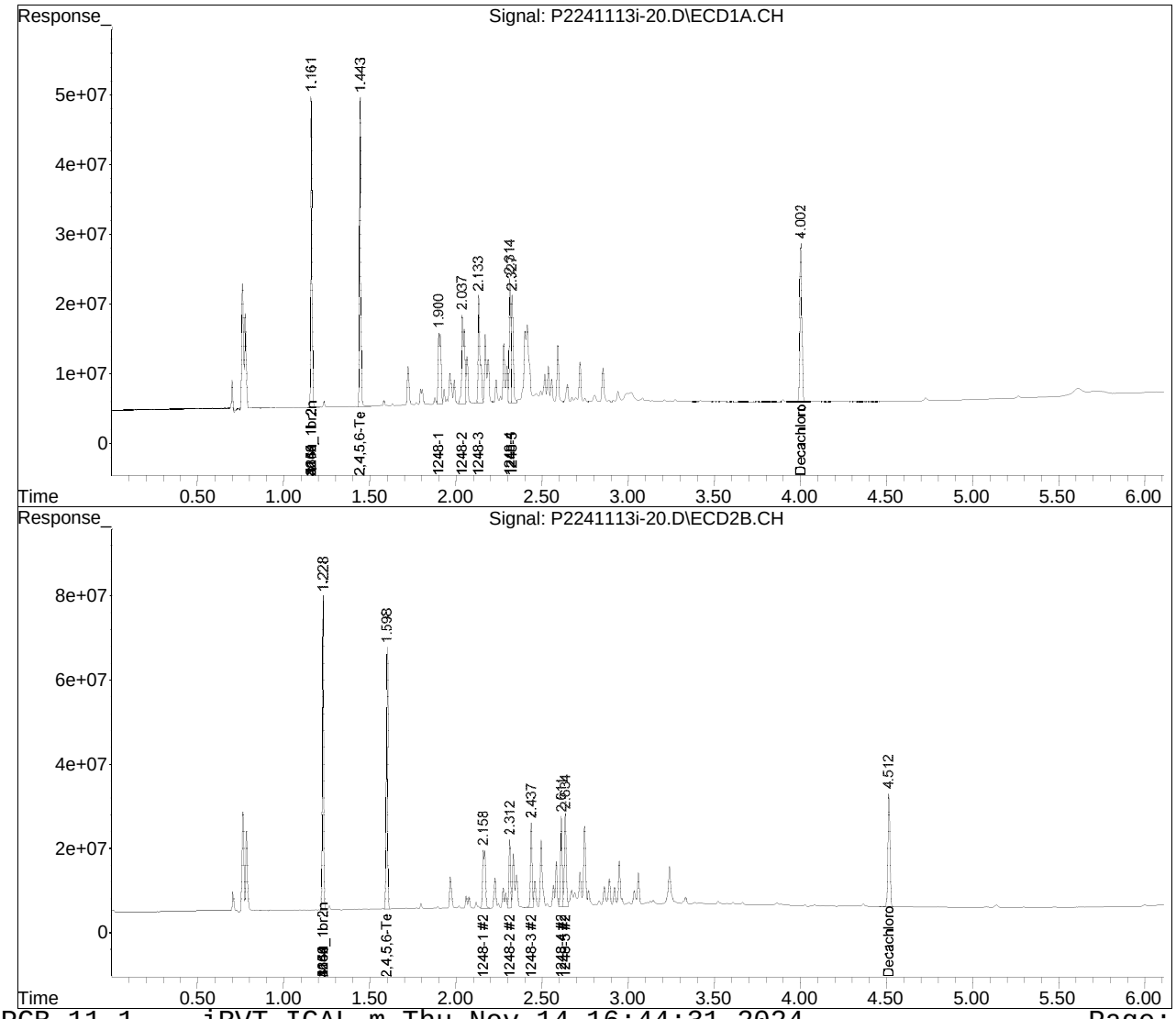
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:01
Operator : pest2:rmp
Sample : cicv1248,42e,,pp 11866 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:10:44 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:10:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

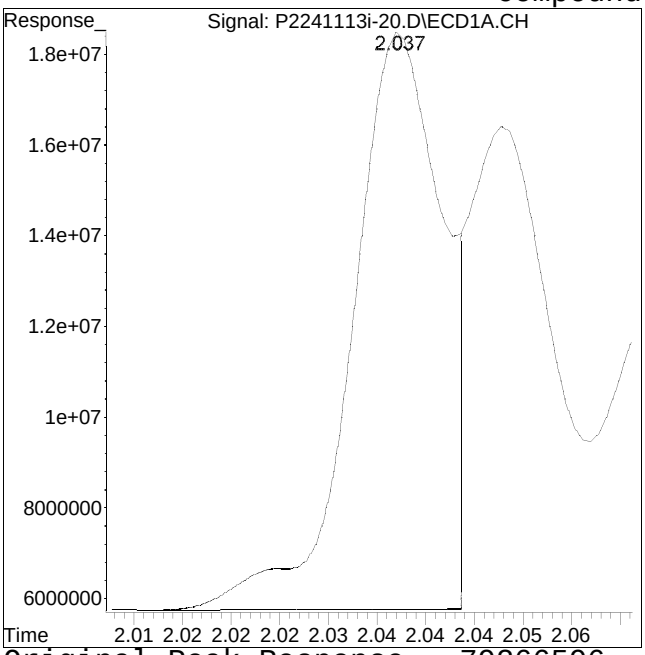
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

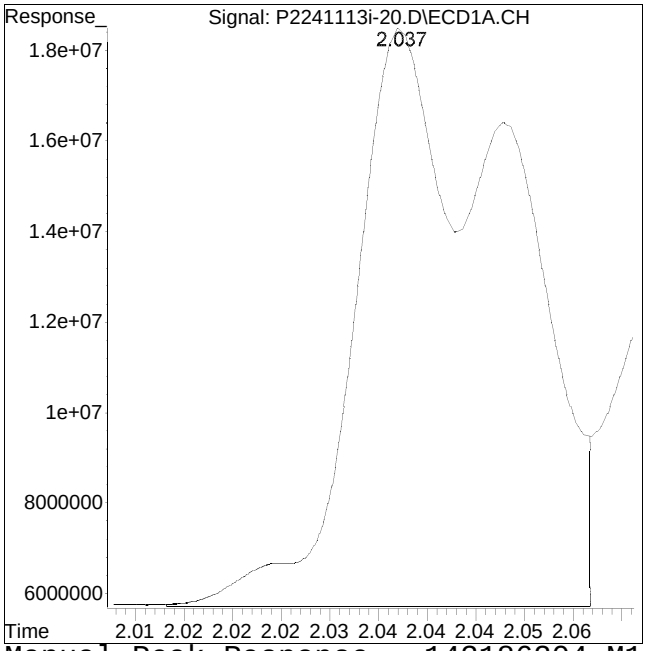


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-20.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 22:01 Instrument : Pest 2
Sample : cicv1248,42e,,pp 11866 L25Quant Date : 11/14/2024 1:10 pm

Compound #36: 1248-2





Original Peak Response = 79266596 Manual Peak Response = 143186204 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\241113i\
Data File : P2241113i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:11
Operator : pest2:rmp
Sample   : cicv2154,42e,,pp 11863 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:12:11 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.176	1.002	14.8	83	0.00
3	s	Decachlorobiphenyl		1.011	0.756	25.2#	77	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	99	0.00
15	l3	1221-1		0.011	0.012	-9.1	107	0.00
16	l3	1221-2		0.00690	0.00739	-7.1	106	0.00
17	l3	1221-3		0.029	0.030	-3.4	104	0.00
18	l4	1254-1		0.042	0.046	-9.5	108	0.00
19	l4	1254-2		0.083	0.087	-4.8	103	0.00
20	l4	1254-3		0.076	0.082	-7.9	105	0.00
21	l4	1254-4		0.057	0.063	-10.5	108	0.00
22	l4	1254-5		0.076	0.086	-13.2	112	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	96	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	98	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		1.064	0.865	18.7	84	0.00
3	s	Decachlorobiphenyl		0.785	0.530	32.5#	75	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	101	0.00
15	l3	1221-1		0.011	0.011	0.0	98	0.00
16	l3	1221-2		0.00688	0.00694	-0.9	102	0.00
17	l3	1221-3		0.025	0.025	0.0	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:11
Operator : pest2:rmp
Sample   : cicv2154,42e,,pp 11863 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:12:11 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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		0.043	0.044	-2.3	104	0.00
19	l4	1254-2		0.055	0.056	-1.8	103	0.00
20	l4	1254-3		0.068	0.073	-7.4	109	0.00
21	l4	1254-4		0.046	0.050	-8.7	109	0.00
22	l4	1254-5		0.059	0.066	-11.9	114	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	101	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	101	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	103	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.021	0.000	100.0#	0#	-1.58#
5	l1	1016-2		0.050	0.000	100.0#	0#	-1.72#
6	l1	1016-3		0.101	0.000	100.0#	0#	-1.91#
7	l1	1016-4		0.044	0.000	100.0#	0#	-1.96#
8	l1	1016-5		0.045	0.000	100.0#	0#	-2.13#
9	l2	1260-1		0.064	0.000	100.0#	0#	-2.67#
10	l2	1260-2		0.101	0.000	100.0#	0#	-2.80#
11	l2	1260-3		0.055	0.000	100.0#	0#	-3.12#
12	l2	1260-4		0.110	0.000	100.0#	0#	-3.27#
13	l2	1260-5		0.083	0.000	100.0#	0#	-3.42#
24	l6	1242-1		0.016	0.000	100.0#	0#	-1.58#
25	l6	1242-2		0.036	0.000	100.0#	0#	-1.72#
26	l6	1242-3		0.073	0.000	100.0#	0#	-1.91#
27	l6	1242-4		0.030	0.000	100.0#	0#	-1.96#
28	l6	1242-5		0.024	0.000	100.0#	0#	-2.31#
29	l9	1268-1		0.172	0.000	100.0#	0#	-3.43#
30	l9	1268-2		0.152	0.000	100.0#	0#	-3.46#

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:11
Operator : pest2:rmp
Sample   : cicv2154,42e,,pp 11863 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:12:11 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	0.114	0.000	100.0#	0#	-3.56#
32	l9	1268-4	0.049	0.000	100.0#	0#	-3.74#
33	l9	1268-5	0.332	0.000	100.0#	0#	-3.90#
35	l7	1248-1	0.055	0.000	100.0#	0#	-1.91#
36	l7	1248-2	0.060	0.000	100.0#	0#	-2.04#
37	l7	1248-3	0.055	0.000	100.0#	0#	-2.13#
38	l7	1248-4	0.049	0.000	100.0#	0#	-2.31#
39	l7	1248-5	0.050	0.000	100.0#	0#	-2.33#
41	l5	1232-1	0.025	0.000	100.0#	0#	-1.58#
42	l5	1232-2	0.020	0.000	100.0#	0#	-1.72#
43	l5	1232-3	0.042	0.000	100.0#	0#	-1.91#
44	l5	1232-4	0.017	0.000	100.0#	0#	-1.96#
45	l5	1232-5	0.014	0.000	100.0#	0#	-2.31#
46	l8	1262-1	0.062	0.000	100.0#	0#	-2.80#
47	l8	1262-2	0.088	0.000	100.0#	0#	-2.99#
48	l8	1262-3	0.069	0.000	100.0#	0#	-3.12#
49	l8	1262-4	0.137	0.000	100.0#	0#	-3.27#
50	l8	1262-5	0.045	0.000	100.0#	0#	-3.75#

Signal #2

4	l1	1016-1	0.019	0.000	100.0#	0#	-1.80#
5	l1	1016-2	0.045	0.000	100.0#	0#	-1.97#
6	l1	1016-3	0.091	0.000	100.0#	0#	-2.17#
7	l1	1016-4	0.037	0.000	100.0#	0#	-2.23#
8	l1	1016-5	0.031	0.000	100.0#	0#	-2.44#
9	l2	1260-1	0.054	0.000	100.0#	0#	-3.04#
10	l2	1260-2	0.067	0.000	100.0#	0#	-3.15#
11	l2	1260-3	0.054	0.000	100.0#	0#	-3.54#
12	l2	1260-4	0.096	0.000	100.0#	0#	-3.67#
13	l2	1260-5	0.074	0.000	100.0#	0#	-3.87#

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:11
Operator : pest2:rmp
Sample   : cicv2154,42e,,pp 11863 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:12:11 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	0.015	0.000	100.0#	0#	-1.80#
25 l6	1242-2	0.033	0.000	100.0#	0#	-1.97#
26 l6	1242-3	0.064	0.000	100.0#	0#	-2.17#
27 l6	1242-4	0.025	0.000	100.0#	0#	-2.23#
28 l6	1242-5	0.021	0.000	100.0#	0#	-2.61#
29 l9	1268-1	0.129	0.000	100.0#	0#	-3.86#
30 l9	1268-2	0.113	0.000	100.0#	0#	-3.89#
31 l9	1268-3	0.082	0.000	100.0#	0#	-4.03#
32 l9	1268-4	0.038	0.000	100.0#	0#	-4.18#
33 l9	1268-5	0.233	0.000	100.0#	0#	-4.36#
35 l7	1248-1	0.048	0.000	100.0#	0#	-2.17#
36 l7	1248-2	0.026	0.000	100.0#	0#	-2.31#
37 l7	1248-3	0.035	0.000	100.0#	0#	-2.44#
38 l7	1248-4	0.038	0.000	100.0#	0#	-2.61#
39 l7	1248-5	0.046	0.000	100.0#	0#	-2.63#
41 l5	1232-1	0.022	0.000	100.0#	0#	-1.80#
42 l5	1232-2	0.020	0.000	100.0#	0#	-1.97#
43 l5	1232-3	0.038	0.000	100.0#	0#	-2.17#
44 l5	1232-4	0.015	0.000	100.0#	0#	-2.23#
45 l5	1232-5	0.013	0.000	100.0#	0#	-2.61#
46 l8	1262-1	0.046	0.000	100.0#	0#	-3.14#
47 l8	1262-2	0.060	0.000	100.0#	0#	-3.38#
48 l8	1262-3	0.056	0.000	100.0#	0#	-3.53#
49 l8	1262-4	0.102	0.000	100.0#	0#	-3.66#
50 l8	1262-5	0.036	0.000	100.0#	0#	-4.18#

* 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\241113i\
Data File : P2241113i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:11
Operator : pest2:rmp
Sample : cicv2154,42e,,pp 11863 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:12:11 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	1.162	1.228	233.7E6	378.7E6	25.000	25.000
14) i	2154_1br2nb	1.162	1.228	233.7E6	378.7E6	25.000	25.000
23) i	4268_1br2nb	1.162	1.228	233.7E6	378.7E6	25.000	25.000
34) i	1248_1br2nb	1.162	1.228	233.7E6	378.7E6	25.000	25.000
40) i	3262_1br2nb	1.162	1.228	233.7E6	378.7E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.444	1.599	234.2E6	327.5E6	21.299	20.312
	Spiked Amount 20.000	Range 30 - 150		Recovery =		106.50%	101.56%
3) s	Decachlorobi	4.003	4.512	176.7E6	200.5E6	18.693	16.856
	Spiked Amount 20.000	Range 30 - 150		Recovery =		93.47%	84.28%
	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	1221-1	1.506	1.712	28981762	40352051	271.865	241.946
16) l3	1221-2	1.565	1.772	17268357	26297751	267.738	252.408
17) l3	1221-3	1.581	1.798	70892392	96186273	262.518	252.997

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:11
Operator : pest2:rmp
Sample : cicv2154,42e,,pp 11863 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:12:11 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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 1221-1			117.1E6	162.8E6	802.120	747.352
Average	1221-1					267.373	249.117
18) l4	1254-1	2.296	2.633	107.5E6	166.7E6	275.142	255.946
19) l4	1254-2	2.408	2.720	203.4E6	212.6E6	261.138	253.768
20) l4	1254-3	2.591	2.948	190.8E6	274.7E6	267.435	267.824
21) l4	1254-4	2.720	3.058	146.2E6	188.9E6	273.263	269.097
22) l4	1254-5	2.941	3.333	202.1E6	250.9E6	284.857	280.250M4
	Sum 1254-1			850.0E6	1093.8E6	1361.835	1326.885
Average	1254-1					272.367	265.377
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. 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\241113i\
Data File : P2241113i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:11
Operator : pest2:rmp
Sample : cicv2154,42e,,pp 11863 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:12:11 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	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

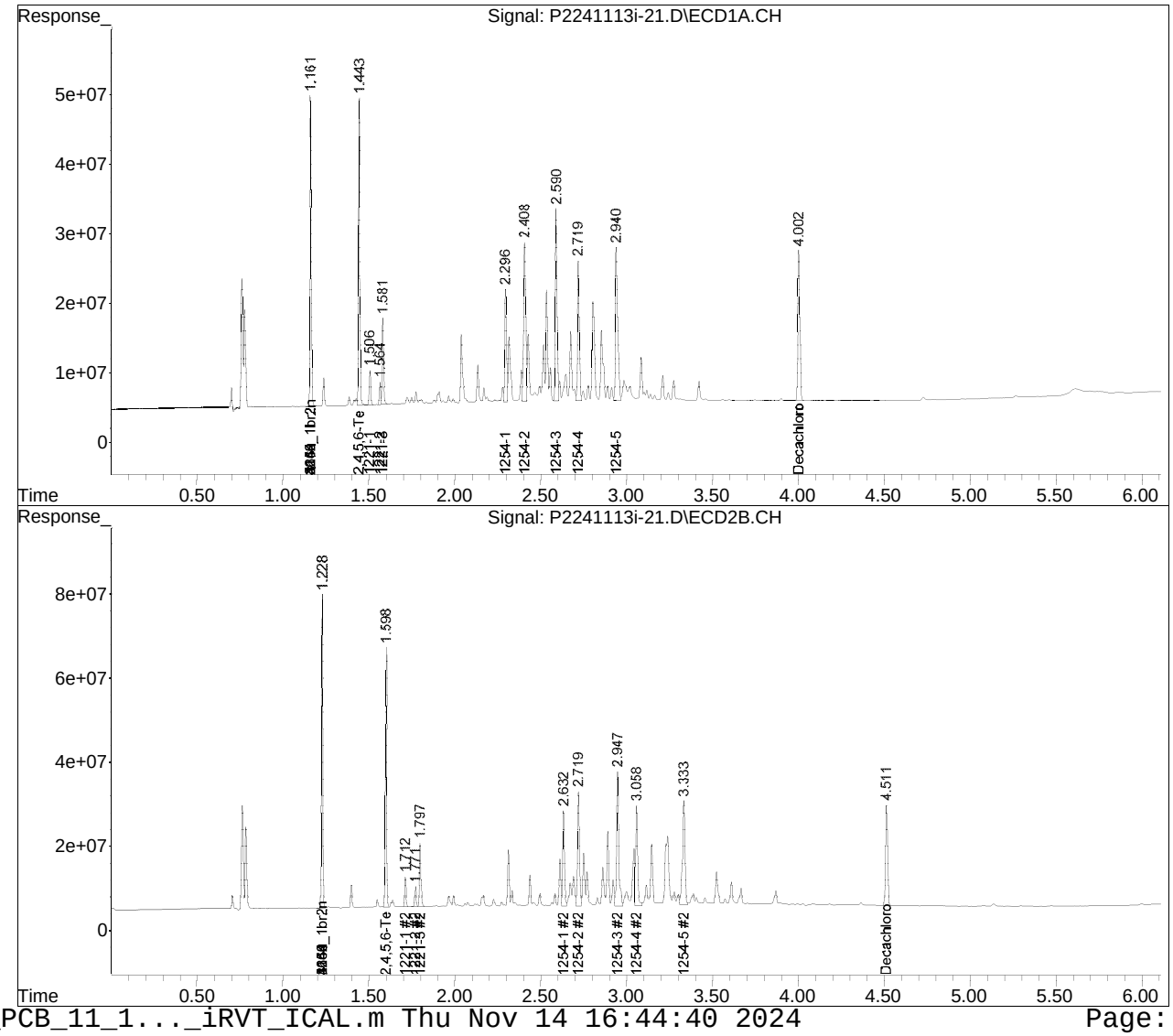
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:11
Operator : pest2:rmp
Sample : cicv2154,42e,,pp 11863 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:12:11 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

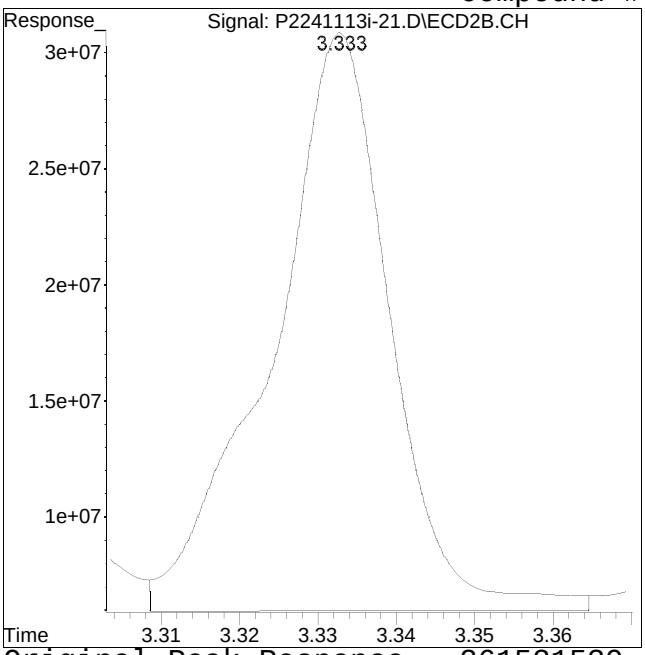
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

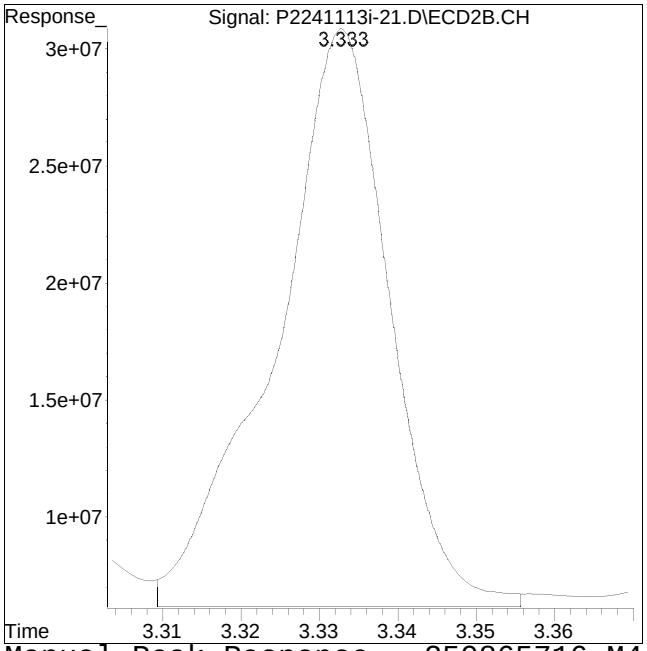


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-21.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 22:11 Instrument : Pest 2
Sample : cicv2154,42e,,pp 11863 L25Quant Date : 11/14/2024 1:12 pm

Compound #73: 1254-5 #2





Original Peak Response = 261521539 Manual Peak Response = 250865716 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:20
Operator : pest2:rmp
Sample   : cicv1660,42e,,pp 11880 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:13:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	90	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.176	1.318	-12.1	99	0.00
3	s	Decachlorobiphenyl		1.011	1.012	-0.1	93	0.00
4	l1	1016-1		0.021	0.024	-14.3	106	0.00
5	l1	1016-2		0.050	0.053	-6.0	94	0.00
6	l1	1016-3		0.101	0.106	-5.0	95	0.00
7	l1	1016-4		0.044	0.045	-2.3	96	0.00
8	l1	1016-5		0.045	0.047	-4.4	97	0.00
9	l2	1260-1		0.064	0.065	-1.6	95	0.00
10	l2	1260-2		0.101	0.099	2.0	92	0.00
11	l2	1260-3		0.055	0.064	-16.4	110	0.00
12	l2	1260-4		0.110	0.136	-23.6#	110	0.00
13	l2	1260-5		0.083	0.097	-16.9	107	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	89	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	86	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	93	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	88	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	90	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.064	1.153	-8.4	99	0.00
3	s	Decachlorobiphenyl		0.785	0.770	1.9	97	0.00
4	l1	1016-1		0.019	0.020	-5.3	104	0.00
5	l1	1016-2		0.045	0.045	0.0	96	0.00
6	l1	1016-3		0.091	0.090	1.1	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:20
Operator : pest2:rmp
Sample   : cicv1660,42e,,pp 11880 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:13:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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		0.037	0.036	2.7	96	0.00
8	l1	1016-5		0.031	0.029	6.5	98	0.00
9	l2	1260-1		0.054	0.051	5.6	92	0.00
10	l2	1260-2		0.067	0.065	3.0	98	0.00
11	l2	1260-3		0.054	0.053	1.9	103	0.00
12	l2	1260-4		0.096	0.106	-10.4	108	0.00
13	l2	1260-5		0.074	0.083	-12.2	114	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	90	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	90	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	90	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	92	0.00

Evaluate Continuing Calibration Report - Not Founds

15	l3	1221-1		0.011	0.000	100.0#	0#	-1.51#
16	l3	1221-2		0.00690	0.00000	100.0#	0#	-1.56#
17	l3	1221-3		0.029	0.000	100.0#	0#	-1.58#
18	l4	1254-1		0.042	0.000	100.0#	0#	-2.30#
19	l4	1254-2		0.083	0.000	100.0#	0#	-2.41#
20	l4	1254-3		0.076	0.000	100.0#	0#	-2.59#
21	l4	1254-4		0.057	0.000	100.0#	0#	-2.72#
22	l4	1254-5		0.076	0.000	100.0#	0#	-2.94#
24	l6	1242-1		0.016	0.000	100.0#	0#	-1.58#
25	l6	1242-2		0.036	0.000	100.0#	0#	-1.72#
26	l6	1242-3		0.073	0.000	100.0#	0#	-1.91#
27	l6	1242-4		0.030	0.000	100.0#	0#	-1.96#
28	l6	1242-5		0.024	0.000	100.0#	0#	-2.31#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:20
Operator : pest2:rmp
Sample   : cicv1660,42e,,pp 11880 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:13:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	0.172	0.000	100.0#	0#	-3.43#
30	l9	1268-2	0.152	0.000	100.0#	0#	-3.46#
31	l9	1268-3	0.114	0.000	100.0#	0#	-3.56#
32	l9	1268-4	0.049	0.000	100.0#	0#	-3.74#
33	l9	1268-5	0.332	0.000	100.0#	0#	-3.90#
35	l7	1248-1	0.055	0.000	100.0#	0#	-1.91#
36	l7	1248-2	0.060	0.000	100.0#	0#	-2.04#
37	l7	1248-3	0.055	0.000	100.0#	0#	-2.13#
38	l7	1248-4	0.049	0.000	100.0#	0#	-2.31#
39	l7	1248-5	0.050	0.000	100.0#	0#	-2.33#
41	l5	1232-1	0.025	0.000	100.0#	0#	-1.58#
42	l5	1232-2	0.020	0.000	100.0#	0#	-1.72#
43	l5	1232-3	0.042	0.000	100.0#	0#	-1.91#
44	l5	1232-4	0.017	0.000	100.0#	0#	-1.96#
45	l5	1232-5	0.014	0.000	100.0#	0#	-2.31#
46	l8	1262-1	0.062	0.000	100.0#	0#	-2.80#
47	l8	1262-2	0.088	0.000	100.0#	0#	-2.99#
48	l8	1262-3	0.069	0.000	100.0#	0#	-3.12#
49	l8	1262-4	0.137	0.000	100.0#	0#	-3.27#
50	l8	1262-5	0.045	0.000	100.0#	0#	-3.75#
Signal #2							
15	l3	1221-1	0.011	0.000	100.0#	0#	-1.71#
16	l3	1221-2	0.00688	0.00000	100.0#	0#	-1.77#
17	l3	1221-3	0.025	0.000	100.0#	0#	-1.80#
18	l4	1254-1	0.043	0.000	100.0#	0#	-2.63#
19	l4	1254-2	0.055	0.000	100.0#	0#	-2.72#
20	l4	1254-3	0.068	0.000	100.0#	0#	-2.95#
21	l4	1254-4	0.046	0.000	100.0#	0#	-3.06#
22	l4	1254-5	0.059	0.000	100.0#	0#	-3.33#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Nov 2024 22:20
Operator : pest2:rmp
Sample   : cicv1660,42e,,pp 11880 L250ICVRVT
Misc   : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:13:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	0.015	0.000	100.0#	0#	-1.80#
25 l6	1242-2	0.033	0.000	100.0#	0#	-1.97#
26 l6	1242-3	0.064	0.000	100.0#	0#	-2.17#
27 l6	1242-4	0.025	0.000	100.0#	0#	-2.23#
28 l6	1242-5	0.021	0.000	100.0#	0#	-2.61#
29 l9	1268-1	0.129	0.000	100.0#	0#	-3.86#
30 l9	1268-2	0.113	0.000	100.0#	0#	-3.89#
31 l9	1268-3	0.082	0.000	100.0#	0#	-4.03#
32 l9	1268-4	0.038	0.000	100.0#	0#	-4.18#
33 l9	1268-5	0.233	0.000	100.0#	0#	-4.36#
35 l7	1248-1	0.048	0.000	100.0#	0#	-2.17#
36 l7	1248-2	0.026	0.000	100.0#	0#	-2.31#
37 l7	1248-3	0.035	0.000	100.0#	0#	-2.44#
38 l7	1248-4	0.038	0.000	100.0#	0#	-2.61#
39 l7	1248-5	0.046	0.000	100.0#	0#	-2.63#
41 l5	1232-1	0.022	0.000	100.0#	0#	-1.80#
42 l5	1232-2	0.020	0.000	100.0#	0#	-1.97#
43 l5	1232-3	0.038	0.000	100.0#	0#	-2.17#
44 l5	1232-4	0.015	0.000	100.0#	0#	-2.23#
45 l5	1232-5	0.013	0.000	100.0#	0#	-2.61#
46 l8	1262-1	0.046	0.000	100.0#	0#	-3.14#
47 l8	1262-2	0.060	0.000	100.0#	0#	-3.38#
48 l8	1262-3	0.056	0.000	100.0#	0#	-3.53#
49 l8	1262-4	0.102	0.000	100.0#	0#	-3.66#
50 l8	1262-5	0.036	0.000	100.0#	0#	-4.18#

* 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\241113i\
Data File : P2241113i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:20
Operator : pest2:rmp
Sample : cicv1660,42e,,pp 11880 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:13:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	1.162	1.228	211.6E6	336.8E6	25.000	25.000
14) i	2154_1br2nb	1.162	1.228	211.6E6	336.8E6	25.000	25.000
23) i	4268_1br2nb	1.162	1.228	211.6E6	336.8E6	25.000	25.000
34) i	1248_1br2nb	1.162	1.228	211.6E6	336.8E6	25.000	25.000
40) i	3262_1br2nb	1.162	1.228	211.6E6	336.8E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.444	1.599	278.8E6	388.4E6	28.013	27.084
	Spiked Amount 20.000	Range 30 - 150		Recovery =		140.07%	135.42%
3) s	Decachlorobi	4.003	4.513	214.2E6	259.2E6	25.034	24.494
	Spiked Amount 20.000	Range 30 - 150		Recovery =		125.17%	122.47%
	Target Compounds						
4) l1	1016-1	1.582	1.798	50223123	67127402	280.745	258.664
5) l1	1016-2	1.722	1.968	111.2E6	150.4E6	265.073	245.856
6) l1	1016-3	1.910	2.168	223.5E6	302.7E6	261.820	247.363
7) l1	1016-4	1.965	2.228	95130856	120.8E6	258.079	243.037
8) l1	1016-5	2.133	2.437	99557225	98471917	263.810M4	234.336
	Sum 1016-1			579.6E6	739.5E6	1329.528	1229.255
	Average 1016-1					265.906	245.851
9) l2	1260-1	2.674	3.044	138.5E6	173.4E6	257.318	237.327
10) l2	1260-2	2.804	3.146	210.2E6	218.0E6	246.923	241.807
11) l2	1260-3	3.119	3.536	134.9E6	179.9E6	290.814	245.098
12) l2	1260-4	3.274	3.665	286.7E6	358.3E6	308.140	277.906
13) l2	1260-5	3.421	3.866	204.9E6	280.9E6	290.539M1	280.055
	Sum 1260-1			975.2E6	1210.4E6	1393.735	1282.192
	Average 1260-1					278.747	256.438
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:20
Operator : pest2:rmp
Sample : cicv1660,42e,,pp 11880 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:13:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					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

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:20
Operator : pest2:rmp
Sample : cicv1660,42e,,pp 11880 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:13:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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

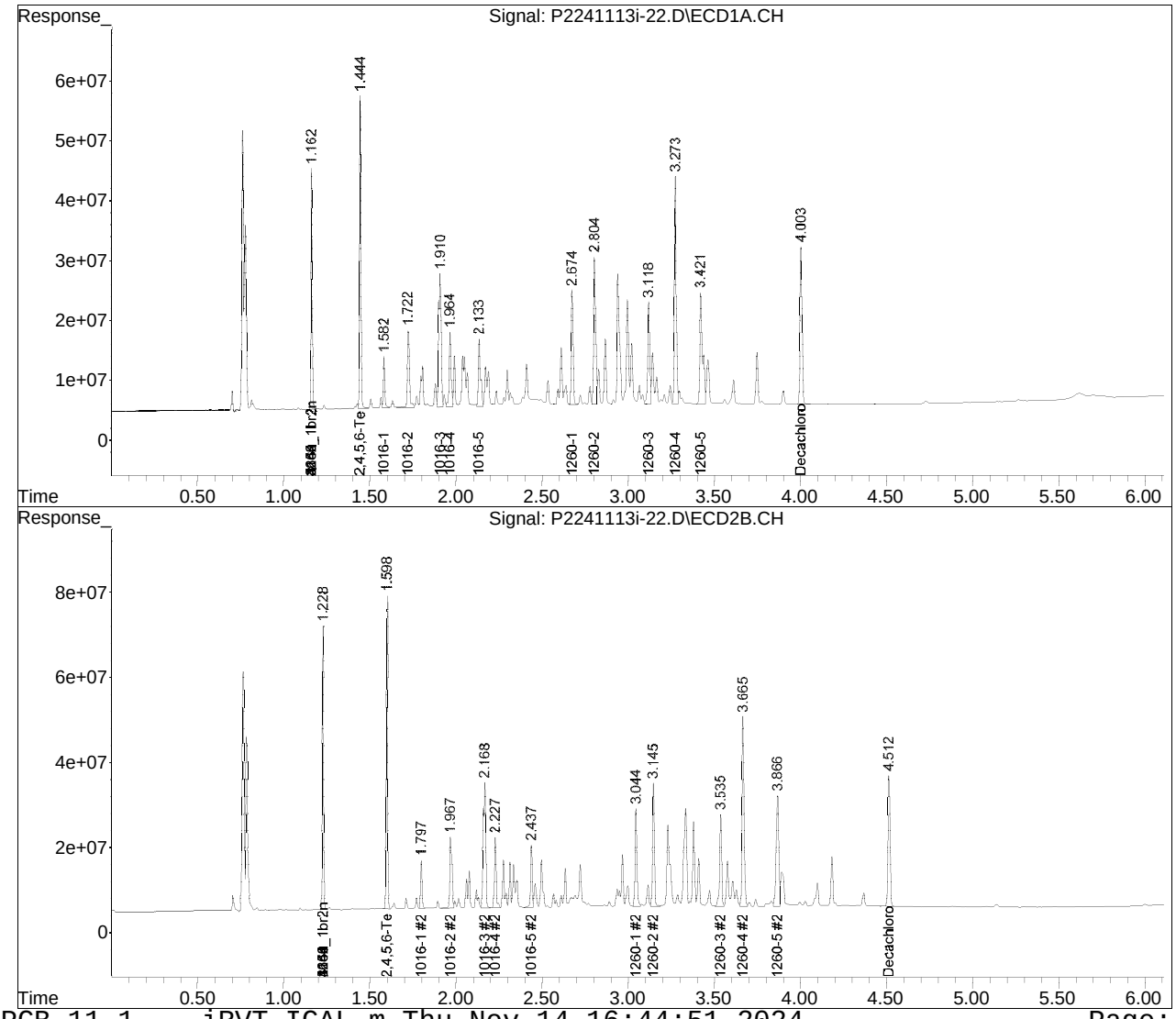
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\241113i\
Data File : P2241113i-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2024 22:20
Operator : pest2:rmp
Sample : cicv1660,42e,,pp 11880 L250ICVRVT
Misc : WG1997644, (Sig #1); (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 14 13:13:05 2024
Quant Method : I:\PCB\Pest2\2024\241113I\P2_PCB_11_13_24_iRVT_ICAL.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

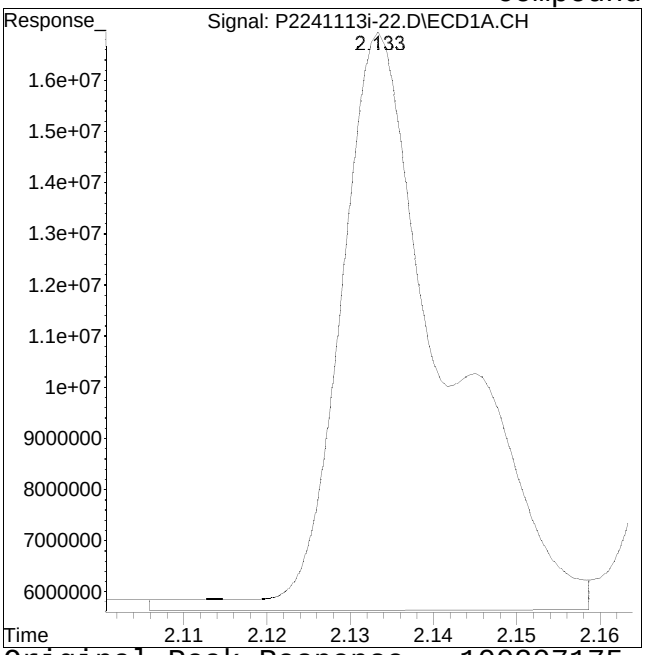
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



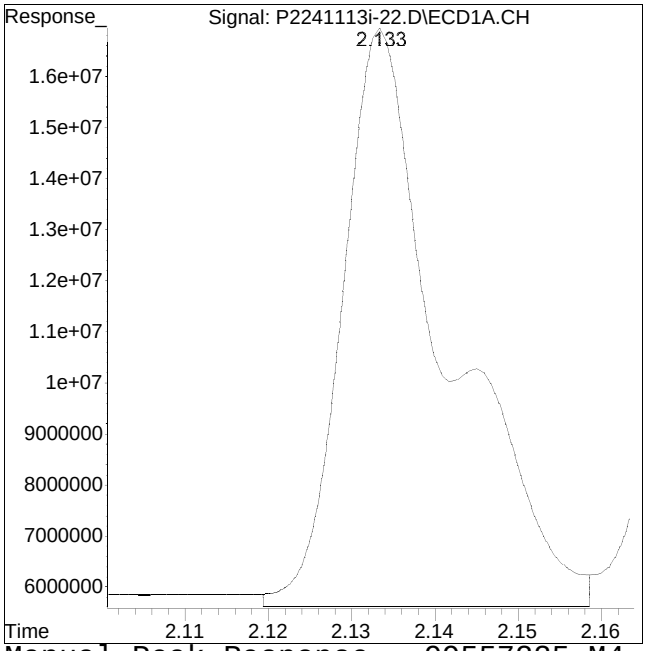
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-22.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 22:20 Instrument : Pest 2
Sample : cicv1660,42e,,pp 11880 L25Quant Date : 11/14/2024 1:13 pm

Compound #8: 1016-5



Original Peak Response = 100207175

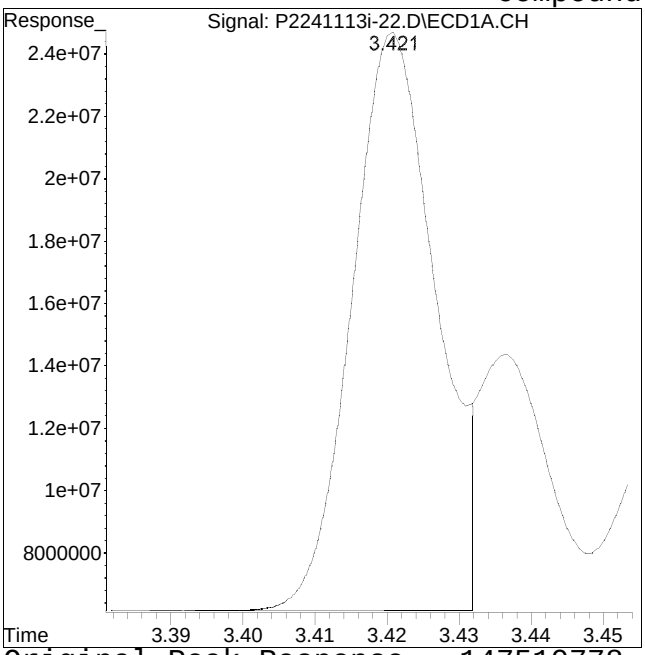


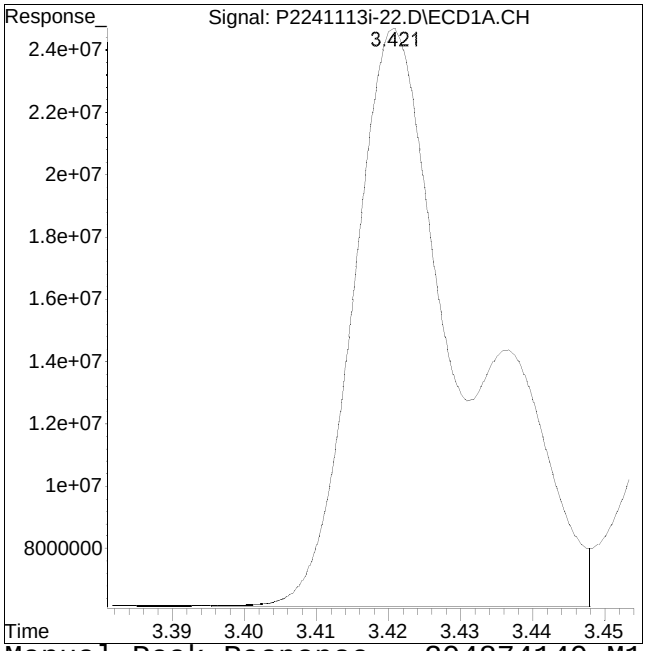
Manual Peak Response = 99557225 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241113i\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241113i-22.D Operator : pest2:rmp
Date Inj'd : 11/13/2024 22:20 Instrument : Pest 2
Sample : cicv1660,42e,,pp 11880 L25Quant Date : 11/14/2024 1:13 pm

Compound #13: 1260-5





Original Peak Response = 147510778 Manual Peak Response = 204874140 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Continuing Calibration

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: PEST2	**Calibration Date**	: 11/24/24 08:59		
Lab File ID	: P2241124a-04	**Init. Calib. Date(s)**	: 11/13/24	11/13/24	
Sample No	: WG2001659-1	**Init. Calib. Times**	: 19:31	21:33	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	112	0
2,4,5,6-Tetrachloro-m-xylen	1.176	1.277	-	-8.6	20	118	0
Decachlorobiphenyl	1.011	0.992	-	1.9	20	113	0
1016-1	0.021	0.022	-	-4.8	20	123	0
1016-2	0.05	0.051	-	-2	20	112	0
1016-3	0.101	0.101	-	0	20	112	0
1016-4	0.044	0.042	-	4.5	20	110	0
1016-5	0.045	0.043	-	4.4	20	110	0
1260-1	0.064	0.062	-	3.1	20	112	0
1260-2	0.101	0.095	-	5.9	20	109	0
1260-3	0.055	0.06	-	-9.1	20	128	0
1260-4	0.11	0.131	-	-19.1	20	132	0
1260-5	0.083	0.092	-	-10.8	20	125	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: PEST2		**Calibration Date**	: 11/24/24 08:59	
Lab File ID	: P2241124a-04		**Init. Calib. Date(s)**	: 11/13/24	11/13/24
Sample No	: WG2001659-1		**Init. Calib. Times**	: 19:31	21:33
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	102	0
2,4,5,6-Tetrachloro-m-xylen	1.064	1.206	-	-13.3	20	117	0
Decachlorobiphenyl #2	0.785	0.835	-	-6.4	20	119	0
1016-1 #2	0.019	0.021	-	-10.5	20	123	0
1016-2 #2	0.045	0.046	-	-2.2	20	112	0
1016-3 #2	0.091	0.092	-	-1.1	20	109	0
1016-4 #2	0.037	0.037	-	0	20	111	0
1016-5 #2	0.031	0.033	-	-6.5	20	125	0
1260-1 #2	0.054	0.059	-	-9.3	20	119	0
1260-2 #2	0.067	0.071	-	-6	20	120	0
1260-3 #2	0.054	0.059	-	-9.3	20	129	0
1260-4 #2	0.096	0.118	-	-22.9*	20	135	0
1260-5 #2	0.074	0.084	-	-13.5	20	129	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 8:59
Operator : pest2:sdc
Sample : wg2001659-1,42,, +1660 icv lvi pp11880 (Sig #1); +1660 icv lvi pp1
1880 (Sig #2)
Misc : wg2001659,,ICAL21708
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 24 09:40:29 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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		1.176	1.277	-8.6	118	0.00
3	s	Decachlorobiphenyl		1.011	0.992	1.9	113	0.00
4	l1	1016-1		0.021	0.022	-4.8	123	0.00
5	l1	1016-2		0.050	0.051	-2.0	112	0.00
6	l1	1016-3		0.101	0.101	0.0	112	0.00
7	l1	1016-4		0.044	0.042	4.5	110	0.00
8	l1	1016-5		0.045	0.043	4.4	110	0.00
9	l2	1260-1		0.064	0.062	3.1	112	0.00
10	l2	1260-2		0.101	0.095	5.9	109	0.00
11	l2	1260-3		0.055	0.060	-9.1	128	0.00
12	l2	1260-4		0.110	0.131	-19.1	132	0.00
13	l2	1260-5		0.083	0.092	-10.8	125	0.00
52	i	1660_1br2nb #2	^	1.000	1.000	0.0	102	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen		1.064	1.206	-13.3	117	0.00
54	s	Decachlorobiphenyl #2		0.785	0.835	-6.4	119	0.00
55	l1	1016-1 #2		0.019	0.021	-10.5	123	0.00
56	l1	1016-2 #2		0.045	0.046	-2.2	112	0.00
57	l1	1016-3 #2		0.091	0.092	-1.1	109	0.00
58	l1	1016-4 #2		0.037	0.037	0.0	111	0.00
59	l1	1016-5 #2		0.031	0.033	-6.5	125	0.00
60	l2	1260-1 #2		0.054	0.059	-9.3	119	0.00
61	l2	1260-2 #2		0.067	0.071	-6.0	120	0.00
62	l2	1260-3 #2		0.054	0.059	-9.3	129	0.00
63	l2	1260-4 #2		0.096	0.118	-22.9#	135	0.00
64	l2	1260-5 #2		0.074	0.084	-13.5	129	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 24 Nov 2024   8:59
Operator : pest2:sdc
Sample   : wg2001659-1,42,, +1660 icv lvi pp11880 (Sig #1); +1660 icv lvi pp1
1880 (Sig #2)
Misc   : wg2001659,,ICAL21708
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 24 09:40:29 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\
Data File : P2241124a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 8:59
Operator : pest2:sdc
Sample : wg2001659-1,42,, +1660 icv lvi pp11880 (Sig #1); +1660 icv lvi pp1
1880 (Sig #2)
Misc : wg2001659,,ICAL21708
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 24 09:40:29 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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	1.159	1.224	261.1E6	379.6E6	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.441	1.593	333.6E6	458.0E6	27.153	28.339
Spiked Amount 20.000	Range 30 - 150		Recovery =		135.77%	141.69%
3) s Decachlorobi	4.003	4.505	259.1E6	317.0E6	24.535	26.582
Spiked Amount 20.000	Range 30 - 150		Recovery =		122.68%	132.91%
Target Compounds						
4) l1 1016-1	1.579	1.792	58245421	79422591	263.782	271.545
5) l1 1016-2	1.718	1.962	132.1E6	175.8E6	255.103M1	254.961
6) l1 1016-3	1.907	2.161	263.8E6	349.5E6	250.395	253.374
7) l1 1016-4	1.961	2.221	109.7E6	140.0E6	241.112	249.789
8) l1 1016-5	2.131	2.430	112.7E6	124.9E6	241.841	263.821
Sum 1016-1			676.5E6	869.6E6	1252.233	1293.490
Average 1016-1					250.447	258.698
9) l2 1260-1	2.672	3.036	162.9E6	225.5E6	245.228	273.867
10) l2 1260-2	2.802	3.138	248.0E6	268.5E6	236.019	264.281
11) l2 1260-3	3.117	3.528	157.1E6	225.5E6	274.324	272.600
12) l2 1260-4	3.272	3.657	343.2E6	448.3E6	298.861	308.559
13) l2 1260-5	3.419	3.859	240.7E6	317.6E6	276.550M1	281.027
Sum 1260-1			1151.9E6	1485.4E6	1330.981	1400.334
Average 1260-1					266.196	280.067
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 8:59
Operator : pest2:sdc
Sample : wg2001659-1,42,, +1660 icv lvi pp11880 (Sig #1); +1660 icv lvi pp1
1880 (Sig #2)
Misc : wg2001659,,ICAL21708
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 24 09:40:29 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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
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

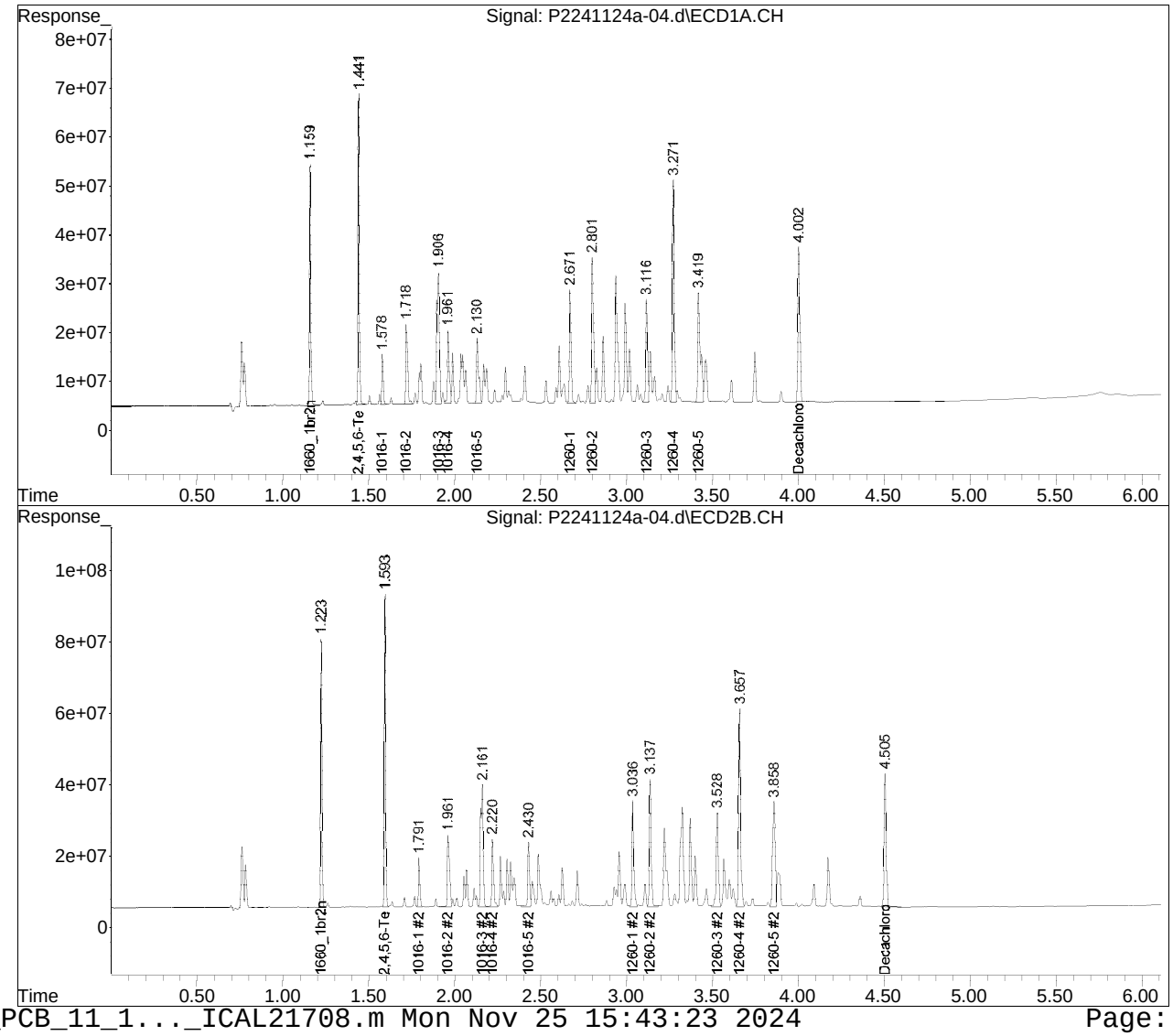
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 8:59
Operator : pest2:sdc
Sample : wg2001659-1,42,, +1660 icv lvi pp11880 (Sig #1); +1660 icv lvi pp1
Misc : wg2001659,,ICAL21708
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 24 09:40:29 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

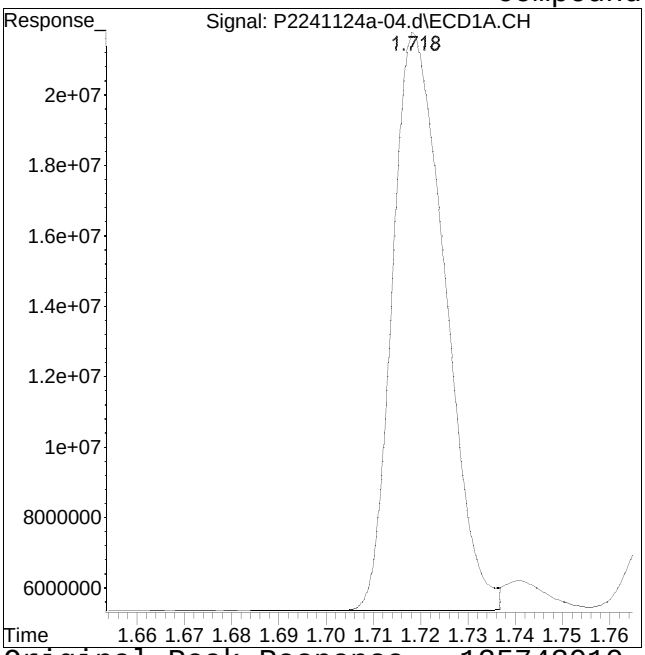
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

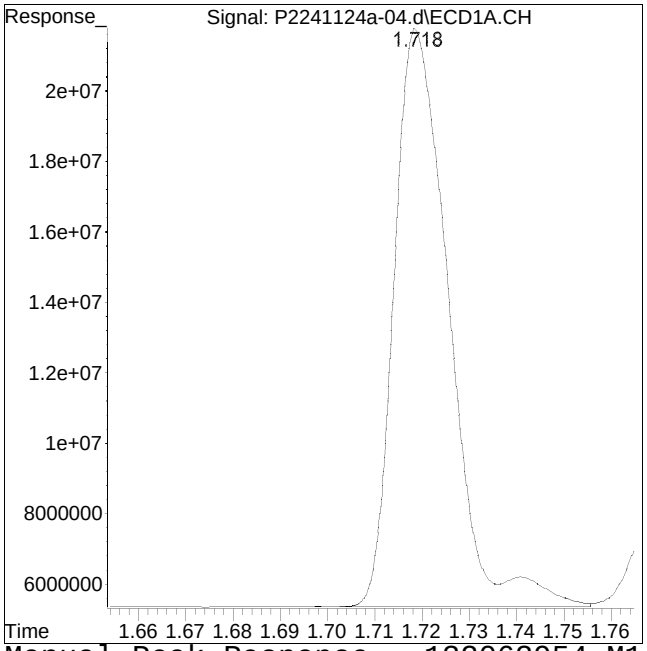


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-04.d Operator : pest2:sdc
Date Inj'd : 11/24/2024 8:59 Instrument : Pest 2
Sample : wg2001659-1,42,, +1660 icvQuant Date : 11/24/2024 9:40 am

Compound #5: 1016-2



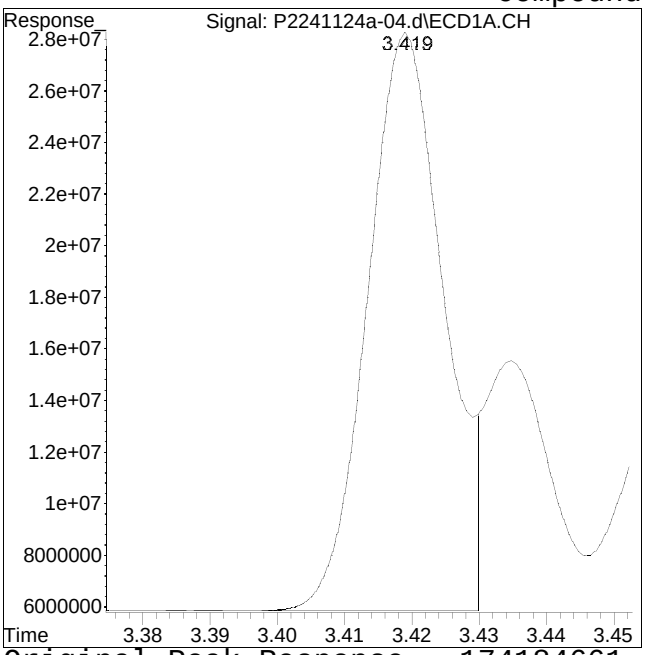


Original Peak Response = 125743910 Manual Peak Response = 132063954 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

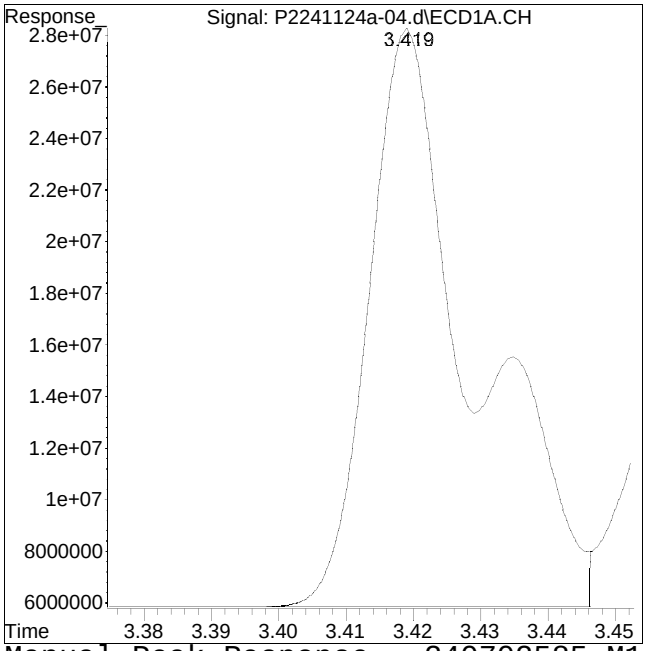
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-04.d Operator : pest2:sdc
Date Inj'd : 11/24/2024 8:59 Instrument : Pest 2
Sample : wg2001659-1,42,, +1660 icvQuant Date : 11/24/2024 9:40 am

Compound #13: 1260-5



Original Peak Response = 174184661



Manual Peak Response = 240702585 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

RT Shift Summary

Identification Summary
Form 10
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**

No Detections Found

Aroclor Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 10:59
Operator : pest2:meo
Sample : WG2001590-1,42,,
Misc : WG2001659,WG2001590,ICAL21708 (Sig #1); WG2001659,WG2001667,ICAL21708 (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:03 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.164	1.224	278.2E6	468.5E6	25.000M4	25.000
	Standard Area 1 : #1 = 261129048				Recovery = 106.53%		
	Standard Area 1 : #2 = 379581996				Recovery = 123.41%		
14) i	2154_1br2nb	1.164	1.224	278.2E6	468.5E6	25.000M4	25.000
23) i	4268_1br2nb	1.164	1.224	278.2E6	468.5E6	25.000M4	25.000
34) i	1248_1br2nb	1.164	1.224	278.2E6	468.5E6	25.000M4	25.000
40) i	3262_1br2nb	1.164	1.224	278.2E6	468.5E6	25.000M4	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.449	1.595	245.2E6	355.5E6	18.735	17.826
	Spiked Amount 20.000	Range 30 - 150			Recovery = 93.67%		89.13%
3) s	Decachlorobi	4.019	4.510	188.5E6	231.4E6	16.758M4	15.726
	Spiked Amount 20.000	Range 30 - 150			Recovery = 83.79%		78.63%
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\241124a\
Data File : P2241124a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 10:59
Operator : pest2:meo
Sample : WG2001590-1,42,,
Misc : WG2001659,WG2001590,ICAL21708 (Sig #1); WG2001659,WG2001667,ICAL21708 (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:03 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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 1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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. 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.	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. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 10:59
Operator : pest2:meo
Sample : WG2001590-1,42,,
Misc : WG2001659,WG2001590,ICAL21708 (Sig #1); WG2001659,WG2001667,ICAL21708 (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:03 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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. d	N.D. 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.	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\241124a\
Data File : P2241124a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 10:59
Operator : pest2:meo
Sample : WG2001590-1,42,,
Misc : WG2001659,WG2001590,ICAL21708 (Sig #1); WG2001659,WG2001667,ICAL21708 (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:03 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : Default - All compounds listed

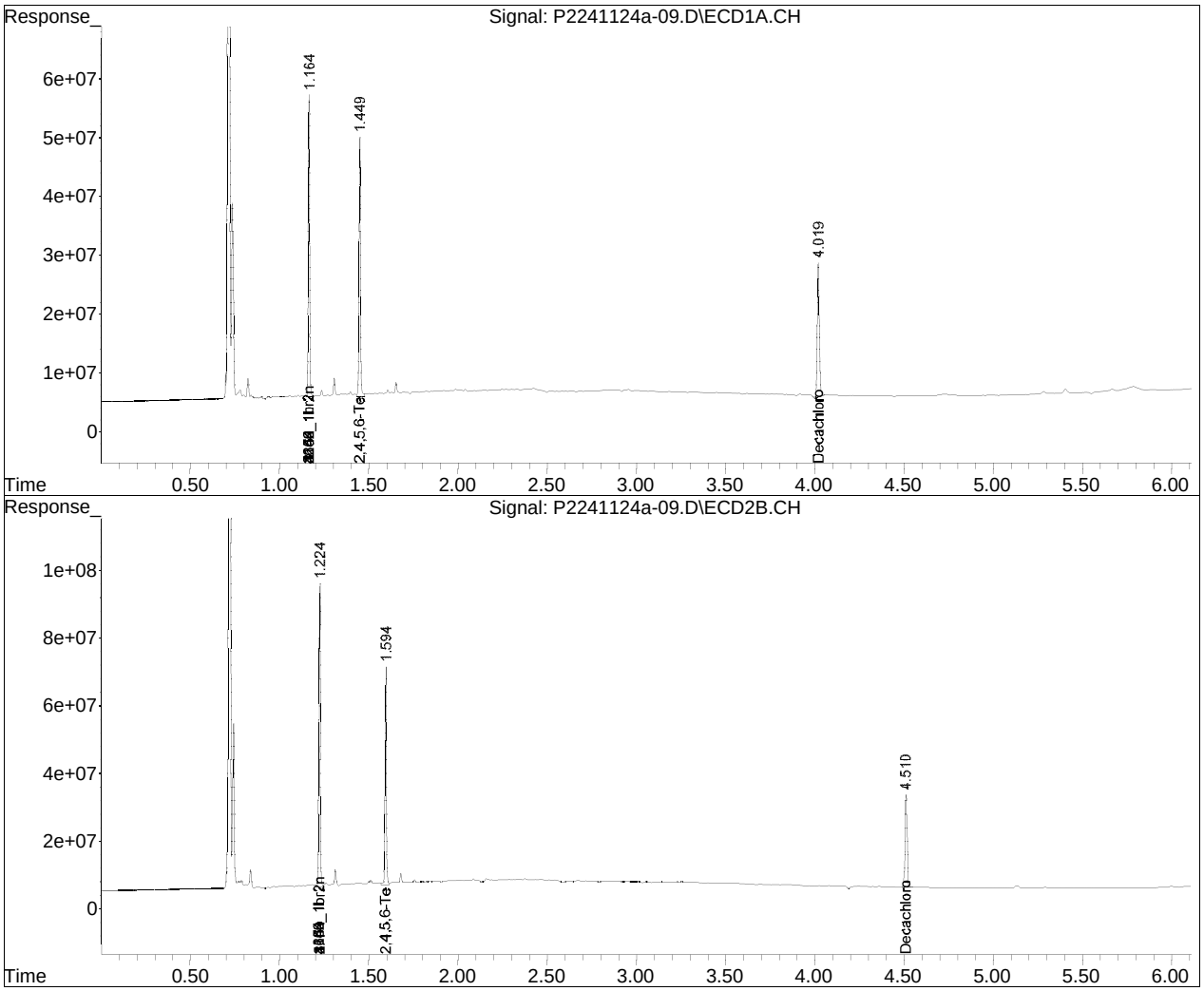
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 10:59
Operator : pest2:meo
Sample : WG2001590-1,42,,
Misc : WG2001659,WG2001590,ICAL21708 (Sig #1); WG2001659,WG2001667,ICAL21
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:03 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

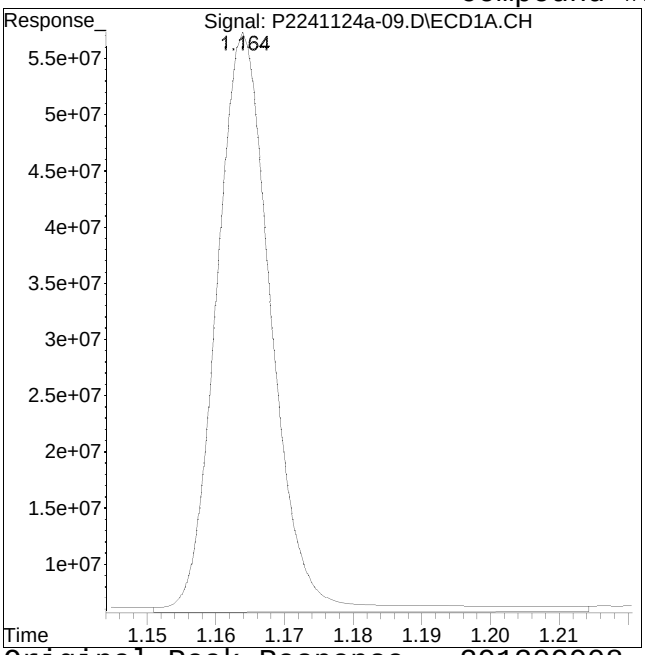
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

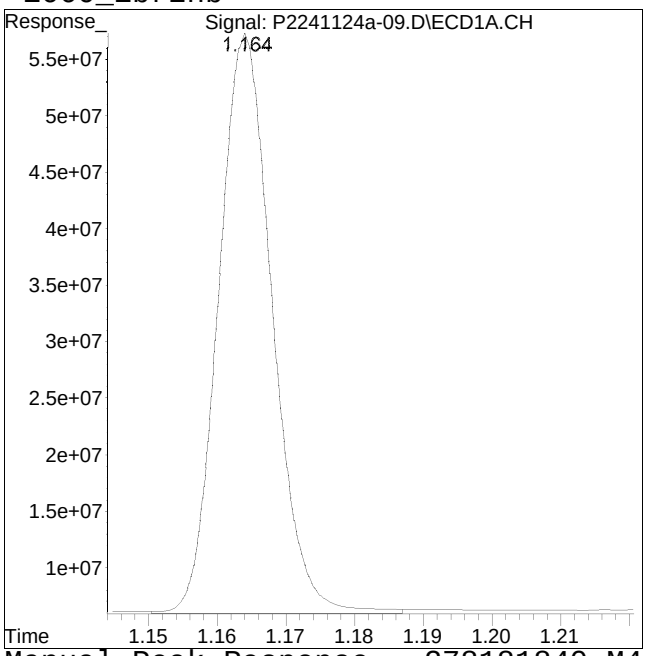


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-09.D Operator : pest2:meo
Date Inj'd : 11/24/2024 10:59 Instrument : Pest 2
Sample : WG2001590-1,42,, Quant Date : 11/25/2024 3:44 pm

Compound #1: 1660_1br2nb



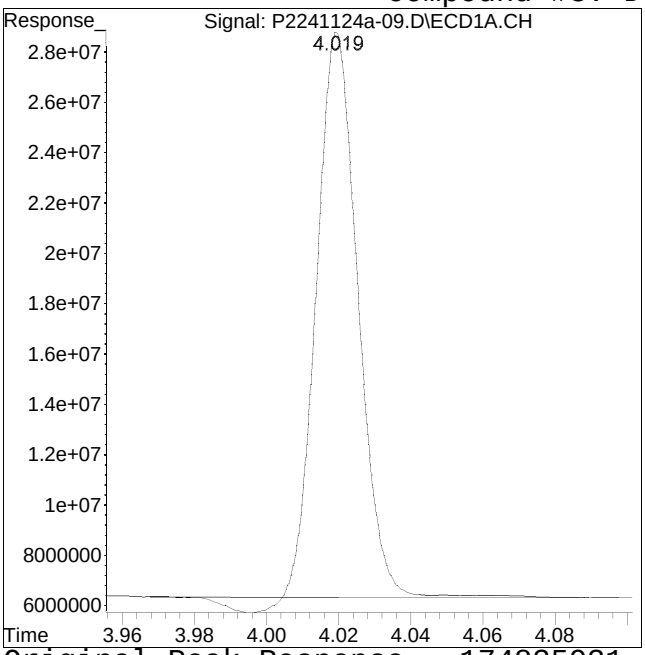


Original Peak Response = 291309908 Manual Peak Response = 278181840 M4
M4 = Poor automated baseline construction.

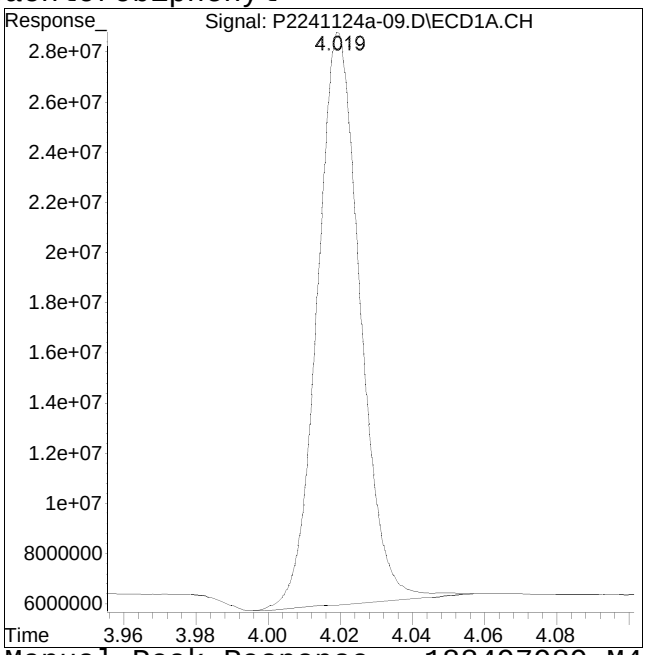
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-09.D Operator : pest2:meo
Date Inj'd : 11/24/2024 10:59 Instrument : Pest 2
Sample : WG2001590-1,42,, Quant Date : 11/25/2024 3:44 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 174835931



Manual Peak Response = 188497989 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 11:08
Operator : pest2:meo
Sample : WG2001590-2,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:06 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.160	1.224	280.5E6	413.7E6	25.000	25.000
Standard Area 1 : #1 = 261129048				Recovery =	107.43%	
Standard Area 1 : #2 = 379581996				Recovery =	108.98%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.442	1.593	232.2E6	323.1E6	17.594	18.347
Spiked Amount 20.000	Range 30 - 150		Recovery =	87.97%	91.74%	
3) s Decachlorobi	4.006	4.506	190.2E6	222.2E6	16.763	17.098
Spiked Amount 20.000	Range 30 - 150		Recovery =	83.82%	85.49%	
Target Compounds						
4) l1 1016-1	1.580	1.792	49017382	76330838	206.628	239.478
5) l1 1016-2	1.721	1.962	114.5E6	164.3E6	205.906	218.760
6) l1 1016-3	1.908	2.162	227.5E6	324.5E6	200.983	215.866
7) l1 1016-4	1.963	2.221	96400622	133.0E6	197.216	217.859
8) l1 1016-5	2.133	2.430	100.8E6	106.5E6	201.327	206.290M4
Sum 1016-1			588.2E6	804.6E6	1012.060	1098.254
Average 1016-1					202.412	219.651
9) l2 1260-1	2.674	3.037	139.6E6	206.2E6	195.597	229.725
10) l2 1260-2	2.804	3.139	216.0E6	233.1E6	191.329	210.543
11) l2 1260-3	3.119	3.530	134.4E6	196.3E6	218.414	217.837
12) l2 1260-4	3.274	3.659	299.8E6	384.9E6	243.042	243.051
13) l2 1260-5	3.421	3.859	217.4E6	277.7E6	232.529M1	225.489
Sum 1260-1			1007.3E6	1298.2E6	1080.910	1126.645
Average 1260-1					216.182	225.329
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 11:08
Operator : pest2:meo
Sample : WG2001590-2,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:06 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
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

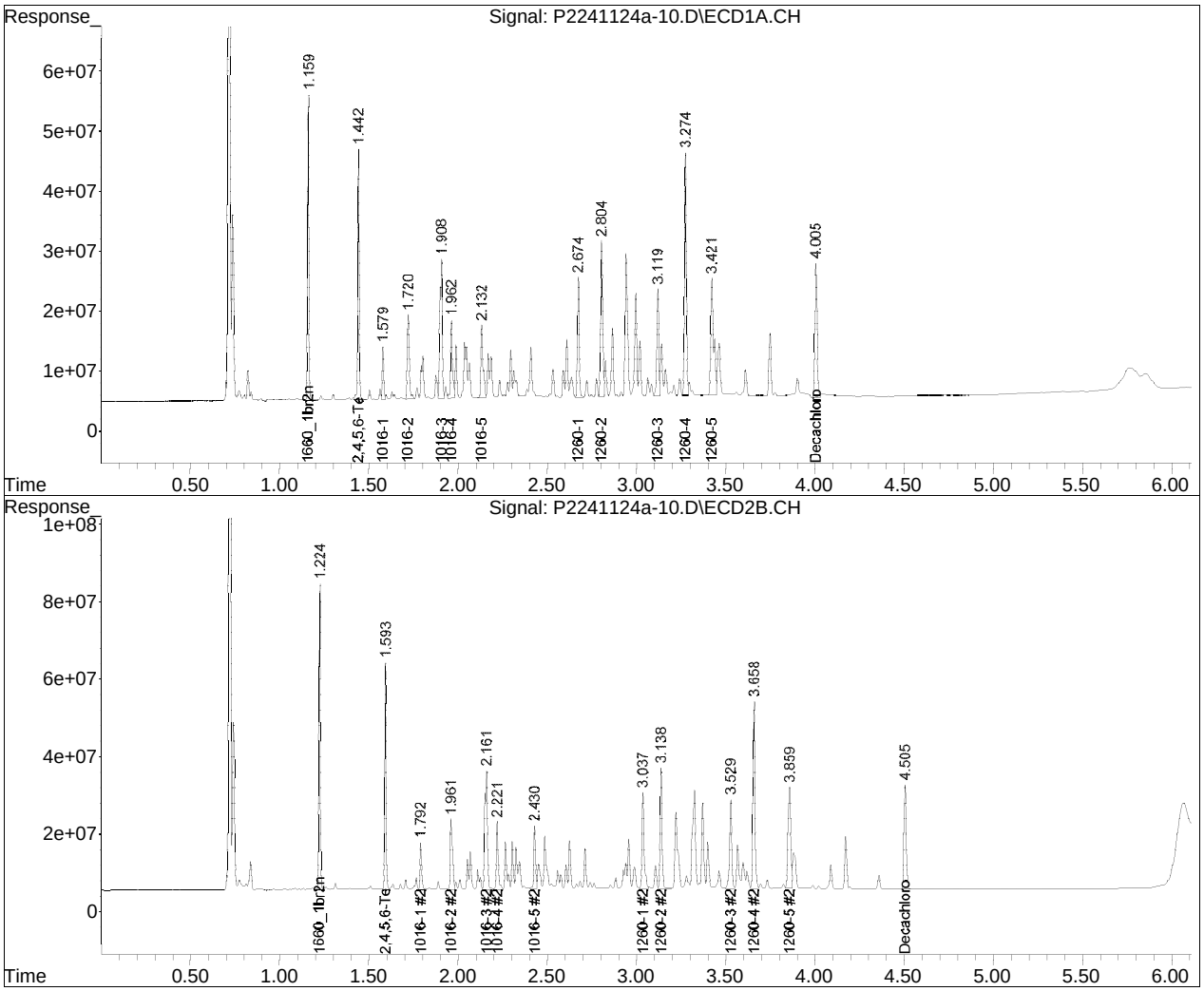
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\241124a\P2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 11:08
Operator : pest2:meo
Sample : WG2001590-2,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:06 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

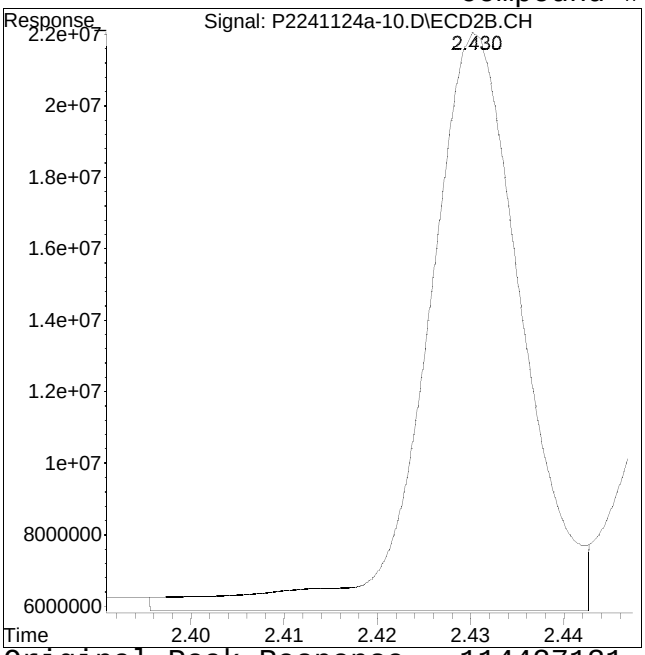
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

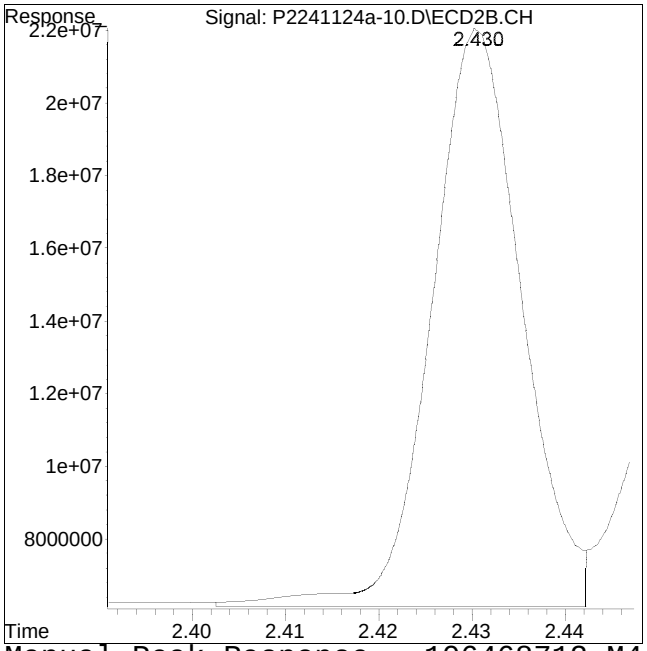


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-10.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:08 Instrument : Pest 2
Sample : WG2001590-2,42,, Quant Date : 11/25/2024 3:44 pm

Compound #59: 1016-5 #2



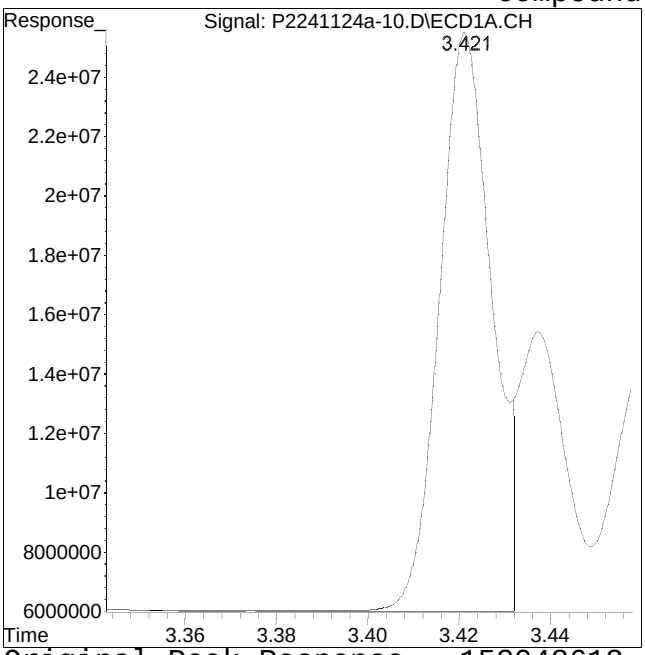


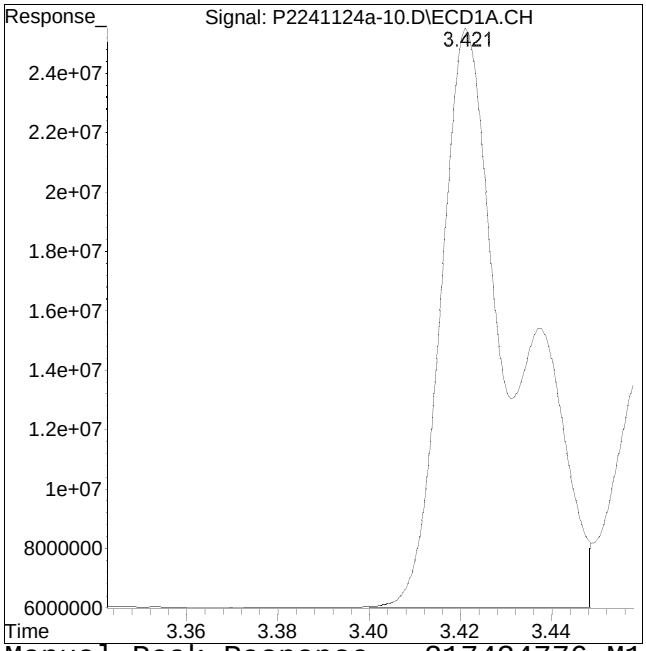
Original Peak Response = 114427131 Manual Peak Response = 106468712 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-10.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:08 Instrument : Pest 2
Sample : WG2001590-2,42,, Quant Date : 11/25/2024 3:44 pm

Compound #13: 1260-5





Original Peak Response = 152042613 Manual Peak Response = 217434776 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\241124a\
Data File : P2241124a-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 11:18
Operator : pest2:meo
Sample : WG2001590-3,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:09 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.160	1.224	263.5E6	379.8E6	25.000	25.000
Standard Area 1 : #1 = 261129048				Recovery =	100.90%	
Standard Area 1 : #2 = 379581996				Recovery =	100.05%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.442	1.594	222.3E6	293.2E6	17.932	18.134
Spiked Amount	20.000	Range 30 - 150		Recovery =	89.66%	90.67%
3) s Decachlorobi	4.004	4.505	173.2E6	203.3E6	16.262	17.037M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	81.31%	85.19%
Target Compounds						
4) l1 1016-1	1.580	1.793	48029853	64653385	215.587	220.948
5) l1 1016-2	1.721	1.962	105.5E6	145.0E6	201.950	210.220
6) l1 1016-3	1.908	2.162	216.5E6	291.1E6	203.705	210.977
7) l1 1016-4	1.963	2.222	94956569	114.9E6	206.851	205.032
8) l1 1016-5	2.132	2.431	101.9E6	106.3E6	216.735	224.292
Sum 1016-1			566.9E6	722.0E6	1044.828	1071.470
Average 1016-1					208.966	214.294
9) l2 1260-1	2.673	3.037	131.5E6	190.1E6	196.240	230.745M4
10) l2 1260-2	2.803	3.139	202.2E6	201.7E6	190.692	198.443M4
11) l2 1260-3	3.118	3.529	127.1E6	169.9E6	219.930	205.309M4
12) l2 1260-4	3.273	3.659	278.7E6	345.7E6	240.565M4	237.836M4
13) l2 1260-5	3.420	3.859	206.5E6	249.4E6	235.160M1	220.547M4
Sum 1260-1			946.0E6	1156.8E6	1082.587	1092.880
Average 1260-1					216.517	218.576
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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\241124a\
Data File : P2241124a-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 11:18
Operator : pest2:meo
Sample : WG2001590-3,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:09 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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

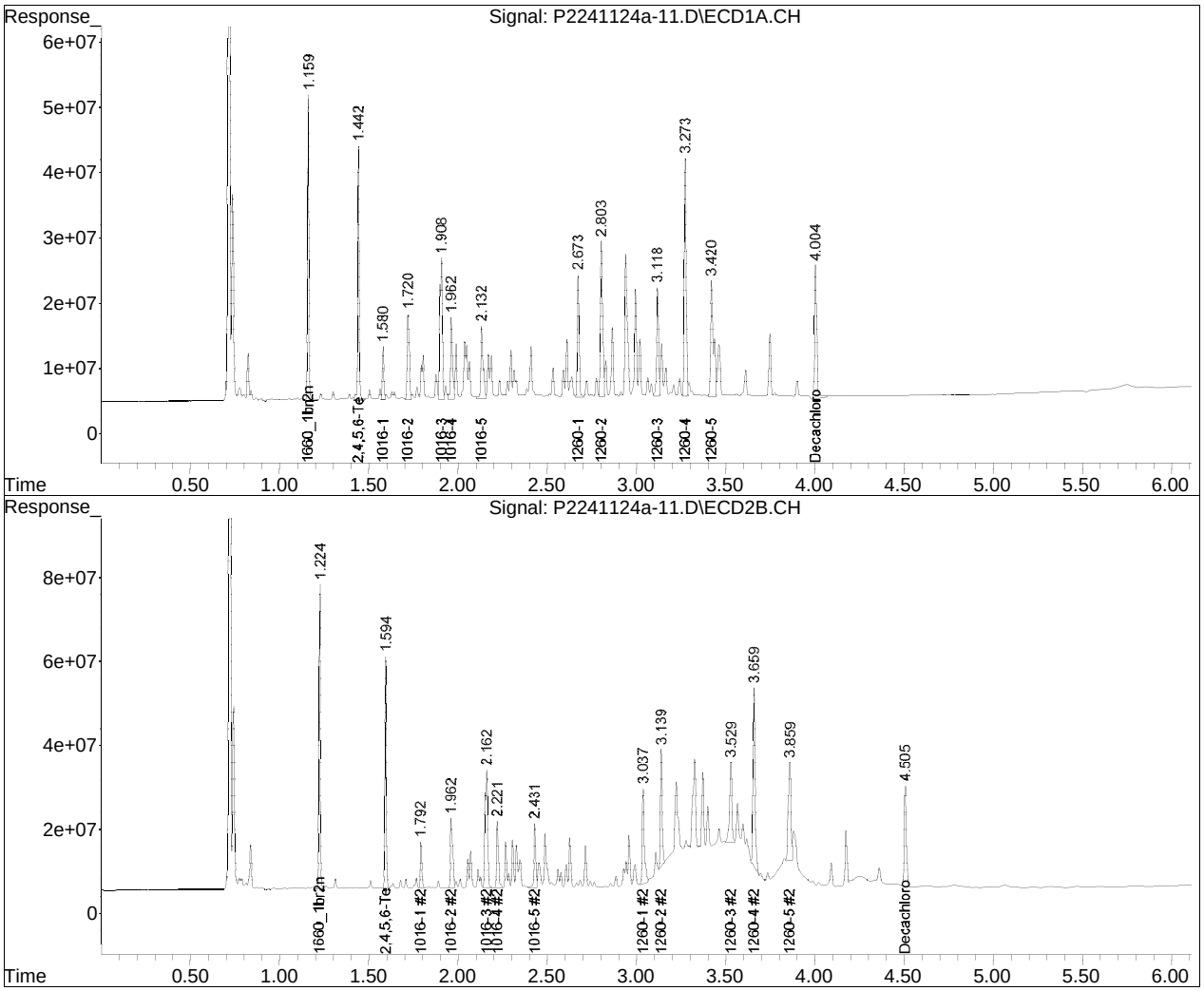
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : 1660 - 1660Pest2\2024\241124a\P2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 11:18
Operator : pest2:meo
Sample : WG2001590-3,42,,
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 25 15:44:09 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

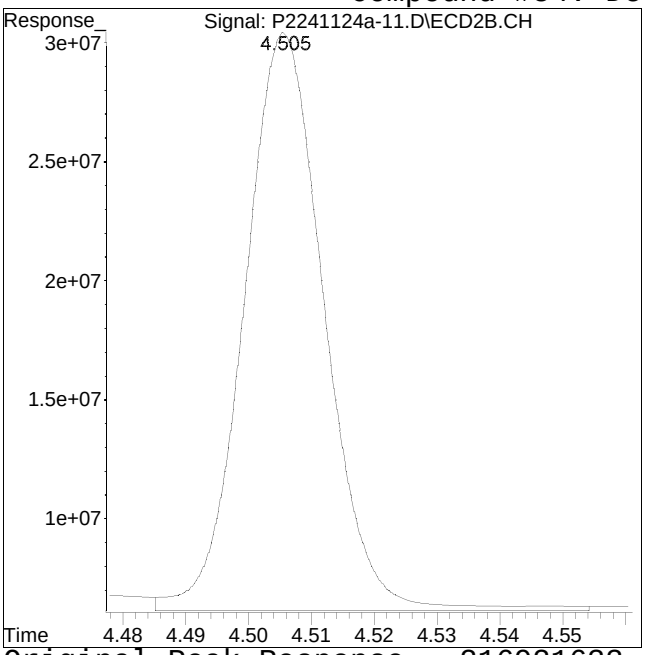
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



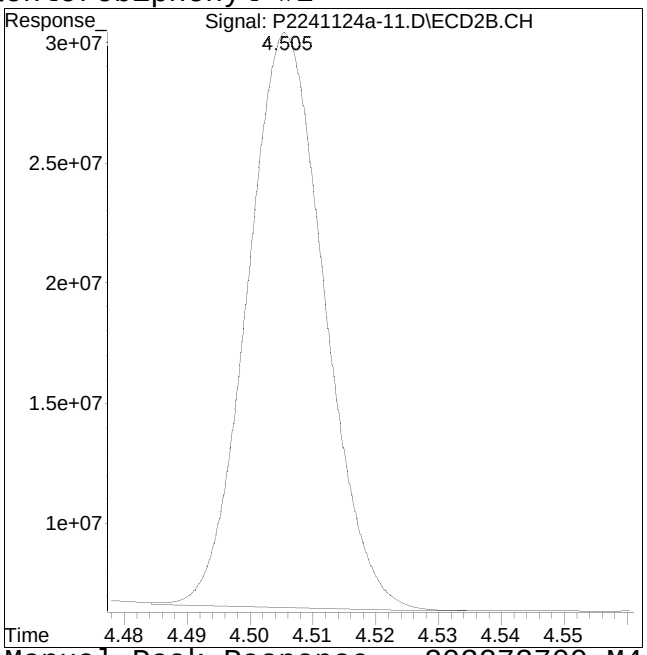
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-11.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:18 Instrument : Pest 2
Sample : WG2001590-3,42,, Quant Date : 11/25/2024 3:44 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 216921633



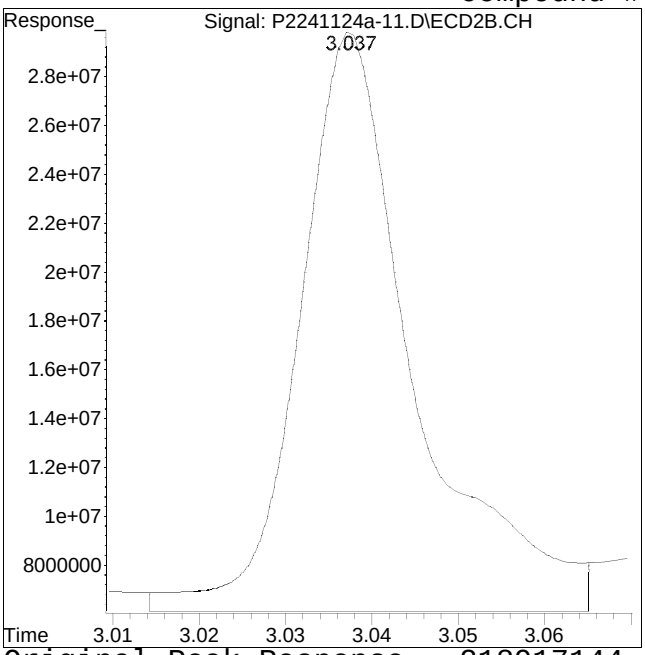
Manual Peak Response = 203273700 M4

M4 = Poor automated baseline construction.

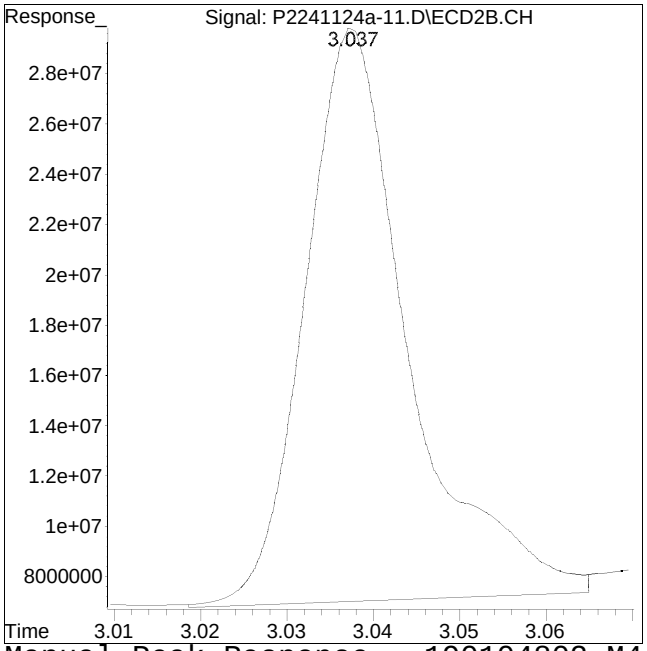
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-11.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:18 Instrument : Pest 2
Sample : WG2001590-3,42,, Quant Date : 11/25/2024 3:44 pm

Compound #60: 1260-1 #2



Original Peak Response = 218917144



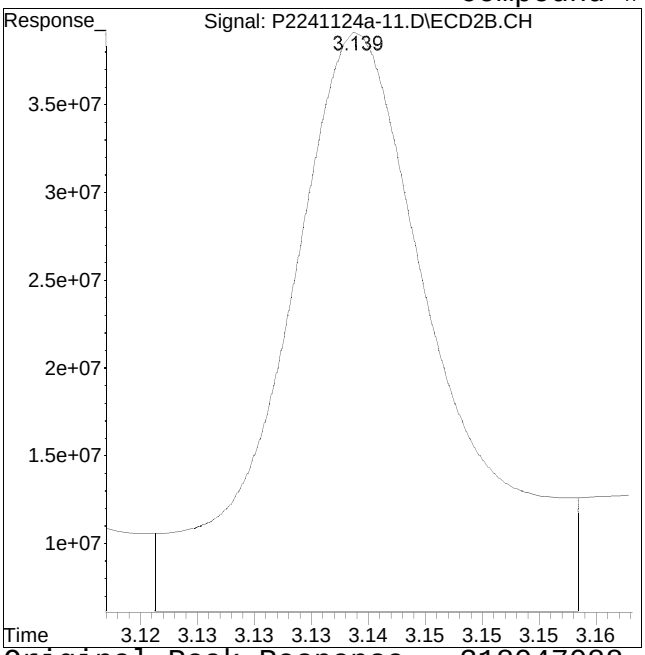
Manual Peak Response = 190104802 M4

M4 = Poor automated baseline construction.

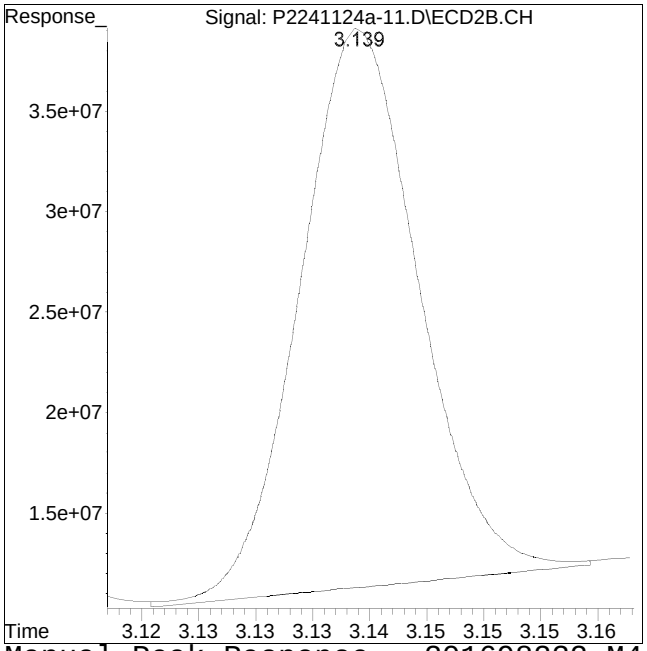
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-11.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:18 Instrument : Pest 2
Sample : WG2001590-3,42,, Quant Date : 11/25/2024 3:44 pm

Compound #61: 1260-2 #2



Original Peak Response = 318047088



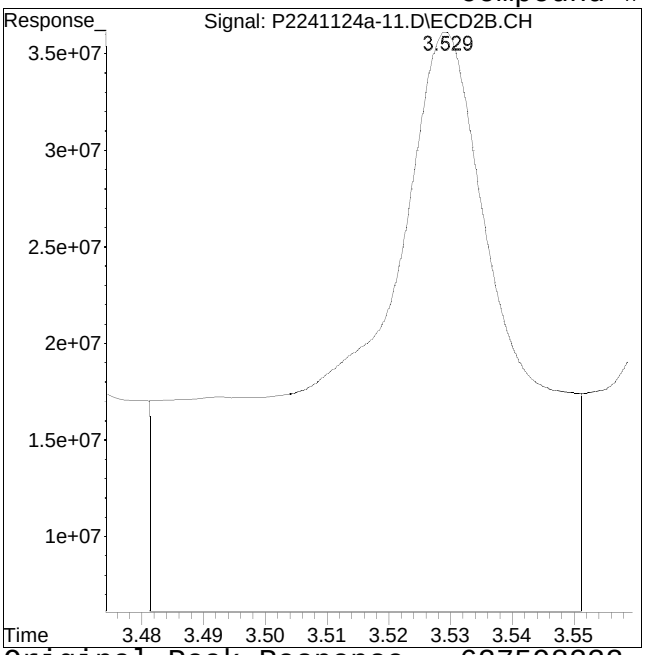
Manual Peak Response = 201698232 M4

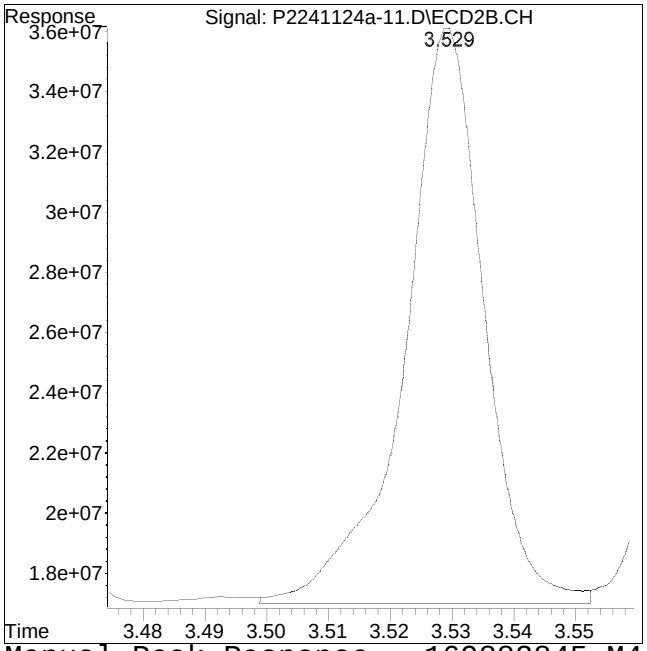
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-11.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:18 Instrument : Pest 2
Sample : WG2001590-3,42,, Quant Date : 11/25/2024 3:44 pm

Compound #62: 1260-3 #2



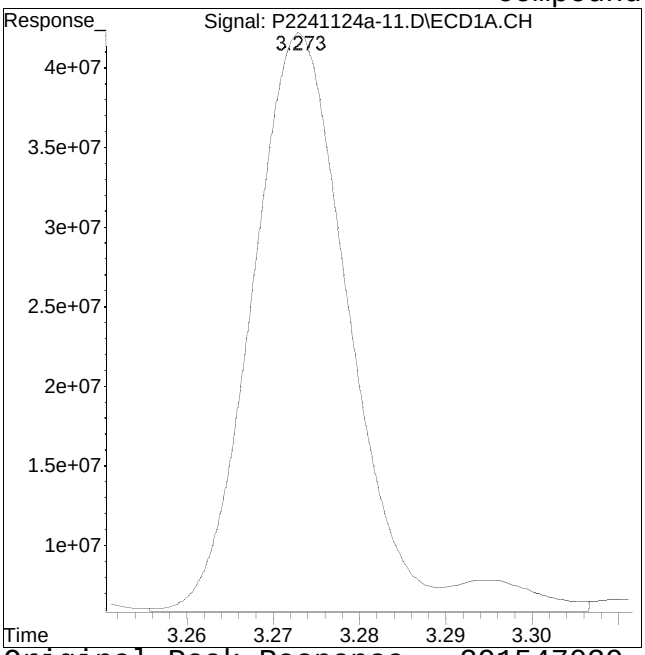


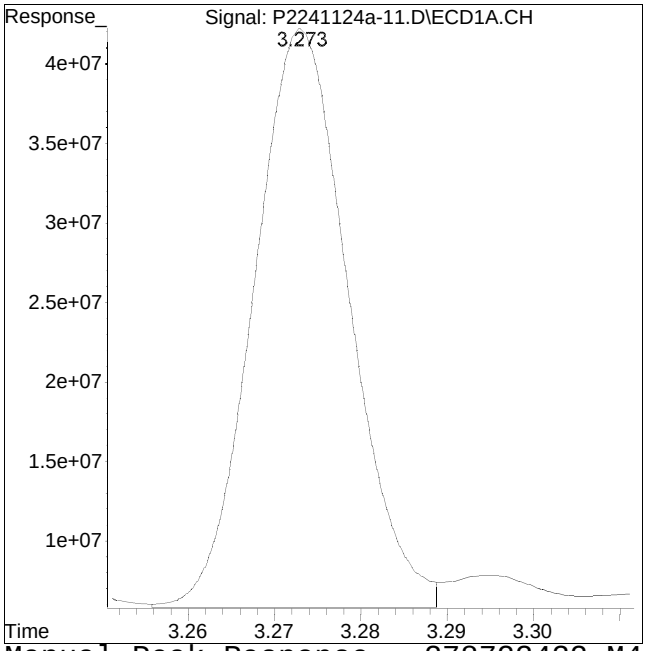
Original Peak Response = 627598332 Manual Peak Response = 169882845 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-11.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:18 Instrument : Pest 2
Sample : WG2001590-3,42,, Quant Date : 11/25/2024 3:44 pm

Compound #12: 1260-4



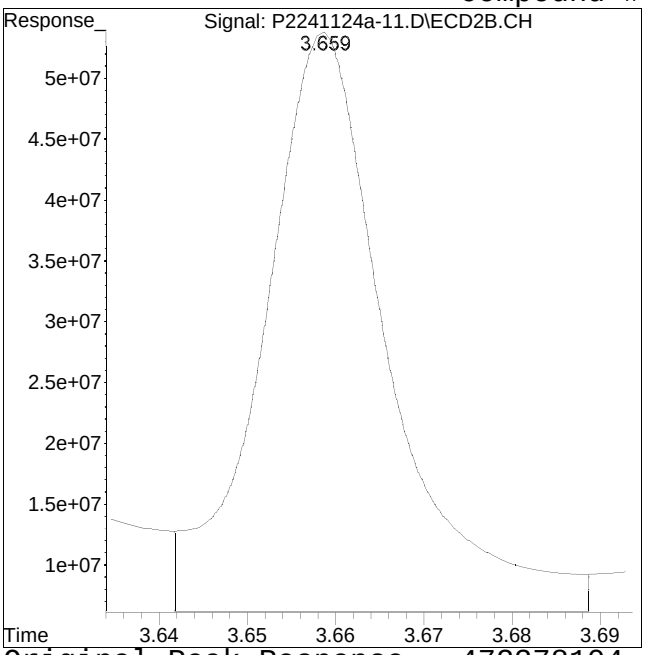


Original Peak Response = 291547039 Manual Peak Response = 278723432 M4
M4 = Poor automated baseline construction.

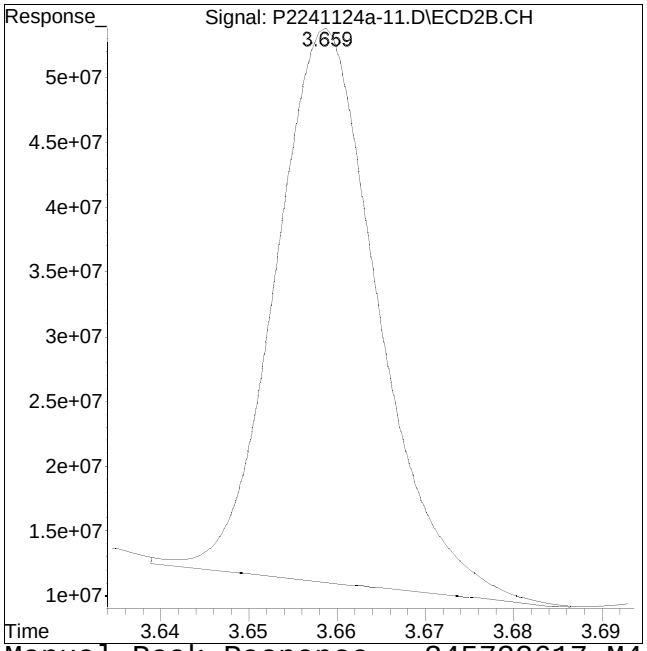
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-11.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:18 Instrument : Pest 2
Sample : WG2001590-3,42,, Quant Date : 11/25/2024 3:44 pm

Compound #63: 1260-4 #2



Original Peak Response = 472378104

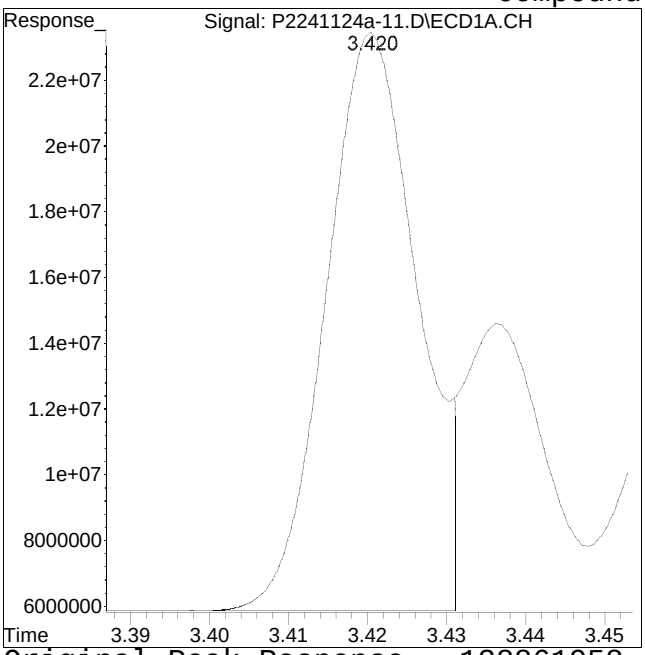


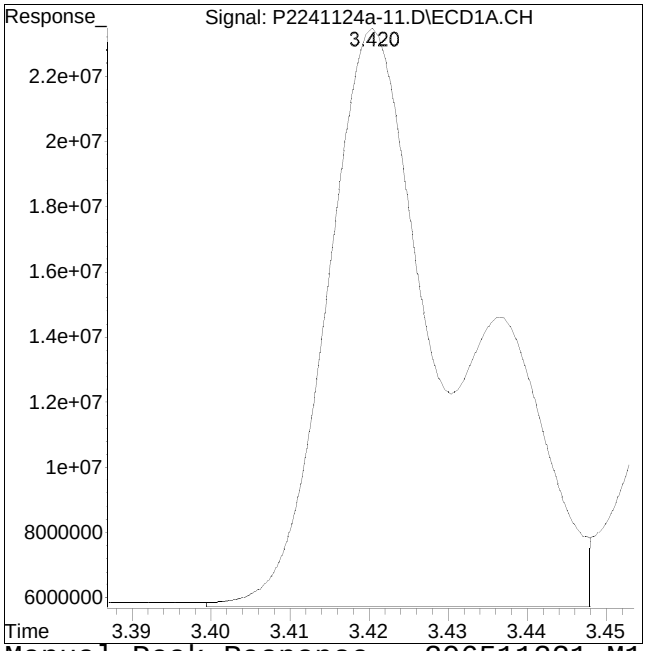
Manual Peak Response = 345733617 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-11.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:18 Instrument : Pest 2
Sample : WG2001590-3,42,, Quant Date : 11/25/2024 3:44 pm

Compound #13: 1260-5



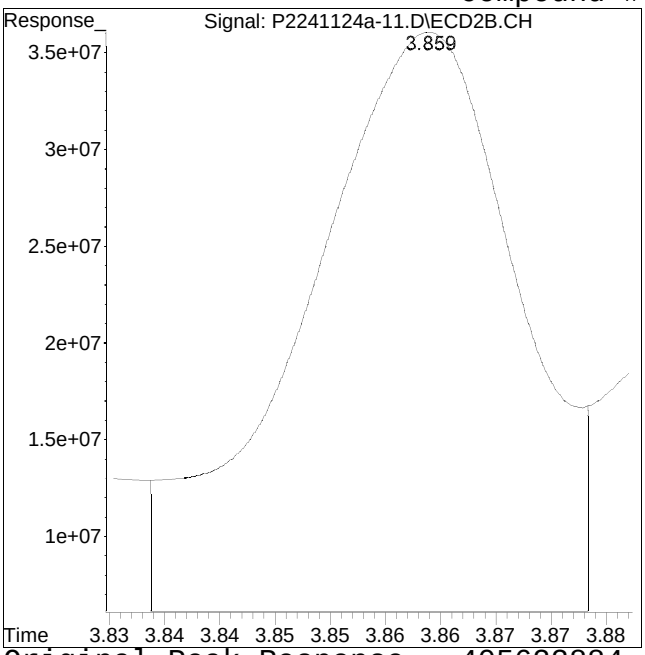


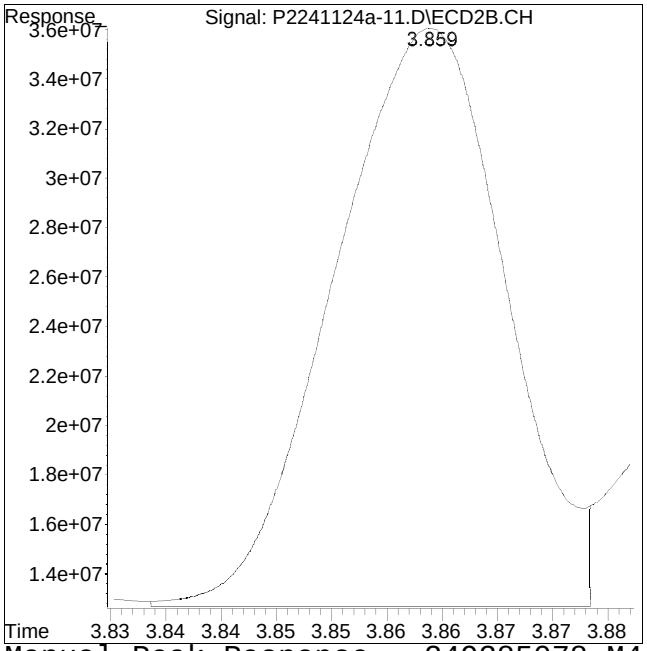
Original Peak Response = 138861958 Manual Peak Response = 206511221 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-11.D Operator : pest2:meo
Date Inj'd : 11/24/2024 11:18 Instrument : Pest 2
Sample : WG2001590-3,42,, Quant Date : 11/25/2024 3:44 pm

Compound #64: 1260-5 #2





Original Peak Response = 405622884 Manual Peak Response = 249385078 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:10
Operator : pest2:meo
Sample : WG2001590-4,42,, ms
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:35 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.162	1.227	257.7E6	392.5E6	25.000	25.000
Standard Area 1 : #1 = 261129048				Recovery =	98.69%	
Standard Area 1 : #2 = 379581996				Recovery =	103.41%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.444	1.597	216.3E6	295.5E6	17.841	17.681
Spiked Amount 20.000	Range 30 - 150			Recovery =	89.20%	88.41%
3) s Decachlorobi	4.005	4.508	178.5E6	214.7E6	17.132M4	17.413
Spiked Amount 20.000	Range 30 - 150			Recovery =	85.66%	87.06%
Target Compounds						
4) l1 1016-1	1.582	1.795	45846003	69674258	210.393	230.368
5) l1 1016-2	1.722	1.965	107.5E6	149.2E6	210.515	209.257
6) l1 1016-3	1.910	2.165	214.7E6	264.1E6	206.505	185.180
7) l1 1016-4	1.965	2.224	91832467	117.2E6	204.526	202.241
8) l1 1016-5	2.134	2.433	94500199	98909425	205.576	201.965M4
Sum 1016-1			554.4E6	699.1E6	1037.514	1029.011
Average 1016-1					207.503	205.802
9) l2 1260-1	2.675	3.040	127.9E6	189.5E6	195.064	222.542
10) l2 1260-2	2.804	3.142	200.1E6	210.8E6	192.894	200.663
11) l2 1260-3	3.119	3.532	127.0E6	178.0E6	224.620	208.097
12) l2 1260-4	3.274	3.661	278.5E6	347.9E6	245.727	231.530
13) l2 1260-5	3.421	3.862	206.5E6	249.1E6	240.419M1	213.095
Sum 1260-1			939.8E6	1175.2E6	1098.724	1075.926
Average 1260-1					219.745	215.185
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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\241124a\
Data File : P2241124a-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:10
Operator : pest2:meo
Sample : WG2001590-4,42,, ms
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:35 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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

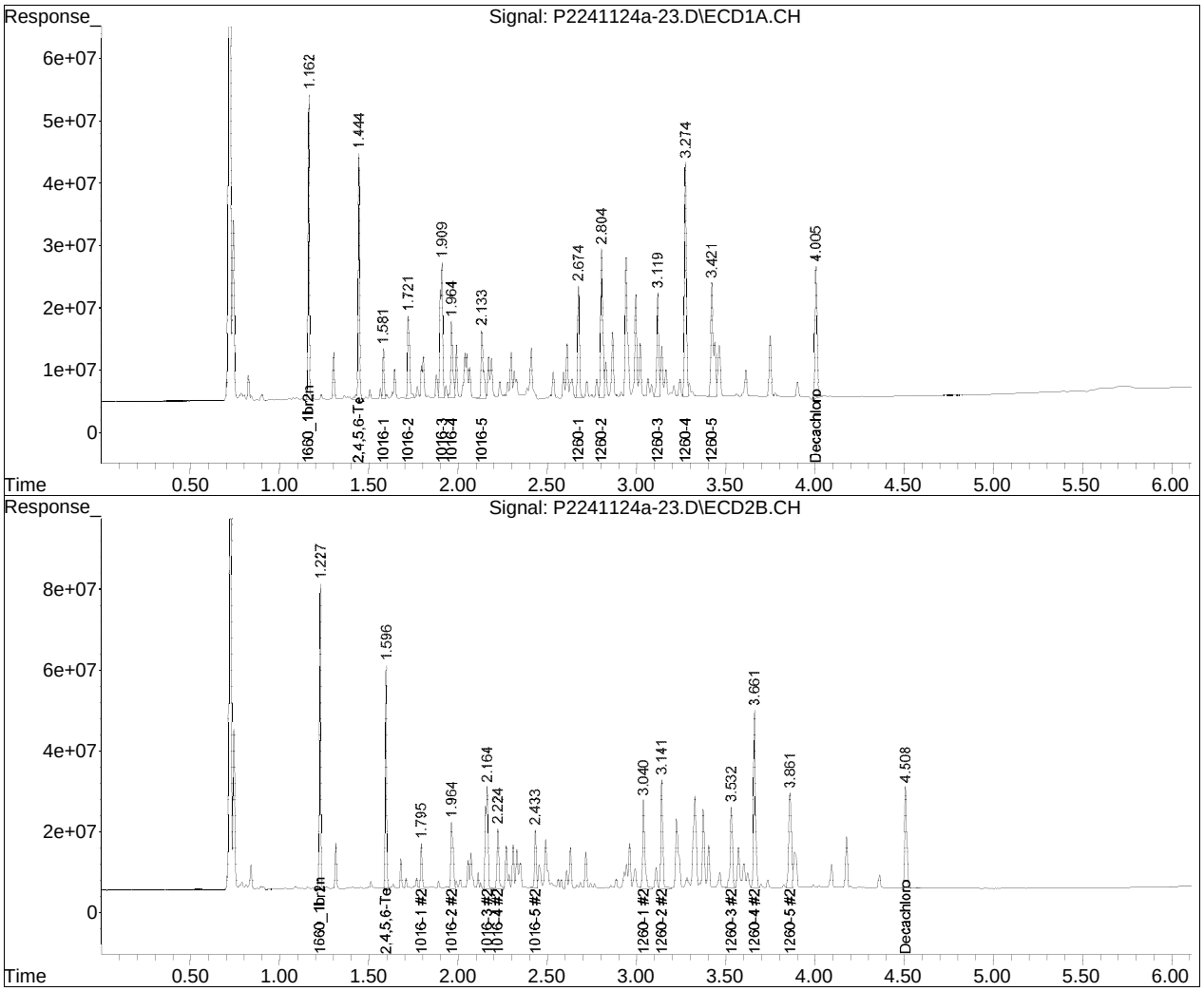
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\241124a\P2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:10
Operator : pest2:meo
Sample : WG2001590-4,42,, ms
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:35 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

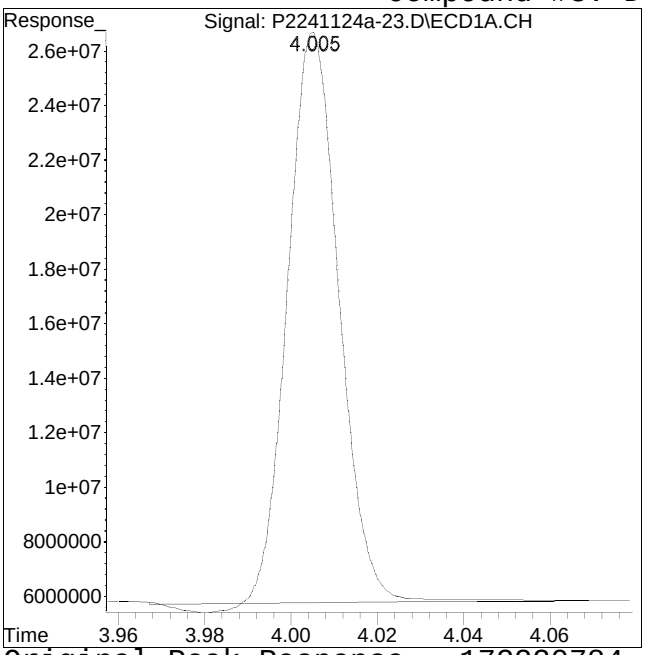
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

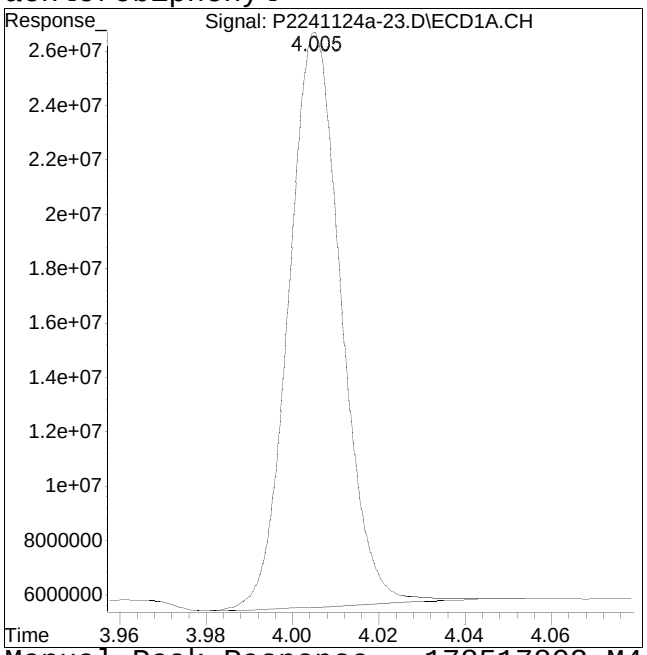


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-23.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:10 Instrument : Pest 2
Sample : WG2001590-4,42,, ms Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl



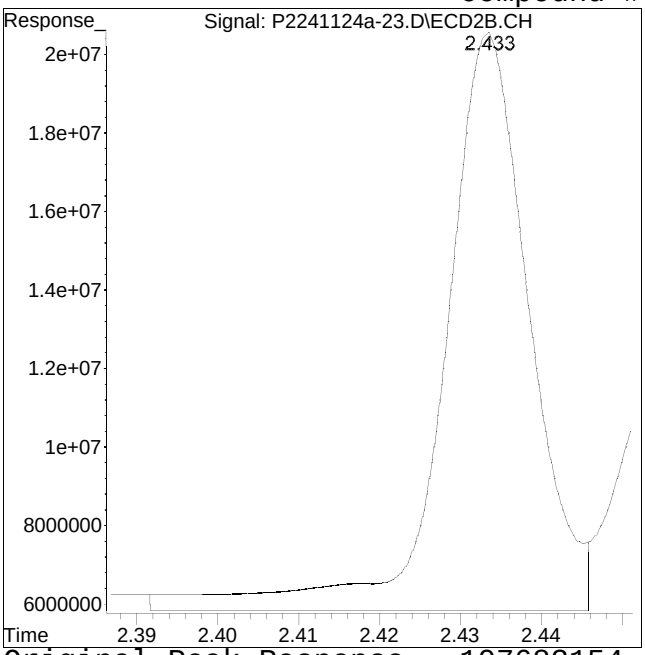


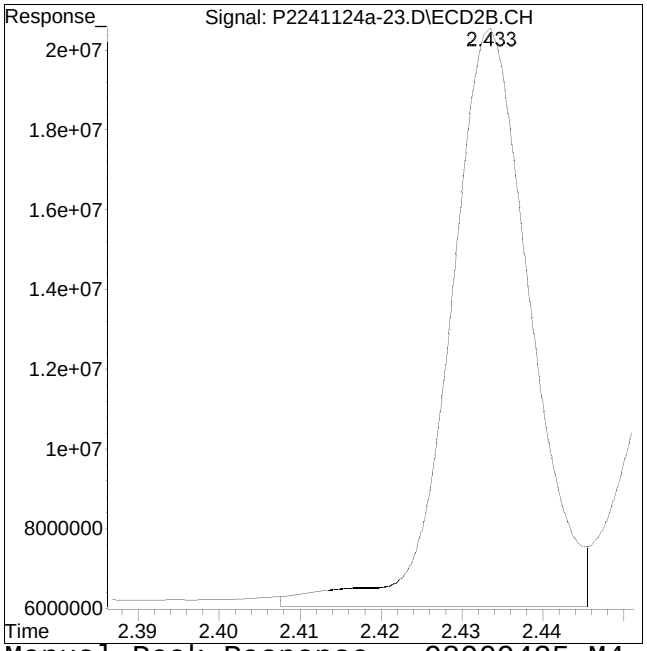
Original Peak Response = 172220784 Manual Peak Response = 178517802 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-23.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:10 Instrument : Pest 2
Sample : WG2001590-4,42,, ms Quant Date : 11/26/2024 9:02 am

Compound #59: 1016-5 #2



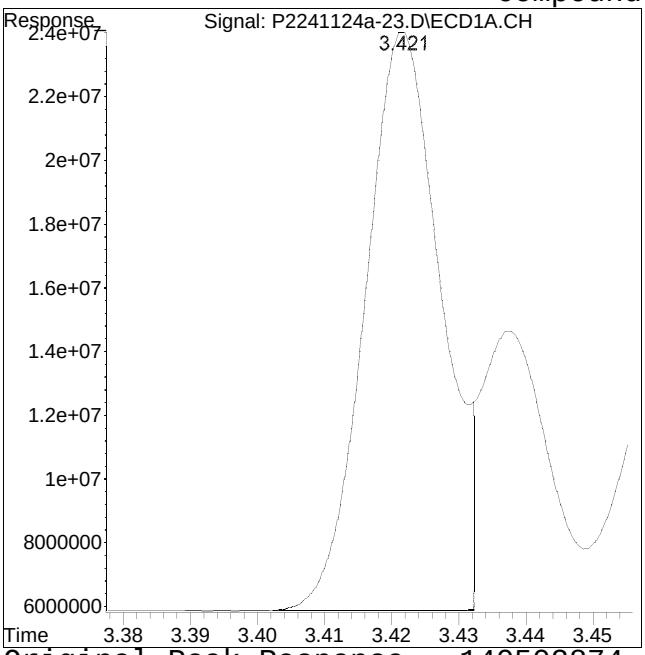


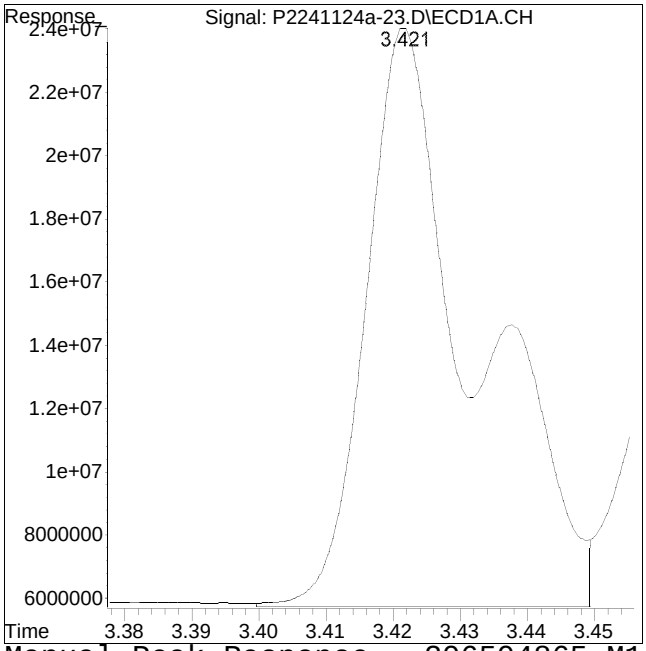
Original Peak Response = 107683154 Manual Peak Response = 98909425 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-23.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:10 Instrument : Pest 2
Sample : WG2001590-4,42,, ms Quant Date : 11/26/2024 9:02 am

Compound #13: 1260-5





Original Peak Response = 140502874 Manual Peak Response = 206504865 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\241124a\
Data File : P2241124a-24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:20
Operator : pest2:meo
Sample : WG2001590-5,42,, msd
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:38 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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	1.162	1.227	277.1E6	369.4E6	25.000	25.000
Standard Area 1 : #1 = 261129048				Recovery =	106.13%	
Standard Area 1 : #2 = 379581996				Recovery =	97.33%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.444	1.597	228.1E6	282.6E6	17.490	17.966
Spiked Amount	20.000	Range 30 - 150		Recovery =	87.45%	89.83%
3) s Decachlorobi	4.005	4.508	183.1E6	218.8E6	16.338M4	18.850
Spiked Amount	20.000	Range 30 - 150		Recovery =	81.69%	94.25%
Target Compounds						
4) l1 1016-1	1.582	1.795	51171669	68289002	218.351	239.889
5) l1 1016-2	1.722	1.965	112.0E6	147.5E6	203.885	219.885
6) l1 1016-3	1.910	2.165	223.0E6	256.0E6	199.422	190.662
7) l1 1016-4	1.964	2.224	101.8E6	113.9E6	210.792	208.837
8) l1 1016-5	2.133	2.433	95268558	94060100	192.702M4	204.059M4
Sum 1016-1			583.3E6	679.7E6	1025.153	1063.333
Average 1016-1					205.031	212.667
9) l2 1260-1	2.675	3.040	131.9E6	182.0E6	187.126	227.048
10) l2 1260-2	2.805	3.141	202.3E6	203.9E6	181.385	206.242
11) l2 1260-3	3.119	3.531	126.8E6	167.5E6	208.547	208.125
12) l2 1260-4	3.275	3.661	278.2E6	331.4E6	228.253	234.353
13) l2 1260-5	3.422	3.861	203.0E6	241.4E6	219.768M1	219.451
Sum 1260-1			942.2E6	1126.3E6	1025.080	1095.219
Average 1260-1					205.016	219.044
Sum 1221-1			0	0	N.D.	N.D.
Average 1221-1					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\241124a\
Data File : P2241124a-24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:20
Operator : pest2:meo
Sample : WG2001590-5,42,, msd
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:38 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 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\241124a\P2241124a-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

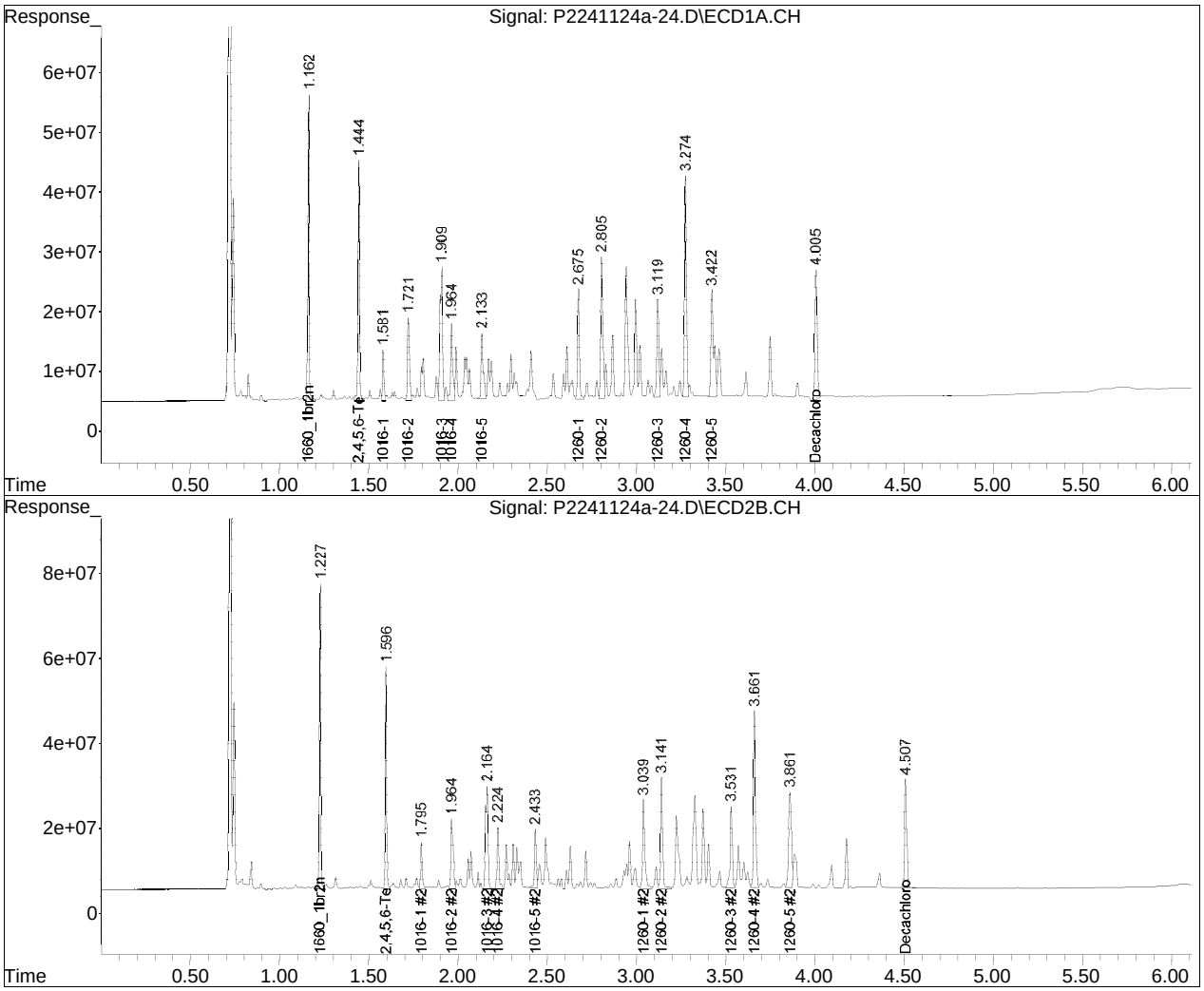
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\241124a\P2241124a-04.D•

Data Path : I:\PCB\Pest2\2024\241124a\
Data File : P2241124a-24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 24 Nov 2024 13:20
Operator : pest2:meo
Sample : WG2001590-5,42,, msd
Misc : WG2001659,WG2001590,ICAL21708
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events1.e
Integration File signal 2: events2.e
Quant Time: Nov 26 09:02:38 2024
Quant Method : I:\PCB\Pest2\2024\241124A\P2_PCB_11_13_24_iRVT_ICAL21708.m
Quant Title : pcb
QLast Update : Thu Nov 14 13:12:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

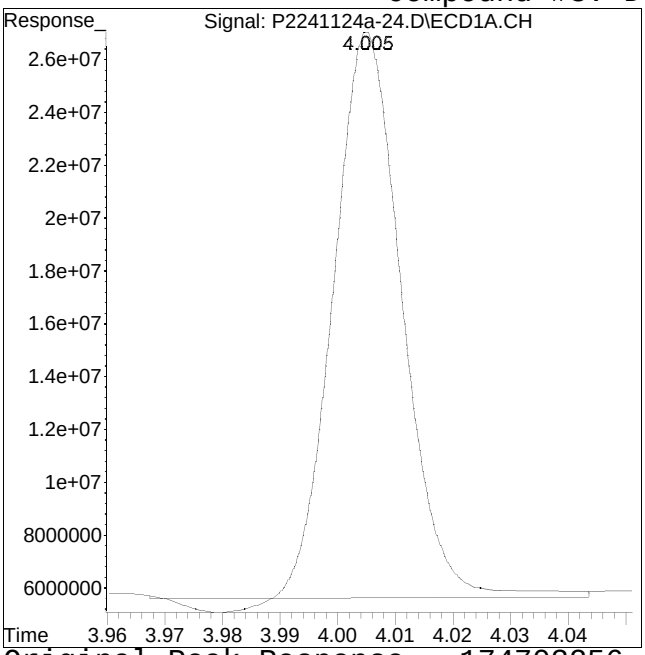
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



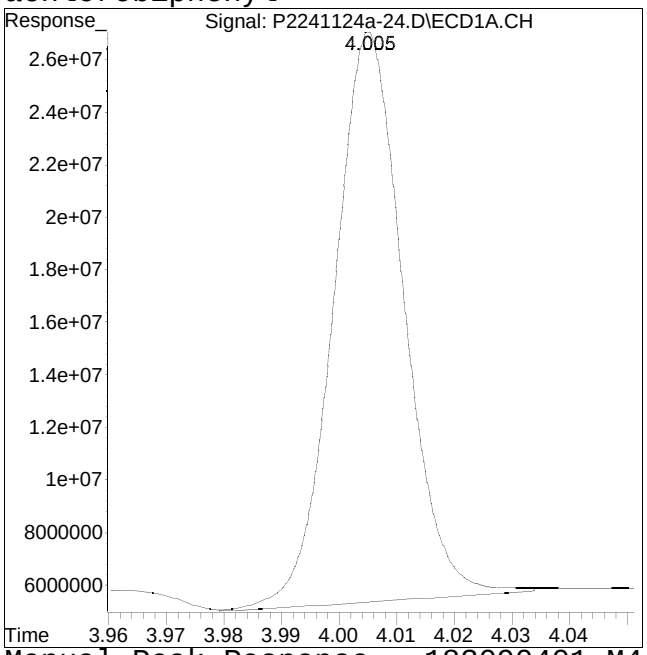
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-24.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:20 Instrument : Pest 2
Sample : WG2001590-5,42,, msd Quant Date : 11/26/2024 9:02 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 174703256



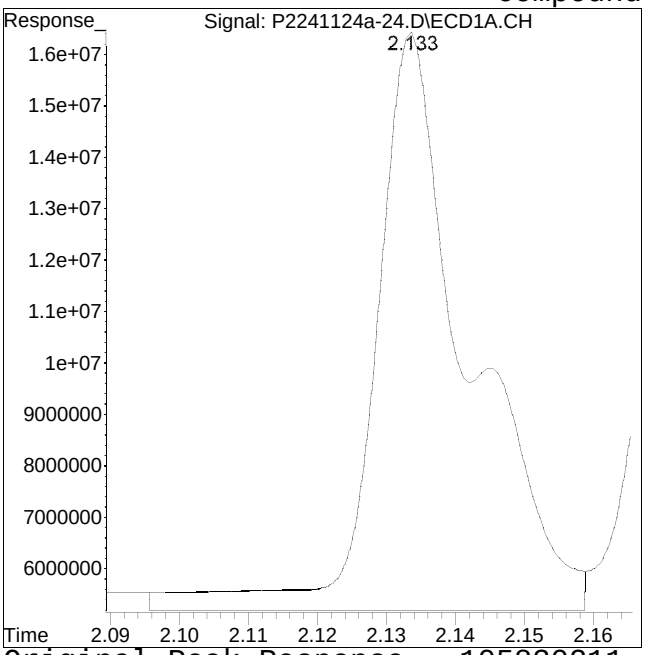
Manual Peak Response = 183090401 M4

M4 = Poor automated baseline construction.

