Sterling Environmental Engineering, P.C.

November 6, 2023

Mr. Matthew Hubicki
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Division of Environmental Remediation
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Email: matthew.hubicki@dec.ny.gov

Subject: Annual Groundwater Sampling and SSDS Inspection
New Paltz Plaza, New Paltz, NY
Site No. V00087/356021
STERLING File #2014-45

Dear Mr. Hubicki,

Sterling Environmental Engineering, P.C. (STERLING) performed annual groundwater sampling and inspected the sub-slab depressurization systems (SSDSs) at the New Paltz Plaza on August 22, 2023. The groundwater sampling and inspections were completed per the October 2014 approved Site Management Plan (SMP).

Groundwater levels were measured, and groundwater samples were collected from the five (5) site monitoring wells (MW-2, MW-9, MW-10, MW-11, and BR-2) per the SMP. A summary of the groundwater levels is provided in Table 1, and a groundwater contour map prepared using the measured water levels is presented in Figure 1. Groundwater samples were collected using low-flow purging and sampling methodology. Temperature, pH, Specific Conductivity, Oxidation Reduction Potential (ORP) and Dissolved Oxygen (DO) were measured in the field. Groundwater samples were collected once field parameters stabilized. Field monitoring forms are provided in Attachment 1.

Groundwater samples were analyzed for Volatile Organic Compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260 in accordance with the SMP. A duplicate sample was collected and analyzed from MW-10 for quality control.

Groundwater samples were analyzed by Alpha Analytical Laboratories, Inc. (Alpha). The results for VOCs detected at or above the laboratory reporting limit are summarized in Tables 2 through 6. Concentrations of total VOCs were consistent with historical concentrations with relatively minor variation. The laboratory analytical report is provided in Attachment 2. The groundwater analytical results and laboratory report will be included in the next Periodic Review Report (September 2025).

The SSDSs were inspected on August 22, 2023. SSDS inspection locations are displayed in Figure 2. The fan unit at the Tasteas store (former jewelry store) was found to be inoperable. The fan was replaced by a RadonAway Model HS5500 Fan and resumed operation on September 19, 2023. The results of the inspections are summarized on the inspection form in Attachment 3. All systems are operating properly and all maintenance/parts issues have been addressed.

Please contact me should you have any questions.

Best Regards,
STERLING ENVIRONMENTAL ENGINEERING, P.C.

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TMJ/bc
Via Email
Attachments: Tables 1 – 6
Figures 1 & 2
Attachments 1, 2 and 3

cc: P. Kempner

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TABLES

TABLE 1
Ground Water Elevations
Ground Water Monitoring Program
New Paltz Plaza

Well ID	Measuring Point Elevation	August 22, 2023	
		Depth to Water (ft.)	Water Level Elevation
MW-2	97.31	3.04	94.27
MW-9	92.04	2.94	89.10
MW-10	92.56	8.52	84.04
MW-11	92.52	9.55	82.97
BR-2	94.95	1.87	93.08

Notes:
1. Measuring point elevations are from 1/20/98 survey data, except for MW-11 and MW-12. MW-11 and MW-12 were surveyed on 8/30/2007. Elevations are relative to an arbitrary site datum of 100 feet.

2. Wells MW 1, MW-3, MW 4, MW 6, MW 7, MW 12, BR 1 and BR-4 were abandoned on December 4, 2014. Wells MW-2, MW-9, MW-10, MW-11 and BR-2 remain in place for continued monitoring.

3. Well BR-2 was repaired in 2021. Approximately 0.25 feet of steel casing was removed. Measuring Point Elevation is approximate.

TABLE 2

Well MW-2
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	12/91	9/94	2/5/1996	3/7/1996	3/19/1996	3/19/1996	3/22/1996	4/26/1996		2/7/1997	1/20/1998	5/14/1998	8/27/1998	12/4/1998		2/26/1999	2/26/1999	2/26/1999
Halogenated Volatile Organics																		
Vinyl Chloride	<1000	U	<500	<500	<200	<2,000	<500	<1,000		21	20	<10	10	13		<10	<10	11
cis-1,2-Dichloroethene	<500	600	<500	<500	420	<1,000	260	280		160	200	100	150	150		120	120	130
1,1,1-Trichloroethane	<500	<500	550	750	590	<1,000	270	300		160	130	20	47	30		18	18	20
Trichloroethene	1,400	<500	<500	<500	<200	<1,000	160	<200		120	140	53	150	150		87	87	86
Tetrachloroethene	3,100	7,600	21,000	31,000	21,000	21,000	13,000	15,000		9,100	5,600	2,100	4,500	3,600		2,700	2,700	2,700
1, 1-Dichloroethane	<500	U	<500	U	U	U	<100	<200		6	4.0	<10	5.1J	<10		<10	<10	2.3
1, 1-Dichloroethene	<500	U	<500	U	U	U	<100	<200		12	7.0	<10	<10	<10		<10	<10	1.5
trans-1, 2-Dichloroethene	<500	U	<500	U	U	U	<100	<200		<1.0	2.0	<10	<10	<10		<10	<10	1.0
1,1,1,2-Tetrachloroethane	NA	U	NA	U	U	U	NA	NA		4.1	<1.0	<10	<10	<10		<10	<10	<1.0
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA		NA	<1.0	<1.0
TOTAL VOCs	**4500**	**8200** (Dup)	**21550**	**31750** (Dup)	**22010**	**21000**	**13690**	**15580**		**9583.1**	**6103**	**2273**	**4862.1**	**3943**		**2925**	**2925**	**2951.8**

	8/2/2001	8/2/2001	11/6/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003	HRC Injection; November 2003	5/19/2004	11/16/2004	2/21/2005	8/30/2005	8/31/2006	HRC Injection; September 2006	12/14/2006	3/28/2007	6/21/2007
Halogenated Volatile Organics																		
Vinyl Chloride	31	25	<10	<10	<10	5.5	<10	5.6		60	19	37	110	620		40	37	67
cis-1,2-Dichloroethene	440	370	260	240	140	110	500	290		5200	53	87	370	1400		130	110	210
1,1,1-Trichloroethane	26	29	7.8J	7.1J	5.2J	20	13	29		20	<1.0	2.0	1.0	<1.0		1.0J	<5.0	<5.0
Trichloroethene	320	340	130	120	67	34	180	170		170	8.9	13	19	24		23	12	20
Tetrachloroethene	4,700	5,500	2,300	2,300	1,300	670	2,500	3,900		58	33	84	100	110		220	270	270
1, 1-Dichloroethane	<10	3.6	<10	<10	<10	1.2J	<10	<10		14	5.6	7.9	9.4	9		6	<5.0	5
1, 1-Dichloroethene	<10	3.5	<10	<10	<10	<2.0	<10	<10		7.0	<1.0	<1.0	0.51J	<1.0		<5.0	<5.0	<5.0
trans-1, 2-Dichloroethene	<10	3.5	<10	<10	<10	<2.0	<10	<10		34	8.6	8.2	14	24		9	6	7
1,1,1,2-Tetrachloroethane	<10	<10	<10	<10	<10	<2.0	<10	<10		<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5	<5.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	24	20	14	2.0J		7	7	18
TOTAL VOCs	**5517**	**6274.6**	**2697.8**	**2667.1**	**1512.2**	**840.7**	**3193**	**4394.6**		**5563**	**152.1**	**259.1**	**637.9**	**2189**		**436**	**442**	**597**

	8/30/2007	3/7/2008	9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014	4/5/2016		9/5/2017	11/20/2018	(DUP) 11/20/2018	11/14/2019	(DUP) 11/14/2019		9/2/2021	8/10/2022	8/22/2023
Halogenated Volatile Organics																		
Vinyl Chloride	56	20	300	11	120	160	240	260		470	800 E	640	350	400		120	580	350
cis-1,2-Dichloroethene	250	60	900	35	300	1200	1200	1800		1900	3100 E	2600	2600	3000		1600	3100	2500
1,1,1-Trichloroethane	<5.0	<5.0	<25.0	<5.0	<5.0	<50.0	<18	<50		<50	0.93 J	<62	<62	<62		<25	<50	<50
Trichloroethene	31	9	<25.0	<5.0	16	55	41	79		41	100	83	240	240		140	460	340
Tetrachloroethene	330	84	480	5.3	220	460	120	170		65	180	160	740	760		320	1000	870
1, 1-Dichloroethane	10	<5.0	<25.0	<5.0	2.9J	<50.0	<18	<50		<50	11	<62	<62	<62		<25	<50	<50
1, 1-Dichloroethene	<5.0	<5.0	<25.0	<5.0	<5.0	<10.0	<3.6	4.2 J		3.7 J	5.6	<12	<12	<12		<5.0	7.1 J	6 J
trans-1, 2-Dichloroethene	10	<5.0	<25.0	<5.0	5.9	<50.0	<18	14 J		24 J	24	25 J	<62	<62		10 J	23 J	21 J
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<25.0	<5.0	<5.0	<50.0	<3.6	<10		NA	NA	NA	NA	NA		<5.0	NA	NA
Chloroethane	16	13	<25.0	<10.0	<5.0	<50.0	<18	<50		<50	<2.5	<62	<62	<62		<25	<50	<50
TOTAL VOCs	**703**	**186**	**1680**	**51.3**	**664.8**	**1875**	**1601**	**2327.2**		**2503.7**	**4111.53**	**3508**	**3930**	**4400**		**2190**	**5170.1**	**4087**

Notes:
1. Results shown only for compounds which were detected at or above the laboratory practical quantitation limit (PQL).
2. U = Indicates the compound was analyzed, but not detected.
3. J = Indicates an estimated value less than the lowest standard.
4. NA = Sample not analyzed for indicated compound.
5. < = Compound was not detected at or above the given laboratory method detection limit.
6. All results are in micrograms per liter (ug/l, ppb).
7. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
8. D = Indicates a dilution of the sample was required for analysis.

TABLE 3

Well MW-9
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

Halogenated Volatile Organics	1/20/1998	5/13/1998	8/26/1998	(Dup) 8/26/1998	12/3/1998		2/25/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003
Vinyl Chloride	41	9.1	3.8	4.2	51		18	<1.0	13	6.1	4.8	5.1	6.4
trans-1,2-Dichloroethene	3.0	2.9	3.2	3.2	2.3		2.4	2.3	2.0	1.1	1.1	1.9	2.2
cis-1,2-Dichloroethene	700	420	340	360	410		480	220	160	89	130	140	260
1,1,1-Trichloroethane	1.0	<1.0	0.6J	<1.0	1.0J		0.7J	<1.0	0.71J	<1.0	<1.0	<1.0	<1.0
Trichloroethene	150	130	140	150	110		110	120	99	59	58	62	98
Tetrachloroethene	1,000	1,100	980	1100	870		870	830	890	460	400	350	630
Methylene Chloride	<1.0	<1.0	<1.0	1.0J	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	2.1		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	0.8J	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
TOTAL VOCs	**1895.8**	**1662**	**1467.6**	**1618.4**	**1446.4**		**1481.1**	**1172.3**	**1164.7**	**615.2**	**593.9**	**559.0**	**997**

Halogenated Volatile Organics	8/18/2004	2/21/2005	8/30/2005	8/31/2006	12/14/2006	HRC Injection; September 2006	3/28/2007	6/21/2007	8/30/2007	3/7/2008	9/25/2008	6/10/2009	6/9/2011
Vinyl Chloride	1.7	3.3	1.0	2.0J	16		5.0	8	12	<5.0	<10	<20	2.0J
trans-1,2-Dichloroethene	1.2	0.65J	0.76	2.0J	2.0J		<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0
cis-1,2-Dichloroethene	99	70	74	200	180		140	110	120	110	69	76	170
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<5.0		<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0
Trichloroethene	62	36	51	48	47		30	28	42	24	22	24	17
Tetrachloroethene	430	220	210	280	210		230	210	300	180	150	190	140
Methylene Chloride	<1.0	1.2	<1.0	<5.0	2.0JB		<5.0	<5.0	<5.0	<5.0	<10	<10	2.8J,B
Chloroethane	<1.0	<1.0	<1.0	<1.0	<5.0		<5.0	<5.0	<5.0	<5.0	<10	<20	<5.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<5.0		<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0
TOTAL VOCs	**594**	**331**	**337**	**532**	**457**		**405**	**356**	**474**	**314**	**241**	**290**	**331.8**

Halogenated Volatile Organics	4/3/2013	12/4/2014	4/5/2016	(Dup) 4/5/2016	9/5/2017	11/20/2018	11/14/2019	9/2/2021	8/10/2022	8/22/2023
Vinyl Chloride	1.2	3.2	0.77 J	0.92 J	27	26	28	17	17	12
trans-1,2-Dichloroethene	<2.5	<0.7	<2.5	<2.5	<5.0	1.1 J	0.90 J	2.6 J	2.3 J	2.2 J
cis-1,2-Dichloroethene	17	18	5.5	6.5	180	140	85	250	170	200
1,1,1-Trichloroethane	<2.5	<0.7	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<5.0
Trichloroethene	11	8.7	2.5	3.2	14	10	9	22	33	34
Tetrachloroethene	95	31	7.1	11	53	31	33	46	140	160
Methylene Chloride	<2.5	<0.7	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<5.0
Chloroethane	<2.5	<0.7	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<5.0
1,1-Dichloroethene	<0.5	<0.7	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	0.17 J	<1.0
TOTAL VOCs	**124.2**	**60.9**	**15.87**	**21.62**	**274**	**208.1**	**155.9**	**337.6**	**362.5**	**408.2**

Notes:
1. Results shown only for compounds which were detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. < = Compound was not detected at or above the laboratory method detection limit shown.
4. All results are in micrograms per liter (ug/l, ppb).
5. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
6. B = Indicates the compound was detected in the field blank sample or associated analysis batch blank.

TABLE 4

Well MW-10
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003	8/18/2004	2/21/2005	8/30/2005	8/31/2006	HRC Injection; September 2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	8/30/2007 (duplicate)	3/7/2008
Halogenated Volatile Organics																
Vinyl Chloride	2	1.5	0.9J	<1.0	0.8J	1.2	1.9	1.7	<1.0		31	24	29	53	56	<5.0
trans-1,2-Dichloroethene	2.4	1.8	1.6	3.5	2.3	2.8	2.7	2.3	<1.0		6	<5.0	<5.0	<5.0	<25	<5.0
cis-1,2-Dichloroethene	410	250	370	500	370	490	360	420	140		690	220	330	550	580	35
1,1,1-Trichloroethane	0.93 J	0.91J	0.7J	<1.0	<1.0	0.6J	<1.0	0.59J	<1.0		<5.0	<5.0	<5.0	<5.0	<25	<5.0
Trichloroethene	63	57	53	64	70	61	55	66	13		23	13	23	<5.0	<25	<5.0
Tetrachloroethene	620	420	450	470	460	600	350	380	97		70	66	67	80	75	11
1,1-Dichloroethene	0.63 J	<1.0	<1.0	<1.0	<1.0	0.6J	0.53J	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<25	<5.0
Chloroethane	<1.0	<1.0	0.5J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	7	29	<5.0	<25	<5.0
Aromatic Volatile Organics																
MTBE	NA	NA	1.1	<1.0	<1.0	<1.0	<1.0	NA	<1.0		<5.0	<5.0	<5.0	<5.0	<25	<5.0
TOTAL VOCs	**1099.0**	**731.2**	**877.8**	**1037.5**	**903.1**	**1156.2**	**770.1**	**870.6**	**250**		**820**	**330**	**478**	**683**	**711**	**46**

	9/25/2008	9/25/2008 (Dup)	6/10/2009	6/9/2011	4/3/2013	12/4/2014	9/5/2017	11/20/2018	11/14/2019	9/2/2021	8/10/2022	8/10/2022 (duplicate)	8/22/2023	8/22/2023 (duplicate)
Halogenated Volatile Organics														
Vinyl Chloride	<50	<25	96	26	6.6	5	0.43 J	<1.0	<1.0	0.10 J	<1	<1	1.1	1.2
trans-1,2-Dichloroethene	<50	<25	<25	3.1J	<12	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
cis-1,2-Dichloroethene	890	800	930	240	320	160	31	2.8	2.3 J	18	5.1	5.3	43	45
1,1,1-Trichloroethane	<50	<25	<25	<5.0	<12	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Trichloroethene	<50	26	30	15	15	14	4.2	1.1	0.86	2.8	1.9	1.9	3.7	4
Tetrachloroethene	84	90	130	78	66	47	16	2.9	2.5	3.5	3.4	3.2	3.6	3.6
1,1-Dichloroethene	<50	<25	<25	<5.0	<2.5	<0.36	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	<50	<25	<50	<5.0	<12	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Aromatic Volatile Organics														
MTBE	<50	<25	<25	<5.0	<12	<1.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
TOTAL VOCs	**974.0**	**916.0**	**1186**	**362.1**	**407.6**	**226.0**	**51.6**	**6.8**	**5.66**	**24.4**	**10.4**	**12.2**	**51.4**	**53.8**

Notes:
1. Results shown only for compounds which were detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. NA = Compound not analyzed.
5. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

TABLE 5

Well MW-11
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

	8/31/2006	HRC Injection; September 2006	12/14/2006	3/28/2007	6/21/2007	8/30/2007	3/7/2008	9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014	DUP 12/4/2014	4/5/2016	9/5/2017	11/20/2018	11/14/2019
Halogenated Volatile Organics																	
Vinyl Chloride	8.0		3.0J	8	<5.0	5	16	17	<10	6.9	1.2	2.7	2.6	0.8 J	5.6	1.0	0.26 J
trans-1,2-Dichloroethene	NA		1.0J	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1.1J	0.78 J	1.3 J	1.2 J	1.2 J	2.0 J	1.4 J	0.76 J
cis-1,2-Dichloroethene	140		35	54	16	17	84	140	160	240	130 E	110	110	120	180	100	61
Trichloroethene	6		3.0J	<5.0	<5.0	<5.0	5	6	9.1	4.7J	2.8	2.8	2.7	2.9	5.1	3.4	3.3
Tetrachloroethene	37		7	14	6	<5.0	18	14	17	3.5J	10	10	10	11	7.8	12	5.8
Methylene Chloride	<14		2JB	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.5J,B	<2.5	<0.70	<0.7	<2.5	<5.0	<2.5	<2.5
TOTAL VOCs	**191**		**51**	**76**	**22**	**22**	**123**	**177**	**186.1**	**258.7**	**144.8**	**126.8**	**126.5**	**135.9**	**200.5**	**117.8**	**71.1**

	9/2/2021	8/10/2022	8/22/2023
Vinyl Chloride	0.49 J	0.68 J	0.78 J
trans-1,2-Dichloroethene	1.1 J	1.1 J	1.1 J
cis-1,2-Dichloroethene	79	72	66
Trichloroethene	3.4	5.7	5.2
Tetrachloroethene	11	11	6.1
Methylene Chloride	<2.5	<2.5	<2.5
TOTAL VOCs	**95.0**	**90.5**	**79.2**

Notes:
1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. All results are in micrograms per liter (ug/l, ppb).
3. Compound was not detected at or above the laboratory method detection limit shown.
4. NA = Compound not analyzed.
5. B = Indicates the compound was detected in the field blank sample or associated analysis batch blank.
6. J = Indicates an estimated value less than the lowest standard.
7. < = Coumpound was not detected at or above the laboratory method detection limit.

TABLE 6

Well BR-2
Summary of Ground Water Sampling Analytical Results
Volatile Organic Compounds
Revonak Dry Cleaners Site No. 356021

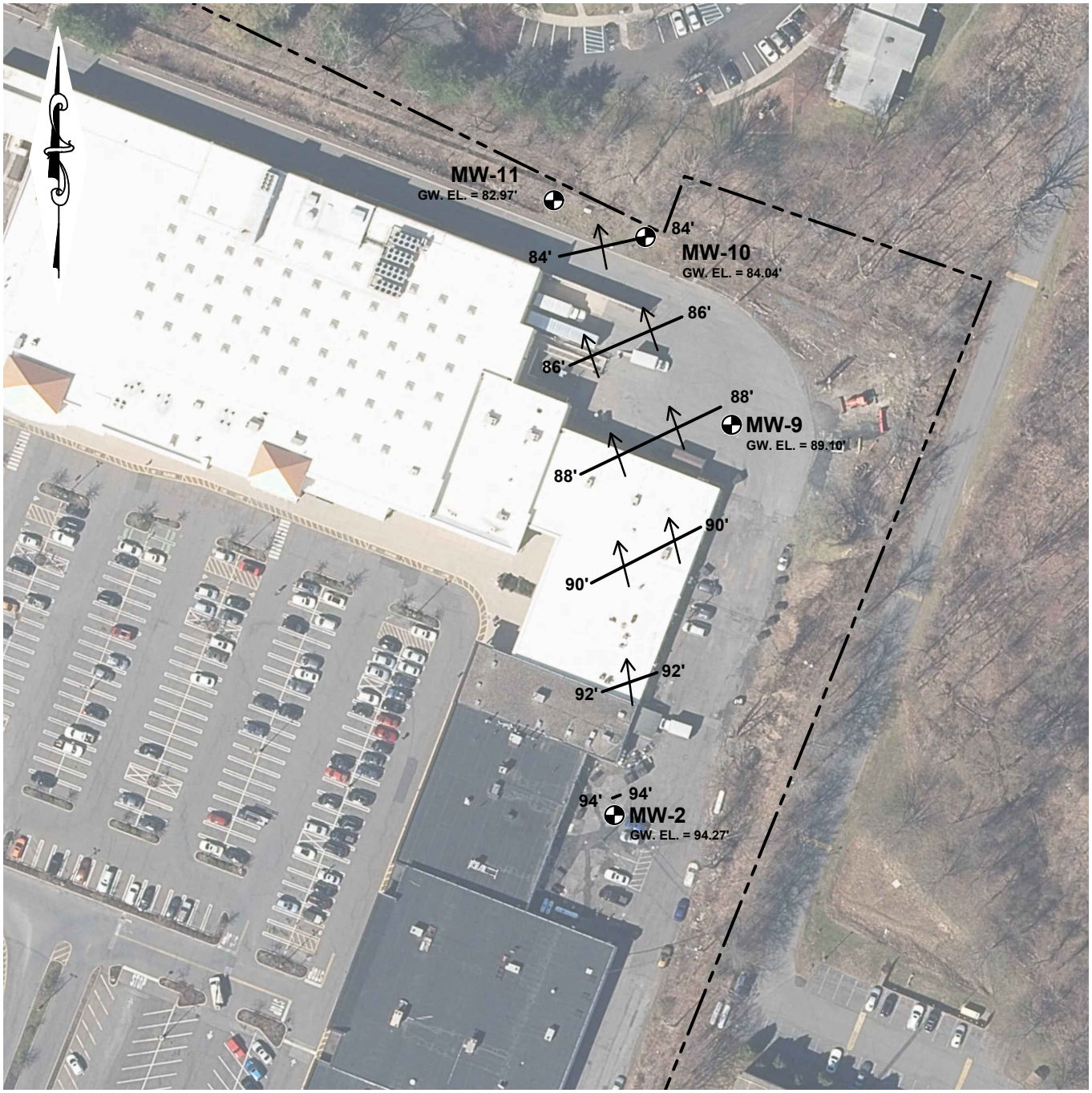
	1/20/1998	5/13/1998	8/26/1998	12/3/1998	2/25/1999	8/2/2001	11/6/2001	2/19/2002	5/15/2002	8/15/2002	8/21/2003
Halogenated Volatile Organics											
Vinyl Chloride	13	6.1	10	12	5.2	3.8	6.6	5	3.4	4.1	2.3
cis-1,2-Dichloroethene	65	64	100	100	63	55	71	57	48	63	43
Trichloroethene	19	21	27	26	20	20	24	18	17	20	21
Tetrachloroethene	130E	200	210	230	180	200	230	170	170	200	150
Chloroethane	<1.0	<1.0	0.9J	1.0	<1.0	<1.0	1.2	0.97J	0.5J	<1.0	<1.0
trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.37J	<1.0
TOTAL VOCs	**97**	**291.1**	**347.9**	**369**	**268.2**	**278.8**	**332.8**	**251.0**	**238.9**	**287.5**	**216.3**

	8/18/2004	8/30/2005	8/31/2006	8/30/2007	9/25/2008	6/10/2009	6/9/2011	4/3/2013	12/4/2014	4/5/2016	9/5/2017
Halogenated Volatile Organics											
Vinyl Chloride	4.1	4.1	4.0J	<5.0	<5.0	<10	1.2J	2.8	2.4	0.33 J	7.8
cis-1,2-Dichloroethene	48	66	56	62	65	<5.0	13	13	7.4	3	42
Trichloroethene	20	22	18	14	11	<5.0	3.5J	5.7	2.9	0.82	4.7
Tetrachloroethene	220	170	160	140	110	<5.0	28	48	14	1.9	7.7
Chloroethane	<1.0	<1.0	<1.0	<5.0	<5.0	<10	<5.0	<2.5	<0.7	<2.5	<2.5
trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<2.5	<0.7	1.2 J	<2.5
TOTAL VOCs	**292.1**	**262.1**	**238.0**	**216.0**	**186.0**	**ND**	**45.7**	**69.5**	**26.7**	**7.25**	**62.2**

	11/20/2018	11/14/2019	9/2/2021	8/10/2022	8/22/2023
Halogenated Volatile Organics					
Vinyl Chloride	5.2	4.5	4.3	16	6.3
cis-1,2-Dichloroethene	6.2	6.7	5.8	46	35
Trichloroethene	0.27 J	1.4	0.41 J	0.81	2
Tetrachloroethene	0.63	5.6	0.18 J	1.1	1.2
Chloroethane	<2.5	<2.5	<2.5	<2.5	<2.5
trans-1,2-Dichloroethylene	<2.5	<2.5	<2.5	<2.5	<2.5
TOTAL VOCs	**12.3**	**18.2**	**10.7**	**63.9**	**44.5**

Notes:
1. Results shown only for compounds which were detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. E = Indicates an estimated value greater than the highest standard.
4. < = Compound was not detected at or above the laboratory method detection limit shown.
5. All results are in micrograms per liter (ug/l, ppb).
6. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
7. Chloroform, Dibromochloromethane and Bromodichloromethane were detected in the sample collected on December 4, 2014 at 23 ppb, 0.58 ppb and 4.6 ppb, respectively. These compounds were not previously detected.

FIGURES



LEGEND:

MW-2 (GW. EL. = 94.27') — MONITORING WELL, GROUNDWATER ELEVATION AUGUST 22, 2023

92' — GROUNDWATER CONTOURS

→ INFERRED GROUNDWATER FLOW DIRECTION

APPROXIMATE PROPERTY BOUNDARY

0 50 100 200

1 inch = 100 ft.

MAP REFERENCE: NEW YORK STATEWIDE DIGITAL ORTHOIMAGERY PROGRAM, PHOTOGRAPHY CIRCA 2021

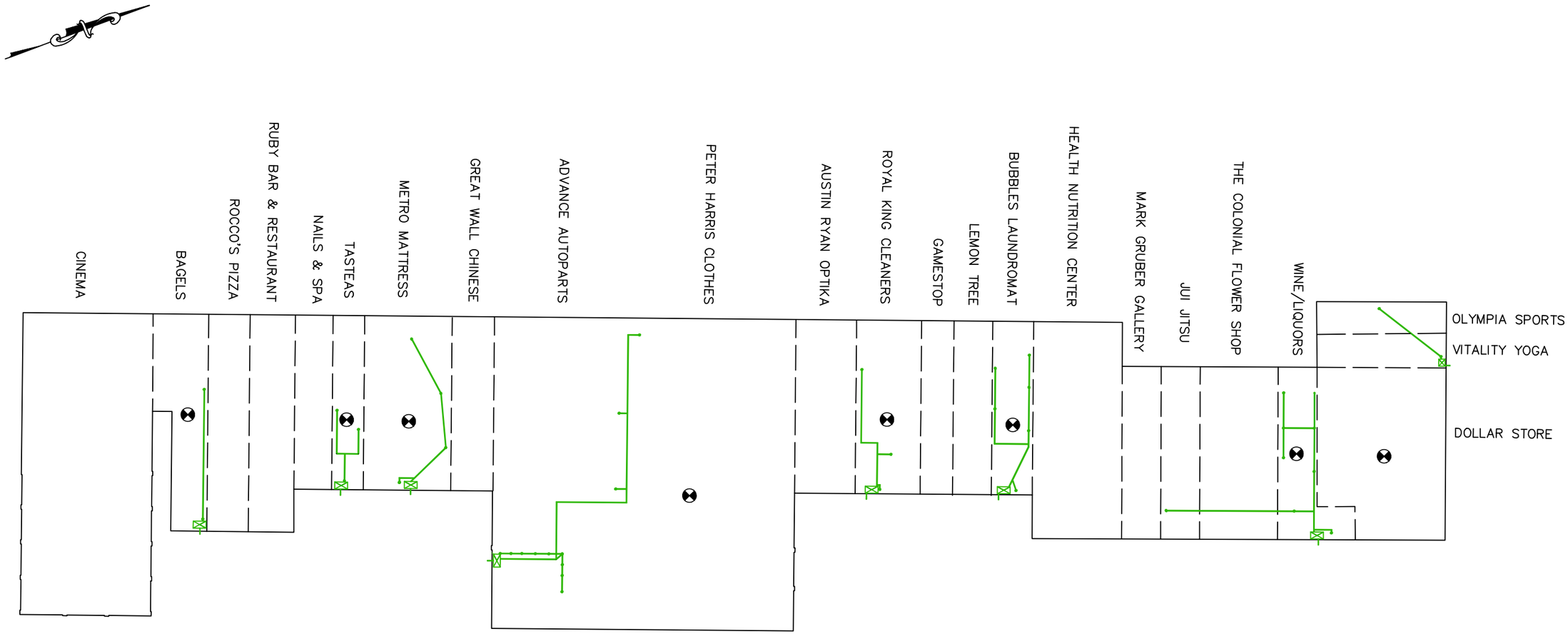
STERLING
Sterling Environmental Engineering, P.C.
24 Wade Road • Latham, New York 12110

OVERBURDEN GROUNDWATER CONTOUR MAP
AUGUST 22, 2023
NEW PALTZ PLAZA
NYS ROUTE 299

TOWN OF NEW PALTZ ULSTER CO., N.Y.

PROJ. No.:	DATE:	SCALE:	DWG. NO.	FIGURE
2014–45	8/24/2023	1" = 100'	2014–45011	1

S:\Sterling\Projects\2014 Projects\New Paltz Plaza - 2014-45\ACAD\2014-45011_F-4 - Overburden GW 2023.dwg 8/24/2023 10:27 AM



0 25' 50'

1" = 50'

LEGEND:

- STORE INSPECTION LOCATION
- SSDS SYSTEM COMPONENT

STERLING
Sterling Environmental Engineering, P.C.
24 Wade Road • Latham, New York 12110

SSDS INSPECTION LOCATIONS
NEW PALTZ PLAZA PROPERTIES, LP
NEW PALTZ PLAZA
TOWN OF NEW PALTZ ULSTER CO., NEW YORK

PROJ. No.: 2014-45	DATE: 10/31/2023	SCALE: 1" = 50'	DWG. NO. 2014-45010	FIGURE 2

S:\Sterling\Projects\2014 Projects\New Paltz Plaza - 2014-45\ACAD\2014-45010_F-1 - Site Map 2023.dwg PAUL.SCHOLAR 10/31/2023 11:11 AM

ATTACHMENT 1
Field Monitoring Forms

LOW-FLOW GROUNDWATER SAMPLING RECORD

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 2014-45
SITE LOCATION New Paltz, NY

WELL ID MW-10
DATE 8-22-2023
Page 1 of 1

GENERAL
Weather Conditions: 75° F Sunny
Site Access/Conditions: Good
Physical Condition of Well: Good Condition

PURGING INFORMATION
Total well depth (from top of casing): 17.44 feet
Depth to water surface before purging (from top of casing): - 8.52 feet
Height of water column: (a) = 8.92 feet
Screen length: (b) NA feet
Lesser of a and b: NA feet
Well diameter (d): 2 inches — d^2 x 0.0408 x NA gal/ft

WELL VOLUMES:
2" Diam. = 0.16 gal/ft
4" Diam. = 0.65 gal/ft.
6" Diam. = 1.47 gal/ft.

One wetted screen volume before purging (1 gallon = 3.785 liters): = 1.43 gallons or NA liters
Volume of water equal to five wetted screen volumes: = 7.134 gallons or NA liters

Pump Type: Bladder Pump
WQ Meter Type:

Time	Volume Purged (Gallons/ Liters)	Depth to Water (feet bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	RedOx Potential (mV)	Turbidity (NTU)
Stabilization Criteria*		Drawdown <0.3 ft	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%
1130	0.2L/min	8.63	1.807	20.9	6.81	2.45	120.6	111.96
1135	0.2L/min	8.69	1.889	21.1	6.73	2.15	133.0	35.95
1140	0.2L/min	8.73	2.096	21.1	6.70	1.71	139.8	40.20
1145	0.2L/min	8.79	2.153	20.4	6.70	1.81	141.9	48.07
1150	0.2L/min	8.79	2.146	21.1	6.71	1.73	142.4	50.76

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged: 5L gallons/liters
Depth of pump intake: 14 feet btoc

OBSERVATIONS
Color: Clear
Odor: None
Turbidity: Low
Sheen: None
Presence of NAPL: None
Other: NA
Remarks: NA

SAMPLING INFORMATION
Field Personnel: PWS + AMC
Sampling Method: Bladder Pump/Low Flow
Sample Date: 8-22-2023 Time: 1150
Sample Description: DUP082220223 @ MW-10
Analysis: Volatile Organic Compounds (VOCs)

CALIBRATION:		INSTRUMENT ID:
Temperature	NA	YSI ProDSS
pH	7.01, 10.00 4.02	
Conductance	7.005	
Turbidity	NA	
Redox	NA	
Dissolved Oxygen	NA	

LOW-FLOW GROUNDWATER SAMPLING RECORD

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 2014-45
SITE LOCATION New Paltz, NY

WELL ID BR-2
DATE 8-22-2023
Page 1 of 1

GENERAL
Weather Conditions: 75°F Sunny
Site Access/Conditions: Good
Physical Condition of Well: Good / Bolt needs replaced

PURGING INFORMATION
Total well depth (from top of casing): 11.31 feet
Depth to water surface before purging (from top of casing): - 1.87 feet
Height of water column: (a) = 9.44 feet
Screen length: (b) NA feet
Lesser of a and b: NA feet
Well diameter (d): 4 inches — $d^2 \times 0.0408$ x NA gal/ft

WELL VOLUMES:
2" Diam. = 0.16 gal/ft
4" Diam. = 0.65 gal/ft.
6" Diam. = 1.47 gal/ft.

One wetted screen volume before purging (1 gallon = 3.785 liters): = NA gallons or NA liters
Volume of water equal to five wetted screen volumes: = NA gallons or NA liters

Pump Type: Bladder
WQ Meter Type:

Time	Volume Purged (Gallons/ Liters)	Depth to Water (feet bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	RedOx Potential (mV)	Turbidity (NTU)
Stabilization Criteria*		Drawdown <0.3 ft	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%
1220	0.2L/min	2.10	2.141	20.2	8.82	0.96	25.6	61.84
1225		2.78	2.147	20.3	8.77	0.77	-63.6	60.35
1230		3.13	2.157	20.3	8.70	0.65	-141.5	51.11
1235		3.60	2.324	20.1	8.18	0.55	-189.3	80.80
1240		3.81	2.385	19.9	7.46	0.50	-163.0	38.08
1245		3.93	2.433	19.7	7.29	0.41	-143.9	37.49
1250		3.99	2.453	19.6	7.25	0.38	-140.5	35.17
1255		4.04	2.465	19.6	7.22	0.35	-139.8	33.84

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged: 8L gallons/liters
Depth of pump intake: 9.5 feet btoc

OBSERVATIONS
Color: Clear — Odor: Iron Odor
Turbidity: Low — Sheen: None
Presence of NAPL: None — Other: NA
Remarks: NA

SAMPLING INFORMATION
Field Personnel: PWS + AMC
Sampling Method: Bladder Pump / Low Flow
Sample Date: 8-22-2023 — Time: 1255
Sample Description: PH slightly higher than 2022, initially.
Analysis: Volatile Organic Compounds (VOCs)

CALIBRATION:		INSTRUMENT ID:
Temperature	NA	YSI Pro DSS
pH	7.01, 10.00, 4.02	
Conductance	7.005	
Turbidity	NA	
Redox	NA	
Dissolved Oxygen	NA	

LOW-FLOW GROUNDWATER SAMPLING RECORD

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 2014-45
SITE LOCATION New Paltz, NY

WELL ID MW-11
DATE 8-22-2023
Page 1 of 1

GENERAL
Weather Conditions: 75°F Sunny
Site Access/Conditions: Good
Physical Condition of Well: Good

PURGING INFORMATION
Total well depth (from top of casing): 17.92 feet
Depth to water surface before purging (from top of casing): - 9.55 feet
Height of water column: (a) = 8.37 feet
Screen length: (b) NA feet
Lesser of a and b: NA feet
Well diameter (d): 2 inches — d^2 x 0.0408 x NA gal/ft

WELL VOLUMES:
2" Diam. = 0.16 gal/ft
4" Diam. = 0.65 gal/ft.
6" Diam. = 1.47 gal/ft.

One wetted screen volume before purging (1 gallon = 3.785 liters): = NA gallons or NA liters
Volume of water equal to five wetted screen volumes: = NA gallons or NA liters

Pump Type: Bladder Pump
WQ Meter Type:

Time	Volume Purged (Gallons/ Liters)	Depth to Water (feet bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	RedOx Potential (mV)	Turbidity (NTU)
Stabilization Criteria*		Drawdown <0.3 ft	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%
1310	0.2 L/min	9.77	1.997	20.6	6.96	1.33	93.7	73.86
1315		9.80	1.981	20.4	6.81	0.67	103.6	25.53
1320		9.80	1.985	20.6	6.83	0.48	100.8	11.53
1325		9.80	1.997	20.6	6.82	0.45	100.4	6.52
1330	↓	9.80	1.999	20.6	6.81	0.44	100.3	7.58

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged: 5L gallons/liters
Depth of pump intake: 13.0 feet btoc

OBSERVATIONS
Color: Clear — Odor: None
Turbidity: Low — Sheen: None
Presence of NAPL: None — Other: NA
Remarks: NA

SAMPLING INFORMATION
Field Personnel: PWJ + AML
Sampling Method: Bladder Pump / Low Flow
Sample Date: 8-22-2023 — Time: 1330
Sample Description: NA
Analysis: Volatile Organic Compounds (VOCs)

CALIBRATION:		INSTRUMENT ID:
Temperature	NA	YSI Pro DSS
pH	7.01, 10.00, 4.01	
Conductance	7.005	
Turbidity	NA	
Redox	NA	
Dissolved Oxygen	NA	

LOW-FLOW GROUNDWATER SAMPLING RECORD

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 2014-45
SITE LOCATION New Paltz, NY

WELL ID MW-9
DATE 8-22-2023
Page 1 of 1

GENERAL
Weather Conditions: 75° F Sunny
Site Access/Conditions: Good
Physical Condition of Well: Good

PURGING INFORMATION
Total well depth (from top of casing): 9.57 feet
Depth to water surface before purging (from top of casing): - 2.94 feet
Height of water column: (a) = 6.63 feet
Screen length: (b) NA feet
Lesser of a and b: NA feet
Well diameter (d): 2 inches — d^2 x 0.0408 x NA gal/ft

WELL VOLUMES:
2" Diam. = 0.16 gal/ft
4" Diam. = 0.65 gal/ft.
6" Diam. = 1.47 gal/ft.

One wetted screen volume before purging (1 gallon = 3.785 liters): = NA gallons or NA liters
Volume of water equal to five wetted screen volumes: = NA gallons or NA liters

Pump Type: Bladder Pump — WQ Meter Type:

Time	Volume Purged (Gallons/ Liters)	Depth to Water (feet bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	RedOx Potential (mV)	Turbidity (NTU)
Stabilization Criteria*		Drawdown <0.3 ft	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%
1405	0.2L/min	3.17	2.708	24.2	6.62	0.61	84.5	71000
1410		3.73	2.640	24.1	6.59	0.57	77.6	189.99
1415		3.83	2.701	23.9	6.60	0.60	62.0	120.07
1420		3.86	2.722	23.7	6.60	0.72	66.2	79.71
1425		3.88	2.727	23.6	6.59	1.06	63.8	66.42
1430		3.89	2.741	23.6	6.58	2.08	60.8	46.64
1435		3.89	2.745	23.6	6.57	1.95	60.3	42.61
1440	↓	3.89	2.749	23.6	6.57	1.91	59.9	36.32

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged: 8L gallons/liters
Depth of pump intake: 8.0 feet btoc

OBSERVATIONS
Color: Clear — Odor: None
Turbidity: Low — Sheen: None
Presence of NAPL: None — Other: NA
Remarks: Water is black during initial purging.

SAMPLING INFORMATION
Field Personnel: PWS + AMC
Sampling Method: Bladder Pump / Low Flow
Sample Date: 8-22-2023 — Time: 1440
Sample Description: NA
Analysis: Volatile Organic Compounds (VOCs)

CALIBRATION:		INSTRUMENT ID:
Temperature	NA	YSI Pro DSS
pH	7.01, 10.00, 4.02	↓
Conductance	7.005	
Turbidity	NA	
Redox	NA	
Dissolved Oxygen	NA	

LOW-FLOW GROUNDWATER SAMPLING RECORD

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

PROJECT NAME New Paltz Plaza
PROJECT NUMBER 2014-45
SITE LOCATION New Paltz, NY

WELL ID MW-2
DATE 8-22-2023
Page 1 of 1

GENERAL
Weather Conditions: 75° F Sunny
Site Access/Conditions: Good
Physical Condition of Well: Good

PURGING INFORMATION
Total well depth (from top of casing): 12.07 feet
Depth to water surface before purging (from top of casing): - 3.04 feet
Height of water column: (a) = 9.03 feet
Screen length: (b) NA feet
Lesser of a and b: NA feet
Well diameter (d): 4 inches — d^2 x 0.0408 x NA gal/ft

WELL VOLUMES:
2" Diam. = 0.16 gal/ft
4" Diam. = 0.65 gal/ft
6" Diam. = 1.47 gal/ft

One wetted screen volume before purging (1 gallon = 3.785 liters): = NA gallons or NA liters
Volume of water equal to five wetted screen volumes: = NA gallons or NA liters

Pump Type: Bladder Pump
WQ Meter Type:

Time	Volume Purged (Gallons/ Liters)	Depth to Water (feet bmp)	SC (mS/cm)	Temp. (°C or °F)	pH (SU)	Dissolved Oxygen (mg/L)	RedOx Potential (mV)	Turbidity (NTU)
Stabilization Criteria*		Drawdown <0.3 ft	+/- 10%	+/- 0.2 °C	+/- 0.2 SU	+/- 0.2 mg/L	+/- 20 mV	+/- 10%
1455	0.2L/min	3.32	5.189	21.6	6.63	3.39	75.5	120.88
1500		3.49	5.224	21.2	6.62	2.60	1.2	60.89
1505		3.68	5.198	21.3	6.61	2.35	-15.4	35.24
1510		3.78	5.187	21.4	6.59	2.17	-20.6	24.15
1515		3.89	5.150	21.7	6.57	2.18	-25.0	12.66
1520		3.90	5.124	21.9	6.57	2.03	-26.5	4.85
1525	↓	3.90	5.114	21.9	6.57	1.96	-27.3	8.07

* - Stabilization based on three consecutive readings collected at 3 to 5 minute intervals. Minimum of 30 minutes of purging, maximum of five wetted screen volumes.

Total Volume of Water Purged: 7L gallons/liters
Depth of pump intake: 10.0 feet btoc

OBSERVATIONS
Color: Clear — Odor: No Odor
Turbidity: Low — Sheen: None
Presence of NAPL: None — Other: NA
Remarks: NA

SAMPLING INFORMATION
Field Personnel: PWS + Amc
Sampling Method: Bladder Pump / Low Flow
Sample Date: 8-22-2023 — Time: 1525
Sample Description: NA
Analysis: Volatile Organic Compounds (VOCs)

CALIBRATION:		INSTRUMENT ID:
Temperature	NA	YSI Pro PSS
pH	7.01, 10.00, 4.02	
Conductance		
Turbidity	NA	
Redox	NA	
Dissolved Oxygen	NA	

ATTACHMENT 2
Laboratory Analytical Report

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2348770

Table of Contents

Table of Contents

Project Name: NEW PALTZ PLAZA
Project Number: 2014-45

Lab Number: L2348770
Report Date: 08/25/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2348770-01	MW-10	WATER	NEW PALTZ, NY	08/22/23 11:50	08/22/23
L2348770-02	BR-2	WATER	NEW PALTZ, NY	08/22/23 12:55	08/22/23
L2348770-03	MW-11	WATER	NEW PALTZ, NY	08/22/23 13:30	08/22/23
L2348770-04	MW-9	WATER	NEW PALTZ, NY	08/22/23 14:40	08/22/23
L2348770-05	MW-2	WATER	NEW PALTZ, NY	08/22/23 15:25	08/22/23
L2348770-06	TB08222023	WATER	NEW PALTZ, NY	08/22/23 00:00	08/22/23
L2348770-07	DUP08222023	WATER	NEW PALTZ, NY	08/22/23 00:00	08/22/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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: Report Date: 08/25/23

Title: Technical Director/Representative

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 - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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 : L2348770

Account Name : Sterling Environmental Engineering
Project Number : 2014-45
Project Name : NEW PALTZ PLAZA

Received : 22-AUG-2023
Reviewer : Samantha Hanam

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.2	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
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**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

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

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Aug 25 2023, 06:20 pm

Login Number: L2348770
Account: STERLINGENV Sterling Environmental EngineeringProject: 2014-45
Received: 22AUG23 Due Date: 29AUG23

Sample #	Client ID	Mat	PR	Collected
L2348770-01	MW-10		1 S0	22AUG23 11:50
8260 - List built ASP-B Package Due Date: 08/29/23				
ASP-B,E&I-FEE,NYTCL-8260-R2				
L2348770-02	BR-2		1 S0	22AUG23 12:55
8260 - List built Package Due Date: 08/29/23				
NYTCL-8260-R2				
L2348770-03	MW-11		1 S0	22AUG23 13:30
8260 - List built Package Due Date: 08/29/23				
NYTCL-8260-R2				
L2348770-04	MW-9		1 S0	22AUG23 14:40
8260 - List built Package Due Date: 08/29/23				
NYTCL-8260-R2				
L2348770-05	MW-2		1 S0	22AUG23 15:25
8260 - List built Package Due Date: 08/29/23				
NYTCL-8260-R2				
L2348770-06	TB08222023		1 S0	22AUG23 00:00
8260 - List built Package Due Date: 08/29/23				
NYTCL-8260-R2				
L2348770-07	DUP08222023		1 S0	22AUG23 00:00
8260 - List built Package Due Date: 08/29/23				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Aug 25 2023, 06:20 pm

Login Number: L2348770

Account: STERLINGENV Sterling Environmental EngineeringProject: 2014-45

Received: 22AUG23 Due Date: 29AUG23

Sample #	Client ID	Mat	PR	Collected

NYTCL-8260-R2

Logged By: Ashaley Moynihan

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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 1

Date Rec'd in Lab: 8-23-2023

ALPHA Job #: L2348770

Client Information
Client: Sterling Env
Address: 24 Wade Rd
Latham NY 12110
Phone: 518 456-4900
Fax:
Email:

Project Information
Project Name: New Paltz Plaza
Project Location: New Paltz, NY
Project #: 2014-45
(Use Project name as Project #)
Project Manager: Tom Johnson / M. Deyo
ALPHAQuote #:

Turn-Around Time
Standard ☒ 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 #

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:
johnson t@sterlingenvironmental.com
paul.scholer@sterlingenvironmental.com

Please specify Metals or TAL.

ANALYSIS
USEPA 8260 VOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	USEPA 8260 VOCs	Sample Specific Comments	Total Bottle
48770-01	MW-10	8-22-2023	1150	GW	PWS	X		3
-02	BR-2		1255			X		3
-03	MW-11		1330			X		3
-04	MW-9		1440			X		3
-05	MW-2		1525			X		3
-06	TB08222023		-	LW		X		2
-07	DUP08222023		-	GW		X		3

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

Container Type: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
	8-22-23		8/22/23 1655
	8/22/23 1655		8/23/23 0020

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. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Sterling Environmental Engineering
Project Name: NEW PALTZ PLAZA

Lab Number: L2348770
Project Number: 2014-45
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-10 (L2348770-01)	119	95	91	112	0
BR-2 (L2348770-02)	120	96	92	111	0
MW-11 (L2348770-03)	123	96	93	117	0
MW-9 (L2348770-04D)	119	95	91	114	0
MW-2 (L2348770-05D)	122	95	90	115	0
TB08222023 (L2348770-06)	126	94	89	116	0
DUP08222023 (L2348770-07)	125	97	91	114	0
WG1820053-3LCS	108	98	91	108	0
WG1820053-4LCSD	118	98	90	110	0
WG1820053-5BLANK	117	97	91	111	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260-R2

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1820053-3 **Analysis Date** : 08/24/23 18:38	**File ID**	: VG230824N02
LCSD Sample ID	: WG1820053-4 **Analysis Date** : 08/24/23 19:02	**File ID**	: VG230824N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.9	99	10	9.6	96	3	70-130	20
1,1-Dichloroethane	10	12	120	10	12	120	0	70-130	20
Chloroform	10	11	110	10	10	100	10	70-130	20
Carbon tetrachloride	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	10	12	120	10	12	120	0	70-130	20
Dibromochloromethane	10	9.8	98	10	9.5	95	3	63-130	20
1,1,2-Trichloroethane	10	9.6	96	10	9.4	94	2	70-130	20
Tetrachloroethene	10	9.9	99	10	9.3	93	6	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	11	110	10	9.7	97	13	62-150	20
1,2-Dichloroethane	10	12	120	10	12	120	0	70-130	20
1,1,1-Trichloroethane	10	11	110	10	10	100	10	67-130	20
Bromodichloromethane	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	9.2	92	10	9.2	92	0	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	9.8	98	2	70-130	20
Bromoform	10	9.0	90	10	8.8	88	2	54-136	20
1,1,2,2-Tetrachloroethane	10	11	110	10	11	110	0	67-130	20
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	10	100	10	9.5	95	5	70-130	20
Ethylbenzene	10	10	100	10	9.5	95	5	70-130	20
Chloromethane	10	11	110	10	10	100	10	64-130	20
Bromomethane	10	5.8	58	10	6.0	60	3	39-139	20
Vinyl chloride	10	11	110	10	11	110	0	55-140	20
Chloroethane	10	15	150 Q	10	14	140 Q	7	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20
trans-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1820053-3 **Analysis Date** : 08/24/23 18:38	**File ID**	: VG230824N02
LCSD Sample ID	: WG1820053-4 **Analysis Date** : 08/24/23 19:02	**File ID**	: VG230824N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.1	91	10	8.9	89	2	70-130	20
1,2-Dichlorobenzene	10	9.3	93	10	9.0	90	3	70-130	20
1,3-Dichlorobenzene	10	9.5	95	10	9.2	92	3	70-130	20
1,4-Dichlorobenzene	10	9.5	95	10	9.2	92	3	70-130	20
Methyl tert butyl ether	10	9.9	99	10	9.8	98	1	63-130	20
p/m-Xylene	20	20	100	20	19	95	5	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20
Styrene	20	20	100	20	20	100	0	70-130	20
Dichlorodifluoromethane	10	10	100	10	9.7	97	3	36-147	20
Acetone	10	7.7	77	10	8.3	83	8	58-148	20
Carbon disulfide	10	10	100	10	9.7	97	3	51-130	20
2-Butanone	10	8.2	82	10	8.6	86	5	63-138	20
4-Methyl-2-pentanone	10	10	100	10	9.7	97	3	59-130	20
2-Hexanone	10	8.1	81	10	8.1	81	0	57-130	20
Bromochloromethane	10	12	120	10	12	120	0	70-130	20
1,2-Dibromoethane	10	9.5	95	10	9.6	96	1	70-130	20
1,2-Dibromo-3-chloropropane	10	8.3	83	10	7.9	79	5	41-144	20
Isopropylbenzene	10	9.6	96	10	9.0	90	6	70-130	20
1,2,3-Trichlorobenzene	10	8.4	84	10	8.0	80	5	70-130	20
1,2,4-Trichlorobenzene	10	8.7	87	10	8.4	84	4	70-130	20
Methyl Acetate	10	9.8	98	10	9.9	99	1	70-130	20
Cyclohexane	10	11	110	10	10	100	10	70-130	20
1,4-Dioxane	500	440	88	500	420	84	5	56-162	20
Freon-113	10	10	100	10	10	100	0	70-130	20
Methyl cyclohexane	10	8.2	82	10	8.2	82	0	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab Sample ID	: WG1820053-5	**Lab File ID**	: VG230824N05
Instrument ID	: GONZO		
Matrix	: WATER	**Analysis Date**	: 08/24/23 19:49

Client Sample No.	Lab Sample ID	Analysis Date
WG1820053-3LCS	WG1820053-3	08/24/23 18:38
WG1820053-4LCSD	WG1820053-4	08/24/23 19:02
MW-10	L2348770-01	08/24/23 21:48
BR-2	L2348770-02	08/24/23 22:11
MW-11	L2348770-03	08/24/23 22:35
MW-9	L2348770-04D	08/24/23 22:59
MW-2	L2348770-05D	08/24/23 23:22
DUP08222023	L2348770-07	08/24/23 23:46
TB08222023	L2348770-06	08/25/23 00:10

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

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Instrument ID	: GONZO	**Analysis Date**	: 07/26/23 17:43
Tune Standard	: WG1808529-1	**Tune File ID**	: VG230726NBF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 80.0% of mass 95	46.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.9 (1.2)1
174	Greater than 50.0% of mass 95	76.8
175	5.0 - 9.0% of mass 174	6.1 (8)1
176	Greater than 95.0% but less than 101% of mass	75 (97.8)1
177	5.0 - 9.0% of mass 176	5.2 (6.9)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	R1722829-1	VG230726N03	07/26/23 18:49
STD0.5PPB	R1722829-2	VG230726N05	07/26/23 19:37
STD2PPB	R1722829-4	VG230726N07	07/26/23 20:24
STD10PPB	R1722829-3	VG230726N09	07/26/23 21:12
STD30PPB	R1722829-5	VG230726N10	07/26/23 21:36
STD80PPB	R1722829-6	VG230726N11	07/26/23 22:00
STD120PPB	R1722829-8	VG230726N12	07/26/23 22:23
STD200PPB	R1722829-7	VG230726N13	07/26/23 22:47
ICV Quant Report	R1722829-9	VG230726N18	07/27/23 00:46

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

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Instrument ID	: GONZO	**Analysis Date**	: 08/24/23 17:55
Tune Standard	: WG1820053-1	**Tune File ID**	: VG230824NBF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.2
75	30.0 - 80.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (.7)1
174	Greater than 50.0% of mass 95	87.7
175	5.0 - 9.0% of mass 174	6.2 (7.1)1
176	Greater than 95.0% but less than 101% of mass	86.3 (98.4)1
177	5.0 - 9.0% of mass 176	5.7 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1820053-2CCAL	WG1820053-2	VG230824N02	08/24/23 18:38
WG1820053-3LCS	WG1820053-3	VG230824N02	08/24/23 18:38
WG1820053-4LCSD	WG1820053-4	VG230824N03	08/24/23 19:02
WG1820053-5BLANK	WG1820053-5	VG230824N05	08/24/23 19:49
MW-10	L2348770-01	VG230824N10	08/24/23 21:48
BR-2	L2348770-02	VG230824N11	08/24/23 22:11
MW-11	L2348770-03	VG230824N12	08/24/23 22:35
MW-9	L2348770-04D	VG230824N13	08/24/23 22:59
MW-2	L2348770-05D	VG230824N14	08/24/23 23:22
DUP08222023	L2348770-07	VG230824N15	08/24/23 23:46
TB08222023	L2348770-06	VG230824N16	08/25/23 00:10

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Instrument ID	: GONZO	**Analysis Date**	: 08/24/23 18:38:00
Sample No	: WG1820053-2	**Lab File ID**	: VG230824N02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1820053-2	611548	6.14	553536	9.69	332996	12.36
Upper Limit	1223096	6.64	1107072	10.19	665992	12.86
Lower Limit	305774	5.64	276768	9.19	166498	11.86
Sample ID						
WG1820053-3 LCS	611548	6.14	553536	9.69	332996	12.36
WG1820053-4 LCSD	604804	6.14	551846	9.69	336726	12.36
WG1820053-5 BLANK	568695	6.14	528104	9.69	320065	12.36
MW-10	561744	6.14	518819	9.69	313419	12.36
BR-2	529453	6.14	485792	9.69	296969	12.36
MW-11	513148	6.14	474756	9.69	284046	12.36
MW-9	526300	6.14	474871	9.69	282324	12.36
MW-2	519940	6.14	470699	9.69	283318	12.36
DUP08222023	494284	6.14	449204	9.69	273380	12.36
TB08222023	471145	6.14	439503	9.69	267431	12.36

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
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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.

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Created By: Jason Hebert
File: PM14095-1
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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			

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.

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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-01	**Date Collected**	: 08/22/23 11:50
Client ID	: MW-10	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 21:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N10	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.6	0.50	0.18	
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	1.1	1.0	0.07	
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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-01	**Date Collected**	: 08/22/23 11:50
Client ID	: MW-10	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 21:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N10	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	3.7	0.50	0.18	
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	0.70	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	43	2.5	0.70	
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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-01	**Date Collected**	: 08/22/23 11:50
Client ID	: MW-10	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 21:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N10	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-02	**Date Collected**	: 08/22/23 12:55
Client ID	: BR-2	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 22:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N11	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	1.2	0.50	0.18	
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	6.3	1.0	0.07	
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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-02	**Date Collected**	: 08/22/23 12:55
Client ID	: BR-2	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 22:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N11	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	2.0	0.50	0.18	
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	0.70	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	35	2.5	0.70	
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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-02	**Date Collected**	: 08/22/23 12:55
Client ID	: BR-2	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 22:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N11	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-03	**Date Collected**	: 08/22/23 13:30
Client ID	: MW-11	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 22:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N12	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	6.1	0.50	0.18	
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	0.78	1.0	0.07	J
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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-03	**Date Collected**	: 08/22/23 13:30
Client ID	: MW-11	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 22:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N12	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	1.1	2.5	0.70	J
79-01-6	Trichloroethene	5.2	0.50	0.18	
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	0.70	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	66	2.5	0.70	
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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-03	**Date Collected**	: 08/22/23 13:30
Client ID	: MW-11	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 22:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N12	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-04D	**Date Collected**	: 08/22/23 14:40
Client ID	: MW-9	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 22:59
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N13	**Instrument ID**	: GONZO
Sample Amount	: 5 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	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	160	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	12	2.0	0.14	
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-04D	**Date Collected**	: 08/22/23 14:40
Client ID	: MW-9	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 22:59
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N13	**Instrument ID**	: GONZO
Sample Amount	: 5 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	2.2	5.0	1.4	J
79-01-6	Trichloroethene	34	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	200	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-04D	**Date Collected**	: 08/22/23 14:40
Client ID	: MW-9	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 22:59
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N13	**Instrument ID**	: GONZO
Sample Amount	: 5 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	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-05D	**Date Collected**	: 08/22/23 15:25
Client ID	: MW-2	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 23:22
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N14	**Instrument ID**	: GONZO
Sample Amount	: 0.5 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	50	14.	U
75-34-3	1,1-Dichloroethane	ND	50	14.	U
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	870	10	3.6	
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	350	20	1.4	
75-00-3	Chloroethane	ND	50	14.	U
75-35-4	1,1-Dichloroethene	6.0	10	3.4	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-05D	**Date Collected**	: 08/22/23 15:25
Client ID	: MW-2	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 23:22
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N14	**Instrument ID**	: GONZO
Sample Amount	: 0.5 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	21	50	14.	J
79-01-6	Trichloroethene	340	10	3.5	
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	2500	50	14.	
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
79-20-9	Methyl Acetate	ND	40	4.7	U
110-82-7	Cyclohexane	ND	200	5.4	U
123-91-1	1,4-Dioxane	ND	5000	1200	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-05D	**Date Collected**	: 08/22/23 15:25
Client ID	: MW-2	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 23:22
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N14	**Instrument ID**	: GONZO
Sample Amount	: 0.5 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	50	14.	U
108-87-2	Methyl cyclohexane	ND	200	7.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-06	**Date Collected**	: 08/22/23 00:00
Client ID	: TB08222023	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/25/23 00:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N16	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-06	**Date Collected**	: 08/22/23 00:00
Client ID	: TB08222023	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/25/23 00:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N16	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-06	**Date Collected**	: 08/22/23 00:00
Client ID	: TB08222023	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/25/23 00:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N16	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-07	**Date Collected**	: 08/22/23 00:00
Client ID	: DUP08222023	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 23:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N15	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.6	0.50	0.18	
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	1.2	1.0	0.07	
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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-07	**Date Collected**	: 08/22/23 00:00
Client ID	: DUP08222023	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 23:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N15	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	4.0	0.50	0.18	
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	0.70	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	45	2.5	0.70	
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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: L2348770-07	**Date Collected**	: 08/22/23 00:00
Client ID	: DUP08222023	**Date Received**	: 08/22/23
Sample Location	: NEW PALTZ, NY	**Date Analyzed**	: 08/24/23 23:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG230824N15	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: WG1820053-5	**Date Collected**	: NA
Client ID	: WG1820053-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/24/23 19:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: VG230824N05	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: WG1820053-5	**Date Collected**	: NA
Client ID	: WG1820053-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/24/23 19:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: VG230824N05	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	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	: Sterling Environmental Engineering	**Lab Number**	: L2348770
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45
Lab ID	: WG1820053-5	**Date Collected**	: NA
Client ID	: WG1820053-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/24/23 19:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: VG230824N05	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N10.D
Acq On : 24 Aug 2023 9:48 pm
Operator : GONZO:MJV
Sample : L2348770-01,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 25 06:33:13 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	561744	10.000	ug/L	0.00
Standard Area 1 = 611548			Recovery = 91.86%			
59) Chlorobenzene-d5	9.686	117	518819	10.000	ug/L	0.00
Standard Area 1 = 553536			Recovery = 93.73%			
79) 1,4-Dichlorobenzene-d4	12.360	152	313419	10.000	ug/L	0.00
Standard Area 1 = 332996			Recovery = 94.12%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.327	113	161654	11.215	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.15%			
43) 1,2-Dichloroethane-d4	5.858	65	219030	11.932	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.32%			
60) Toluene-d8	7.836	98	627611	9.535	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.35%			
83) 4-Bromofluorobenzene	11.167	95	258118	9.083	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.83%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.520	85	687	N.D.		
3) Chloromethane	1.915	50	238	N.D.		
4) Vinyl chloride	1.969	62	17521	1.077	ug/L	94
5) Bromomethane	2.295	94	511	N.D.		
6) Chloroethane	2.348	64	226	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	3.055	96	616	N.D.		
11) Carbon disulfide	3.085	76	1026	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.610	84	76	N.D.		
17) Acetone	3.670	43	2206	0.427	ug/L #	76
18) trans-1,2-Dichloroethene	3.769	96	3564	0.289	ug/L #	47
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	3.815	73	68	N.D.		
23) 1,1-Dichloroethane	4.369	63	1225	N.D.		
28) cis-1,2-Dichloroethene	4.878	96	619076	43.377	ug/L #	69
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	5.053	56	100	N.D.		
32) Chloroform	5.144	83	1257	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N10.D
Acq On : 24 Aug 2023 9:48 pm
Operator : GONZO:MJV
Sample : L2348770-01,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 25 06:33:13 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	5.357	97	80	N.D.		
39) 2-Butanone	5.592	43	178	N.D.		
41) Benzene	5.729	78	1073	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D. d		
47) Methyl cyclohexane	6.314	83	634	N.D.		
48) Trichloroethene	6.314	95	59125	3.717	ug/L	94
51) 1,2-Dichloropropane	6.983	63	74	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.887	92	94	N.D.		
62) 4-Methyl-2-pentanone	8.338	58	69	N.D.		
63) Tetrachloroethene	8.345	166	56489	3.590	ug/L	98
65) trans-1,3-Dichloropropene	8.259	75	87	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D. d		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.355	43	83	N.D.		
73) Chlorobenzene	9.703	112	92	N.D.		
74) Ethylbenzene	9.760	91	540	N.D.		
76) p/m Xylene	9.950	106	516	N.D.		
77) o Xylene	10.567	106	80	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.846	105	437	N.D.		
87) 1,1,2,2-Tetrachloroethane	11.159	83	86	N.D.		
100) 1,3-Dichlorobenzene	12.294	146	77	N.D.		
101) 1,4-Dichlorobenzene	12.368	146	246	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.236	180	104	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

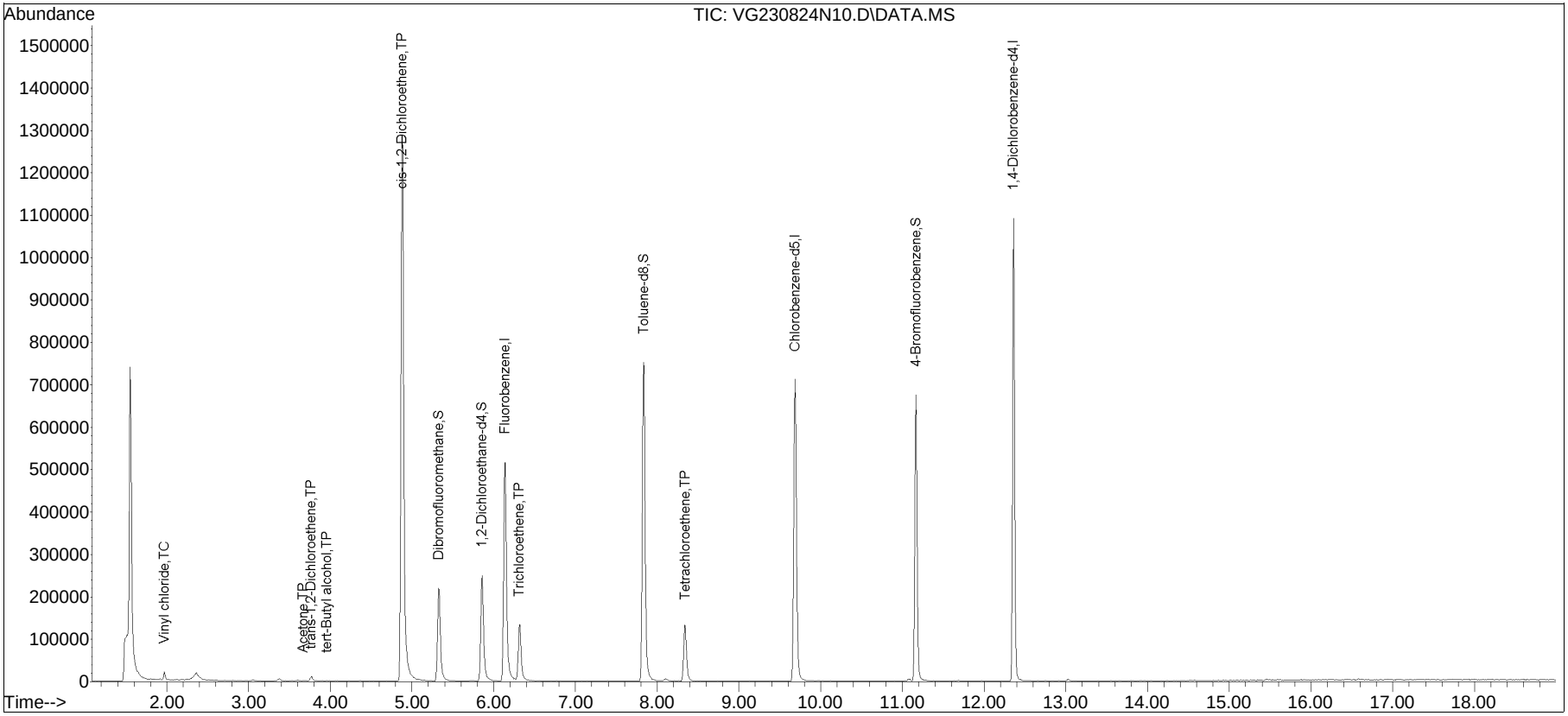
(#) = qualifier out of range (m) = manual integration (+) = signals summed

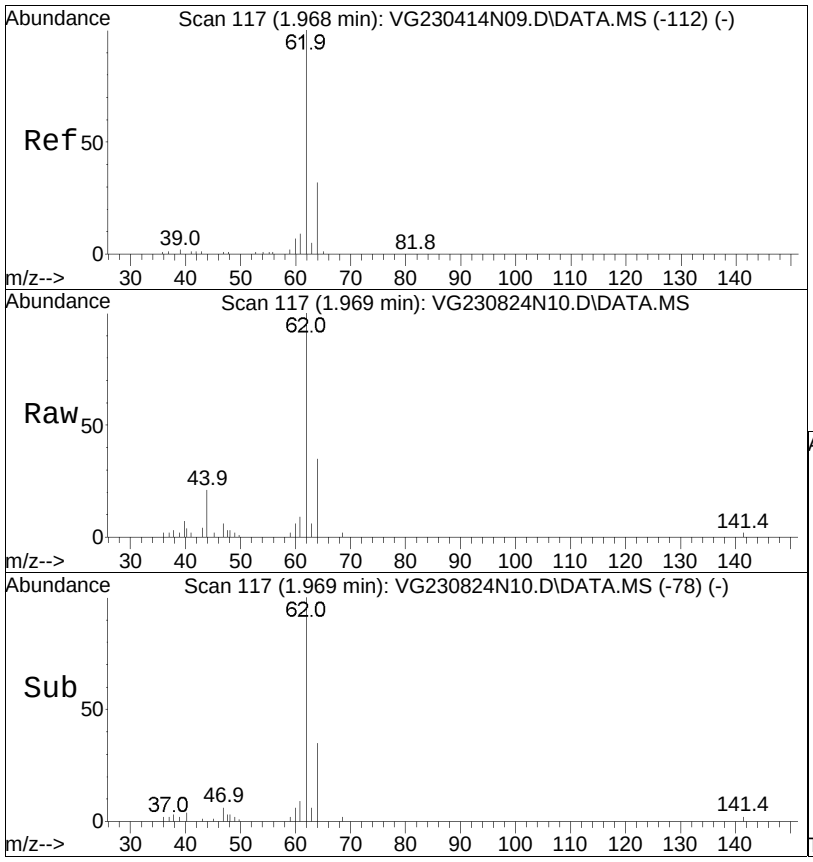
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N10.D
Acq On : 24 Aug 2023 9:48 pm
Operator : GONZO:MJV
Sample : L2348770-01,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 25 06:33:13 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

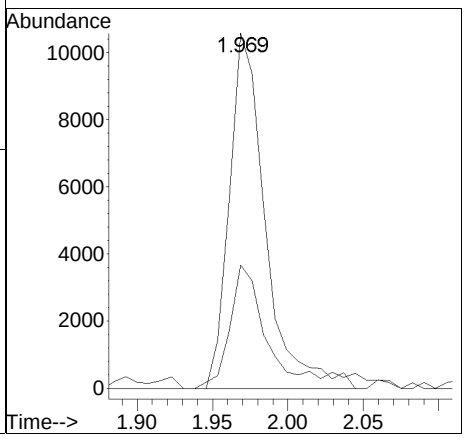


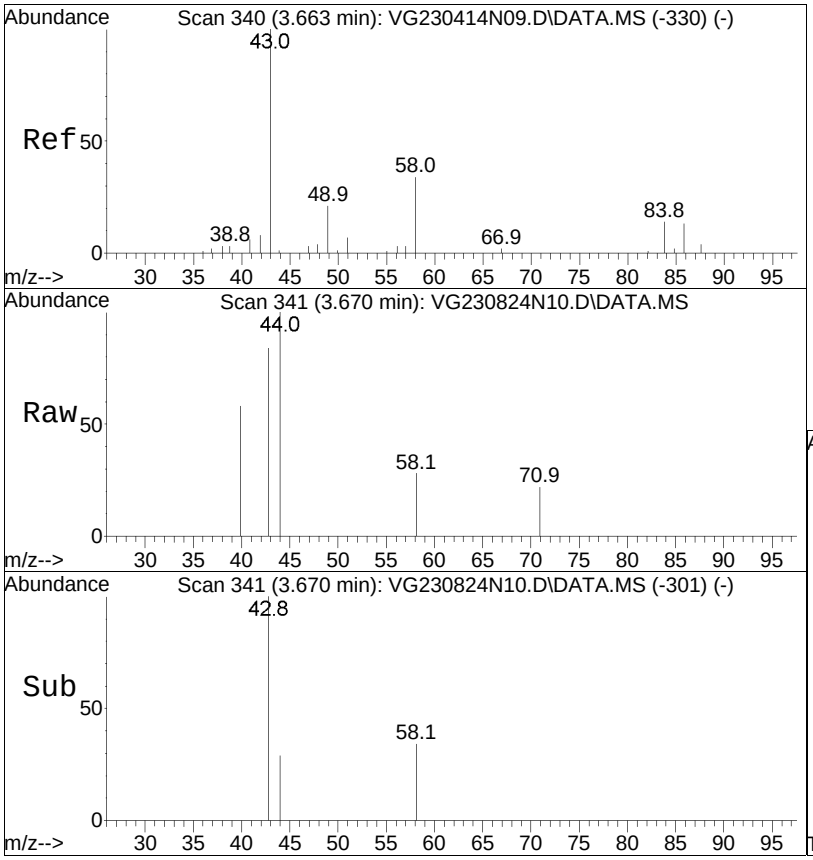


#4
Vinyl chloride
Concen: 1.08 ug/L
RT: 1.969 min Scan# 117
Delta R.T. -0.000 min
Lab File: VG230824N10.D
Acq: 24 Aug 2023 9:48 pm

Tgt Ion: 62 Resp: 17521

Ion	Ratio	Lower	Upper
62	100		
64	34.8	11.3	51.3

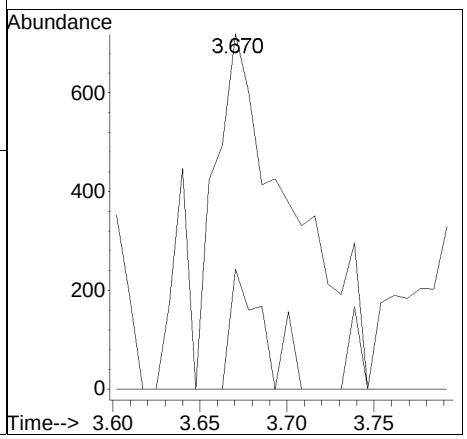


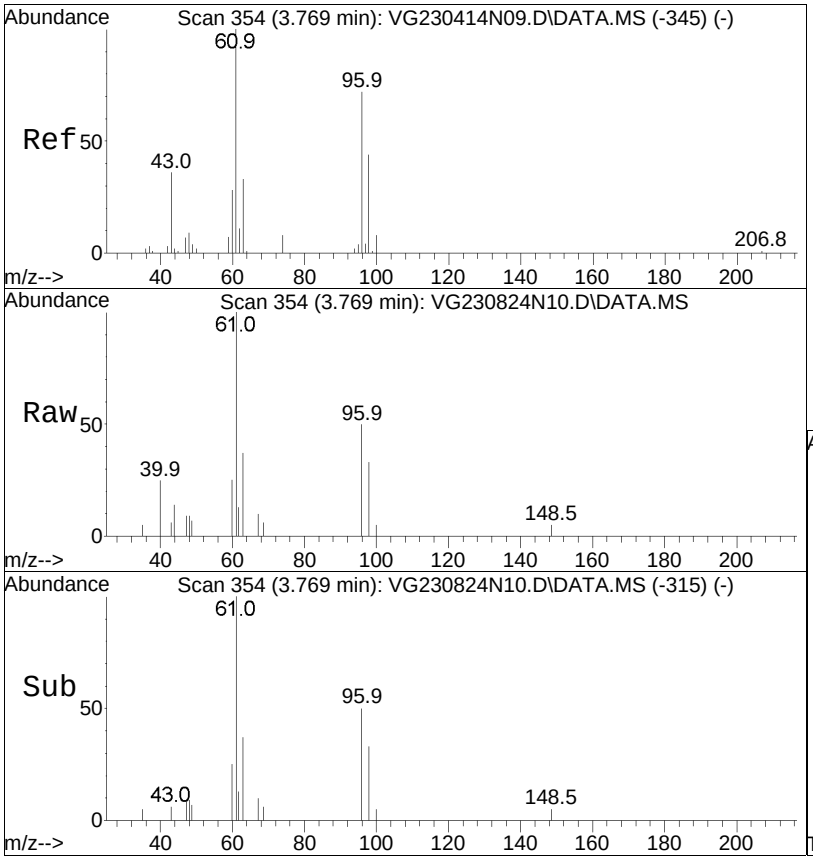


#17
Acetone
Concen: 0.43 ug/L
RT: 3.670 min Scan# 341
Delta R.T. 0.007 min
Lab File: VG230824N10.D
Acq: 24 Aug 2023 9:48 pm

Tgt Ion: 43 Resp: 2206

Ion	Ratio	Lower	Upper
43	100		
58	15.0	22.2	33.4#

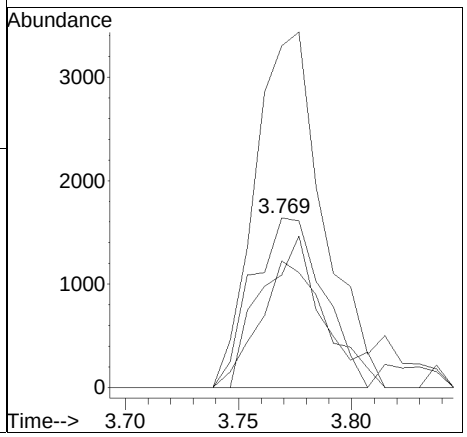


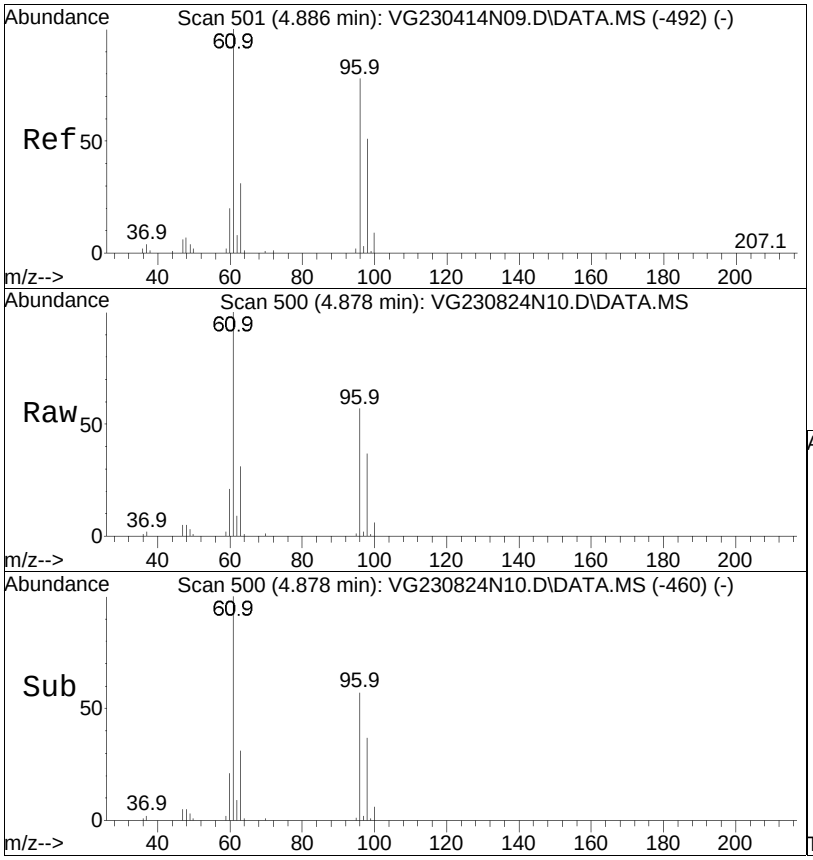


#18
trans-1,2-Dichloroethene
Concen: 0.29 ug/L
RT: 3.769 min Scan# 354
Delta R.T. 0.000 min
Lab File: VG230824N10.D
Acq: 24 Aug 2023 9:48 pm

Tgt Ion: 96 Resp: 3564

Ion	Ratio	Lower	Upper
96	100		
61	216.0	85.7	178.1#
98	78.4	40.2	83.4
63	70.7	28.0	58.2#

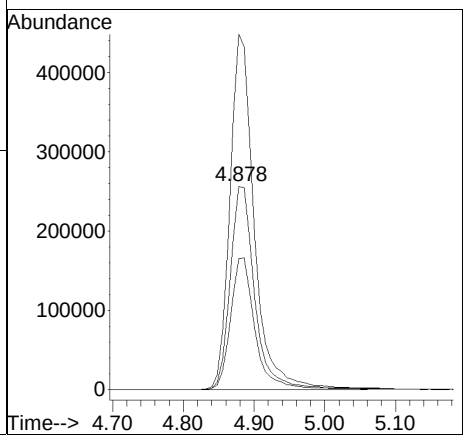


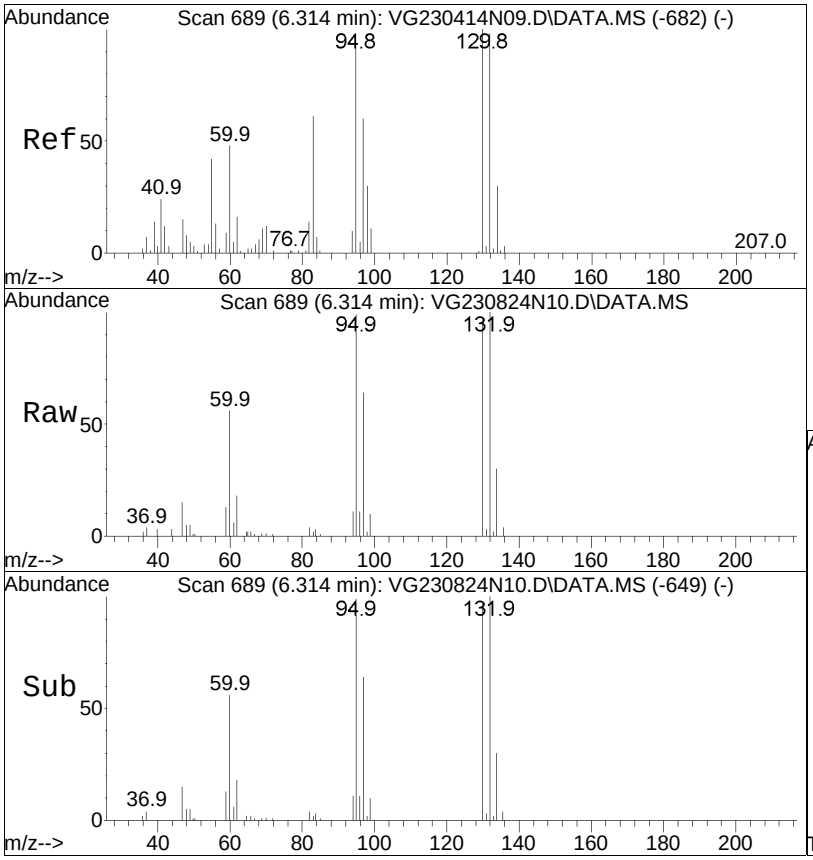


#28
cis-1,2-Dichloroethene
Concen: 43.38 ug/L
RT: 4.878 min Scan# 500
Delta R.T. 0.000 min
Lab File: VG230824N10.D
Acq: 24 Aug 2023 9:48 pm

Tgt Ion: 96 Resp: 619076

Ion	Ratio	Lower	Upper
96	100		
61	173.6	96.6	144.8#
98	64.3	51.3	76.9

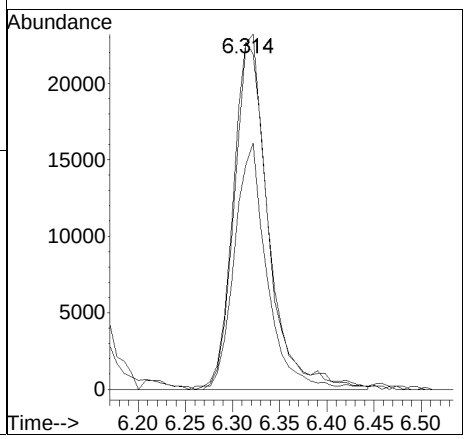


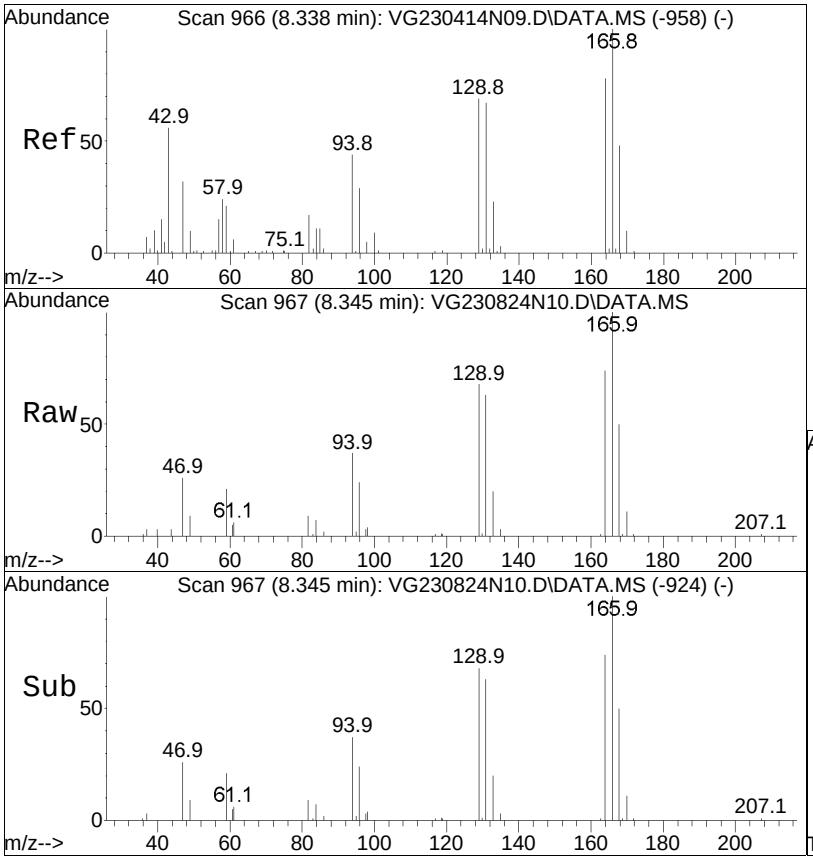


#48
Trichloroethene
Concen: 3.72 ug/L
RT: 6.314 min Scan# 689
Delta R.T. 0.000 min
Lab File: VG230824N10.D
Acq: 24 Aug 2023 9:48 pm

Tgt Ion: 95 Resp: 59125

Ion	Ratio	Lower	Upper
95	100		
97	65.4	54.0	81.0
130	98.2	85.0	127.4

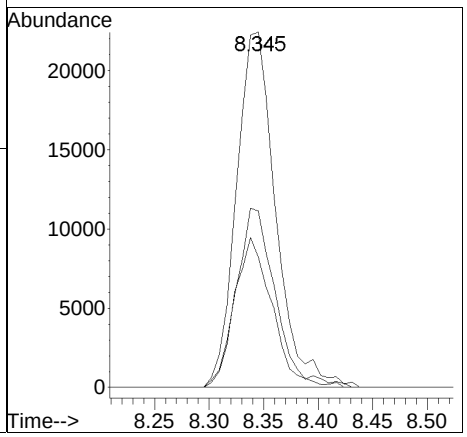




#63
Tetrachloroethene
Concen: 3.59 ug/L
RT: 8.345 min Scan# 967
Delta R.T. 0.007 min
Lab File: VG230824N10.D
Acq: 24 Aug 2023 9:48 pm

Tgt Ion:166 Resp: 56489

Ion	Ratio	Lower	Upper
166	100		
168	50.1	27.3	67.3
94	40.3	20.5	60.5



Manual Integration Report

Data Path	: K:\Gonzo\2023\230824N\	QMethod	: G_230726N_8260.m
Data File	: VG230824N10.D	Operator	: GONZO:MJV
Date Inj'd	: 8/24/2023 9:48 pm	Instrument	: Gonzo
Sample	: L2348770-01,31,10,10,,A	Quant Date	: 8/25/2023 6:02 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N11.D
Acq On : 24 Aug 2023 10:11 pm
Operator : GONZO:MJV
Sample : L2348770-02,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 25 06:14:13 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.140	96	529453	10.000 ug/L	0.00
Standard Area 1 = 611548			Recovery =	86.58%	
59) Chlorobenzene-d5	9.687	117	485792	10.000 ug/L	0.00
Standard Area 1 = 553536			Recovery =	87.76%	
79) 1,4-Dichlorobenzene-d4	12.360	152	296969	10.000 ug/L	0.00
Standard Area 1 = 332996			Recovery =	89.18%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.327	113	150502	11.078 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.78%	
43) 1,2-Dichloroethane-d4	5.859	65	207194	11.975 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	119.75%	
60) Toluene-d8	7.837	98	588792	9.553 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.53%	
83) 4-Bromofluorobenzene	11.167	95	246803	9.166 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.66%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.505	85	623	N.D.	
3) Chloromethane	1.885	50	90	N.D.	
4) Vinyl chloride	1.969	62	96368	6.287 ug/L	97
5) Bromomethane	2.402	94	86	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	3.048	96	1132	0.104 ug/L #	65
11) Carbon disulfide	0.000		0	N.D. d	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.450	84	68	N.D.	
17) Acetone	3.663	43	1701	0.350 ug/L #	75
18) trans-1,2-Dichloroethene	3.777	96	5069	0.436 ug/L #	45
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	3.853	73	148	N.D.	
23) 1,1-Dichloroethane	4.370	63	539	N.D.	
28) cis-1,2-Dichloroethene	4.886	96	466778	34.701 ug/L #	69
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	5.220	56	74	N.D.	
32) Chloroform	5.160	83	83	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N11.D
Acq On : 24 Aug 2023 10:11 pm
Operator : GONZO:MJV
Sample : L2348770-02,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 25 06:14:13 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	5.342	97	69	N.D.		
39) 2-Butanone	5.426	43	246	N.D.		
41) Benzene	5.722	78	2180	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D. d		
47) Methyl cyclohexane	6.299	83	422	N.D.		
48) Trichloroethene	6.322	95	29431	1.963	ug/L	97
51) 1,2-Dichloropropane	6.854	63	87	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	7.837	75	169	N.D.		
61) Toluene	7.887	92	735	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.345	166	18516	1.257	ug/L	91
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	8.345	83	253	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.377	43	105	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.753	91	443	N.D.		
76) p/m Xylene	9.966	106	504	N.D.		
77) o Xylene	10.674	106	105	N.D.		
78) Styrene	10.485	104	83	N.D.		
80) Bromoform	10.567	173	83	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	11.167	83	109	N.D.		
100) 1,3-Dichlorobenzene	12.303	146	77	N.D.		
101) 1,4-Dichlorobenzene	12.369	146	194	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.219	180	120	N.D.		
111) 1,2,3-Trichlorobenzene	14.672	180	89	N.D.		

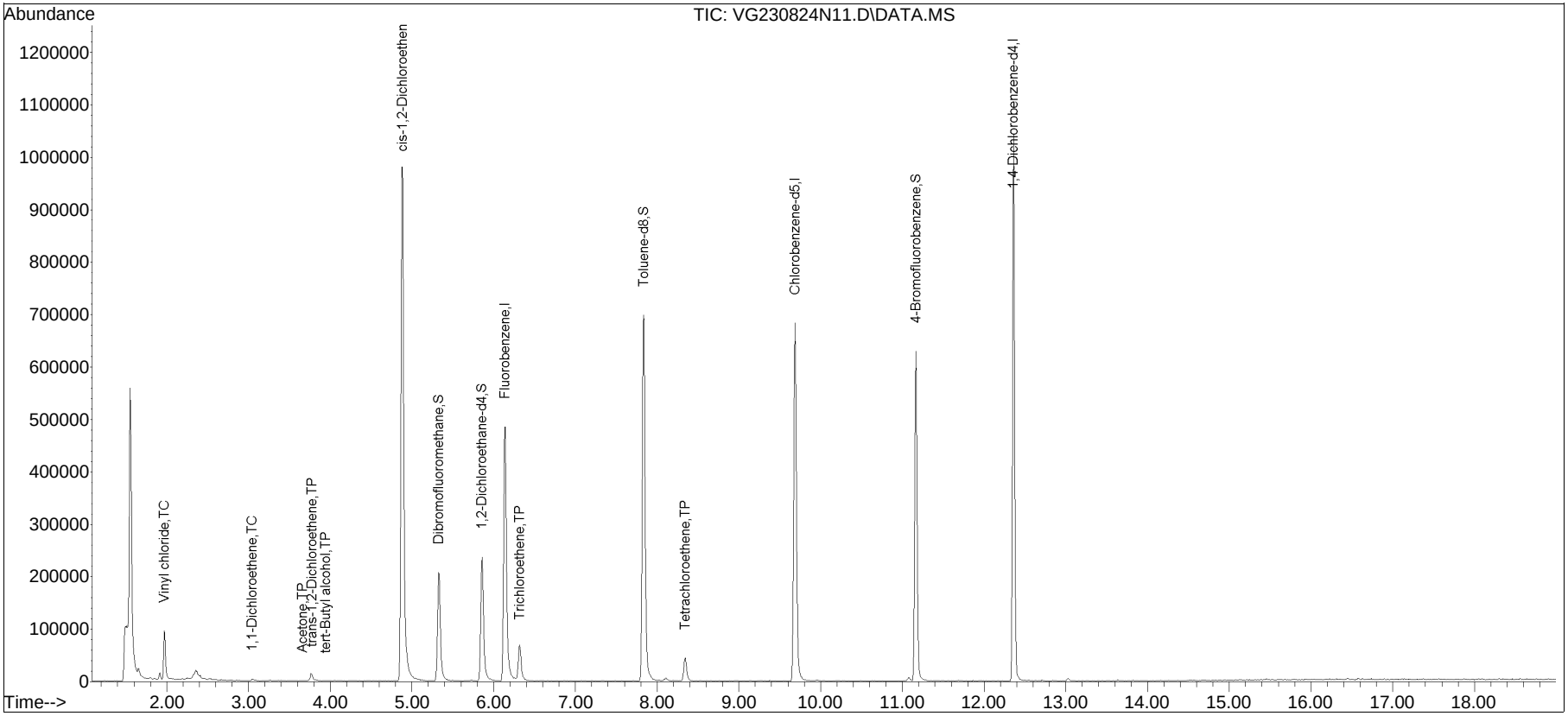
(#) = qualifier out of range (m) = manual integration (+) = signals summed

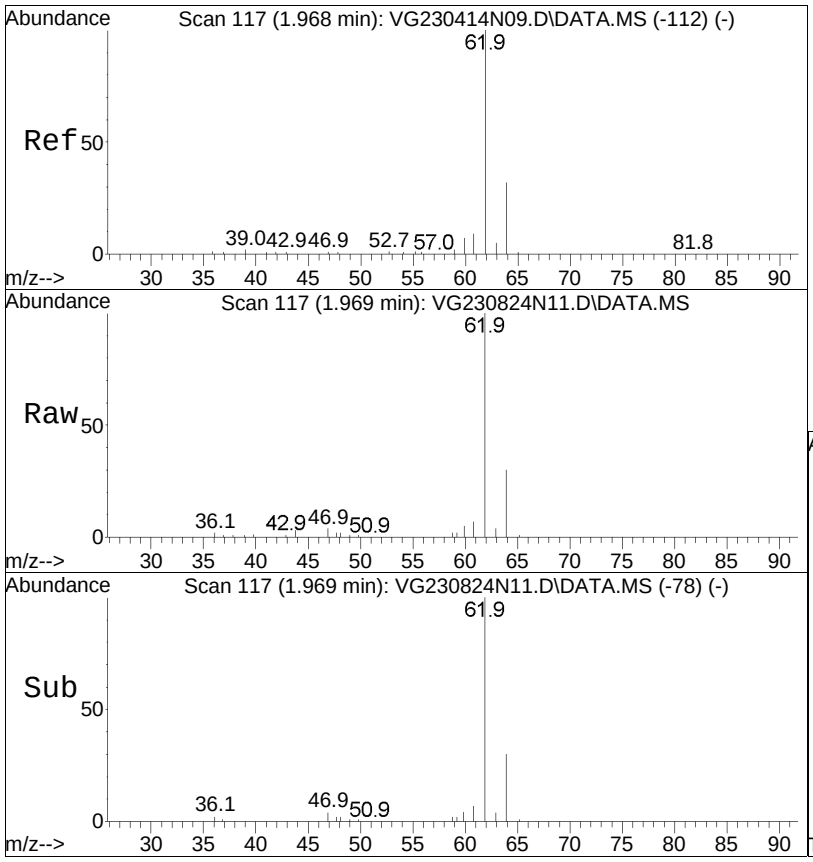
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N11.D
Acq On : 24 Aug 2023 10:11 pm
Operator : GONZO:MJV
Sample : L2348770-02,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 25 06:14:13 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

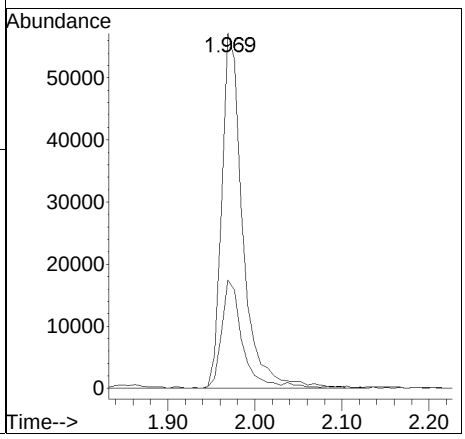


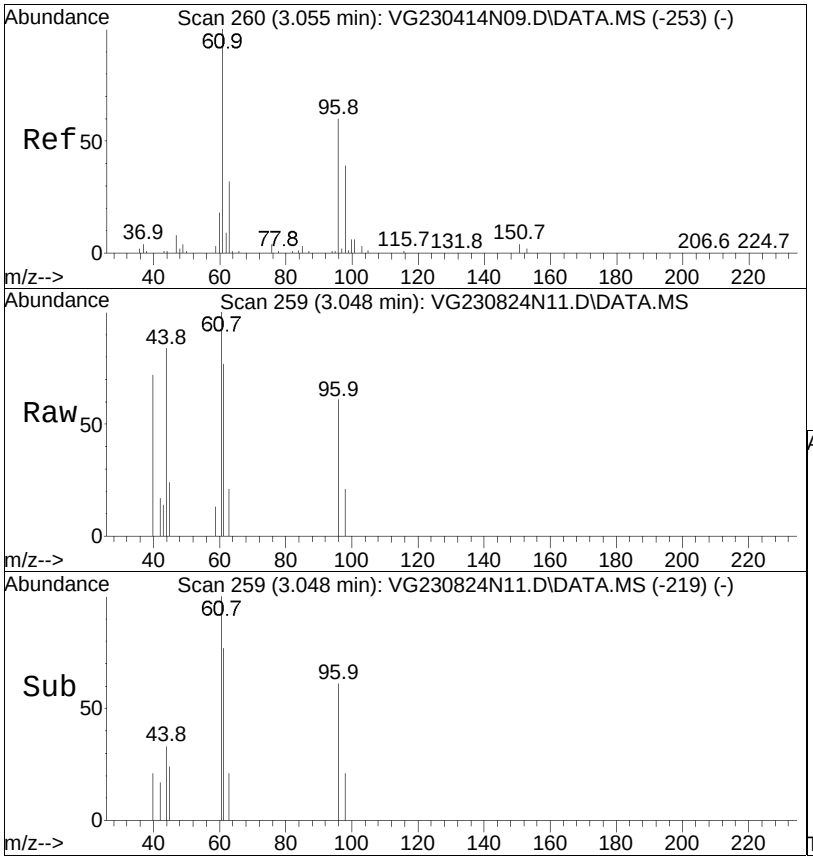


#4
Vinyl chloride
Concen: 6.29 ug/L
RT: 1.969 min Scan# 117
Delta R.T. -0.000 min
Lab File: VG230824N11.D
Acq: 24 Aug 2023 10:11 pm

Tgt Ion: 62 Resp: 96368

Ion	Ratio	Lower	Upper
62	100		
64	29.4	11.3	51.3

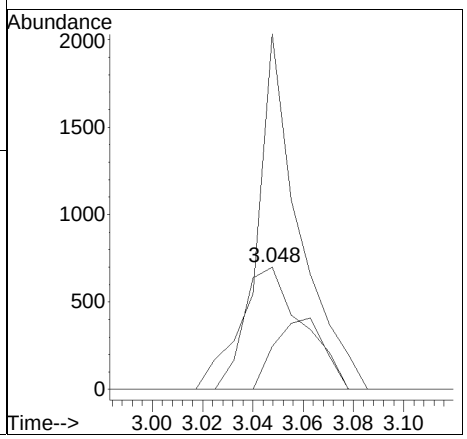


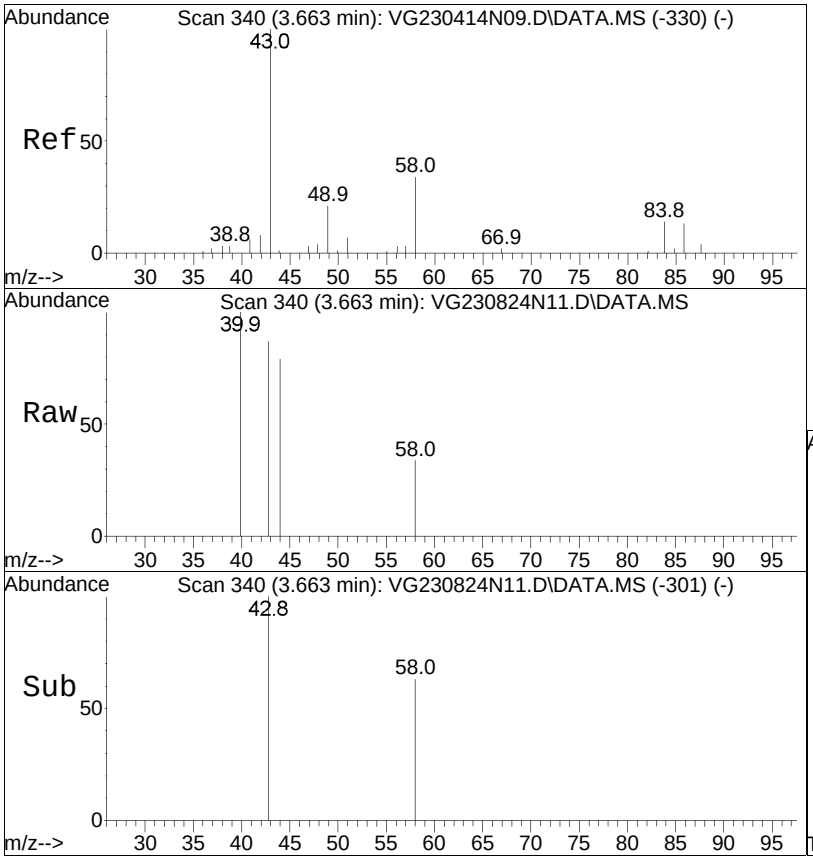


#10
1,1-Dichloroethene
Concen: 0.10 ug/L
RT: 3.048 min Scan# 259
Delta R.T. 0.001 min
Lab File: VG230824N11.D
Acq: 24 Aug 2023 10:11 pm

Tgt Ion: 96 Resp: 1132

Ion	Ratio	Lower	Upper
96	100		
61	215.0	124.2	186.4#
63	49.3	40.0	60.0

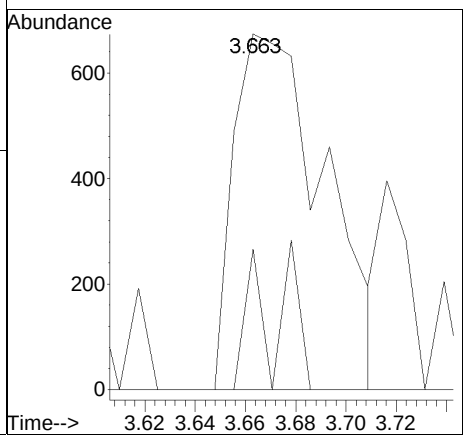


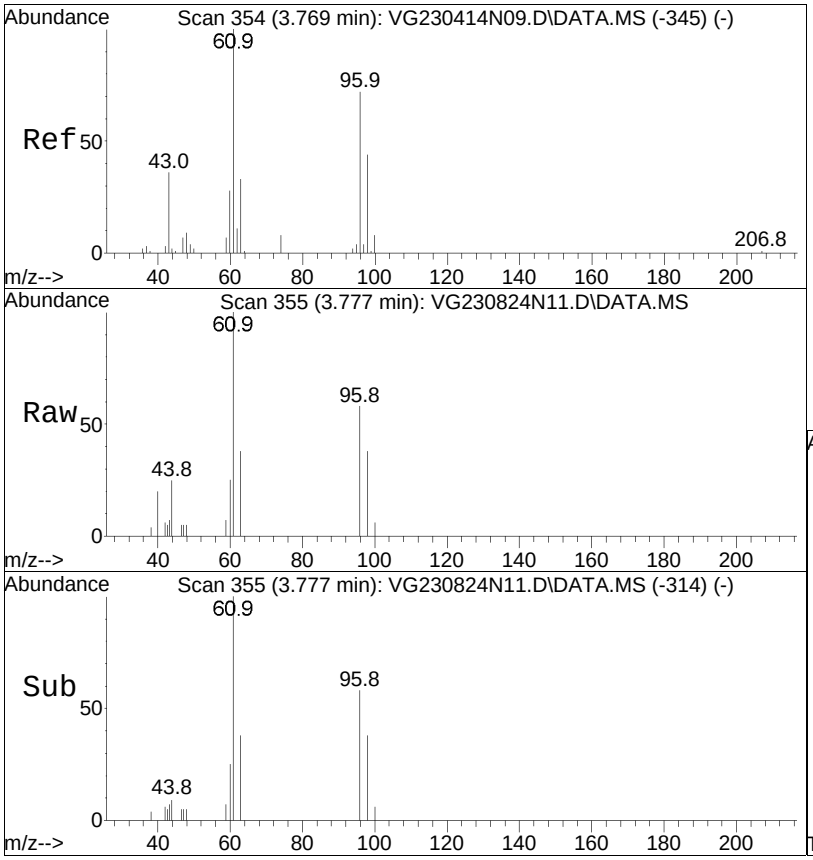


#17
Acetone
Concen: 0.35 ug/L
RT: 3.663 min Scan# 340
Delta R.T. 0.000 min
Lab File: VG230824N11.D
Acq: 24 Aug 2023 10:11 pm

Tgt Ion: 43 Resp: 1701

Ion	Ratio	Lower	Upper
43	100		
58	14.7	22.2	33.4#

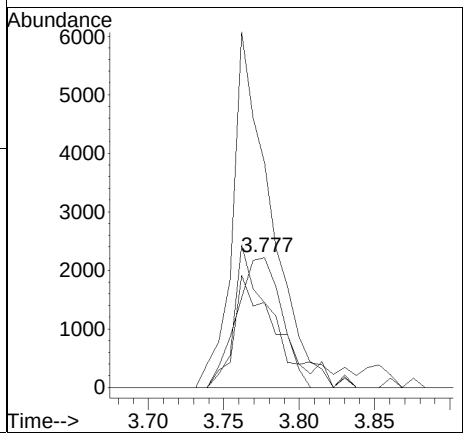


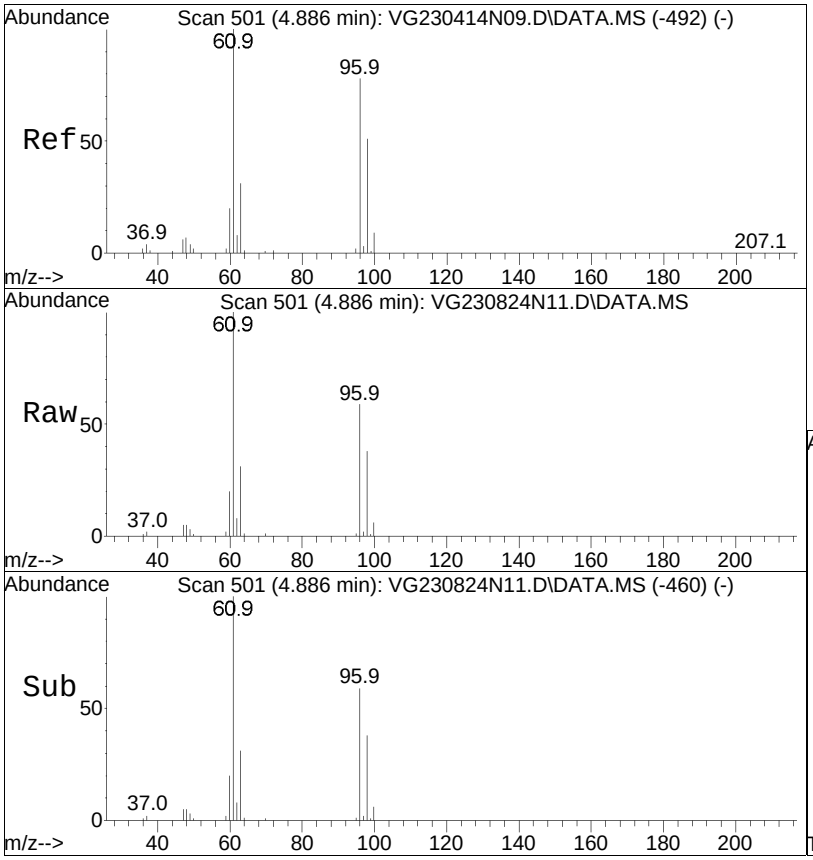


#18
trans-1,2-Dichloroethene
Concen: 0.44 ug/L
RT: 3.777 min Scan# 355
Delta R.T. 0.008 min
Lab File: VG230824N11.D
Acq: 24 Aug 2023 10:11 pm

Tgt Ion: 96 Resp: 5069

Ion	Ratio	Lower	Upper
96	100		
61	216.7	85.7	178.1#
98	83.0	40.2	83.4
63	68.4	28.0	58.2#

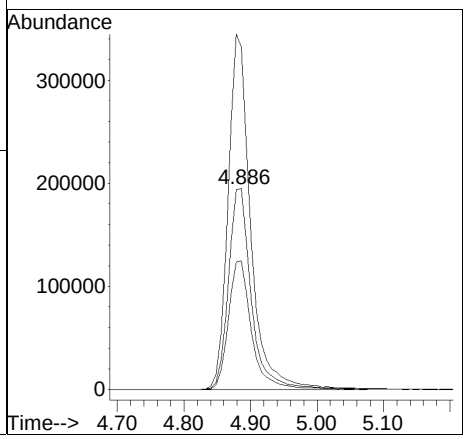


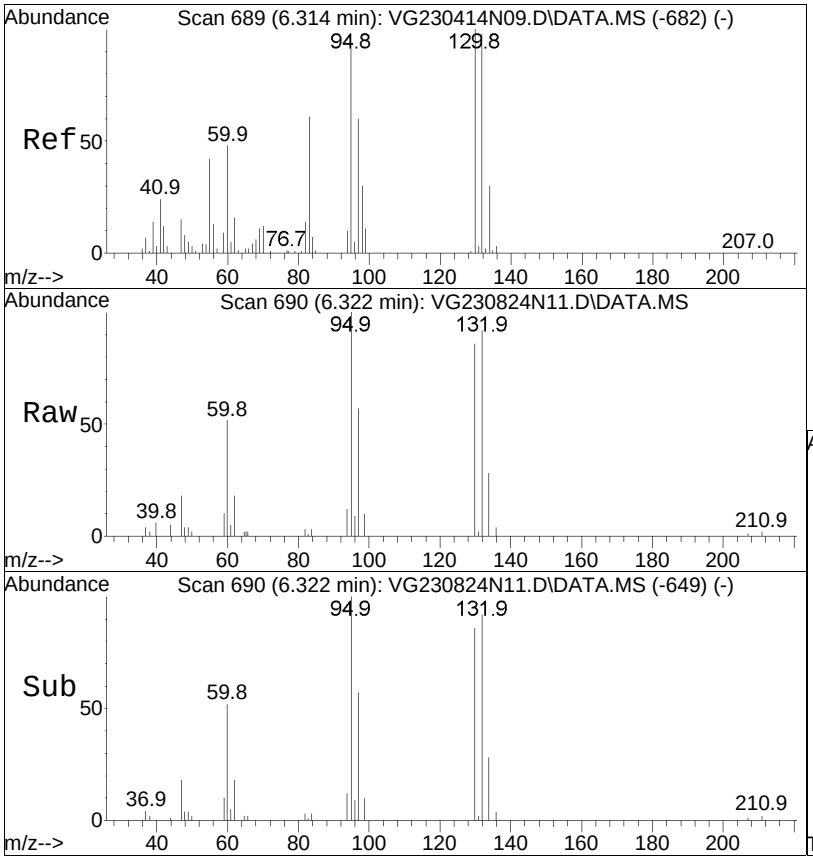


#28
cis-1,2-Dichloroethene
Concen: 34.70 ug/L
RT: 4.886 min Scan# 501
Delta R.T. 0.008 min
Lab File: VG230824N11.D
Acq: 24 Aug 2023 10:11 pm

Tgt Ion: 96 Resp: 466778

Ion	Ratio	Lower	Upper
96	100		
61	174.0	96.6	144.8#
98	64.7	51.3	76.9

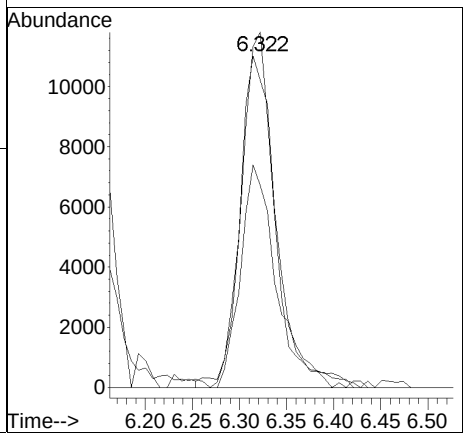


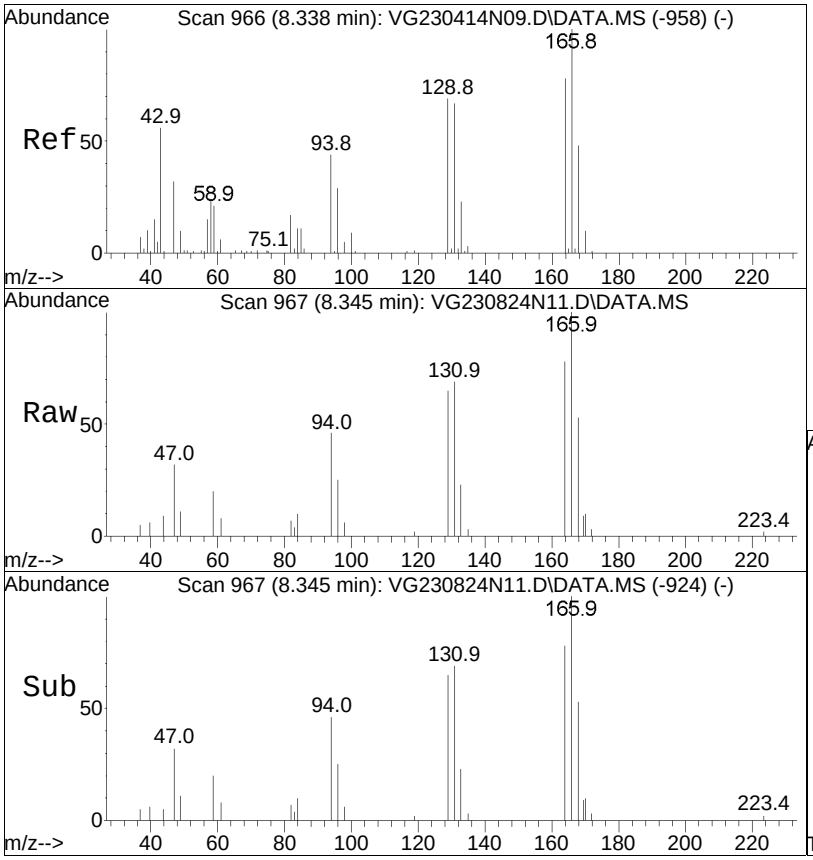


#48
Trichloroethene
Concen: 1.96 ug/L
RT: 6.322 min Scan# 690
Delta R.T. 0.008 min
Lab File: VG230824N11.D
Acq: 24 Aug 2023 10:11 pm

Tgt Ion: 95 Resp: 29431

Ion	Ratio	Lower	Upper
95	100		
97	66.8	54.0	81.0
130	101.4	85.0	127.4

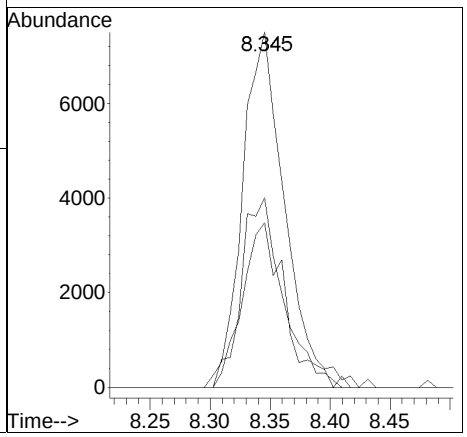




#63
Tetrachloroethene
Concen: 1.26 ug/L
RT: 8.345 min Scan# 967
Delta R.T. 0.007 min
Lab File: VG230824N11.D
Acq: 24 Aug 2023 10:11 pm

Tgt Ion:166 Resp: 18516

Ion	Ratio	Lower	Upper
166	100		
168	52.2	27.3	67.3
94	47.0	20.5	60.5



Manual Integration Report

Data Path	: K:\Gonzo\2023\230824N\	QMethod	: G_230726N_8260.m
Data File	: VG230824N11.D	Operator	: GONZO:MJV
Date Inj'd	: 8/24/2023 10:11 pm	Instrument	: Gonzo
Sample	: L2348770-02,31,10,10,,A	Quant Date	: 8/25/2023 6:02 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N12.D
Acq On : 24 Aug 2023 10:35 pm
Operator : GONZO:MJV
Sample : L2348770-03,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 25 06:14:49 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	513148	10.000	ug/L	0.00
Standard Area 1 = 611548			Recovery =	83.91%		
59) Chlorobenzene-d5	9.686	117	474756	10.000	ug/L	0.00
Standard Area 1 = 553536			Recovery =	85.77%		
79) 1,4-Dichlorobenzene-d4	12.360	152	284046	10.000	ug/L	0.00
Standard Area 1 = 332996			Recovery =	85.30%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	154164	11.708	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	117.08%		
43) 1,2-Dichloroethane-d4	5.858	65	206701	12.327	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	123.27%		
60) Toluene-d8	7.836	98	576668	9.574	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.74%		
83) 4-Bromofluorobenzene	11.167	95	238771	9.271	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.71%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d		
3) Chloromethane	1.930	50	335	N.D.		
4) Vinyl chloride	1.976	62	11582	0.780	ug/L	78
5) Bromomethane	2.288	94	1003	0.133	ug/L #	64
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	3.055	96	1178	0.112	ug/L	99
11) Carbon disulfide	0.000		0	N.D. d		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.678	43	1543	0.327	ug/L	91
18) trans-1,2-Dichloroethene	3.777	96	12182	1.081	ug/L	73
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	3.845	73	149	N.D.		
23) 1,1-Dichloroethane	4.362	63	15070	0.615	ug/L	98
28) cis-1,2-Dichloroethene	4.886	96	866074	66.431	ug/L #	67
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	5.068	56	228	N.D.		
32) Chloroform	5.152	83	257	N.D.		
34) Carbon tetrachloride	5.342	117	145	N.D.		

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N12.D
Acq On : 24 Aug 2023 10:35 pm
Operator : GONZO:MJV
Sample : L2348770-03,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 25 06:14:49 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	5.349	97	2439	0.128	ug/L #	69
39) 2-Butanone	0.000		0	N.D.	d	
41) Benzene	5.729	78	3356	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
47) Methyl cyclohexane	0.000		0	N.D.	d	
48) Trichloroethene	6.314	95	75796	5.216	ug/L	97
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.836	92	177	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.338	166	87596	6.084	ug/L	97
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	8.538	83	75	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	9.068	107	65	N.D.		
72) 2-Hexanone	9.369	43	471	N.D.		
73) Chlorobenzene	9.695	112	221	N.D.		
74) Ethylbenzene	9.760	91	354	N.D.		
76) p/m Xylene	9.925	106	75	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	11.192	83	83	N.D.		
100) 1,3-Dichlorobenzene	12.393	146	88	N.D.		
101) 1,4-Dichlorobenzene	12.393	146	88	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	14.672	180	87	N.D.		