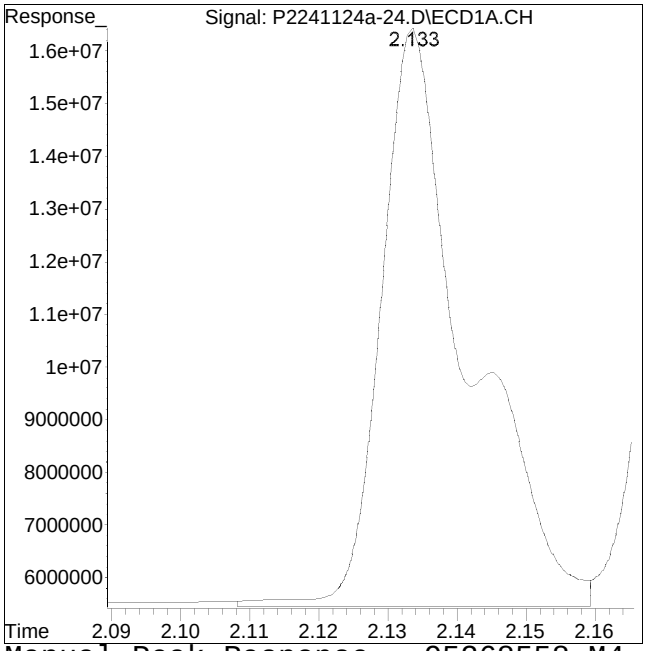
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-24.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:20 Instrument : Pest 2
Sample : WG2001590-5,42,, msd Quant Date : 11/26/2024 9:02 am

Compound #8: 1016-5



Original Peak Response = 105830211



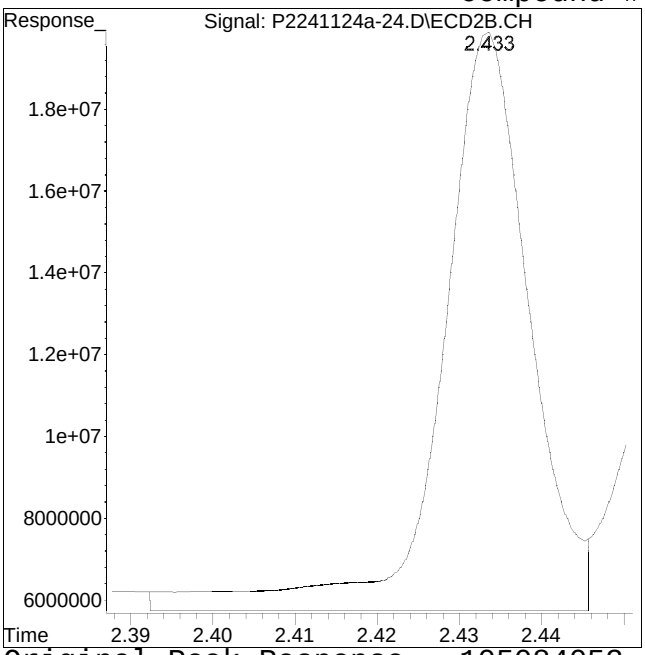
Manual Peak Response = 95268558 M4

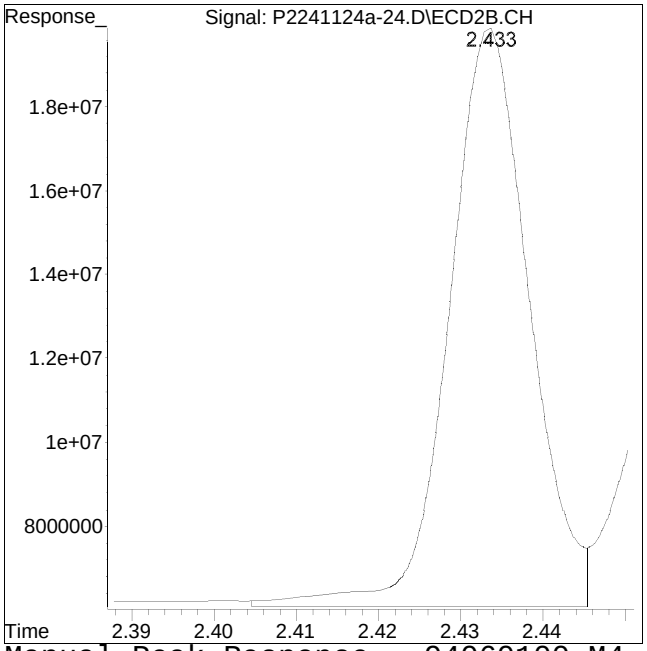
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-24.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:20 Instrument : Pest 2
Sample : WG2001590-5,42,, msd Quant Date : 11/26/2024 9:02 am

Compound #59: 1016-5 #2



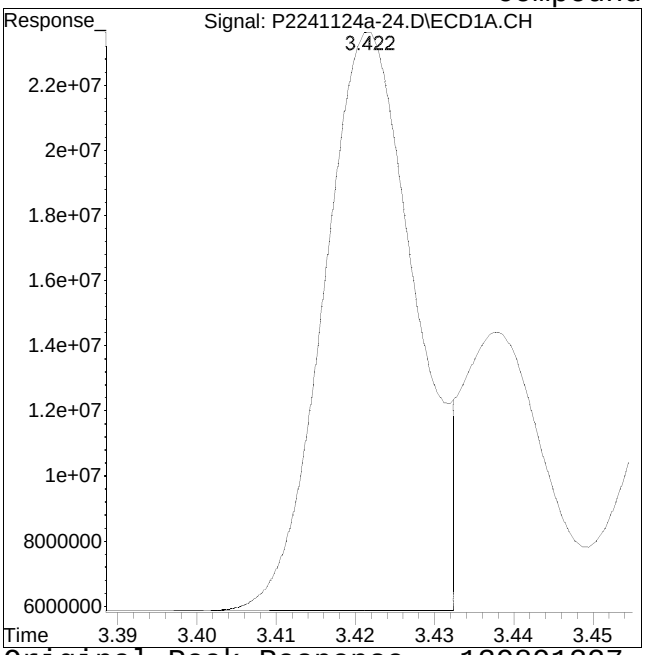


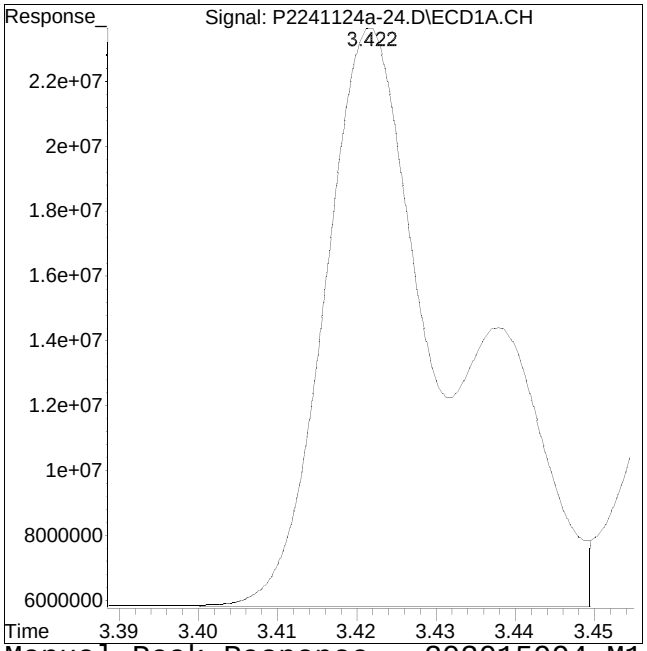
Original Peak Response = 105084053 Manual Peak Response = 94060100 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\241124a\QMethod : P2_PCB_11_13_24_iRVT_ICA
Data File : P2241124a-24.D Operator : pest2:meo
Date Inj'd : 11/24/2024 13:20 Instrument : Pest 2
Sample : WG2001590-5,42,, msd Quant Date : 11/26/2024 9:02 am

Compound #13: 1260-5





Original Peak Response = 139891327 Manual Peak Response = 203015994 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: **11/13/24**
Run: I

WG1997644
ICAL21708

Method: 8082
GC: PCB RVT

Seq: ICAL B
IS: pp11739

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2241113i-01	blank				
1	P2241113i-02	blank				
1	P2241113i-03	blank				
4	P2241113i-04	il84268,42e,,pp 11860 L250RVT				rmp 11/14
5	P2241113i-05	il83262,42e,,pp 11859 L250RVT				rmp 11/14
6	P2241113i-06	il81248,42e,,pp 11861 L250RVT				rmp 11/14
7	P2241113i-07	il82154,42e,,pp 11858 L250RVT				rmp 11/14
8	P2241113i-08	il11660,42e,,pp 11854 L4RVT	drop			
9	P2241113i-09	il21660,42e,,pp 11854 L10RVT				rmp 11/14
10	P2241113i-10	il31660,42e,,pp 11854 L20RVT				rmp 11/14
11	P2241113i-11	il41660,42e,,pp 11854 L30RVT				rmp 11/14
12	P2241113i-12	il51660,42e,,pp 11854 L40RVT				rmp 11/14
13	P2241113i-13	il61660,42e,,pp 11854 L50RVT				rmp 11/14
14	P2241113i-14	il71660,42e,,pp 11854 L100RVT				rmp 11/14
15	P2241113i-15	il81660,42e,,pp 11854 L250RVT				rmp 11/14
16	P2241113i-16	il91660,42e,,pp 11854 L500RVT				rmp 11/14
17	P2241113i-17	il101660,42e,,pp 11854 L1000RVT				rmp 11/14
18	P2241113i-18	cicv4268,42e,,pp 11865 L250ICVRVT				rmp 11/14
19	P2241113i-19	cicv3262,42e,,pp 11864 L250ICVRVT				rmp 11/14
20	P2241113i-20	cicv1248,42e,,pp 11866 L250ICVRVT				rmp 11/14
21	P2241113i-21	cicv2154,42e,,pp 11863 L250ICVRVT				rmp 11/14
22	P2241113i-22	cicv1660,42e,,pp 11880 L250ICVRVT			rmp	rmp 11/14
			reviewed: meo 11/14			

Dep.: PCB
Inst: Pest_2
Date: **11/24/24**
Run: a

Method: 8082
GC: PCB RVT

Seq: WG2001659
IS: pp11739

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2241124a-01	blank				
1	P2241124a-02	blank				
1	P2241124a-03	blank				
4	P2241124a-04	+1660 icv lvi pp11880	15% 8:59 659-2 sdc			meo 11/25
5	P2241124a-05	blank				
6	P2241124a-06	+2154 icv lvi pp11863	pass			meo 11/26
7	P2241124a-07	+1248 icv lvi pp11866	pass			
8	P2241124a-08	+4268 icv lvi pp11865	42 pass, 68A pass, 68B	high		meo 11/26
9	P2241124a-09	WG2001590-1,42,,		akm		meo 11/25
10	P2241124a-10	WG2001590-2,42,,				meo 11/25
11	P2241124a-11	WG2001590-3,42,,				meo 11/25
12	P2241124a-12	L2467581-03,42,,				meo 11/25
13	P2241124a-13	L2467892-01,42,,	5x 42			
14	P2241124a-14	L2467892-02,42,,				meo 11/26
15	P2241124a-15	L2467892-03,42,,				meo 11/26
16	P2241124a-16	L2467892-04,42,,	21, 42			meo 11/26
17	P2241124a-17	L2467892-05,42,,				meo 11/26
18	P2241124a-18	L2467934-01,42,,				meo 11/26
19	P2241124a-19	L2467934-02,42,,				meo 11/26
20	P2241124a-20	L2467934-03,42,,				meo 11/26
21	P2241124a-21	L2467934-04,42,,				meo 11/26
22	P2241124a-22	L2467934-05,42,, p				meo 11/26
23	P2241124a-23	WG2001590-4,42,, ms				meo 11/26
24	P2241124a-24	WG2001590-5,42,, msd				meo 11/26
25	P2241124a-25	L2467934-06,42,,				meo 11/26
26	P2241124a-26	L2467934-07,42,,				meo 11/26
27	P2241124a-27	L2467987-01d,42,20, md			sdc	meo 11/26
28	P2241124a-28	WG2001667-1,42,, splp				meo 11/25
29	P2241124a-29	WG2001667-2,42,, splp				meo 11/25
30	P2241124a-30	WG2001667-3,42,, splp				meo 11/25
31	P2241124a-31	L2467536-01,42,, splp				meo 11/25
32	P2241124a-32	L2467934-08,42,,				meo 11/26
33	P2241124a-33	L2467934-09,42,,				meo 11/26
34	P2241124a-34	L2467934-10,42,,				meo 11/26
35	P2241124a-35	L2468036-24,42,,,R3E				meo 11/26
36	P2241124a-36	L2468433-22,42,,,R3E	inj @ 17:26		sdc	meo 11/26

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 26 2024, 03:54 pm

Work Group: WG2001590 for Department: 2 Organic Preparation

Created: 24-NOV-24 Due: Operator: ARP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467581-03	FDGW01	S	NYTCL-8082-LVI	WATER	DONE	U	1118	1125	S0	Amber-A.120
L2467892-01	MW-2S	S	NYTCL-8082-LVI	WATER	DONE	U	1119	1126	S0	Amber-A.120
L2467892-02	MW-101-8I (R)	S	NYTCL-8082-LVI	WATER	DONE	U	1119	1126	S0	Amber-A.120
L2467892-03	MW-101-8S (R)	S	NYTCL-8082-LVI	WATER	DONE	U	1119	1126	S0	Amber-A.120
L2467892-04	MW-101-1(R)	S	NYTCL-8082-LVI	WATER	DONE	U	1119	1126	S0	Amber-A.120
L2467892-05	MW-101-10S (R)	S	NYTCL-8082-LVI	WATER	DONE	U	1119	1126	S0	Amber-A.120
L2467934-01	MW-1S	S	NYTCL-8082-LVI	WATER	DONE	U	1118	1126	S0	Amber-A.120
L2467934-02	MW-2S	S	NYTCL-8082-LVI	WATER	DONE	U	1118	1126	S0	Amber-A.120
L2467934-03	MW-3S	S	NYTCL-8082-LVI	WATER	DONE	U	1118	1126	S0	Amber-A.120
L2467934-04	MW-4D	S	NYTCL-8082-LVI	WATER	DONE	U	1119	1126	S0	Amber-A.120
L2467934-05	MW-5S	S	NYTCL-8082-LVI	WATER	DONE	U	1119	1126	S0	Amber-A.120
L2467934-06	MW-6D	S	NYTCL-8082-LVI	WATER	DONE	U	1118	1126	S0	Amber-A.120
L2467934-07	MW-7S	S	NYTCL-8082-LVI	WATER	DONE	U	1118	1126	S0	Amber-A.120
L2467934-08	MW-8S	S	NYTCL-8082-LVI	WATER	DONE	U	1118	1126	S0	Amber-A.120
L2467934-09	DUP	S	NYTCL-8082-LVI	WATER	DONE	U	1118	1126	S0	Amber-A.120
L2467934-10	FIELD BLANK	S	NYTCL-8082-LVI	WATER	DONE	U	1118	1126	S0	Amber-A.120
L2467987-01	VFGM-1DW-01	S	NYTCL-8082-LVI	WATER	DONE	U	1119	1126	S0	Amber-A.120
L2468036-24	FIELD BLANK	S	NYTCL-8082-LVI	WATER	DONE	U	1119	1126	3E	Amber-A.120
L2468433-22	FIELD BLANK	S	NYTCL-8082-LVI	WATER	DONE	U	1120	1127	3E	Amber-A.120
WG2001590-1	Laboratory Method Bl	S	NYTCL-8082-LVI	WATER	DONE	U				
WG2001590-2	Laboratory Control S	S	NYTCL-8082-LVI	WATER	DONE	U				
WG2001590-3	LCS Duplicate	S	NYTCL-8082-LVI	WATER	DONE	U				
WG2001590-4	Matrix Spike	S	NYTCL-8082-LVI	WATER	DONE	U				
WG2001590-5	Matrix Spike Duplica	S	NYTCL-8082-LVI	WATER	DONE	U				

Comments:

WG2001590-3	WG2001590-2
WG2001590-4	L2467934-05
WG2001590-5	L2467934-05

ORGANIC ELN REPORT

Workgroup: WG2001590

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ507
Surrogate Type: Pesticide/PCB **Lot #:** PP11857-BO[03/30/25]
Spike Type: PCB **Lot #:** PP11722-AC[01/12/25]
Spike Verify by: ARP
Lims Spikelot: PCB-LVI

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EJ 522

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1: EPA 3665A
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EJ522

Additional Reagents/Stds

H2SO4	2024081328

Cleanup 2

Cleanup Method 1: EPA 3660B
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EJ522

Additional Reagents/Stds

Copper	2406cpg002

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: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2467581-03 WATER	11/24/24 01:17	Amanda Patterson	100	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
	lim vol rcvd from client									
L2467892-01 WATER	11/24/24 01:17	Amanda Patterson	100	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
	lim vol rcvd from client									
L2467892-02 WATER	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
L2467892-03 WATER	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6

Reported: 26-NOV-24 03:54 PM

ORGANIC ELN REPORT

Workgroup: WG2001590

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
L2467892-04 WATER	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
L2467892-05 WATER	11/24/24 01:17	Amanda Patterson	100	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
	lim vol rcvd from client									
L2467934-01 SAMP	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
L2467934-02 SAMP	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
L2467934-03 SAMP	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
L2467934-04 SAMP	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
L2467934-05 SAMP	11/24/24 01:19	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
L2467934-06 SAMP	11/24/24 01:19	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6

ORGANIC ELN REPORT

Workgroup: WG2001590

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
L2467934-07 SAMP	11/24/24 01:19	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
L2467934-08 SAMP	11/24/24 04:44	Amanda Patterson	140	>5, <9	.1		11/24/24 11:33	Corey Lefebvre	5	C / A / #6
L2467934-09 SAMP	11/24/24 04:44	Amanda Patterson	140	>5, <9	.1		11/24/24 11:33	Corey Lefebvre	5	C / A / #6
L2467934-10 SAMP	11/24/24 04:44	Amanda Patterson	140	>5, <9	.1		11/24/24 11:33	Corey Lefebvre	5	C / A / #6
L2467987-01 WATER	11/24/24 01:19	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
L2468036-24 SAMP	11/24/24 04:44	Amanda Patterson	140	>5, <9	.1		11/24/24 11:33	Corey Lefebvre	5	C / A / #6
L2468433-22 SAMP	11/24/24 04:44	Amanda Patterson	140	>5, <9	.1		11/24/24 11:33	Corey Lefebvre	5	C / A / #6
WG2001590-1 BLANK	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1		11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
WG2001590-2 LCS	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1	.1	11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6

ORGANIC ELN REPORT

Workgroup: WG2001590

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
WG2001590-3 LCSD	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1	.1	11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
WG2001590-4 MS	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1	.1	11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6
WG2001590-5 MSD	11/24/24 01:17	Amanda Patterson	140	>5, <9	.1	.1	11/24/24 08:35	Rabbi Kyei-Baffour	5	C / A / #6

ORGANIC ELN REPORT

Workgroup: WG2001590

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2467581-03 WATER	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467892-01 WATER	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467892-02 WATER	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467892-03 WATER	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467892-04 WATER	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467892-05 WATER	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467934-01 SAMP	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467934-02 SAMP	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467934-03 SAMP	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467934-04 SAMP	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467934-05 SAMP	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault

ORGANIC ELN REPORT

Workgroup: WG2001590

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2467934-06 SAMP	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467934-07 SAMP	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2467934-08 SAMP	11/24/24 11:36	Grace Tran	5	1	11/24/24 14:50	Kristina Arsenault
L2467934-09 SAMP	11/24/24 11:36	Grace Tran	5	1	11/24/24 14:50	Kristina Arsenault
L2467934-10 SAMP	11/24/24 11:36	Grace Tran	5	1	11/24/24 14:50	Kristina Arsenault
L2467987-01 WATER	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
L2468036-24 SAMP	11/24/24 11:36	Grace Tran	5	1	11/24/24 14:50	Kristina Arsenault
L2468433-22 SAMP	11/24/24 11:36	Grace Tran	5	1	11/24/24 14:50	Kristina Arsenault
WG2001590-1 BLANK	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
WG2001590-2 LCS	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
WG2001590-3 LCSD	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault

Reported: 26-NOV-24 03:54 PM

ORGANIC ELN REPORT

Workgroup: WG2001590

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
WG2001590-4 MS	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault
WG2001590-5 MSD	11/24/24 08:45	Grace Tran	5	1	11/24/24 09:55	Kristina Arsenault

Reported: 26-NOV-24 03:54 PM

GC Extractable Analysis
Pesticides

Pesticide QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIXED

Lab Number: L2467934
Project Number: 20116
Matrix: Water

GC Column 1: CLPPesticides
GC Column 2: CLPPesticidesII

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 (L2467934-01)	65	63	55	47			0
MW-2S (L2467934-02)	62	79	54	57			0
MW-3S (L2467934-03)	66	78	58	59			0
MW-4D (L2467934-04)	67	74	64	59			0
MW-5S (L2467934-05)	71	70	71	67			0
MW-6D (L2467934-06)	62	67	55	56			0
MW-7S (L2467934-07)	65	70	62	63			0
MW-8S (L2467934-08)	61	68	61	59			0
DUP (L2467934-09)	70	76	71	69			0
FIELD BLANK (L2467934-10)	66	68	67	66			0
WG2001430-1BLANK	68	74	56	49			0
WG2001430-2LCS	62	66	58	51			0
WG2001430-3LCSD	66	73	64	54			0
MW-5SMS	65	71	65	59			0
MW-5SMSD	67	74	66	63			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
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001430-2 **Analysis Date** : 11/26/24 03:10	**File ID**	: 18241125b-41
LCSD Sample ID	: WG2001430-3 **Analysis Date** : 11/26/24 03:22	**File ID**	: 18241125b-42

	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
Delta-BHC	3.57	1.99	56	3.57	2.20	62	10	30-150	20
Lindane	3.57	2.45	69	3.57	2.62	73	7	30-150	20
Alpha-BHC	3.57	2.24	63	3.57	2.40	67	7	30-150	20
Beta-BHC	3.57	2.03	57	3.57	2.19	61	8	30-150	20
Heptachlor	3.57	2.21	62	3.57	2.37	66	7	30-150	20
Aldrin	3.57	2.25	63	3.57	2.41	68	7	30-150	20
Heptachlor epoxide	3.57	2.15	60	3.57	2.31	65	7	30-150	20
Endrin	3.57	2.26	63	3.57	2.45	69	8	30-150	20
Endrin aldehyde	3.57	1.69	47	3.57	1.95	55	14	30-150	20
Endrin ketone	3.57	2.20	62	3.57	2.40	67	9	30-150	20
Dieldrin	3.57	2.36	66	3.57	2.55	71	8	30-150	20
4,4'-DDE	3.57	2.20	62	3.57	2.38	67	8	30-150	20
4,4'-DDD	3.57	2.50	70	3.57	2.73	76	9	30-150	20
4,4'-DDT	3.57	2.31	65	3.57	2.52	71	9	30-150	20
Endosulfan I	3.57	2.14	60	3.57	2.26	63	6	30-150	20
Endosulfan II	3.57	2.23	62	3.57	2.49	70	11	30-150	20
Endosulfan sulfate	3.57	2.03	57	3.57	2.30	64	13	30-150	20
Methoxychlor	3.57	2.01	56	3.57	2.22	62	10	30-150	20
cis-Chlordane	3.57	2.08	58	3.57	2.24	63	7	30-150	20
trans-Chlordane	3.57	2.39	67	3.57	2.58	72	8	30-150	20

Matrix Spike Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Client Sample ID	: MW-5S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467934-05	**Analysis Date**	: 11/26/24 04:22
Matrix Spike	: WG2001430-4	**MS Analysis Date**	: 11/26/24 04:34
Matrix Spike Dup	: WG2001430-5	**MSD Analysis Date**	: 11/26/24 04:46

		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
Delta-BHC	ND	0.357	0.244	68	0.357	0.236	66	3	30-150	30
Lindane	ND	0.357	0.275	77	0.357	0.273	76	1	30-150	30
Alpha-BHC	ND	0.357	0.255	71	0.357	0.256	72	0	30-150	30
Beta-BHC	ND	0.357	0.254	71	0.357	0.251	70	1	30-150	30
Heptachlor	ND	0.357	0.267	75	0.357	0.261	73	2	30-150	30
Aldrin	ND	0.357	0.250	70	0.357	0.246	69	2	30-150	30
Heptachlor epoxide	ND	0.357	0.259	72	0.357	0.264	74	2	30-150	30
Endrin	ND	0.357	0.277	78	0.357	0.266	74	4	30-150	30
Endrin aldehyde	ND	0.357	0.229	64	0.357	0.219	61	4	30-150	30
Endrin ketone	ND	0.357	0.281	79	0.357	0.268	75	5	30-150	30
Dieldrin	ND	0.357	0.281	79	0.357	0.276	77	2	30-150	30
4,4'-DDE	ND	0.357	0.253	71	0.357	0.248	69	2	30-150	30
4,4'-DDD	ND	0.357	0.292	82	0.357	0.283	79	3	30-150	30
4,4'-DDT	ND	0.357	0.256	72	0.357	0.263	74	3	30-150	30
Endosulfan I	ND	0.357	0.253	71	0.357	0.247	69	2	30-150	30
Endosulfan II	ND	0.357	0.284	80	0.357	0.269	75	5	30-150	30
Endosulfan sulfate	ND	0.357	0.259	72	0.357	0.255	71	2	30-150	30
Methoxychlor	ND	0.357	0.269	75	0.357	0.267	75	1	30-150	30
cis-Chlordane	ND	0.357	0.234	66	0.357	0.234	66	0	30-150	30
trans-Chlordane	ND	0.357	0.270	76	0.357	0.265	74	2	30-150	30

Method Blank Summary
Form 4
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: WG2001430-1	**Lab File ID**	: 18241125b-40
Matrix	: WATER	**Extraction Date**	: 11/23/24
Analysis Date (1)	: 11/26/24 02:58	**Analysis Date (2)**	: 11/26/24 02:58
Instrument ID (1)	: PEST18	**Instrument ID (2)**	: PEST18

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG2001430-2LCS	WG2001430-2	11/26/24 03:10	11/26/24 03:10
WG2001430-3LCSD	WG2001430-3	11/26/24 03:22	11/26/24 03:22
MW-1S	L2467934-01	11/26/24 03:34	11/26/24 03:34
MW-2S	L2467934-02	11/26/24 03:46	11/26/24 03:46
MW-3S	L2467934-03	11/26/24 03:58	11/26/24 03:58
MW-4D	L2467934-04	11/26/24 04:10	11/26/24 04:10
MW-5S	L2467934-05	11/26/24 04:22	11/26/24 04:22
MW-5SMS	WG2001430-4	11/26/24 04:34	11/26/24 04:34
MW-5SMSD	WG2001430-5	11/26/24 04:46	11/26/24 04:46
MW-6D	L2467934-06	11/26/24 04:58	11/26/24 04:58
MW-7S	L2467934-07	11/26/24 05:11	11/26/24 05:11
MW-8S	L2467934-08	11/26/24 05:23	11/26/24 05:23
DUP	L2467934-09	11/26/24 05:35	11/26/24 05:35
FIELD BLANK	L2467934-10	11/26/24 05:47	11/26/24 05:47

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: PEST18	**Initial Calib. Date(s)**	: 11/04/24 11/04/24

Client ID	Lab ID	Date/Time Analyzed
R1896219-9 PEM	R1896219-9	11/04/24 17:28
Pesticides L1 (0.5ug/L)	R1896219-10	11/04/24 17:40
Pesticides L2 (1.0ug/L)	R1896219-1	11/04/24 17:52
Pesticides L3 (2.0ug/L)	R1896219-2	11/04/24 18:04
Pesticides L4 (3.0ug/L)	R1896219-3	11/04/24 18:16
Pesticides L5 (4.0ug/L)	R1896219-5	11/04/24 18:28
Pesticides L7 (10.0ug/L)	R1896219-4	11/04/24 18:41
Pesticides L8 (50.0ug/L)	R1896219-6	11/04/24 18:53
Pesticides L9 (100ug/L)	R1896219-7	11/04/24 19:05
Pesticides L10 (200ug/L)	R1896219-8	11/04/24 19:17
Pesticides L11 (400ug/L)	R1896219-11	11/04/24 19:29
R1896219-12 ICV	R1896219-12	11/04/24 19:41
Chlordane L3 (10ug/L)	R1896219-13	11/04/24 20:05
Chlordane L4 (20ug/L)	R1896219-14	11/04/24 20:17
Chlordane L5 (100ug/L)	R1896219-15	11/04/24 20:29
Chlordane L7 (500ug/L)	R1896219-16	11/04/24 20:41
Chlordane L8 (1000ug/L)	R1896219-17	11/04/24 20:53
Chlordane L9 (2000ug/L)	R1896219-18	11/04/24 21:06
Chlordane L10 (5000ug/L)	R1896219-19	11/04/24 21:18
R1896219-20 ICV	R1896219-20	11/04/24 21:30
Toxaphene L3 (20.0ug/L)	R1896219-21	11/04/24 21:42
Toxaphene L4 (100ug/L)	R1896219-22	11/04/24 21:54
Toxaphene L7 (1000ug/L)	R1896219-24	11/04/24 22:06
Toxaphene L8 (2000ug/L)	R1896219-23	11/04/24 22:18
Toxaphene L9 (5000ug/L)	R1896219-25	11/04/24 22:30
R1896219-26 ICV	R1896219-26	11/04/24 22:42
R1904906-1 PEM	R1904906-1	11/25/24 18:54
WG2002247-2 CCAL	WG2002247-2	11/25/24 19:19
WG2002247-3 CCAL	WG2002247-3	11/25/24 19:31
WG2002247-4 CCAL	WG2002247-4	11/26/24 02:45
WG2001430-1 BLANK	WG2001430-1	11/26/24 02:58
WG2001430-2 LCS	WG2001430-2	11/26/24 03:10
WG2001430-3 LCSD	WG2001430-3	11/26/24 03:22
MW-1S	L2467934-01	11/26/24 03:34
MW-2S	L2467934-02	11/26/24 03:46
MW-3S	L2467934-03	11/26/24 03:58
MW-4D	L2467934-04	11/26/24 04:10
MW-5S	L2467934-05	11/26/24 04:22
MW-5S MS	WG2001430-4	11/26/24 04:34
MW-5S MSD	WG2001430-5	11/26/24 04:46
MW-6D	L2467934-06	11/26/24 04:58
MW-7S	L2467934-07	11/26/24 05:11

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: PEST18	**Initial Calib. Date(s)**	: 11/04/24 11/04/24

Client ID	Lab ID	Date/Time Analyzed
MW-8S	L2467934-08	11/26/24 05:23
DUP	L2467934-09	11/26/24 05:35
FIELD BLANK	L2467934-10	11/26/24 05:47

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

Pesticides - EPA 8081B (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		
Delta-BHC	319-86-8	1.6008	0.31349	ug/kg	30-150	30	30-150	50	50			
Lindane	58-89-9	0.667	0.298149	ug/kg	30-150	30	30-150	50	50			
Alpha-BHC	319-84-6	0.667	0.189428	ug/kg	30-150	30	30-150	50	50			
Beta-BHC	319-85-7	1.6008	0.60697	ug/kg	30-150	30	30-150	50	50			
Heptachlor	76-44-8	0.8004	0.358846	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	1.6008	0.563615	ug/kg	30-150	30	30-150	50	50			
Heptachlor epoxide	1024-57-3	3.0015	0.90045	ug/kg	30-150	30	30-150	50	50			
Endrin	72-20-8	0.667	0.27347	ug/kg	30-150	30	30-150	50	50			
Endrin aldehyde	7421-93-4	2.001	0.70035	ug/kg	30-150	30	30-150	50	50			
Endrin ketone	53494-70-5	1.6008	0.412206	ug/kg	30-150	30	30-150	50	50			
Dieldrin	60-57-1	1.0005	0.50025	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	1.6008	0.370185	ug/kg	30-150	30	30-150	50	50			
4,4'-DDD	72-54-8	1.6008	0.570952	ug/kg	30-150	30	30-150	50	50			
4,4'-DDT	50-29-3	3.0015	1.28731	ug/kg	30-150	30	30-150	50	50			
Endosulfan I	959-98-8	1.6008	0.378189	ug/kg	30-150	30	30-150	50	50			
Endosulfan II	33213-65-9	1.6008	0.534934	ug/kg	30-150	30	30-150	50	50			
Endosulfan sulfate	1031-07-8	0.667	0.317492	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	3.0015	0.9338	ug/kg	30-150	30	30-150	50	50			
Toxaphene	8001-35-2	30.015	8.4042	ug/kg	30-150	30	30-150	50	50			
Chlordane	57-74-9	13.34	5.30265	ug/kg	30-150	30	30-150	50	50			
cis-Chlordane	5103-71-9	2.001	0.557612	ug/kg	30-150	30	30-150	50	50			
trans-Chlordane	5103-74-2	2.001	0.528264	ug/kg	30-150	30	30-150	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.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container / Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	0.02	0.00467	ug/l	30-150	20	30-150	30	30			
Lindane	58-89-9	0.02	0.00434	ug/l	30-150	20	30-150	30	30			
Alpha-BHC	319-84-6	0.02	0.00439	ug/l	30-150	20	30-150	30	30			
Beta-BHC	319-85-7	0.02	0.0056	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.02	0.0031	ug/l	30-150	20	30-150	30	30			
Aldrin	309-00-2	0.02	0.00216	ug/l	30-150	20	30-150	30	30			
Heptachlor epoxide	1024-57-3	0.02	0.00415	ug/l	30-150	20	30-150	30	30			
Endrin	72-20-8	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Endrin aldehyde	7421-93-4	0.04	0.0081	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	0.04	0.00477	ug/l	30-150	20	30-150	30	30			
Dieldrin	60-57-1	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
4,4'-DDE	72-55-9	0.04	0.00381	ug/l	30-150	20	30-150	30	30			
4,4'-DDD	72-54-8	0.04	0.00464	ug/l	30-150	20	30-150	30	30			
4,4'-DDT	50-29-3	0.04	0.00432	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	0.02	0.00345	ug/l	30-150	20	30-150	30	30			
Endosulfan II	33213-65-9	0.04	0.00519	ug/l	30-150	20	30-150	30	30			
Endosulfan sulfate	1031-07-8	0.04	0.00481	ug/l	30-150	20	30-150	30	30			
Methoxychlor	72-43-5	0.2	0.00684	ug/l	30-150	20	30-150	30	30			
Toxaphene	8001-35-2	0.2	0.0627	ug/l	30-150	20	30-150	30	30			
Chlordane	57-74-9	0.2	0.0463	ug/l	40-140	20	30-150	30	30			
cis-Chlordane	5103-71-9	0.02	0.00666	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	0.02	0.00627	ug/l	30-150	20	30-150	30	30			
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.

8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com
Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA

Pesticide Sample Data

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 03:34
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-43	**Analyst**	: AKM
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	0.009	0.014	0.003	J
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	0.005	0.029	0.003	J
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	0.006	0.029	0.003	J
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-01	**Date Collected**	: 11/18/24 15:46
Client ID	: MW-1S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 03:34
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-43	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 03:46
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-44	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-02	**Date Collected**	: 11/18/24 14:33
Client ID	: MW-2S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 03:46
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-44	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 03:58
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-45	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-03	**Date Collected**	: 11/18/24 13:31
Client ID	: MW-3S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 03:58
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-45	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:10
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-46	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-04	**Date Collected**	: 11/19/24 09:35
Client ID	: MW-4D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:10
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-46	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:22
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-47	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-05	**Date Collected**	: 11/19/24 08:10
Client ID	: MW-5S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:22
Sample Matrix	: WATER	**Date Extracted**	: 11/24/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-47	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:58
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-50	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-06	**Date Collected**	: 11/18/24 15:40
Client ID	: MW-6D	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 04:58
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-50	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:11
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-51	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-07	**Date Collected**	: 11/18/24 14:15
Client ID	: MW-7S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:11
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-51	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:23
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-52	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-08	**Date Collected**	: 11/18/24 16:45
Client ID	: MW-8S	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:23
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-52	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:35
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-53	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-09	**Date Collected**	: 11/18/24 00:00
Client ID	: DUP	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:35
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-53	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:47
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-54	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: L2467934-10	**Date Collected**	: 11/18/24 16:30
Client ID	: FIELD BLANK	**Date Received**	: 11/19/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 11/26/24 05:47
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-54	**Analyst**	: AKM
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
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001430-1	**Date Collected**	: NA
Client ID	: WG2001430-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/26/24 02:58
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-40	**Analyst**	: AKM
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**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab ID	: WG2001430-1	**Date Collected**	: NA
Client ID	: WG2001430-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/26/24 02:58
Sample Matrix	: WATER	**Date Extracted**	: 11/23/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18241125b-40	**Analyst**	: AKM
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

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-43.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:34
Operator : PEST18:akm
Sample : L2467934-01,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:09 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.753	1.850	111.7E6	840.3E6	25.000	25.000
	Standard Area 1 : #1 = 98702682				Recovery = 113.15%		
	Standard Area 1 : #2 = 692996124				Recovery = 121.25%		
28) i	1-br-2-nb_Ch	1.753	1.850	111.7E6	840.3E6	25.000	25.000
33) i	1-br-2-nb_To	1.753	1.850	111.7E6	840.3E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.194	2.421	186.6E6	1128.7E6	32.602M3	31.446M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	65.20%	62.89%
27) s	Decachlorobi	7.009	7.650	156.1E6	622.8E6	27.680M4	23.535M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	55.36%	47.07%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	2.981	3.539	8333264	49739618	1.288M4	1.068M4
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-43.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:34
Operator : PEST18:akm
Sample : L2467934-01,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:09 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	5.972	6.354	4507990	25012077	0.870M4	0.718
26)	Endrin Keton	6.199	6.769	4406391	21804184	0.732M4	0.585M4
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

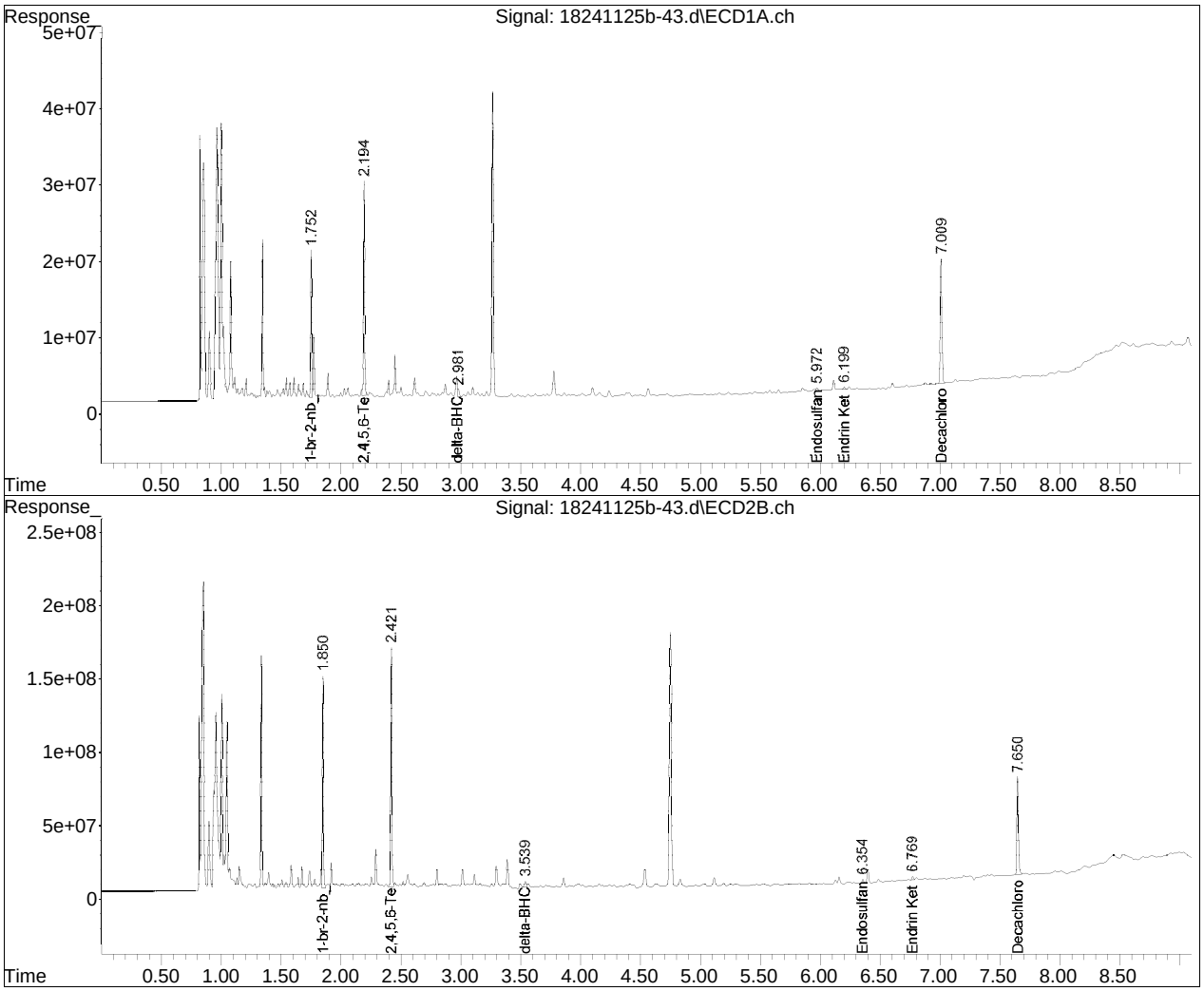
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-43.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:34
Operator : PEST18:akm
Sample : L2467934-01,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:09 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

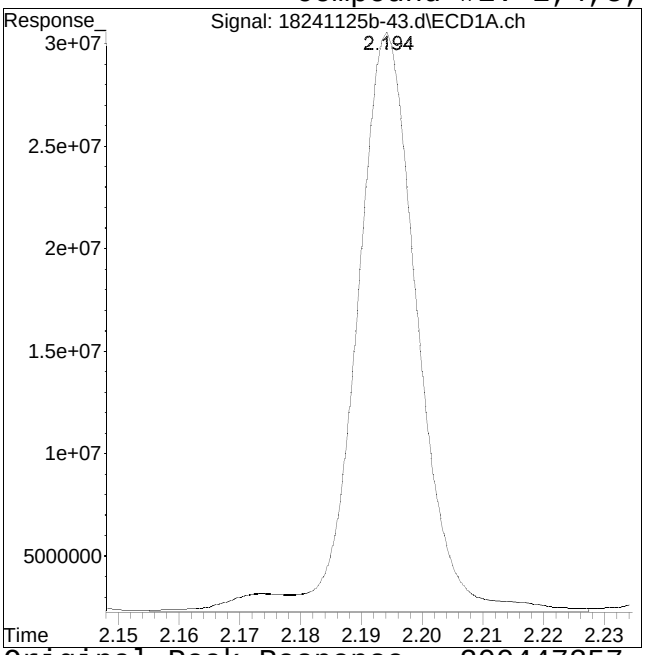
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

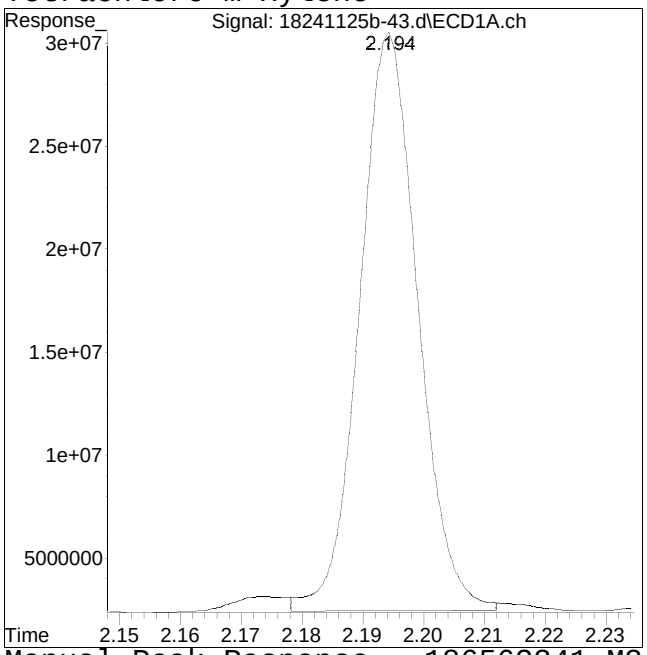


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-43.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:34 Instrument : Pest 18
Sample : L2467934-01,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



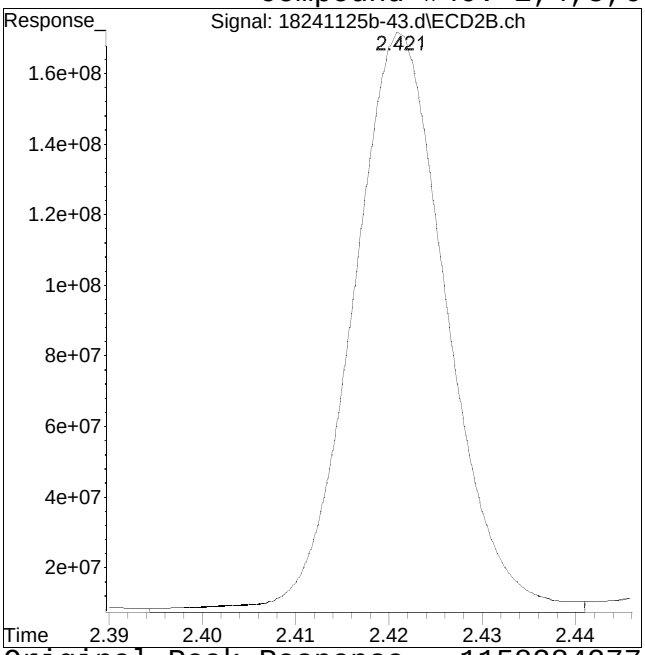


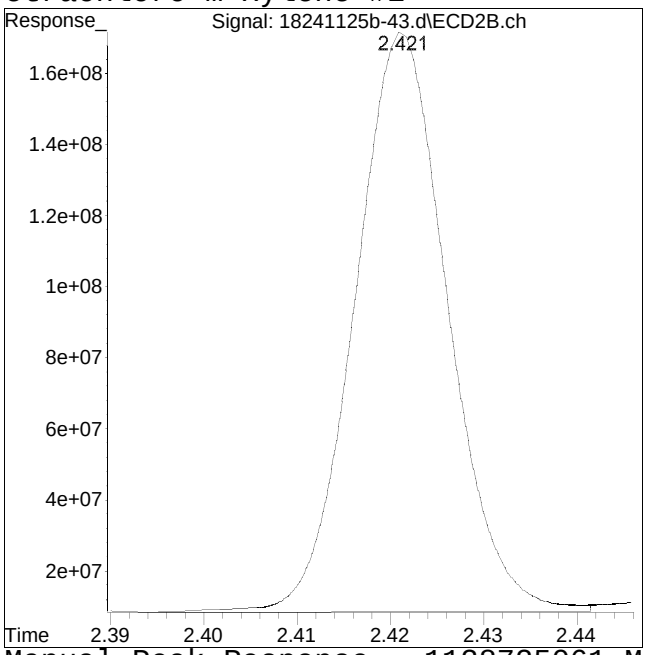
Original Peak Response = 200447357 Manual Peak Response = 186563341 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-43.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:34 Instrument : Pest 18
Sample : L2467934-01,42,, Quant Date : 11/26/2024 7:38 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



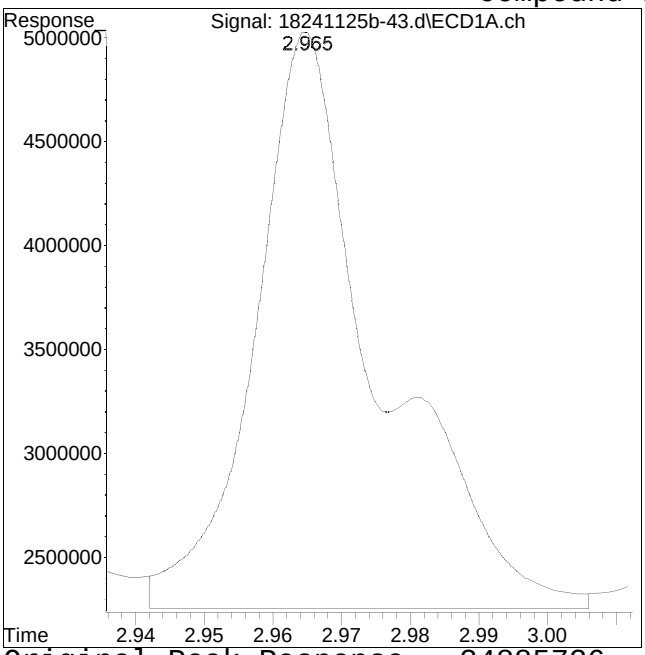


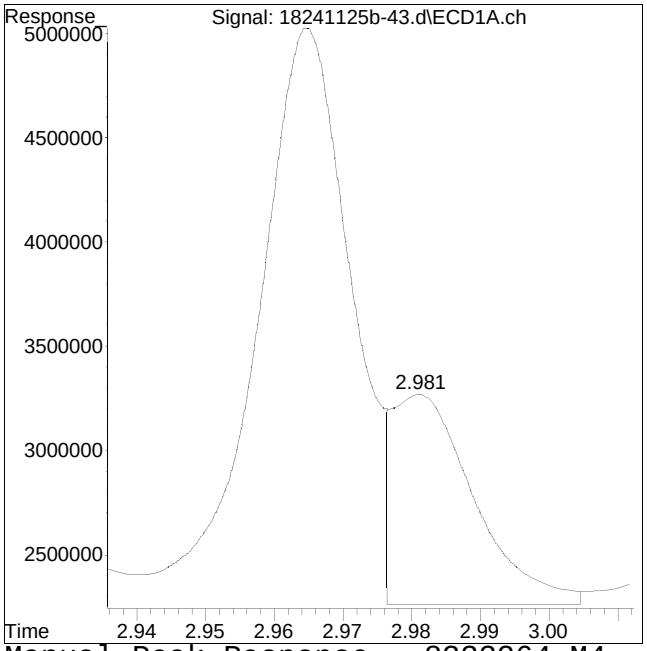
Original Peak Response = 1158284277 Manual Peak Response = 1128725061 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-43.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:34 Instrument : Pest 18
Sample : L2467934-01,42,, Quant Date : 11/26/2024 7:38 am

Compound #7: delta-BHC



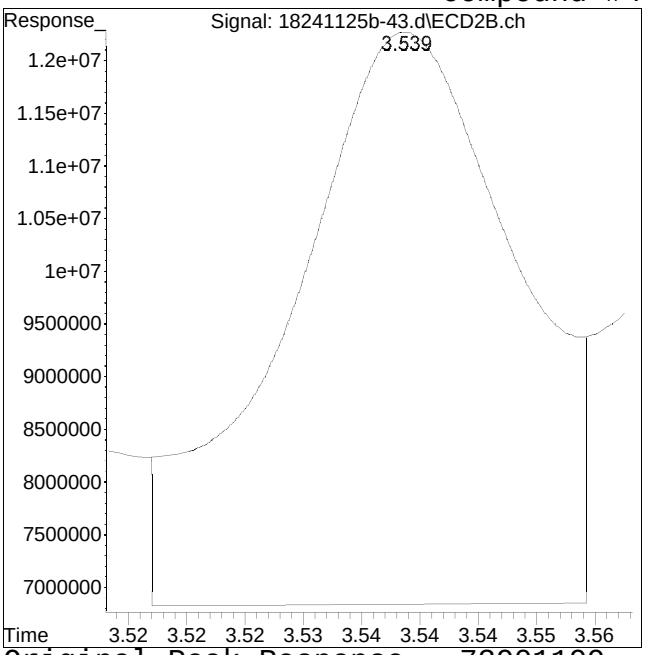


Original Peak Response = 34885736 Manual Peak Response = 8333264 M4
M4 = Poor automated baseline construction.

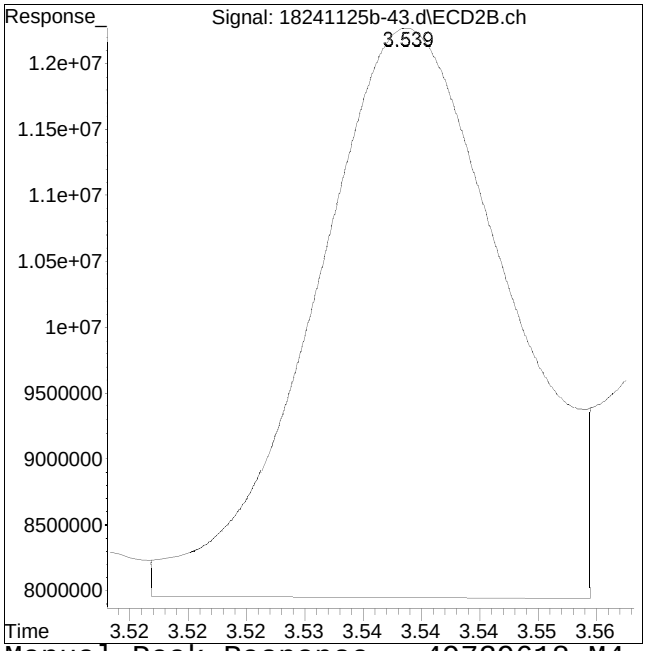
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-43.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:34 Instrument : Pest 18
Sample : L2467934-01,42,, Quant Date : 11/26/2024 7:38 am

Compound #45: delta-BHC #2



Original Peak Response = 73901199



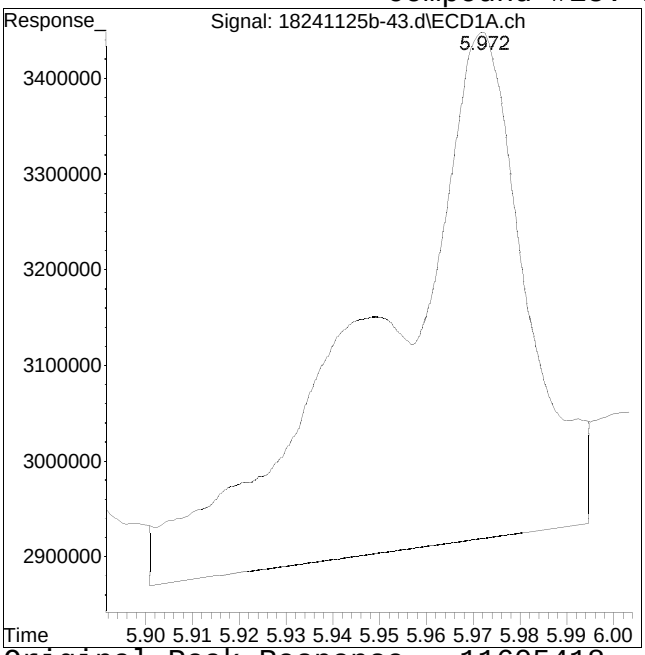
Manual Peak Response = 49739618 M4

M4 = Poor automated baseline construction.

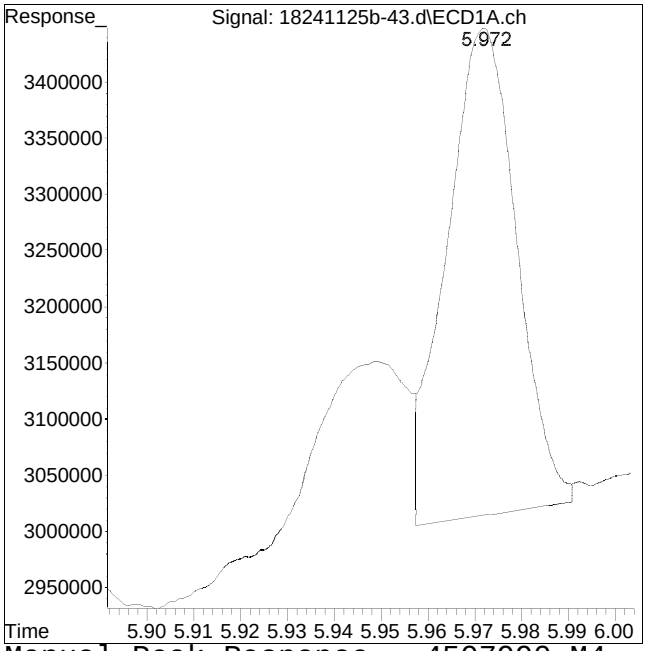
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-43.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:34 Instrument : Pest 18
Sample : L2467934-01,42,, Quant Date : 11/26/2024 7:38 am

Compound #25: Endosulfan Sulfate



Original Peak Response = 11605418



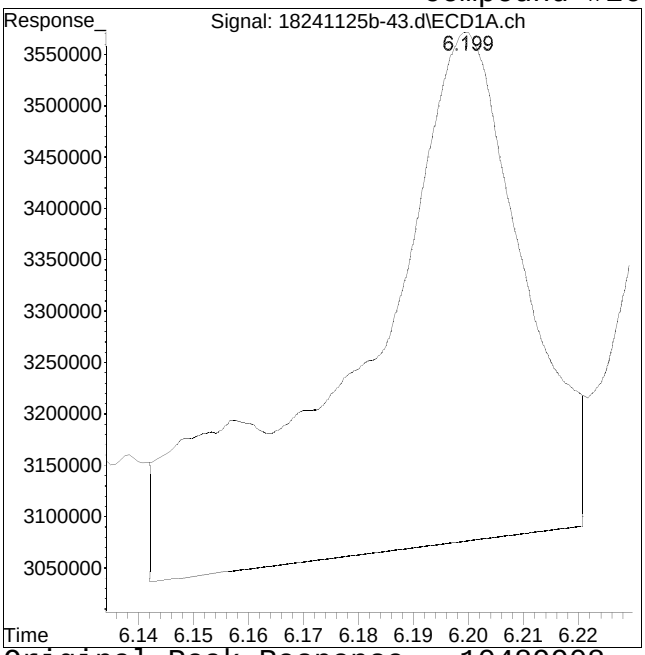
Manual Peak Response = 4507990 M4

M4 = Poor automated baseline construction.

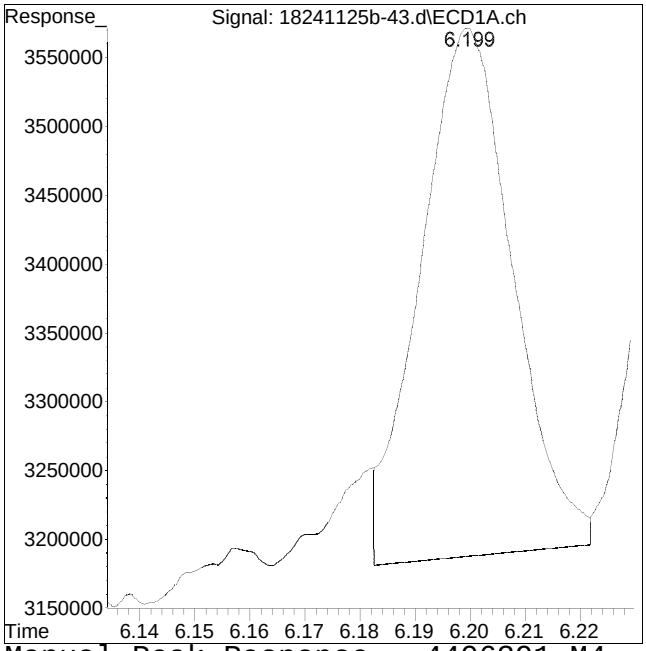
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-43.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:34 Instrument : Pest 18
Sample : L2467934-01,42,, Quant Date : 11/26/2024 7:38 am

Compound #26: Endrin Ketone



Original Peak Response = 10489908



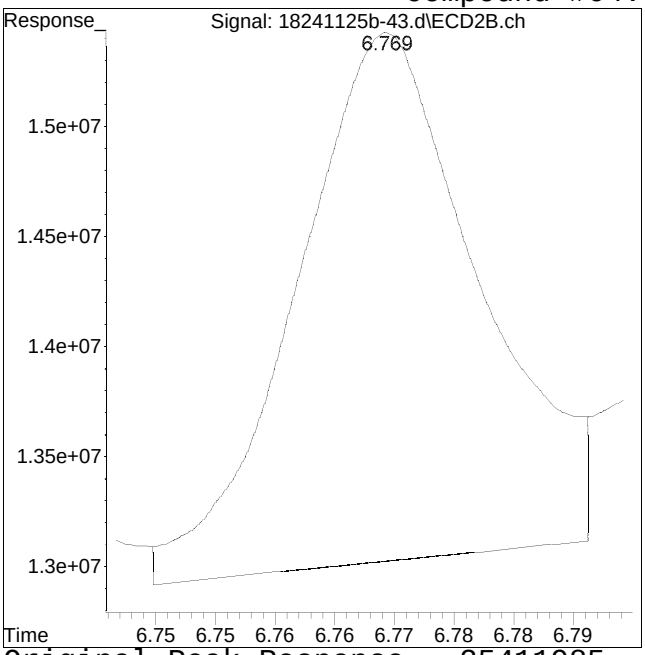
Manual Peak Response = 4406391 M4

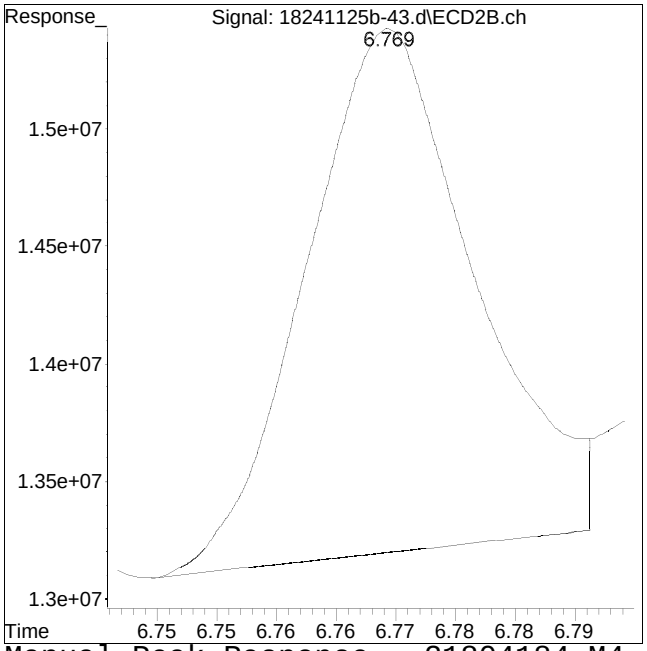
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-43.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:34 Instrument : Pest 18
Sample : L2467934-01,42,, Quant Date : 11/26/2024 7:38 am

Compound #64: Endrin Ketone #2



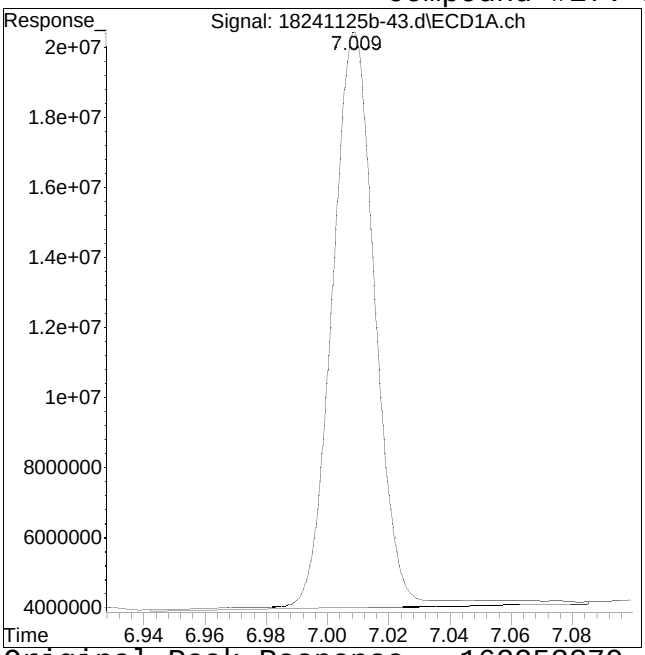


Original Peak Response = 25411985 Manual Peak Response = 21804184 M4
M4 = Poor automated baseline construction.

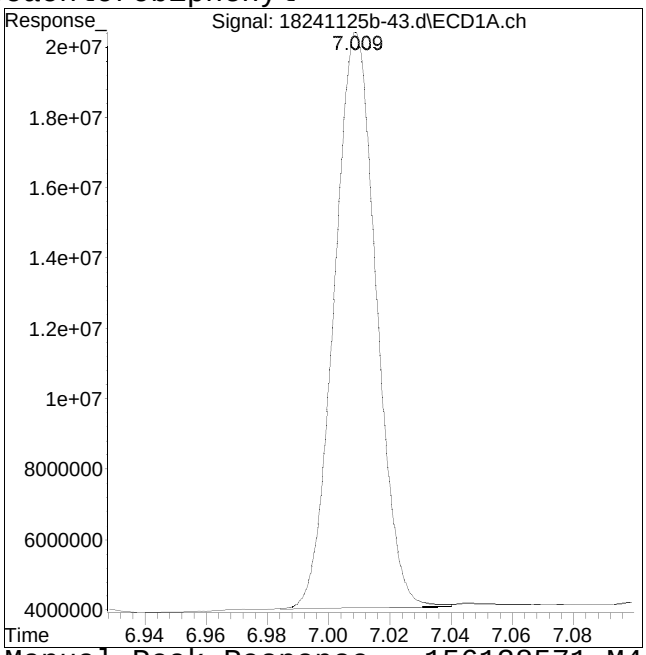
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-43.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:34 Instrument : Pest 18
Sample : L2467934-01,42,, Quant Date : 11/26/2024 7:38 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 162253379



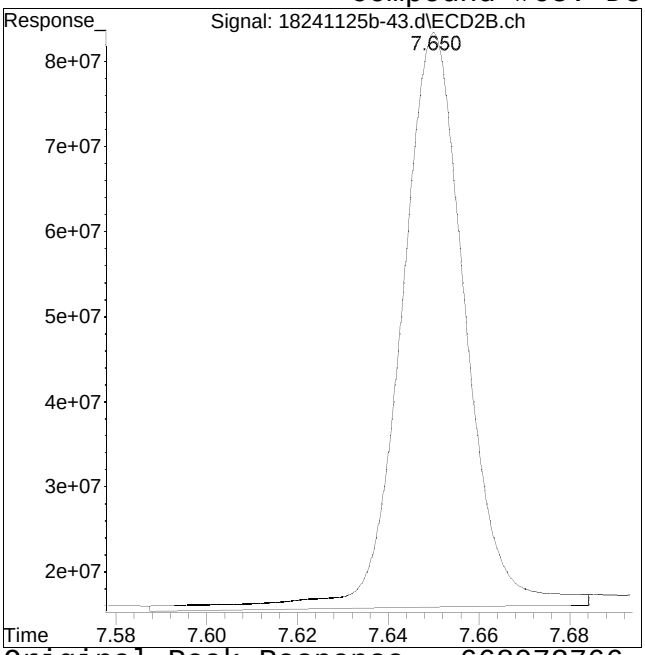
Manual Peak Response = 156138571 M4

M4 = Poor automated baseline construction.

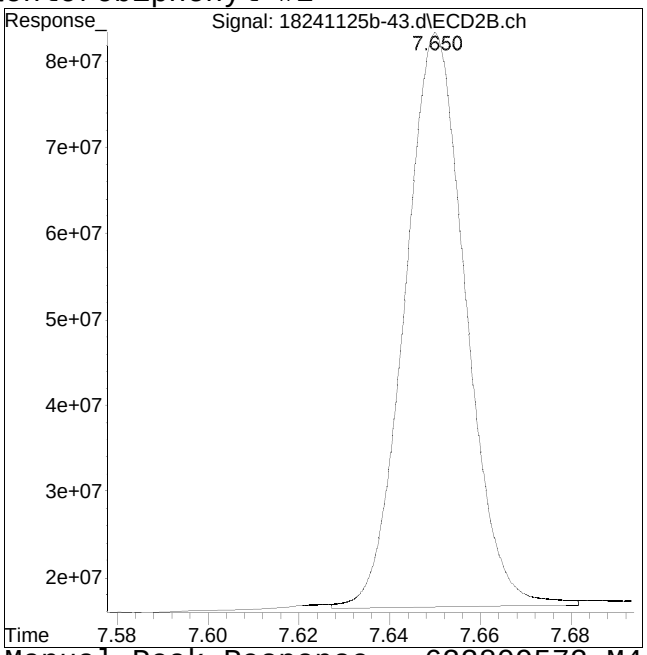
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-43.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:34 Instrument : Pest 18
Sample : L2467934-01,42,, Quant Date : 11/26/2024 7:38 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 668072766



Manual Peak Response = 622809572 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-44.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:46
Operator : PEST18:akm
Sample : L2467934-02,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:12 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.752	1.849	113.7E6	700.4E6	25.000	25.000
	Standard Area 1 : #1 = 98702682				Recovery = 115.15%		
	Standard Area 1 : #2 = 692996124				Recovery = 101.06%		
28) i	1-br-2-nb_Ch	1.752	1.849	113.7E6	700.4E6	25.000	25.000
33) i	1-br-2-nb_To	1.752	1.849	113.7E6	700.4E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.193	2.420	181.8E6	1179.6E6	31.215M3	39.429
	Spiked Amount	50.000	Range 30 - 150		Recovery =	62.43%	78.86%
27) s	Decachlorobi	7.010	7.648	156.1E6	619.0E6	27.163	28.260M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	54.33%	56.52%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-44.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:46
Operator : PEST18:akm
Sample : L2467934-02,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:12 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	6.200	6.769	1191698	6003072	0.195M4	0.193M4
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

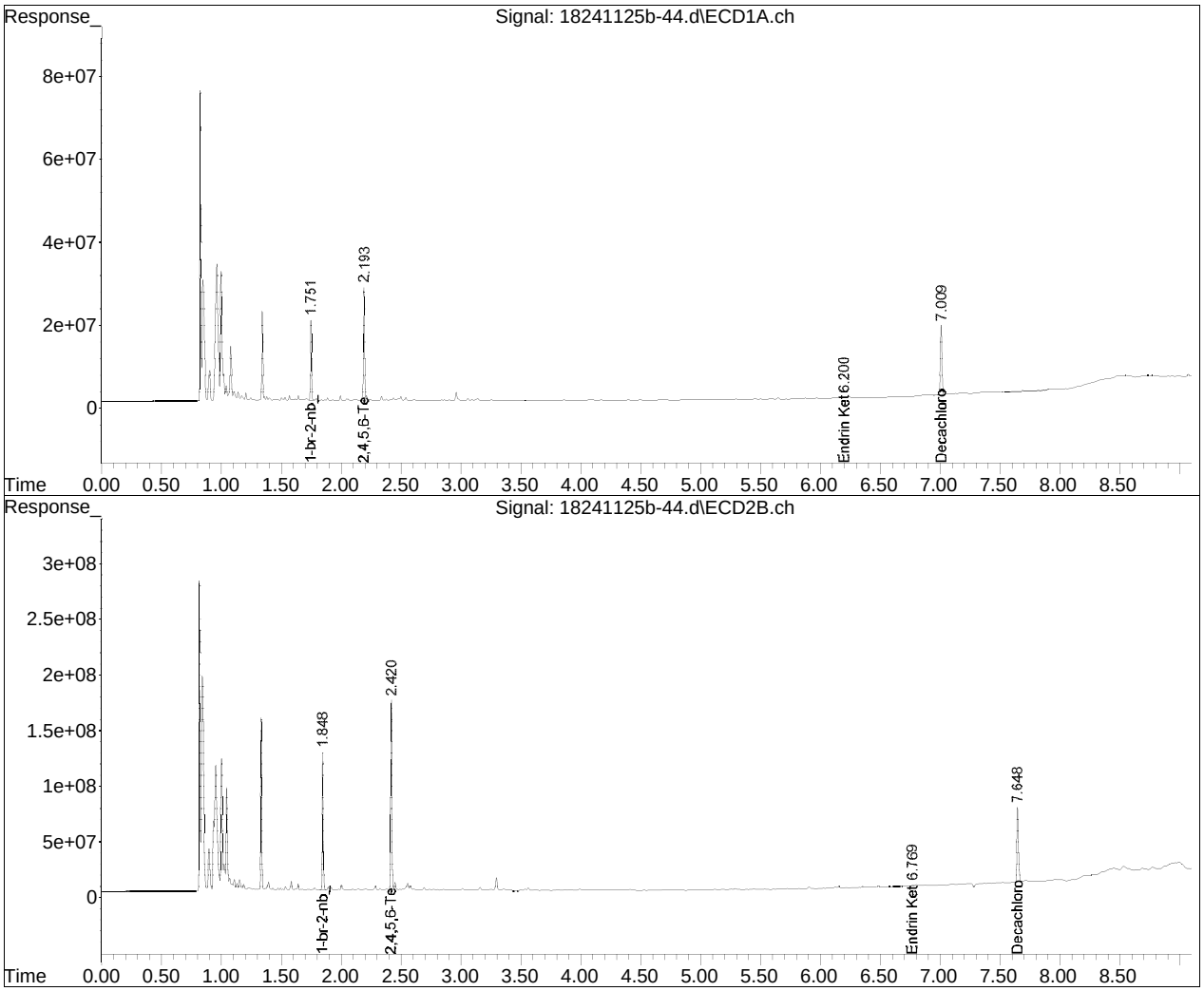
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-44.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:46
Operator : PEST18:akm
Sample : L2467934-02,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:12 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

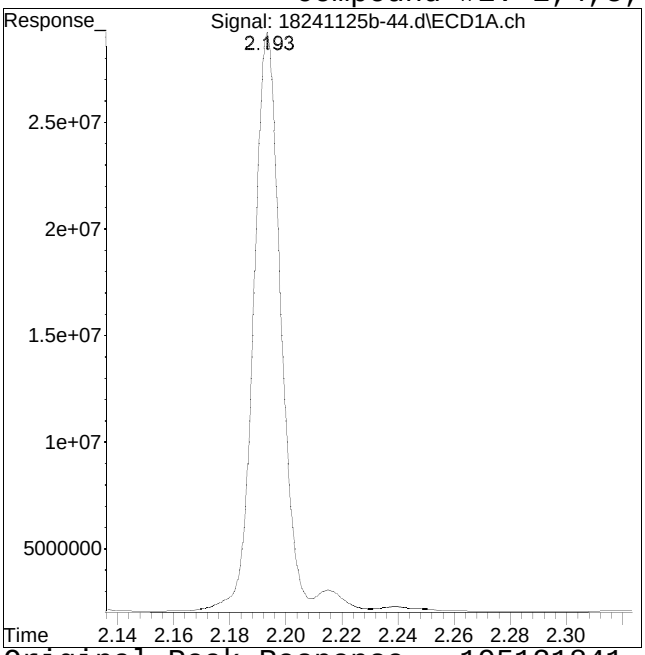
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

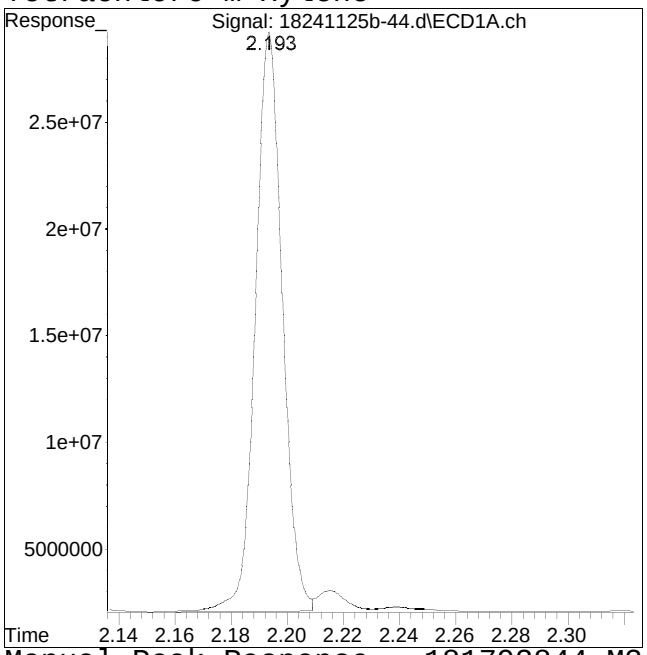


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-44.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:46 Instrument : Pest 18
Sample : L2467934-02,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



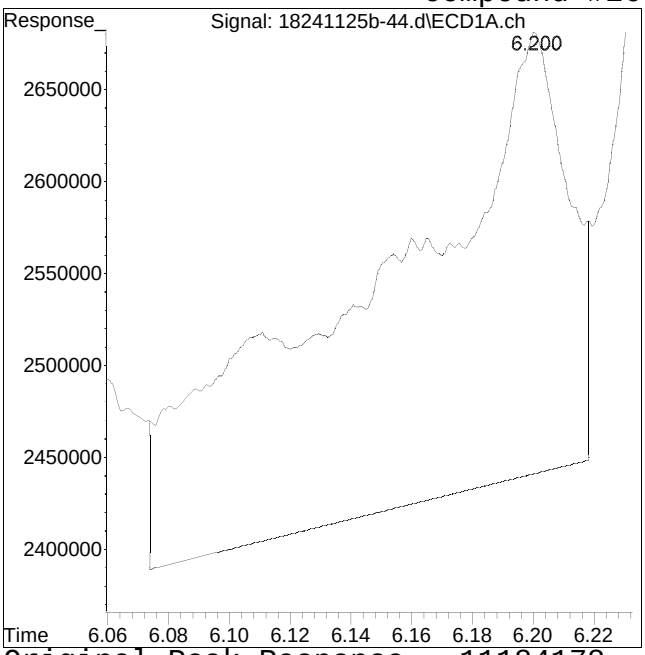


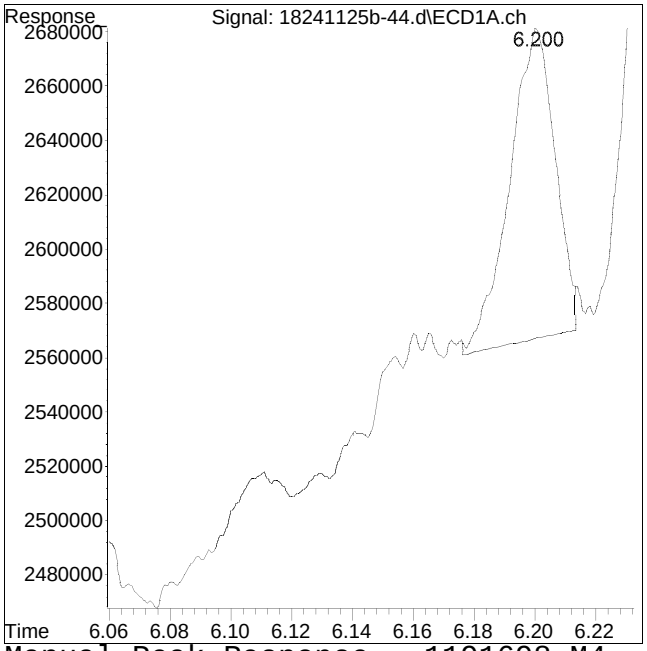
Original Peak Response = 195121841 Manual Peak Response = 181793844 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-44.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:46 Instrument : Pest 18
Sample : L2467934-02,42,, Quant Date : 11/26/2024 7:38 am

Compound #26: Endrin Ketone



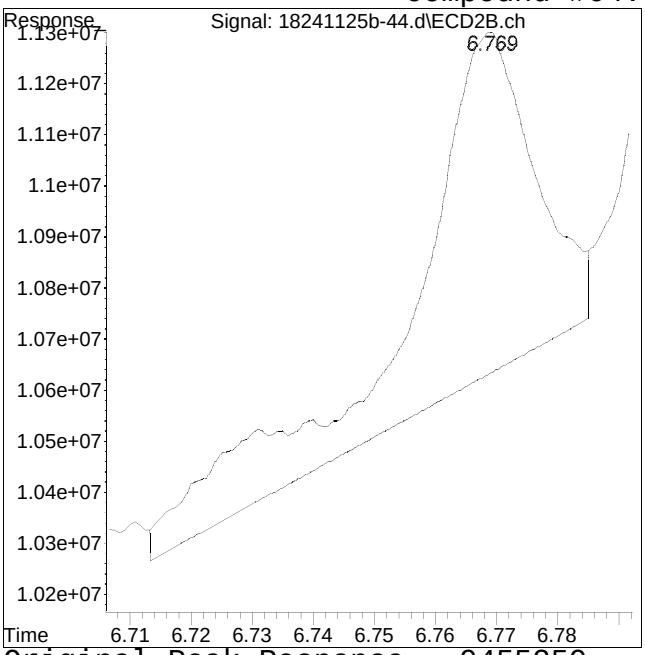


Original Peak Response = 11184178 Manual Peak Response = 1191698 M4
M4 = Poor automated baseline construction.

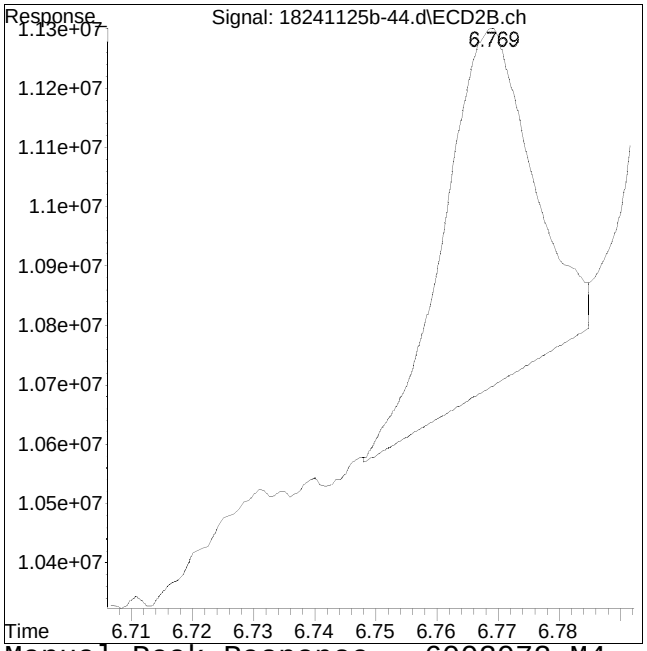
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-44.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:46 Instrument : Pest 18
Sample : L2467934-02,42,, Quant Date : 11/26/2024 7:38 am

Compound #64: Endrin Ketone #2



Original Peak Response = 9455259



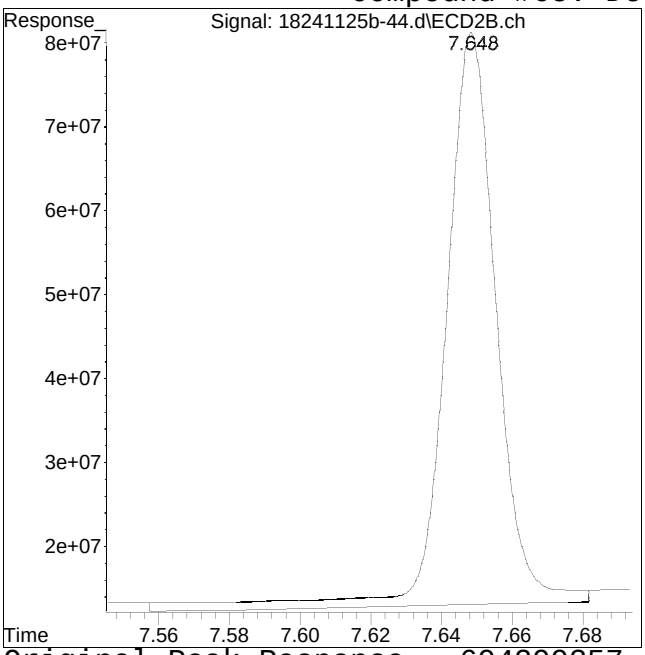
Manual Peak Response = 6003072 M4

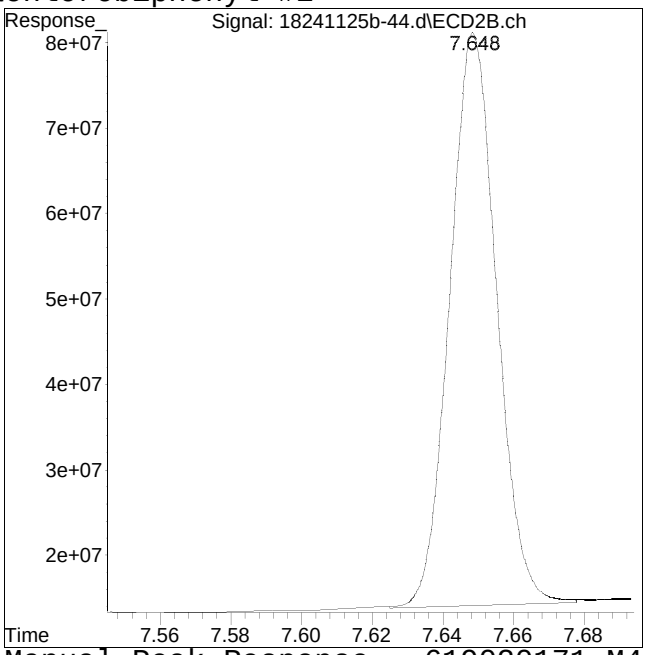
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-44.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:46 Instrument : Pest 18
Sample : L2467934-02,42,, Quant Date : 11/26/2024 7:38 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 694299357 Manual Peak Response = 619020171 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-45.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:58
Operator : PEST18:akm
Sample : L2467934-03,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:14 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.752	1.849	112.9E6	715.1E6	25.000	25.000
	Standard Area 1 : #1 = 98702682				Recovery = 114.41%		
	Standard Area 1 : #2 = 692996124				Recovery = 103.19%		
28) i	1-br-2-nb_Ch	1.752	1.849	112.9E6	715.1E6	25.000	25.000
33) i	1-br-2-nb_To	1.752	1.849	112.9E6	715.1E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.193	2.421	190.2E6	1184.3E6	32.866M3	38.770
	Spiked Amount	50.000	Range 30 - 150		Recovery =	65.73%	77.54%
27) s	Decachlorobi	7.009	7.647	165.4E6	659.8E6	29.054	29.546
	Spiked Amount	50.000	Range 30 - 150		Recovery =	58.11%	59.09%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-45.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:58
Operator : PEST18:akm
Sample : L2467934-03,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:14 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

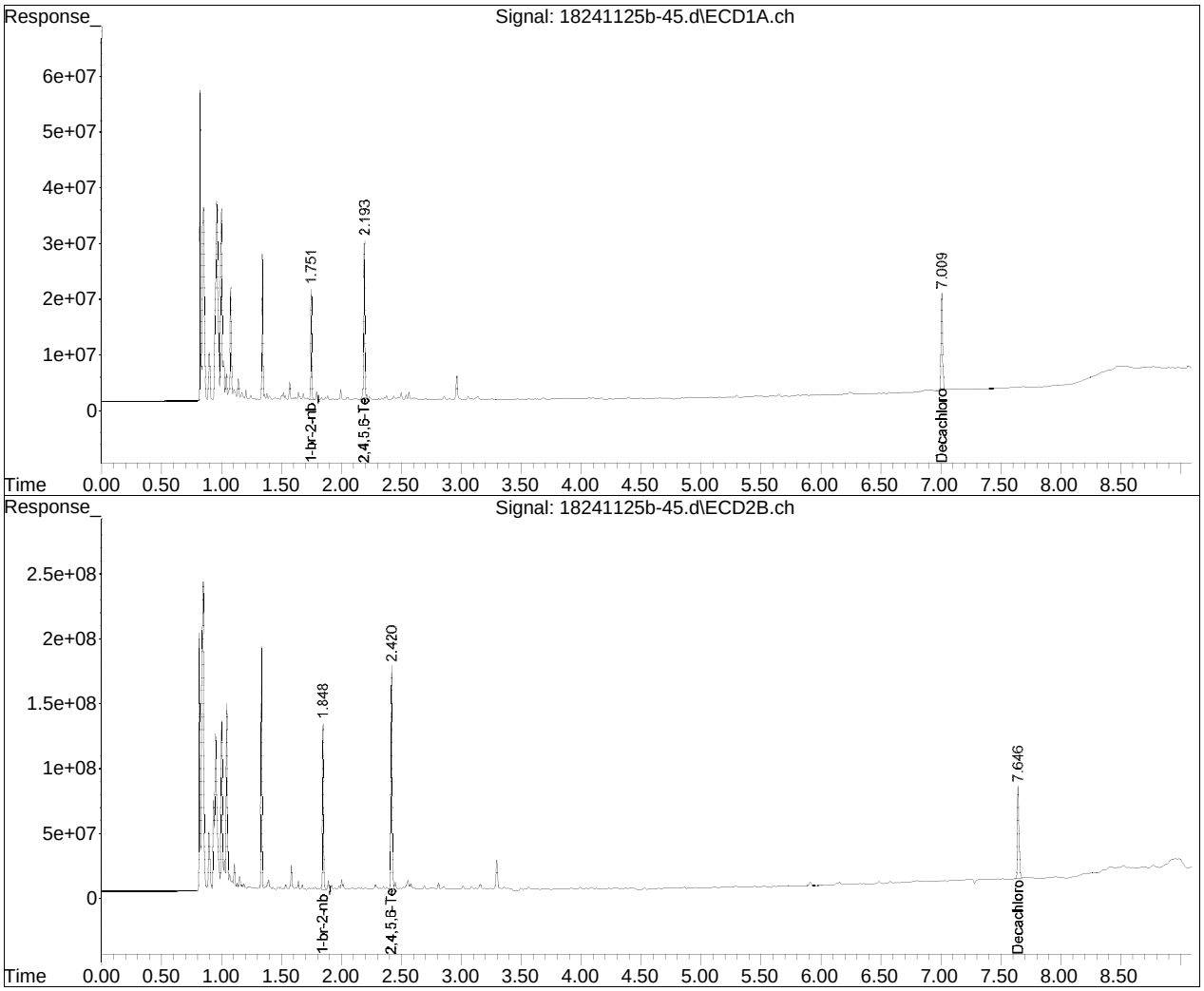
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-45.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:58
Operator : PEST18:akm
Sample : L2467934-03,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:14 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

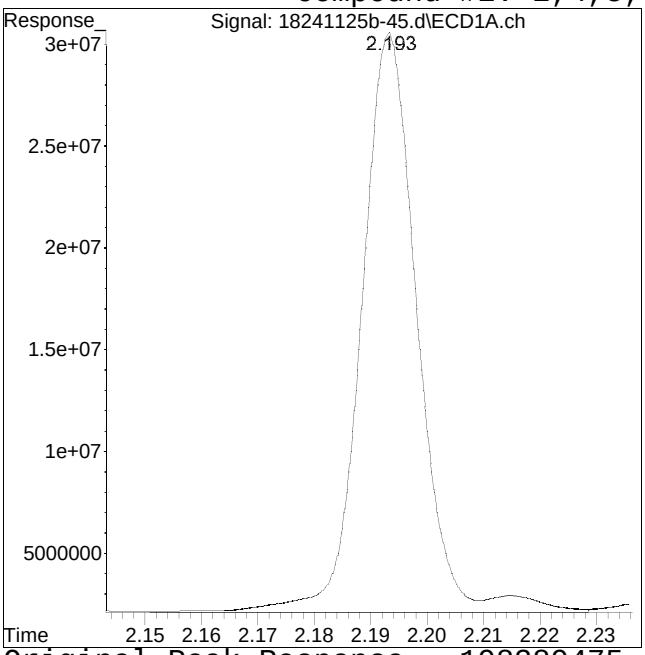
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

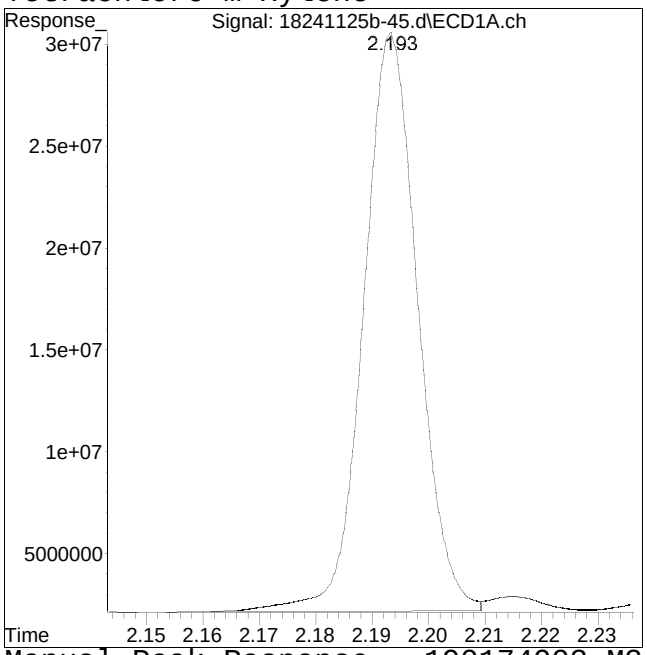


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-45.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:58 Instrument : Pest 18
Sample : L2467934-03,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





Original Peak Response = 198389475 Manual Peak Response = 190174993 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\Pest18\2024\241125b\
Data File : 18241125b-46.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:10
Operator : PEST18:akm
Sample : L2467934-04,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:16 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.751	1.847	116.8E6	809.2E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 98702682				Recovery = 118.34%		
	Standard Area 1 : #2 = 692996124				Recovery = 116.76%		
28) i	1-br-2-nb_Ch	1.751	1.847	116.8E6	809.2E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.751	1.847	116.8E6	809.2E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.194	2.421	199.4E6	1274.1E6	33.323M3	36.861
	Spiked Amount 50.000		Range 30 - 150		Recovery = 66.65%		73.72%
27) s	Decachlorobi	7.017	7.651	187.1E6	747.4E6	31.898	29.579
	Spiked Amount 50.000		Range 30 - 150		Recovery = 63.80%		59.16%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D.	N.D.
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-46.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:10
Operator : PEST18:akm
Sample : L2467934-04,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:16 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D.	N.D.
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

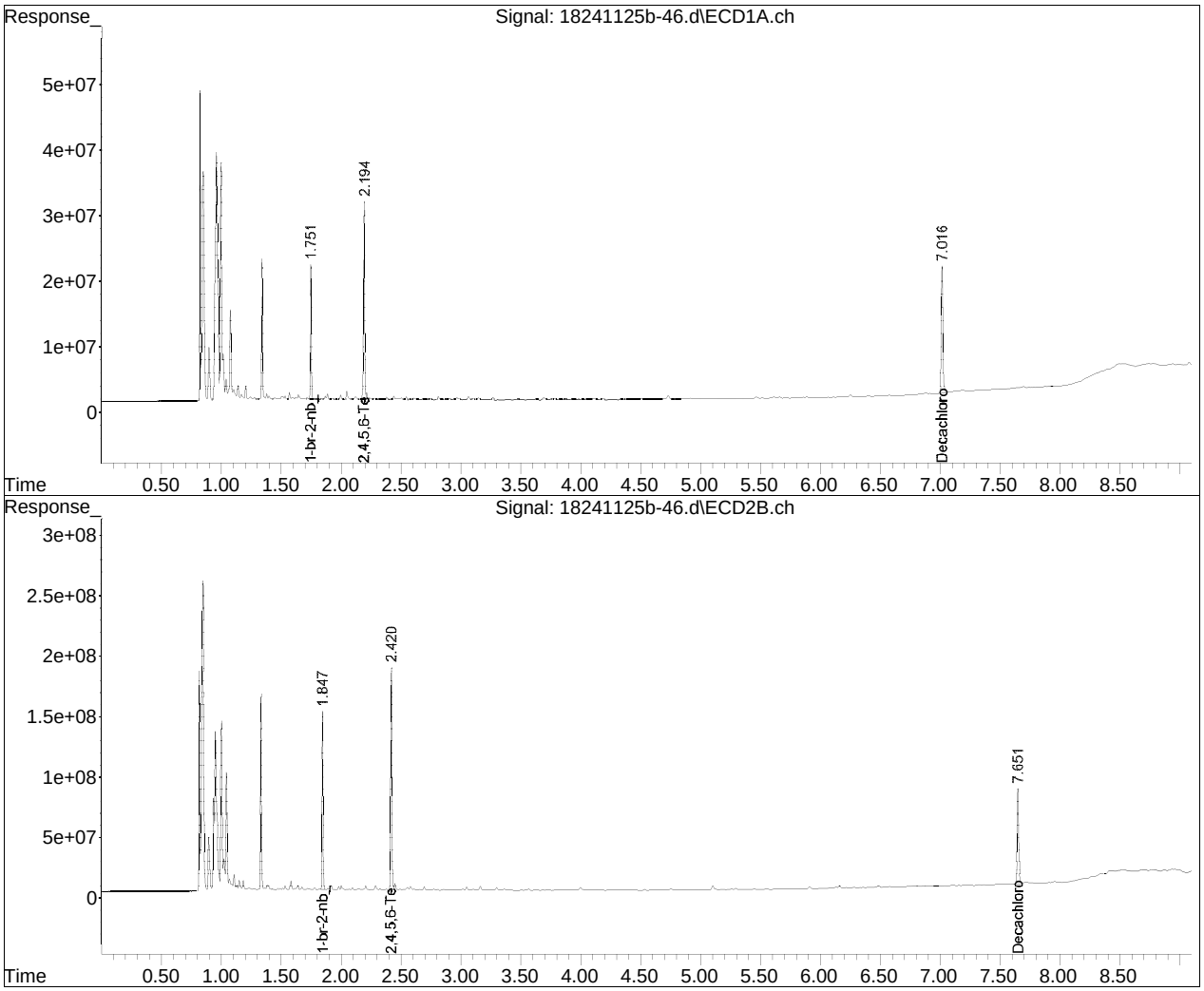
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-46.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:10
Operator : PEST18:akm
Sample : L2467934-04,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:16 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

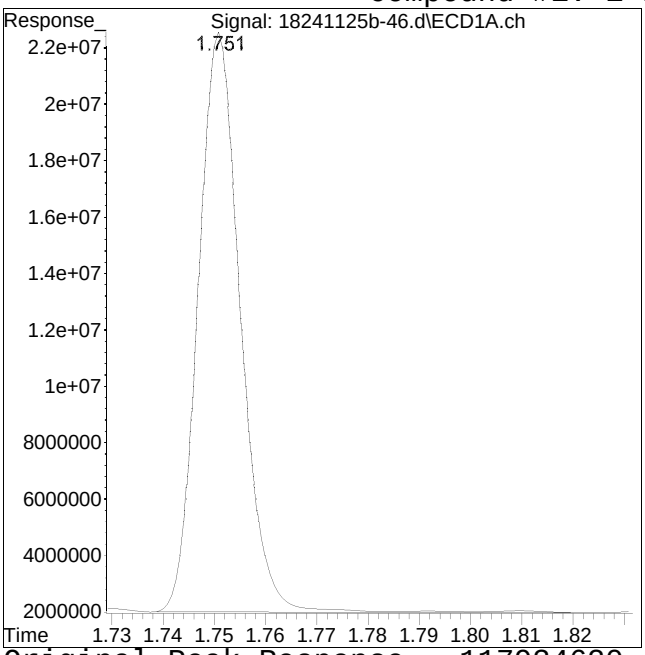
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

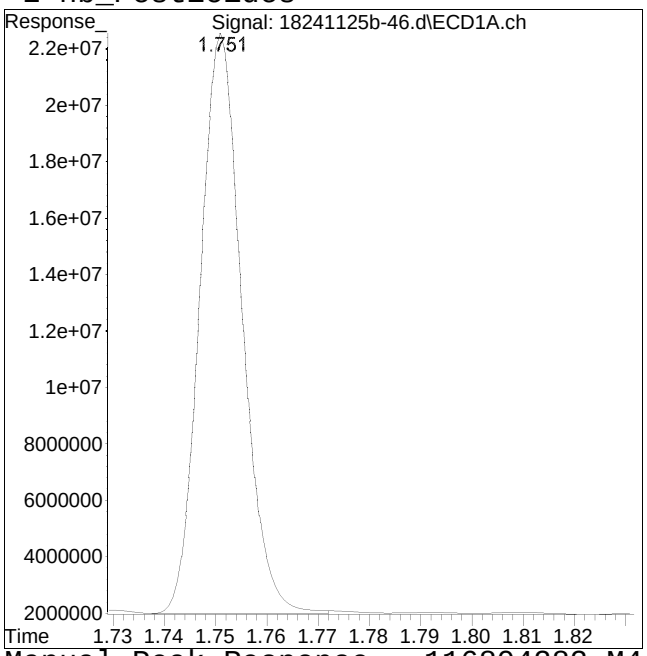


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-46.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:10 Instrument : Pest 18
Sample : L2467934-04,42,, Quant Date : 11/26/2024 7:38 am

Compound #1: 1-br-2-nb_Pesticides



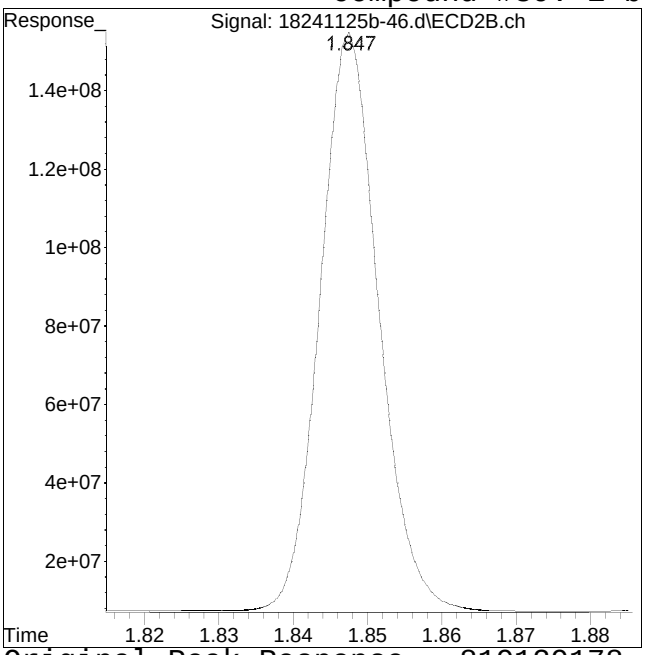


Original Peak Response = 117934620 Manual Peak Response = 116804282 M4
M4 = Poor automated baseline construction.

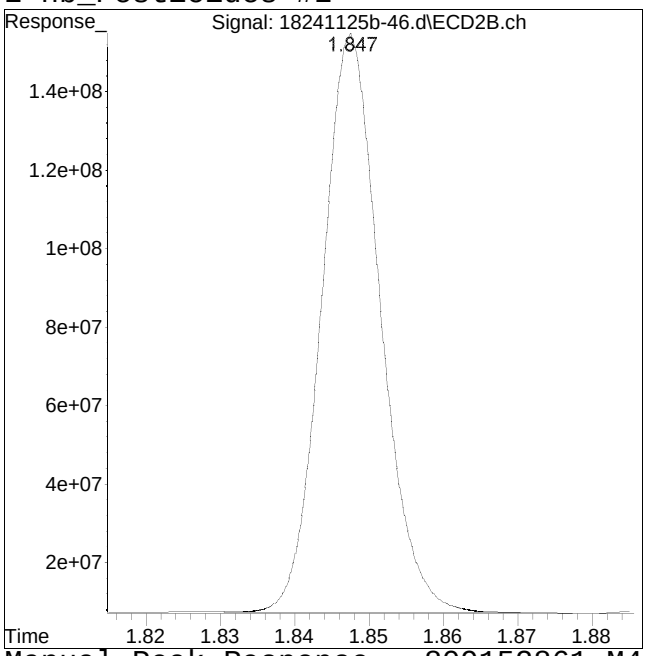
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-46.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:10 Instrument : Pest 18
Sample : L2467934-04,42,, Quant Date : 11/26/2024 7:38 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 819129178



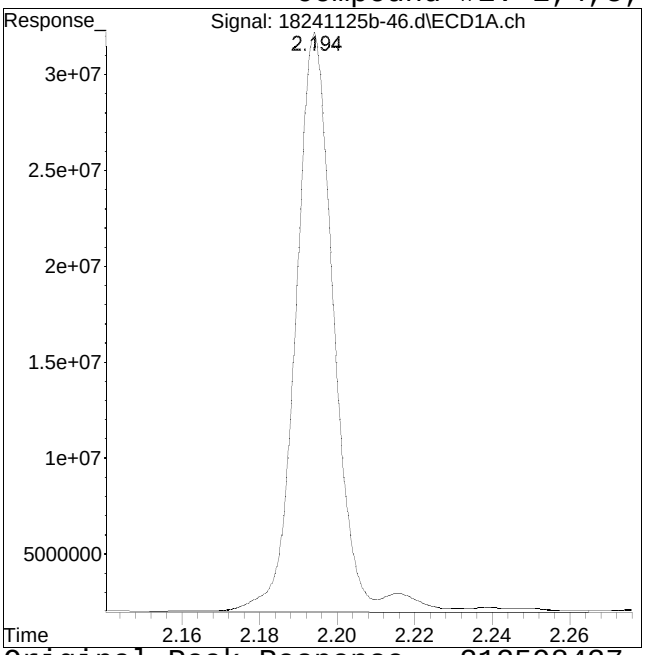
Manual Peak Response = 809152861 M4

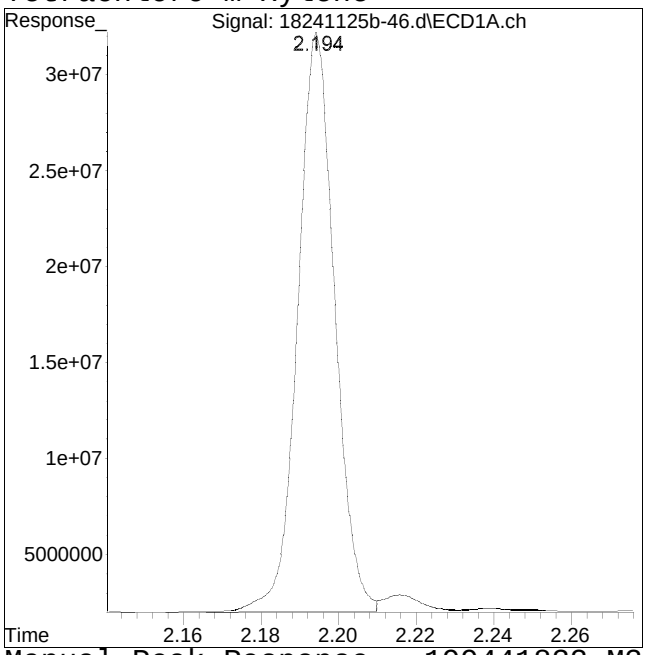
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-46.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:10 Instrument : Pest 18
Sample : L2467934-04,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



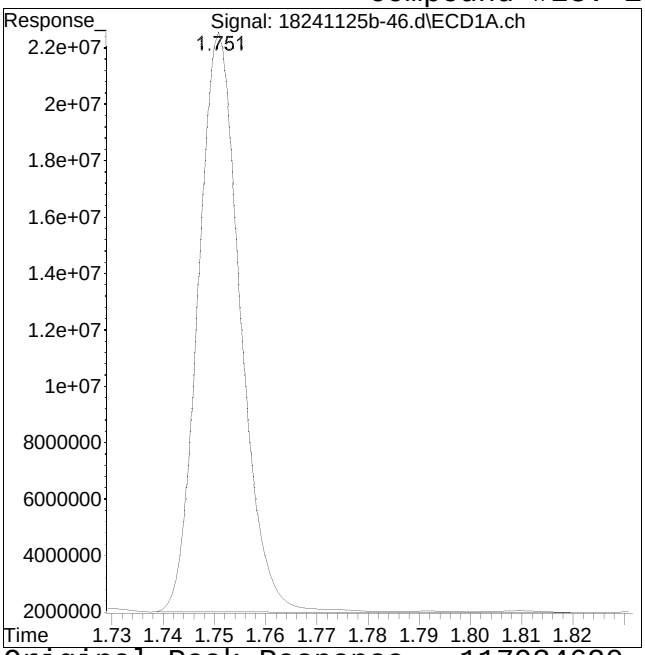


Original Peak Response = 212598437 Manual Peak Response = 199441832 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

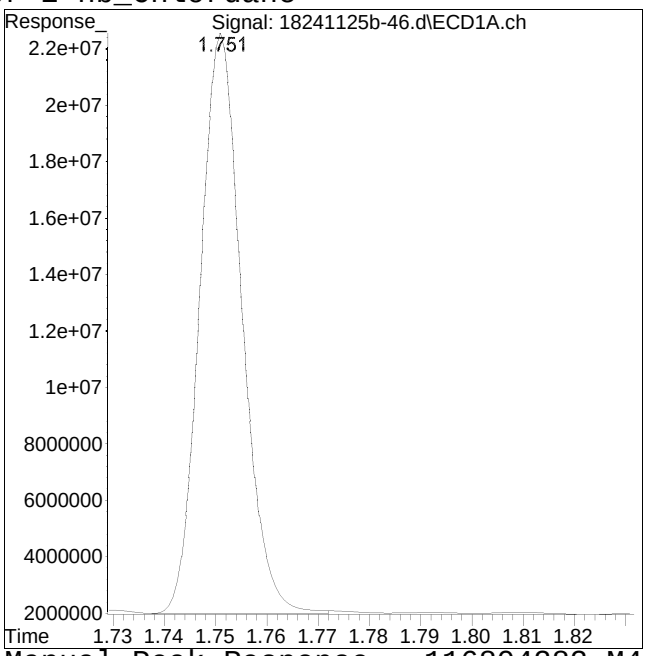
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-46.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:10 Instrument : Pest 18
Sample : L2467934-04,42,, Quant Date : 11/26/2024 7:38 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 117934620



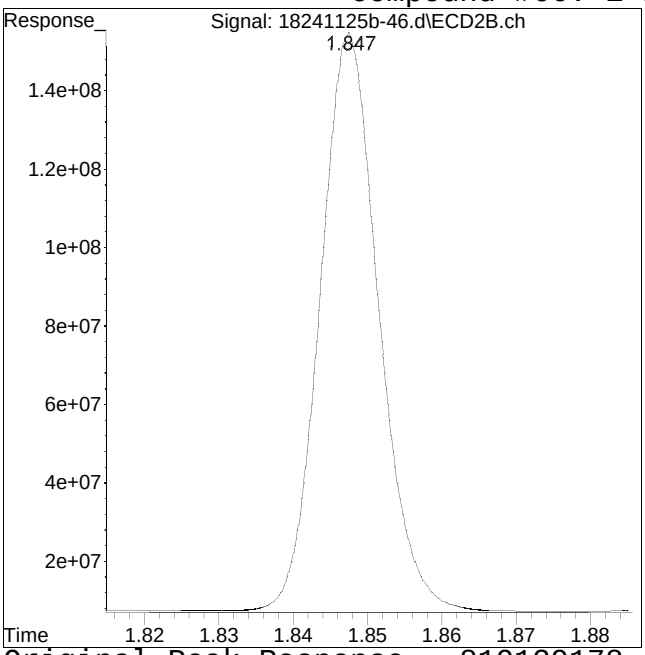
Manual Peak Response = 116804282 M4

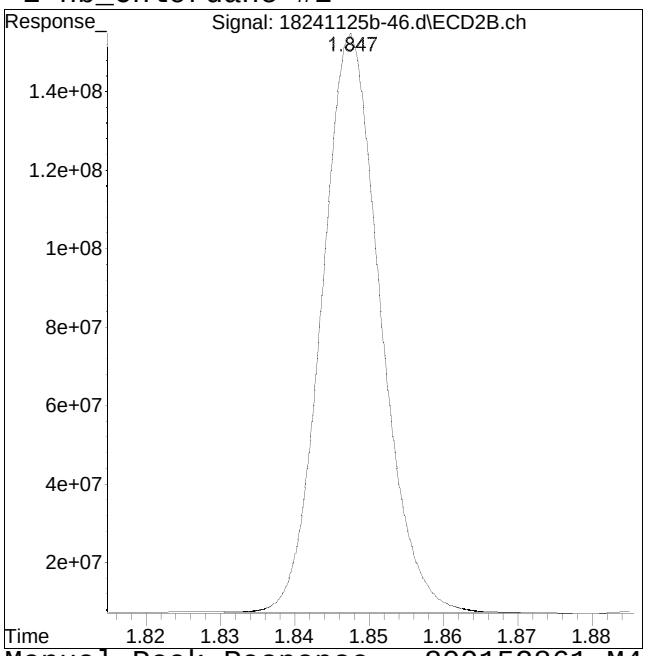
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-46.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:10 Instrument : Pest 18
Sample : L2467934-04,42,, Quant Date : 11/26/2024 7:38 am

Compound #66: 1-br-2-nb_Chlordane #2



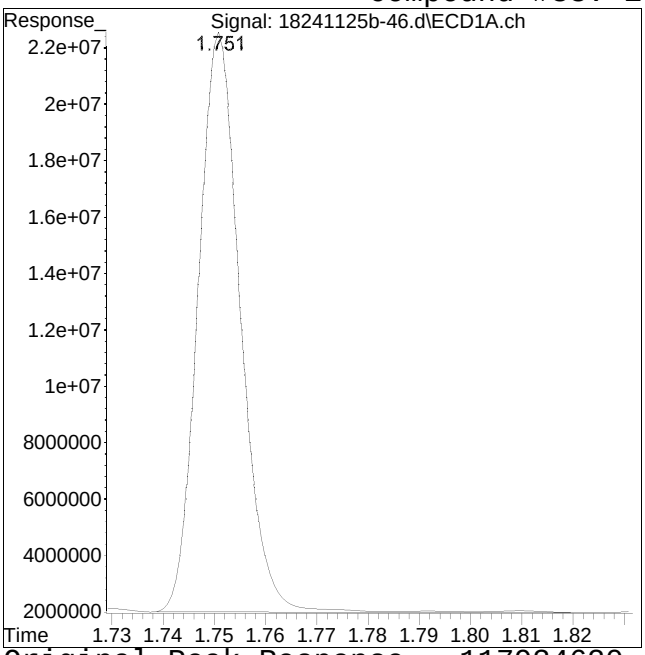


Original Peak Response = 819129178 Manual Peak Response = 809152861 M4
M4 = Poor automated baseline construction.

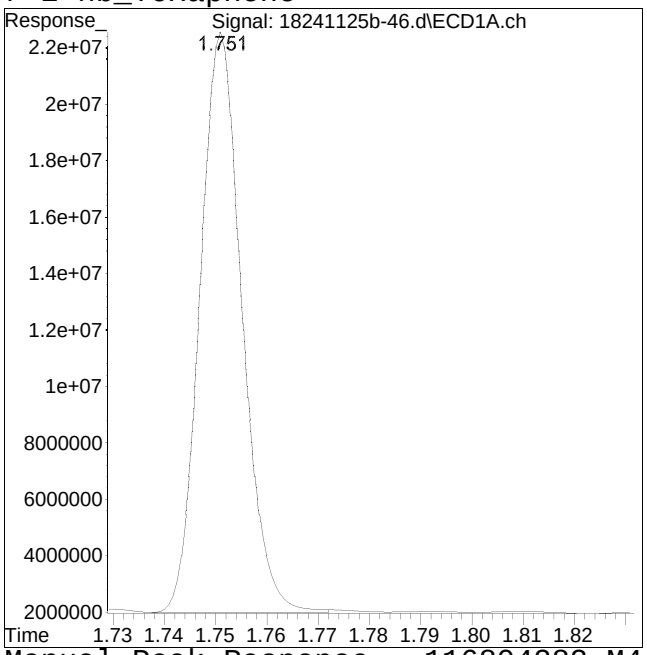
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-46.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:10 Instrument : Pest 18
Sample : L2467934-04,42,, Quant Date : 11/26/2024 7:38 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 117934620



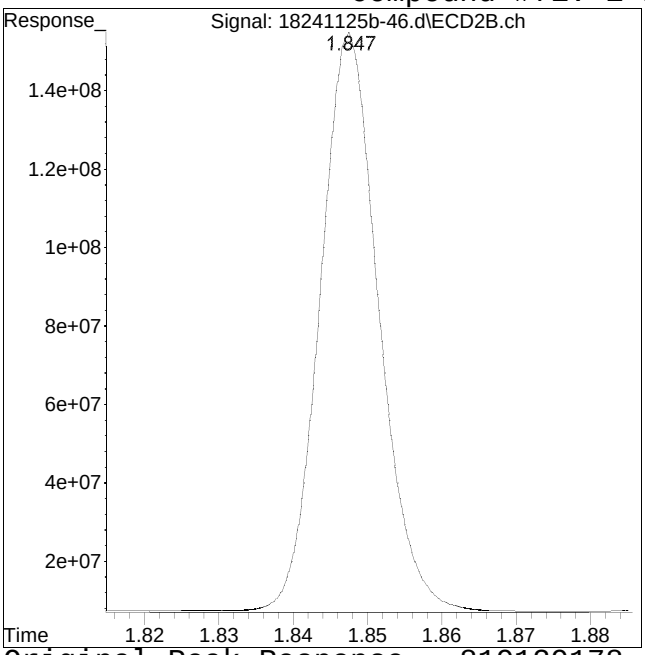
Manual Peak Response = 116804282 M4

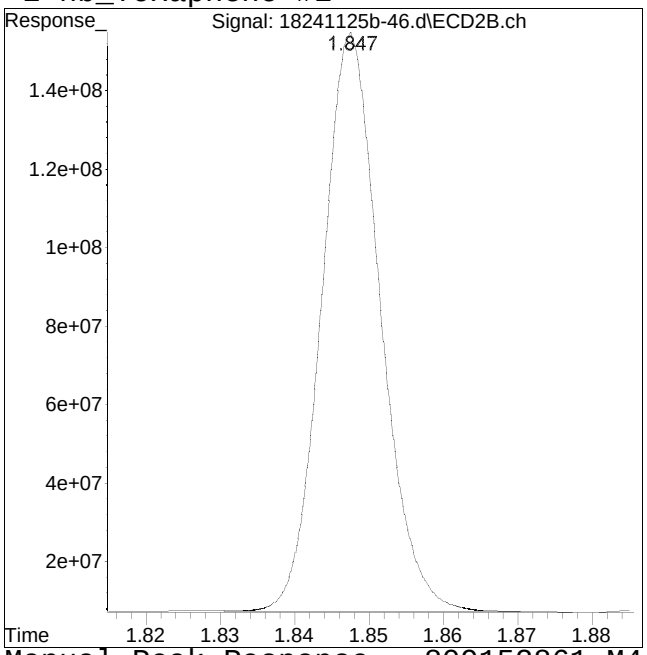
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-46.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:10 Instrument : Pest 18
Sample : L2467934-04,42,, Quant Date : 11/26/2024 7:38 am

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 819129178 Manual Peak Response = 809152861 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-47.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:22
Operator : PEST18:akm
Sample : L2467934-05,42,, p
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:18 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.753	1.850	111.4E6	793.9E6	25.000	25.000M4
	Standard Area 1 : #1 = 98702682				Recovery = 112.85%		
	Standard Area 1 : #2 = 692996124				Recovery = 114.57%		
28) i	1-br-2-nb_Ch	1.753	1.850	111.4E6	793.9E6	25.000	25.000M4
33) i	1-br-2-nb_To	1.753	1.850	111.4E6	793.9E6	25.000	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.194	2.422	201.5E6	1195.3E6	35.314M3	35.244
	Spiked Amount 50.000	Range 30 - 150			Recovery = 70.63%		70.49%
27) s	Decachlorobi	7.009	7.650	197.6E6	827.8E6	35.456	33.519
	Spiked Amount 50.000	Range 30 - 150			Recovery = 70.91%		67.04%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-47.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:22
Operator : PEST18:akm
Sample : L2467934-05,42,, p
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:18 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D.	N.D.
26)	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D.	N.D.
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

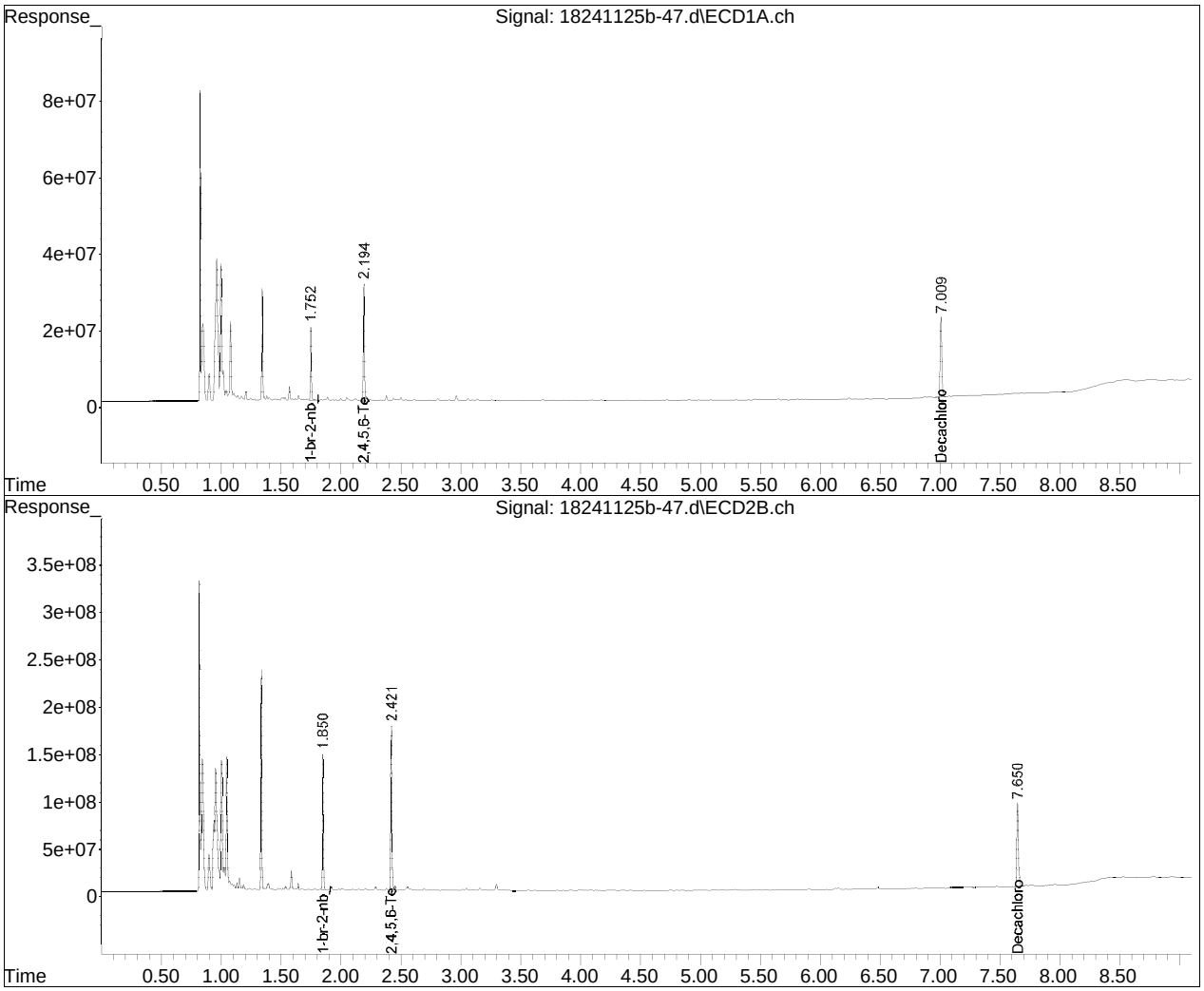
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-47.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:22
Operator : PEST18:akm
Sample : L2467934-05,42,, p
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:18 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

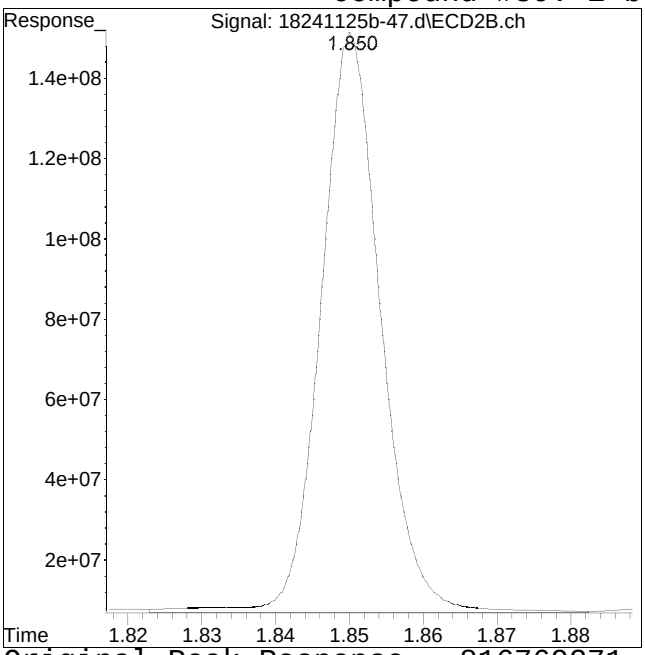
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



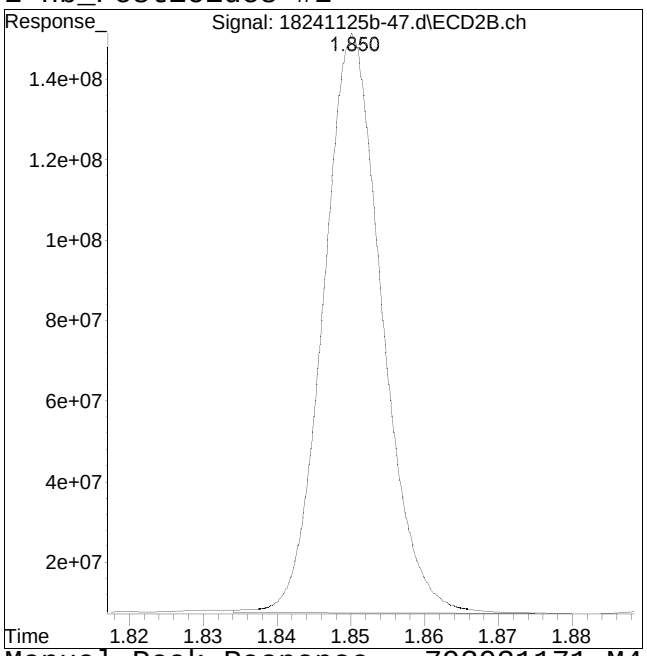
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-47.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:22 Instrument : Pest 18
Sample : L2467934-05,42,, p Quant Date : 11/26/2024 7:38 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 816769271

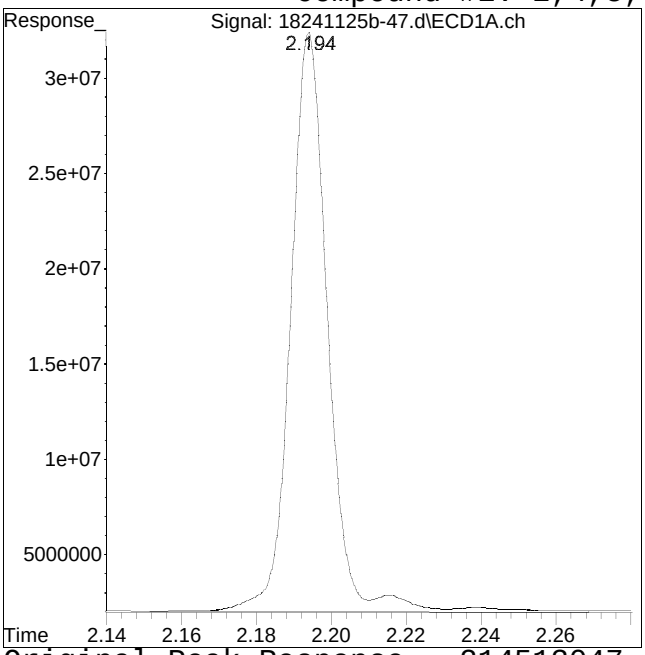


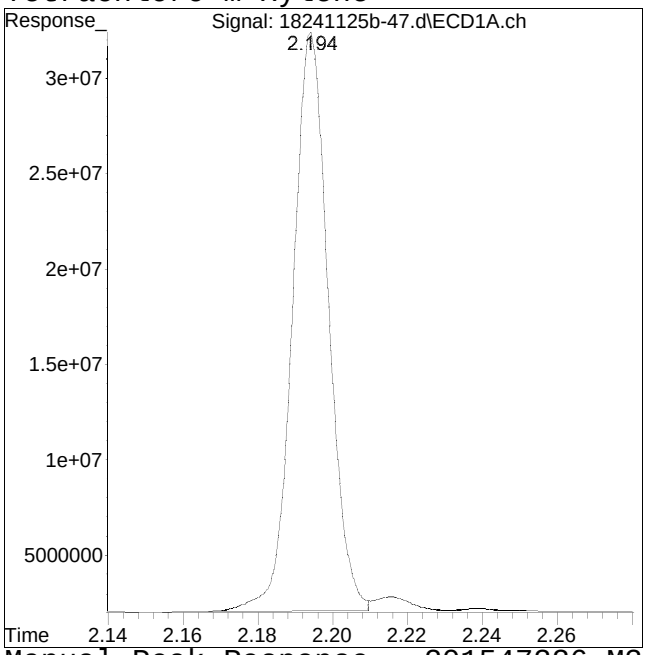
Manual Peak Response = 793931171 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-47.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:22 Instrument : Pest 18
Sample : L2467934-05,42,, p Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



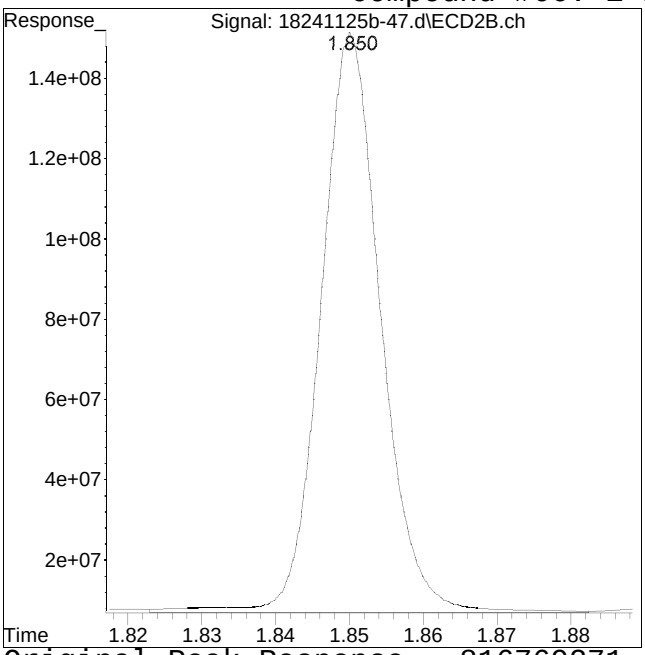


Original Peak Response = 214513047 Manual Peak Response = 201547326 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

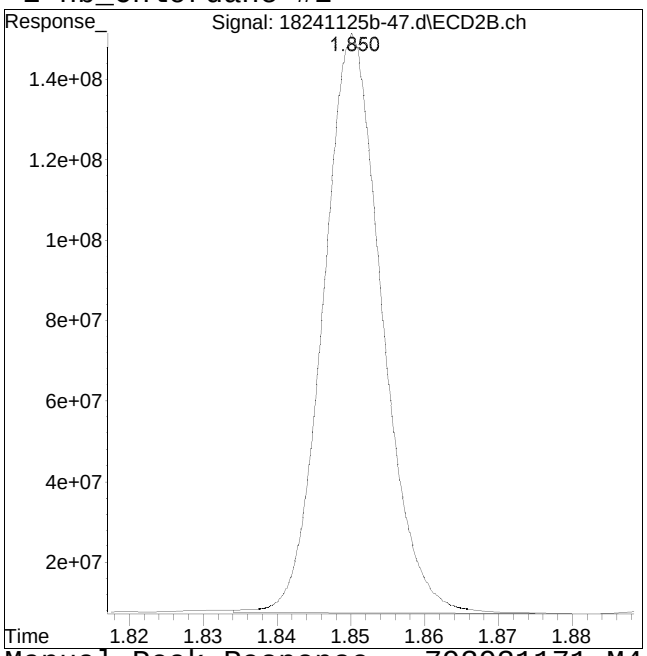
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-47.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:22 Instrument : Pest 18
Sample : L2467934-05,42,, p Quant Date : 11/26/2024 7:38 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 816769271



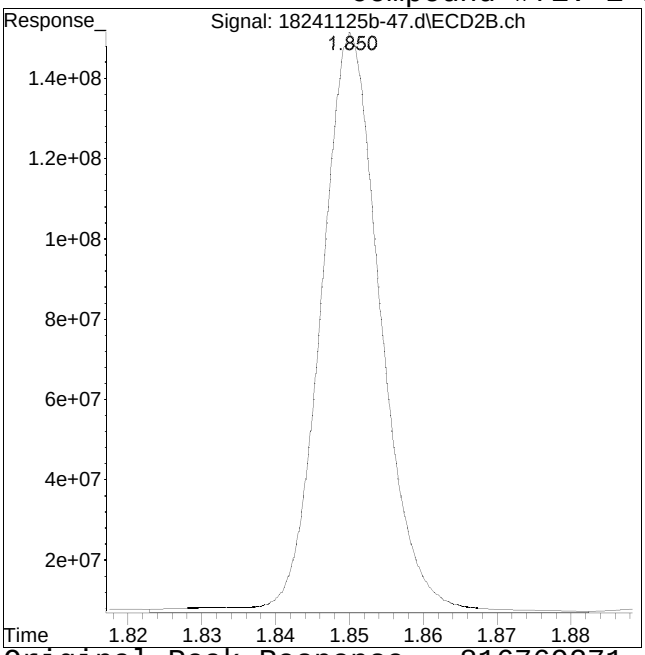
Manual Peak Response = 793931171 M4

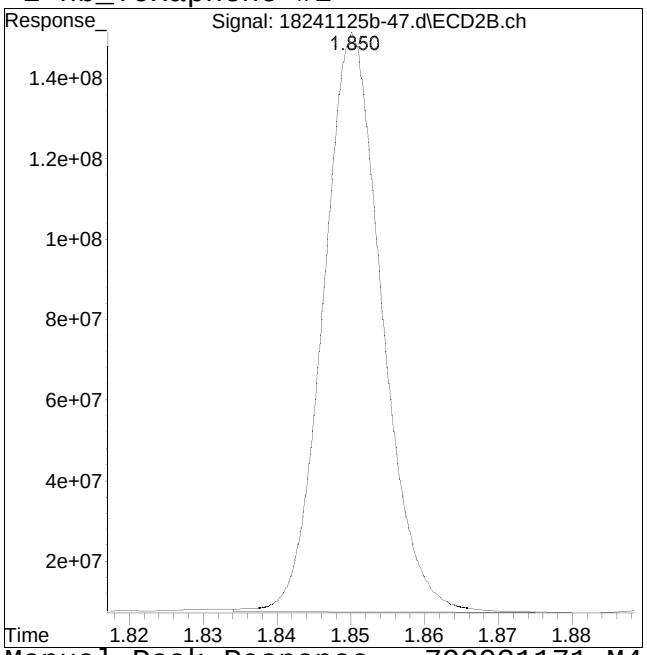
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-47.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:22 Instrument : Pest 18
Sample : L2467934-05,42,, p Quant Date : 11/26/2024 7:38 am

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 816769271 Manual Peak Response = 793931171 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-50.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:58
Operator : PEST18:akm
Sample : L2467934-06,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:25 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.751	1.848	115.0E6	828.9E6	25.000	25.000
	Standard Area 1 : #1 = 98702682				Recovery = 116.50%		
	Standard Area 1 : #2 = 692996124				Recovery = 119.62%		
28) i	1-br-2-nb_Ch	1.751	1.848	115.0E6	828.9E6	25.000	25.000
33) i	1-br-2-nb_To	1.751	1.848	115.0E6	828.9E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.193	2.420	182.1E6	1187.1E6	30.913M4	33.524M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	61.83%	67.05%
27) s	Decachlorobi	7.009	7.649	160.3E6	725.3E6	27.601M4	27.965M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	55.20%	55.93%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D.	N.D.
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-50.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:58
Operator : PEST18:akm
Sample : L2467934-06,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:25 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

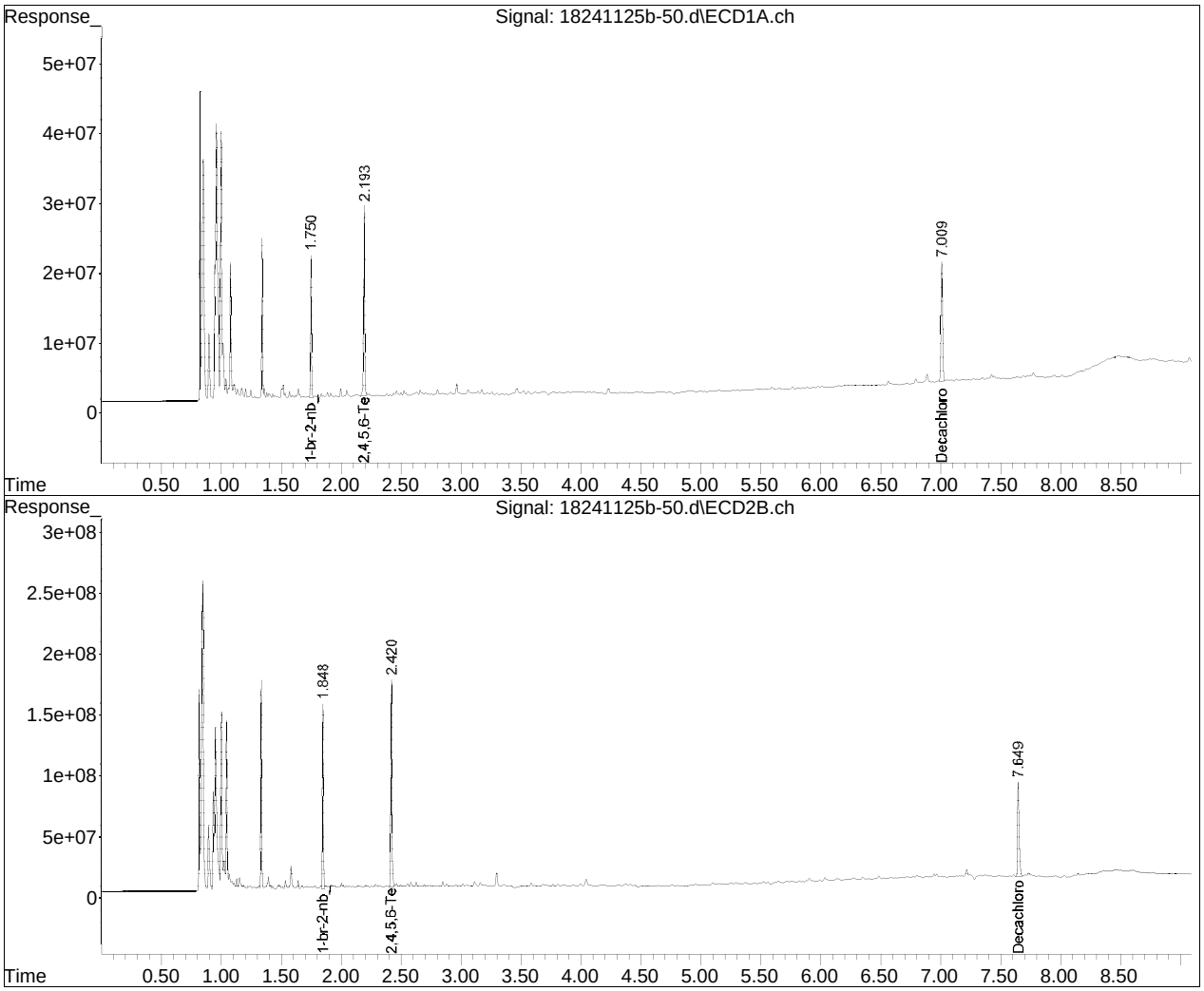
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-50.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:58
Operator : PEST18:akm
Sample : L2467934-06,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:25 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

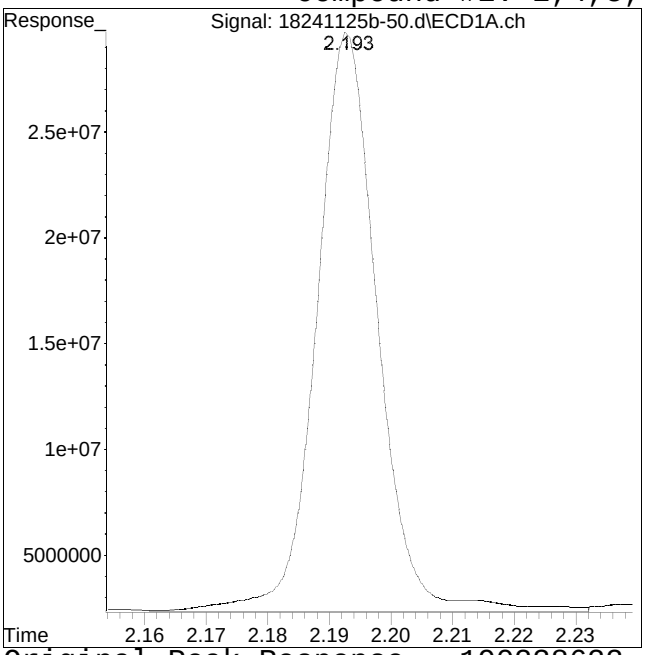
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



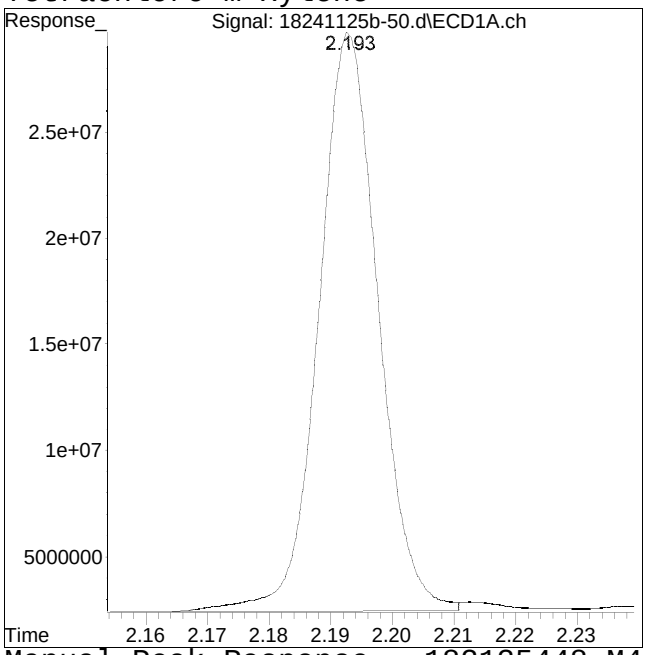
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-50.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:58 Instrument : Pest 18
Sample : L2467934-06,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 190238622



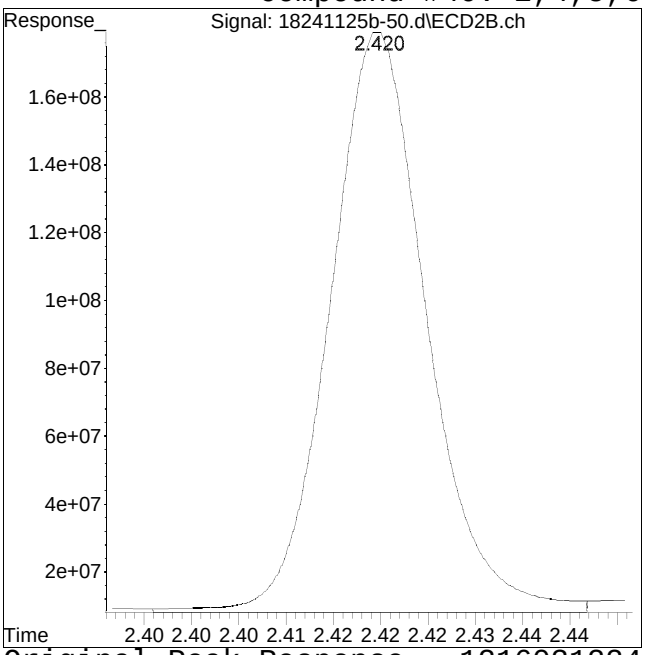
Manual Peak Response = 182135448 M4

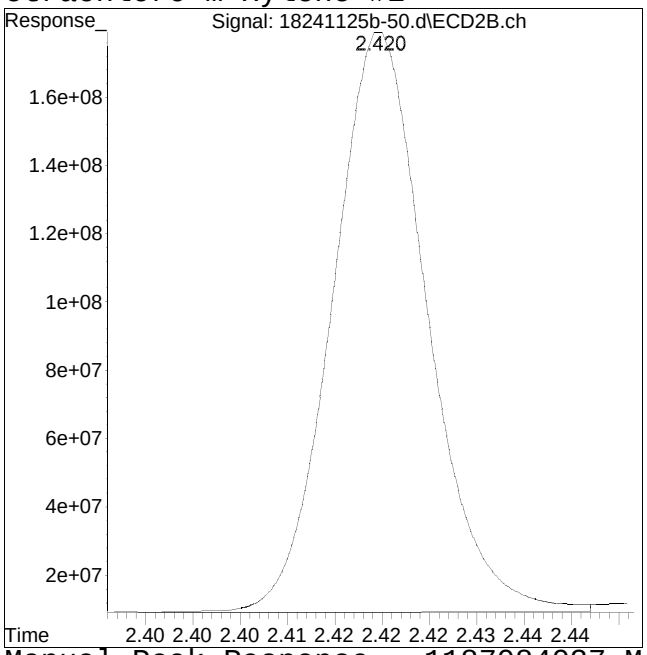
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-50.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:58 Instrument : Pest 18
Sample : L2467934-06,42,, Quant Date : 11/26/2024 7:38 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



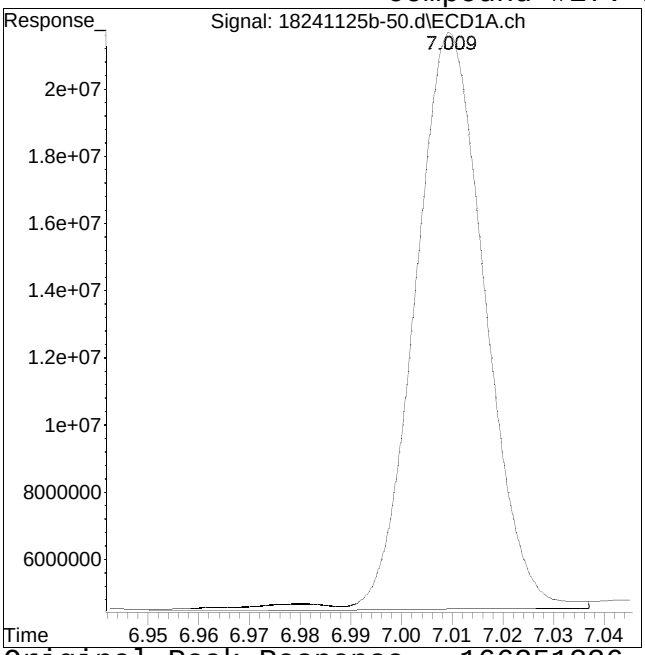


Original Peak Response = 1216031224 Manual Peak Response = 1187084037 M4
M4 = Poor automated baseline construction.

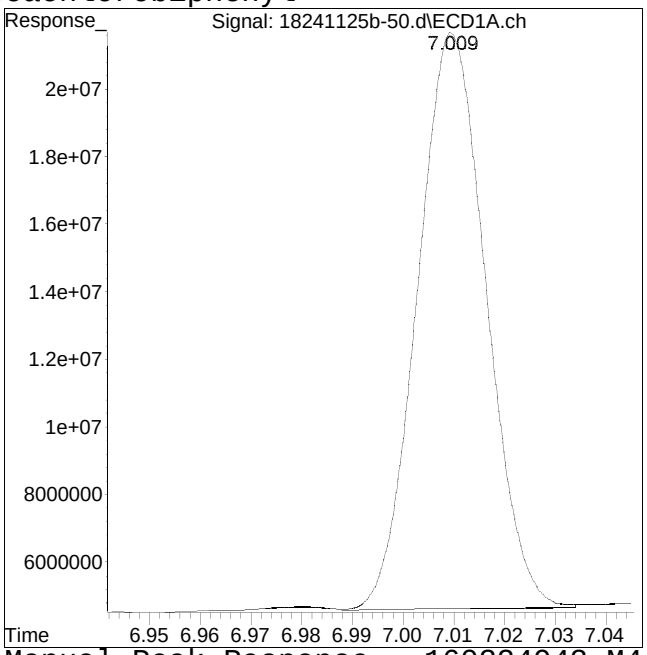
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-50.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:58 Instrument : Pest 18
Sample : L2467934-06,42,, Quant Date : 11/26/2024 7:38 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 166251236



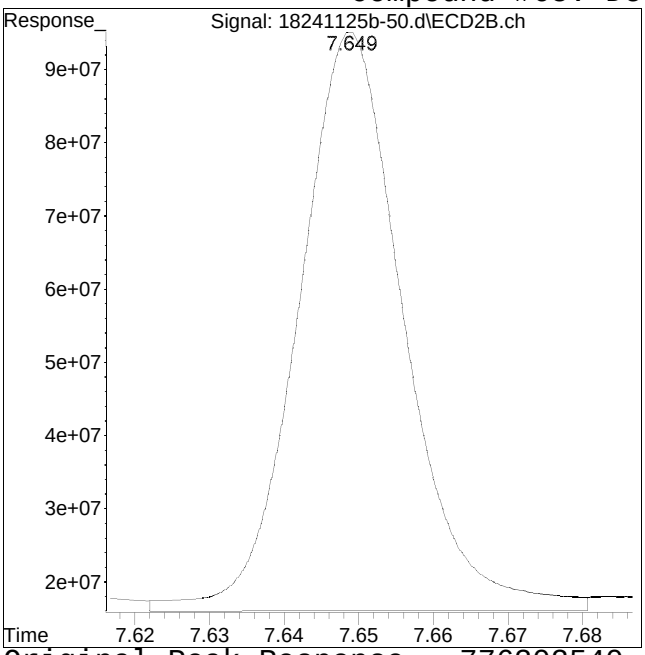
Manual Peak Response = 160324943 M4

M4 = Poor automated baseline construction.

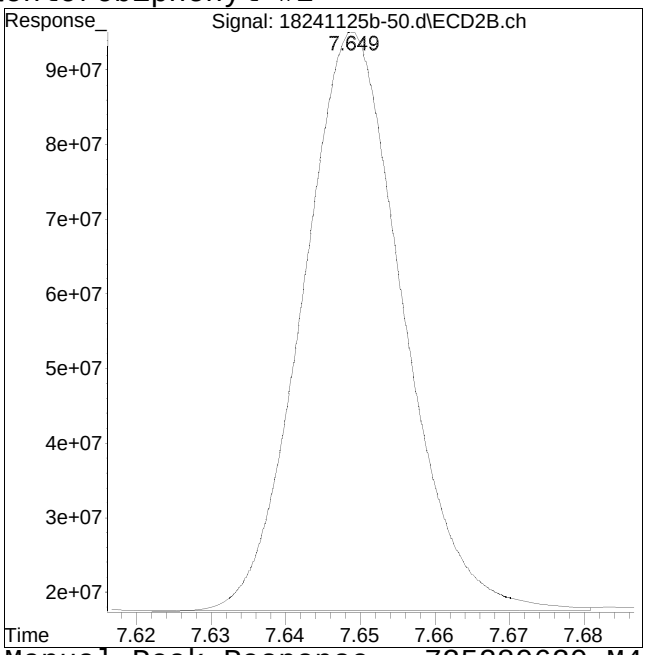
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-50.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:58 Instrument : Pest 18
Sample : L2467934-06,42,, Quant Date : 11/26/2024 7:38 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 776302540



Manual Peak Response = 725280620 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-51.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:11
Operator : PEST18:akm
Sample : L2467934-07,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:27 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.752	1.849	109.7E6	778.1E6	25.000	25.000
	Standard Area 1 : #1 = 98702682				Recovery = 111.17%		
	Standard Area 1 : #2 = 692996124				Recovery = 112.28%		
28) i	1-br-2-nb_Ch	1.752	1.849	109.7E6	778.1E6	25.000	25.000
33) i	1-br-2-nb_To	1.752	1.849	109.7E6	778.1E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.194	2.420	184.0E6	1167.0E6	32.719	35.111
	Spiked Amount 50.000	Range 30 - 150			Recovery = 65.44%		70.22%
27) s	Decachlorobi	7.009	7.649	172.2E6	768.7E6	31.224	31.705
	Spiked Amount 50.000	Range 30 - 150			Recovery = 62.45%		63.41%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-51.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:11
Operator : PEST18:akm
Sample : L2467934-07,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:27 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

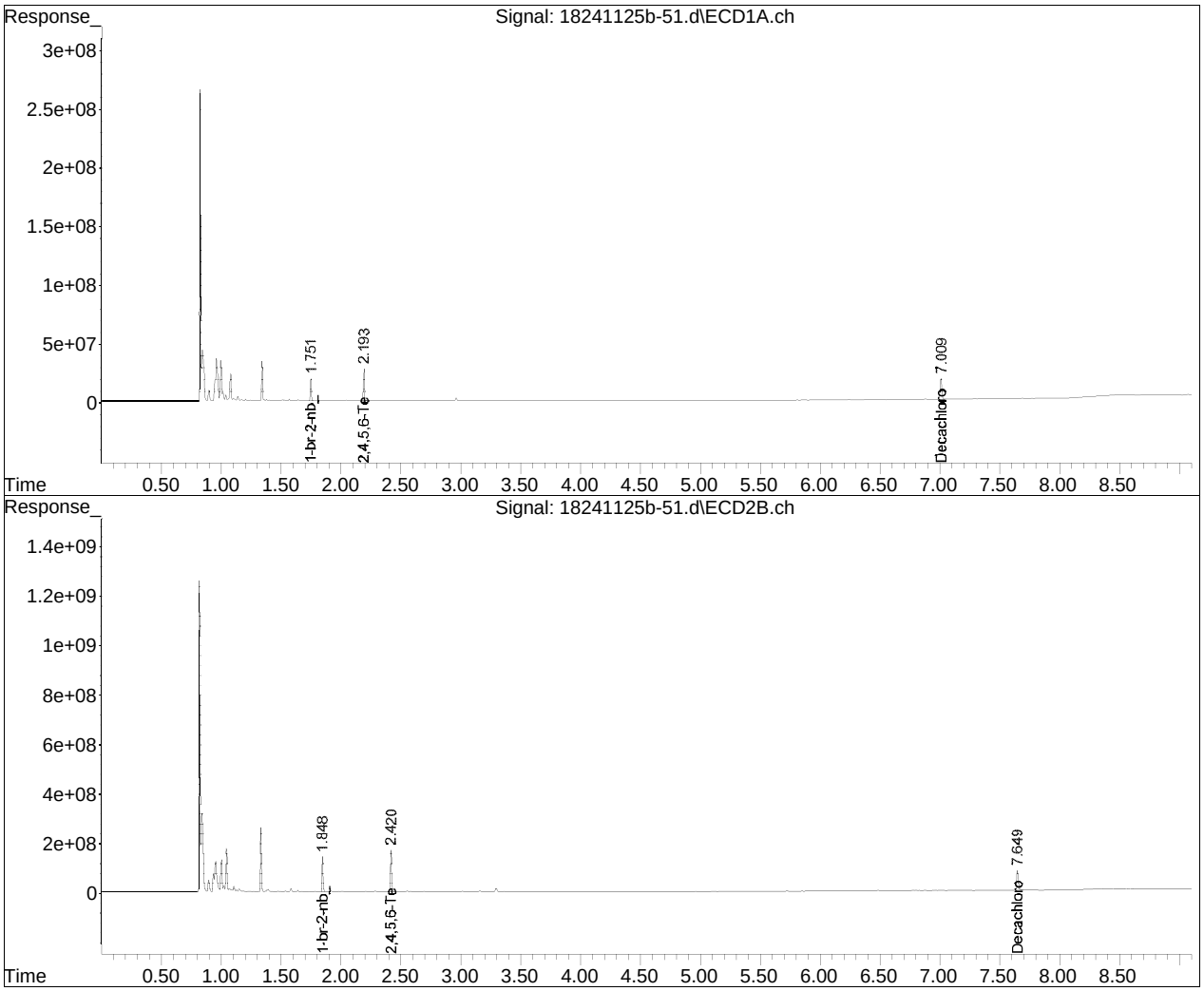
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-51.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:11
Operator : PEST18:akm
Sample : L2467934-07,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:27 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125	QMethod	: pest18_2024_11_01_ugL_IC
Data File	: 18241125b-51.d	Operator	: PEST18:akm
Date Inj'd	: 11/26/2024 5:11	Instrument	: Pest 18
Sample	: L2467934-07,42,,	Quant Date	: 11/26/2024 7:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-52.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:23
Operator : PEST18:akm
Sample : L2467934-08,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:29 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.751	1.848	112.9E6	790.2E6	25.000	25.000M3
	Standard Area 1 : #1 = 98702682				Recovery = 114.41%		
	Standard Area 1 : #2 = 692996124				Recovery = 114.03%		
28) i	1-br-2-nb_Ch	1.751	1.848	112.9E6	790.2E6	25.000	25.000M3
33) i	1-br-2-nb_To	1.751	1.848	112.9E6	790.2E6	25.000	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.193	2.420	177.3E6	1143.9E6	30.644M3	33.888
	Spiked Amount 50.000	Range 30 - 150			Recovery = 61.29%		67.78%
27) s	Decachlorobi	7.010	7.650	174.1E6	727.6E6	30.642	29.481
	Spiked Amount 50.000	Range 30 - 150			Recovery = 61.28%		58.96%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D.	N.D.
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-52.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:23
Operator : PEST18:akm
Sample : L2467934-08,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:29 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D.	N.D.
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D.	N.D.
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

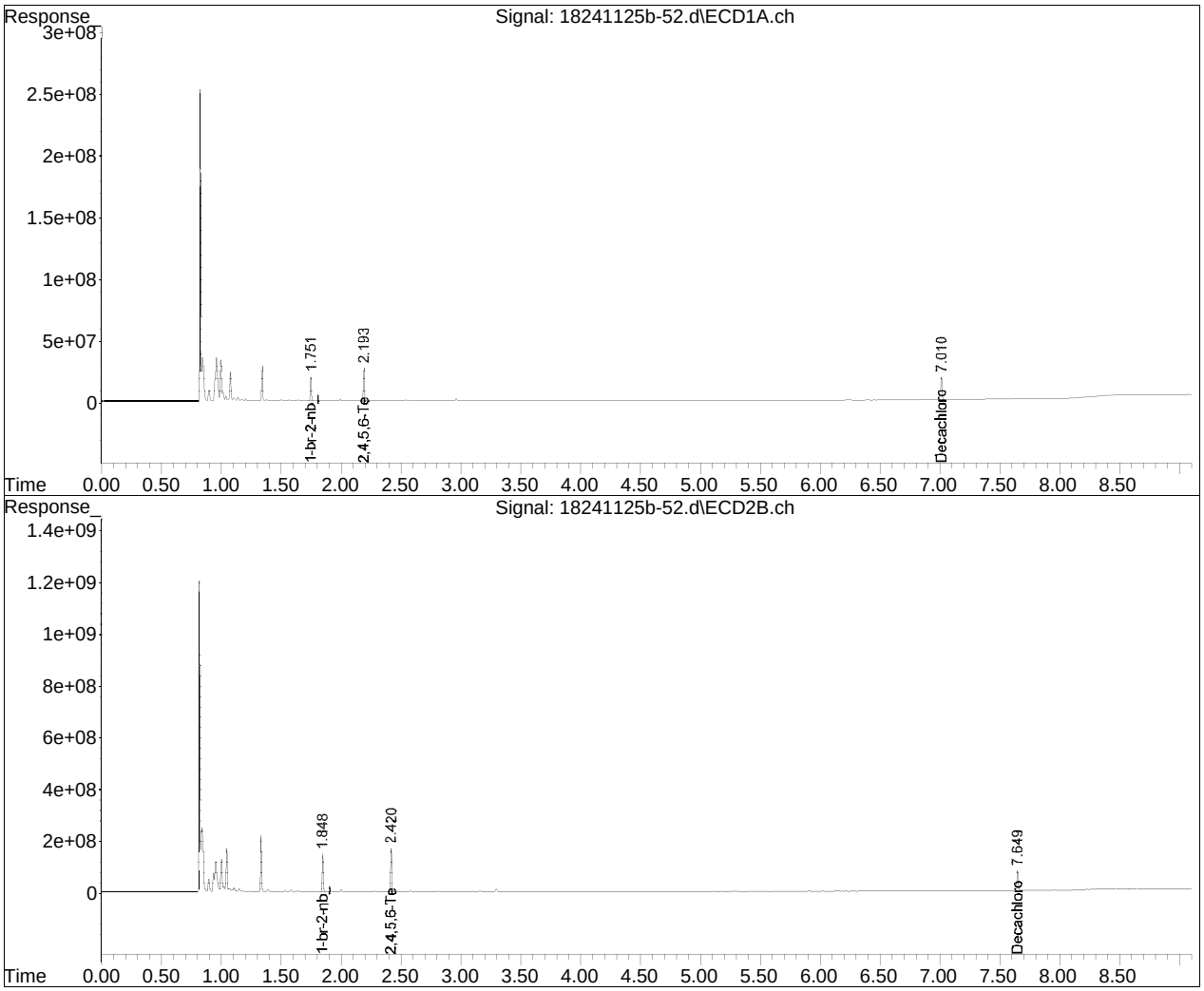
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-52.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:23
Operator : PEST18:akm
Sample : L2467934-08,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:29 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

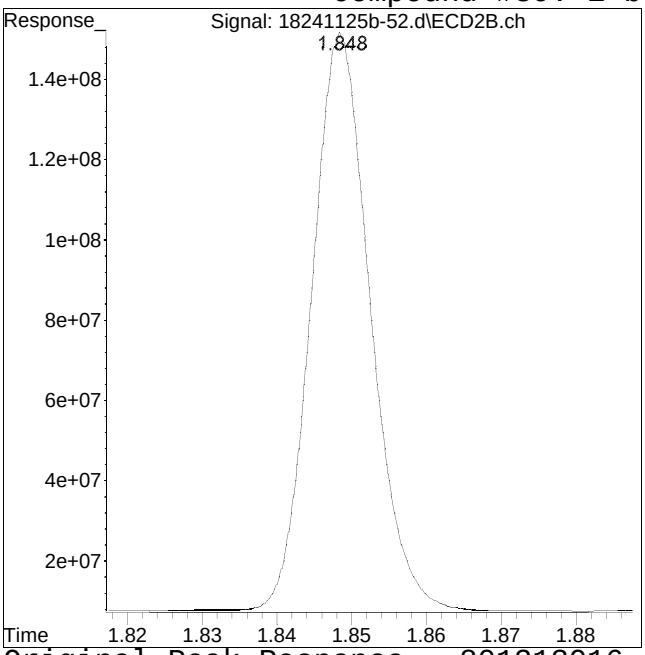
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

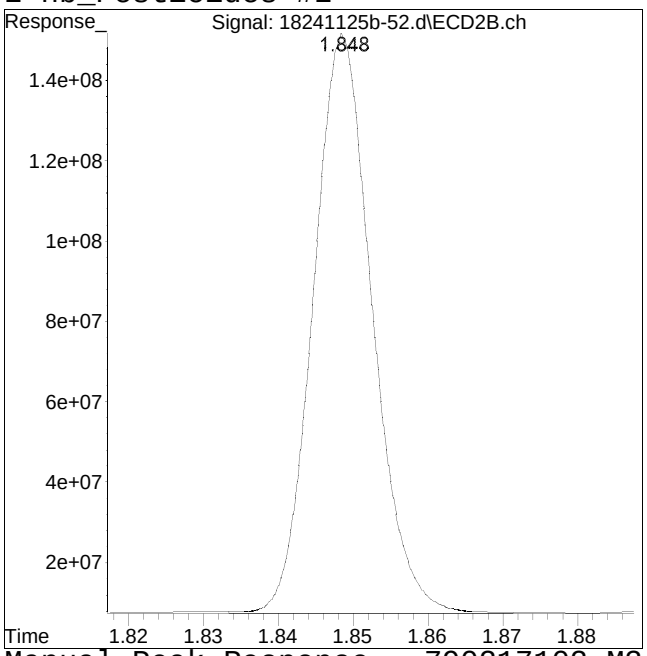


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-52.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:23 Instrument : Pest 18
Sample : L2467934-08,42,, Quant Date : 11/26/2024 7:38 am

Compound #39: 1-br-2-nb_Pesticides #2



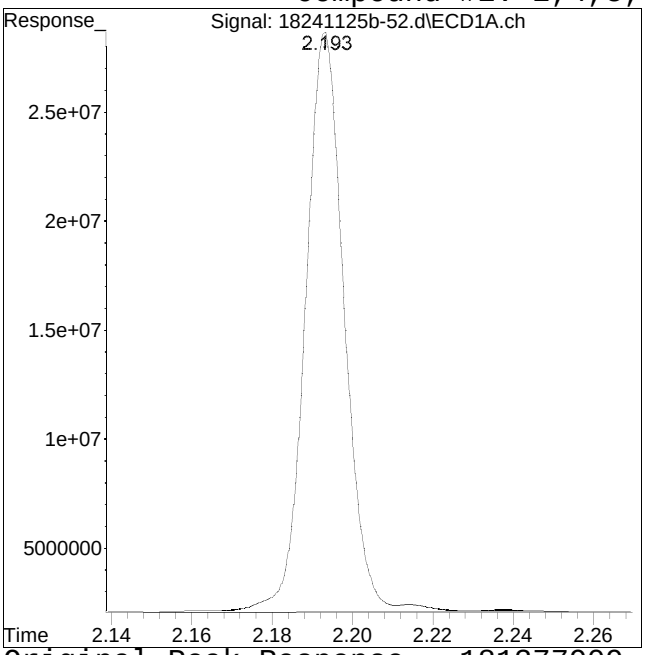


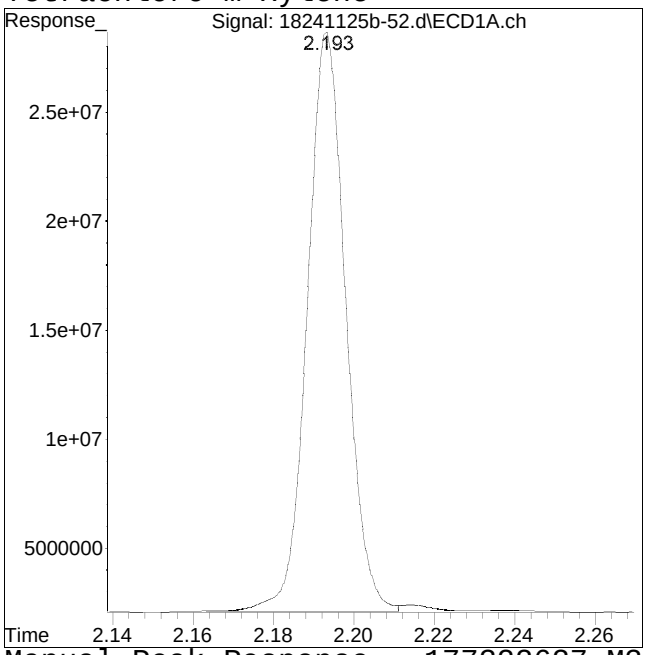
Original Peak Response = 801313916 Manual Peak Response = 790217102 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-52.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:23 Instrument : Pest 18
Sample : L2467934-08,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



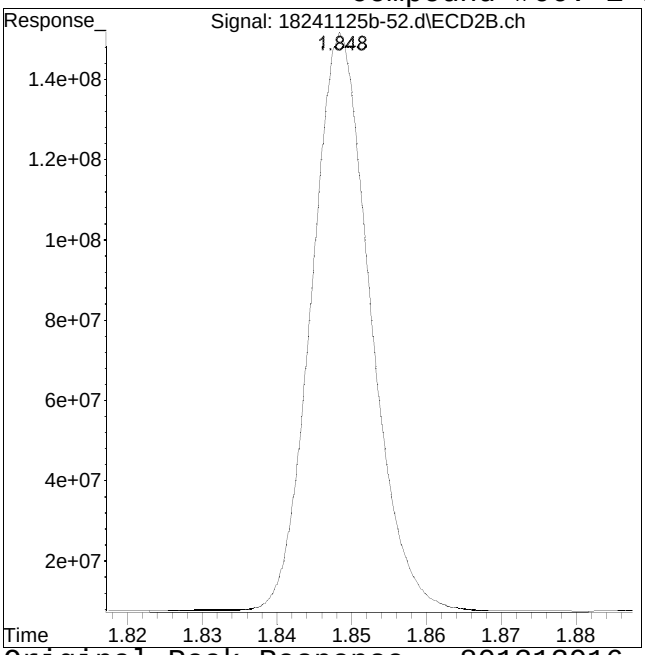


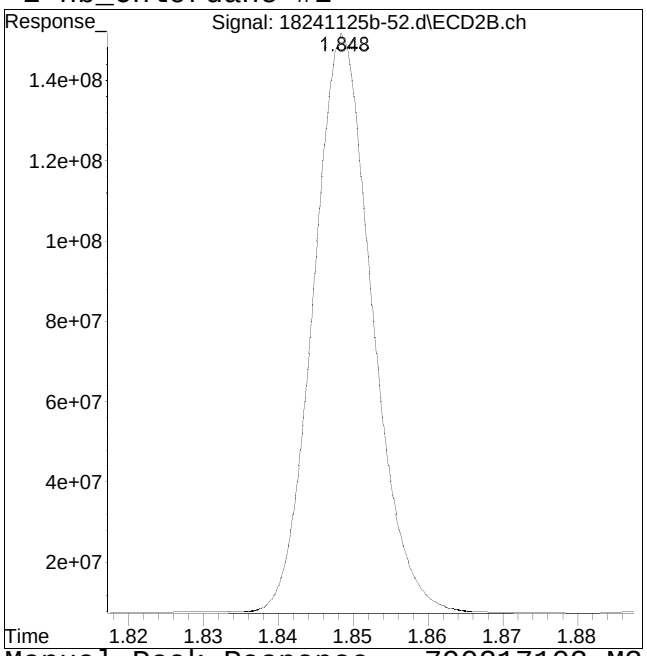
Original Peak Response = 181377909 Manual Peak Response = 177322627 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-52.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:23 Instrument : Pest 18
Sample : L2467934-08,42,, Quant Date : 11/26/2024 7:38 am

Compound #66: 1-br-2-nb_Chlordane #2



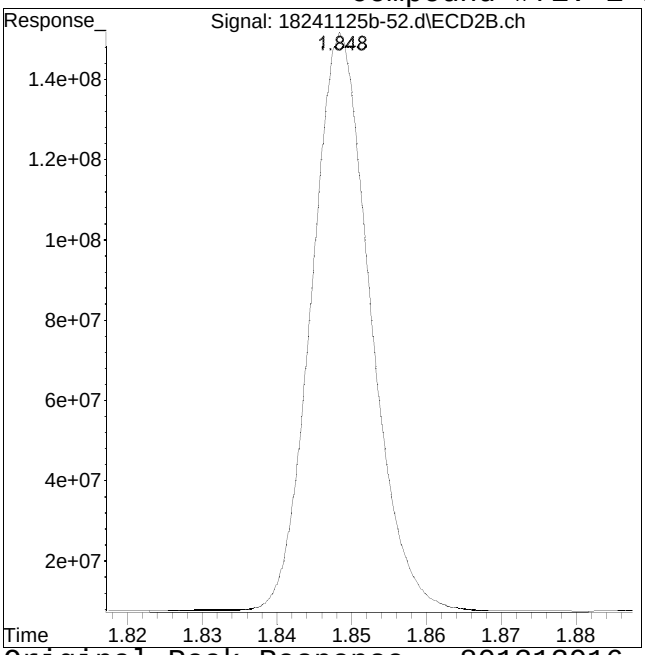


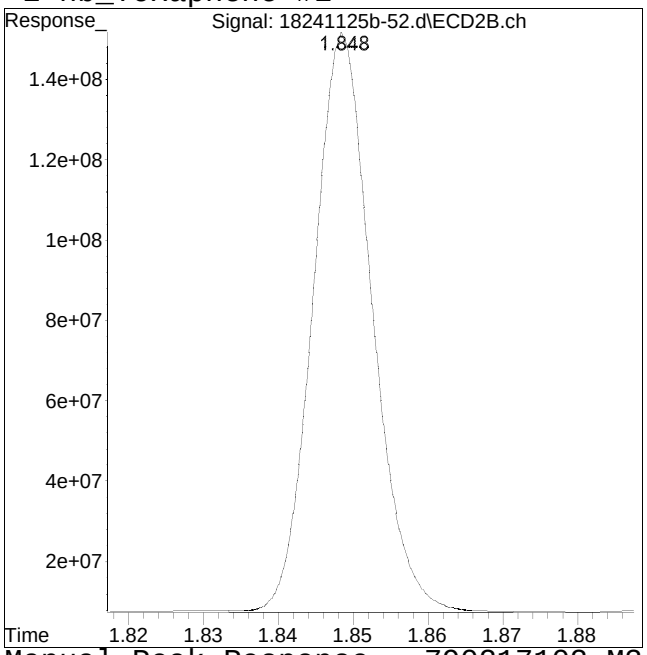
Original Peak Response = 801313916 Manual Peak Response = 790217102 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-52.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:23 Instrument : Pest 18
Sample : L2467934-08,42,, Quant Date : 11/26/2024 7:38 am

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 801313916 Manual Peak Response = 790217102 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\Pest18\2024\241125b\
Data File : 18241125b-53.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:35
Operator : PEST18:akm
Sample : L2467934-09,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:31 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.752	1.850	104.7E6	736.9E6	25.000	25.000M3
	Standard Area 1 : #1 = 98702682				Recovery = 106.11%		
	Standard Area 1 : #2 = 692996124				Recovery = 106.34%		
28) i	1-br-2-nb_Ch	1.752	1.850	104.7E6	736.9E6	25.000	25.000M3
33) i	1-br-2-nb_To	1.752	1.850	104.7E6	736.9E6	25.000	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.194	2.422	188.3E6	1199.9E6	35.088M3	38.117
	Spiked Amount 50.000	Range 30 - 150			Recovery = 70.18%		76.23%
27) s	Decachlorobi	7.009	7.649	186.4E6	792.5E6	35.566	34.602
	Spiked Amount 50.000	Range 30 - 150			Recovery = 71.13%		69.20%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-53.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:35
Operator : PEST18:akm
Sample : L2467934-09,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:31 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D.	N.D.
26)	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D.	N.D.
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

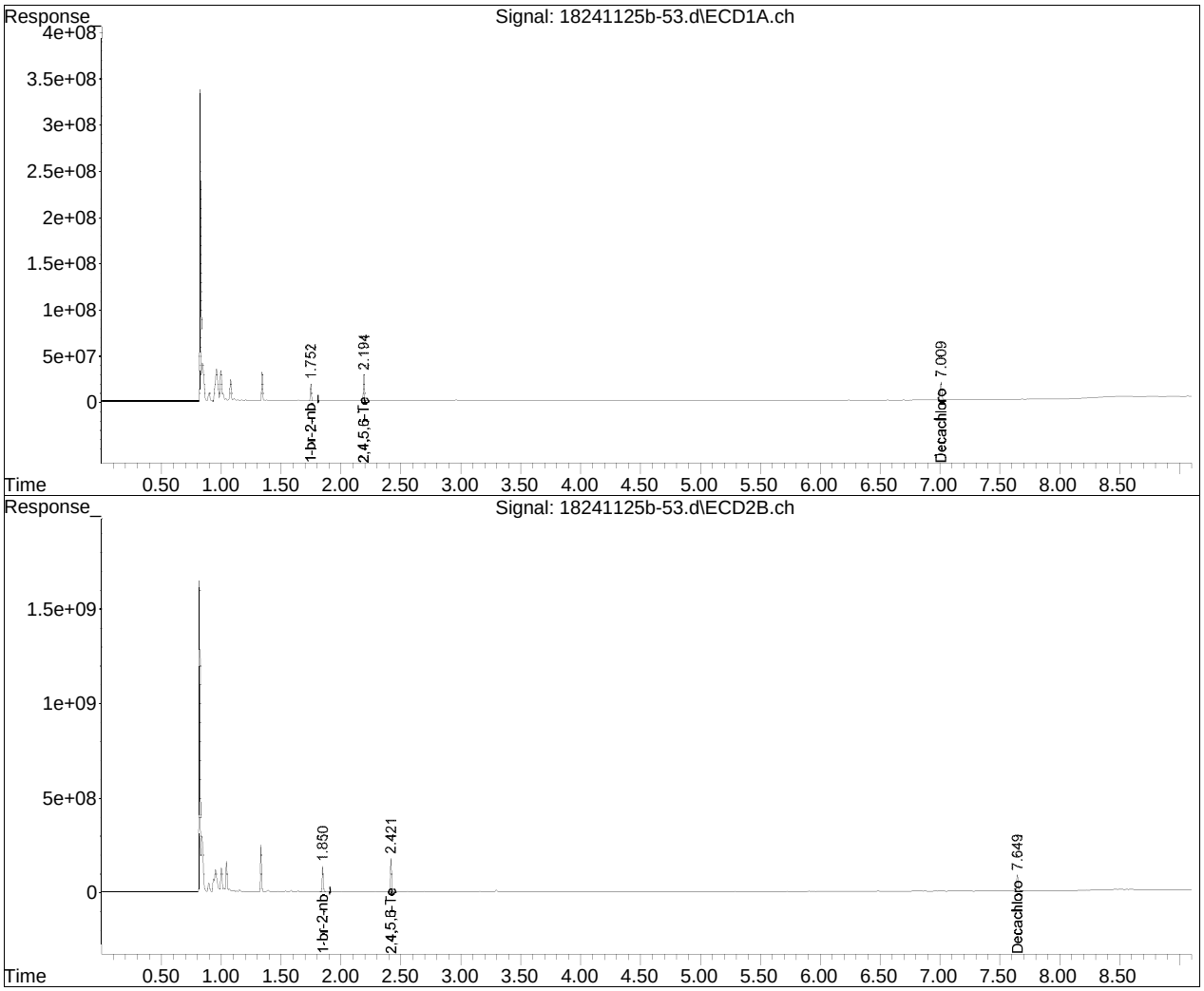
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-53.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:35
Operator : PEST18:akm
Sample : L2467934-09,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:31 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

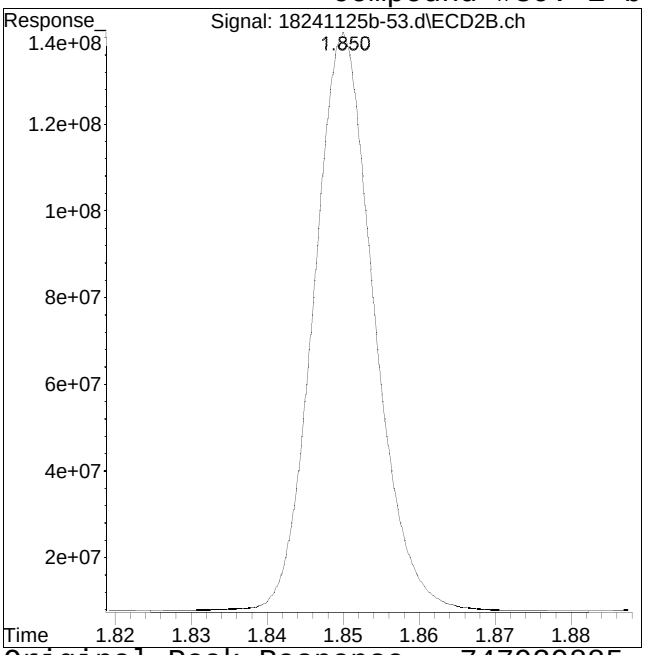
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

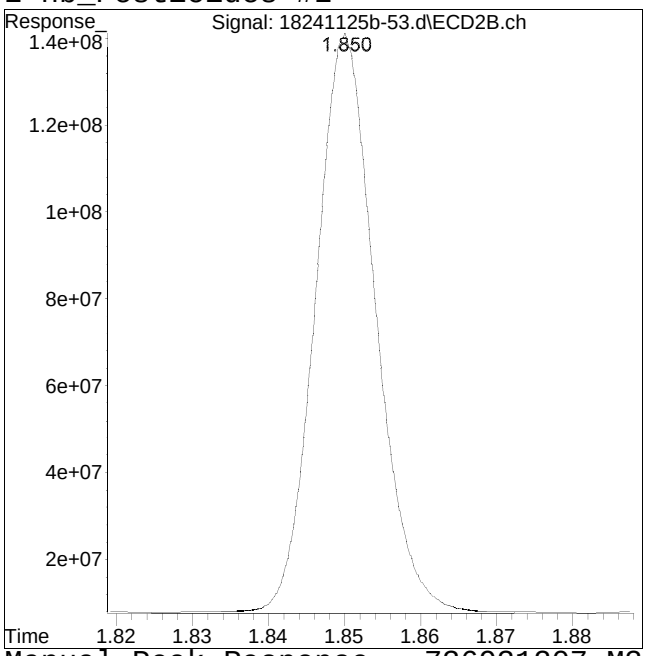


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-53.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:35 Instrument : Pest 18
Sample : L2467934-09,42,, Quant Date : 11/26/2024 7:38 am

Compound #39: 1-br-2-nb_Pesticides #2



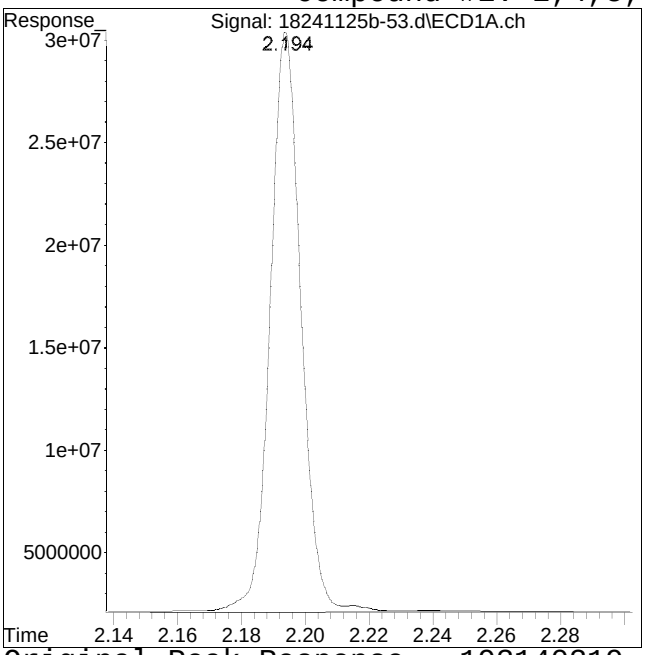


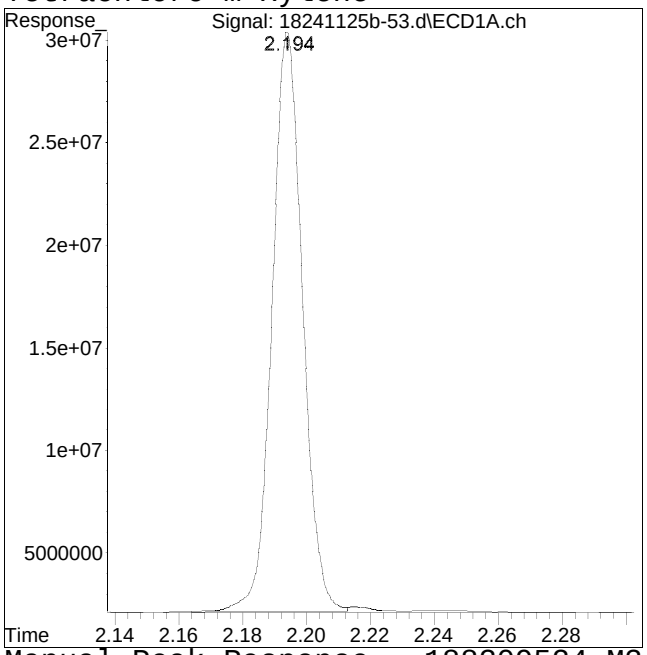
Original Peak Response = 747939885 Manual Peak Response = 736931207 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-53.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:35 Instrument : Pest 18
Sample : L2467934-09,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



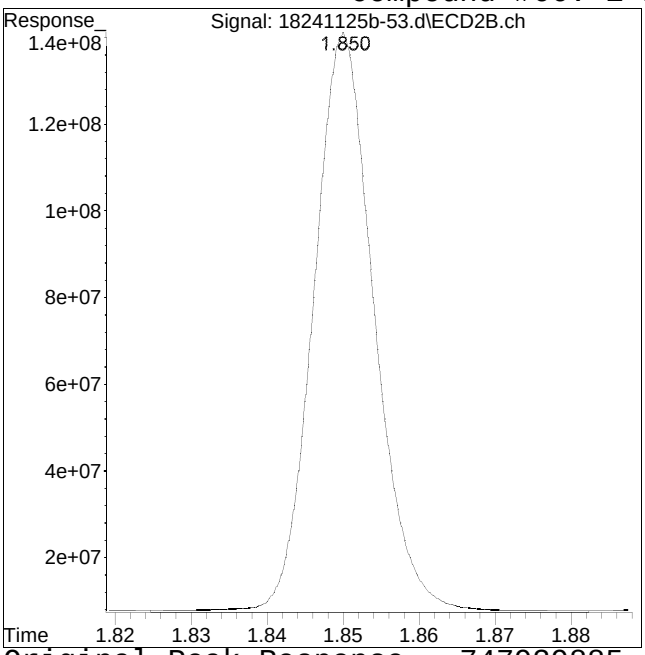


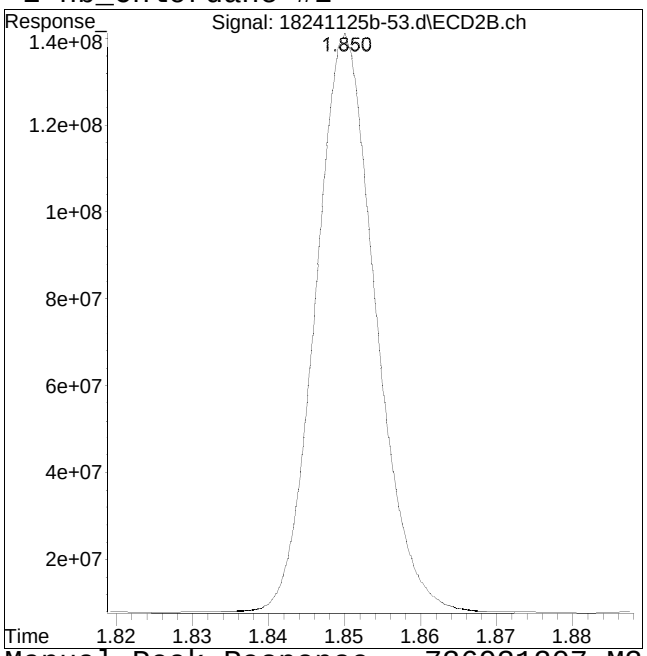
Original Peak Response = 193140319 Manual Peak Response = 188309524 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-53.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:35 Instrument : Pest 18
Sample : L2467934-09,42,, Quant Date : 11/26/2024 7:38 am

Compound #66: 1-br-2-nb_Chlordane #2



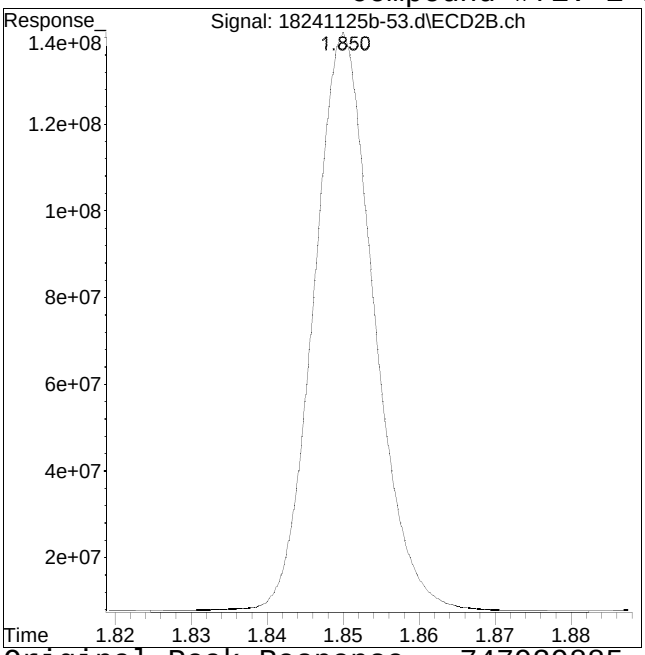


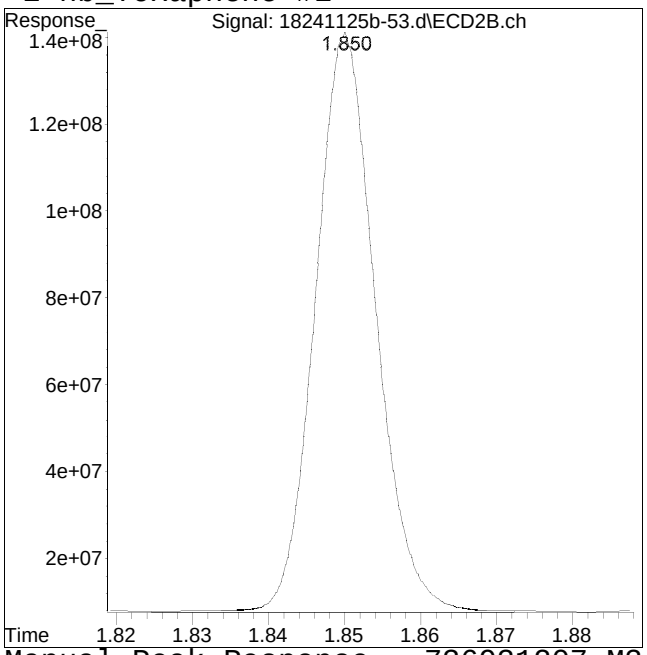
Original Peak Response = 747939885 Manual Peak Response = 736931207 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-53.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:35 Instrument : Pest 18
Sample : L2467934-09,42,, Quant Date : 11/26/2024 7:38 am

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 747939885 Manual Peak Response = 736931207 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\Pest18\2024\241125b\
Data File : 18241125b-54.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:47
Operator : PEST18:akm
Sample : L2467934-10,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:34 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.751	1.848	107.6E6	736.6E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 98702682				Recovery = 108.97%		
	Standard Area 1 : #2 = 692996124				Recovery = 106.29%		
28) i	1-br-2-nb_Ch	1.751	1.848	107.6E6	736.6E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.751	1.848	107.6E6	736.6E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.193	2.420	182.9E6	1071.1E6	33.190M3	34.044
	Spiked Amount 50.000		Range 30 - 150		Recovery = 66.38%		68.09%
27) s	Decachlorobi	7.011	7.650	180.1E6	753.9E6	33.392	32.884
	Spiked Amount 50.000		Range 30 - 150		Recovery = 66.78%		65.77%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-54.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:47
Operator : PEST18:akm
Sample : L2467934-10,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:34 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
25)	Endosulfan S	0.000	0.000	0	0	N.D.	N.D.
26)	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D.	N.D.
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

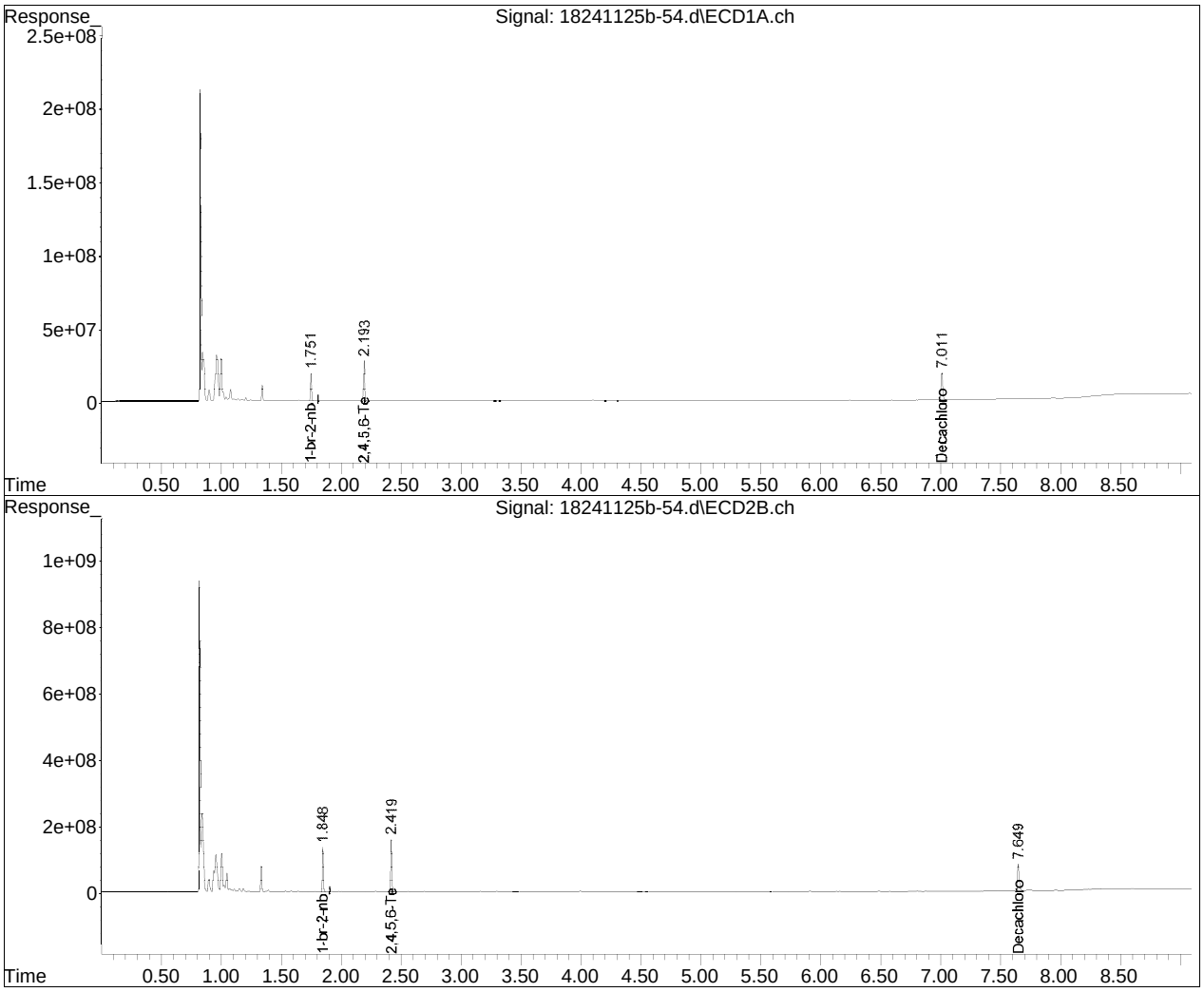
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-54.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 5:47
Operator : PEST18:akm
Sample : L2467934-10,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:34 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

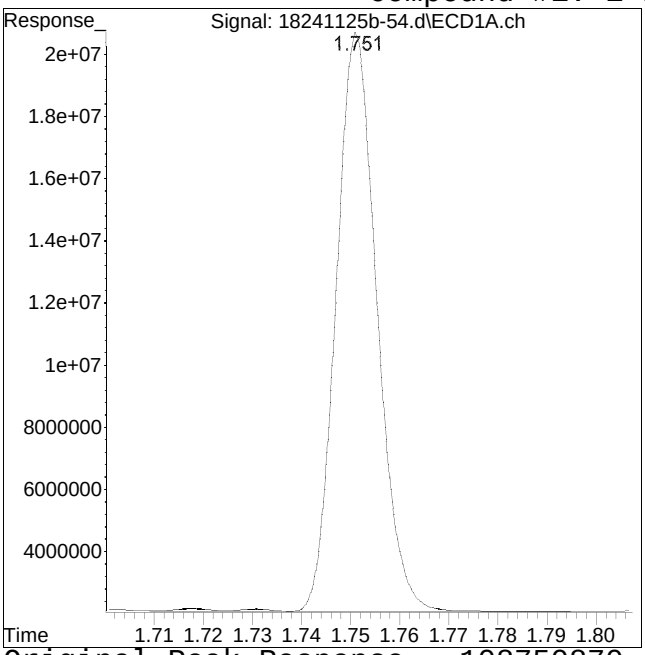
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

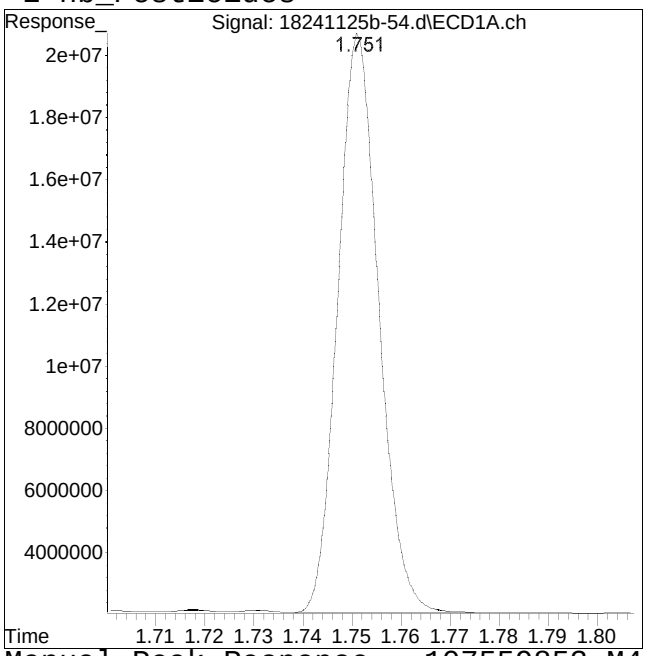


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-54.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:47 Instrument : Pest 18
Sample : L2467934-10,42,, Quant Date : 11/26/2024 7:38 am

Compound #1: 1-br-2-nb_Pesticides



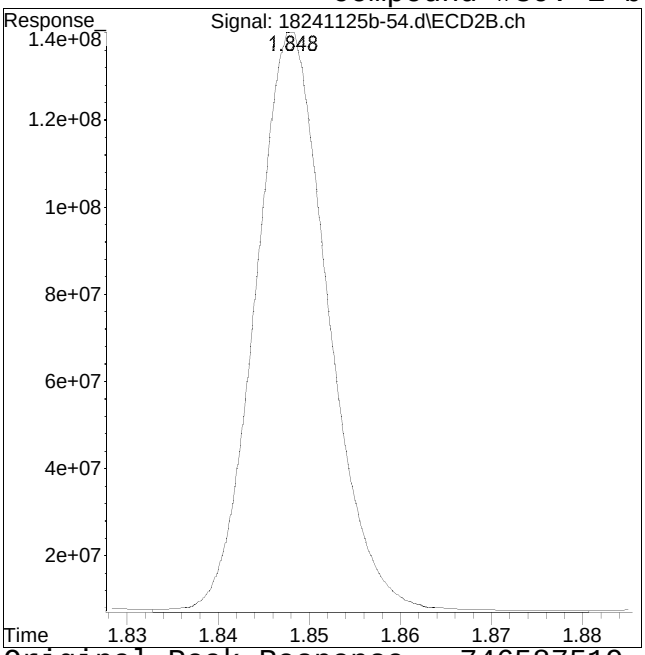


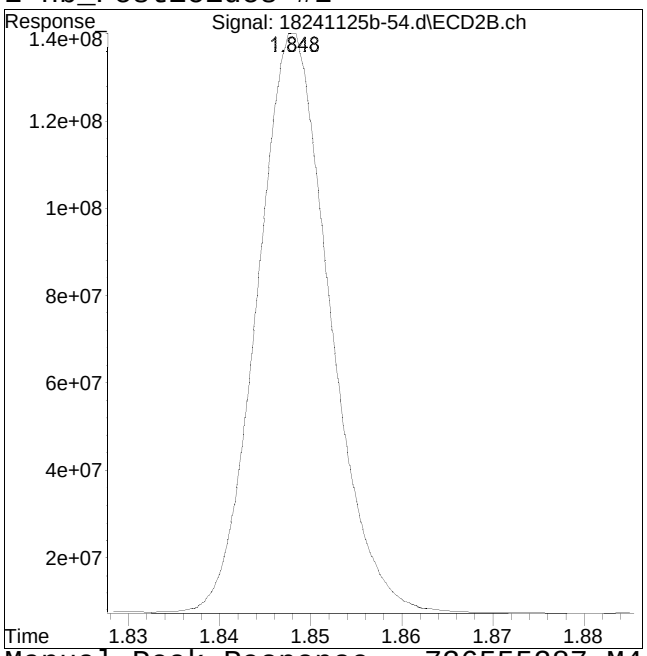
Original Peak Response = 108750870 Manual Peak Response = 107559853 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-54.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:47 Instrument : Pest 18
Sample : L2467934-10,42,, Quant Date : 11/26/2024 7:38 am

Compound #39: 1-br-2-nb_Pesticides #2



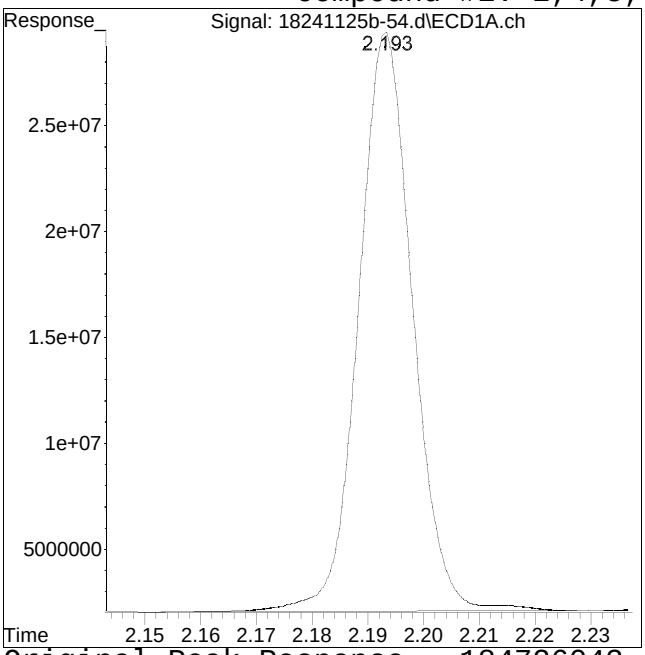


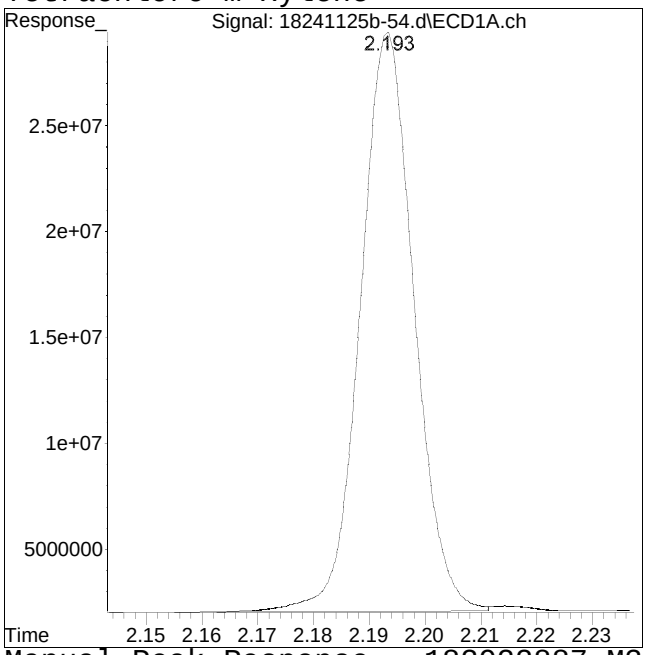
Original Peak Response = 746587519 Manual Peak Response = 736555287 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-54.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:47 Instrument : Pest 18
Sample : L2467934-10,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



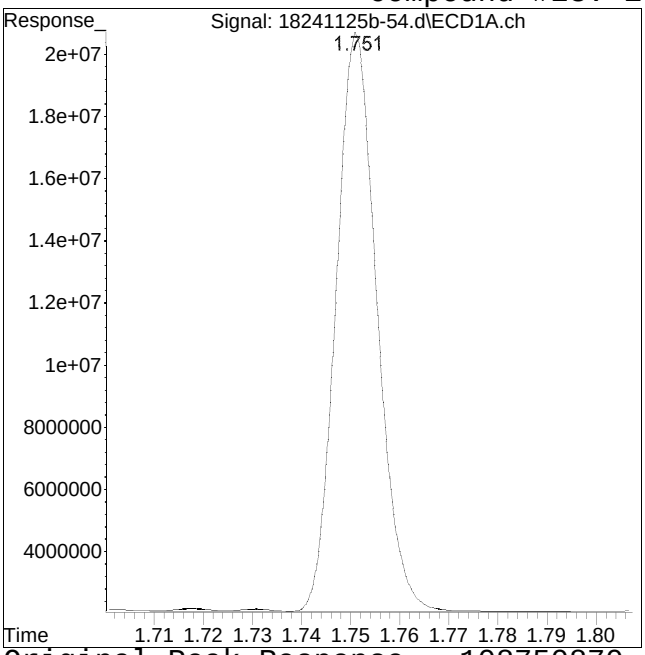


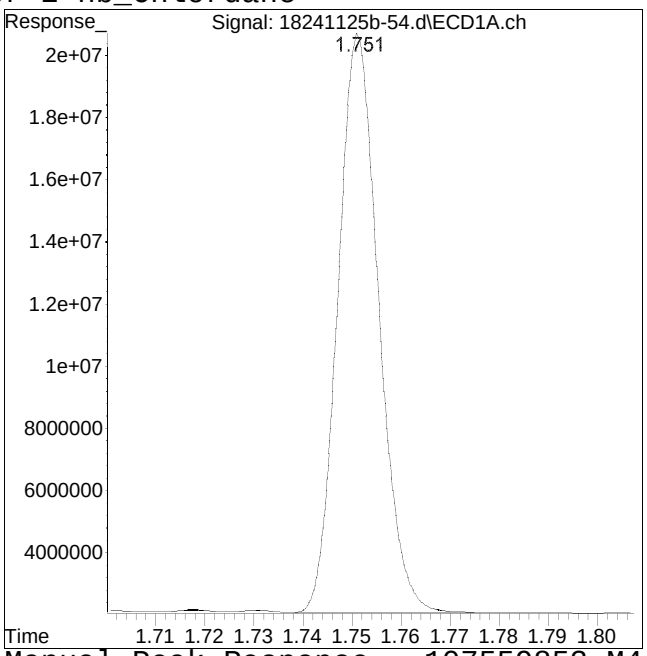
Original Peak Response = 184726043 Manual Peak Response = 182922887 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-54.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:47 Instrument : Pest 18
Sample : L2467934-10,42,, Quant Date : 11/26/2024 7:38 am

Compound #28: 1-br-2-nb_Chlordane



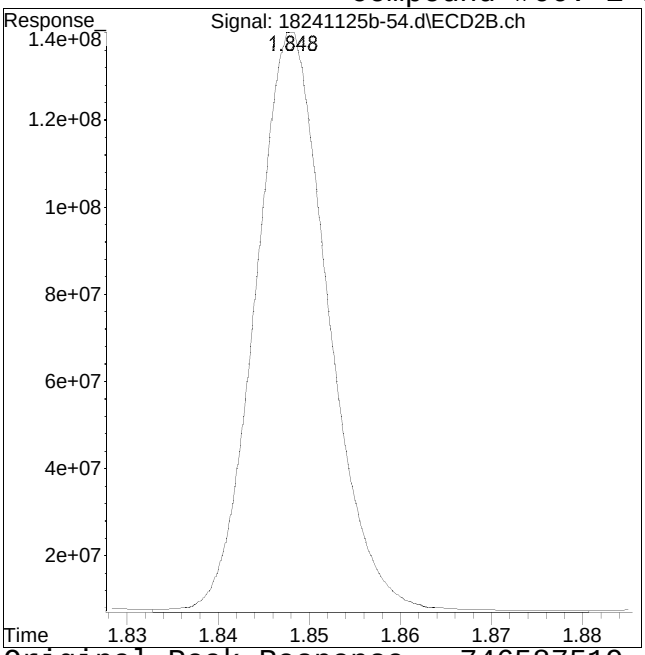


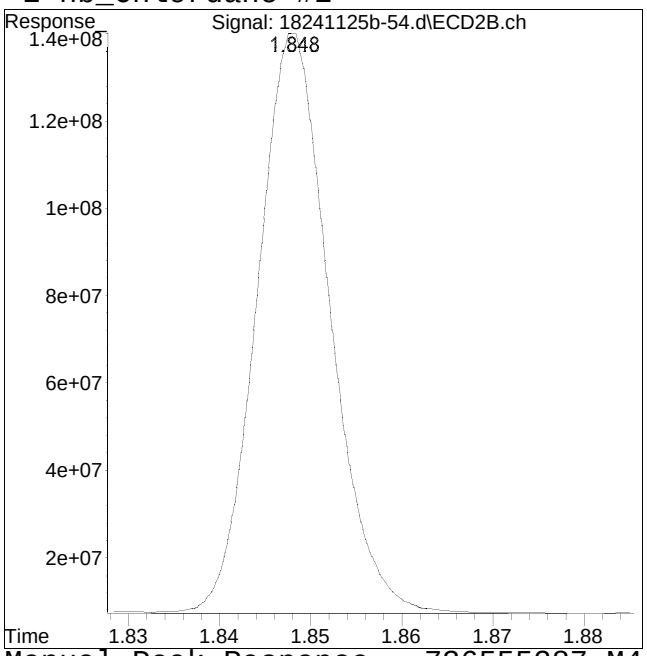
Original Peak Response = 108750870 Manual Peak Response = 107559853 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-54.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:47 Instrument : Pest 18
Sample : L2467934-10,42,, Quant Date : 11/26/2024 7:38 am

Compound #66: 1-br-2-nb_Chlordane #2



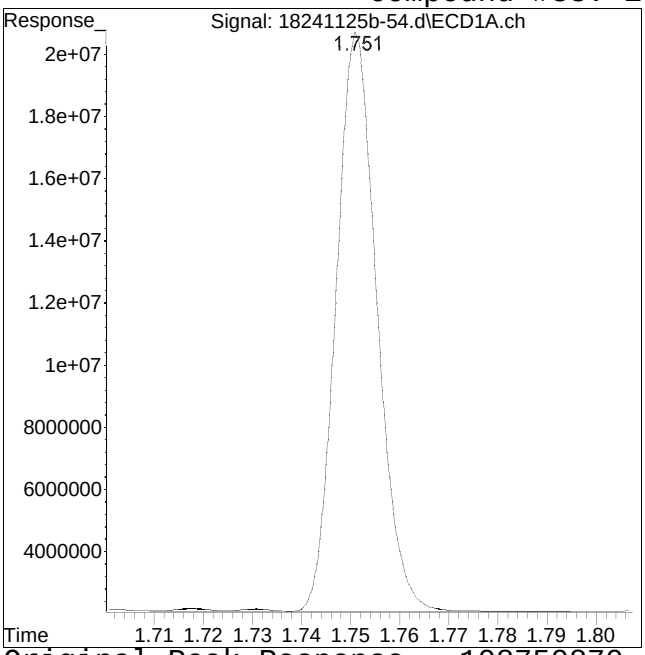


Original Peak Response = 746587519 Manual Peak Response = 736555287 M4
M4 = Poor automated baseline construction.

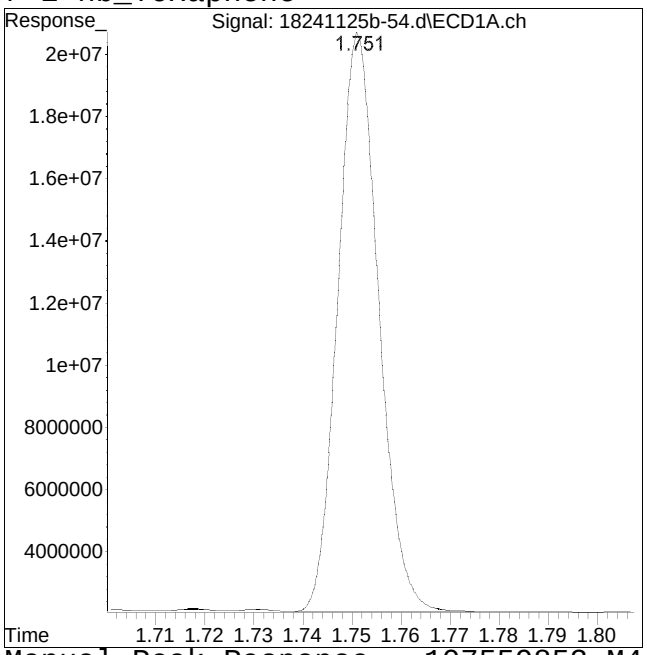
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-54.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:47 Instrument : Pest 18
Sample : L2467934-10,42,, Quant Date : 11/26/2024 7:38 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 108750870



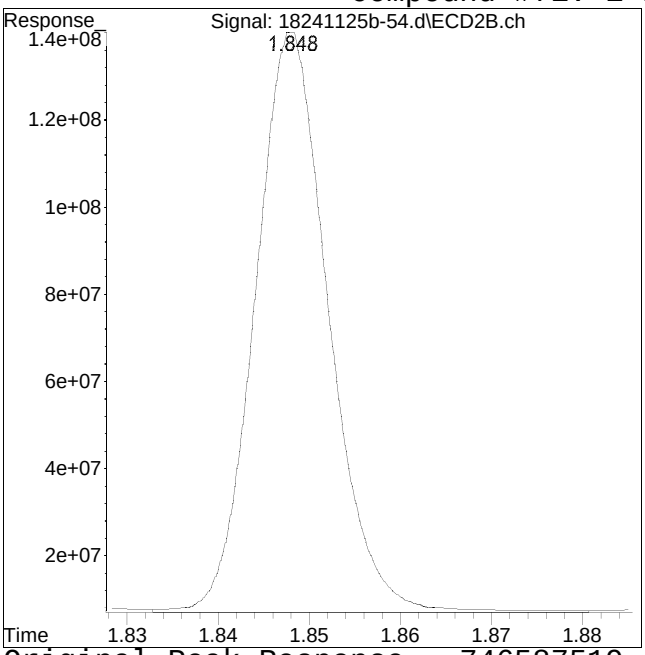
Manual Peak Response = 107559853 M4

M4 = Poor automated baseline construction.

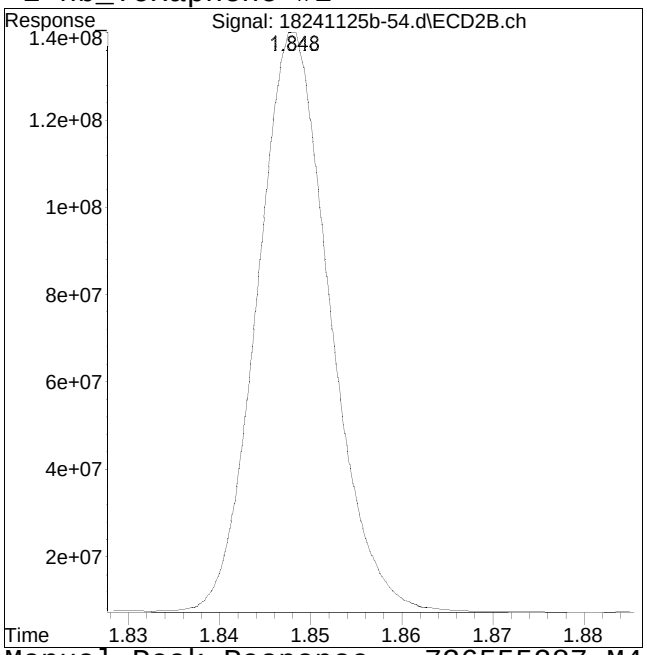
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-54.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 5:47 Instrument : Pest 18
Sample : L2467934-10,42,, Quant Date : 11/26/2024 7:38 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 746587519



Manual Peak Response = 736555287 M4

M4 = Poor automated baseline construction.

Pesticides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL21663**
Calibration dates	**: 11/04/24 17:40 11/04/24 22:30**		

Calibration Files

1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d

7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetrachloro-m-xylene			1.473	1.414	1.370	1.371	1.293	1.222	1.180	1.135	1.070	1.281	10.69
3)		Hexachlorobenzene			1.728	1.646	1.580	1.558	1.422	1.270	1.215	1.169	1.106	1.410	16.17
4)		alpha-BHC			1.643	1.628	1.590	1.593	1.563	1.583	1.556	1.529	1.469	1.573	3.32
5)		gamma-BHC (li		2.344	1.590	1.533	1.515	1.504	1.449	1.426	1.403	1.379	1.336	*L	0.999
5)															
6)		beta-BHC			0.911	0.891	0.846	0.829	0.751	0.675	0.656	0.640	0.615	0.757	15.20
7)		delta-BHC			1.576	1.490	1.457	1.453	1.400	1.437	1.433	1.414	1.373	1.448	4.06
8)		Heptachlor			1.644	1.616	1.512	1.500	1.409	1.351	1.320	1.284	1.222	1.429	10.37
9)		Aldrin			1.558	1.533	1.454	1.437	1.384	1.383	1.376	1.353	1.288	1.418	6.09
10)		Alachlor			0.265	0.253	0.239	0.236	0.224	0.197	0.183	0.175	0.161	0.215	17.17
11)		Chlorpyrifos				0.868	0.844	0.818	0.721	0.614	0.579	0.552		0.714	18.59
12)		Heptachlor Ep			1.562	1.513	1.452	1.435	1.332	1.293	1.264	1.241	1.181	1.364	9.67
13)		gamma-Chlorda			1.657	1.535	1.420	1.358	1.261	1.200	1.182	1.171	1.122	1.323	13.88
14)		alpha-Chlorda			1.691	1.626	1.568	1.528	1.415	1.365	1.347	1.333	1.281	1.462	9.96
15)		4,4'-DDE			1.528	1.482	1.457	1.431	1.366	1.396	1.399	1.392	1.325	1.420	4.37
16)		Endosulfan I			1.504	1.452	1.407	1.374	1.285	1.240	1.226	1.210	1.148	1.316	9.30
17)		Dieldrin		1.600	1.536	1.457	1.406	1.329	1.303	1.301	1.298	1.242	1.386	8.84	
18)		Endrin		1.530	1.454	1.436	1.412	1.336	1.314	1.311	1.299	1.235	1.370	6.83	
19)		4,4'-DDD		1.204	1.163	1.156	1.128	1.085	1.082	1.088	1.092	1.049	1.116	4.44	
20)		Endosulfan II		1.364	1.288	1.276	1.239	1.175	1.140	1.135	1.125	1.070	1.201	7.93	
21)		4,4'-DDT		1.323	1.295	1.253	1.218	1.156	1.143	1.137	1.140	1.083	1.194	6.85	
22)		Endrin Aldehyde		1.139	1.138	1.105	1.072	1.025	0.992	0.997	0.990	0.935	*L	0.999	
1)															
23)		Methoxychlor		0.822	0.816	0.804	0.774	0.714	0.638	0.611	0.588	0.545	0.701	15.40	
24)		Mirex			1.379	1.348	1.294	1.163	1.038	0.995	0.974		1.170	14.69	
25)		Endosulfan Su		1.295	1.304	1.274	1.234	1.137	1.087	1.073	1.046	0.994	1.161	10.16	
26)		Endrin Ketone		1.546	1.501	1.442	1.429	1.343	1.273	1.240	1.208	1.137	1.347	10.47	
27)	s	Decachlorobip			1.762	1.679	1.639	1.459	1.291	1.238	1.193		*L	0.999	
1)															
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.111	0.105	0.088	0.080	0.079	0.075			*L	0.998	
9)															
30)	l1	chlordane-3			0.079	0.075	0.065	0.056	0.053	0.050			*L	0.997	
5)															
31)	l1	chlordane-4			0.273	0.248	0.196	0.185	0.184	0.174			*L	0.999	

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL21663**
Calibration dates	**: 11/04/24 17:40 11/04/24 22:30**		

Calibration Files

1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d
7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)														
32)	l1	chlordane-5			0.395	0.367	0.304	0.289	0.283	0.268			*L	0.999
0)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.073	0.073		0.074	0.074	0.070			0.073	2.06
35)	l2	toxaphene-2			0.053	0.048		0.048	0.047	0.046			0.048	4.91
36)	l2	toxaphene-3			0.050	0.055		0.055	0.054	0.054			0.054	4.11
37)	l2	toxaphene-4			0.057	0.049		0.050	0.050	0.048			0.051	7.11

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL21663**
Calibration dates	**: 11/04/24 17:40 11/04/24 22:30**		

Signal #2 Calibration Files

1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d
7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra		1.145	1.146	1.117	1.168	1.055	0.967	1.035	0.965	1.015	1.068	7.33
3)		Hexachloroben		1.403	1.352	1.266	1.275	1.128	1.000	1.008	0.995	1.066	1.166	13.77
4)		alpha-BHC		1.488	1.565	1.393	1.500	1.389	1.426	1.442	1.478	1.665	1.483	5.94
5)		gamma-BHC (li	.028	1.439	1.448	1.328	1.422	1.314	1.295	1.311	1.322	1.482	1.439	15.17
6)		beta-BHC		0.751	0.747	0.668	0.719	0.633	0.568	0.561	0.549	0.599	0.644	12.52
7)		delta-BHC		1.431	1.449	1.266	1.411	1.300	1.329	1.350	1.387	1.546	1.385	6.17
8)		Heptachlor		1.449	1.547	1.290	1.426	1.275	1.251	1.203	1.226	1.249	1.324	9.03
9)		Aldrin		1.324	1.377	1.162	1.298	1.185	1.162	1.157	1.184	1.213	1.229	6.68
10)		Alachlor	0.222	0.216	0.199	0.209	0.192	0.163	0.153	0.141	0.134		0.181	18.59
11)		Chlorpyrifos			0.835	0.711	0.776	0.661	0.549	0.520	0.501		*L	0.998
2)														
12)		Heptachlor Ep		1.382	1.418	1.189	1.330	1.199	1.102	1.087	1.103	1.123	1.215	10.62
13)		gamma-Chlorda		1.227	1.250	1.044	1.174	1.077	1.000	0.993	1.028	1.091	1.098	8.80
14)		alpha-Chlorda		1.448	1.415	1.182	1.333	1.206	1.104	1.094	1.132	1.205	1.235	10.69
15)		4,4'-DDE		1.237	1.251	1.100	1.229	1.160	1.134	1.137	1.176	1.257	1.187	4.91
16)		Endosulfan I		1.373	1.334	1.137	1.247	1.138	1.039	1.022	1.041	1.080	1.157	11.36
17)		Dieldrin		1.238	1.282	1.112	1.233	1.148	1.085	1.085	1.112	1.204	1.166	6.35
18)		Endrin		1.335	1.303	1.135	1.262	1.170	1.099	1.090	1.119	1.195	1.190	7.62
19)		4,4'-DDD		1.052	1.069	0.942	1.028	0.965	0.915	0.917	0.969	1.063	0.991	6.30
20)		Endosulfan II		1.148	1.157	0.999	1.104	1.027	0.948	0.932	0.962	1.032	1.034	8.18
21)		4,4'-DDT		1.207	1.225	1.027	1.143	1.062	1.013	1.009	1.061	1.157	1.100	7.62
22)		Endrin Aldehyde		1.019	0.981	0.876	0.975	0.902	0.809	0.816	0.840	0.889	*L	0.998
5)														
23)		Methoxychlor		0.737	0.752	0.634	0.685	0.625	0.556	0.526	0.532	0.542	*L	0.999
5)														
24)		Mirex			1.110	0.946	1.020	0.893	0.750	0.722	0.746		*L	0.999
2)														
25)		Endosulfan Su		1.159	1.160	1.003	1.103	1.011	0.945	0.938	0.971	1.044	1.037	8.28
26)		Endrin Ketone		1.251	1.258	1.088	1.185	1.095	1.013	0.993	1.021	1.079	1.109	9.01
27)	s	Decachlorobip			1.115	0.934	1.006	0.885	0.769	0.736	0.770		*L	0.999
2)														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.049	0.045	0.043	0.040	0.037	0.035			*L	0.997
2)														
30)	l1	chlordane-3			0.055	0.050	0.048	0.043	0.039	0.036			*L	0.995

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2467934**
Project Name	**: HUNTINGTON READY MIXED**	**Project Number**	**: 20116**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL21663**
Calibration dates	**: 11/04/24 17:40 11/04/24 22:30**		

Signal #2 Calibration Files

1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d
7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
0)														
31)	l1	chlordane-4			0.177	0.160	0.165	0.162	0.152	0.150			*L	0.999
1)														
32)	l1	chlordane-5			0.152	0.134	0.132	0.128	0.118	0.117			*L	0.998
9)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.018	0.022		0.026	0.024	0.023			0.023	12.82
35)	l2	toxaphene-2			0.039	0.035		0.038	0.035	0.034			0.036	6.37
36)	l2	toxaphene-3			0.039	0.043		0.045	0.042	0.040			0.042	6.19
37)	l2	toxaphene-4			0.039	0.037		0.041	0.038	0.037			0.039	4.04

Response Factor Report Pest 18

Method Path : I:\PEST\Pest18\2024\241104ICAL\
Method File : pest18_2024_11_01_ugL_ICAL.m
Title : pest
Last Update : Tue Nov 05 11:27:41 2024
Response Via : Initial Calibration

Calibration Files
1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d
7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.473	1.414	1.370	1.371	1.293	1.222	1.180	1.135	1.070	1.281	10.69
3)		Hexachloroben...		1.728	1.646	1.580	1.558	1.422	1.270	1.215	1.169	1.106	1.410	16.17
4)		alpha-BHC		1.643	1.628	1.590	1.593	1.563	1.583	1.556	1.529	1.469	1.573	3.32
5)		gamma-BHC (li...	2.344	1.590	1.533	1.515	1.504	1.449	1.426	1.403	1.379	1.336	*L	0.999
5														
6)		beta-BHC		0.911	0.891	0.846	0.829	0.751	0.675	0.656	0.640	0.615	0.757	15.20
7)		delta-BHC		1.576	1.490	1.457	1.453	1.400	1.437	1.433	1.414	1.373	1.448	4.06
8)		Heptachlor		1.644	1.616	1.512	1.500	1.409	1.351	1.320	1.284	1.222	1.429	10.37
9)		Aldrin		1.558	1.533	1.454	1.437	1.384	1.383	1.376	1.353	1.288	1.418	6.09
10)		Alachlor		0.265	0.253	0.239	0.236	0.224	0.197	0.183	0.175	0.161	0.215	17.17
11)		Chlorpyrifos			0.868	0.844	0.818	0.721	0.614	0.579	0.552		0.714	18.59
12)		Heptachlor Ep...		1.562	1.513	1.452	1.435	1.332	1.293	1.264	1.241	1.181	1.364	9.67
13)		gamma-Chlorda...		1.657	1.535	1.420	1.358	1.261	1.200	1.182	1.171	1.122	1.323	13.88
14)		alpha-Chlorda...		1.691	1.626	1.568	1.528	1.415	1.365	1.347	1.333	1.281	1.462	9.96
15)		4,4'-DDE		1.528	1.482	1.457	1.431	1.366	1.396	1.399	1.392	1.325	1.420	4.37
16)		Endosulfan I		1.504	1.452	1.407	1.374	1.285	1.240	1.226	1.210	1.148	1.316	9.30

Method Path : I:\PEST\Pest18\2024\241104ICAL\
Method File : pest18_2024_11_01_ugL_ICAL.m
Title : pest
Last Update : Tue Nov 05 11:27:41 2024
Response Via : Initial Calibration

Calibration Files
1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d
7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
17)		Dieldrin		1.600	1.536	1.457	1.406	1.329	1.303	1.301	1.298	1.242	1.386	8.84
18)		Endrin		1.530	1.454	1.436	1.412	1.336	1.314	1.311	1.299	1.235	1.370	6.83
19)		4,4'-DDD		1.204	1.163	1.156	1.128	1.085	1.082	1.088	1.092	1.049	1.116	4.44
20)		Endosulfan II		1.364	1.288	1.276	1.239	1.175	1.140	1.135	1.125	1.070	1.201	7.93
21)		4,4'-DDT		1.323	1.295	1.253	1.218	1.156	1.143	1.137	1.140	1.083	1.194	6.85
22)		Endrin Aldehyde		1.139	1.138	1.105	1.072	1.025	0.992	0.997	0.990	0.935	*L	0.999
1														
23)		Methoxychlor		0.822	0.816	0.804	0.774	0.714	0.638	0.611	0.588	0.545	0.701	15.40
24)		Mirex			1.379	1.348	1.294	1.163	1.038	0.995	0.974		1.170	14.69
25)		Endosulfan Su...		1.295	1.304	1.274	1.234	1.137	1.087	1.073	1.046	0.994	1.161	10.16
26)		Endrin Ketone		1.546	1.501	1.442	1.429	1.343	1.273	1.240	1.208	1.137	1.347	10.47
27)	s	Decachlorobip...			1.762	1.679	1.639	1.459	1.291	1.238	1.193		*L	0.999
1														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.111	0.105	0.088	0.080	0.079	0.075			*L	0.998
9														
30)	l1	chlordane-3			0.079	0.075	0.065	0.056	0.053	0.050			*L	0.997
5														
31)	l1	chlordane-4			0.273	0.248	0.196	0.185	0.184	0.174			*L	0.999
1														
32)	l1	chlordane-5			0.395	0.367	0.304	0.289	0.283	0.268			*L	0.999
0														

Method Path : I:\PEST\Pest18\2024\241104ICAL\
Method File : pest18_2024_11_01_ugL_ICAL.m
Title : pest
Last Update : Tue Nov 05 11:27:41 2024
Response Via : Initial Calibration

Calibration Files
1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d
7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.073	0.073		0.074	0.074	0.070			0.073	2.06
35)	l2	toxaphene-2			0.053	0.048		0.048	0.047	0.046			0.048	4.91
36)	l2	toxaphene-3			0.050	0.055		0.055	0.054	0.054			0.054	4.11
37)	l2	toxaphene-4			0.057	0.049		0.050	0.050	0.048			0.051	7.11

Signal #2 Calibration Files
1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d
7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...			1.145	1.146	1.117	1.168	1.055	0.967	1.035	0.965	1.015	1.068	7.33
3)		Hexachloroben...			1.403	1.352	1.266	1.275	1.128	1.000	1.008	0.995	1.066	1.166	13.77
4)		alpha-BHC			1.488	1.565	1.393	1.500	1.389	1.426	1.442	1.478	1.665	1.483	5.94
5)		gamma-BHC (li...		2.028	1.439	1.448	1.328	1.422	1.314	1.295	1.311	1.322	1.482	1.439	15.17
6)		beta-BHC			0.751	0.747	0.668	0.719	0.633	0.568	0.561	0.549	0.599	0.644	12.52
7)		delta-BHC			1.431	1.449	1.266	1.411	1.300	1.329	1.350	1.387	1.546	1.385	6.17
8)		Heptachlor			1.449	1.547	1.290	1.426	1.275	1.251	1.203	1.226	1.249	1.324	9.03
9)		Aldrin			1.324	1.377	1.162	1.298	1.185	1.162	1.157	1.184	1.213	1.229	6.68

Response Factor Report Pest 18

Method Path : I:\PEST\Pest18\2024\241104ICAL\
Method File : pest18_2024_11_01_ugL_ICAL.m
Title : pest
Last Update : Tue Nov 05 11:27:41 2024
Response Via : Initial Calibration

Calibration Files
1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d
7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
10)	Alachlor		0.222	0.216	0.199	0.209	0.192	0.163	0.153	0.141	0.134	0.181	18.59
11)	Chlorpyrifos			0.835	0.711	0.776	0.661	0.549	0.520	0.501		*L	0.998
2													
12)	Heptachlor Ep...		1.382	1.418	1.189	1.330	1.199	1.102	1.087	1.103	1.123	1.215	10.62
13)	gamma-Chlorda...		1.227	1.250	1.044	1.174	1.077	1.000	0.993	1.028	1.091	1.098	8.80
14)	alpha-Chlorda...		1.448	1.415	1.182	1.333	1.206	1.104	1.094	1.132	1.205	1.235	10.69
15)	4,4'-DDE		1.237	1.251	1.100	1.229	1.160	1.134	1.137	1.176	1.257	1.187	4.91
16)	Endosulfan I		1.373	1.334	1.137	1.247	1.138	1.039	1.022	1.041	1.080	1.157	11.36
17)	Dieldrin		1.238	1.282	1.112	1.233	1.148	1.085	1.085	1.112	1.204	1.166	6.35
18)	Endrin		1.335	1.303	1.135	1.262	1.170	1.099	1.090	1.119	1.195	1.190	7.62
19)	4,4'-DDD		1.052	1.069	0.942	1.028	0.965	0.915	0.917	0.969	1.063	0.991	6.30
20)	Endosulfan II		1.148	1.157	0.999	1.104	1.027	0.948	0.932	0.962	1.032	1.034	8.18
21)	4,4'-DDT		1.207	1.225	1.027	1.143	1.062	1.013	1.009	1.061	1.157	1.100	7.62
22)	Endrin Aldehyde		1.019	0.981	0.876	0.975	0.902	0.809	0.816	0.840	0.889	*L	0.998
5													
23)	Methoxychlor		0.737	0.752	0.634	0.685	0.625	0.556	0.526	0.532	0.542	*L	0.999
5													
24)	Mirex			1.110	0.946	1.020	0.893	0.750	0.722	0.746		*L	0.999
2													
25)	Endosulfan Su...		1.159	1.160	1.003	1.103	1.011	0.945	0.938	0.971	1.044	1.037	8.28

Response Factor Report Pest 18

Method Path : I:\PEST\Pest18\2024\241104ICAL\
Method File : pest18_2024_11_01_ugL_ICAL.m
Title : pest
Last Update : Tue Nov 05 11:27:41 2024
Response Via : Initial Calibration

Calibration Files
1 =18241104i-04.d 2 =18241104i-05.d 3 =18241104i-16.d 4 =18241104i-25.d 5 =18241104i-18.d
7 =18241104i-26.d 8 =18241104i-27.d 9 =18241104i-28.d 10 =18241104i-12.d 11 =18241104i-13.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
26)		Endrin Ketone	1.251	1.258	1.088	1.185	1.095	1.013	0.993	1.021	1.079		1.109	9.01
27)	s	Decachlorobip...			1.115	0.934	1.006	0.885	0.769	0.736	0.770		*L	0.999
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.049	0.045	0.043	0.040	0.037	0.035			*L	0.997
30)	l1	chlordane-3			0.055	0.050	0.048	0.043	0.039	0.036			*L	0.995
31)	l1	chlordane-4			0.177	0.160	0.165	0.162	0.152	0.150			*L	0.999
32)	l1	chlordane-5			0.152	0.134	0.132	0.128	0.118	0.117			*L	0.998
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.018	0.022		0.026	0.024	0.023			0.023	12.82
35)	l2	toxaphene-2			0.039	0.035		0.038	0.035	0.034			0.036	6.37
36)	l2	toxaphene-3			0.039	0.043		0.045	0.042	0.040			0.042	6.19
37)	l2	toxaphene-4			0.039	0.037		0.041	0.038	0.037			0.039	4.04

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:28 pm
Operator : PEST18:kab
Sample : pem18241104i-01,42e,,pp 11573 - (Sig #1); pem-01,42e,,pp 11573 - (Sig #2)
Misc : WG1993322, (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: Nov 05 10:49:13 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:48:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.781	1.878	69269231	489.4E6	25.000	25.000
	System Monitoring Compounds						
	Target Compounds						
15)	4,4'-DDE	4.421	5.225	231274	1444247	0.059M2	0.062M2
18)	Endrin	4.981	5.678	166.1E6	960.2E6	43.774	41.221
19)	4,4'-DDD	5.094	5.799	404996	2108998	0.131M2	0.109M2
21)	4,4'-DDT	5.384	6.077	289.0E6	1822.2E6	87.356	84.577
22)	Endrin Aldeh	5.637	6.173	185367	1610597	N.D. M2	N.D. M2
26)	Endrin Keton	6.251	6.817	1283909	6913533	0.344M2	0.318M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

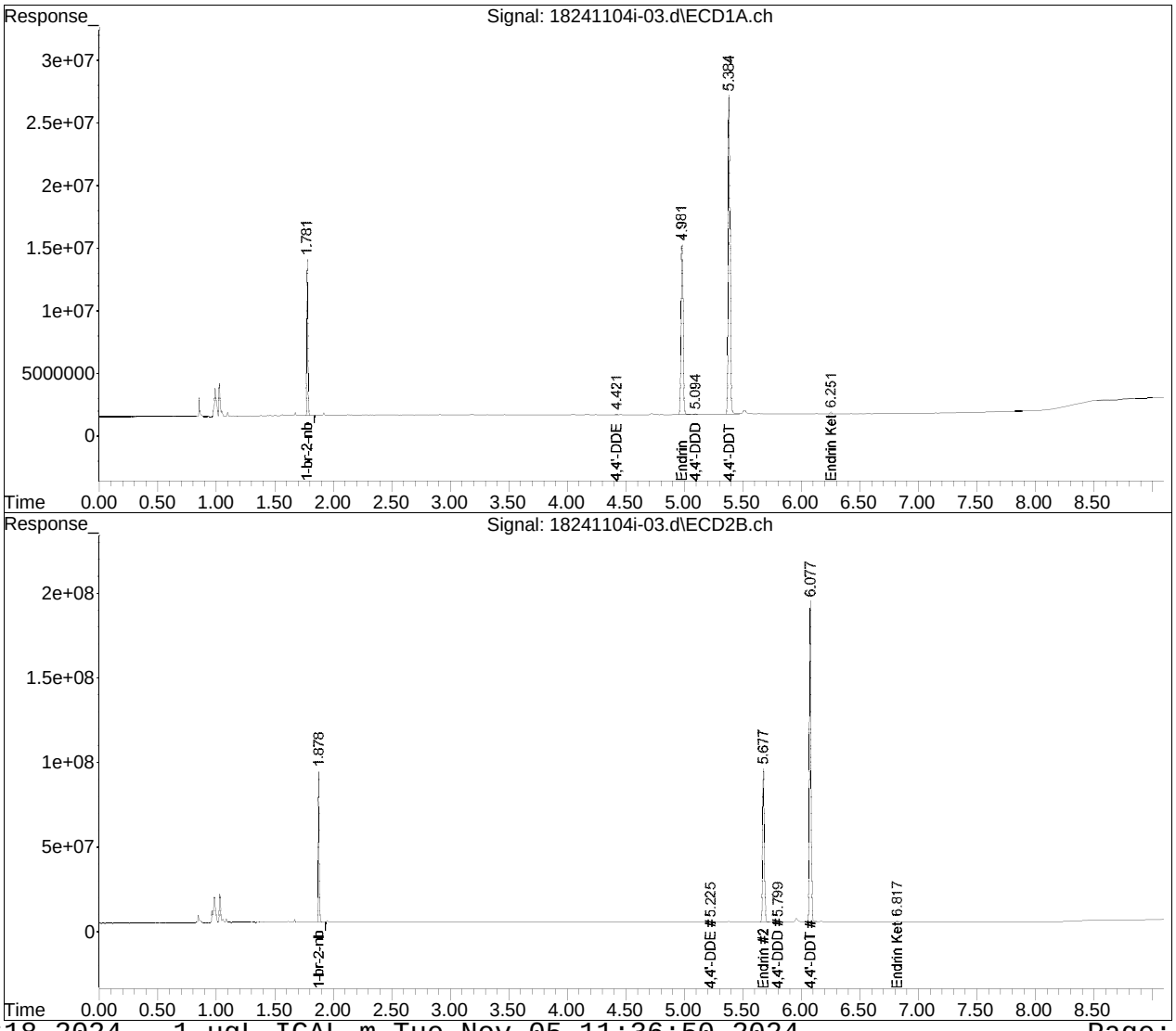
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:28 pm
Operator : PEST18:kab
Sample : pem18241104i-01,42e,,pp 11573 - (Sig #1); pem-01,42e,,pp 11573 - (
Misc : WG1993322, (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: Nov 05 10:49:13 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:48:20 2024
Response via : Initial Calibration
Integrator: ChemStation

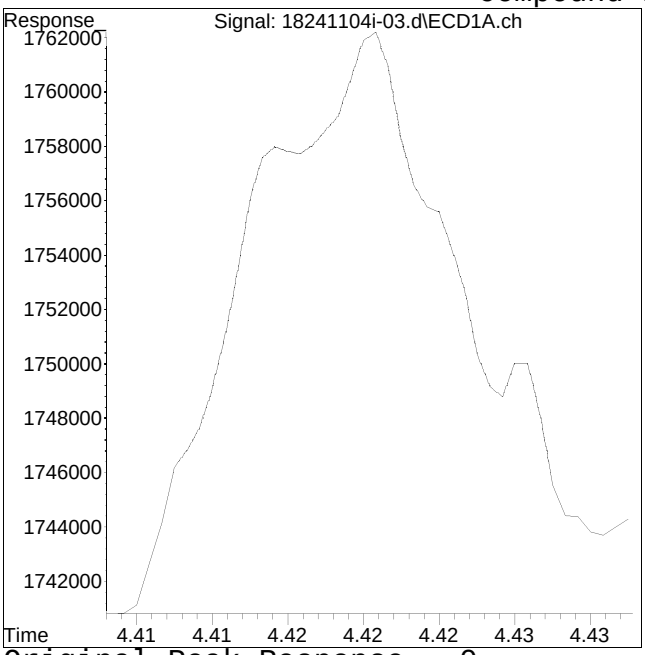
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

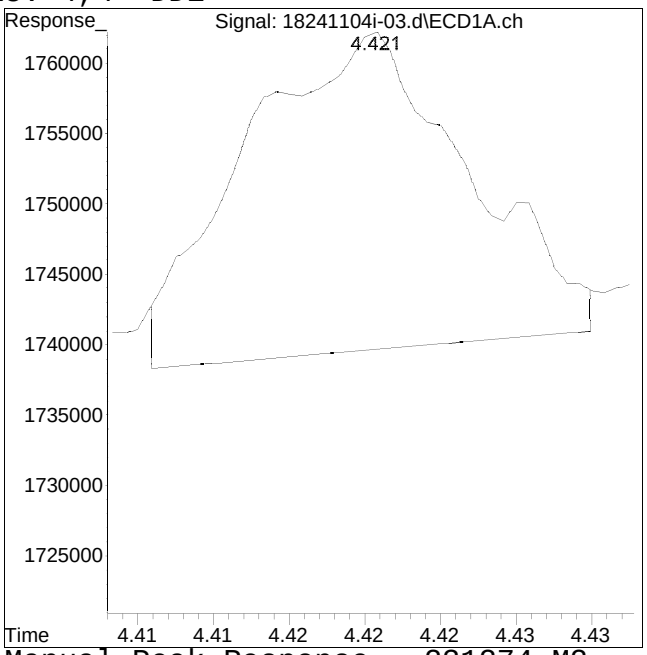


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-03.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:28 pm Instrument : Pest 18
Sample : pem18241104i-01,42e,,pp 11Quant Date : 11/5/2024 10:49 am

Compound #15: 4,4'-DDE



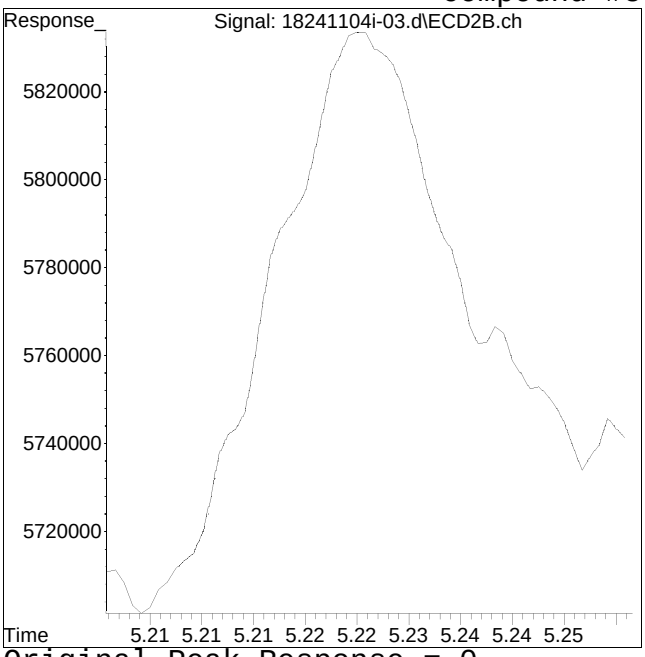


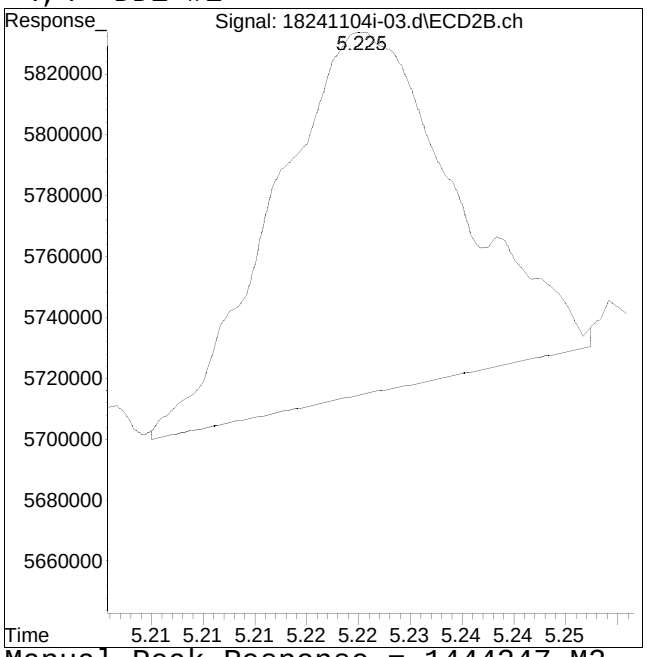
Original Peak Response = 0 Manual Peak Response = 231274 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-03.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:28 pm Instrument : Pest 18
Sample : pem18241104i-01,42e,,pp 11Quant Date : 11/5/2024 10:49 am

Compound #53: 4,4'-DDE #2



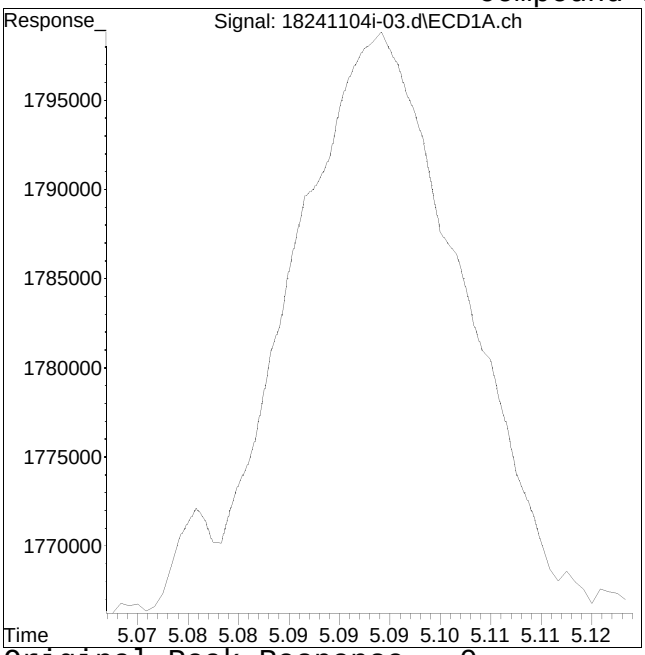


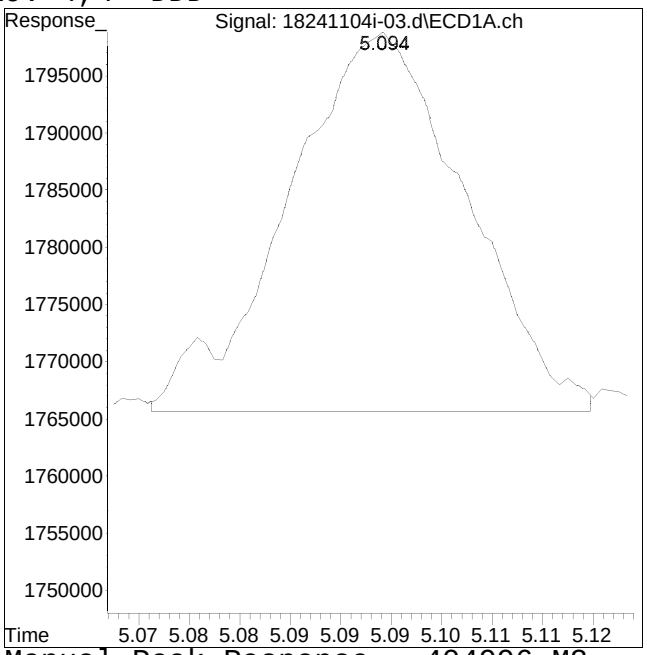
Original Peak Response = 0 Manual Peak Response = 1444247 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-03.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:28 pm Instrument : Pest 18
Sample : pem18241104i-01,42e,,pp 11Quant Date : 11/5/2024 10:49 am

Compound #19: 4,4'-DDD



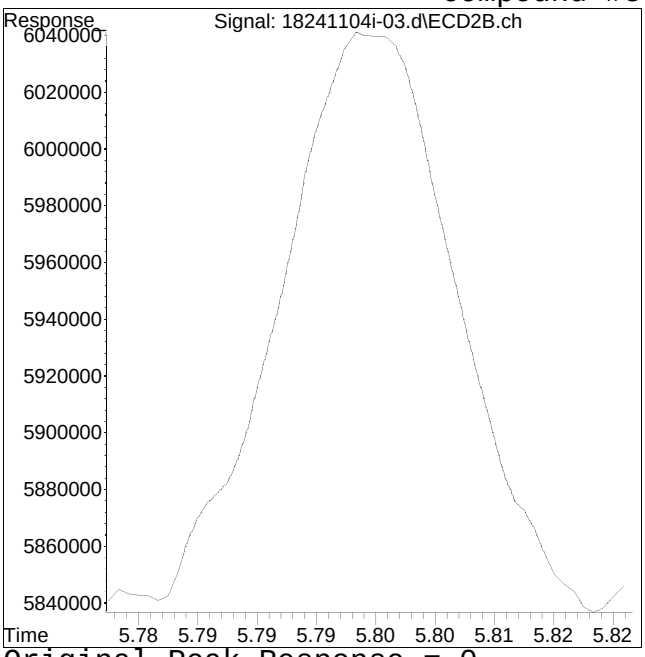


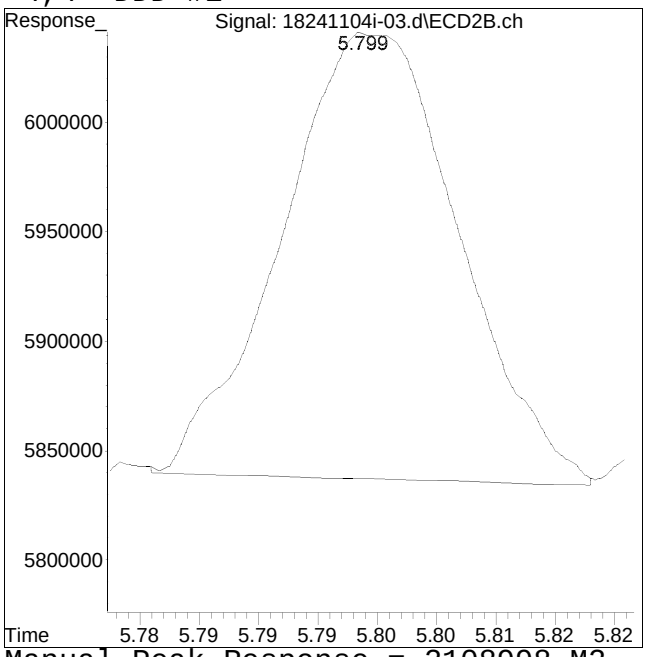
Original Peak Response = 0 Manual Peak Response = 404996 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-03.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:28 pm Instrument : Pest 18
Sample : pem18241104i-01,42e,,pp 11Quant Date : 11/5/2024 10:49 am

Compound #57: 4,4'-DDD #2



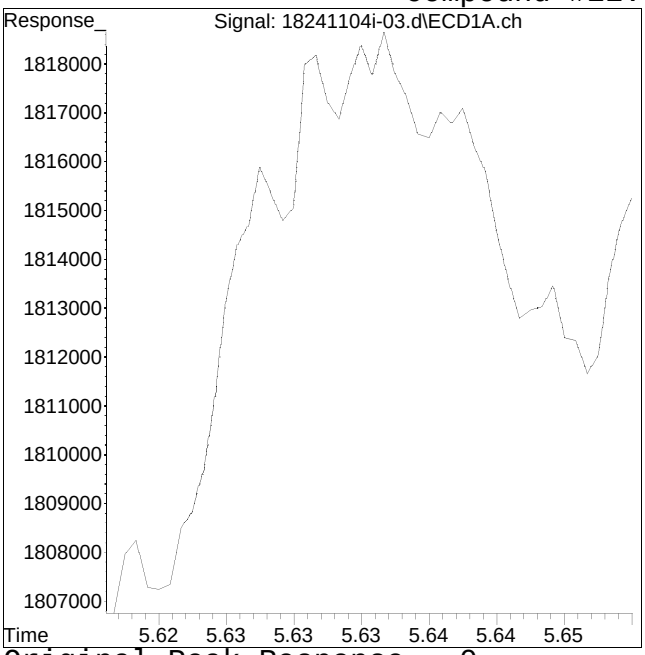


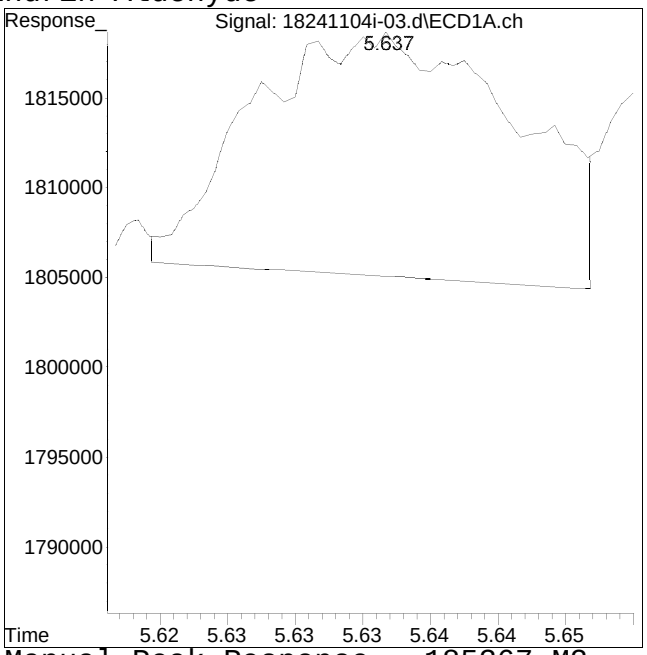
Original Peak Response = 0 Manual Peak Response = 2108998 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-03.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:28 pm Instrument : Pest 18
Sample : pem18241104i-01,42e,,pp 11Quant Date : 11/5/2024 10:49 am

Compound #22: Endrin Aldehyde



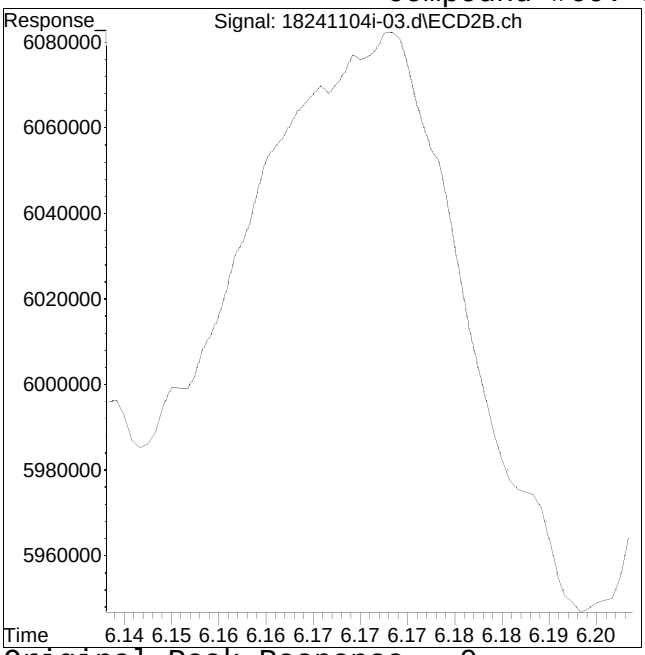


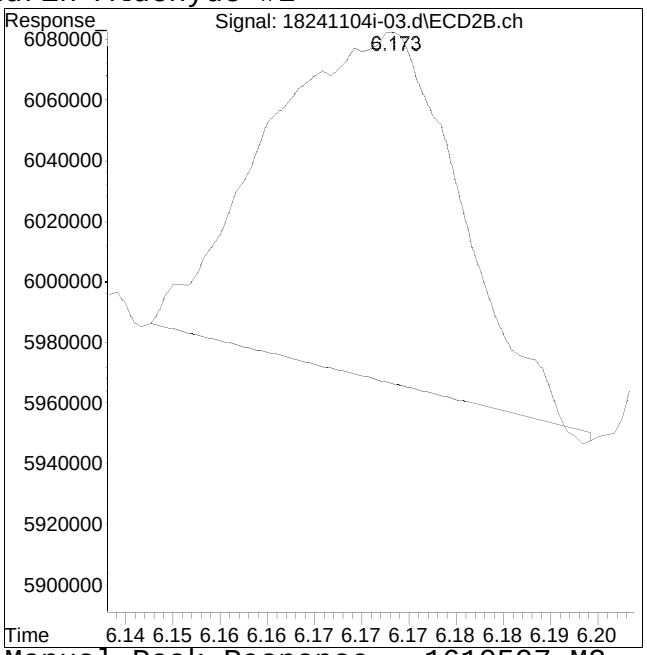
Original Peak Response = 0 Manual Peak Response = 185367 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-03.d
Date Inj'd : 11/4/2024 5:28 pm
Sample : pem18241104i-01,42e,,pp 11
Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 10:49 am

Compound #60: Endrin Aldehyde #2





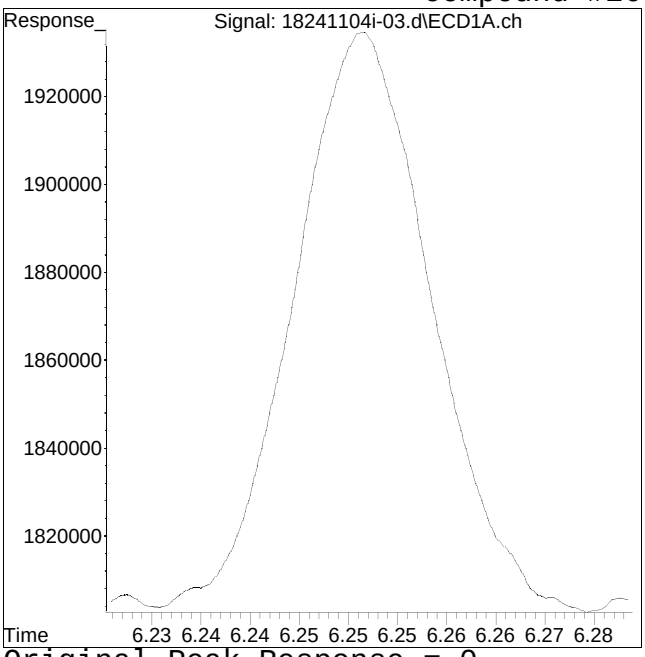
Original Peak Response = 0
Manual Peak Response = 1610597 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

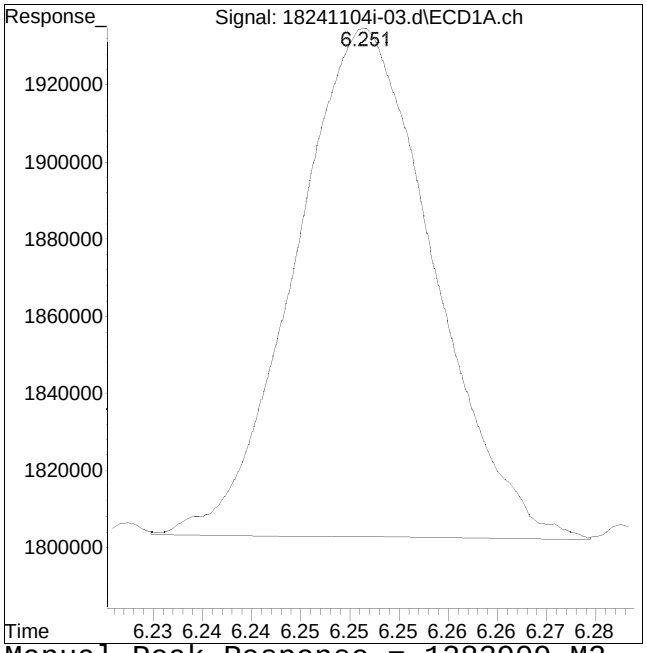
Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-03.d
Date Inj'd : 11/4/2024 5:28 pm
Sample : pem18241104i-01,42e,,pp 11

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 10:49 am

Compound #26: Endrin Ketone



Original Peak Response = 0



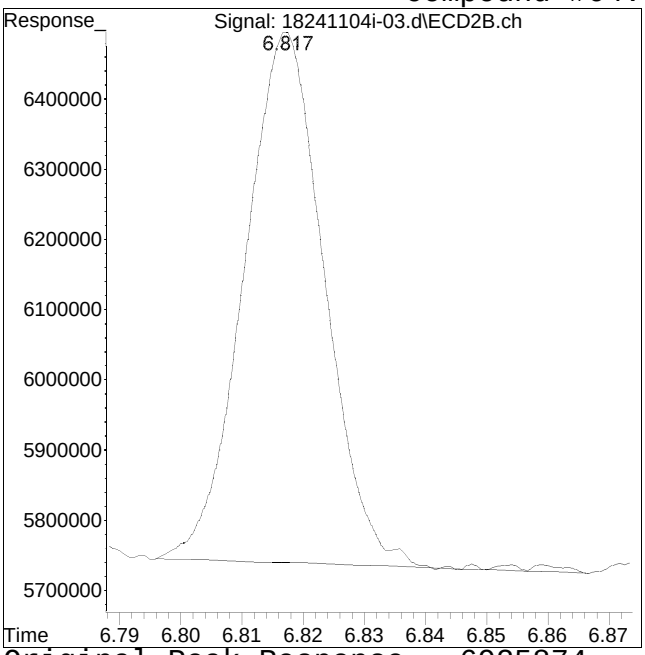
Manual Peak Response = 1283909 M2

M2 = Peak not found by automatic integration algorithm.

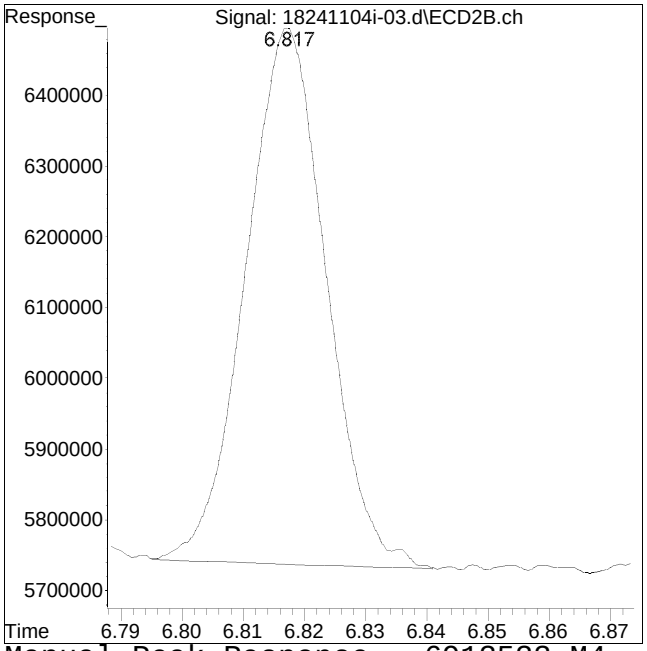
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-03.d
Date Inj'd : 11/4/2024 5:28 pm
Sample : pem18241104i-01,42e,,pp 11
Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 10:49 am

Compound #64: Endrin Ketone #2



Original Peak Response = 6925874



Manual Peak Response = 6913533 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:40 pm
Operator : PEST18:kab
Sample : il1pest,42e,,pp 11879 L0.0005
Misc : WG1993322, (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: Nov 05 10:15:56 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:15:47 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.780	1.878	67340330	452.3E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	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	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	2.819	3.235	3156867	18351679	0.803	0.739
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:40 pm
Operator : PEST18:kab
Sample : il1pest,42e,,pp 11879 L0.0005
Misc : WG1993322, (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: Nov 05 10:15:56 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:15:47 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	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

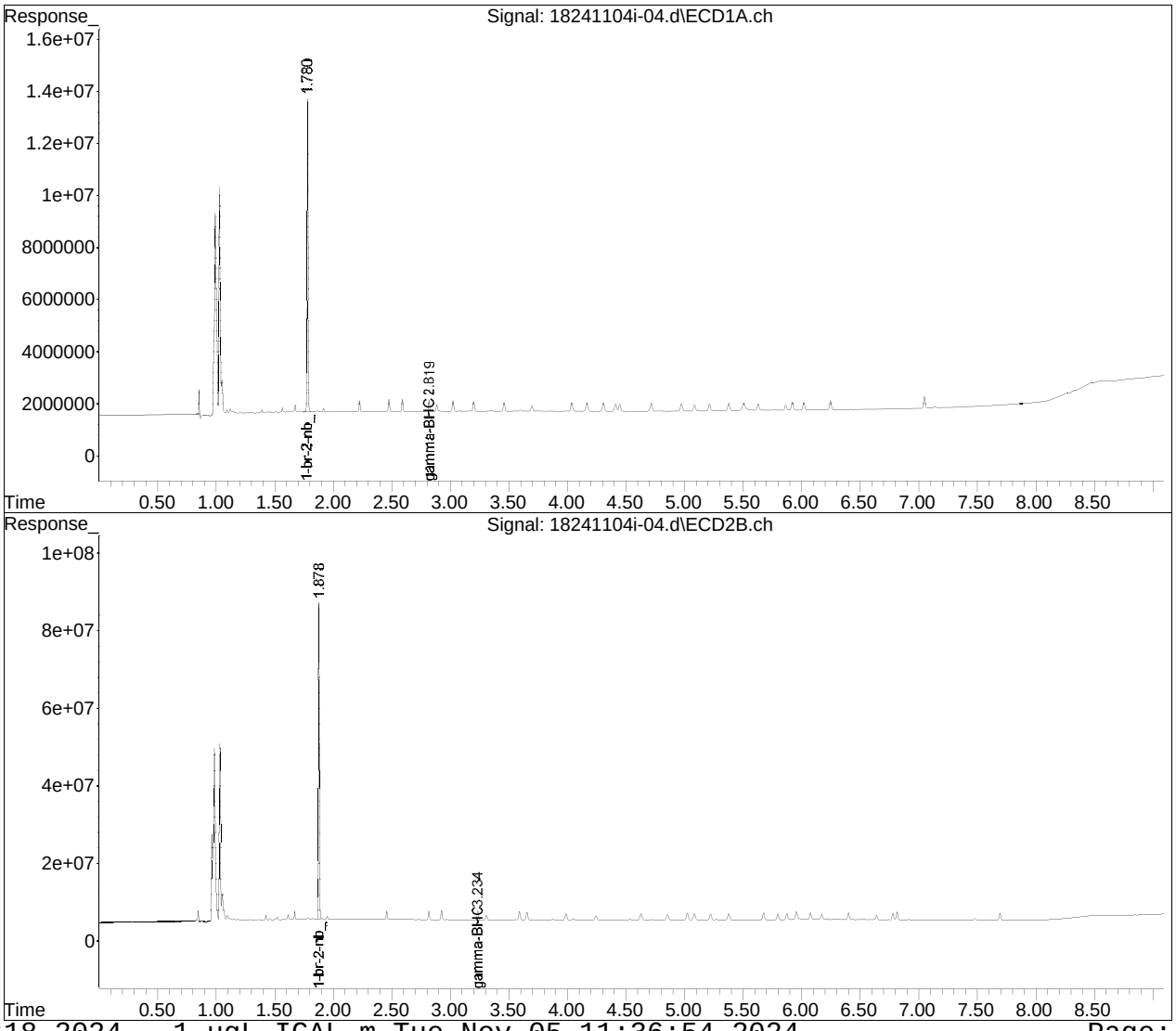
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:40 pm
Operator : PEST18:kab
Sample : il1pest,42e,,pp 11879 L0.0005
Misc : WG1993322, (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: Nov 05 10:15:56 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:15:47 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\Pest18\2024\241104	QMethod	: pest18_2024_11_01_ugL_IC
Data File	: 18241104i-04.d	Operator	: PEST18:kab
Date Inj'd	: 11/4/2024 5:40 pm	Instrument	: Pest 18
Sample	: il1pest,42e,,pp 11879 L0.0	Quant Date	: 11/5/2024 10:15 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:52 pm
Operator : PEST18:kab
Sample : il2pest,42e,,pp 11879 L0.001
Misc : WG1993322, (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: Nov 05 10:12:34 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:12:25 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.780	1.878	62860134	422.4E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.225	2.457	3702465	19341727	1.171M4	1.082M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.34%#	2.16%#
27) s	Decachlorobi	7.050	7.694	4505235	18111454	1.262	1.222
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.52%#	2.44%#
	Target Compounds						
3)	Hexachlorobe	2.475	2.816	4345791	23703528	1.261M4	1.235
4)	alpha-BHC	2.591	2.925	4131147	25144571	1.051	1.004
5)	gamma-BHC (l	2.819	3.234	3997643	24306706	1.102	1.054
6)	beta-BHC	2.884	3.308	2291462	12697893	1.235M3	1.192M2
7)	delta-BHC	3.023	3.589	3962650	24178850	1.100	1.037M3
8)	Heptachlor	3.199	3.654	4134817	24484654	1.173M4	1.107
9)	Aldrin	3.459	3.987	3918169	22375862	1.112M3	1.088
10)	Alachlor	3.597	3.874	665632	3753566	1.270M2	1.264M2
11)	Chlorpyrifos	3.696	4.242	2260670	14080871	1.305	1.324
12)	Heptachlor E	4.036	4.627	3927158	23355396	1.167	1.158
13)	gamma-Chlord	4.166	4.854	4166912	20734484	1.294	1.134
14)	alpha-Chlord	4.307	5.024	4252981	24459291	1.181	1.198
15)	4,4'-DDE	4.412	5.222	3842729	20904361	1.087	1.048
16)	Endosulfan I	4.447	5.084	3782798	23195462	1.164	1.215

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:52 pm
Operator : PEST18:kab
Sample : il2pest,42e,,pp 11879 L0.001
Misc : WG1993322, (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: Nov 05 10:12:34 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:12:25 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	ug/l	ug/l
17)	Dieldrin	4.716	5.376	4023934	20912301	1.178M3	1.069
18)	Endrin	4.974	5.675	3848246	22556680	1.134	1.139
19)	4,4'-DDD	5.086	5.796	3027327	17771368	1.089	1.069M4
20)	Endosulfan I	5.213	5.873	3429386	19400234	1.155	1.126M4
21)	4,4'-DDT	5.377	6.074	3326008	20389552	1.123	1.110
22)	Endrin Aldeh	5.628	6.171	2864721	17214373	1.104M4	1.150
23)	Methoxychlor	5.864	6.640	2067965	12451267	1.199	1.215
24)	Mirex	5.921	6.778	3619661	18560795	1.264	1.256
25)	Endosulfan S	6.019	6.400	3256270	19588840	1.132M3	1.135
26)	Endrin Keton	6.246	6.814	3886557	21134727	1.169	1.146
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:52 pm
Operator : PEST18:kab
Sample : il2pest,42e,,pp 11879 L0.001
Misc : WG1993322, (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: Nov 05 10:12:34 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:12:25 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	ug/l	ug/l

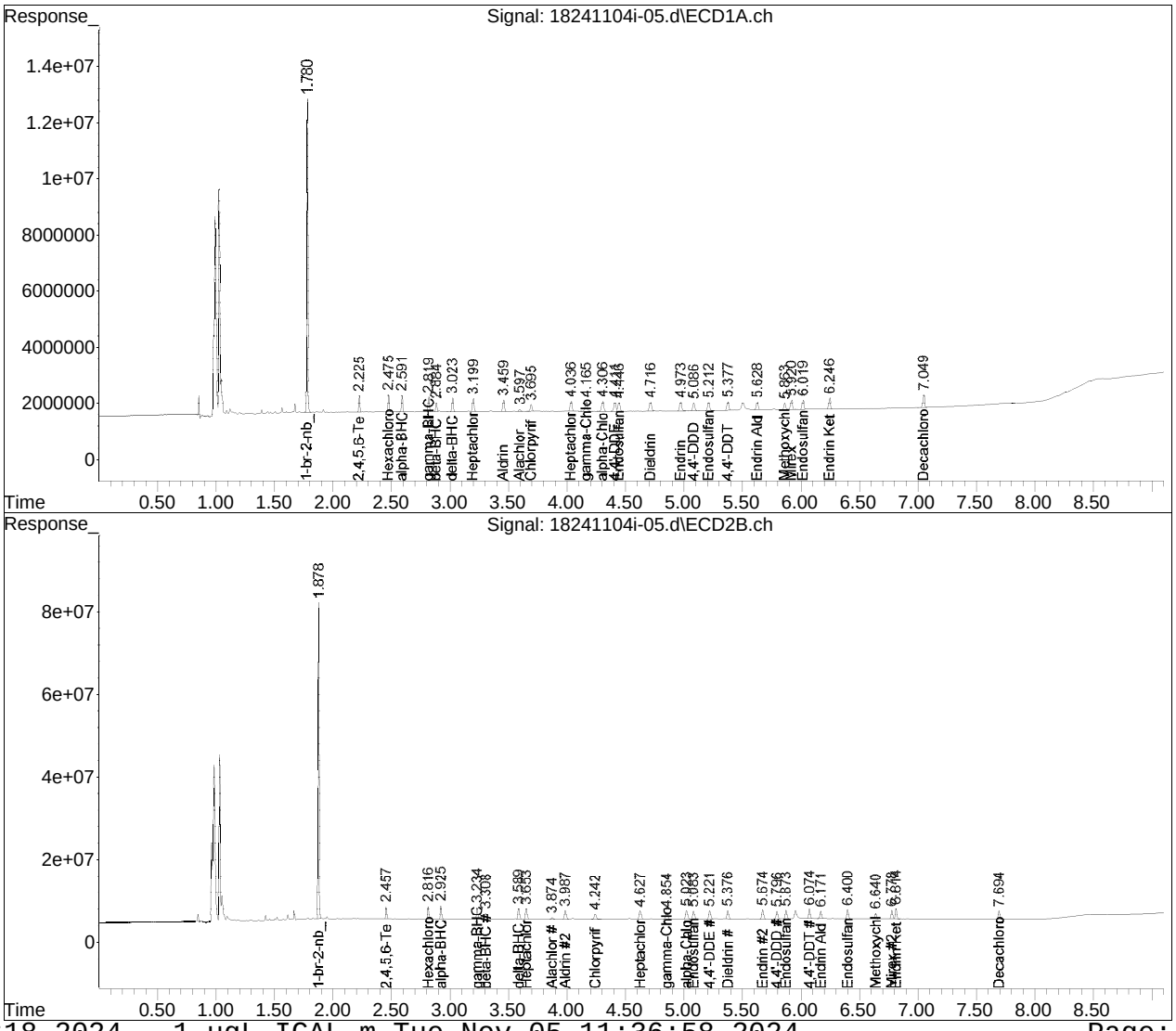
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 5:52 pm
Operator : PEST18:kab
Sample : il2pest,42e,,pp 11879 L0.001
Misc : WG1993322, (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: Nov 05 10:12:34 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:12:25 2024
Response via : Initial Calibration
Integrator: ChemStation

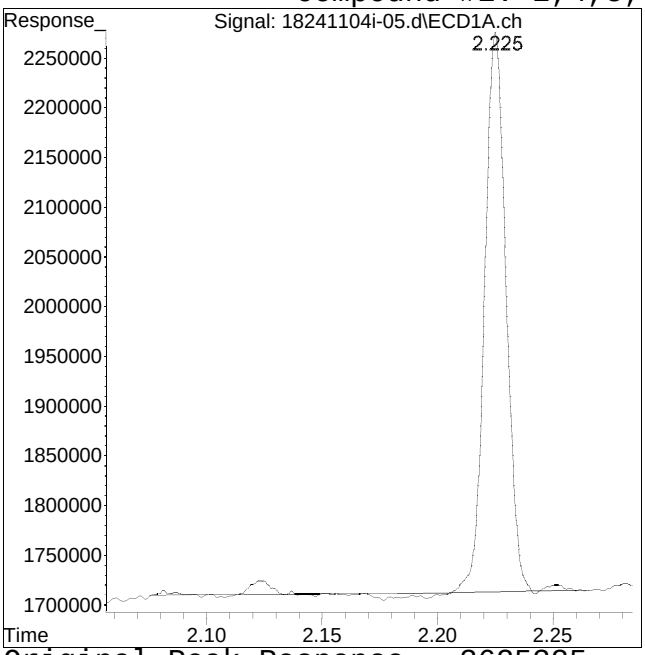
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



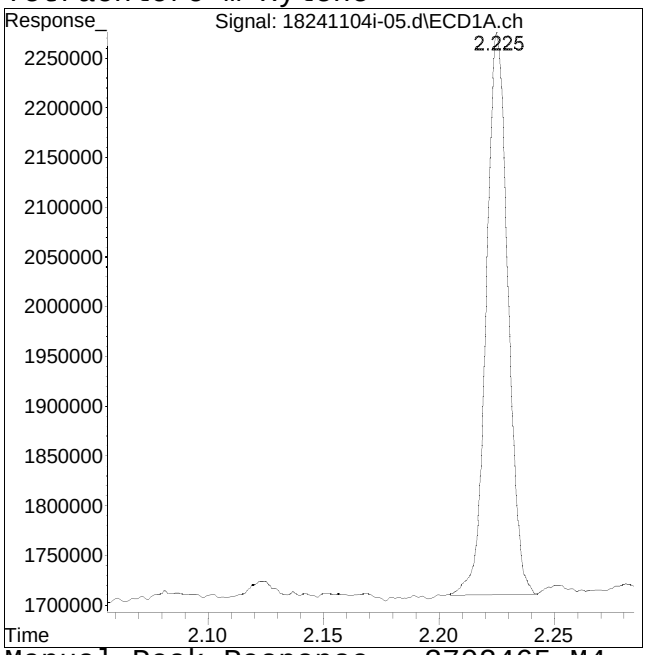
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 3625325



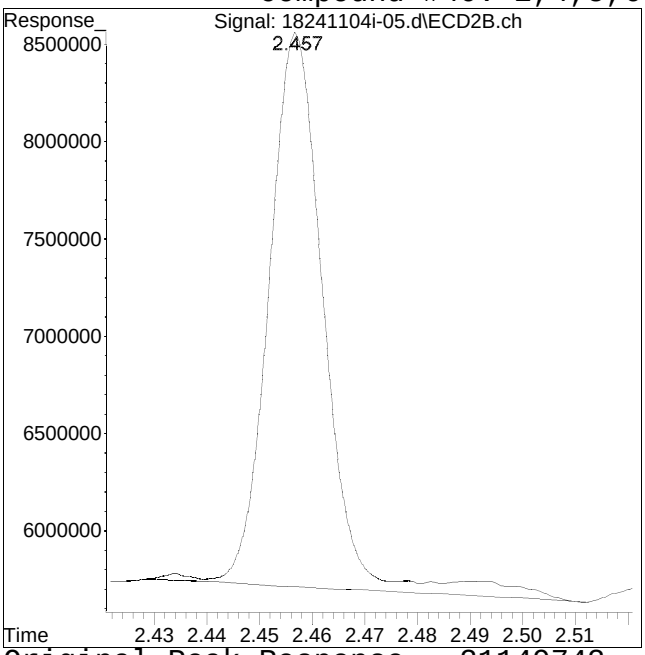
Manual Peak Response = 3702465 M4

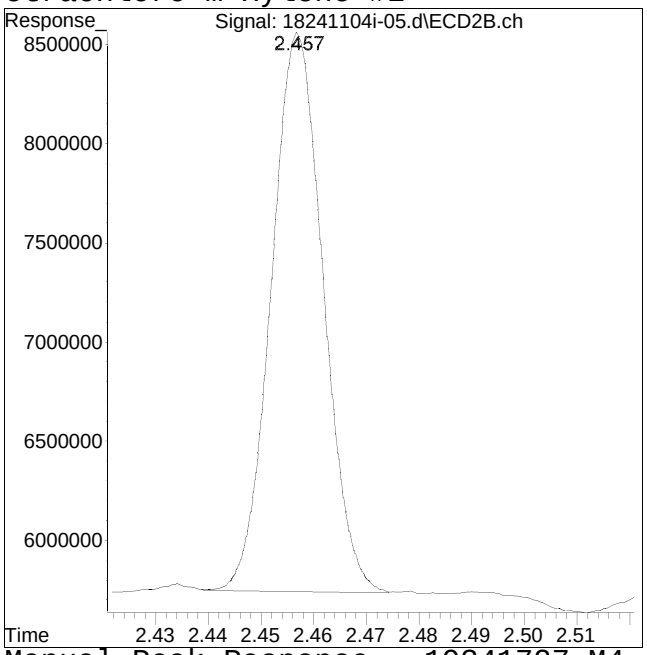
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



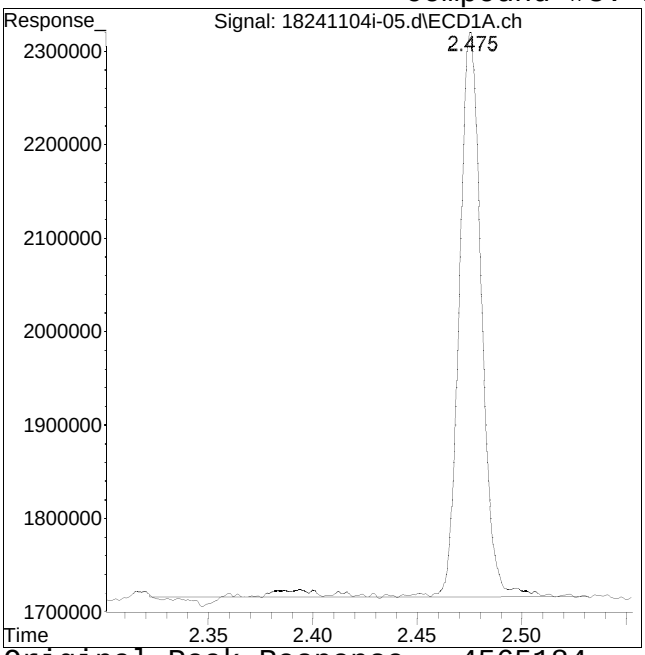


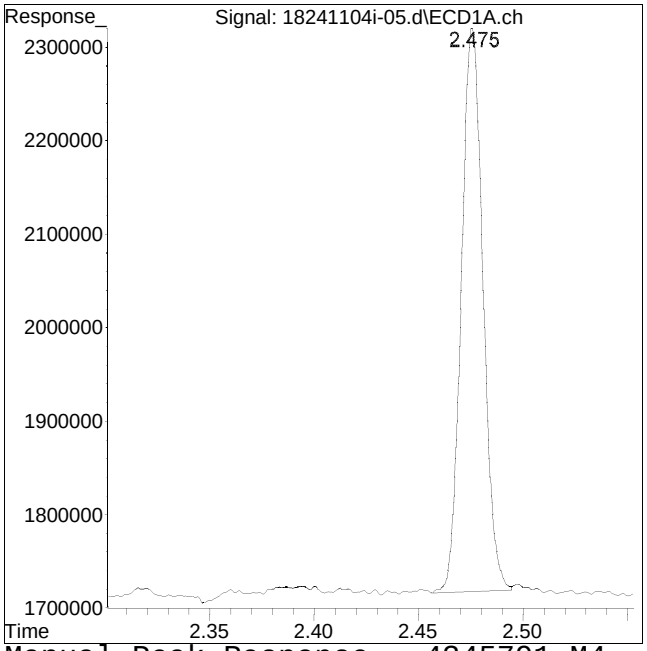
Original Peak Response = 21149742 Manual Peak Response = 19341727 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #3: Hexachlorobenzene





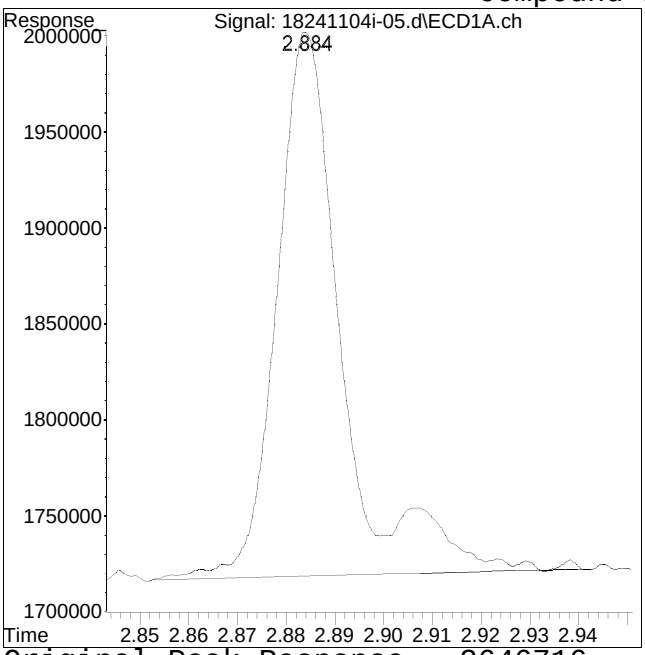
Original Peak Response = 4565184 Manual Peak Response = 4345791 M4
M4 = Poor automated baseline construction.

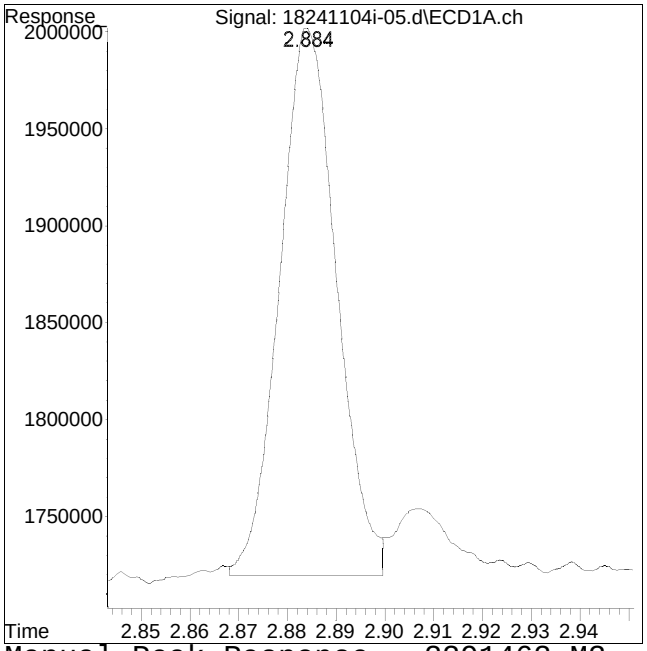
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-05.d
Date Inj'd : 11/4/2024 5:52 pm
Sample : il2pest,42e,,pp 11879 L0.0

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 10:12 am

Compound #6: beta-BHC





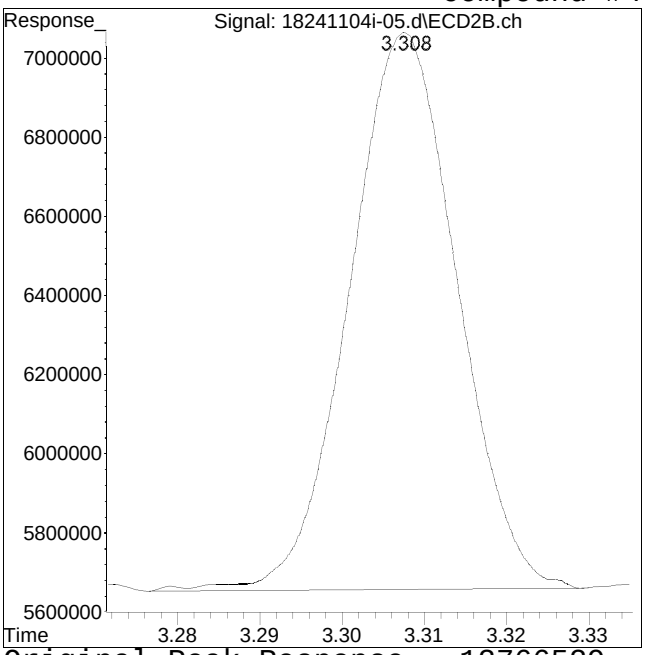
Original Peak Response = 2646716 Manual Peak Response = 2291462 M3

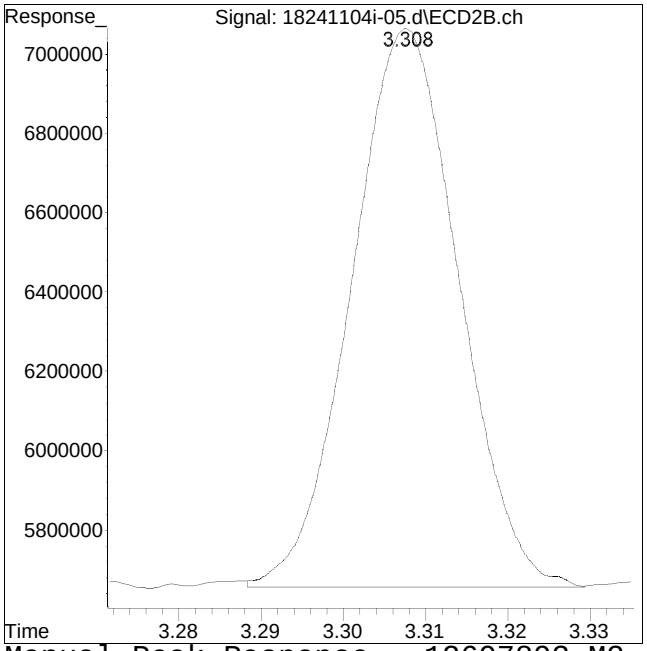
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #44: beta-BHC #2



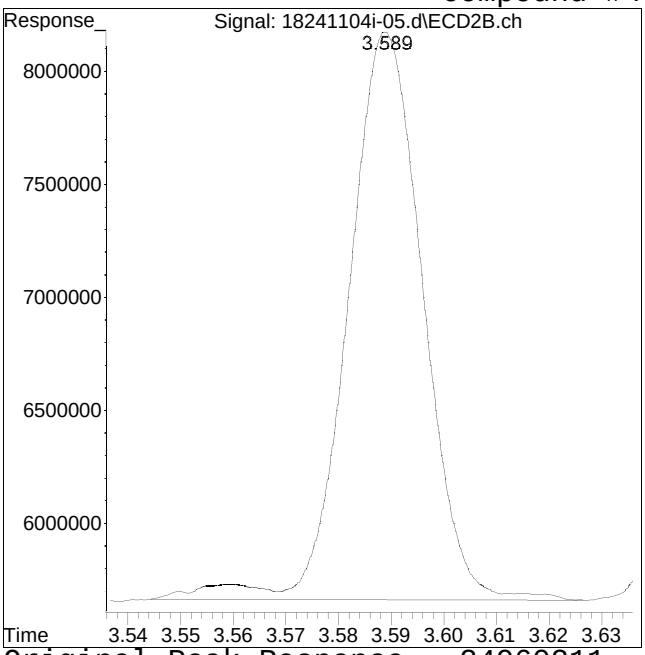


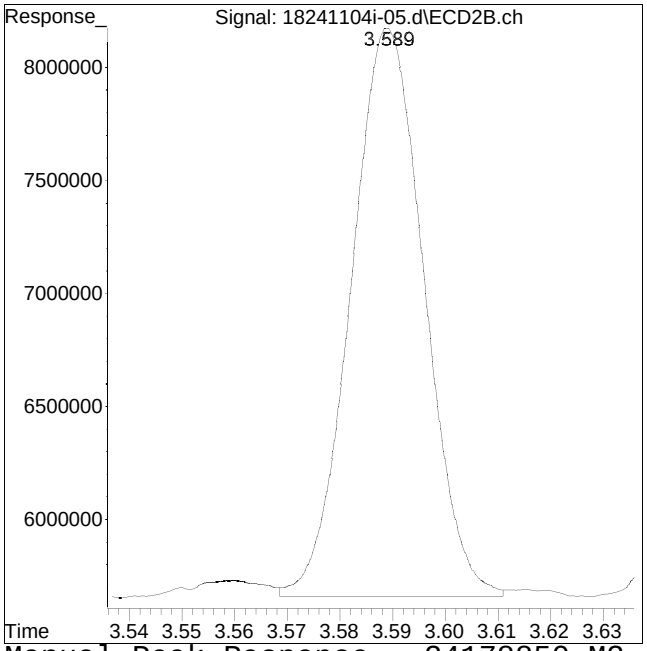
Original Peak Response = 12766529 Manual Peak Response = 12697893 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #45: delta-BHC #2



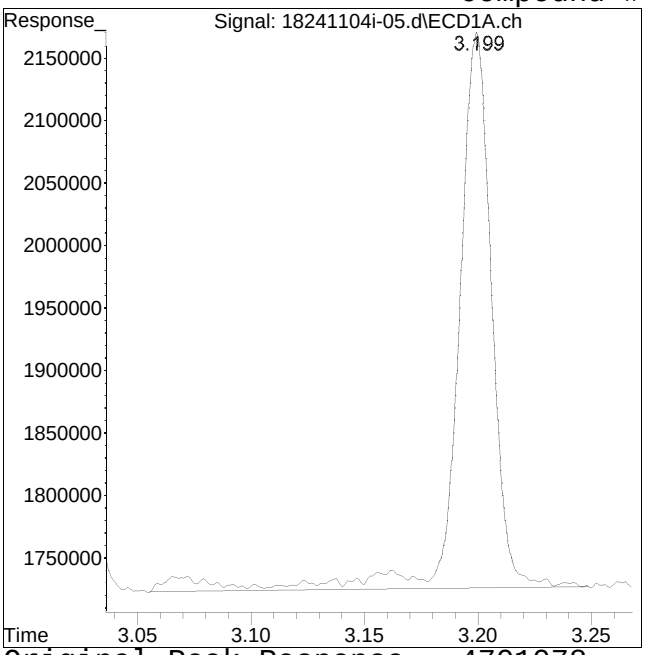


Original Peak Response = 24960211 Manual Peak Response = 24178850 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

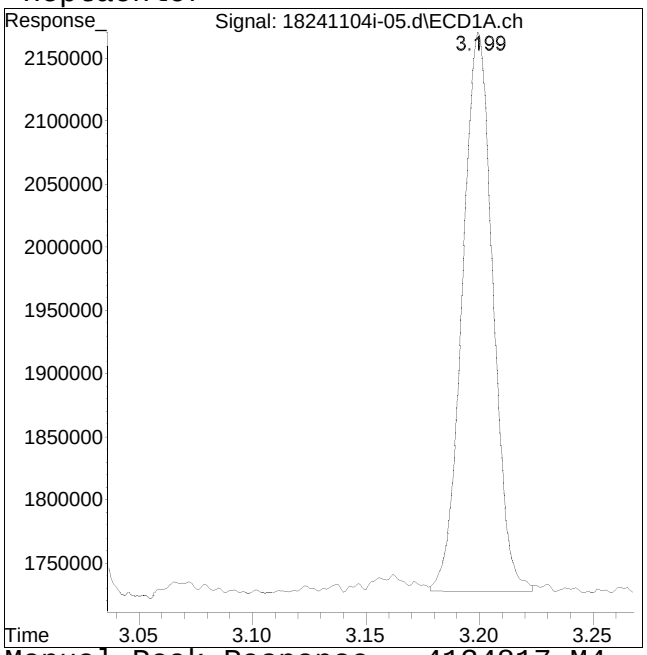
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #8: Heptachlor



Original Peak Response = 4701078



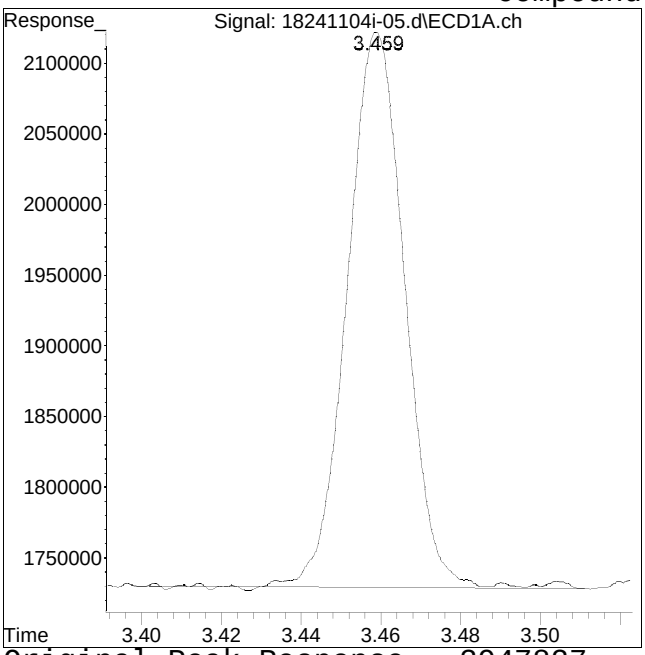
Manual Peak Response = 4134817 M4

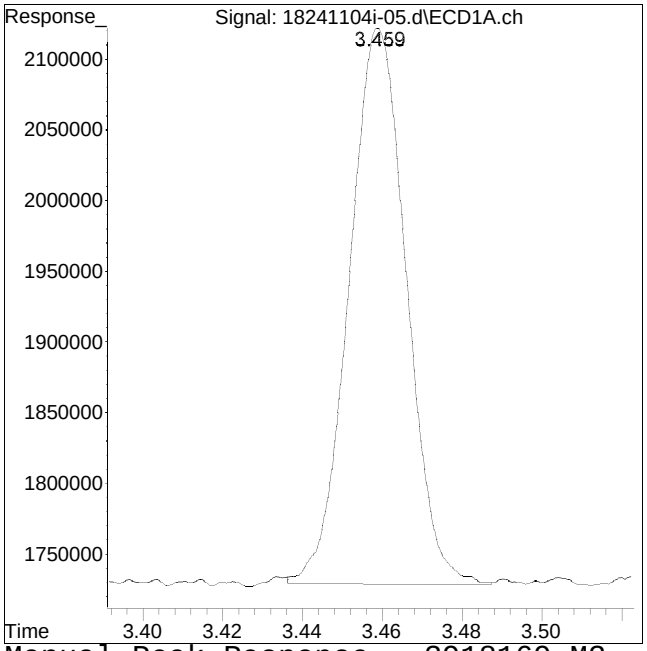
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #9: Aldrin



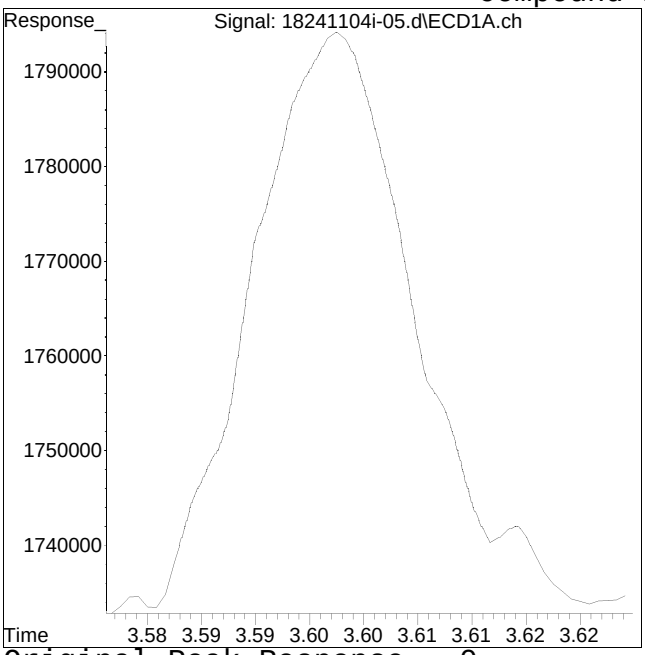


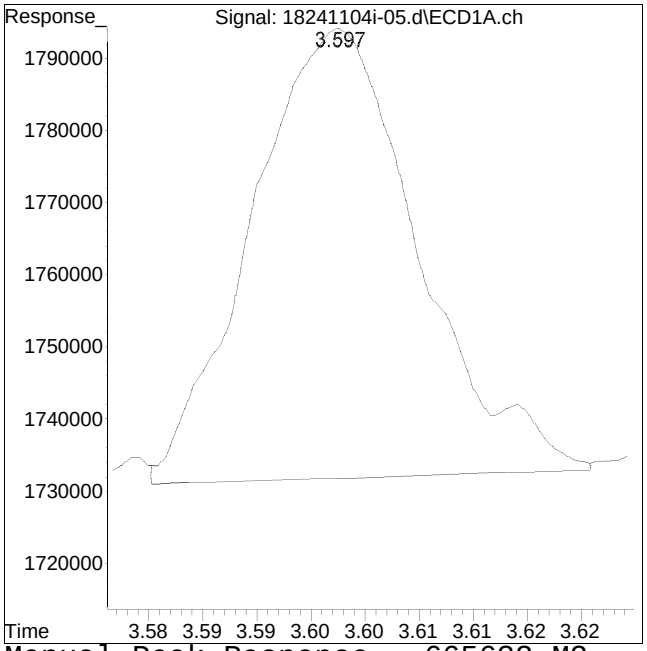
Original Peak Response = 3947827 Manual Peak Response = 3918169 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #10: Alachlor



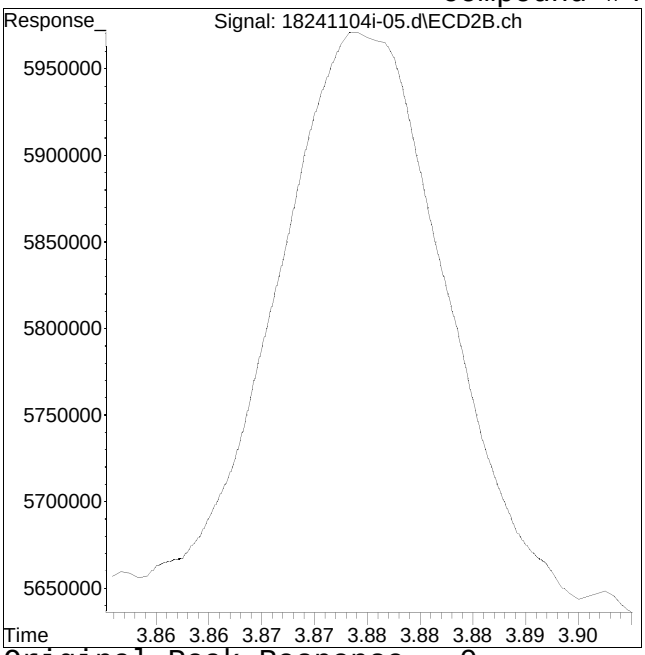


Original Peak Response = 0 Manual Peak Response = 665632 M2
M2 = Peak not found by automatic integration algorithm.