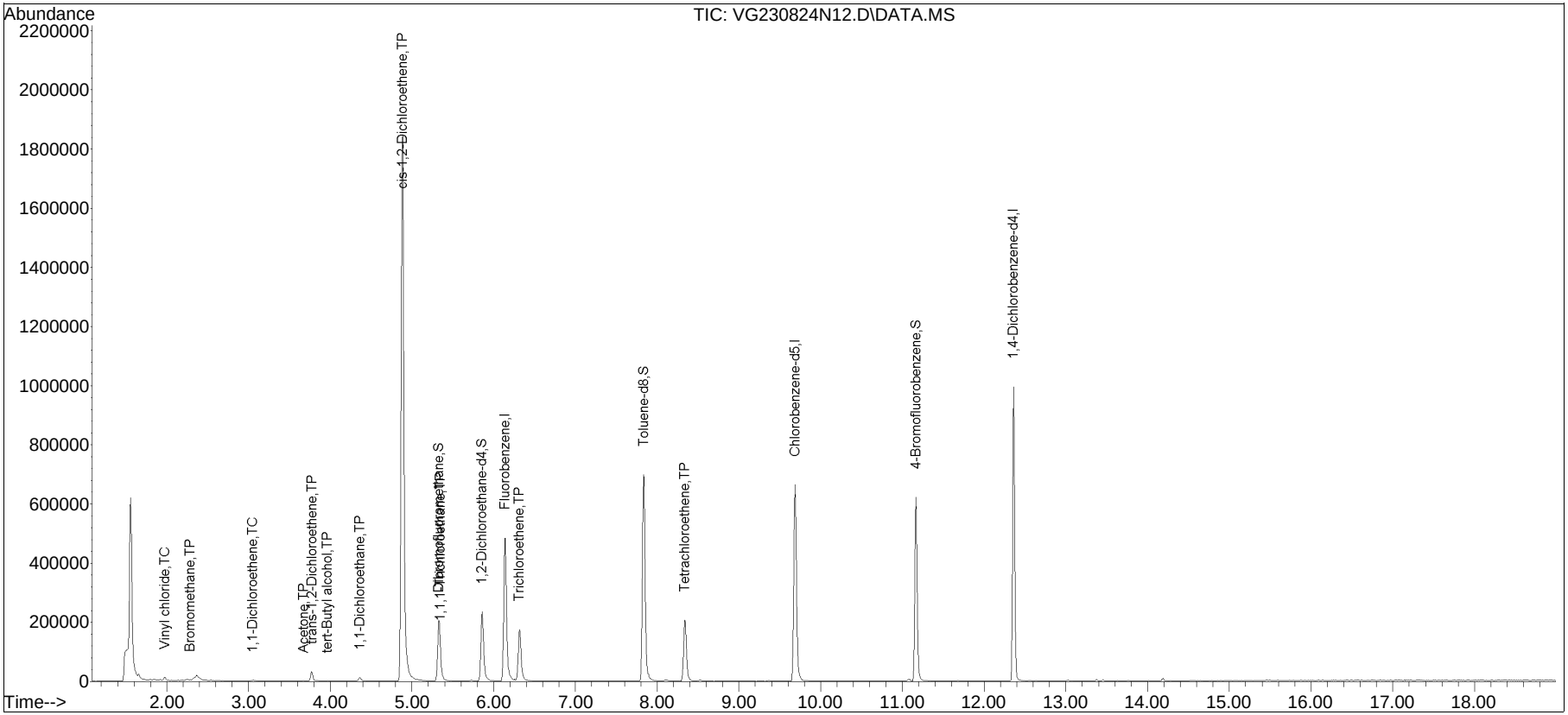
(#) = qualifier out of range (m) = manual integration (+) = signals summed

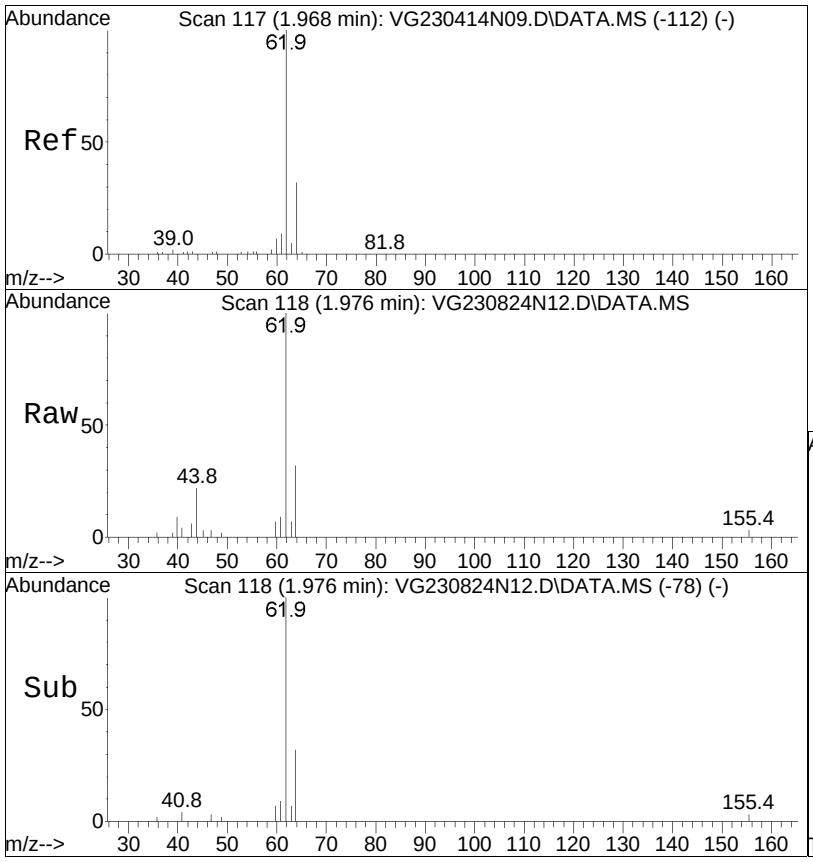
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N12.D
Acq On : 24 Aug 2023 10:35 pm
Operator : GONZO:MJV
Sample : L2348770-03,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 25 06:14:49 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

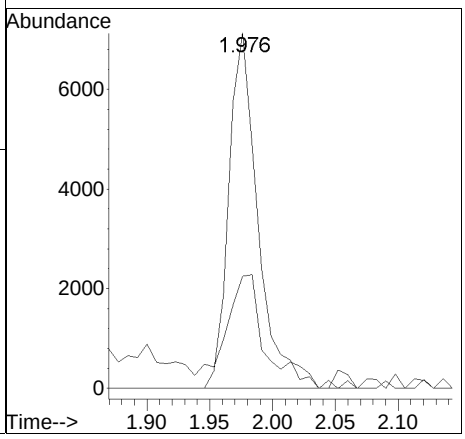


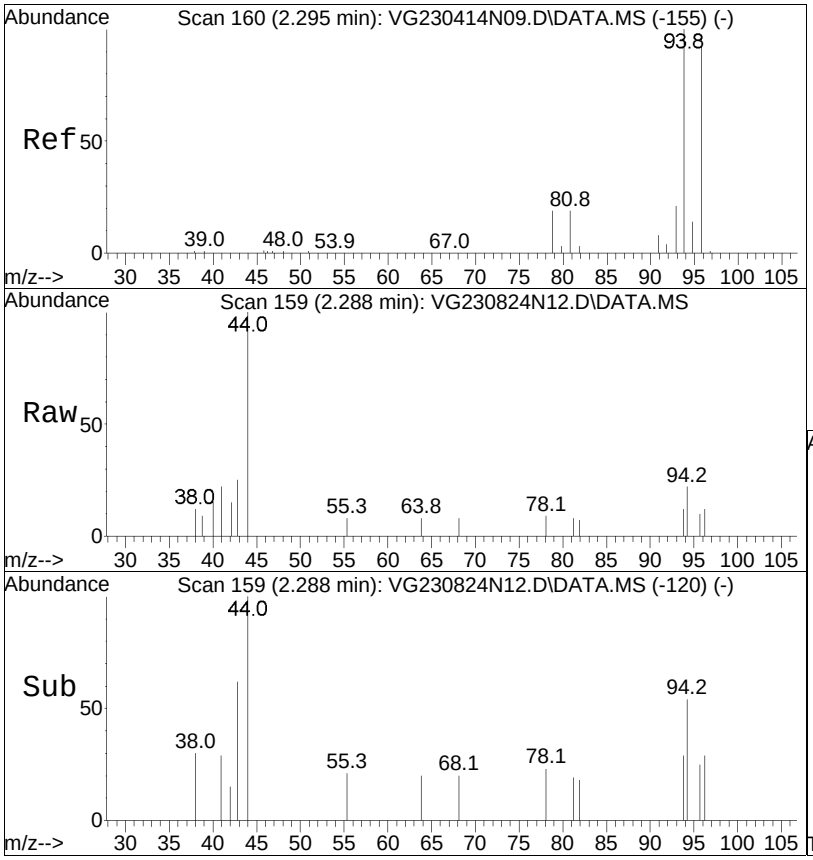


#4
Vinyl chloride
Concen: 0.78 ug/L
RT: 1.976 min Scan# 118
Delta R.T. 0.007 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion: 62 Resp: 11582

Ion	Ratio	Lower	Upper
62	100		
64	43.6	11.3	51.3

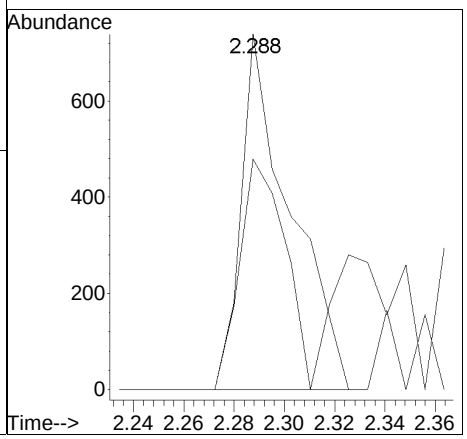


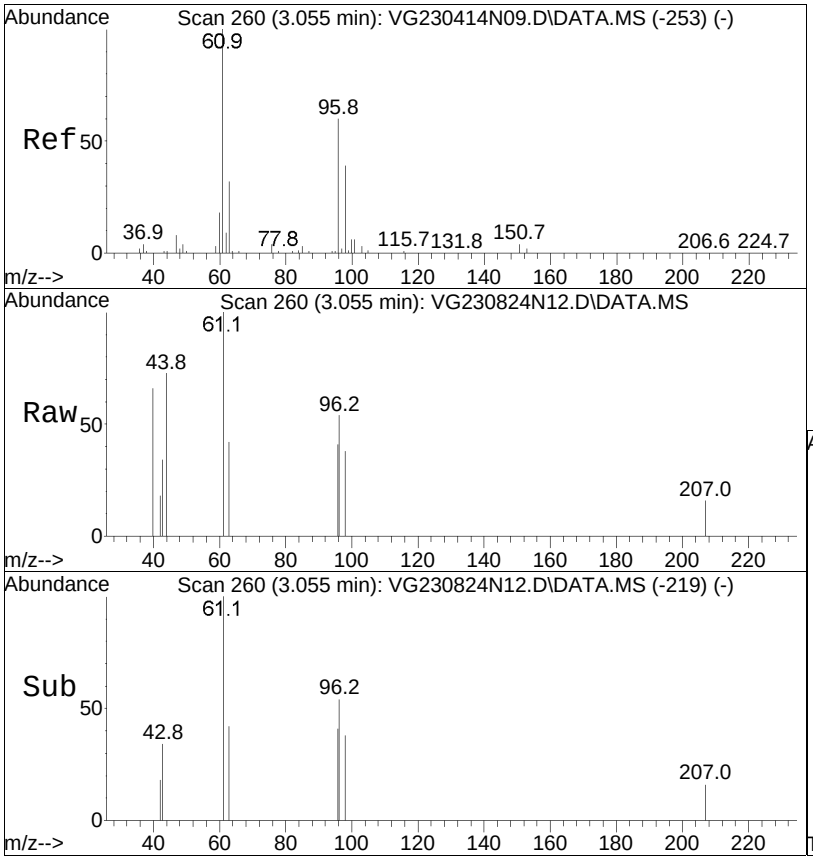


#5
Bromomethane
Concen: 0.13 ug/L
RT: 2.288 min Scan# 159
Delta R.T. -0.000 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion: 94 Resp: 1003

Ion	Ratio	Lower	Upper
94	100		
96	60.1	75.2	115.2#

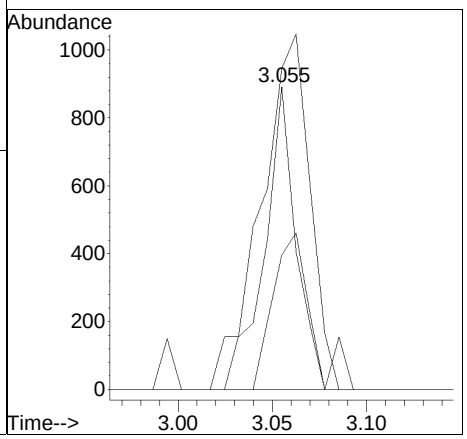


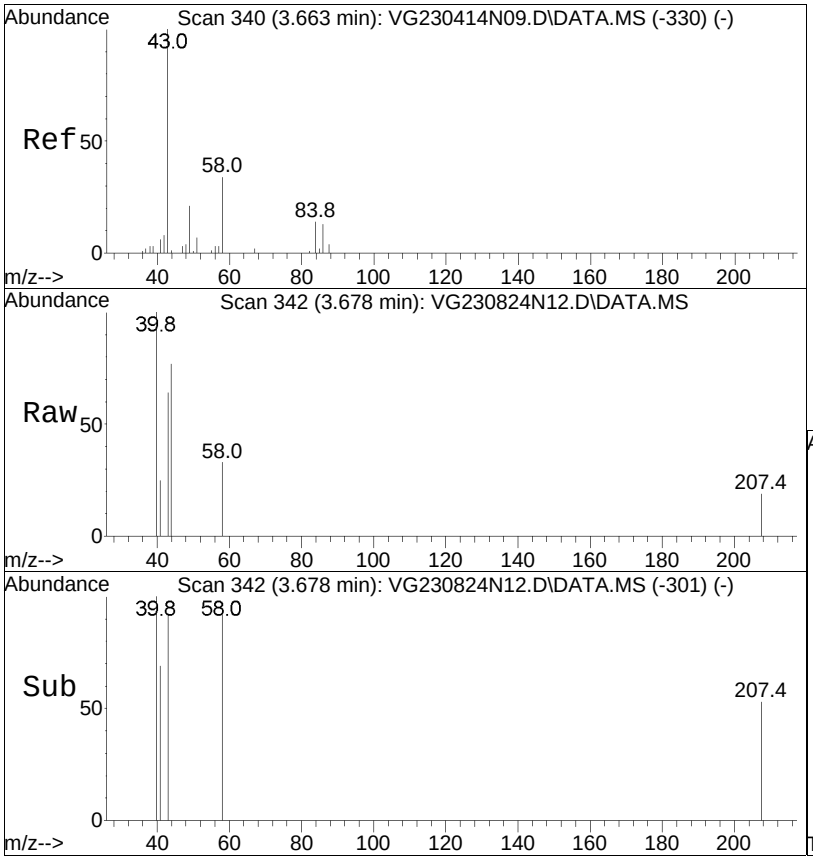


#10
1,1-Dichloroethene
Concen: 0.11 ug/L
RT: 3.055 min Scan# 260
Delta R.T. 0.008 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion: 96 Resp: 1178

Ion	Ratio	Lower	Upper
96	100		
61	154.1	124.2	186.4
63	49.3	40.0	60.0

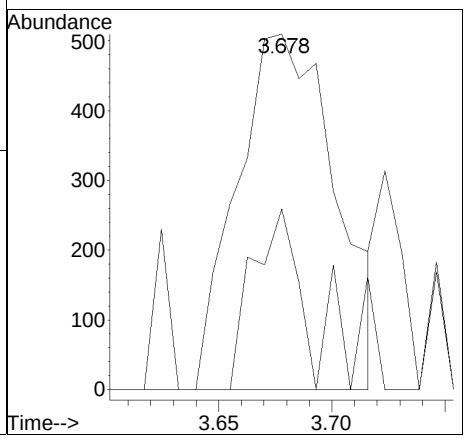


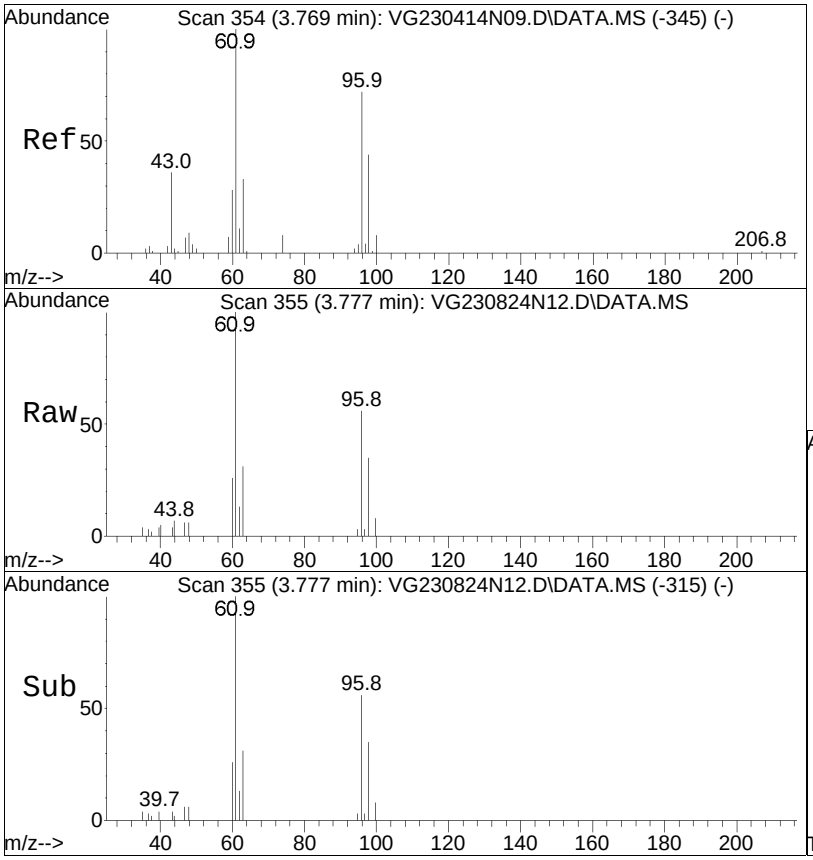


#17
Acetone
Concen: 0.33 ug/L
RT: 3.678 min Scan# 342
Delta R.T. 0.015 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion: 43 Resp: 1543

Ion	Ratio	Lower	Upper
43	100		
58	23.1	22.2	33.4

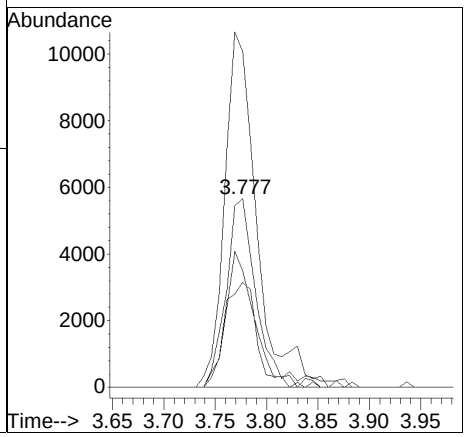


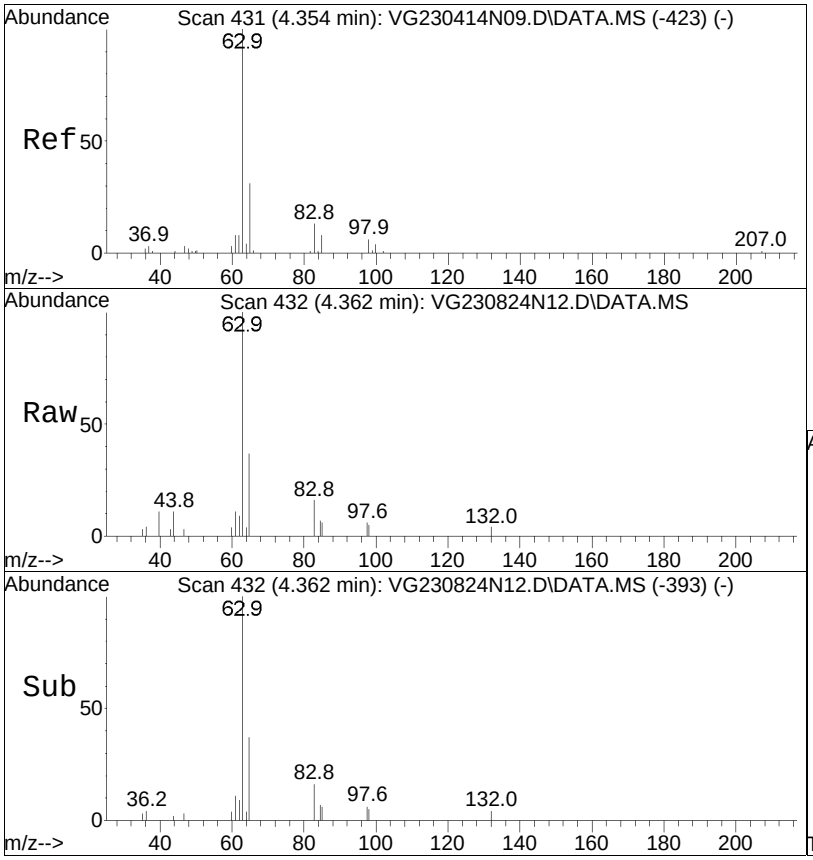


#18
trans-1,2-Dichloroethene
Concen: 1.08 ug/L
RT: 3.777 min Scan# 355
Delta R.T. 0.008 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion: 96 Resp: 12182

Ion	Ratio	Lower	Upper
96	100		
61	177.5	85.7	178.1
98	64.8	40.2	83.4
63	57.0	28.0	58.2

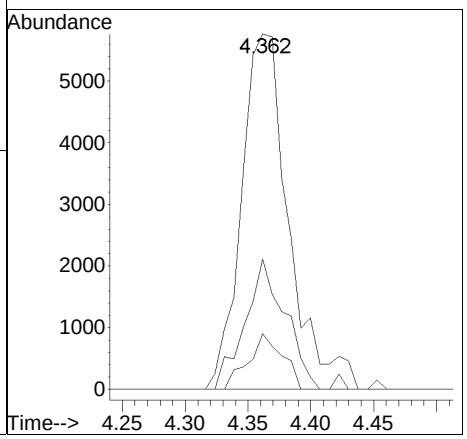


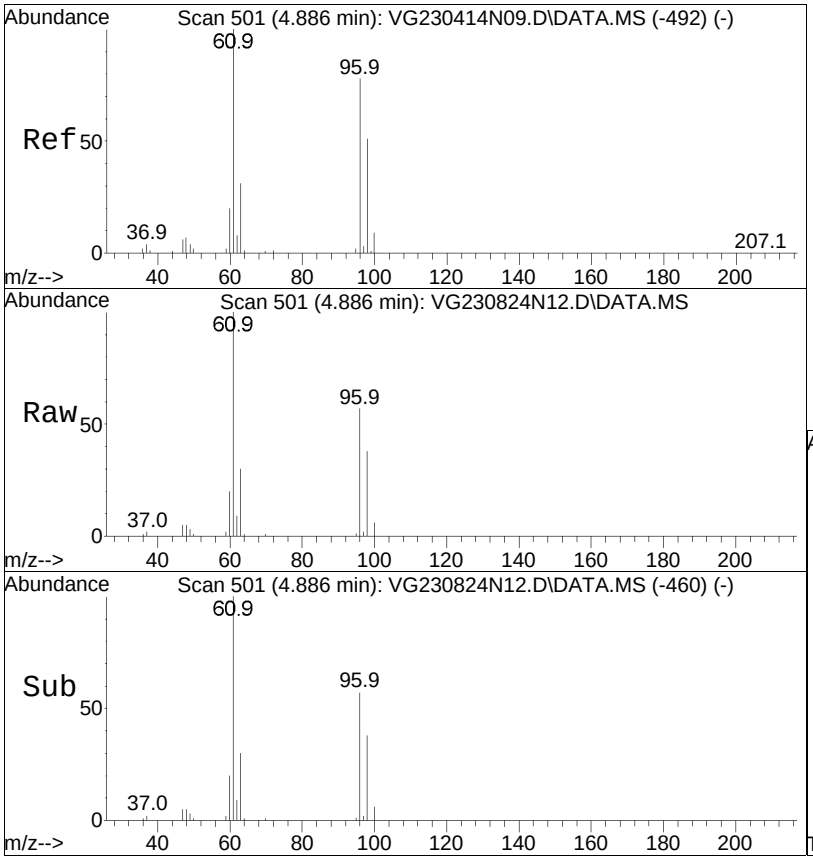


#23
1,1-Dichloroethane
Concen: 0.61 ug/L
RT: 4.362 min Scan# 432
Delta R.T. -0.000 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion: 63 Resp: 15070

Ion	Ratio	Lower	Upper
63	100		
65	31.1	10.4	50.4
83	11.5	0.0	33.2

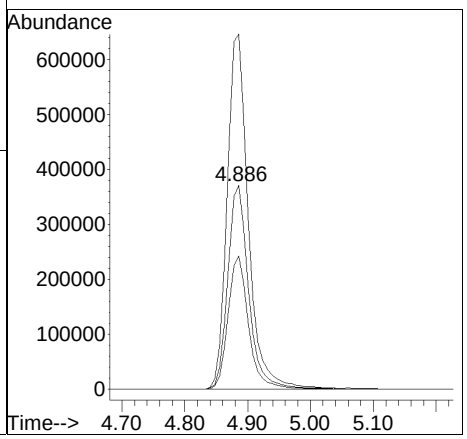


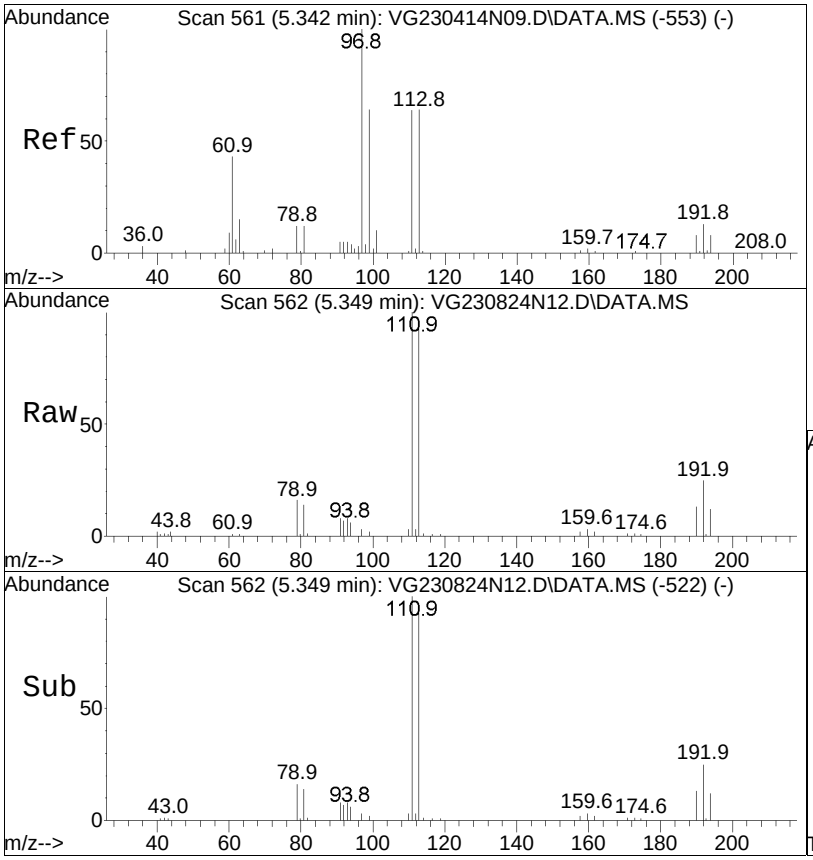


#28
cis-1,2-Dichloroethene
Concen: 66.43 ug/L
RT: 4.886 min Scan# 501
Delta R.T. 0.008 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion: 96 Resp: 866074

Ion	Ratio	Lower	Upper
96	100		
61	176.5	96.6	144.8#
98	64.4	51.3	76.9

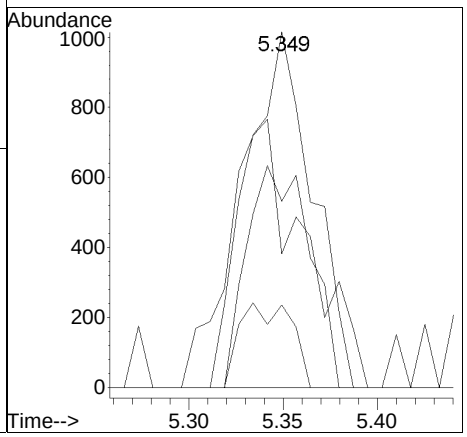


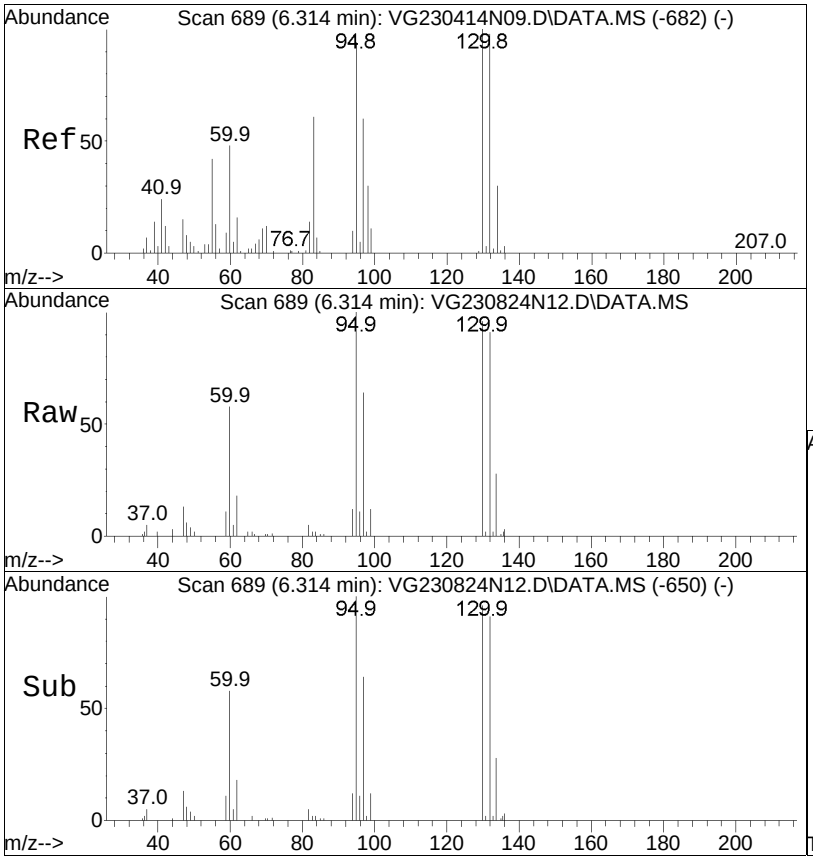


#37
1,1,1-Trichloroethane
Concen: 0.13 ug/L
RT: 5.349 min Scan# 562
Delta R.T. 0.007 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion: 97 Resp: 2439

Ion	Ratio	Lower	Upper
97	100		
99	60.2	41.3	85.7
61	88.1	26.0	54.0#
63	18.9	8.6	18.0#

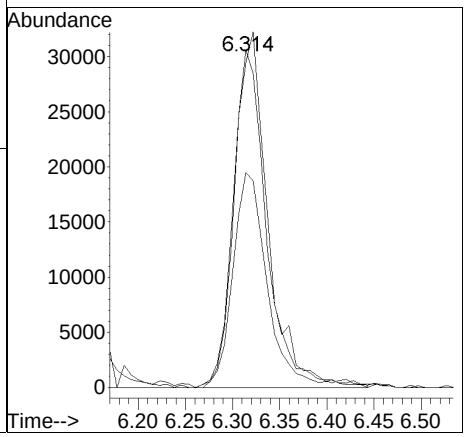


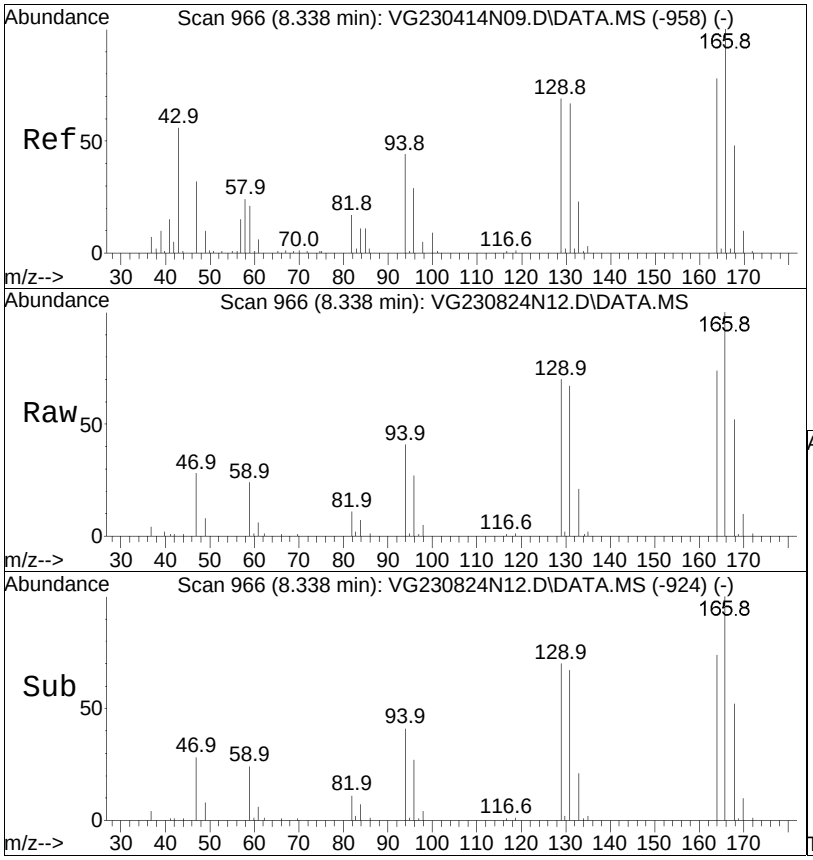


#48
Trichloroethene
Concen: 5.22 ug/L
RT: 6.314 min Scan# 689
Delta R.T. 0.000 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion: 95 Resp: 75796

Ion	Ratio	Lower	Upper
95	100		
97	65.5	54.0	81.0
130	103.3	85.0	127.4

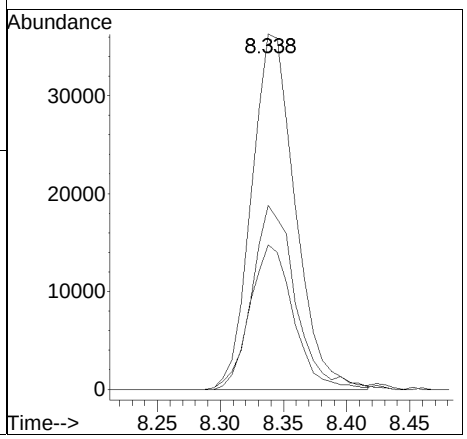




#63
Tetrachloroethene
Concen: 6.08 ug/L
RT: 8.338 min Scan# 966
Delta R.T. -0.000 min
Lab File: VG230824N12.D
Acq: 24 Aug 2023 10:35 pm

Tgt Ion:166 Resp: 87596

Ion	Ratio	Lower	Upper
166	100		
168	51.3	27.3	67.3
94	40.7	20.5	60.5



Manual Integration Report

Data Path	: K:\Gonzo\2023\230824N\	QMethod	: G_230726N_8260.m
Data File	: VG230824N12.D	Operator	: GONZO:MJV
Date Inj'd	: 8/24/2023 10:35 pm	Instrument	: Gonzo
Sample	: L2348770-03,31,10,10,,A	Quant Date	: 8/25/2023 6:02 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N13.D
Acq On : 24 Aug 2023 10:59 pm
Operator : GONZO:MJV
Sample : L2348770-04D,31,5.0,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 25 06:15:26 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.139	96	526300	10.000 ug/L	0.00
Standard Area 1 = 611548			Recovery = 86.06%		
59) Chlorobenzene-d5	9.686	117	474871	10.000 ug/L	0.00
Standard Area 1 = 553536			Recovery = 85.79%		
79) 1,4-Dichlorobenzene-d4	12.360	152	282324	10.000 ug/L	0.00
Standard Area 1 = 332996			Recovery = 84.78%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.326	113	154083	11.410 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.10%		
43) 1,2-Dichloroethane-d4	5.858	65	204364	11.883 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 118.83%		
60) Toluene-d8	7.836	98	569336	9.450 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.50%		
83) 4-Bromofluorobenzene	11.167	95	232983	9.102 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.02%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.490	85	557	N.D.	
3) Chloromethane	1.915	50	804	N.D.	
4) Vinyl chloride	1.976	62	92818	6.091 ug/L	92
5) Bromomethane	0.000		0	N.D. d	
6) Chloroethane	2.280	64	115	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	3.047	96	942	0.087 ug/L #	19
11) Carbon disulfide	0.000		0	N.D. d	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.632	84	81	N.D.	
17) Acetone	3.685	43	2081	0.430 ug/L #	61
18) trans-1,2-Dichloroethene	3.777	96	12601	1.091 ug/L #	70
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D. d	
23) 1,1-Dichloroethane	4.362	63	133	N.D.	
28) cis-1,2-Dichloroethene	4.886	96	1314612	98.315 ug/L #	67
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	5.159	83	1040	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N13.D
Acq On : 24 Aug 2023 10:59 pm
Operator : GONZO:MJV
Sample : L2348770-04D,31,5.0,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 25 06:15:26 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	5.357	97	829	N.D.		
39) 2-Butanone	5.425	43	99	N.D.		
41) Benzene	5.729	78	384	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
47) Methyl cyclohexane	0.000		0	N.D.	d	
48) Trichloroethene	6.314	95	253253	16.991	ug/L	97
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.901	92	233	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
63) Tetrachloroethene	8.338	166	1168004	81.108	ug/L	96
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
69) Chlorodibromomethane	8.789	129	74	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.312	43	243	N.D.		
73) Chlorobenzene	9.719	112	222	N.D.		
74) Ethylbenzene	9.769	91	417	N.D.		
76) p/m Xylene	9.950	106	85	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.871	105	108	N.D.		
87) 1,1,2,2-Tetrachloroethane	11.167	83	95	N.D.		
100) 1,3-Dichlorobenzene	12.352	146	78	N.D.		
101) 1,4-Dichlorobenzene	12.376	146	104	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.235	180	223	N.D.		
111) 1,2,3-Trichlorobenzene	14.671	180	90	N.D.		

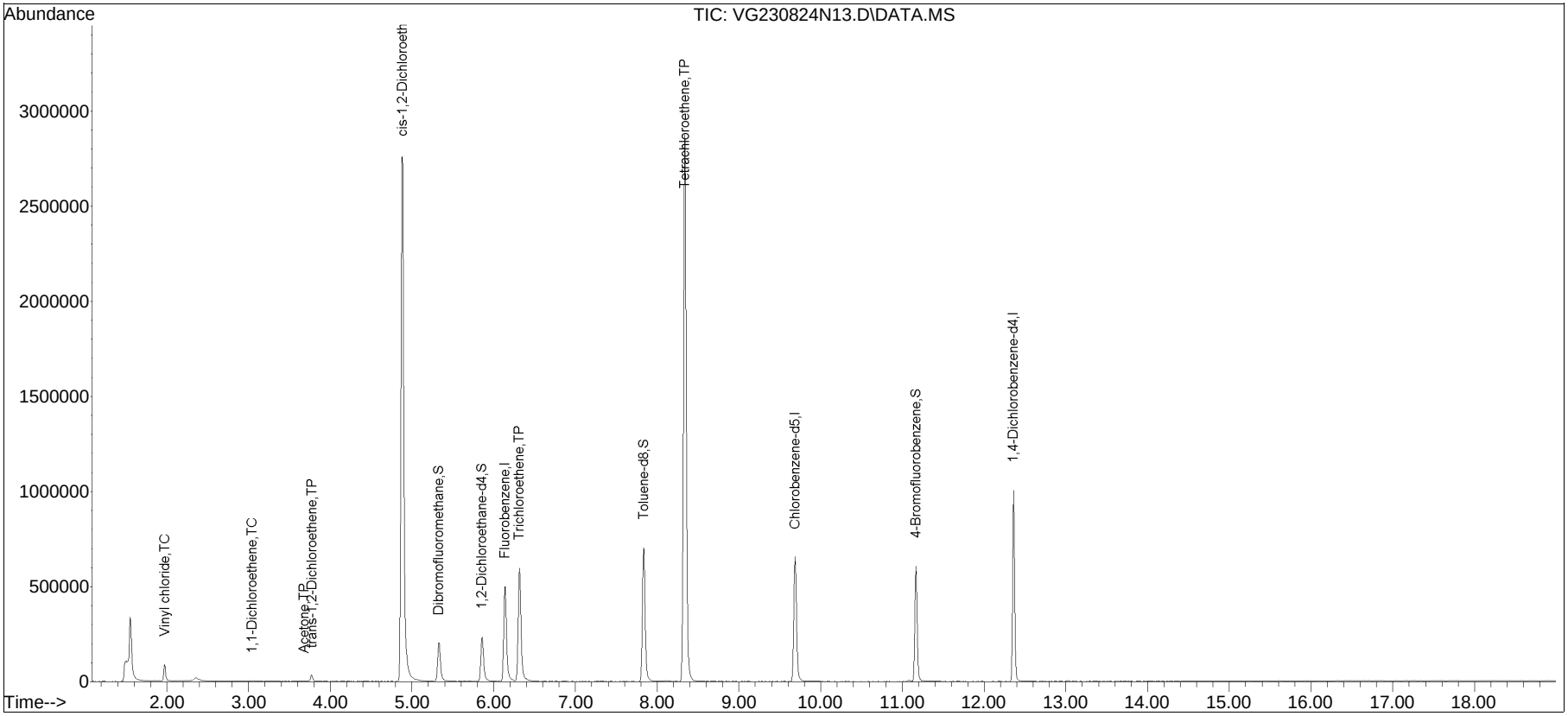
(#) = qualifier out of range (m) = manual integration (+) = signals summed

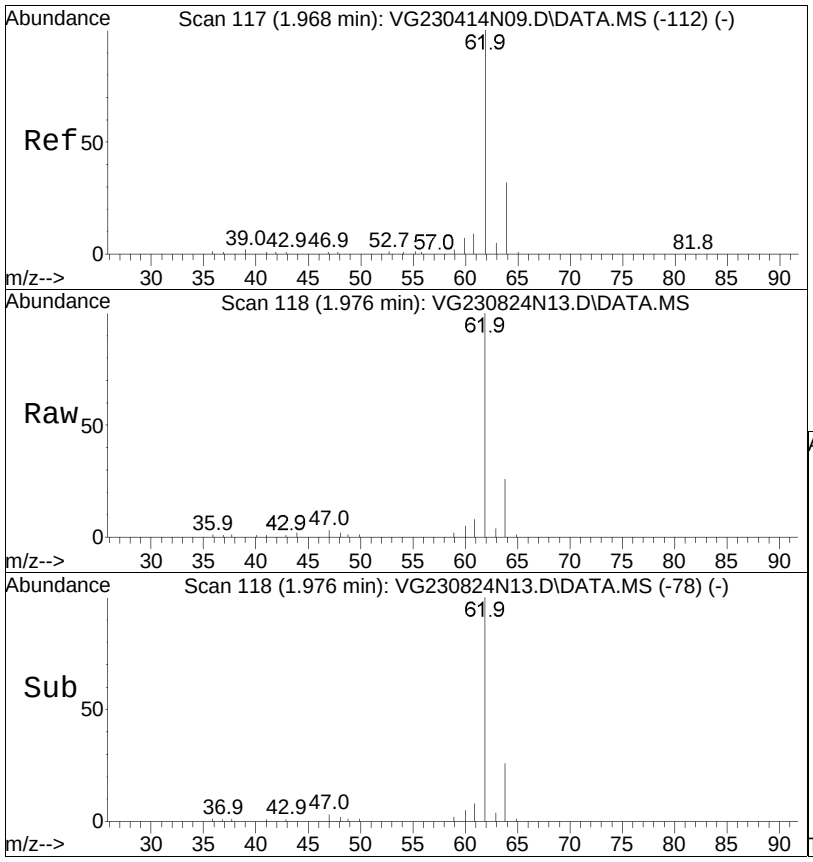
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N13.D
Acq On : 24 Aug 2023 10:59 pm
Operator : GONZO:MJV
Sample : L2348770-04D,31,5.0,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 25 06:15:26 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

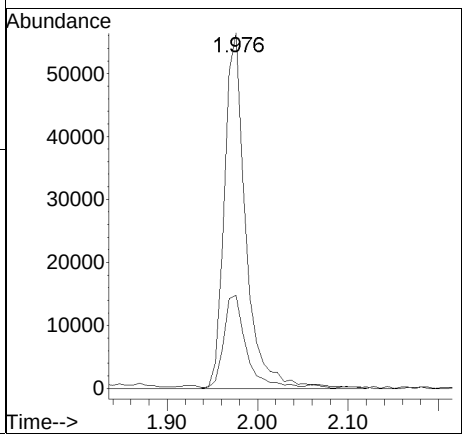


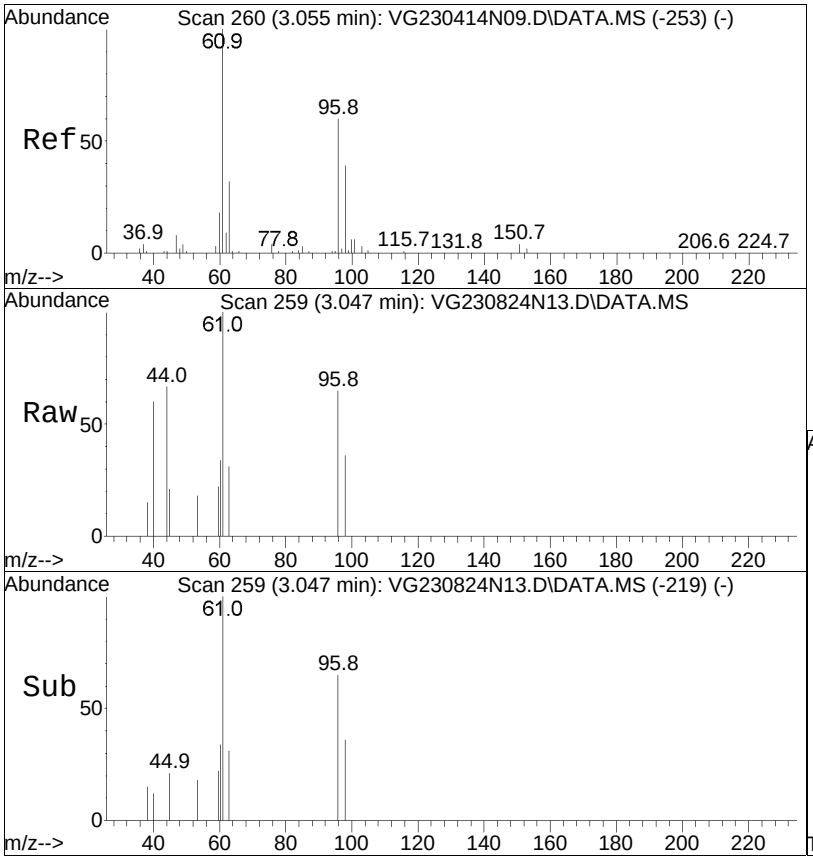


#4
Vinyl chloride
Concen: 6.09 ug/L
RT: 1.976 min Scan# 118
Delta R.T. 0.007 min
Lab File: VG230824N13.D
Acq: 24 Aug 2023 10:59 pm

Tgt Ion: 62 Resp: 92818

Ion	Ratio	Lower	Upper
62	100		
64	27.0	11.3	51.3

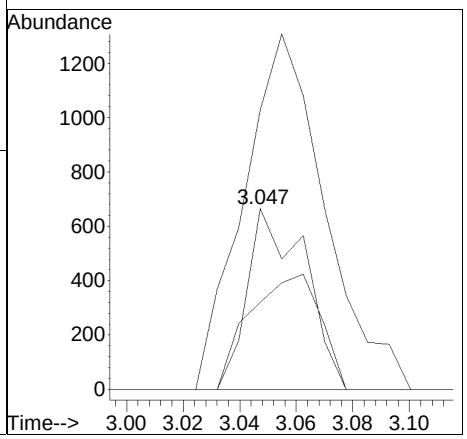


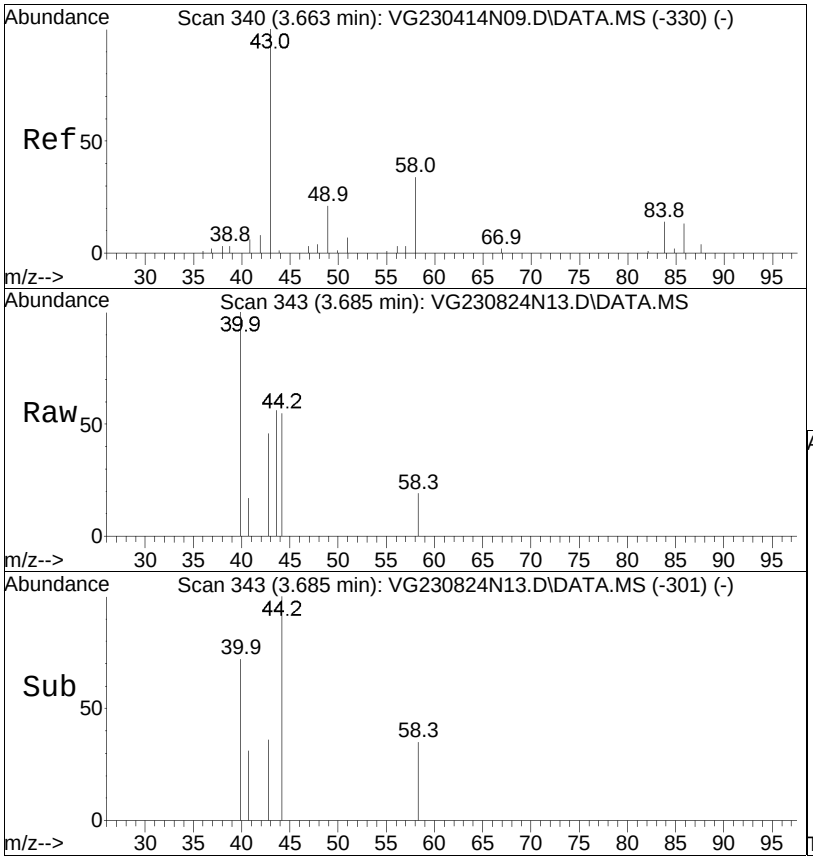


#10
1,1-Dichloroethene
Concen: 0.09 ug/L
RT: 3.047 min Scan# 259
Delta R.T. 0.000 min
Lab File: VG230824N13.D
Acq: 24 Aug 2023 10:59 pm

Tgt Ion: 96 Resp: 942

Ion	Ratio	Lower	Upper
96	100		
61	277.3	124.2	186.4#
63	78.2	40.0	60.0#

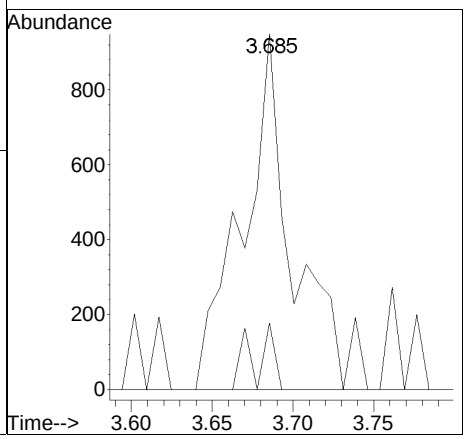


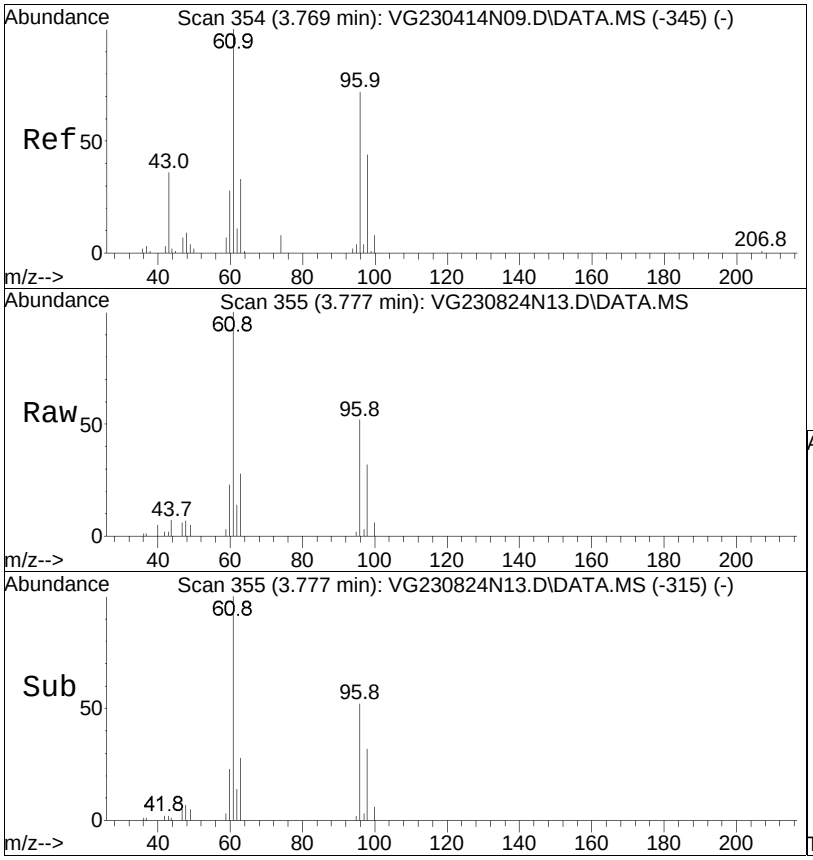


#17
Acetone
Concen: 0.43 ug/L
RT: 3.685 min Scan# 343
Delta R.T. 0.022 min
Lab File: VG230824N13.D
Acq: 24 Aug 2023 10:59 pm

Tgt Ion: 43 Resp: 2081

Ion	Ratio	Lower	Upper
43	100		
58	7.5	22.2	33.4#

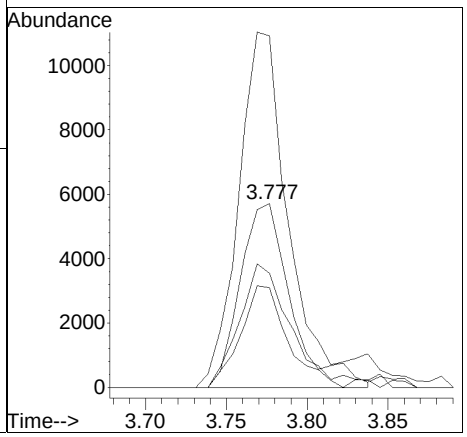


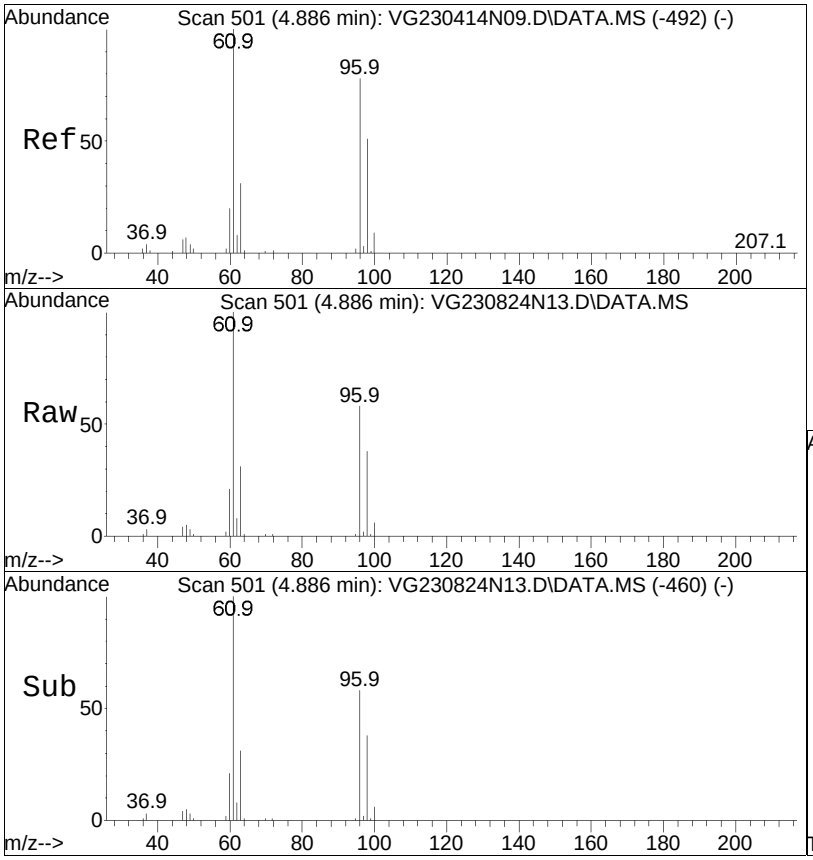


#18
trans-1,2-Dichloroethene
Concen: 1.09 ug/L
RT: 3.777 min Scan# 355
Delta R.T. 0.008 min
Lab File: VG230824N13.D
Acq: 24 Aug 2023 10:59 pm

Tgt Ion: 96 Resp: 12601

Ion	Ratio	Lower	Upper
96	100		
61	185.8	85.7	178.1#
98	68.1	40.2	83.4
63	50.9	28.0	58.2

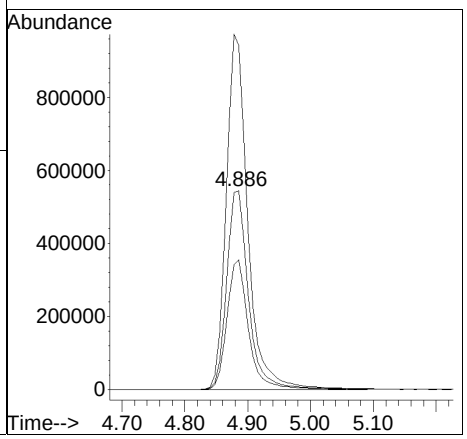


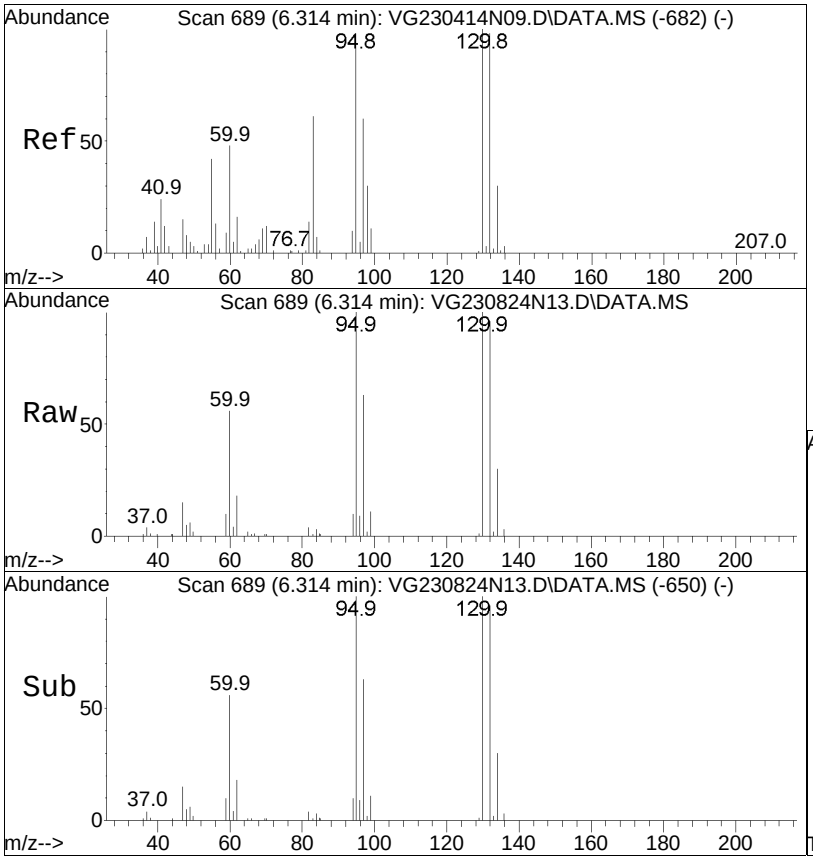


#28
cis-1,2-Dichloroethene
Concen: 98.31 ug/L
RT: 4.886 min Scan# 501
Delta R.T. 0.008 min
Lab File: VG230824N13.D
Acq: 24 Aug 2023 10:59 pm

Tgt Ion: 96 Resp: 1314612

Ion	Ratio	Lower	Upper
96	100		
61	176.6	96.6	144.8#
98	64.2	51.3	76.9

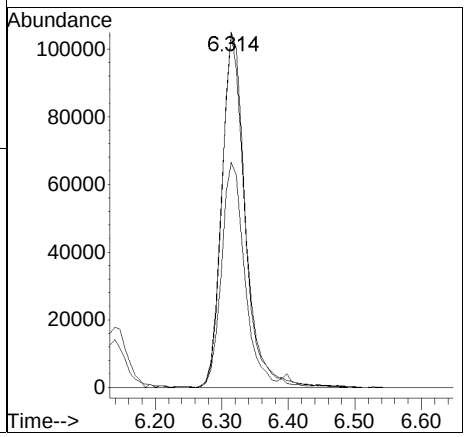


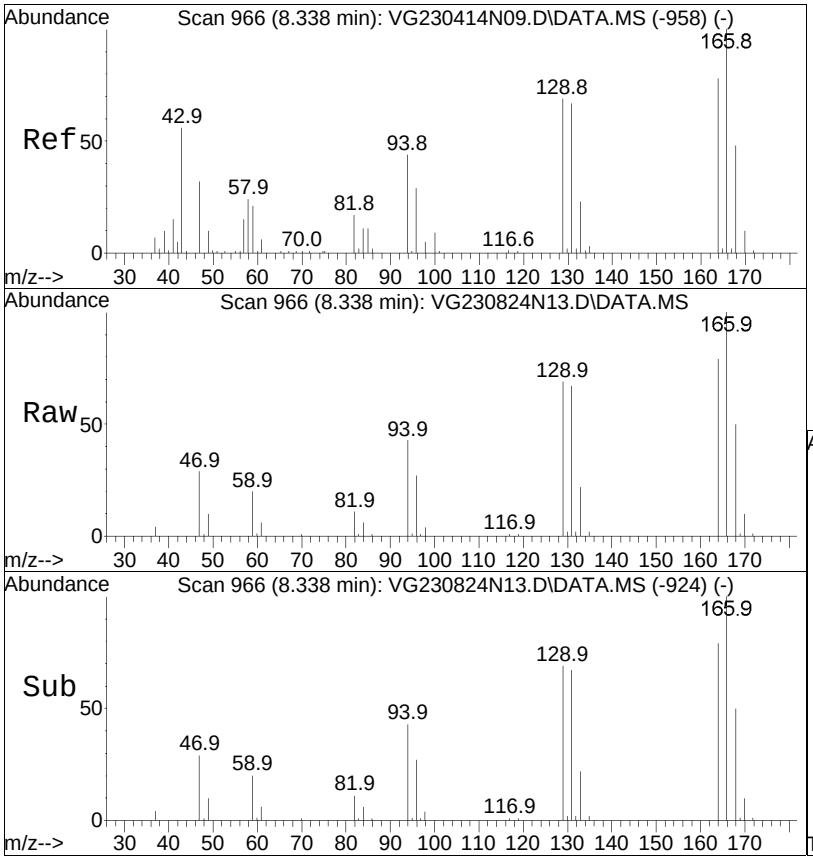


#48
Trichloroethene
Concen: 16.99 ug/L
RT: 6.314 min Scan# 689
Delta R.T. 0.000 min
Lab File: VG230824N13.D
Acq: 24 Aug 2023 10:59 pm