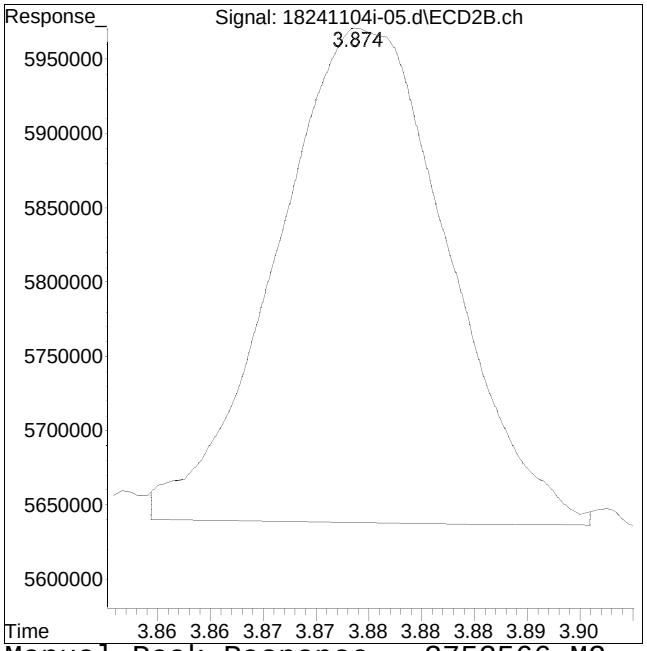
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #48: Alachlor #2



Original Peak Response = 0



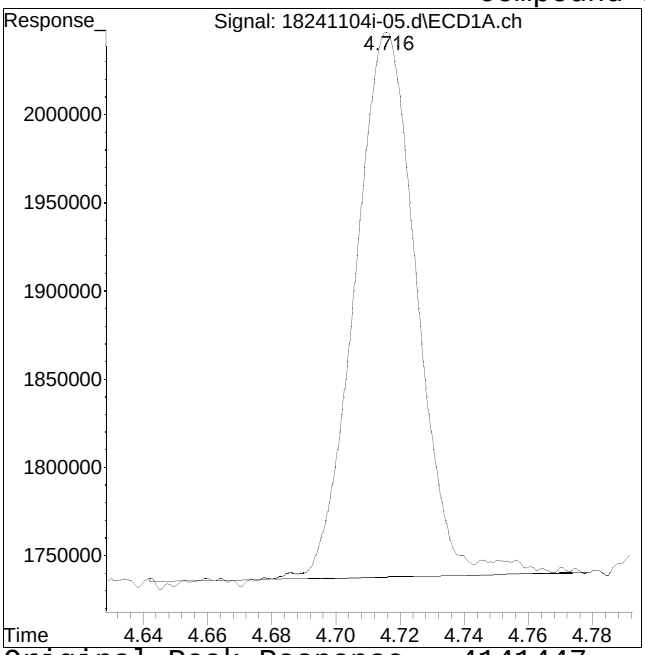
Manual Peak Response = 3753566 M2

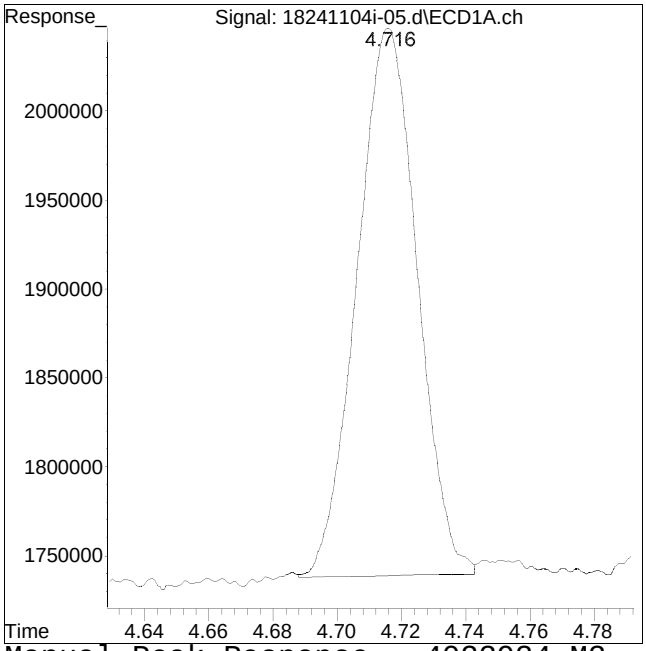
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #17: Dieldrin



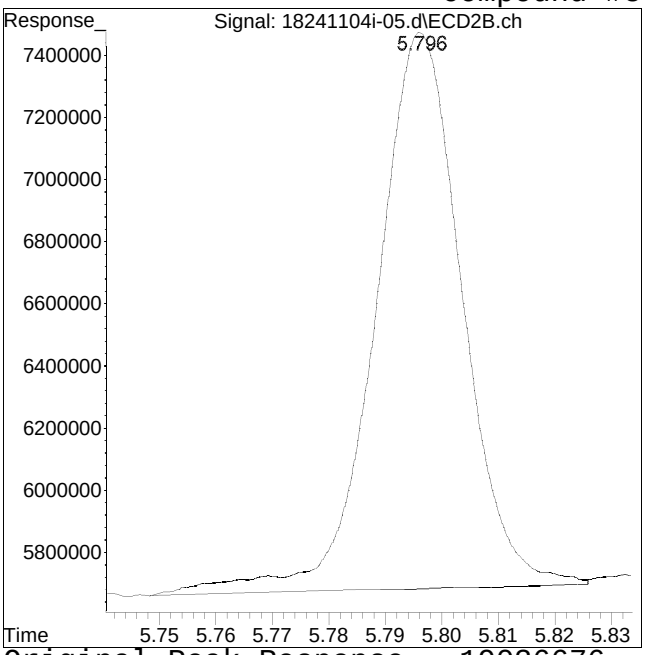


Original Peak Response = 4141447 Manual Peak Response = 4023934 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

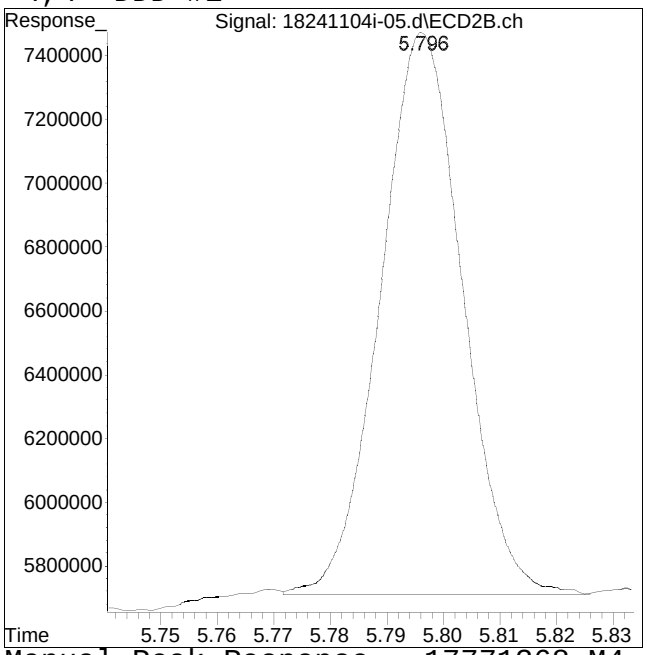
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 19036676



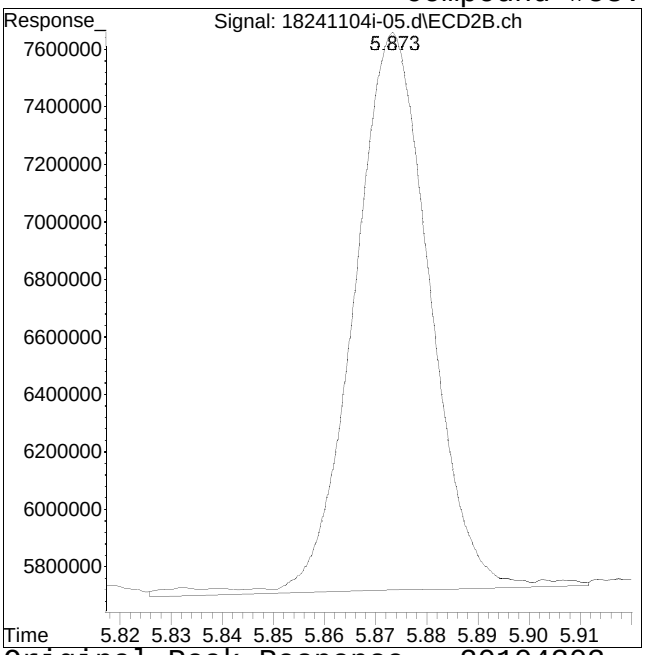
Manual Peak Response = 17771368 M4

M4 = Poor automated baseline construction.

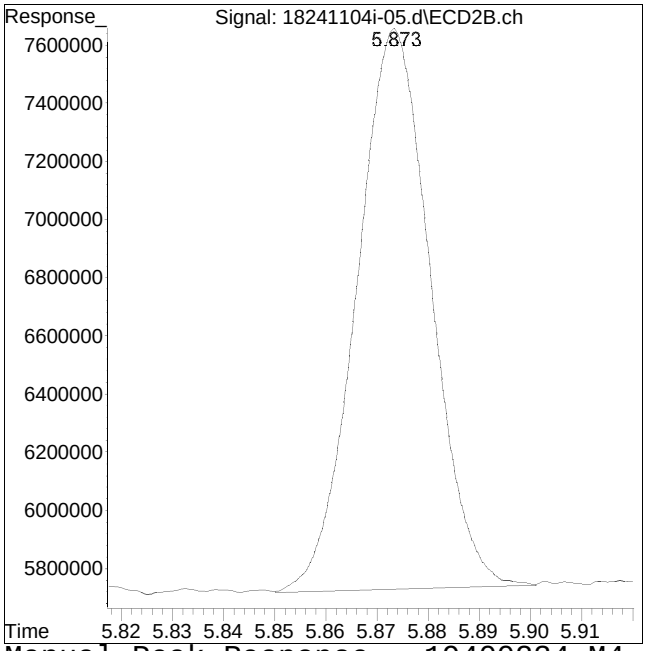
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-05.d
Date Inj'd : 11/4/2024 5:52 pm
Sample : il2pest,42e,,pp 11879 L0.0
Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 10:12 am

Compound #58: Endosulfan II #2



Original Peak Response = 20104303



Manual Peak Response = 19400234 M4

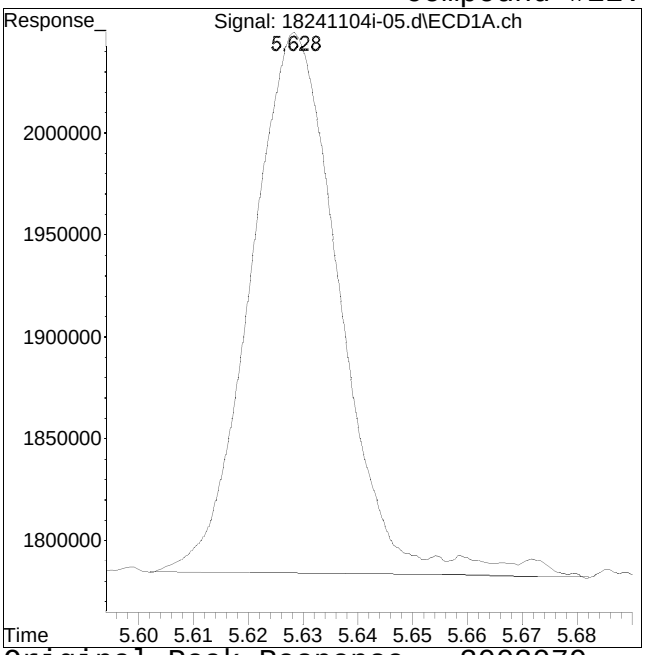
M4 = Poor automated baseline construction.

Manual Integration Report

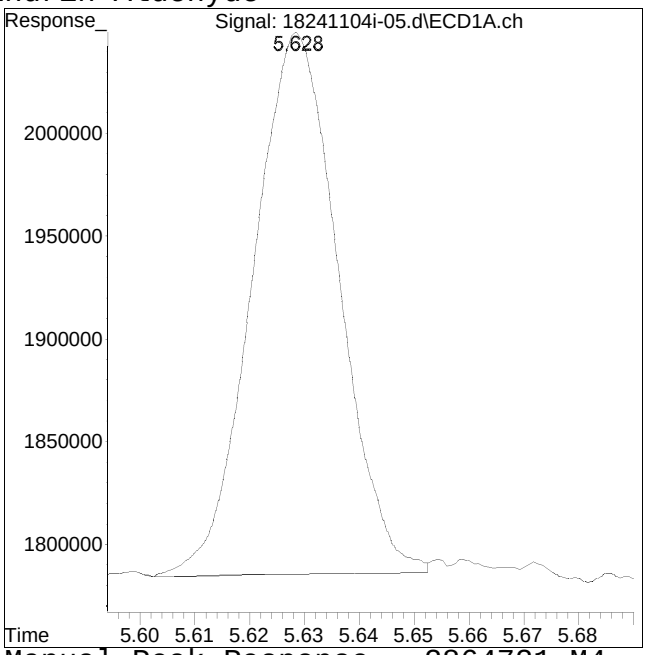
Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-05.d
Date Inj'd : 11/4/2024 5:52 pm
Sample : il2pest,42e,,pp 11879 L0.0

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 10:12 am

Compound #22: Endrin Aldehyde



Original Peak Response = 3003079



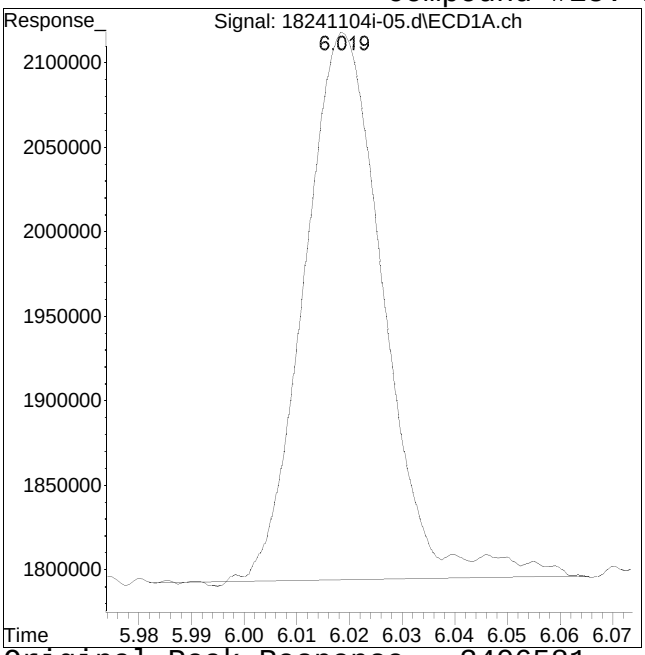
Manual Peak Response = 2864721 M4

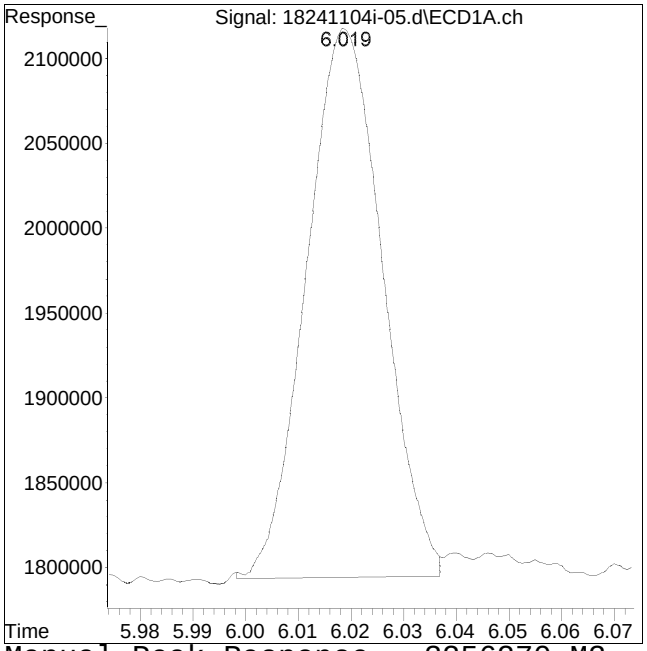
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-05.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 5:52 pm Instrument : Pest 18
Sample : il2pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:12 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 3406581 Manual Peak Response = 3256270 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\Pest18\2024\241104ICAL\
Data File : 18241104i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:04 pm
Operator : PEST18:kab
Sample : il3pest,42e,,pp 11879 L0.002
Misc : WG1993322, (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: Nov 05 10:09:42 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:09:34 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.780	1.878	66037146	414.8E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.226	2.457	7469396	38017699	2.290M4	2.191M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	4.58%#	4.38%#
27) s	Decachlorobi	7.050	7.691	9311177	37015227	2.570	2.646
	Spiked Amount	50.000	Range 30 - 150		Recovery =	5.14%#	5.29%#
	Target Compounds						
3)	Hexachlorobe	2.476	2.816	8696399	44878817	2.473M4	2.447
4)	alpha-BHC	2.592	2.925	8601437	51929248	2.095	2.129
5)	gamma-BHC (l	2.819	3.234	8098812	48058745	2.144M4	2.140
6)	beta-BHC	2.885	3.308	4707505	24775838	2.489M3	2.433
7)	delta-BHC	3.024	3.589	7873484	48070159	2.093	2.115M3
8)	Heptachlor	3.200	3.654	8537855	51319646	2.357M3	2.427
9)	Aldrin	3.460	3.987	8096907	45690078	2.218	2.306
10)	Alachlor	3.598	3.876	1334744	7181045	2.499M2	2.546
11)	Chlorpyrifos	3.697	4.242	4583355	27703192	2.616	2.783
12)	Heptachlor E	4.037	4.628	7994437	47048704	2.304M4	2.441
13)	gamma-Chlord	4.167	4.855	8108203	41490052	2.466	2.364M3
14)	alpha-Chlord	4.308	5.024	8588268	46944071	2.314	2.399

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:04 pm
Operator : PEST18:kab
Sample : il3pest,42e,,pp 11879 L0.002
Misc : WG1993322, (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: Nov 05 10:09:42 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:09:34 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	ug/l	ug/l
15)		4,4'-DDE	4.413	5.222	7826888	41526632	2.124	2.138
16)		Endosulfan I	4.448	5.084	7672165	44278636	2.287	2.425
17)		Dieldrin	4.718	5.377	8115758	42544371	2.304	2.250
18)		Endrin	4.974	5.674	7680168	43239408	2.178	2.261
19)		4,4'-DDD	5.086	5.797	6142548	35479627	2.120M4	2.201
20)		Endosulfan I	5.214	5.874	6801871	38380424	2.209	2.312
21)		4,4'-DDT	5.378	6.074	6840472	40661529	2.230	2.296
22)		Endrin Aldeh	5.630	6.171	6011625	32545180	2.239	2.248
23)		Methoxychlor	5.865	6.640	4309512	24964091	2.444	2.569
24)		Mirex	5.921	6.778	7287385	36827333	2.497	2.640
25)		Endosulfan S	6.019	6.400	6887740	38494593	2.326M3	2.315
26)		Endrin Keton	6.247	6.814	7930257	41738385	2.316	2.356
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:04 pm
Operator : PEST18:kab
Sample : il3pest,42e,,pp 11879 L0.002
Misc : WG1993322, (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: Nov 05 10:09:42 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:09:34 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	ug/l	ug/l

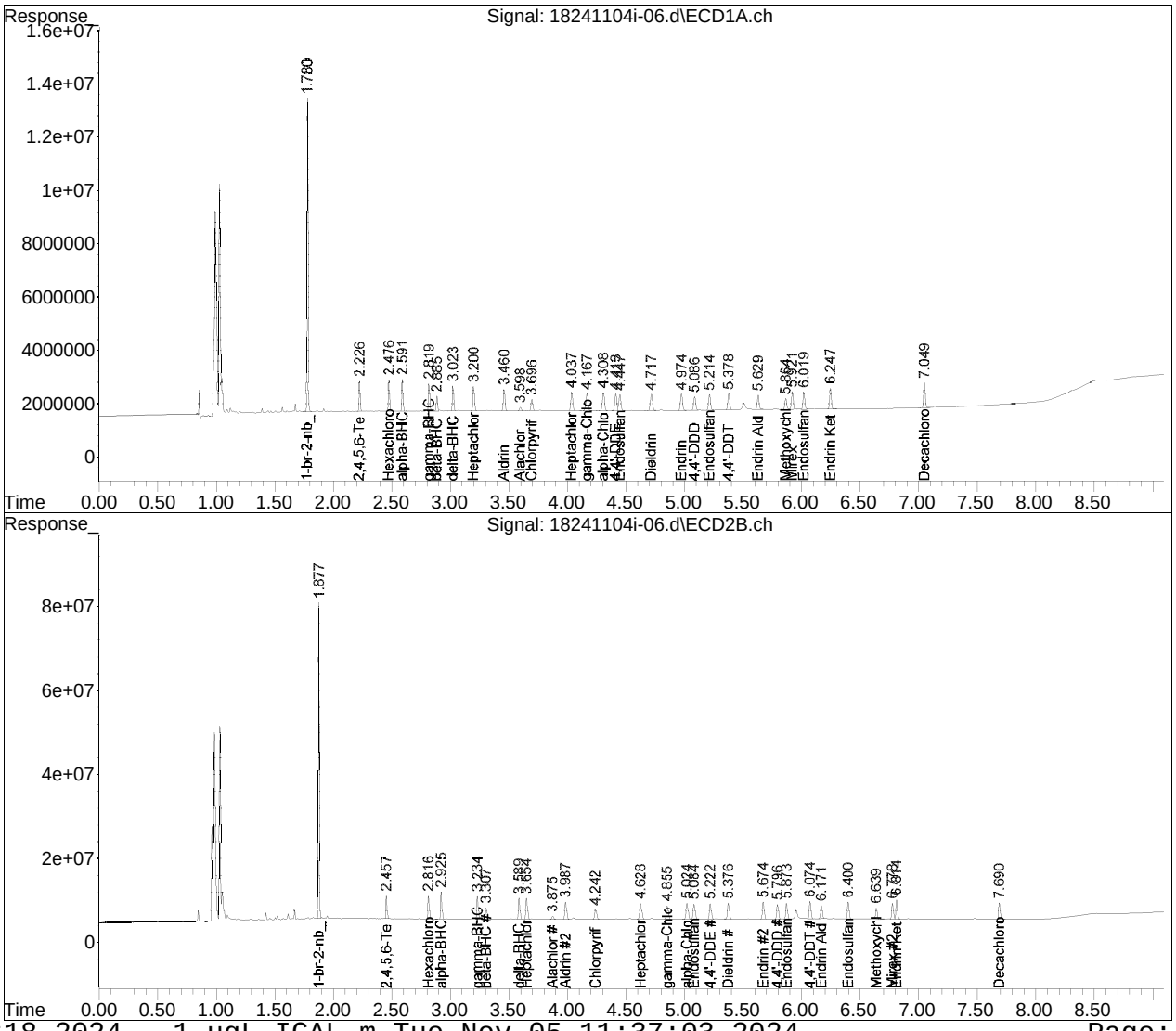
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:04 pm
Operator : PEST18:kab
Sample : il3pest,42e,,pp 11879 L0.002
Misc : WG1993322, (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: Nov 05 10:09:42 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:09:34 2024
Response via : Initial Calibration
Integrator: ChemStation

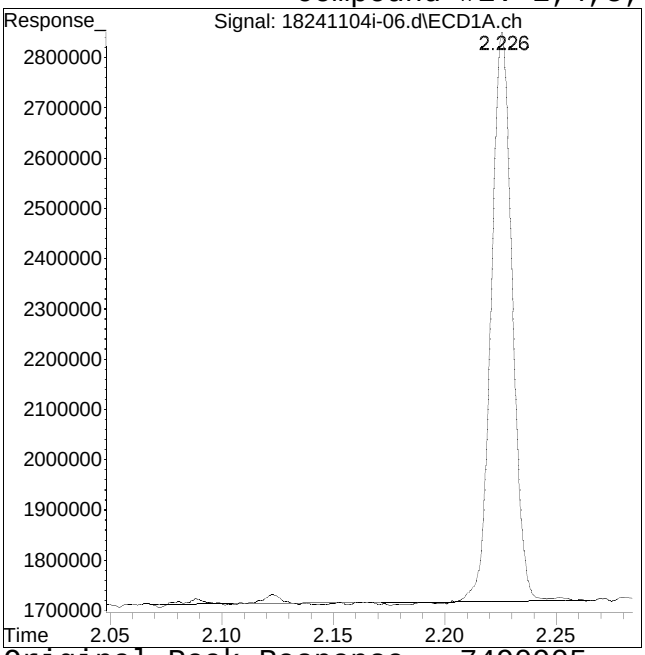
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

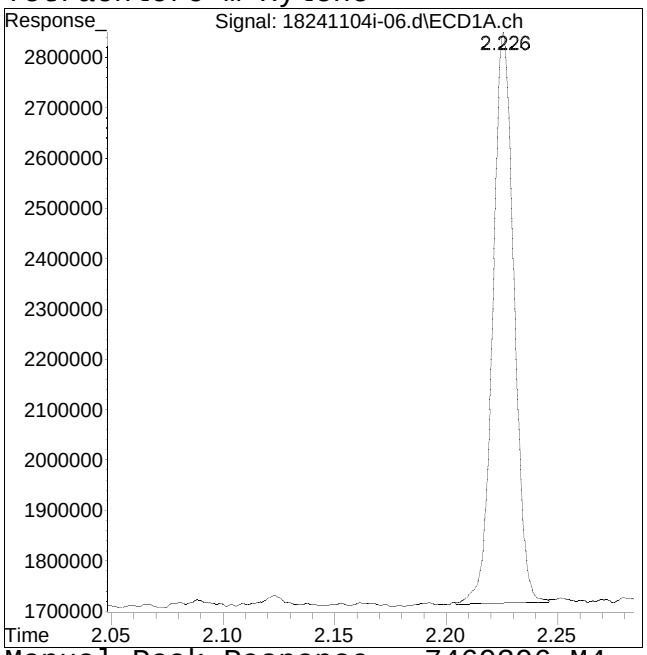


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





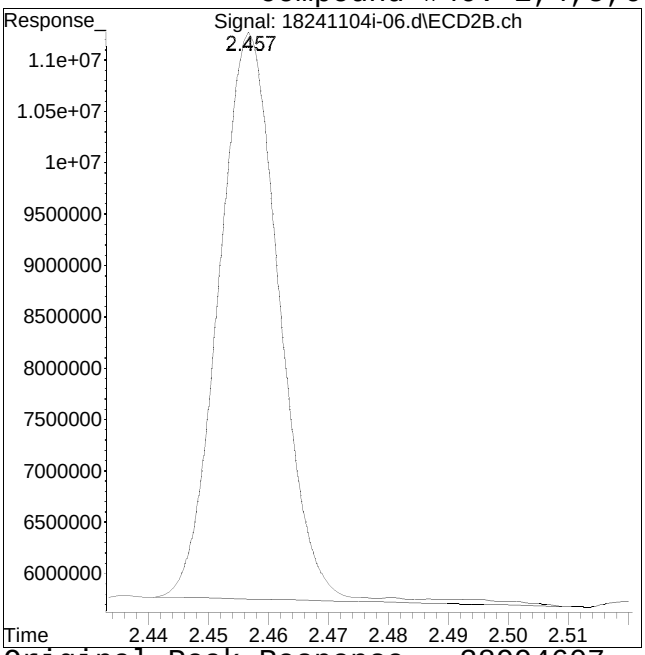
Original Peak Response = 7490905 Manual Peak Response = 7469396 M4
M4 = Poor automated baseline construction.

Manual Integration Report

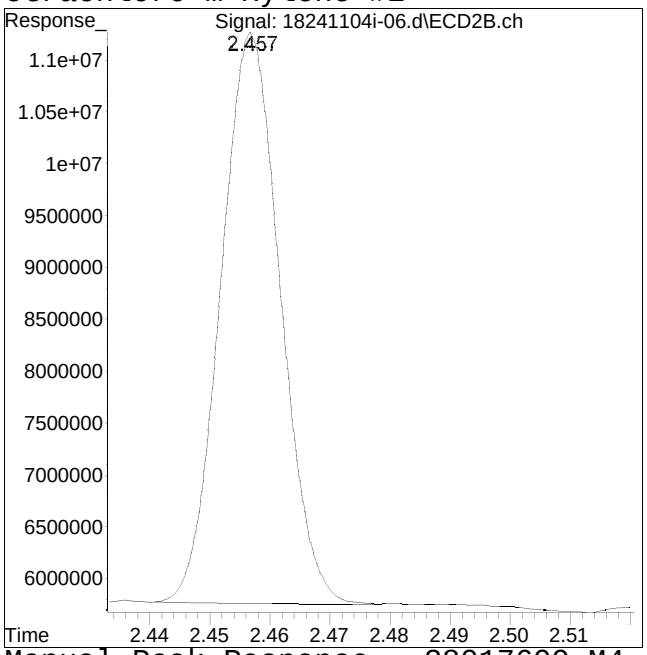
Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-06.d
Date Inj'd : 11/4/2024 6:04 pm
Sample : il3pest,42e,,pp 11879 L0.0

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 10:09 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 38994607



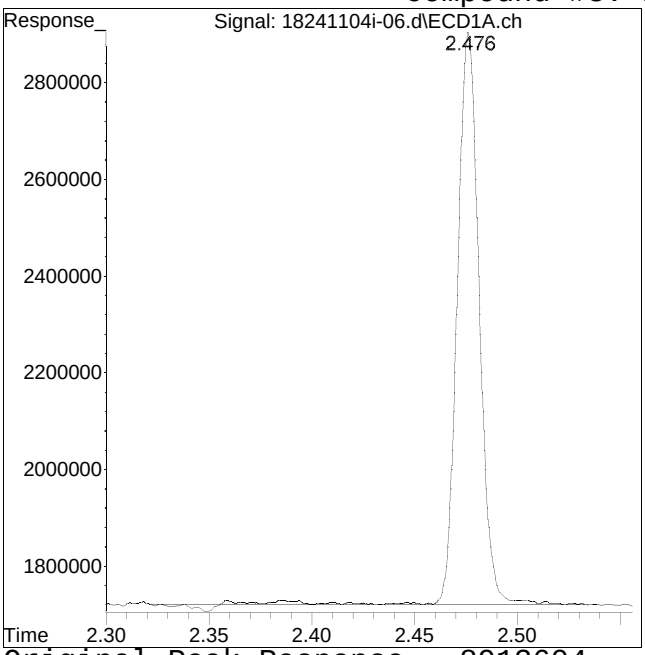
Manual Peak Response = 38017699 M4

M4 = Poor automated baseline construction.

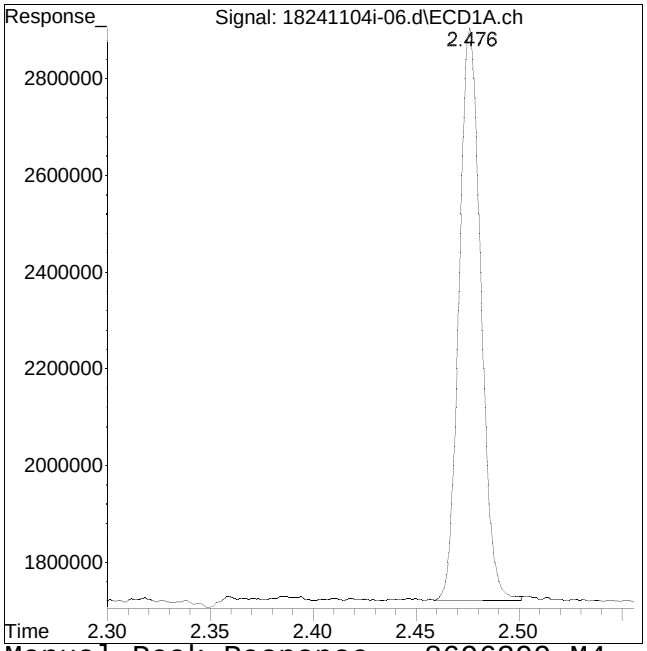
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #3: Hexachlorobenzene



Original Peak Response = 8913604



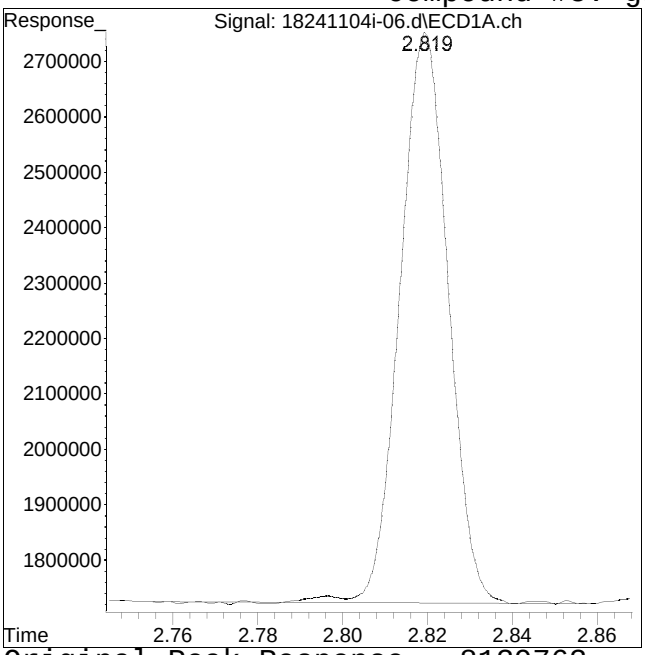
Manual Peak Response = 8696399 M4

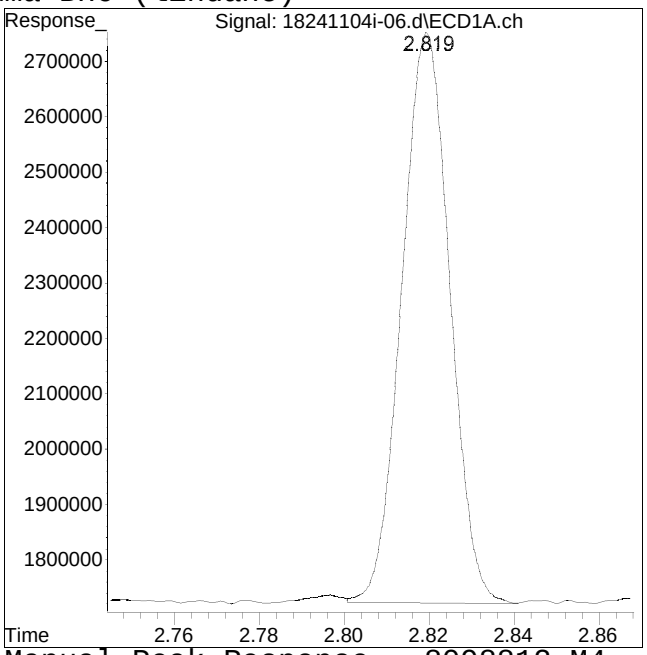
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #5: gamma-BHC (lindane)



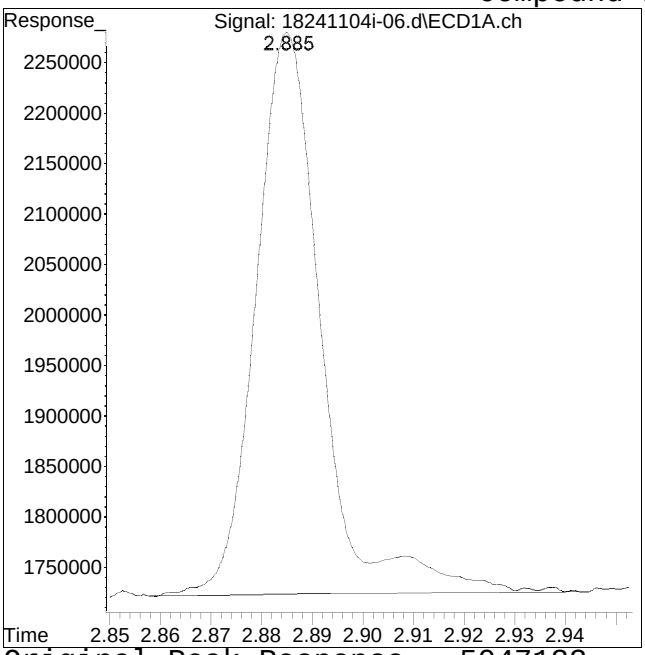


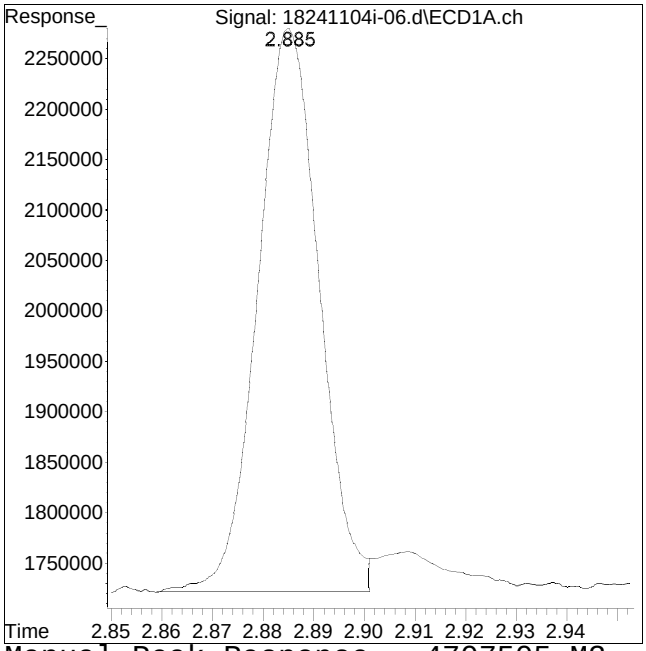
Original Peak Response = 8139763 Manual Peak Response = 8098812 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #6: beta-BHC



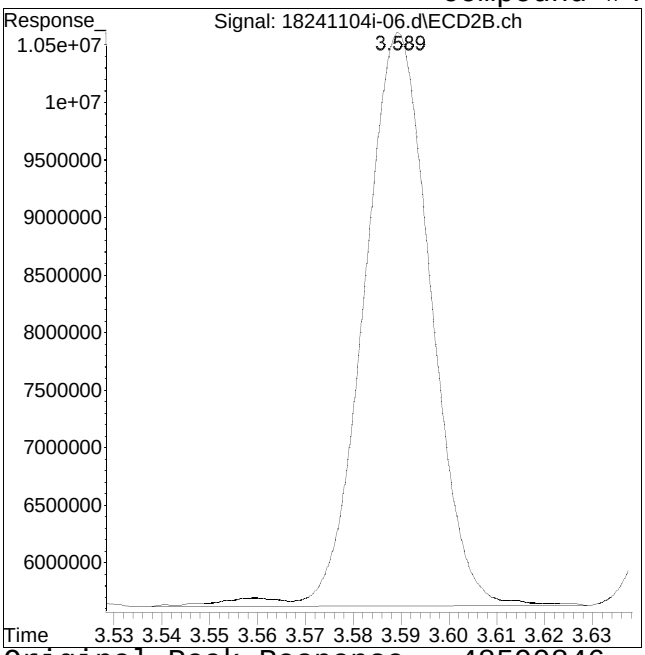


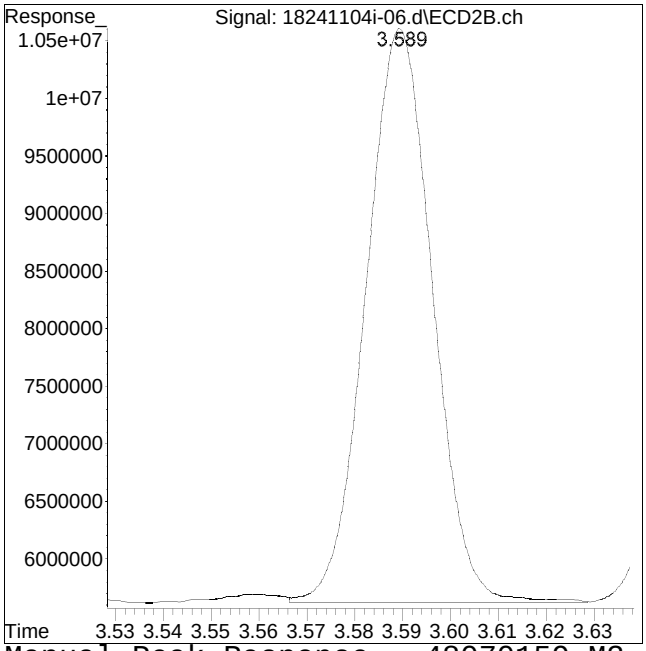
Original Peak Response = 5047133 Manual Peak Response = 4707505 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #45: delta-BHC #2



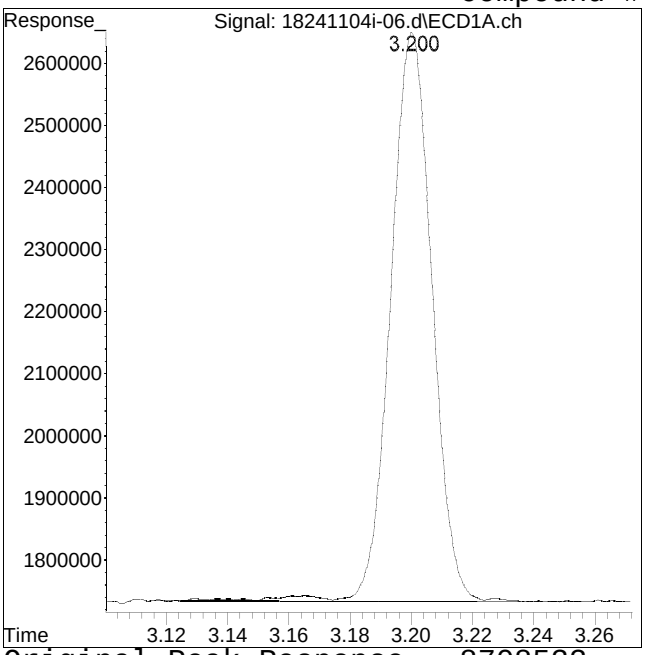


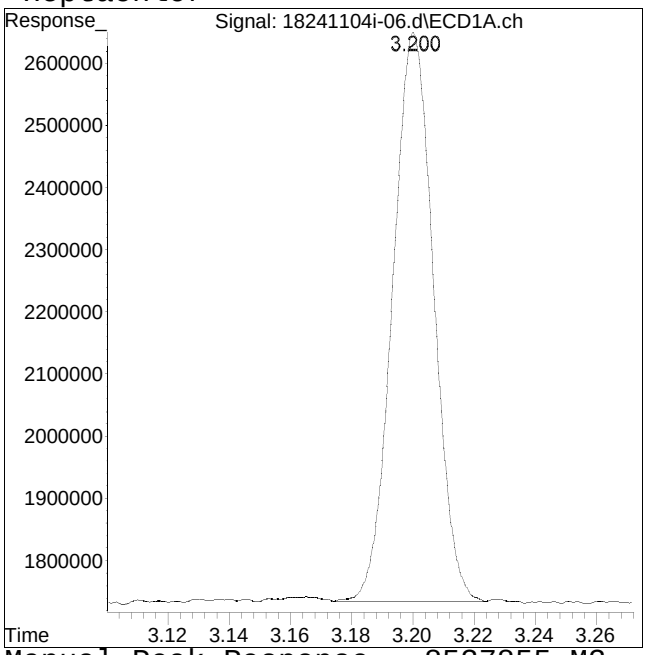
Original Peak Response = 48590846 Manual Peak Response = 48070159 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #8: Heptachlor



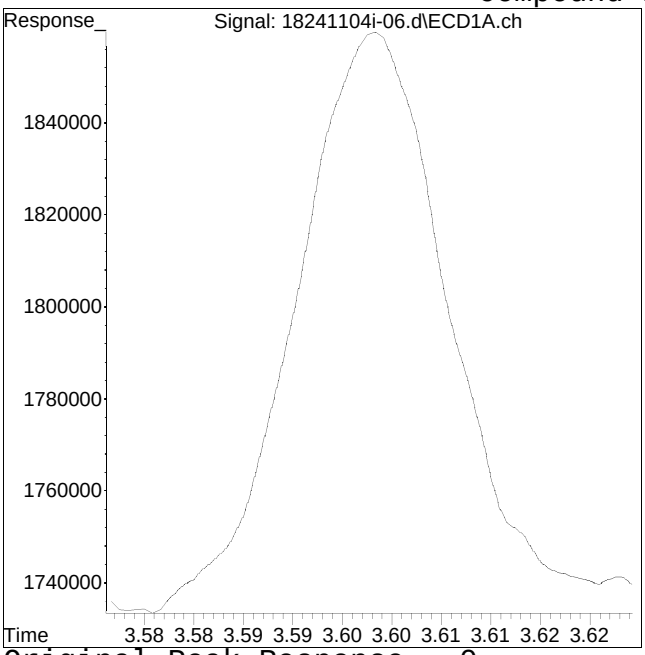


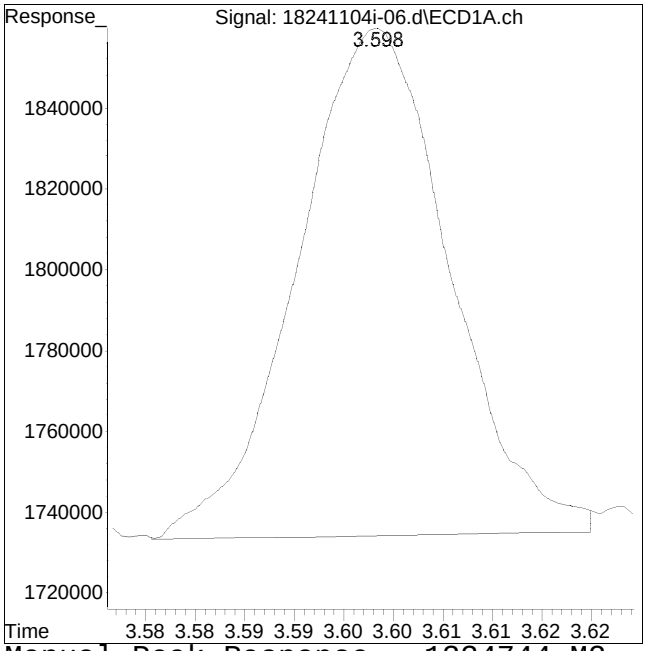
Original Peak Response = 8708533 Manual Peak Response = 8537855 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #10: Alachlor



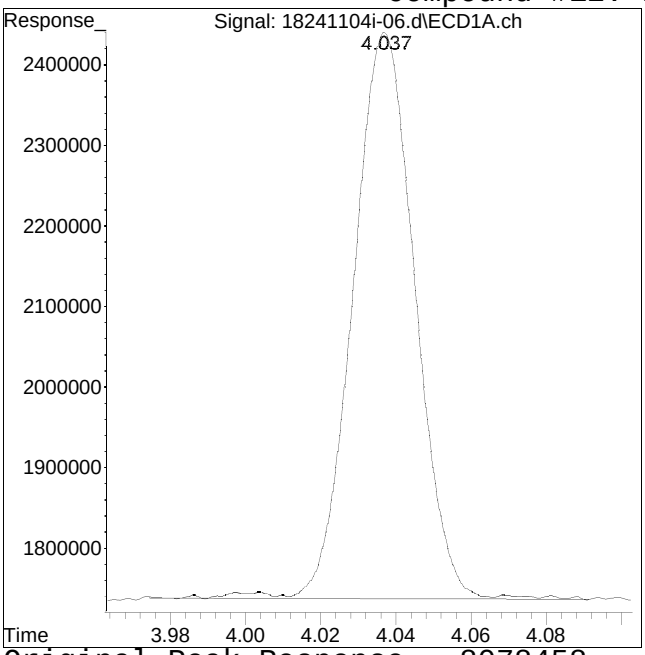


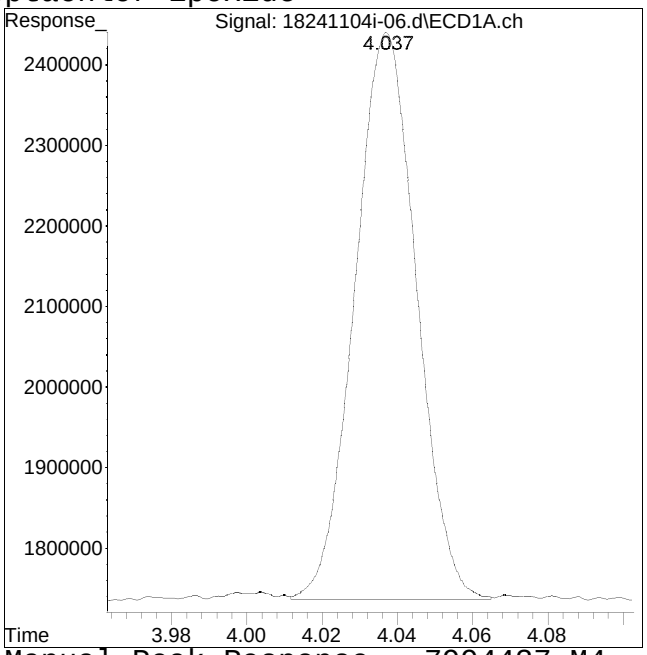
Original Peak Response = 0 Manual Peak Response = 1334744 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #12: Heptachlor Epoxide



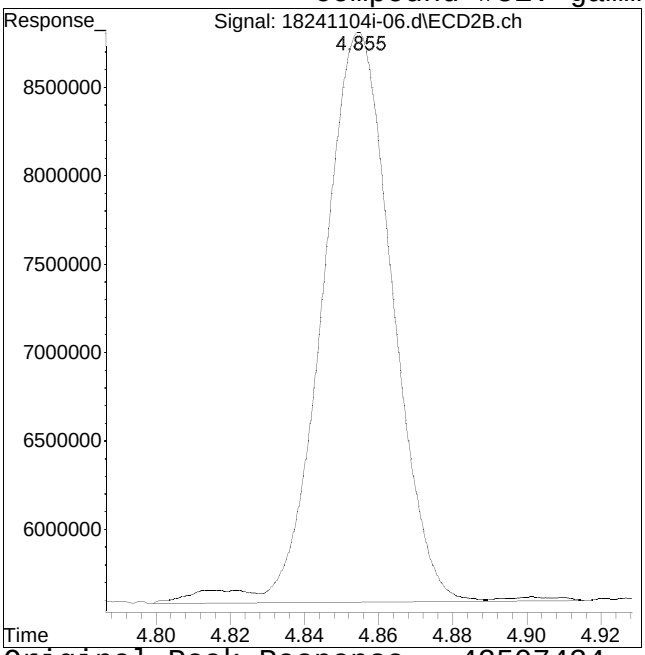


Original Peak Response = 8078458 Manual Peak Response = 7994437 M4
M4 = Poor automated baseline construction.

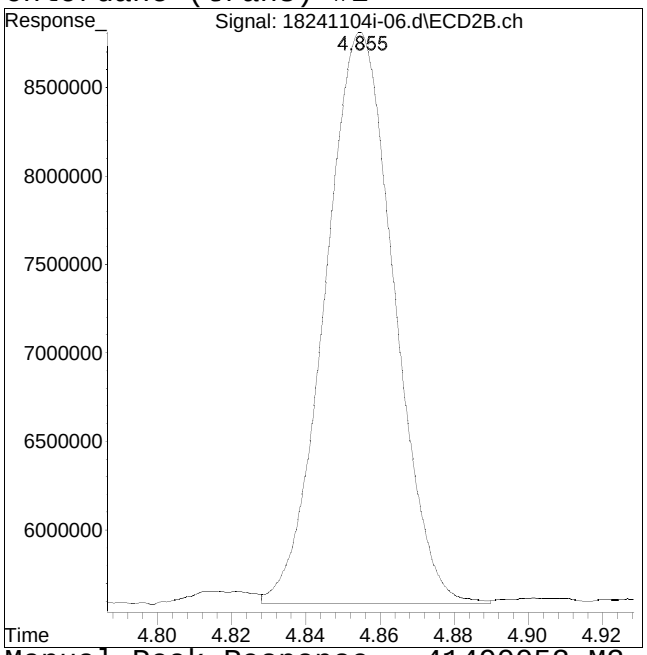
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 42507434



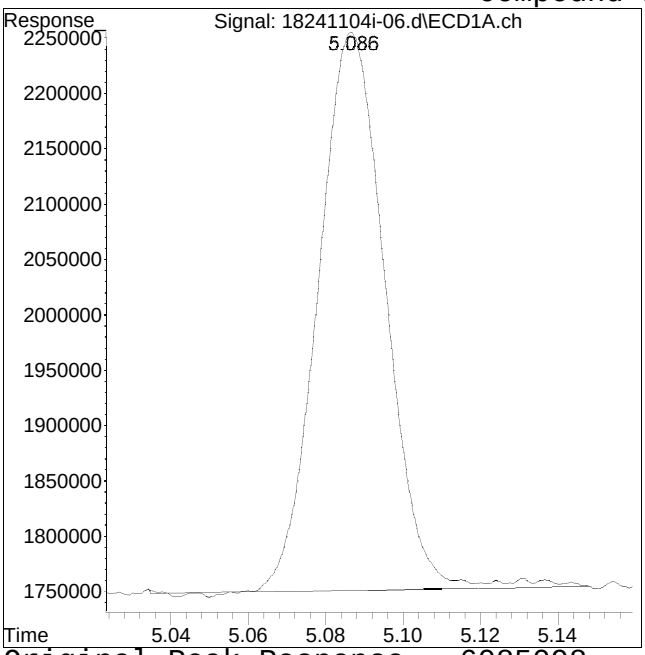
Manual Peak Response = 41490052 M3

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.

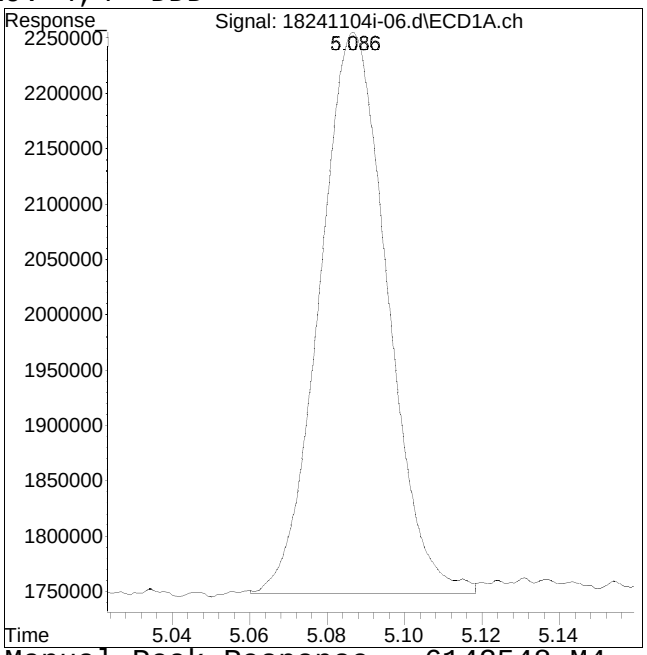
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #19: 4,4'-DDD



Original Peak Response = 6085098



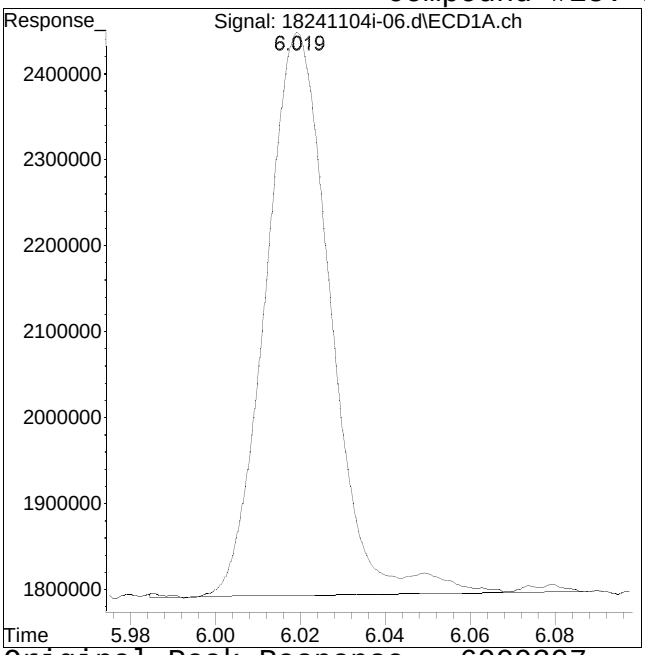
Manual Peak Response = 6142548 M4

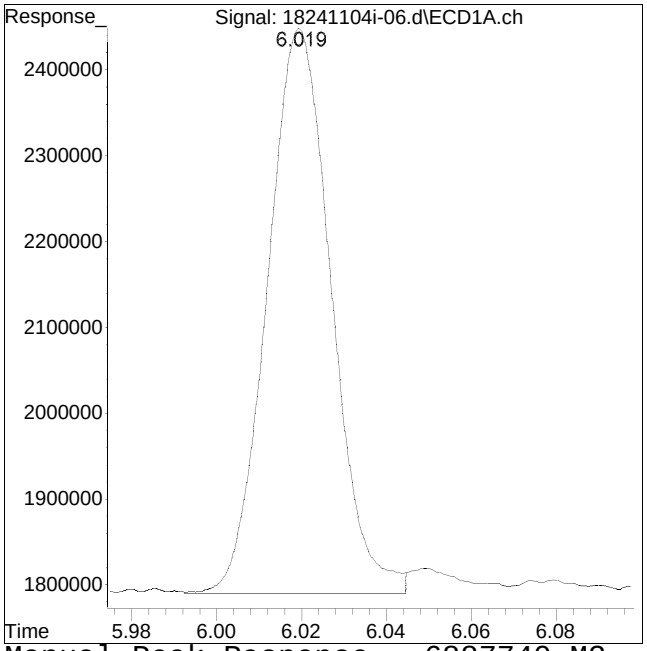
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-06.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:04 pm Instrument : Pest 18
Sample : il3pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 10:09 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 6999397 Manual Peak Response = 6887740 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\Pest18\2024\241104ICAL\
Data File : 18241104i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:16 pm
Operator : PEST18:kab
Sample : il4pest,42e,,pp 11879 L0.003
Misc : WG1993322, (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: Nov 05 09:58:26 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:57:58 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.780	1.878	66531157	449.2E6	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.225	2.457	10938918	60195286	3.391M4	3.240
	Spiked Amount 50.000	Range 30 - 150		Recovery =		6.78%#	6.48%#
27) s	Decachlorobi	7.049	7.692	13404717	50360999	3.815	3.385
	Spiked Amount 50.000	Range 30 - 150		Recovery =		7.63%#	6.77%#
	Target Compounds						
3)	Hexachlorobe	2.475	2.816	12612114	68229255	3.674M4	3.520
4)	alpha-BHC	2.591	2.925	12690862	75065938	3.079	2.817
5)	gamma-BHC (l	2.818	3.234	12096094	71564506	3.209M3	2.934
6)	beta-BHC	2.884	3.307	6756415	35992338	3.657M3	3.312
7)	delta-BHC	3.023	3.589	11635197	68246398	3.082	2.738
8)	Heptachlor	3.199	3.653	12072933	69526523	3.366M4	3.042
9)	Aldrin	3.459	3.987	11604968	62642088	3.182	2.906
10)	Alachlor	3.596	3.874	1908127	10708705	3.657M4	3.607
11)	Chlorpyrifos	3.696	4.241	6734709	38340103	3.996	3.669
12)	Heptachlor E	4.036	4.627	11592167	64091436	3.375M4	3.082
13)	gamma-Chlord	4.167	4.854	11337650	56262006	3.505	2.953
14)	alpha-Chlord	4.307	5.023	12520991	63703951	3.414	3.007
15)	4,4'-DDE	4.412	5.221	11630382	59276079	3.156	2.790

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:16 pm
Operator : PEST18:kab
Sample : il4pest,42e,,pp 11879 L0.003
Misc : WG1993322, (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: Nov 05 09:58:26 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:57:58 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	ug/l	ug/l
16)	Endosulfan I	4.447	5.083	11236953	61288839	3.386	3.116
17)	Dieldrin	4.717	5.376	11635999	59925209	3.330	2.915
18)	Endrin	4.973	5.673	11464102	61172709	3.269	2.945
19)	4,4'-DDD	5.086	5.796	9226081	50784072	3.188	2.895
20)	Endosulfan I	5.213	5.873	10187744	53830212	3.336	2.993
21)	4,4'-DDT	5.377	6.073	10000599	55335996	3.279	2.867
22)	Endrin Aldeh	5.629	6.170	8824491	47225529	3.310M4	3.015M4
23)	Methoxychlor	5.864	6.639	6418682	34193036	3.740	3.294
24)	Mirex	5.921	6.777	10760592	50978725	3.799	3.446
25)	Endosulfan S	6.018	6.399	10171280	54051581	3.489M3	3.002
26)	Endrin Keton	6.246	6.813	11511576	58660205	3.401	3.067
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:16 pm
Operator : PEST18:kab
Sample : il4pest,42e,,pp 11879 L0.003
Misc : WG1993322, (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: Nov 05 09:58:26 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:57:58 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	ug/l	ug/l

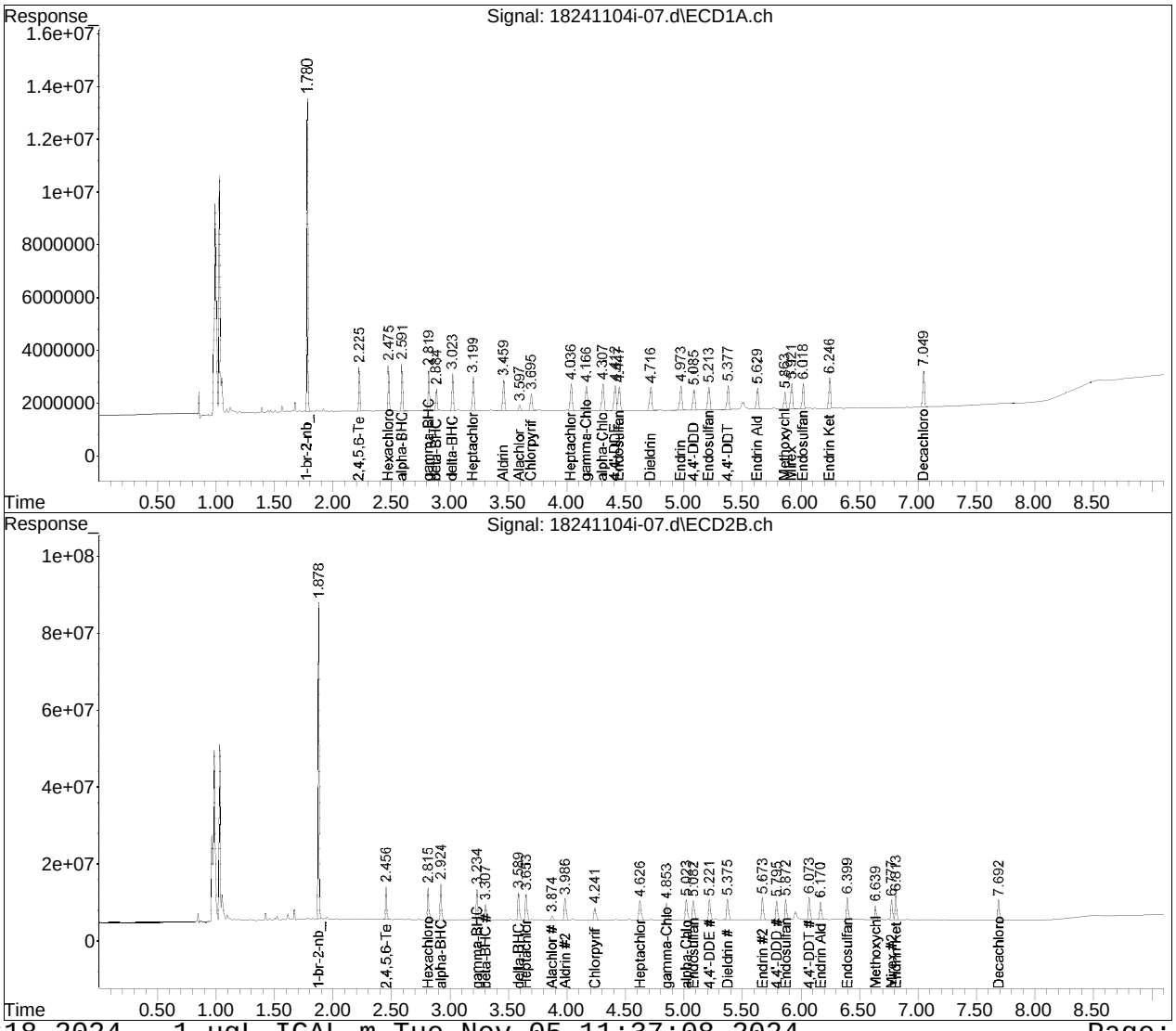
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:16 pm
Operator : PEST18:kab
Sample : il4pest,42e,,pp 11879 L0.003
Misc : WG1993322, (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: Nov 05 09:58:26 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:57:58 2024
Response via : Initial Calibration
Integrator: ChemStation

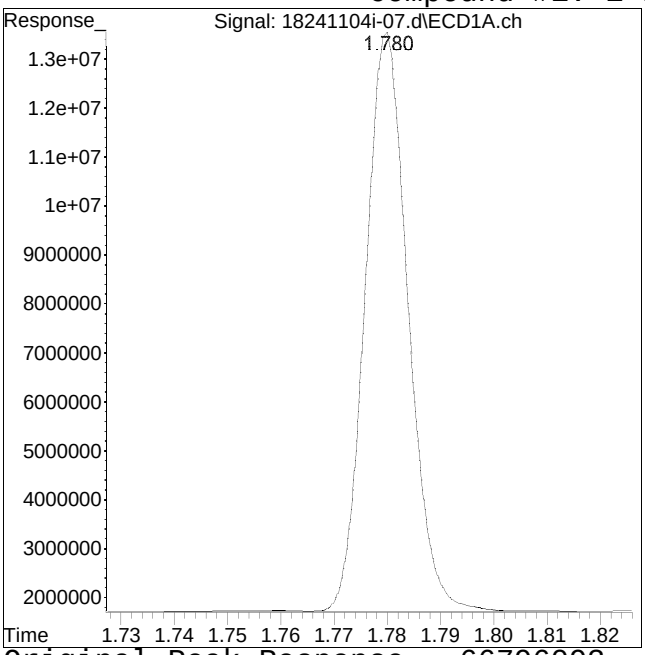
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



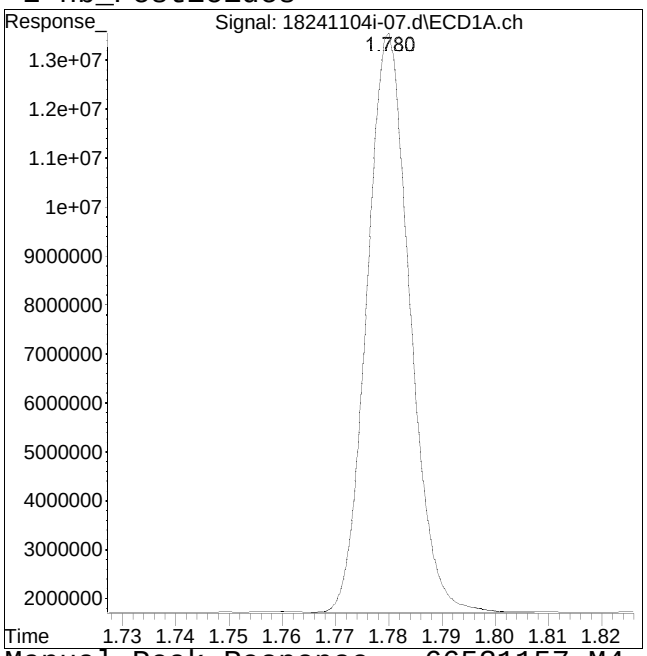
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-07.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:16 pm Instrument : Pest 18
Sample : il4pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:58 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 66796093



Manual Peak Response = 66531157 M4

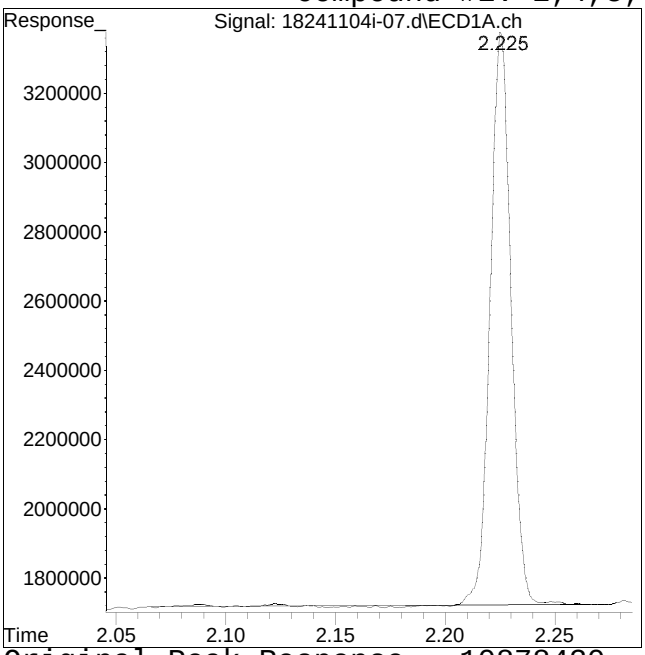
M4 = Poor automated baseline construction.

Manual Integration Report

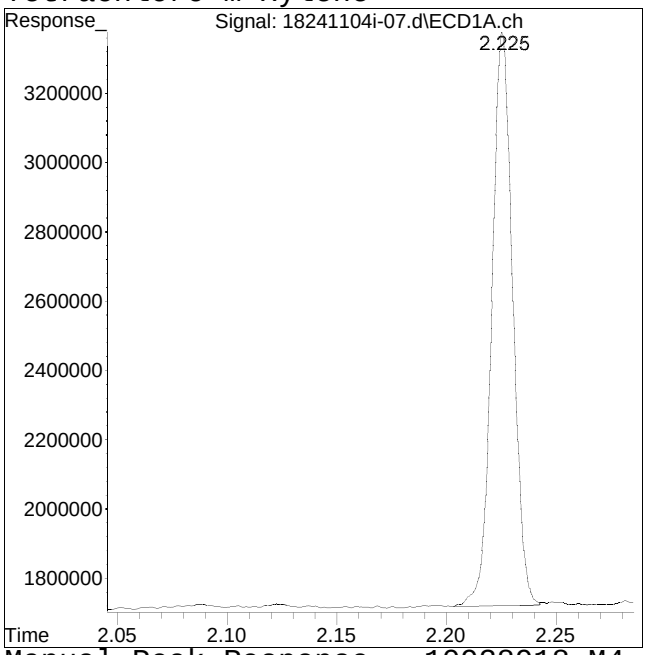
Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-07.d
Date Inj'd : 11/4/2024 6:16 pm
Sample : il4pest,42e,,pp 11879 L0.0

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 9:58 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 10878430



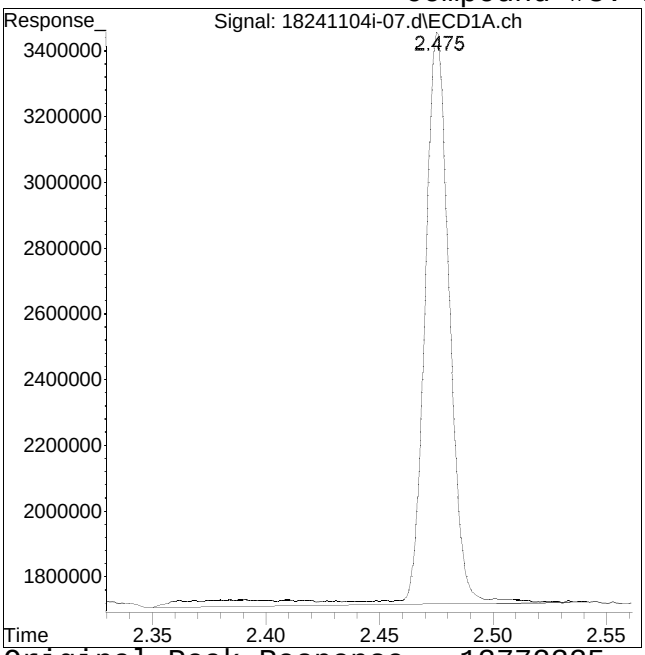
Manual Peak Response = 10938918 M4

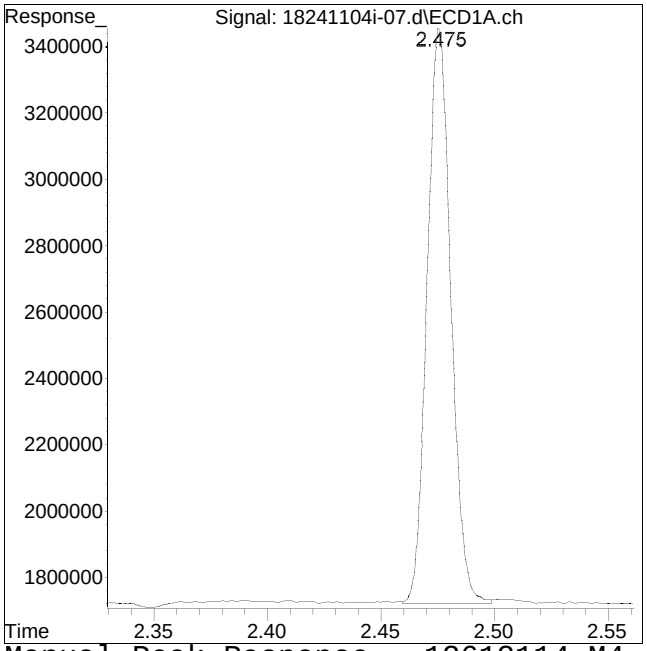
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-07.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:16 pm Instrument : Pest 18
Sample : il4pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:58 am

Compound #3: Hexachlorobenzene





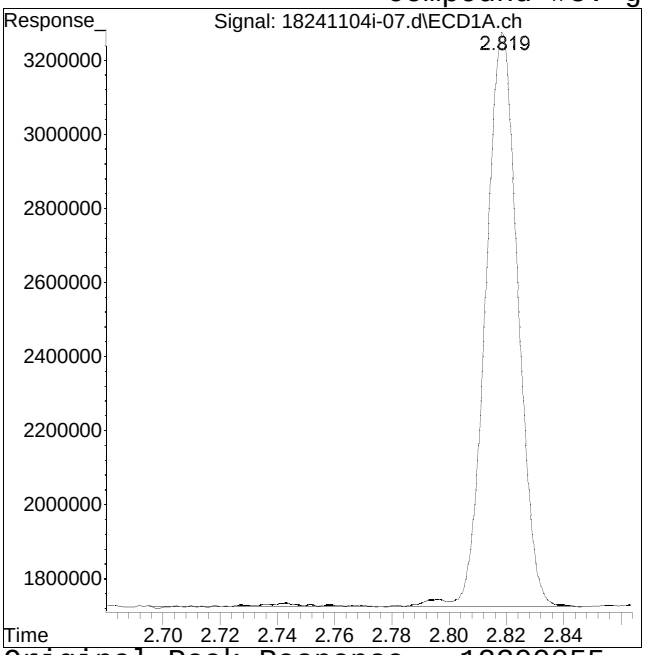
Original Peak Response = 13772335 Manual Peak Response = 12612114 M4
M4 = Poor automated baseline construction.

Manual Integration Report

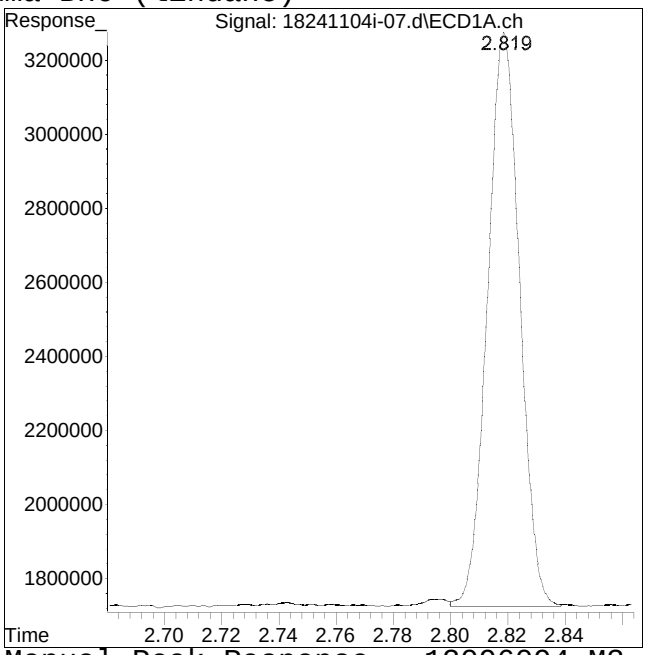
Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-07.d
Date Inj'd : 11/4/2024 6:16 pm
Sample : il4pest,42e,,pp 11879 L0.0

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 9:58 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 12300055



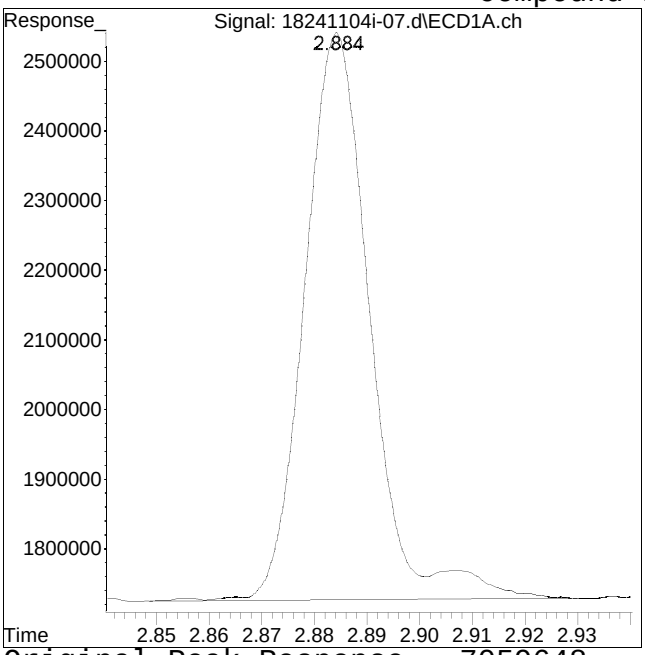
Manual Peak Response = 12096094 M3

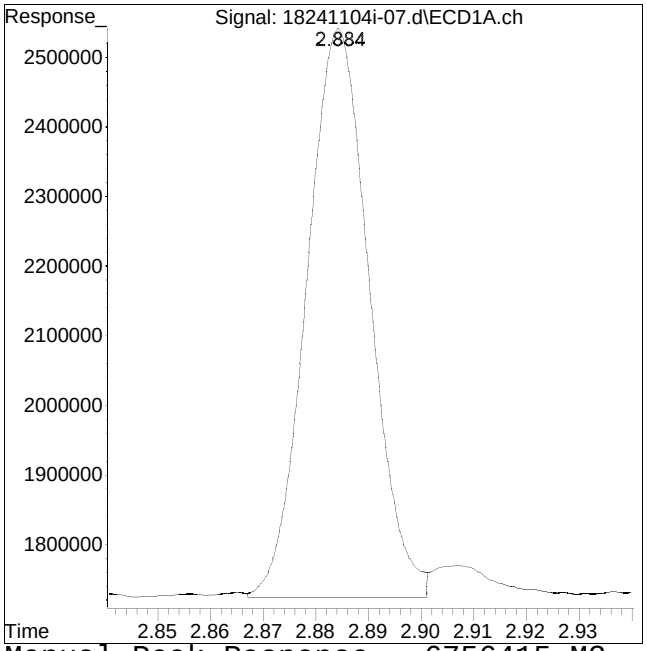
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-07.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:16 pm Instrument : Pest 18
Sample : il4pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:58 am

Compound #6: beta-BHC



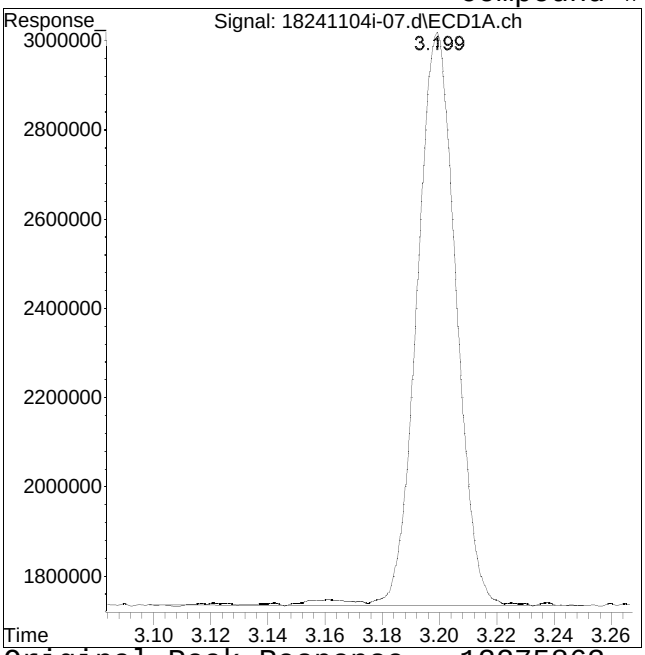


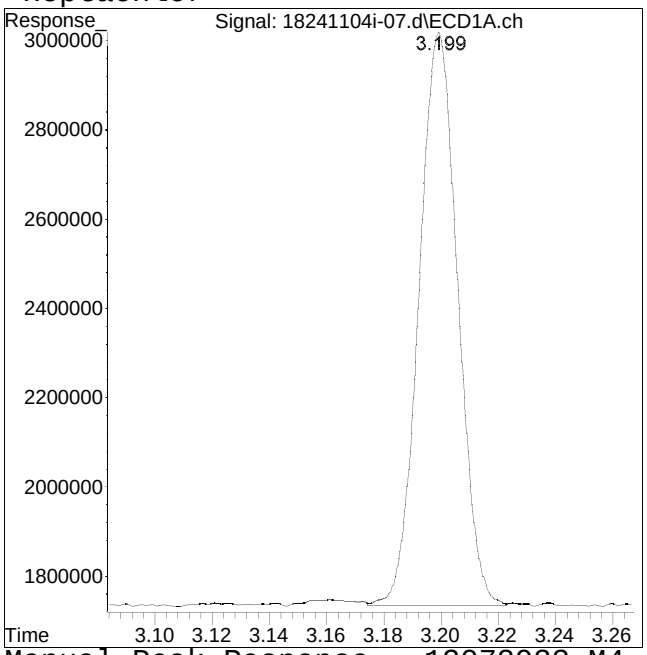
Original Peak Response = 7059648 Manual Peak Response = 6756415 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-07.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:16 pm Instrument : Pest 18
Sample : il4pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:58 am

Compound #8: Heptachlor



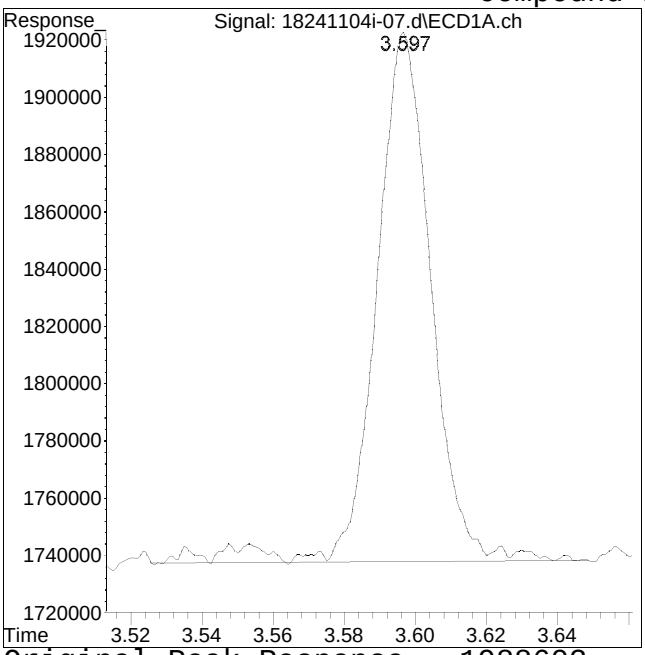


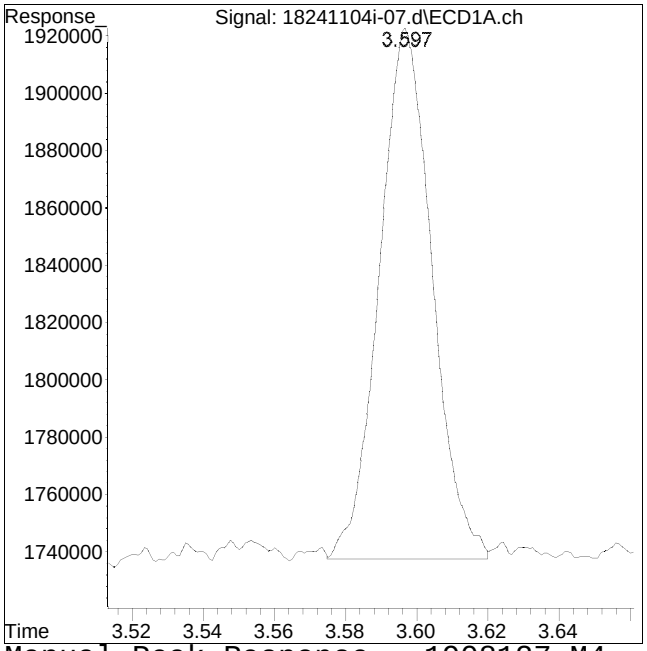
Original Peak Response = 12275863 Manual Peak Response = 12072933 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-07.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:16 pm Instrument : Pest 18
Sample : il4pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:58 am

Compound #10: Alachlor



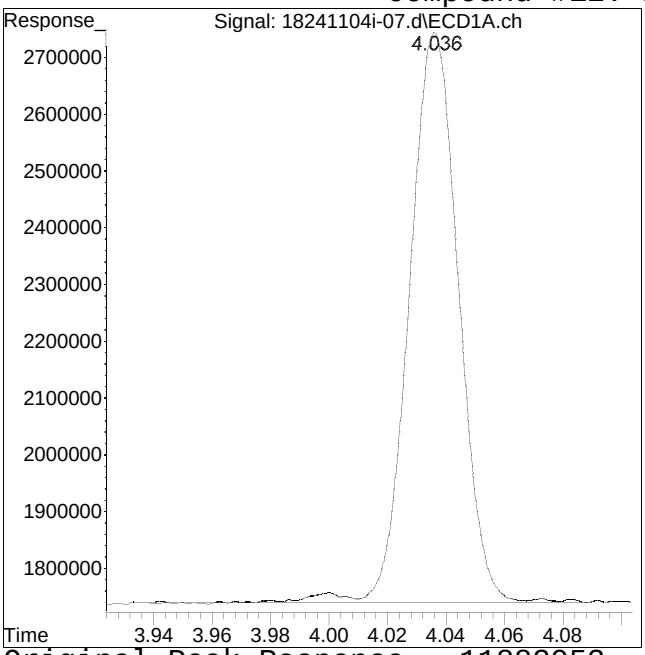


Original Peak Response = 1988603 Manual Peak Response = 1908127 M4
M4 = Poor automated baseline construction.

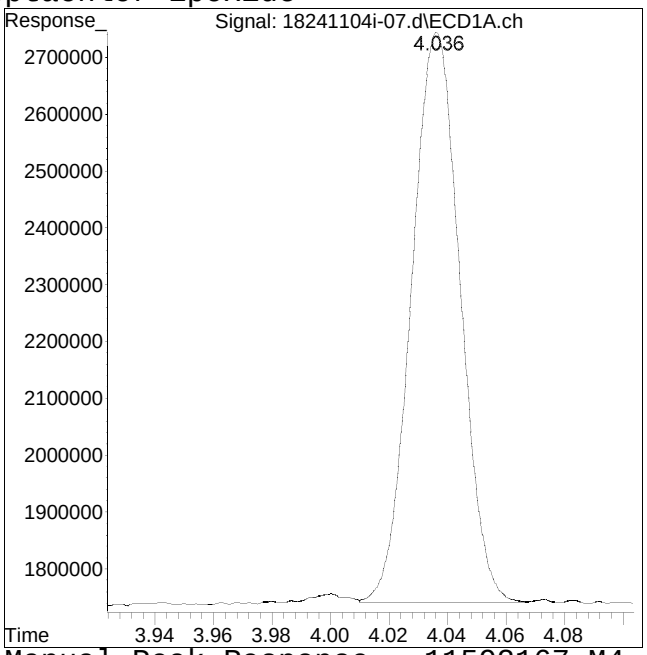
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-07.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:16 pm Instrument : Pest 18
Sample : il4pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:58 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 11882953



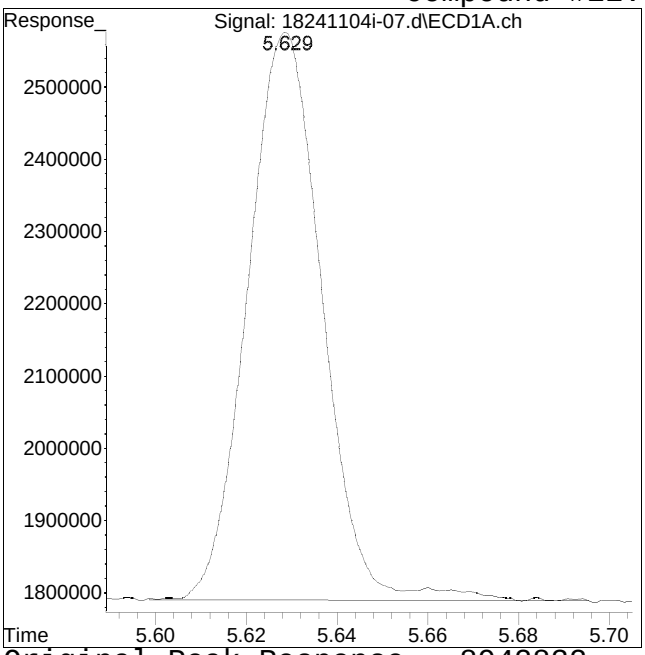
Manual Peak Response = 11592167 M4

M4 = Poor automated baseline construction.

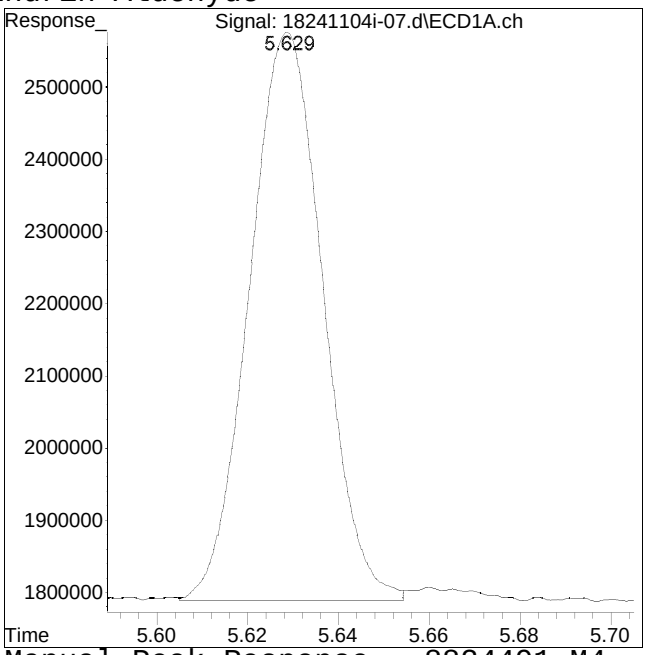
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-07.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:16 pm Instrument : Pest 18
Sample : il4pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:58 am

Compound #22: Endrin Aldehyde



Original Peak Response = 8942832



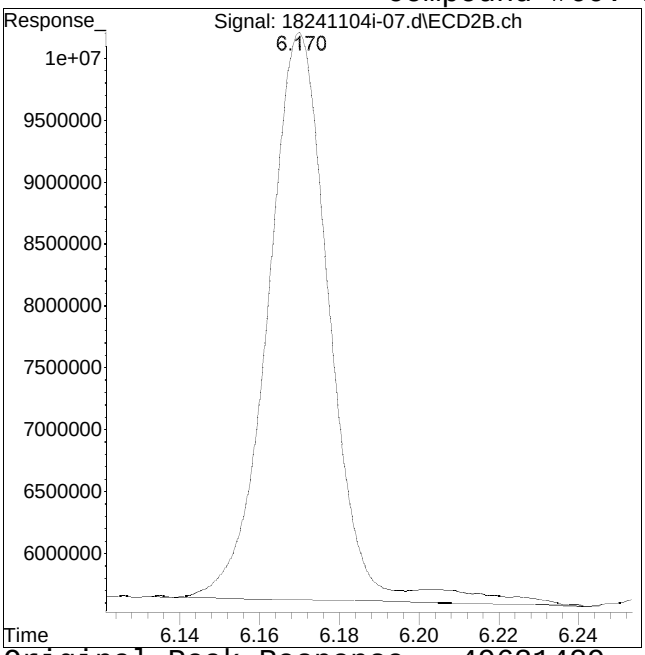
Manual Peak Response = 8824491 M4

M4 = Poor automated baseline construction.

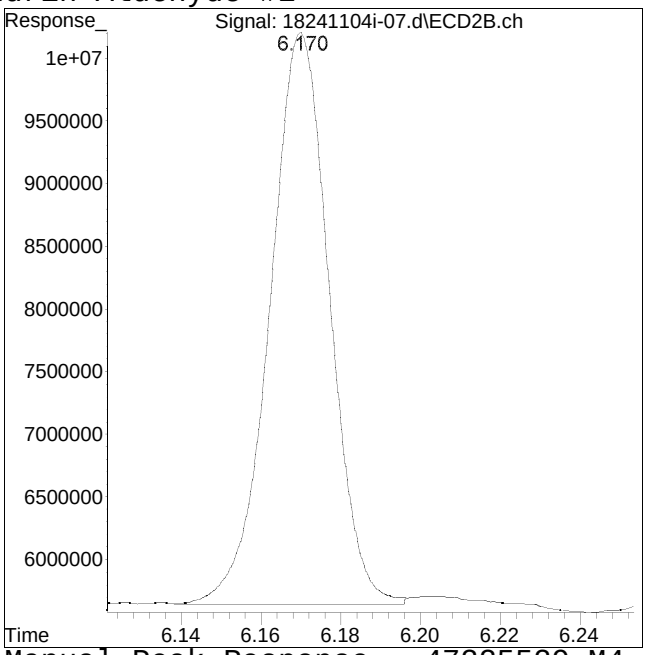
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-07.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:16 pm Instrument : Pest 18
Sample : il4pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:58 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 49631429



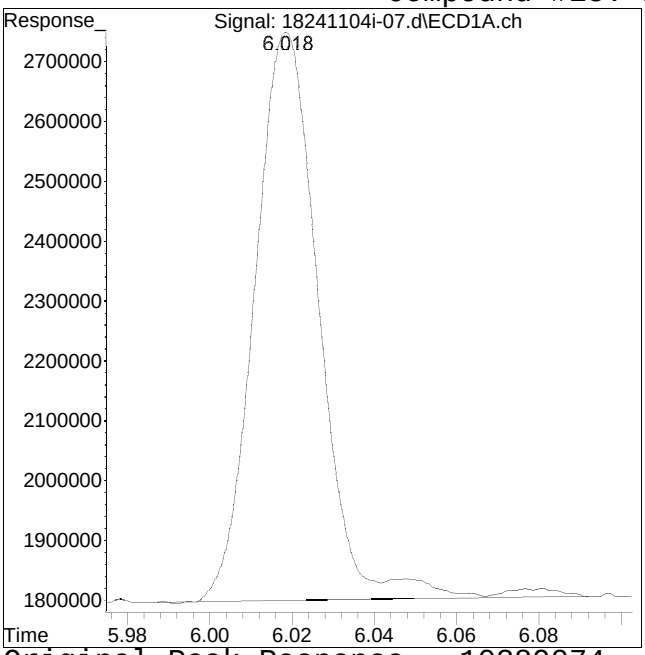
Manual Peak Response = 47225529 M4

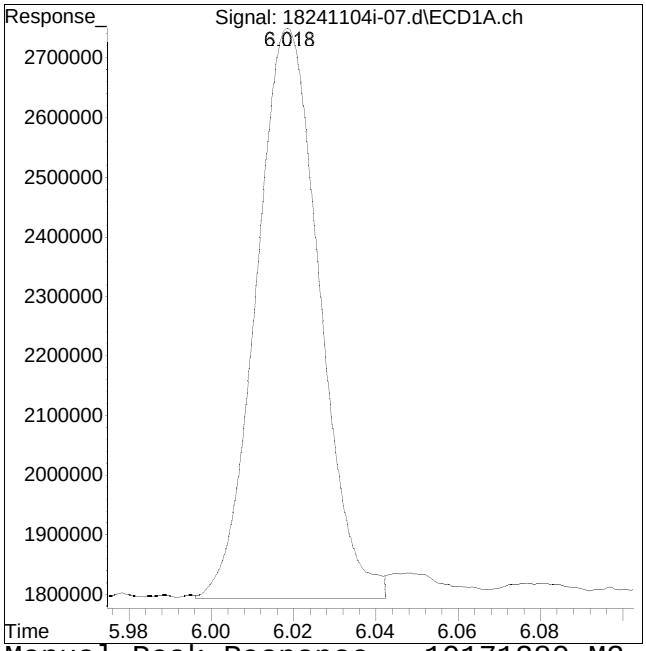
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-07.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:16 pm Instrument : Pest 18
Sample : il4pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:58 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 10389074 Manual Peak Response = 10171280 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\Pest18\2024\241104ICAL\
Data File : 18241104i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:28 pm
Operator : PEST18:kab
Sample : il5pest,42e,,pp 11879 L0.004
Misc : WG1993322, (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: Nov 05 09:55:24 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:55:16 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.780	1.878	68066653	442.1E6	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.226	2.458	14935196	82583846	4.648	4.636
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.30%#	9.27%#
27) s	Decachlorobi	7.048	7.691	17853074	71142498	5.219	5.076
	Spiked Amount 50.000	Range 30 - 150		Recovery =		10.44%#	10.15%#
	Target Compounds						
3)	Hexachlorobe	2.476	2.817	16968593	90210009	5.041	4.909
4)	alpha-BHC	2.591	2.926	17345298	106.1E6	4.137	4.053
5)	gamma-BHC (l	2.818	3.235	16379019	100.6E6	4.301M3	4.231
6)	beta-BHC	2.884	3.308	9025897	50831084	4.941M3	4.938
7)	delta-BHC	3.023	3.590	15823399	99777107	4.117	4.081M3
8)	Heptachlor	3.199	3.654	16335171	100.9E6	4.555M3	4.598
9)	Aldrin	3.459	3.988	15651412	91795484	4.237	4.398
10)	Alachlor	3.597	3.875	2574960	14779134	5.031	5.341
11)	Chlorpyrifos	3.695	4.243	8911532	54859405	5.488	5.716
12)	Heptachlor E	4.036	4.628	15626543	94049496	4.548M3	4.736
13)	gamma-Chlord	4.166	4.854	14786233	83026145	4.574	4.525
14)	alpha-Chlord	4.307	5.024	16646105	94276817	4.536	4.643
15)	4,4'-DDE	4.412	5.222	15587191	86965672	4.162	4.193
16)	Endosulfan I	4.447	5.084	14964880	88214544	4.499	4.688
17)	Dieldrin	4.716	5.377	15314704	87209006	4.346	4.378

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:28 pm
Operator : PEST18:kab
Sample : il5pest,42e,,pp 11879 L0.004
Misc : WG1993322, (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: Nov 05 09:55:24 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:55:16 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	ug/l	ug/l
18)	Endrin	4.973	5.674	15378171	89272116	4.348	4.450
19)	4,4'-DDD	5.086	5.797	12281930	72748964	4.180	4.259
20)	Endosulfan I	5.213	5.873	13492221	78092538	4.389	4.505
21)	4,4'-DDT	5.377	6.074	13264061	80880957	4.305	4.313
22)	Endrin Aldeh	5.628	6.171	11673978	68956973	4.341M4	4.581
23)	Methoxychlor	5.863	6.640	8430766	48462584	5.002	4.928
24)	Mirex	5.920	6.778	14088642	72179558	5.081	5.207
25)	Endosulfan S	6.018	6.400	13442600	78011087	4.625M3	4.494
26)	Endrin Keton	6.246	6.814	15562479	83802475	4.608	4.556
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:28 pm
Operator : PEST18:kab
Sample : il5pest,42e,,pp 11879 L0.004
Misc : WG1993322, (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: Nov 05 09:55:24 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:55:16 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	ug/l	ug/l

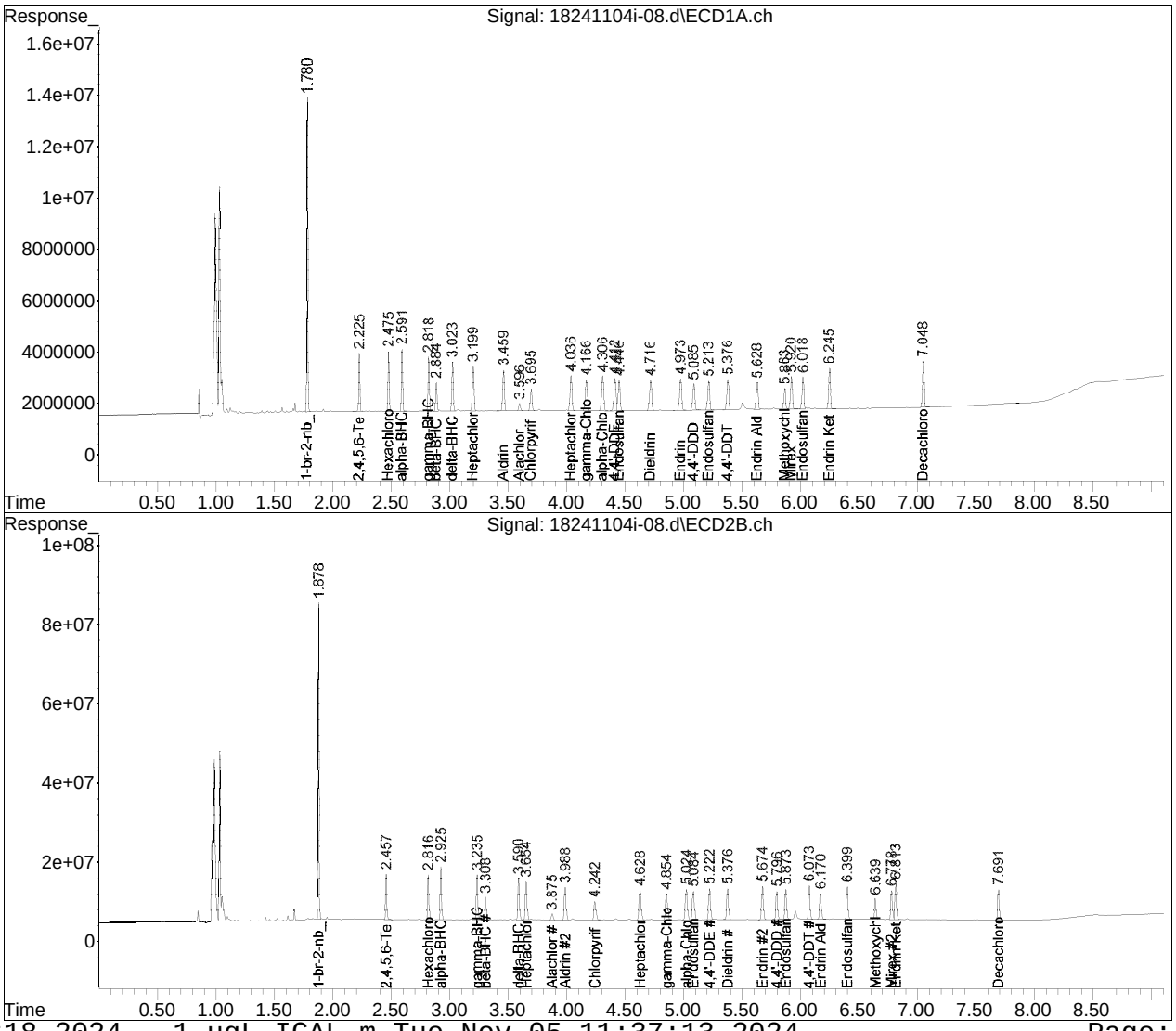
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:28 pm
Operator : PEST18:kab
Sample : il5pest,42e,,pp 11879 L0.004
Misc : WG1993322, (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: Nov 05 09:55:24 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:55:16 2024
Response via : Initial Calibration
Integrator: ChemStation

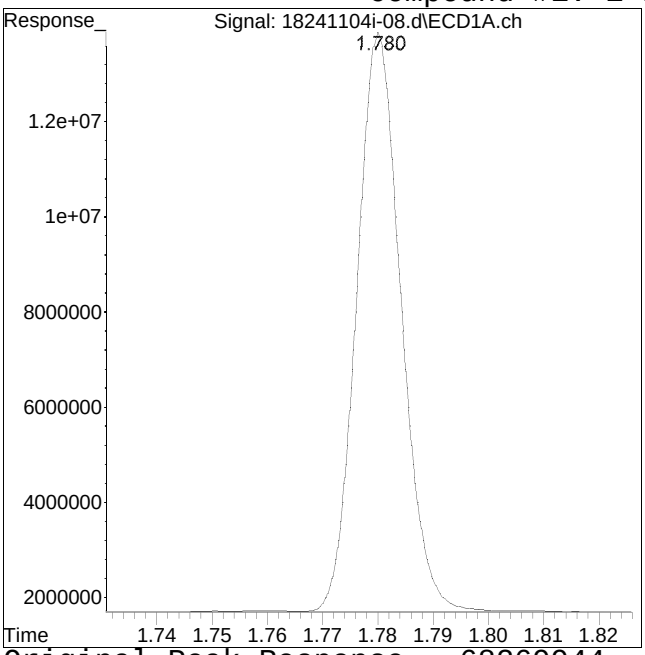
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

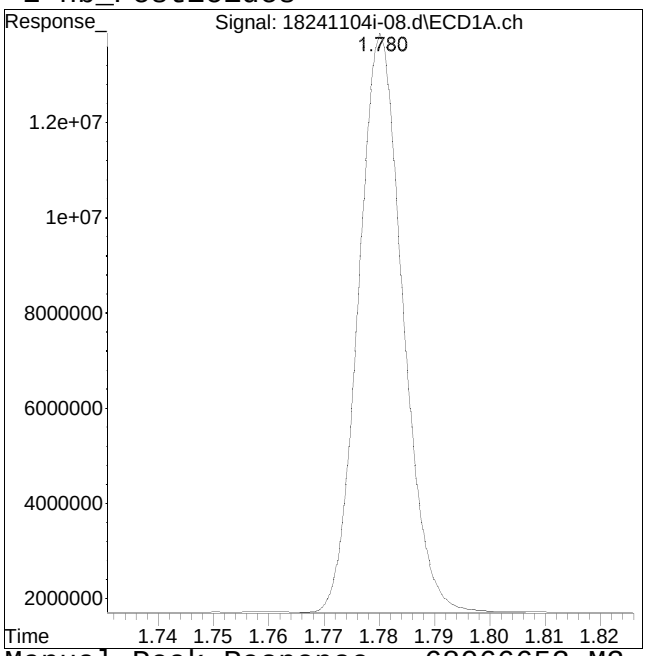


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-08.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:28 pm Instrument : Pest 18
Sample : il5pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:55 am

Compound #1: 1-br-2-nb_Pesticides



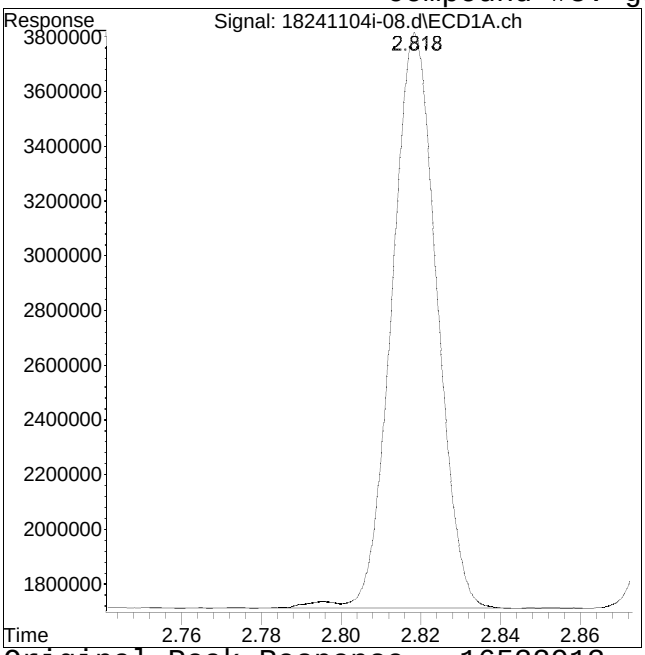


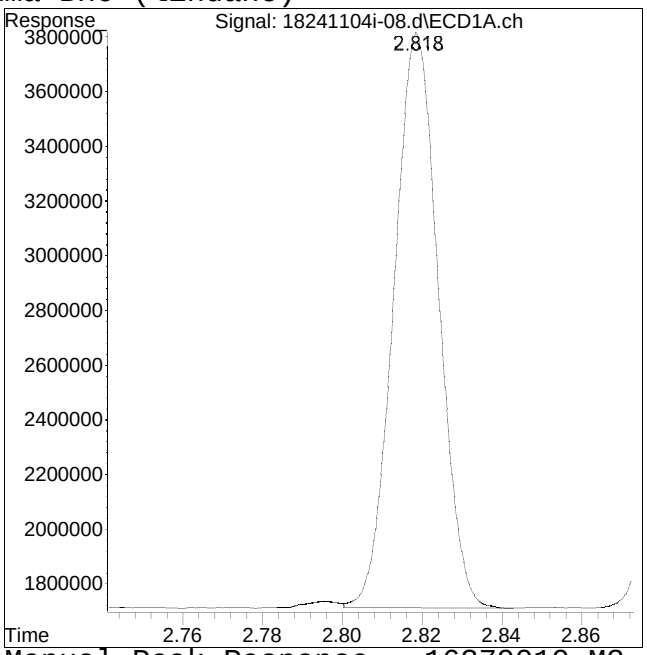
Original Peak Response = 68269944 Manual Peak Response = 68066653 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-08.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:28 pm Instrument : Pest 18
Sample : il5pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:55 am

Compound #5: gamma-BHC (lindane)



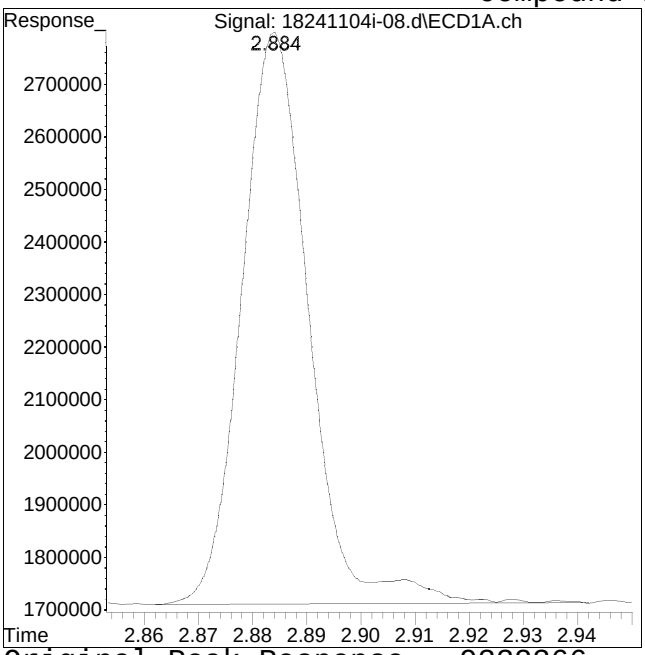


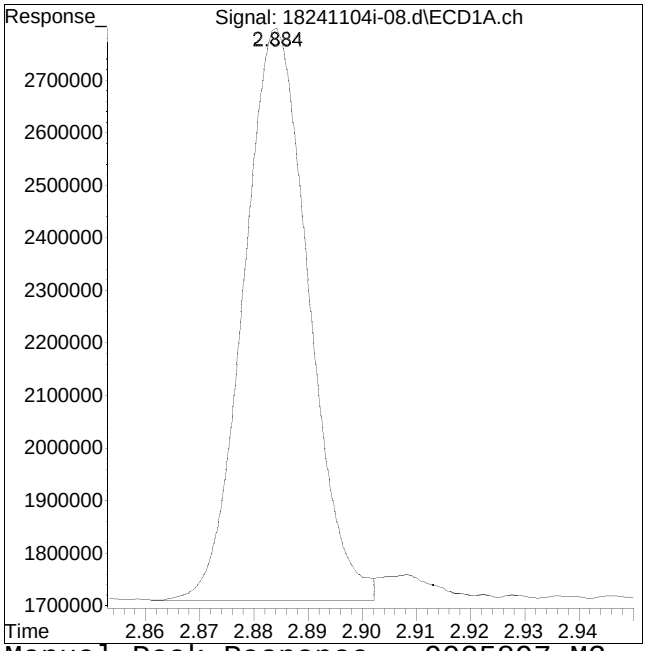
Original Peak Response = 16532913 Manual Peak Response = 16379019 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-08.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:28 pm Instrument : Pest 18
Sample : il5pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:55 am

Compound #6: beta-BHC



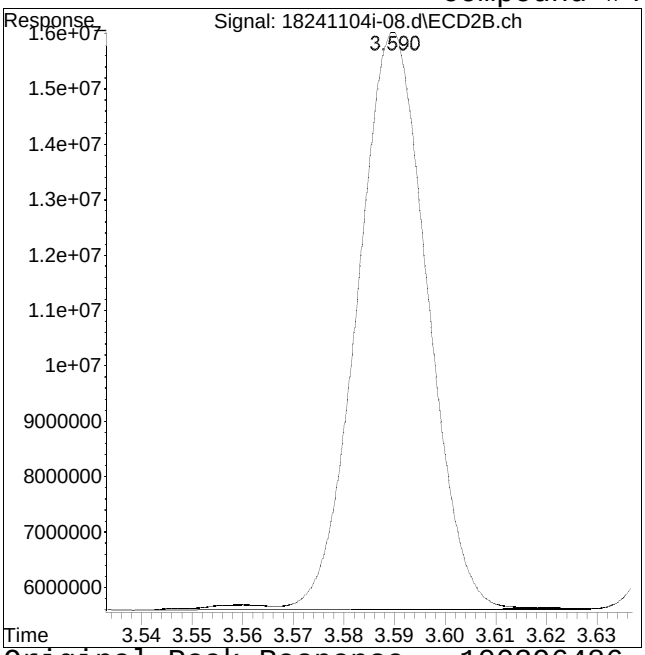


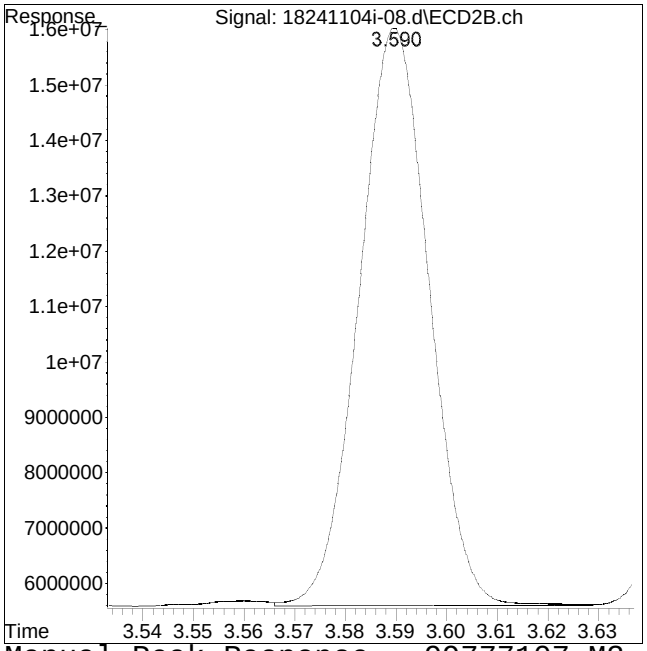
Original Peak Response = 9332366 Manual Peak Response = 9025897 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-08.d
Date Inj'd : 11/4/2024 6:28 pm
Sample : il5pest,42e,,pp 11879 L0.0
Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 9:55 am

Compound #45: delta-BHC #2



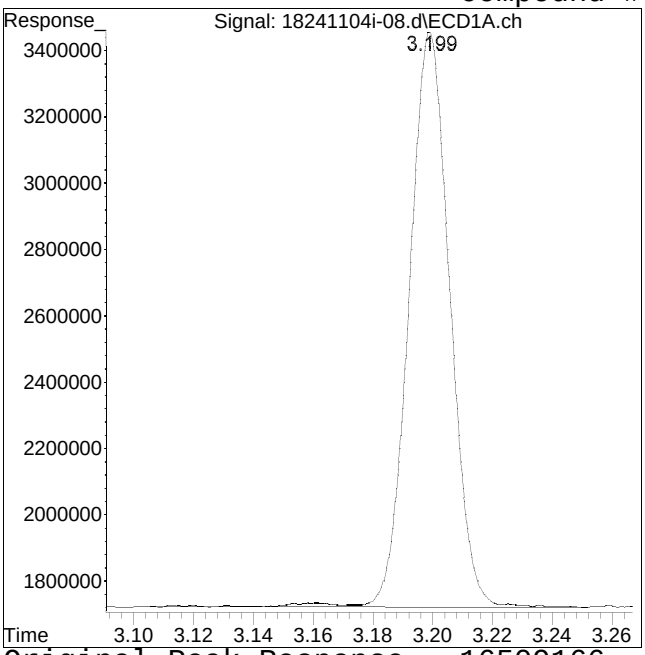


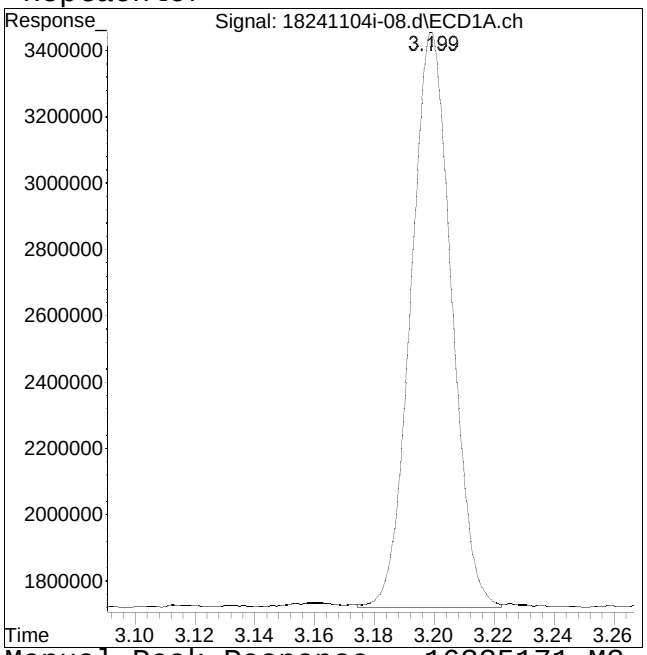
Original Peak Response = 100396486 Manual Peak Response = 99777107 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-08.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:28 pm Instrument : Pest 18
Sample : il5pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:55 am

Compound #8: Heptachlor



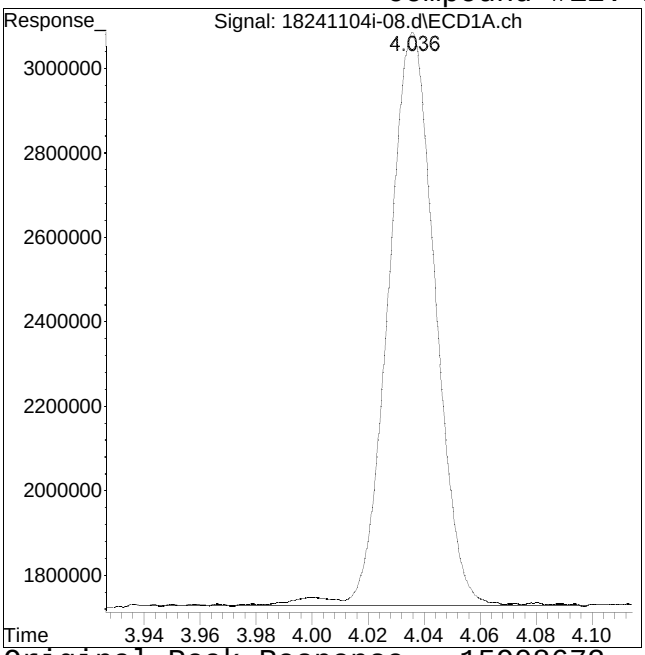


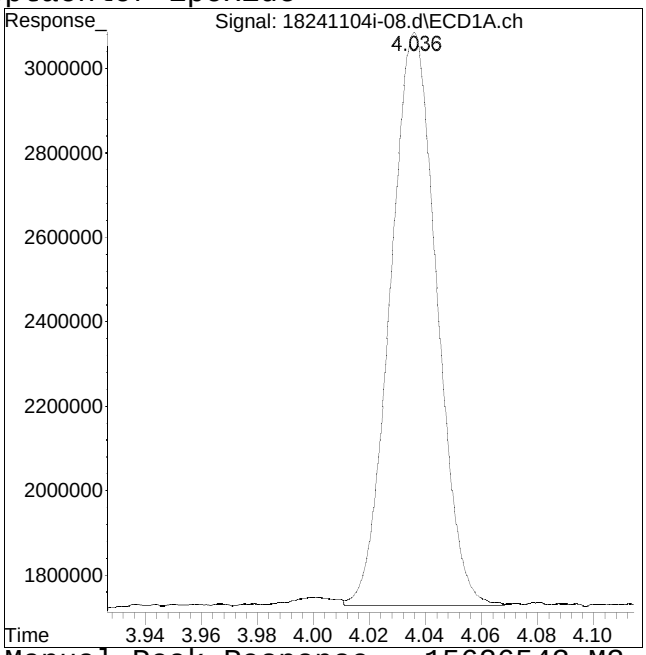
Original Peak Response = 16509166 Manual Peak Response = 16335171 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-08.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:28 pm Instrument : Pest 18
Sample : il5pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:55 am

Compound #12: Heptachlor Epoxide



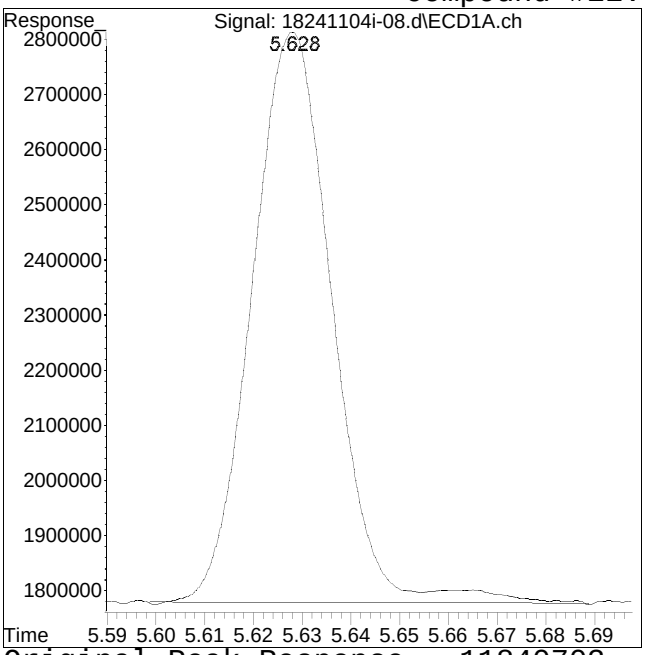


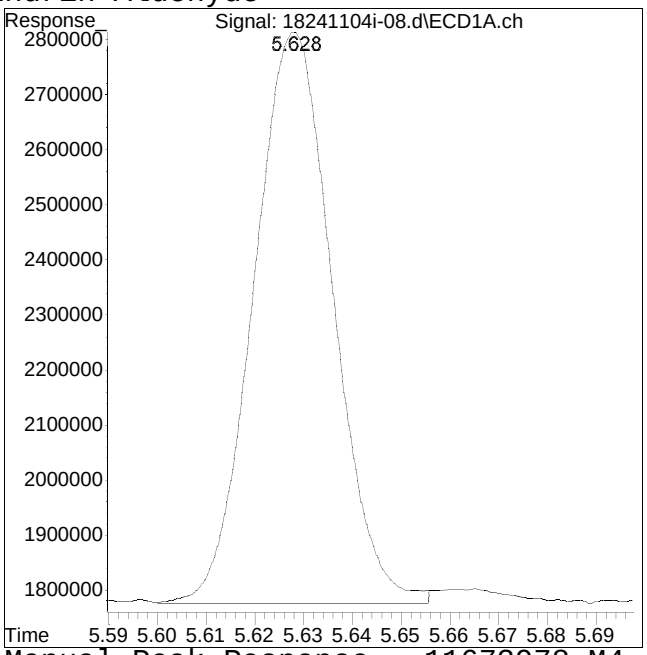
Original Peak Response = 15908672 Manual Peak Response = 15626543 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-08.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:28 pm Instrument : Pest 18
Sample : il5pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:55 am

Compound #22: Endrin Aldehyde



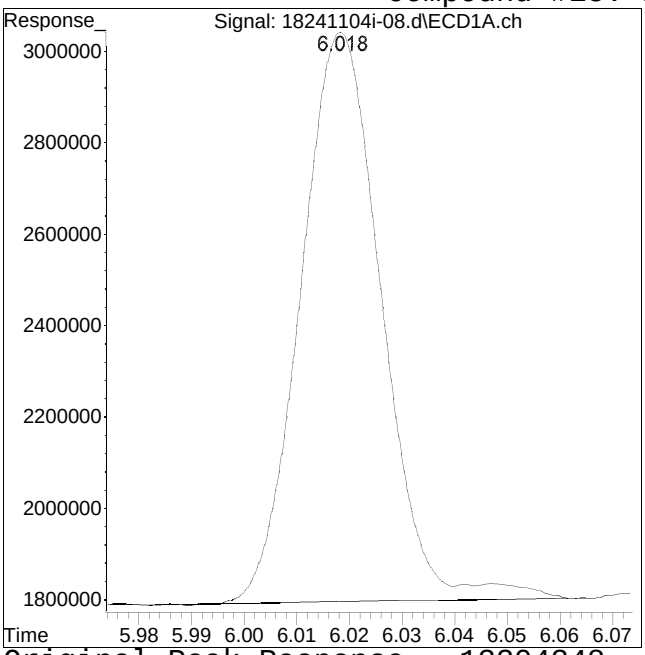


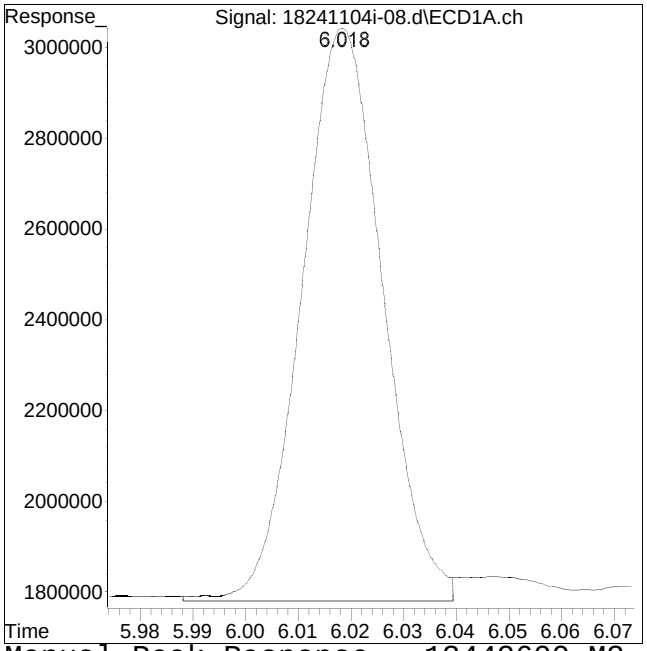
Original Peak Response = 11840703 Manual Peak Response = 11673978 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-08.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:28 pm Instrument : Pest 18
Sample : il5pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:55 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 13304348 Manual Peak Response = 13442600 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\Pest18\2024\241104ICAL\
Data File : 18241104i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:41 pm
Operator : PEST18:kab
Sample : il7pest,42e,,pp 11879 L0.01
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:53:43 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:53:34 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.781	1.878	65389004	444.7E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.225	2.457	33828708	187.6E6	11.228M4	10.593
	Spiked Amount 50.000	Range 30 - 150		Recovery =		22.46%#	21.19%#
27) s	Decachlorobi	7.049	7.694	38162908	157.5E6	12.102	11.508
	Spiked Amount 50.000	Range 30 - 150		Recovery =		24.20%#	23.02%#
	Target Compounds						
3)	Hexachlorobe	2.476	2.816	37192745	200.7E6	11.949	11.094
4)	alpha-BHC	2.591	2.925	40875828	247.1E6	10.186	9.246
5)	gamma-BHC (l	2.819	3.234	37904903	233.7E6	10.455M4	9.716
6)	beta-BHC	2.884	3.307	19653073	112.6E6	11.625M3	11.125
7)	delta-BHC	3.023	3.589	36618598	231.2E6	9.898	9.264
8)	Heptachlor	3.199	3.654	36858533	226.8E6	10.888	10.348
9)	Aldrin	3.459	3.987	36204517	210.9E6	10.253	10.055
10)	Alachlor	3.597	3.874	5858124	34065715	12.513	12.964
11)	Chlorpyrifos	3.695	4.242	18861808	117.5E6	12.760	12.877
12)	Heptachlor E	4.035	4.627	34836846	213.3E6	10.702M3	10.864
13)	gamma-Chlord	4.166	4.854	32987815	191.5E6	10.791	10.473
14)	alpha-Chlord	4.306	5.023	37002674	214.6E6	10.627	10.642
15)	4,4'-DDE	4.412	5.221	35725326	206.3E6	9.912	9.862
16)	Endosulfan I	4.446	5.083	33606220	202.3E6	10.653	10.878
17)	Dieldrin	4.716	5.376	34756638	204.1E6	10.335	10.234
18)	Endrin	4.973	5.674	34949355	208.1E6	10.360	10.392
19)	4,4'-DDD	5.085	5.796	28382495	171.7E6	10.069	9.994

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:41 pm
Operator : PEST18:kab
Sample : il7pest,42e,,pp 11879 L0.01
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:53:43 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:53:34 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	ug/l	ug/l
20)	Endosulfan I	5.213	5.873	30732509	182.7E6	10.512	10.605
21)	4,4'-DDT	5.377	6.074	30245162	188.8E6	10.275	10.014
22)	Endrin Aldeh	5.627	6.171	26797597	160.5E6	10.469M4	10.765
23)	Methoxychlor	5.863	6.640	18669013	111.2E6	11.988	11.602
24)	Mirex	5.920	6.778	30415818	158.8E6	11.837	11.795
25)	Endosulfan S	6.018	6.400	29740111	179.7E6	10.827M3	10.370
26)	Endrin Keton	6.246	6.815	35129497	194.8E6	11.056	10.666
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

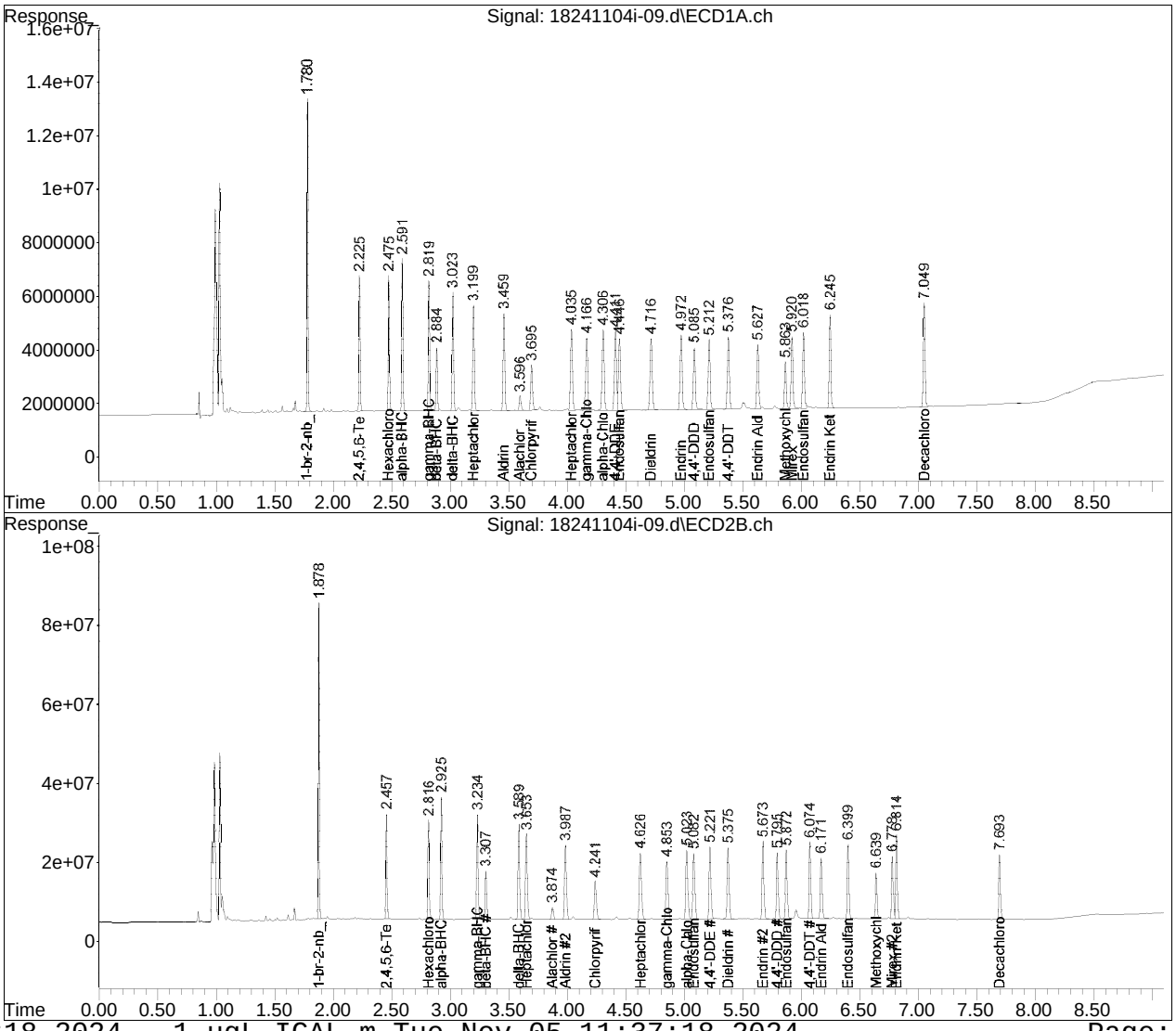
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:41 pm
Operator : PEST18:kab
Sample : il7pest,42e,,pp 11879 L0.01
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:53:43 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:53:34 2024
Response via : Initial Calibration
Integrator: ChemStation

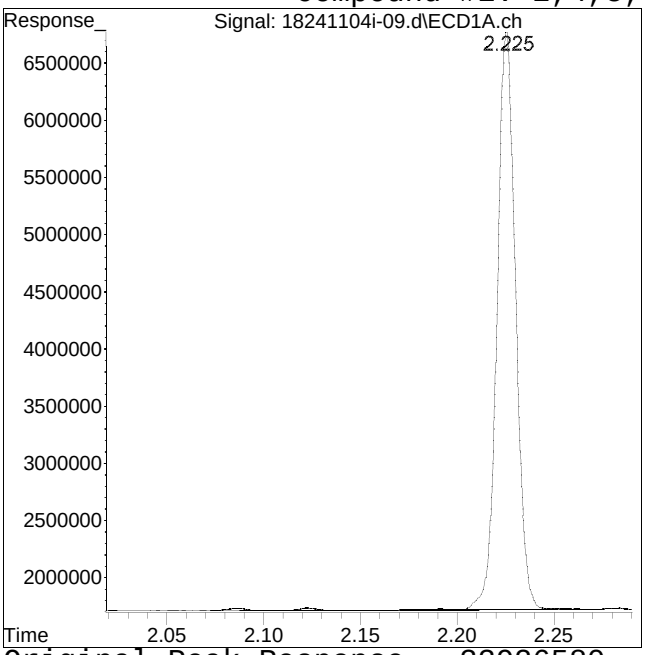
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

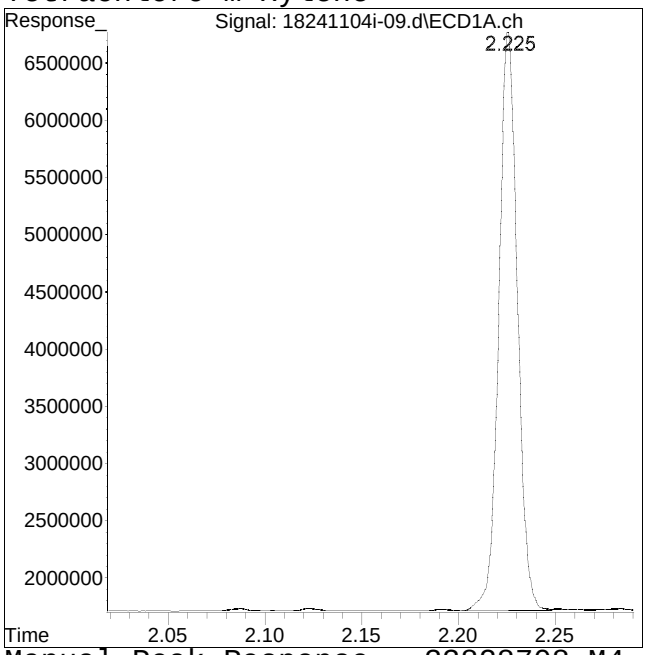


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-09.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:41 pm Instrument : Pest 18
Sample : il7pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:53 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



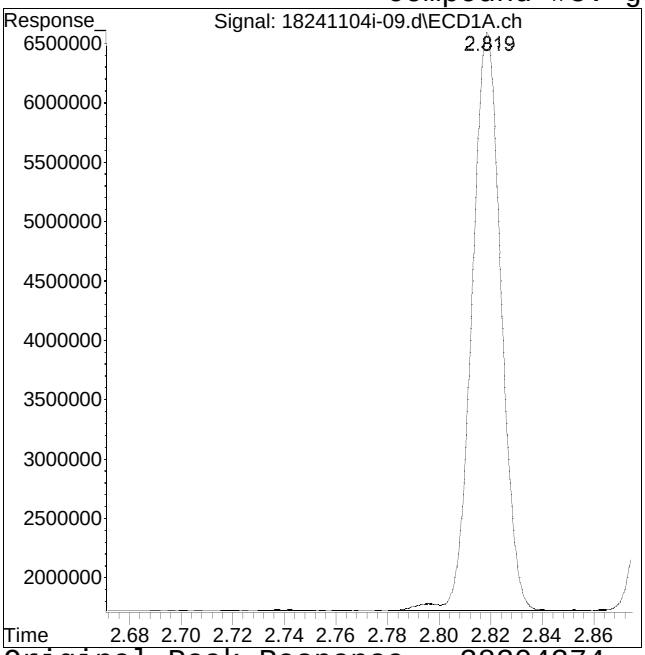


Original Peak Response = 33926580 Manual Peak Response = 33828708 M4
M4 = Poor automated baseline construction.

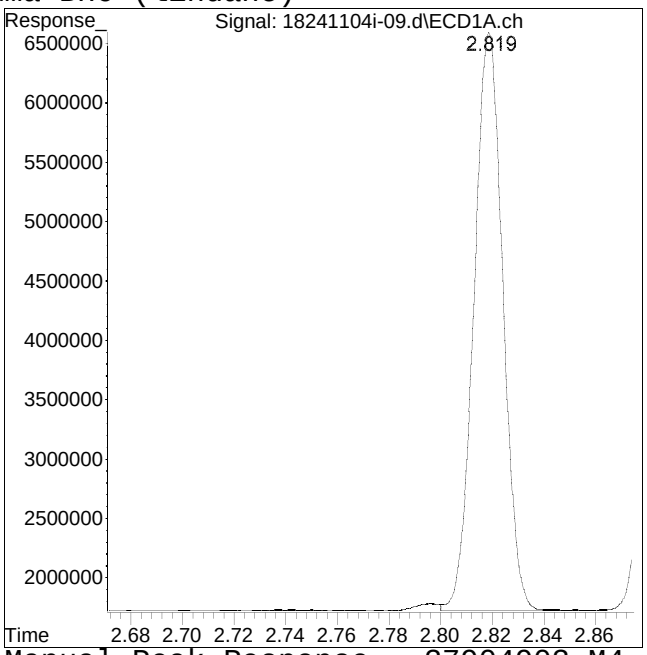
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-09.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:41 pm Instrument : Pest 18
Sample : il7pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:53 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 38304374



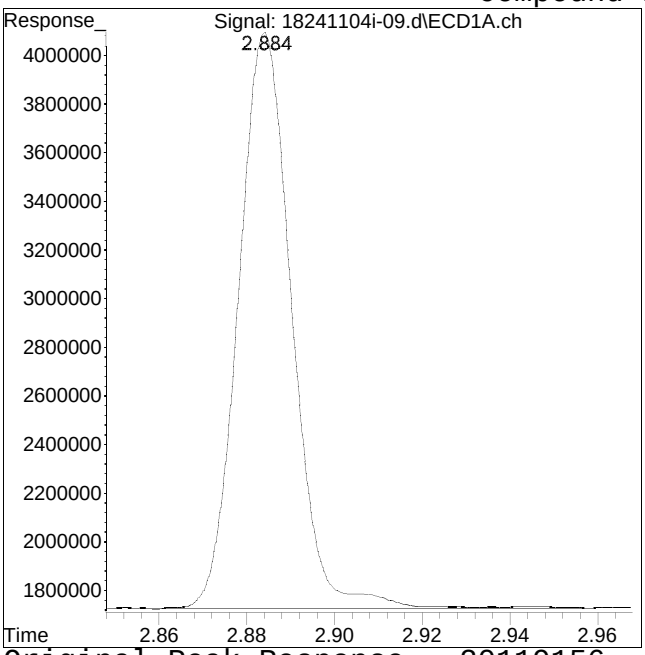
Manual Peak Response = 37904903 M4

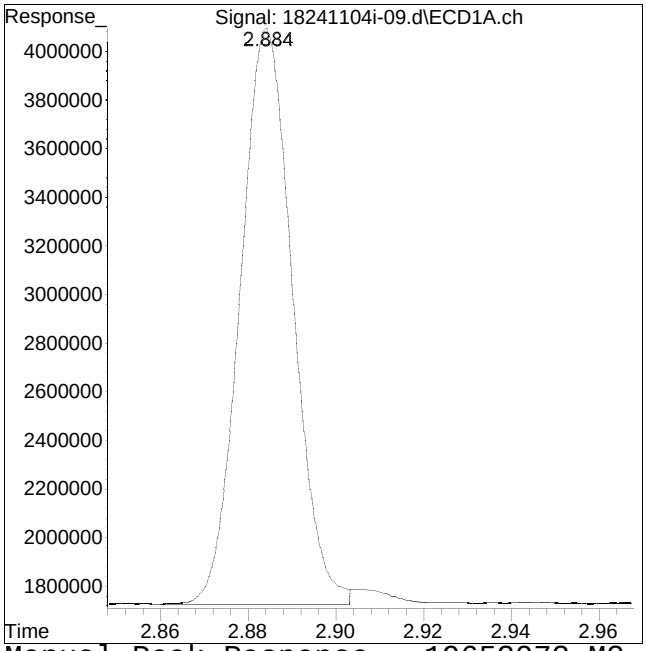
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-09.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:41 pm Instrument : Pest 18
Sample : il7pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:53 am

Compound #6: beta-BHC



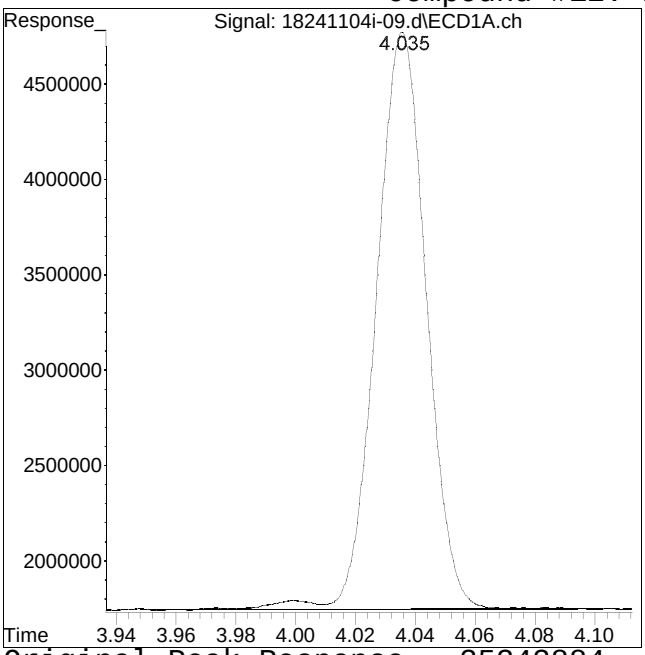


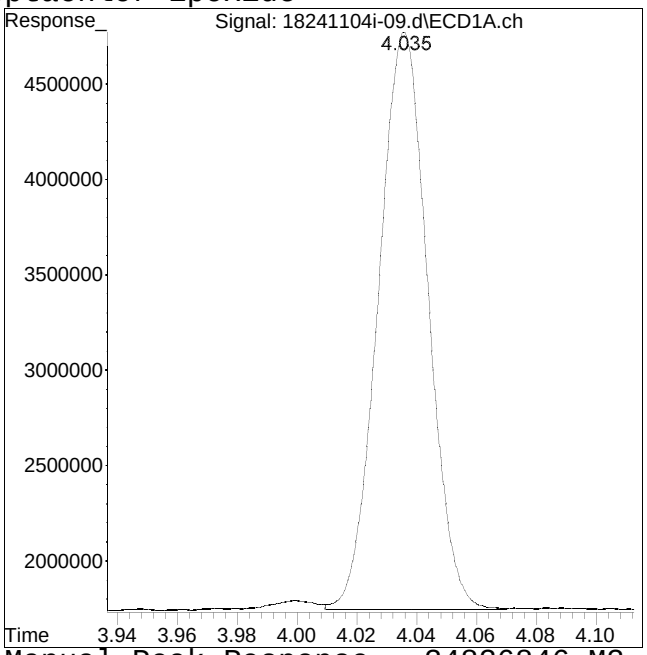
Original Peak Response = 20119156 Manual Peak Response = 19653073 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-09.d
Date Inj'd : 11/4/2024 6:41 pm
Sample : il7pest,42e,,pp 11879 L0.0
Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 9:53 am

Compound #12: Heptachlor Epoxide





Original Peak Response = 35343884 Manual Peak Response = 34836846 M3

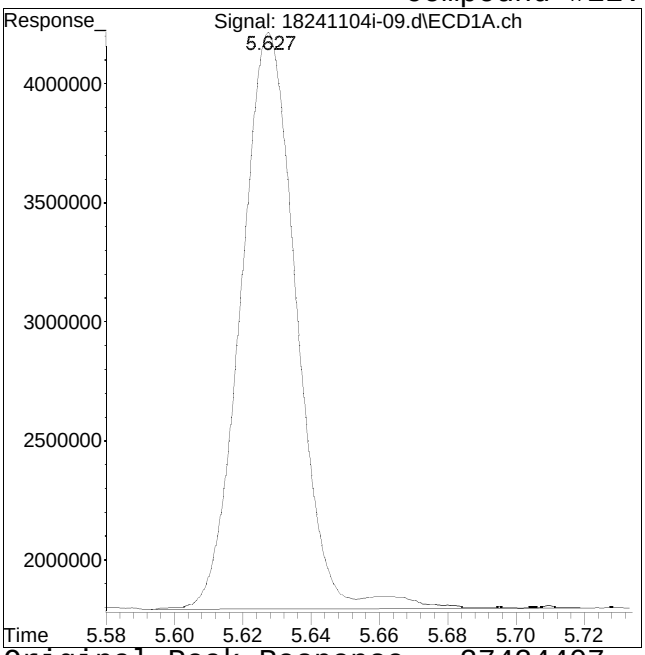
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

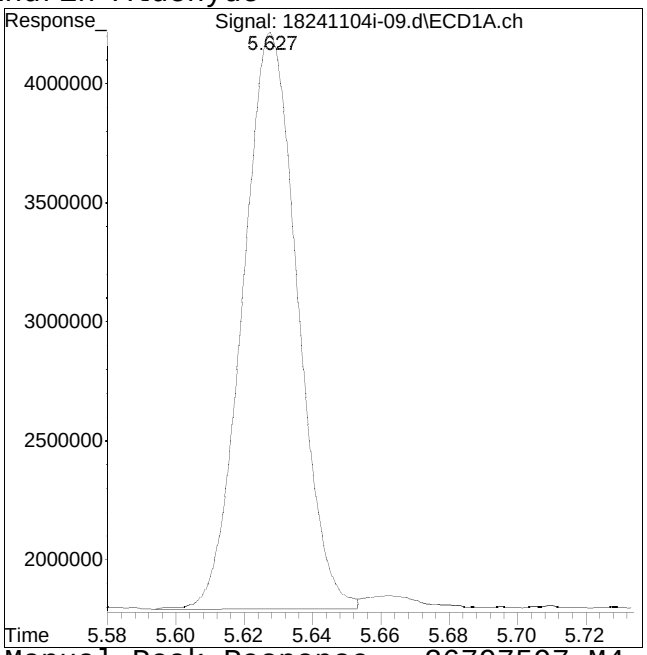
Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-09.d
Date Inj'd : 11/4/2024 6:41 pm
Sample : il7pest,42e,,pp 11879 L0.0

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 9:53 am

Compound #22: Endrin Aldehyde



Original Peak Response = 27424407



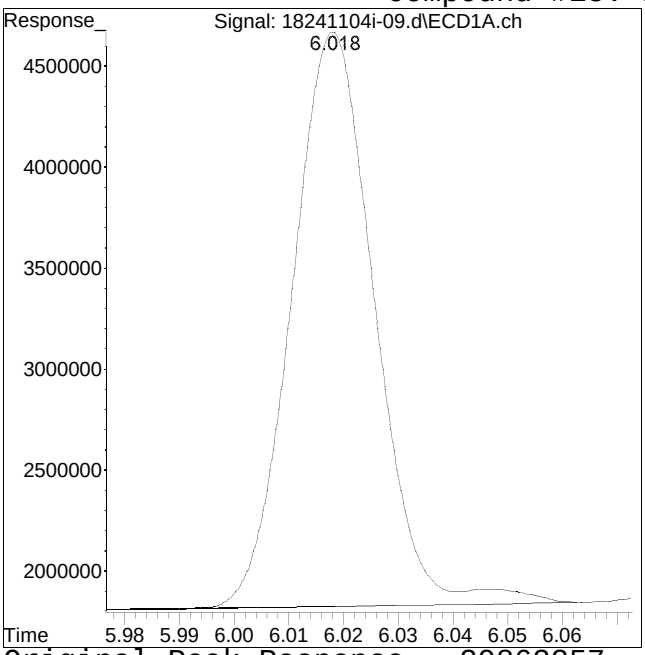
Manual Peak Response = 26797597 M4

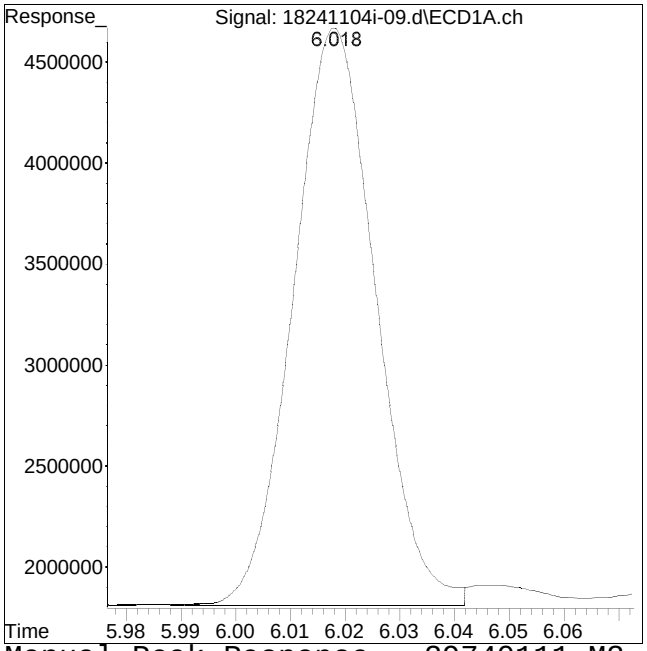
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-09.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:41 pm Instrument : Pest 18
Sample : il7pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:53 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 29862257 Manual Peak Response = 29740111 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\Pest18\2024\241104ICAL\
Data File : 18241104i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:53 pm
Operator : PEST18:kab
Sample : il8pest,42e,,pp 11879 L0.05
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:51:05 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:50:57 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.780	1.878	68250833	473.7E6	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.226	2.457	166.9E6	916.3E6	54.166	48.116
	Spiked Amount 50.000	Range 30 - 150		Recovery =		108.33%	96.23%
27) s	Decachlorobi	7.050	7.693	176.2E6	728.4E6	54.840	49.954
	Spiked Amount 50.000	Range 30 - 150		Recovery =		109.68%	99.91%
	Target Compounds						
3)	Hexachlorobe	2.476	2.816	173.4E6	947.2E6	54.603	48.875
4)	alpha-BHC	2.591	2.925	216.1E6	1350.8E6	52.155	46.651
5)	gamma-BHC (l	2.819	3.234	194.7E6	1227.1E6	51.946M3	47.223
6)	beta-BHC	2.885	3.308	92191125	538.6E6	53.042	49.906
7)	delta-BHC	3.024	3.590	196.2E6	1259.6E6	51.072	46.558
8)	Heptachlor	3.200	3.654	184.3E6	1185.3E6	52.942	51.017
9)	Aldrin	3.460	3.988	188.8E6	1101.2E6	51.654	49.065
10)	Alachlor	3.597	3.874	26913117	154.2E6	57.008	57.027
11)	Chlorpyrifos	3.695	4.242	83813843	520.5E6	55.932	54.823
12)	Heptachlor E	4.036	4.628	176.5E6	1044.2E6	52.634M4	49.899
13)	gamma-Chlord	4.167	4.854	163.8E6	947.1E6	51.804	48.184
14)	alpha-Chlord	4.307	5.024	186.3E6	1046.0E6	51.679	48.271
15)	4,4'-DDE	4.412	5.222	190.5E6	1074.8E6	50.870	47.668
16)	Endosulfan I	4.447	5.084	169.3E6	984.8E6	51.898	49.597
17)	Dieldrin	4.717	5.377	177.9E6	1027.9E6	50.919	47.859
18)	Endrin	4.974	5.674	179.4E6	1041.0E6	51.286	48.413
19)	4,4'-DDD	5.086	5.796	147.7E6	867.0E6	50.267	46.553
20)	Endosulfan I	5.213	5.874	155.7E6	897.7E6	51.358	48.568

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:53 pm
Operator : PEST18:kab
Sample : il8pest,42e,,pp 11879 L0.05
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:51:05 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:50:57 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	ug/l	ug/l
21)	4,4'-DDT	5.377	6.074	156.0E6	959.9E6	51.030	47.089
22)	Endrin Aldeh	5.628	6.171	135.4E6	766.4E6	50.917	47.682
23)	Methoxychlor	5.864	6.640	87112615	527.1E6	54.909	53.743
24)	Mirex	5.921	6.778	141.6E6	711.0E6	53.825	49.447
25)	Endosulfan S	6.019	6.400	148.3E6	895.3E6	52.337M3	47.999
26)	Endrin Keton	6.246	6.814	173.8E6	959.6E6	53.265	49.113
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

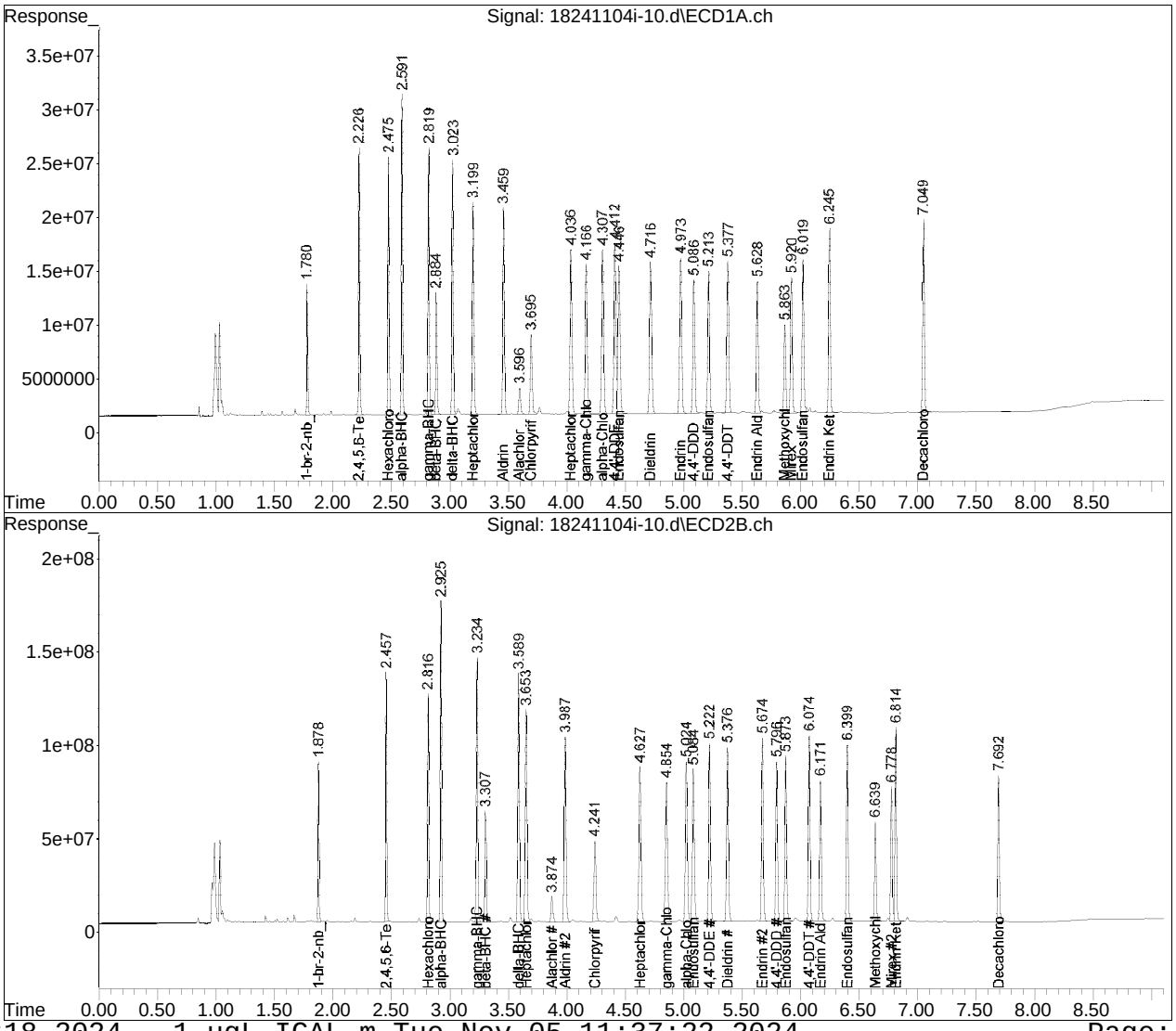
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 6:53 pm
Operator : PEST18:kab
Sample : il8pest,42e,,pp 11879 L0.05
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:51:05 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:50:57 2024
Response via : Initial Calibration
Integrator: ChemStation

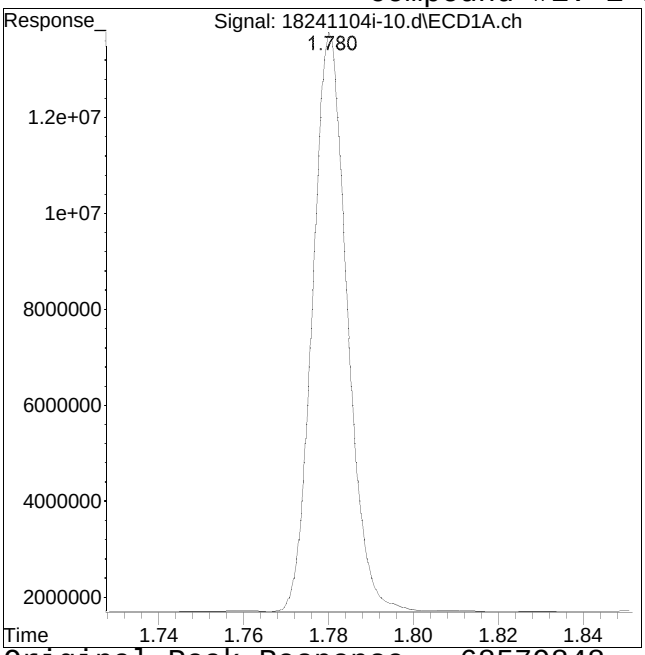
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

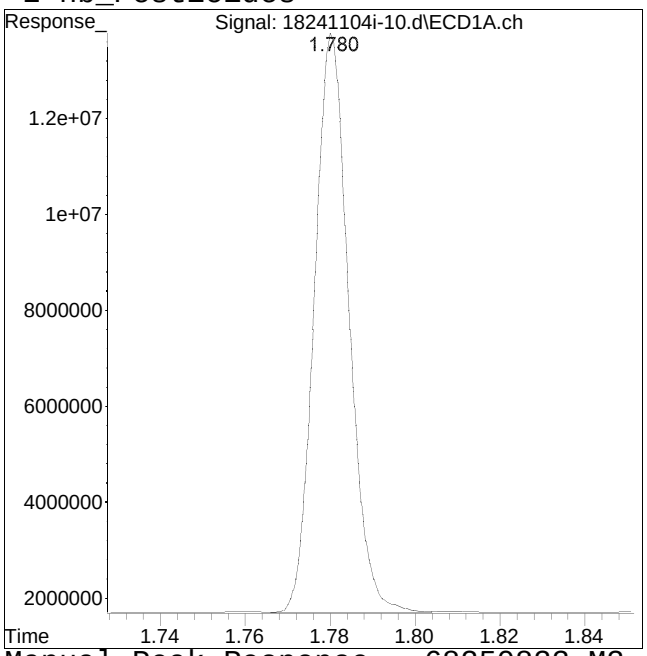


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-10.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:53 pm Instrument : Pest 18
Sample : il8pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:51 am

Compound #1: 1-br-2-nb_Pesticides



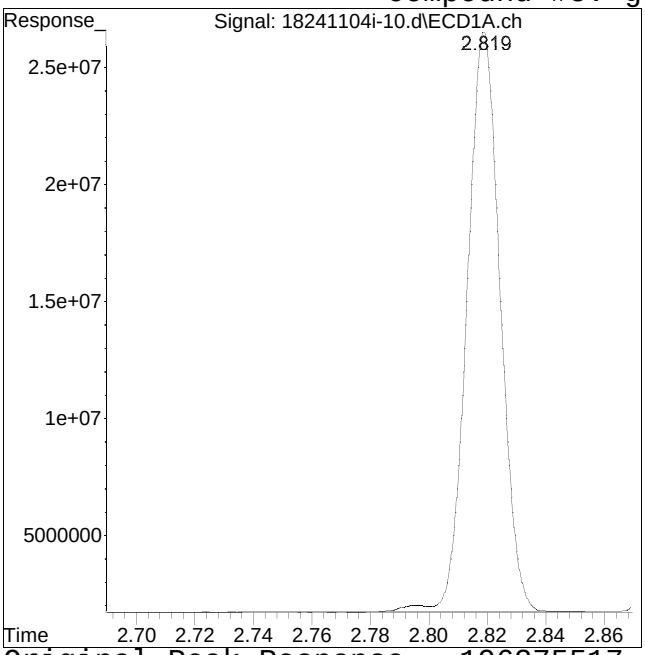


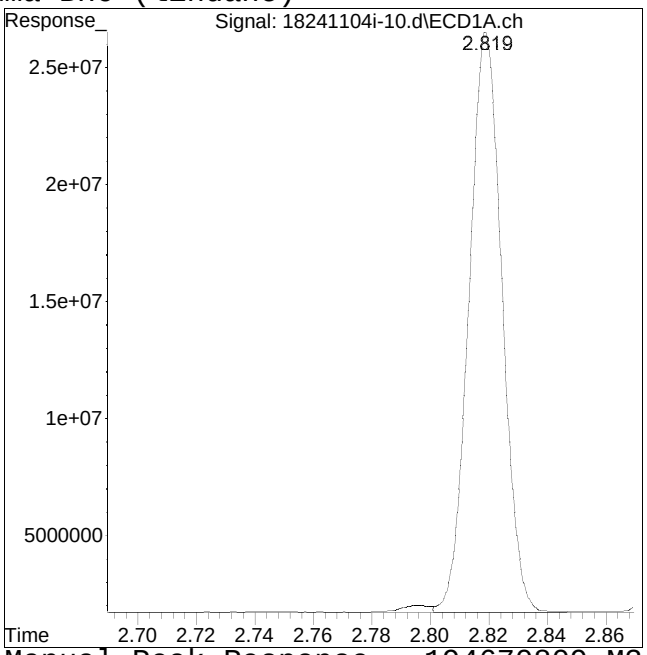
Original Peak Response = 68579848 Manual Peak Response = 68250833 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-10.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:53 pm Instrument : Pest 18
Sample : il8pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:51 am

Compound #5: gamma-BHC (lindane)



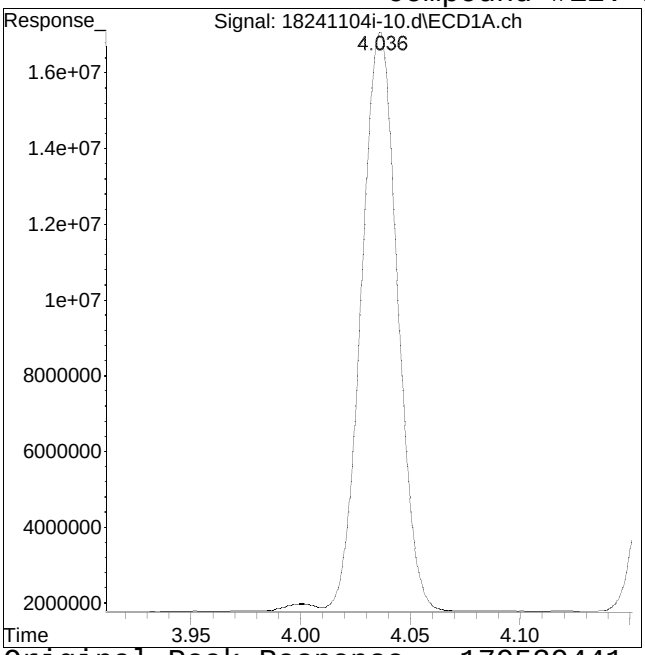


Original Peak Response = 196275517 Manual Peak Response = 194670809 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

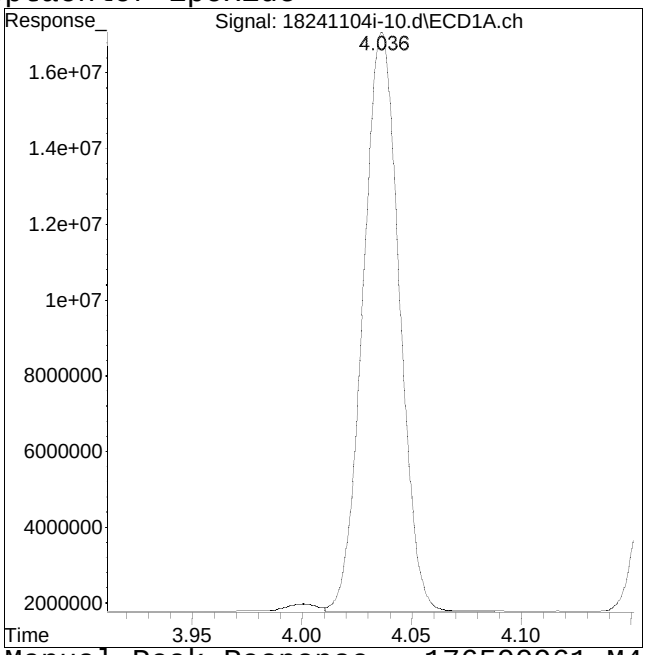
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-10.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:53 pm Instrument : Pest 18
Sample : il8pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:51 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 179539441



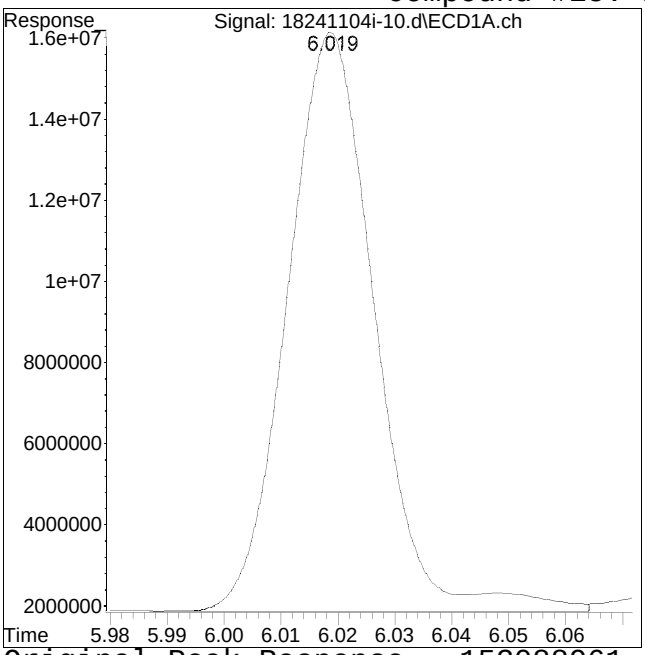
Manual Peak Response = 176500961 M4

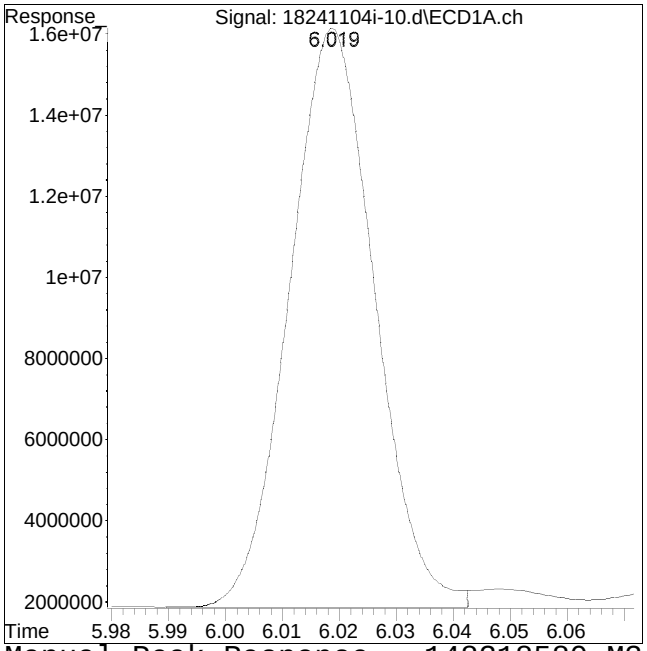
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-10.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 6:53 pm Instrument : Pest 18
Sample : il8pest,42e,,pp 11879 L0.0Quant Date : 11/5/2024 9:51 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 153088961 Manual Peak Response = 148318580 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\Pest18\2024\241104ICAL\
Data File : 18241104i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:05 pm
Operator : PEST18:kab
Sample : il9pest,42e,,pp 11879 L0.1
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:49:33 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:49:23 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.781	1.879	68041649	448.2E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.226	2.458	321.1E6	1855.4E6	106.999	104.542
	Spiked Amount 50.000	Range 30 - 150		Recovery =		214.00%#	209.08%#
27) s	Decachlorobi	7.048	7.691	336.8E6	1319.3E6	107.893	93.600
	Spiked Amount 50.000	Range 30 - 150		Recovery =		215.79%#	187.20%#
	Target Compounds						
3)	Hexachlorobe	2.476	2.817	330.7E6	1806.8E6	106.808	97.826
4)	alpha-BHC	2.592	2.926	423.4E6	2584.7E6	103.782	91.761
5)	gamma-BHC (l	2.819	3.235	381.9E6	2350.2E6	103.366M3	93.533
6)	beta-BHC	2.885	3.308	178.5E6	1005.6E6	104.573	97.755
7)	delta-BHC	3.023	3.590	390.0E6	2420.1E6	102.820	92.047
8)	Heptachlor	3.200	3.654	359.4E6	2157.1E6	105.372	97.233
9)	Aldrin	3.459	3.987	374.5E6	2074.2E6	104.180	96.559
10)	Alachlor	3.596	3.874	49774426	273.6E6	108.893	110.764
11)	Chlorpyrifos	3.695	4.241	157.7E6	931.3E6	108.584	105.622
12)	Heptachlor E	4.036	4.627	343.9E6	1948.8E6	104.379	97.669
13)	gamma-Chlord	4.167	4.854	321.8E6	1779.7E6	103.155	93.689
14)	alpha-Chlord	4.307	5.023	366.6E6	1960.7E6	103.089	93.606
15)	4,4'-DDE	4.412	5.221	380.9E6	2037.8E6	103.018	93.443
16)	Endosulfan I	4.447	5.083	333.7E6	1832.4E6	103.970	96.362
17)	Dieldrin	4.716	5.376	354.0E6	1945.0E6	102.441	93.719
18)	Endrin	4.973	5.674	356.8E6	1954.8E6	103.483	94.251
19)	4,4'-DDD	5.086	5.796	296.1E6	1643.8E6	101.609	90.258
20)	Endosulfan I	5.213	5.873	309.0E6	1671.3E6	103.410	93.505
21)	4,4'-DDT	5.376	6.074	309.3E6	1809.5E6	102.280	91.015
22)	Endrin Aldeh	5.627	6.170	271.5E6	1463.0E6	103.618M3	94.425

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:05 pm
Operator : PEST18:kab
Sample : il9pest,42e,,pp 11879 L0.1
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:49:33 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:49:23 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	ug/l	ug/l
23)	Methoxychlor	5.863	6.639	166.3E6	942.5E6	107.871	102.398
24)	Mirex	5.920	6.777	270.9E6	1294.7E6	104.983	92.927
25)	Endosulfan S	6.018	6.400	292.1E6	1681.2E6	105.185M3	93.069
26)	Endrin Keton	6.245	6.813	337.6E6	1780.3E6	105.752	94.562
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

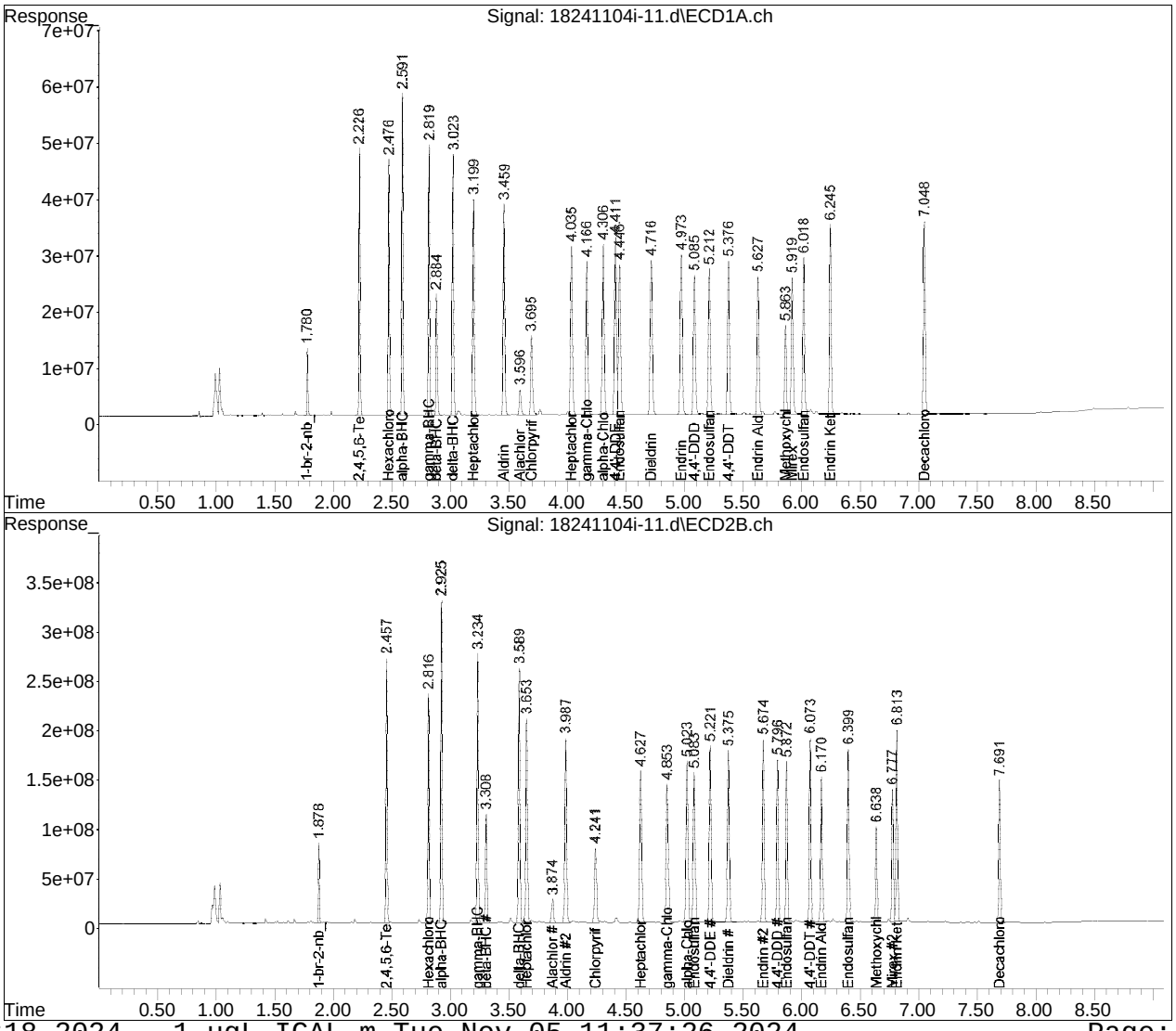
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:05 pm
Operator : PEST18:kab
Sample : il9pest,42e,,pp 11879 L0.1
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:49:33 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:49:23 2024
Response via : Initial Calibration
Integrator: ChemStation

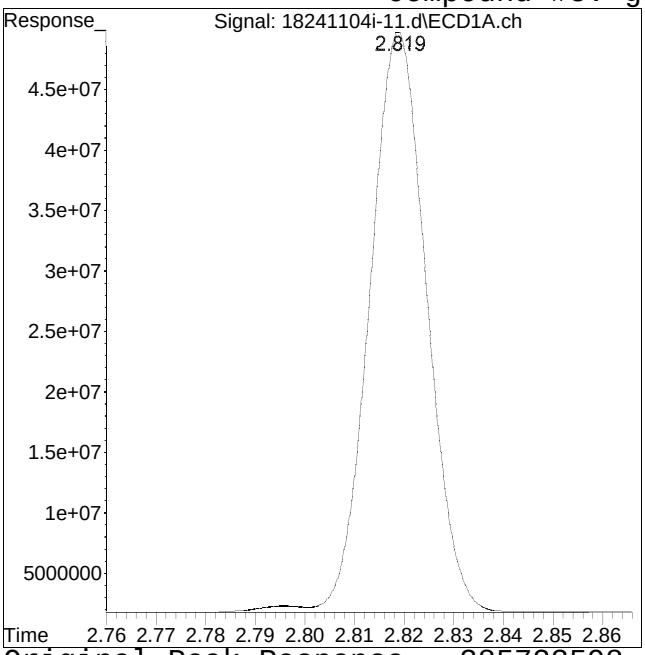
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

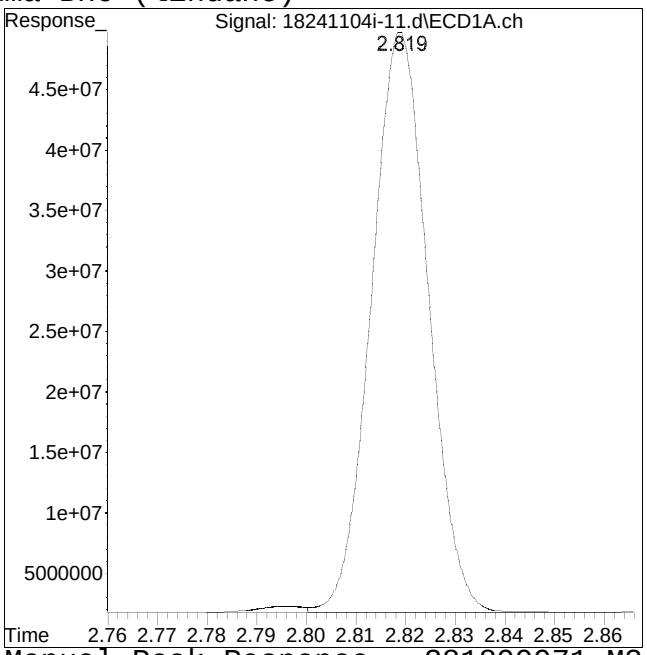


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-11.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:05 pm Instrument : Pest 18
Sample : il9pest,42e,,pp 11879 L0.1Quant Date : 11/5/2024 9:49 am

Compound #5: gamma-BHC (lindane)



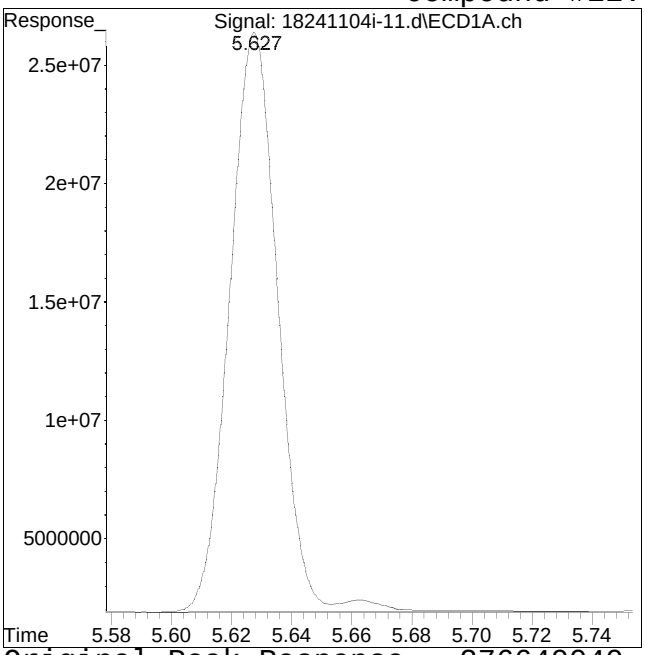


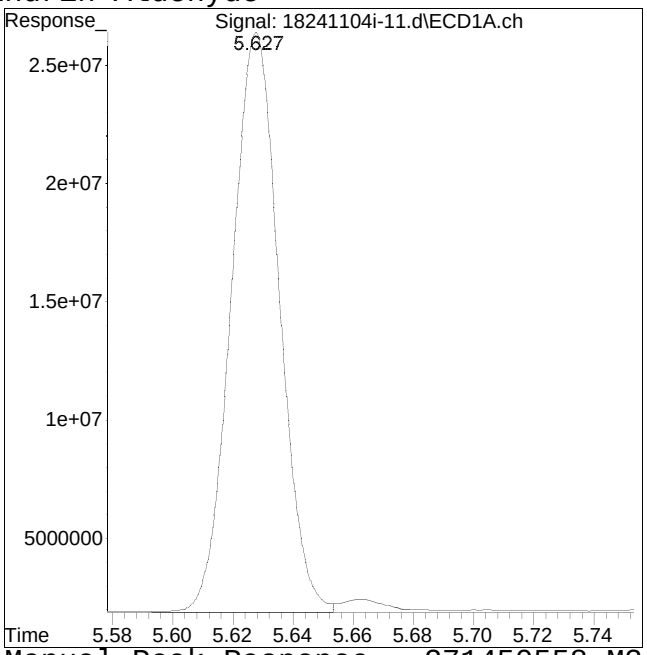
Original Peak Response = 385723598 Manual Peak Response = 381899971 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-11.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:05 pm Instrument : Pest 18
Sample : il9pest,42e,,pp 11879 L0.1Quant Date : 11/5/2024 9:49 am

Compound #22: Endrin Aldehyde



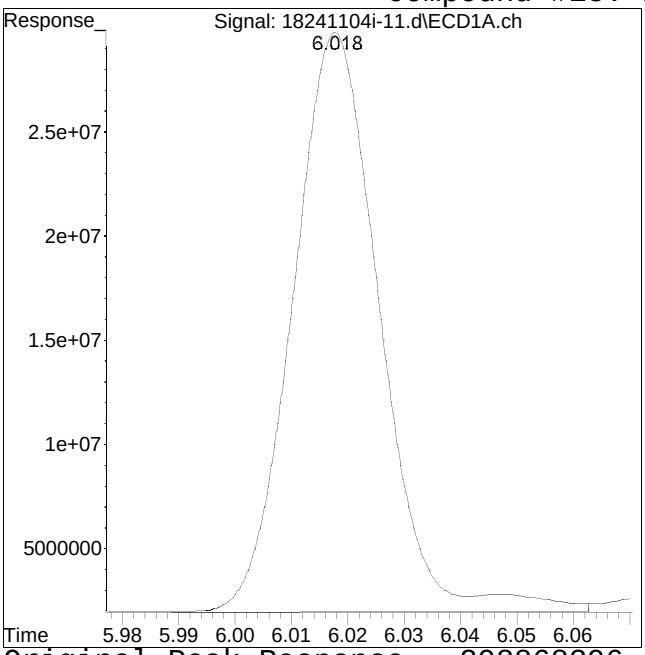


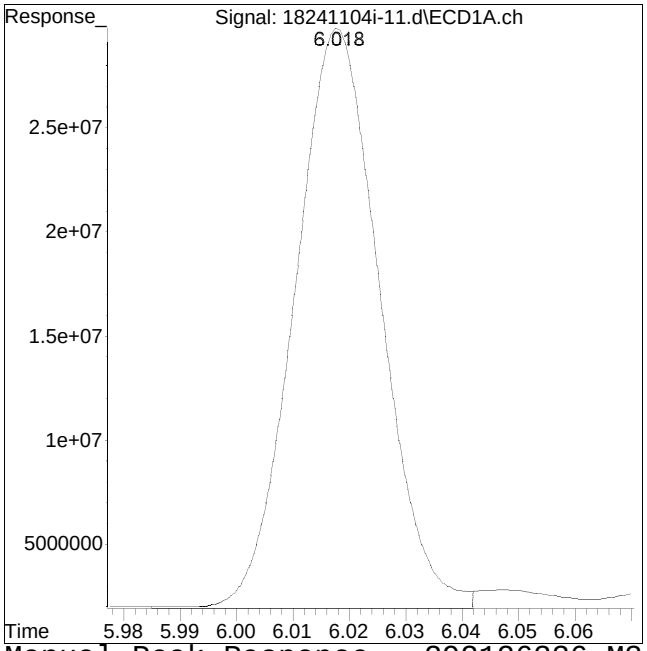
Original Peak Response = 276640040 Manual Peak Response = 271450558 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-11.d
Date Inj'd : 11/4/2024 7:05 pm
Sample : il9pest,42e,,pp 11879 L0.1
Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 9:49 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 298868396 Manual Peak Response = 292126336 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\Pest18\2024\241104ICAL\
Data File : 18241104i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:17 pm
Operator : PEST18:kab
Sample : il10pest,42e,,pp 11879 L0.2
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:27:16 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:27:08 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.780	1.877	67699846	448.0E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.227	2.458	615.0E6	3458.2E6	212.241	190.122
	Spiked Amount 50.000	Range 30 - 150		Recovery =		424.48%#	380.24%#
27) s	Decachlorobi	7.058	7.698	646.1E6	2758.6E6	216.715	191.751
	Spiked Amount 50.000	Range 30 - 150		Recovery =		433.43%#	383.50%#
	Target Compounds						
3)	Hexachlorobe	2.478	2.818	632.9E6	3565.7E6	211.277	186.737
4)	alpha-BHC	2.594	2.928	827.9E6	5296.3E6	208.065	177.542
5)	gamma-BHC (l	2.822	3.238	746.7E6	4736.4E6	206.332M3	178.390
6)	beta-BHC	2.888	3.311	346.4E6	1967.5E6	208.090	183.384
7)	delta-BHC	3.028	3.594	766.0E6	4972.3E6	205.992	179.499
8)	Heptachlor	3.204	3.658	695.6E6	4395.1E6	210.235	196.412
9)	Aldrin	3.465	3.993	732.9E6	4242.5E6	210.111	195.228
10)	Alachlor	3.603	3.880	94639125	506.9E6	216.863	210.886
11)	Chlorpyrifos	3.702	4.248	299.0E6	1793.8E6	214.349	207.160
12)	Heptachlor E	4.044	4.635	671.9E6	3953.5E6	210.154M3	196.473
13)	gamma-Chlord	4.175	4.861	634.1E6	3683.6E6	208.772	188.344
14)	alpha-Chlord	4.315	5.030	721.9E6	4055.4E6	208.172	187.761
15)	4,4'-DDE	4.421	5.229	754.0E6	4215.1E6	210.202	187.146
16)	Endosulfan I	4.456	5.090	655.2E6	3731.9E6	210.691	192.808
17)	Dieldrin	4.726	5.382	702.8E6	3983.6E6	209.009	184.671
18)	Endrin	4.982	5.680	703.3E6	4009.8E6	210.282	187.255
19)	4,4'-DDD	5.095	5.803	591.6E6	3471.6E6	208.319	182.226
20)	Endosulfan I	5.222	5.880	609.5E6	3446.9E6	210.343	186.326
21)	4,4'-DDT	5.385	6.080	617.2E6	3803.6E6	210.496	183.489

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:17 pm
Operator : PEST18:kab
Sample : il10pest,42e,,pp 11879 L0.2
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:27:16 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:27:08 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	ug/l	ug/l
22)	Endrin Aldeh	5.636	6.177	536.4E6	3009.6E6	211.902M3	188.972
23)	Methoxychlor	5.872	6.645	318.5E6	1905.0E6	215.973	204.142M4
24)	Mirex	5.929	6.784	527.5E6	2672.1E6	211.200	184.376
25)	Endosulfan S	6.027	6.406	566.7E6	3480.4E6	210.435M3	186.004
26)	Endrin Keton	6.255	6.820	654.5E6	3659.0E6	212.543	189.159
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

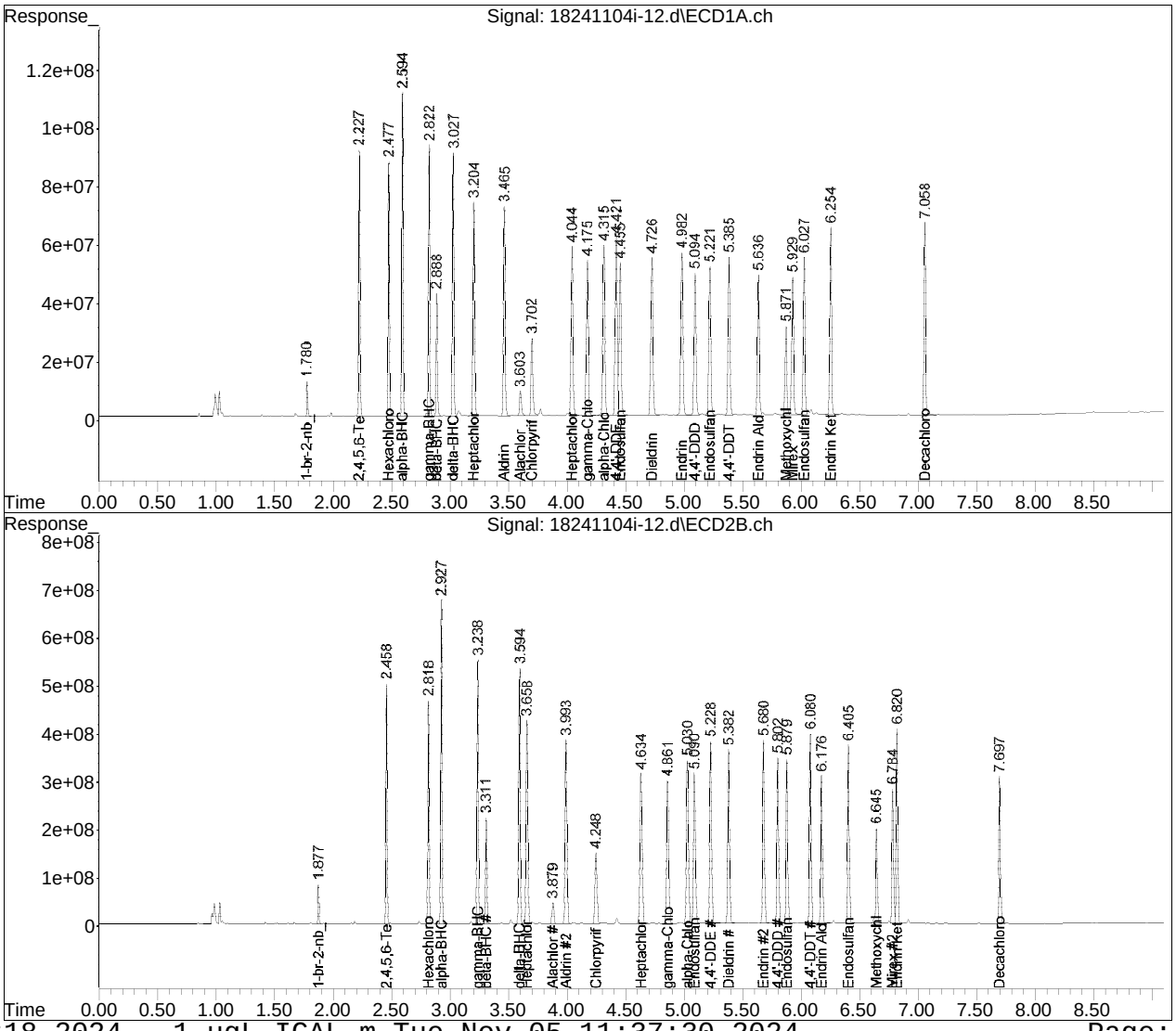
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:17 pm
Operator : PEST18:kab
Sample : il10pest,42e,,pp 11879 L0.2
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:27:16 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:27:08 2024
Response via : Initial Calibration
Integrator: ChemStation

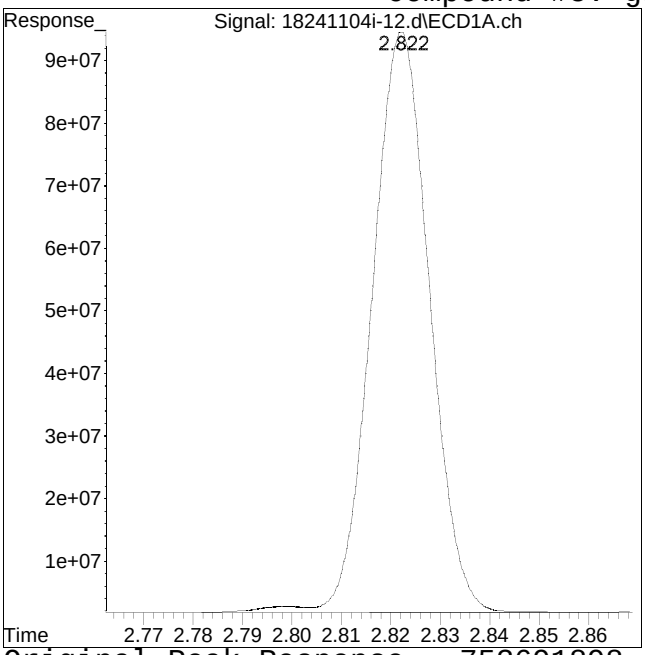
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

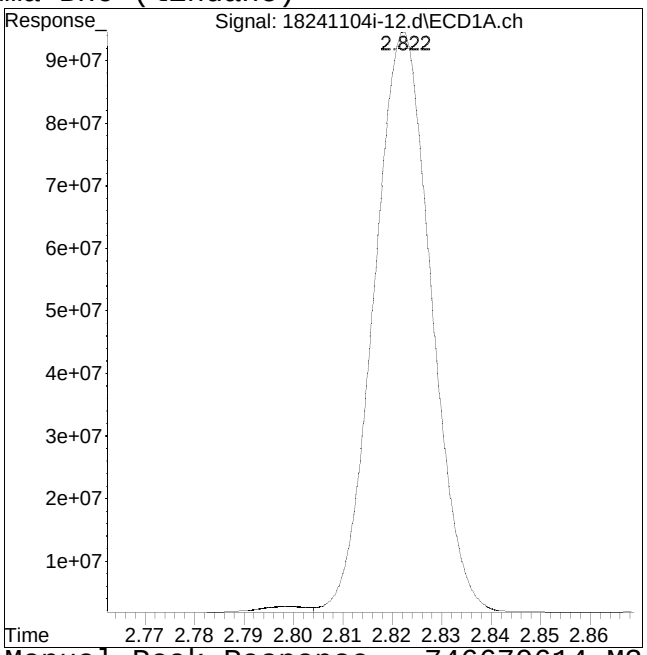


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-12.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:17 pm Instrument : Pest 18
Sample : il10pest,42e,,pp 11879 L0.Quant Date : 11/5/2024 9:27 am

Compound #5: gamma-BHC (lindane)



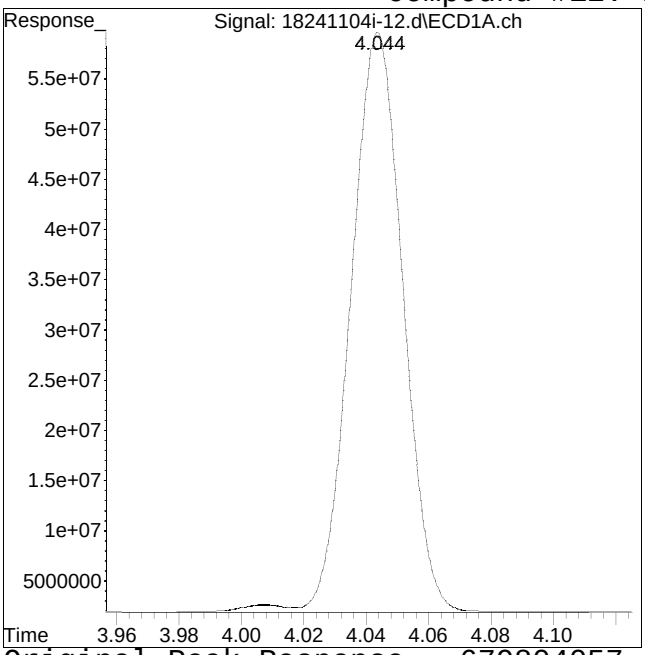


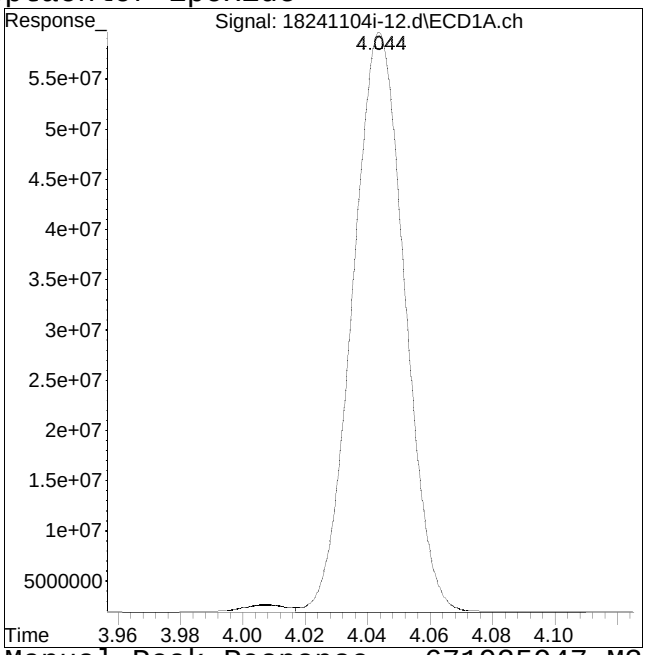
Original Peak Response = 753691898 Manual Peak Response = 746670614 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-12.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:17 pm Instrument : Pest 18
Sample : il10pest,42e,,pp 11879 L0.Quant Date : 11/5/2024 9:27 am

Compound #12: Heptachlor Epoxide



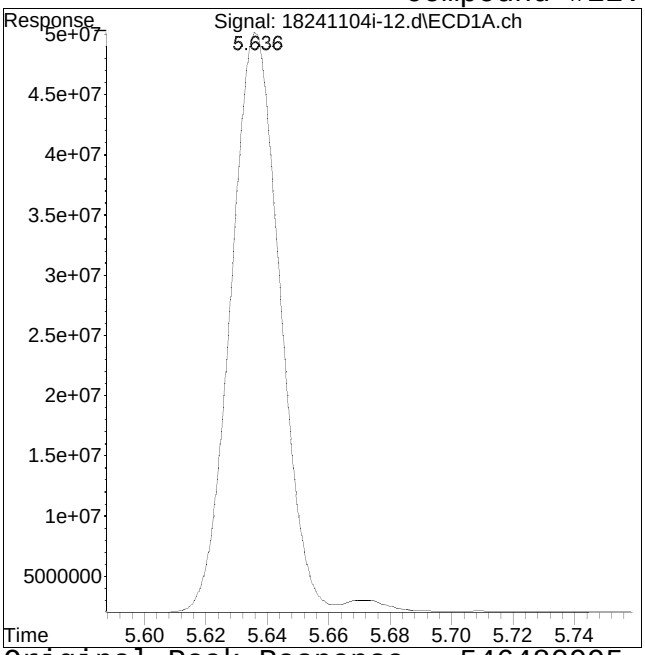


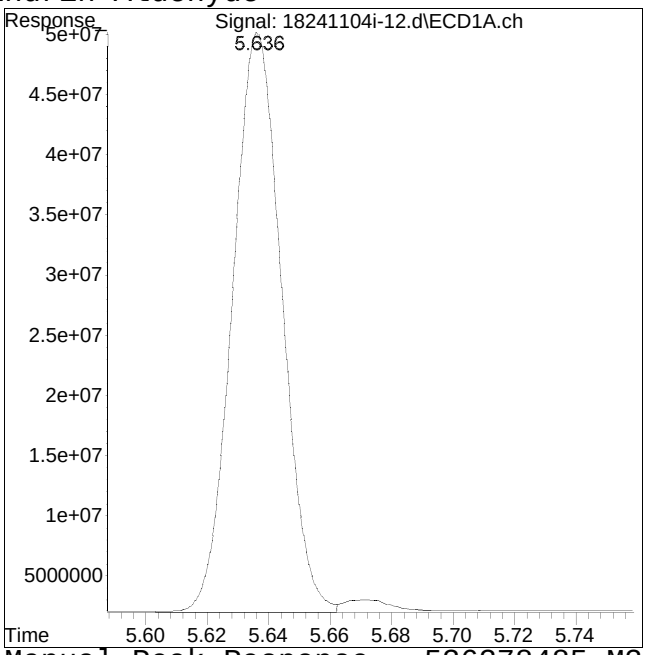
Original Peak Response = 679804057 Manual Peak Response = 671925947 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-12.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:17 pm Instrument : Pest 18
Sample : il10pest,42e,,pp 11879 L0.Quant Date : 11/5/2024 9:27 am

Compound #22: Endrin Aldehyde



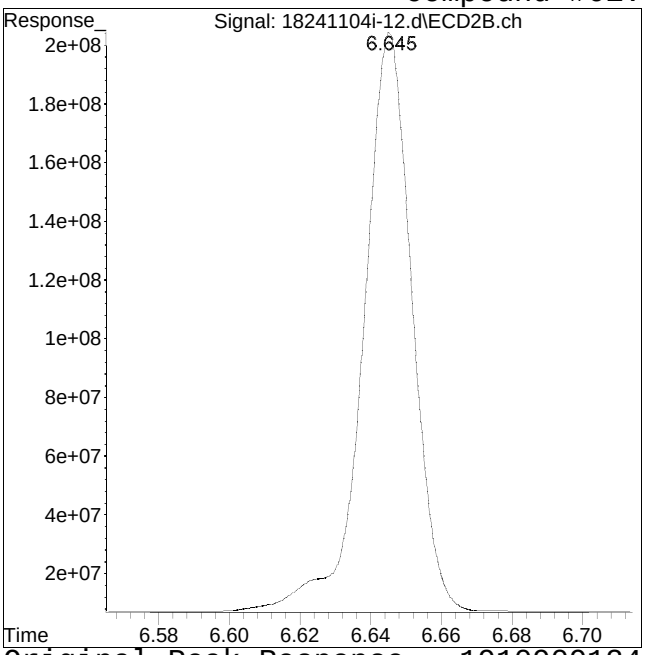


Original Peak Response = 546480995 Manual Peak Response = 536378485 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

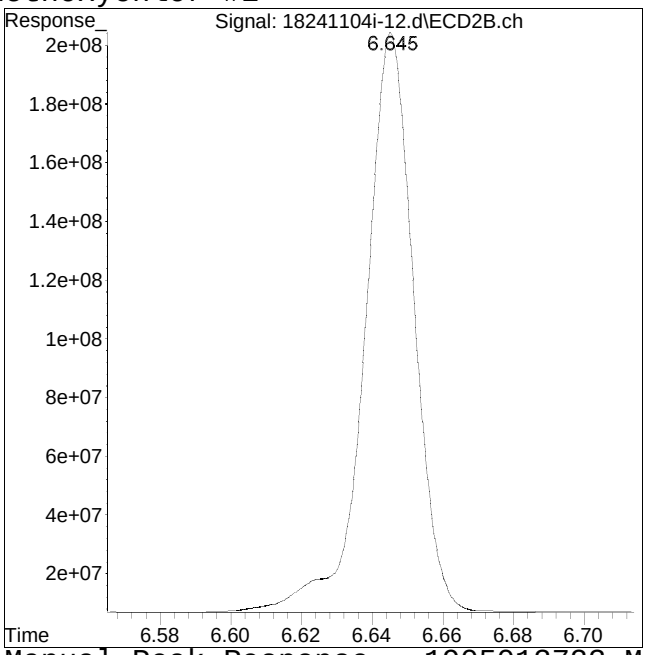
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-12.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:17 pm Instrument : Pest 18
Sample : il10pest,42e,,pp 11879 L0.Quant Date : 11/5/2024 9:27 am

Compound #61: Methoxychlor #2



Original Peak Response = 1910909124



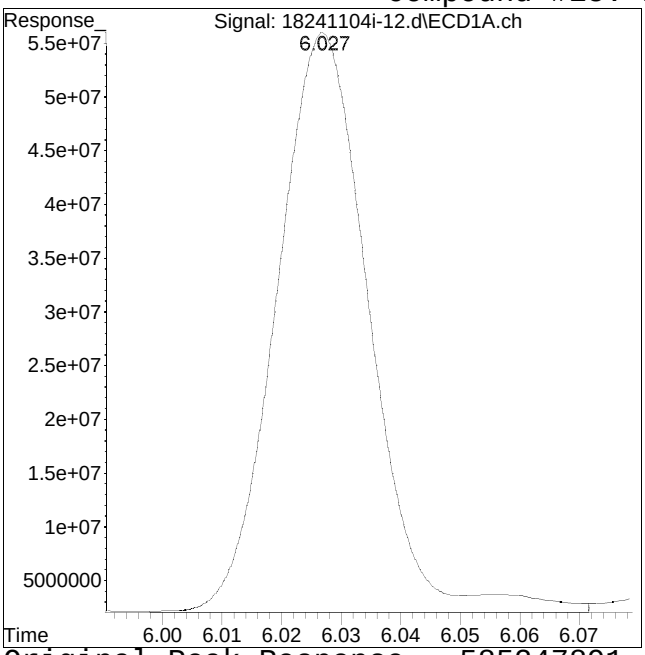
Manual Peak Response = 1905013723 M4

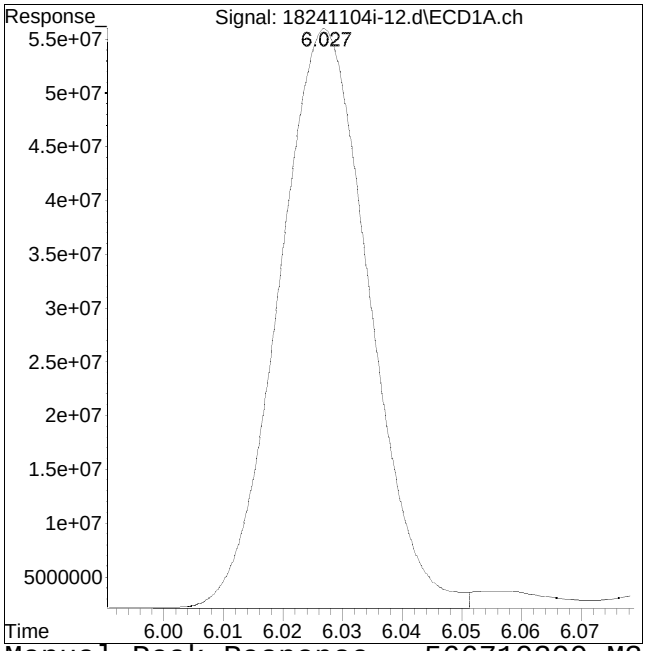
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-12.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:17 pm Instrument : Pest 18
Sample : il10pest,42e,,pp 11879 L0.Quant Date : 11/5/2024 9:27 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 585247891 Manual Peak Response = 566710290 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\Pest18\2024\241104ICAL\
Data File : 18241104i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:29 pm
Operator : PEST18:kab
Sample : il11pest,42e,,pp 11879 L0.4
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:23:05 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:22:54 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.781	1.878	70248778	448.8E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.227	2.458	1202.6E6	7288.5E6	400.000	400.000
	Spiked Amount 50.000	Range 30 - 150		Recovery =		800.00%#	800.00%#
27) s	Decachlorobi	7.054	7.693	1237.5E6	5764.5E6	400.000	400.000
	Spiked Amount 50.000	Range 30 - 150		Recovery =		800.00%#	800.00%#
	Target Compounds						
3)	Hexachlorobe	2.477	2.817	1243.4E6	7651.3E6	400.000	400.000
4)	alpha-BHC	2.593	2.927	1651.6E6	11953.4E6	400.000	400.000
5)	gamma-BHC (l	2.821	3.237	1502.0E6	10638.8E6	400.000	400.000
6)	beta-BHC	2.887	3.309	690.9E6	4299.0E6	400.000	400.000
7)	delta-BHC	3.026	3.592	1543.5E6	11099.7E6	400.000	400.000
8)	Heptachlor	3.203	3.656	1373.3E6	8966.4E6	400.000	400.000
9)	Aldrin	3.463	3.990	1447.8E6	8707.6E6	400.000	400.000
10)	Alachlor	3.601	3.877	181.1E6	963.1E6	400.000	400.000
11)	Chlorpyrifos	3.699	4.245	579.0E6	3469.7E6	400.000	400.000
12)	Heptachlor E	4.041	4.631	1327.1E6	8063.0E6	400.000	400.000
13)	gamma-Chlord	4.171	4.858	1260.7E6	7836.9E6	400.000	400.000
14)	alpha-Chlord	4.312	5.027	1439.3E6	8654.5E6	400.000	400.000
15)	4,4'-DDE	4.417	5.226	1488.8E6	9025.0E6	400.000	400.000
16)	Endosulfan I	4.452	5.087	1290.8E6	7755.8E6	400.000	400.000
17)	Dieldrin	4.722	5.380	1395.6E6	8643.5E6	400.000	400.000
18)	Endrin	4.979	5.677	1388.2E6	8580.5E6	400.000	400.000
19)	4,4'-DDD	5.091	5.800	1178.8E6	7633.7E6	400.000	400.000
20)	Endosulfan I	5.218	5.877	1202.7E6	7412.6E6	400.000	400.000
21)	4,4'-DDT	5.382	6.077	1217.0E6	8306.2E6	400.000	400.000
22)	Endrin Aldeh	5.633	6.174	1050.6E6	6381.6E6	391.260M3	400.000

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:29 pm
Operator : PEST18:kab
Sample : il11pest,42e,,pp 11879 L0.4
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:23:05 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:22:54 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	ug/l	ug/l
23)	Methoxychlor	5.868	6.642	612.0E6	3891.0E6	400.000	400.580M4
24)	Mirex	5.925	6.781	1036.7E6	5807.3E6	400.000	400.000
25)	Endosulfan S	6.023	6.403	1117.8E6	7497.6E6	387.849M3	400.000
26)	Endrin Keton	6.251	6.817	1278.1E6	7750.9E6	400.000	400.000
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

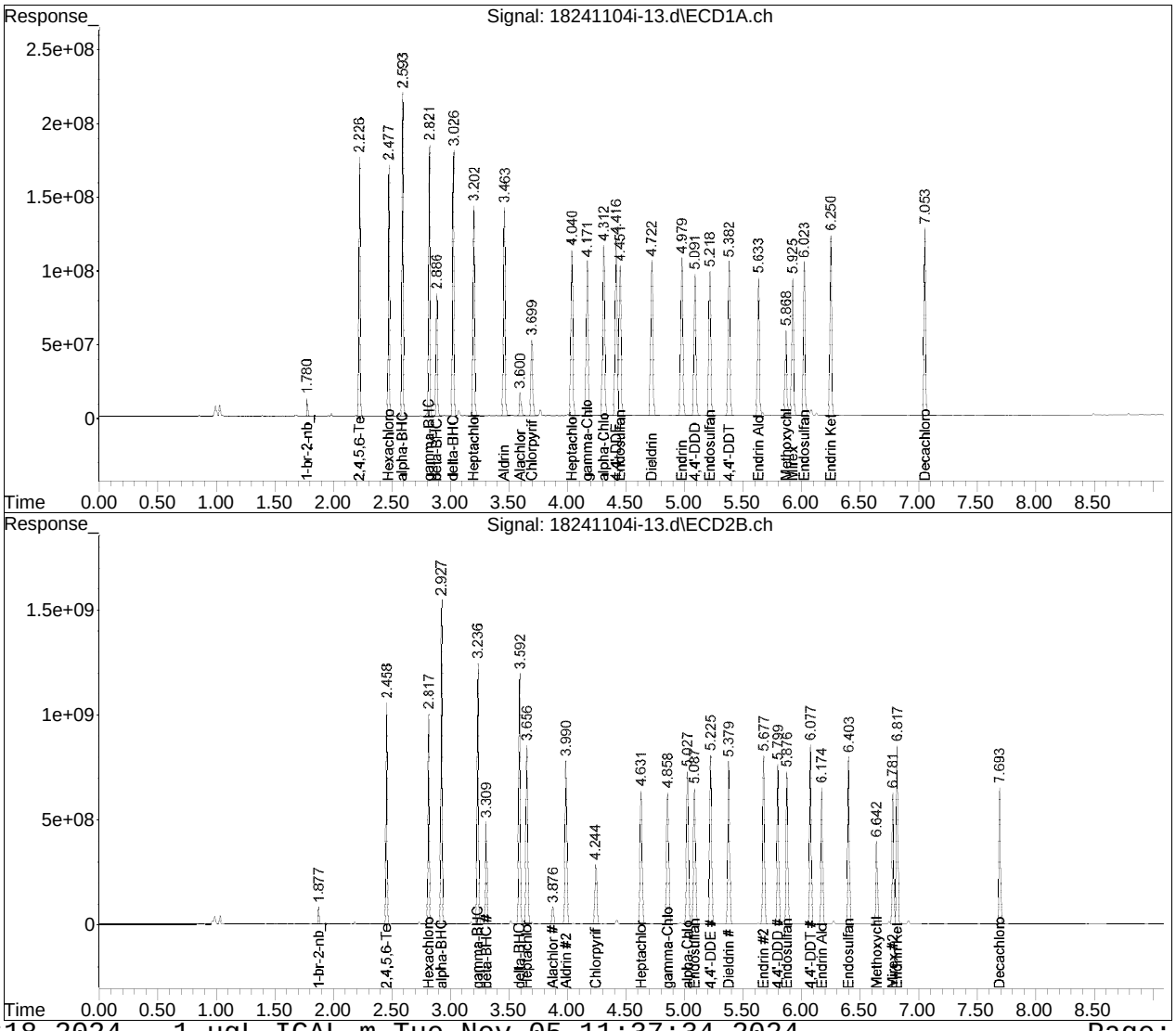
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:29 pm
Operator : PEST18:kab
Sample : il11pest,42e,,pp 11879 L0.4
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 09:23:05 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 09:22:54 2024
Response via : Initial Calibration
Integrator: ChemStation

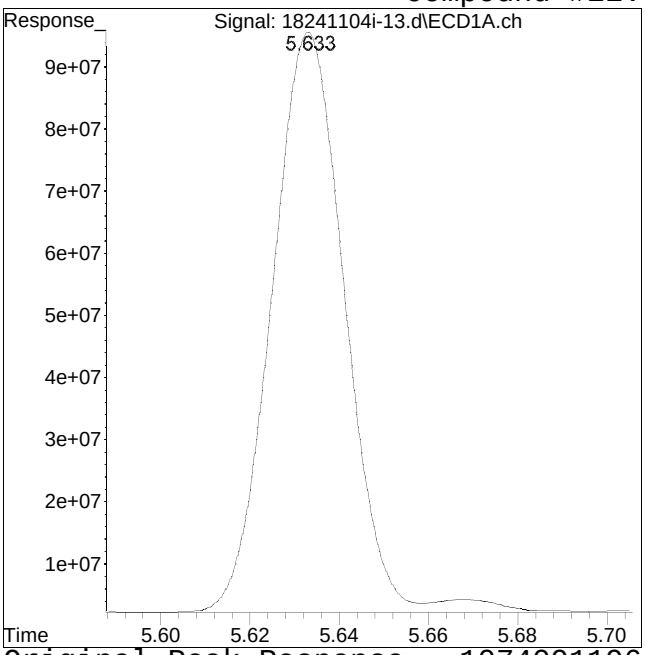
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

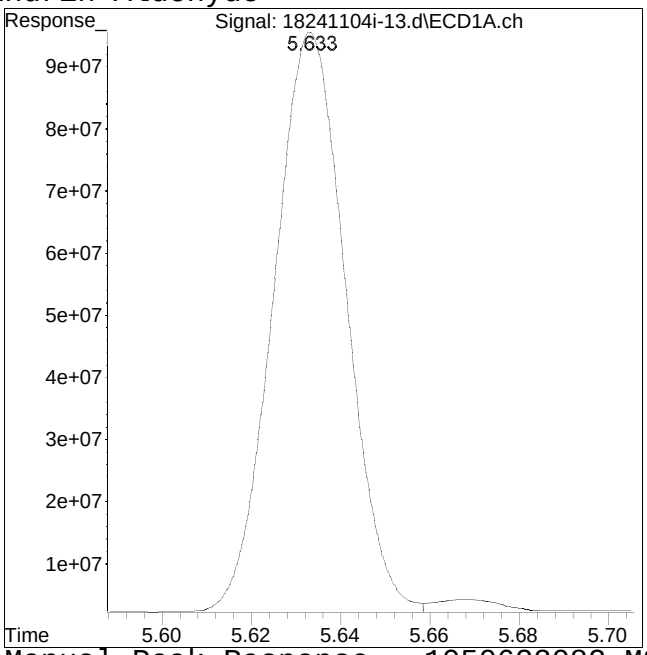


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-13.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:29 pm Instrument : Pest 18
Sample : il11pest,42e,,pp 11879 L0.Quant Date : 11/5/2024 9:23 am

Compound #22: Endrin Aldehyde



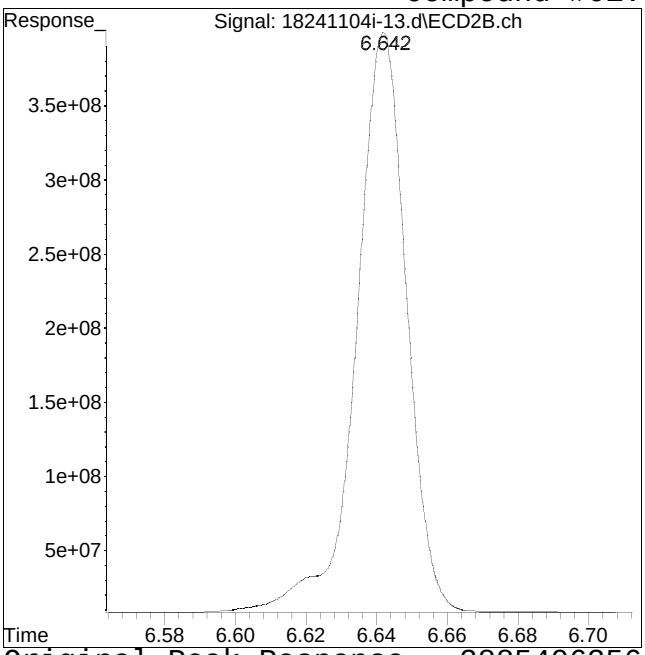


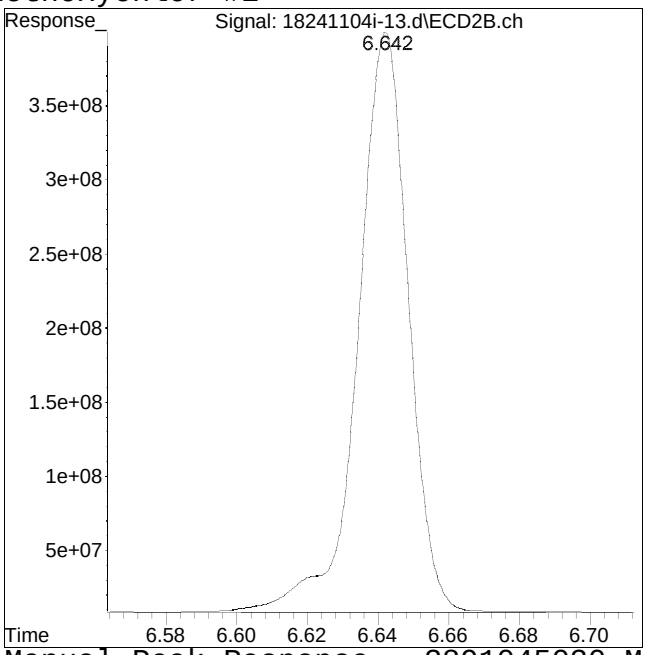
Original Peak Response = 1074091196 Manual Peak Response = 1050622082 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-13.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:29 pm Instrument : Pest 18
Sample : il11pest,42e,,pp 11879 L0.Quant Date : 11/5/2024 9:23 am

Compound #61: Methoxychlor #2



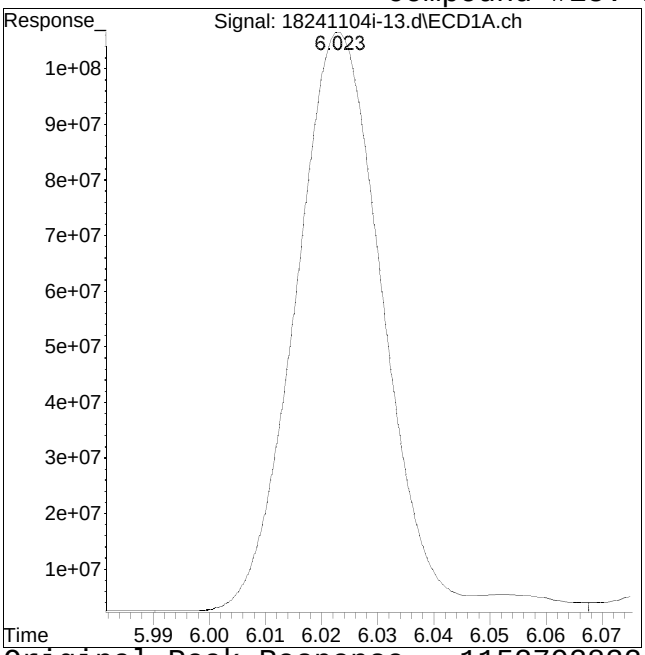


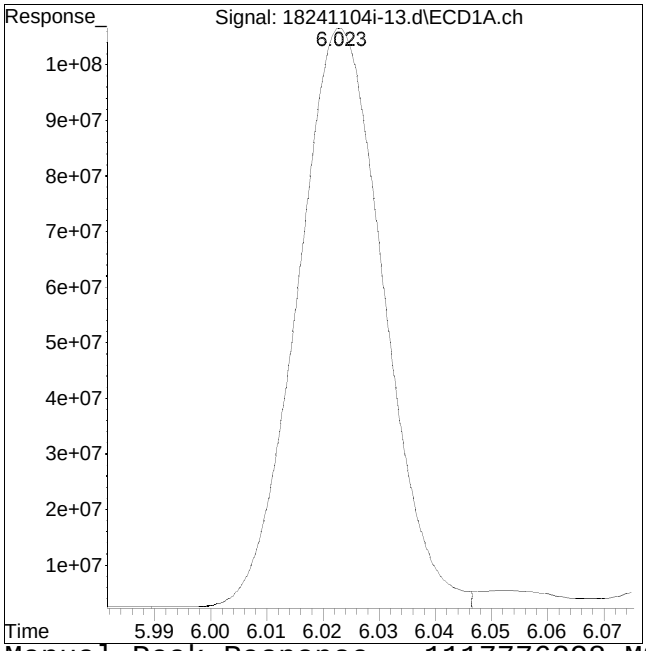
Original Peak Response = 3885406356 Manual Peak Response = 3891045030 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-13.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 7:29 pm Instrument : Pest 18
Sample : il11pest,42e,,pp 11879 L0.Quant Date : 11/5/2024 9:23 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 1152793832 Manual Peak Response = 1117776228 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\Pest18\2024\241104ICAL\
Data File : 18241104i-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024   7:41 pm
Operator : PEST18:kab
Sample   : cicvpest,42e,,pp 11868 L0.05ICV
Misc   : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:39:28 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:39:28 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	104	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.281	1.263	1.4	105	0.00
3		Hexachlorobenzene		1.410	1.298	7.9	104	0.00
4		alpha-BHC		1.573	1.601	-1.8	103	0.00
5		gamma-BHC (lindane)	*	50.000	52.242	-4.5	102	0.00
6		beta-BHC		0.757	0.678	10.4	102	0.00
7		delta-BHC		1.448	1.317	9.0	93	0.00
8		Heptachlor		1.429	1.369	4.2	103	0.00
9		Aldrin		1.418	1.422	-0.3	105	0.00
10		Alachlor		0.215	0.195	9.3	101	0.00
11		Chlorpyrifos		0.714	0.621	13.0	103	0.00
12		Heptachlor Epoxide		1.364	1.294	5.1	102	0.00
13		gamma-Chlordane (trans)		1.323	1.367	-3.3	116	0.00
14		alpha-Chlordane (cis)		1.462	1.370	6.3	102	0.00
15		4,4'-DDE		1.420	1.392	2.0	102	0.00
16		Endosulfan I		1.316	1.248	5.2	102	0.00
17		Dieldrin		1.386	1.410	-1.7	110	0.00
18		Endrin		1.370	1.309	4.5	101	0.00
19		4,4'-DDD		1.116	1.137	-1.9	107	0.00
20		Endosulfan II		1.201	1.161	3.3	104	0.00
21		4,4'-DDT		1.194	1.119	6.3	100	0.00
22		Endrin Aldehyde	*	50.000	43.838	12.3	87	0.00
23		Methoxychlor		0.701	0.620	11.6	99	0.00
24		Mirex		1.170	1.055	9.8	104	0.00
25		Endosulfan Sulfate		1.161	1.010	13.0	95	0.00
26		Endrin Ketone		1.347	1.280	5.0	102	0.00
27	s	Decachlorobiphenyl	*	50.000	52.873	-5.7	103	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024   7:41 pm
Operator : PEST18:kab
Sample   : cicvpest,42e,,pp 11868 L0.05ICV
Misc   : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:39:28 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:39:28 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.068	1.040	2.6	100	0.00
3		Hexachlorobenzene		1.166	1.071	8.1	100	0.00
4		alpha-BHC		1.483	1.471	0.8	96	0.00
5		gamma-BHC (lindane)		1.439	1.317	8.5	94	0.00
6		beta-BHC		0.644	0.576	10.6	94	0.00
7		delta-BHC		1.385	1.231	11.1	86	0.00
8		Heptachlor		1.324	1.269	4.2	94	0.00
9		Aldrin		1.229	1.222	0.6	98	0.00
10		Alachlor		0.181	0.165	8.8	94	0.00
11		Chlorpyrifos	*	50.000	55.886	-11.8	99	0.00
12		Heptachlor Epoxide		1.215	1.135	6.6	96	0.00
13		gamma-Chlordane (trans)		1.098	1.179	-7.4	110	0.00
14		alpha-Chlordane (cis)		1.235	1.144	7.4	96	0.00
15		4,4'-DDE		1.187	1.164	1.9	95	0.00
16		Endosulfan I		1.157	1.074	7.2	96	0.00
17		Dieldrin		1.166	1.205	-3.3	103	0.00
18		Endrin		1.190	1.132	4.9	96	0.00
19		4,4'-DDD		0.991	0.984	0.7	100	0.00
20		Endosulfan II		1.034	0.986	4.6	97	0.00
21		4,4'-DDT		1.100	1.016	7.6	93	0.00
22		Endrin Aldehyde	*	50.000	41.185	17.6	82	0.00
23		Methoxychlor	*	50.000	48.518	3.0	88	0.00
24		Mirex	*	50.000	53.023	-6.0	98	0.00
25		Endosulfan Sulfate		1.037	0.903	12.9	89	0.00
26		Endrin Ketone		1.109	1.045	5.8	96	0.00
27	s	Decachlorobiphenyl	*	50.000	52.367	-4.7	97	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024   7:41 pm
Operator : PEST18:kab
Sample   : cicvpest,42e,,pp 11868 L0.05ICV
Misc   : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:39:28 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:39:28 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.78#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.20#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.58#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.17#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.30#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.78#
34	l2	toxaphene-1		0.073	0.000	100.0#	0#	-5.20#
35	l2	toxaphene-2		0.048	0.000	100.0#	0#	-5.33#
36	l2	toxaphene-3		0.054	0.000	100.0#	0#	-5.55#
37	l2	toxaphene-4		0.051	0.000	100.0#	0#	-5.92#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.88#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.51#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-4.15#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.85#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-5.02#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.88#
34	l2	toxaphene-1		0.023	0.000	100.0#	0#	-5.83#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.86#
36	l2	toxaphene-3		0.042	0.000	100.0#	0#	-6.18#
37	l2	toxaphene-4		0.039	0.000	100.0#	0#	-6.59#

* 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\Pest18\2024\241104ICAL\
Data File : 18241104i-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:41 pm
Operator : PEST18:kab
Sample : cicvpest,42e,,pp 11868 L0.05ICV
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:39:28 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:39:28 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.780	1.877	69490645	440.0E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.226	2.457	175.5E6	914.9E6	49.278	48.679
	Spiked Amount 50.000	Range 30 - 150		Recovery =		98.56%	97.36%
27) s	Decachlorobi	7.053	7.693	181.9E6	709.1E6	52.873	52.367
	Spiked Amount 50.000	Range 30 - 150		Recovery =		105.75%	104.73%
	Target Compounds						
3)	Hexachlorobe	2.477	2.817	180.4E6	942.5E6	46.014	45.937
4)	alpha-BHC	2.593	2.926	222.5E6	1294.3E6	50.901	49.600
5)	gamma-BHC (l	2.821	3.236	198.8E6	1158.7E6	52.242	45.758
6)	beta-BHC	2.886	3.310	94242256	506.5E6	44.780	44.702
7)	delta-BHC	3.026	3.592	183.1E6	1083.3E6	45.479	44.431
8)	Heptachlor	3.202	3.656	190.3E6	1116.8E6	47.920	47.927
9)	Aldrin	3.462	3.990	197.7E6	1075.3E6	50.132	49.710
10)	Alachlor	3.600	3.877	27054995	145.6E6	45.325	45.718
11)	Chlorpyrifos	3.699	4.245	86267254	513.7E6	43.484	55.886
12)	Heptachlor E	4.040	4.631	179.8E6	999.0E6	47.442	46.727
13)	gamma-Chlord	4.171	4.858	190.0E6	1037.3E6	51.658	53.676
14)	alpha-Chlord	4.312	5.027	190.4E6	1006.6E6	46.856	46.301
15)	4,4'-DDE	4.417	5.225	193.5E6	1023.8E6	49.046	49.016
16)	Endosulfan I	4.452	5.087	173.4E6	945.2E6	47.399	46.423
17)	Dieldrin	4.722	5.379	195.9E6	1060.3E6	50.861	51.656
18)	Endrin	4.978	5.677	182.0E6	995.8E6	47.801	47.557
19)	4,4'-DDD	5.091	5.799	158.1E6	865.7E6	50.951	49.627
20)	Endosulfan I	5.218	5.876	161.3E6	868.0E6	48.315	47.689
21)	4,4'-DDT	5.382	6.076	155.6E6	893.8E6	46.879	46.149
22)	Endrin Aldeh	5.633	6.173	118.0E6	626.6E6	43.838	41.185
23)	Methoxychlor	5.868	6.642	86211858	464.6E6	44.227	48.518

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:41 pm
Operator : PEST18:kab
Sample : cicvpest,42e,,pp 11868 L0.05ICV
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:39:28 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:39:28 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	ug/l	ug/l
24)	Mirex	5.925	6.780	146.7E6	700.2E6	45.094	53.023
25)	Endosulfan S	6.023	6.402	140.3E6	794.4E6	43.495	43.523
26)	Endrin Keton	6.250	6.816	177.8E6	919.6E6	47.509	47.109
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

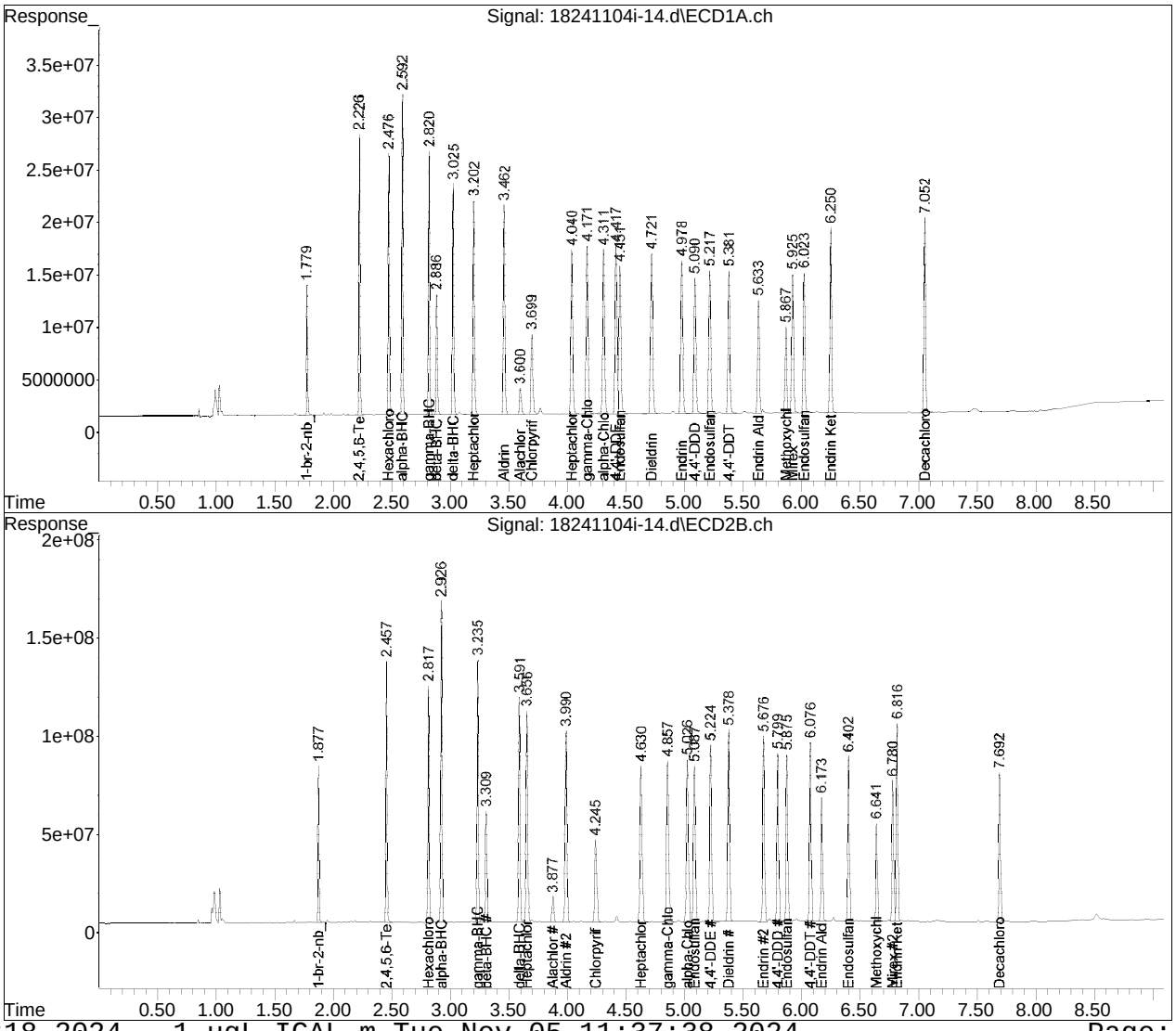
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 7:41 pm
Operator : PEST18:kab
Sample : cicvpest,42e,,pp 11868 L0.05ICV
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:39:28 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:39:28 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\Pest18\2024\241104	QMethod	: pest18_2024_11_01_ugL_IC
Data File	: 18241104i-14.d	Operator	: PEST18:kab
Date Inj'd	: 11/4/2024 7:41 pm	Instrument	: Pest 18
Sample	: cicvpest,42e,,pp 11868 L0.	Quant Date	: 11/5/2024 10:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:05 pm
Operator : PEST18:kab
Sample : il3chlor,42e,,pp 11877 L0.01
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:34:22 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:34:14 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.780	1.877	66964377	451.1E6	25.000	25.000
33) i	1-br-2-nb_To	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.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin	0.000	0.000	0	0	N.D.	N.D.
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:05 pm
Operator : PEST18:kab
Sample : il3chlor,42e,,pp 11877 L0.01
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:34:22 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:34:14 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	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D.	N.D.
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	3.200	3.511	2968184	8817364	13.434M4	12.797
30) l1	chlordane-3	3.583	4.149	2117013	9938429	13.850M4	13.322M3
31) l1	chlordane-4	4.168	4.854	7305599	32016584	14.315	11.673
32) l1	chlordane-5	4.302	5.024	10572473	27487220	13.504	12.601
Sum	chlordane-1			22963269	78259597	NoCal	NoCal D
Average	chlordane-1					13.776	12.598
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D.	N.D.
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D.	N.D.
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

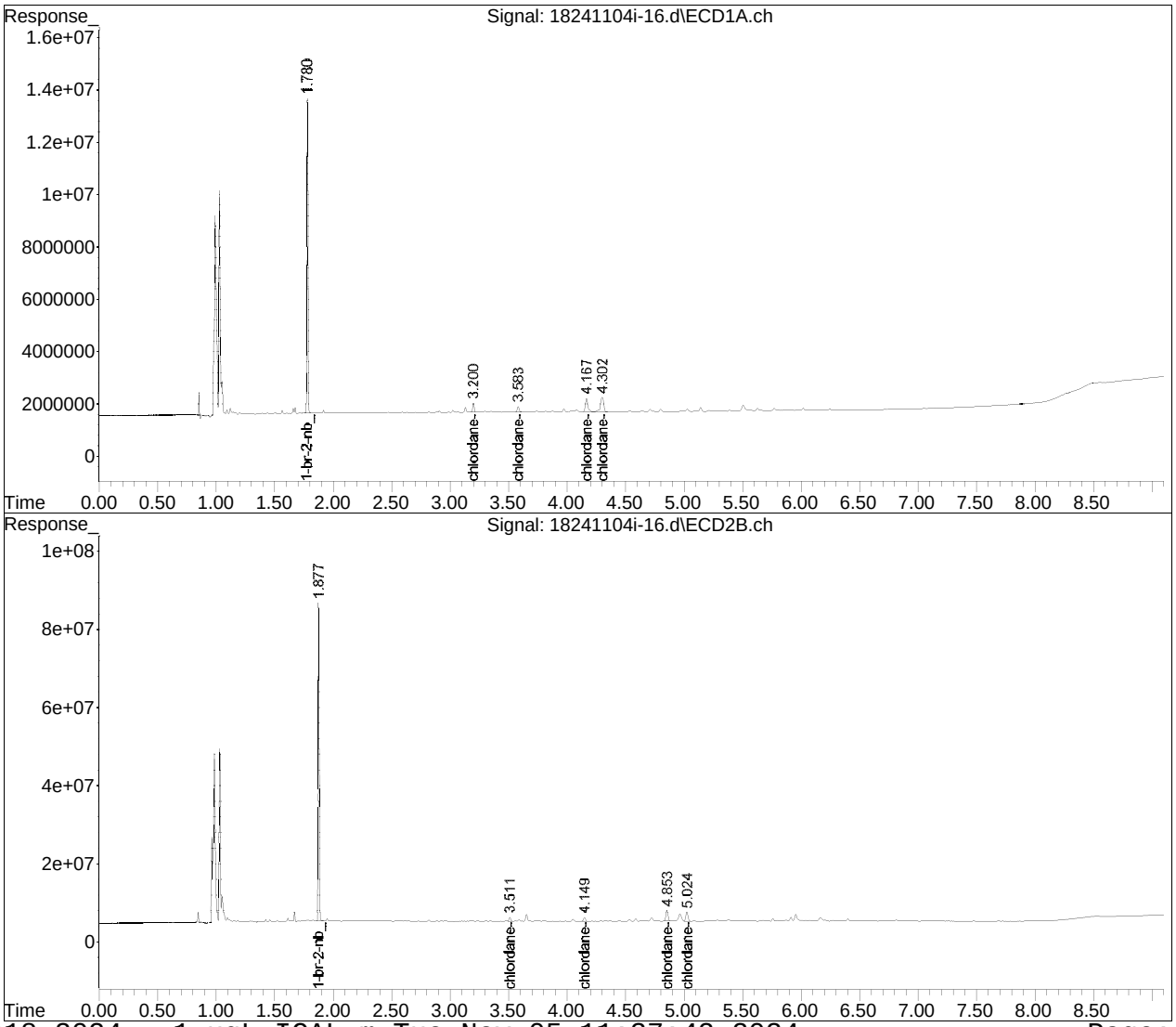
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:05 pm
Operator : PEST18:kab
Sample : il3chlor,42e,,pp 11877 L0.01
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:34:22 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:34:14 2024
Response via : Initial Calibration
Integrator: ChemStation

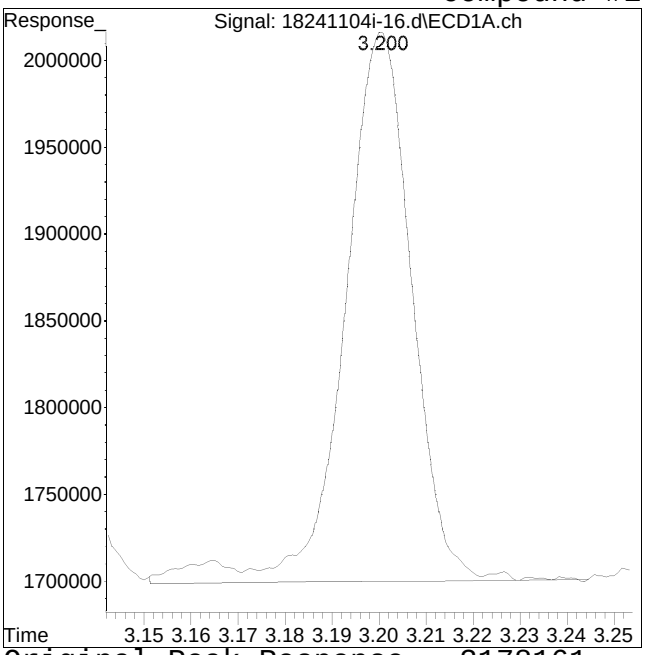
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



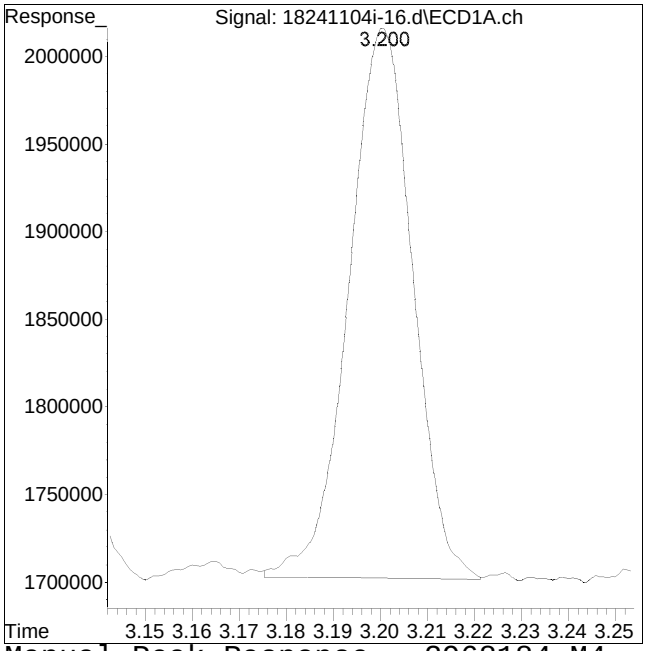
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-16.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 8:05 pm Instrument : Pest 18
Sample : il3chlor,42e,,pp 11877 L0.Quant Date : 11/5/2024 10:34 am

Compound #29: chlordane-1



Original Peak Response = 3178161



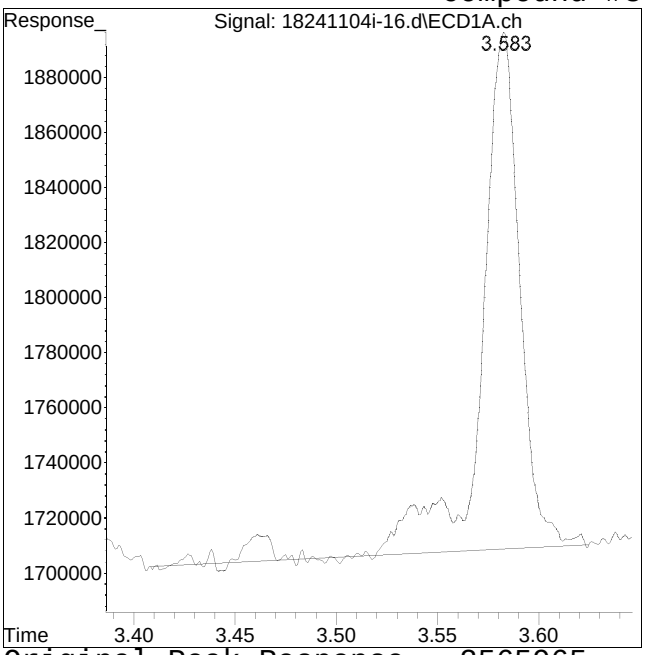
Manual Peak Response = 2968184 M4

M4 = Poor automated baseline construction.

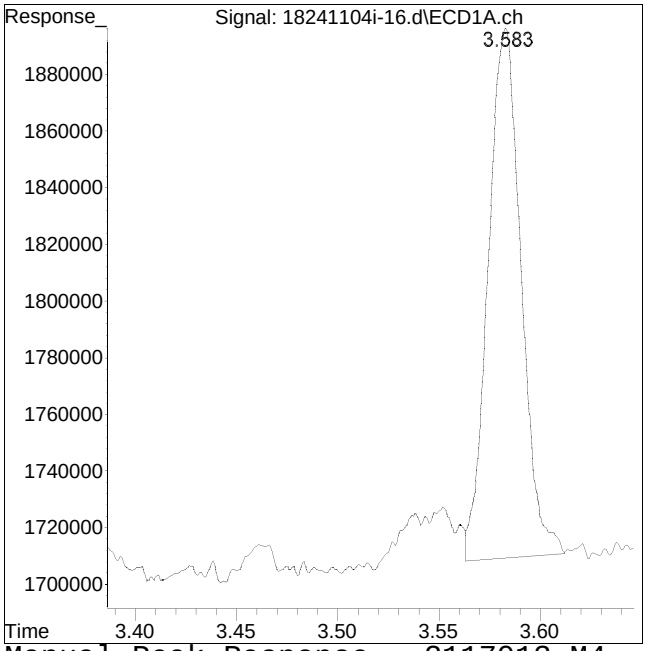
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-16.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 8:05 pm Instrument : Pest 18
Sample : il3chlor,42e,,pp 11877 L0.Quant Date : 11/5/2024 10:34 am

Compound #30: chlordane-3



Original Peak Response = 2565965



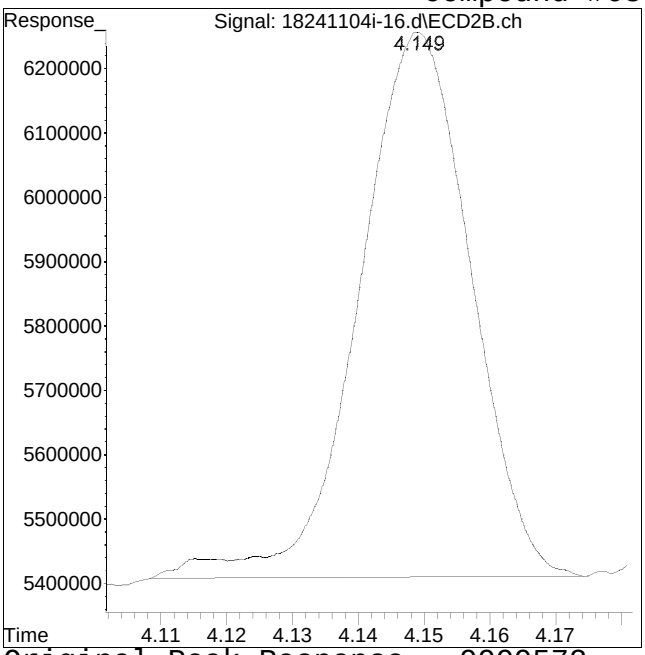
Manual Peak Response = 2117013 M4

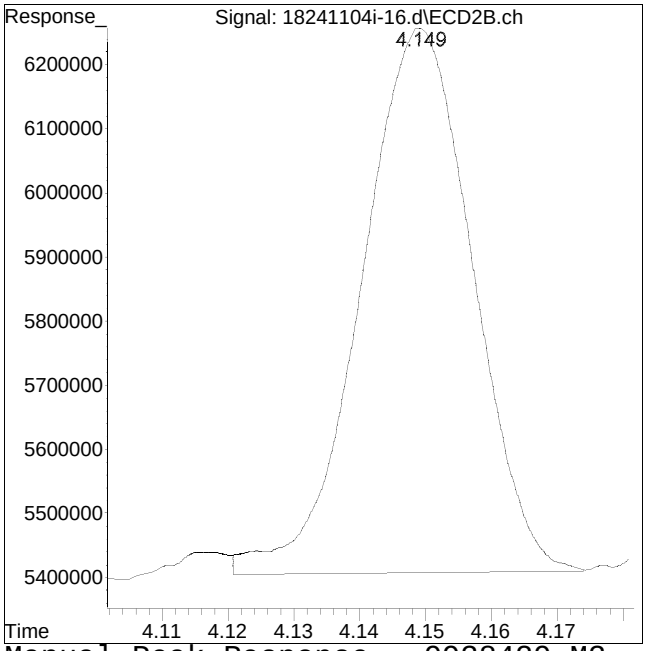
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-16.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 8:05 pm Instrument : Pest 18
Sample : il3chlor,42e,,pp 11877 L0.Quant Date : 11/5/2024 10:34 am

Compound #68: chlordane-3 #2





Original Peak Response = 9999572 Manual Peak Response = 9938429 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\Pest18\2024\241104ICAL\
Data File : 18241104i-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:17 pm
Operator : PEST18:kab
Sample : il4chlor,42e,,pp 11877 L0.02
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:33:24 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:33:08 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.780	1.878	63452152	419.2E6	25.000	25.000
33) i	1-br-2-nb_To	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.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D.	N.D.
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:17 pm
Operator : PEST18:kab
Sample : il4chlor,42e,,pp 11877 L0.02
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:33:24 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:33:08 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	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D.	N.D.
25)	Endosulfan S	0.000	0.000	0	0	N.D.	N.D.
26)	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	3.199	3.511	5355260	15120484	27.091M4	24.507
30) l1	chlordane-3	3.580	4.149	3808726	16780480	28.064M4	25.273M3
31) l1	chlordane-4	4.166	4.853	12577144	53522735	27.670	21.215
32) l1	chlordane-5	4.300	5.023	18648906	44953966	26.499	22.675
Sum	chlordane-1			40390036	130.4E6	NoCal	NoCal D
Average	chlordane-1					27.331	23.418
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D.	N.D.
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D.	N.D.
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

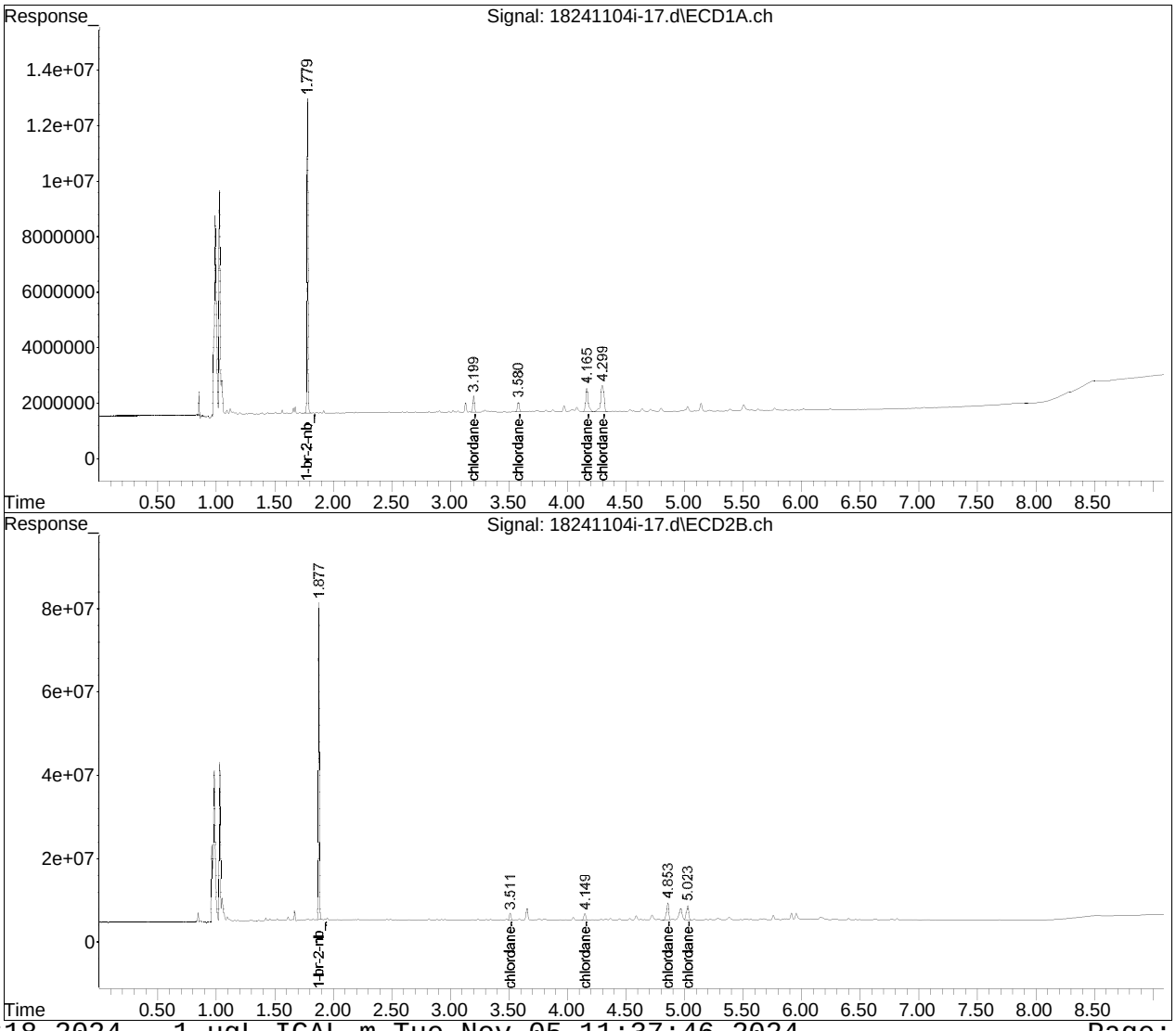
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:17 pm
Operator : PEST18:kab
Sample : il4chlor,42e,,pp 11877 L0.02
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:33:24 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:33:08 2024
Response via : Initial Calibration
Integrator: ChemStation

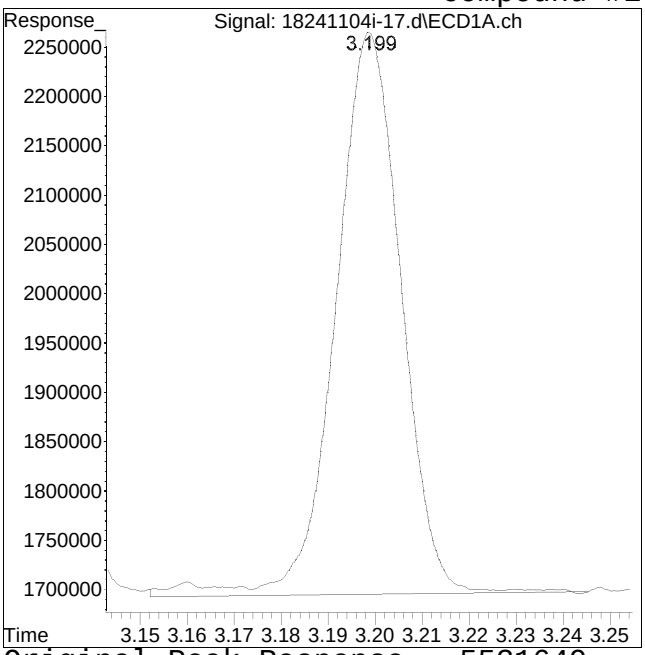
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



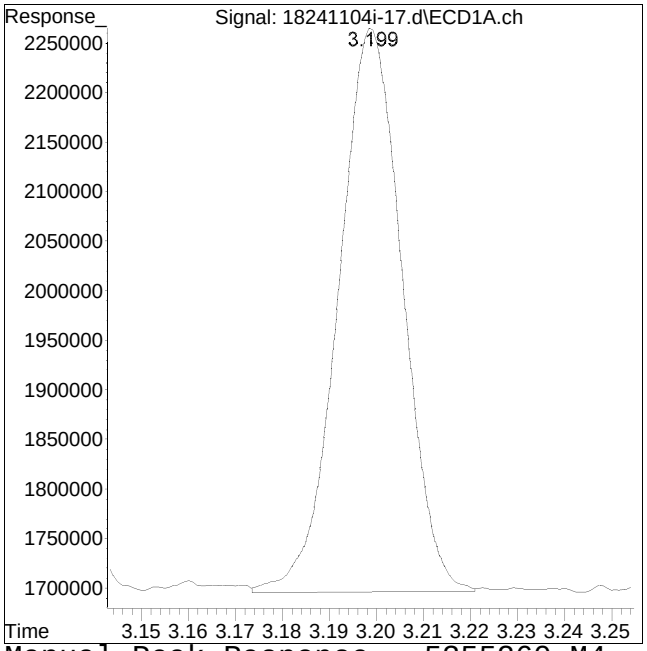
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-17.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 8:17 pm Instrument : Pest 18
Sample : il4chlor,42e,,pp 11877 L0.Quant Date : 11/5/2024 10:33 am

Compound #29: chlordane-1



Original Peak Response = 5531649



Manual Peak Response = 5355260 M4

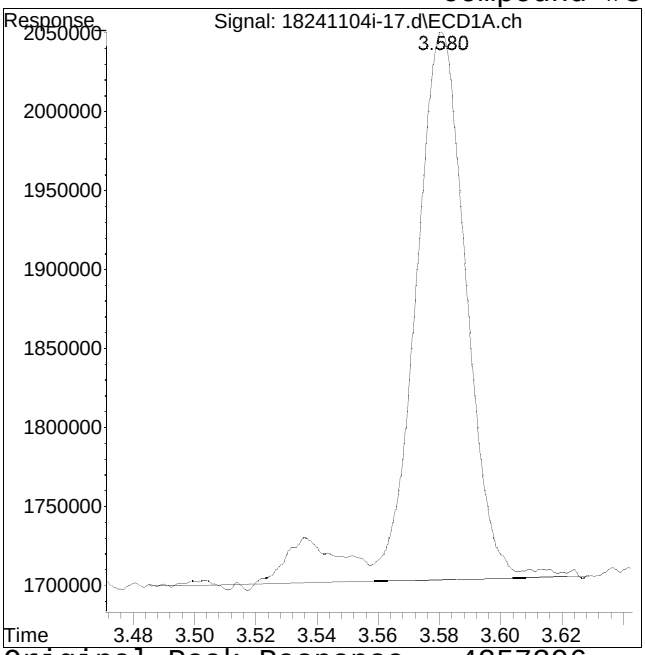
M4 = Poor automated baseline construction.

Manual Integration Report

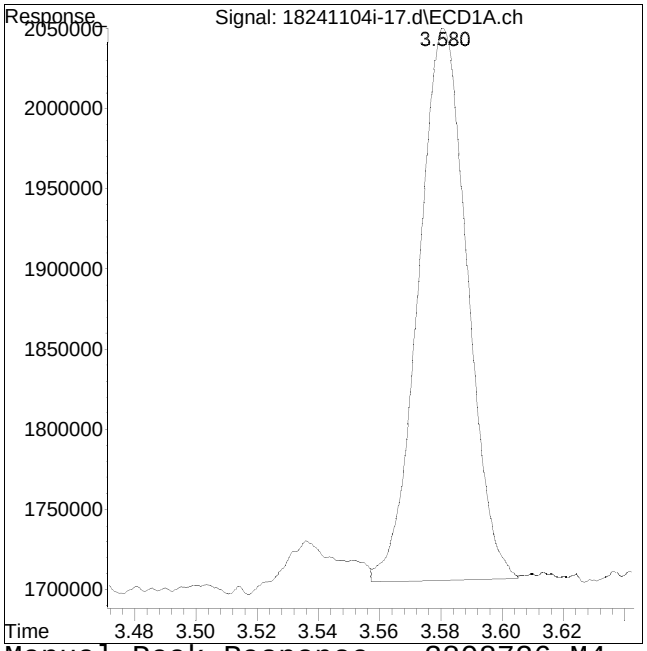
Data Path : I:\PEST\Pest18\2024\241104Q
Data File : 18241104i-17.d
Date Inj'd : 11/4/2024 8:17 pm
Sample : il4chlor,42e,,pp 11877 L0.

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:kab
Instrument : Pest 18
Quant Date : 11/5/2024 10:33 am

Compound #30: chlordane-3



Original Peak Response = 4257396



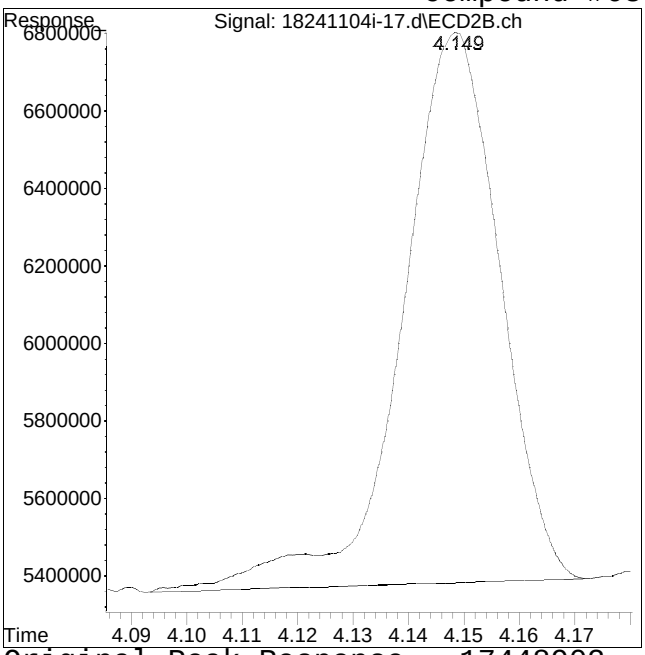
Manual Peak Response = 3808726 M4

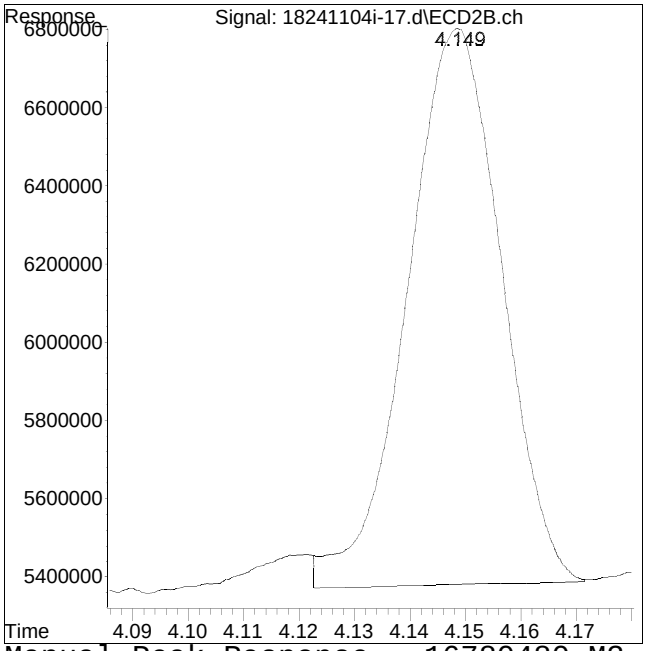
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-17.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 8:17 pm Instrument : Pest 18
Sample : il4chlor,42e,,pp 11877 L0.Quant Date : 11/5/2024 10:33 am

Compound #68: chlordane-3 #2





Original Peak Response = 17448902 Manual Peak Response = 16780480 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\Pest18\2024\241104ICAL\
Data File : 18241104i-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:29 pm
Operator : PEST18:kab
Sample : il5chlor,42e,,pp 11877 L0.1
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:31:10 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:31:02 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.780	1.878	64890892	412.4E6	25.000	25.000
33) i	1-br-2-nb_To	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.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:29 pm
Operator : PEST18:kab
Sample : il5chlor,42e,,pp 11877 L0.1
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:31:10 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:31:02 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	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D.	N.D.
25)	Endosulfan S	0.000	0.000	0	0	N.D.	N.D.
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	3.199	3.511	22849350	71205324	128.491	122.617
30) l1	chlordane-3	3.581	4.148	16832241	79554208	140.550	131.103M3
31) l1	chlordane-4	4.166	4.853	50773592	272.5E6	122.989	112.532
32) l1	chlordane-5	4.299	5.023	78904308	217.9E6	123.526	115.128
Sum	chlordane-1			169.4E6	641.2E6	NoCal	NoCal D
Average	chlordane-1					128.889	120.345
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D.	N.D.
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

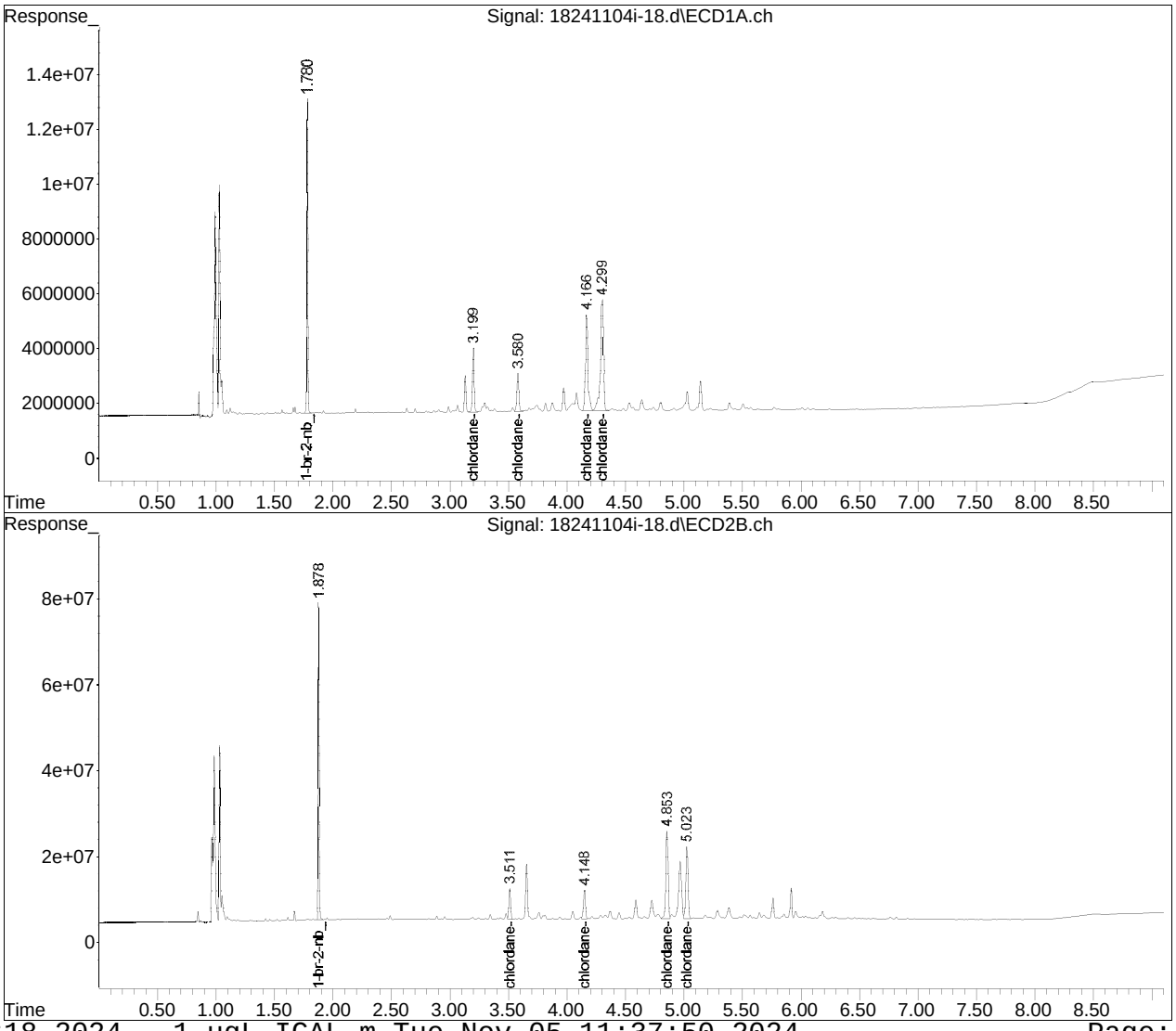
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:29 pm
Operator : PEST18:kab
Sample : il5chlor,42e,,pp 11877 L0.1
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:31:10 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:31:02 2024
Response via : Initial Calibration
Integrator: ChemStation

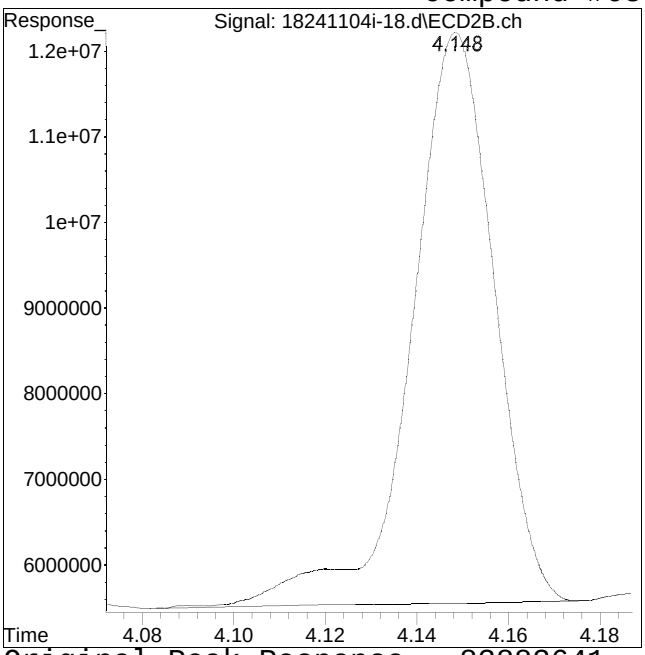
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

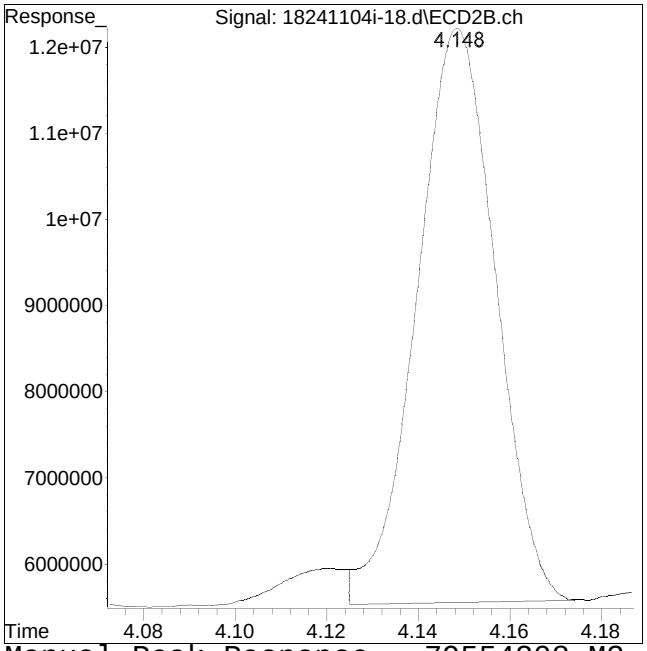


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-18.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 8:29 pm Instrument : Pest 18
Sample : il5chlor,42e,,pp 11877 L0.Quant Date : 11/5/2024 10:31 am

Compound #68: chlordane-3 #2





Original Peak Response = 83883641 Manual Peak Response = 79554208 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\Pest18\2024\241104ICAL\
Data File : 18241104i-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:41 pm
Operator : PEST18:kab
Sample : il7chlor,42e,,pp 11877 L0.5
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:30:36 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:30:22 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.780	1.879	67849030	406.0E6	25.000	25.000
33) i	1-br-2-nb_To	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	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:41 pm
Operator : PEST18:kab
Sample : il7chlor,42e,,pp 11877 L0.5
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:30:36 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:30:22 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	ug/l	ug/l	
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29)	l1	chlordane-1	3.199	3.511	108.8E6	326.4E6	465.045	461.474	
30)	l1	chlordane-3	3.581	4.149	76197238	351.1E6	490.869	475.907	
31)	l1	chlordane-4	4.166	4.854	251.7E6	1315.6E6	462.632	444.522	
32)	l1	chlordane-5	4.299	5.024	392.8E6	1038.1E6	468.496	450.900	
	Sum	chlordane-1			829.5E6	3031.2E6	NoCal	NoCal	D
Average		chlordane-1					471.761	458.201	
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

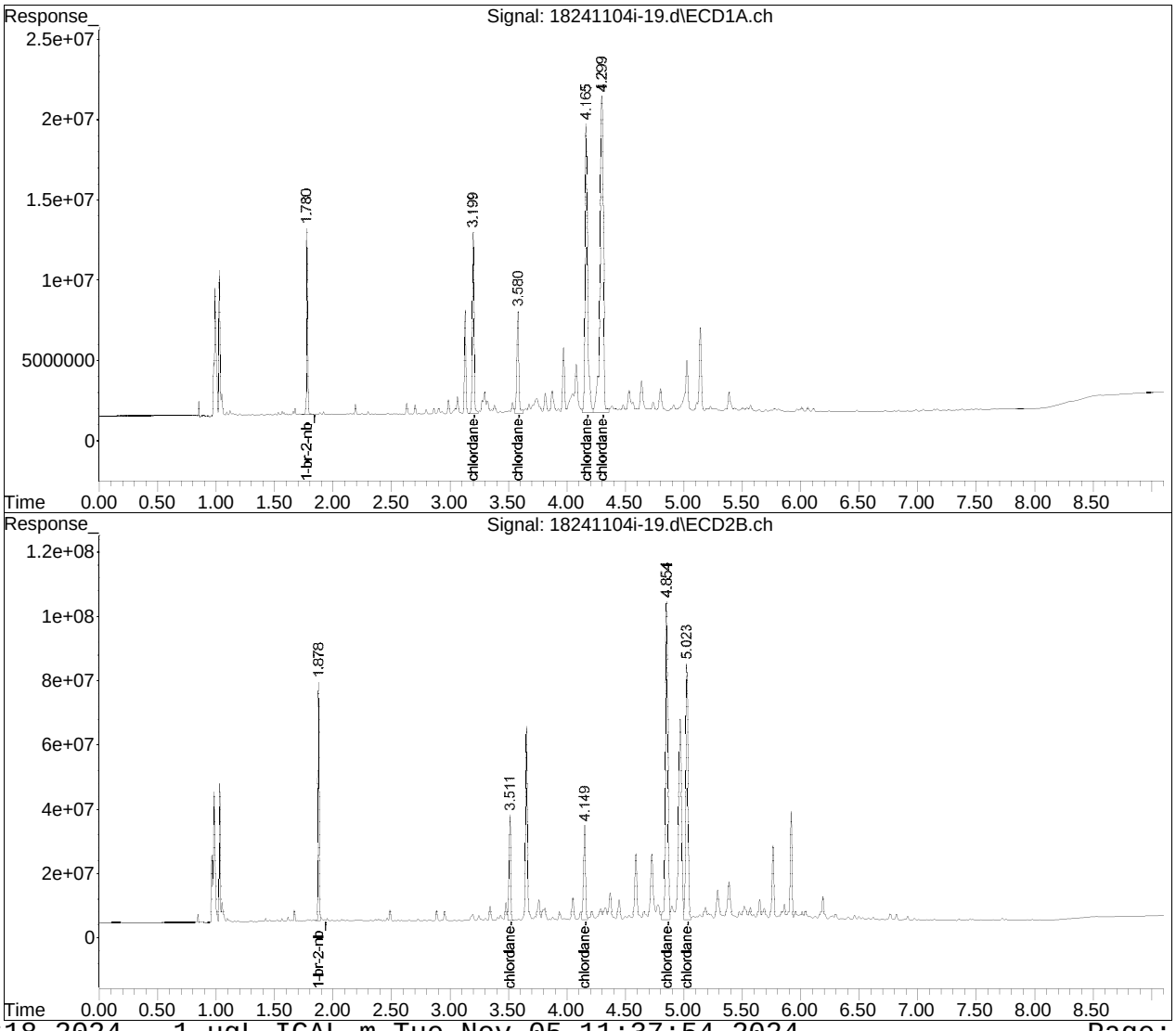
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:41 pm
Operator : PEST18:kab
Sample : il7chlor,42e,,pp 11877 L0.5
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:30:36 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:30:22 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\Pest18\2024\241104	QMethod	: pest18_2024_11_01_ugL_IC
Data File	: 18241104i-19.d	Operator	: PEST18:kab
Date Inj'd	: 11/4/2024 8:41 pm	Instrument	: Pest 18
Sample	: il7chlor,42e,,pp 11877 L0	Quant Date	: 11/5/2024 10:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-20.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:53 pm
Operator : PEST18:kab
Sample : il8chlor,42e,,pp 11877 L1.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:27:58 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:27:48 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.780	1.878	67286916	444.1E6	25.000M3	25.000
33) i	1-br-2-nb_To	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	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-20.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:53 pm
Operator : PEST18:kab
Sample : il8chlor,42e,,pp 11877 L1.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:27:58 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:27:48 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	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.200	3.511	213.0E6	653.7E6	1005.748	997.320
30)	l1	chlordane-3	3.581	4.149	141.6E6	691.5E6	1047.989	929.600
31)	l1	chlordane-4	4.167	4.854	495.2E6	2699.4E6	1047.989	1000.000
32)	l1	chlordane-5	4.300	5.024	763.0E6	2095.1E6	1047.989	1000.000
	Sum	chlordane-1			1612.7E6	6139.7E6	NoCal	NoCal D
Average		chlordane-1					1037.429	981.730
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

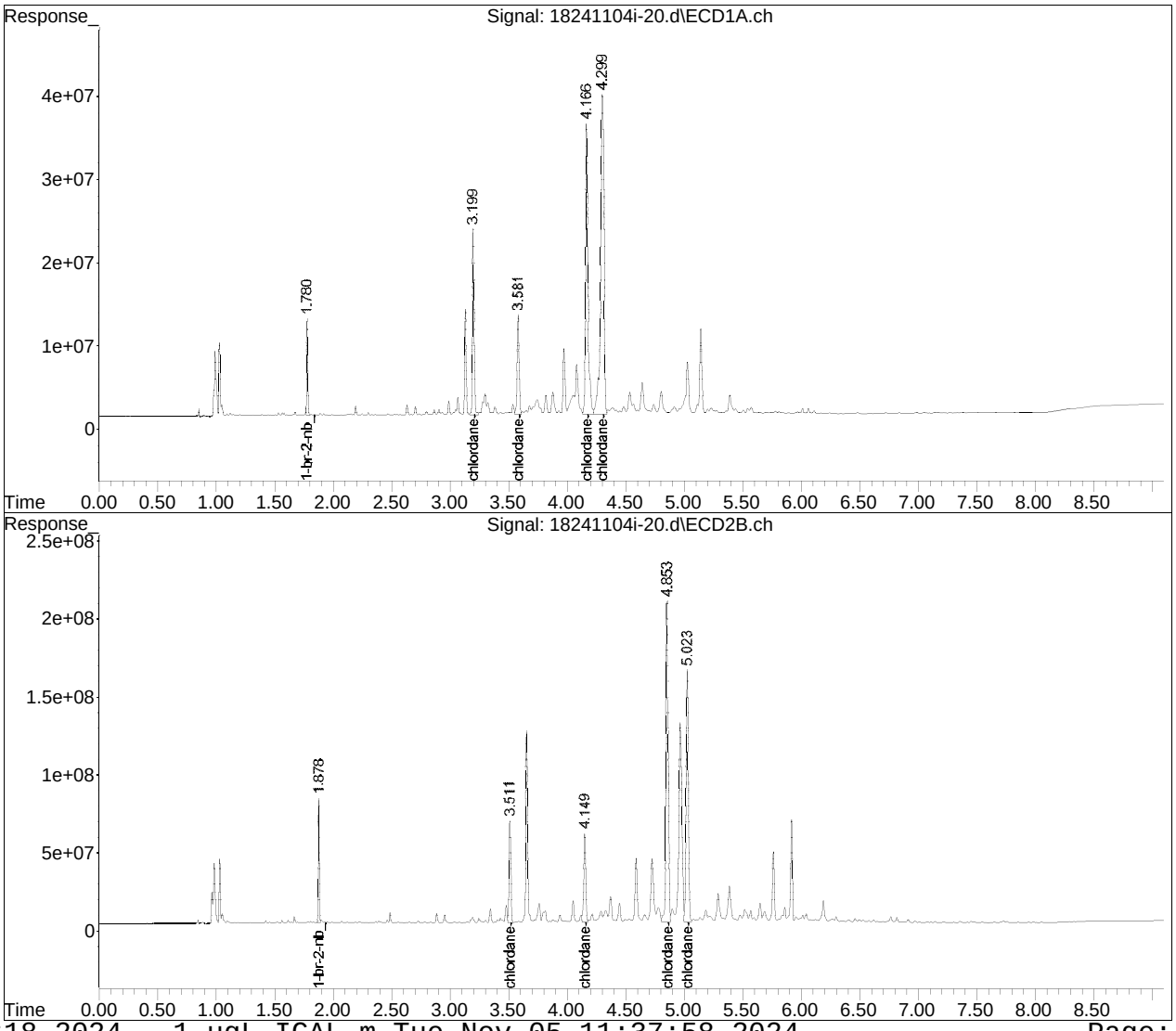
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-20.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 8:53 pm
Operator : PEST18:kab
Sample : il8chlor,42e,,pp 11877 L1.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:27:58 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:27:48 2024
Response via : Initial Calibration
Integrator: ChemStation

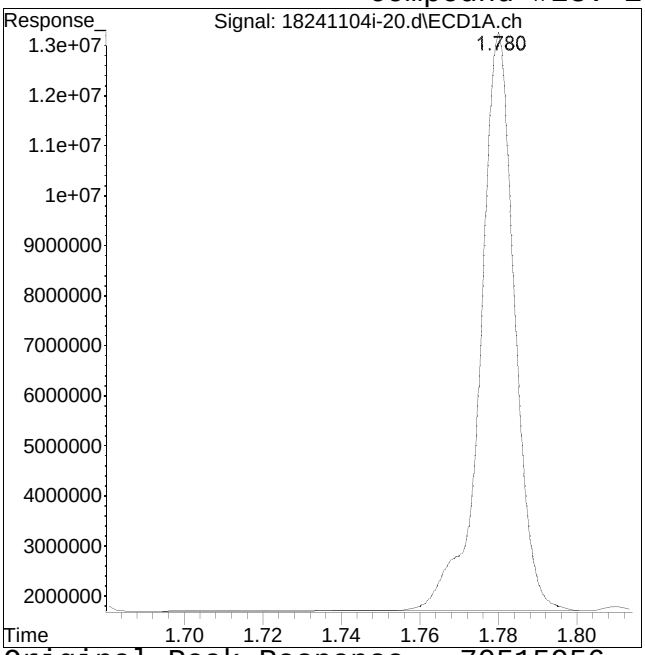
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

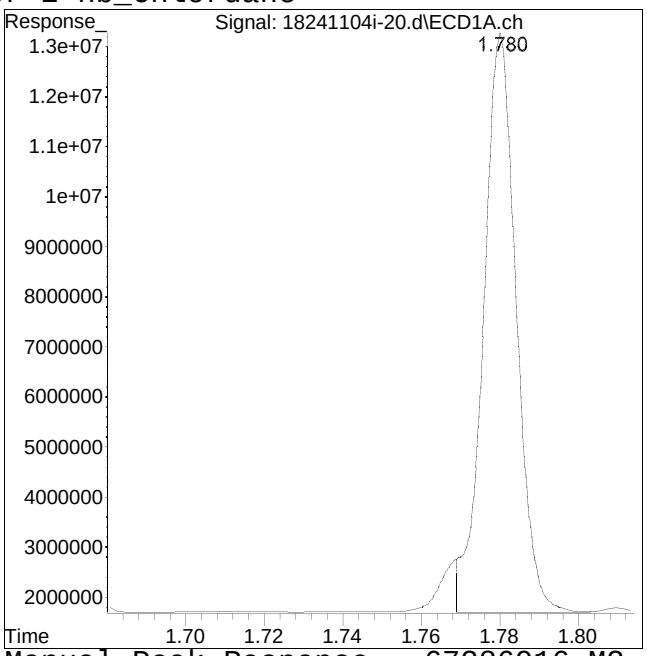


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-20.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 8:53 pm Instrument : Pest 18
Sample : il8chlor,42e,,pp 11877 L1.Quant Date : 11/5/2024 10:27 am

Compound #28: 1-br-2-nb_Chlordane





Original Peak Response = 70515956 Manual Peak Response = 67286916 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\Pest18\2024\241104ICAL\
Data File : 18241104i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:06 pm
Operator : PEST18:kab
Sample : il9chlor,42e,,pp 11877 L2.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:28:36 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:28:27 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.780	1.879	72678248	491.7E6	25.000M3	25.000
33) i	1-br-2-nb_To	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	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:06 pm
Operator : PEST18:kab
Sample : il9chlor,42e,,pp 11877 L2.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:28:36 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:28:27 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	ug/l	ug/l	
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29)	l1	chlordane-1	3.200	3.511	435.3E6	1379.6E6	1303.943	1269.764	
30)	l1	chlordane-3	3.581	4.149	291.9E6	1429.2E6	1333.511	1213.979	
31)	l1	chlordane-4	4.167	4.854	1010.6E6	5889.1E6	1320.088	1313.667	
32)	l1	chlordane-5	4.300	5.024	1560.8E6	4592.9E6	1323.189	1320.023	
	Sum	chlordane-1			3298.6E6	13290.8E6	NoCal	NoCal	D
Average		chlordane-1					1320.183	1279.358	
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

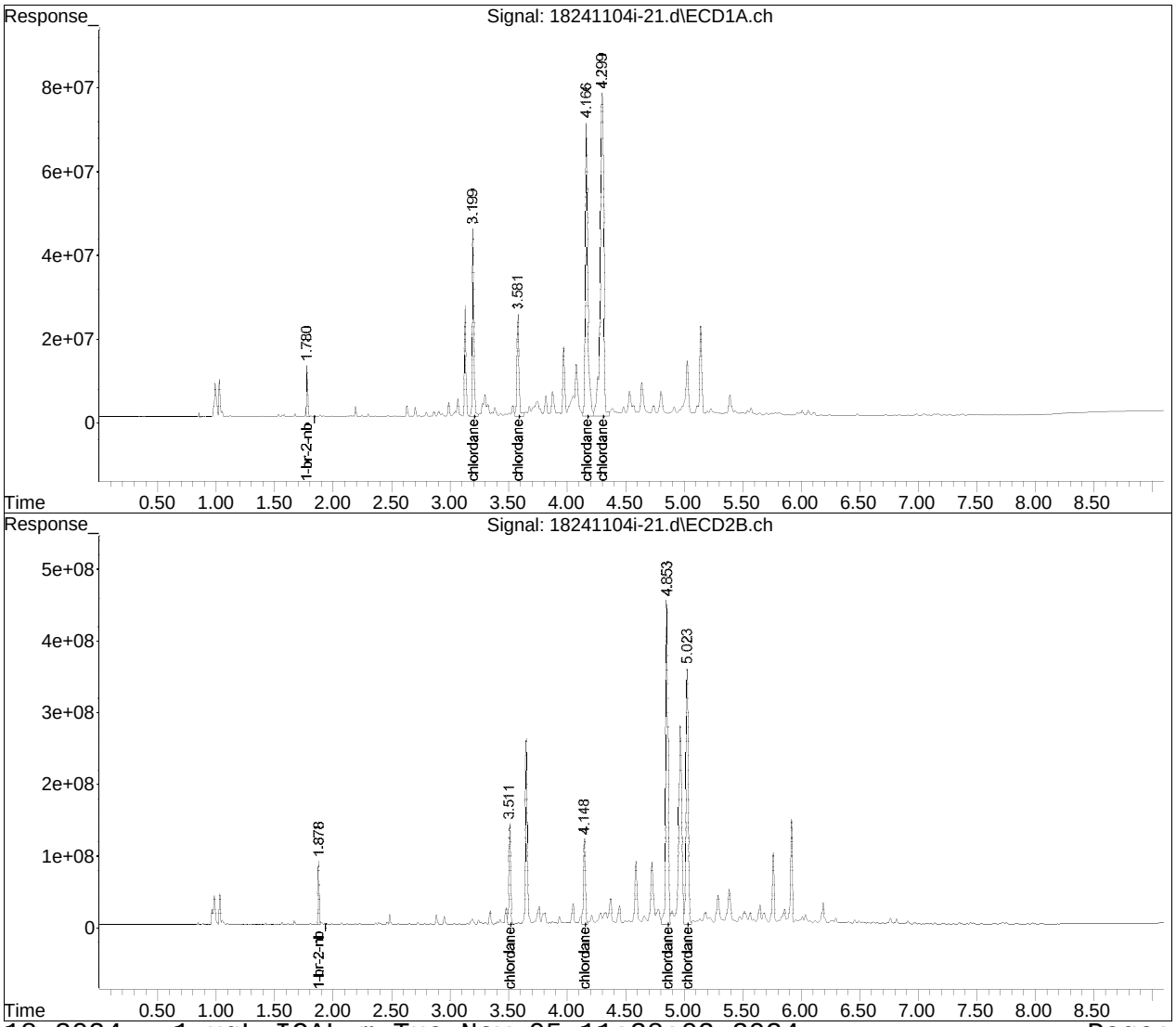
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:06 pm
Operator : PEST18:kab
Sample : il9chlor,42e,,pp 11877 L2.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:28:36 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:28:27 2024
Response via : Initial Calibration
Integrator: ChemStation