Tgt Ion: 95 Resp: 253253

Ion	Ratio	Lower	Upper
95	100		
97	64.9	54.0	81.0
130	102.7	85.0	127.4

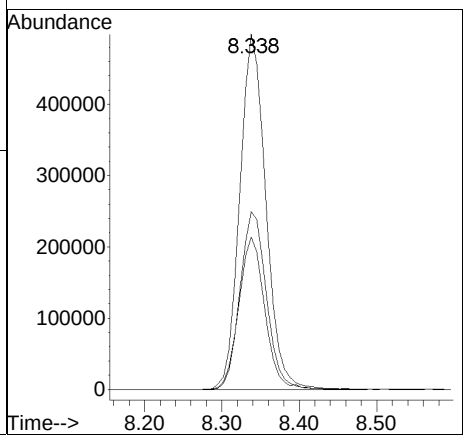




#63
Tetrachloroethene
Concen: 81.11 ug/L
RT: 8.338 min Scan# 966
Delta R.T. -0.000 min
Lab File: VG230824N13.D
Acq: 24 Aug 2023 10:59 pm

Tgt Ion:166 Resp: 1168004

Ion	Ratio	Lower	Upper
166	100		
168	50.7	27.3	67.3
94	42.8	20.5	60.5



Manual Integration Report

Data Path	: K:\Gonzo\2023\230824N\	QMethod	: G_230726N_8260.m
Data File	: VG230824N13.D	Operator	: GONZO:MJV
Date Inj'd	: 8/24/2023 10:59 pm	Instrument	: Gonzo
Sample	: L2348770-04D,31,5.0,10,,A	Quant Date	: 8/25/2023 6:02 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N14.D
Acq On : 24 Aug 2023 11:22 pm
Operator : GONZO:MJV
Sample : L2348770-05D,31,0.5,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 25 06:16:02 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	519940	10.000	ug/L	0.00
Standard Area 1 = 611548			Recovery =	85.02%		
59) Chlorobenzene-d5	9.686	117	470699	10.000	ug/L	0.00
Standard Area 1 = 553536			Recovery =	85.03%		
79) 1,4-Dichlorobenzene-d4	12.360	152	283318	10.000	ug/L	0.00
Standard Area 1 = 332996			Recovery =	85.08%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	153583	11.512	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	115.12%		
43) 1,2-Dichloroethane-d4	5.858	65	206518	12.155	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	121.55%		
60) Toluene-d8	7.836	98	565839	9.475	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.75%		
83) 4-Bromofluorobenzene	11.167	95	231505	9.012	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.12%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	1.976	62	266403	17.697	ug/L	96
5) Bromomethane	2.333	94	104	N.D.		
6) Chloroethane	2.310	64	234	N.D.		
7) Trichlorofluoromethane	2.364	101	75	N.D.		
10) 1,1-Dichloroethene	3.047	96	3218	0.302	ug/L #	49
11) Carbon disulfide	0.000		0	N.D. d		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.625	84	72	N.D.		
17) Acetone	3.678	43	1529	0.320	ug/L #	85
18) trans-1,2-Dichloroethene	3.769	96	12020	1.053	ug/L	79
19) Methyl acetate	3.792	43	346	N.D.		
20) Methyl tert-butyl ether	3.997	73	71	N.D.		
23) 1,1-Dichloroethane	4.377	63	9648	0.388	ug/L	98
28) cis-1,2-Dichloroethene	4.878	96	1671167	126.509	ug/L #	66
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	5.083	56	210	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N14.D
Acq On : 24 Aug 2023 11:22 pm
Operator : GONZO:MJV
Sample : L2348770-05D,31,0.5,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 25 06:16:02 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	5.357	97	1016	N.D.		
39) 2-Butanone	5.425	43	68	N.D.		
41) Benzene	5.729	78	956	N.D.		
44) 1,2-Dichloroethane	5.942	62	340	N.D.		
47) Methyl cyclohexane	0.000		0	N.D. d		
48) Trichloroethene	6.314	95	252707	17.162	ug/L	96
51) 1,2-Dichloropropane	6.694	63	80	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.887	92	552	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.338	166	618307	43.317	ug/L	96
65) trans-1,3-Dichloropropene	0.000		0	N.D. d		
68) 1,1,2-Trichloroethane	0.000		0	N.D. d		
69) Chlorodibromomethane	0.000		0	N.D. d		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.312	43	73	N.D.		
73) Chlorobenzene	9.719	112	105	N.D.		
74) Ethylbenzene	9.958	91	504	N.D.		
76) p/m Xylene	9.950	106	160	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	10.616	104	98	N.D.		
80) Bromoform	10.361	173	74	N.D.		
82) Isopropylbenzene	10.863	105	426	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.368	146	75	N.D.		
101) 1,4-Dichlorobenzene	12.368	146	75	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

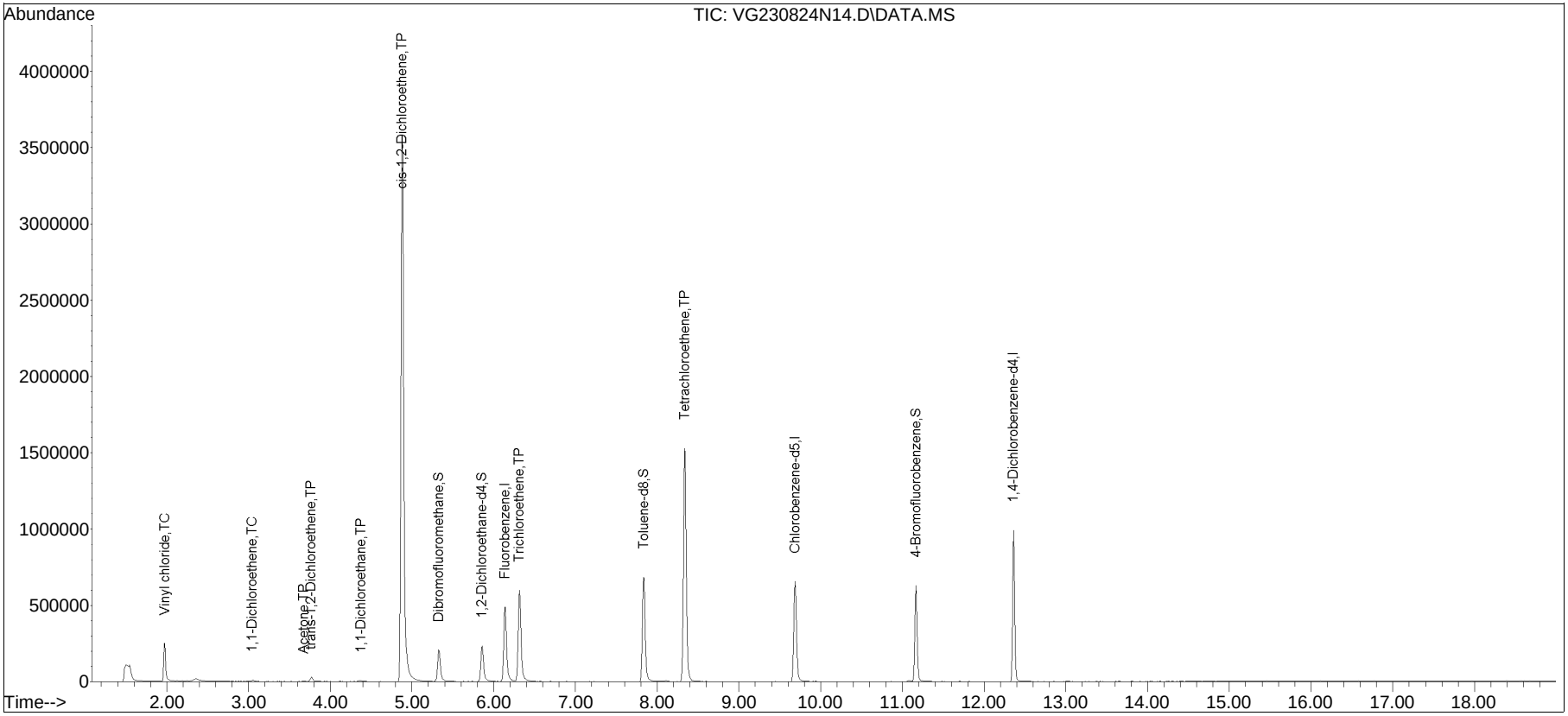
(#) = qualifier out of range (m) = manual integration (+) = signals summed

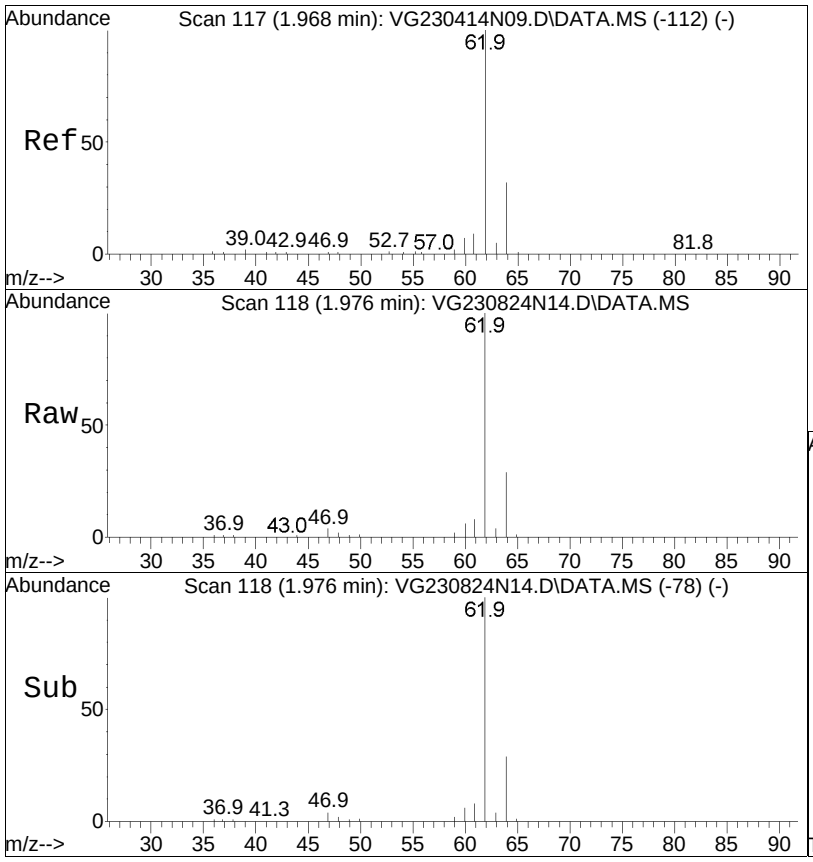
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N14.D
Acq On : 24 Aug 2023 11:22 pm
Operator : GONZO:MJV
Sample : L2348770-05D,31,0.5,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 25 06:16:02 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

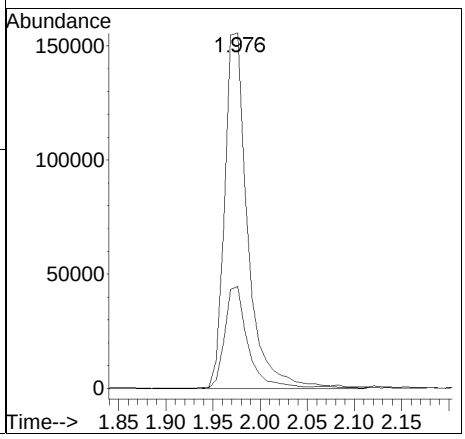


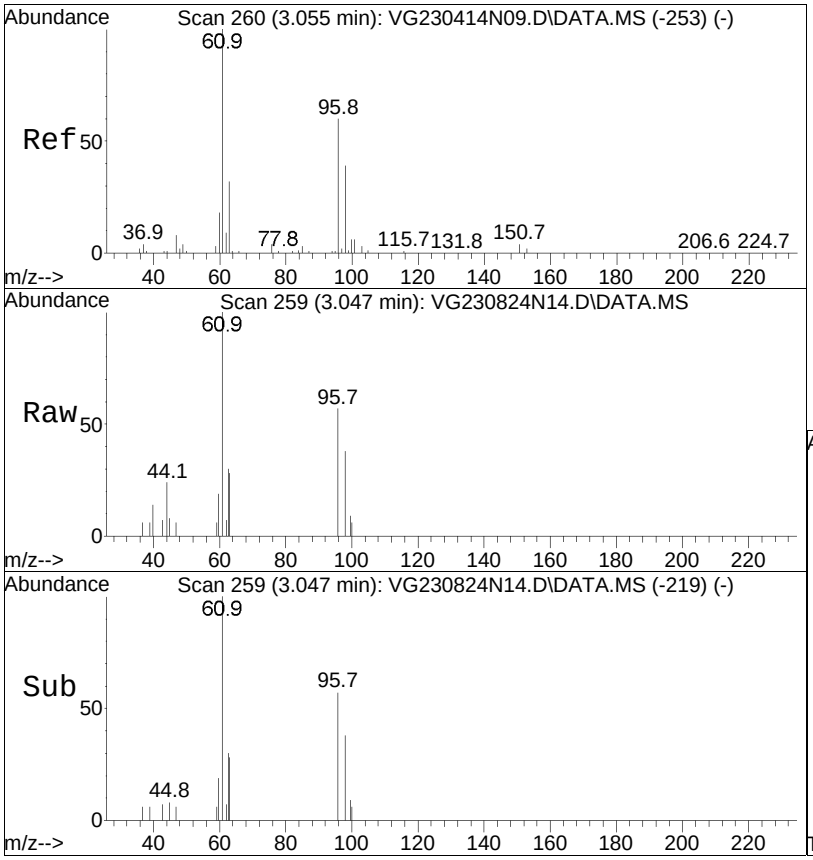


#4
Vinyl chloride
Concen: 17.70 ug/L
RT: 1.976 min Scan# 118
Delta R.T. 0.007 min
Lab File: VG230824N14.D
Acq: 24 Aug 2023 11:22 pm

Tgt Ion: 62 Resp: 266403

Ion	Ratio	Lower	Upper
62	100		
64	29.0	11.3	51.3

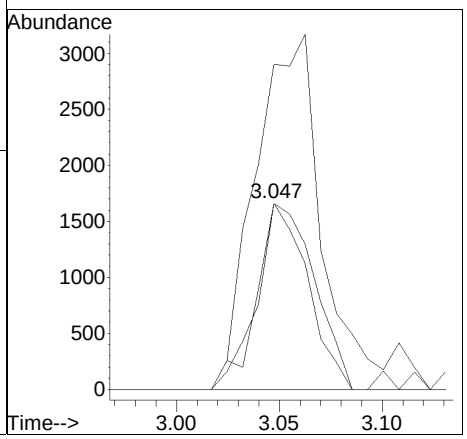


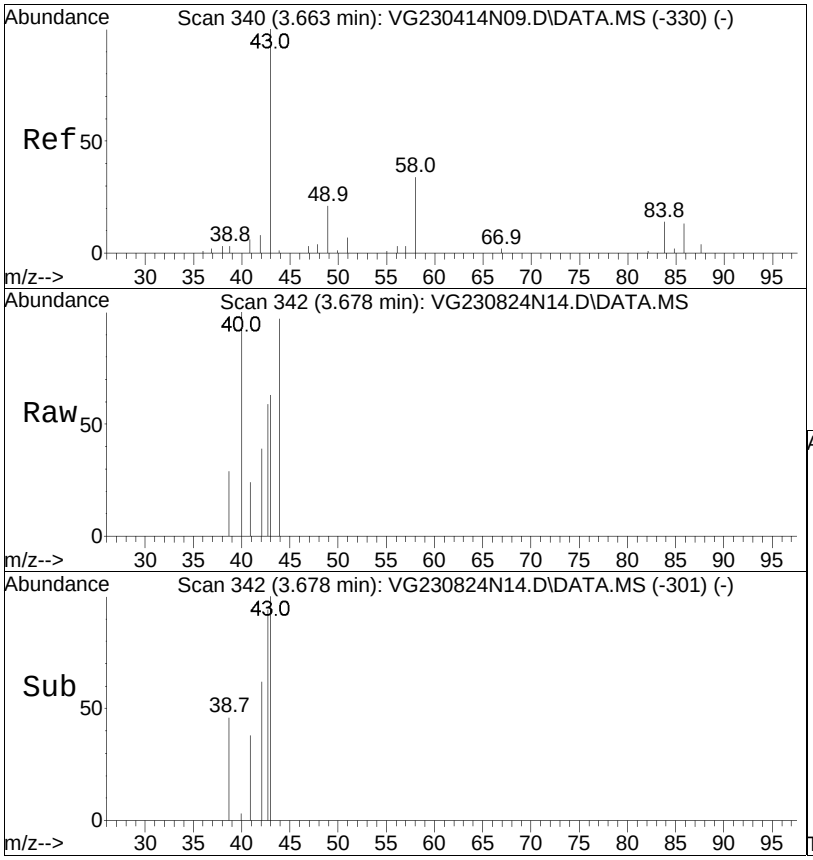


#10
1,1-Dichloroethene
Concen: 0.30 ug/L
RT: 3.047 min Scan# 259
Delta R.T. 0.000 min
Lab File: VG230824N14.D
Acq: 24 Aug 2023 11:22 pm

Tgt Ion: 96 Resp: 3218

Ion	Ratio	Lower	Upper
96	100		
61	219.9	124.2	186.4#
63	88.5	40.0	60.0#

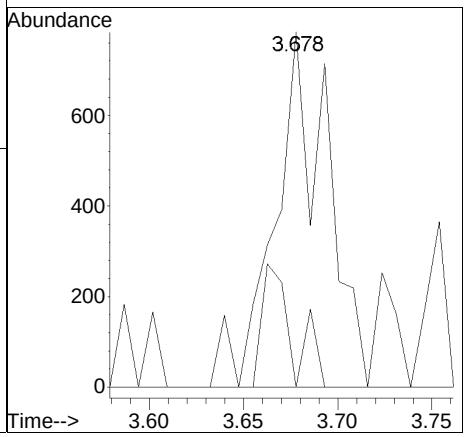


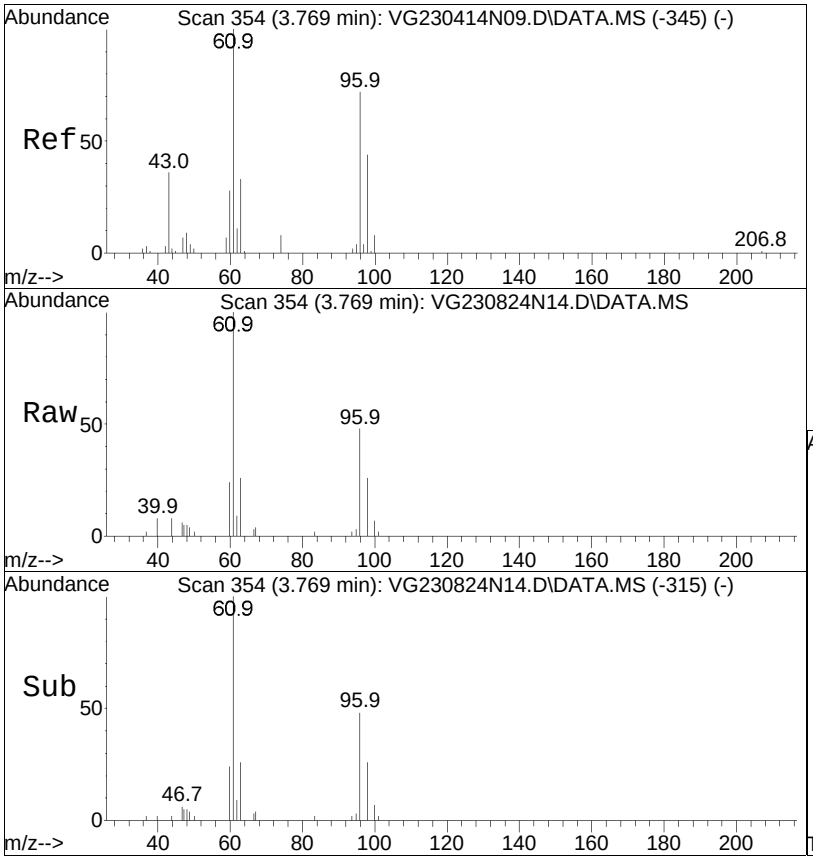


#17
Acetone
Concen: 0.32 ug/L
RT: 3.678 min Scan# 342
Delta R.T. 0.015 min
Lab File: VG230824N14.D
Acq: 24 Aug 2023 11:22 pm

Tgt Ion: 43 Resp: 1529

Ion	Ratio	Lower	Upper
43	100		
58	20.1	22.2	33.4#

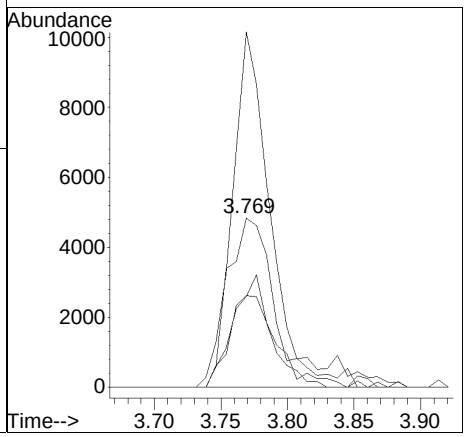


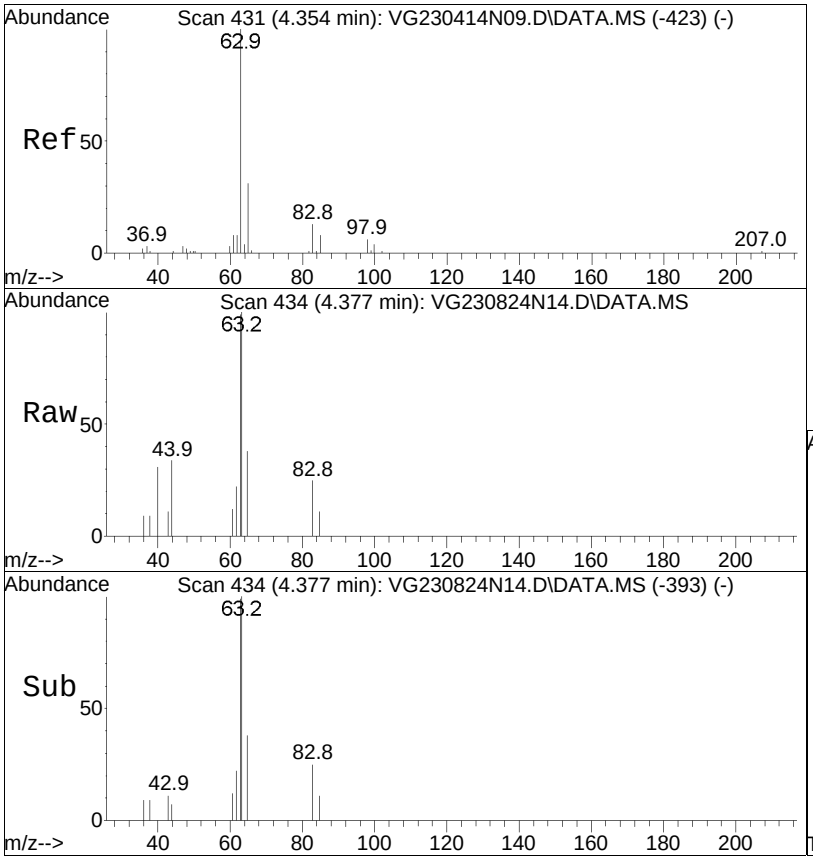


#18
trans-1,2-Dichloroethene
Concen: 1.05 ug/L
RT: 3.769 min Scan# 354
Delta R.T. 0.000 min
Lab File: VG230824N14.D
Acq: 24 Aug 2023 11:22 pm

Tgt Ion: 96 Resp: 12020

Ion	Ratio	Lower	Upper
96	100		
61	167.9	85.7	178.1
98	57.2	40.2	83.4
63	50.8	28.0	58.2

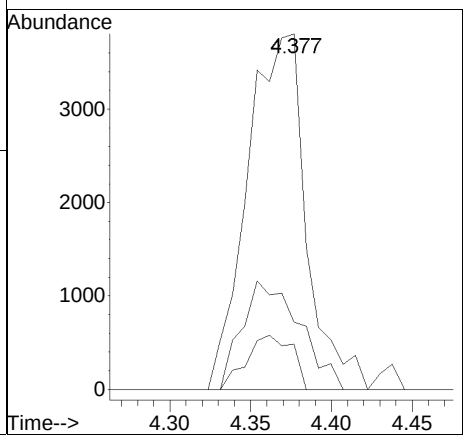


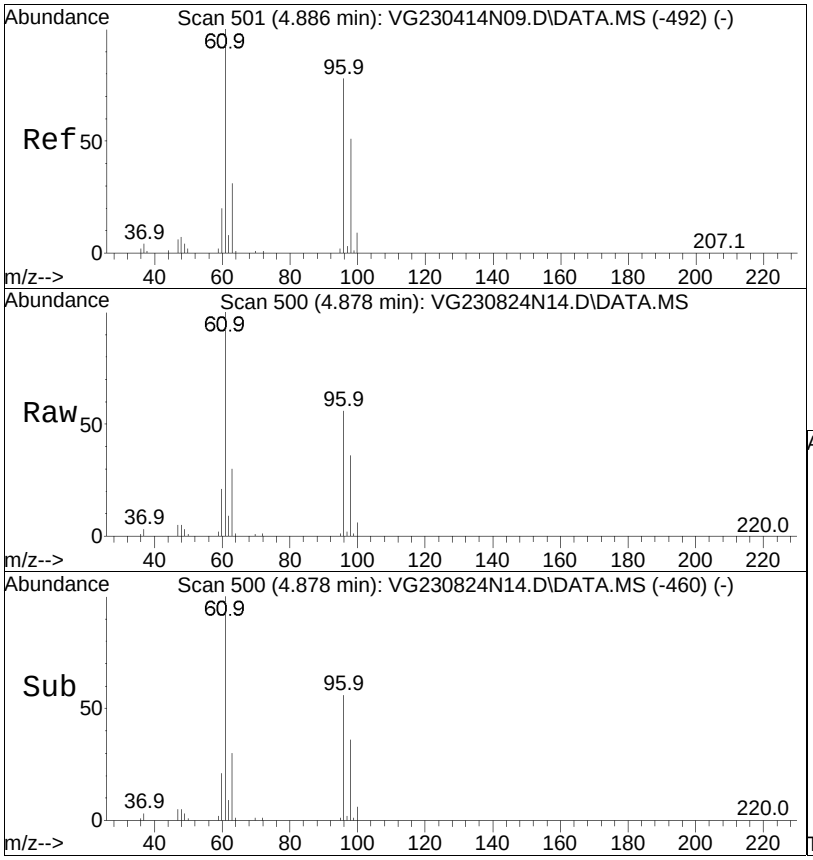


#23
1,1-Dichloroethane
Concen: 0.39 ug/L
RT: 4.377 min Scan# 434
Delta R.T. 0.015 min
Lab File: VG230824N14.D
Acq: 24 Aug 2023 11:22 pm

Tgt Ion: 63 Resp: 9648

Ion	Ratio	Lower	Upper
63	100		
65	29.8	10.4	50.4
83	11.8	0.0	33.2

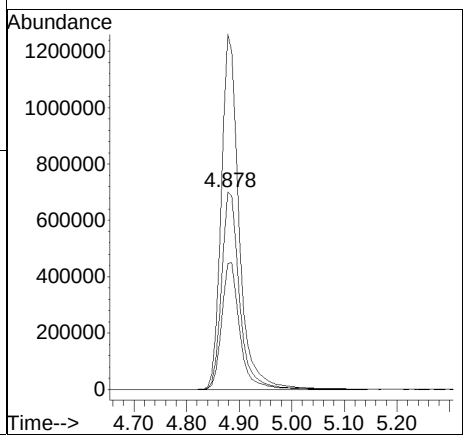


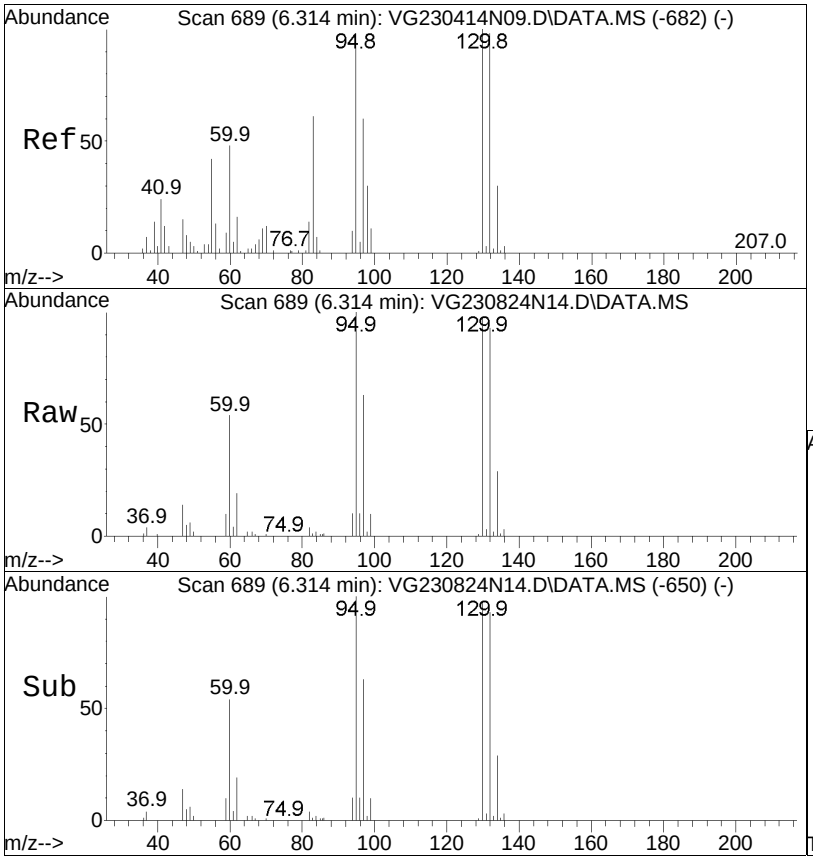


#28
cis-1,2-Dichloroethene
Concen: 126.51 ug/L
RT: 4.878 min Scan# 500
Delta R.T. 0.000 min
Lab File: VG230824N14.D
Acq: 24 Aug 2023 11:22 pm

Tgt Ion: 96 Resp: 1671167

Ion	Ratio	Lower	Upper
96	100		
61	177.8	96.6	144.8#
98	64.7	51.3	76.9

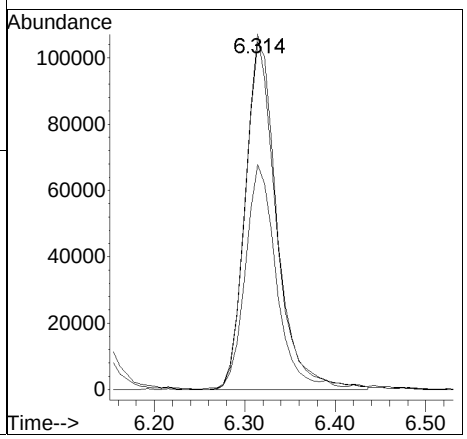


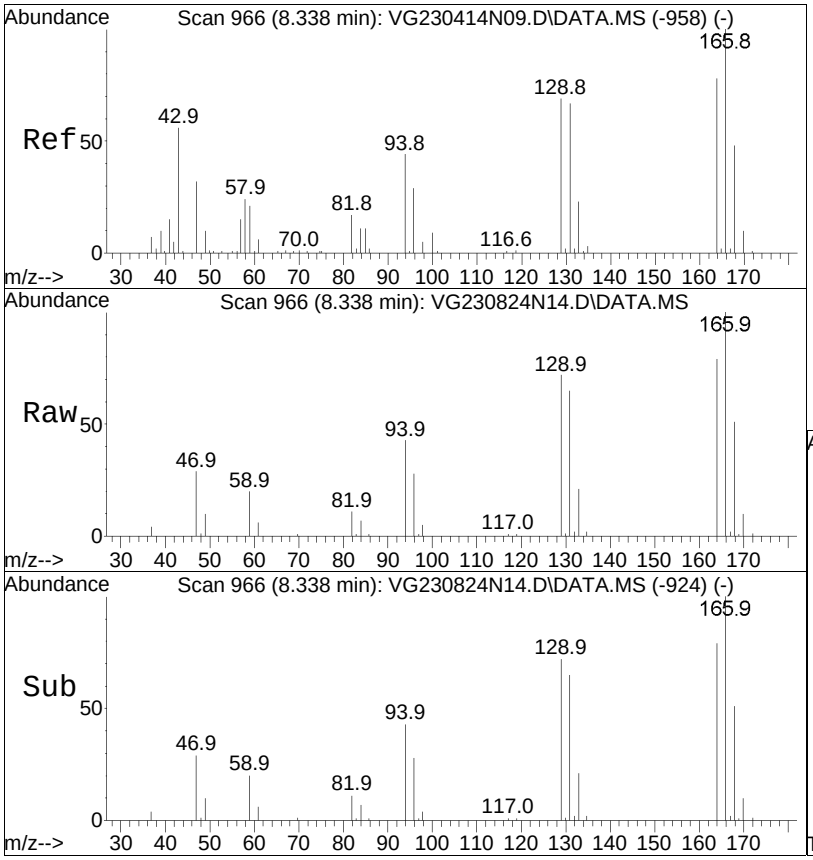


#48
Trichloroethene
Concen: 17.16 ug/L
RT: 6.314 min Scan# 689
Delta R.T. 0.000 min
Lab File: VG230824N14.D
Acq: 24 Aug 2023 11:22 pm

Tgt Ion: 95 Resp: 252707

Ion	Ratio	Lower	Upper
95	100		
97	64.1	54.0	81.0
130	101.8	85.0	127.4

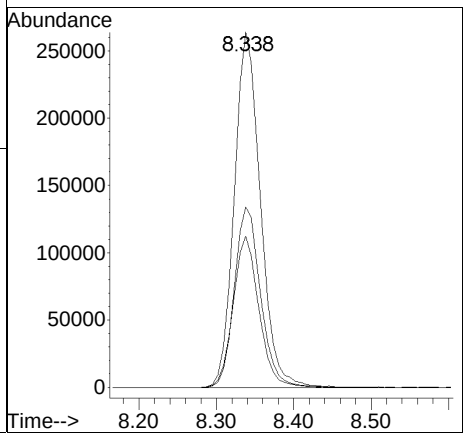




#63
Tetrachloroethene
Concen: 43.32 ug/L
RT: 8.338 min Scan# 966
Delta R.T. -0.000 min
Lab File: VG230824N14.D
Acq: 24 Aug 2023 11:22 pm

Tgt Ion:166 Resp: 618307

Ion	Ratio	Lower	Upper
166	100		
168	51.0	27.3	67.3
94	42.0	20.5	60.5



Manual Integration Report

Data Path	: K:\Gonzo\2023\230824N\	QMethod	: G_230726N_8260.m
Data File	: VG230824N14.D	Operator	: GONZO:MJV
Date Inj'd	: 8/24/2023 11:22 pm	Instrument	: Gonzo
Sample	: L2348770-05D,31,0.5,10,,A	Quant Date	: 8/25/2023 6:02 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N15.D
Acq On : 24 Aug 2023 11:46 pm
Operator : GONZO:MJV
Sample : L2348770-07,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 25 06:16:35 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	494284	10.000	ug/L	0.00
Standard Area 1 = 611548			Recovery = 80.83%			
59) Chlorobenzene-d5	9.686	117	449204	10.000	ug/L	0.00
Standard Area 1 = 553536			Recovery = 81.15%			
79) 1,4-Dichlorobenzene-d4	12.360	152	273380	10.000	ug/L	0.00
Standard Area 1 = 332996			Recovery = 82.10%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.327	113	144760	11.414	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.14%			
43) 1,2-Dichloroethane-d4	5.858	65	201205	12.457	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 124.57%			
60) Toluene-d8	7.836	98	550184	9.654	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.54%			
83) 4-Bromofluorobenzene	11.167	95	224752	9.067	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.67%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.908	50	446	N.D.		
4) Vinyl chloride	1.969	62	16487	1.152	ug/L	98
5) Bromomethane	2.288	94	538	0.074	ug/L #	26
6) Chloroethane	2.348	64	83	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	3.055	96	751	0.074	ug/L #	67
11) Carbon disulfide	0.000		0	N.D.	d	
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.678	43	2298	0.506	ug/L #	72
18) trans-1,2-Dichloroethene	3.769	96	3431	0.316	ug/L #	64
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.	d	
28) cis-1,2-Dichloroethene	4.878	96	564682	44.966	ug/L #	68
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	5.121	56	152	N.D.		
32) Chloroform	5.137	83	938	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N15.D
Acq On : 24 Aug 2023 11:46 pm
Operator : GONZO:MJV
Sample : L2348770-07,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 25 06:16:35 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	5.106	97	82	N.D.		
39) 2-Butanone	0.000		0	N.D. d		
41) Benzene	5.729	78	745	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D. d		
47) Methyl cyclohexane	6.329	83	716	N.D.		
48) Trichloroethene	6.314	95	56002	4.001	ug/L	93
51) 1,2-Dichloropropane	0.000		0	N.D. d		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	8.424	58	70	N.D.		
63) Tetrachloroethene	8.345	166	49756	3.653	ug/L	95
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	8.331	83	590	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.326	43	80	N.D.		
73) Chlorobenzene	9.695	112	85	N.D.		
74) Ethylbenzene	9.744	91	368	N.D.		
76) p/m Xylene	10.139	106	115	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	10.649	104	76	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.846	105	184	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.376	146	105	N.D.		
101) 1,4-Dichlorobenzene	12.376	146	105	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.408	180	110	N.D.		
111) 1,2,3-Trichlorobenzene	14.408	180	110	N.D.		

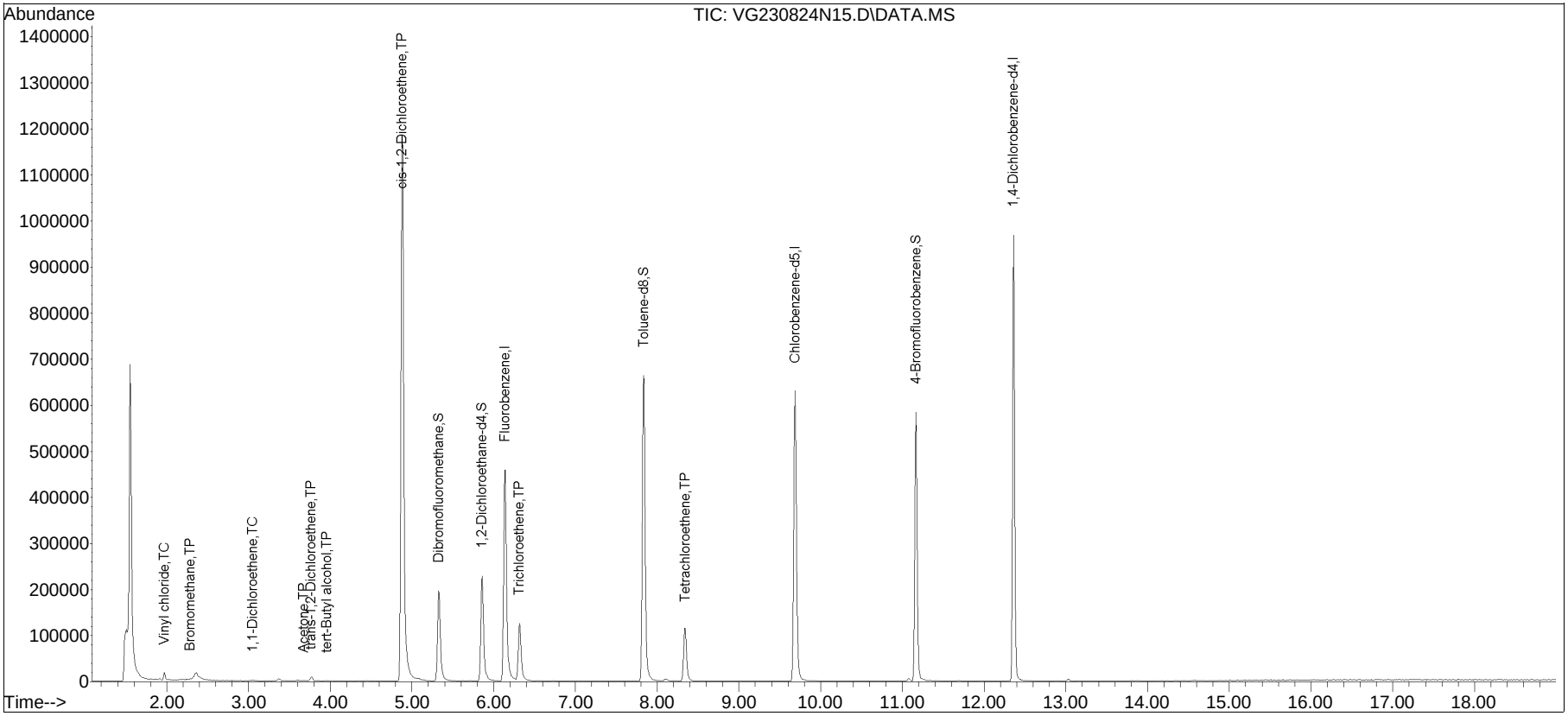
(#) = qualifier out of range (m) = manual integration (+) = signals summed

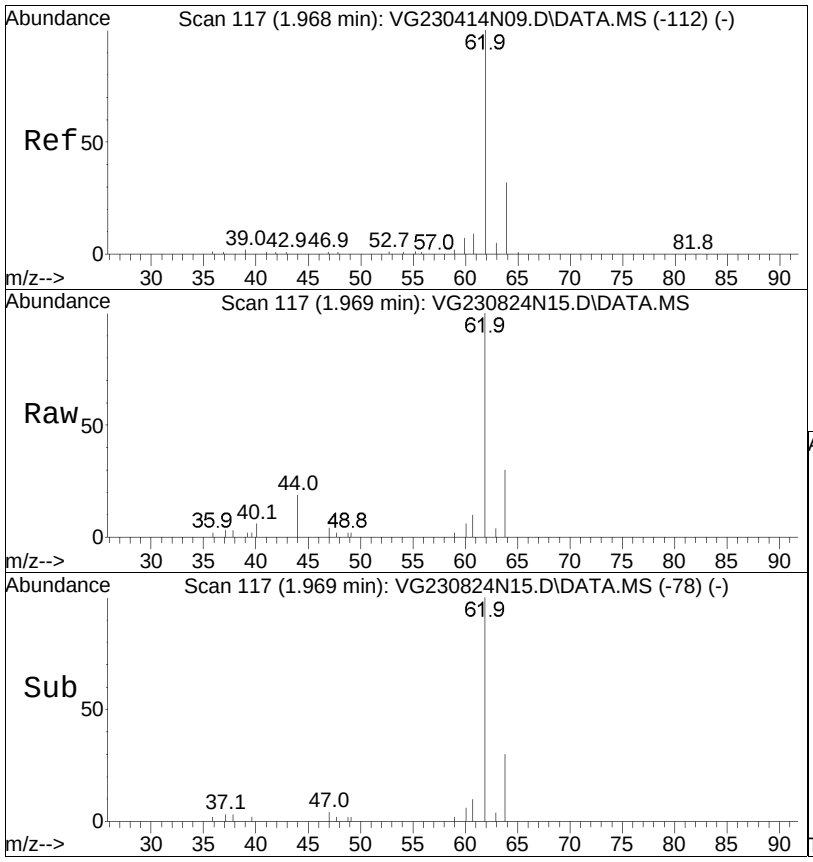
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N15.D
Acq On : 24 Aug 2023 11:46 pm
Operator : GONZO:MJV
Sample : L2348770-07,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 25 06:16:35 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

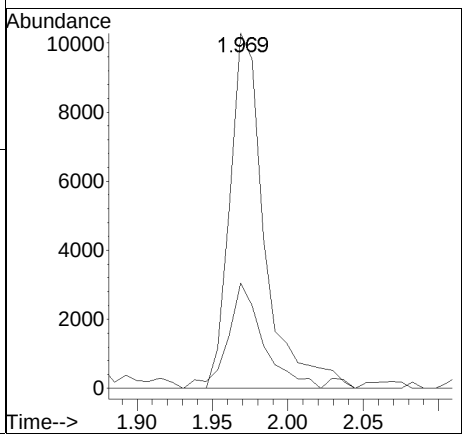


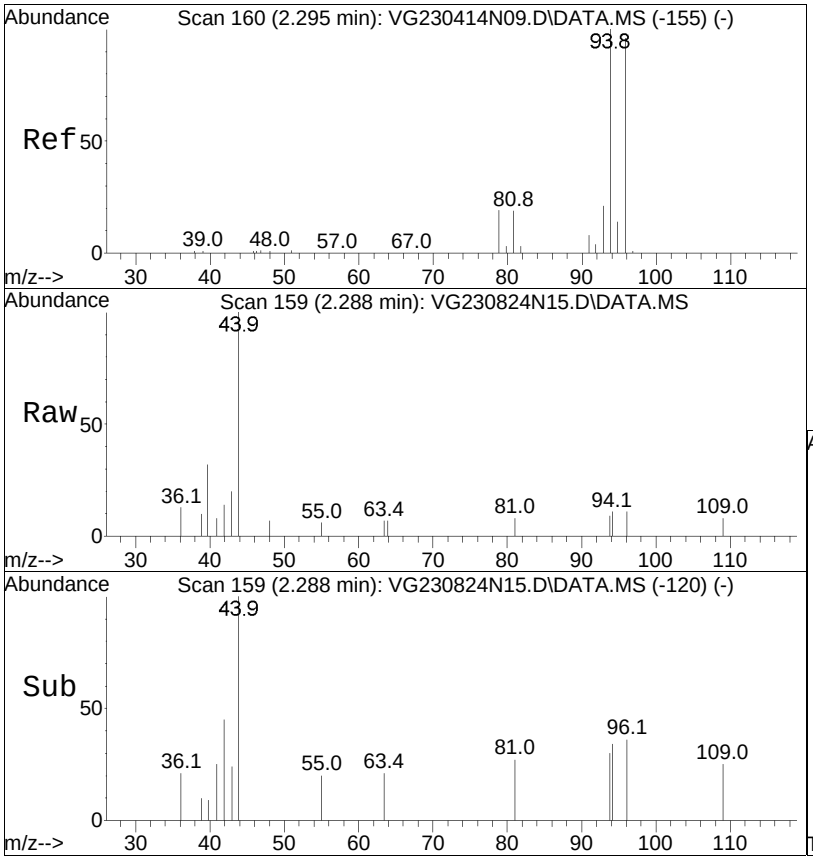


#4
Vinyl chloride
Concen: 1.15 ug/L
RT: 1.969 min Scan# 117
Delta R.T. -0.000 min
Lab File: VG230824N15.D
Acq: 24 Aug 2023 11:46 pm

Tgt Ion: 62 Resp: 16487

Ion	Ratio	Lower	Upper
62	100		
64	30.3	11.3	51.3

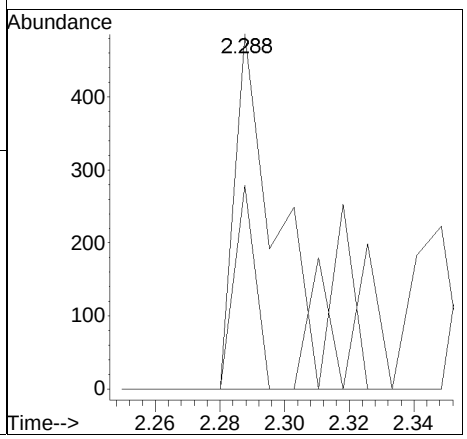


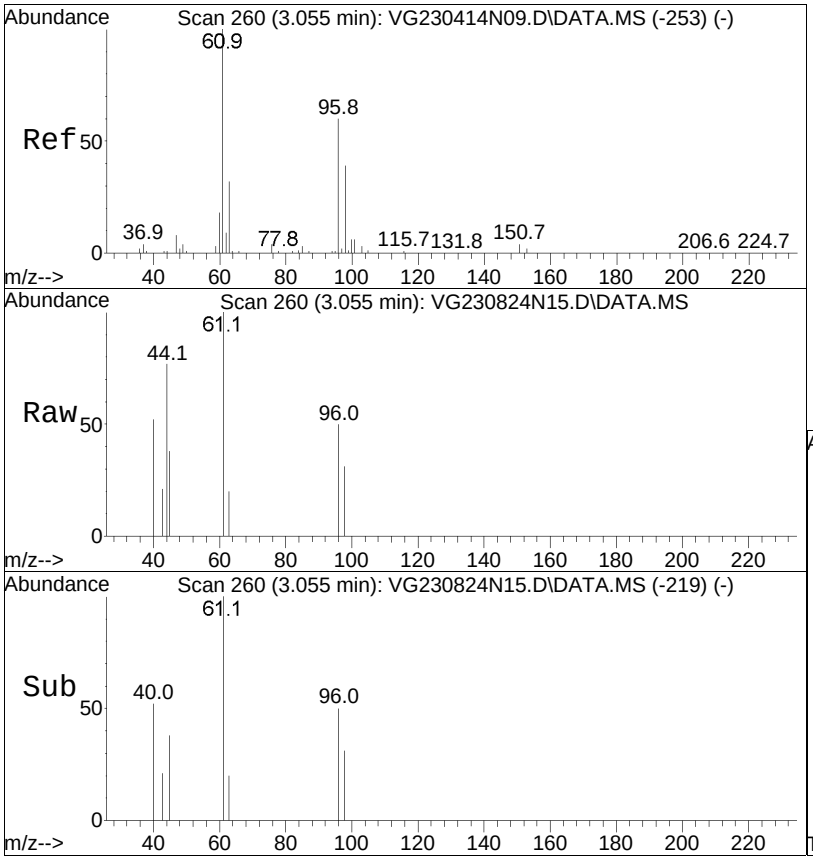


#5
Bromomethane
Concen: 0.07 ug/L
RT: 2.288 min Scan# 159
Delta R.T. -0.000 min
Lab File: VG230824N15.D
Acq: 24 Aug 2023 11:46 pm

Tgt Ion: 94 Resp: 538

Ion	Ratio	Lower	Upper
94	100		
96	23.6	75.2	115.2#

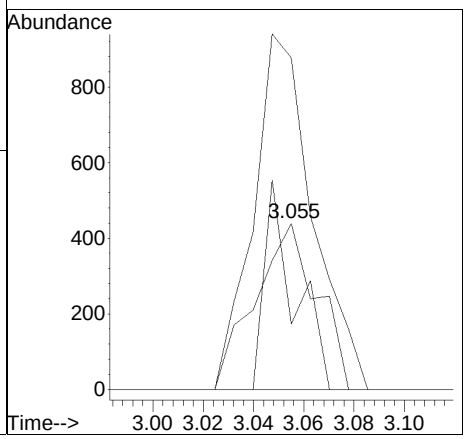


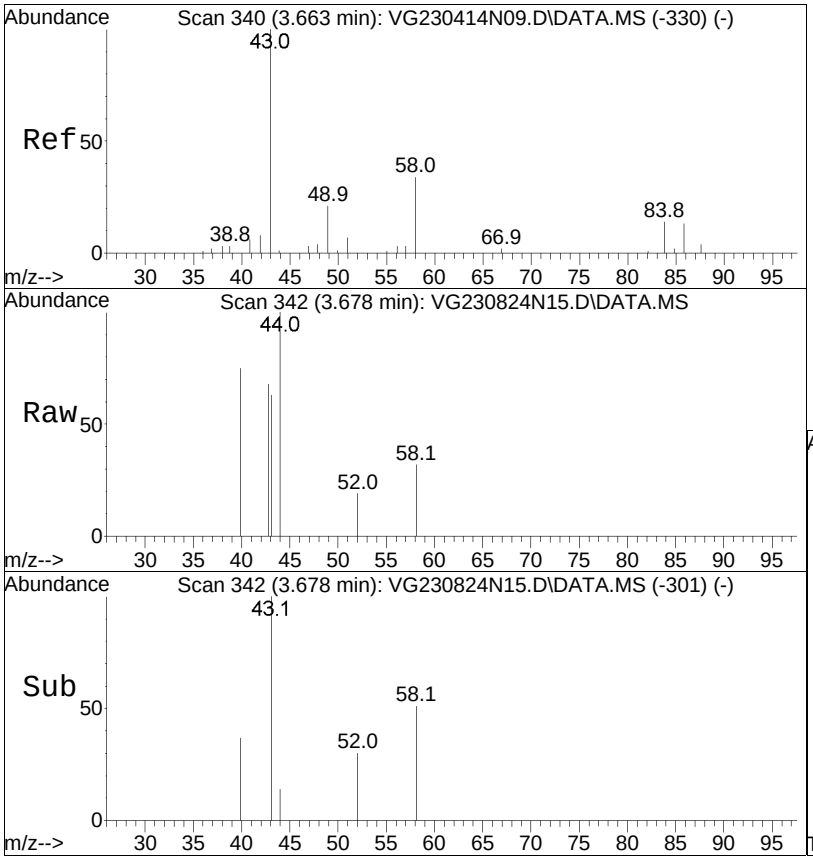


#10
1,1-Dichloroethene
Concen: 0.07 ug/L
RT: 3.055 min Scan# 260
Delta R.T. 0.008 min
Lab File: VG230824N15.D
Acq: 24 Aug 2023 11:46 pm

Tgt Ion: 96 Resp: 751

Ion	Ratio	Lower	Upper
96	100		
61	204.8	124.2	186.4#
63	61.5	40.0	60.0#

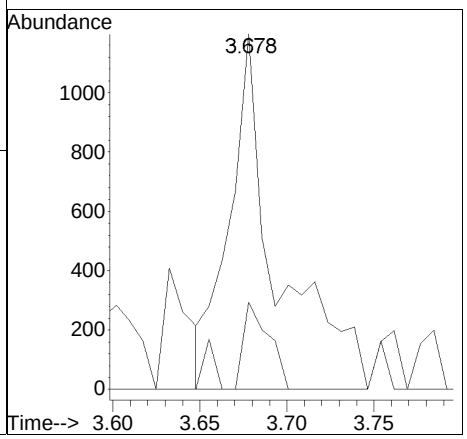


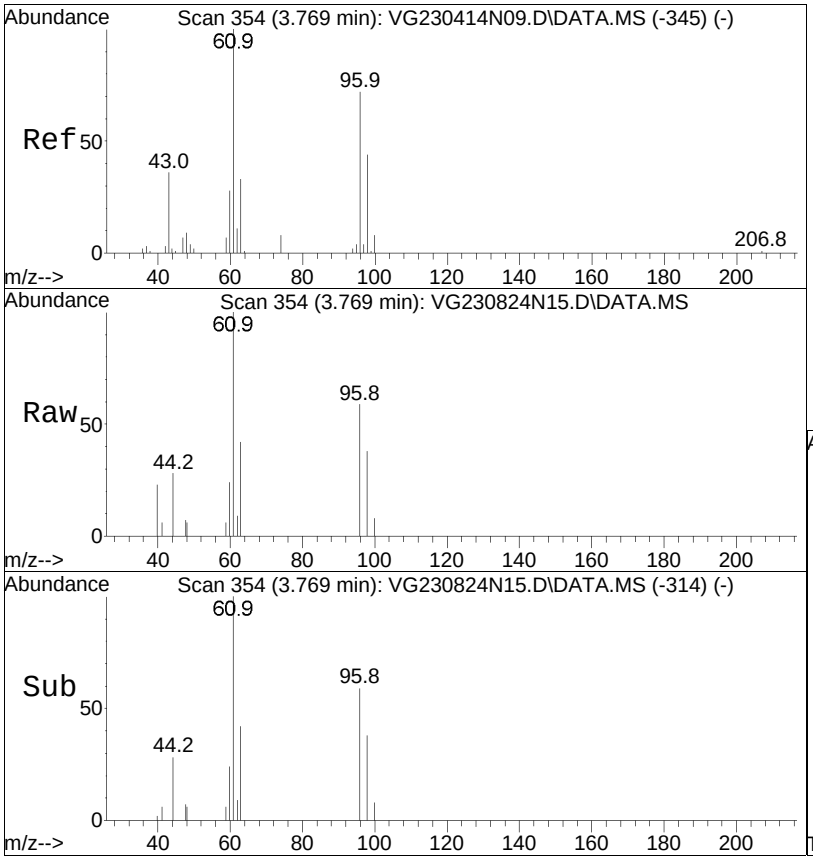


#17
Acetone
Concen: 0.51 ug/L
RT: 3.678 min Scan# 342
Delta R.T. 0.015 min
Lab File: VG230824N15.D
Acq: 24 Aug 2023 11:46 pm

Tgt Ion: 43 Resp: 2298

Ion	Ratio	Lower	Upper
43	100		
58	13.1	22.2	33.4#

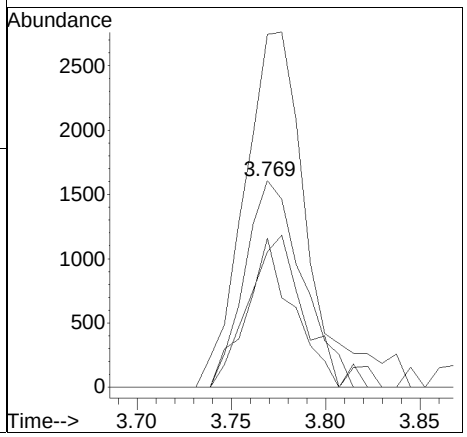


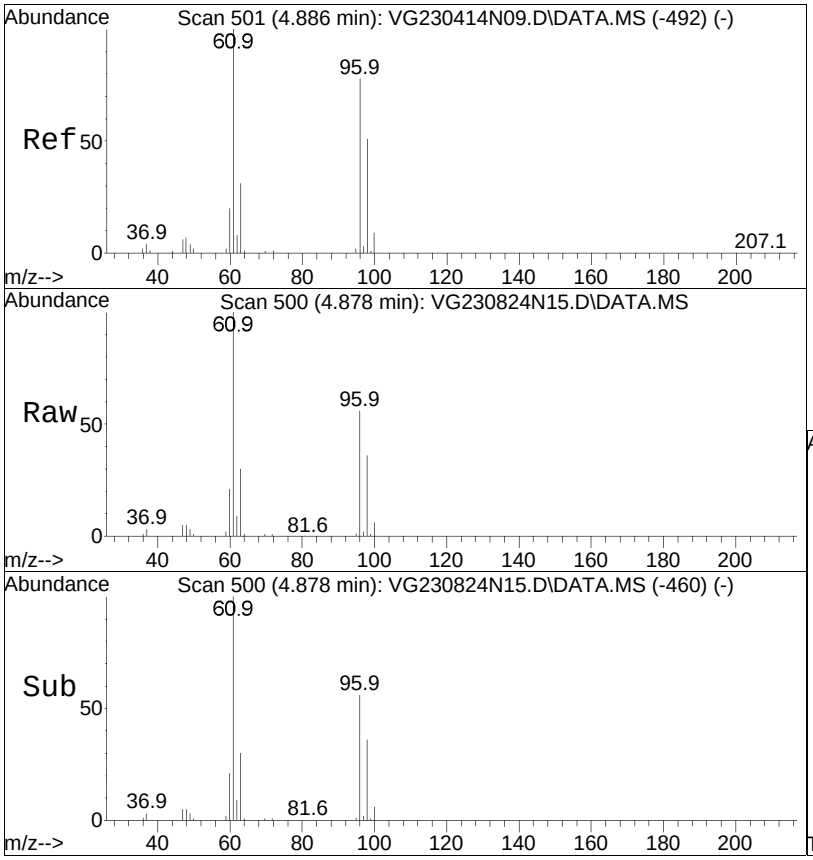


#18
trans-1,2-Dichloroethene
Concen: 0.32 ug/L
RT: 3.769 min Scan# 354
Delta R.T. 0.000 min
Lab File: VG230824N15.D
Acq: 24 Aug 2023 11:46 pm

Tgt Ion: 96 Resp: 3431

Ion	Ratio	Lower	Upper
96	100		
61	189.2	85.7	178.1#
98	72.8	40.2	83.4
63	61.0	28.0	58.2#

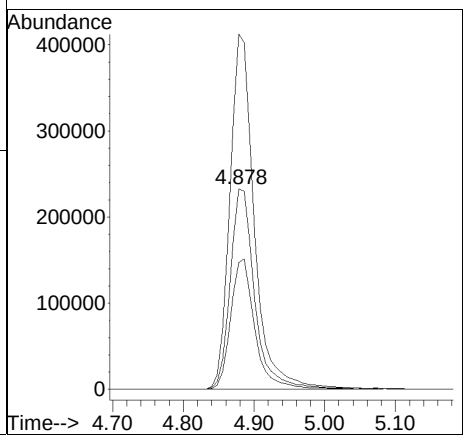


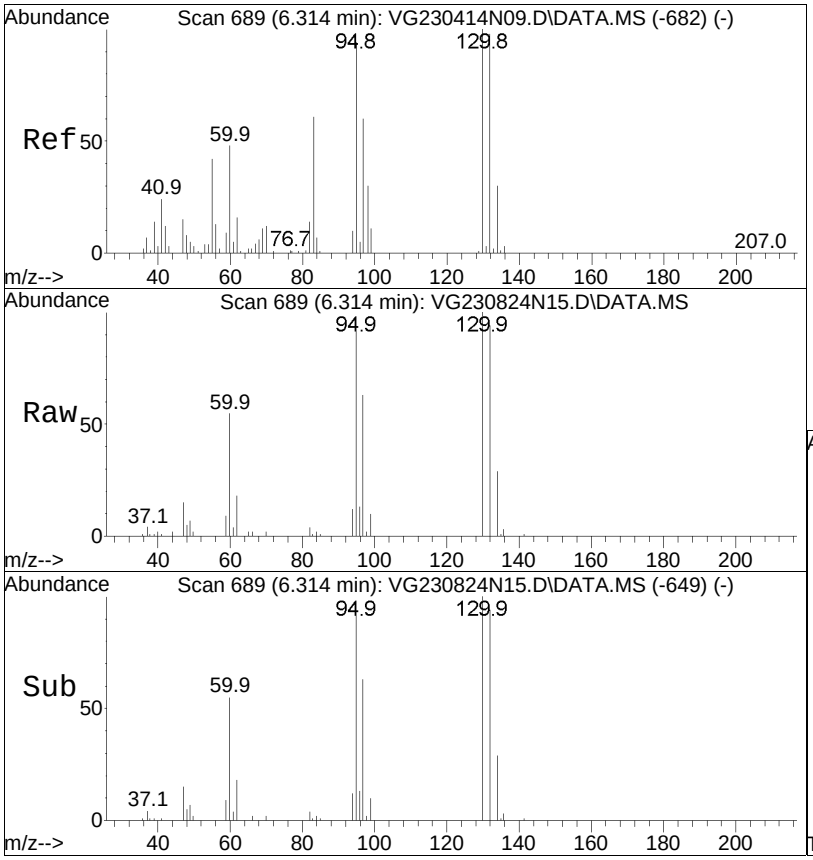


#28
cis-1,2-Dichloroethene
Concen: 44.97 ug/L
RT: 4.878 min Scan# 500
Delta R.T. 0.000 min
Lab File: VG230824N15.D
Acq: 24 Aug 2023 11:46 pm