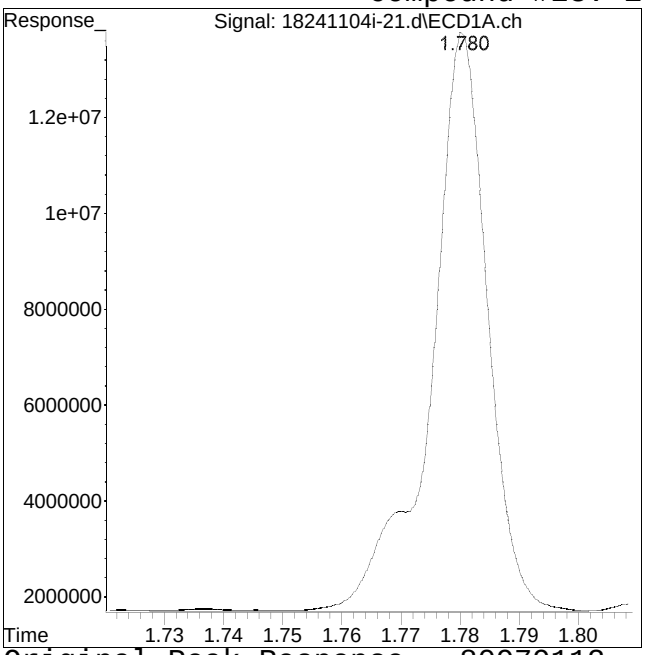
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

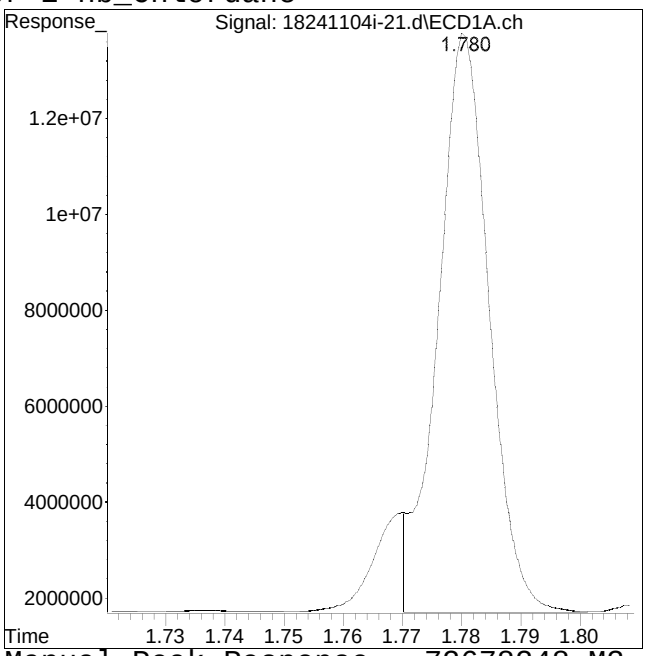


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-21.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 9:06 pm Instrument : Pest 18
Sample : il9chlor,42e,,pp 11877 L2.Quant Date : 11/5/2024 10:28 am

Compound #28: 1-br-2-nb_Chlordane





Original Peak Response = 80979112 Manual Peak Response = 72678248 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\Pest18\2024\241104ICAL\
Data File : 18241104i-22.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:18 pm
Operator : PEST18:kab
Sample : il10chlor,42e,,pp 11877 L5.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:29:32 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:29:23 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.780	1.878	77760746	603.9E6	25.000M3	25.000
33) i	1-br-2-nb_To	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	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-22.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:18 pm
Operator : PEST18:kab
Sample : il10chlor,42e,,pp 11877 L5.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:29:32 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:29:23 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	ug/l	ug/l	
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29)	l1	chlordane-1	3.203	3.514	1045.0E6	3474.1E6	3394.924	2964.364	
30)	l1	chlordane-3	3.586	4.153	677.5E6	3460.7E6	3340.085	2754.312	
31)	l1	chlordane-4	4.173	4.860	2434.6E6	14914.4E6	3439.653	3058.866	
32)	l1	chlordane-5	4.306	5.029	3748.0E6	11660.6E6	3434.834	3077.633	
	Sum	chlordane-1			7905.0E6	33509.7E6	NoCal	NoCal	D
Average		chlordane-1					3402.374	2963.794	
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

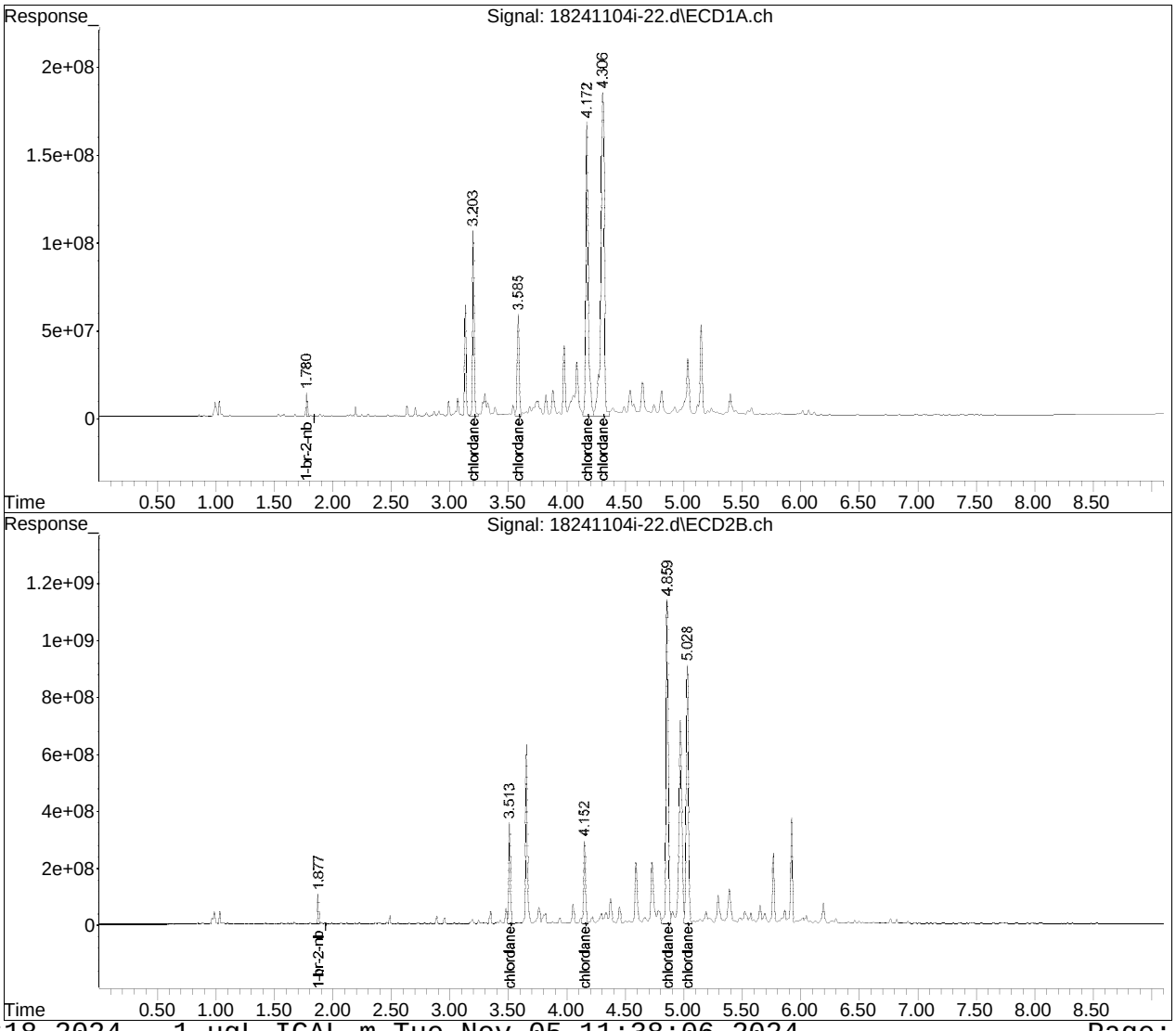
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-22.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:18 pm
Operator : PEST18:kab
Sample : il10chlor,42e,,pp 11877 L5.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:29:32 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:29:23 2024
Response via : Initial Calibration
Integrator: ChemStation

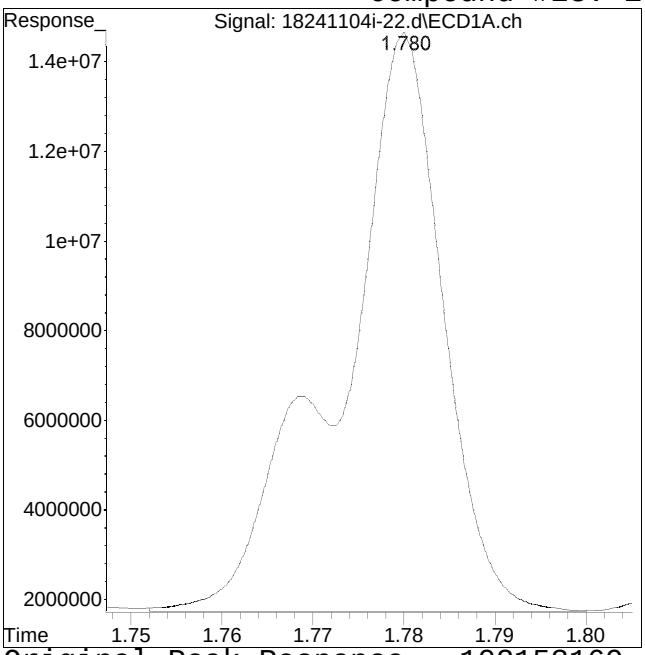
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

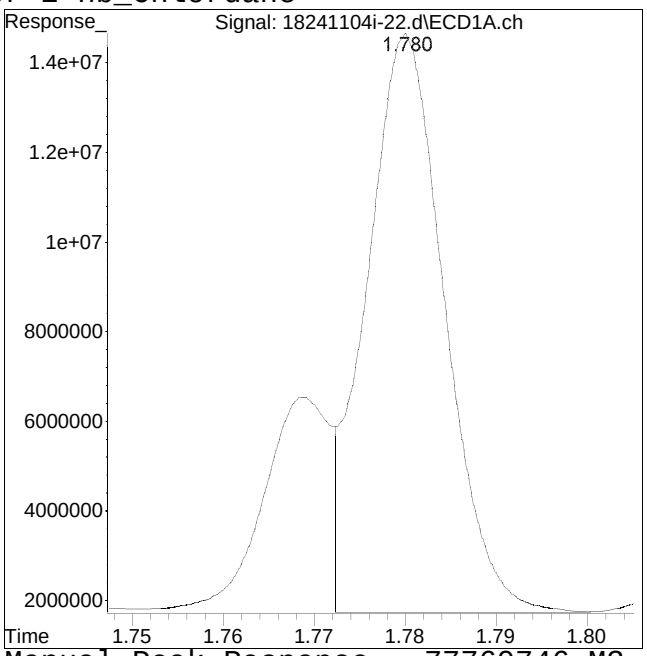


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-22.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 9:18 pm Instrument : Pest 18
Sample : il10chlor,42e,,pp 11877 L5Quant Date : 11/5/2024 10:29 am

Compound #28: 1-br-2-nb_Chlordane





Original Peak Response = 102153169 Manual Peak Response = 77760746 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\Pest18\2024\241104ICAL\
Data File : 18241104i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024   9:30 pm
Operator : PEST18:kab
Sample   : cicvchlor,42e,,pp 11816 L1.0ICV
Misc   : WG1993322,
ALS Vial : 22   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 11:28:06 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 11:28:06 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	113	0.00
29	l1	chlordane-1		*1000.000	829.499	17.1	93	0.00
30	l1	chlordane-3		*1000.000	1027.115	-2.7	117	0.00
31	l1	chlordane-4		*1000.000	1074.112	-7.4	120	0.00
32	l1	chlordane-5		*1000.000	1177.377	-17.7	132	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	109	0.00
29	l1	chlordane-1		*1000.000	1152.428	-15.2	129	0.00
30	l1	chlordane-3		*1000.000	1118.316	-11.8	124	0.00
31	l1	chlordane-4		*1000.000	1093.684	-9.4	124	0.00
32	l1	chlordane-5		*1000.000	1067.692	-6.8	121	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.78#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.281	0.000	100.0#	0#	-2.23#
3		Hexachlorobenzene		1.410	0.000	100.0#	0#	-2.48#
4		alpha-BHC		1.573	0.000	100.0#	0#	-2.59#
5		gamma-BHC (lindane)		* 50.000	0.000	100.0#	0	-2.82#
6		beta-BHC		0.757	0.000	100.0#	0#	-2.89#
7		delta-BHC		1.448	0.000	100.0#	0#	-3.03#
8		Heptachlor		1.429	0.000	100.0#	0#	-3.20#
9		Aldrin		1.418	0.000	100.0#	0#	-3.46#
10		Alachlor		0.215	0.000	100.0#	0#	-3.60#
11		Chlorpyrifos		0.714	0.000	100.0#	0#	-3.70#
12		Heptachlor Epoxide		1.364	0.000	100.0#	0#	-4.04#
13		gamma-Chlordane (trans)		1.323	0.000	100.0#	0#	-4.17#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024   9:30 pm
Operator : PEST18:kab
Sample   : cicvchlor,42e,,pp 11816 L1.0ICV
Misc   : WG1993322,
ALS Vial : 22   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 11:28:06 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 11:28:06 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.462	0.000	100.0#	0#	-4.31#
15		4,4'-DDE		1.420	0.000	100.0#	0#	-4.42#
16		Endosulfan I		1.316	0.000	100.0#	0#	-4.45#
17		Dieldrin		1.386	0.000	100.0#	0#	-4.72#
18		Endrin		1.370	0.000	100.0#	0#	-4.98#
19		4,4'-DDD		1.116	0.000	100.0#	0#	-5.09#
20		Endosulfan II		1.201	0.000	100.0#	0#	-5.22#
21		4,4'-DDT		1.194	0.000	100.0#	0#	-5.38#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.63#
23		Methoxychlor		0.701	0.000	100.0#	0#	-5.87#
24		Mirex		1.170	0.000	100.0#	0#	-5.92#
25		Endosulfan Sulfate		1.161	0.000	100.0#	0#	-6.02#
26		Endrin Ketone		1.347	0.000	100.0#	0#	-6.25#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.05#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.78#
34	l2	toxaphene-1		0.073	0.000	100.0#	0#	-5.20#
35	l2	toxaphene-2		0.048	0.000	100.0#	0#	-5.33#
36	l2	toxaphene-3		0.054	0.000	100.0#	0#	-5.55#
37	l2	toxaphene-4		0.051	0.000	100.0#	0#	-5.92#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.88#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.068	0.000	100.0#	0#	-2.46#
3		Hexachlorobenzene		1.166	0.000	100.0#	0#	-2.82#
4		alpha-BHC		1.483	0.000	100.0#	0#	-2.93#
5		gamma-BHC (lindane)		1.439	0.000	100.0#	0#	-3.24#
6		beta-BHC		0.644	0.000	100.0#	0#	-3.31#
7		delta-BHC		1.385	0.000	100.0#	0#	-3.59#

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024   9:30 pm
Operator : PEST18:kab
Sample   : cicvchlor,42e,,pp 11816 L1.0ICV
Misc   : WG1993322,
ALS Vial : 22   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 11:28:06 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 11:28:06 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.324	0.000	100.0#	0#	-3.66#
9		Aldrin		1.229	0.000	100.0#	0#	-3.99#
10		Alachlor		0.181	0.000	100.0#	0#	-3.88#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.25#
12		Heptachlor Epoxide		1.215	0.000	100.0#	0#	-4.63#
13		gamma-Chlordane (trans)		1.098	0.000	100.0#	0#	-4.86#
14		alpha-Chlordane (cis)		1.235	0.000	100.0#	0#	-5.03#
15		4,4'-DDE		1.187	0.000	100.0#	0#	-5.23#
16		Endosulfan I		1.157	0.000	100.0#	0#	-5.09#
17		Dieldrin		1.166	0.000	100.0#	0#	-5.38#
18		Endrin		1.190	0.000	100.0#	0#	-5.68#
19		4,4'-DDD		0.991	0.000	100.0#	0#	-5.80#
20		Endosulfan II		1.034	0.000	100.0#	0#	-5.88#
21		4,4'-DDT		1.100	0.000	100.0#	0#	-6.08#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-6.17#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.64#
24		Mirex	*	50.000	0.000	100.0#	0	-6.78#
25		Endosulfan Sulfate		1.037	0.000	100.0#	0#	-6.40#
26		Endrin Ketone		1.109	0.000	100.0#	0#	-6.82#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.69#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.88#
34	l2	toxaphene-1		0.023	0.000	100.0#	0#	-5.83#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.86#
36	l2	toxaphene-3		0.042	0.000	100.0#	0#	-6.18#
37	l2	toxaphene-4		0.039	0.000	100.0#	0#	-6.59#

* 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\Pest18\2024\241104ICAL\
Data File : 18241104i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:30 pm
Operator : PEST18:kab
Sample : cicvchlor,42e,,pp 11816 L1.0ICV
Misc : WG1993322,
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 11:28:06 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 11:28:06 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.779	1.878	77729091	500.9E6	25.000M3	25.000
33) i	1-br-2-nb_To	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.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:30 pm
Operator : PEST18:kab
Sample : cicvchlor,42e,,pp 11816 L1.0ICV
Misc : WG1993322,
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 11:28:06 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 11:28:06 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	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	3.199	3.511	199.1E6	840.9E6	829.499	1152.428
30) l1	chlordane-3	3.580	4.149	166.1E6	857.1E6	1027.115M3	1118.316
31) l1	chlordane-4	4.166	4.854	596.6E6	3338.2E6	1074.112	1093.684
32) l1	chlordane-5	4.296	5.023	1010.6E6	2544.0E6	1177.377	1067.692
Sum	chlordane-1			1972.4E6	7580.1E6	N.D.	N.D. D
Average	chlordane-1					1027.026	1108.030
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

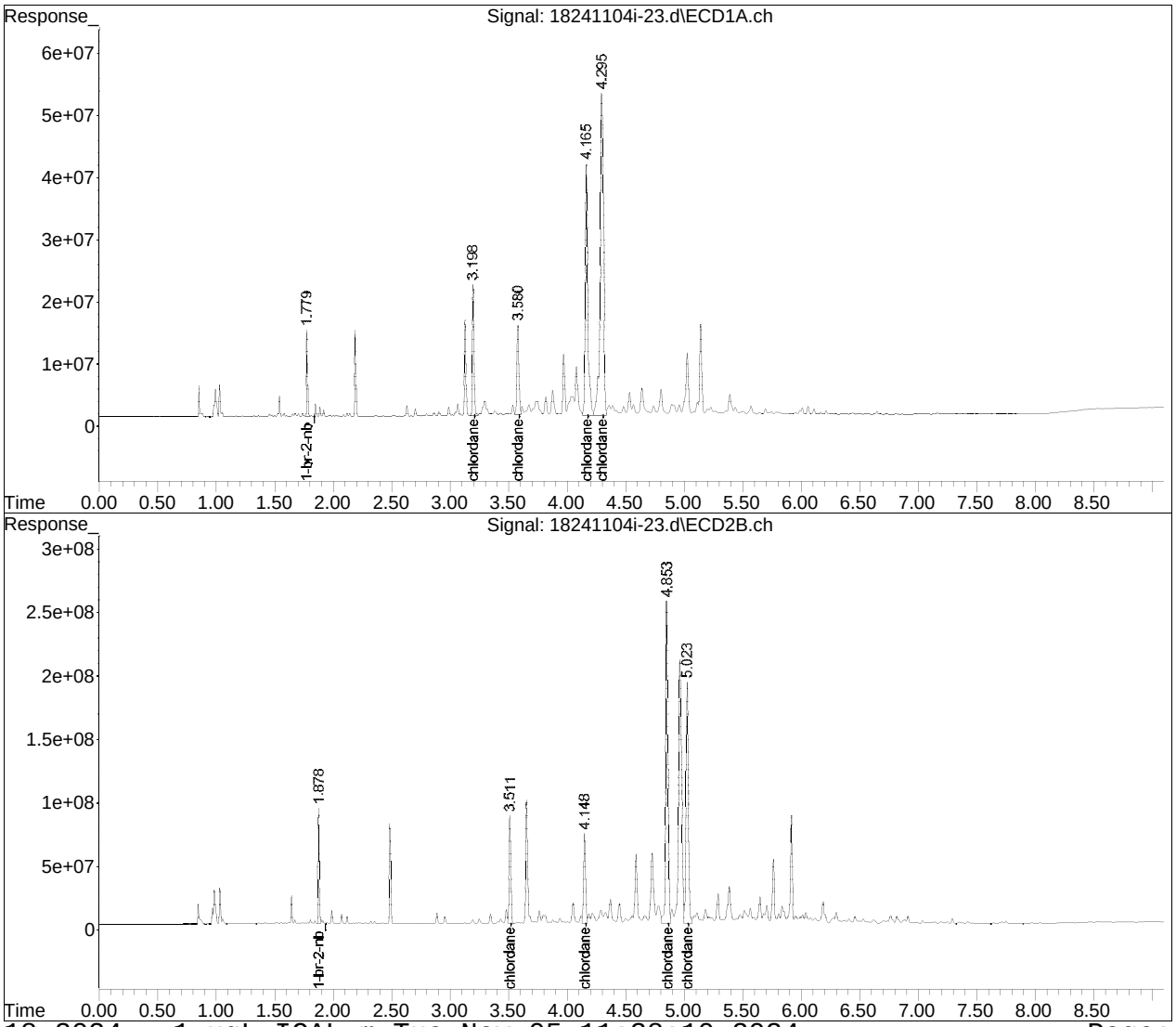
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:30 pm
Operator : PEST18:kab
Sample : cicvchlor,42e,,pp 11816 L1.0ICV
Misc : WG1993322,
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 11:28:06 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 11:28:06 2024
Response via : Initial Calibration
Integrator: ChemStation

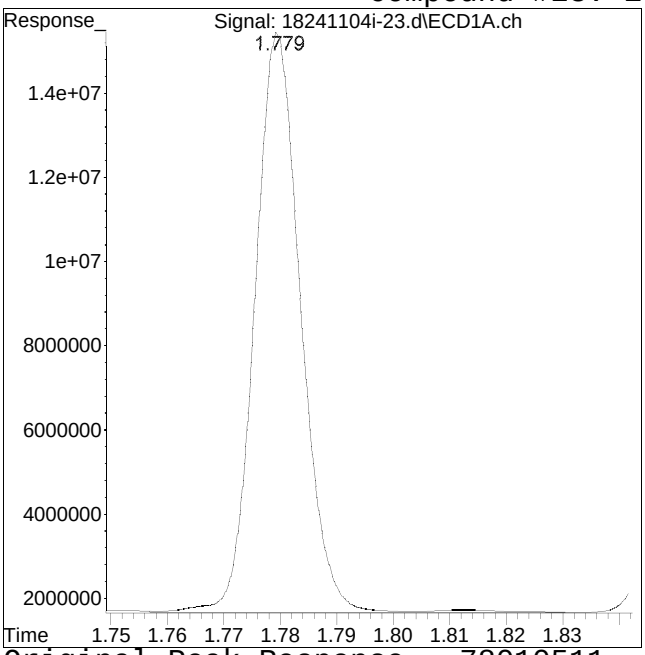
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

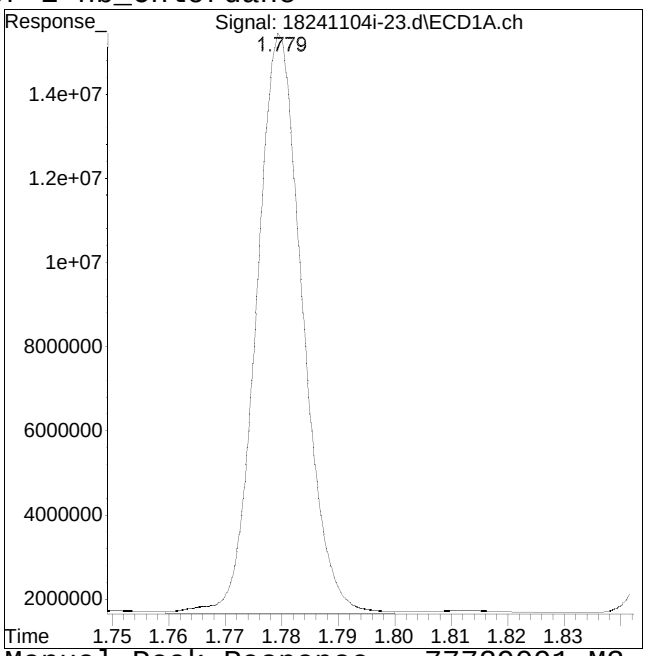


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-23.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 9:30 pm Instrument : Pest 18
Sample : cicvchlor,42e,,pp 11816 L1Quant Date : 11/5/2024 11:28 am

Compound #28: 1-br-2-nb_Chlordane



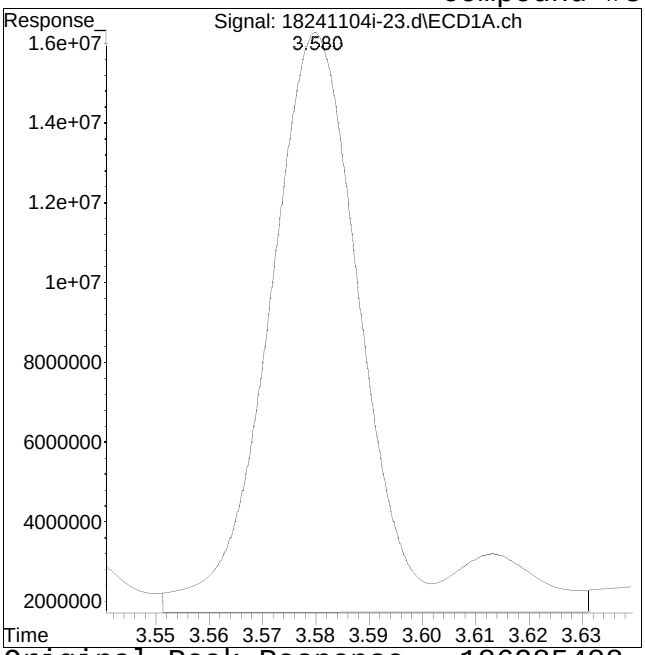


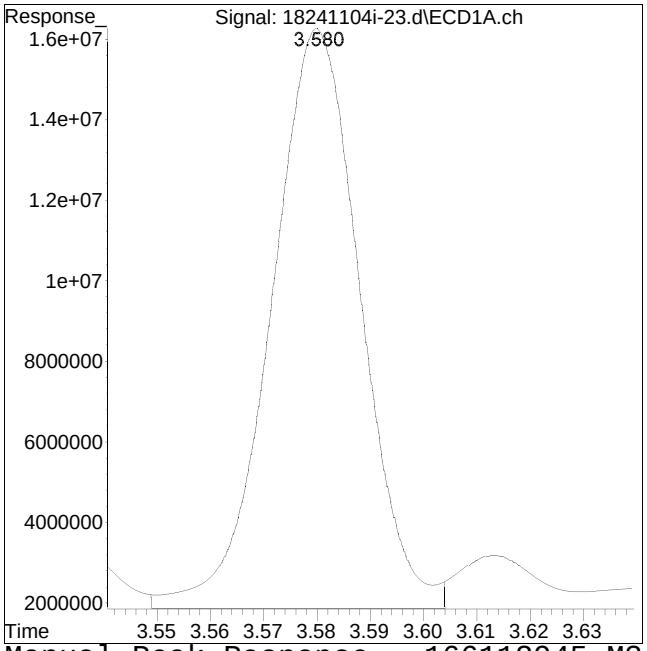
Original Peak Response = 78010511 Manual Peak Response = 77729091 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-23.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 9:30 pm Instrument : Pest 18
Sample : cicvchlor,42e,,pp 11816 L1Quant Date : 11/5/2024 11:28 am

Compound #30: chlordane-3





Original Peak Response = 186285488 Manual Peak Response = 166112945 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\Pest18\2024\241104ICAL\
Data File : 18241104i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:42 pm
Operator : PEST18:kab
Sample : il3tox,42e,,pp 11878 L0.02
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:47:18 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:47:09 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.780	1.877	67675755	426.5E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D.	N.D.
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:42 pm
Operator : PEST18:kab
Sample : il3tox,42e,,pp 11878 L0.02
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:47:18 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:47:09 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	ug/l	ug/l
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D.	N.D.
26)		Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
		Sum chlordane-1			0	0	N.D.	N.D.
		Average chlordane-1					0.000	0.000
34)	l2	toxaphene-1	5.207	5.835	3945148	6192755	20.017M4	15.327
35)	l2	toxaphene-2	5.329	5.861	2847572	13149715	22.158M2	21.782
36)	l2	toxaphene-3	5.553	6.179	2692427	13225928	18.219M3	18.150
37)	l2	toxaphene-4	5.930	6.588	3079891	13407473	23.174	20.447
		Sum toxaphene-1			12565037	45975872	83.567	75.706
		Average toxaphene-1					20.892	18.927

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			12565037	45975872	83.567	75.706
		Average toxaphene-1					20.892	18.927

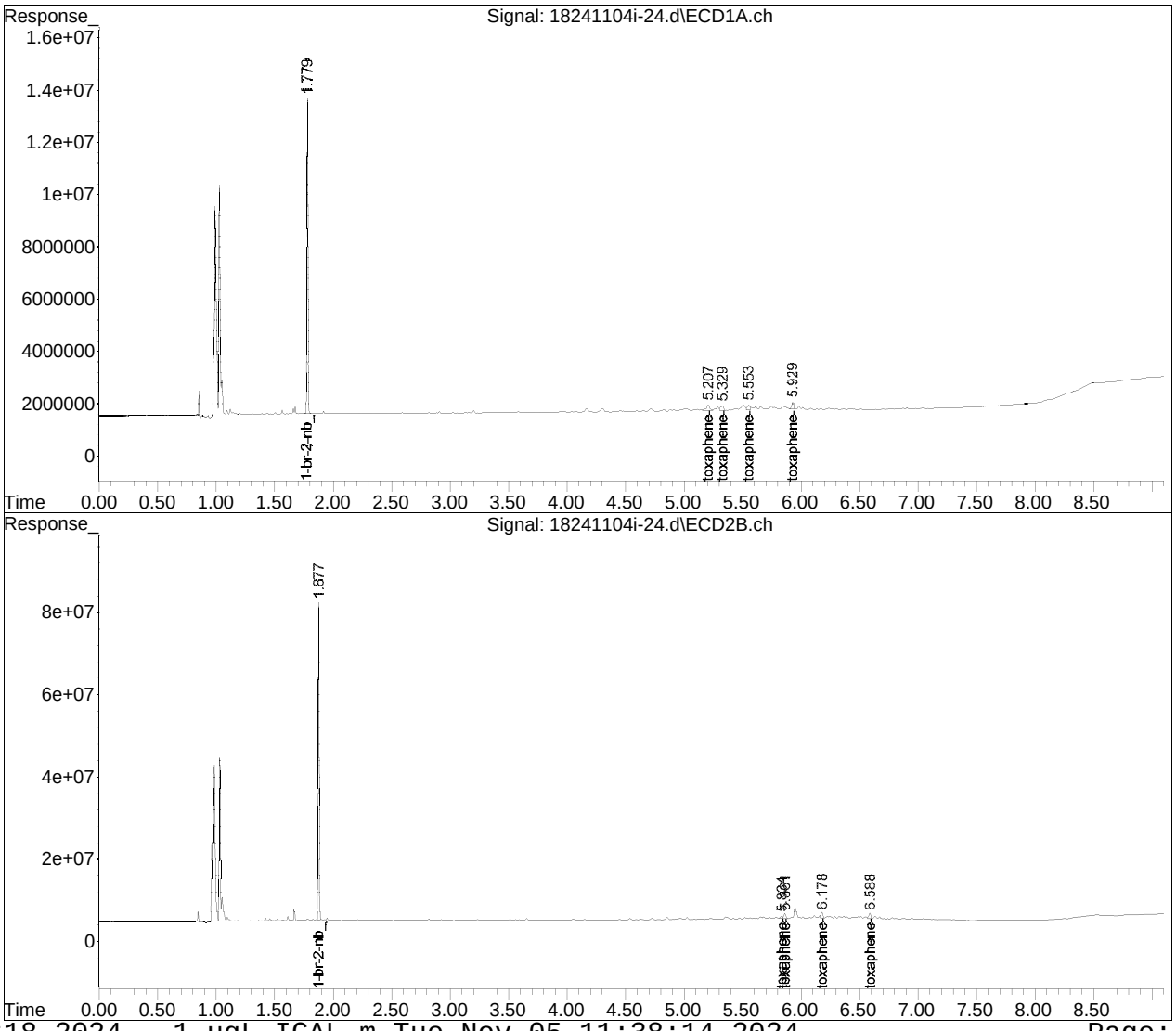
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:42 pm
Operator : PEST18:kab
Sample : il3tox,42e,,pp 11878 L0.02
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:47:18 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:47:09 2024
Response via : Initial Calibration
Integrator: ChemStation

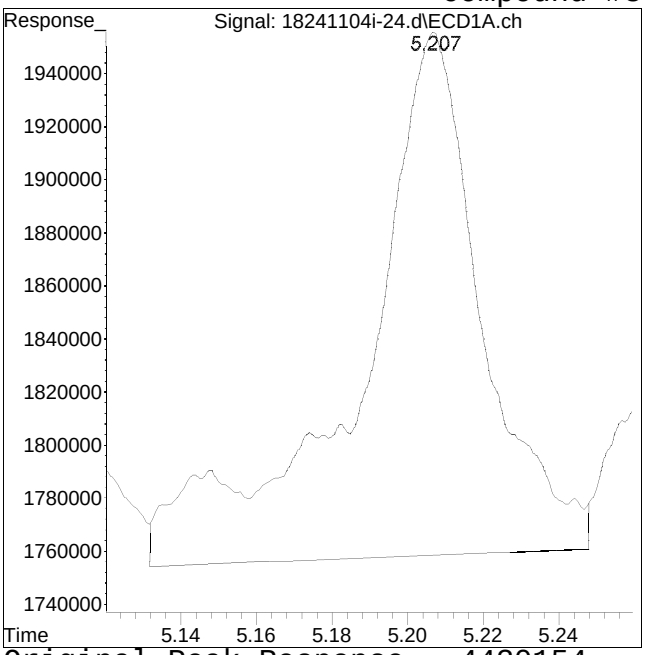
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



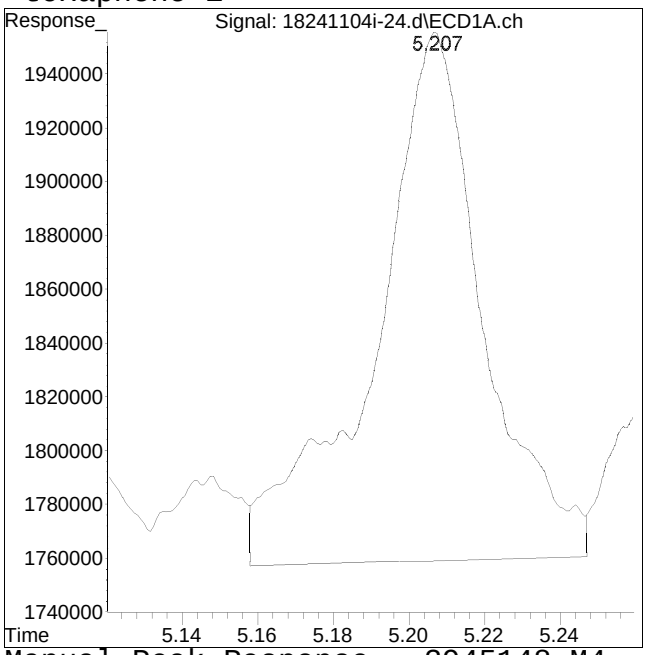
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-24.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 9:42 pm Instrument : Pest 18
Sample : il3tox,42e,,pp 11878 L0.02Quant Date : 11/5/2024 10:47 am

Compound #34: toxaphene-1



Original Peak Response = 4430154



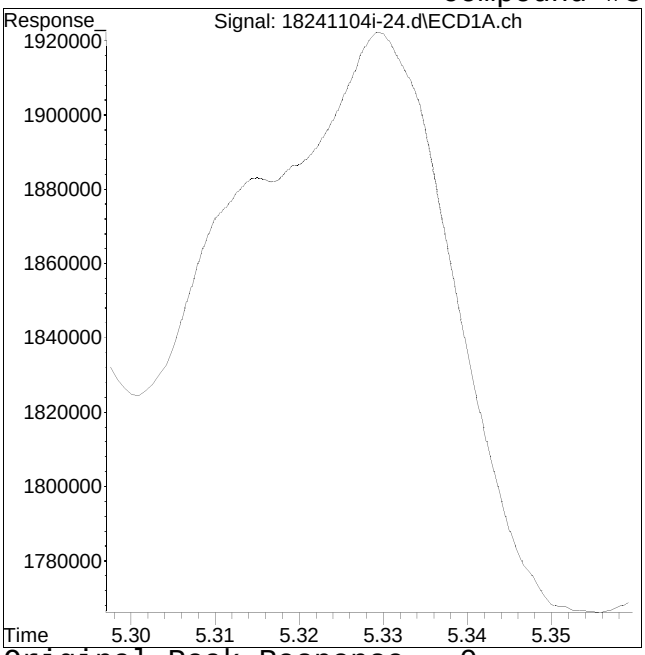
Manual Peak Response = 3945148 M4

M4 = Poor automated baseline construction.

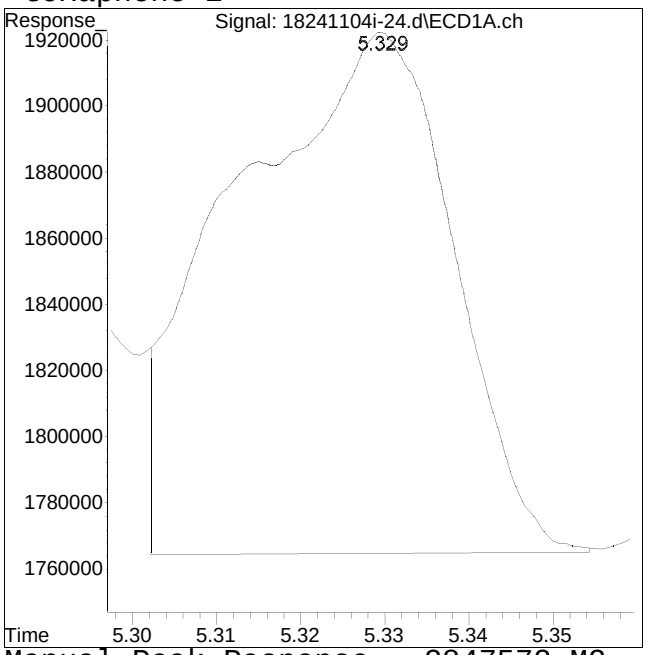
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-24.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 9:42 pm Instrument : Pest 18
Sample : il3tox,42e,,pp 11878 L0.02Quant Date : 11/5/2024 10:47 am

Compound #35: toxaphene-2



Original Peak Response = 0



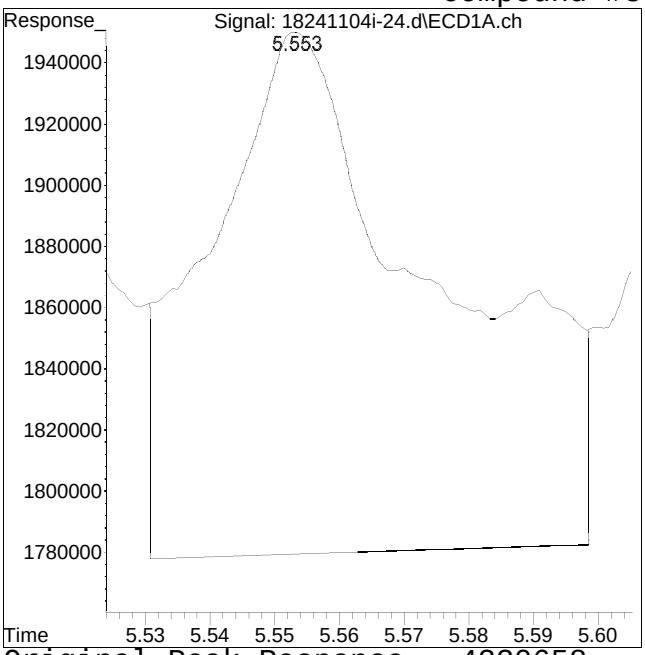
Manual Peak Response = 2847572 M2

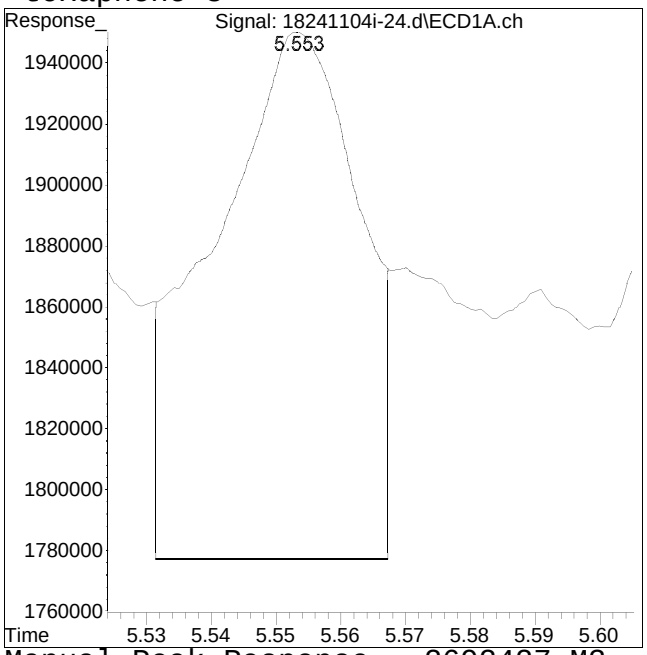
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-24.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 9:42 pm Instrument : Pest 18
Sample : il3tox,42e,,pp 11878 L0.02Quant Date : 11/5/2024 10:47 am

Compound #36: toxaphene-3





Original Peak Response = 4230658 Manual Peak Response = 2692427 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\Pest18\2024\241104ICAL\
Data File : 18241104i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:54 pm
Operator : PEST18:kab
Sample : il4tox,42e,,pp 11878 L0.1
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:46:32 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:46:25 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.780	1.877	65112139	416.4E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D.	N.D.
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:54 pm
Operator : PEST18:kab
Sample : il4tox,42e,,pp 11878 L0.1
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:46:32 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:46:25 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	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D.	N.D.
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.208	5.834	18940383	36851369	99.844	91.423
35) l2	toxaphene-2	5.331	5.863	12494476	57830244	101.407	97.512
36) l2	toxaphene-3	5.555	6.180	14287176	72160147	100.645M3	101.924
37) l2	toxaphene-4	5.931	6.590	12779023	61958580	99.917	95.766
Sum	toxaphene-1			58501057	228.8E6	401.813	386.625
Average	toxaphene-1					100.453	96.656

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			58501057	228.8E6	401.813	386.625
Average	toxaphene-1					100.453	96.656

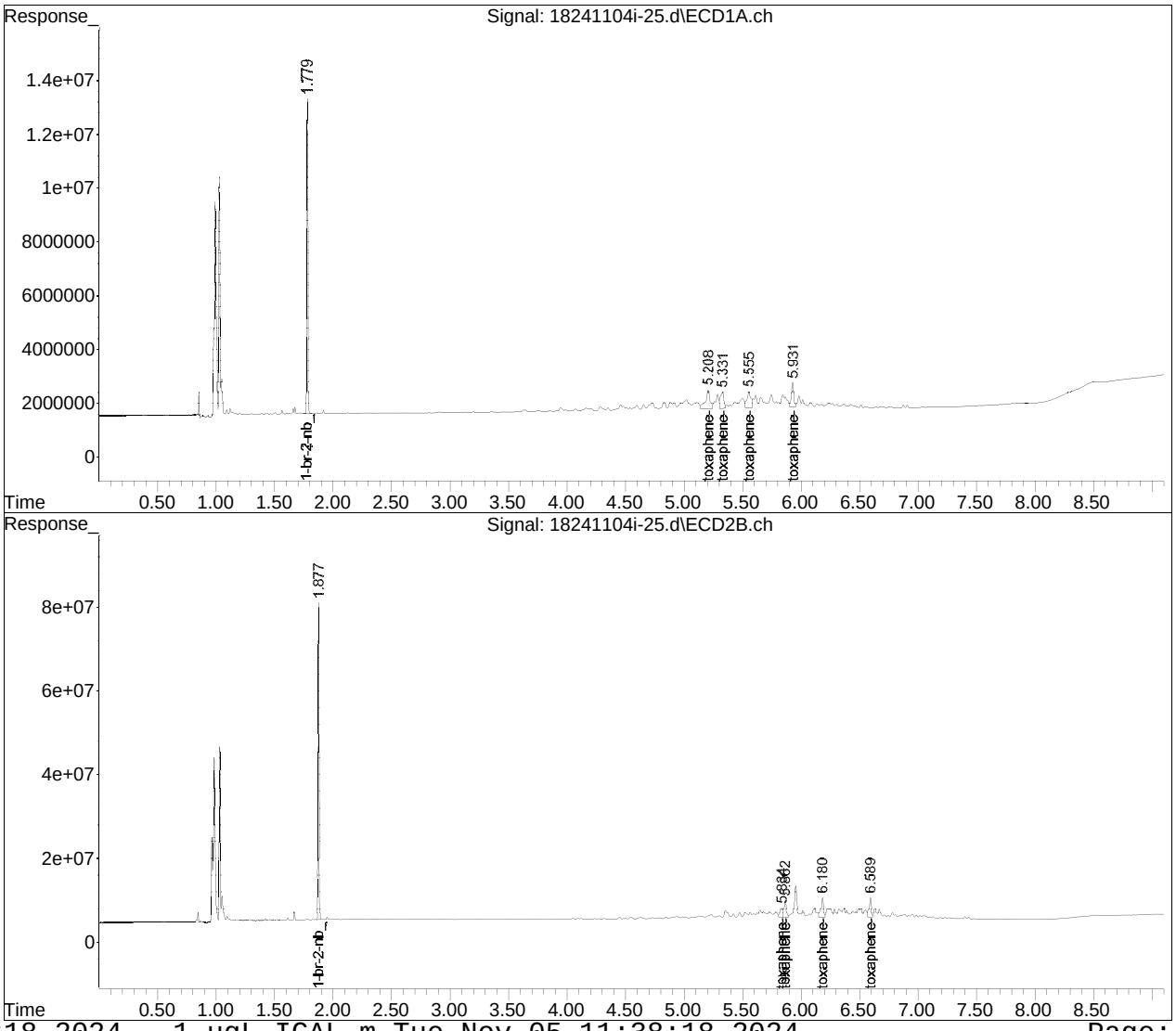
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 9:54 pm
Operator : PEST18:kab
Sample : il4tox,42e,,pp 11878 L0.1
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:46:32 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:46:25 2024
Response via : Initial Calibration
Integrator: ChemStation

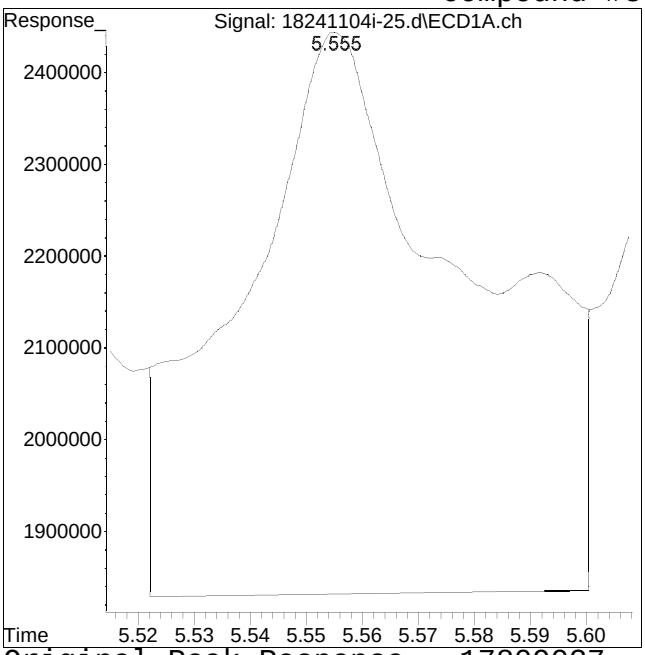
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

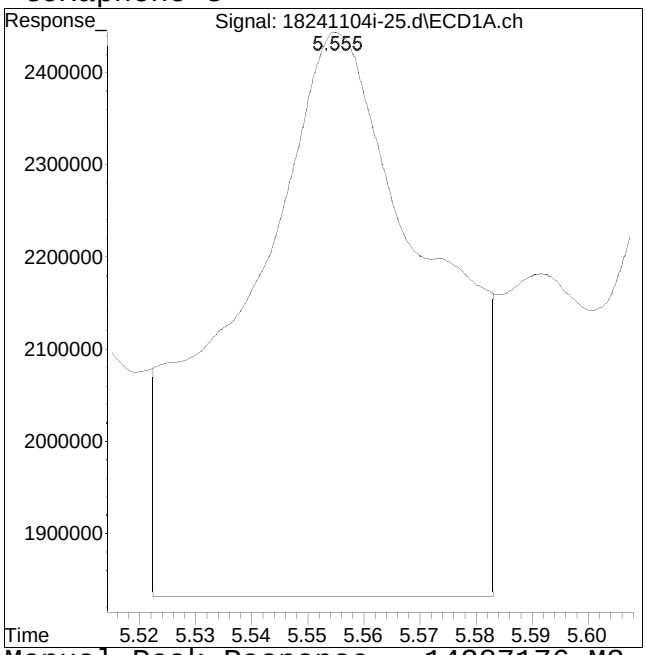


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-25.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 9:54 pm Instrument : Pest 18
Sample : il4tox,42e,,pp 11878 L0.1 Quant Date : 11/5/2024 10:46 am

Compound #36: toxaphene-3





Original Peak Response = 17809037 Manual Peak Response = 14287176 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\Pest18\2024\241104ICAL\
Data File : 18241104i-26.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:06 pm
Operator : PEST18:kab
Sample : il7tox,42e,,pp 11878 L1.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:45:46 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:45:39 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.780	1.877	63176780	382.8E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-26.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:06 pm
Operator : PEST18:kab
Sample : il7tox,42e,,pp 11878 L1.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:45:46 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:45:39 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	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.211	5.836	187.8E6	398.4E6	1030.469	1116.610
35) l2	toxaphene-2	5.334	5.865	121.6E6	588.7E6	1026.354	1124.243
36) l2	toxaphene-3	5.559	6.183	139.1E6	695.3E6	1015.016M3	1105.694
37) l2	toxaphene-4	5.934	6.593	126.5E6	627.8E6	1029.121	1085.375
Sum	toxaphene-1			575.0E6	2310.1E6	4100.959	4431.922
Average	toxaphene-1					1025.240	1107.981

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			575.0E6	2310.1E6	4100.959	4431.922
Average	toxaphene-1					1025.240	1107.981

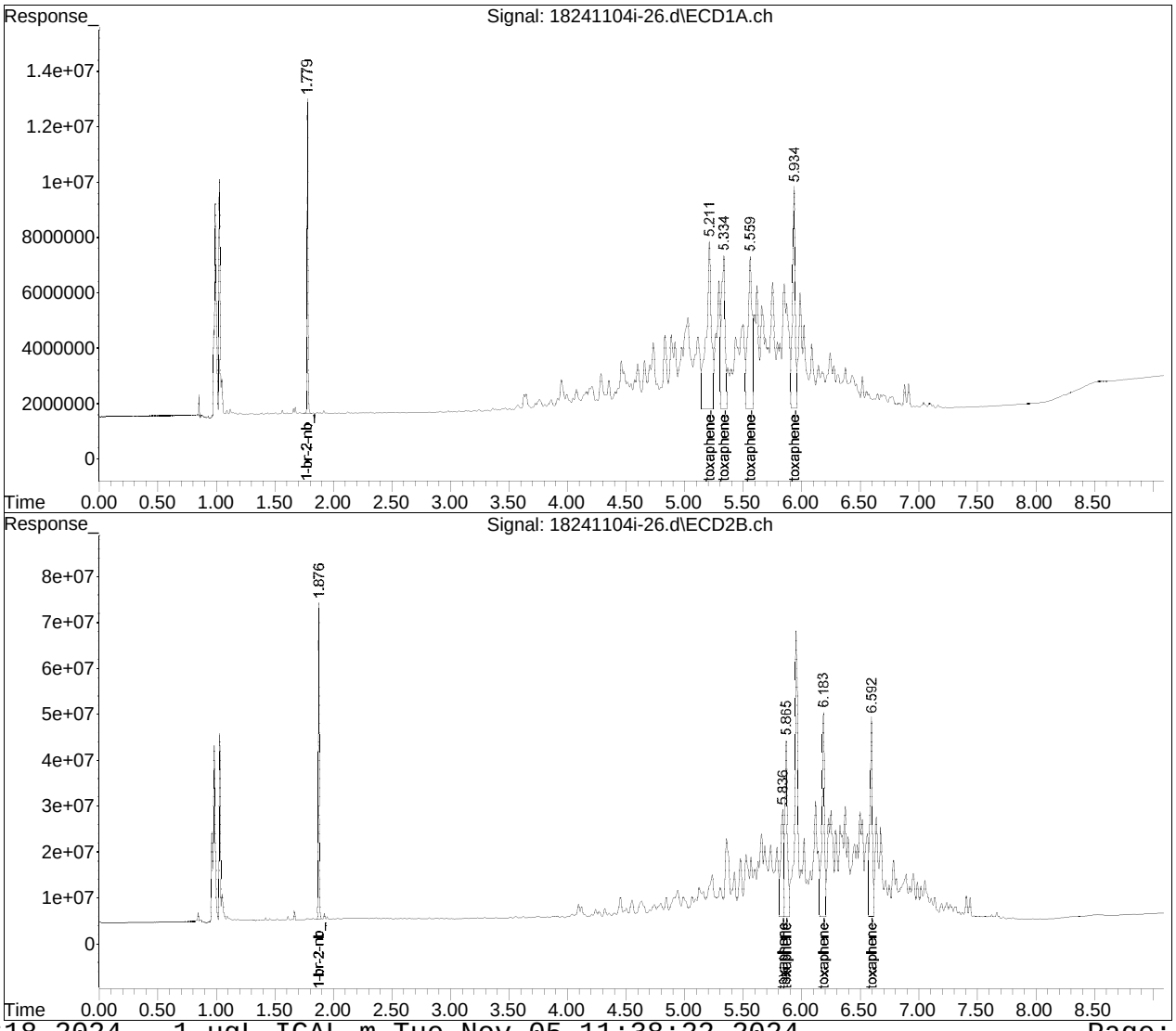
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-26.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:06 pm
Operator : PEST18:kab
Sample : il7tox,42e,,pp 11878 L1.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:45:46 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:45:39 2024
Response via : Initial Calibration
Integrator: ChemStation

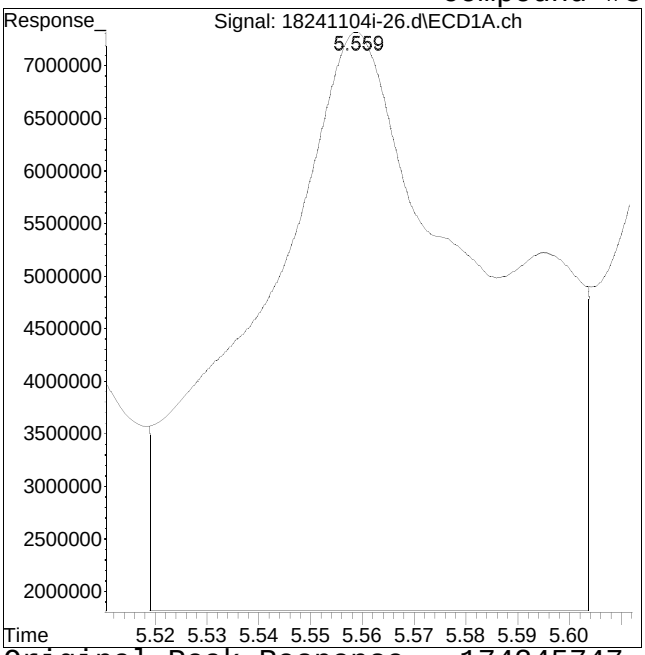
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

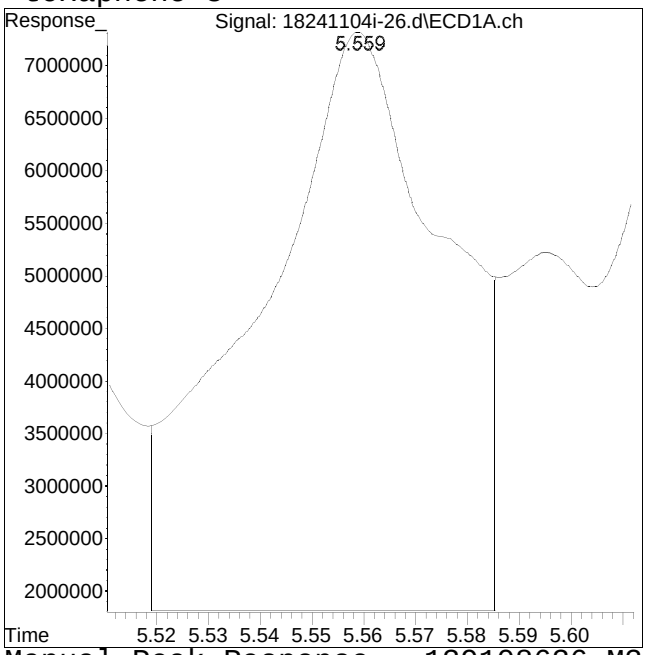


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-26.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 10:06 pm Instrument : Pest 18
Sample : il7tox,42e,,pp 11878 L1.0 Quant Date : 11/5/2024 10:45 am

Compound #36: toxaphene-3





Original Peak Response = 174245747 Manual Peak Response = 139108636 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\Pest18\2024\241104ICAL\
Data File : 18241104i-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:18 pm
Operator : PEST18:kab
Sample : il8tox,42e,,pp 11878 L2.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:43:29 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:43:19 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.780	1.878	63485616	405.4E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:18 pm
Operator : PEST18:kab
Sample : il8tox,42e,,pp 11878 L2.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:43:29 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:43:19 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	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.202	5.831	374.9E6	776.9E6	2000.000	2000.000
35) l2	toxaphene-2	5.325	5.860	240.2E6	1124.4E6	1686.171M3	2000.000
36) l2	toxaphene-3	5.550	6.178	276.0E6	1358.4E6	1580.454M3	2000.000
37) l2	toxaphene-4	5.925	6.587	252.1E6	1234.1E6	2000.000	2000.000
Sum	toxaphene-1			1143.2E6	4493.7E6	7266.625	8000.000
Average	toxaphene-1					1816.656	2000.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			1143.2E6	4493.7E6	7266.625	8000.000
Average	toxaphene-1					1816.656	2000.000

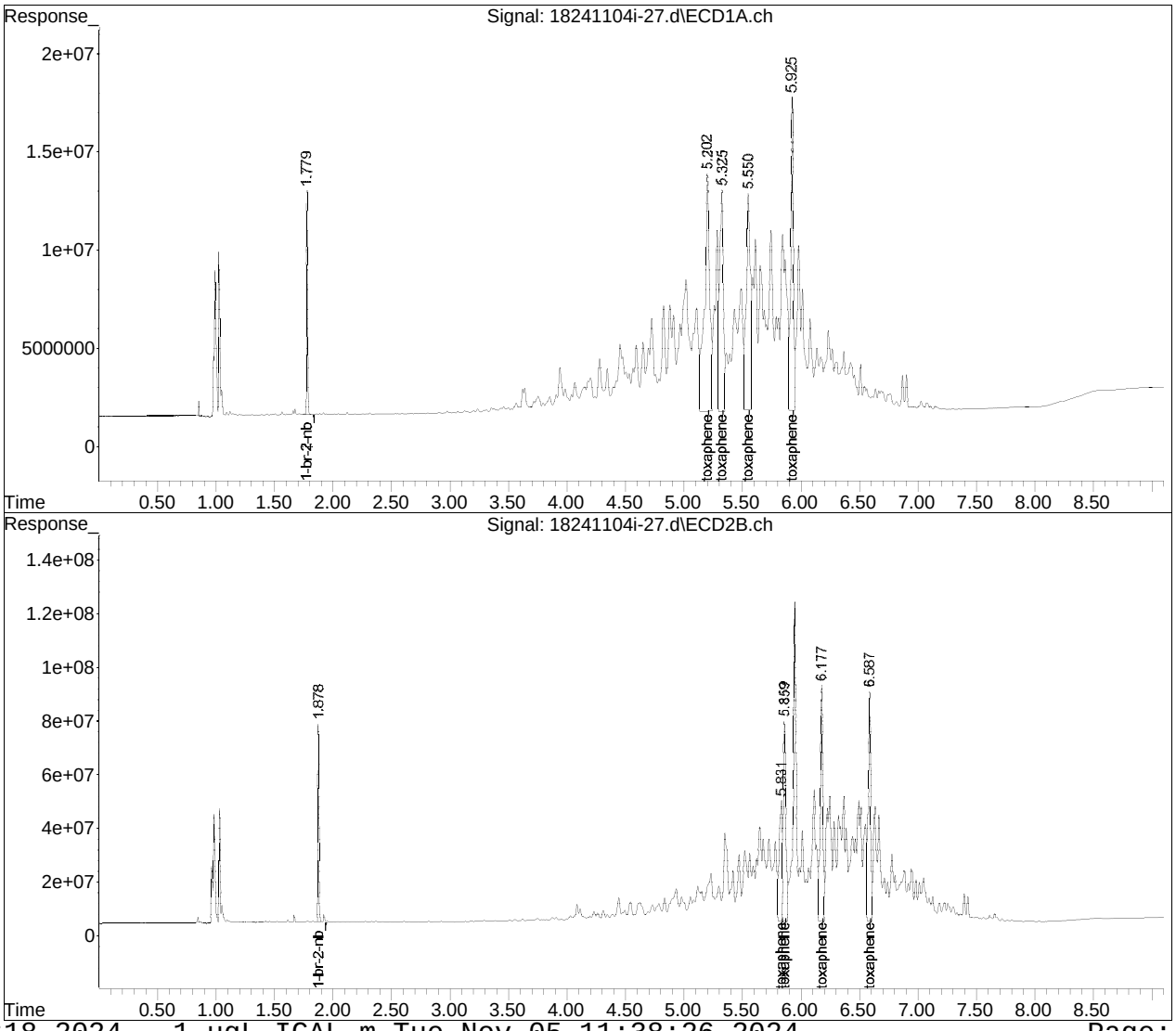
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:18 pm
Operator : PEST18:kab
Sample : il8tox,42e,,pp 11878 L2.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:43:29 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:43:19 2024
Response via : Initial Calibration
Integrator: ChemStation

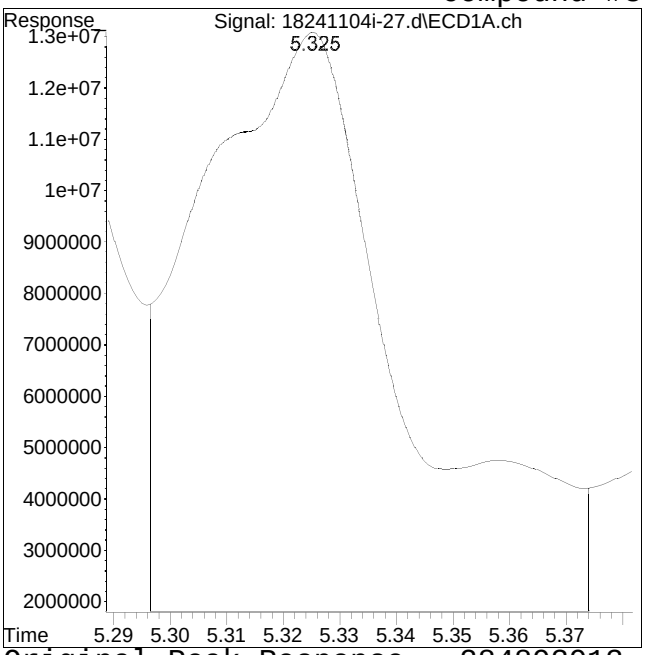
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

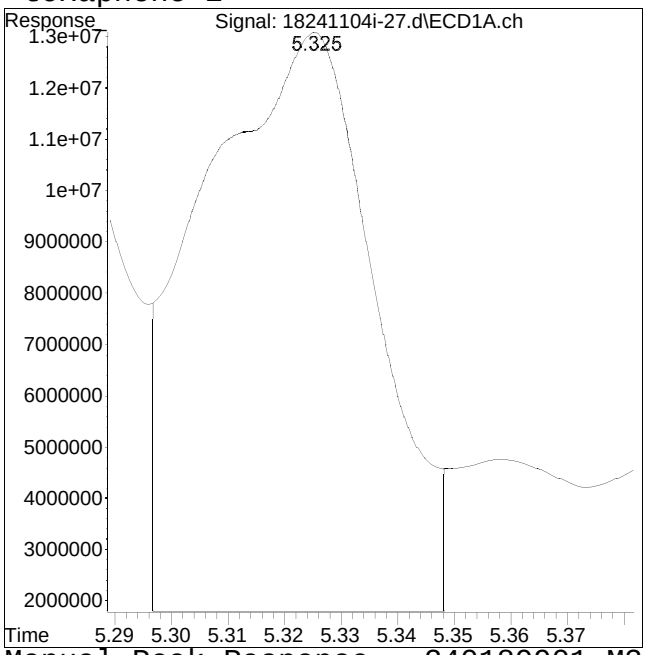


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-27.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 10:18 pm Instrument : Pest 18
Sample : il8tox,42e,,pp 11878 L2.0 Quant Date : 11/5/2024 10:43 am

Compound #35: toxaphene-2



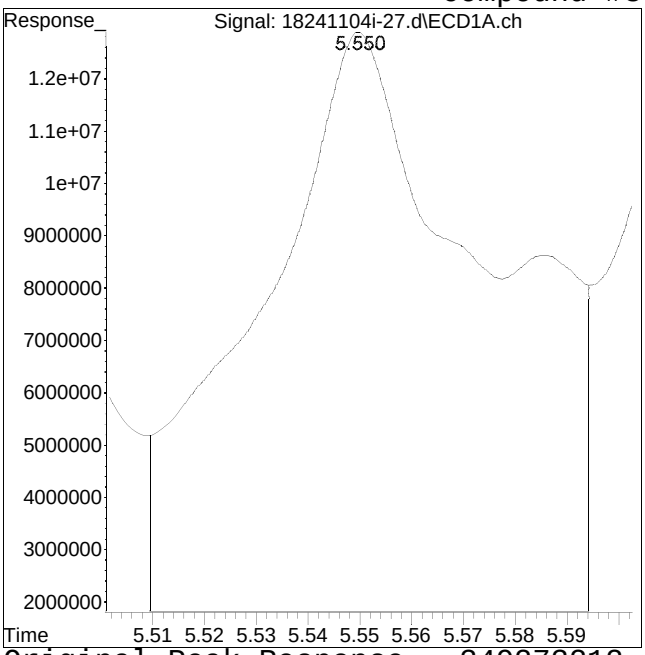


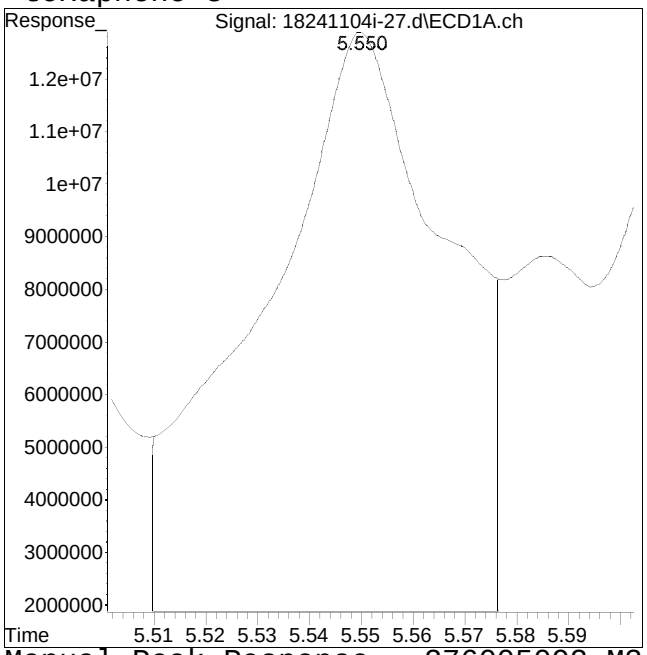
Original Peak Response = 284893913 Manual Peak Response = 240189901 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241104QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241104i-27.d Operator : PEST18:kab
Date Inj'd : 11/4/2024 10:18 pm Instrument : Pest 18
Sample : il8tox,42e,,pp 11878 L2.0 Quant Date : 11/5/2024 10:43 am

Compound #36: toxaphene-3





Original Peak Response = 349273212 Manual Peak Response = 276005092 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\Pest18\2024\241104ICAL\
Data File : 18241104i-28.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:30 pm
Operator : PEST18:kab
Sample : il9tox,42e,,pp 11878 L5.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:44:16 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:44:09 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.779	1.877	67710569	404.3E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-28.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:30 pm
Operator : PEST18:kab
Sample : il9tox,42e,,pp 11878 L5.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:44:16 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:44:09 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	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.203	5.831	953.4E6	1830.5E6	4769.255	4724.838
35) l2	toxaphene-2	5.326	5.859	629.7E6	2726.1E6	4144.675	4861.732
36) l2	toxaphene-3	5.551	6.177	732.9E6	3253.5E6	3934.996	4802.853
37) l2	toxaphene-4	5.926	6.586	644.9E6	3031.2E6	4795.979	4925.331
Sum	toxaphene-1			2960.9E6	10841.3E6	17644.905	19314.755
Average	toxaphene-1					4411.226	4828.689

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			2960.9E6	10841.3E6	17644.905	19314.755
Average	toxaphene-1					4411.226	4828.689

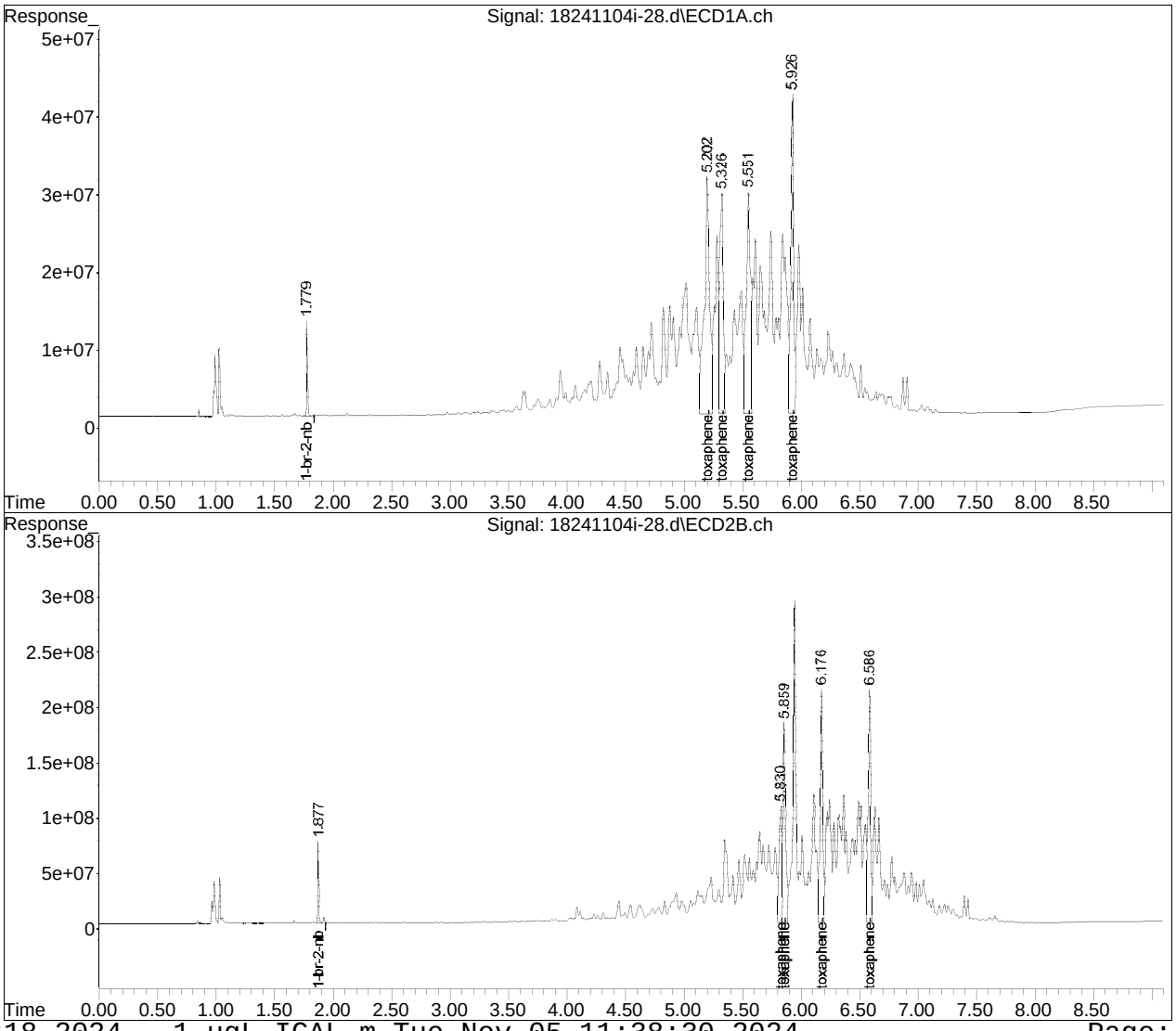
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-28.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:30 pm
Operator : PEST18:kab
Sample : il9tox,42e,,pp 11878 L5.0
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:44:16 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:44:09 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\Pest18\2024\241104	QMethod	: pest18_2024_11_01_ugL_IC
Data File	: 18241104i-28.d	Operator	: PEST18:kab
Date Inj'd	: 11/4/2024 10:30 pm	Instrument	: Pest 18
Sample	: il9tox,42e,,pp 11878 L5.0	Quant Date	: 11/5/2024 10:44 am

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024 10:42 pm
Operator : PEST18:kab
Sample   : cicvtox,42e,,pp 11851 L2.0ICV
Misc   : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 28   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:48:40 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:48:20 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	119	0.00
34	l2	toxaphene-1		0.073	0.067	8.2	111	0.00
35	l2	toxaphene-2		0.048	0.048	0.0	124	0.00
36	l2	toxaphene-3		0.054	0.048	11.1	108	0.00
37	l2	toxaphene-4		0.051	0.043	15.7	106	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	117	0.00
34	l2	toxaphene-1		0.023	0.024	-4.3	116	0.00
35	l2	toxaphene-2		0.036	0.035	2.8	118	0.00
36	l2	toxaphene-3		0.042	0.039	7.1	109	0.00
37	l2	toxaphene-4		0.039	0.038	2.6	116	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.78#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.281	0.000	100.0#	0#	-2.23#
3		Hexachlorobenzene		1.410	0.000	100.0#	0#	-2.48#
4		alpha-BHC		1.573	0.000	100.0#	0#	-2.59#
5		gamma-BHC (lindane)	*	50.000	0.000	100.0#	0	-2.82#
6		beta-BHC		0.757	0.000	100.0#	0#	-2.89#
7		delta-BHC		1.448	0.000	100.0#	0#	-3.03#
8		Heptachlor		1.429	0.000	100.0#	0#	-3.20#
9		Aldrin		1.418	0.000	100.0#	0#	-3.46#
10		Alachlor		0.215	0.000	100.0#	0#	-3.60#
11		Chlorpyrifos		0.714	0.000	100.0#	0#	-3.70#
12		Heptachlor Epoxide		1.364	0.000	100.0#	0#	-4.04#
13		gamma-Chlordane (trans)		1.323	0.000	100.0#	0#	-4.17#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024 10:42 pm
Operator : PEST18:kab
Sample   : cicvtox,42e,,pp 11851 L2.0ICV
Misc   : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 28   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:48:40 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:48:20 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.462	0.000	100.0#	0#	-4.31#
15		4,4'-DDE		1.420	0.000	100.0#	0#	-4.42#
16		Endosulfan I		1.316	0.000	100.0#	0#	-4.45#
17		Dieldrin		1.386	0.000	100.0#	0#	-4.72#
18		Endrin		1.370	0.000	100.0#	0#	-4.98#
19		4,4'-DDD		1.116	0.000	100.0#	0#	-5.09#
20		Endosulfan II		1.201	0.000	100.0#	0#	-5.22#
21		4,4'-DDT		1.194	0.000	100.0#	0#	-5.38#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.63#
23		Methoxychlor		0.701	0.000	100.0#	0#	-5.87#
24		Mirex		1.170	0.000	100.0#	0#	-5.92#
25		Endosulfan Sulfate		1.161	0.000	100.0#	0#	-6.02#
26		Endrin Ketone		1.347	0.000	100.0#	0#	-6.25#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.05#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.78#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.20#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.58#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.17#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.30#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.88#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.068	0.000	100.0#	0#	-2.46#
3		Hexachlorobenzene		1.166	0.000	100.0#	0#	-2.82#
4		alpha-BHC		1.483	0.000	100.0#	0#	-2.93#
5		gamma-BHC (lindane)		1.439	0.000	100.0#	0#	-3.24#
6		beta-BHC		0.644	0.000	100.0#	0#	-3.31#
7		delta-BHC		1.385	0.000	100.0#	0#	-3.59#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 4 Nov 2024 10:42 pm
Operator : PEST18:kab
Sample   : cicvtox,42e,,pp 11851 L2.0ICV
Misc   : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 28   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:48:40 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:48:20 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.324	0.000	100.0#	0#	-3.66#
9		Aldrin		1.229	0.000	100.0#	0#	-3.99#
10		Alachlor		0.181	0.000	100.0#	0#	-3.88#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.25#
12		Heptachlor Epoxide		1.215	0.000	100.0#	0#	-4.63#
13		gamma-Chlordane (trans)		1.098	0.000	100.0#	0#	-4.86#
14		alpha-Chlordane (cis)		1.235	0.000	100.0#	0#	-5.03#
15		4,4'-DDE		1.187	0.000	100.0#	0#	-5.23#
16		Endosulfan I		1.157	0.000	100.0#	0#	-5.09#
17		Dieldrin		1.166	0.000	100.0#	0#	-5.38#
18		Endrin		1.190	0.000	100.0#	0#	-5.68#
19		4,4'-DDD		0.991	0.000	100.0#	0#	-5.80#
20		Endosulfan II		1.034	0.000	100.0#	0#	-5.88#
21		4,4'-DDT		1.100	0.000	100.0#	0#	-6.08#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-6.17#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.64#
24		Mirex	*	50.000	0.000	100.0#	0	-6.78#
25		Endosulfan Sulfate		1.037	0.000	100.0#	0#	-6.40#
26		Endrin Ketone		1.109	0.000	100.0#	0#	-6.82#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.69#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.88#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.51#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-4.15#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.85#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-5.02#

* 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\Pest18\2024\241104ICAL\
Data File : 18241104i-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:42 pm
Operator : PEST18:kab
Sample : cicvtox,42e,,pp 11851 L2.0ICV
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:48:40 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:48:20 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.781	1.878	78064102	478.2E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:42 pm
Operator : PEST18:kab
Sample : cicvtox,42e,,pp 11851 L2.0ICV
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:48:40 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:48:20 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	ug/l	ug/l
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum		chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	5.202	5.831	417.7E6	901.0E6	1836.821	2086.171
35)	l2	toxaphene-2	5.326	5.859	297.7E6	1330.9E6	1965.726	1931.592
36)	l2	toxaphene-3	5.551	6.178	296.9E6	1487.3E6	1773.086	1854.610
37)	l2	toxaphene-4	5.926	6.587	267.8E6	1436.2E6	1692.795	1944.739
Sum		toxaphene-1			1280.0E6	5155.4E6	7268.428	7817.112
Average		toxaphene-1					1817.107	1954.278

SemiQuant Compounds - Not Calibrated on this Instrument

Sum		toxaphene-1			1280.0E6	5155.4E6	7268.428	7817.112
Average		toxaphene-1					1817.107	1954.278

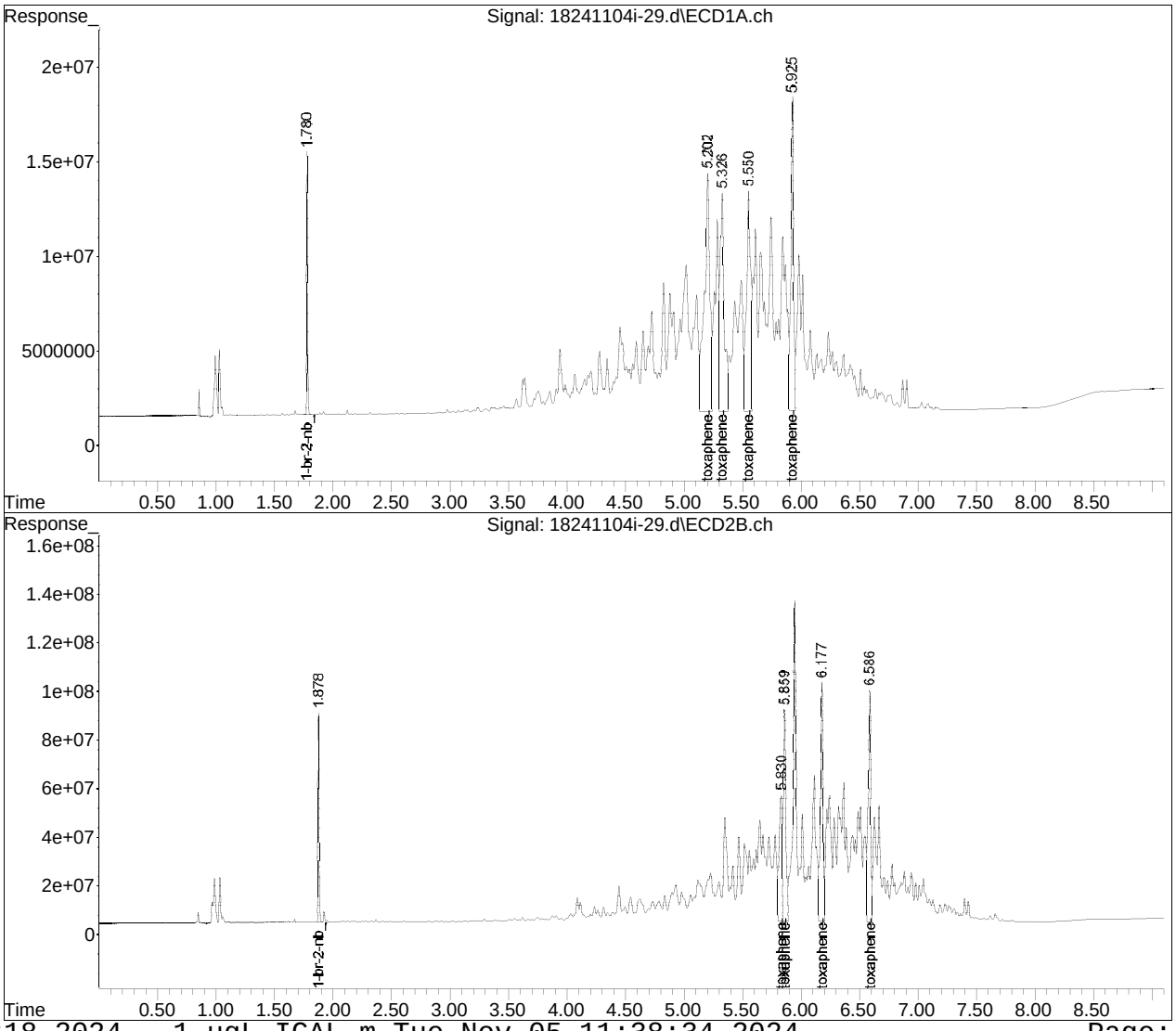
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241104ICAL\
Data File : 18241104i-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Nov 2024 10:42 pm
Operator : PEST18:kab
Sample : cicvtox,42e,,pp 11851 L2.0ICV
Misc : WG1993322, (Sig #1); ,,ical (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 05 10:48:40 2024
Quant Method : I:\PEST\Pest18\2024\241104ICAL\pest18_2024_11_01_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Nov 05 10:48:20 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\Pest18\2024\241104Q	Method	: pest18_2024_11_01_ugL_IC
Data File	: 18241104i-29.d	Operator	: PEST18:kab
Date Inj'd	: 11/4/2024 10:42 pm	Instrument	: Pest 18
Sample	: cicvtox,42e,,pp 11851 L2.0	Quant Date	: 11/5/2024 10:48 am

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report Pest 18

Method Path : I:\PEST\Pest18\2024\241104ICAL\
Method File : pest18_2024_11_01_ugL_ICAL.m
Title : pest
Last Update : Tue Nov 05 11:27:41 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	gamma-BHC (lindane)	L	ug/l	50.0	52.083	4.2	0.50	0.535	7.0
22	Endrin Aldehyde	L	ug/l	50.0	51.294	2.6	1.00	0.835	-16.5
27	S Decachlorobiphenyl	L	ug/l	50.0	52.156	4.3	2.00	1.696	-15.2
29	L1 chlordane-1	L	ug/l	1000.0	1026.562	2.7	10.00	8.168	-18.3
30	L1 chlordane-3	L	ug/l	1000.0	1011.096	1.1	10.00	7.231	-27.7
31	L1 chlordane-4	L	ug/l	1000.0	1029.604	3.0	10.00	8.674	-13.3
32	L1 chlordane-5	L	ug/l	1000.0	1026.053	2.6	10.00	8.599	-14.0
49	Chlorpyrifos #2	L	ug/l	50.0	52.505	5.0	2.00	1.674	-16.3
60	Endrin Aldehyde #2	L	ug/l	50.0	46.812	-6.4	1.00	0.994	-0.6
61	Methoxychlor #2	L	ug/l	50.0	51.157	2.3	1.00	0.738	-26.2
62	Mirex #2	L	ug/l	50.0	49.939	-0.1	2.00	1.852	-7.4
65	S Decachlorobiphenyl #2	L	ug/l	50.0	49.911	-0.2	2.00	1.943	-2.8
67	L1 chlordane-1 #2	L	ug/l	1000.0	1009.718	1.0	10.00	8.131	-18.7
68	L1 chlordane-3 #2	L	ug/l	1000.0	1016.928	1.7	10.00	7.444	-25.6
69	L1 chlordane-4 #2	L	ug/l	1000.0	997.253	-0.3	10.00	9.510	-4.9
70	L1 chlordane-5 #2	L	ug/l	1000.0	991.451	-0.9	10.00	9.242	-7.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	gamma-BHC (lindane)	Linear	0.999499	0.000000	1.36058	0.0177555
22	Endrin Aldehyde	Linear	0.999076	0.000000	0.960429	0.0135023
27	S Decachlorobiphenyl	Linear	0.999053	0.000000	1.2095	0.058933
29	L1 chlordane-1	Linear	0.998894	0.000000	0.0766114	0.0192938
30	L1 chlordane-3	Linear	0.997491	0.000000	0.0516103	0.0166858
31	L1 chlordane-4	Linear	0.999143	0.000000	0.177538	0.0475014
32	L1 chlordane-5	Linear	0.999009	0.000000	0.274738	0.0633809
49	Chlorpyrifos #2	Linear	0.998191	0.000000	0.5076	0.0327912
60	Endrin Aldehyde #2	Linear	0.998526	0.000000	0.860489	0.00652243
61	Methoxychlor #2	Linear	0.999453	0.000000	0.537066	0.0136137
62	Mirex #2	Linear	0.999165	0.000000	0.734181	0.0343963
65	S Decachlorobiphenyl #2	Linear	0.999166	0.000000	0.754849	0.0305797
67	L1 chlordane-1 #2	Linear	0.997180	0.000000	0.0362468	0.00775571
68	L1 chlordane-3 #2	Linear	0.995010	0.000000	0.0380098	0.0107125
69	L1 chlordane-4 #2	Linear	0.999136	0.000000	0.152035	0.0131371
70	L1 chlordane-5 #2	Linear	0.998853	0.000000	0.118516	0.0171133

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 11/25/24 19:19	
Lab File ID	: 18241125b-04		**Init. Calib. Date(s)**	: 11/04/24	11/04/24
Sample No	: WG2002247-2		**Init. Calib. Times**	: 17:40	22:30
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	133	0
chlordane-1	1000	690.571	-	30.9*	20	92	0
chlordane-3	1000	824.149	-	17.6	20	111	0
chlordane-4	1000	831.997	-	16.8	20	110	0
chlordane-5	1000	905.704	-	9.4	20	120	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 11/25/24 19:19	
Lab File ID	: 18241125b-04		**Init. Calib. Date(s)**	: 11/04/24	11/04/24
Sample No	: WG2002247-2		**Init. Calib. Times**	: 17:40	22:30
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	133	0
chlordane-1	1000	869.813	-	13	20	119	0
chlordane-3	1000	886.001	-	11.4	20	120	0
chlordane-4	1000	858.027	-	14.2	20	119	0
chlordane-5	1000	853.358	-	14.7	20	119	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 11/25/24 19:31	
Lab File ID	: 18241125b-05		**Init. Calib. Date(s)**	: 11/04/24	11/04/24
Sample No	: WG2002247-3		**Init. Calib. Times**	: 17:40	22:30
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	147	0
toxaphene-1	0.073	0.059	-	19.2	20	122	0
toxaphene-2	0.048	0.043	-	10.4	20	137	0
toxaphene-3	0.054	0.042	-	22.2*	20	118	0
toxaphene-4	0.051	0.038	-	25.5*	20	116	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2467934	
Project Name	: HUNTINGTON READY MIXED		Project Number	: 20116	
Instrument ID	: PEST18		Calibration Date	: 11/25/24 19:31	
Lab File ID	: 18241125b-05		Init. Calib. Date(s)	: 11/04/24	11/04/24
Sample No	: WG2002247-3		Init. Calib. Times	: 17:40	22:30
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	161	0
toxaphene-1	0.023	0.019	-	17.4	20	129	0
toxaphene-2	0.036	0.028	-	22.2*	20	132	0
toxaphene-3	0.042	0.032	-	23.8*	20	124	0
toxaphene-4	0.039	0.031	-	20.5*	20	131	0

Average %D = 21%

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934		
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116		
Instrument ID	: PEST18	**Calibration Date**	: 11/26/24 02:45		
Lab File ID	: 18241125b-39	**Init. Calib. Date(s)**	: 11/04/24	11/04/24	
Sample No	: WG2002247-4	**Init. Calib. Times**	: 17:40	22:30	
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	147	0
2,4,5,6-Tetrachloro-m-xylen	1.281	1.131	-	11.7	20	134	0
Hexachlorobenzene	1.41	1.197	-	15.1	20	136	0
alpha-BHC	1.573	1.569	-	0.3	20	143	0
gamma-BHC (lindane)	50	51.914	-	-3.8	20	144	0
beta-BHC	0.757	0.683	-	9.8	20	146	0
delta-BHC	1.448	1.418	-	2.1	20	143	0
Heptachlor	1.429	1.409	-	1.4	20	151	0
Aldrin	1.418	1.416	-	0.1	20	148	0
Alachlor	0.215	0.206	-	4.2	20	151	0
Chlorpyrifos	0.714	0.66	-	7.6	20	156	0
Heptachlor Epoxide	1.364	1.284	-	5.9	20	144	0
gamma-Chlordane (trans)	1.323	1.369	-	-3.5	20	165	0
alpha-Chlordane (cis)	1.462	1.359	-	7	20	144	0
4,4'-DDE	1.42	1.338	-	5.8	20	139	0
Endosulfan I	1.316	1.231	-	6.5	20	144	0
Dieldrin	1.386	1.424	-	-2.7	20	158	0
Endrin	1.37	1.342	-	2	20	148	0
4,4'-DDD	1.116	1.172	-	-5	20	157	0
Endosulfan II	1.201	1.206	-	-0.4	20	153	0
4,4'-DDT	1.194	1.142	-	4.4	20	145	0
Endrin Aldehyde	50	44.52	-	11	20	126	0
Methoxychlor	0.701	0.641	-	8.6	20	145	0
Mirex	1.17	1.013	-	13.4	20	141	0
Endosulfan Sulfate	1.161	1.091	-	6	20	145	0
Endrin Ketone	1.347	1.316	-	2.3	20	149	0
Decachlorobiphenyl	50	38.401	-	23.2*	20	107	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2467934	
Project Name	: HUNTINGTON READY MIXED		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 11/26/24 02:45	
Lab File ID	: 18241125b-39		**Init. Calib. Date(s)**	: 11/04/24	11/04/24
Sample No	: WG2002247-4		**Init. Calib. Times**	: 17:40	22:30
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	156	0
2,4,5,6-Tetrachloro-m-xyl	1.068	1.039	-	2.7	20	157	0
Hexachlorobenzene	1.166	0.979	-	16	20	143	0
alpha-BHC	1.483	1.387	-	6.5	20	142	0
gamma-BHC (lindane)	1.439	1.242	-	13.7	20	140	0
beta-BHC	0.644	0.551	-	14.4	20	142	0
delta-BHC	1.385	1.248	-	9.9	20	137	0
Heptachlor	1.324	1.15	-	13.1	20	134	0
Aldrin	1.229	1.162	-	5.5	20	146	0
Alachlor	0.181	0.198	-	-9.4	20	178	0
Chlorpyrifos	50	52.699	-	-5.4	20	147	0
Heptachlor Epoxide	1.215	1.075	-	11.5	20	143	0
gamma-Chlordane (trans)	1.098	1.133	-	-3.2	20	166	0
alpha-Chlordane (cis)	1.235	1.094	-	11.4	20	145	0
4,4'-DDE	1.187	1.094	-	7.8	20	141	0
Endosulfan I	1.157	1.04	-	10.1	20	146	0
Dieldrin	1.166	1.161	-	0.4	20	157	0
Endrin	1.19	1.08	-	9.2	20	144	0
4,4'-DDD	0.991	0.95	-	4.1	20	152	0
Endosulfan II	1.034	0.983	-	4.9	20	152	0
4,4'-DDT	1.1	0.911	-	17.2	20	132	0
Endrin Aldehyde	50	39.528	-	20.9*	20	124	0
Methoxychlor	50	42.098	-	15.8	20	121	0
Mirex	50	47.377	-	5.2	20	139	0
Endosulfan Sulfate	1.037	0.931	-	10.2	20	144	0
Endrin Ketone	1.109	1.005	-	9.4	20	145	0
Decachlorobiphenyl	50	35.282	-	29.4*	20	104	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 25 Nov 2024 19:19
Operator : PEST18:ejl
Sample   : wg2002247-2,42,,chlor11816 (Sig #1); chlor11816 (Sig #2)
Misc   : wg2002247,,ical21663
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:31:45 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	133	0.00
29	l1	chlordane-1		*1000.000	690.571	30.9#	92	0.00
30	l1	chlordane-3		*1000.000	824.149	17.6	111	0.00
31	l1	chlordane-4		*1000.000	831.997	16.8	110	0.00
32	l1	chlordane-5		*1000.000	905.704	9.4	120	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	133	0.00
29	l1	chlordane-1		*1000.000	869.813	13.0	119	0.00
30	l1	chlordane-3		*1000.000	886.001	11.4	120	0.00
31	l1	chlordane-4		*1000.000	858.027	14.2	119	0.00
32	l1	chlordane-5		*1000.000	853.358	14.7	119	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.75#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.281	0.000	100.0#	0#	-2.19#
3		Hexachlorobenzene		1.410	0.000	100.0#	0#	-2.44#
4		alpha-BHC		1.573	0.000	100.0#	0#	-2.56#
5		gamma-BHC (lindane)		* 50.000	0.000	100.0#	0	-2.78#
6		beta-BHC		0.757	0.000	100.0#	0#	-2.85#
7		delta-BHC		1.448	0.000	100.0#	0#	-2.98#
8		Heptachlor		1.429	0.000	100.0#	0#	-3.16#
9		Aldrin		1.418	0.000	100.0#	0#	-3.41#
10		Alachlor		0.215	0.000	100.0#	0#	-3.55#
11		Chlorpyrifos		0.714	0.000	100.0#	0#	-3.65#
12		Heptachlor Epoxide		1.364	0.000	100.0#	0#	-3.98#
13		gamma-Chlordane (trans)		1.323	0.000	100.0#	0#	-4.11#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 25 Nov 2024 19:19
Operator : PEST18:ejl
Sample   : wg2002247-2,42,,chlor11816 (Sig #1); chlor11816 (Sig #2)
Misc   : wg2002247,,ical21663
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:31:45 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.462	0.000	100.0#	0#	-4.25#
15		4,4'-DDE		1.420	0.000	100.0#	0#	-4.36#
16		Endosulfan I		1.316	0.000	100.0#	0#	-4.39#
17		Dieldrin		1.386	0.000	100.0#	0#	-4.66#
18		Endrin		1.370	0.000	100.0#	0#	-4.91#
19		4,4'-DDD		1.116	0.000	100.0#	0#	-5.03#
20		Endosulfan II		1.201	0.000	100.0#	0#	-5.16#
21		4,4'-DDT		1.194	0.000	100.0#	0#	-5.33#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.58#
23		Methoxychlor		0.701	0.000	100.0#	0#	-5.82#
24		Mirex		1.170	0.000	100.0#	0#	-5.87#
25		Endosulfan Sulfate		1.161	0.000	100.0#	0#	-5.97#
26		Endrin Ketone		1.347	0.000	100.0#	0#	-6.20#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.01#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.75#
34	l2	toxaphene-1		0.073	0.000	100.0#	0#	-5.15#
35	l2	toxaphene-2		0.048	0.000	100.0#	0#	-5.27#
36	l2	toxaphene-3		0.054	0.000	100.0#	0#	-5.50#
37	l2	toxaphene-4		0.051	0.000	100.0#	0#	-5.88#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.85#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.068	0.000	100.0#	0#	-2.42#
3		Hexachlorobenzene		1.166	0.000	100.0#	0#	-2.78#
4		alpha-BHC		1.483	0.000	100.0#	0#	-2.88#
5		gamma-BHC (lindane)		1.439	0.000	100.0#	0#	-3.19#
6		beta-BHC		0.644	0.000	100.0#	0#	-3.26#
7		delta-BHC		1.385	0.000	100.0#	0#	-3.54#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 25 Nov 2024 19:19
Operator : PEST18:ejl
Sample   : wg2002247-2,42,,chlor11816 (Sig #1); chlor11816 (Sig #2)
Misc   : wg2002247,,ical21663
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:31:45 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.324	0.000	100.0#	0#	-3.60#
9		Aldrin		1.229	0.000	100.0#	0#	-3.93#
10		Alachlor		0.181	0.000	100.0#	0#	-3.82#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.19#
12		Heptachlor Epoxide		1.215	0.000	100.0#	0#	-4.57#
13		gamma-Chlordane (trans)		1.098	0.000	100.0#	0#	-4.79#
14		alpha-Chlordane (cis)		1.235	0.000	100.0#	0#	-4.96#
15		4,4'-DDE		1.187	0.000	100.0#	0#	-5.17#
16		Endosulfan I		1.157	0.000	100.0#	0#	-5.02#
17		Dieldrin		1.166	0.000	100.0#	0#	-5.32#
18		Endrin		1.190	0.000	100.0#	0#	-5.62#
19		4,4'-DDD		0.991	0.000	100.0#	0#	-5.75#
20		Endosulfan II		1.034	0.000	100.0#	0#	-5.82#
21		4,4'-DDT		1.100	0.000	100.0#	0#	-6.03#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-6.12#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.60#
24		Mirex	*	50.000	0.000	100.0#	0	-6.73#
25		Endosulfan Sulfate		1.037	0.000	100.0#	0#	-6.35#
26		Endrin Ketone		1.109	0.000	100.0#	0#	-6.77#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.65#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.85#
34	l2	toxaphene-1		0.023	0.000	100.0#	0#	-5.78#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.81#
36	l2	toxaphene-3		0.042	0.000	100.0#	0#	-6.13#
37	l2	toxaphene-4		0.039	0.000	100.0#	0#	-6.54#

* 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\Pest18\2024\241125b\
Data File : 18241125b-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 19:19
Operator : PEST18:ejl
Sample : wg2002247-2,42,,chlor11816 (Sig #1); chlor11816 (Sig #2)
Misc : wg2002247,,ical21663
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:31:45 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.751	1.849	91547717	612.1E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	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	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 19:19
Operator : PEST18:ejl
Sample : wg2002247-2,42,,chlor11816 (Sig #1); chlor11816 (Sig #2)
Misc : wg2002247,,ical21663
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:31:45 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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	ug/l	ug/l	
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29)	l1	chlordane-1	3.156	3.460	195.5E6	776.7E6	690.571	869.813	
30)	l1	chlordane-3	3.533	4.091	157.3E6	831.1E6	824.149	886.001	
31)	l1	chlordane-4	4.112	4.790	545.3E6	3202.1E6	831.997	858.027	
32)	l1	chlordane-5	4.242	4.963	917.0E6	2486.8E6	905.704	853.358	
	Sum	chlordane-1			1815.0E6	7296.8E6	N.D.	N.D.	D
Average		chlordane-1					813.105	866.800	
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

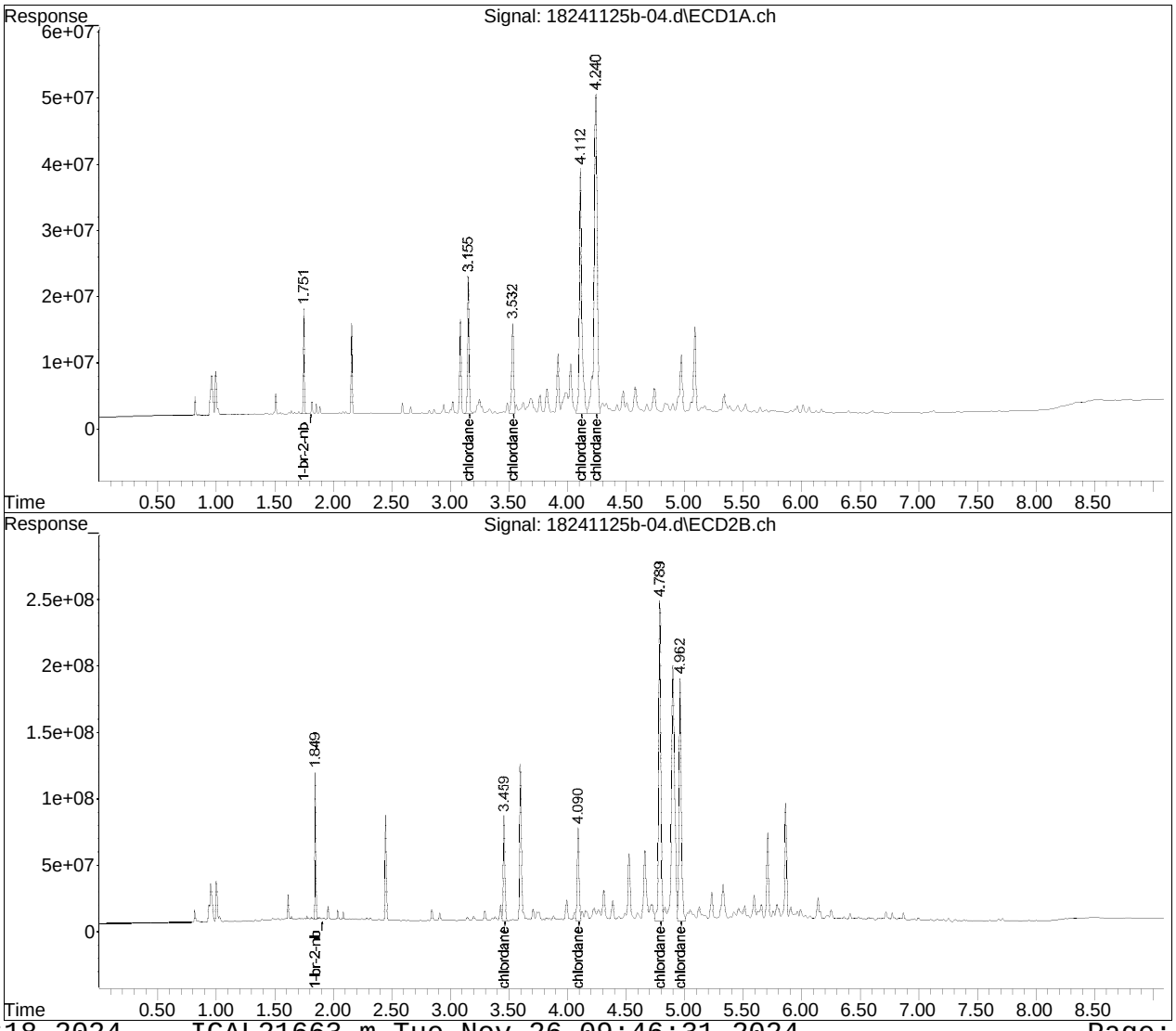
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 19:19
Operator : PEST18:ejl
Sample : wg2002247-2,42,,chlor11816 (Sig #1); chlor11816 (Sig #2)
Misc : wg2002247,,ical21663
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:31:45 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

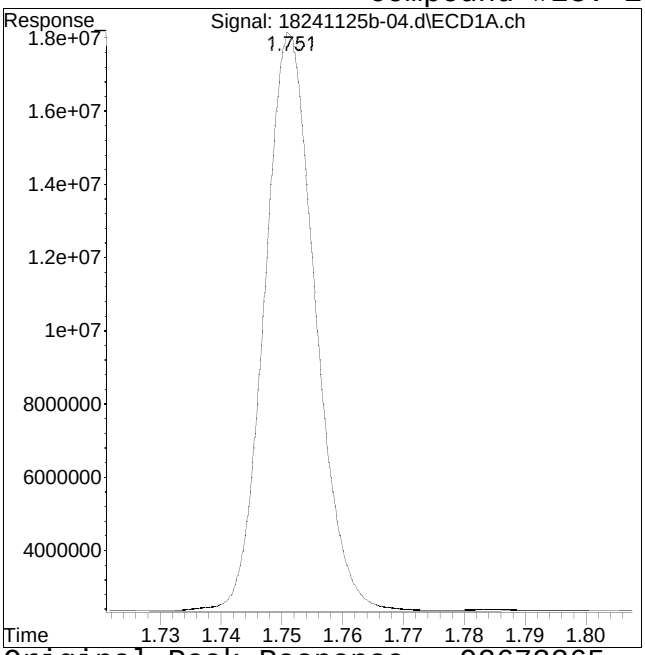
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

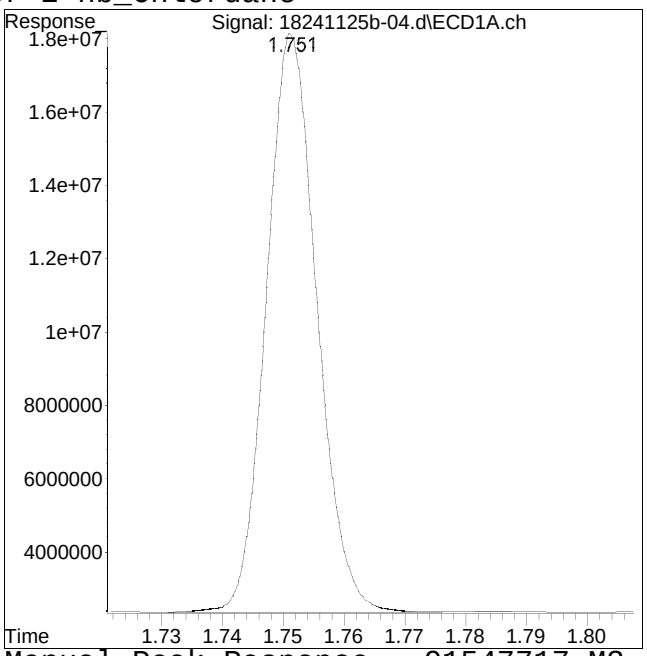


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-04.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 19:19 Instrument : Pest 18
Sample : wg2002247-2,42,,chlor11816Quant Date : 11/25/2024 7:31 pm

Compound #28: 1-br-2-nb_Chlordane



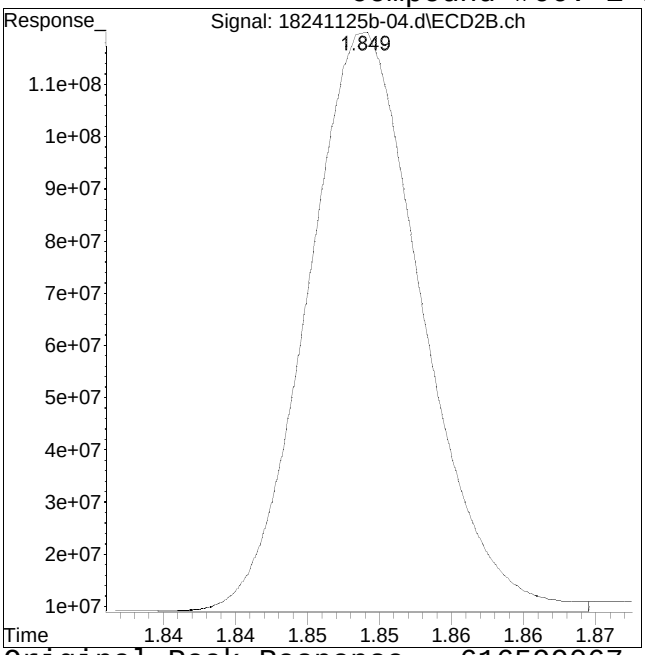


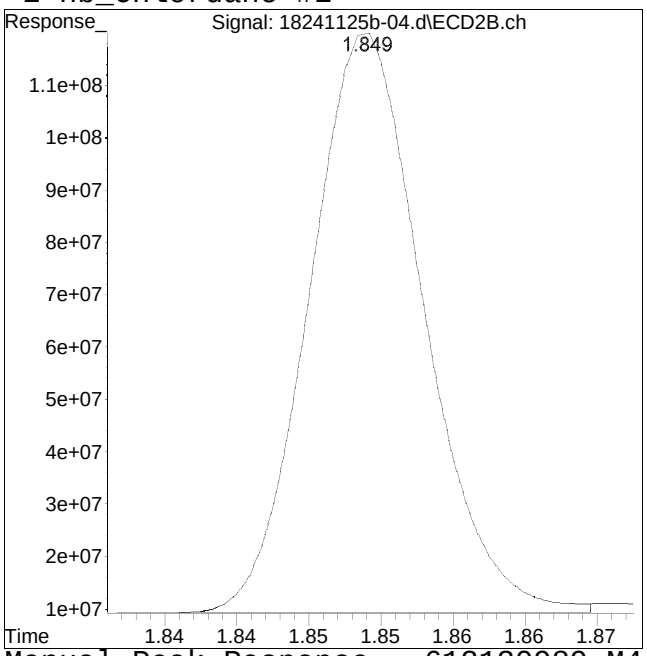
Original Peak Response = 92673265 Manual Peak Response = 91547717 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-04.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 19:19 Instrument : Pest 18
Sample : wg2002247-2,42,,chlor11816Quant Date : 11/25/2024 7:31 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 616599067 Manual Peak Response = 612130989 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 25 Nov 2024 19:31
Operator : PEST18:ejl
Sample   : wg2002247-3,42,,tox11851 (Sig #1); tox11851 (Sig #2)
Misc   : wg2002247,,ical21663
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:42:38 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	147	0.00
34	l2	toxaphene-1		0.073	0.059	19.2	122	0.00
35	l2	toxaphene-2		0.048	0.043	10.4	137	0.00
36	l2	toxaphene-3		0.054	0.042	22.2#	118	0.00
37	l2	toxaphene-4		0.051	0.038	25.5#	116	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	161	0.00
34	l2	toxaphene-1		0.023	0.019	17.4	129	0.00
35	l2	toxaphene-2		0.036	0.028	22.2#	132	0.00
36	l2	toxaphene-3		0.042	0.032	23.8#	124	0.00
37	l2	toxaphene-4		0.039	0.031	20.5#	131	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.75#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.281	0.000	100.0#	0#	-2.19#
3		Hexachlorobenzene		1.410	0.000	100.0#	0#	-2.44#
4		alpha-BHC		1.573	0.000	100.0#	0#	-2.56#
5		gamma-BHC (lindane)	*	50.000	0.000	100.0#	0	-2.78#
6		beta-BHC		0.757	0.000	100.0#	0#	-2.85#
7		delta-BHC		1.448	0.000	100.0#	0#	-2.98#
8		Heptachlor		1.429	0.000	100.0#	0#	-3.16#
9		Aldrin		1.418	0.000	100.0#	0#	-3.41#
10		Alachlor		0.215	0.000	100.0#	0#	-3.55#
11		Chlorpyrifos		0.714	0.000	100.0#	0#	-3.65#
12		Heptachlor Epoxide		1.364	0.000	100.0#	0#	-3.98#
13		gamma-Chlordane (trans)		1.323	0.000	100.0#	0#	-4.11#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 25 Nov 2024 19:31
Operator : PEST18:ejl
Sample   : wg2002247-3,42,,tox11851 (Sig #1); tox11851 (Sig #2)
Misc   : wg2002247,,ical21663
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:42:38 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.462	0.000	100.0#	0#	-4.25#
15		4,4'-DDE		1.420	0.000	100.0#	0#	-4.36#
16		Endosulfan I		1.316	0.000	100.0#	0#	-4.39#
17		Dieldrin		1.386	0.000	100.0#	0#	-4.66#
18		Endrin		1.370	0.000	100.0#	0#	-4.91#
19		4,4'-DDD		1.116	0.000	100.0#	0#	-5.03#
20		Endosulfan II		1.201	0.000	100.0#	0#	-5.16#
21		4,4'-DDT		1.194	0.000	100.0#	0#	-5.33#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.58#
23		Methoxychlor		0.701	0.000	100.0#	0#	-5.82#
24		Mirex		1.170	0.000	100.0#	0#	-5.87#
25		Endosulfan Sulfate		1.161	0.000	100.0#	0#	-5.97#
26		Endrin Ketone		1.347	0.000	100.0#	0#	-6.20#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.01#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.75#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.16#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.53#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.11#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.24#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.85#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.068	0.000	100.0#	0#	-2.42#
3		Hexachlorobenzene		1.166	0.000	100.0#	0#	-2.78#
4		alpha-BHC		1.483	0.000	100.0#	0#	-2.88#
5		gamma-BHC (lindane)		1.439	0.000	100.0#	0#	-3.19#
6		beta-BHC		0.644	0.000	100.0#	0#	-3.26#
7		delta-BHC		1.385	0.000	100.0#	0#	-3.54#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 25 Nov 2024 19:31
Operator : PEST18:ejl
Sample   : wg2002247-3,42,,tox11851 (Sig #1); tox11851 (Sig #2)
Misc   : wg2002247,,ical21663
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:42:38 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.324	0.000	100.0#	0#	-3.60#
9		Aldrin		1.229	0.000	100.0#	0#	-3.93#
10		Alachlor		0.181	0.000	100.0#	0#	-3.82#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.19#
12		Heptachlor Epoxide		1.215	0.000	100.0#	0#	-4.57#
13		gamma-Chlordane (trans)		1.098	0.000	100.0#	0#	-4.79#
14		alpha-Chlordane (cis)		1.235	0.000	100.0#	0#	-4.96#
15		4,4'-DDE		1.187	0.000	100.0#	0#	-5.17#
16		Endosulfan I		1.157	0.000	100.0#	0#	-5.02#
17		Dieldrin		1.166	0.000	100.0#	0#	-5.32#
18		Endrin		1.190	0.000	100.0#	0#	-5.62#
19		4,4'-DDD		0.991	0.000	100.0#	0#	-5.75#
20		Endosulfan II		1.034	0.000	100.0#	0#	-5.82#
21		4,4'-DDT		1.100	0.000	100.0#	0#	-6.03#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-6.12#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.60#
24		Mirex	*	50.000	0.000	100.0#	0	-6.73#
25		Endosulfan Sulfate		1.037	0.000	100.0#	0#	-6.35#
26		Endrin Ketone		1.109	0.000	100.0#	0#	-6.77#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.65#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.85#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.46#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-4.09#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.79#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.96#

* 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\Pest18\2024\241125b\
Data File : 18241125b-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 19:31
Operator : PEST18:ejl
Sample : wg2002247-3,42,,tox11851 (Sig #1); tox11851 (Sig #2)
Misc : wg2002247,,ical21663
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:42:38 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.752	1.849	96293910	657.1E6	25.000M3	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 19:31
Operator : PEST18:ejl
Sample : wg2002247-3,42,,tox11851 (Sig #1); tox11851 (Sig #2)
Misc : wg2002247,,ical21663
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:42:38 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.149	5.781	456.8E6	1002.8E6	1628.460	1690.063
35) l2	toxaphene-2	5.274	5.809	328.6E6	1488.3E6	1759.099M3	1572.250
36) l2	toxaphene-3	5.502	6.130	326.4E6	1691.0E6	1580.507	1534.677
37) l2	toxaphene-4	5.879	6.541	292.9E6	1619.3E6	1501.343	1595.919
Sum	toxaphene-1			1404.7E6	5801.5E6	6469.410	6392.908
Average	toxaphene-1					1617.352	1598.227

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			1404.7E6	5801.5E6	6469.410	6392.908
Average	toxaphene-1					1617.352	1598.227

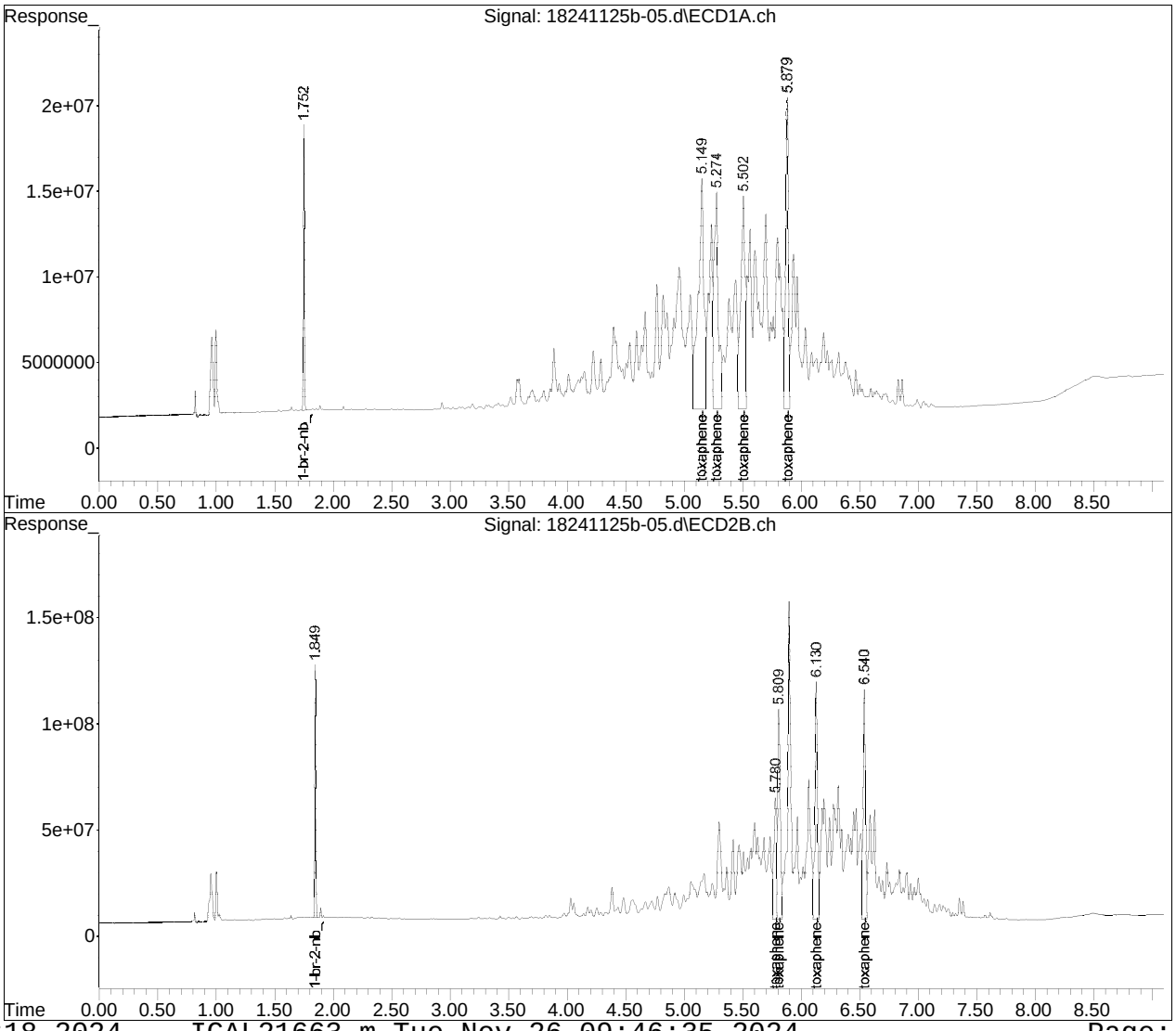
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 19:31
Operator : PEST18:ejl
Sample : wg2002247-3,42,,tox11851 (Sig #1); tox11851 (Sig #2)
Misc : wg2002247,,ical21663
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:42:38 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

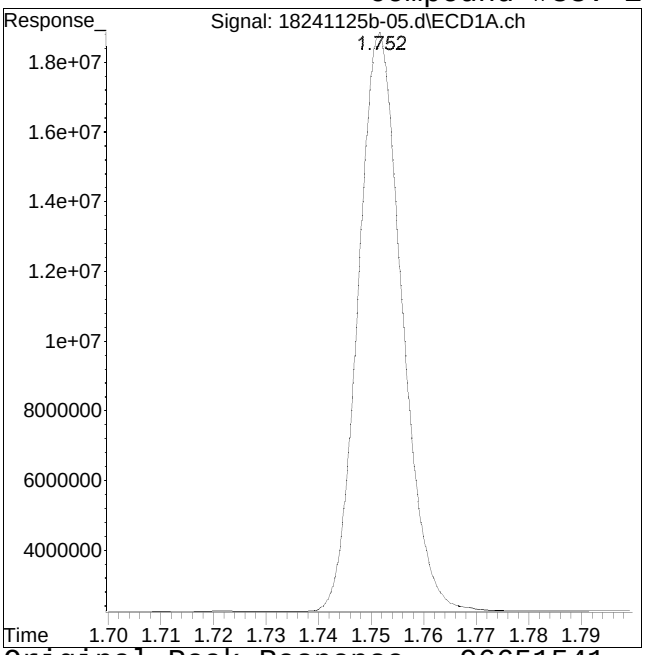
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

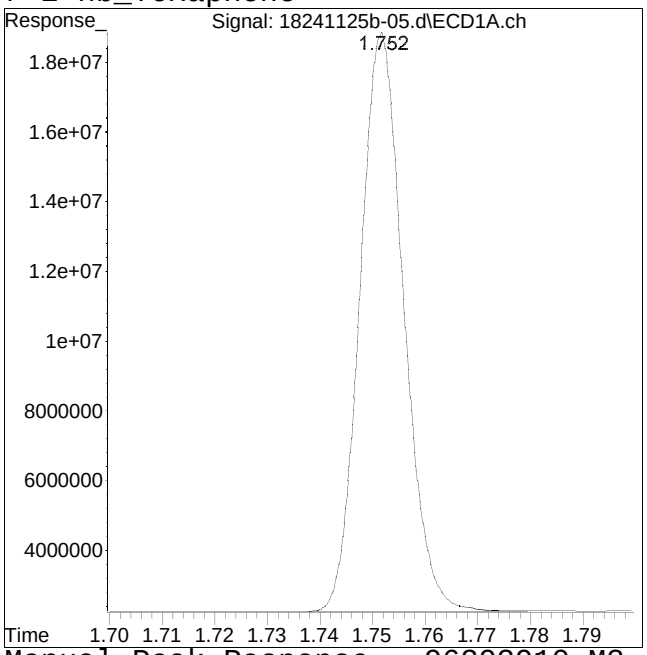


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-05.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 19:31 Instrument : Pest 18
Sample : wg2002247-3,42,,tox11851 Quant Date : 11/25/2024 7:42 pm

Compound #33: 1-br-2-nb_Toxaphene



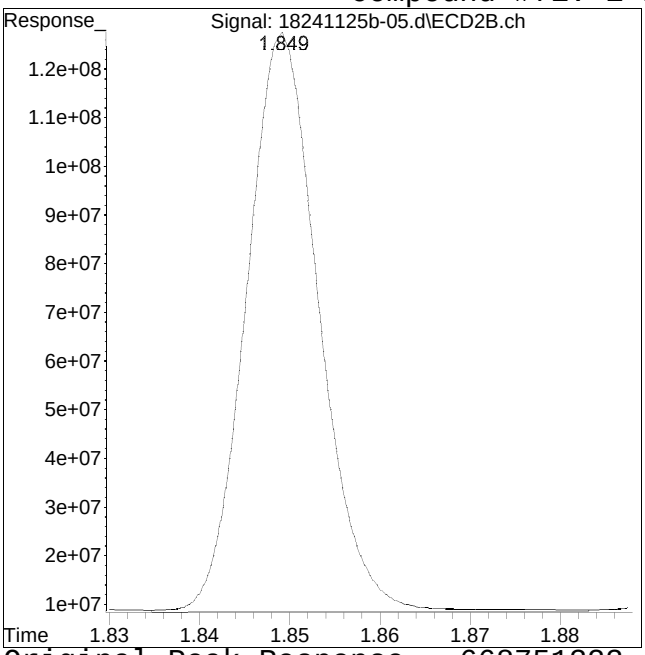


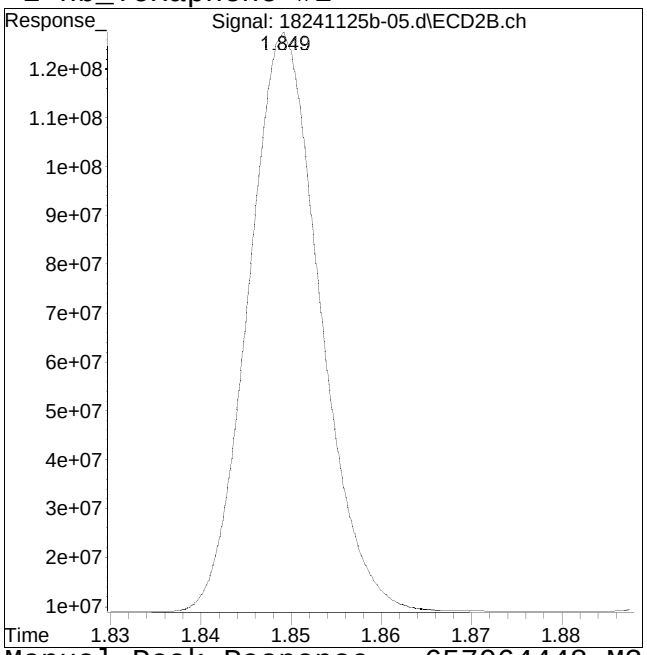
Original Peak Response = 96651541 Manual Peak Response = 96293910 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-05.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 19:31 Instrument : Pest 18
Sample : wg2002247-3,42,,tox11851 Quant Date : 11/25/2024 7:42 pm

Compound #71: 1-br-2-nb_Toxaphene #2



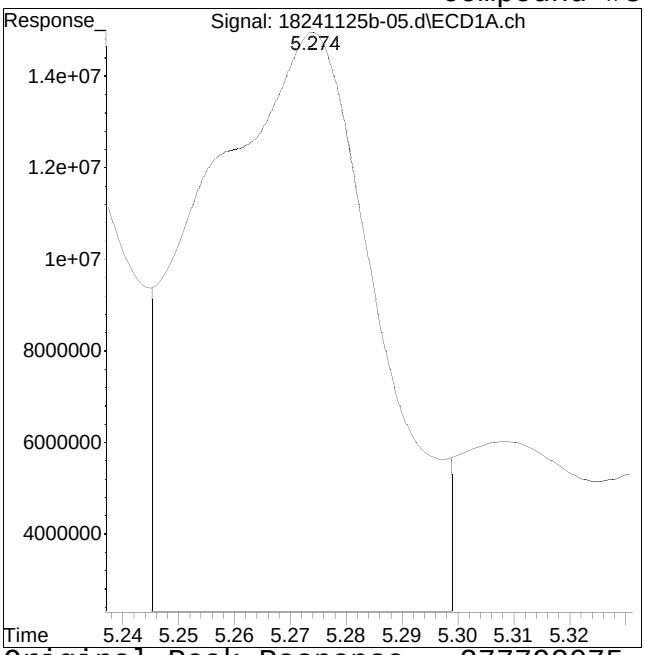


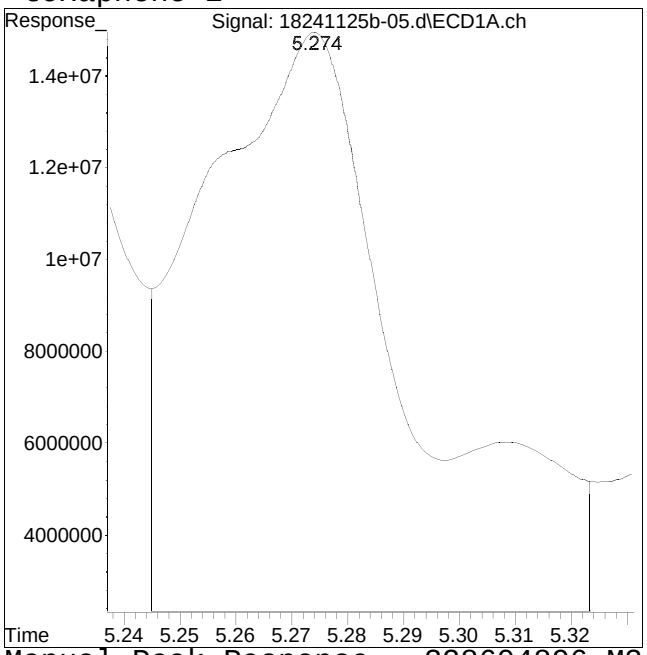
Original Peak Response = 668751323 Manual Peak Response = 657064448 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-05.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 19:31 Instrument : Pest 18
Sample : wg2002247-3,42,,tox11851 Quant Date : 11/25/2024 7:42 pm

Compound #35: toxaphene-2





Original Peak Response = 277792075 Manual Peak Response = 328604896 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:\PEST\Pest18\2024\241125b\
Data File : 18241125b-39.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Nov 2024   2:45
Operator : PEST18:peg
Sample   : WG2002247-4,42,,pest11868 (Sig #1); pest11868 (Sig #2)
Misc   : WG2002247,,ical21663
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 05:13:22 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	147	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.281	1.131	11.7	134	0.00
3		Hexachlorobenzene		1.410	1.197	15.1	136	0.00
4		alpha-BHC		1.573	1.569	0.3	143	0.00
5		gamma-BHC (lindane)	*	50.000	51.914	-3.8	144	0.00
6		beta-BHC		0.757	0.683	9.8	146	0.00
7		delta-BHC		1.448	1.418	2.1	143	0.00
8		Heptachlor		1.429	1.409	1.4	151#	0.00
9		Aldrin		1.418	1.416	0.1	148	0.00
10		Alachlor		0.215	0.206	4.2	151#	0.00
11		Chlorpyrifos		0.714	0.660	7.6	156#	0.00
12		Heptachlor Epoxide		1.364	1.284	5.9	144	0.00
13		gamma-Chlordane (trans)		1.323	1.369	-3.5	165#	0.00
14		alpha-Chlordane (cis)		1.462	1.359	7.0	144	0.00
15		4,4'-DDE		1.420	1.338	5.8	139	0.00
16		Endosulfan I		1.316	1.231	6.5	144	0.00
17		Dieldrin		1.386	1.424	-2.7	158#	0.00
18		Endrin		1.370	1.342	2.0	148	0.00
19		4,4'-DDD		1.116	1.172	-5.0	157#	0.00
20		Endosulfan II		1.201	1.206	-0.4	153#	0.00
21		4,4'-DDT		1.194	1.142	4.4	145	0.00
22		Endrin Aldehyde	*	50.000	44.520	11.0	126	0.00
23		Methoxychlor		0.701	0.641	8.6	145	0.00
24		Mirex		1.170	1.013	13.4	141	0.00
25		Endosulfan Sulfate		1.161	1.091	6.0	145	0.00
26		Endrin Ketone		1.347	1.316	2.3	149	0.00
27	s	Decachlorobiphenyl	*	50.000	38.401	23.2#	107	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-39.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Nov 2024   2:45
Operator : PEST18:peg
Sample   : WG2002247-4,42,,pest11868 (Sig #1); pest11868 (Sig #2)
Misc   : WG2002247,,ical21663
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 05:13:22 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	156	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.068	1.039	2.7	157#	0.00
3		Hexachlorobenzene		1.166	0.979	16.0	143	0.00
4		alpha-BHC		1.483	1.387	6.5	142	0.00
5		gamma-BHC (lindane)		1.439	1.242	13.7	140	0.00
6		beta-BHC		0.644	0.551	14.4	142	0.00
7		delta-BHC		1.385	1.248	9.9	137	0.00
8		Heptachlor		1.324	1.150	13.1	134	0.00
9		Aldrin		1.229	1.162	5.5	146	0.00
10		Alachlor		0.181	0.198	-9.4	178#	0.00
11		Chlorpyrifos	*	50.000	52.699	-5.4	147	0.00
12		Heptachlor Epoxide		1.215	1.075	11.5	143	0.00
13		gamma-Chlordane (trans)		1.098	1.133	-3.2	166#	0.00
14		alpha-Chlordane (cis)		1.235	1.094	11.4	145	0.00
15		4,4'-DDE		1.187	1.094	7.8	141	0.00
16		Endosulfan I		1.157	1.040	10.1	146	0.00
17		Dieldrin		1.166	1.161	0.4	157#	0.00
18		Endrin		1.190	1.080	9.2	144	0.00
19		4,4'-DDD		0.991	0.950	4.1	152#	0.00
20		Endosulfan II		1.034	0.983	4.9	152#	0.00
21		4,4'-DDT		1.100	0.911	17.2	132	0.00
22		Endrin Aldehyde	*	50.000	39.528	20.9#	124	0.00
23		Methoxychlor	*	50.000	42.098	15.8	121	0.00
24		Mirex	*	50.000	47.377	5.2	139	0.00
25		Endosulfan Sulfate		1.037	0.931	10.2	144	0.00
26		Endrin Ketone		1.109	1.005	9.4	145	0.00
27	s	Decachlorobiphenyl	*	50.000	35.282	29.4#	104	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-39.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Nov 2024   2:45
Operator : PEST18:peg
Sample   : WG2002247-4,42,,pest11868 (Sig #1); pest11868 (Sig #2)
Misc   : WG2002247,,ical21663
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 05:13:22 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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 : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.75#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.16#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.53#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.11#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.24#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.75#
34	l2	toxaphene-1		0.073	0.000	100.0#	0#	-5.15#
35	l2	toxaphene-2		0.048	0.000	100.0#	0#	-5.27#
36	l2	toxaphene-3		0.054	0.000	100.0#	0#	-5.50#
37	l2	toxaphene-4		0.051	0.000	100.0#	0#	-5.88#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.85#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.46#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-4.09#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.79#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.96#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.85#
34	l2	toxaphene-1		0.023	0.000	100.0#	0#	-5.78#
35	l2	toxaphene-2		0.036	0.000	100.0#	0#	-5.81#
36	l2	toxaphene-3		0.042	0.000	100.0#	0#	-6.13#
37	l2	toxaphene-4		0.039	0.000	100.0#	0#	-6.54#

* 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\Pest18\2024\241125b\
Data File : 18241125b-39.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 2:45
Operator : PEST18:peg
Sample : WG2002247-4,42,,pest11868 (Sig #1); pest11868 (Sig #2)
Misc : WG2002247,,ical21663
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 05:13:22 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.752	1.850	98702682	693.0E6	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.194	2.421	223.2E6	1440.4E6	44.134M3	48.658M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		88.27%	97.32%
27) s	Decachlorobi	7.009	7.648	189.2E6	759.4E6	38.401M3	35.282M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		76.80%	70.56%
	Target Compounds						
3)	Hexachlorobe	2.441	2.775	236.2E6	1356.7E6	42.424	41.980
4)	alpha-BHC	2.556	2.882	309.7E6	1922.2E6	49.875	46.768
5)	gamma-BHC (l	2.781	3.187	280.6E6	1721.8E6	51.914	43.168
6)	beta-BHC	2.846	3.261	134.8E6	763.3E6	45.104	42.764
7)	delta-BHC	2.983	3.539	280.0E6	1729.9E6	48.964	45.045
8)	Heptachlor	3.156	3.601	278.2E6	1593.4E6	49.323	43.414
9)	Aldrin	3.413	3.931	279.6E6	1610.7E6	49.925	47.274
10)	Alachlor	3.550	3.821	40707516	274.0E6	48.013	54.626
11)	Chlorpyrifos	3.648	4.184	130.4E6	764.2E6	46.259	52.699
12)	Heptachlor E	3.984	4.565	253.5E6	1490.1E6	47.080	44.250
13)	gamma-Chlord	4.113	4.790	270.3E6	1570.6E6	51.760M4	51.596M4
14)	alpha-Chlord	4.252	4.963	268.2E6	1516.1E6	46.479	44.274
15)	4,4'-DDE	4.357	5.166	264.1E6	1516.8E6	47.127	46.104
16)	Endosulfan I	4.390	5.024	243.1E6	1441.3E6	46.769M4	44.943
17)	Dieldrin	4.657	5.320	281.1E6	1609.6E6	51.369M4	49.787M4

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-39.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 2:45
Operator : PEST18:peg
Sample : WG2002247-4,42,,pest11868 (Sig #1); pest11868 (Sig #2)
Misc : WG2002247,,ical21663
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 05:13:22 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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	ug/l	ug/l
18)	Endrin	4.916	5.622	264.9E6	1497.5E6	48.979M4	45.405
19)	4,4'-DDD	5.032	5.747	231.4E6	1316.2E6	52.501M4	47.905M4
20)	Endosulfan I	5.159	5.823	238.2E6	1362.9E6	50.212M4	47.538M4
21)	4,4'-DDT	5.327	6.027	225.5E6	1262.4E6	47.842M4	41.382M4
22)	Endrin Aldeh	5.579	6.123	170.1E6	947.4E6	44.520M4	39.528M4
23)	Methoxychlor	5.819	6.596	126.6E6	636.2E6	45.735M4	42.098M4
24)	Mirex	5.874	6.731	199.9E6	988.0E6	43.280M4	47.377M4
25)	Endosulfan S	5.973	6.353	215.3E6	1290.5E6	46.988M4	44.892M4
26)	Endrin Keton	6.201	6.768	259.8E6	1393.3E6	48.862M4	45.316M4
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-39.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 2:45
Operator : PEST18:peg
Sample : WG2002247-4,42,,pest11868 (Sig #1); pest11868 (Sig #2)
Misc : WG2002247,,ical21663
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 05:13:22 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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	ug/l	ug/l
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

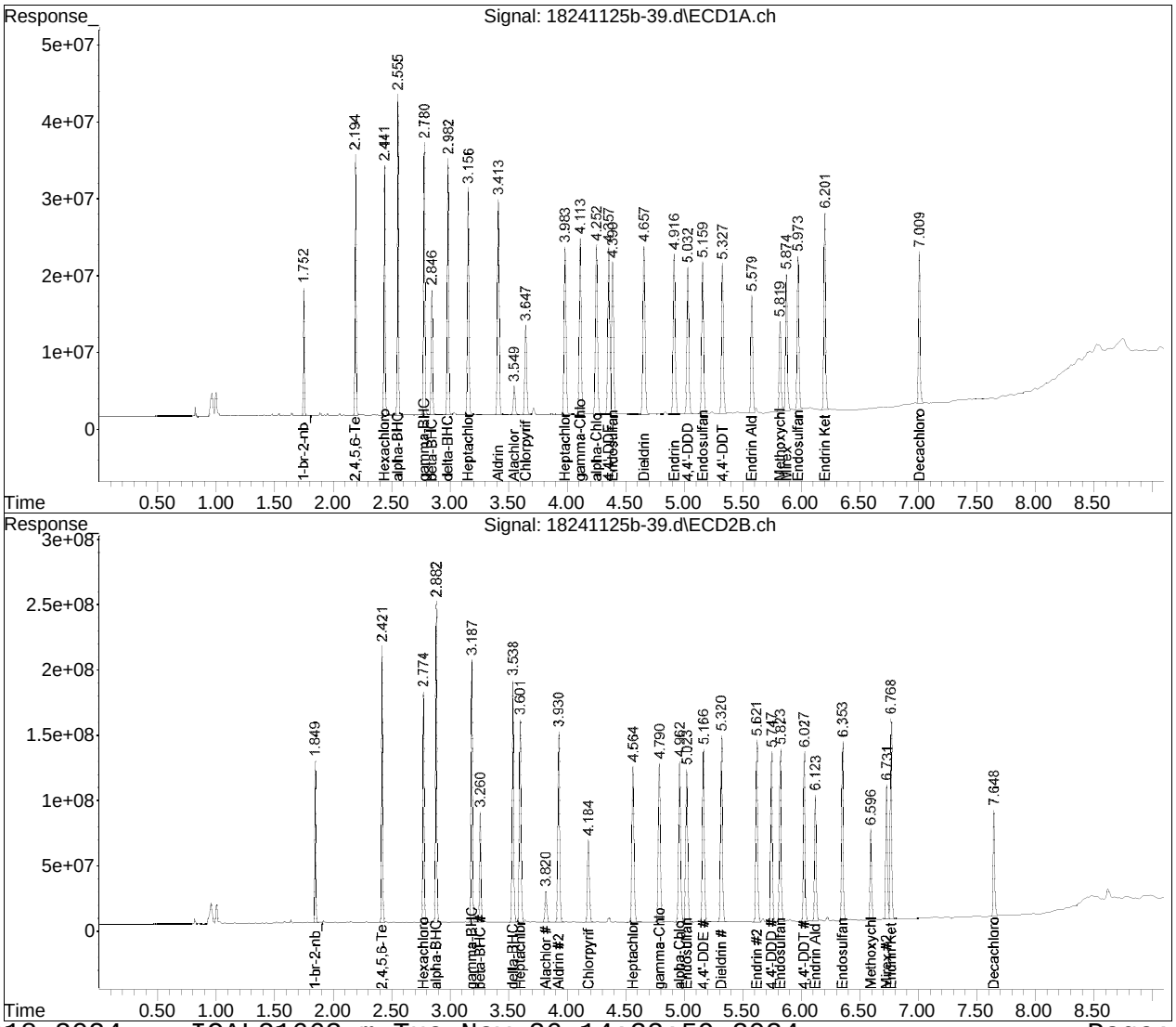
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-39.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 2:45
Operator : PEST18:peg
Sample : WG2002247-4,42,,pest11868 (Sig #1); pest11868 (Sig #2)
Misc : WG2002247,,ical21663
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 05:13:22 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

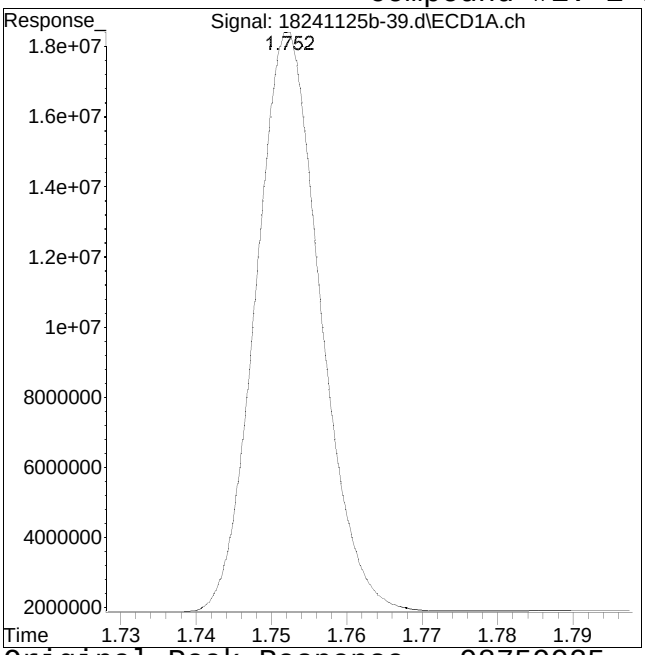
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



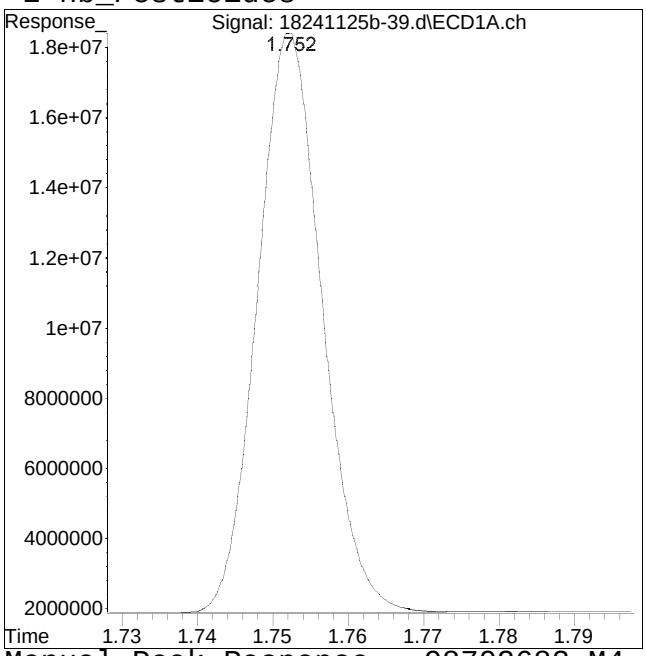
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 98759925



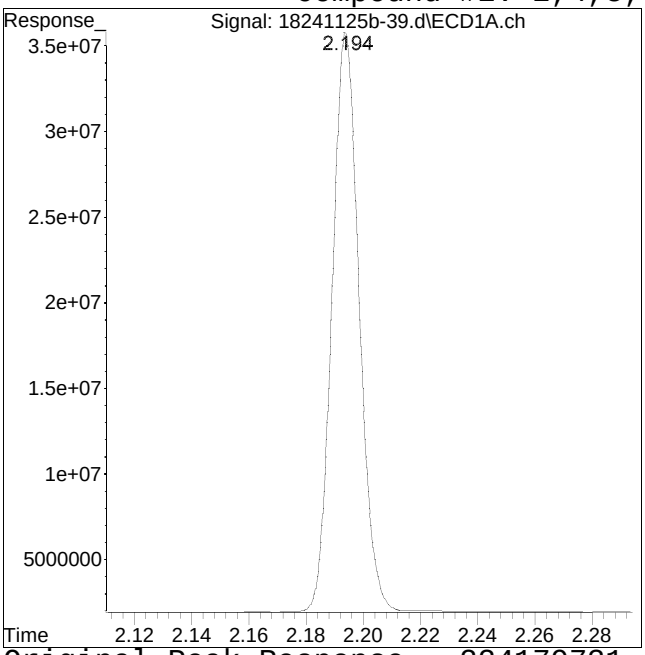
Manual Peak Response = 98702682 M4

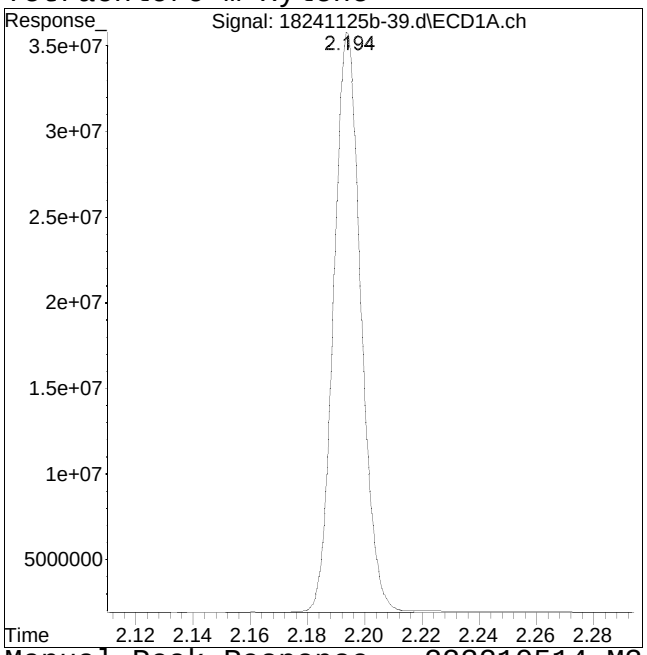
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



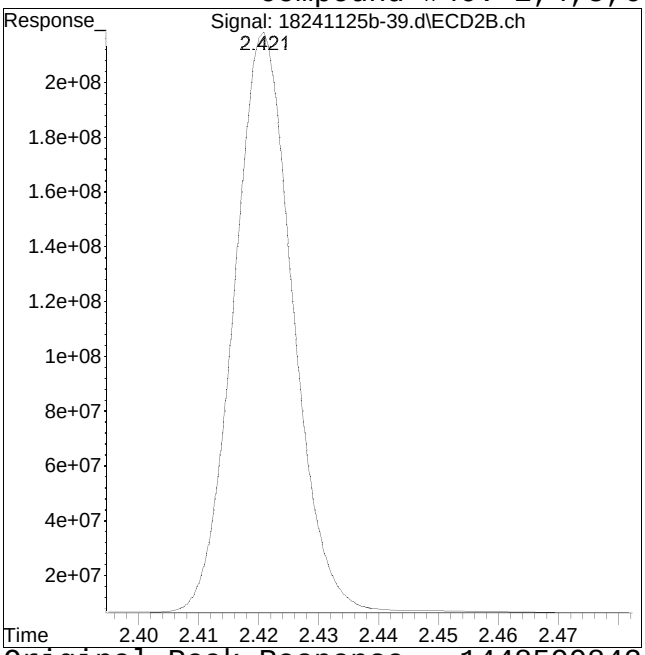


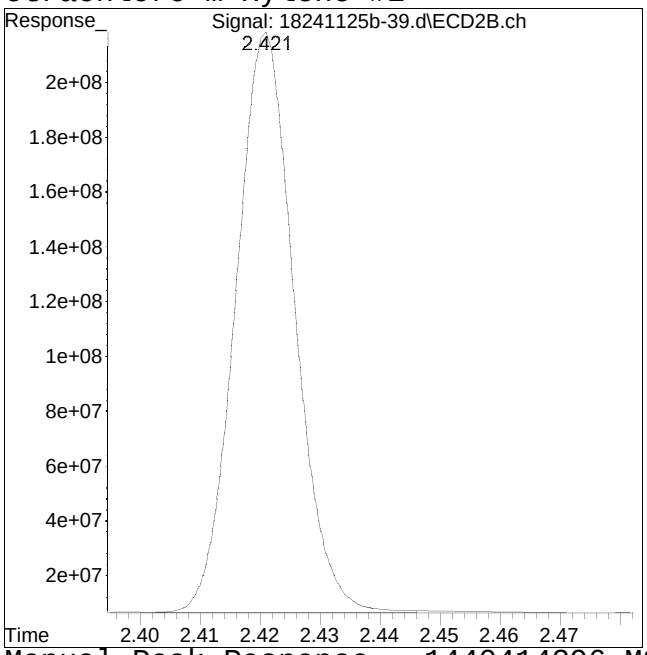
Original Peak Response = 224179731 Manual Peak Response = 223210514 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



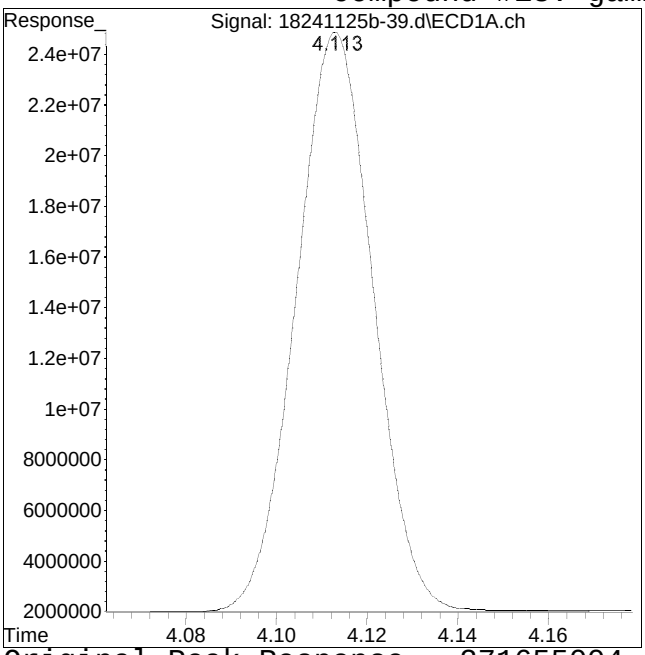


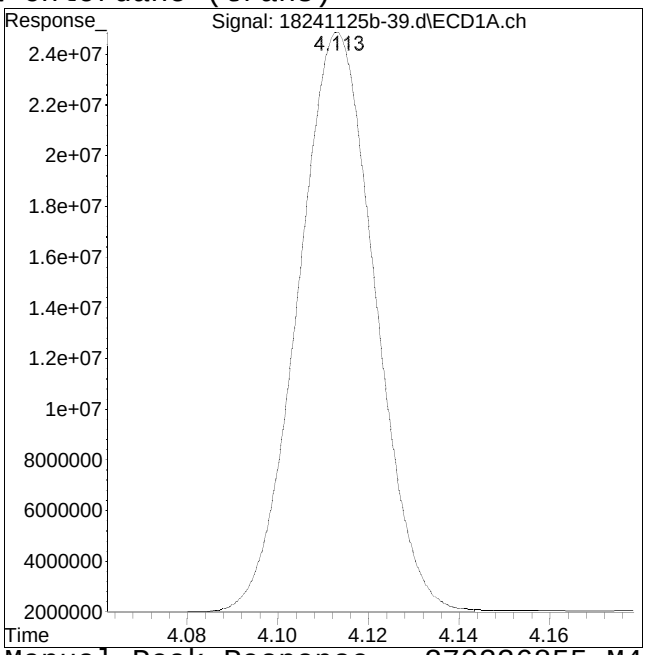
Original Peak Response = 1448599842 Manual Peak Response = 1440414296 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #13: gamma-Chlordane (trans)



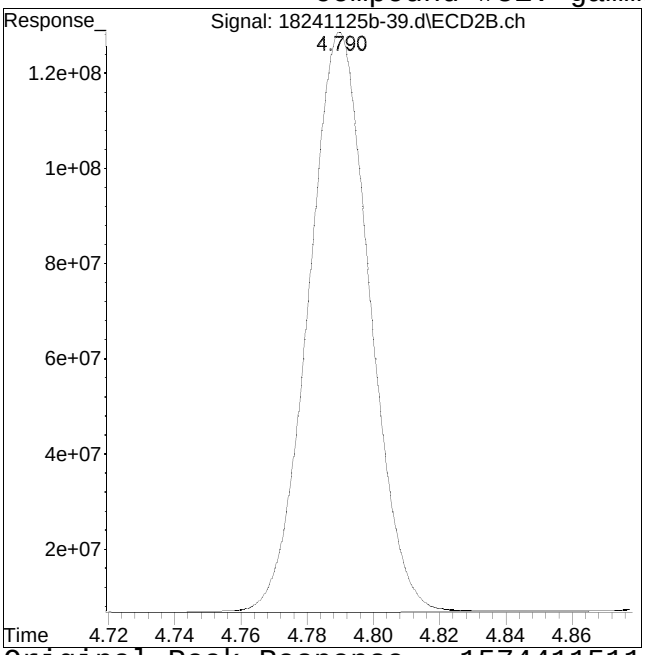


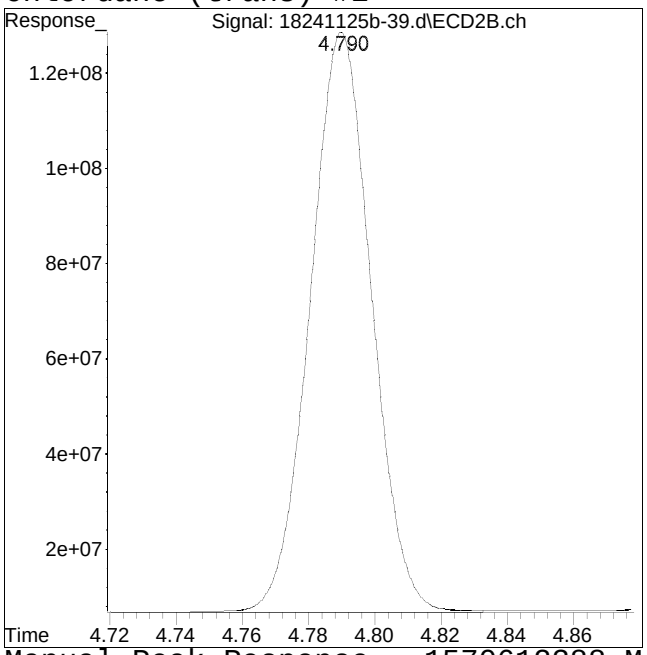
Original Peak Response = 271655004 Manual Peak Response = 270336855 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #51: gamma-Chlordane (trans) #2



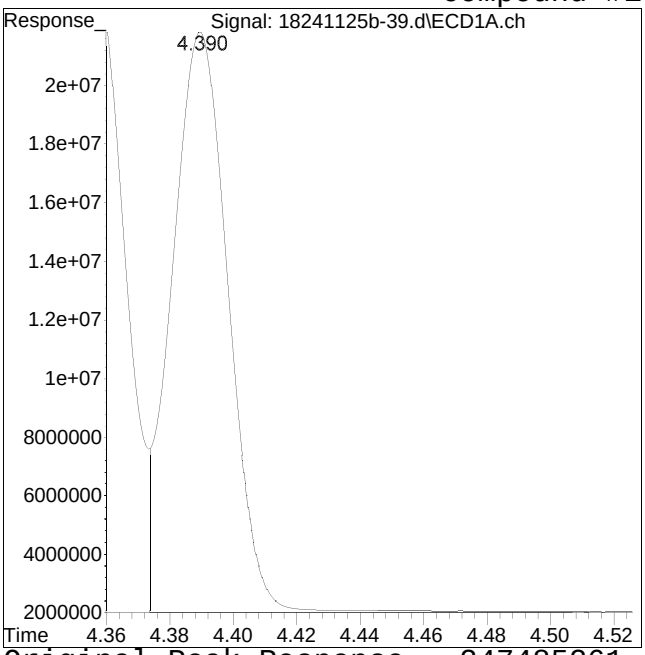


Original Peak Response = 1574411511 Manual Peak Response = 1570612388 M4
M4 = Poor automated baseline construction.