Tgt Ion: 96 Resp: 564682

Ion	Ratio	Lower	Upper
96	100		
61	175.8	96.6	144.8#
98	64.5	51.3	76.9

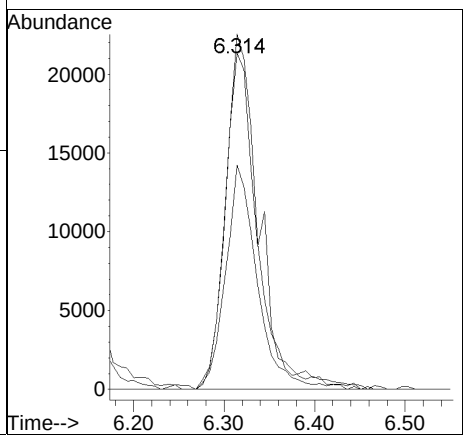


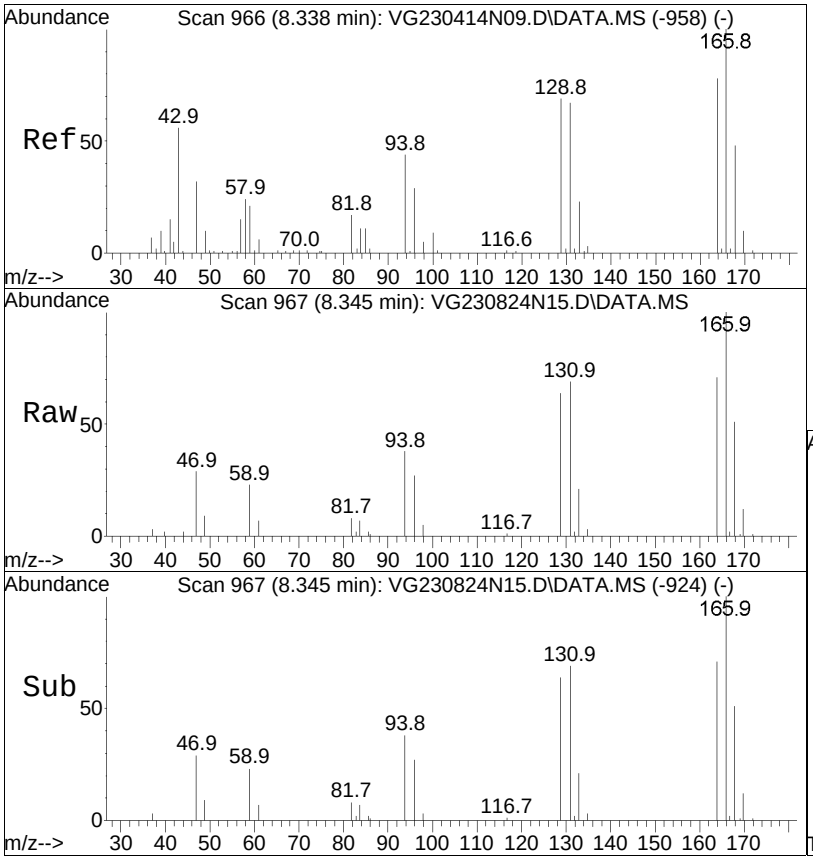


#48
Trichloroethene
Concen: 4.00 ug/L
RT: 6.314 min Scan# 689
Delta R.T. 0.000 min
Lab File: VG230824N15.D
Acq: 24 Aug 2023 11:46 pm

Tgt Ion: 95 Resp: 56002

Ion	Ratio	Lower	Upper
95	100		
97	62.4	54.0	81.0
130	98.8	85.0	127.4

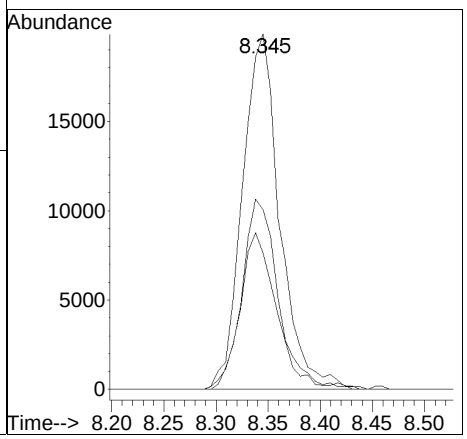




#63
Tetrachloroethene
Concen: 3.65 ug/L
RT: 8.345 min Scan# 967
Delta R.T. 0.007 min
Lab File: VG230824N15.D
Acq: 24 Aug 2023 11:46 pm

Tgt Ion:166 Resp: 49756

Ion	Ratio	Lower	Upper
166	100		
168	51.7	27.3	67.3
94	42.6	20.5	60.5



Manual Integration Report

Data Path	: K:\Gonzo\2023\230824N\	QMethod	: G_230726N_8260.m
Data File	: VG230824N15.D	Operator	: GONZO:MJV
Date Inj'd	: 8/24/2023 11:46 pm	Instrument	: Gonzo
Sample	: L2348770-07,31,10,10,,A	Quant Date	: 8/25/2023 6:02 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N16.D
Acq On : 25 Aug 2023 12:10 am
Operator : GONZO:MJV
Sample : L2348770-06,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 25 06:17:08 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.139	96	471145	10.000 ug/L	0.00
Standard Area 1 = 611548			Recovery =	77.04%	
59) Chlorobenzene-d5	9.686	117	439503	10.000 ug/L	0.00
Standard Area 1 = 553536			Recovery =	79.40%	
79) 1,4-Dichlorobenzene-d4	12.360	152	267431	10.000 ug/L	0.00
Standard Area 1 = 332996			Recovery =	80.31%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.327	113	139670	11.553 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	115.53%	
43) 1,2-Dichloroethane-d4	5.858	65	194354	12.624 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	126.24%	
60) Toluene-d8	7.836	98	525316	9.421 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.21%	
83) 4-Bromofluorobenzene	11.167	95	216826	8.942 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	89.42%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.536	85	428	N.D.	
3) Chloromethane	1.931	50	956	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.288	94	278	N.D.	
6) Chloroethane	2.386	64	75	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.085	76	713	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.625	84	1137	0.098 ug/L #	46
17) Acetone	3.670	43	3690	0.852 ug/L #	65
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.894	96	1672	0.140 ug/L #	75
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N16.D
Acq On : 25 Aug 2023 12:10 am
Operator : GONZO:MJV
Sample : L2348770-06,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 25 06:17:08 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.395	43	80	N.D.		
41) Benzene	5.729	78	295	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.	d	
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.901	92	577	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	8.352	166	349	N.D.		
65) trans-1,3-Dichloropropene	8.589	75	75	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.362	43	80	N.D.		
73) Chlorobenzene	9.703	112	85	N.D.		
74) Ethylbenzene	9.752	91	598	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	10.616	106	74	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	11.085	105	80	N.D.		
87) 1,1,2,2-Tetrachloroethane	11.159	83	98	N.D.		
100) 1,3-Dichlorobenzene	12.294	146	121	N.D.		
101) 1,4-Dichlorobenzene	12.385	146	96	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

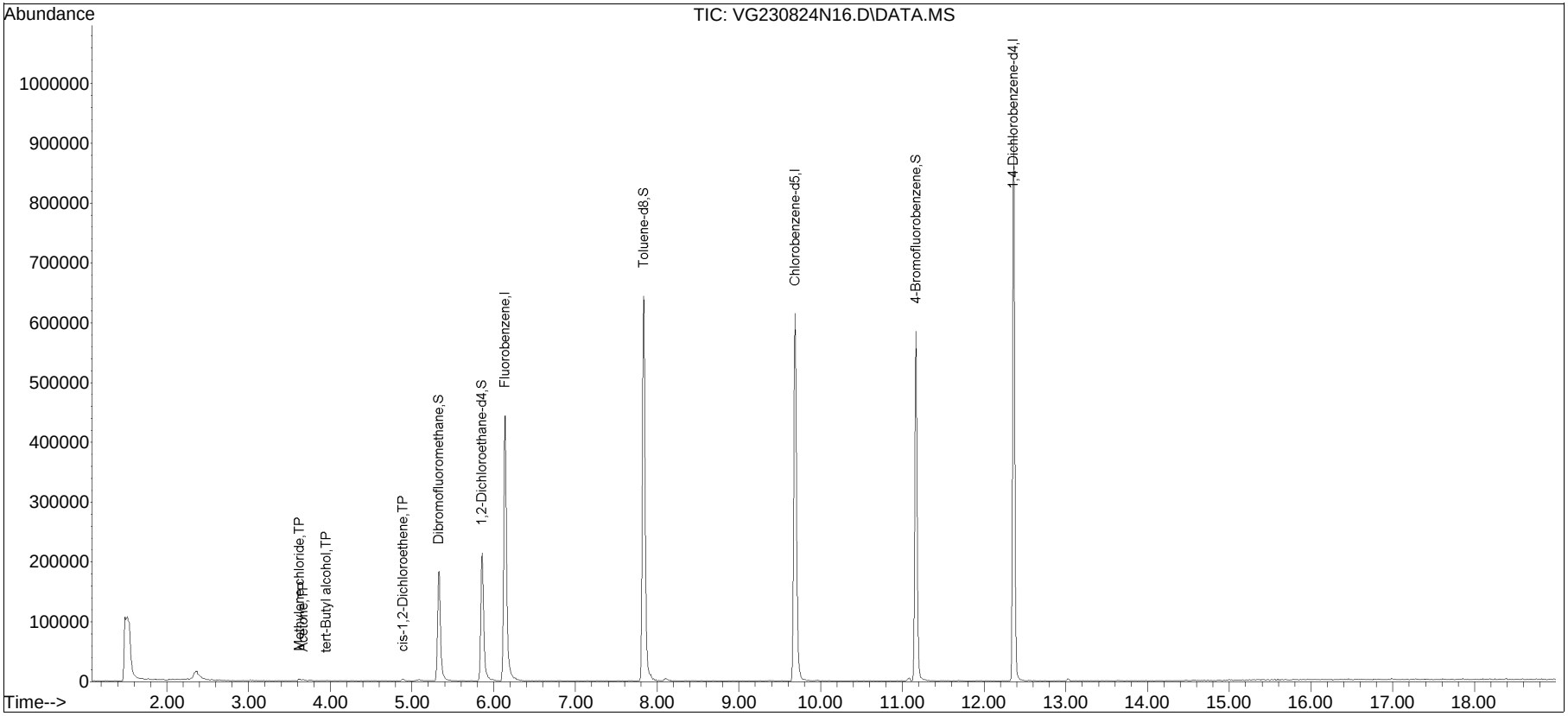
(#) = qualifier out of range (m) = manual integration (+) = signals summed

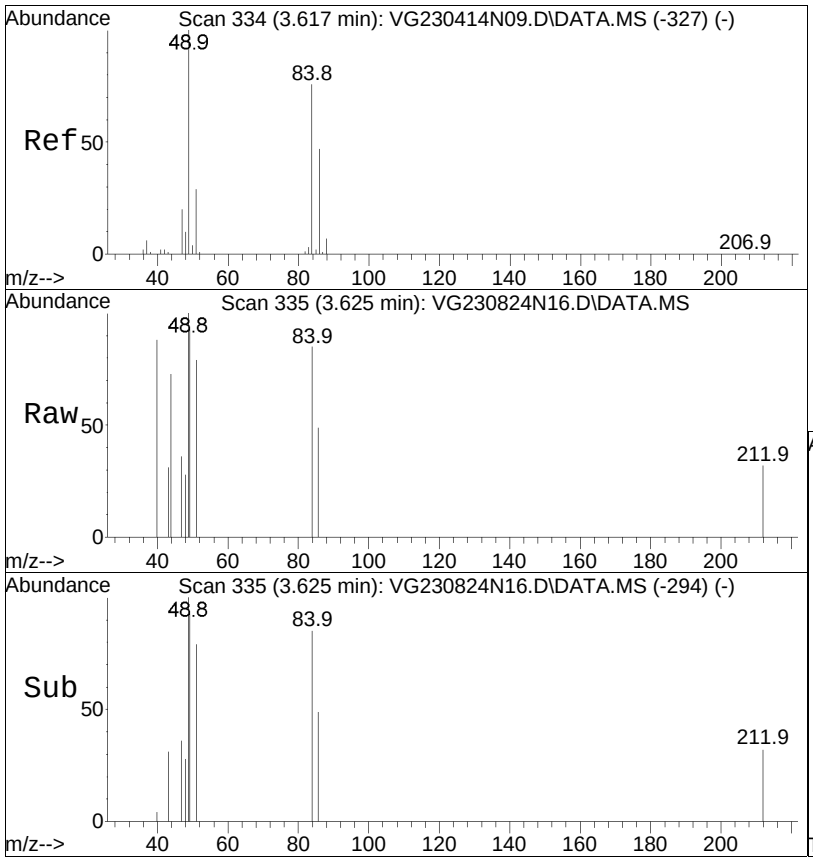
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N16.D
Acq On : 25 Aug 2023 12:10 am
Operator : GONZO:MJV
Sample : L2348770-06,31,10,10,,A
Misc : WG1820053,ICAL20208
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 25 06:17:08 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

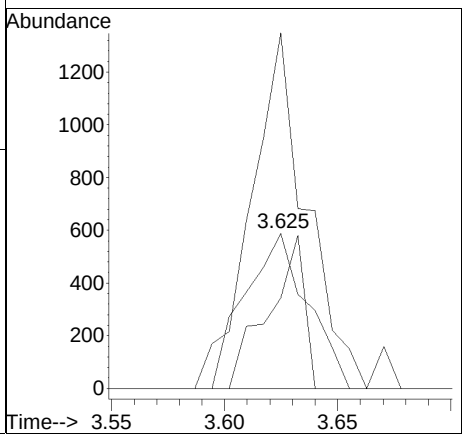


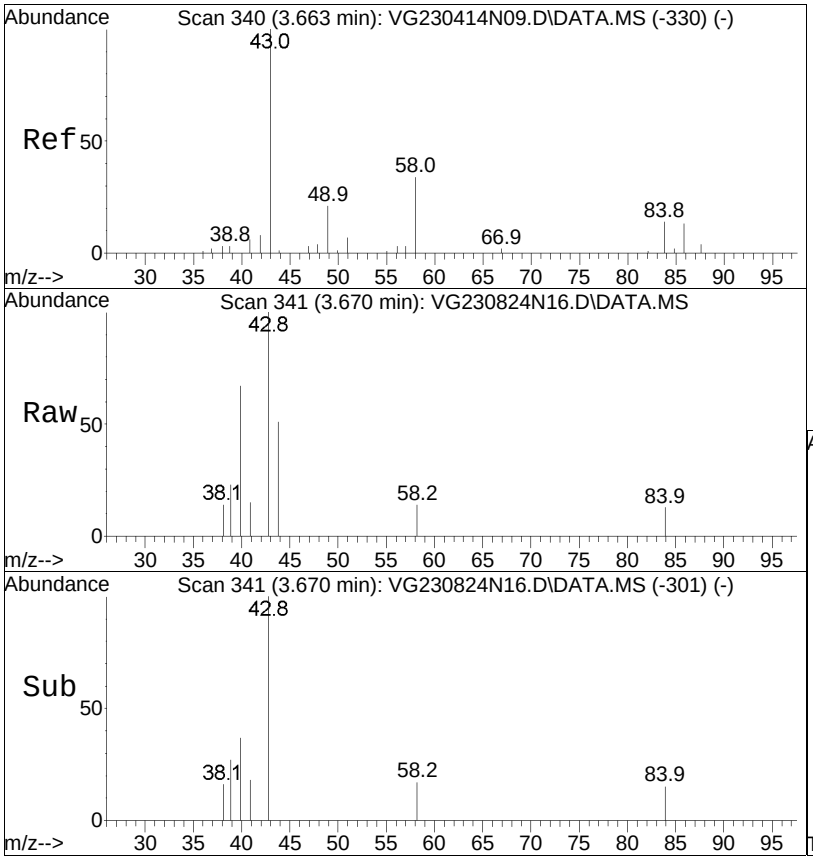


#15
Methylene chloride
Concen: 0.10 ug/L
RT: 3.625 min Scan# 335
Delta R.T. 0.008 min
Lab File: VG230824N16.D
Acq: 25 Aug 2023 12:10 am

Tgt Ion: 84 Resp: 1137

Ion	Ratio	Lower	Upper
84	100		
86	56.3	41.1	85.5
49	202.4	76.2	158.2#

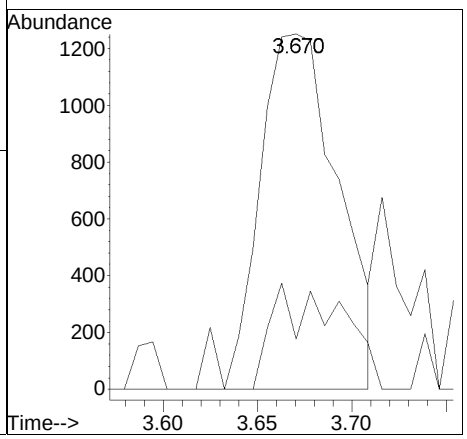


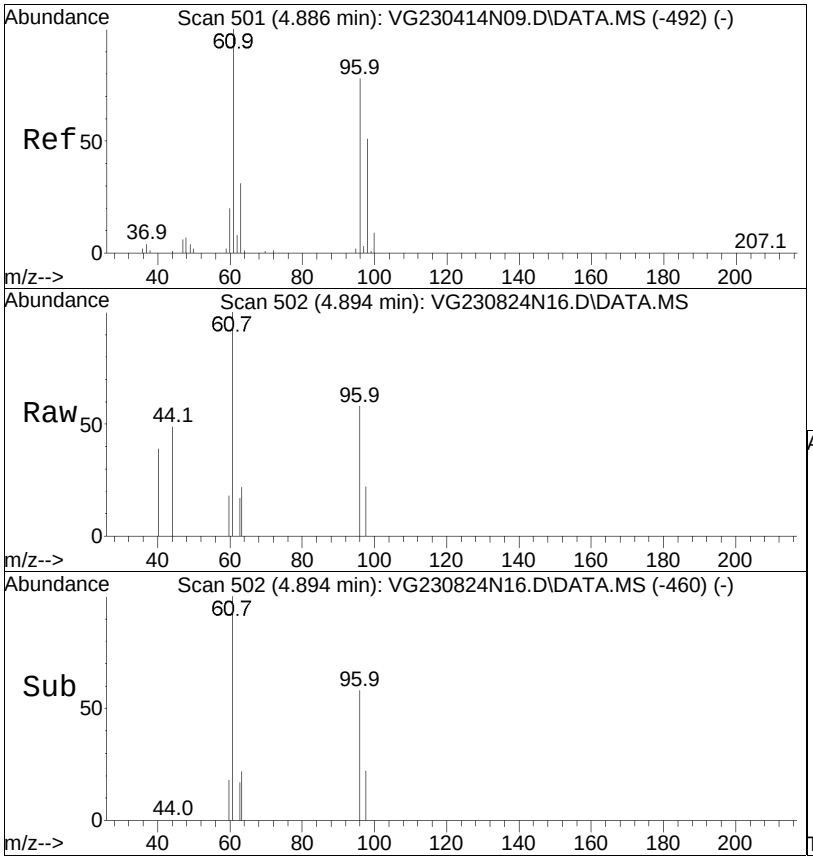


#17
Acetone
Concen: 0.85 ug/L
RT: 3.670 min Scan# 341
Delta R.T. 0.007 min
Lab File: VG230824N16.D
Acq: 25 Aug 2023 12:10 am

Tgt Ion: 43 Resp: 3690

Ion	Ratio	Lower	Upper
43	100		
58	9.5	22.2	33.4#

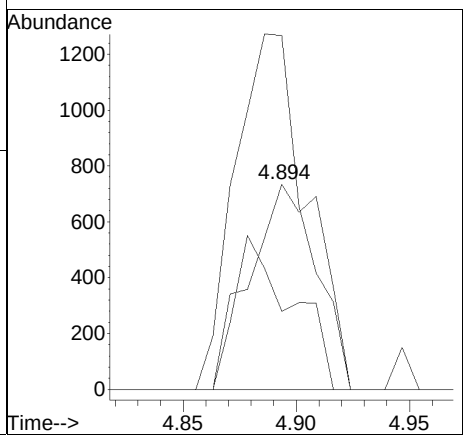




#28
cis-1,2-Dichloroethene
Concen: 0.14 ug/L
RT: 4.894 min Scan# 502
Delta R.T. 0.016 min
Lab File: VG230824N16.D
Acq: 25 Aug 2023 12:10 am

Tgt Ion: 96 Resp: 1672

Ion	Ratio	Lower	Upper
96	100		
61	159.4	96.6	144.8#
98	58.0	51.3	76.9



Manual Integration Report

Data Path	: K:\Gonzo\2023\230824N\	QMethod	: G_230726N_8260.m
Data File	: VG230824N16.D	Operator	: GONZO:MJV
Date Inj'd	: 8/25/2023 12:10 am	Instrument	: Gonzo
Sample	: L2348770-06,31,10,10,,A	Quant Date	: 8/25/2023 6:02 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2348770**
Project Name	**: NEW PALTZ PLAZA**	**Project Number**	**: 2014-45**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL20208**
Calibration dates	**: 07/26/23 18:49 07/26/23 22:47**		

Calibration Files

L11 =VG230726N03.D L1 =VG230726N05.D L2 =VG230726N07.D L3 =VG230726N09.D L4 =VG230726N10.D

L6 =VG230726N11.D L8 =VG230726N12.D L10 =VG230726N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.204	0.299	0.300	0.285	0.290	0.284	0.279	0.277	11.99
3)	TP	Chloromethane		0.351	0.416	0.416	0.396	0.407	0.407	0.420	0.402	5.89
4)	TC	Vinyl chloride	0.245	0.239	0.309	0.312	0.297	0.303	0.300	0.311	0.290	10.33
5)	TP	Bromomethane		0.163	0.170	0.139	0.129	0.136	0.141	0.151	0.147	10.31
6)	TP	Chloroethane		0.145	0.158	0.152	0.127	0.115	0.103	0.099	0.128	18.71
7)	TP	Trichlorofluor		0.225	0.312	0.354	0.336	0.349	0.340	0.345	0.323	14.05
8)	TP	Ethyl ether		0.121	0.117	0.125	0.122	0.123	0.124	0.126	0.123	2.40
10)	TC	1,1-Dichloroet		0.151	0.218	0.219	0.204	0.212	0.211	0.217	0.205	11.76
11)	TP	Carbon disulfide		0.514	0.647	0.667	0.633	0.664	0.656	0.678	0.637	8.83
12)	TP	Freon-113		0.157	0.222	0.238	0.226	0.231	0.225	0.224	0.217	12.54
13)	TP	Iodomethane		0.224	0.242	0.297	0.317	0.330	0.318	0.318	0.292	14.36
14)	TP	Acrolein		0.042	0.051	0.041	0.043	0.044	0.045	0.044	0.044	7.19
15)	TP	Methylene chlo		0.327	0.249	0.234	0.223	0.229	0.228	0.233	0.246	14.83
17)	TP	Acetone			0.116	0.087	0.083	0.088	0.088	0.089	0.092	13.19
18)	TP	trans-1,2-Dich		0.183	0.232	0.227	0.218	0.223	0.223	0.231	0.220	7.72
19)	TP	Methyl acetate		0.170	0.211	0.202	0.209	0.215	0.214	0.214	0.205	7.92
20)	TP	Methyl tert butyl ether		0.629	0.685	0.710	0.704	0.728	0.732	0.741	0.704	5.44
21)	TP	tert-Butyl alc		0.027	0.029	0.029	0.029	0.030	0.030	0.030	0.029	3.91
22)	TP	Diisopropyl ether		0.954	1.077	1.141	1.119	1.165	1.166	1.195	1.117	7.27
23)	TP	1,1-Dichloroet		0.396	0.501	0.492	0.480	0.493	0.492	0.491	0.478	7.68
24)	TP	Halothane		0.122	0.168	0.179	0.175	0.180	0.177	0.180	0.169	12.42
25)	TP	Acrylonitrile		0.088	0.087	0.094	0.096	0.100	0.100	0.100	0.095	6.03
26)	TP	Ethyl tert-but		0.795	0.896	0.942	0.933	0.977	0.977	0.998	0.931	7.41
27)	TP	Vinyl acetate		0.327	0.250	0.241	0.298	0.322	0.335	0.300	0.296	12.59
28)	TP	cis-1,2-Dichlo		0.248	0.260	0.254	0.244	0.255	0.254	0.263	0.254	2.53
29)	TP	2,2-Dichloropr		0.261	0.321	0.328	0.337	0.339	0.335	0.338	0.323	8.71
30)	TP	Bromochloromet		0.106	0.109	0.106	0.101	0.101	0.100	0.099	0.103	3.75
31)	TP	Cyclohexane		0.421	0.599	0.612	0.582	0.596	0.577	0.586	0.567	11.59
32)	TC	Chloroform		0.360	0.385	0.420	0.401	0.418	0.416	0.424	0.404	5.81
33)	TP	Ethyl acetate		0.294	0.277	0.292	0.299	0.315	0.315	0.312	0.301	4.72
34)	TP	Carbon tetrachloride	0.335	0.249	0.313	0.335	0.317	0.339	0.330	0.333	0.319	9.29
35)	TP	Tetrahydrofuran			0.097	0.095	0.095	0.097	0.096	0.095	0.096	1.23
36)	S	Dibromofluoromethane	0.248	0.245	0.256	0.261	0.257	0.259	0.261	0.265	0.257	2.61
37)	TP	1,1,1-Trichlor		0.304	0.380	0.386	0.373	0.385	0.379	0.390	0.371	8.14
39)	TP	2-Butanone			0.107	0.136	0.143	0.147	0.150	0.147	0.138	11.59

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2348770**
Project Name	**: NEW PALTZ PLAZA**	**Project Number**	**: 2014-45**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL20208**
Calibration dates	**: 07/26/23 18:49 07/26/23 22:47**		

Calibration Files

L11 =VG230726N03.D L1 =VG230726N05.D L2 =VG230726N07.D L3 =VG230726N09.D L4 =VG230726N10.D

L6 =VG230726N11.D L8 =VG230726N12.D L10 =VG230726N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.247	0.332	0.345	0.336	0.347	0.340	0.351	0.328	11.12
41) TP	Benzene	0.911	0.801	0.958	0.963	0.942	0.977	0.974	1.010	0.942	6.76
42) TP	Tertiary-Amyl Methyl Ether		0.617	0.691	0.729	0.709	0.744	0.746	0.760	0.714	6.83
43) S	1,2-Dichloroethane-d4	0.305	0.318	0.332	0.343	0.325	0.328	0.335	0.329	0.327	3.51
44) TP	1,2-Dichloroet		0.327	0.354	0.357	0.349	0.357	0.356	0.362	0.352	3.28
47) TP	Methyl cyclohe		0.301	0.421	0.454	0.429	0.439	0.422	0.423	0.413	12.30
48) TP	Trichloroethene	0.323	0.239	0.283	0.295	0.277	0.284	0.277	0.288	0.283	8.16
50) TP	Dibromomethane		0.136	0.135	0.137	0.135	0.139	0.140	0.141	0.138	1.74
51) TC	1,2-Dichloropr		0.243	0.274	0.280	0.270	0.279	0.281	0.286	0.273	5.19
53) TP	2-Chloroethyl		0.159	0.174	0.179	0.174	0.183	0.182	0.178	0.176	4.54
54) TP	Bromodichlorom		0.302	0.319	0.326	0.313	0.329	0.327	0.338	0.322	3.66
57) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.002#	2.28
58) TP	cis-1,3-Dichlo		0.359	0.388	0.394	0.393	0.409	0.410	0.420	0.396	5.03
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.244	1.285	1.263	1.254	1.272	1.276	1.268	1.288	1.269	1.17
61) TC	Toluene		0.617	0.708	0.712	0.683	0.714	0.697	0.723	0.693	5.21
62) TP	4-Methyl-2-pen		0.111	0.111	0.117	0.119	0.125	0.123	0.122	0.118	4.63
63) TP	Tetrachloroethene		0.255	0.318	0.320	0.306	0.314	0.302	0.308	0.303	7.30
65) TP	trans-1,3-Dich		0.397	0.417	0.418	0.423	0.443	0.435	0.450	0.426	4.20
67) TP	Ethyl methacry		0.335	0.334	0.347	0.343	0.359	0.354	0.354	0.347	2.84
68) TP	1,1,2-Trichlor		0.207	0.212	0.202	0.197	0.204	0.199	0.204	0.203	2.37
69) TP	Chlorodibromom		0.234	0.272	0.271	0.269	0.285	0.281	0.289	0.272	6.67
70) TP	1,3-Dichloropr		0.394	0.408	0.422	0.408	0.428	0.422	0.433	0.416	3.32
71) TP	1,2-Dibromoethane		0.226	0.235	0.240	0.237	0.248	0.244	0.249	0.240	3.40
72) TP	2-Hexanone		0.248	0.244	0.243	0.249	0.262	0.251	0.252	0.250	2.56
73) TP	Chlorobenzene		0.691	0.742	0.746	0.717	0.748	0.733	0.756	0.733	3.06
74) TC	Ethylbenzene		1.148	1.343	1.356	1.305	1.367	1.338	1.398	1.322	6.19
75) TP	1,1,1,2-Tetrac		0.235	0.275	0.278	0.270	0.286	0.283	0.292	0.274	6.77
76) TP	p/m Xylene		0.443	0.522	0.525	0.504	0.518	0.503	0.516	0.504	5.63
77) TP	o Xylene		0.427	0.501	0.501	0.483	0.501	0.486	0.497	0.485	5.51
78) TP	Styrene		0.762	0.840	0.859	0.823	0.867	0.849	0.861	0.837	4.32
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.303	0.324	0.323	0.332	0.351	0.352	0.362	0.335	6.18
82) TP	Isopropylbenzene		1.733	2.223	2.264	2.170	2.260	2.248	2.339	2.177	9.27
83) S	4-Bromofluorobenzene	0.938	0.920	0.907	0.889	0.896	0.884	0.913	0.906	0.907	1.91
84) TP	Bromobenzene		0.520	0.580	0.560	0.547	0.569	0.566	0.572	0.559	3.59

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2348770**
Project Name	**: NEW PALTZ PLAZA**	**Project Number**	**: 2014-45**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL20208**
Calibration dates	**: 07/26/23 18:49 07/26/23 22:47**		

Calibration Files
L11 =VG230726N03.D L1 =VG230726N05.D L2 =VG230726N07.D L3 =VG230726N09.D L4 =VG230726N10.D
L6 =VG230726N11.D L8 =VG230726N12.D L10 =VG230726N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.120	2.682	2.695	2.580	2.671	2.668	2.733	2.593	8.23
86) TP	1,4-Dichlorobu		0.990	0.929	0.951	0.916	0.951	0.962	0.977	0.954	2.71
87) TP	1,1,2,2-Tetrac		0.463	0.448	0.445	0.451	0.467	0.478	0.471	0.460	2.76
88) TP	4-Ethyltoluene		1.758	2.193	2.242	2.171	2.236	2.232	2.300	2.162	8.45
89) TP	2-Chlorotoluene		1.385	1.628	1.626	1.565	1.623	1.636	1.707	1.596	6.37
90) TP	1,3,5-Trimethy		1.644	1.923	1.946	1.845	1.926	1.926	1.978	1.884	6.02
91) TP	1,2,3-Trichlor		0.483	0.430	0.438	0.429	0.447	0.450	0.451	0.447	4.10
92) TP	trans-1,4-Dich		0.172	0.188	0.187	0.191	0.204	0.205	0.206	0.193	6.54
93) TP	4-Chlorotoluene		1.457	1.699	1.666	1.626	1.701	1.708	1.772	1.661	6.04
94) TP	tert-Butylbenzene		1.271	1.540	1.575	1.515	1.560	1.549	1.574	1.512	7.17
97) TP	1,2,4-Trimethy		1.500	1.801	1.827	1.780	1.881	1.901	1.963	1.807	8.27
98) TP	sec-Butylbenzene		1.741	2.286	2.338	2.220	2.293	2.282	2.323	2.212	9.53
99) TP	p-Isopropyltol		1.511	1.860	1.941	1.871	1.958	1.952	1.983	1.868	8.77
100) TP	1,3-Dichlorobe		0.948	1.044	1.058	1.034	1.075	1.072	1.097	1.047	4.64
101) TP	1,4-Dichlorobe		1.018	1.053	1.096	1.054	1.087	1.081	1.113	1.072	3.00
102) TP	p-Diethylbenzene		0.910	1.045	1.111	1.084	1.142	1.137	1.173	1.086	8.12
103) TP	n-Butylbenzene		1.158	1.471	1.541	1.522	1.621	1.610	1.674	1.514	11.30
104) TP	1,2-Dichlorobe		0.975	1.026	1.022	0.984	1.025	1.027	1.047	1.015	2.55
105) TP	1,2,4,5-Tetram		1.086	1.222	1.341	1.387	1.554	1.586	1.668	1.406	14.91
106) TP	1,2-Dibromo-3-		0.097	0.086	0.086	0.087	0.093	0.095	0.094	0.091	5.22
107) TP	1,3,5-Trichlor		0.592	0.648	0.691	0.685	0.743	0.737	0.751	0.693	8.35
108) TP	Hexachlorobuta		0.224	0.281	0.281	0.276	0.289	0.288	0.281	0.274	8.32
109) TP	1,2,4-Trichlor		0.461	0.535	0.565	0.578	0.636	0.642	0.640	0.580	11.61
110) TP	Naphthalene		0.912	0.882	1.017	1.055	1.228	1.260	1.282	1.091	15.28
111) TP	1,2,3-Trichlor		0.383	0.429	0.463	0.474	0.525	0.527	0.512	0.473	11.31

Response Factor Report Gonzo

Method Path : K:\Gonzo\2023\230726NICAL\
Method File : G_230726N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jul 27 11:43:17 2023
Response Via : Initial Calibration

Calibration Files
L11 =VG230726N03.D L1 =VG230726N05.D L2 =VG230726N07.D L3 =VG230726N09.D L4 =VG230726N10.D
L6 =VG230726N11.D L8 =VG230726N12.D L10 =VG230726N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.204	0.299	0.300	0.285	0.290	0.284	0.279	0.277	11.99
3)	TP	Chloromethane		0.351	0.416	0.416	0.396	0.407	0.407	0.420	0.402	5.89
4)	TC	Vinyl chloride	0.245	0.239	0.309	0.312	0.297	0.303	0.300	0.311	0.290	10.33
5)	TP	Bromomethane		0.163	0.170	0.139	0.129	0.136	0.141	0.151	0.147	10.31
6)	TP	Chloroethane		0.145	0.158	0.152	0.127	0.115	0.103	0.099	0.128	18.71
7)	TP	Trichlorofluor...		0.225	0.312	0.354	0.336	0.349	0.340	0.345	0.323	14.05
8)	TP	Ethyl ether		0.121	0.117	0.125	0.122	0.123	0.124	0.126	0.123	2.40
10)	TC	1,1-Dichloroet...		0.151	0.218	0.219	0.204	0.212	0.211	0.217	0.205	11.76
11)	TP	Carbon disulfide		0.514	0.647	0.667	0.633	0.664	0.656	0.678	0.637	8.83
12)	TP	Freon-113		0.157	0.222	0.238	0.226	0.231	0.225	0.224	0.217	12.54
13)	TP	Iodomethane		0.224	0.242	0.297	0.317	0.330	0.318	0.318	0.292	14.36
14)	TP	Acrolein		0.042	0.051	0.041	0.043	0.044	0.045	0.044	0.044	7.19
15)	TP	Methylene chlo...		0.327	0.249	0.234	0.223	0.229	0.228	0.233	0.246	14.83
17)	TP	Acetone			0.116	0.087	0.083	0.088	0.088	0.089	0.092	13.19
18)	TP	trans-1,2-Dich...		0.183	0.232	0.227	0.218	0.223	0.223	0.231	0.220	7.72
19)	TP	Methyl acetate		0.170	0.211	0.202	0.209	0.215	0.214	0.214	0.205	7.92
20)	TP	Methyl tert-bu...		0.629	0.685	0.710	0.704	0.728	0.732	0.741	0.704	5.44
21)	TP	tert-Butyl alc...		0.027	0.029	0.029	0.029	0.030	0.030	0.030	0.029	3.91
22)	TP	Diisopropyl ether		0.954	1.077	1.141	1.119	1.165	1.166	1.195	1.117	7.27
23)	TP	1,1-Dichloroet...		0.396	0.501	0.492	0.480	0.493	0.492	0.491	0.478	7.68
24)	TP	Halothane		0.122	0.168	0.179	0.175	0.180	0.177	0.180	0.169	12.42
25)	TP	Acrylonitrile		0.088	0.087	0.094	0.096	0.100	0.100	0.100	0.095	6.03
26)	TP	Ethyl tert-but...		0.795	0.896	0.942	0.933	0.977	0.977	0.998	0.931	7.41
27)	TP	Vinyl acetate		0.327	0.250	0.241	0.298	0.322	0.335	0.300	0.296	12.59
28)	TP	cis-1,2-Dichlo...		0.248	0.260	0.254	0.244	0.255	0.254	0.263	0.254	2.53
29)	TP	2,2-Dichloropr...		0.261	0.321	0.328	0.337	0.339	0.335	0.338	0.323	8.71
30)	TP	Bromochloromet...		0.106	0.109	0.106	0.101	0.101	0.100	0.099	0.103	3.75
31)	TP	Cyclohexane		0.421	0.599	0.612	0.582	0.596	0.577	0.586	0.567	11.59
32)	TC	Chloroform		0.360	0.385	0.420	0.401	0.418	0.416	0.424	0.404	5.81
33)	TP	Ethyl acetate		0.294	0.277	0.292	0.299	0.315	0.315	0.312	0.301	4.72

Method Path : K:\Gonzo\2023\230726NICAL\
Method File : G_230726N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jul 27 11:43:17 2023
Response Via : Initial Calibration

Calibration Files
L11 =VG230726N03.D L1 =VG230726N05.D L2 =VG230726N07.D L3 =VG230726N09.D L4 =VG230726N10.D
L6 =VG230726N11.D L8 =VG230726N12.D L10 =VG230726N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.335	0.249	0.313	0.335	0.317	0.339	0.330	0.333	0.319	9.29
35)	TP	Tetrahydrofuran			0.097	0.095	0.095	0.097	0.096	0.095	0.096	1.23
36)	S	Dibromofluorom...	0.248	0.245	0.256	0.261	0.257	0.259	0.261	0.265	0.257	2.61
37)	TP	1,1,1-Trichlor...		0.304	0.380	0.386	0.373	0.385	0.379	0.390	0.371	8.14
39)	TP	2-Butanone			0.107	0.136	0.143	0.147	0.150	0.147	0.138	11.59
40)	TP	1,1-Dichloropr...		0.247	0.332	0.345	0.336	0.347	0.340	0.351	0.328	11.12
41)	TP	Benzene	0.911	0.801	0.958	0.963	0.942	0.977	0.974	1.010	0.942	6.76
42)	TP	tert-Amyl meth...		0.617	0.691	0.729	0.709	0.744	0.746	0.760	0.714	6.83
43)	S	1,2-Dichloroet...	0.305	0.318	0.332	0.343	0.325	0.328	0.335	0.329	0.327	3.51
44)	TP	1,2-Dichloroet...		0.327	0.354	0.357	0.349	0.357	0.356	0.362	0.352	3.28
47)	TP	Methyl cyclohe...		0.301	0.421	0.454	0.429	0.439	0.422	0.423	0.413	12.30
48)	TP	Trichloroethene	0.323	0.239	0.283	0.295	0.277	0.284	0.277	0.288	0.283	8.16
50)	TP	Dibromomethane		0.136	0.135	0.137	0.135	0.139	0.140	0.141	0.138	1.74
51)	TC	1,2-Dichloropr...		0.243	0.274	0.280	0.270	0.279	0.281	0.286	0.273	5.19
53)	TP	2-Chloroethyl ...		0.159	0.174	0.179	0.174	0.183	0.182	0.178	0.176	4.54
54)	TP	Bromodichlorom...		0.302	0.319	0.326	0.313	0.329	0.327	0.338	0.322	3.66
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.002#	2.28
58)	TP	cis-1,3-Dichlo...		0.359	0.388	0.394	0.393	0.409	0.410	0.420	0.396	5.03
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.244	1.285	1.263	1.254	1.272	1.276	1.268	1.288	1.269	1.17
61)	TC	Toluene		0.617	0.708	0.712	0.683	0.714	0.697	0.723	0.693	5.21
62)	TP	4-Methyl-2-pen...		0.111	0.111	0.117	0.119	0.125	0.123	0.122	0.118	4.63
63)	TP	Tetrachloroethene		0.255	0.318	0.320	0.306	0.314	0.302	0.308	0.303	7.30
65)	TP	trans-1,3-Dich...		0.397	0.417	0.418	0.423	0.443	0.435	0.450	0.426	4.20
67)	TP	Ethyl methacry...		0.335	0.334	0.347	0.343	0.359	0.354	0.354	0.347	2.84
68)	TP	1,1,2-Trichlor...		0.207	0.212	0.202	0.197	0.204	0.199	0.204	0.203	2.37
69)	TP	Chlorodibromom...		0.234	0.272	0.271	0.269	0.285	0.281	0.289	0.272	6.67
70)	TP	1,3-Dichloropr...		0.394	0.408	0.422	0.408	0.428	0.422	0.433	0.416	3.32
71)	TP	1,2-Dibromoethane		0.226	0.235	0.240	0.237	0.248	0.244	0.249	0.240	3.40
72)	TP	2-Hexanone		0.248	0.244	0.243	0.249	0.262	0.251	0.252	0.250	2.56
73)	TP	Chlorobenzene		0.691	0.742	0.746	0.717	0.748	0.733	0.756	0.733	3.06

Method Path : K:\Gonzo\2023\230726NICAL\
Method File : G_230726N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jul 27 11:43:17 2023
Response Via : Initial Calibration

Calibration Files
L11 =VG230726N03.D L1 =VG230726N05.D L2 =VG230726N07.D L3 =VG230726N09.D L4 =VG230726N10.D
L6 =VG230726N11.D L8 =VG230726N12.D L10 =VG230726N13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TC	Ethylbenzene		1.148	1.343	1.356	1.305	1.367	1.338	1.398	1.322	6.19
75)	TP	1,1,1,2-Tetrac...		0.235	0.275	0.278	0.270	0.286	0.283	0.292	0.274	6.77
76)	TP	p/m Xylene		0.443	0.522	0.525	0.504	0.518	0.503	0.516	0.504	5.63
77)	TP	o Xylene		0.427	0.501	0.501	0.483	0.501	0.486	0.497	0.485	5.51
78)	TP	Styrene		0.762	0.840	0.859	0.823	0.867	0.849	0.861	0.837	4.32
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.303	0.324	0.323	0.332	0.351	0.352	0.362	0.335	6.18
82)	TP	Isopropylbenzene		1.733	2.223	2.264	2.170	2.260	2.248	2.339	2.177	9.27
83)	S	4-Bromofluorob...	0.938	0.920	0.907	0.889	0.896	0.884	0.913	0.906	0.907	1.91
84)	TP	Bromobenzene		0.520	0.580	0.560	0.547	0.569	0.566	0.572	0.559	3.59
85)	TP	n-Propylbenzene		2.120	2.682	2.695	2.580	2.671	2.668	2.733	2.593	8.23
86)	TP	1,4-Dichlorobu...		0.990	0.929	0.951	0.916	0.951	0.962	0.977	0.954	2.71
87)	TP	1,1,2,2-Tetrac...		0.463	0.448	0.445	0.451	0.467	0.478	0.471	0.460	2.76
88)	TP	4-Ethyltoluene		1.758	2.193	2.242	2.171	2.236	2.232	2.300	2.162	8.45
89)	TP	2-Chlorotoluene		1.385	1.628	1.626	1.565	1.623	1.636	1.707	1.596	6.37
90)	TP	1,3,5-Trimethy...		1.644	1.923	1.946	1.845	1.926	1.926	1.978	1.884	6.02
91)	TP	1,2,3-Trichlor...		0.483	0.430	0.438	0.429	0.447	0.450	0.451	0.447	4.10
92)	TP	trans-1,4-Dich...		0.172	0.188	0.187	0.191	0.204	0.205	0.206	0.193	6.54
93)	TP	4-Chlorotoluene		1.457	1.699	1.666	1.626	1.701	1.708	1.772	1.661	6.04
94)	TP	tert-Butylbenzene		1.271	1.540	1.575	1.515	1.560	1.549	1.574	1.512	7.17
97)	TP	1,2,4-Trimethy...		1.500	1.801	1.827	1.780	1.881	1.901	1.963	1.807	8.27
98)	TP	sec-Butylbenzene		1.741	2.286	2.338	2.220	2.293	2.282	2.323	2.212	9.53
99)	TP	p-Isopropyltol...		1.511	1.860	1.941	1.871	1.958	1.952	1.983	1.868	8.77
100)	TP	1,3-Dichlorobe...		0.948	1.044	1.058	1.034	1.075	1.072	1.097	1.047	4.64
101)	TP	1,4-Dichlorobe...		1.018	1.053	1.096	1.054	1.087	1.081	1.113	1.072	3.00
102)	TP	p-Diethylbenzene		0.910	1.045	1.111	1.084	1.142	1.137	1.173	1.086	8.12
103)	TP	n-Butylbenzene		1.158	1.471	1.541	1.522	1.621	1.610	1.674	1.514	11.30
104)	TP	1,2-Dichlorobe...		0.975	1.026	1.022	0.984	1.025	1.027	1.047	1.015	2.55
105)	TP	1,2,4,5-Tetram...		1.086	1.222	1.341	1.387	1.554	1.586	1.668	1.406	14.91
106)	TP	1,2-Dibromo-3-...		0.097	0.086	0.086	0.087	0.093	0.095	0.094	0.091	5.22
107)	TP	1,3,5-Trichlor...		0.592	0.648	0.691	0.685	0.743	0.737	0.751	0.693	8.35

Method Path : K:\Gonzo\2023\230726NICAL\
Method File : G_230726N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jul 27 11:43:17 2023
Response Via : Initial Calibration

Calibration Files
L11 =VG230726N03.D L1 =VG230726N05.D L2 =VG230726N07.D L3 =VG230726N09.D L4 =VG230726N10.D
L6 =VG230726N11.D L8 =VG230726N12.D L10 =VG230726N13.D

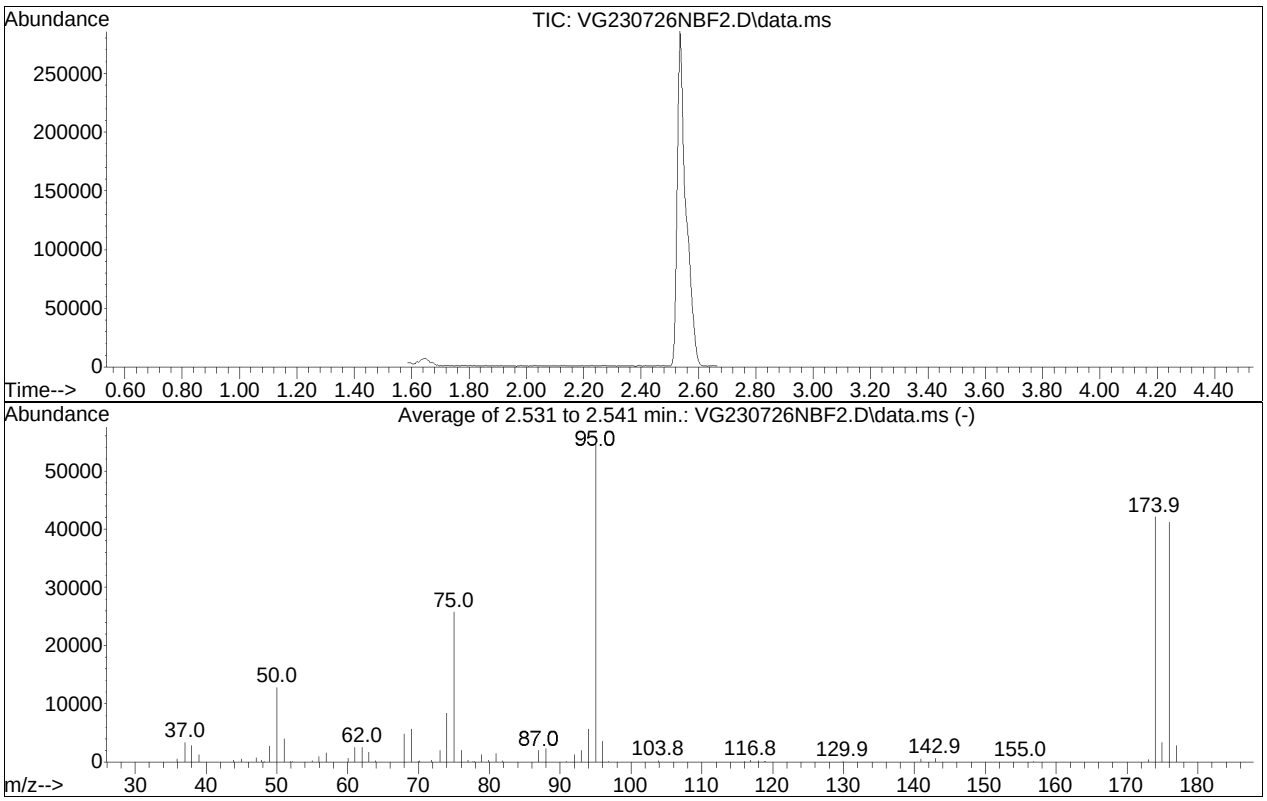
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.224	0.281	0.281	0.276	0.289	0.288	0.281	0.274		8.32
109)	TP 1,2,4-Trichlor...	0.461	0.535	0.565	0.578	0.636	0.642	0.640	0.580		11.61
110)	TP Naphthalene	0.912	0.882	1.017	1.055	1.228	1.260	1.282	1.091		15.28
111)	TP 1,2,3-Trichlor...	0.383	0.429	0.463	0.474	0.525	0.527	0.512	0.473		11.31

(#) = Out of Range

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726NBF2.D
Acq On : 26 Jul 2023 5:43 pm
Operator : GONZO:TMS
Sample : WG1808529-1
Misc : WG1808529
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jul 27 11:43:17 2023



AutoFind: Scans 181, 182, 183; Background Corrected with Scan 174

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	12813	PASS
75	95	30	60	46.9	25728	PASS
95	95	100	100	100.0	54853	PASS
96	95	5	9	6.5	3558	PASS
173	174	0.00	2	1.2	510	PASS
174	95	50	100	76.8	42101	PASS
175	174	5	9	8.0	3369	PASS
176	174	95	101	97.8	41163	PASS
177	176	5	9	6.9	2857	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N03.D
Acq On : 26 Jul 2023 6:49 pm
Operator : GONZO:PID
Sample : I8260STD0.19PPB
Misc : WG1808529,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 27 11:39:15 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	516020	10.000	ug/L	0.00
Standard Area 1 = 503562			Recovery = 102.47%			
59) Chlorobenzene-d5	9.686	117	420306	10.000	ug/L	0.00
Standard Area 1 = 431052			Recovery = 97.51%			
79) 1,4-Dichlorobenzene-d4	12.360	152	241169	10.000	ug/L	0.00
Standard Area 1 = 250732			Recovery = 96.19%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	128139	9.678	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.78%			
43) 1,2-Dichloroethane-d4	5.858	65	157299	9.328	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.28%			
60) Toluene-d8	7.829	98	522910	9.806	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.06%			
83) 4-Bromofluorobenzene	11.159	95	226121	10.341	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.41%			
Target Compounds						Qvalue
4) Vinyl chloride	1.968	62	2404	0.161	ug/L	97
34) Carbon tetrachloride	5.281	117	3285	0.200	ug/L	95
41) Benzene	5.721	78	8929	0.184	ug/L #	84
48) Trichloroethene	6.329	95	3166	0.217	ug/L #	78

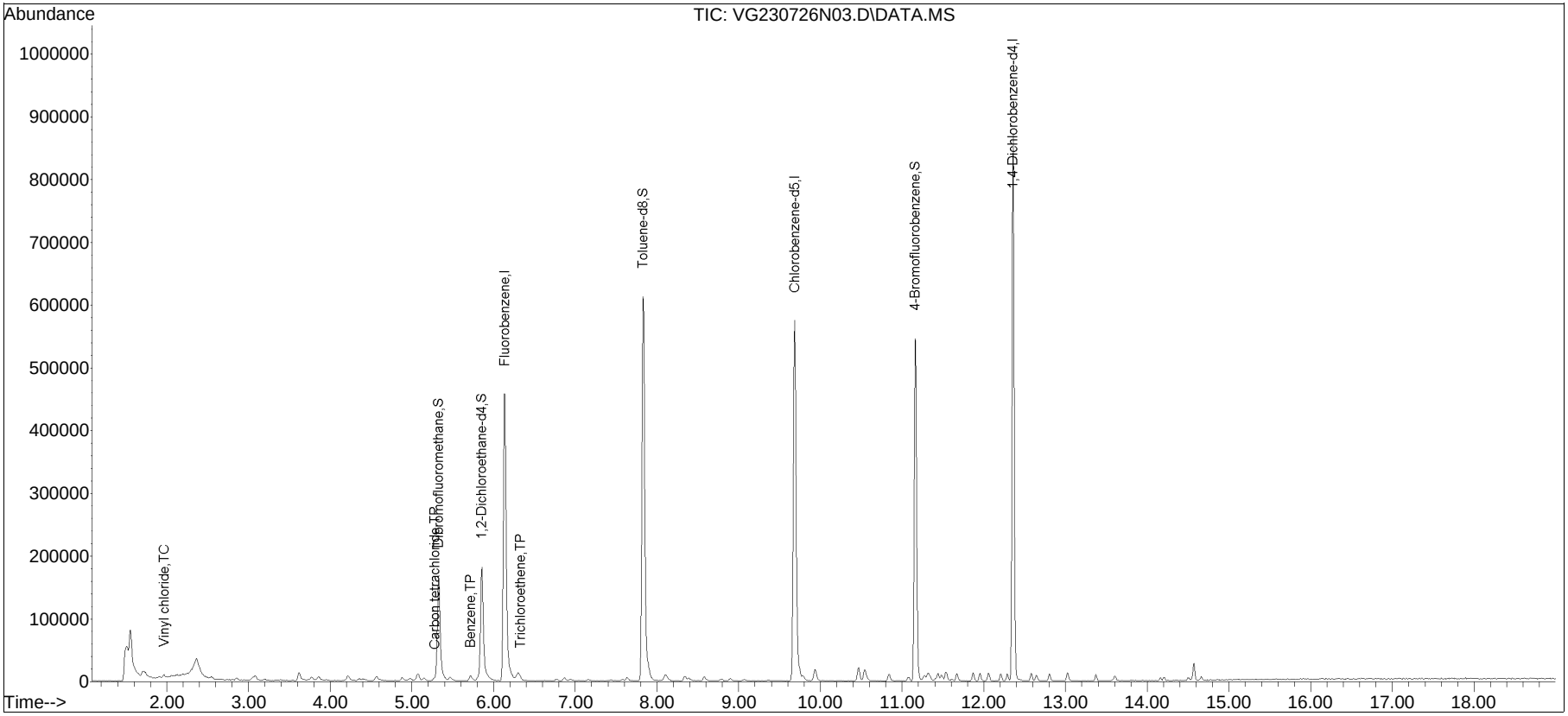
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N03.D
Acq On : 26 Jul 2023 6:49 pm
Operator : GONZO:PID
Sample : I8260STD0.19PPB
Misc : WG1808529,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 27 11:39:15 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR product9.D•



Manual Integration Report

Data Path	: K:\Gonzo\2023\230726NICAL\	QMethod	: G_230726N_8260.m
Data File	: VG230726N03.D	Operator	: GONZO:PID
Date Inj'd	: 7/26/2023 6:49 pm	Instrument	: Gonzo
Sample	: I8260STD0.19PPB	Quant Date	: 7/27/2023 11:39 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N05.D
Acq On : 26 Jul 2023 7:37 pm
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG1808529,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 27 11:39:24 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.139	96	509712	10.000 ug/L	0.00
Standard Area 1 = 503562			Recovery = 101.22%		
59) Chlorobenzene-d5	9.686	117	413183	10.000 ug/L	0.00
Standard Area 1 = 431052			Recovery = 95.85%		
79) 1,4-Dichlorobenzene-d4	12.360	152	241535	10.000 ug/L	0.00
Standard Area 1 = 250732			Recovery = 96.33%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.326	113	125005	9.558 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.58%		
43) 1,2-Dichloroethane-d4	5.858	65	161891	9.719 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.19%		
60) Toluene-d8	7.829	98	530787	10.125 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.25%		
83) 4-Bromofluorobenzene	11.167	95	222256	10.149 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.49%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.695	85	5199	0.368 ug/L #	91
3) Chloromethane	1.915	50	8954	0.437 ug/L	95
4) Vinyl chloride	1.968	62	6085	0.412 ug/L	94
5) Bromomethane	2.287	94	4143	0.553 ug/L	99
6) Chloroethane	2.394	64	3694	0.565 ug/L	89
7) Trichlorofluoromethane	2.546	101	5730	0.348 ug/L	87
8) Ethyl ether	2.850	74	3094	0.495 ug/L #	52
10) 1,1-Dichloroethene	3.047	96	3857	0.370 ug/L #	75
11) Carbon disulfide	3.085	76	13089	0.403 ug/L	98
12) Freon-113	3.085	101	3999	0.361 ug/L #	56
13) Iodomethane	3.199	142	5711	0.383 ug/L #	88
14) Acrolein	3.389	56	1078M3	0.476 ug/L	
15) Methylene chloride	3.617	84	8334	0.664 ug/L #	63
17) Acetone	3.670	43	3434	0.687 ug/L #	80
18) trans-1,2-Dichloroethene	3.769	96	4659	0.416 ug/L	80
19) Methyl acetate	3.792	43	4330M6	0.414 ug/L	
20) Methyl tert-butyl ether	3.860	73	16021	0.446 ug/L #	84
21) tert-Butyl alcohol	3.959	59	3465	2.327 ug/L #	66
22) Diisopropyl ether	4.217	45	24317	0.427 ug/L	91
23) 1,1-Dichloroethane	4.354	63	10088	0.414 ug/L	96
24) Halothane	4.415	117	3116	0.362 ug/L	95

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N05.D
Acq On : 26 Jul 2023 7:37 pm
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG1808529,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 27 11:39:24 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.437	53	2251	0.465	ug/L	#	87
26) Ethyl tert-butyl ether	4.567	59	20266	0.427	ug/L	#	65
27) Vinyl acetate	4.627	43	8322M3	0.552	ug/L		
28) cis-1,2-Dichloroethene	4.870	96	6333	0.489	ug/L		87
29) 2,2-Dichloropropane	4.977	77	6640	0.404	ug/L		89
30) Bromochloromethane	5.083	128	2698	0.513	ug/L	#	57
31) Cyclohexane	5.076	56	10721	0.371	ug/L		67
32) Chloroform	5.152	83	9184	0.447	ug/L		94
33) Ethyl acetate	5.266	43	7498	0.489	ug/L	#	86
34) Carbon tetrachloride	5.281	117	6352	0.391	ug/L		98
35) Tetrahydrofuran	5.311	42	3898	0.736	ug/L	#	63
37) 1,1,1-Trichloroethane	5.349	97	7737	0.409	ug/L		89
39) 2-Butanone	5.455	43	1765M6	0.270	ug/L		
40) 1,1-Dichloropropene	5.471	75	6290	0.376	ug/L		96
41) Benzene	5.721	78	20423	0.425	ug/L	#	89
42) tert-Amyl methyl ether	5.820	73	15729	0.432	ug/L	#	85
44) 1,2-Dichloroethane	5.927	62	8343	0.465	ug/L		97
47) Methyl cyclohexane	6.291	83	7668	0.365	ug/L	#	48
48) Trichloroethene	6.314	95	6103	0.423	ug/L		85
50) Dibromomethane	6.785	93	3476	0.496	ug/L		88
51) 1,2-Dichloropropane	6.876	63	6205	0.445	ug/L		93
53) 2-Chloroethyl vinyl ether	7.564	63	4064	0.454	ug/L	#	70
54) Bromodichloromethane	6.945	83	7693	0.469	ug/L		98
57) 1,4-Dioxane	7.149	88	12304	97.915	ug/L	#	71
58) cis-1,3-Dichloropropene	7.650	75	9148	0.453	ug/L	#	77
61) Toluene	7.894	92	12742	0.445	ug/L		96
62) 4-Methyl-2-pentanone	8.338	58	2296	0.469	ug/L	#	41
63) Tetrachloroethene	8.345	166	5275	0.421	ug/L		98
65) trans-1,3-Dichloropropene	8.395	75	8209	0.466	ug/L	#	76
67) Ethyl methacrylate	8.574	69	6912	0.483	ug/L		88
68) 1,1,2-Trichloroethane	8.574	83	4277	0.509	ug/L		95
69) Chlorodibromomethane	8.782	129	4843	0.431	ug/L		89
70) 1,3-Dichloropropane	8.896	76	8132	0.473	ug/L		92
71) 1,2-Dibromoethane	9.068	107	4662	0.471	ug/L		100
72) 2-Hexanone	9.369	43	5132	0.497	ug/L	#	76
73) Chlorobenzene	9.711	112	14270	0.471	ug/L	#	63
74) Ethylbenzene	9.744	91	23717	0.434	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.785	131	4863	0.429	ug/L	#	63
76) p/m Xylene	9.933	106	18291	0.878	ug/L		95
77) o Xylene	10.460	106	17649	0.880	ug/L		92