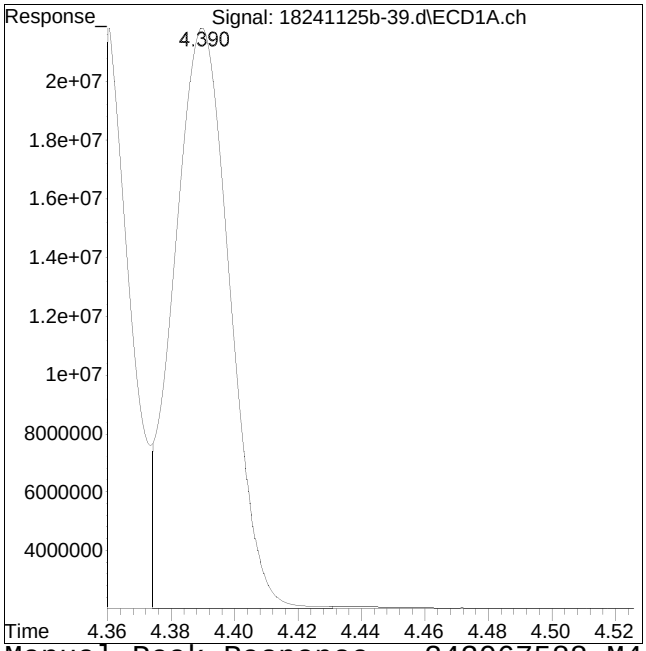
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #16: Endosulfan I



Original Peak Response = 247485261



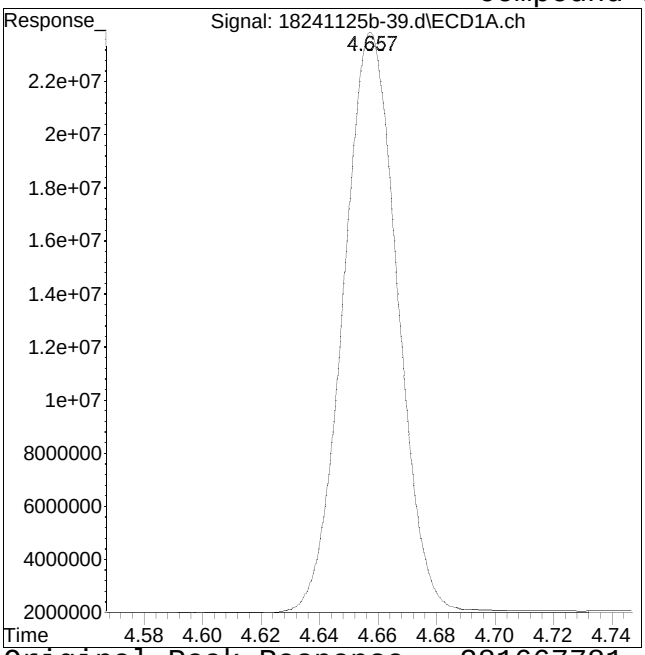
Manual Peak Response = 243067588 M4

M4 = Poor automated baseline construction.

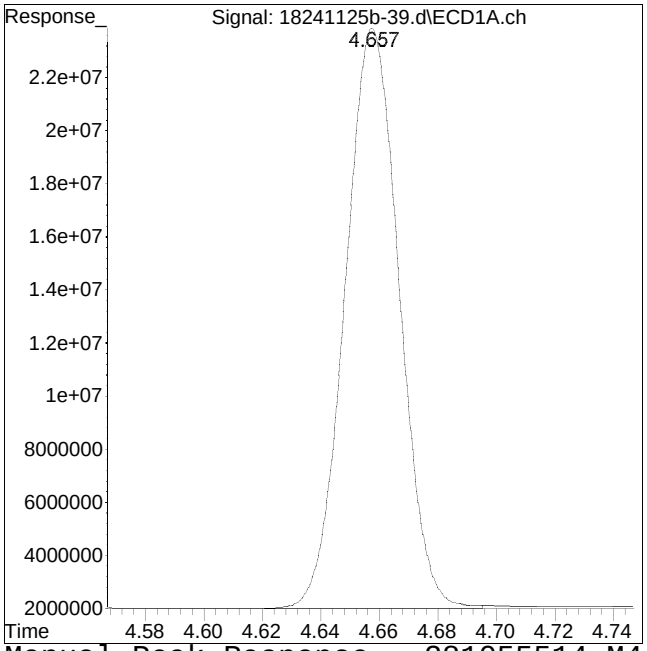
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #17: Dieldrin



Original Peak Response = 281667781



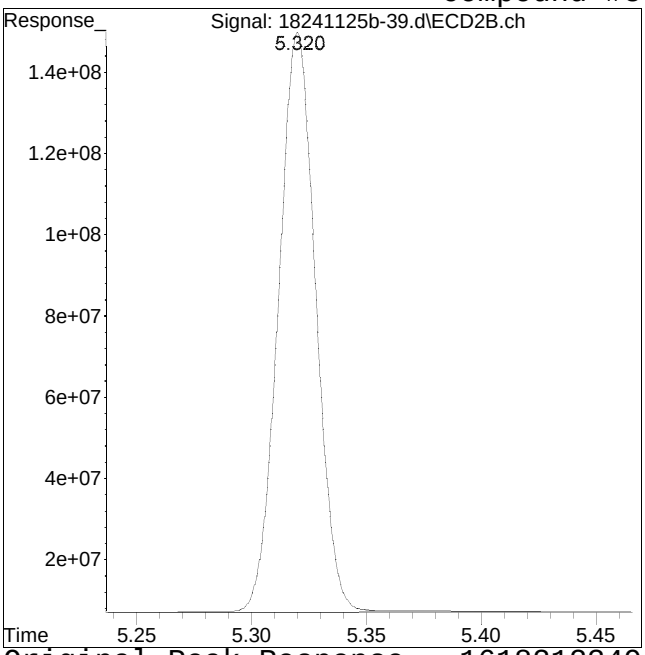
Manual Peak Response = 281055514 M4

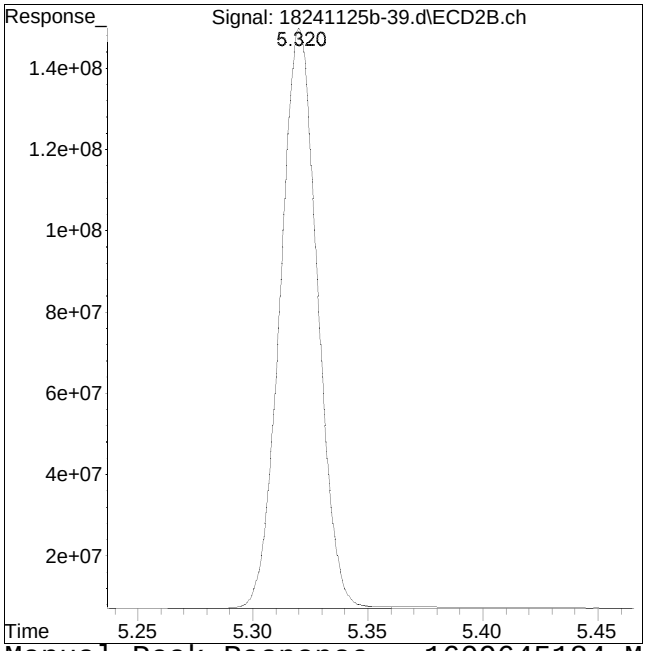
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #55: Dieldrin #2



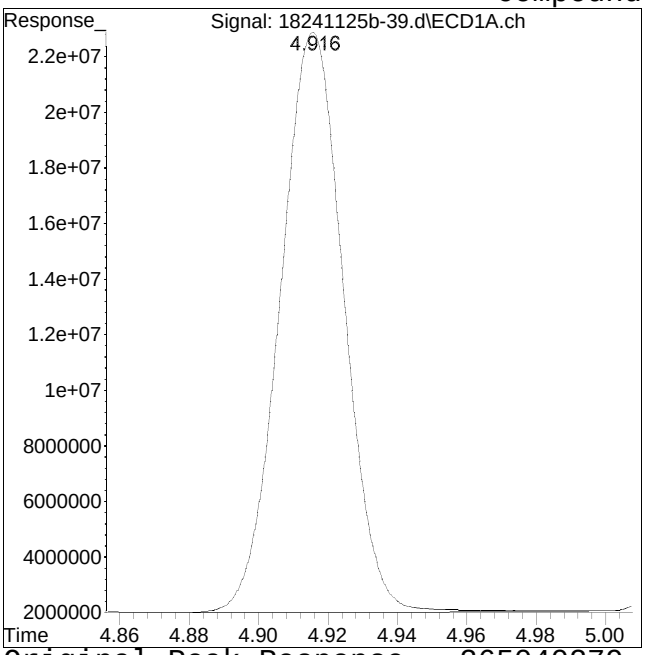


Original Peak Response = 1618212349 Manual Peak Response = 1609645184 M4
M4 = Poor automated baseline construction.

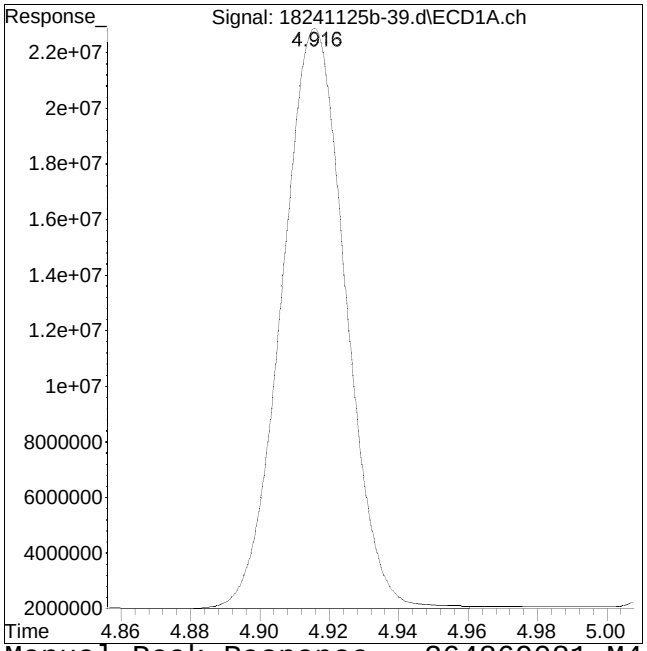
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #18: Endrin



Original Peak Response = 265040279



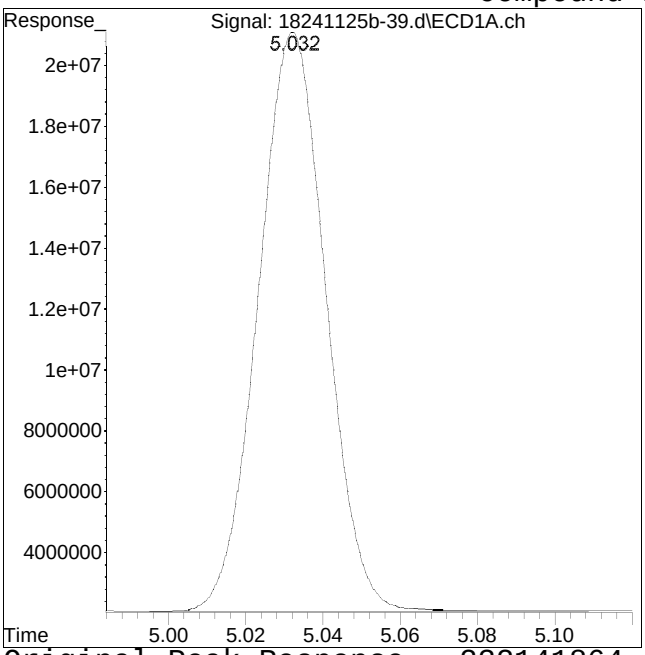
Manual Peak Response = 264869081 M4

M4 = Poor automated baseline construction.

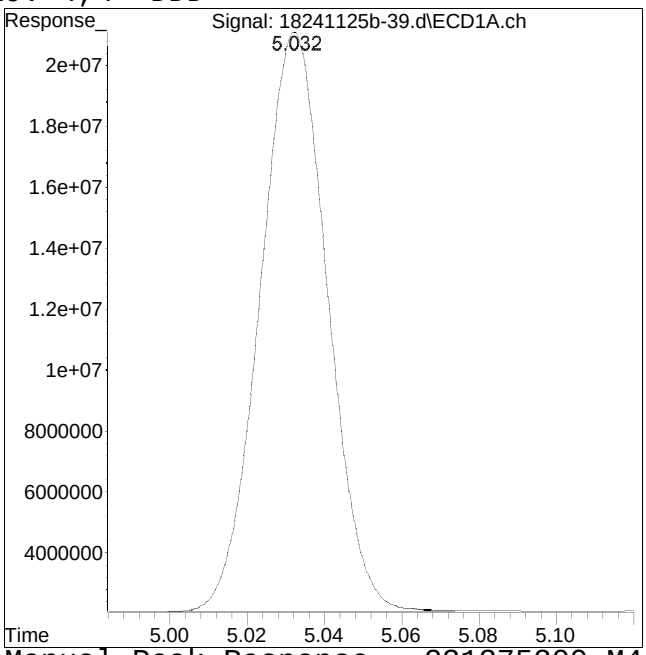
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #19: 4,4'-DDD



Original Peak Response = 232141864



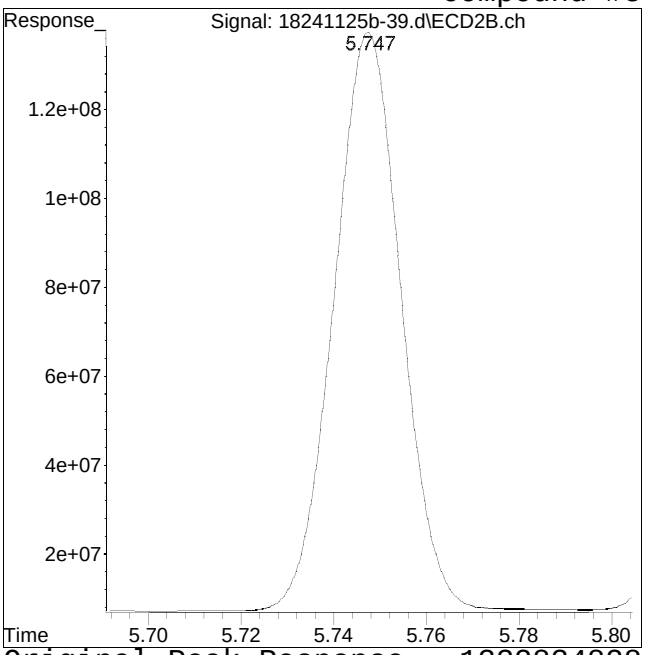
Manual Peak Response = 231375200 M4

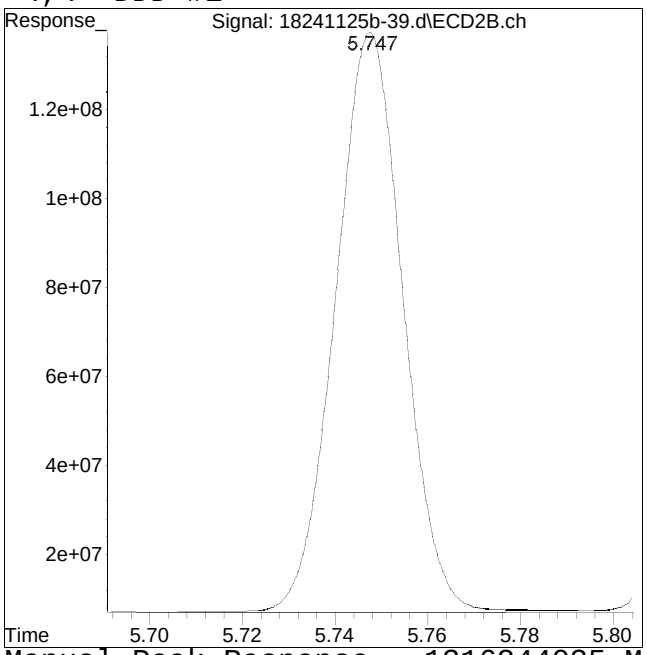
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #57: 4,4'-DDD #2



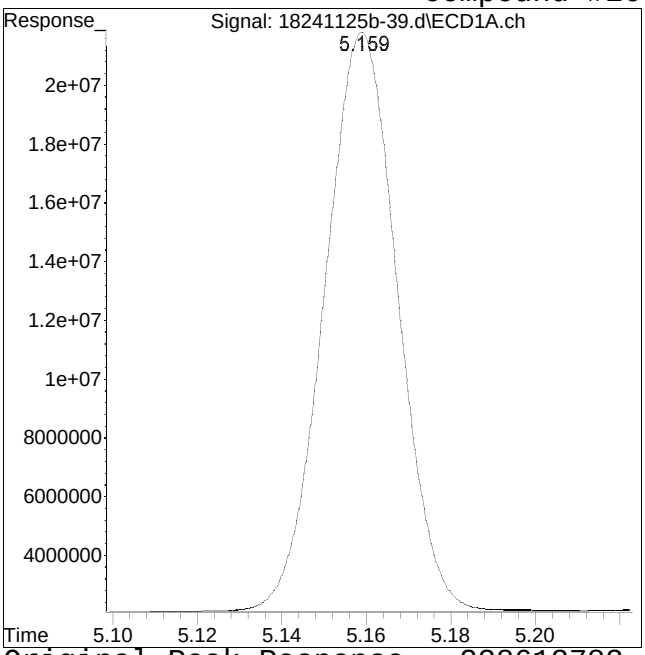


Original Peak Response = 1332834828 Manual Peak Response = 1316244035 M4
M4 = Poor automated baseline construction.

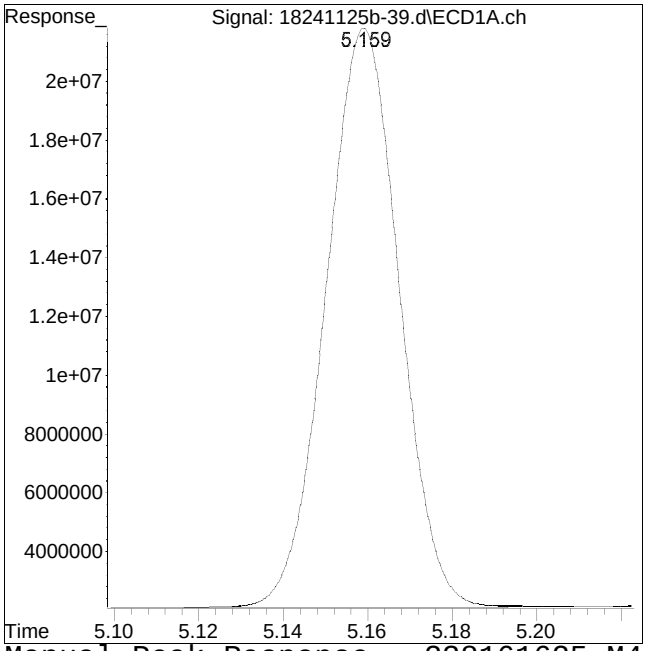
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #20: Endosulfan II



Original Peak Response = 238612783



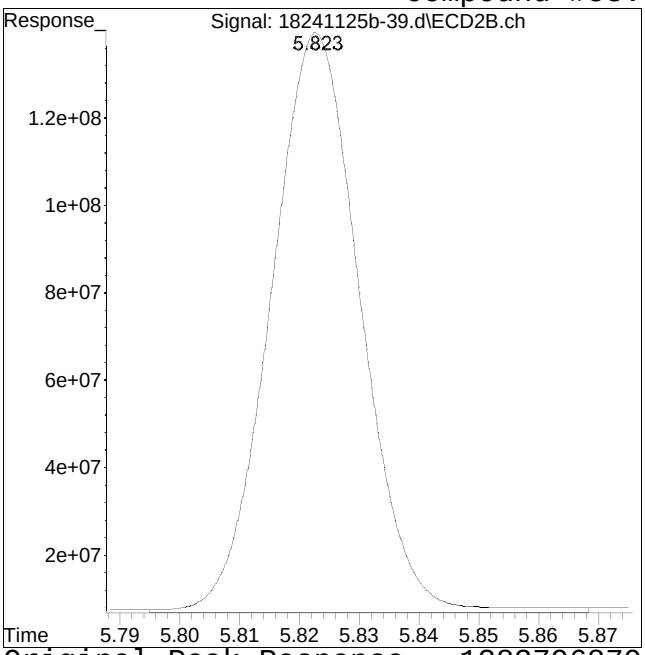
Manual Peak Response = 238161625 M4

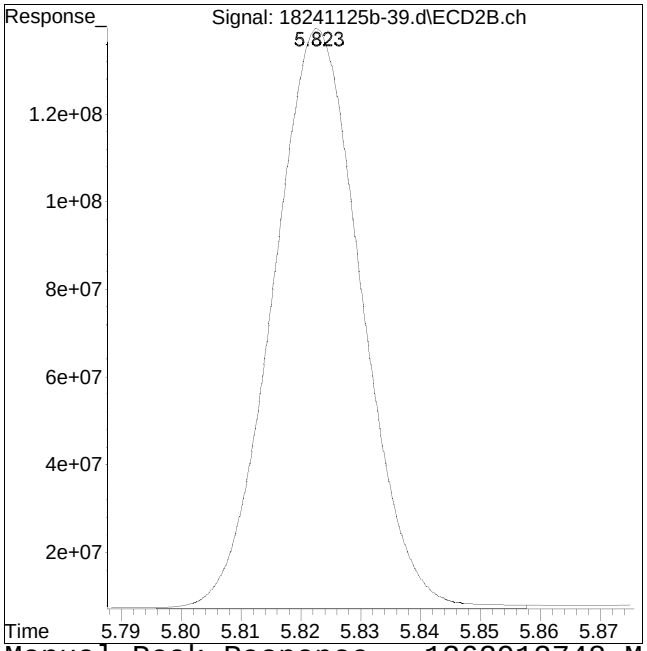
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #58: Endosulfan II #2



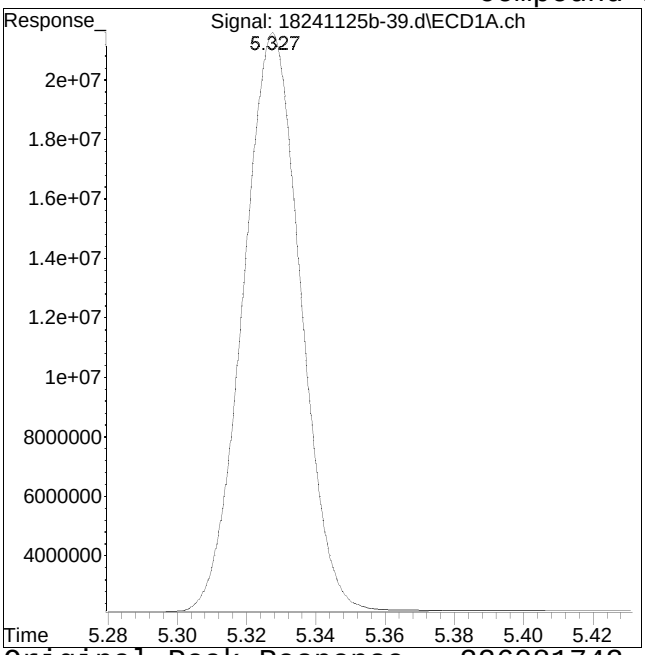


Original Peak Response = 1383796879 Manual Peak Response = 1362912748 M4
M4 = Poor automated baseline construction.

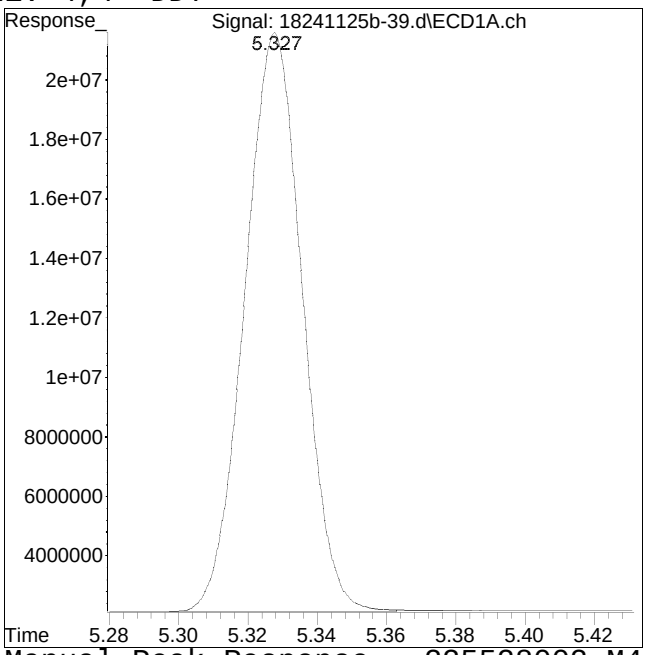
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #21: 4,4'-DDT



Original Peak Response = 226081742

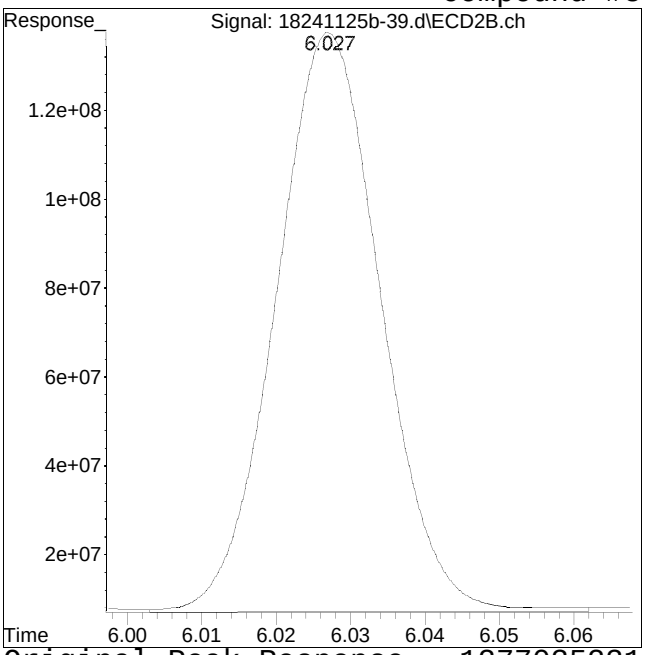


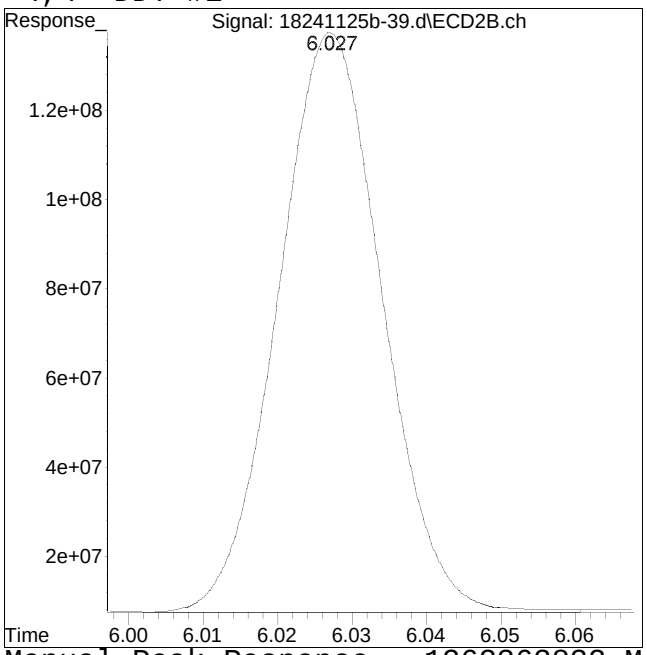
Manual Peak Response = 225528002 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #59: 4,4'-DDT #2



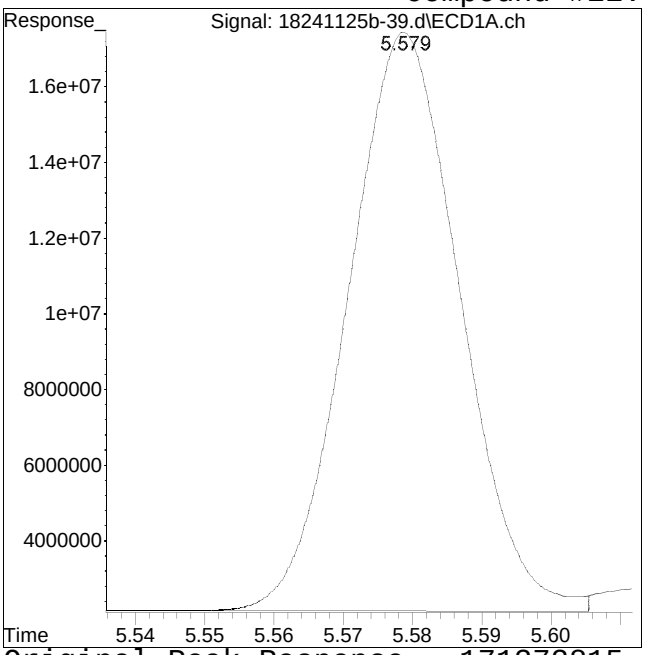


Original Peak Response = 1277035231 Manual Peak Response = 1262363832 M4
M4 = Poor automated baseline construction.

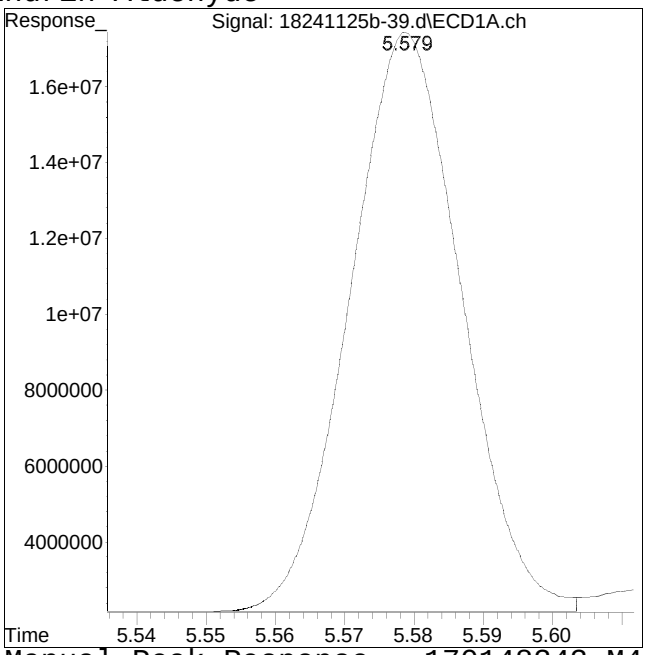
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #22: Endrin Aldehyde



Original Peak Response = 171372815



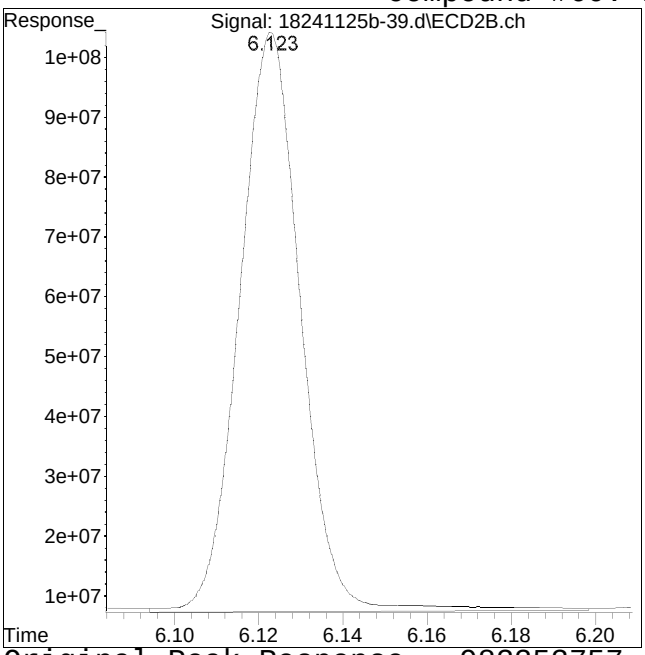
Manual Peak Response = 170148343 M4

M4 = Poor automated baseline construction.

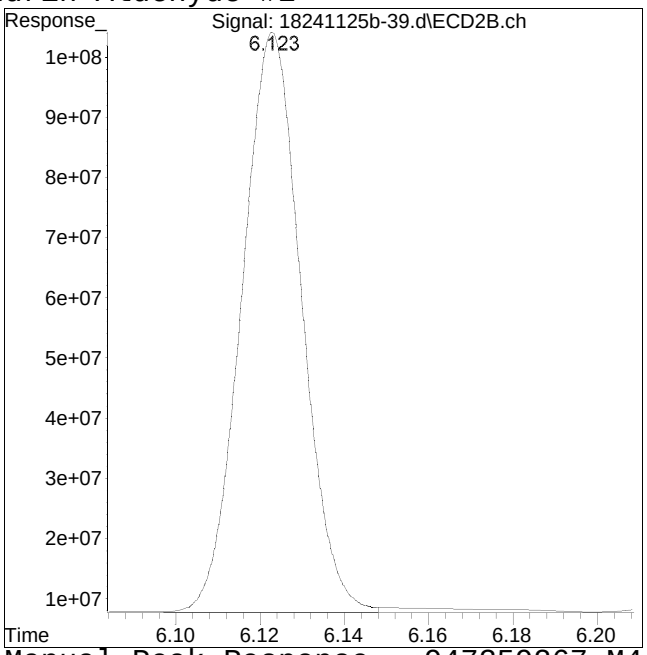
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 983353757



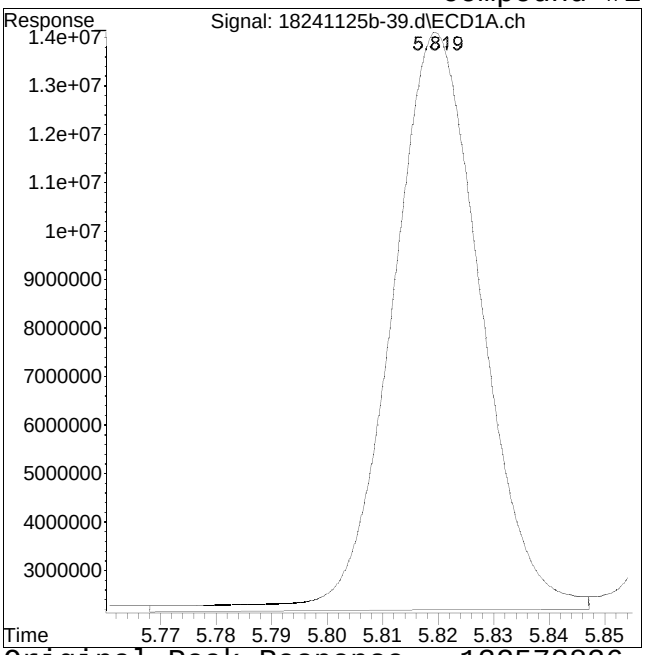
Manual Peak Response = 947359267 M4

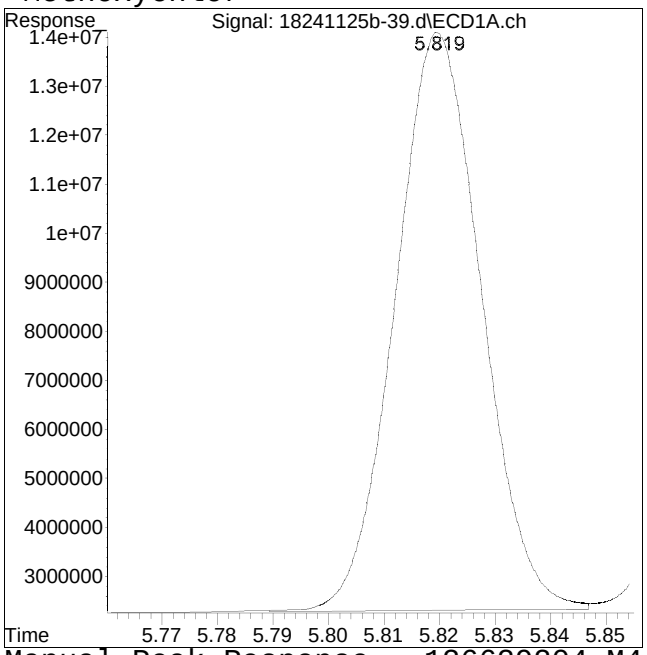
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #23: Methoxychlor



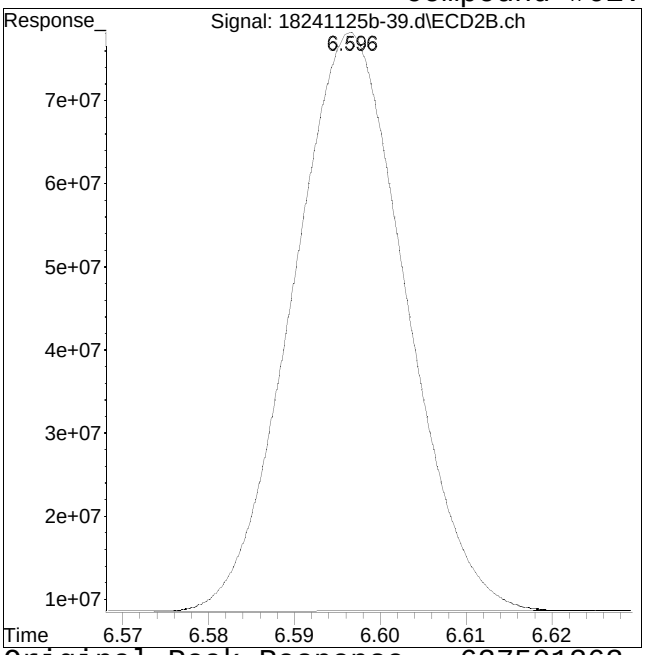


Original Peak Response = 132572836 Manual Peak Response = 126629204 M4
M4 = Poor automated baseline construction.

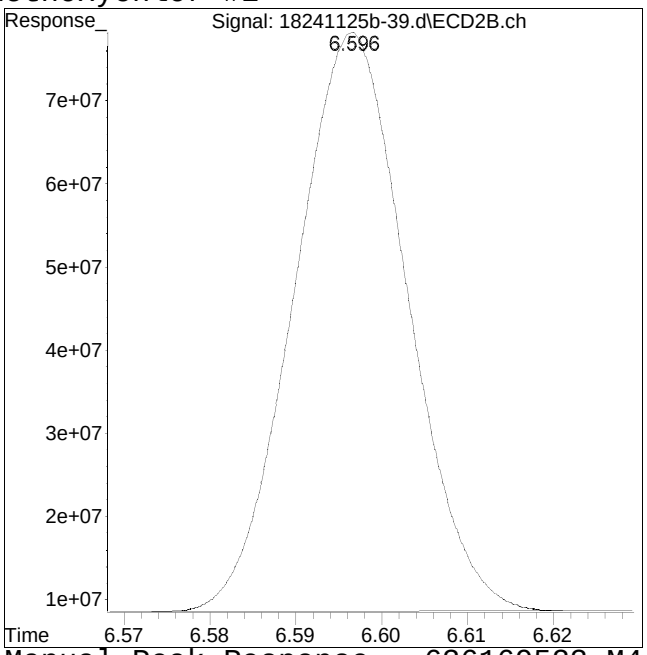
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #61: Methoxychlor #2



Original Peak Response = 637501363



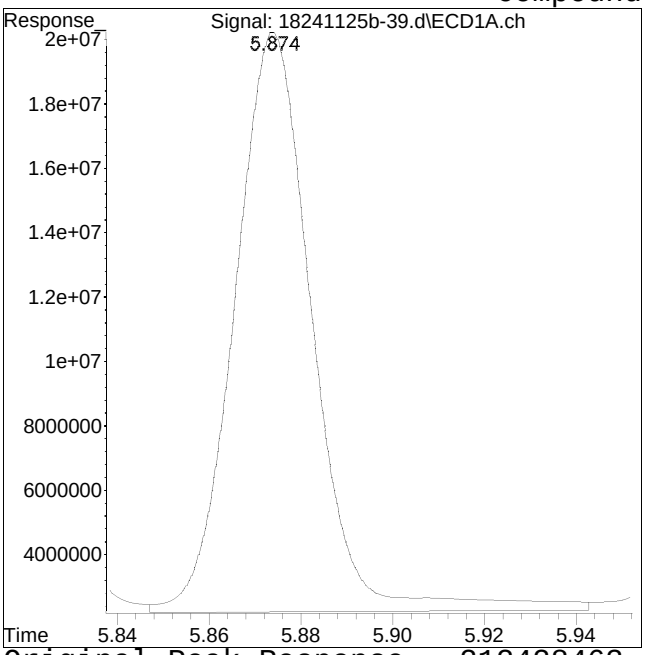
Manual Peak Response = 636169523 M4

M4 = Poor automated baseline construction.

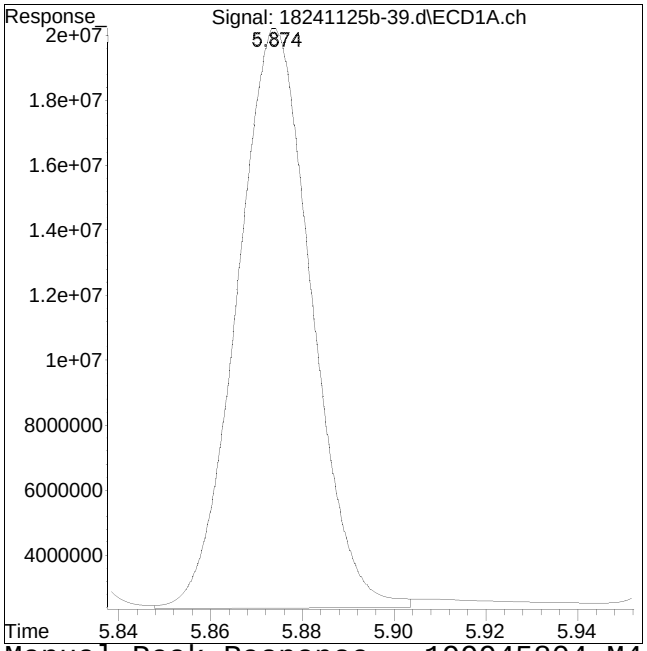
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #24: Mirex



Original Peak Response = 212428463



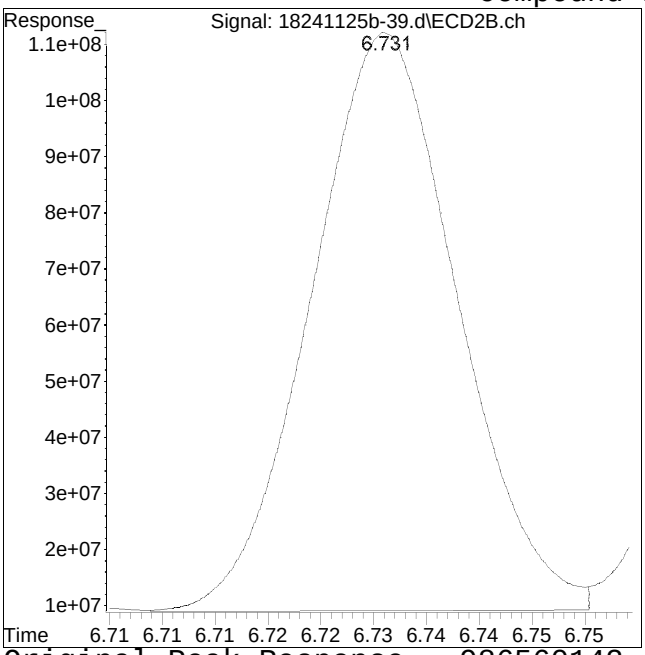
Manual Peak Response = 199945804 M4

M4 = Poor automated baseline construction.

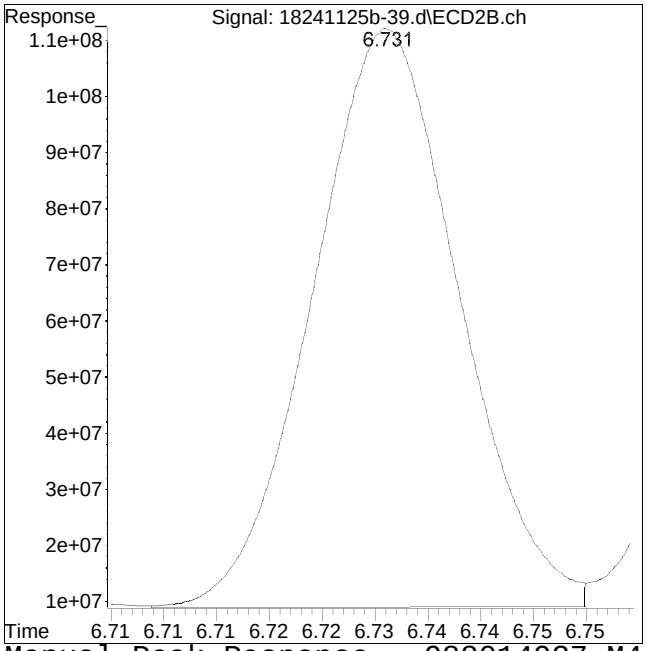
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #62: Mirex #2



Original Peak Response = 986560142



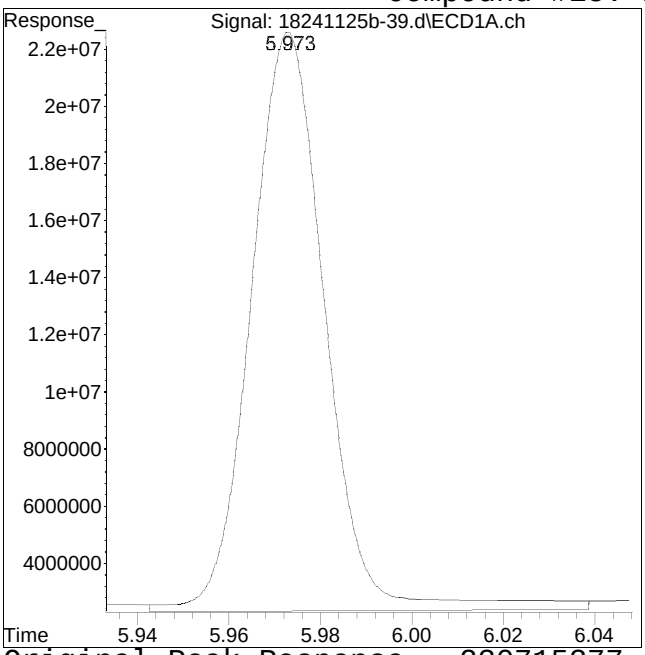
Manual Peak Response = 988014937 M4

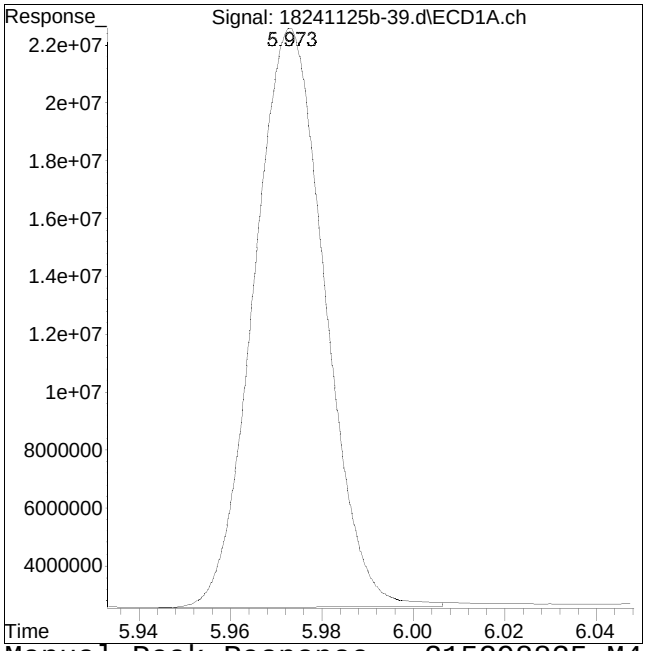
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #25: Endosulfan Sulfate



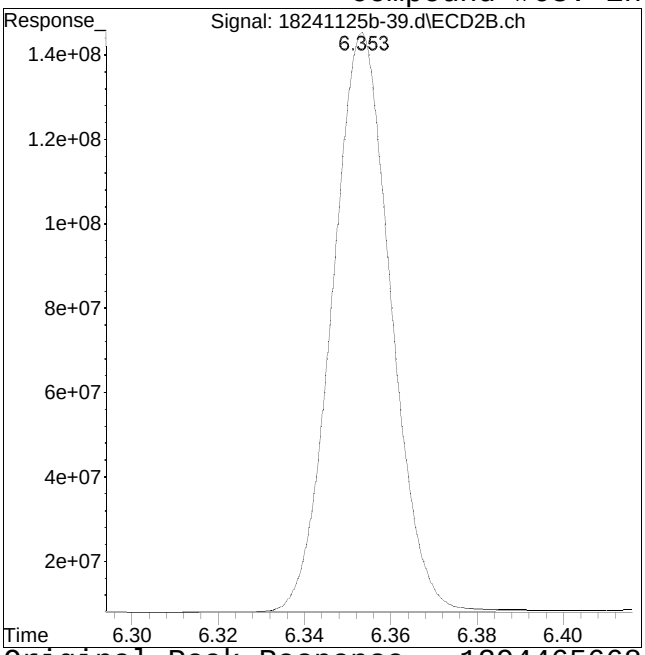


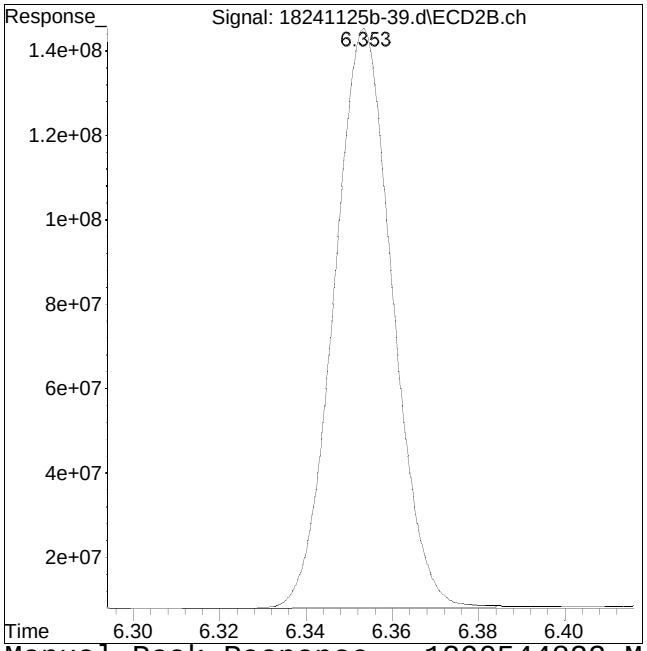
Original Peak Response = 230715377 Manual Peak Response = 215298835 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #63: Endosulfan Sulfate #2



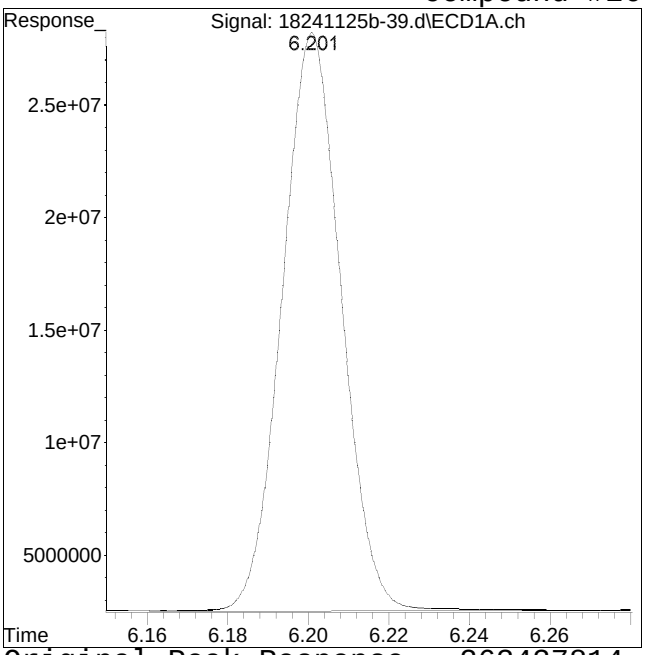


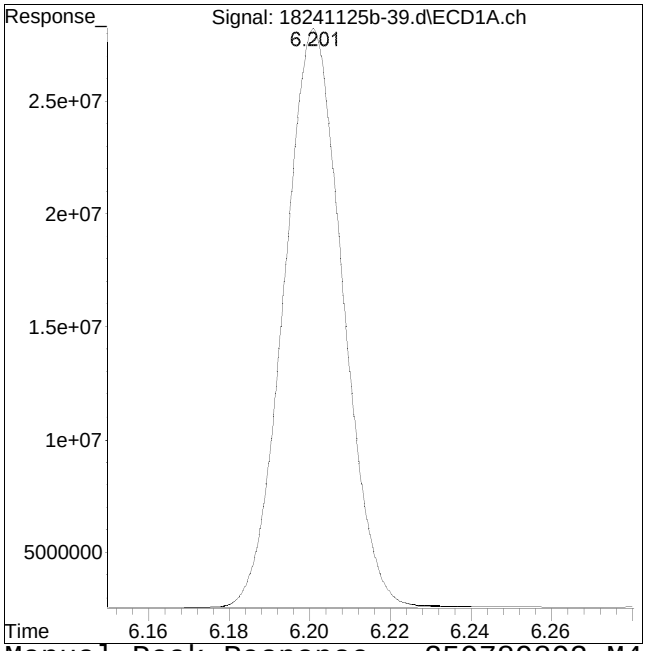
Original Peak Response = 1294465668 Manual Peak Response = 1290544823 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #26: Endrin Ketone



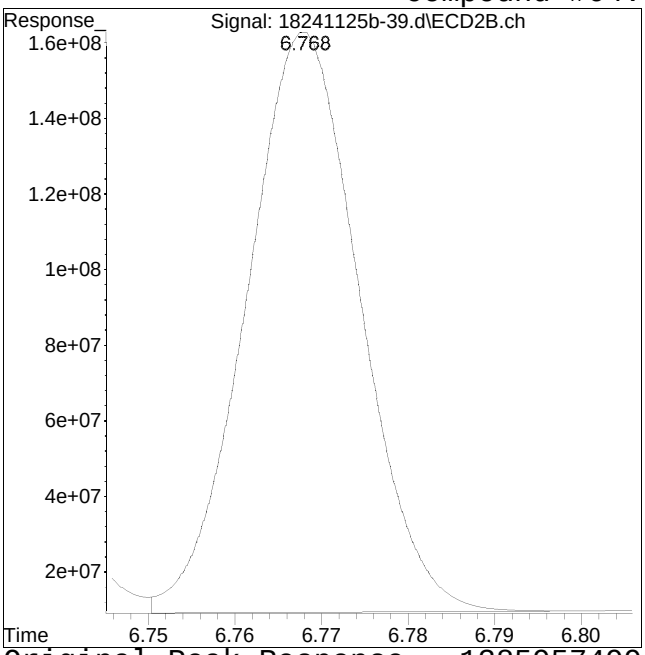


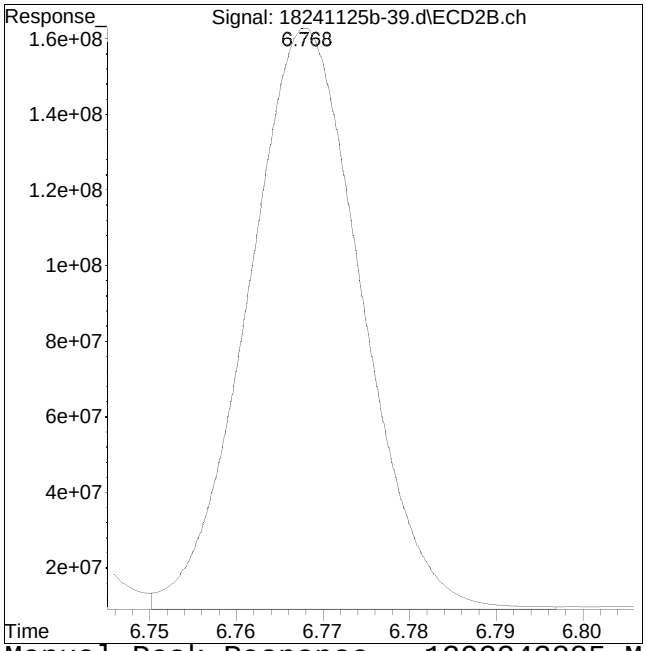
Original Peak Response = 263437814 Manual Peak Response = 259789893 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #64: Endrin Ketone #2



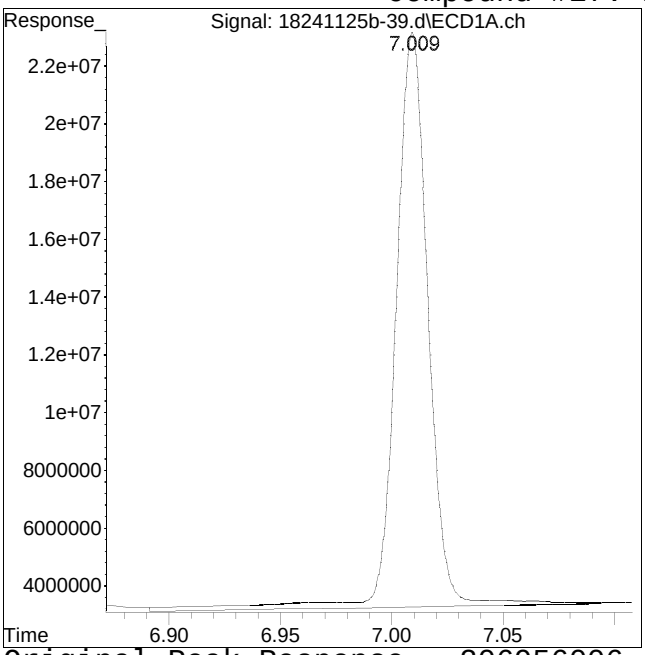


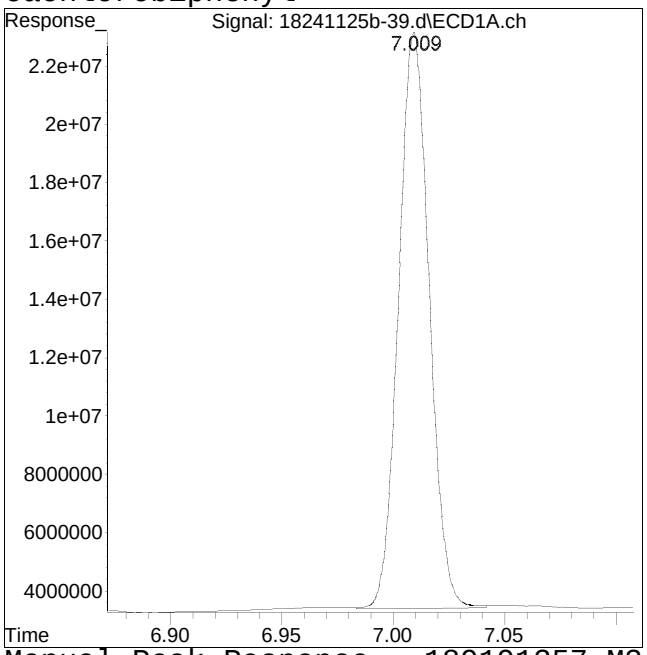
Original Peak Response = 1385957499 Manual Peak Response = 1393343885 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #27: Decachlorobiphenyl



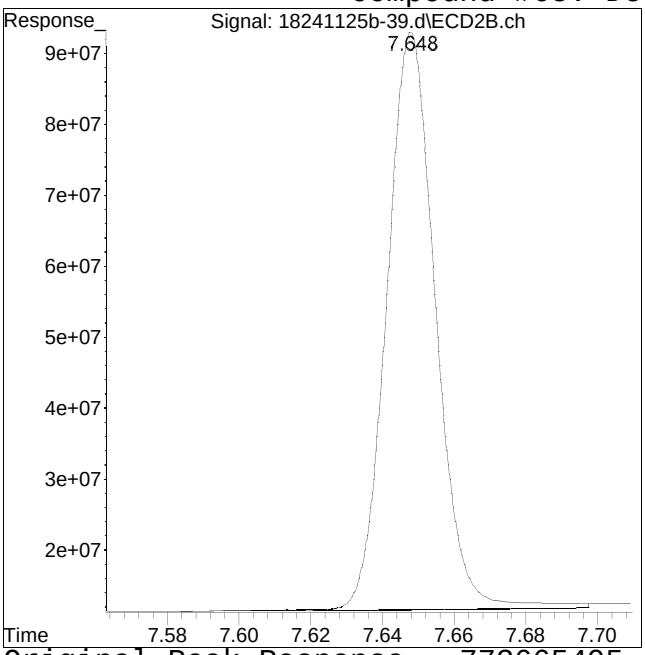


Original Peak Response = 206956006 Manual Peak Response = 189191357 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

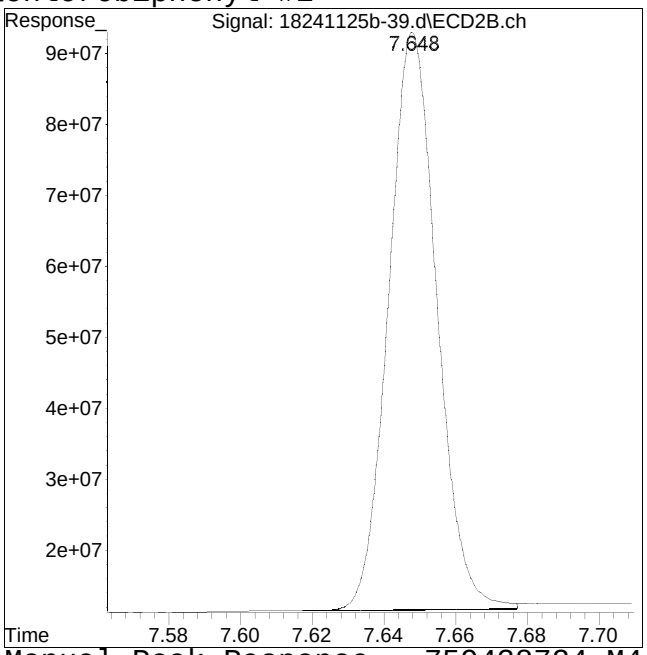
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-39.d Operator : PEST18:peg
Date Inj'd : 11/26/2024 2:45 Instrument : Pest 18
Sample : WG2002247-4,42,,pest11868 Quant Date : 11/26/2024 5:13 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 773665495



Manual Peak Response = 759438724 M4

M4 = Poor automated baseline construction.

Degradation Check Standard

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Instrument ID	: PEST18	**Analysis Date**	: 11/25/24 18:54
PEM Standard	: R1904906-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	249187.77231	1147582.54051
Endrin	223342172.77611	1297868202.7845
4,4'-DDD	769311.3408	5052423.66536
4,4'-DDT	384981469.71042	2458469916.1257
Endrin Aldehyde	385808.98704	3168798.75532
Endrin Ketone	1187361.11746	7869976.75

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.699	0.843
DDT	0.264	0.252

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 18:54
Operator : PEST18:ejl
Sample : pem18241125b-01,42,,deg11667 (Sig #1); deg11667 (Sig #2)
Misc : wg2002247,,ical21663
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:23:29 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.752	1.850	90305575	663.7E6	25.000M4	25.000M3
	System Monitoring Compounds						
	Target Compounds						
15)	4,4'-DDE	4.356	5.169	249188	1147583	0.049M2	0.036M2
18)	Endrin	4.913	5.621	223.3E6	1297.9E6	45.141M3	41.089
19)	4,4'-DDD	5.031	5.750	769311	5052424	0.191M2	0.192M4
21)	4,4'-DDT	5.325	6.027	385.0E6	2458.5E6	89.261M4	84.146
22)	Endrin Aldeh	5.577	6.121	385809	3168799	N.D. M2	N.D. M4
26)	Endrin Keton	6.200	6.768	1187361	7869977	0.244M2	0.267
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 18:54
Operator : PEST18:ejl
Sample : pem18241125b-01,42,,deg11667 (Sig #1); deg11667 (Sig #2)
Misc : wg2002247,,ical21663
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:23:29 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

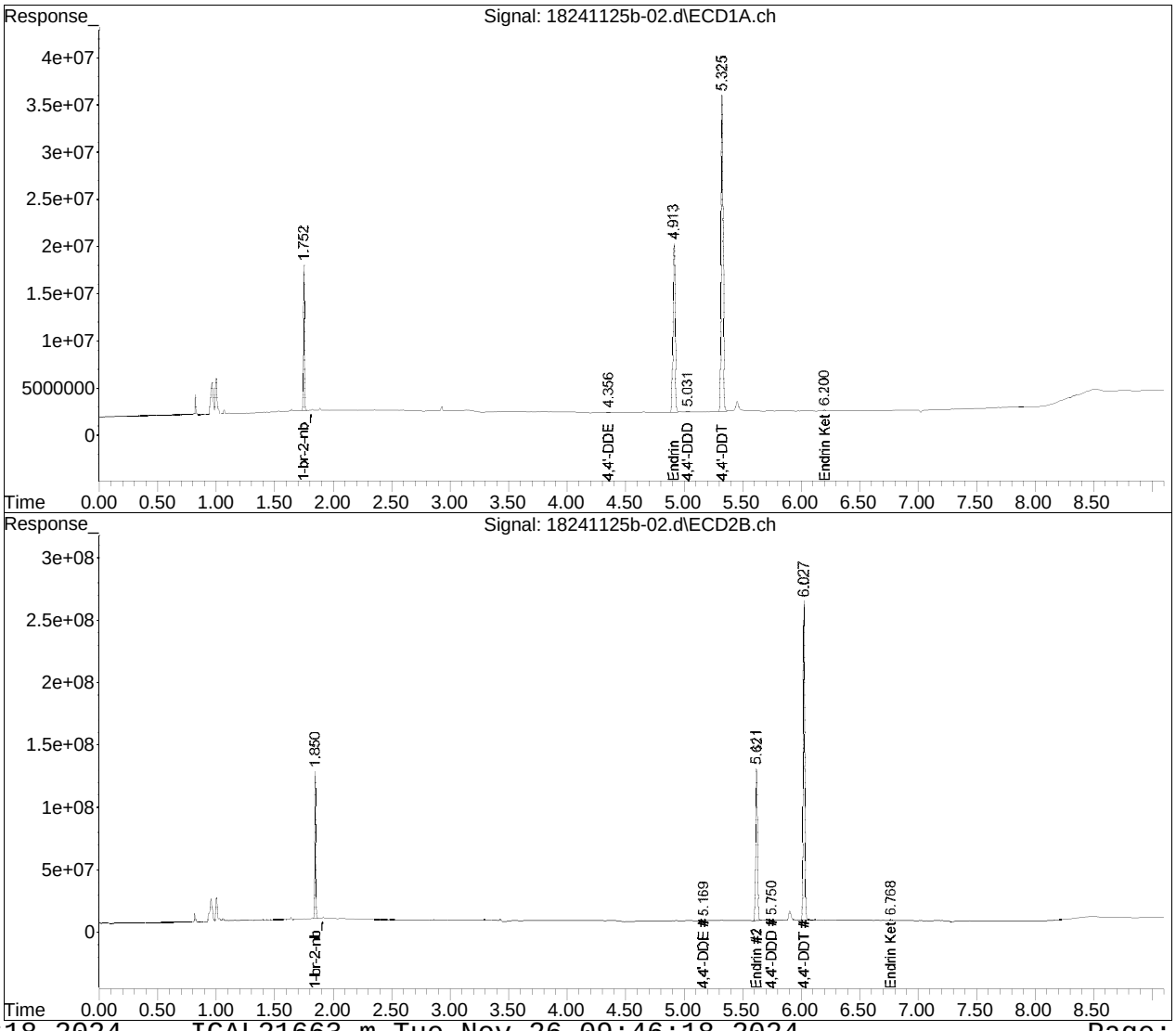
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2024 18:54
Operator : PEST18:ejl
Sample : pem18241125b-01,42,,deg11667 (Sig #1); deg11667 (Sig #2)
Misc : wg2002247,,ical21663
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 19:23:29 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

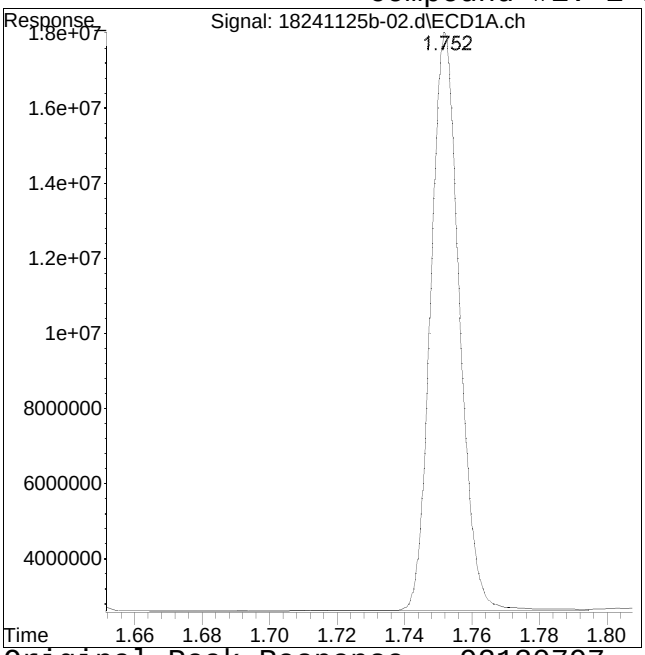
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

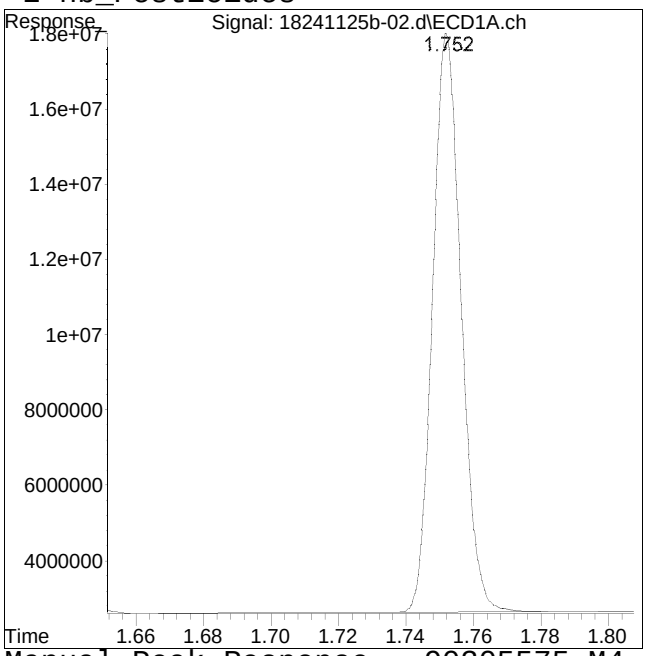


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #1: 1-br-2-nb_Pesticides



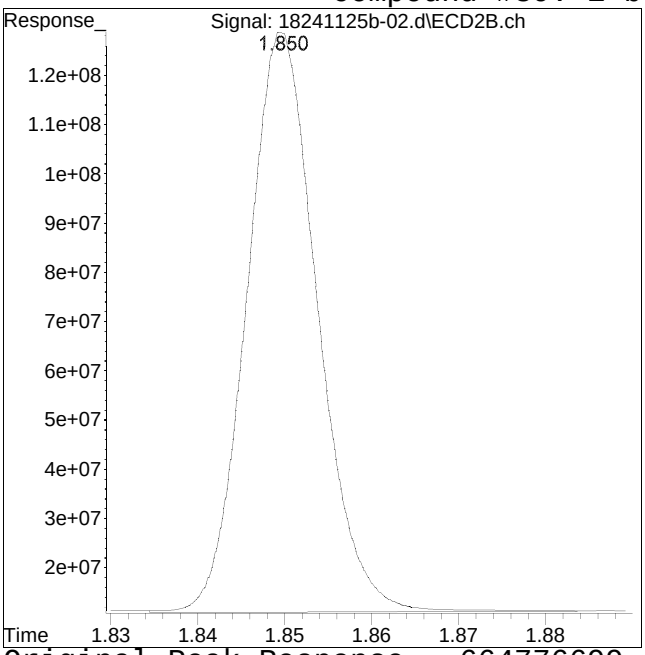


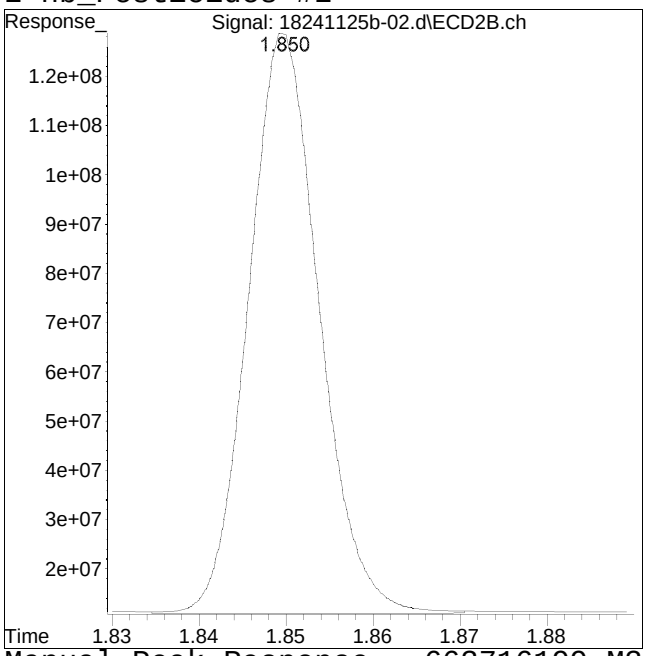
Original Peak Response = 92130797 Manual Peak Response = 90305575 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #39: 1-br-2-nb_Pesticides #2



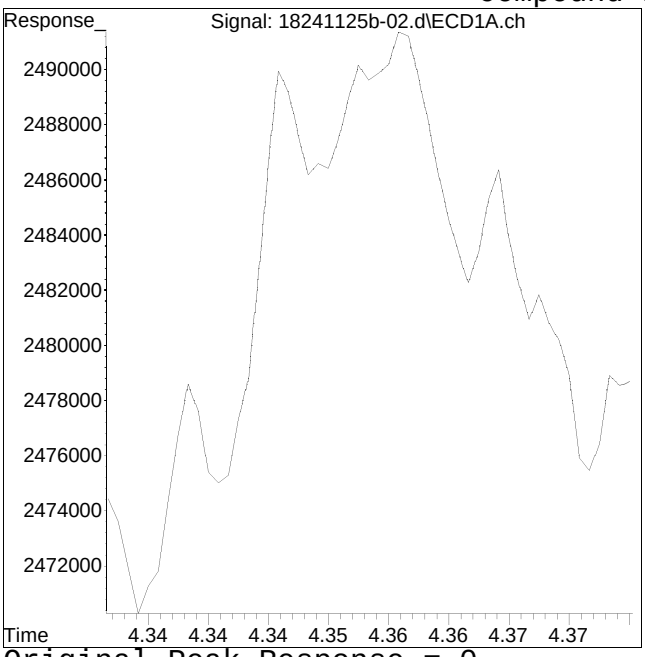


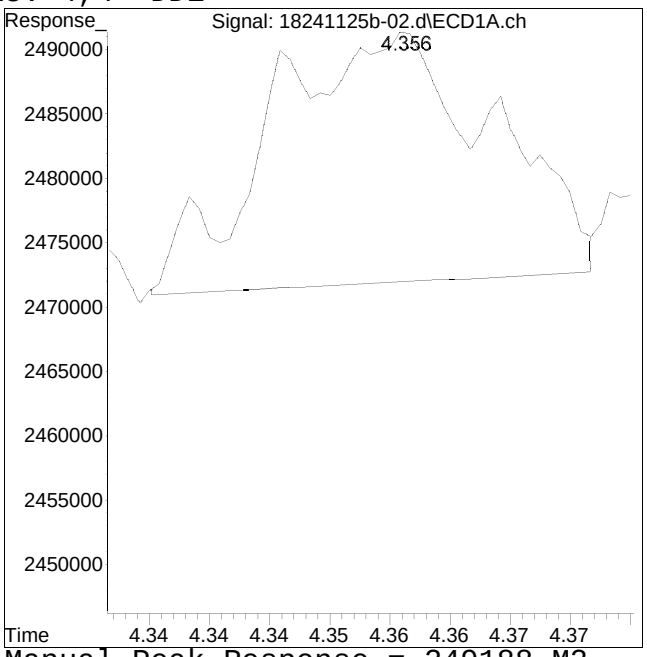
Original Peak Response = 664776699 Manual Peak Response = 663716199 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #15: 4,4'-DDE



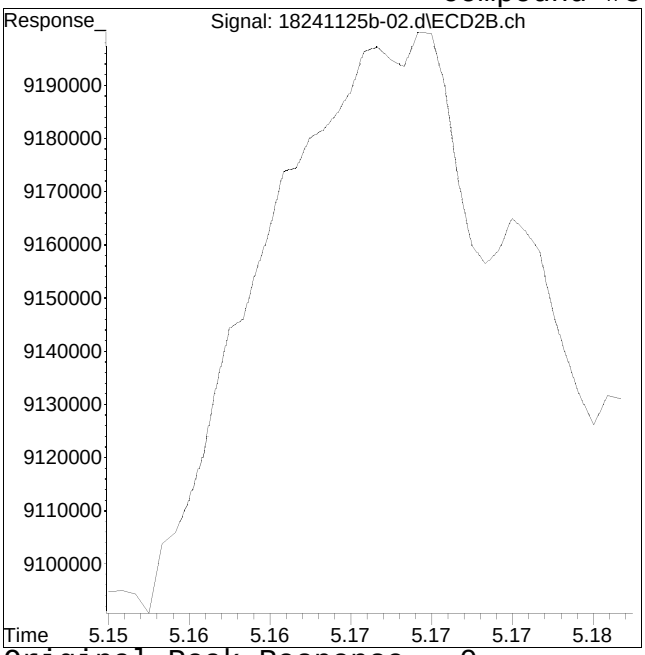


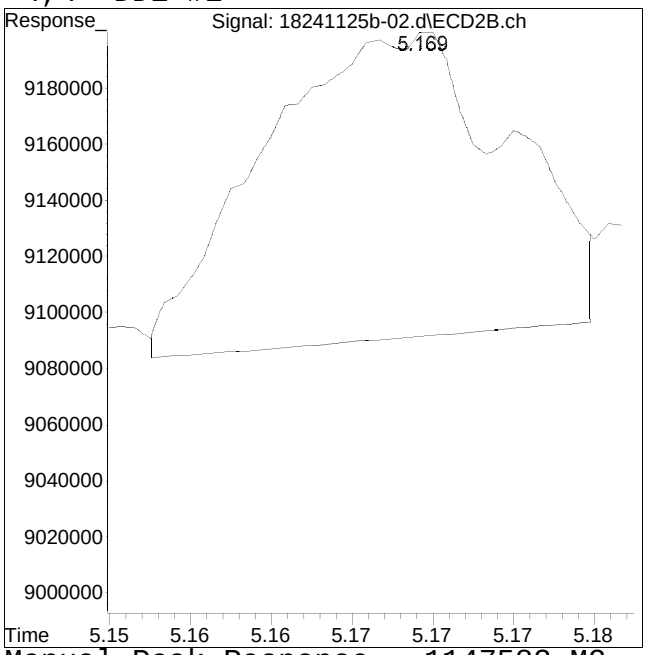
Original Peak Response = 0 Manual Peak Response = 249188 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #53: 4,4'-DDE #2



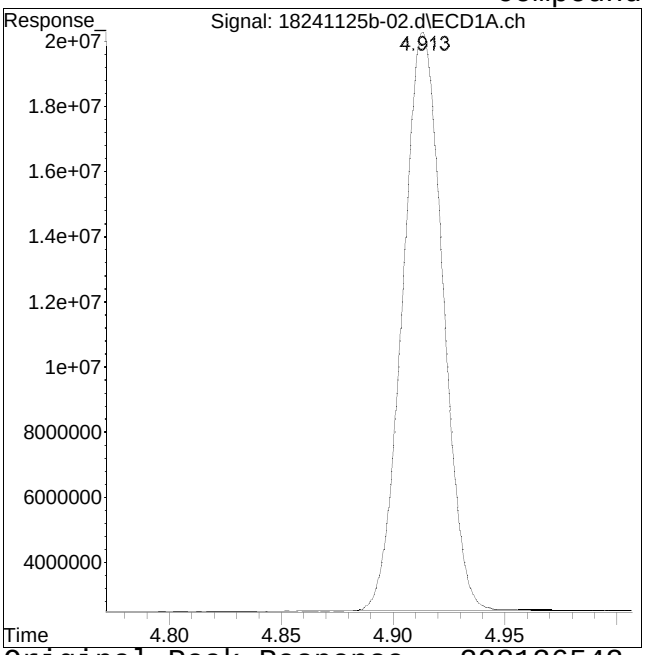


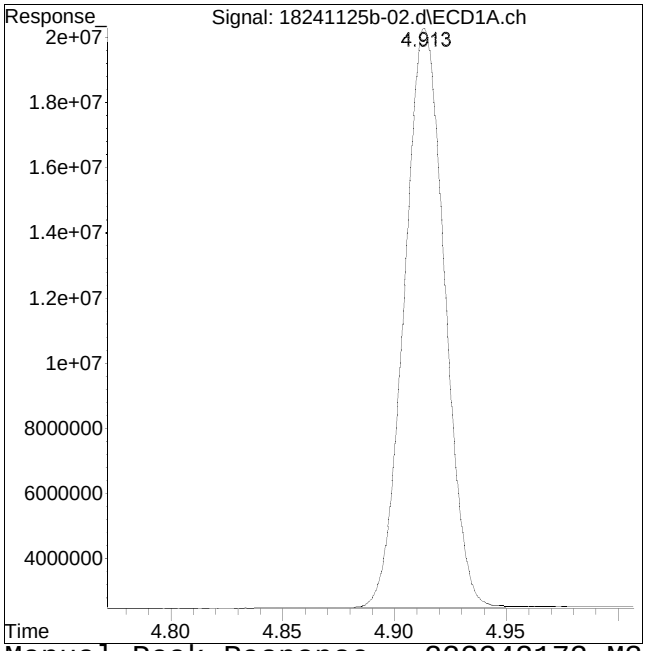
Original Peak Response = 0 Manual Peak Response = 1147583 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #18: Endrin



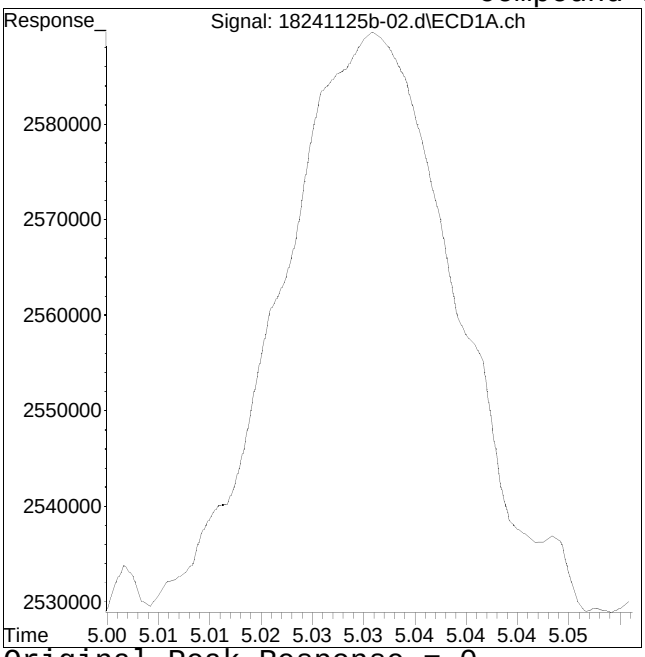


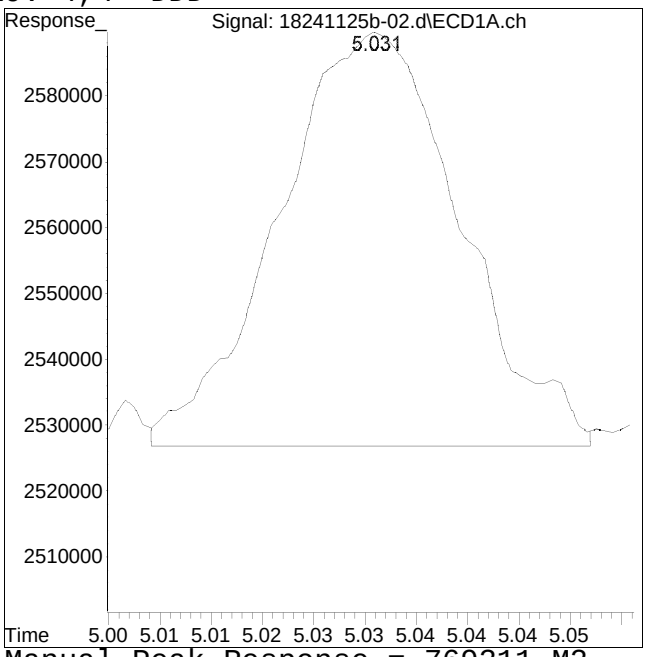
Original Peak Response = 223136542 Manual Peak Response = 223342173 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #19: 4,4'-DDD



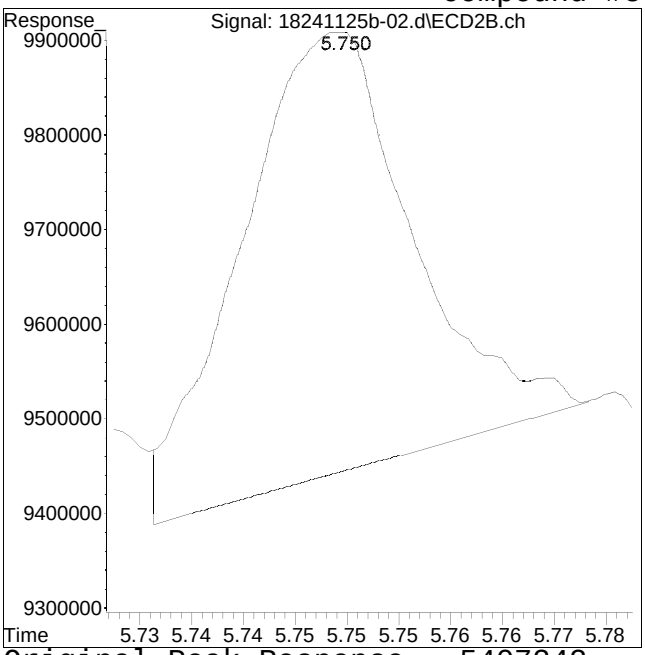


Original Peak Response = 0 Manual Peak Response = 769311 M2
M2 = Peak not found by automatic integration algorithm.

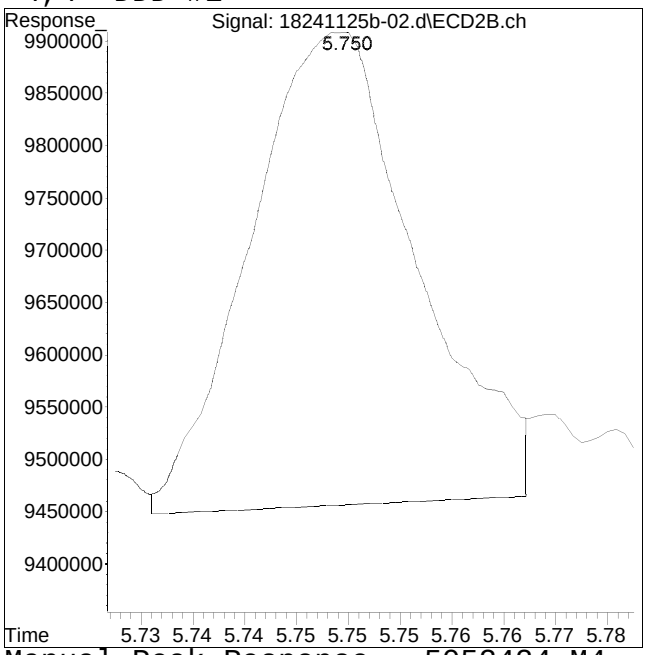
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 5407242



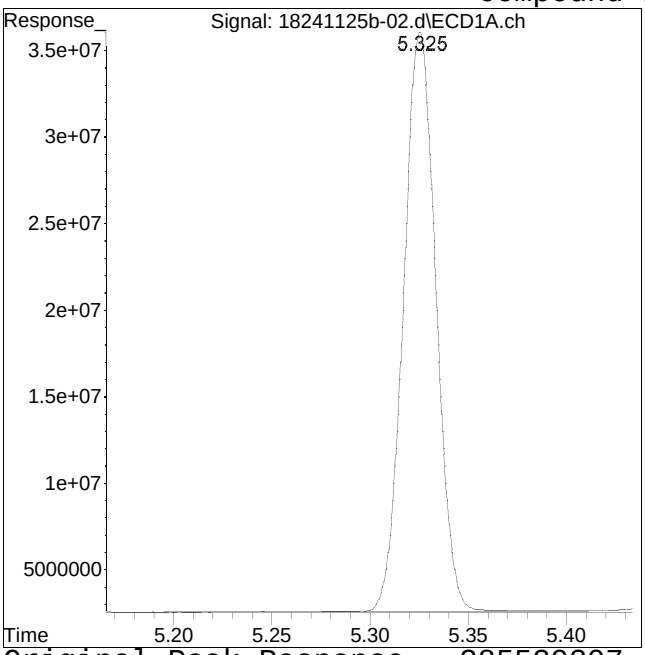
Manual Peak Response = 5052424 M4

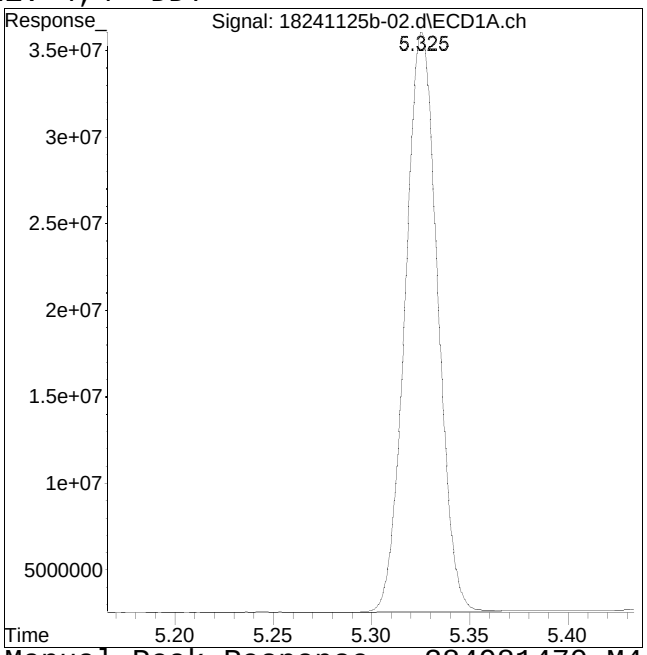
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #21: 4,4'-DDT



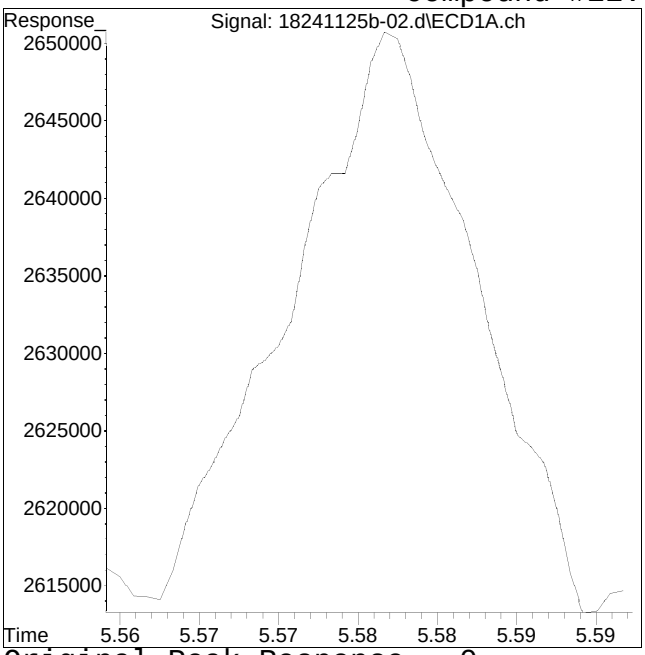


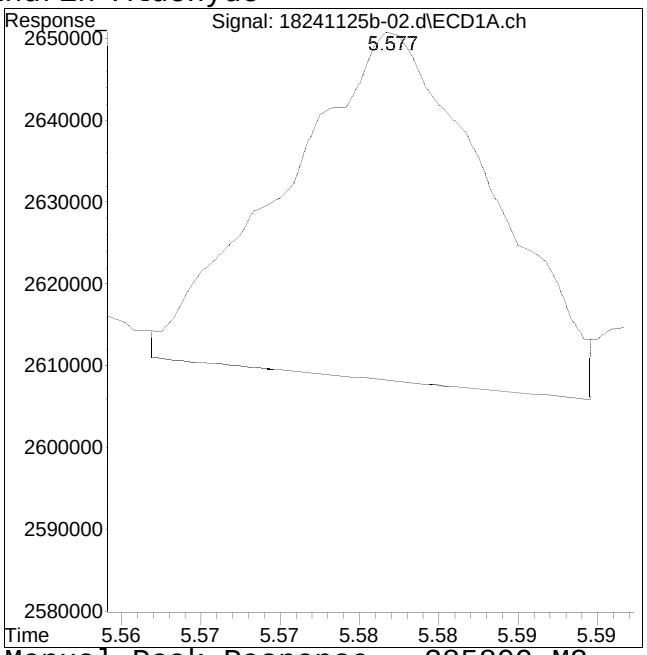
Original Peak Response = 385529307 Manual Peak Response = 384981470 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #22: Endrin Aldehyde



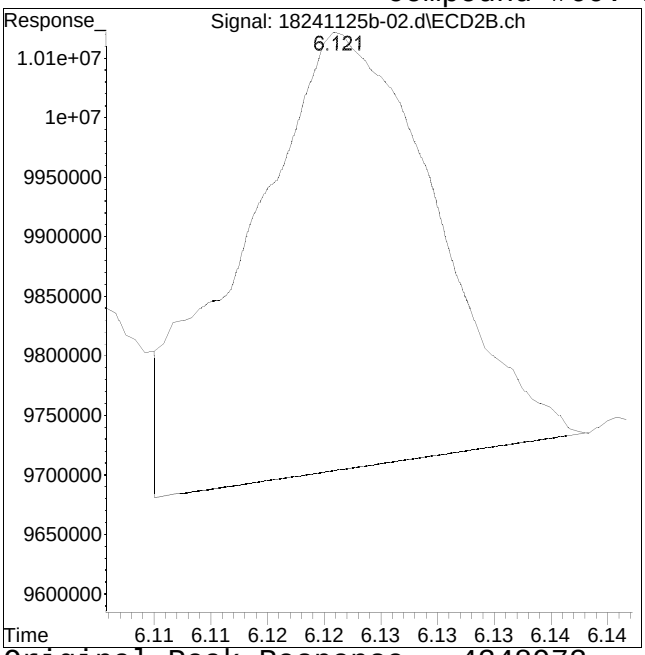


Original Peak Response = 0 Manual Peak Response = 385809 M2
M2 = Peak not found by automatic integration algorithm.

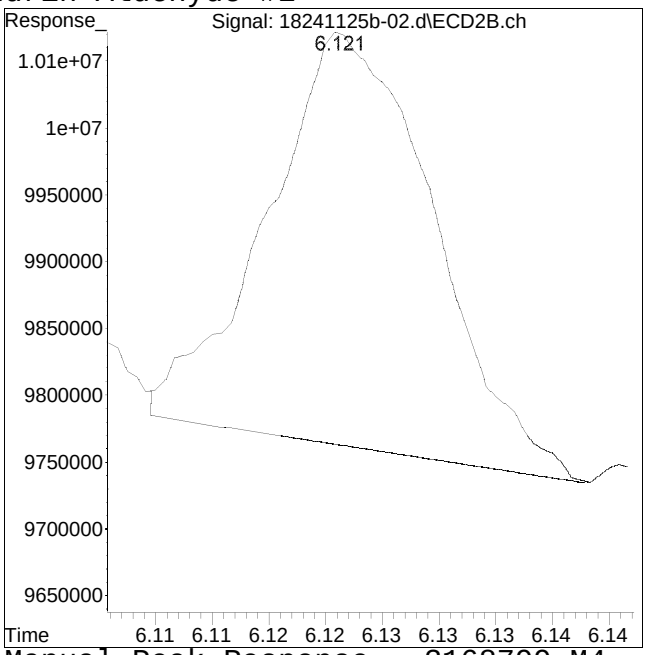
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 4348973



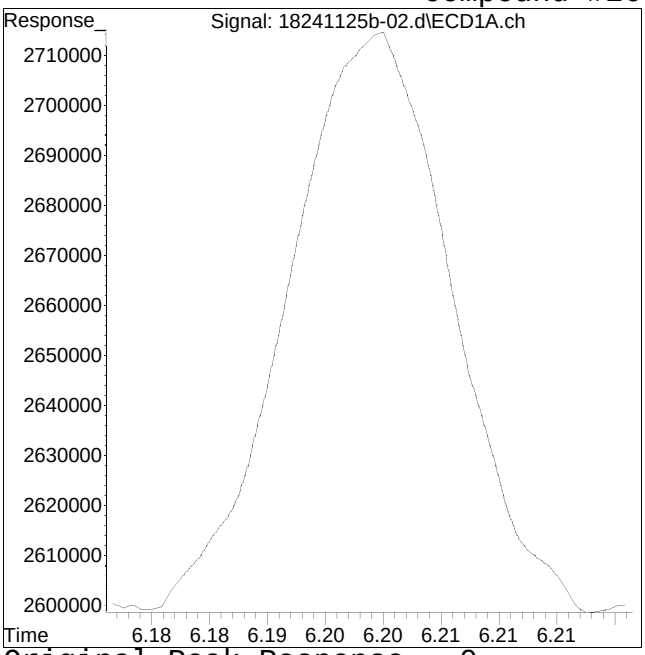
Manual Peak Response = 3168799 M4

M4 = Poor automated baseline construction.

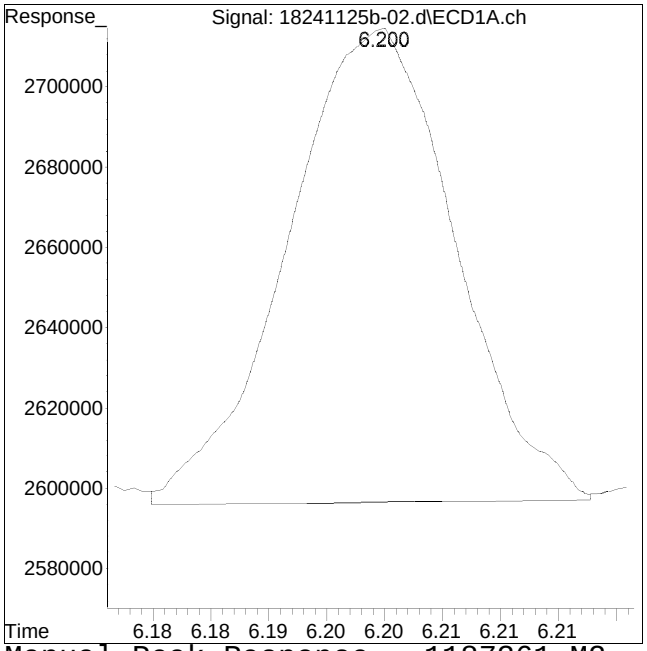
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-02.d Operator : PEST18:ejl
Date Inj'd : 11/25/2024 18:54 Instrument : Pest 18
Sample : pem18241125b-01,42,,deg116Quant Date : 11/25/2024 7:23 pm

Compound #26: Endrin Ketone



Original Peak Response = 0



Manual Peak Response = 1187361 M2

M2 = Peak not found by automatic integration algorithm.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2467934
Project Name	: HUNTINGTON READY MIXED	**Project Number**	: 20116
Lab Sample ID	: L2467934-01		
Client ID	: MW-1S		
Date Analyzed (1)	: 11/26/24 03:34	**Date Analyzed (2)**	: 11/26/24 03:34
Instrument ID (1)	: PEST18	**Instrument ID (2)**	: PEST18
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticidesII

Analyte	Col	RT	RT Window From	RT Window To	Concentration	RPD
delta-BHC	1	2.98	2.93	3.03	0.0092J	
	2	3.54	3.49	3.59	0.00763J	NC
Endrin Ketone	1	6.20	6.15	6.25	0.00523J	
	2	6.77	6.72	6.82	0.00418J	NC
Endosulfan Sulfate	1	5.97	5.92	6.02	0.00621J	
	2	6.35	6.30	6.40	0.00513J	NC

Pesticides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-40.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 2:58
Operator : PEST18:akm
Sample : WG2001430-1,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:03 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.751	1.849	111.0E6	773.5E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 98702682				Recovery = 112.45%		
	Standard Area 1 : #2 = 692996124				Recovery = 111.61%		
28) i	1-br-2-nb_Ch	1.751	1.849	111.0E6	773.5E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.751	1.849	111.0E6	773.5E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.193	2.421	192.3E6	1220.9E6	33.806M3	36.952
	Spiked Amount 50.000	Range 30 - 150			Recovery = 67.61%		73.90%
27) s	Decachlorobi	7.008	7.646	157.6E6	599.5E6	28.135M4	24.658M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 56.27%		49.32%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-40.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 2:58
Operator : PEST18:akm
Sample : WG2001430-1,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:03 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D.	N.D.
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

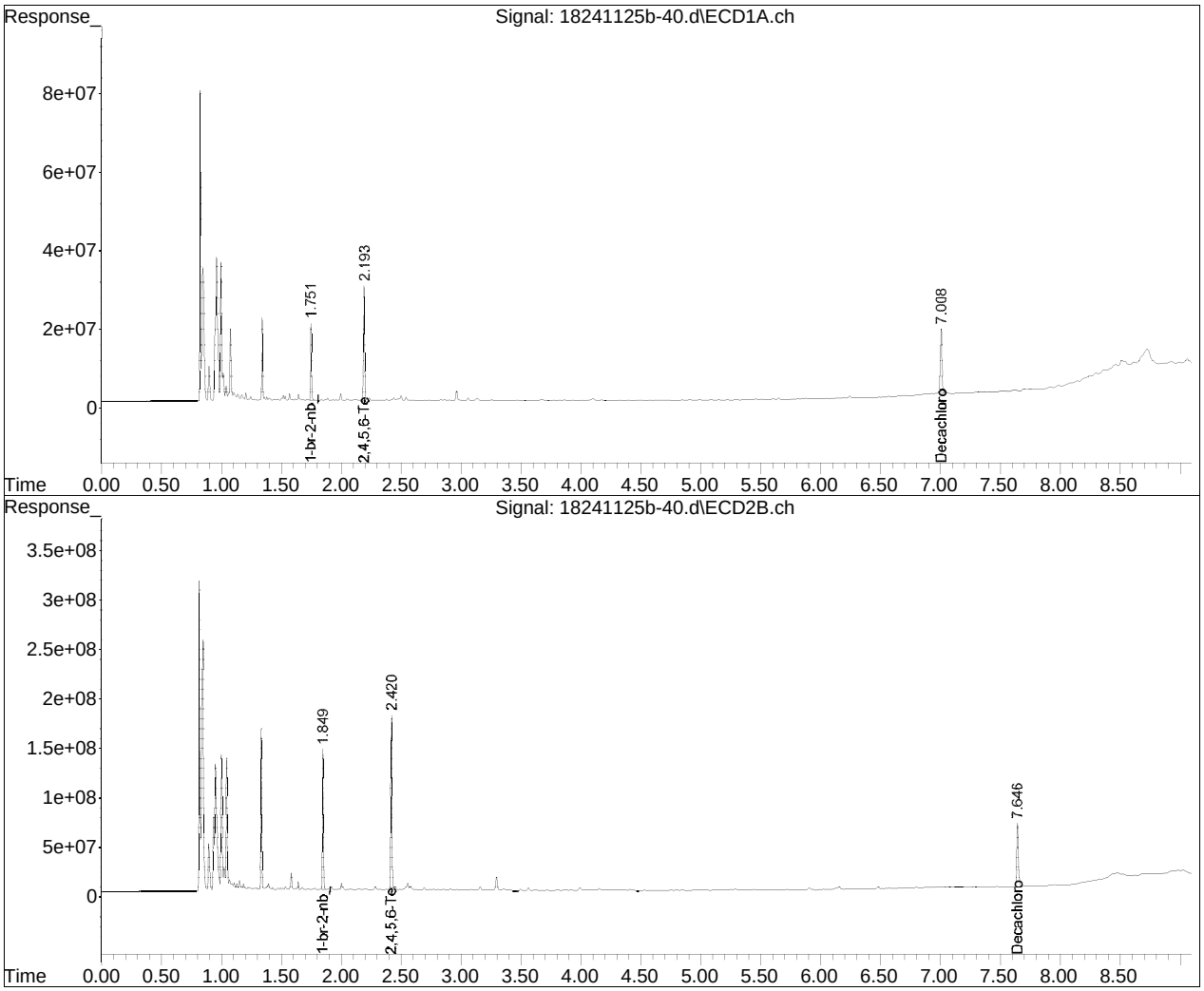
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedb\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-40.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 2:58
Operator : PEST18:akm
Sample : WG2001430-1,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:03 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

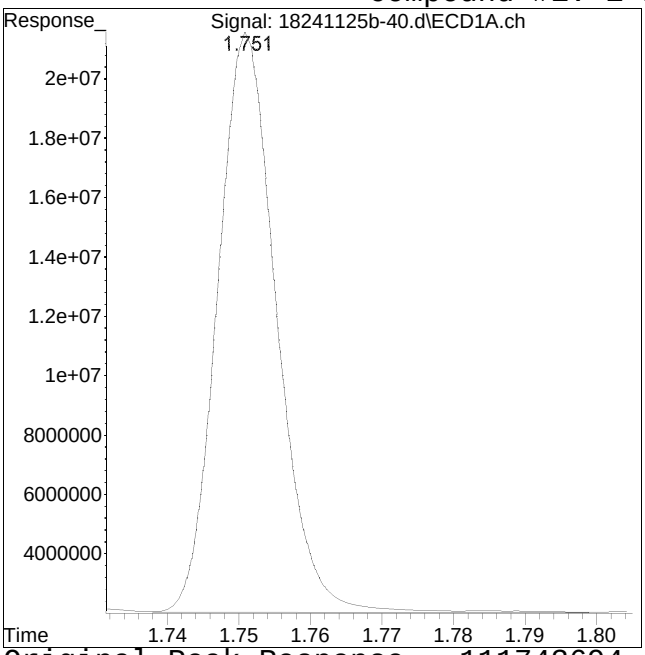


Manual Integration Report

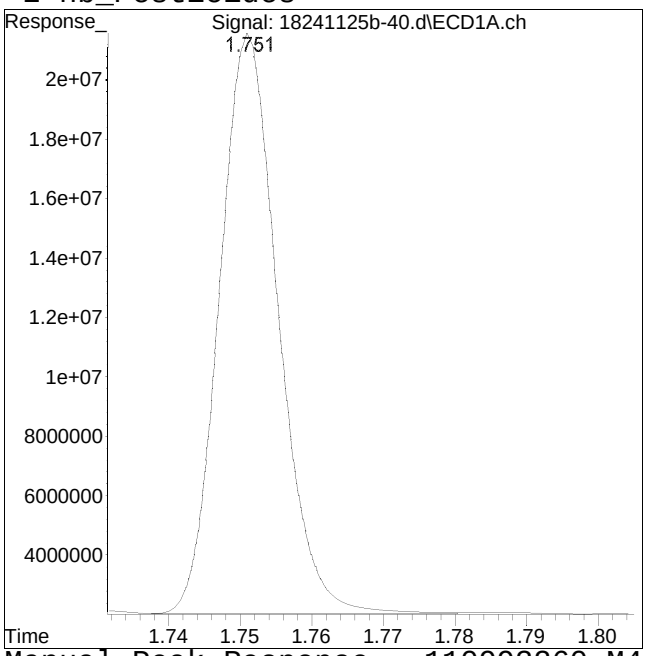
Data Path : I:\PEST\Pest18\2024\241125Q
Data File : 18241125b-40.d
Date Inj'd : 11/26/2024 2:58
Sample : WG2001430-1,42,,

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:akm
Instrument : Pest 18
Quant Date : 11/26/2024 7:38 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 111743694



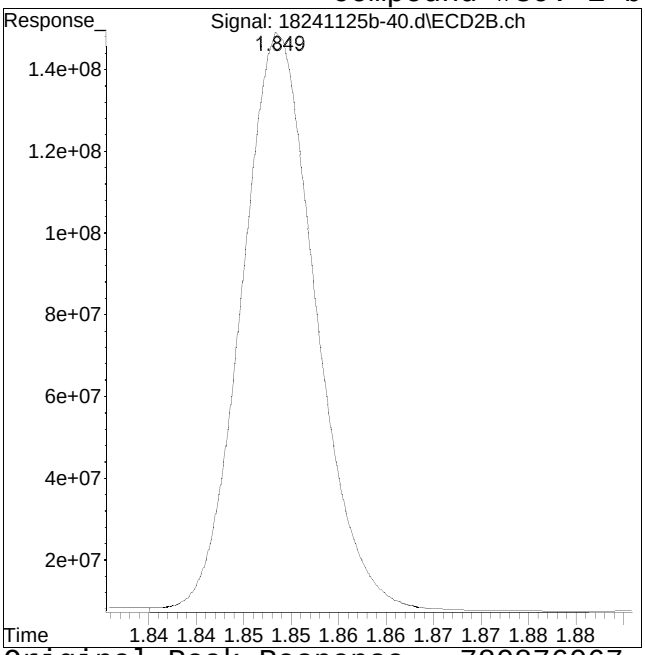
Manual Peak Response = 110993260 M4

M4 = Poor automated baseline construction.

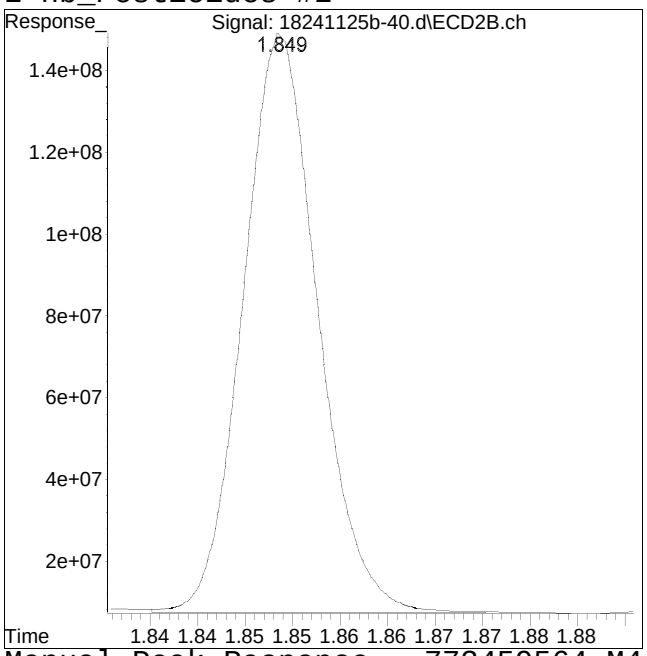
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-40.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 2:58 Instrument : Pest 18
Sample : WG2001430-1,42,, Quant Date : 11/26/2024 7:38 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 780876067



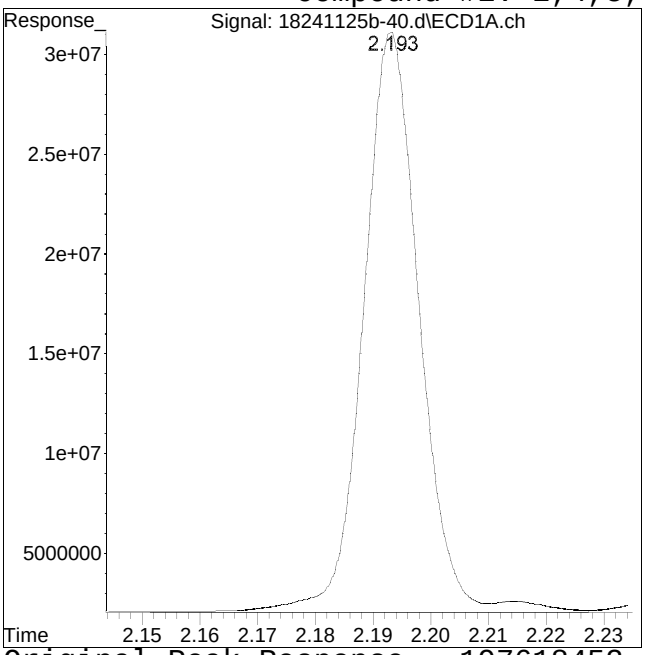
Manual Peak Response = 773459564 M4

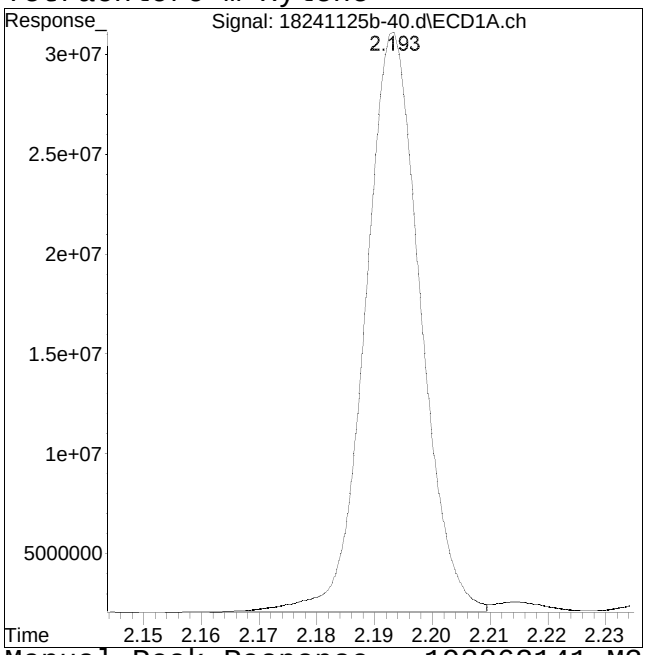
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-40.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 2:58 Instrument : Pest 18
Sample : WG2001430-1,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



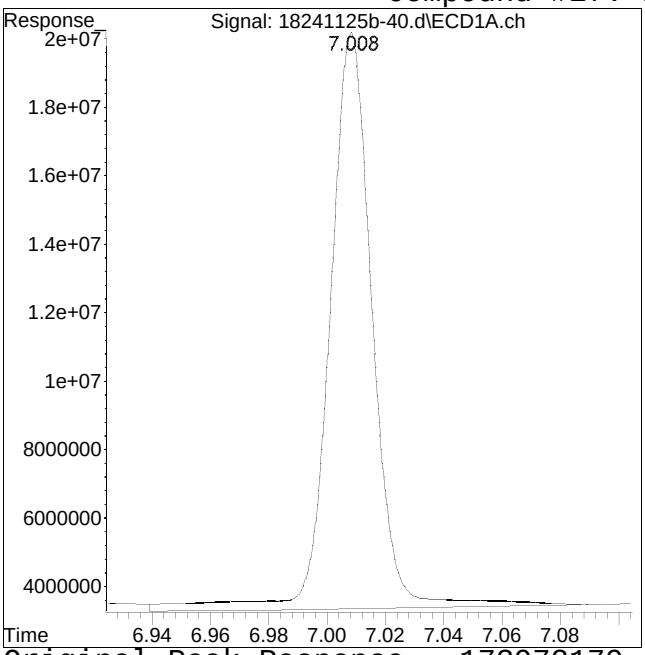


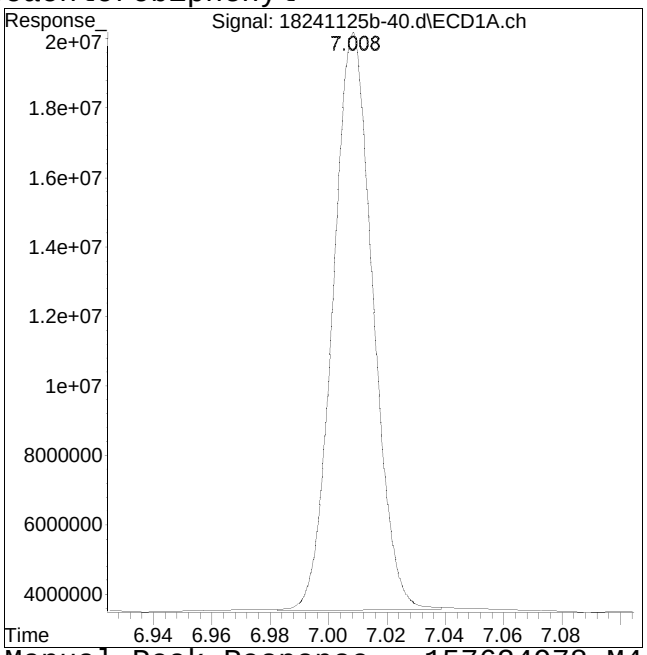
Original Peak Response = 197618452 Manual Peak Response = 192262141 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-40.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 2:58 Instrument : Pest 18
Sample : WG2001430-1,42,, Quant Date : 11/26/2024 7:38 am

Compound #27: Decachlorobiphenyl



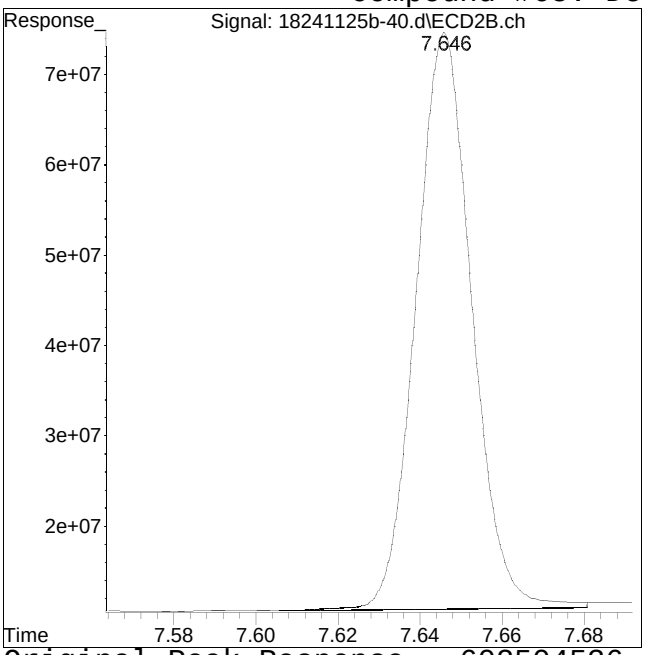


Original Peak Response = 173972179 Manual Peak Response = 157624978 M4
M4 = Poor automated baseline construction.

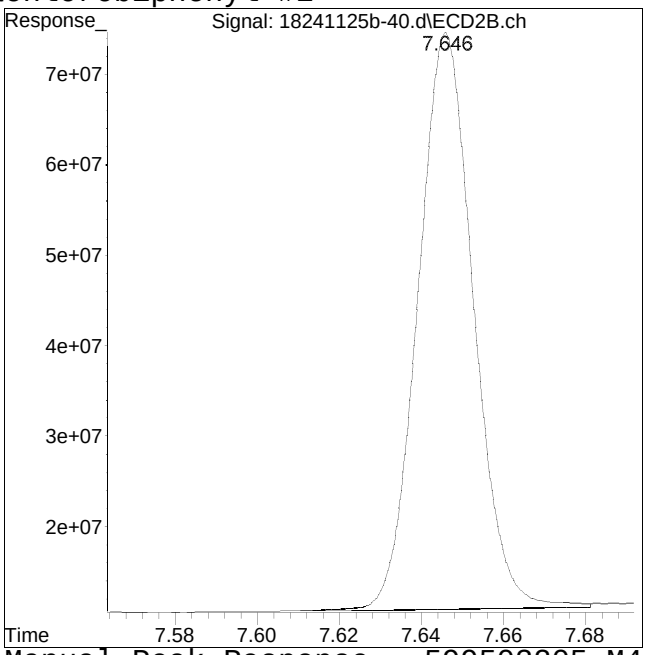
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-40.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 2:58 Instrument : Pest 18
Sample : WG2001430-1,42,, Quant Date : 11/26/2024 7:38 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 602504536



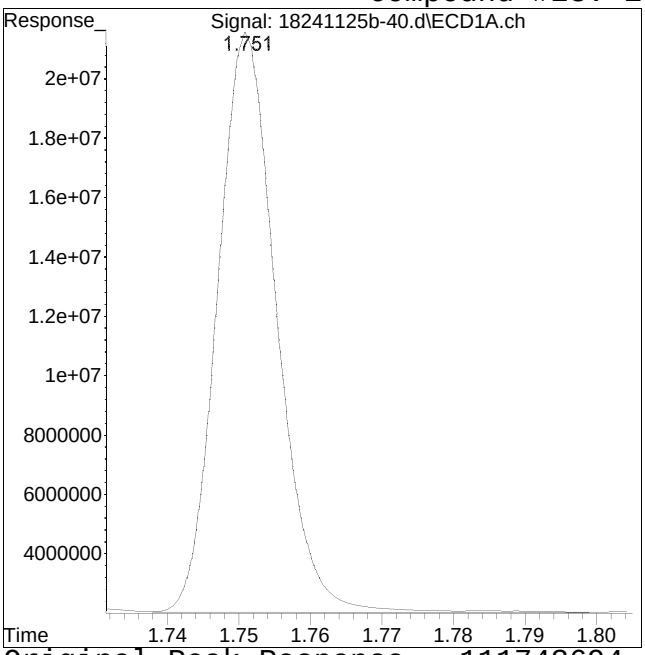
Manual Peak Response = 599503205 M4

M4 = Poor automated baseline construction.

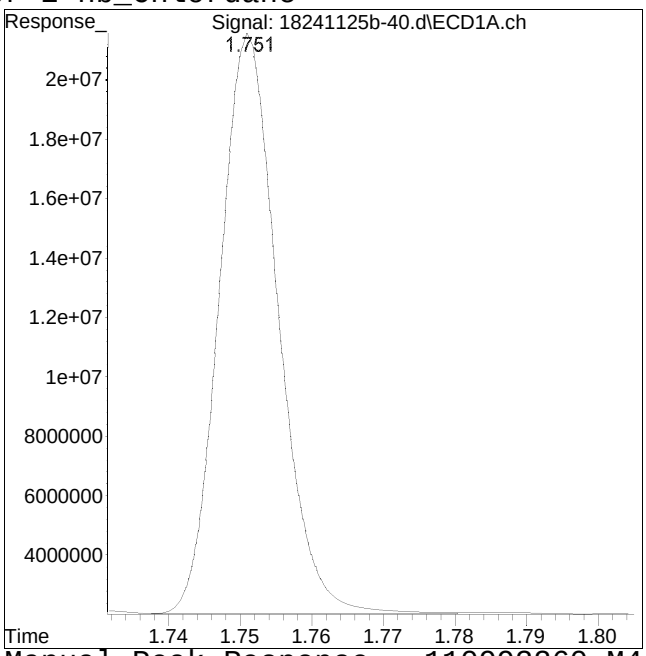
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-40.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 2:58 Instrument : Pest 18
Sample : WG2001430-1,42,, Quant Date : 11/26/2024 7:38 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 111743694



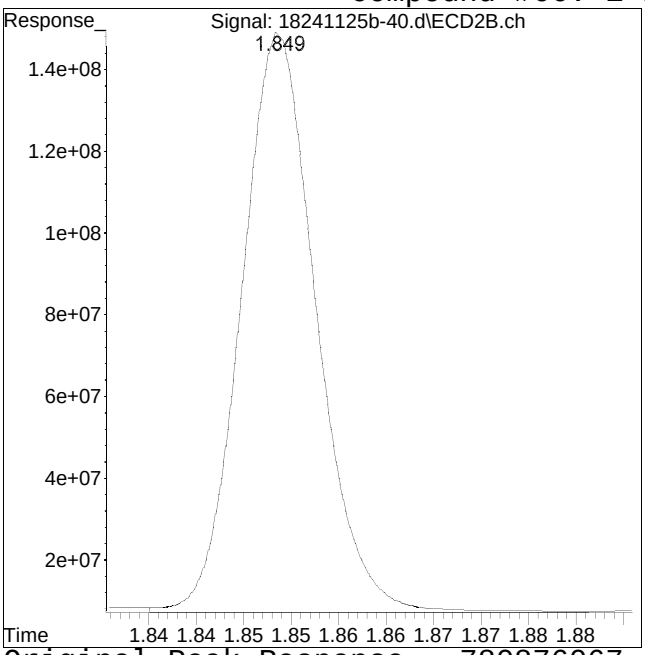
Manual Peak Response = 110993260 M4

M4 = Poor automated baseline construction.

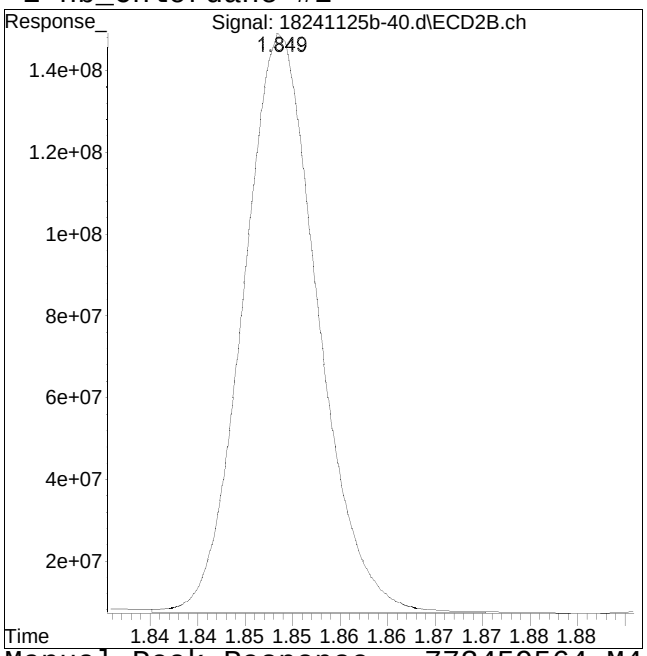
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-40.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 2:58 Instrument : Pest 18
Sample : WG2001430-1,42,, Quant Date : 11/26/2024 7:38 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 780876067



Manual Peak Response = 773459564 M4

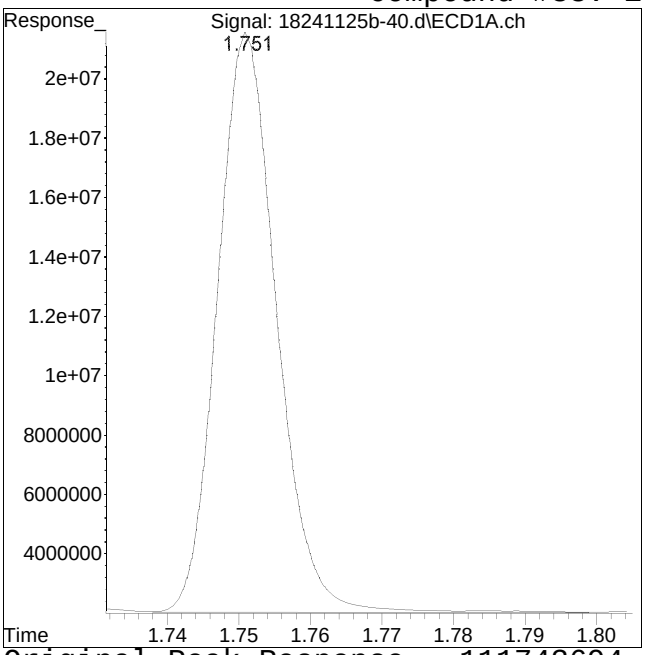
M4 = Poor automated baseline construction.

Manual Integration Report

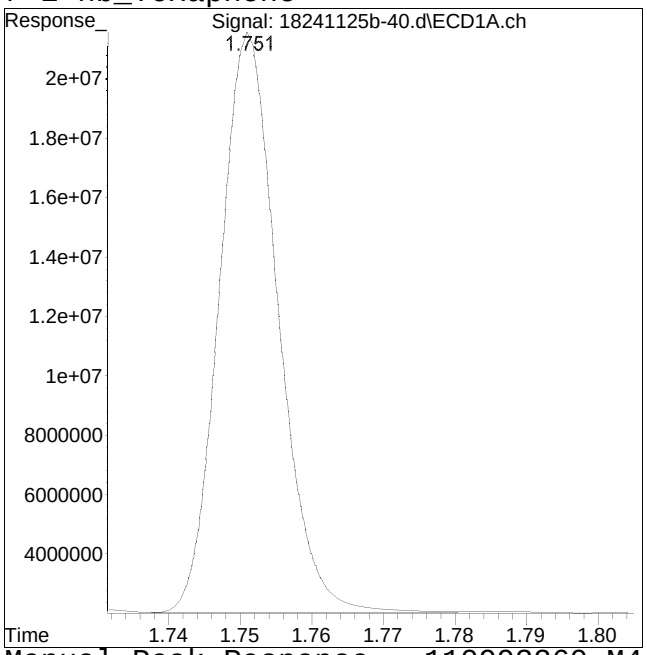
Data Path : I:\PEST\Pest18\2024\241125Q
Data File : 18241125b-40.d
Date Inj'd : 11/26/2024 2:58
Sample : WG2001430-1,42,,

Method : pest18_2024_11_01_ugL_IC
Operator : PEST18:akm
Instrument : Pest 18
Quant Date : 11/26/2024 7:38 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 111743694



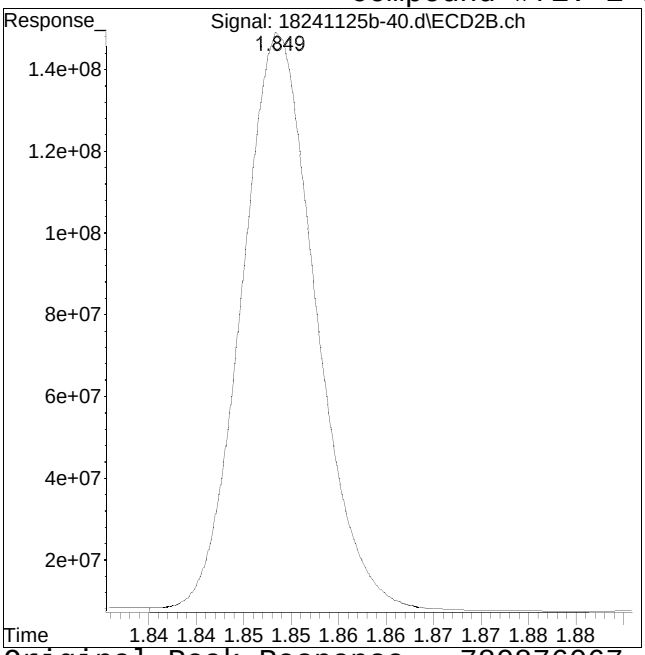
Manual Peak Response = 110993260 M4

M4 = Poor automated baseline construction.

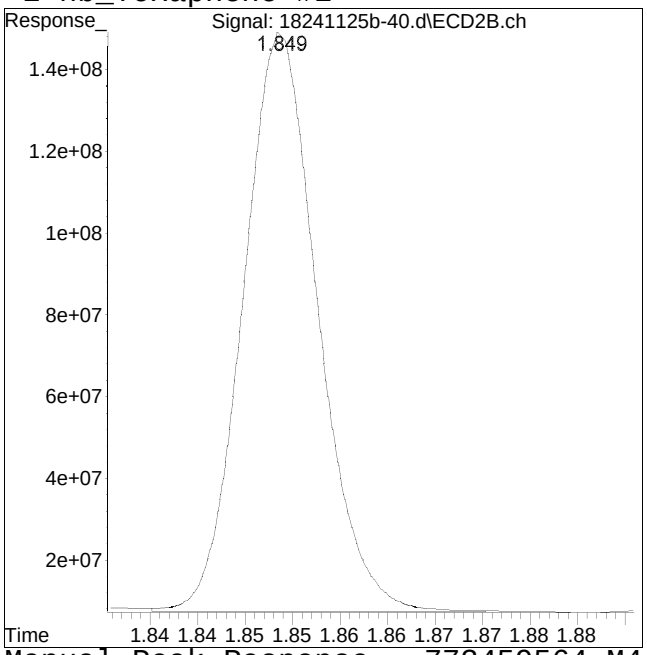
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-40.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 2:58 Instrument : Pest 18
Sample : WG2001430-1,42,, Quant Date : 11/26/2024 7:38 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 780876067



Manual Peak Response = 773459564 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-41.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:10 am
Operator : PEST18:akm
Sample : WG2001430-2,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:05 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.752	1.850	113.6E6	824.3E6	25.000M4	25.000
	Standard Area 1 : #1 = 98702682				Recovery = 115.08%		
	Standard Area 1 : #2 = 692996124				Recovery = 118.94%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.194	2.421	180.5E6	1169.6E6	31.010	33.216
	Spiked Amount 50.000	Range 30 - 150		Recovery =	62.02%	66.43%	
27) s	Decachlorobi	7.009	7.649	165.7E6	653.7E6	28.932M4	25.252M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =	57.86%	50.50%	
Target Compounds							
4)	alpha-BHC	2.555	2.887	2239.5E6	20026.6E6	313.441M4	409.650
5)	gamma-BHC (l	2.781	3.190	2118.9E6	19160.5E6	342.446	403.882
6)	beta-BHC	2.846	3.261	979.3E6	7238.3E6	284.677	340.957
7)	delta-BHC	2.983	3.539	1833.9E6	12910.3E6	278.704	282.632
8)	Heptachlor	3.156	3.602	2010.5E6	13359.7E6	309.721	306.026
9)	Aldrin	3.413	3.931	2031.0E6	13882.0E6	315.148	342.544
12)	Heptachlor E	3.984	4.565	1862.3E6	11475.2E6	300.621	286.503
13)	gamma-Chlord	4.113	4.791	2011.9E6	13749.8E6	334.749	379.758
14)	alpha-Chlord	4.252	4.963	1930.2E6	13065.3E6	290.682	320.782
15)	4,4'-DDE	4.357	5.167	1983.6E6	13218.5E6	307.568	337.793
16)	Endosulfan I	4.390	5.024	1791.8E6	11850.2E6	299.596	310.677
17)	Dieldrin	4.658	5.321	2078.7E6	13874.3E6	330.157	360.792
18)	Endrin	4.916	5.623	1969.3E6	12487.7E6	316.454	318.340
19)	4,4'-DDD	5.032	5.749	1771.8E6	12011.0E6	349.377	367.523
20)	Endosulfan I	5.159	5.824	1707.6E6	11293.7E6	312.841	331.185
21)	4,4'-DDT	5.328	6.029	1753.9E6	12266.3E6	323.320	338.064
22)	Endrin Aldeh	5.579	6.124	1035.6E6	6726.6E6	236.979	236.906M3

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-41.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:10 am
Operator : PEST18:akm
Sample : WG2001430-2,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:05 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) Methoxychlor	5.820	6.598	896.2E6	5070.4E6	281.288	285.709
25) Endosulfan S	5.973	6.355	1499.2E6	10738.3E6	284.339M4	314.047
26) Endrin Keton	6.201	6.769	1880.3E6	11972.8E6	307.326	327.378M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

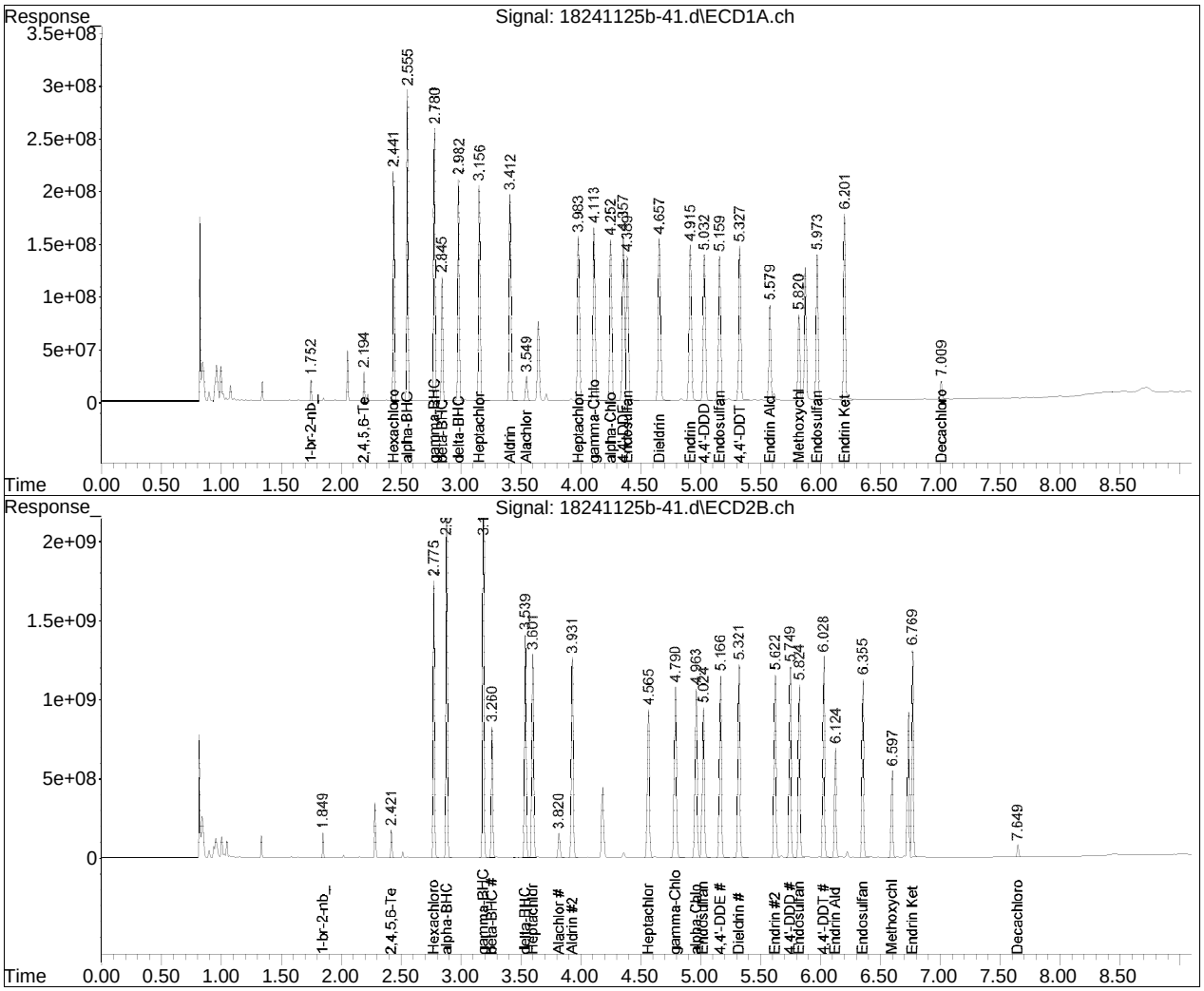
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only8\2024\241125b\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-41.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:10 am
Operator : PEST18:akm
Sample : WG2001430-2,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:05 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

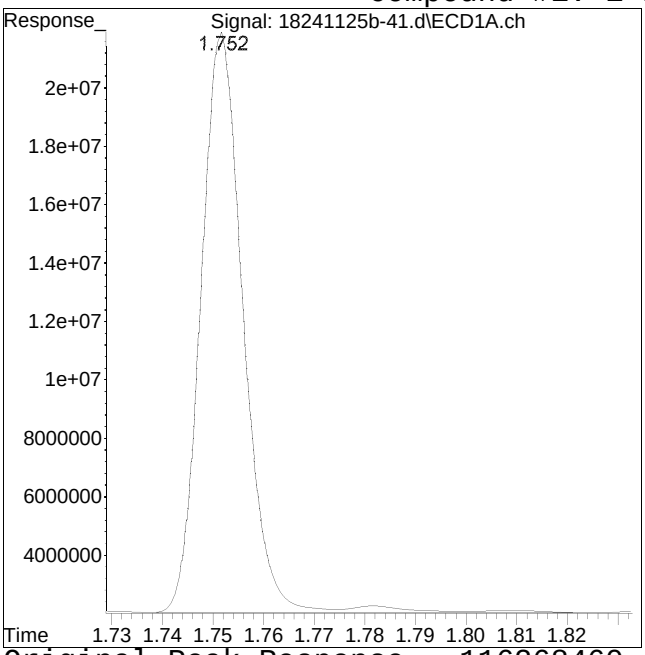
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

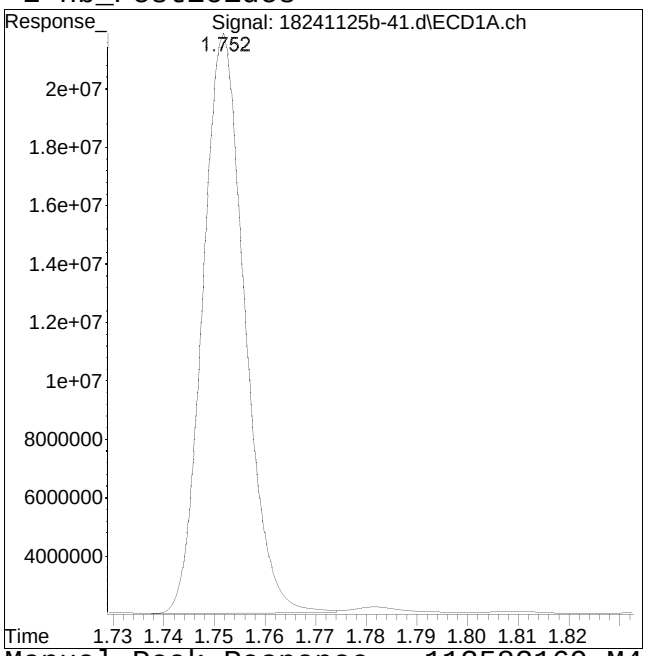


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-41.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:10 am Instrument : Pest 18
Sample : WG2001430-2,42,, Quant Date : 11/26/2024 7:38 am

Compound #1: 1-br-2-nb_Pesticides



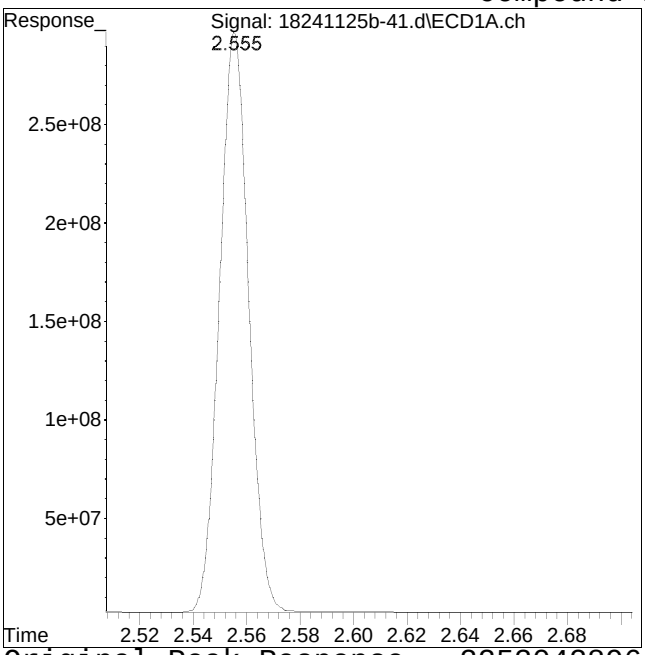


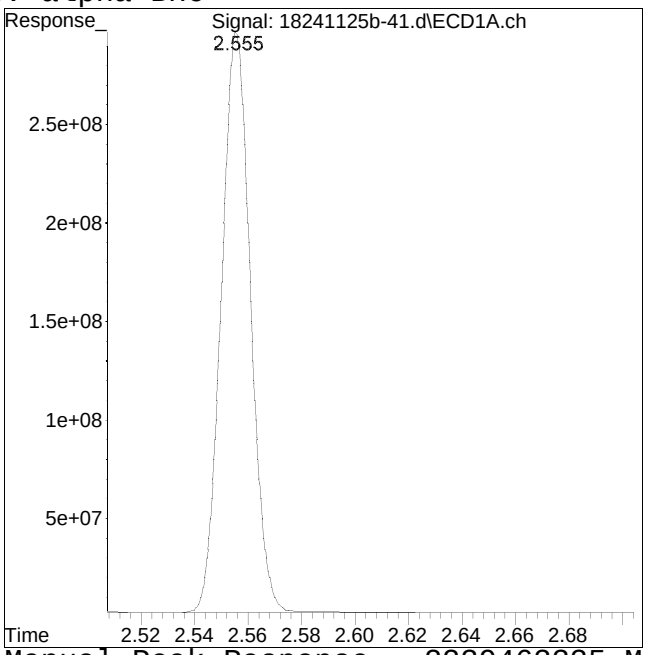
Original Peak Response = 116268460 Manual Peak Response = 113583169 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-41.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:10 am Instrument : Pest 18
Sample : WG2001430-2,42,, Quant Date : 11/26/2024 7:38 am

Compound #4: alpha-BHC



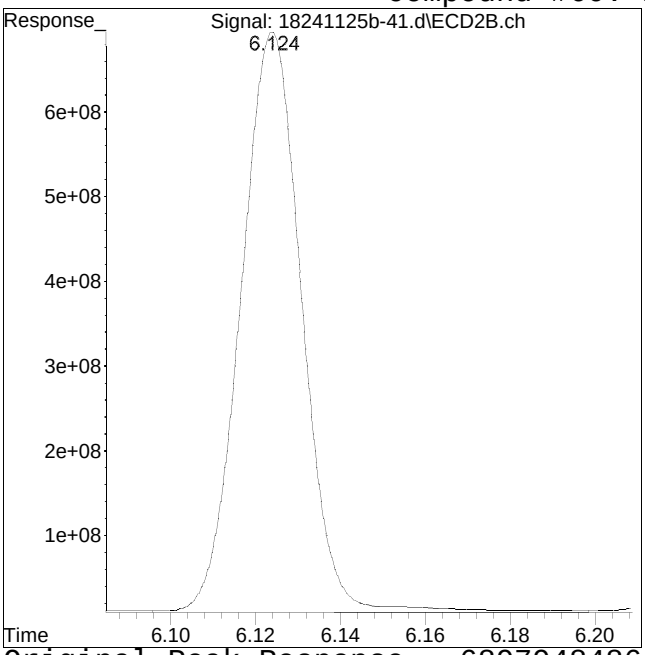


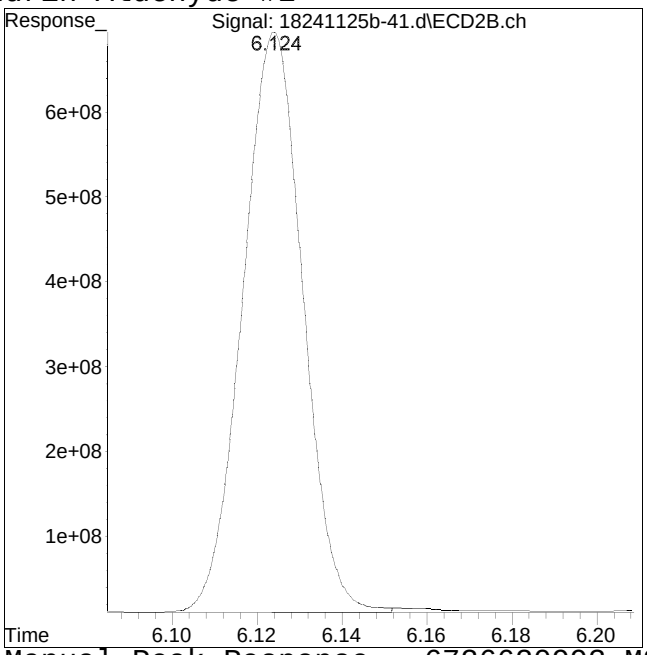
Original Peak Response = 2253042896 Manual Peak Response = 2239463335 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-41.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:10 am Instrument : Pest 18
Sample : WG2001430-2,42,, Quant Date : 11/26/2024 7:38 am

Compound #60: Endrin Aldehyde #2



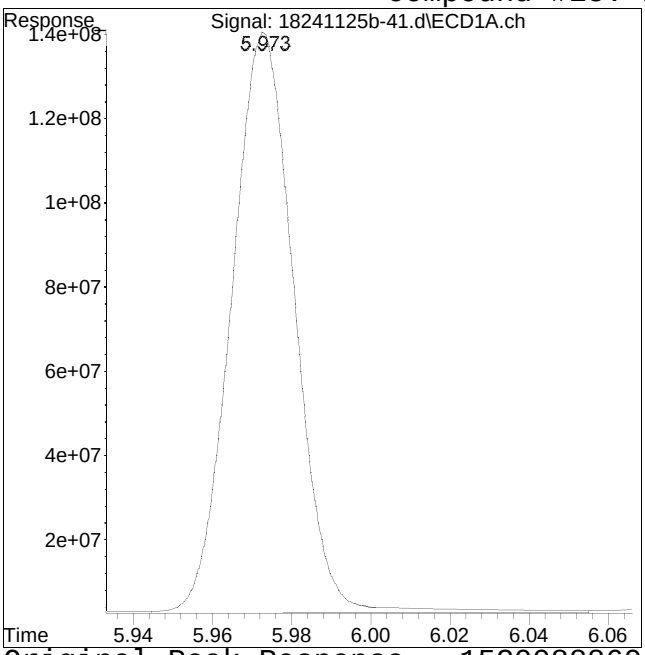


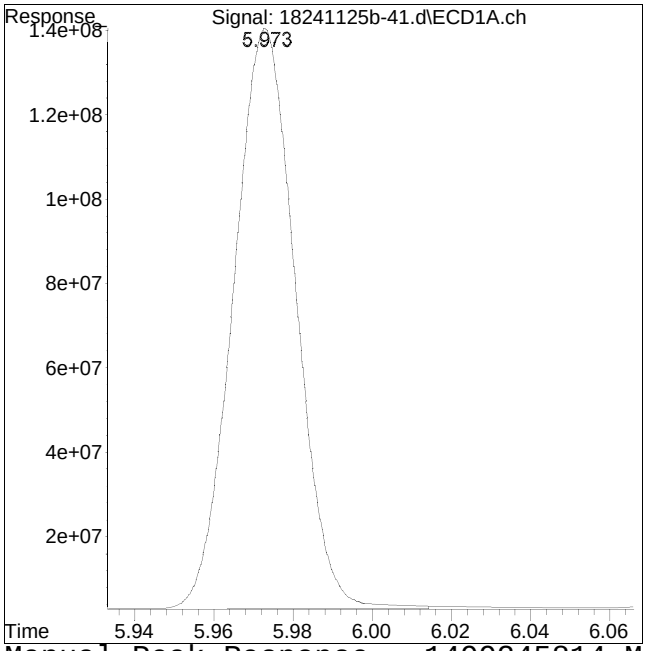
Original Peak Response = 6897948486 Manual Peak Response = 6726620993 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-41.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:10 am Instrument : Pest 18
Sample : WG2001430-2,42,, Quant Date : 11/26/2024 7:38 am

Compound #25: Endosulfan Sulfate



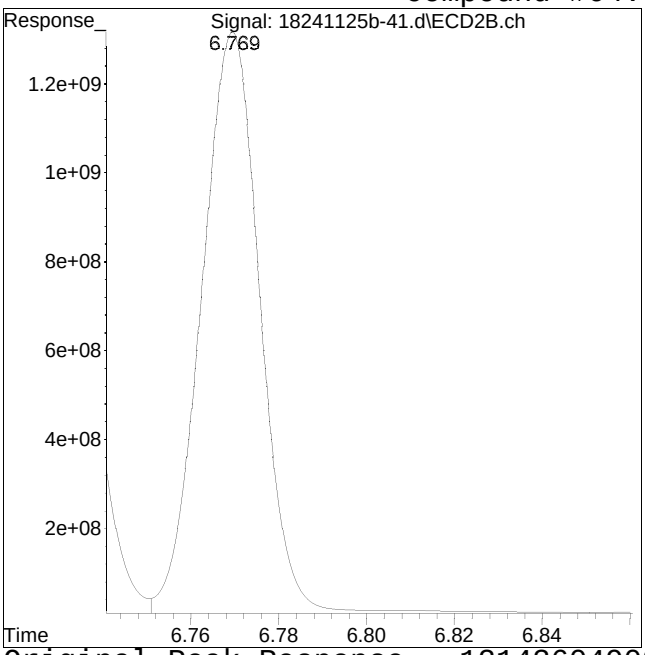


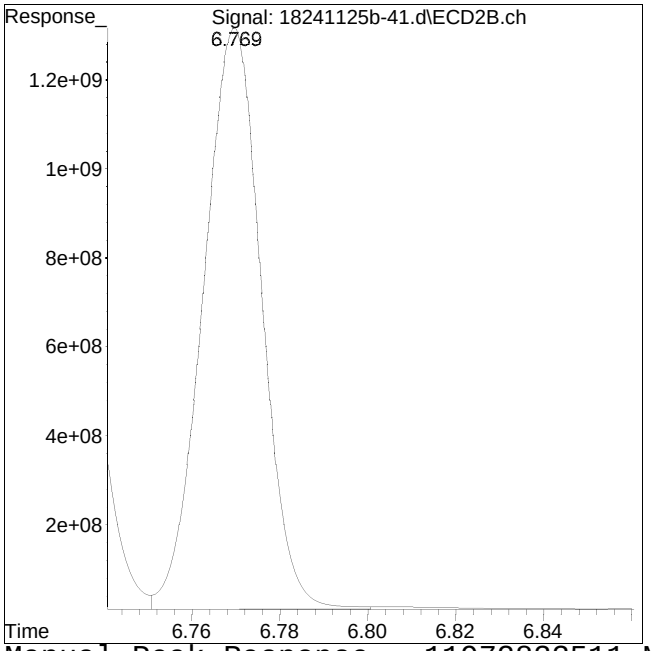
Original Peak Response = 1530088860 Manual Peak Response = 1499245814 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-41.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:10 am Instrument : Pest 18
Sample : WG2001430-2,42,, Quant Date : 11/26/2024 7:38 am

Compound #64: Endrin Ketone #2



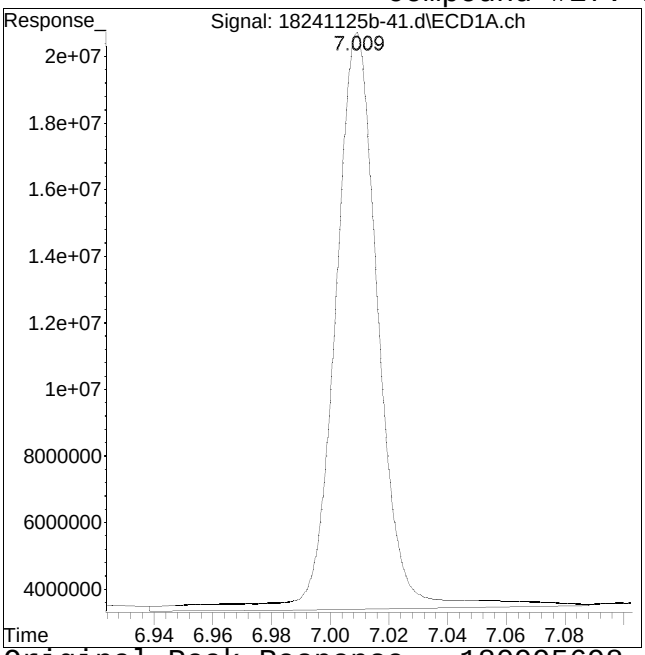


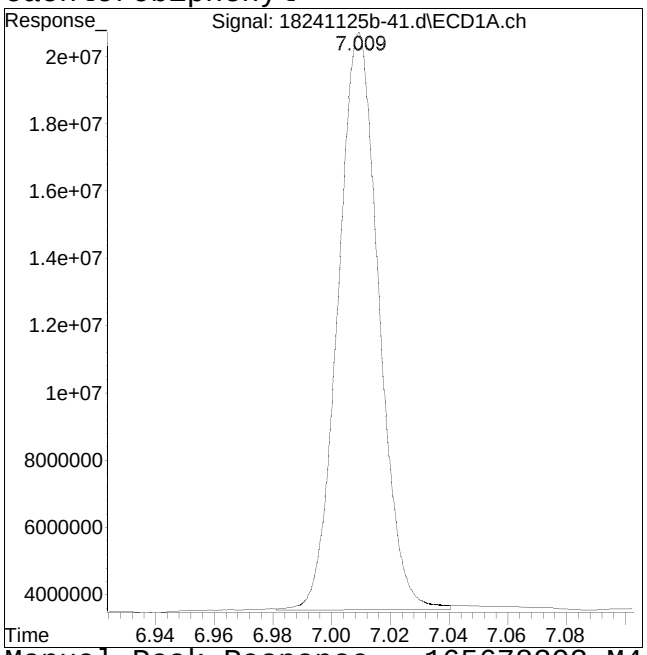
Original Peak Response = 12143604902 Manual Peak Response = 11972833511 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-41.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:10 am Instrument : Pest 18
Sample : WG2001430-2,42,, Quant Date : 11/26/2024 7:38 am

Compound #27: Decachlorobiphenyl



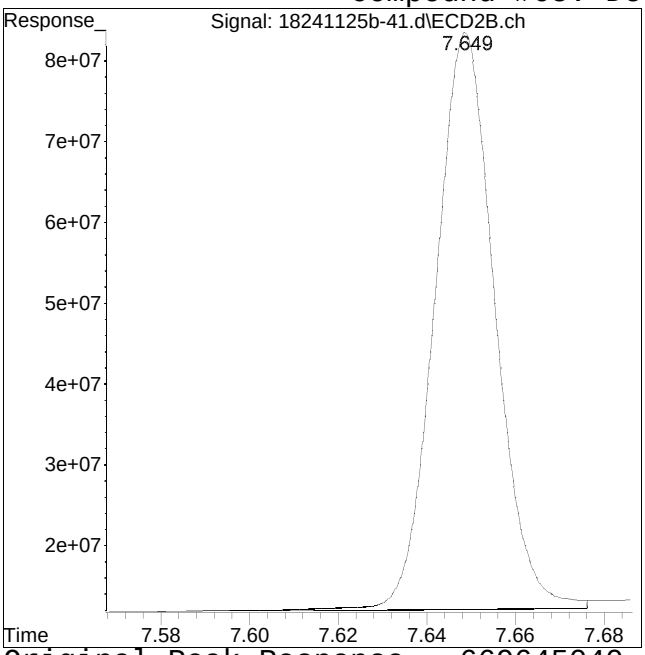


Original Peak Response = 180995698 Manual Peak Response = 165678393 M4
M4 = Poor automated baseline construction.

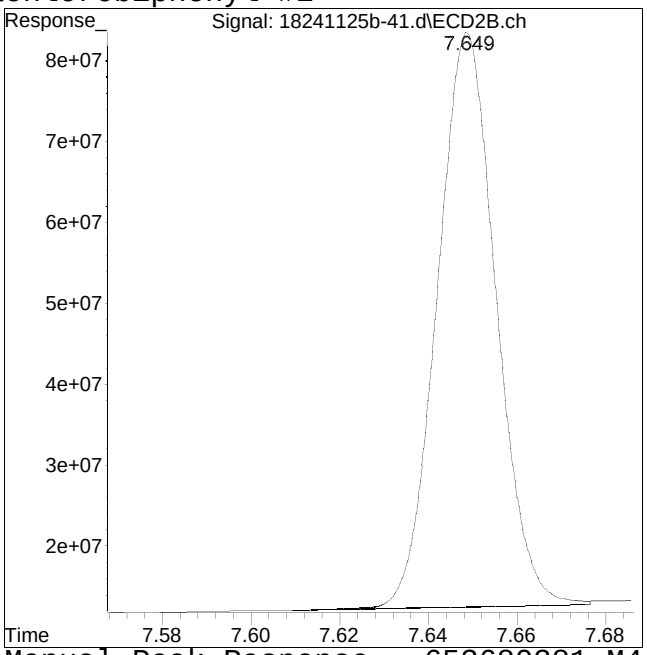
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-41.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:10 am Instrument : Pest 18
Sample : WG2001430-2,42,, Quant Date : 11/26/2024 7:38 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 669645040



Manual Peak Response = 653680381 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-42.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:22 am
Operator : PEST18:akm
Sample : WG2001430-3,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:07 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.751	1.849	104.9E6	734.7E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 98702682				Recovery = 106.27%		
	Standard Area 1 : #2 = 692996124				Recovery = 106.01%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.193	2.421	176.7E6	1147.8E6	32.882M4	36.574
	Spiked Amount 50.000	Range 30 - 150		Recovery = 65.76%		73.15%	
27) s	Decachlorobi	7.009	7.648	167.7E6	616.7E6	31.836M4	26.790M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 63.67%		53.58%	
Target Compounds							
4)	alpha-BHC	2.556	2.886	2212.6E6	19664.0E6	335.326	451.292
5)	gamma-BHC (l	2.781	3.190	2093.1E6	19164.4E6	366.317	453.234
6)	beta-BHC	2.846	3.261	975.2E6	7247.7E6	306.982	383.037
7)	delta-BHC	2.983	3.539	1867.7E6	12522.4E6	307.363	307.575
8)	Heptachlor	3.156	3.601	1991.3E6	12235.8E6	332.167	314.466
9)	Aldrin	3.413	3.931	2009.6E6	12605.5E6	337.665M4	348.983
12)	Heptachlor E	3.984	4.565	1853.7E6	10424.9E6	324.016	292.025
13)	gamma-Chlord	4.113	4.790	2005.3E6	12474.1E6	361.283	386.546
14)	alpha-Chlord	4.252	4.963	1922.6E6	11884.4E6	313.516	327.375
15)	4,4'-DDE	4.357	5.166	1985.4E6	12021.7E6	333.341	344.680
16)	Endosulfan I	4.389	5.024	1748.7E6	10815.7E6	316.615M4	318.138
17)	Dieldrin	4.658	5.321	2079.6E6	12613.0E6	357.646	367.996
18)	Endrin	4.916	5.622	1974.7E6	11340.5E6	343.604	324.355
19)	4,4'-DDD	5.032	5.748	1788.7E6	10914.5E6	381.919	374.705
20)	Endosulfan I	5.159	5.823	1755.6E6	10527.1E6	348.285	346.355
21)	4,4'-DDT	5.328	6.027	1771.5E6	11090.8E6	353.599	342.945M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-42.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:22 am
Operator : PEST18:akm
Sample : WG2001430-3,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:07 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22)	Endrin Aldeh	5.579	6.123	1100.3E6	6431.9E6	272.689	254.168M4
23)	Methoxychlor	5.820	6.597	912.9E6	4711.6E6	310.238	297.898
25)	Endosulfan S	5.973	6.354	1571.6E6	10203.7E6	322.739M4	334.807
26)	Endrin Keton	6.201	6.769	1899.5E6	11213.2E6	336.172M3	344.002
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

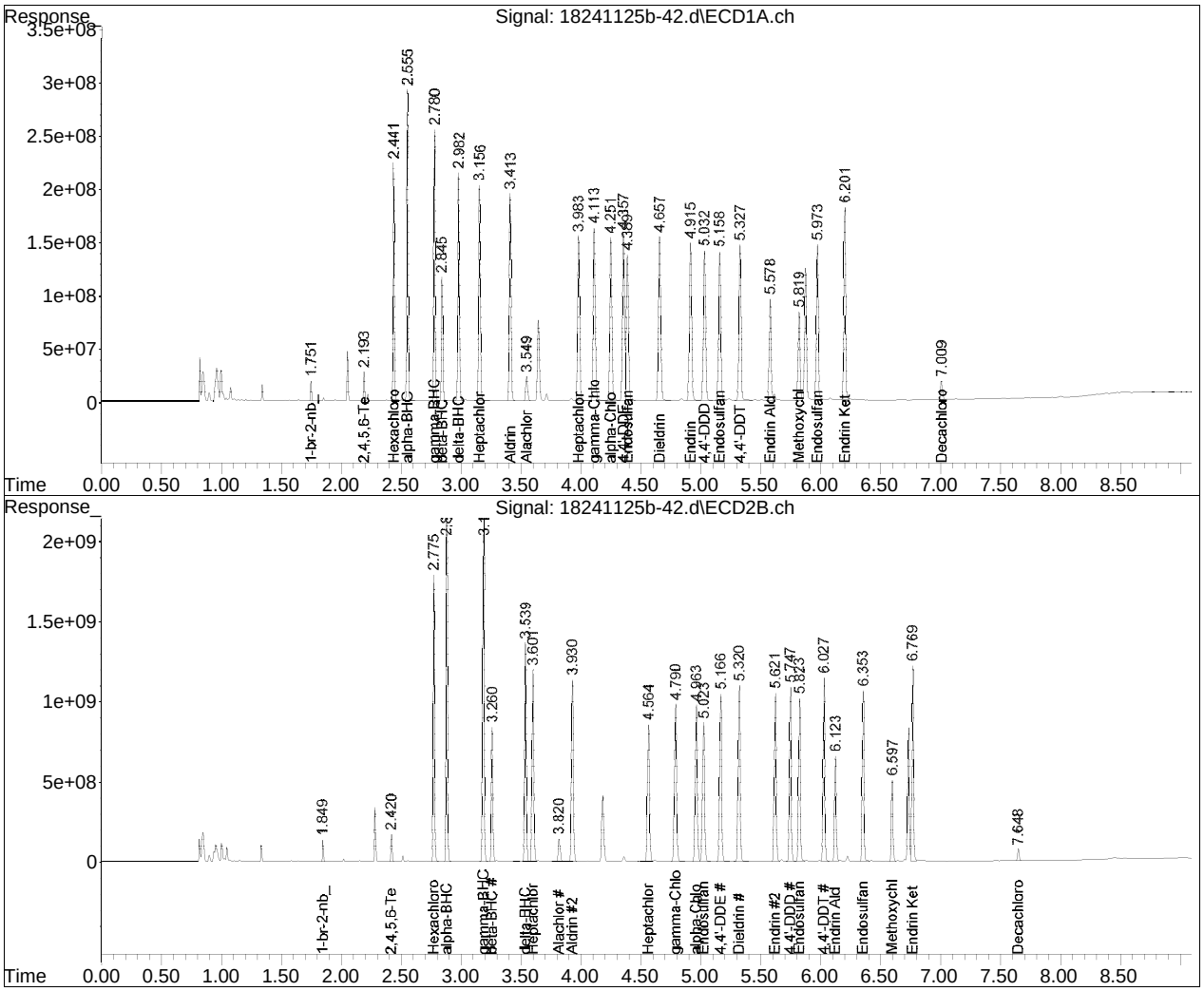
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only8\2024\241125b\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-42.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 3:22 am
Operator : PEST18:akm
Sample : WG2001430-3,42,,
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:07 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

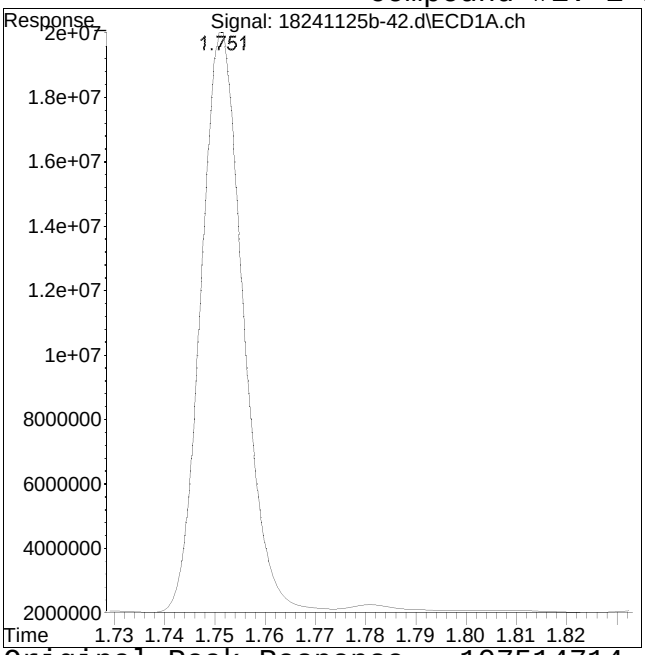
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



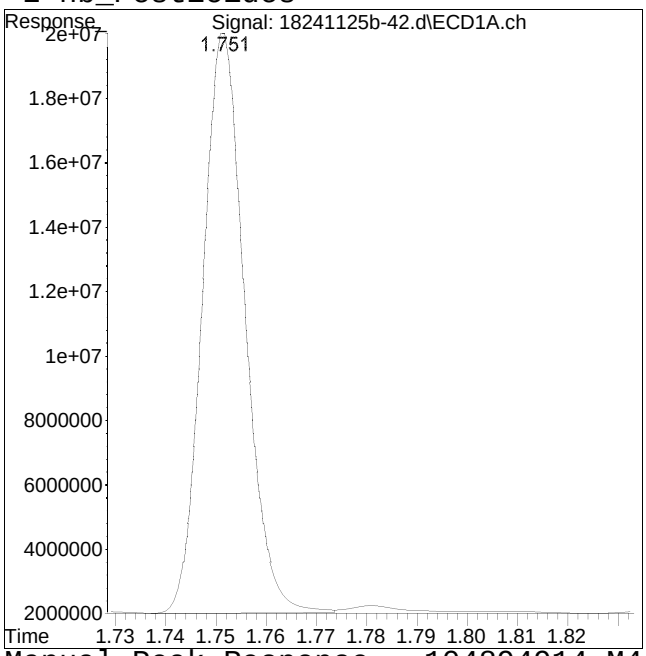
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 107514714



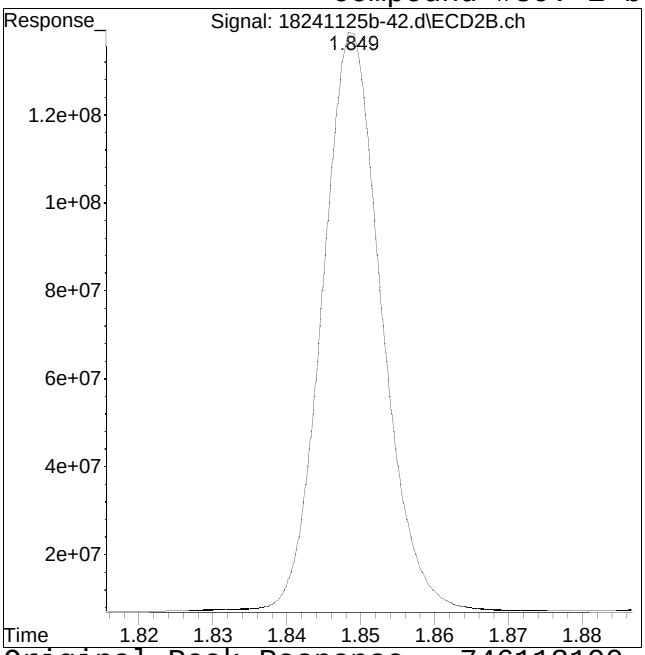
Manual Peak Response = 104894914 M4

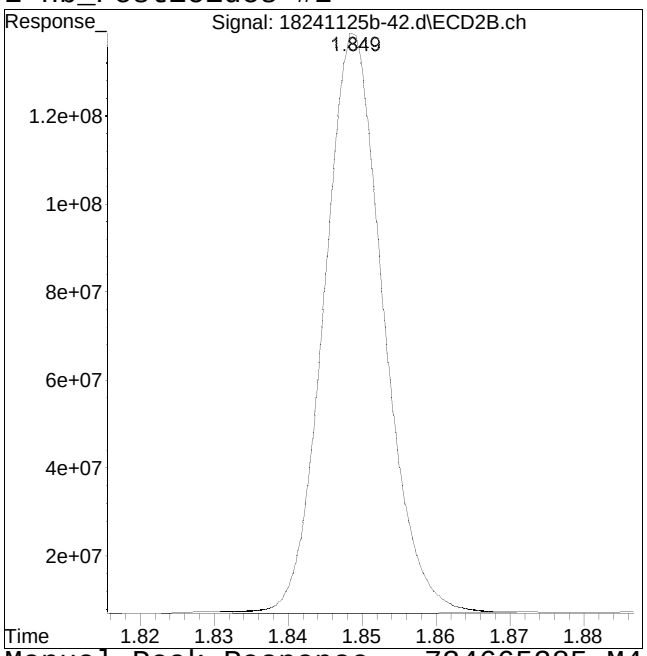
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #39: 1-br-2-nb_Pesticides #2



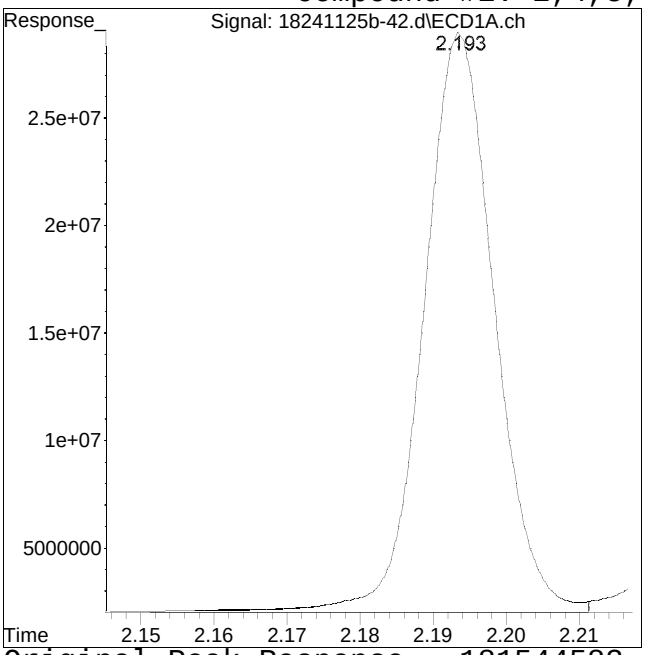


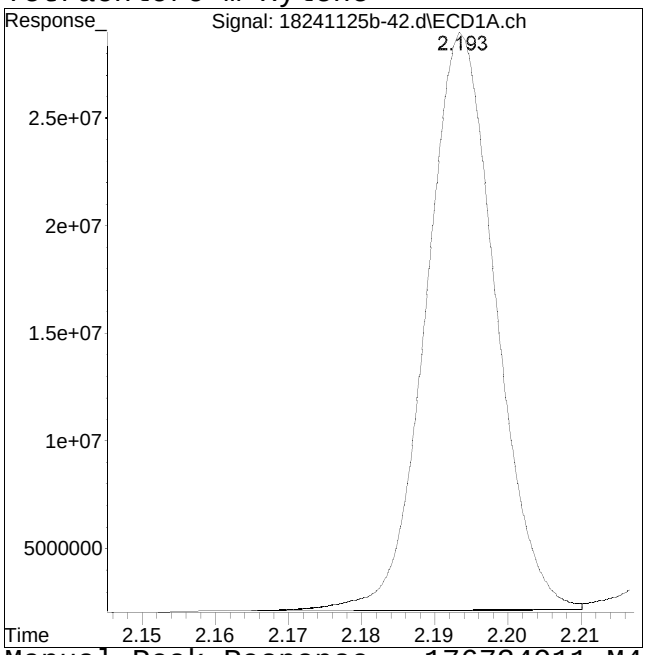
Original Peak Response = 746113100 Manual Peak Response = 734665285 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



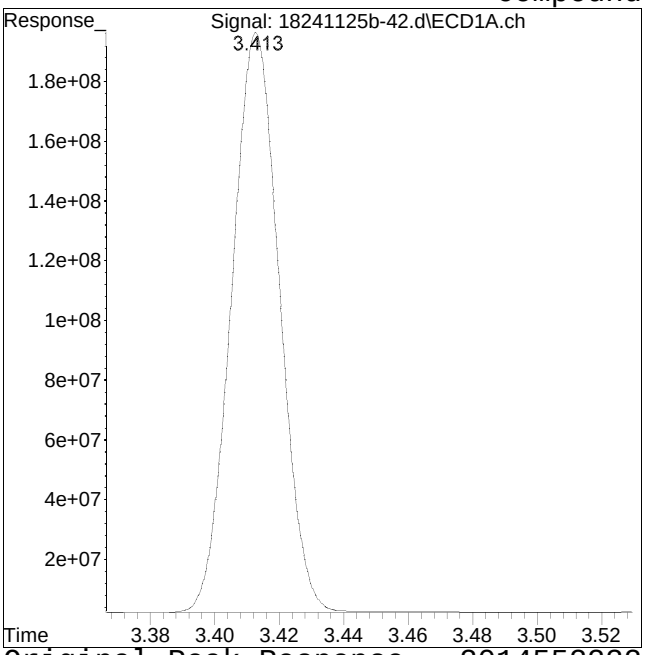


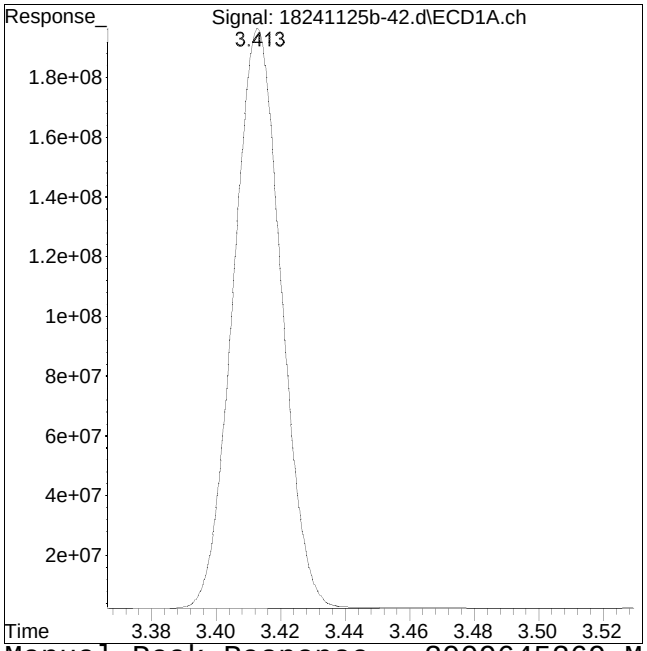
Original Peak Response = 181544583 Manual Peak Response = 176734911 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #9: Aldrin



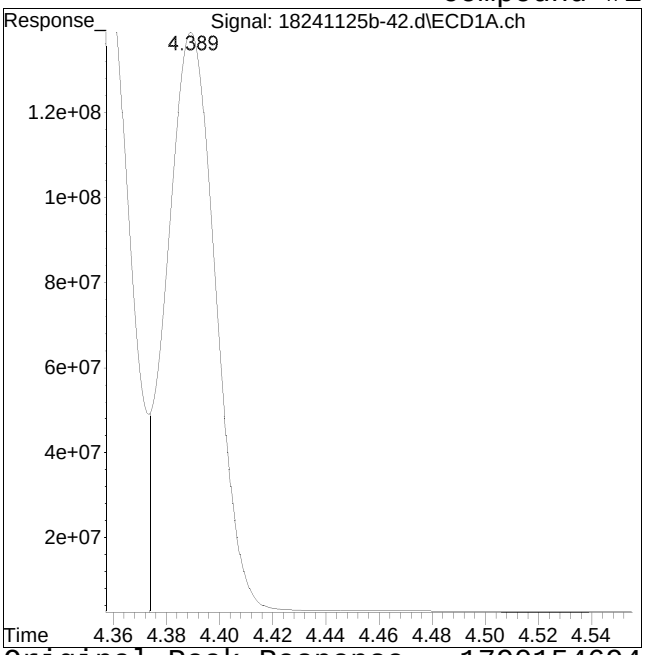


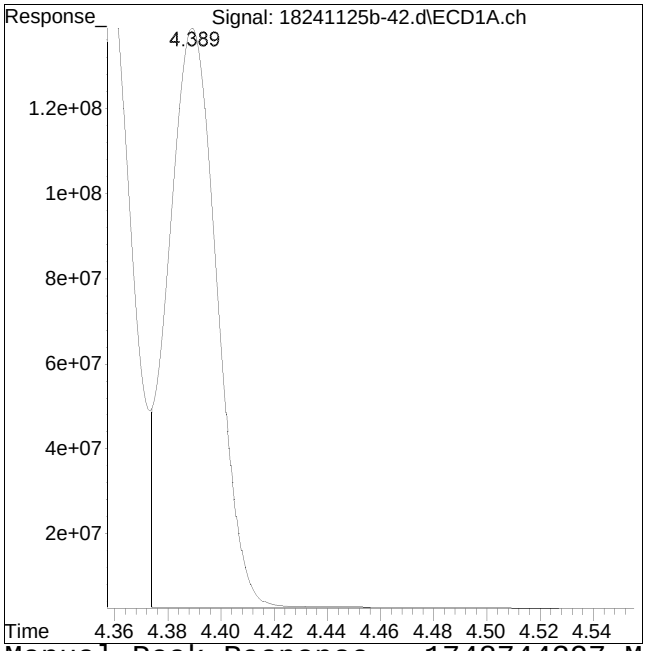
Original Peak Response = 2014552232 Manual Peak Response = 2009645269 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #16: Endosulfan I



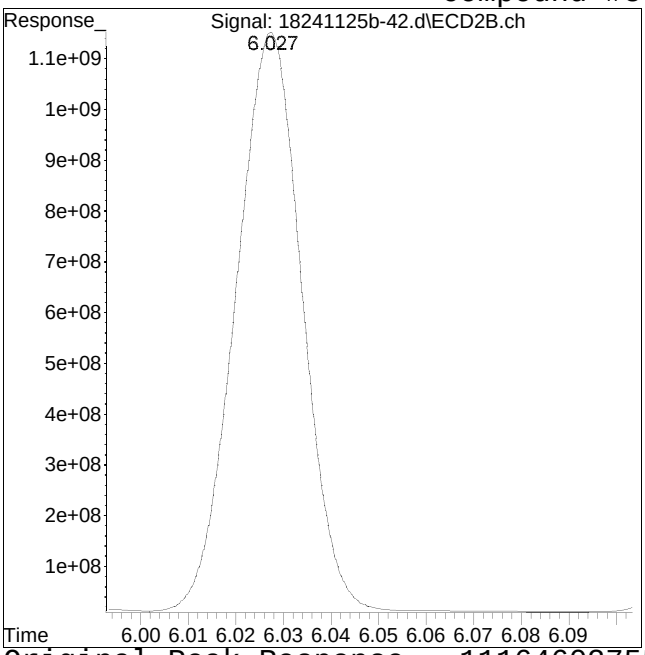


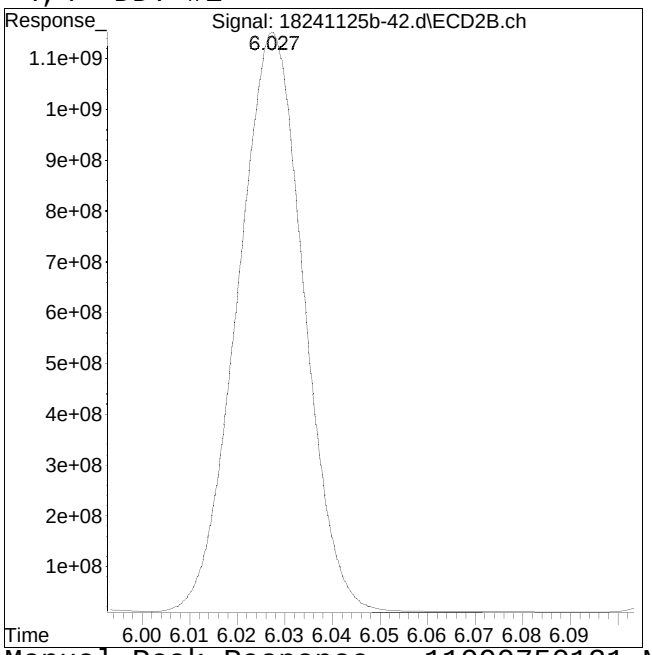
Original Peak Response = 1790154694 Manual Peak Response = 1748744327 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #59: 4,4'-DDT #2



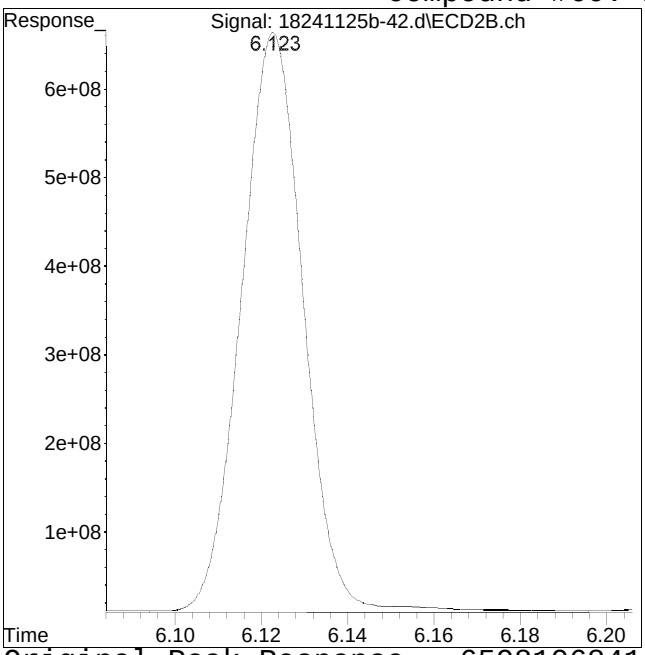


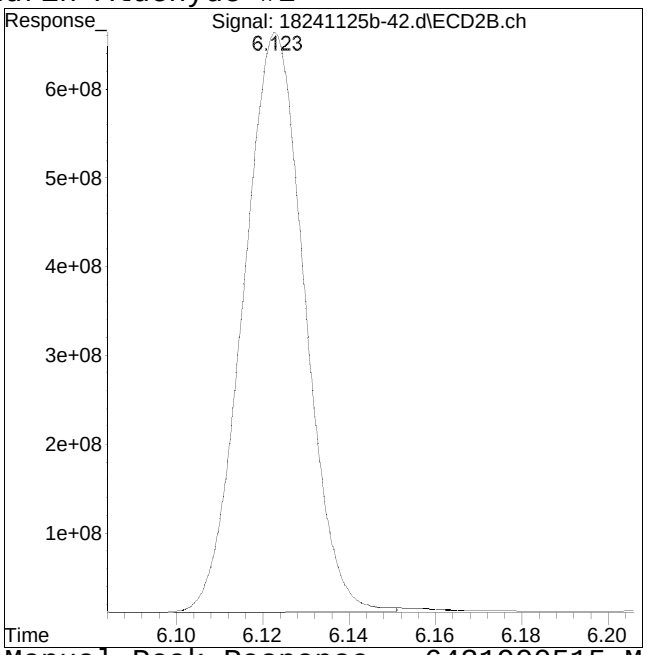
Original Peak Response = 11164602755 Manual Peak Response = 11090750121 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #60: Endrin Aldehyde #2



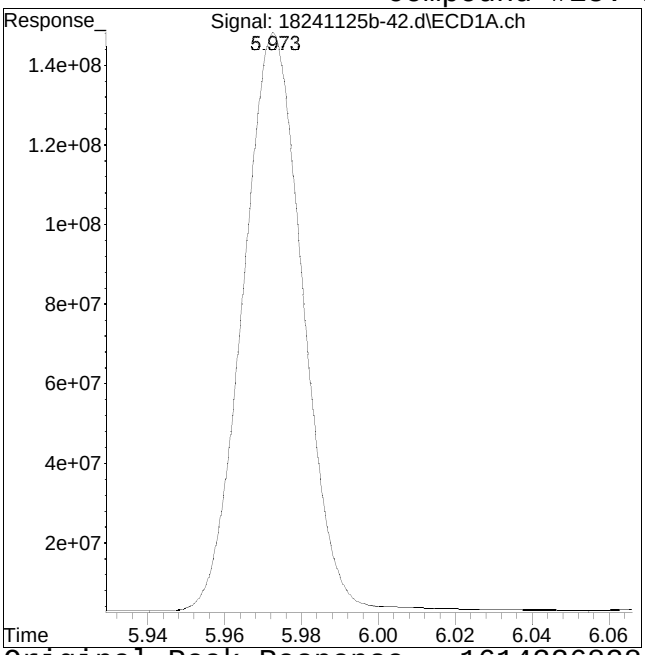


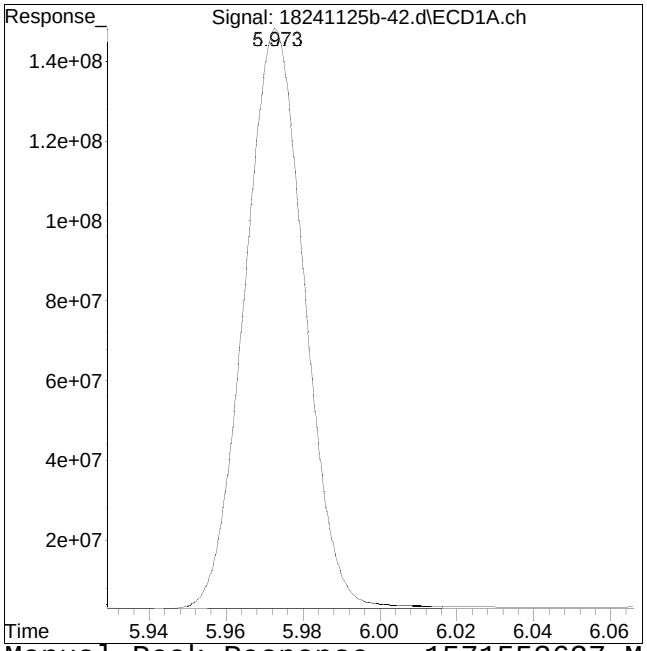
Original Peak Response = 6598106841 Manual Peak Response = 6431900515 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #25: Endosulfan Sulfate



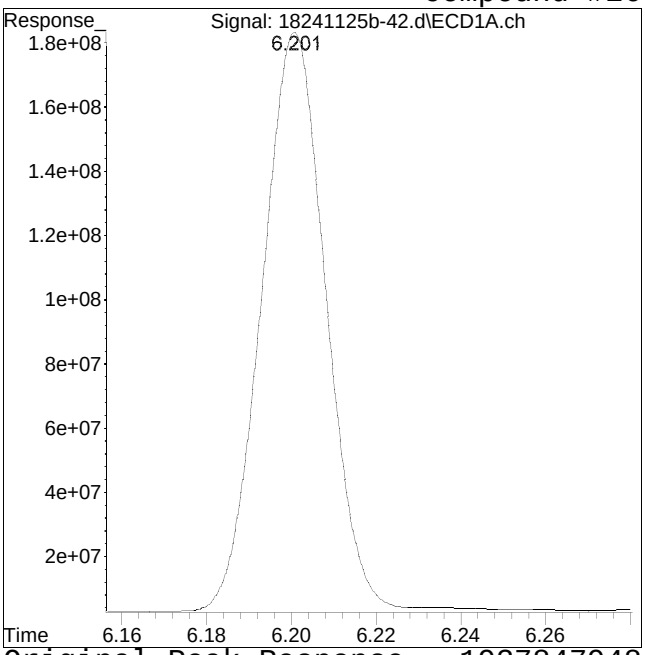


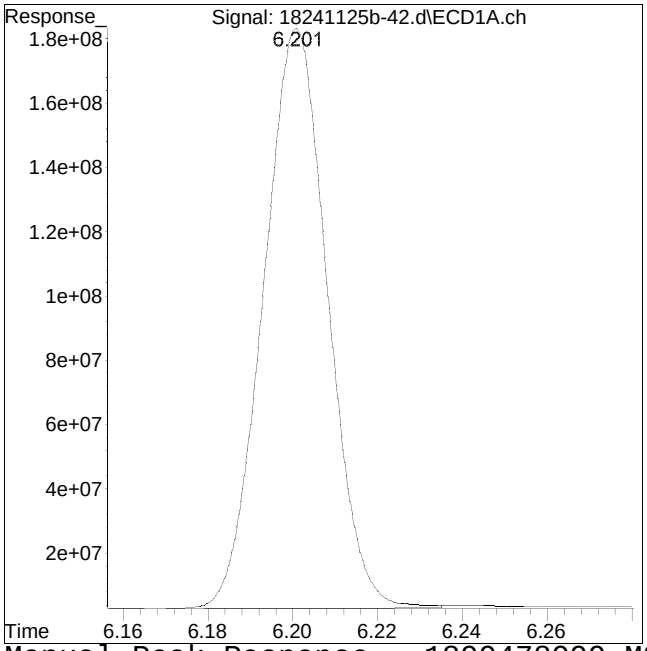
Original Peak Response = 1614326828 Manual Peak Response = 1571553637 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #26: Endrin Ketone



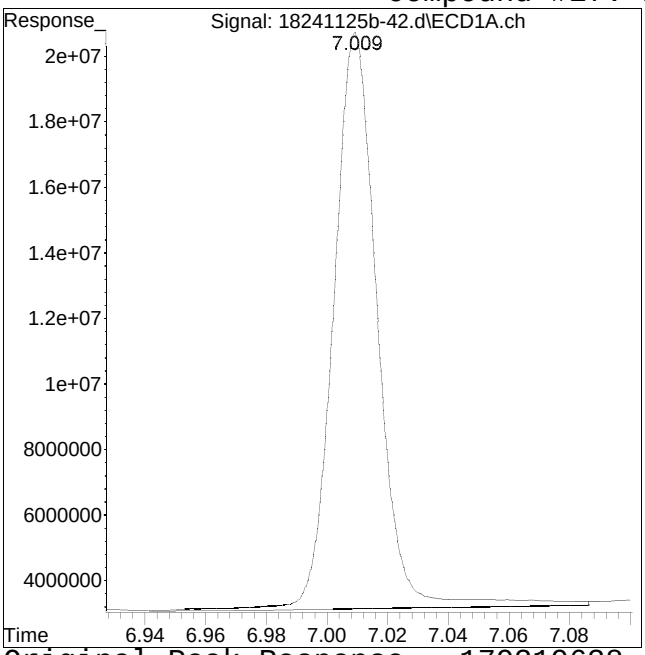


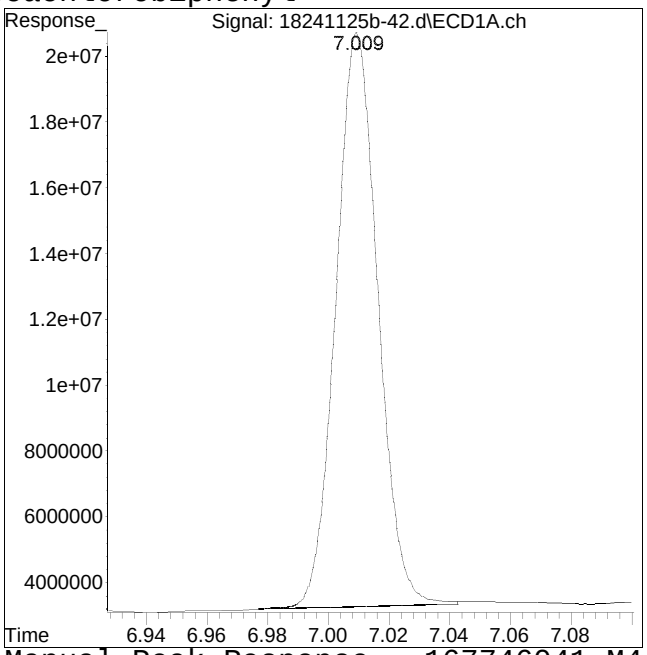
Original Peak Response = 1937847948 Manual Peak Response = 1899478999 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #27: Decachlorobiphenyl



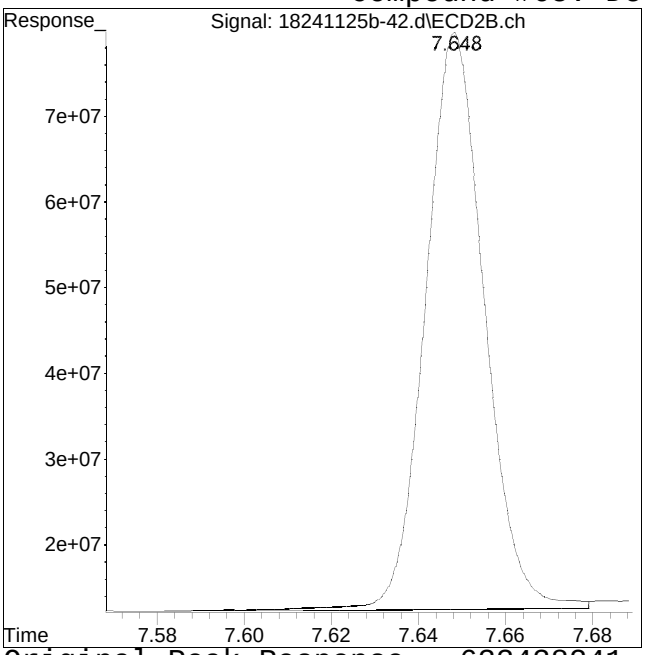


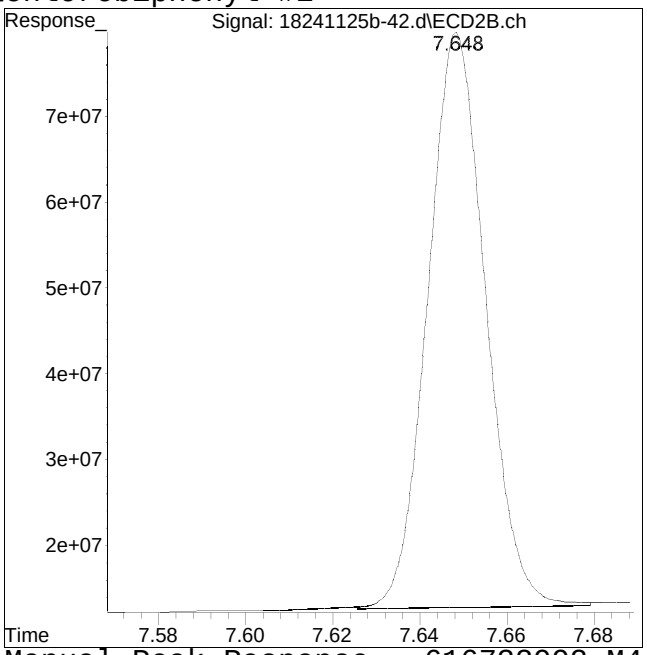
Original Peak Response = 179319638 Manual Peak Response = 167746041 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-42.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 3:22 am Instrument : Pest 18
Sample : WG2001430-3,42,, Quant Date : 11/26/2024 7:38 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 633438241 Manual Peak Response = 616732992 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-48.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:34
Operator : PEST18:akm
Sample : WG2001430-4,42,, ms
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:20 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.751	1.848	116.5E6	845.2E6	25.000	25.000
	Standard Area 1 : #1 = 98702682				Recovery = 118.08%		
	Standard Area 1 : #2 = 692996124				Recovery = 121.96%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.193	2.420	195.3E6	1278.8E6	32.697M3	35.420
	Spiked Amount 50.000	Range 30 - 150		Recovery =	65.39%	70.84%	
27) s	Decachlorobi	7.010	7.649	190.0E6	782.6E6	32.485	29.655
	Spiked Amount 50.000	Range 30 - 150		Recovery =	64.97%	59.31%	
Target Compounds							
4)	alpha-BHC	2.554	2.881	261.6E6	1764.1E6	35.687M4	35.191
5)	gamma-BHC (l	2.780	3.186	246.1E6	1479.9E6	38.469	30.422
6)	beta-BHC	2.846	3.260	125.3E6	671.9E6	35.509	30.864
7)	delta-BHC	2.982	3.538	230.5E6	1154.2E6	34.138	24.641
8)	Heptachlor	3.156	3.600	249.1E6	1315.2E6	37.404M4	29.381
9)	Aldrin	3.412	3.930	232.0E6	1333.0E6	35.078M4	32.079
12)	Heptachlor E	3.983	4.564	230.6E6	1130.3E6	36.273M4	27.521M4
13)	gamma-Chlord	4.113	4.789	232.7E6	1320.3E6	37.731M4	35.562M4
14)	alpha-Chlord	4.252	4.962	223.6E6	1308.9E6	32.818M4	31.341
15)	4,4'-DDE	4.357	5.165	234.4E6	1336.3E6	35.414	33.304
16)	Endosulfan I	4.390	5.023	217.6E6	1252.8E6	35.460	32.032
17)	Dieldrin	4.658	5.320	254.0E6	1418.1E6	39.314	35.965
18)	Endrin	4.916	5.621	248.0E6	1338.6E6	38.838	33.280
19)	4,4'-DDD	5.033	5.747	213.0E6	1199.4E6	40.924	35.793
20)	Endosulfan I	5.159	5.823	222.4E6	1211.9E6	39.718	34.660M4
21)	4,4'-DDT	5.328	6.027	199.9E6	1175.5E6	35.917M4	31.594
22)	Endrin Aldeh	5.579	6.123	145.4E6	791.5E6	32.126	27.019
23)	Methoxychlor	5.820	6.597	123.1E6	613.6E6	37.656	33.162

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-48.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:34
Operator : PEST18:akm
Sample : WG2001430-4,42,, ms
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:20 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
25) Endosulfan S	5.973	6.353	196.4E6	1166.2E6	36.292M4	33.260
26) Endrin Keton	6.201	6.769	246.7E6	1296.0E6	39.301	34.560
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

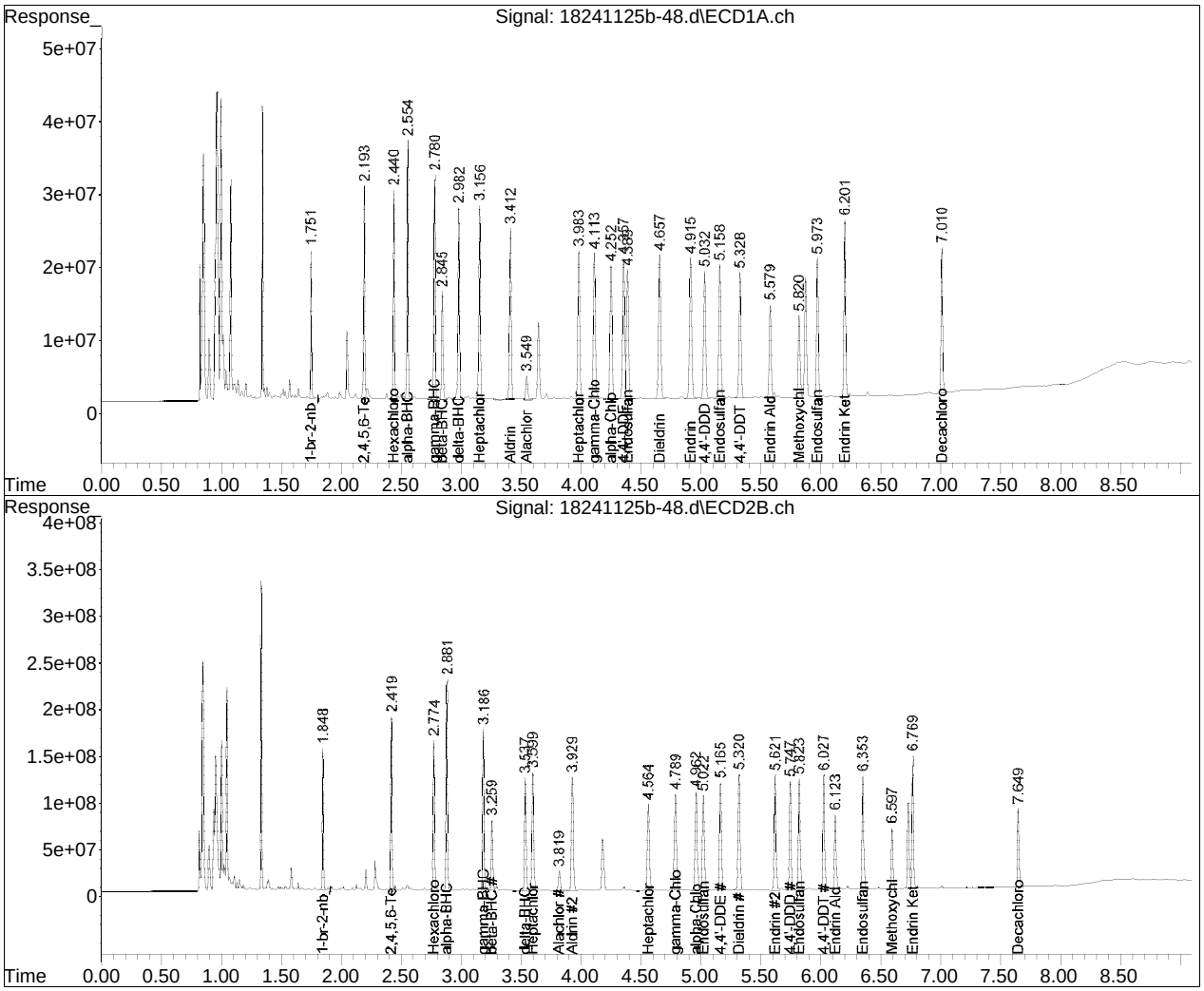
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only8\2024\241125b\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-48.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:34
Operator : PEST18:akm
Sample : WG2001430-4,42,, ms
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:20 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

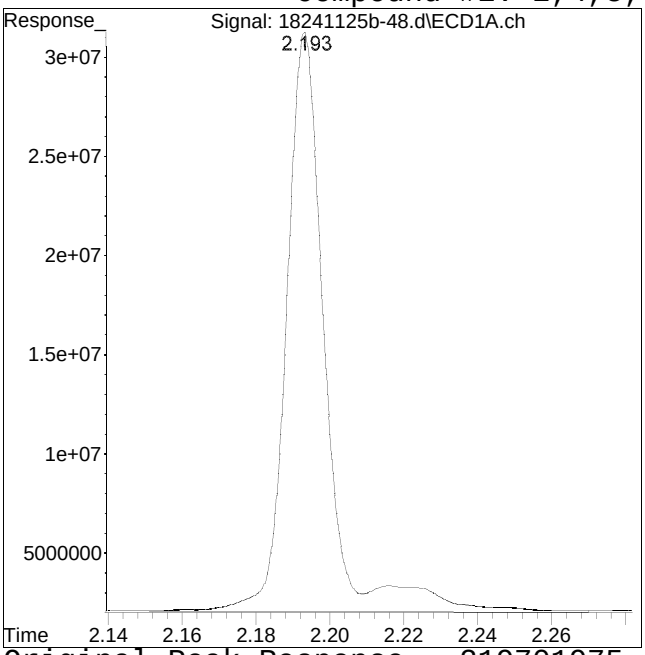
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

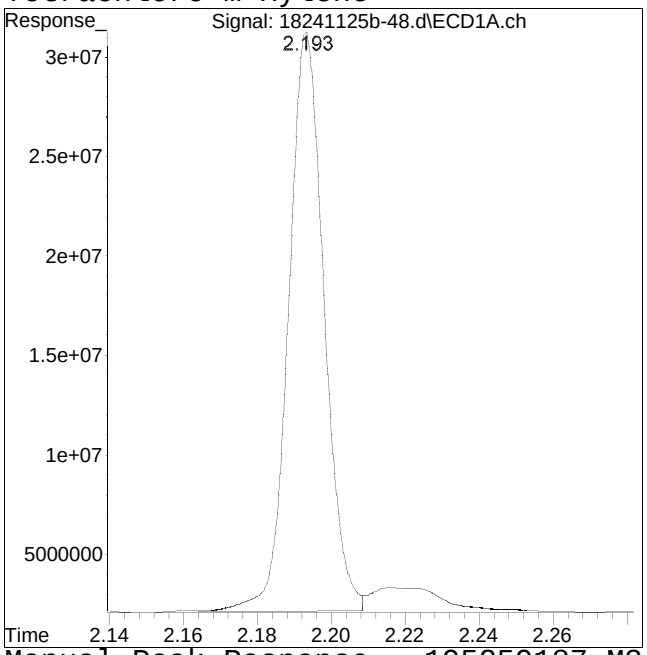


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



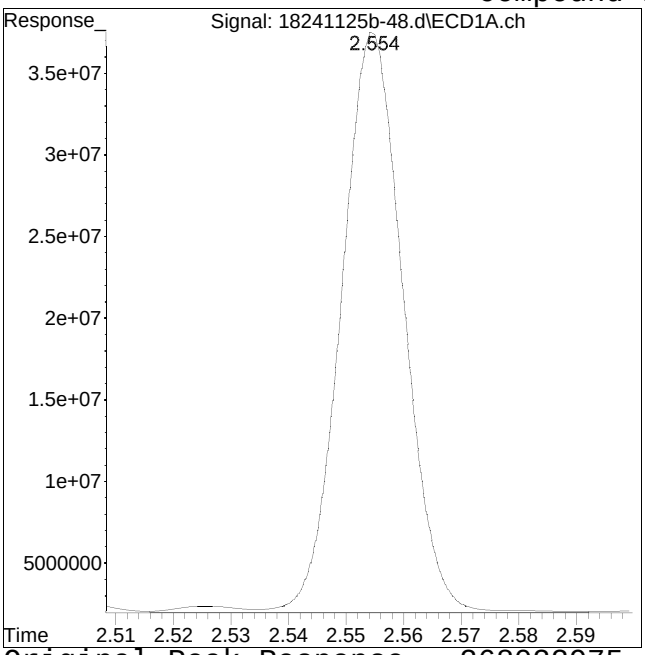


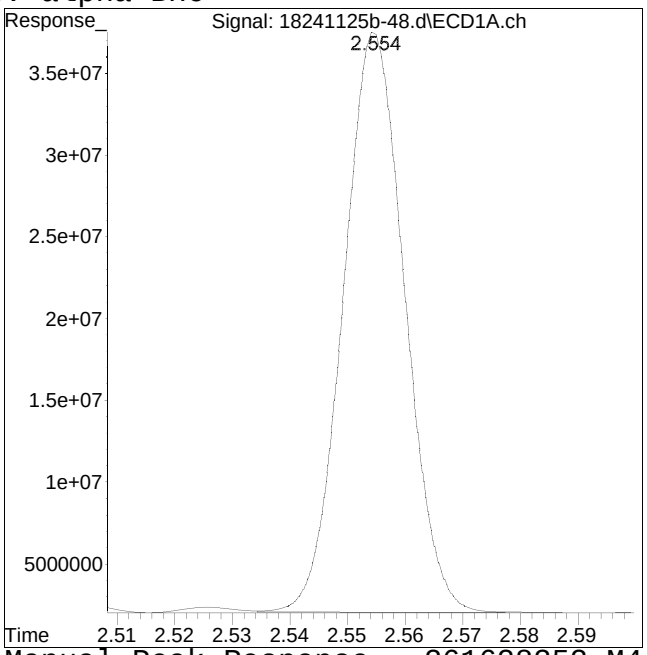
Original Peak Response = 219701975 Manual Peak Response = 195259187 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #4: alpha-BHC



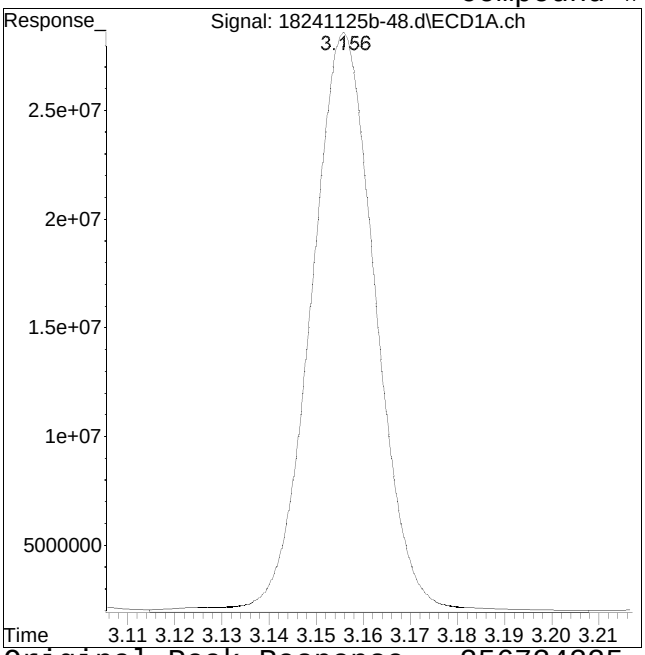


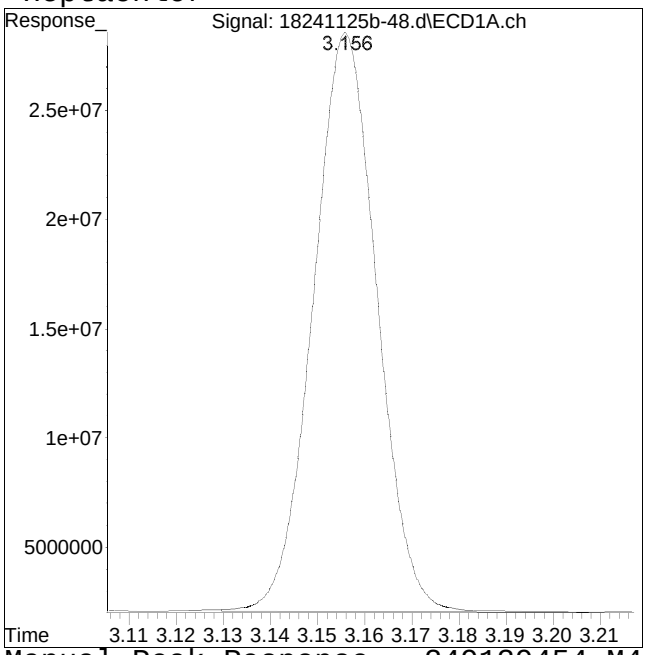
Original Peak Response = 268022975 Manual Peak Response = 261628352 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #8: Heptachlor



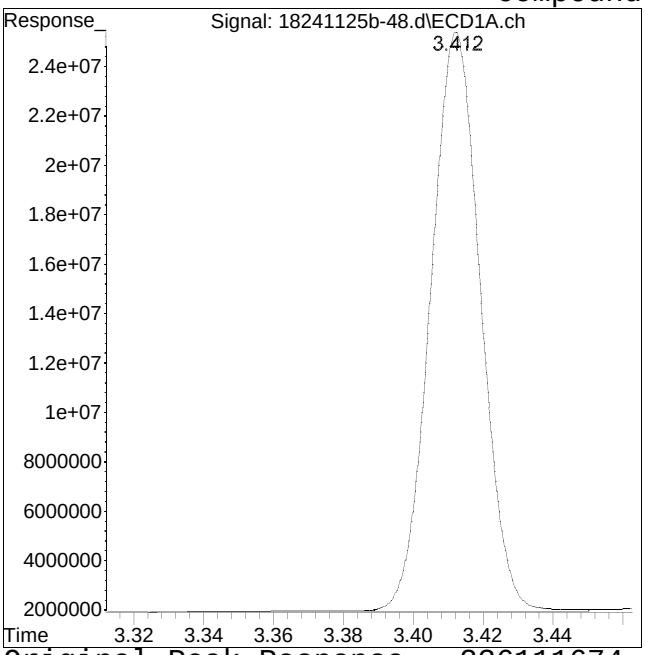


Original Peak Response = 256734325 Manual Peak Response = 249139454 M4
M4 = Poor automated baseline construction.

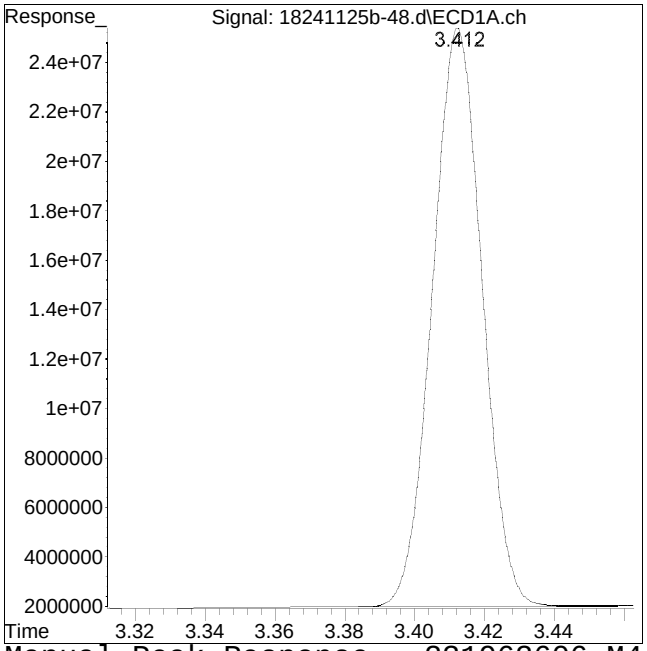
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #9: Aldrin



Original Peak Response = 236111674



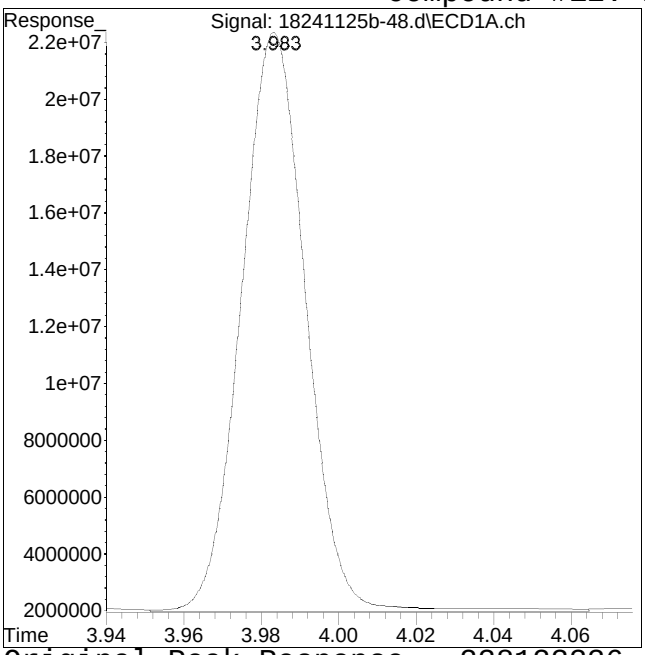
Manual Peak Response = 231963606 M4

M4 = Poor automated baseline construction.

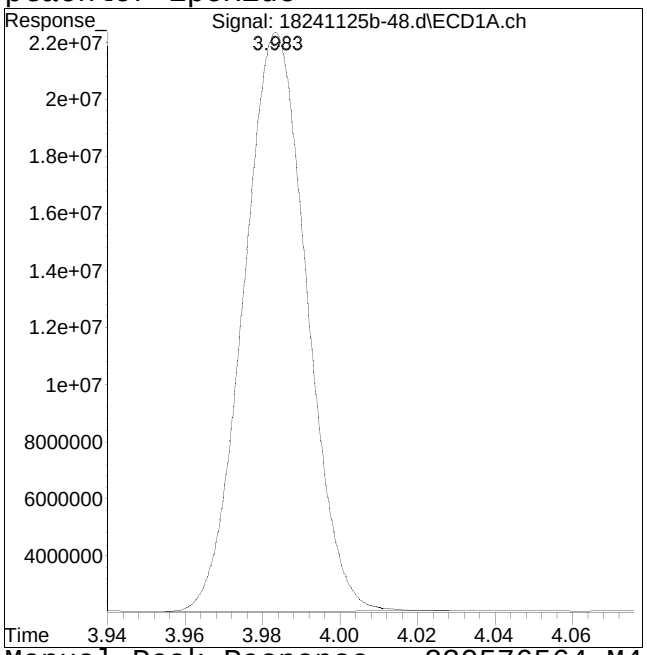
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 238123336



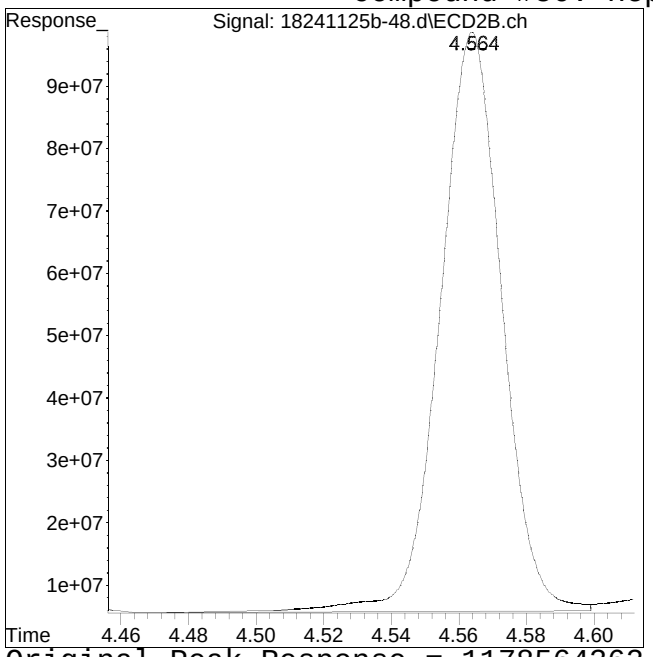
Manual Peak Response = 230576564 M4

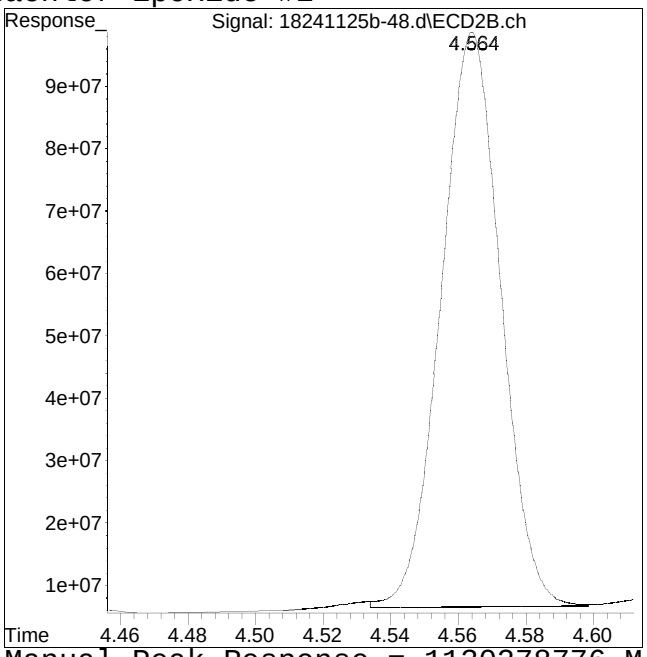
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #50: Heptachlor Epoxide #2



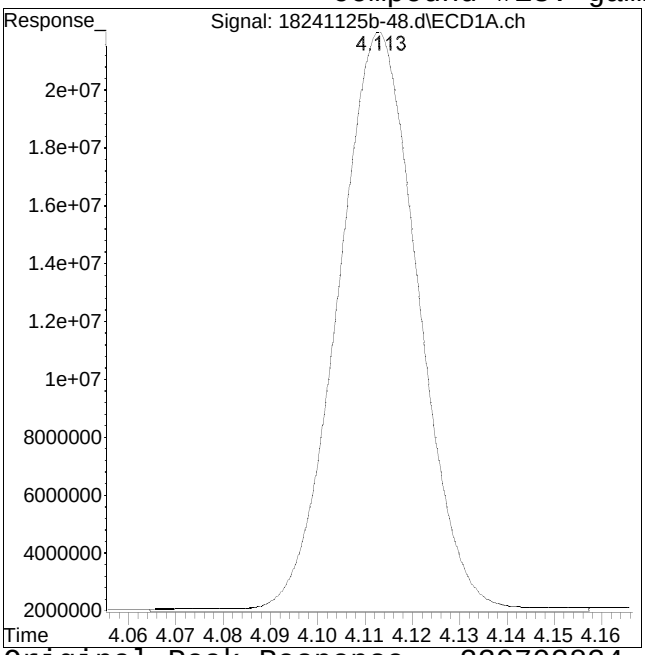


Original Peak Response = 1178564362 Manual Peak Response = 1130278776 M4
M4 = Poor automated baseline construction.

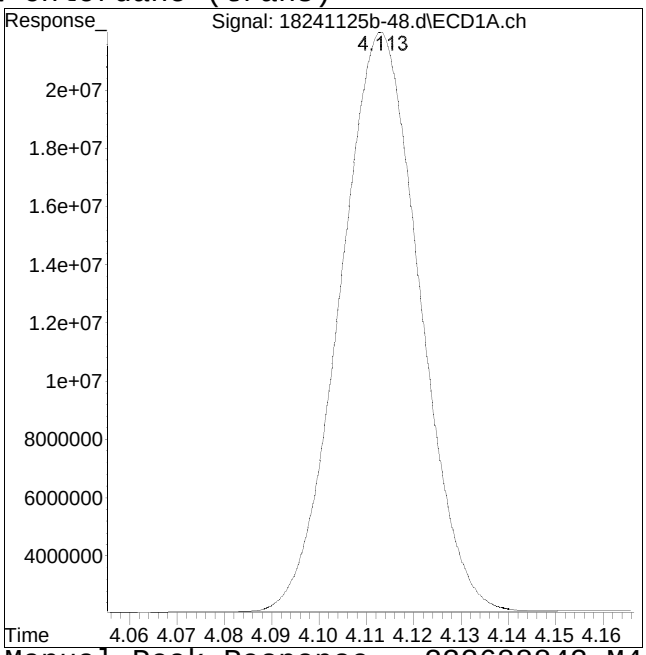
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 239703834



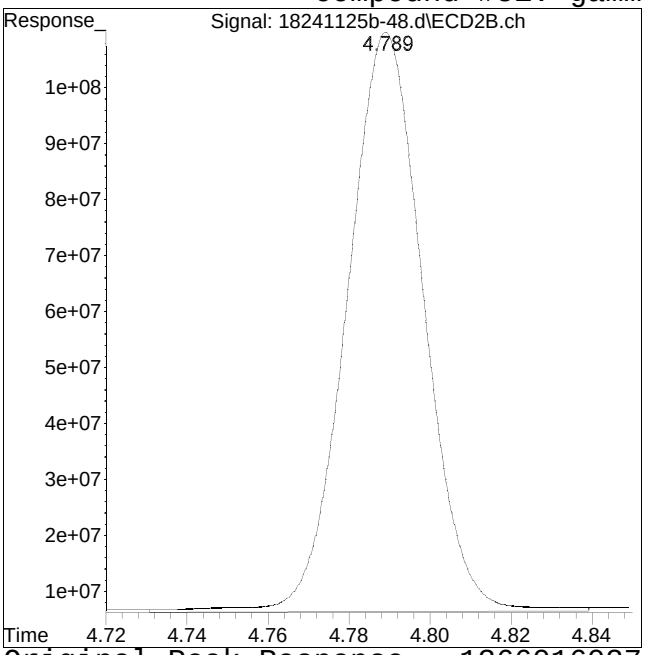
Manual Peak Response = 232688842 M4

M4 = Poor automated baseline construction.

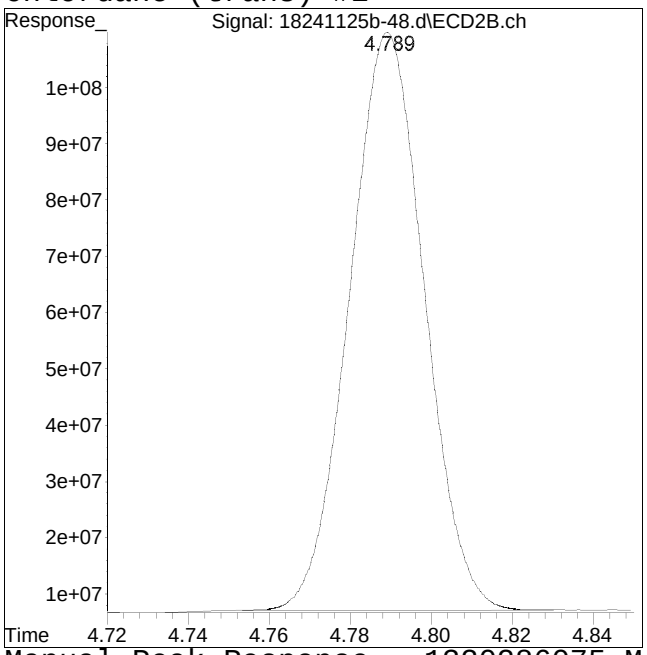
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 1366016027



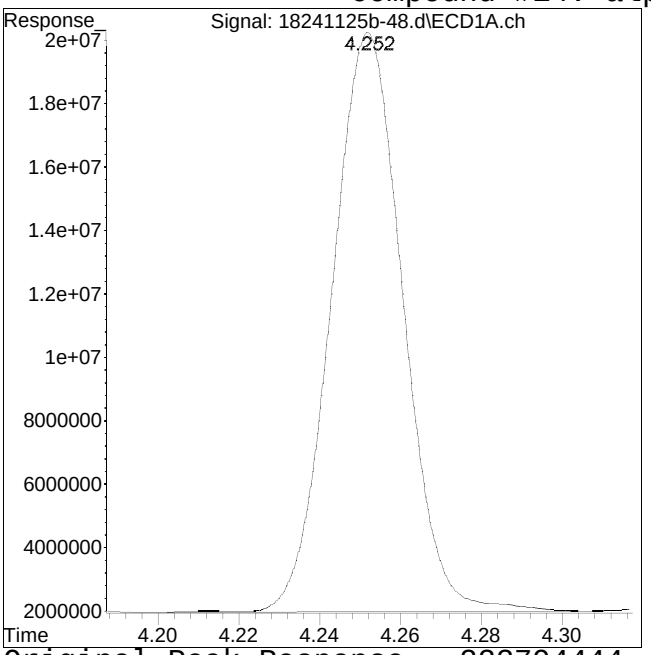
Manual Peak Response = 1320286075 M4

M4 = Poor automated baseline construction.

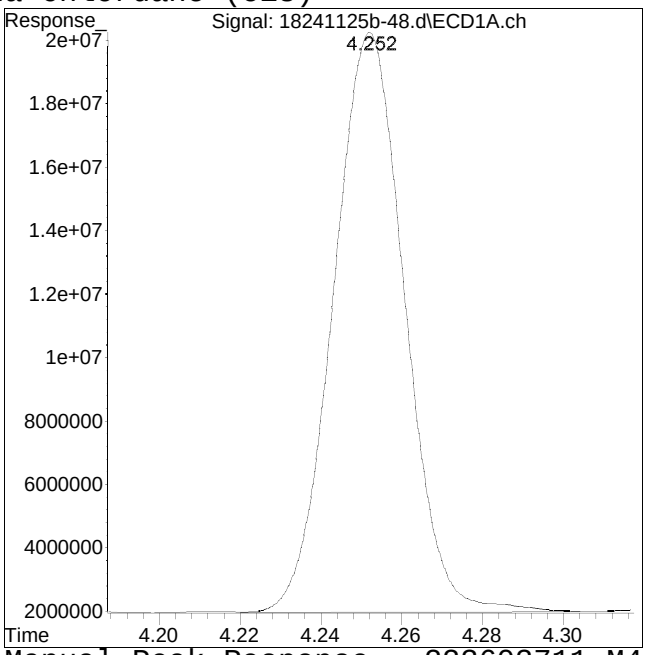
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 223794444



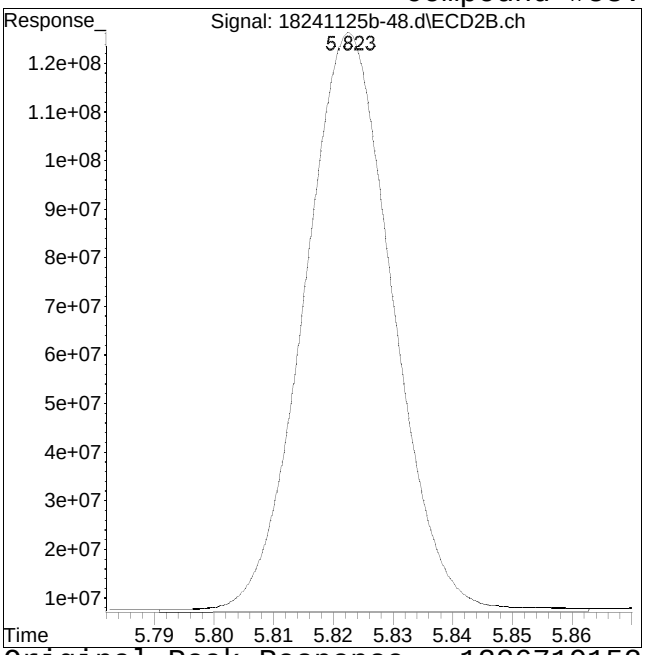
Manual Peak Response = 223603711 M4

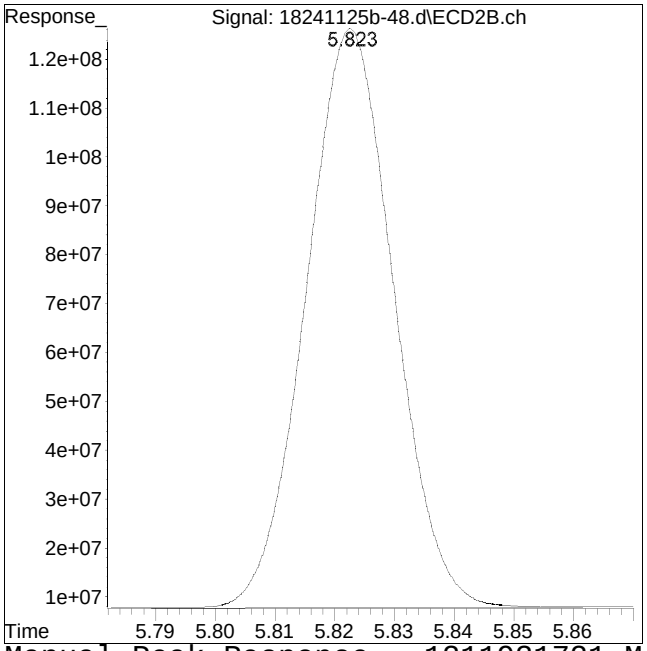
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #58: Endosulfan II #2



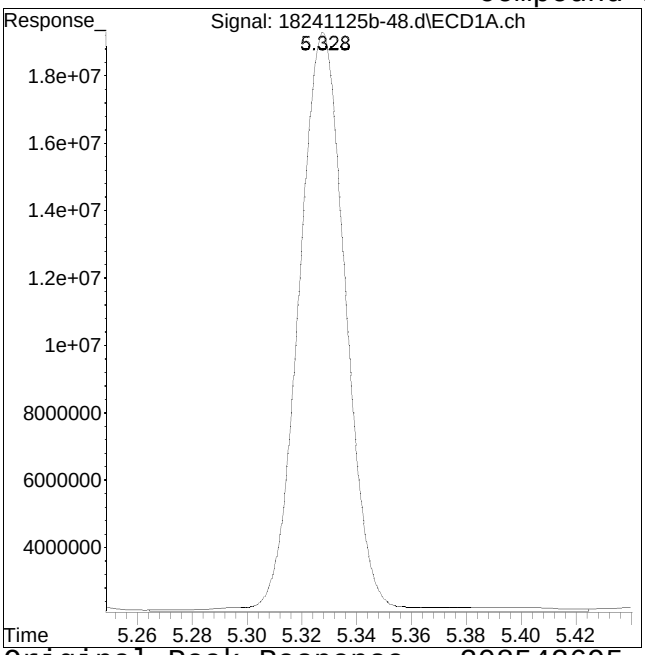


Original Peak Response = 1236719152 Manual Peak Response = 1211931721 M4
M4 = Poor automated baseline construction.

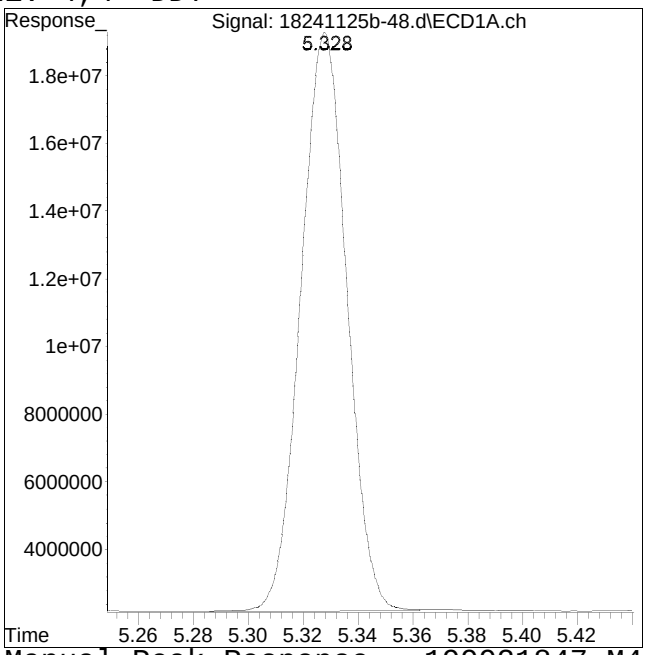
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #21: 4,4'-DDT



Original Peak Response = 208542695



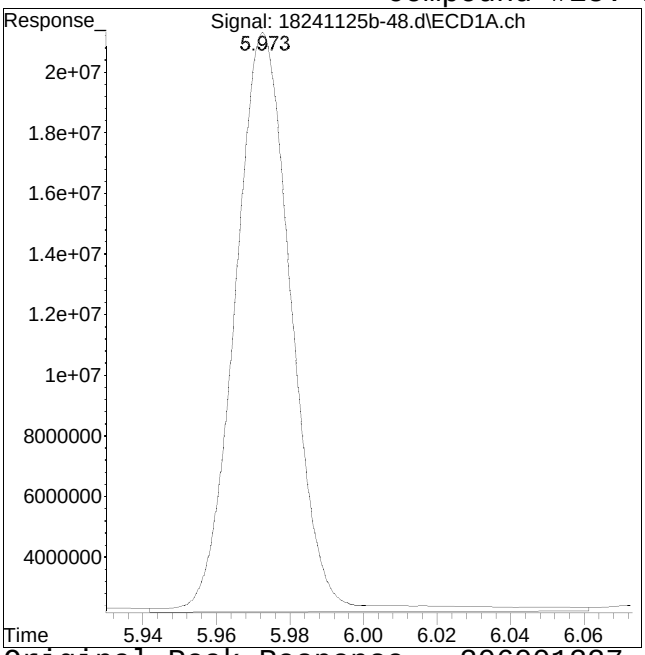
Manual Peak Response = 199921847 M4

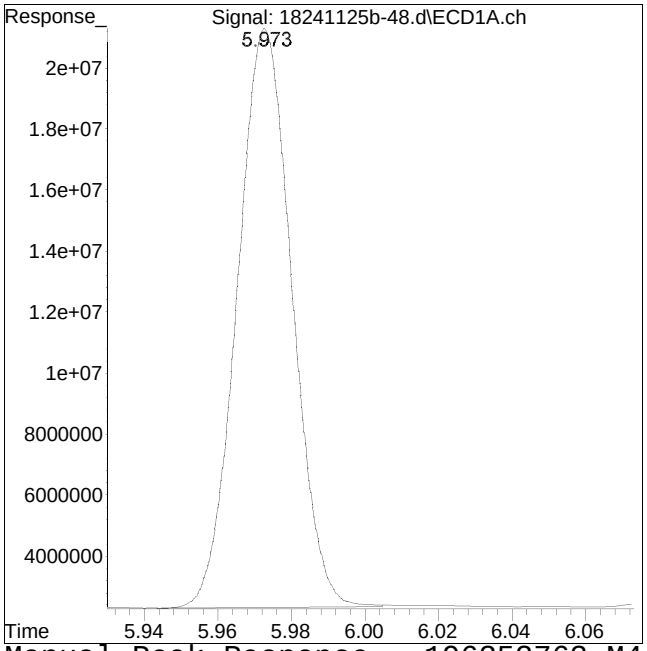
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-48.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:34 Instrument : Pest 18
Sample : WG2001430-4,42,, ms Quant Date : 11/26/2024 7:38 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 206001327 Manual Peak Response = 196353763 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-49.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:46
Operator : PEST18:akm
Sample : WG2001430-5,42,, msd
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:23 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.750	1.848	108.8E6	753.2E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 98702682				Recovery = 110.23%		
	Standard Area 1 : #2 = 692996124				Recovery = 108.68%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.193	2.420	186.3E6	1197.5E6	33.418	37.222
	Spiked Amount 50.000	Range 30 - 150		Recovery = 66.84%		74.44%	
27) s	Decachlorobi	7.009	7.648	180.9E6	744.9E6	33.155	31.743
	Spiked Amount 50.000	Range 30 - 150		Recovery = 66.31%		63.49%	
Target Compounds							
4)	alpha-BHC	2.554	2.881	245.5E6	1521.4E6	35.876	34.058
5)	gamma-BHC (l	2.780	3.187	227.9E6	1385.4E6	38.168	31.960
6)	beta-BHC	2.845	3.260	115.9E6	630.7E6	35.177	32.514
7)	delta-BHC	2.982	3.538	208.3E6	1094.7E6	33.048	26.227
8)	Heptachlor	3.155	3.600	227.4E6	1247.3E6	36.576M4	31.268
9)	Aldrin	3.412	3.930	212.3E6	1243.1E6	34.389M4	33.570
12)	Heptachlor E	3.983	4.563	219.4E6	1086.8E6	36.971	29.697M4
13)	gamma-Chlord	4.112	4.789	213.7E6	1218.3E6	37.126M4	36.826
14)	alpha-Chlord	4.251	4.962	208.4E6	1195.1E6	32.765	32.114
15)	4,4'-DDE	4.357	5.165	214.9E6	1220.3E6	34.792	34.127
16)	Endosulfan I	4.389	5.023	198.4E6	1148.4E6	34.623	32.951
17)	Dieldrin	4.657	5.320	233.2E6	1290.8E6	38.666	36.735M3
18)	Endrin	4.915	5.621	222.4E6	1205.3E6	37.307	33.626
19)	4,4'-DDD	5.032	5.747	192.3E6	1062.7E6	39.585	35.586M4
20)	Endosulfan I	5.158	5.823	196.6E6	1103.7E6	37.607	35.422
21)	4,4'-DDT	5.327	6.027	191.4E6	1082.6E6	36.834	32.653
22)	Endrin Aldeh	5.578	6.123	129.7E6	723.2E6	30.674	27.708
23)	Methoxychlor	5.819	6.596	114.1E6	564.4E6	37.372	34.251
25)	Endosulfan S	5.972	6.353	180.5E6	1045.3E6	35.737	33.456

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-49.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:46
Operator : PEST18:akm
Sample : WG2001430-5,42,, msd
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:23 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 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\Pest18\2024\241125b\18241125b-39.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
26) Endrin Keton	6.200	6.768	220.0E6	1178.0E6	37.543	35.250
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

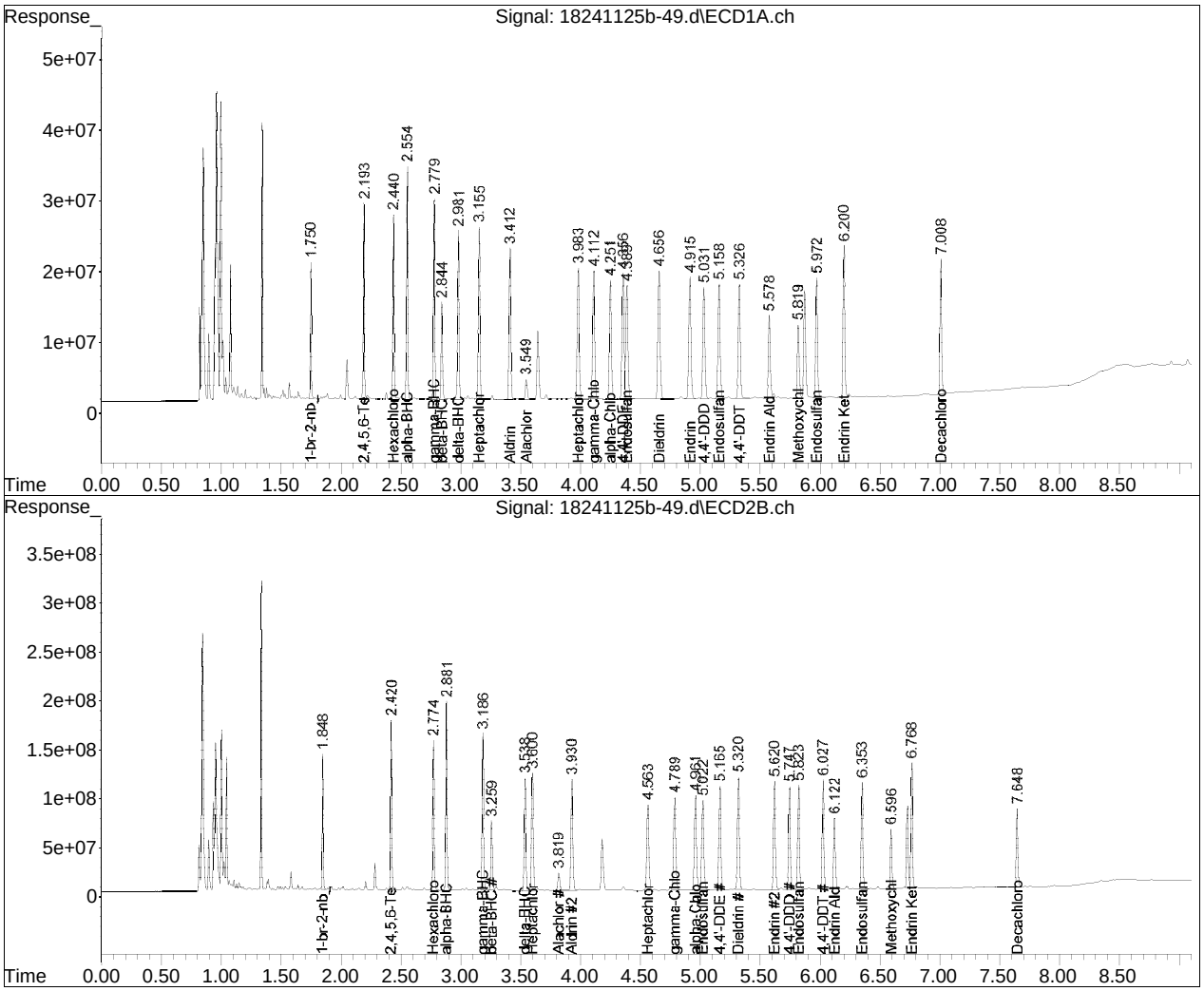
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only8\2024\241125b\18241125b-39.d•

Data Path : I:\PEST\Pest18\2024\241125b\
Data File : 18241125b-49.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Nov 2024 4:46
Operator : PEST18:akm
Sample : WG2001430-5,42,, msd
Misc : WG2002247,WG2001430,ical21663
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 26 07:38:23 2024
Quant Method : I:\PEST\Pest18\2024\241125b\pest18_2024_11_01_ugL_ICAL21663.m
Quant Title : pest
QLast Update : Mon Nov 25 08:42:00 2024
Response via : Initial Calibration
Integrator: ChemStation

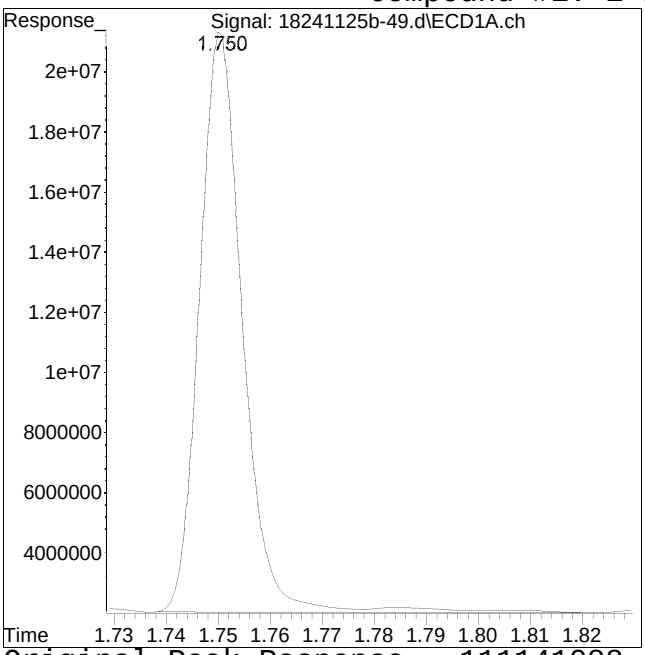
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



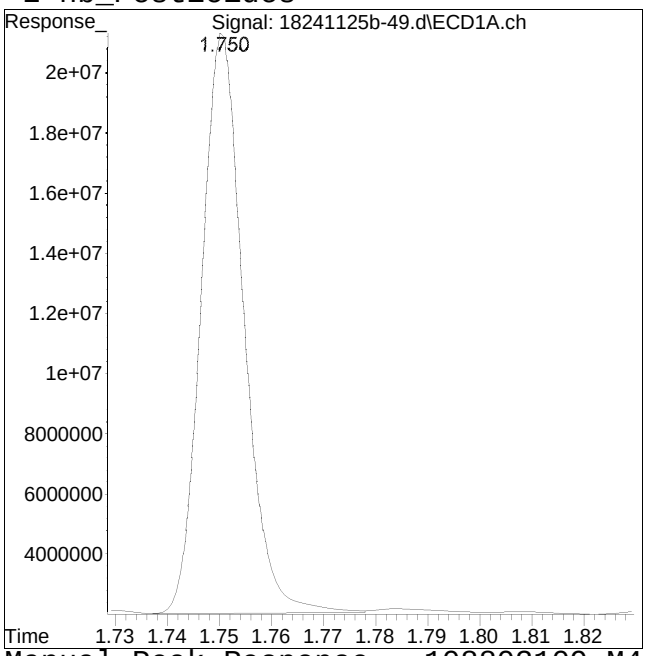
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-49.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:46 Instrument : Pest 18
Sample : WG2001430-5,42,, msd Quant Date : 11/26/2024 7:38 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 111141088



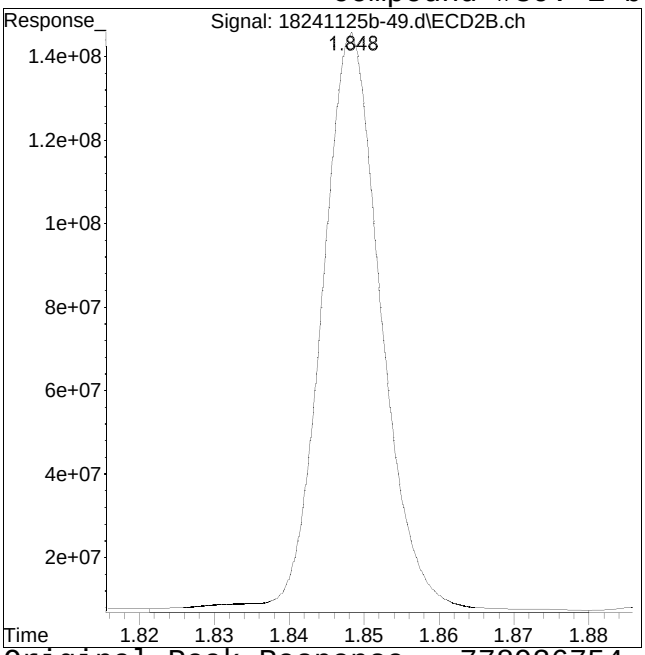
Manual Peak Response = 108803109 M4

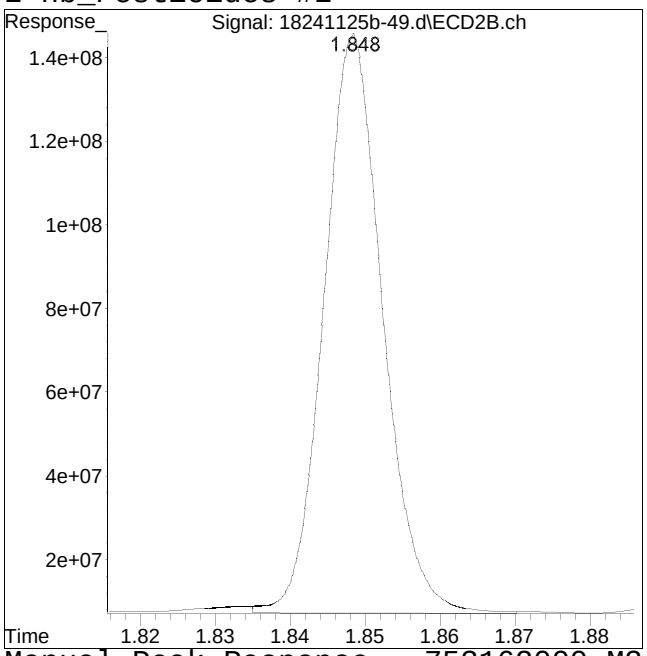
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-49.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:46 Instrument : Pest 18
Sample : WG2001430-5,42,, msd Quant Date : 11/26/2024 7:38 am

Compound #39: 1-br-2-nb_Pesticides #2



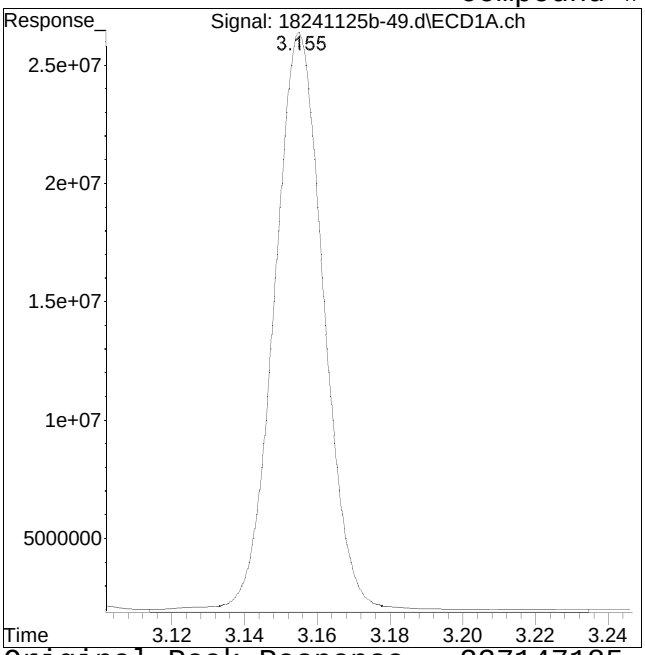


Original Peak Response = 778936754 Manual Peak Response = 753162000 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

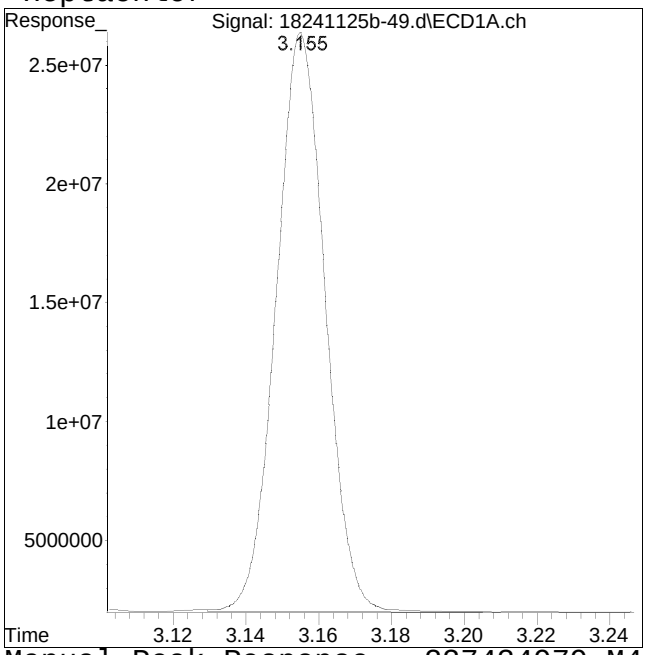
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-49.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:46 Instrument : Pest 18
Sample : WG2001430-5,42,, msd Quant Date : 11/26/2024 7:38 am

Compound #8: Heptachlor



Original Peak Response = 237147185



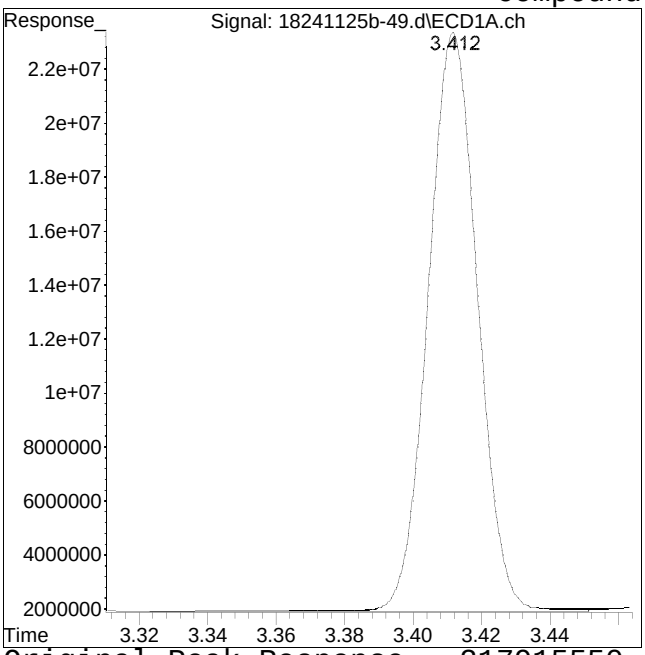
Manual Peak Response = 227434979 M4

M4 = Poor automated baseline construction.

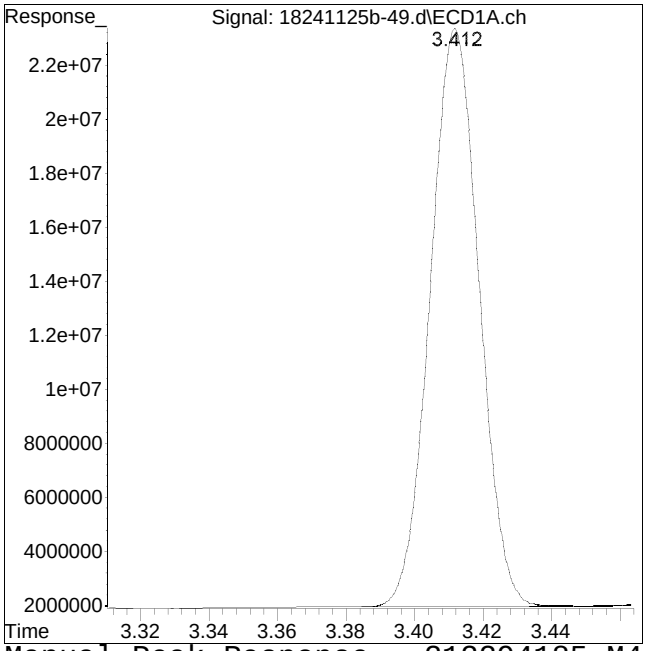
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-49.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:46 Instrument : Pest 18
Sample : WG2001430-5,42,, msd Quant Date : 11/26/2024 7:38 am

Compound #9: Aldrin



Original Peak Response = 217915550



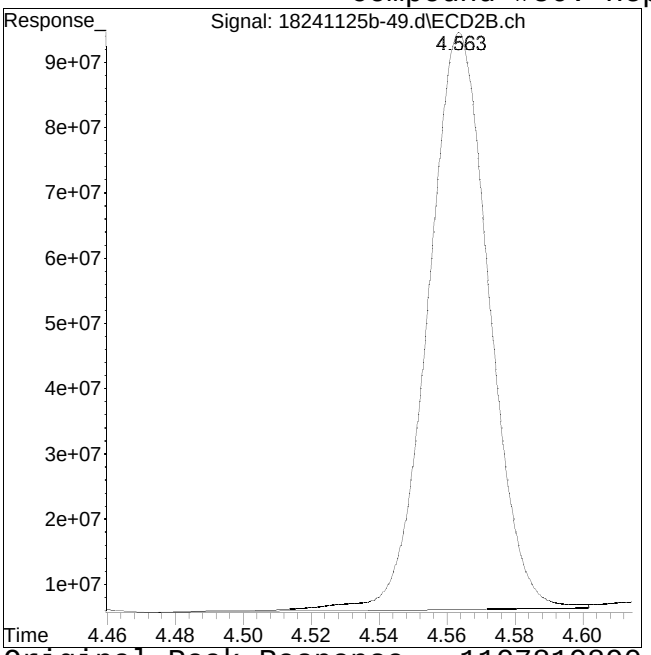
Manual Peak Response = 212294185 M4

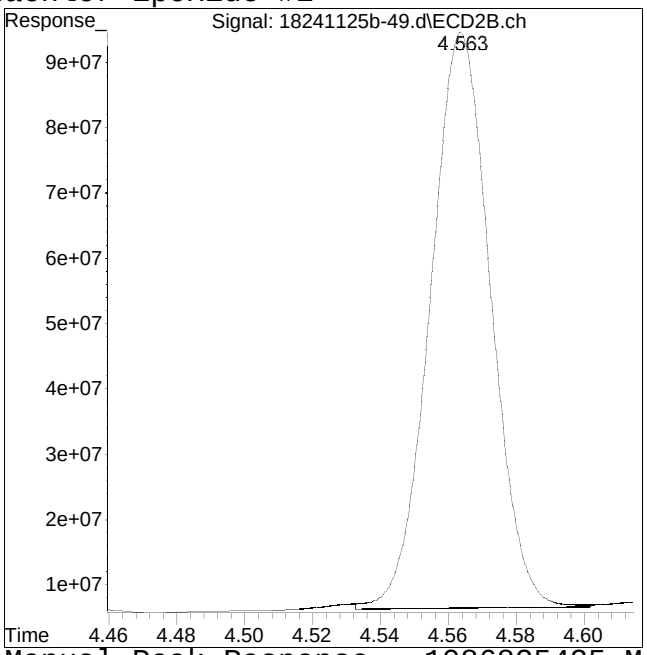
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-49.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:46 Instrument : Pest 18
Sample : WG2001430-5,42,, msd Quant Date : 11/26/2024 7:38 am

Compound #50: Heptachlor Epoxide #2



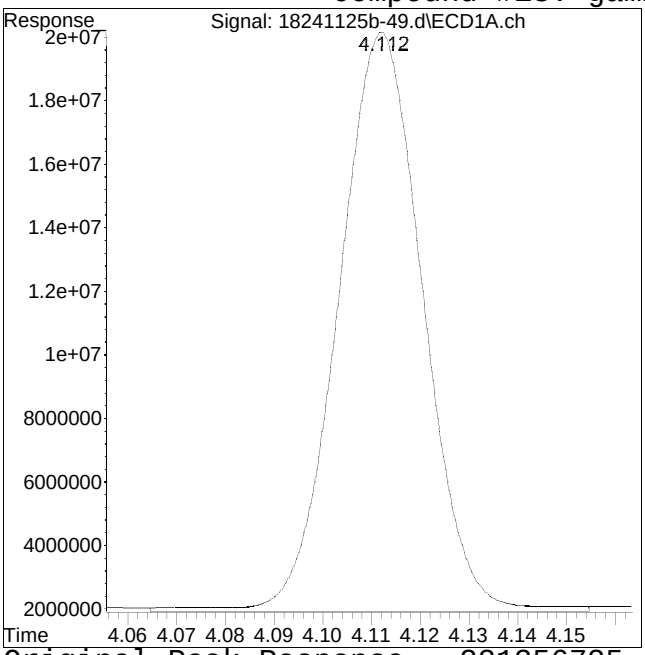


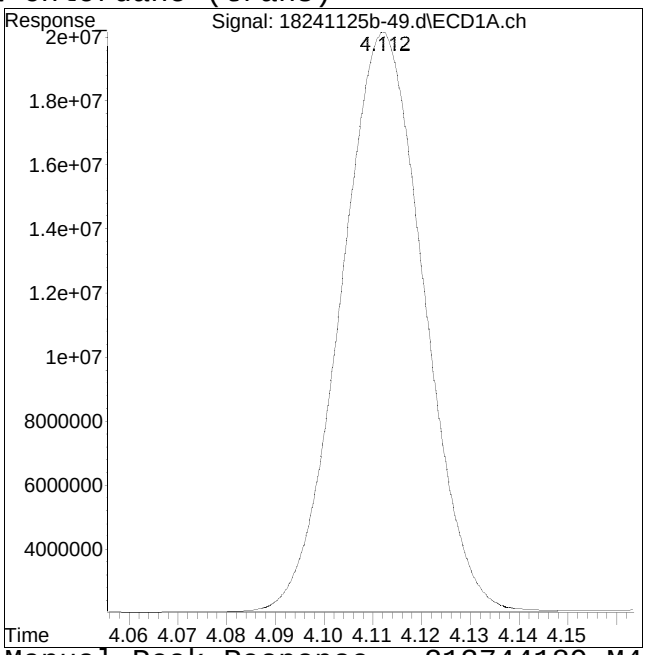
Original Peak Response = 1107819890 Manual Peak Response = 1086825425 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-49.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:46 Instrument : Pest 18
Sample : WG2001430-5,42,, msd Quant Date : 11/26/2024 7:38 am

Compound #13: gamma-Chlordane (trans)



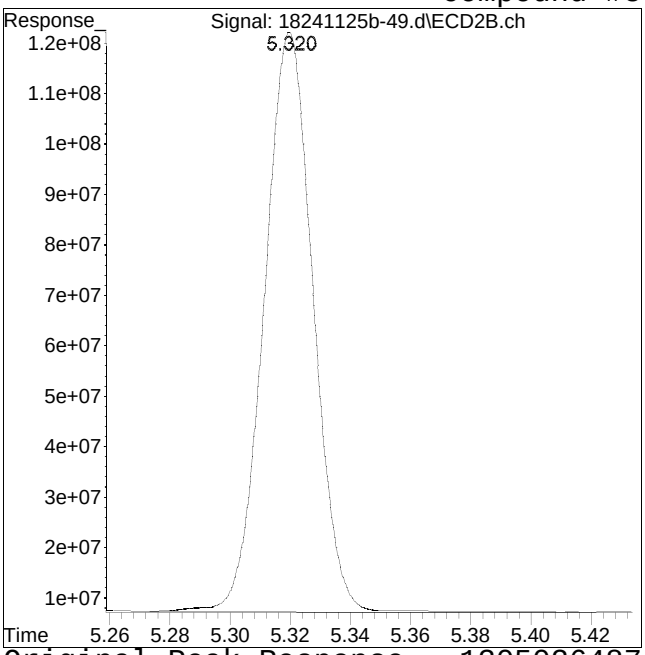


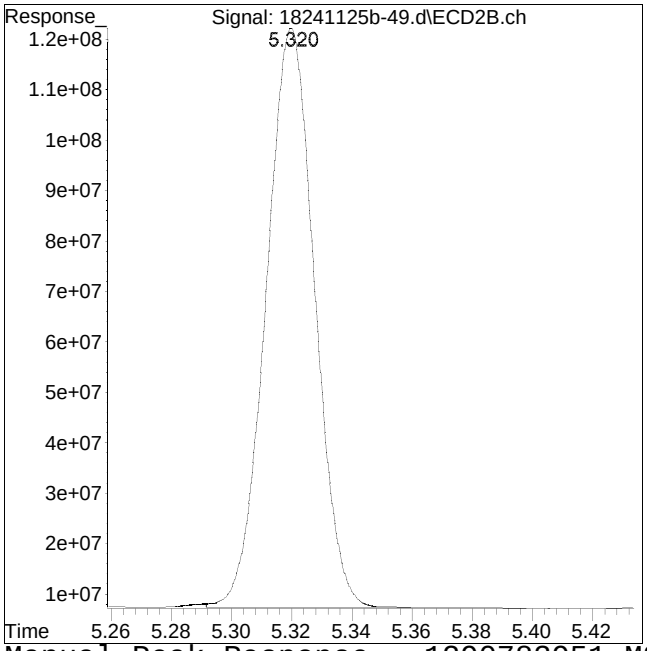
Original Peak Response = 221356725 Manual Peak Response = 213744189 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-49.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:46 Instrument : Pest 18
Sample : WG2001430-5,42,, msd Quant Date : 11/26/2024 7:38 am

Compound #55: Dieldrin #2



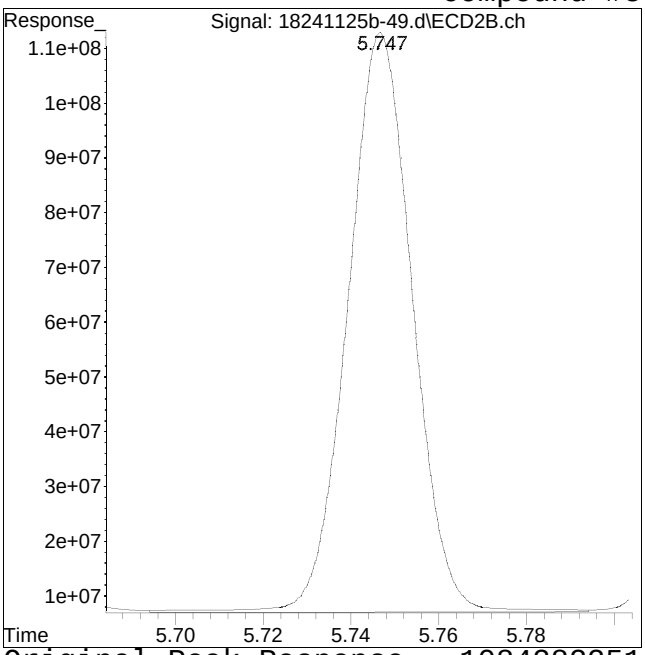


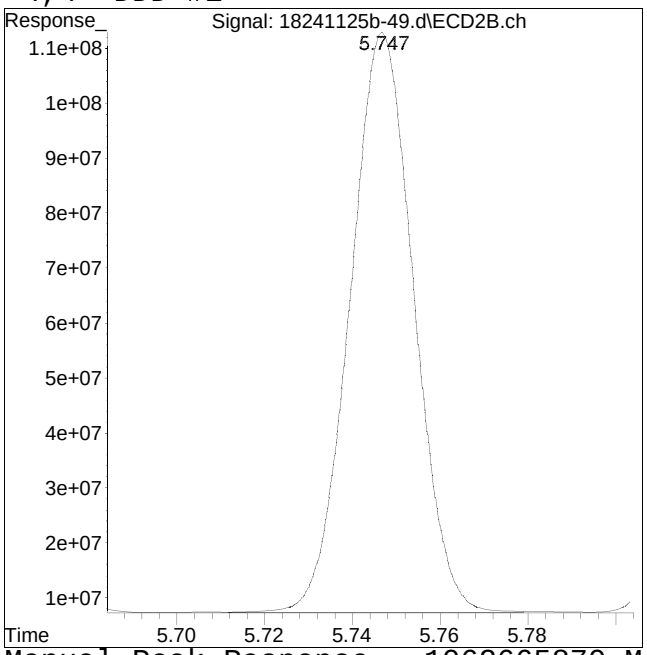
Original Peak Response = 1305026487 Manual Peak Response = 1290783951 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\241125QMethod : pest18_2024_11_01_ugL_IC
Data File : 18241125b-49.d Operator : PEST18:akm
Date Inj'd : 11/26/2024 4:46 Instrument : Pest 18
Sample : WG2001430-5,42,, msd Quant Date : 11/26/2024 7:38 am

Compound #57: 4,4'-DDD #2





Original Peak Response = 1084282251 Manual Peak Response = 1062665870 M4
M4 = Poor automated baseline construction.

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.: PEST
Inst: PEST_18
Date: **11/04/24**
Run: ical

Method
GC: pest

Seq: WG1993322
IS: pp11739

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	18241104i-01	blank,42e,,pp 11739 -				
1	18241104i-02	blank,42e,,pp 11739 -				
2	18241104i-03	pem-01,42e,,pp 11573 -				KAB 11/5
3	18241104i-04	il1pest,42e,,pp 11879 L0.0005				KAB 11/5
4	18241104i-05	il2pest,42e,,pp 11879 L0.001				KAB 11/5
5	18241104i-06	il3pest,42e,,pp 11879 L0.002				KAB 11/5
6	18241104i-07	il4pest,42e,,pp 11879 L0.003				KAB 11/5
7	18241104i-08	il5pest,42e,,pp 11879 L0.004				KAB 11/5
8	18241104i-09	il7pest,42e,,pp 11879 L0.01				KAB 11/5
9	18241104i-10	il8pest,42e,,pp 11879 L0.05				KAB 11/5
10	18241104i-11	il9pest,42e,,pp 11879 L0.1				KAB 11/5
11	18241104i-12	il10pest,42e,,pp 11879 L0.2				KAB 11/5
12	18241104i-13	il11pest,42e,,pp 11879 L0.4				KAB 11/5
13	18241104i-14	cicvpest,42e,,pp 11868 L0.05ICV				KAB 11/5
14	18241104i-15	il2chlor,42e,,pp 11877 L0.005	Not used			KAB 11/5
15	18241104i-16	il3chlor,42e,,pp 11877 L0.01				KAB 11/5
16	18241104i-17	il4chlor,42e,,pp 11877 L0.02				KAB 11/5
17	18241104i-18	il5chlor,42e,,pp 11877 L0.1				KAB 11/5
18	18241104i-19	il7chlor,42e,,pp 11877 L0.5				KAB 11/5
19	18241104i-20	il8chlor,42e,,pp 11877 L1.0				KAB 11/5
20	18241104i-21	il9chlor,42e,,pp 11877 L2.0				KAB 11/5
21	18241104i-22	il10chlor,42e,,pp 11877 L5.0	Not used			KAB 11/5
22	18241104i-23	cicvchlor,42e,,pp 11816 L1.0ICV				KAB 11/5
23	18241104i-24	il3tox,42e,,pp 11878 L0.02				KAB 11/5
24	18241104i-25	il4tox,42e,,pp 11878 L0.1				KAB 11/5
25	18241104i-26	il7tox,42e,,pp 11878 L1.0				KAB 11/5
26	18241104i-27	il8tox,42e,,pp 11878 L2.0				KAB 11/5
27	18241104i-28	il9tox,42e,,pp 11878 L5.0				KAB 11/5
28	18241104i-29	cicvtox,42e,,pp 11851 L2.0ICV			ss	KAB 11/5

Dep.: PEST
Inst: PEST_18
Date: **11/25/24**
Run: b

Method
GC: pest

Seq: wg2002247
IS: pp11739

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	18241125b-01	blank				
2	18241125b-02	deg11667 18:54				EJL 11/25
3	18241125b-03	pest11868 B: End.Ald low				EJL 11/25
4	18241125b-04	chlor11816 20%				EJL 11/25
5	18241125b-05	tox11851 A: 20%, B: IS high				EJL 11/25
6	18241125b-06	blank				
7	18241125b-07	L2467577-01,42,, p rc		EMR		AKM 11/26
8	18241125b-08	WG2001264-4,42,, ms rc				
9	18241125b-09	WG2001264-5,42,, dup rc				
10	18241125b-10	L2467577-02,42,, rc				AKM 11/26
11	18241125b-11	L2467628-01,42,, rc				AKM 11/26
12	18241125b-12	L2467628-02,42,, rc				AKM 11/26
13	18241125b-13	L2467628-03,42,, rc				AKM 11/26
14	18241125b-14	L2467628-04,42,, rc				AKM 11/26
15	18241125b-15	L2467628-05,42,, rc				AKM 11/26
16	18241125b-16	L2467628-06,42,, rc	20x a g t chlor dde ddt			
17	18241125b-17	L2467628-07,42,, rc	20x a g t chlor dde ddt			
18	18241125b-18	L2467628-08,42,, rc	10x a g t chlor dde ddt			
19	18241125b-19	L2467628-09,42,, rc	50x matrix			
20	18241125b-20	L2467628-10,42,, rc	20x a g t chlor dde ddt hepta epoxide			
21	18241125b-21	WG2001771-1,42,,				AKM 11/26
22	18241125b-22	WG2001771-2,42,,				AKM 11/26
23	18241125b-23	WG2001771-3,42,,				AKM 11/26
24	18241125b-24	L2467794-03,42,,				AKM 11/26
25	18241125b-25	L2467794-04,42,,				AKM 11/26
26	18241125b-26	L2467794-05,42,,				AKM 11/26
27	18241125b-27	L2467794-06,42,,				AKM 11/26
28	18241125b-28	L2467794-07,42,,				AKM 11/26
29	18241125b-29	L2467794-08,42,, p	rr			
30	18241125b-30	WG2001771-4,42,, ms	rr			
31	18241125b-31	WG2001771-5,42,, msd	no spike re-ext			
32	18241125b-32	WG2001730-1,42,,				AKM 11/26
33	18241125b-33	WG2001730-2,42,,				AKM 11/26
34	18241125b-34	WG2001730-3,42,,				AKM 11/26
35	18241125b-35	L2467925-01,42,,				AKM 11/26
36	18241125b-36	L2467925-02,42,, p				AKM 11/26
37	18241125b-37	WG2001730-4,42,, ms				AKM 11/26
38	18241125b-38	WG2001730-5,42,, msd				AKM 11/26
39	18241125b-39	pest11868 b: IS high				PEG 11/26
40	18241125b-40	WG2001430-1,42,,				AKM 11/26
41	18241125b-41	WG2001430-2,42,,	high			AKM 11/26
42	18241125b-42	WG2001430-3,42,,	high			AKM 11/26
43	18241125b-43	L2467934-01,42,,				AKM 11/26
44	18241125b-44	L2467934-02,42,,				AKM 11/26
45	18241125b-45	L2467934-03,42,,				AKM 11/26

Dep.: PEST
Inst: PEST_18
Date: **11/25/24**
Run: b

Method
GC: pest

Seq: wg2002247
IS: pp11739

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
46	18241125b-46	L2467934-04,42,,				AKM 11/26
47	18241125b-47	L2467934-05,42,, p				AKM 11/26
48	18241125b-48	WG2001430-4,42,, ms				AKM 11/26
49	18241125b-49	WG2001430-5,42,, msd				AKM 11/26
50	18241125b-50	L2467934-06,42,,				AKM 11/26
51	18241125b-51	L2467934-07,42,,				AKM 11/26
52	18241125b-52	L2467934-08,42,,				AKM 11/26
53	18241125b-53	L2467934-09,42,,				AKM 11/26
54	18241125b-54	L2467934-10,42,,				AKM 11/26
55	18241125b-55	L2468416-10,42,,				AKM 11/26
56	18241125b-56	L2468416-11,42,,				AKM 11/26
57	18241125b-57	L2468177-06,42,,,R3E t rv	t 22-NOV-24 06:00			AKM 11/26
58	18241125b-58	L2468177-07,42,,,R3E t rv	t 22-NOV-24 06:00. inj @ 06:35		ejl	AKM 11/26

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Nov 26 2024, 04:07 pm

Work Group: WG2001430 for Department: 2 Organic Preparation

Created: 23-NOV-24 Due: Operator: RET

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467934-01	MW-1S	S	NYTCL-8081	WATER	DONE	U	1125	1126	S0	Amber-A.120
L2467934-02	MW-2S	S	NYTCL-8081	WATER	DONE	U	1125	1126	S0	Amber-A.120
L2467934-03	MW-3S	S	NYTCL-8081	WATER	DONE	U	1125	1126	S0	Amber-A.120
L2467934-04	MW-4D	S	NYTCL-8081	WATER	DONE	U	1126	1126	S0	Amber-A.120
L2467934-05	MW-5S	S	NYTCL-8081	WATER	DONE	U	1126	1126	S0	Amber-A.120
L2467934-06	MW-6D	S	NYTCL-8081	WATER	DONE	U	1125	1126	S0	Amber-A.120
L2467934-07	MW-7S	S	NYTCL-8081	WATER	DONE	U	1125	1126	S0	Amber-A.120
L2467934-08	MW-8S	S	NYTCL-8081	WATER	DONE	U	1125	1126	S0	Amber-A.120
L2467934-09	DUP	S	NYTCL-8081	WATER	DONE	U	1125	1126	S0	Amber-A.120
L2467934-10	FIELD BLANK	S	NYTCL-8081	WATER	DONE	U	1125	1126	S0	Amber-A.120
L2468416-10	TWP-1	C	NYTCL-8081	WATER	DONE	U	1127	1127	S0	Amber-A.120
L2468416-11	TWP-2	C	NYTCL-8081	WATER	DONE	U	1127	1127	S0	Amber-A.120
WG2001430-1	Laboratory Method Bl	S	NYTCL-8081	WATER	DONE	U				
WG2001430-2	Laboratory Control S	S	NYTCL-8081	WATER	DONE	U				
WG2001430-3	LCS Duplicate	S	NYTCL-8081	WATER	DONE	U				
WG2001430-4	Matrix Spike	S	NYTCL-8081	WATER	DONE	U				
WG2001430-5	Matrix Spike Duplica	S	NYTCL-8081	WATER	DONE	U				

Comments:

WG2001430-3	WG2001430-2
WG2001430-4	L2467934-05
WG2001430-5	L2467934-05

ORGANIC ELN REPORT

Workgroup: WG2001430

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: Pesticide/PCB
Spike Type: Pesticide
Spike Verify by: RET | ARP
Lims Spikelot: PEST_LVI
Lot #: EJ507
Lot #: pp11857BO,03/30/2025,4L,5,1
Lot #: pp11882bb,05/07/2025

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EJ 522

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
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
L2467934-01 SAMP	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25		11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
L2467934-02 SAMP	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25		11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
L2467934-03 SAMP	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25		11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
L2467934-04 SAMP	11/24/24 04:43	Amanda Patterson	140	>5, <9	.25		11/24/24 11:10	Corey Lefebvre	1	C / A / #6
L2467934-05 SAMP	11/24/24 04:43	Amanda Patterson	140	>5, <9	.25		11/24/24 11:10	Corey Lefebvre	1	C / A / #6
L2467934-06 SAMP	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25		11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
L2467934-07 SAMP	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25		11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6

Reported: 26-NOV-24 04:07 PM

ORGANIC ELN REPORT

Workgroup: WG2001430

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
L2467934-08 SAMP	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25		11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
L2467934-09 SAMP	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25		11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
L2467934-10 SAMP	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25		11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
L2468416-10 WATER	11/24/24 04:43	Amanda Patterson	140	>5, <9	.25		11/24/24 11:10	Corey Lefebvre	1	C / A / #6
L2468416-11 WATER	11/24/24 04:43	Amanda Patterson	140	>5, <9	.25		11/24/24 11:10	Corey Lefebvre	1	C / A / #6
WG2001430-1 BLANK	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25		11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
WG2001430-2 LCS	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25	2.5	11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
WG2001430-3 LCSD	11/23/24 11:54	Ryan Trenholm	140	>5,<9	.25	2.5	11/24/24 00:35	Rabbi Kyei-Baffour	1	C/E/#6
WG2001430-4 MS	11/24/24 04:43	Amanda Patterson	140	>5, <9	.25	.25	11/24/24 11:10	Corey Lefebvre	1	C / A / #6

Reported: 26-NOV-24 04:07 PM

ORGANIC ELN REPORT

Workgroup: WG2001430

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
WG2001430-5 MSD	11/24/24 04:43	Amanda Patterson	140	>5, <9	.25	.25	11/24/24 11:10	Corey Lefebvre	1	C / A / #6

Reported: 26-NOV-24 04:07 PM