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N05.D
Acq On : 26 Jul 2023 7:37 pm
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG1808529,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 27 11:39:24 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.534	104	31503	0.910	ug/L		93
80) Bromoform	10.566	173	3656	0.451	ug/L		96
82) Isopropylbenzene	10.838	105	20935	0.398	ug/L		97
84) Bromobenzene	11.274	156	6282	0.465	ug/L		97
85) n-Propylbenzene	11.315	91	25607	0.409	ug/L		99
86) 1,4-Dichlorobutane	11.348	55	11955	0.519	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.406	83	5592	0.503	ug/L		96
88) 4-Ethyltoluene	11.438	105	21227	0.407	ug/L		96
89) 2-Chlorotoluene	11.488	91	16730M1	0.434	ug/L		
90) 1,3,5-Trimethylbenzene	11.537	105	19851	0.436	ug/L		97
91) 1,2,3-Trichloropropane	11.545	75	5836	0.541	ug/L		91
92) trans-1,4-Dichloro-2-b...	11.595	53	2076	0.445	ug/L	#	92
93) 4-Chlorotoluene	11.669	91	17598	0.439	ug/L		92
94) tert-Butylbenzene	11.866	119	15344	0.420	ug/L		94
97) 1,2,4-Trimethylbenzene	11.948	105	18113	0.415	ug/L		99
98) sec-Butylbenzene	12.055	105	21028	0.394	ug/L		95
99) p-Isopropyltoluene	12.212	119	18252	0.405	ug/L		96
100) 1,3-Dichlorobenzene	12.286	146	11444	0.453	ug/L		98
101) 1,4-Dichlorobenzene	12.376	146	12291	0.475	ug/L	#	77
102) p-Diethylbenzene	12.582	119	10988	0.419	ug/L		97
103) n-Butylbenzene	12.640	91	13984M1	0.382	ug/L		
104) 1,2-Dichlorobenzene	12.804	146	11772	0.480	ug/L		95
105) 1,2,4,5-Tetramethylben...	13.372	119	13120	0.386	ug/L		96
106) 1,2-Dibromo-3-chloropr...	13.577	155	1174	0.534	ug/L		96
107) 1,3,5-Trichlorobenzene	13.602	180	7153	0.428	ug/L		96
108) Hexachlorobutadiene	14.161	225	2700	0.408	ug/L		87
109) 1,2,4-Trichlorobenzene	14.203	180	5564	0.397	ug/L		100
110) Naphthalene	14.499	128	11009	0.418	ug/L		100
111) 1,2,3-Trichlorobenzene	14.663	180	4630	0.405	ug/L		90

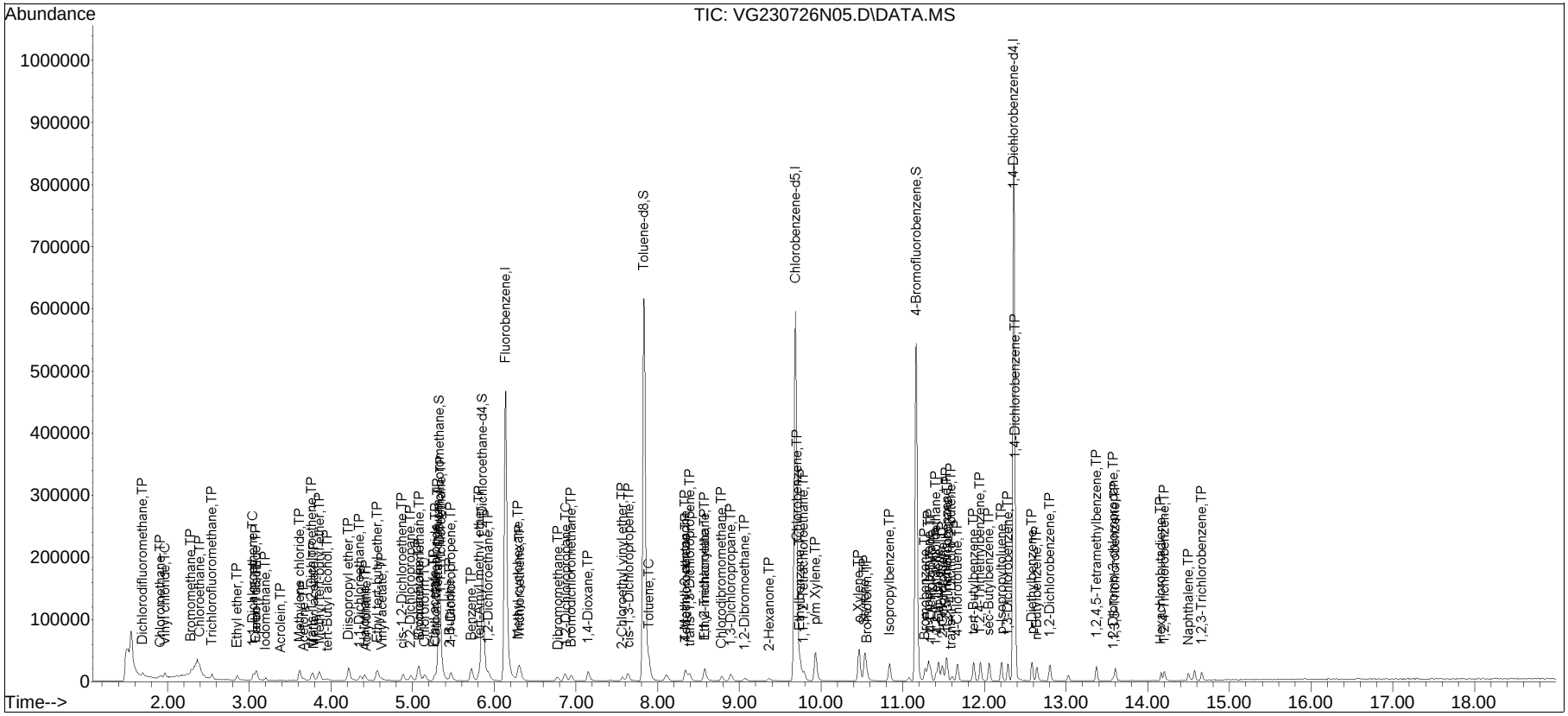
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N05.D
Acq On : 26 Jul 2023 7:37 pm
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG1808529,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 27 11:39:24 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

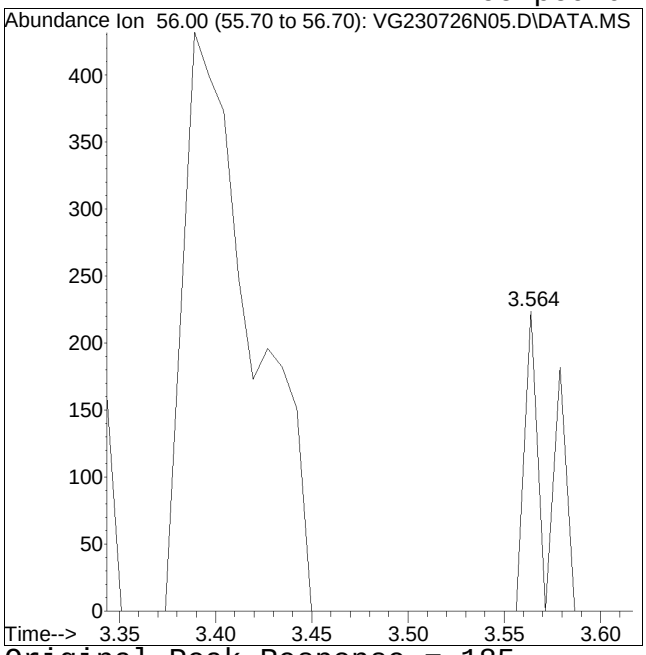
Sub List : 8260-Curve - Megamix plus DioxVG230726N09.D•

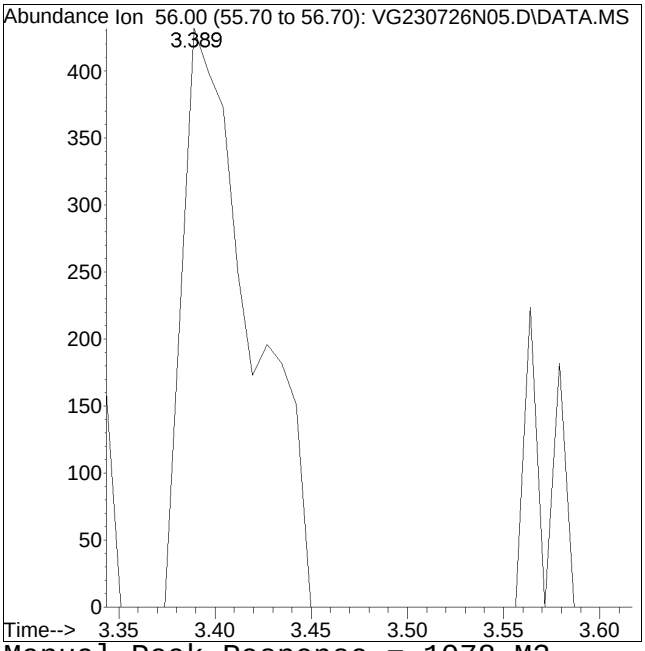


Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N05.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 7:37 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/27/2023 11:39 am

Compound #14: Acrolein





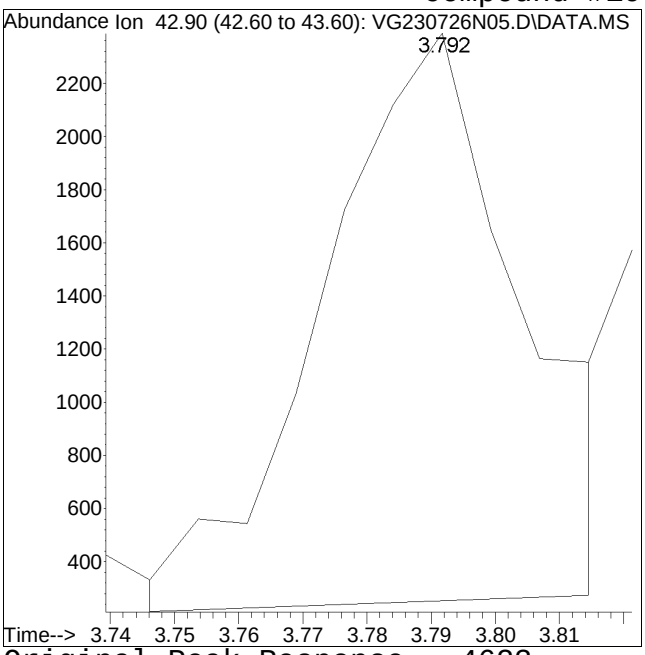
Original Peak Response = 185 Manual Peak Response = 1078 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

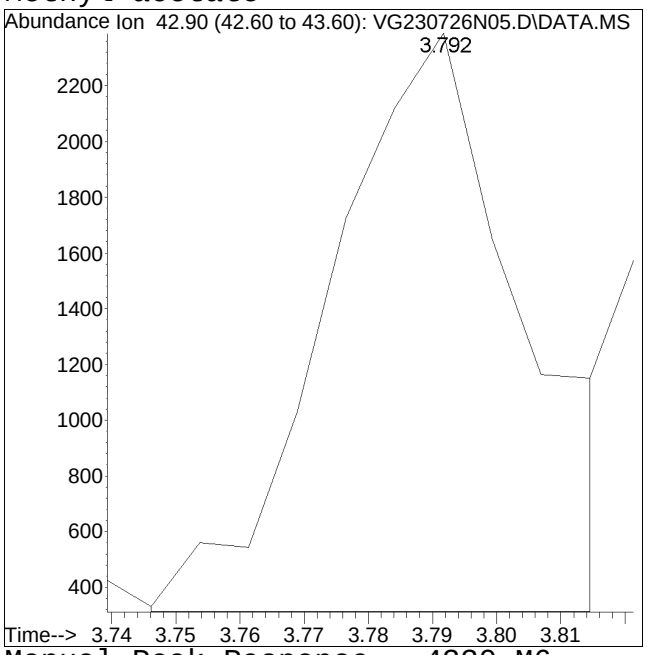
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N05.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 7:37 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/27/2023 11:39 am

Compound #19: Methyl acetate



Original Peak Response = 4623



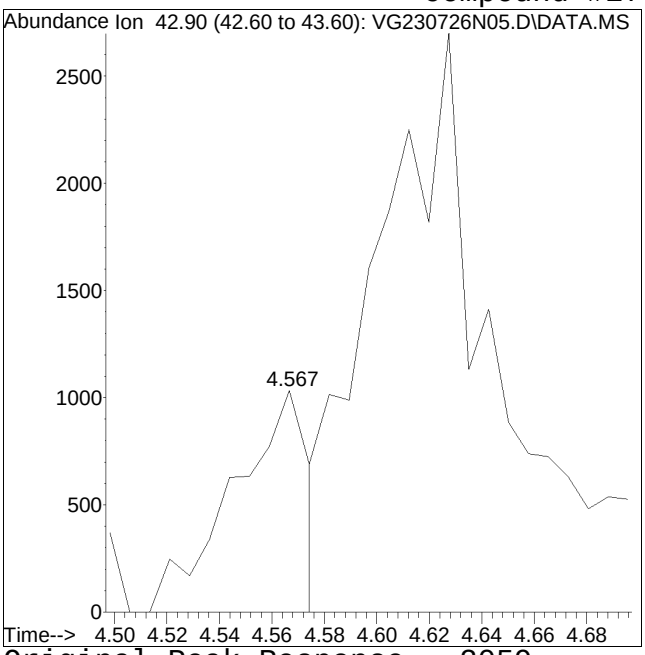
Manual Peak Response = 4330 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

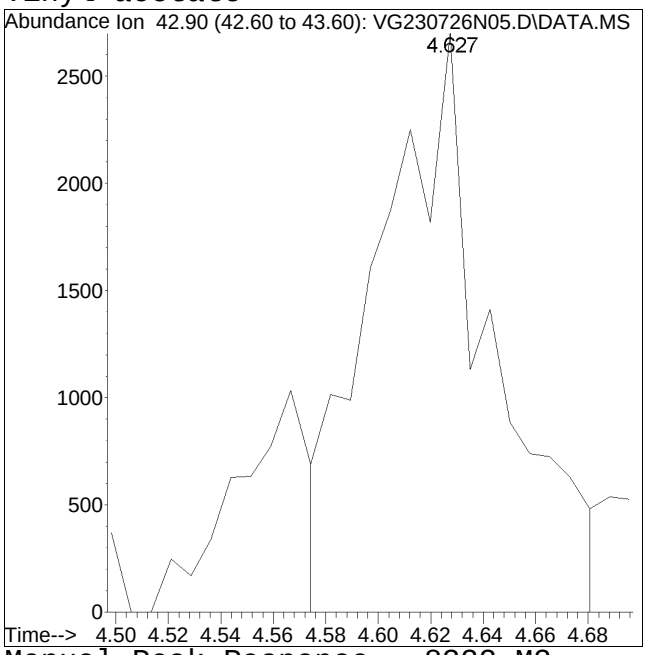
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N05.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 7:37 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/27/2023 11:39 am

Compound #27: Vinyl acetate



Original Peak Response = 2059



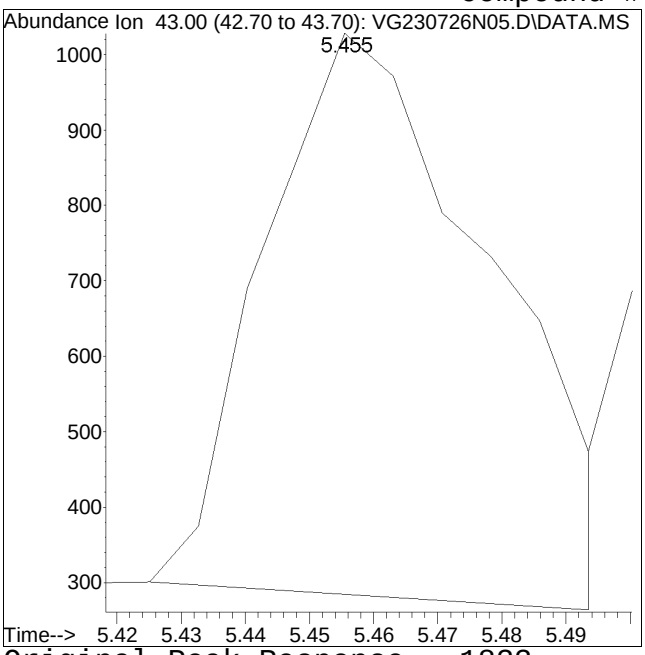
Manual Peak Response = 8322 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

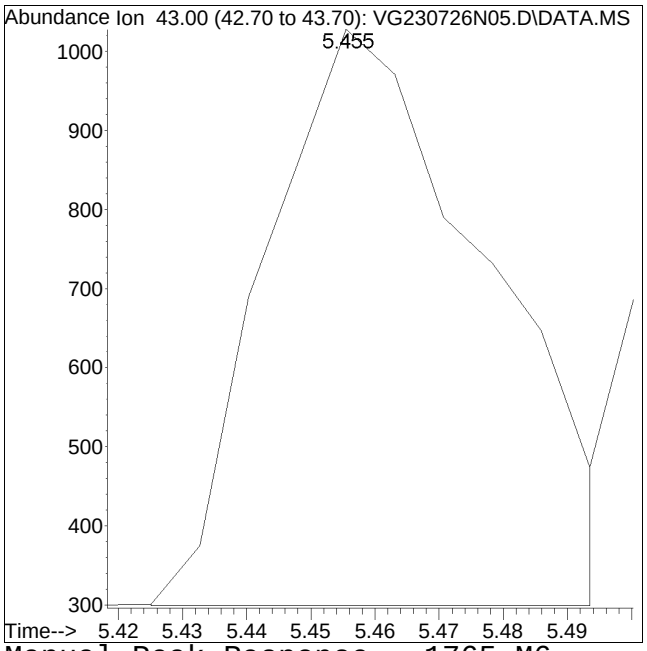
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N05.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 7:37 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/27/2023 11:39 am

Compound #39: 2-Butanone



Original Peak Response = 1833



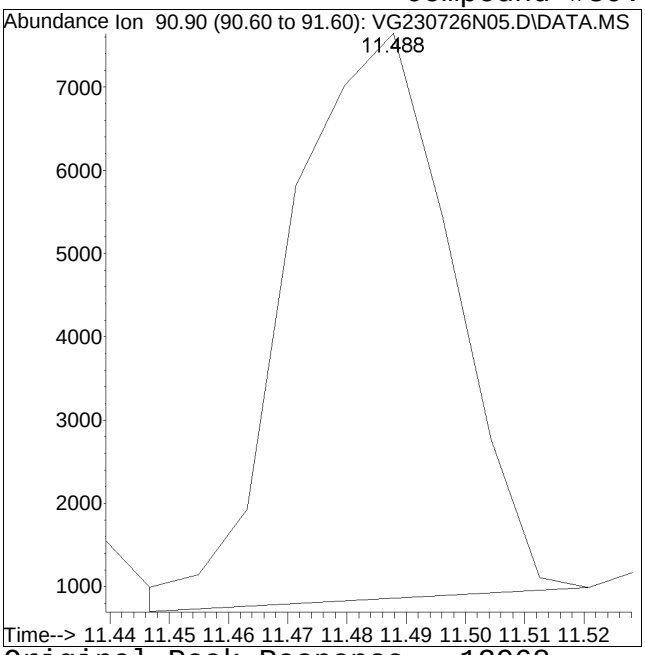
Manual Peak Response = 1765 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

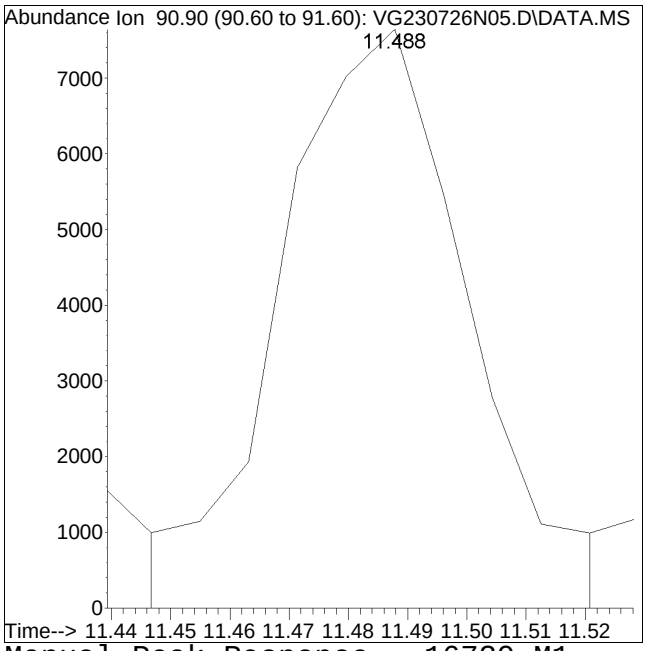
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N05.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 7:37 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/27/2023 11:39 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 12968



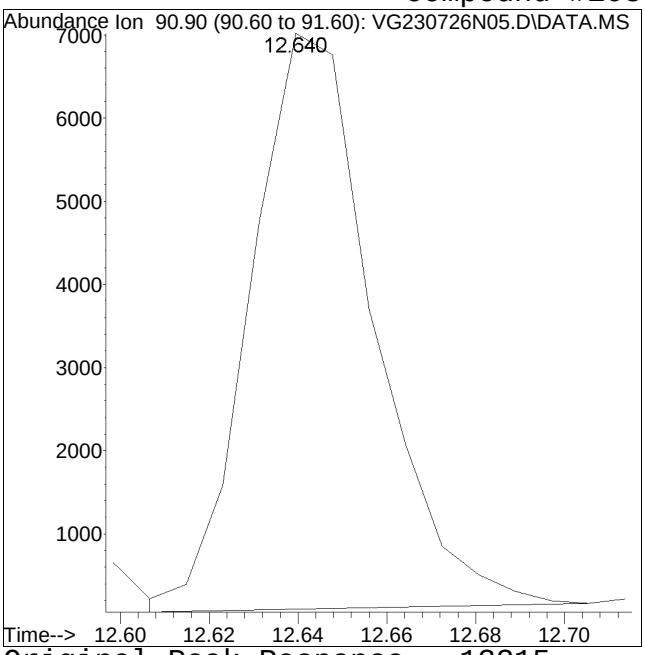
Manual Peak Response = 16730 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

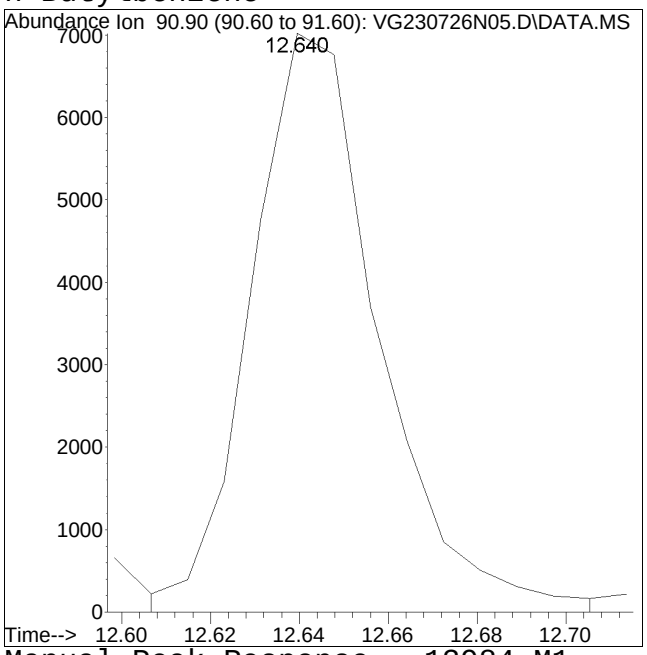
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N05.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 7:37 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/27/2023 11:39 am

Compound #103: n-Butylbenzene



Original Peak Response = 13315



Manual Peak Response = 13984 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N07.D
Acq On : 26 Jul 2023 8:24 pm
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG1808529,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 27 11:39:33 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	497526	10.000	ug/L	0.00
Standard Area 1 = 503562			Recovery = 98.80%			
59) Chlorobenzene-d5	9.686	117	419920	10.000	ug/L	0.00
Standard Area 1 = 431052			Recovery = 97.42%			
79) 1,4-Dichlorobenzene-d4	12.360	152	244863	10.000	ug/L	0.00
Standard Area 1 = 250732			Recovery = 97.66%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.327	113	127175	9.962	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.62%			
43) 1,2-Dichloroethane-d4	5.858	65	165076	10.153	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.53%			
60) Toluene-d8	7.829	98	530287	9.954	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.54%			
83) 4-Bromofluorobenzene	11.159	95	222157	10.006	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.695	85	29742	2.156	ug/L	97
3) Chloromethane	1.915	50	41348	2.068	ug/L	99
4) Vinyl chloride	1.969	62	30707	2.132	ug/L	98
5) Bromomethane	2.288	94	16960	2.321	ug/L	97
6) Chloroethane	2.394	64	15706	2.462	ug/L	89
7) Trichlorofluoromethane	2.538	101	31011	1.930	ug/L	99
8) Ethyl ether	2.850	74	11657	1.911	ug/L #	44
10) 1,1-Dichloroethene	3.047	96	21725	2.134	ug/L #	86
11) Carbon disulfide	3.085	76	64392	2.032	ug/L	98
12) Freon-113	3.085	101	22070	2.040	ug/L #	73
13) Iodomethane	3.199	142	24068	1.655	ug/L	95
14) Acrolein	3.389	56	5086	2.300	ug/L	96
15) Methylene chloride	3.617	84	24785	2.023	ug/L #	57
17) Acetone	3.670	43	11569	2.372	ug/L	94
18) trans-1,2-Dichloroethene	3.769	96	23119	2.117	ug/L	81
19) Methyl acetate	3.777	43	21027	2.060	ug/L #	85
20) Methyl tert-butyl ether	3.860	73	68174	1.946	ug/L #	81
21) tert-Butyl alcohol	3.951	59	14459	9.949	ug/L	98
22) Diisopropyl ether	4.217	45	107146	1.929	ug/L	91
23) 1,1-Dichloroethane	4.362	63	49864	2.098	ug/L	96
24) Halothane	4.407	117	16754	1.994	ug/L	94

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N07.D
Acq On : 26 Jul 2023 8:24 pm
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG1808529,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 27 11:39:33 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.422	53	8608	1.823	ug/L		90
26) Ethyl tert-butyl ether	4.567	59	89127	1.924	ug/L	#	80
27) Vinyl acetate	4.605	43	24843M6	1.687	ug/L		
28) cis-1,2-Dichloroethene	4.886	96	25915	2.050	ug/L		86
29) 2,2-Dichloropropane	4.985	77	31971	1.992	ug/L		91
30) Bromochloromethane	5.076	128	10844	2.112	ug/L	#	52
31) Cyclohexane	5.068	56	59567	2.110	ug/L	#	63
32) Chloroform	5.144	83	38286	1.907	ug/L	#	90
33) Ethyl acetate	5.258	43	27603	1.845	ug/L	#	96
34) Carbon tetrachloride	5.273	117	31130	1.962	ug/L		97
35) Tetrahydrofuran	5.304	42	9677M6	1.871	ug/L		
37) 1,1,1-Trichloroethane	5.342	97	37770	2.047	ug/L		94
39) 2-Butanone	5.448	43	10648M6	1.667	ug/L		
40) 1,1-Dichloropropene	5.471	75	32987	2.020	ug/L		98
41) Benzene	5.722	78	95368	2.035	ug/L	#	90
42) tert-Amyl methyl ether	5.820	73	68719	1.935	ug/L		92
44) 1,2-Dichloroethane	5.927	62	35236	2.012	ug/L		98
47) Methyl cyclohexane	6.299	83	41850	2.038	ug/L	#	54
48) Trichloroethene	6.314	95	28118	1.996	ug/L		95
50) Dibromomethane	6.770	93	13417	1.960	ug/L		95
51) 1,2-Dichloropropane	6.861	63	27244	2.003	ug/L		95
53) 2-Chloroethyl vinyl ether	7.557	63	17302	1.980	ug/L	#	85
54) Bromodichloromethane	6.937	83	31746	1.983	ug/L		99
57) 1,4-Dioxane	7.149	88	47945	390.890	ug/L	#	67
58) cis-1,3-Dichloropropene	7.636	75	38621	1.959	ug/L	#	82
61) Toluene	7.894	92	59441	2.041	ug/L		99
62) 4-Methyl-2-pentanone	8.331	58	9361	1.883	ug/L	#	69
63) Tetrachloroethene	8.338	166	26697	2.096	ug/L		99
65) trans-1,3-Dichloropropene	8.388	75	34992	1.956	ug/L		91
67) Ethyl methacrylate	8.567	69	28049	1.927	ug/L		97
68) 1,1,2-Trichloroethane	8.574	83	17766	2.080	ug/L		93
69) Chlorodibromomethane	8.782	129	22827	2.000	ug/L		95
70) 1,3-Dichloropropane	8.889	76	34228	1.958	ug/L		96
71) 1,2-Dibromoethane	9.061	107	19714	1.960	ug/L		97
72) 2-Hexanone	9.348	43	20472	1.950	ug/L		89
73) Chlorobenzene	9.711	112	62306	2.024	ug/L		88
74) Ethylbenzene	9.736	91	112767	2.031	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.793	131	23129	2.008	ug/L		97
76) p/m Xylene	9.925	106	87662	4.140	ug/L		94
77) o Xylene	10.460	106	84234	4.134	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N07.D
Acq On : 26 Jul 2023 8:24 pm
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG1808529,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 27 11:39:33 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.534	104	141119	4.013	ug/L		94
80) Bromoform	10.558	173	15882	1.934	ug/L		97
82) Isopropylbenzene	10.838	105	108846	2.042	ug/L		98
84) Bromobenzene	11.274	156	28420	2.076	ug/L		97
85) n-Propylbenzene	11.307	91	131355	2.069	ug/L		96
86) 1,4-Dichlorobutane	11.340	55	45506	1.949	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.406	83	21924	1.945	ug/L		97
88) 4-Ethyltoluene	11.439	105	107378	2.029	ug/L		97
89) 2-Chlorotoluene	11.480	91	79735M6	2.041	ug/L		
90) 1,3,5-Trimethylbenzene	11.529	105	94196	2.042	ug/L		96
91) 1,2,3-Trichloropropane	11.546	75	21050	1.923	ug/L		99
92) trans-1,4-Dichloro-2-b...	11.595	53	9209	1.946	ug/L	#	87
93) 4-Chlorotoluene	11.661	91	83184	2.045	ug/L		95
94) tert-Butylbenzene	11.866	119	75425	2.037	ug/L		93
97) 1,2,4-Trimethylbenzene	11.949	105	88215	1.993	ug/L		95
98) sec-Butylbenzene	12.056	105	111966	2.067	ug/L		99
99) p-Isopropyltoluene	12.204	119	91080	1.991	ug/L		97
100) 1,3-Dichlorobenzene	12.286	146	51125	1.995	ug/L		97
101) 1,4-Dichlorobenzene	12.376	146	51585	1.966	ug/L	#	92
102) p-Diethylbenzene	12.582	119	51195	1.925	ug/L		97
103) n-Butylbenzene	12.640	91	72023	1.943	ug/L		99
104) 1,2-Dichlorobenzene	12.796	146	50252	2.021	ug/L		97
105) 1,2,4,5-Tetramethylben...	13.372	119	59831	1.737	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.569	155	4210	1.889	ug/L		98
107) 1,3,5-Trichlorobenzene	13.602	180	31735	1.871	ug/L		95
108) Hexachlorobutadiene	14.162	225	13741	2.047	ug/L		98
109) 1,2,4-Trichlorobenzene	14.194	180	26196	1.846	ug/L		97
110) Naphthalene	14.491	128	43178	1.617	ug/L		100
111) 1,2,3-Trichlorobenzene	14.655	180	20996	1.812	ug/L		99

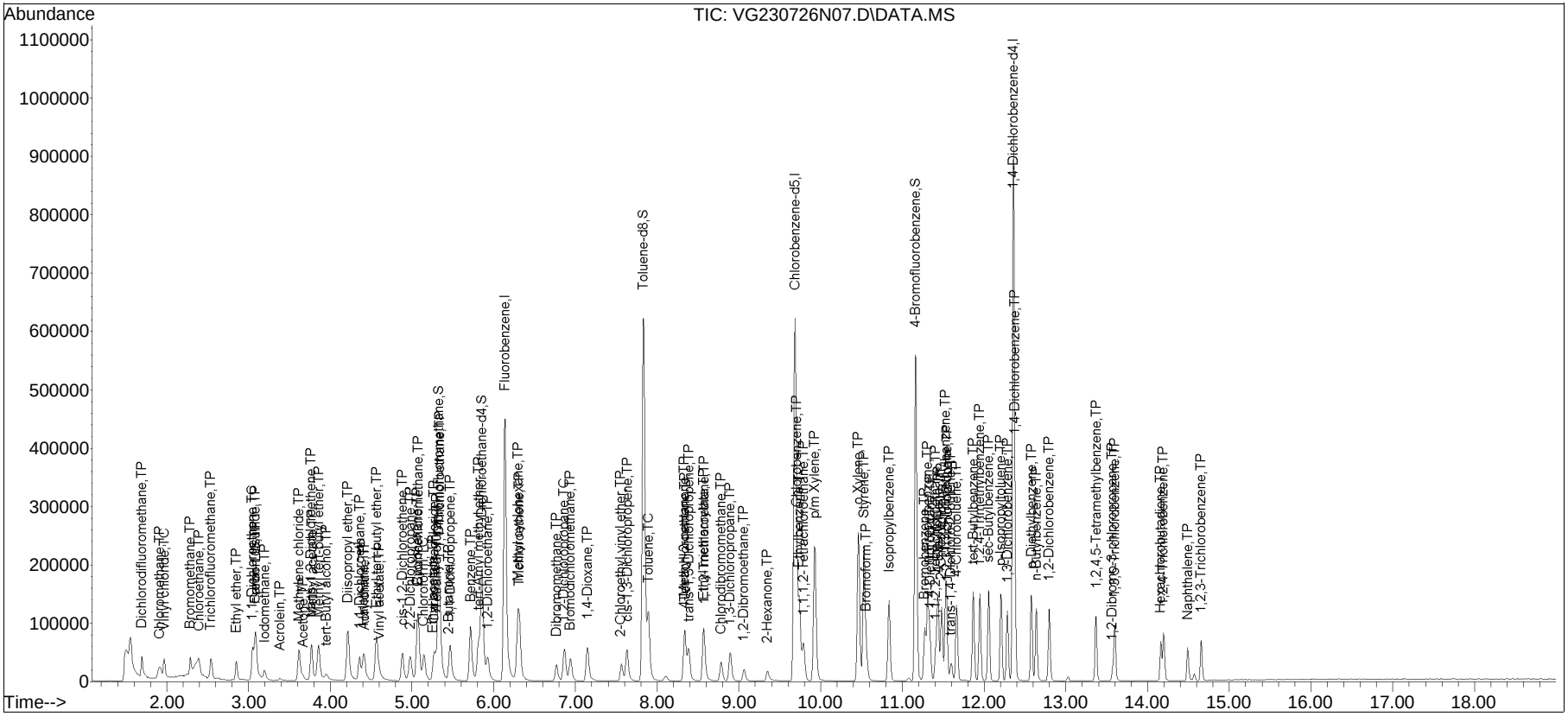
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N07.D
Acq On : 26 Jul 2023 8:24 pm
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG1808529,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 27 11:39:33 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

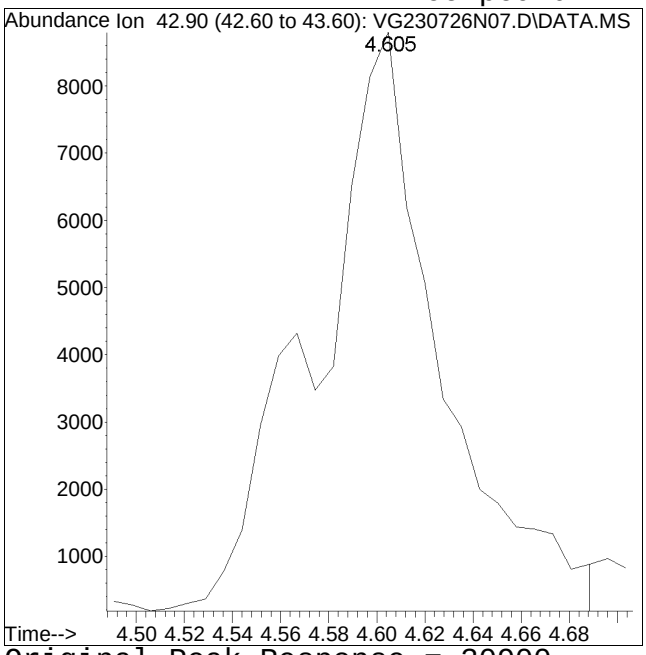
Sub List : 8260-Curve - Megamix plus DioxVG230726N09.D•



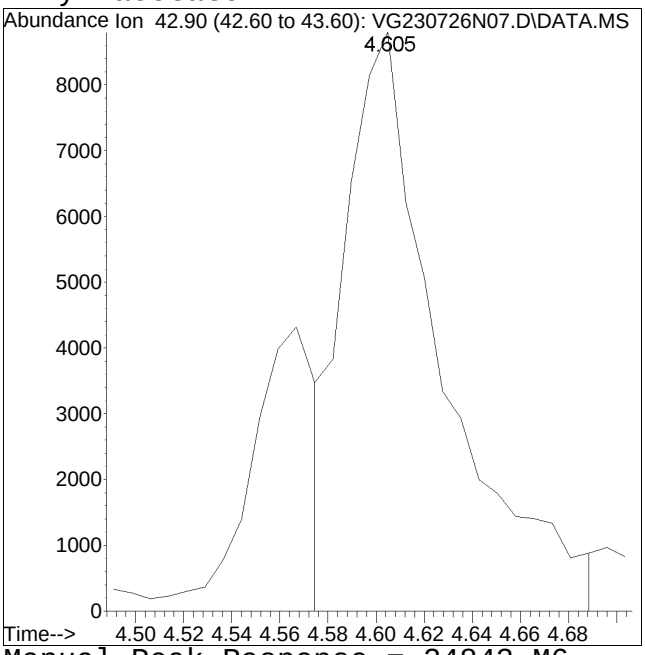
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N07.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 8:24 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/27/2023 11:39 am

Compound #27: Vinyl acetate



Original Peak Response = 30900



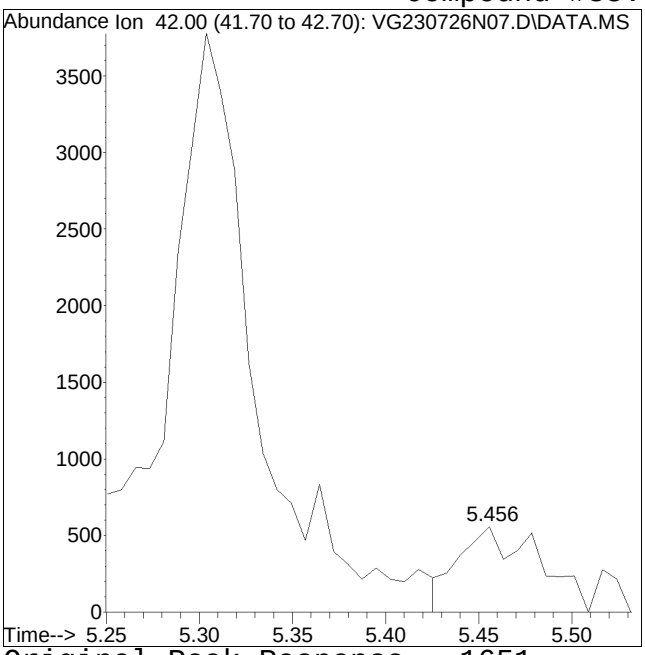
Manual Peak Response = 24843 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

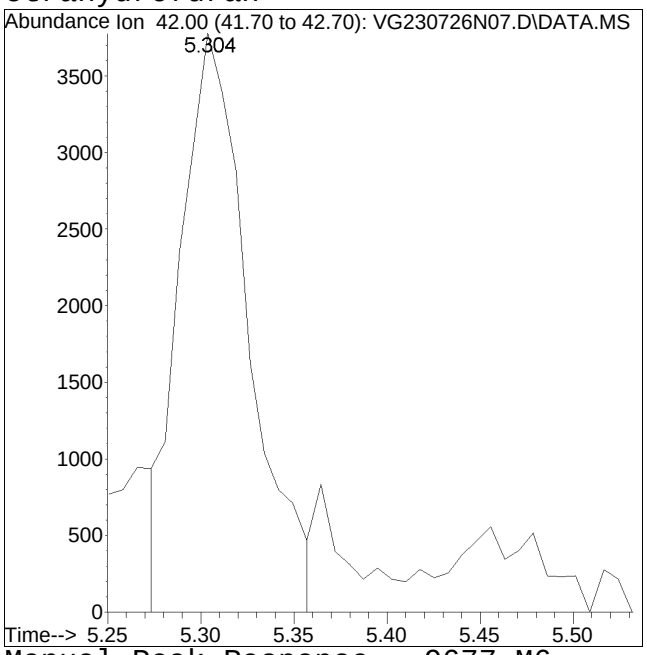
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N07.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 8:24 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/27/2023 11:39 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1651



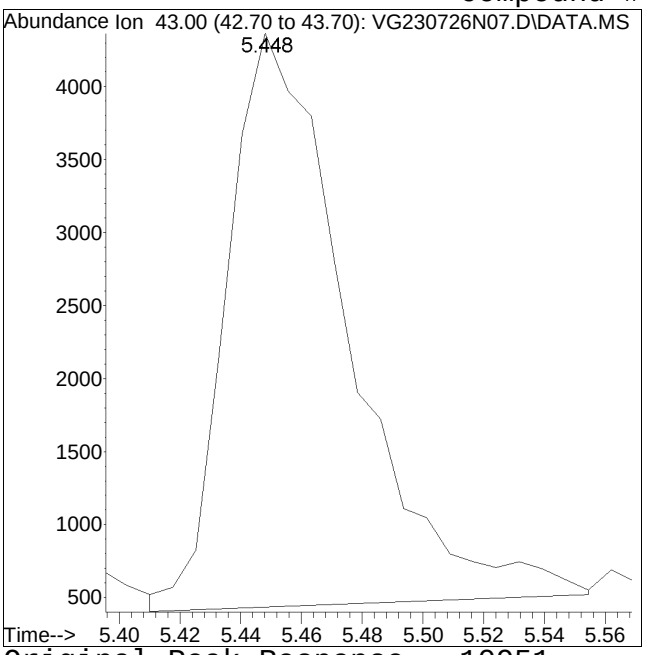
Manual Peak Response = 9677 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

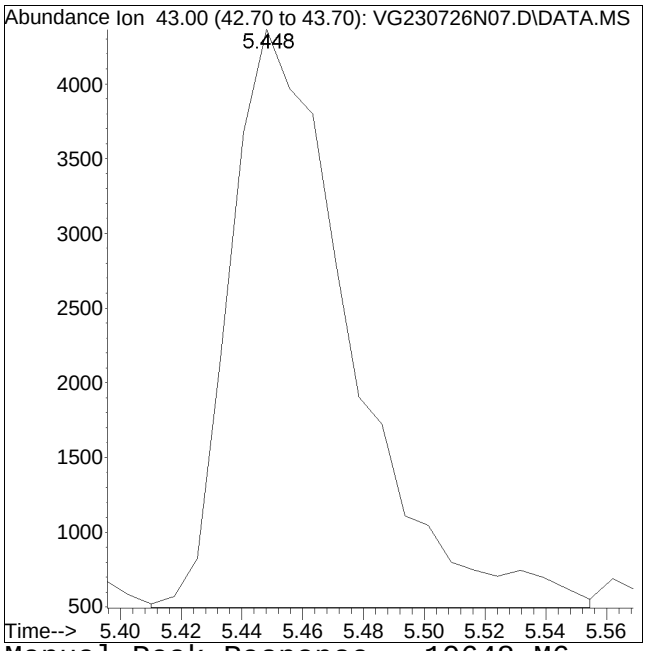
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N07.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 8:24 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/27/2023 11:39 am

Compound #39: 2-Butanone



Original Peak Response = 10951



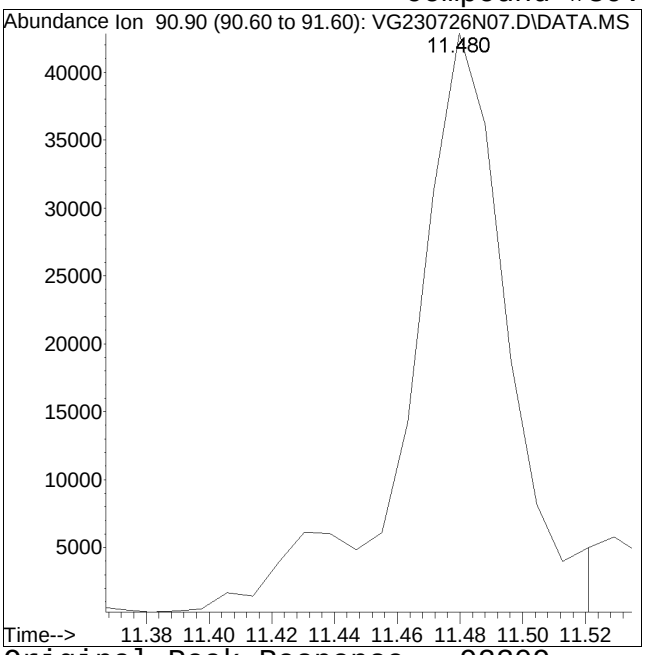
Manual Peak Response = 10648 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

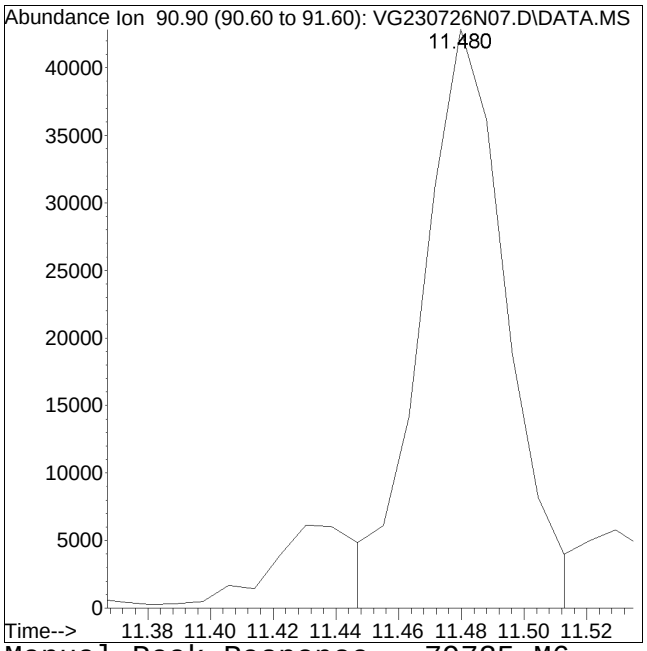
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N07.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 8:24 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/27/2023 11:39 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 92309



Manual Peak Response = 79735 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N09.D
Acq On : 26 Jul 2023 9:12 pm
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 27 11:39:42 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	503562	10.000	ug/L	0.00
Standard Area 1 = 503562			Recovery = 100.00%			
59) Chlorobenzene-d5	9.686	117	431052	10.000	ug/L	0.00
Standard Area 1 = 431052			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.360	152	250732	10.000	ug/L	0.00
Standard Area 1 = 250732			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.327	113	131434	10.172	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.72%			
43) 1,2-Dichloroethane-d4	5.858	65	172634	10.491	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.91%			
60) Toluene-d8	7.829	98	540645	9.886	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.86%			
83) 4-Bromofluorobenzene	11.159	95	222945	9.807	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.07%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.695	85	150974	10.811	ug/L #	96
3) Chloromethane	1.915	50	209421	10.349	ug/L	99
4) Vinyl chloride	1.969	62	157330	10.791	ug/L	98
5) Bromomethane	2.288	94	69818	9.439	ug/L	97
6) Chloroethane	2.394	64	76714	11.879	ug/L	87
7) Trichlorofluoromethane	2.546	101	178424	10.971	ug/L	91
8) Ethyl ether	2.850	74	62717	10.157	ug/L #	63
10) 1,1-Dichloroethene	3.047	96	110329	10.706	ug/L #	73
11) Carbon disulfide	3.085	76	335738	10.469	ug/L	100
12) Freon-113	3.085	101	120053	10.966	ug/L #	78
13) Iodomethane	3.199	142	149693	10.169	ug/L	97
14) Acrolein	3.389	56	20856	9.320	ug/L	96
15) Methylene chloride	3.617	84	117790	9.500	ug/L #	59
17) Acetone	3.663	43	43954	8.903	ug/L	94
18) trans-1,2-Dichloroethene	3.769	96	114384	10.347	ug/L	78
19) Methyl acetate	3.777	43	101519	9.827	ug/L #	85
20) Methyl tert-butyl ether	3.853	73	357355	10.079	ug/L #	83
21) tert-Butyl alcohol	3.951	59	71997	48.945	ug/L	95
22) Diisopropyl ether	4.217	45	574368	10.215	ug/L #	90
23) 1,1-Dichloroethane	4.362	63	247798	10.299	ug/L	98
24) Halothane	4.407	117	90325	10.620	ug/L	99

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N09.D
Acq On : 26 Jul 2023 9:12 pm
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 27 11:39:42 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.415	53	47189	9.873	ug/L		95
26) Ethyl tert-butyl ether	4.567	59	474584	10.121	ug/L	#	77
27) Vinyl acetate	4.590	43	121220M6	8.132	ug/L		
28) cis-1,2-Dichloroethene	4.878	96	127659	9.978	ug/L	#	81
29) 2,2-Dichloropropane	4.977	77	165194	10.168	ug/L		91
30) Bromochloromethane	5.076	128	53609	10.318	ug/L	#	50
31) Cyclohexane	5.068	56	308211	10.787	ug/L		67
32) Chloroform	5.144	83	211652	10.416	ug/L		96
33) Ethyl acetate	5.251	43	147086	9.714	ug/L	#	94
34) Carbon tetrachloride	5.273	117	168683	10.504	ug/L		99
35) Tetrahydrofuran	5.296	42	47892M6	9.149	ug/L		
37) 1,1,1-Trichloroethane	5.342	97	194233	10.402	ug/L		94
39) 2-Butanone	5.440	43	68633	10.614	ug/L	#	63
40) 1,1-Dichloropropene	5.463	75	173905	10.521	ug/L		97
41) Benzene	5.714	78	485056	10.224	ug/L	#	89
42) tert-Amyl methyl ether	5.813	73	367348	10.219	ug/L		95
44) 1,2-Dichloroethane	5.927	62	179781	10.145	ug/L		98
47) Methyl cyclohexane	6.291	83	228831	11.011	ug/L	#	61
48) Trichloroethene	6.314	95	148539	10.416	ug/L		96
50) Dibromomethane	6.762	93	68896	9.942	ug/L		97
51) 1,2-Dichloropropane	6.869	63	141155	10.252	ug/L		97
53) 2-Chloroethyl vinyl ether	7.557	63	90157	10.193	ug/L	#	85
54) Bromodichloromethane	6.937	83	164067	10.124	ug/L		99
57) 1,4-Dioxane	7.149	88	61276	493.588	ug/L	#	67
58) cis-1,3-Dichloropropene	7.629	75	198267	9.939	ug/L	#	85
61) Toluene	7.894	92	307003	10.272	ug/L		100
62) 4-Methyl-2-pentanone	8.331	58	50304	9.860	ug/L	#	74
63) Tetrachloroethene	8.338	166	138042	10.560	ug/L		98
65) trans-1,3-Dichloropropene	8.381	75	180029	9.802	ug/L		93
67) Ethyl methacrylate	8.560	69	149742	10.022	ug/L		94
68) 1,1,2-Trichloroethane	8.567	83	86940	9.916	ug/L		97
69) Chlorodibromomethane	8.782	129	116966	9.985	ug/L		100
70) 1,3-Dichloropropane	8.889	76	181876	10.133	ug/L		98
71) 1,2-Dibromoethane	9.061	107	103289	10.003	ug/L		99
72) 2-Hexanone	9.341	43	104899	9.735	ug/L		91
73) Chlorobenzene	9.703	112	321359	10.169	ug/L		93
74) Ethylbenzene	9.736	91	584532	10.258	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.793	131	119837	10.136	ug/L		99
76) p/m Xylene	9.925	106	452296	20.807	ug/L		93
77) o Xylene	10.460	106	432276	20.669	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N09.D
Acq On : 26 Jul 2023 9:12 pm
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 27 11:39:42 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.526	104	740320	20.509	ug/L		93
80) Bromoform	10.558	173	81075	9.644	ug/L		97
82) Isopropylbenzene	10.838	105	567651	10.401	ug/L		98
84) Bromobenzene	11.274	156	140291	10.007	ug/L		99
85) n-Propylbenzene	11.307	91	675773	10.395	ug/L		97
86) 1,4-Dichlorobutane	11.332	55	238510	9.974	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.406	83	111556	9.666	ug/L		98
88) 4-Ethyltoluene	11.430	105	562107	10.372	ug/L		98
89) 2-Chlorotoluene	11.480	91	407702M1	10.190	ug/L		
90) 1,3,5-Trimethylbenzene	11.529	105	488012	10.331	ug/L		97
91) 1,2,3-Trichloropropane	11.546	75	109908M4	9.806	ug/L		
92) trans-1,4-Dichloro-2-b...	11.595	53	46822	9.662	ug/L	#	86
93) 4-Chlorotoluene	11.661	91	417631	10.026	ug/L		97
94) tert-Butylbenzene	11.866	119	394820	10.415	ug/L		94
97) 1,2,4-Trimethylbenzene	11.949	105	458027	10.107	ug/L		97
98) sec-Butylbenzene	12.056	105	586138	10.569	ug/L		100
99) p-Isopropyltoluene	12.204	119	486599	10.389	ug/L		97
100) 1,3-Dichlorobenzene	12.286	146	265211	10.105	ug/L		98
101) 1,4-Dichlorobenzene	12.376	146	274724	10.224	ug/L		98
102) p-Diethylbenzene	12.574	119	278566	10.230	ug/L		97
103) n-Butylbenzene	12.631	91	386436	10.181	ug/L		98
104) 1,2-Dichlorobenzene	12.796	146	256246	10.066	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.364	119	336262	9.536	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.569	155	21489	9.416	ug/L		95
107) 1,3,5-Trichlorobenzene	13.594	180	173367	9.983	ug/L		99
108) Hexachlorobutadiene	14.162	225	70448	10.249	ug/L		100
109) 1,2,4-Trichlorobenzene	14.194	180	141572	9.741	ug/L		99
110) Naphthalene	14.491	128	254876	9.321	ug/L		100
111) 1,2,3-Trichlorobenzene	14.655	180	116190	9.793	ug/L		99

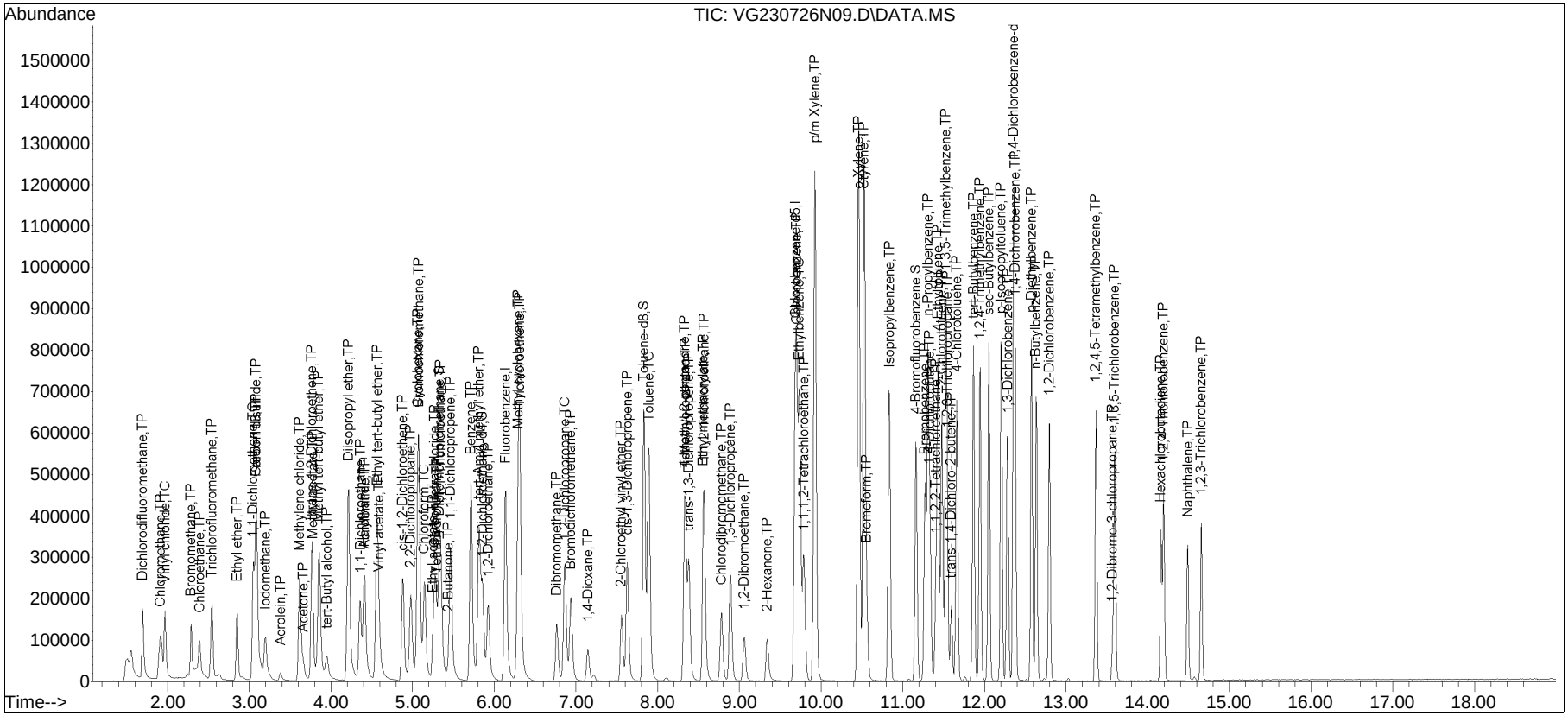
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N09.D
Acq On : 26 Jul 2023 9:12 pm
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 27 11:39:42 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

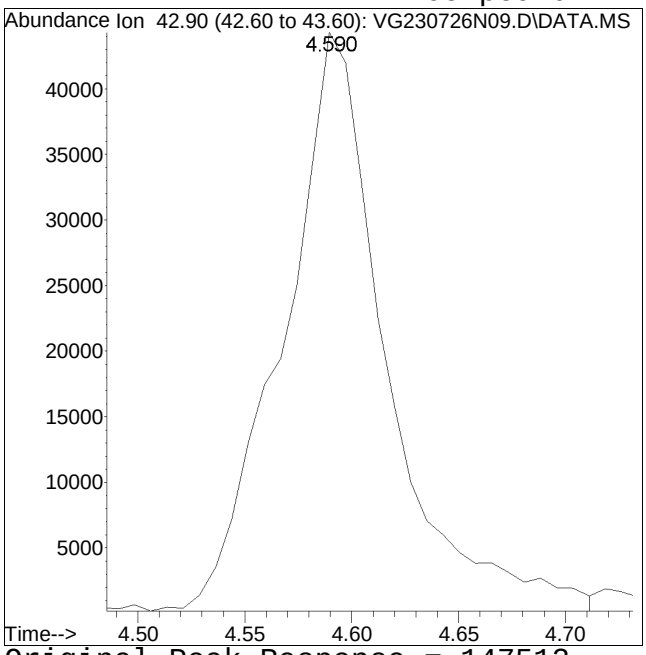
Sub List : 8260-Curve - Megamix plus DioxVG230726N09.D•



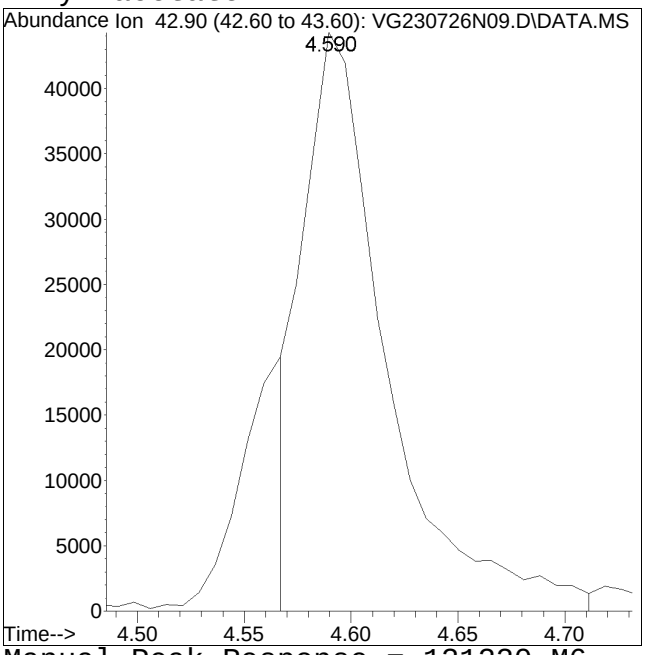
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N09.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 9:12 pm Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 7/27/2023 11:39 am

Compound #27: Vinyl acetate



Original Peak Response = 147512



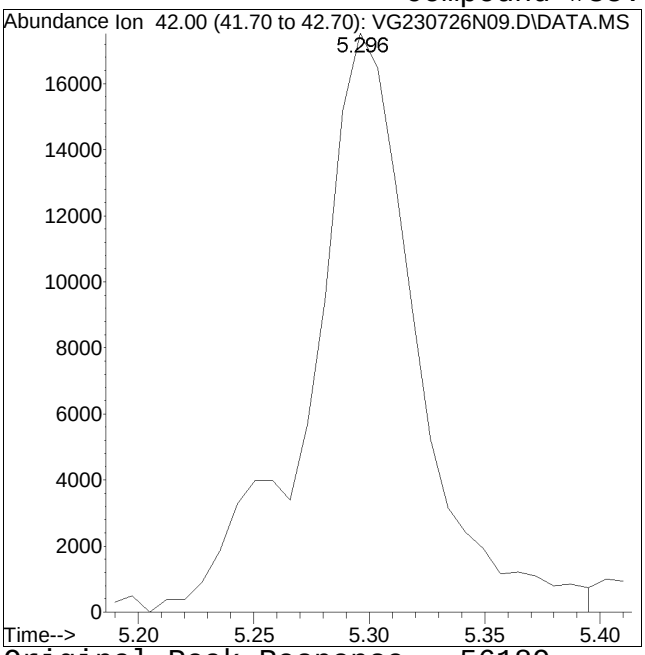
Manual Peak Response = 121220 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

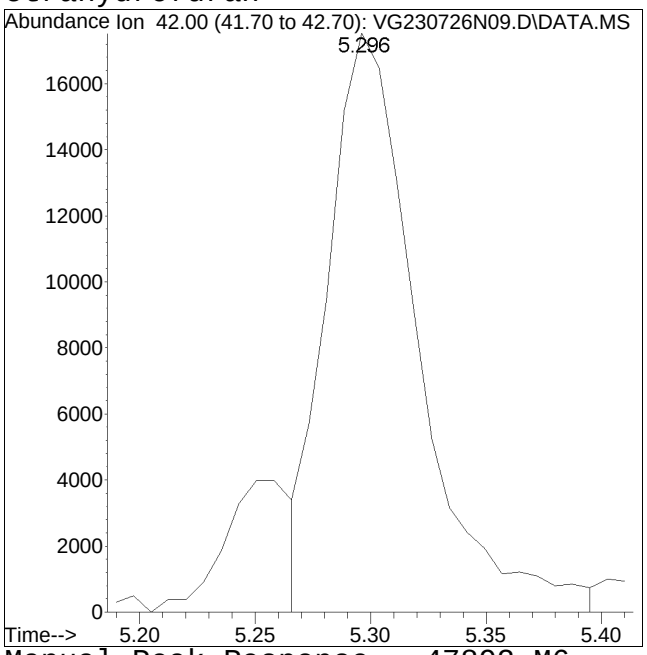
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N09.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 9:12 pm Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 7/27/2023 11:39 am

Compound #35: Tetrahydrofuran



Original Peak Response = 56189



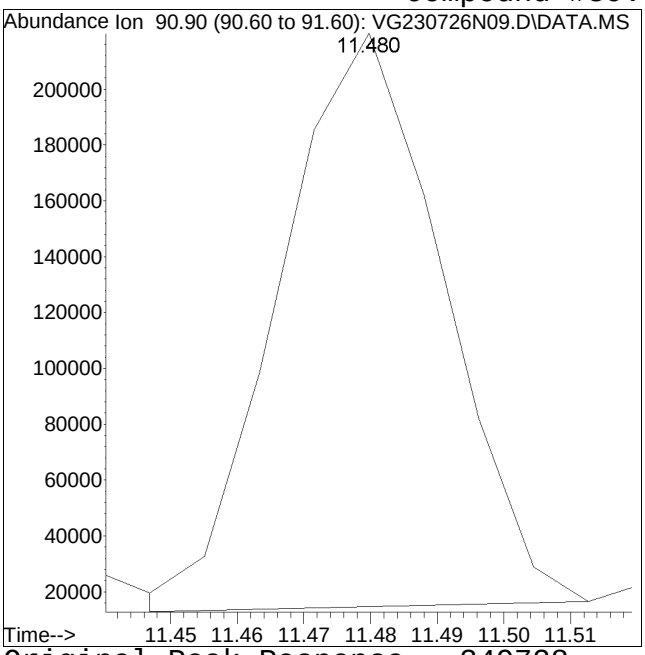
Manual Peak Response = 47892 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

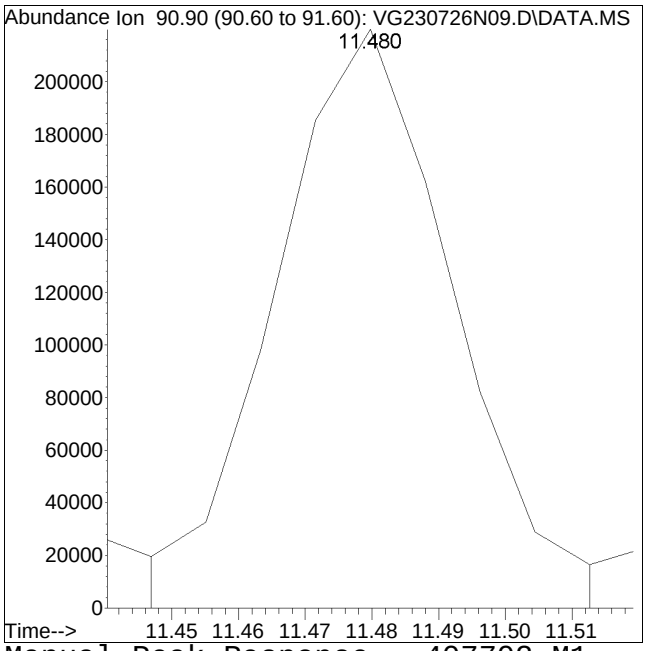
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N09.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 9:12 pm Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 7/27/2023 11:39 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 349728



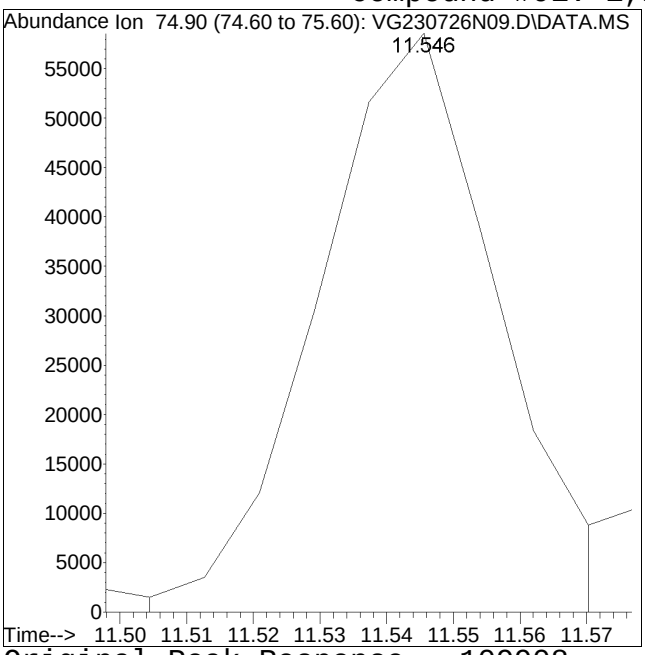
Manual Peak Response = 407702 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

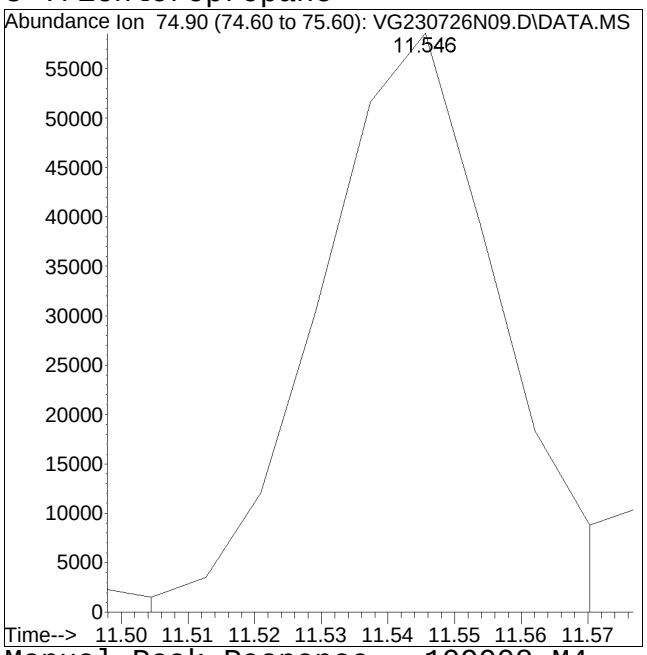
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N09.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 9:12 pm Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 7/27/2023 11:39 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 109908



Manual Peak Response = 109908 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N10.D
Acq On : 26 Jul 2023 9:36 pm
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG1808529,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 27 11:39:51 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	508636	10.000	ug/L	0.00
Standard Area 1 = 503562			Recovery = 101.01%			
59) Chlorobenzene-d5	9.686	117	436449	10.000	ug/L	0.00
Standard Area 1 = 431052			Recovery = 101.25%			
79) 1,4-Dichlorobenzene-d4	12.360	152	254130	10.000	ug/L	0.00
Standard Area 1 = 250732			Recovery = 101.36%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	130822	10.024	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.24%			
43) 1,2-Dichloroethane-d4	5.858	65	165524	9.959	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.59%			
60) Toluene-d8	7.829	98	555217	10.027	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.27%			
83) 4-Bromofluorobenzene	11.159	95	227673	9.881	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.81%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.695	85	435480	30.873	ug/L	97
3) Chloromethane	1.915	50	604137	29.558	ug/L	99
4) Vinyl chloride	1.968	62	452599	30.734	ug/L	100
5) Bromomethane	2.287	94	196761	26.336	ug/L	98
6) Chloroethane	2.386	64	193053	29.596	ug/L	94
7) Trichlorofluoromethane	2.546	101	512704	31.211	ug/L	99
8) Ethyl ether	2.850	74	185770	29.784	ug/L #	59
10) 1,1-Dichloroethene	3.047	96	311827	29.957	ug/L #	70
11) Carbon disulfide	3.085	76	965488	29.806	ug/L	100
12) Freon-113	3.085	101	344201	31.126	ug/L #	77
13) Iodomethane	3.199	142	483806	32.538	ug/L	98
14) Acrolein	3.381	56	65328	28.903	ug/L	95
15) Methylene chloride	3.617	84	340584	27.195	ug/L #	60
17) Acetone	3.655	43	126415	25.351	ug/L	100
18) trans-1,2-Dichloroethene	3.769	96	331977	29.732	ug/L	76
19) Methyl acetate	3.769	43	319280	30.598	ug/L #	84
20) Methyl tert-butyl ether	3.852	73	1074939	30.015	ug/L #	84
21) tert-Butyl alcohol	3.951	59	220487	148.397	ug/L	96
22) Diisopropyl ether	4.217	45	1706850	30.054	ug/L #	90
23) 1,1-Dichloroethane	4.354	63	731753	30.109	ug/L	97
24) Halothane	4.407	117	266678	31.043	ug/L	99

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N10.D
Acq On : 26 Jul 2023 9:36 pm
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG1808529,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 27 11:39:51 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.407	53	145900	30.220	ug/L		93
26) Ethyl tert-butyl ether	4.567	59	1423447	30.054	ug/L	#	81
27) Vinyl acetate	4.589	43	455134M6	30.228	ug/L		
28) cis-1,2-Dichloroethene	4.878	96	372488	28.824	ug/L	#	80
29) 2,2-Dichloropropane	4.977	77	513935	31.318	ug/L		93
30) Bromochloromethane	5.076	128	154710	29.479	ug/L	#	54
31) Cyclohexane	5.068	56	888041	30.771	ug/L		68
32) Chloroform	5.144	83	611806	29.809	ug/L		96
33) Ethyl acetate	5.250	43	456065	29.818	ug/L	#	95
34) Carbon tetrachloride	5.281	117	483597	29.813	ug/L		97
35) Tetrahydrofuran	5.296	42	144539M6	27.336	ug/L		
37) 1,1,1-Trichloroethane	5.341	97	568726	30.154	ug/L		94
39) 2-Butanone	5.440	43	217835	33.352	ug/L	#	61
40) 1,1-Dichloropropene	5.463	75	512691	30.709	ug/L		97
41) Benzene	5.714	78	1437940	30.006	ug/L	#	89
42) tert-Amyl methyl ether	5.813	73	1082439	29.811	ug/L		94
44) 1,2-Dichloroethane	5.926	62	532867	29.768	ug/L		99
47) Methyl cyclohexane	6.299	83	655068	31.205	ug/L	#	61
48) Trichloroethene	6.314	95	422567	29.336	ug/L		94
50) Dibromomethane	6.762	93	206264	29.469	ug/L		98
51) 1,2-Dichloropropane	6.861	63	412235	29.643	ug/L		96
53) 2-Chloroethyl vinyl ether	7.557	63	265547	29.722	ug/L	#	82
54) Bromodichloromethane	6.937	83	477155	29.150	ug/L		99
57) 1,4-Dioxane	7.141	88	74261	592.217	ug/L	#	71
58) cis-1,3-Dichloropropene	7.628	75	599973	29.775	ug/L	#	87
61) Toluene	7.886	92	893932	29.539	ug/L		100
62) 4-Methyl-2-pentanone	8.323	58	156244	30.245	ug/L	#	79
63) Tetrachloroethene	8.338	166	400202	30.237	ug/L		100
65) trans-1,3-Dichloropropene	8.381	75	554073	29.794	ug/L		94
67) Ethyl methacrylate	8.560	69	449656	29.722	ug/L		94
68) 1,1,2-Trichloroethane	8.567	83	258364	29.105	ug/L		97
69) Chlorodibromomethane	8.782	129	352660	29.732	ug/L		100
70) 1,3-Dichloropropane	8.889	76	534315	29.402	ug/L		100
71) 1,2-Dibromoethane	9.061	107	309744	29.625	ug/L		99
72) 2-Hexanone	9.333	43	325814	29.862	ug/L		91
73) Chlorobenzene	9.703	112	938980	29.346	ug/L		93
74) Ethylbenzene	9.736	91	1708209	29.606	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.785	131	353604	29.538	ug/L		98
76) p/m Xylene	9.925	106	1319153	59.935	ug/L		94
77) o Xylene	10.459	106	1263662	59.674	ug/L		91

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N10.D
Acq On : 26 Jul 2023 9:36 pm
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG1808529,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 27 11:39:51 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.525	104	2155765	58.983	ug/L		94
80) Bromoform	10.558	173	252877	29.678	ug/L		100
82) Isopropylbenzene	10.830	105	1654631	29.912	ug/L		98
84) Bromobenzene	11.274	156	417275	29.365	ug/L		99
85) n-Propylbenzene	11.307	91	1967165	29.854	ug/L		97
86) 1,4-Dichlorobutane	11.331	55	697969	28.799	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.406	83	343499	29.364	ug/L		99
88) 4-Ethyltoluene	11.430	105	1654953	30.128	ug/L		97
89) 2-Chlorotoluene	11.480	91	1193052M1	29.420	ug/L		
90) 1,3,5-Trimethylbenzene	11.529	105	1406409	29.375	ug/L		97
91) 1,2,3-Trichloropropane	11.545	75	327409	28.822	ug/L		96
92) trans-1,4-Dichloro-2-b...	11.595	53	145459	29.615	ug/L	#	87
93) 4-Chlorotoluene	11.661	91	1239289	29.355	ug/L		94
94) tert-Butylbenzene	11.866	119	1155118	30.064	ug/L		95
97) 1,2,4-Trimethylbenzene	11.948	105	1356679	29.538	ug/L		96
98) sec-Butylbenzene	12.055	105	1692367	30.108	ug/L		99
99) p-Isopropyltoluene	12.203	119	1426770	30.054	ug/L		98
100) 1,3-Dichlorobenzene	12.278	146	787990	29.623	ug/L		98
101) 1,4-Dichlorobenzene	12.376	146	803238	29.493	ug/L		99
102) p-Diethylbenzene	12.574	119	826360	29.941	ug/L		97
103) n-Butylbenzene	12.631	91	1160575	30.167	ug/L		99
104) 1,2-Dichlorobenzene	12.796	146	750368	29.082	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.363	119	1057353	29.586	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.569	155	66201	28.619	ug/L		95
107) 1,3,5-Trichlorobenzene	13.594	180	522354	29.676	ug/L		97
108) Hexachlorobutadiene	14.161	225	210125	30.160	ug/L		99
109) 1,2,4-Trichlorobenzene	14.194	180	441030	29.939	ug/L		99
110) Naphthalene	14.490	128	804053	29.010	ug/L		100
111) 1,2,3-Trichlorobenzene	14.655	180	361047	30.022	ug/L		99

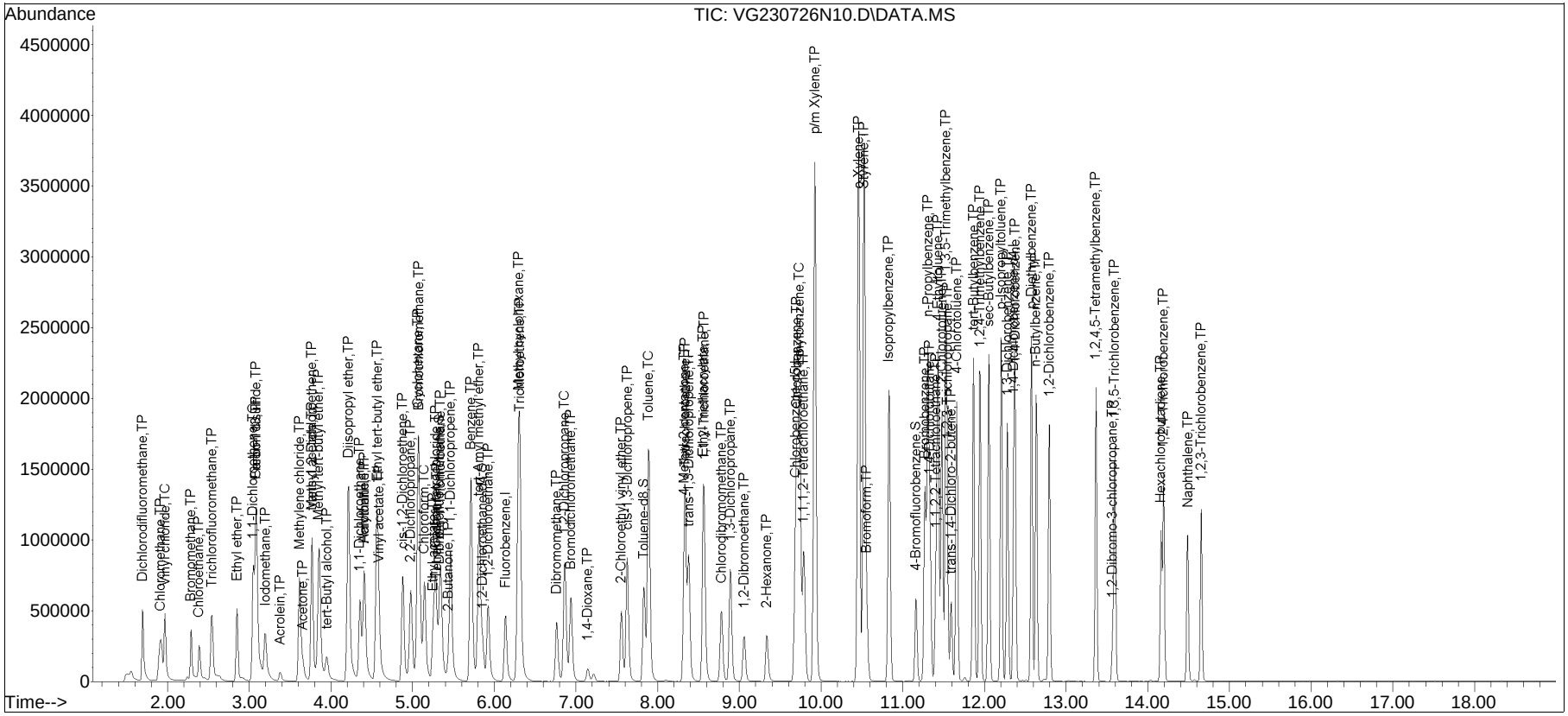
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N10.D
Acq On : 26 Jul 2023 9:36 pm
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG1808529,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 27 11:39:51 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

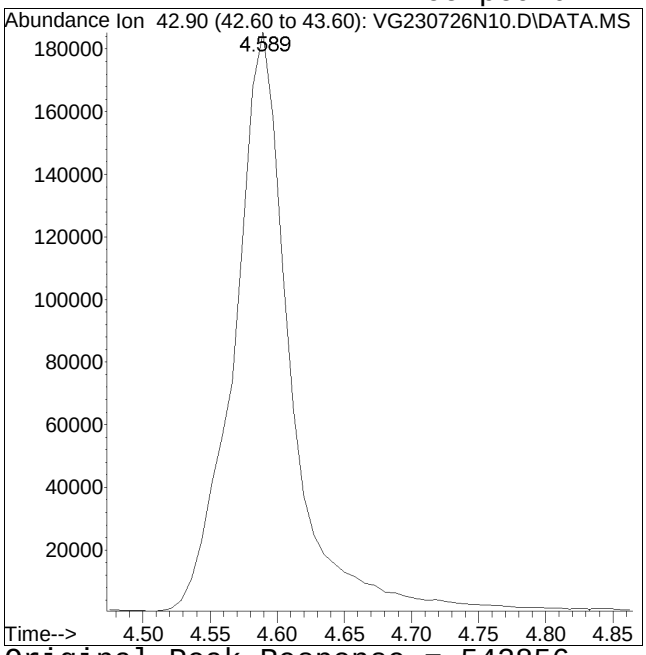
Sub List : 8260-Curve - Megamix plus DioxVG230726N09.D•



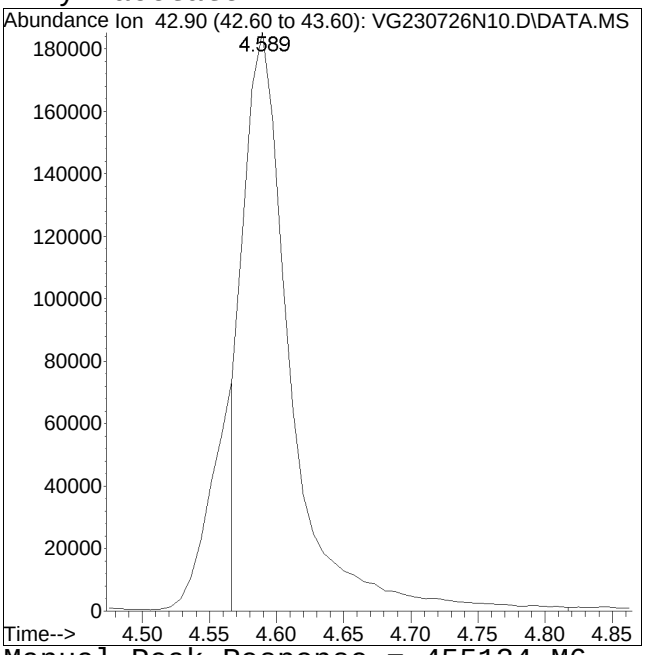
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N10.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 9:36 pm Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 7/27/2023 11:39 am

Compound #27: Vinyl acetate



Original Peak Response = 542856



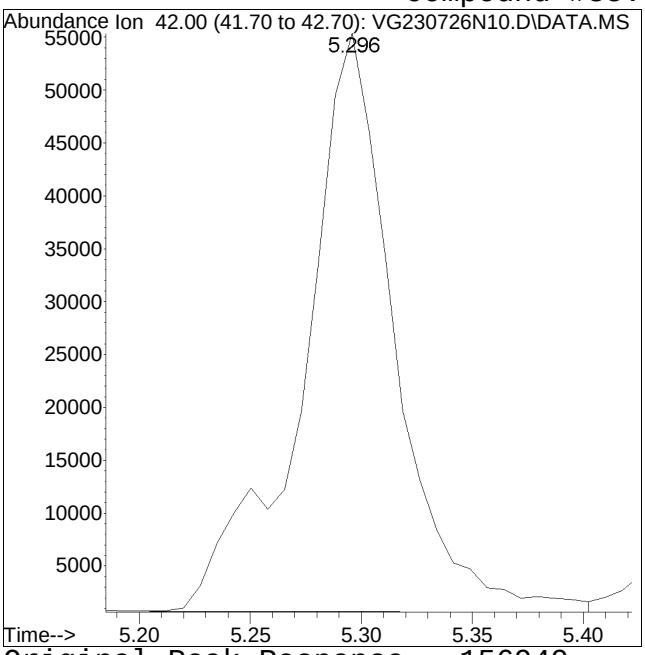
Manual Peak Response = 455134 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

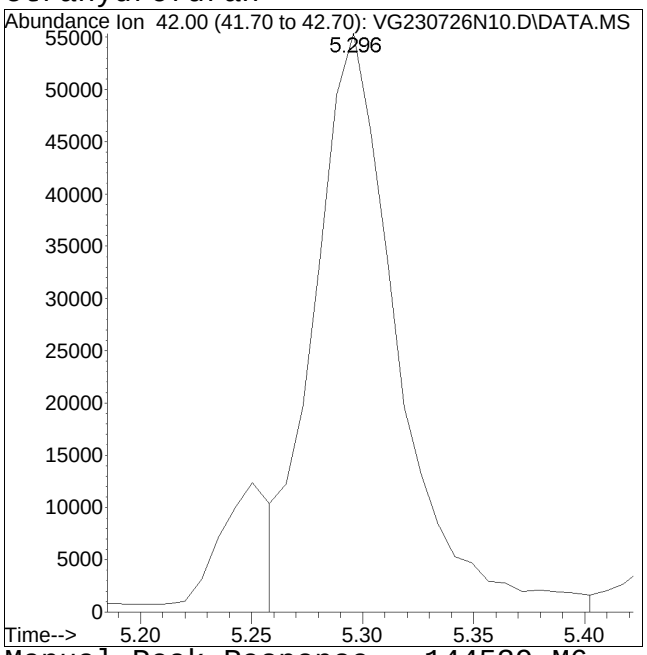
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N10.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 9:36 pm Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 7/27/2023 11:39 am

Compound #35: Tetrahydrofuran



Original Peak Response = 156949



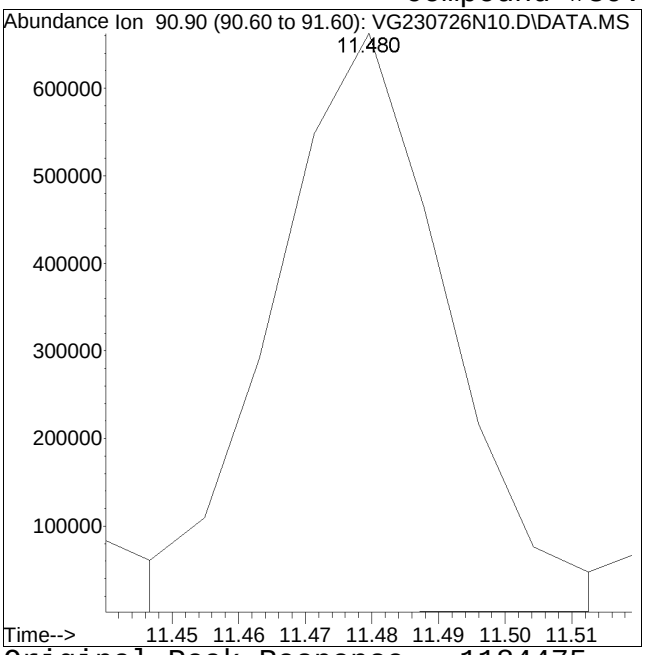
Manual Peak Response = 144539 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

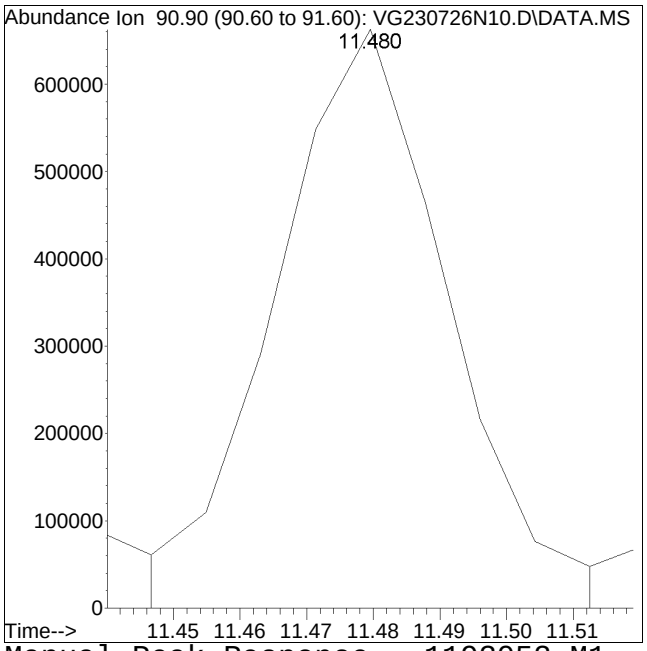
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N10.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 9:36 pm Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 7/27/2023 11:39 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 1184475



Manual Peak Response = 1193052 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N11.D
Acq On : 26 Jul 2023 10:00 pm
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG1808529,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 27 11:40:00 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	497581	10.000	ug/L	0.00
Standard Area 1 = 503562			Recovery =	98.81%		
59) Chlorobenzene-d5	9.686	117	424617	10.000	ug/L	0.00
Standard Area 1 = 431052			Recovery =	98.51%		
79) 1,4-Dichlorobenzene-d4	12.360	152	248193	10.000	ug/L	0.00
Standard Area 1 = 250732			Recovery =	98.99%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	129089	10.111	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.11%		
43) 1,2-Dichloroethane-d4	5.858	65	163059	10.028	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.28%		
60) Toluene-d8	7.829	98	541764	10.056	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.56%		
83) 4-Bromofluorobenzene	11.159	95	219477	9.753	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.53%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.695	85	1156351	83.800	ug/L	97
3) Chloromethane	1.915	50	1620072	81.023	ug/L	99
4) Vinyl chloride	1.968	62	1205997	83.713	ug/L	100
5) Bromomethane	2.287	94	540136	73.901	ug/L	99
6) Chloroethane	2.386	64	457273	71.660	ug/L	93
7) Trichlorofluoromethane	2.546	101	1387310	86.330	ug/L	99
8) Ethyl ether	2.850	74	490162	80.332	ug/L #	57
10) 1,1-Dichloroethene	3.047	96	843620	82.848	ug/L #	70
11) Carbon disulfide	3.085	76	2643575	83.423	ug/L	99
12) Freon-113	3.085	101	918146	84.872	ug/L #	75
13) Iodomethane	3.192	142	1313415	90.297	ug/L	97
14) Acrolein	3.374	56	176587	79.864	ug/L	99
15) Methylene chloride	3.617	84	912608	74.489	ug/L #	60
17) Acetone	3.655	43	348700	71.482	ug/L	100
18) trans-1,2-Dichloroethene	3.769	96	887534	81.253	ug/L	76
19) Methyl acetate	3.769	43	857461	83.999	ug/L #	84
20) Methyl tert-butyl ether	3.853	73	2899249	82.752	ug/L #	84
21) tert-Butyl alcohol	3.951	59	603491	415.199	ug/L	97
22) Diisopropyl ether	4.217	45	4636724	83.456	ug/L #	90
23) 1,1-Dichloroethane	4.354	63	1961139	82.487	ug/L	97
24) Halothane	4.407	117	716780	85.292	ug/L	98

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N11.D
Acq On : 26 Jul 2023 10:00 pm
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG1808529,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 27 11:40:00 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.407	53	399141	84.511	ug/L		94
26) Ethyl tert-butyl ether	4.567	59	3888028	83.913	ug/L	#	81
27) Vinyl acetate	4.589	43	1279968M6	86.897	ug/L		
28) cis-1,2-Dichloroethene	4.878	96	1013661	80.183	ug/L	#	82
29) 2,2-Dichloropropane	4.977	77	1348236	83.984	ug/L		93
30) Bromochloromethane	5.076	128	401972	78.295	ug/L	#	51
31) Cyclohexane	5.068	56	2371270	83.991	ug/L		68
32) Chloroform	5.144	83	1665285	82.940	ug/L		96
33) Ethyl acetate	5.243	43	1253616	83.784	ug/L	#	94
34) Carbon tetrachloride	5.273	117	1348913	85.007	ug/L		99
35) Tetrahydrofuran	5.296	42	386265M6	74.676	ug/L		
37) 1,1,1-Trichloroethane	5.342	97	1531233	82.990	ug/L		94
39) 2-Butanone	5.433	43	583171	91.272	ug/L	#	61
40) 1,1-Dichloropropene	5.463	75	1380893	84.549	ug/L		97
41) Benzene	5.714	78	3888916	82.955	ug/L	#	89
42) tert-Amyl methyl ether	5.813	73	2963557	83.432	ug/L		95
44) 1,2-Dichloroethane	5.927	62	1422123	81.211	ug/L		99
47) Methyl cyclohexane	6.299	83	1747845	85.111	ug/L	#	61
48) Trichloroethene	6.314	95	1129092	80.126	ug/L		94
50) Dibromomethane	6.762	93	555287	81.097	ug/L		98
51) 1,2-Dichloropropane	6.861	63	1111367	81.690	ug/L		96
53) 2-Chloroethyl vinyl ether	7.557	63	728712	83.376	ug/L	#	83
54) Bromodichloromethane	6.937	83	1307713	81.663	ug/L		99
57) 1,4-Dioxane	7.141	88	99305	809.533	ug/L	#	70
58) cis-1,3-Dichloropropene	7.629	75	1629204	82.650	ug/L	#	87
61) Toluene	7.886	92	2426058	82.400	ug/L		99
62) 4-Methyl-2-pentanone	8.323	58	423944	84.352	ug/L	#	81
63) Tetrachloroethene	8.338	166	1066212	82.802	ug/L		98
65) trans-1,3-Dichloropropene	8.381	75	1505223	83.196	ug/L		95
67) Ethyl methacrylate	8.560	69	1220921	82.952	ug/L		93
68) 1,1,2-Trichloroethane	8.567	83	691605	80.080	ug/L		98
69) Chlorodibromomethane	8.782	129	966979	83.797	ug/L		100
70) 1,3-Dichloropropane	8.889	76	1455478	82.323	ug/L		100
71) 1,2-Dibromoethane	9.054	107	841658	82.743	ug/L		99
72) 2-Hexanone	9.333	43	891171	83.954	ug/L		91
73) Chlorobenzene	9.703	112	2542457	81.674	ug/L		94
74) Ethylbenzene	9.736	91	4642899	82.712	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.785	131	971783	83.440	ug/L		99
76) p/m Xylene	9.925	106	3520814	164.423	ug/L		91
77) o Xylene	10.460	106	3402860	165.172	ug/L		90

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N11.D
Acq On : 26 Jul 2023 10:00 pm
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG1808529,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 27 11:40:00 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.525	104	5890978	165.671	ug/L		93
80)	Bromoform	10.558	173	696633	83.714	ug/L		99
82)	Isopropylbenzene	10.830	105	4486483	83.045	ug/L		97
84)	Bromobenzene	11.274	156	1128905	81.345	ug/L		99
85)	n-Propylbenzene	11.307	91	5303882	82.418	ug/L		96
86)	1,4-Dichlorobutane	11.332	55	1887343	79.736	ug/L		97
87)	1,1,2,2-Tetrachloroethane	11.406	83	926876	81.130	ug/L		100
88)	4-Ethyltoluene	11.430	105	4439372	82.752	ug/L		97
89)	2-Chlorotoluene	11.480	91	3222317M1	81.363	ug/L		
90)	1,3,5-Trimethylbenzene	11.529	105	3824308	81.786	ug/L		96
91)	1,2,3-Trichloropropane	11.545	75	888298	80.069	ug/L		96
92)	trans-1,4-Dichloro-2-b...	11.595	53	404753	84.379	ug/L	#	88
93)	4-Chlorotoluene	11.661	91	3377551	81.917	ug/L		94
94)	tert-Butylbenzene	11.866	119	3098084	82.561	ug/L		94
97)	1,2,4-Trimethylbenzene	11.949	105	3733816	83.239	ug/L		96
98)	sec-Butylbenzene	12.055	105	4553232	82.941	ug/L		99
99)	p-Isopropyltoluene	12.204	119	3887626	83.849	ug/L		98
100)	1,3-Dichlorobenzene	12.278	146	2134207	82.150	ug/L		98
101)	1,4-Dichlorobenzene	12.376	146	2158392	81.147	ug/L		99
102)	p-Diethylbenzene	12.574	119	2267623	84.126	ug/L		97
103)	n-Butylbenzene	12.631	91	3219539	85.687	ug/L		99
104)	1,2-Dichlorobenzene	12.796	146	2036065	80.800	ug/L		98
105)	1,2,4,5-Tetramethylben...	13.363	119	3084911	88.384	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.569	155	183909	81.406	ug/L		96
107)	1,3,5-Trichlorobenzene	13.594	180	1476218	85.874	ug/L		98
108)	Hexachlorobutadiene	14.161	225	574303	84.403	ug/L		99
109)	1,2,4-Trichlorobenzene	14.194	180	1263646	87.834	ug/L		99
110)	Naphthalene	14.482	128	2438301	90.078	ug/L		100
111)	1,2,3-Trichlorobenzene	14.655	180	1041758	88.698	ug/L		98

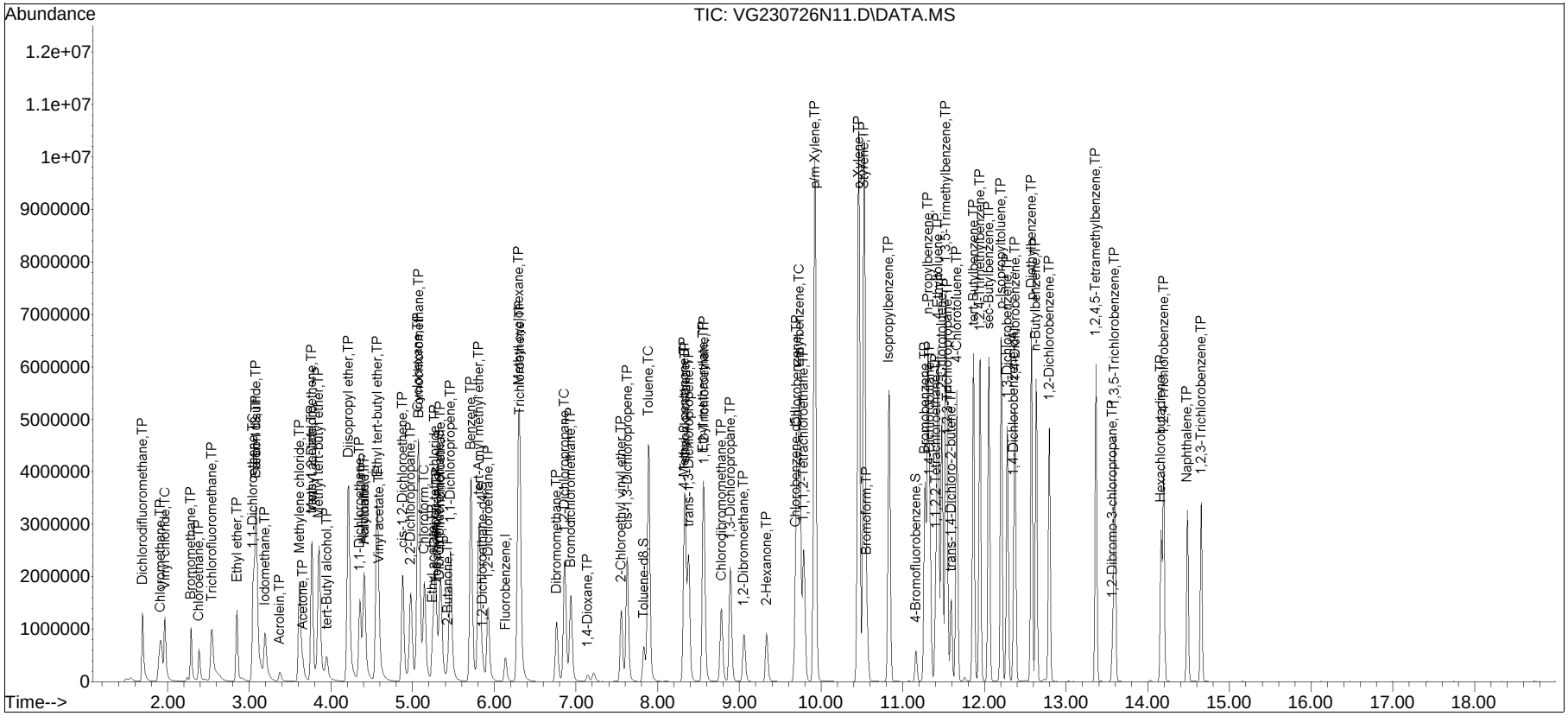
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N11.D
Acq On : 26 Jul 2023 10:00 pm
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG1808529,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 27 11:40:00 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

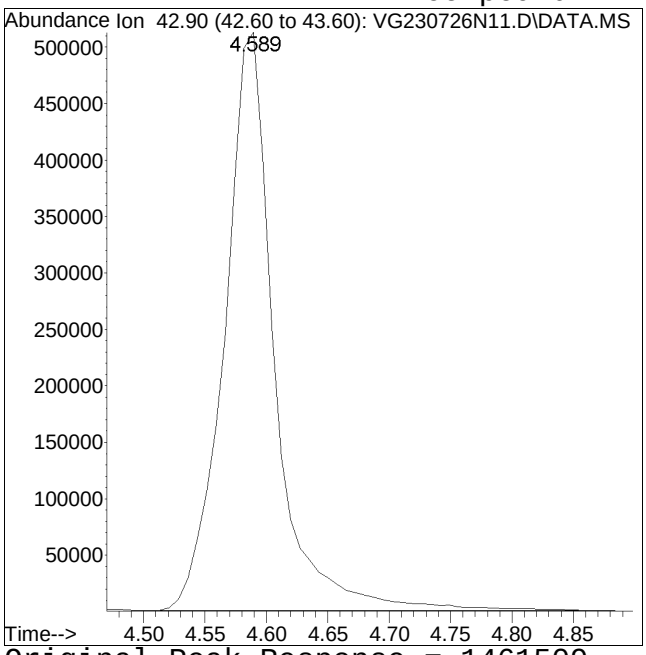
Sub List : 8260-Curve - Megamix plus DioxVG230726N09.D•



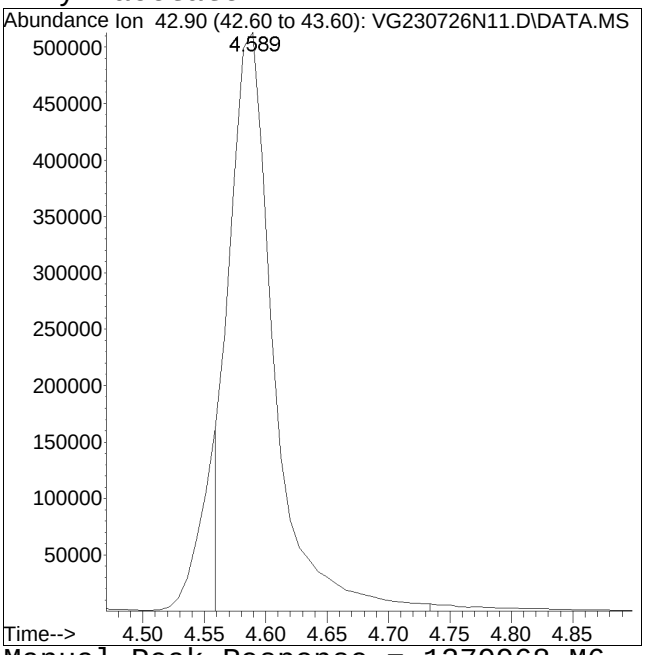
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N11.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 10:00 pm Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 7/27/2023 11:39 am

Compound #27: Vinyl acetate



Original Peak Response = 1461509



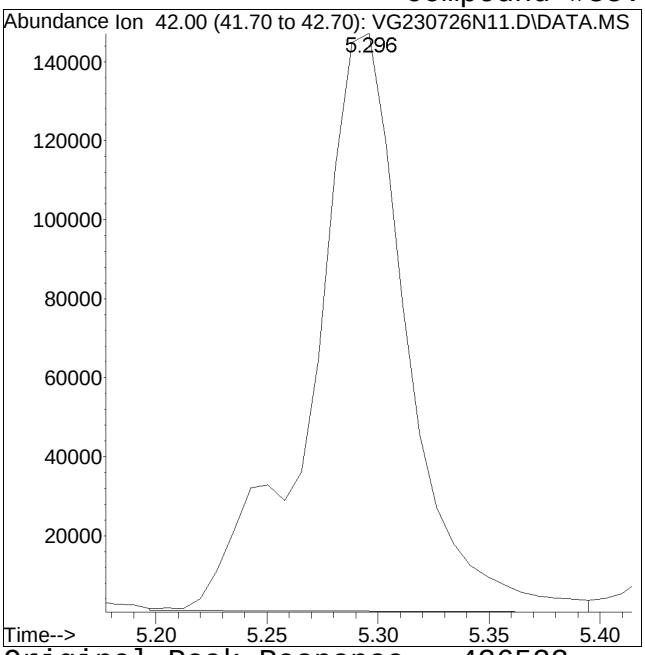
Manual Peak Response = 1279968 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

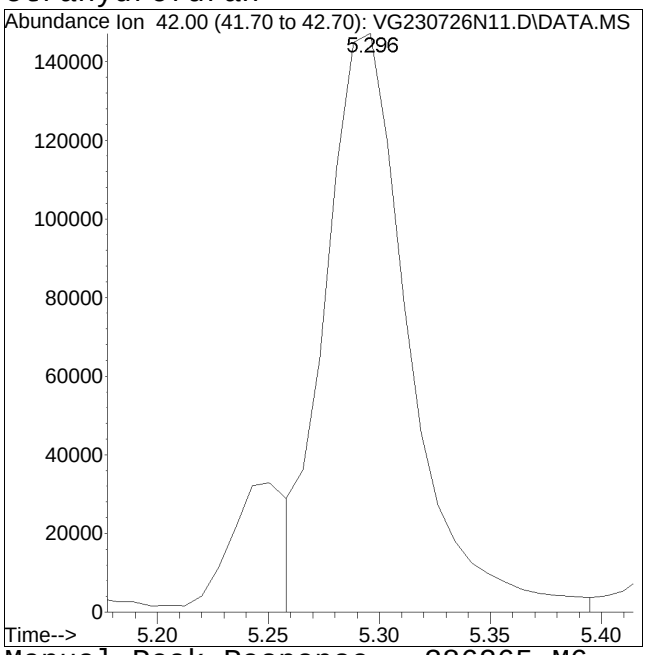
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N11.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 10:00 pm Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 7/27/2023 11:39 am

Compound #35: Tetrahydrofuran



Original Peak Response = 436523



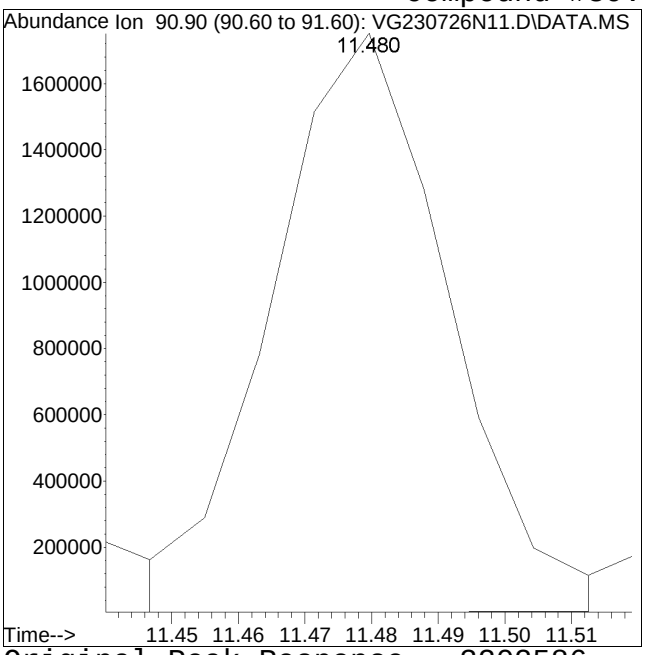
Manual Peak Response = 386265 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

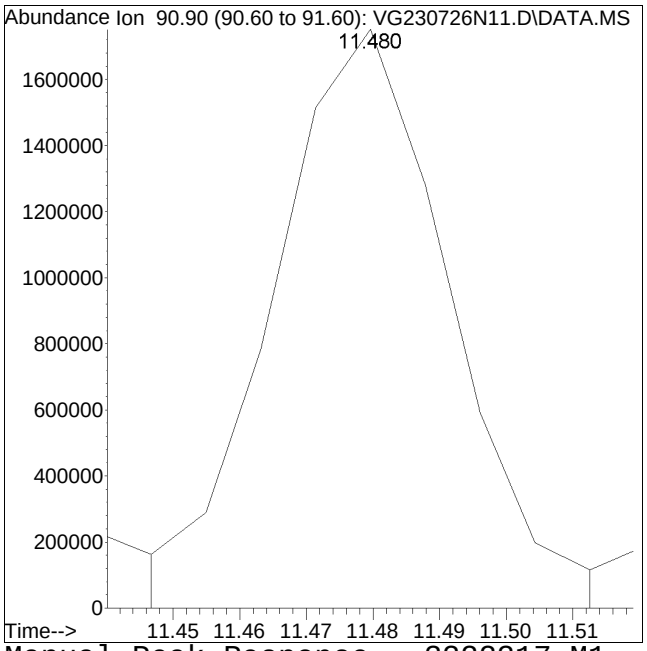
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N11.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 10:00 pm Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 7/27/2023 11:39 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 3202586



Manual Peak Response = 3222317 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N12.D
Acq On : 26 Jul 2023 10:23 pm
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG1808529,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 27 11:40:09 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	499159	10.000	ug/L	0.00
Standard Area 1 = 503562			Recovery =	99.13%		
59) Chlorobenzene-d5	9.686	117	434493	10.000	ug/L	0.00
Standard Area 1 = 431052			Recovery =	100.80%		
79) 1,4-Dichlorobenzene-d4	12.360	152	248241	10.000	ug/L	0.00
Standard Area 1 = 250732			Recovery =	99.01%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	130360	10.178	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.78%		
43) 1,2-Dichloroethane-d4	5.858	65	167181	10.249	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.49%		
60) Toluene-d8	7.829	98	550787	9.992	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.92%		
83) 4-Bromofluorobenzene	11.159	95	226723	10.073	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.73%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.695	85	1698913	122.730	ug/L	97
3) Chloromethane	1.915	50	2437916	121.540	ug/L	99
4) Vinyl chloride	1.968	62	1798007	124.412	ug/L	100
5) Bromomethane	2.288	94	842231	114.870	ug/L	98
6) Chloroethane	2.386	64	614766	96.036	ug/L	95
7) Trichlorofluoromethane	2.538	101	2036142	126.306	ug/L	99
8) Ethyl ether	2.850	74	743519	121.469	ug/L #	58
10) 1,1-Dichloroethene	3.055	96	1263040	123.645	ug/L #	71
11) Carbon disulfide	3.085	76	3929086	123.598	ug/L	99
12) Freon-113	3.085	101	1345473	123.980	ug/L #	73
13) Iodomethane	3.192	142	1902519	130.384	ug/L	98
14) Acrolein	3.374	56	269435	121.470	ug/L	98
15) Methylene chloride	3.617	84	1367703	111.282	ug/L #	59
17) Acetone	3.655	43	529423	108.187	ug/L	100
18) trans-1,2-Dichloroethene	3.769	96	1337743	122.083	ug/L	77
19) Methyl acetate	3.769	43	1284371	125.422	ug/L #	85
20) Methyl tert-butyl ether	3.853	73	4381727	124.670	ug/L #	85
21) tert-Butyl alcohol	3.951	59	908442	623.028	ug/L	96
22) Diisopropyl ether	4.217	45	6982942	125.289	ug/L #	90
23) 1,1-Dichloroethane	4.354	63	2947248	123.572	ug/L	97
24) Halothane	4.407	117	1062934	126.082	ug/L	98

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N12.D
Acq On : 26 Jul 2023 10:23 pm
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG1808529,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 27 11:40:09 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.407	53	599306	126.492	ug/L		93
26) Ethyl tert-butyl ether	4.567	59	5853710	125.938	ug/L	#	81
27) Vinyl acetate	4.589	43	2007143M6	135.835	ug/L		
28) cis-1,2-Dichloroethene	4.878	96	1523837	120.159	ug/L	#	81
29) 2,2-Dichloropropane	4.977	77	2005714	124.545	ug/L		93
30) Bromochloromethane	5.076	128	596458	115.809	ug/L	#	53
31) Cyclohexane	5.068	56	3457086	122.063	ug/L		67
32) Chloroform	5.144	83	2489724	123.610	ug/L		95
33) Ethyl acetate	5.250	43	1889215	125.864	ug/L	#	94
34) Carbon tetrachloride	5.273	117	1979605	124.358	ug/L		99
35) Tetrahydrofuran	5.296	42	575454M6	110.899	ug/L		
37) 1,1,1-Trichloroethane	5.342	97	2271605	122.728	ug/L		94
39) 2-Butanone	5.433	43	899044	140.264	ug/L	#	62
40) 1,1-Dichloropropene	5.463	75	2038741	124.433	ug/L		97
41) Benzene	5.714	78	5833229	124.035	ug/L	#	89
42) tert-Amyl methyl ether	5.813	73	4466096	125.336	ug/L		95
44) 1,2-Dichloroethane	5.927	62	2132783	121.409	ug/L		99
47) Methyl cyclohexane	6.299	83	2526872	122.657	ug/L	#	61
48) Trichloroethene	6.314	95	1657342	117.241	ug/L		95
50) Dibromomethane	6.762	93	836593	121.794	ug/L		97
51) 1,2-Dichloropropane	6.861	63	1681575	123.212	ug/L		96
53) 2-Chloroethyl vinyl ether	7.557	63	1090656	124.394	ug/L	#	82
54) Bromodichloromethane	6.937	83	1959653	121.989	ug/L		98
57) 1,4-Dioxane	7.141	88	152616	1240.191	ug/L	#	74
58) cis-1,3-Dichloropropene	7.629	75	2457326	124.266	ug/L	#	87
61) Toluene	7.886	92	3636471	120.704	ug/L		100
62) 4-Methyl-2-pentanone	8.323	58	640902	124.622	ug/L	#	82
63) Tetrachloroethene	8.338	166	1573836	119.446	ug/L		99
65) trans-1,3-Dichloropropene	8.381	75	2268842	122.552	ug/L		95
67) Ethyl methacrylate	8.560	69	1843336	122.393	ug/L		93
68) 1,1,2-Trichloroethane	8.567	83	1037308	117.378	ug/L		98
69) Chlorodibromomethane	8.782	129	1467394	124.272	ug/L		99
70) 1,3-Dichloropropane	8.889	76	2201195	121.671	ug/L		100
71) 1,2-Dibromoethane	9.061	107	1269829	121.998	ug/L		99
72) 2-Hexanone	9.333	43	1309909	120.597	ug/L		92
73) Chlorobenzene	9.703	112	3819398	119.905	ug/L		93
74) Ethylbenzene	9.736	91	6976540	121.460	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.793	131	1476822	123.922	ug/L		99
76) p/m Xylene	9.925	106	5246979	239.466	ug/L		90
77) o Xylene	10.460	106	5063938	240.213	ug/L		89

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N12.D
Acq On : 26 Jul 2023 10:23 pm
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG1808529,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 27 11:40:09 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.525	104	8855089	243.370	ug/L		93
80)	Bromoform	10.567	173	1048469	125.969	ug/L		99
82)	Isopropylbenzene	10.830	105	6696174	123.922	ug/L		97
84)	Bromobenzene	11.274	156	1685258	121.411	ug/L		99
85)	n-Propylbenzene	11.307	91	7947666	123.476	ug/L		96
86)	1,4-Dichlorobutane	11.332	55	2866023	121.059	ug/L		96
87)	1,1,2,2-Tetrachloroethane	11.406	83	1423076	124.538	ug/L		99
88)	4-Ethyltoluene	11.430	105	6647772	123.893	ug/L		97
89)	2-Chlorotoluene	11.480	91	4872908M1	123.016	ug/L		
90)	1,3,5-Trimethylbenzene	11.529	105	5735914	122.644	ug/L		95
91)	1,2,3-Trichloropropane	11.545	75	1341165	120.865	ug/L		96
92)	trans-1,4-Dichloro-2-b...	11.595	53	611009	127.353	ug/L	#	89
93)	4-Chlorotoluene	11.661	91	5088997	123.402	ug/L		94
94)	tert-Butylbenzene	11.866	119	4612832	122.904	ug/L		94
97)	1,2,4-Trimethylbenzene	11.949	105	5662166	126.203	ug/L		95
98)	sec-Butylbenzene	12.055	105	6797520	123.799	ug/L		99
99)	p-Isopropyltoluene	12.204	119	5815485	125.406	ug/L		98
100)	1,3-Dichlorobenzene	12.286	146	3193869	122.914	ug/L		98
101)	1,4-Dichlorobenzene	12.376	146	3220960	121.072	ug/L		98
102)	p-Diethylbenzene	12.574	119	3387532	125.649	ug/L		97
103)	n-Butylbenzene	12.640	91	4795288	127.601	ug/L		99
104)	1,2-Dichlorobenzene	12.796	146	3060328	121.423	ug/L		98
105)	1,2,4,5-Tetramethylben...	13.363	119	4724686	135.338	ug/L		97
106)	1,2-Dibromo-3-chloropr...	13.569	155	281753	124.692	ug/L		97
107)	1,3,5-Trichlorobenzene	13.594	180	2195588	127.696	ug/L		98
108)	Hexachlorobutadiene	14.161	225	859135	126.239	ug/L		99
109)	1,2,4-Trichlorobenzene	14.194	180	1913457	132.976	ug/L		99
110)	Naphthalene	14.482	128	3753567	138.641	ug/L		100
111)	1,2,3-Trichlorobenzene	14.655	180	1569904	133.641	ug/L		98

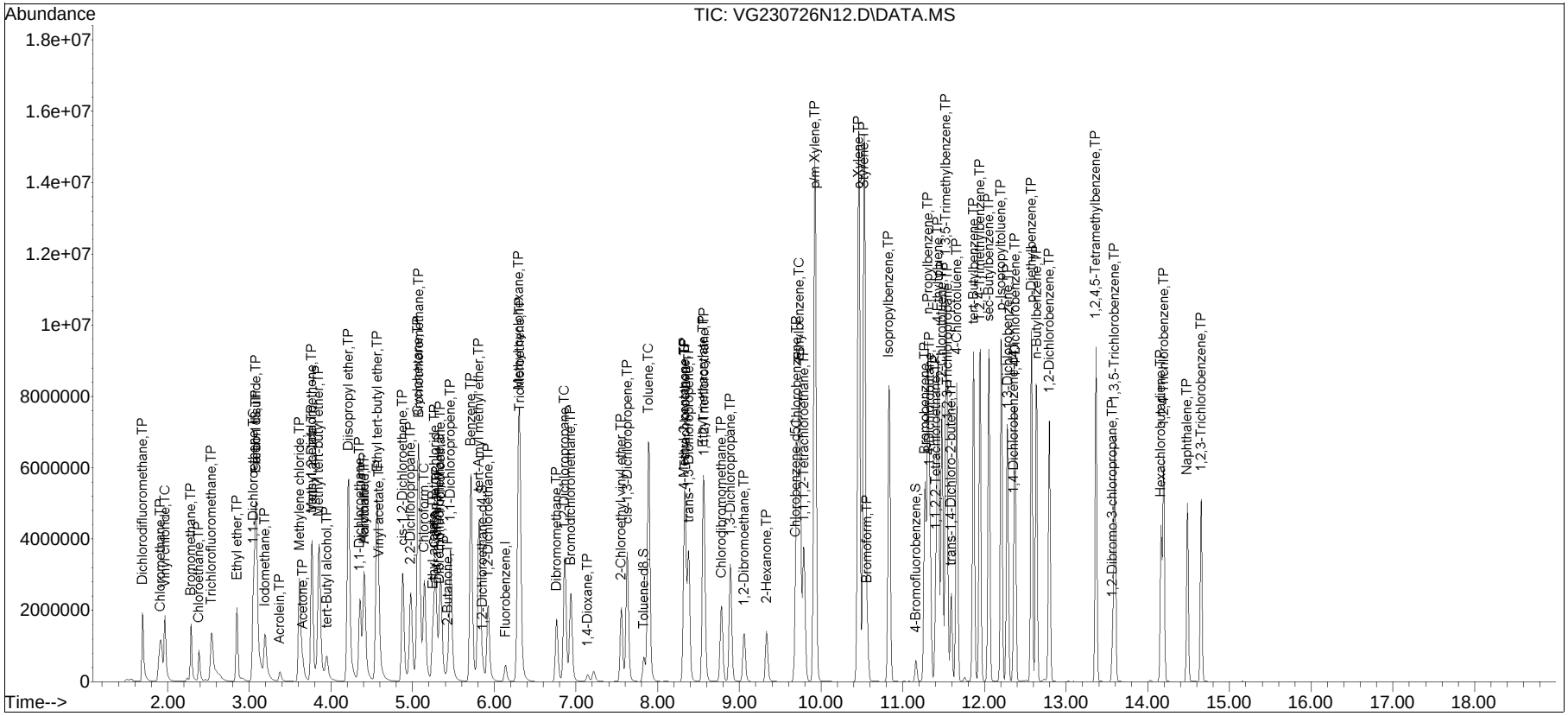
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N12.D
Acq On : 26 Jul 2023 10:23 pm
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG1808529,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 27 11:40:09 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

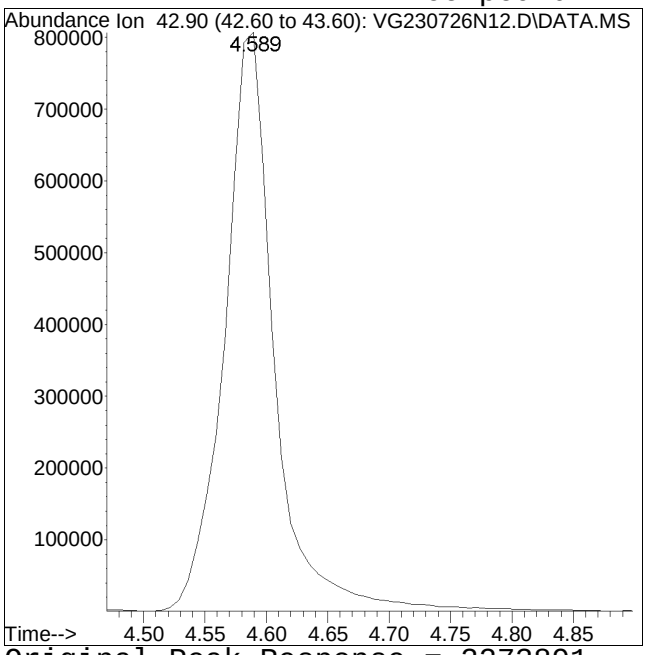
Sub List : 8260-Curve - Megamix plus DioxVG230726N09.D•



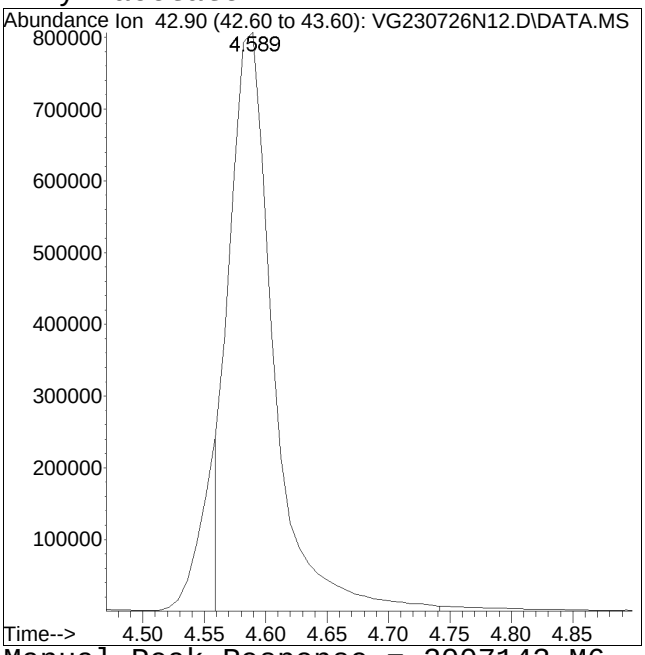
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N12.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 10:23 pm Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 7/27/2023 11:40 am

Compound #27: Vinyl acetate



Original Peak Response = 2273891



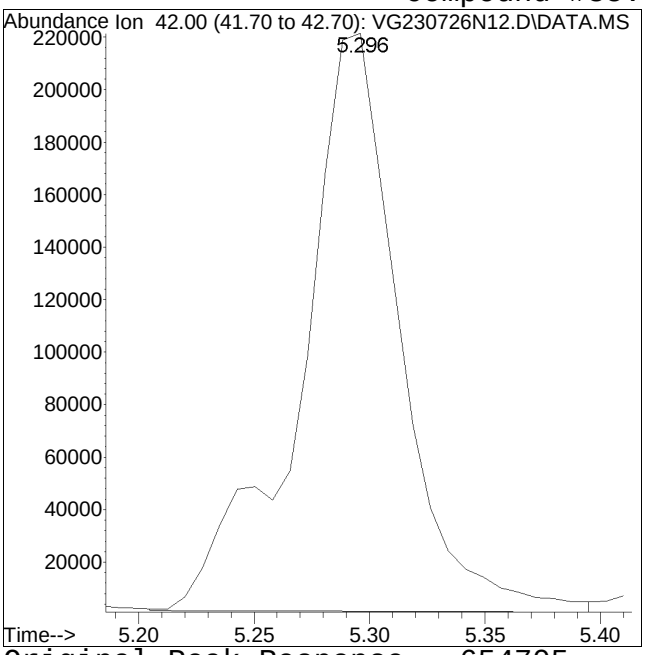
Manual Peak Response = 2007143 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

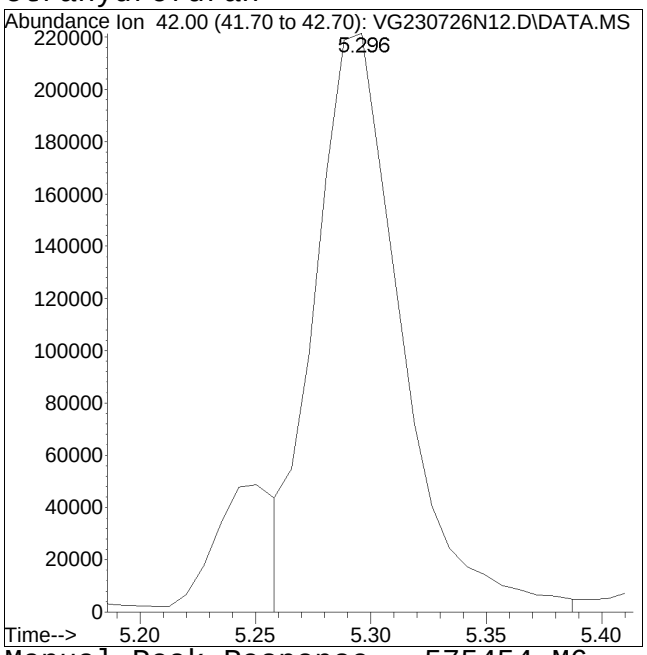
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N12.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 10:23 pm Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 7/27/2023 11:40 am

Compound #35: Tetrahydrofuran



Original Peak Response = 654705



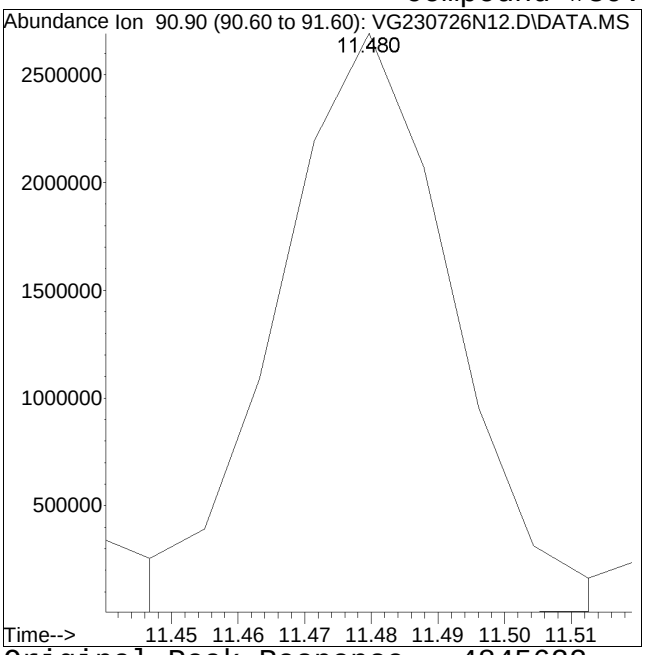
Manual Peak Response = 575454 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

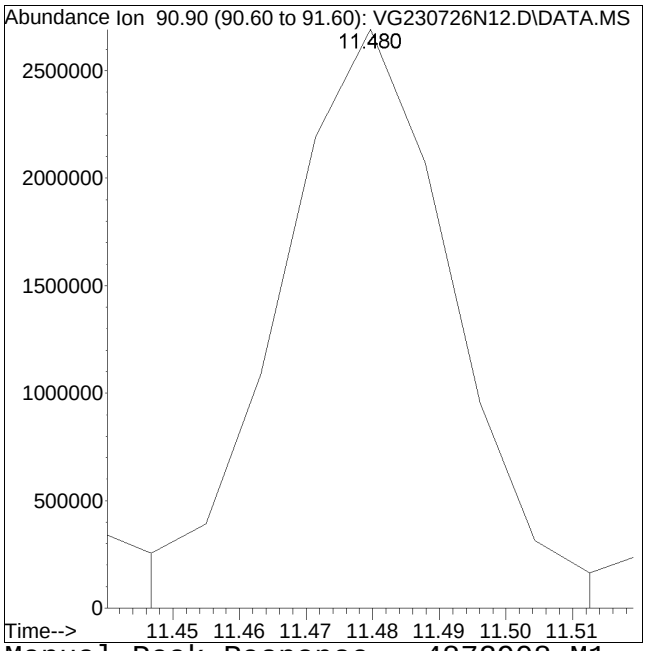
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N12.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 10:23 pm Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 7/27/2023 11:40 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 4845622



Manual Peak Response = 4872908 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N13.D
Acq On : 26 Jul 2023 10:47 pm
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG1808529,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 27 11:40:18 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	499843	10.000	ug/L	0.00
Standard Area 1 = 503562			Recovery =	99.26%		
59) Chlorobenzene-d5	9.686	117	431240	10.000	ug/L	0.00
Standard Area 1 = 431052			Recovery =	100.04%		
79) 1,4-Dichlorobenzene-d4	12.360	152	245782	10.000	ug/L	0.00
Standard Area 1 = 250732			Recovery =	98.03%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	132335	10.318	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.18%		
43) 1,2-Dichloroethane-d4	5.858	65	164519	10.072	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.72%		
60) Toluene-d8	7.829	98	555574	10.154	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.54%		
83) 4-Bromofluorobenzene	11.159	95	222626	9.990	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.90%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.695	85	2789379	201.229	ug/L	97
3) Chloromethane	1.915	50	4201296	209.165	ug/L	99
4) Vinyl chloride	1.968	62	3113932	215.171	ug/L	99
5) Bromomethane	2.288	94	1512697	206.031	ug/L	98
6) Chloroethane	2.386	64	985204	153.694	ug/L	95
7) Trichlorofluoromethane	2.538	101	3453456	213.931	ug/L	99
8) Ethyl ether	2.850	74	1262426	205.962	ug/L #	58
10) 1,1-Dichloroethene	3.055	96	2165345	211.686	ug/L #	70
11) Carbon disulfide	3.078	76	6775727	212.853	ug/L	99
12) Freon-113	3.085	101	2238571	205.993	ug/L #	68
13) Iodomethane	3.192	142	3183142	217.849	ug/L	97
14) Acrolein	3.374	56	440620	198.374	ug/L	97
15) Methylene chloride	3.617	84	2326846	189.063	ug/L #	59
17) Acetone	3.655	43	891060	181.838	ug/L	99
18) trans-1,2-Dichloroethene	3.769	96	2304322	210.005	ug/L	76
19) Methyl acetate	3.769	43	2141146	208.802	ug/L #	85
20) Methyl tert-butyl ether	3.853	73	7408499	210.500	ug/L #	85
21) tert-Butyl alcohol	3.951	59	1503398	1029.651	ug/L	95
22) Diisopropyl ether	4.217	45	11949257	214.101	ug/L #	89
23) 1,1-Dichloroethane	4.362	63	4912456	205.687	ug/L	97
24) Halothane	4.407	117	1799026	213.103	ug/L	100

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N13.D
Acq On : 26 Jul 2023 10:47 pm
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG1808529,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 27 11:40:18 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.407	53	999108	210.587	ug/L		93
26) Ethyl tert-butyl ether	4.567	59	9977812	214.371	ug/L	#	79
27) Vinyl acetate	4.582	43	3002499M6	202.918	ug/L		
28) cis-1,2-Dichloroethene	4.878	96	2627704	206.918	ug/L	#	80
29) 2,2-Dichloropropane	4.977	77	3380524	209.627	ug/L		93
30) Bromochloromethane	5.076	128	989848	191.927	ug/L	#	53
31) Cyclohexane	5.068	56	5853979	206.410	ug/L		68
32) Chloroform	5.144	83	4240861	210.263	ug/L		95
33) Ethyl acetate	5.243	43	3119295	207.531	ug/L	#	94
34) Carbon tetrachloride	5.273	117	3327593	208.752	ug/L		99
35) Tetrahydrofuran	5.296	42	945136M6	181.894	ug/L		
37) 1,1,1-Trichloroethane	5.342	97	3900452	210.441	ug/L		94
39) 2-Butanone	5.433	43	1469035	228.878	ug/L	#	63
40) 1,1-Dichloropropene	5.463	75	3506304	213.712	ug/L		97
41) Benzene	5.714	78	10100651	214.482	ug/L	#	89
42) tert-Amyl methyl ether	5.813	73	7600512	213.007	ug/L		95
44) 1,2-Dichloroethane	5.927	62	3623698	205.998	ug/L		99
47) Methyl cyclohexane	6.299	83	4227741	204.937	ug/L	#	60
48) Trichloroethene	6.314	95	2883071	203.671	ug/L		94
50) Dibromomethane	6.762	93	1408444	204.765	ug/L		97
51) 1,2-Dichloropropane	6.861	63	2861533	209.384	ug/L		96
53) 2-Chloroethyl vinyl ether	7.557	63	1779489	202.680	ug/L	#	82
54) Bromodichloromethane	6.937	83	3375881	209.861	ug/L		99
57) 1,4-Dioxane	7.149	88	252372	2048.023	ug/L	#	73
58) cis-1,3-Dichloropropene	7.629	75	4194698	211.834	ug/L	#	87
61) Toluene	7.886	92	6231961	208.416	ug/L		99
62) 4-Methyl-2-pentanone	8.323	58	1053838	206.462	ug/L	#	83
63) Tetrachloroethene	8.338	166	2655877	203.088	ug/L		98
65) trans-1,3-Dichloropropene	8.381	75	3877308	211.013	ug/L		96
67) Ethyl methacrylate	8.560	69	3053838	204.298	ug/L		94
68) 1,1,2-Trichloroethane	8.567	83	1756253	200.230	ug/L		97
69) Chlorodibromomethane	8.782	129	2495443	212.930	ug/L		99
70) 1,3-Dichloropropane	8.889	76	3732958	207.895	ug/L		100
71) 1,2-Dibromoethane	9.061	107	2147567	207.883	ug/L		99
72) 2-Hexanone	9.333	43	2173249	201.590	ug/L		92
73) Chlorobenzene	9.703	112	6516592	206.123	ug/L		93
74) Ethylbenzene	9.736	91	12053836	211.437	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.793	131	2516609	212.765	ug/L		99
76) p/m Xylene	9.925	106	8895316	409.033	ug/L		91
77) o Xylene	10.468	106	8576736	409.915	ug/L		92

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N13.D
Acq On : 26 Jul 2023 10:47 pm
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG1808529,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 27 11:40:18 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.534	104	14853648	411.311	ug/L		92
80)	Bromoform	10.567	173	1780047	216.005	ug/L		99
82)	Isopropylbenzene	10.838	105	11498959	214.934	ug/L		96
84)	Bromobenzene	11.274	156	2814041	204.760	ug/L		99
85)	n-Propylbenzene	11.307	91	13434332	210.805	ug/L		95
86)	1,4-Dichlorobutane	11.340	55	4804129	204.954	ug/L		96
87)	1,1,2,2-Tetrachloroethane	11.406	83	2317542	204.845	ug/L		98
88)	4-Ethyltoluene	11.439	105	11306756	212.830	ug/L		96
89)	2-Chlorotoluene	11.480	91	8390393M6	213.933	ug/L		
90)	1,3,5-Trimethylbenzene	11.529	105	9723958	209.996	ug/L		95
91)	1,2,3-Trichloropropane	11.546	75	2214560	201.572	ug/L		96
92)	trans-1,4-Dichloro-2-b...	11.595	53	1014848	213.641	ug/L	#	89
93)	4-Chlorotoluene	11.661	91	8712701	213.386	ug/L		93
94)	tert-Butylbenzene	11.866	119	7737813	208.228	ug/L		93
97)	1,2,4-Trimethylbenzene	11.949	105	9647830	217.190	ug/L		95
98)	sec-Butylbenzene	12.056	105	11418989	210.048	ug/L		98
99)	p-Isopropyltoluene	12.212	119	9748040	212.310	ug/L		98
100)	1,3-Dichlorobenzene	12.286	146	5393942	209.660	ug/L		98
101)	1,4-Dichlorobenzene	12.376	146	5471947	207.741	ug/L		98
102)	p-Diethylbenzene	12.582	119	5765844	216.005	ug/L		97
103)	n-Butylbenzene	12.640	91	8227366	221.117	ug/L		99
104)	1,2-Dichlorobenzene	12.796	146	5147472	206.278	ug/L		98
105)	1,2,4,5-Tetramethylben...	13.364	119	8200602	237.256	ug/L		97
106)	1,2-Dibromo-3-chloropr...	13.569	155	463269	207.075	ug/L		96
107)	1,3,5-Trichlorobenzene	13.602	180	3691389	216.841	ug/L		98
108)	Hexachlorobutadiene	14.161	225	1379774	204.768	ug/L		99
109)	1,2,4-Trichlorobenzene	14.194	180	3146446	220.851	ug/L		99
110)	Naphthalene	14.482	128	6301482	235.079	ug/L		100
111)	1,2,3-Trichlorobenzene	14.655	180	2515624	216.289	ug/L		98

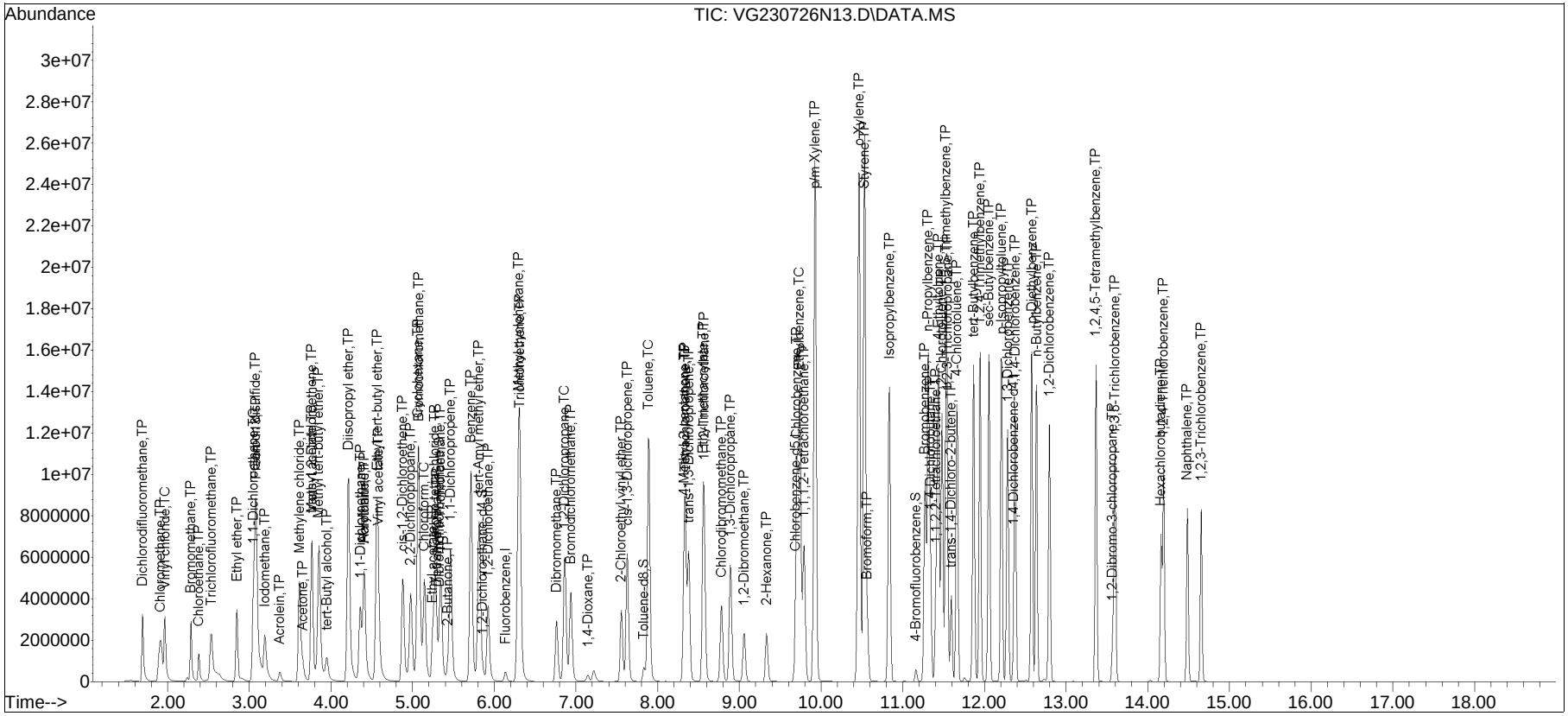
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N13.D
Acq On : 26 Jul 2023 10:47 pm
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG1808529,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 27 11:40:18 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:38:51 2023
Response via : Initial Calibration

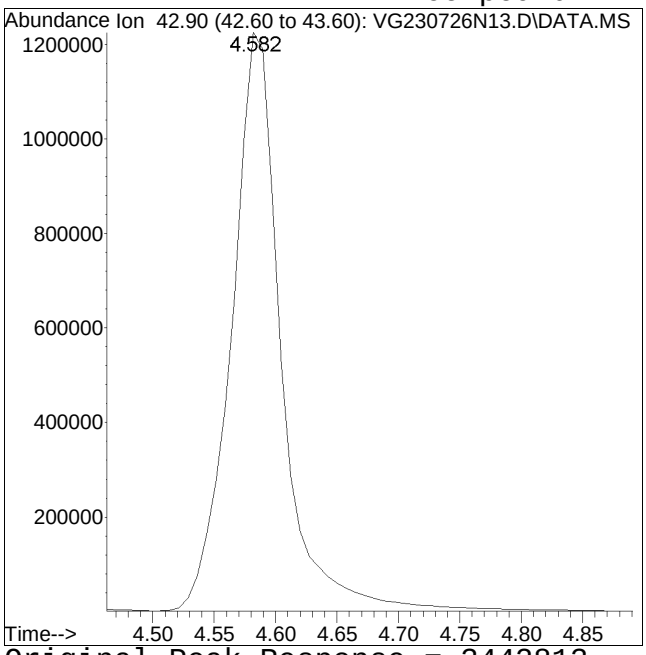
Sub List : 8260-Curve - Megamix plus DioxVG230726N09.D•



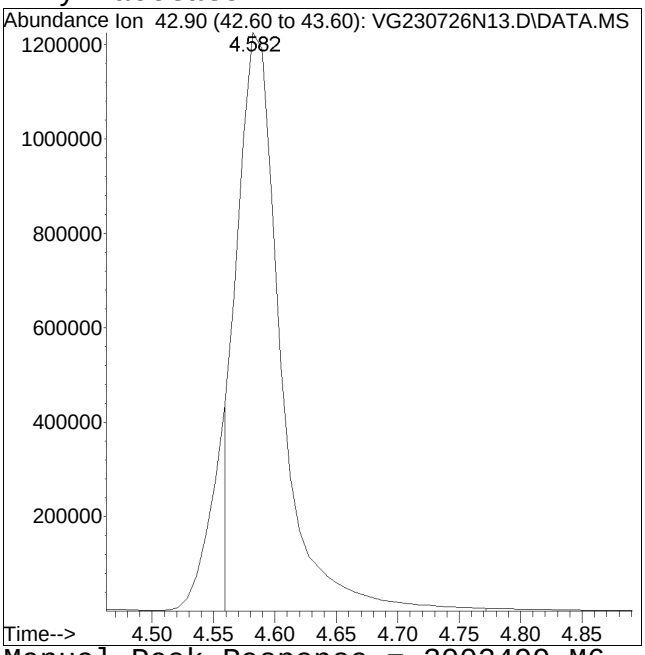
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N13.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 10:47 pm Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 7/27/2023 11:40 am

Compound #27: Vinyl acetate



Original Peak Response = 3442813



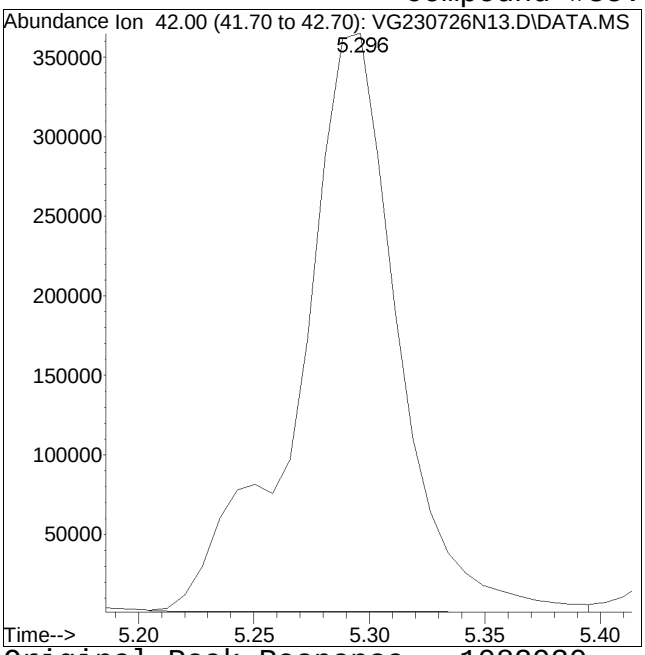
Manual Peak Response = 3002499 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

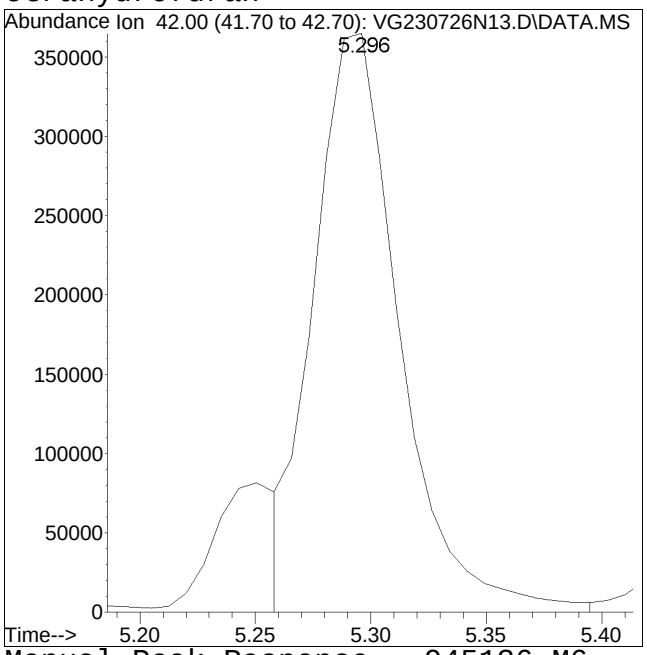
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N13.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 10:47 pm Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 7/27/2023 11:40 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1082930



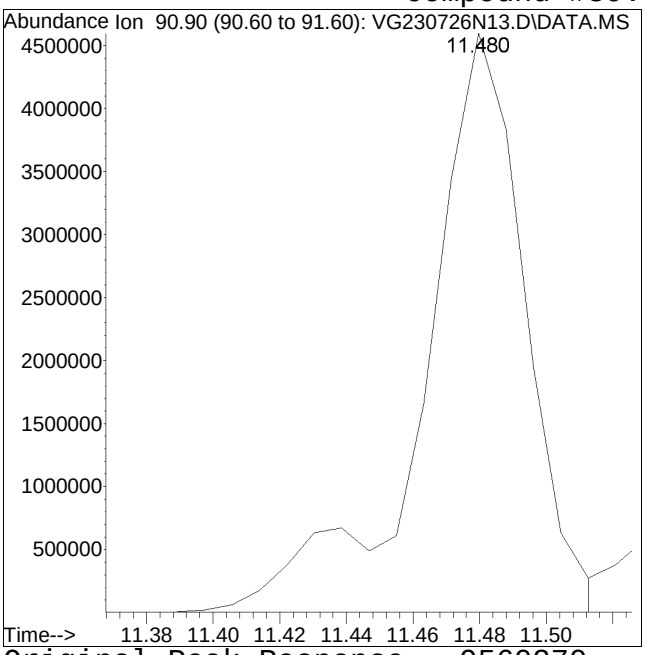
Manual Peak Response = 945136 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

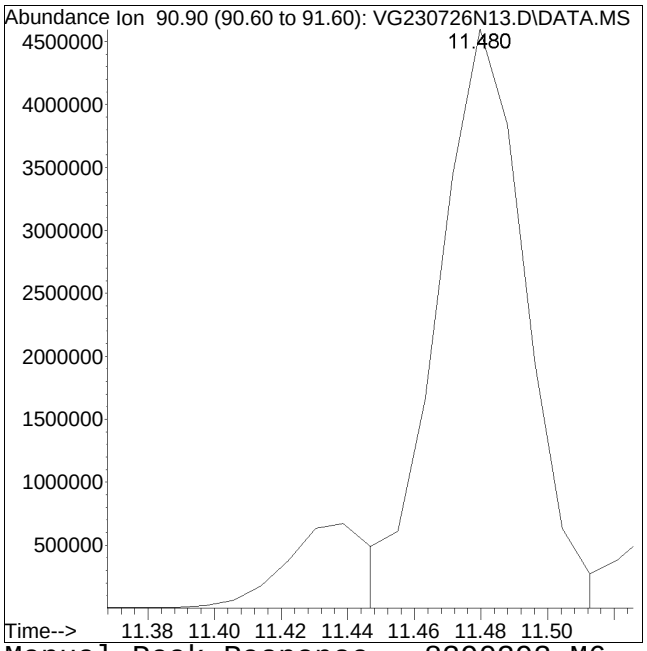
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N13.D Operator : GONZO:PID
Date Inj'd : 7/26/2023 10:47 pm Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 7/27/2023 11:40 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 9560270



Manual Peak Response = 8390393 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N18.D
Acq On : 27 Jul 2023 12:46 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 27 11:46:23 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
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	96	0.00
2	TP	Dichlorodifluoromethane	0.277	0.144	48.0#	46#	0.00
3	TP	Chloromethane	0.402	0.314	21.9#	73	0.00
4	TC	Vinyl chloride	0.290	0.249	14.1	77	0.00
5	TP	Bromomethane	0.147	0.149	-1.4	103	0.00
6	TP	Chloroethane	0.128	0.115	10.2	73	0.00
7	TP	Trichlorofluoromethane	0.323	0.292	9.6	79	0.00
8	TP	Ethyl ether	0.123	0.124	-0.8	96	0.00
10	TC	1,1-Dichloroethene	0.205	0.187	8.8	82	0.00
11	TP	Carbon disulfide	0.637	0.570	10.5	82	0.00
12	TP	Freon-113	0.217	0.206	5.1	83	0.00
13	TP	Iodomethane	0.292	0.182	37.7#	59	0.00
14	TP	Acrolein	0.044	0.036	18.2	83	0.00
15	TP	Methylene chloride	0.246	0.232	5.7	96	0.00
17	TP	Acetone	0.092	0.077	16.3	85	0.00
18	TP	trans-1,2-Dichloroethene	0.220	0.205	6.8	87	0.00
19	TP	Methyl acetate	0.205	0.176	14.1	84	0.00
20	TP	Methyl tert-butyl ether	0.704	0.653	7.2	89	0.00
21	TP	tert-Butyl alcohol	0.029	0.027	6.9	92	0.00
22	TP	Diisopropyl ether	1.117	1.070	4.2	91	0.00
23	TP	1,1-Dichloroethane	0.478	0.473	1.0	93	0.00
24	TP	Halothane	0.169	0.165	2.4	89	0.00
25	TP	Acrylonitrile	0.095	0.091	4.2	94	0.00
26	TP	Ethyl tert-butyl ether	0.931	0.888	4.6	91	0.00
27	TP	Vinyl acetate	0.296	0.228	23.0#	91	0.00
28	TP	cis-1,2-Dichloroethene	0.254	0.234	7.9	89	0.00
29	TP	2,2-Dichloropropane	0.323	0.286	11.5	84	0.00
30	TP	Bromochloromethane	0.103	0.103	0.0	93	0.00
31	TP	Cyclohexane	0.567	0.534	5.8	84	0.00
32	TC	Chloroform	0.404	0.389	3.7	89	0.00
33	TP	Ethyl acetate	0.301	0.284	5.6	94	0.00
34	TP	Carbon tetrachloride	0.319	0.304	4.7	87	0.00
35	TP	Tetrahydrofuran	0.096	0.092	4.2	93	0.00
36	S	Dibromofluoromethane	0.257	0.266	-3.5	98	0.00
37	TP	1,1,1-Trichloroethane	0.371	0.366	1.3	92	0.00
39	TP	2-Butanone	0.138	0.117	15.2	83	0.00
40	TP	1,1-Dichloropropene	0.328	0.316	3.7	88	0.00
41	TP	Benzene	0.942	0.911	3.3	91	0.00
42	TP	tert-Amyl methyl ether	0.714	0.664	7.0	88	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N18.D
Acq On : 27 Jul 2023 12:46 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 27 11:46:23 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.327	0.352	-7.6	99	0.00
44	TP	1,2-Dichloroethane	0.352	0.342	2.8	92	0.00
47	TP	Methyl cyclohexane	0.413	0.404	2.2	86	0.00
48	TP	Trichloroethene	0.283	0.283	0.0	92	0.00
50	TP	Dibromomethane	0.138	0.130	5.8	92	0.00
51	TC	1,2-Dichloropropane	0.273	0.277	-1.5	95	0.00
53	TP	2-Chloroethyl vinyl ether	0.176	0.158	10.2	85	0.00
54	TP	Bromodichloromethane	0.322	0.312	3.1	92	0.00
57	TP	1,4-Dioxane	0.00247	0.00259#	-4.9	103	0.00
58	TP	cis-1,3-Dichloropropene	0.396	0.395	0.3	97	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
60	S	Toluene-d8	1.269	1.281	-0.9	99	0.00
61	TC	Toluene	0.693	0.667	3.8	91	0.00
62	TP	4-Methyl-2-pentanone	0.118	0.106	10.2	88	0.00
63	TP	Tetrachloroethene	0.303	0.297	2.0	90	0.00
65	TP	trans-1,3-Dichloropropene	0.426	0.419	1.6	98	0.00
67	TP	Ethyl methacrylate	0.347	0.344	0.9	96	0.00
68	TP	1,1,2-Trichloroethane	0.203	0.195#	3.9	94	0.00
69	TP	Chlorodibromomethane	0.272	0.261	4.0	94	0.00
70	TP	1,3-Dichloropropane	0.416	0.396	4.8	91	0.00
71	TP	1,2-Dibromoethane	0.240	0.222	7.5	90	0.00
72	TP	2-Hexanone	0.250	0.219	12.4	88	0.00
73	TP	Chlorobenzene	0.733	0.732	0.1	95	0.00
74	TC	Ethylbenzene	1.322	1.297	1.9	93	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.274	0.259	5.5	91	0.00
76	TP	p/m Xylene	0.504	0.492	2.4	91	0.00
77	TP	o Xylene	0.485	0.473	2.5	92	0.00
78	TP	Styrene	0.837	0.813	2.9	92	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80	TP	Bromoform	0.335	0.325	3.0	98	0.00
82	TP	Isopropylbenzene	2.177	2.125	2.4	91	0.00
83	S	4-Bromofluorobenzene	0.907	0.901	0.7	99	0.00
84	TP	Bromobenzene	0.559	0.530	5.2	92	0.00
85	TP	n-Propylbenzene	2.593	2.571	0.8	93	0.00
86	TP	1,4-Dichlorobutane	0.954	0.947	0.7	97	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.460	0.396	13.9	87	0.00
88	TP	4-Ethyltoluene	2.162	2.127	1.6	92	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N18.D
Acq On : 27 Jul 2023 12:46 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 27 11:46:23 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.596	1.558	2.4	93	0.00
90 TP	1,3,5-Trimethylbenzene	1.884	1.828	3.0	91	0.00
91 TP	1,2,3-Trichloropropane	0.447	0.417	6.7	93	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.193	0.174	9.8	91	0.00
93 TP	4-Chlorotoluene	1.661	1.607	3.3	94	0.00
94 TP	tert-Butylbenzene	1.512	1.480	2.1	92	0.00
97 TP	1,2,4-Trimethylbenzene	1.807	1.808	-0.1	96	0.00
98 TP	sec-Butylbenzene	2.212	2.160	2.4	90	0.00
99 TP	p-Isopropyltoluene	1.868	1.826	2.2	92	0.00
100 TP	1,3-Dichlorobenzene	1.047	1.048	-0.1	96	0.00
101 TP	1,4-Dichlorobenzene	1.072	1.029	4.0	91	0.00
102 TP	p-Diethylbenzene	1.086	1.001	7.8	88	0.00
103 TP	n-Butylbenzene	1.514	1.521	-0.5	96	0.00
104 TP	1,2-Dichlorobenzene	1.015	0.988	2.7	94	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.406	1.228	12.7	89	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.091	0.085	6.6	96	0.00
107 TP	1,3,5-Trichlorobenzene	0.693	0.644	7.1	91	0.00
108 TP	Hexachlorobutadiene	0.274	0.262	4.4	91	0.00
109 TP	1,2,4-Trichlorobenzene	0.580	0.519	10.5	89	0.00
110 TP	Naphthalene	1.091	0.918	15.9	88	0.00
111 TP	1,2,3-Trichlorobenzene	0.473	0.436	7.8	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N18.D
Acq On : 27 Jul 2023 12:46 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 27 11:46:23 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	485764	10.000	ug/L	0.00
Standard Area 1 = 503562			Recovery =	96.47%		
59) Chlorobenzene-d5	9.686	117	418990	10.000	ug/L	0.00
Standard Area 1 = 431052			Recovery =	97.20%		
79) 1,4-Dichlorobenzene-d4	12.360	152	244091	10.000	ug/L	0.00
Standard Area 1 = 250732			Recovery =	97.35%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	129255	10.370	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.70%		
43) 1,2-Dichloroethane-d4	5.858	65	171170	10.783	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.83%		
60) Toluene-d8	7.829	98	536627	10.095	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.95%		
83) 4-Bromofluorobenzene	11.159	95	219940	9.938	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.38%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.695	85	70009	5.197	ug/L #	96
3) Chloromethane	1.915	50	152445	7.810	ug/L	99
4) Vinyl chloride	1.968	62	120944	8.599	ug/L	100
5) Bromomethane	2.288	94	72229	10.123	ug/L	99
6) Chloroethane	2.386	64	55843	8.964	ug/L	96
7) Trichlorofluoromethane	2.538	101	141837	9.041	ug/L	99
8) Ethyl ether	2.850	74	60228	10.111	ug/L #	57
10) 1,1-Dichloroethene	3.047	96	90672	9.121	ug/L #	72
11) Carbon disulfide	3.085	76	276943	8.952	ug/L	100
12) Freon-113	3.085	101	100231	9.491	ug/L	80
13) Iodomethane	3.199	142	88252	6.215	ug/L	97
14) Acrolein	3.382	56	17271	8.001	ug/L	98
15) Methylene chloride	3.617	84	112687	9.422	ug/L #	61
17) Acetone	3.663	43	37460	8.389	ug/L	98
18) trans-1,2-Dichloroethene	3.769	96	99582	9.338	ug/L	76
19) Methyl acetate	3.777	43	85566	8.586	ug/L #	86
20) Methyl tert-butyl ether	3.853	73	317182	9.273	ug/L #	85
21) tert-Butyl alcohol	3.951	59	66216	46.665	ug/L	99
22) Diisopropyl ether	4.217	45	519947	9.586	ug/L #	90
23) 1,1-Dichloroethane	4.354	63	229932	9.906	ug/L	98
24) Halothane	4.407	117	79982	9.749	ug/L	99

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N18.D
Acq On : 27 Jul 2023 12:46 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 27 11:46:23 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.407	53	44420	9.634	ug/L		91
26) Ethyl tert-butyl ether	4.567	59	431452	9.538	ug/L	#	76
27) Vinyl acetate	4.590	43	110750M6	7.702	ug/L		
28) cis-1,2-Dichloroethene	4.878	96	113885	9.228	ug/L	#	84
29) 2,2-Dichloropropane	4.977	77	138819	8.858	ug/L		93
30) Bromochloromethane	5.076	128	49842	9.944	ug/L	#	55
31) Cyclohexane	5.068	56	259161	9.403	ug/L		68
32) Chloroform	5.144	83	188980	9.641	ug/L	#	94
33) Ethyl acetate	5.250	43	137779	9.432	ug/L	#	94
34) Carbon tetrachloride	5.281	117	147489	9.521	ug/L		95
35) Tetrahydrofuran	5.296	42	44593M6	9.584	ug/L		
37) 1,1,1-Trichloroethane	5.342	97	177894	9.876	ug/L		96
39) 2-Butanone	5.440	43	56897	8.471	ug/L	#	64
40) 1,1-Dichloropropene	5.463	75	153609	9.634	ug/L		97
41) Benzene	5.714	78	442466	9.668	ug/L	#	89
42) tert-Amyl methyl ether	5.813	73	322340	9.296	ug/L		95
44) 1,2-Dichloroethane	5.927	62	166014	9.711	ug/L		98
47) Methyl cyclohexane	6.291	83	196271	9.790	ug/L	#	62
48) Trichloroethene	6.314	95	137324	9.982	ug/L		95
50) Dibromomethane	6.762	93	63378	9.481	ug/L		97
51) 1,2-Dichloropropane	6.861	63	134743	10.145	ug/L		96
53) 2-Chloroethyl vinyl ether	7.557	63	76516	8.968	ug/L	#	82
54) Bromodichloromethane	6.937	83	151551	9.694	ug/L		99
57) 1,4-Dioxane	7.141	88	63025	526.278	ug/L	#	73
58) cis-1,3-Dichloropropene	7.629	75	191872	9.970	ug/L	#	88
61) Toluene	7.886	92	279654	9.626	ug/L		100
62) 4-Methyl-2-pentanone	8.331	58	44385	8.950	ug/L	#	78
63) Tetrachloroethene	8.338	166	124413	9.792	ug/L		100
65) trans-1,3-Dichloropropene	8.381	75	175582	9.835	ug/L		95
67) Ethyl methacrylate	8.560	69	144101	9.922	ug/L		92
68) 1,1,2-Trichloroethane	8.567	83	81782	9.597	ug/L		96
69) Chlorodibromomethane	8.782	129	109443	9.612	ug/L		99
70) 1,3-Dichloropropane	8.889	76	166107	9.521	ug/L		100
71) 1,2-Dibromoethane	9.061	107	92936	9.259	ug/L		99
72) 2-Hexanone	9.341	43	91945	8.778	ug/L		92
73) Chlorobenzene	9.703	112	306818	9.989	ug/L		94
74) Ethylbenzene	9.736	91	543261	9.808	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.793	131	108653	9.455	ug/L		99
76) p/m Xylene	9.925	106	412352	19.516	ug/L		93
77) o Xylene	10.460	106	396106	19.485	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N18.D
Acq On : 27 Jul 2023 12:46 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 27 11:46:23 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230726NICAL\VG230726N09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.525	104	681401	19.420	ug/L		93
80) Bromoform	10.558	173	79379	9.699	ug/L		99
82) Isopropylbenzene	10.830	105	518575	9.760	ug/L		98
84) Bromobenzene	11.274	156	129428	9.483	ug/L		97
85) n-Propylbenzene	11.307	91	627643	9.917	ug/L		97
86) 1,4-Dichlorobutane	11.332	55	231185	9.931	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.406	83	96714	8.608	ug/L		98
88) 4-Ethyltoluene	11.430	105	519131	9.839	ug/L		96
89) 2-Chlorotoluene	11.480	91	380268M1	9.763	ug/L		
90) 1,3,5-Trimethylbenzene	11.529	105	446132	9.701	ug/L		96
91) 1,2,3-Trichloropropane	11.546	75	101759	9.326	ug/L		96
92) trans-1,4-Dichloro-2-b...	11.595	53	42524	9.014	ug/L	#	86
93) 4-Chlorotoluene	11.661	91	392282	9.674	ug/L		96
94) tert-Butylbenzene	11.866	119	361372	9.792	ug/L		94
97) 1,2,4-Trimethylbenzene	11.949	105	441410	10.006	ug/L		97
98) sec-Butylbenzene	12.056	105	527292	9.767	ug/L		99
99) p-Isopropyltoluene	12.204	119	445695	9.774	ug/L		98
100) 1,3-Dichlorobenzene	12.278	146	255715	10.008	ug/L		99
101) 1,4-Dichlorobenzene	12.376	146	251161	9.601	ug/L		98
102) p-Diethylbenzene	12.574	119	244381	9.219	ug/L		99
103) n-Butylbenzene	12.631	91	371362	10.050	ug/L		99
104) 1,2-Dichlorobenzene	12.796	146	241245	9.735	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.364	119	299691	8.731	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.569	155	20634	9.287	ug/L		99
107) 1,3,5-Trichlorobenzene	13.594	180	157150	9.295	ug/L		98
108) Hexachlorobutadiene	14.161	225	63897	9.548	ug/L		98
109) 1,2,4-Trichlorobenzene	14.194	180	126695	8.954	ug/L		99
110) Naphthalene	14.491	128	223962	8.413	ug/L		100
111) 1,2,3-Trichlorobenzene	14.655	180	106368	9.209	ug/L		98

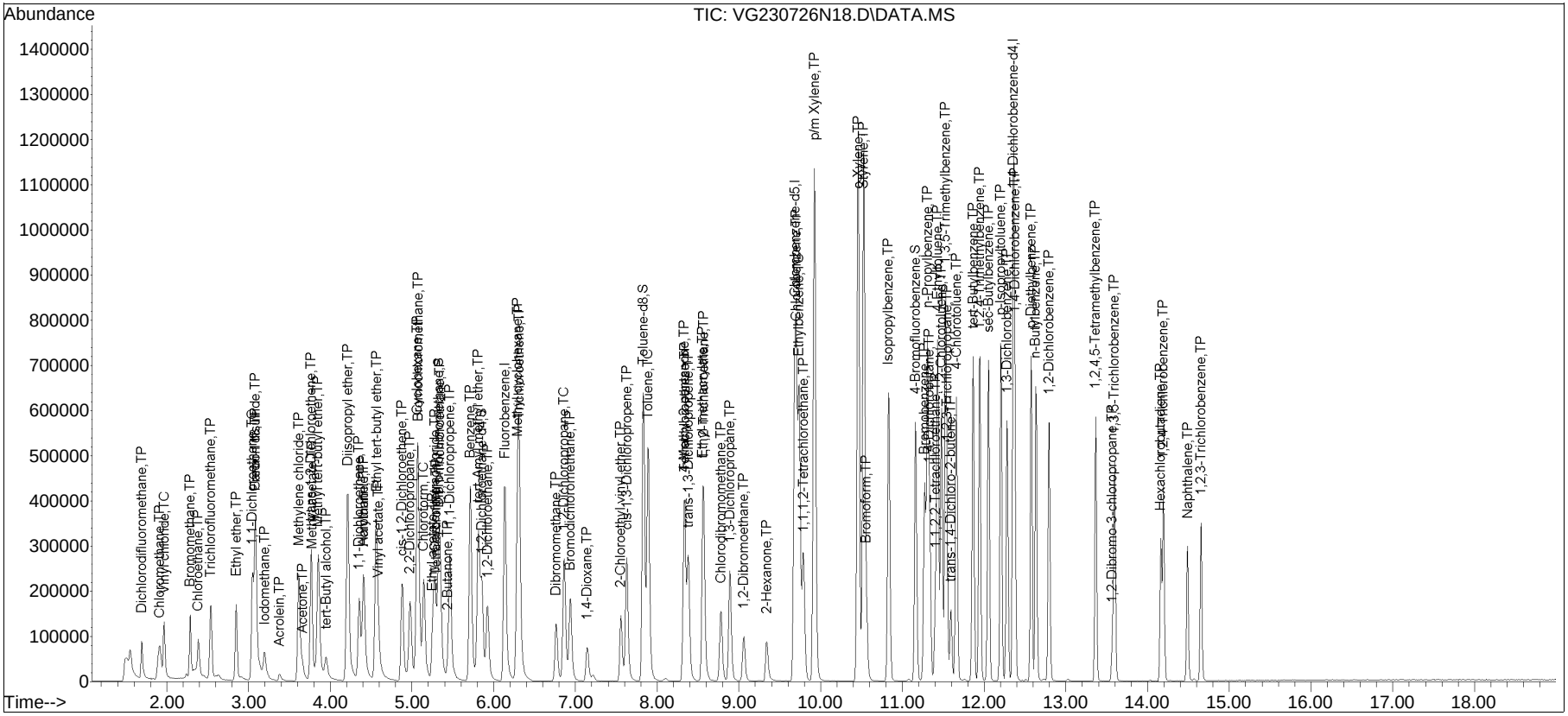
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230726NICAL\
Data File : VG230726N18.D
Acq On : 27 Jul 2023 12:46 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1808529,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 27 11:46:23 2023
Quant Method : K:\Gonzo\2023\230726NICAL\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

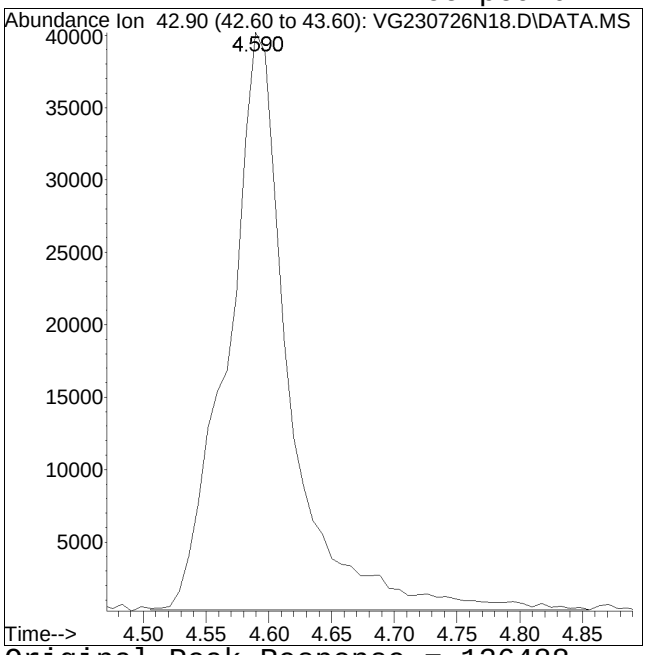
Sub List : 8260-Curve - Megamix plus DioxVG230726N09.D•



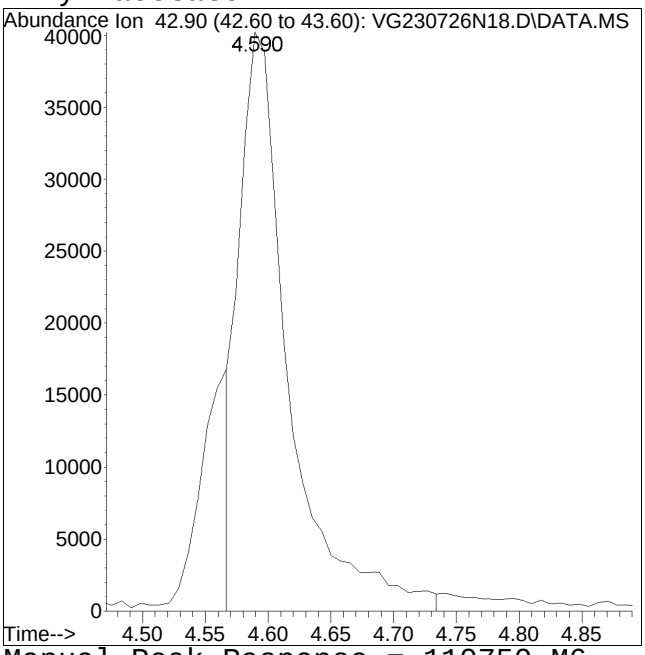
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N18.D Operator : GONZO:PID
Date Inj'd : 7/27/2023 12:46 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 7/27/2023 11:45 am

Compound #27: Vinyl acetate



Original Peak Response = 136488



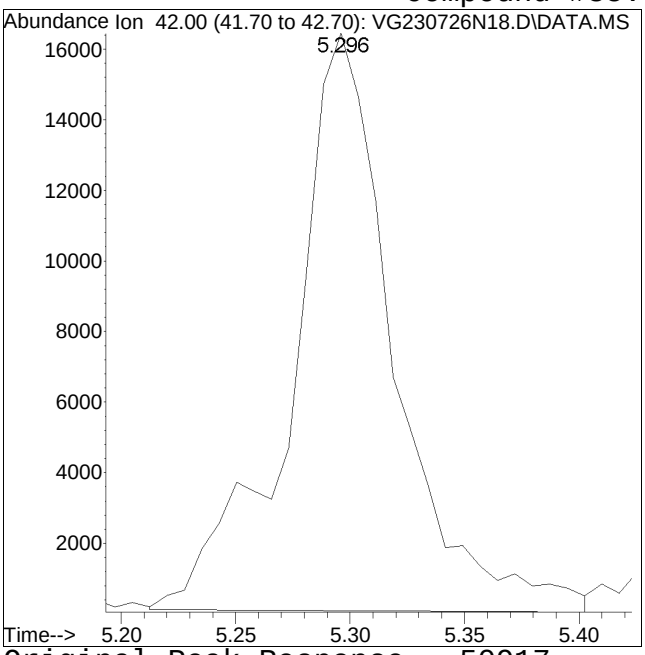
Manual Peak Response = 110750 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

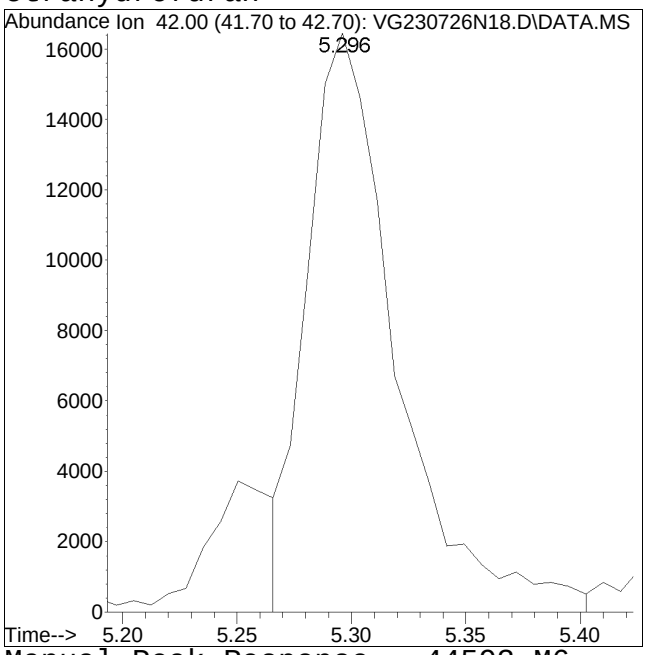
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N18.D Operator : GONZO:PID
Date Inj'd : 7/27/2023 12:46 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 7/27/2023 11:45 am

Compound #35: Tetrahydrofuran



Original Peak Response = 50917



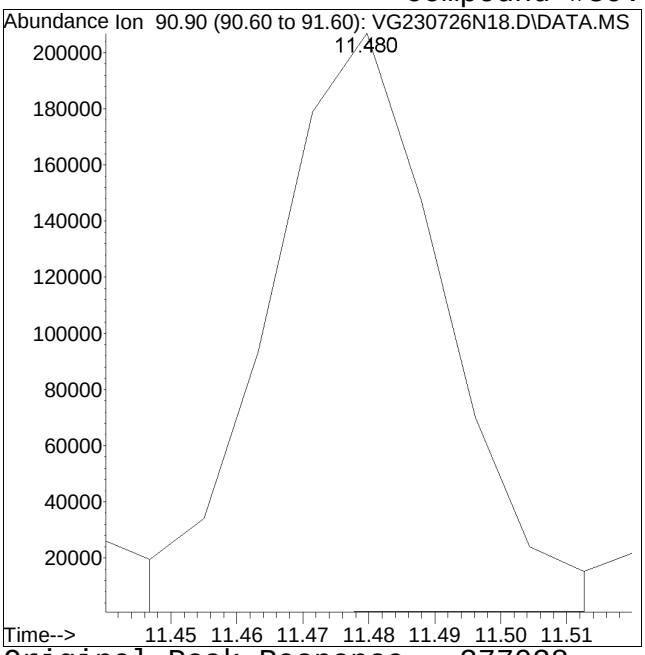
Manual Peak Response = 44593 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

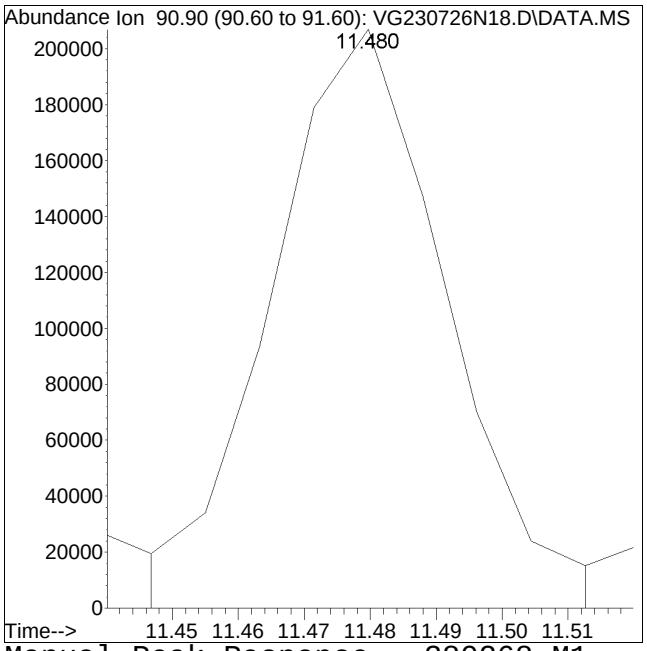
Manual Integration Report

Data Path : K:\Gonzo\2023\230726NICAL\QMethod : G_230726N_8260.m
Data File : VG230726N18.D Operator : GONZO:PID
Date Inj'd : 7/27/2023 12:46 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 7/27/2023 11:45 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 377038



Manual Peak Response = 380268 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770	
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45	
Instrument ID	: GONZO	**Calibration Date**	: 08/24/23 18:38	
Lab File ID	: VG230824N02	**Init. Calib. Date(s)**	: 07/26/23	07/26/23
Sample No	: WG1820053-2	**Init. Calib. Times**	: 18:49	22:47
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	121	0
Dichlorodifluoromethane	0.277	0.277	-	0	20	112	0
Chloromethane	0.402	0.439	-	-9.2	20	128	0
Vinyl chloride	0.29	0.333	-	-14.8	20	129	0
Bromomethane	0.147	0.085	-	42.2*	20	75	0
Chloroethane	0.128	0.188	-	-46.9*	20	150	0
Trichlorofluoromethane	0.323	0.354	-	-9.6	20	121	0
Ethyl ether	0.123	0.123	-	0	20	120	0
1,1-Dichloroethene	0.205	0.213	-	-3.9	20	118	0
Carbon disulfide	0.637	0.658	-	-3.3	20	120	0
Freon-113	0.217	0.23	-	-6	20	117	0
Acrolein	0.044	0.049	-	-11.4	20	145	0
Methylene chloride	0.246	0.244	-	0.8	20	127	0
Acetone	0.092	0.071	-	22.8*	20	98	0
trans-1,2-Dichloroethene	0.22	0.241	-	-9.5	20	129	0
Methyl acetate	0.205	0.202	-	1.5	20	122	0
Methyl tert-butyl ether	0.704	0.698	-	0.9	20	119	0
tert-Butyl alcohol	0.029	0.028	-	3.4	20	118	0
Diisopropyl ether	1.117	1.168	-	-4.6	20	124	0
1,1-Dichloroethane	0.478	0.57	-	-19.2	20	141	0
Halothane	0.169	0.184	-	-8.9	20	125	0
Acrylonitrile	0.095	0.1	-	-5.3	20	129	0
Ethyl tert-butyl ether	0.931	1.054	-	-13.2	20	136	0
Vinyl acetate	0.296	0.637	-	-115.2*	20	321	0
cis-1,2-Dichloroethene	0.254	0.27	-	-6.3	20	129	0
2,2-Dichloropropane	0.323	0.392	-	-21.4*	20	145	0
Bromochloromethane	0.103	0.12	-	-16.5	20	137	0
Cyclohexane	0.567	0.614	-	-8.3	20	122	0
Chloroform	0.404	0.454	-	-12.4	20	131	0
Ethyl acetate	0.301	0.282	-	6.3	20	117	0
Carbon tetrachloride	0.319	0.34	-	-6.6	20	123	0
Tetrahydrofuran	0.096	0.085	-	11.5	20	108	0
Dibromofluoromethane	0.257	0.278	-	-8.2	20	129	0
1,1,1-Trichloroethane	0.371	0.395	-	-6.5	20	124	0
2-Butanone	0.138	0.113	-	18.1	20	100	0
1,1-Dichloropropene	0.328	0.337	-	-2.7	20	119	0
Benzene	0.942	0.991	-	-5.2	20	125	0
tert-Amyl methyl ether	0.714	0.673	-	5.7	20	112	0
1,2-Dichloroethane-d4	0.327	0.352	-	-7.6	20	125	0
1,2-Dichloroethane	0.352	0.409	-	-16.2	20	139	0
Methyl cyclohexane	0.413	0.339	-	17.9	20	91	0
Trichloroethene	0.283	0.259	-	8.5	20	106	0
Dibromomethane	0.138	0.141	-	-2.2	20	126	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770		
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45		
Instrument ID	: GONZO	**Calibration Date**	: 08/24/23 18:38		
Lab File ID	: VG230824N02	**Init. Calib. Date(s)**	: 07/26/23	07/26/23	
Sample No	: WG1820053-2	**Init. Calib. Times**	: 18:49	22:47	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.273	0.322	-	-17.9	20	140	0
Bromodichloromethane	0.322	0.33	-	-2.5	20	123	0
1,4-Dioxane	0.00247	0.00218*	-	11.7	20	109	0
cis-1,3-Dichloropropene	0.396	0.402	-	-1.5	20	124	0
Chlorobenzene-d5	1	1	-	0	20	128	0
Toluene-d8	1.269	1.244	-	2	20	127	0
Toluene	0.693	0.692	-	0.1	20	125	0
4-Methyl-2-pentanone	0.118	0.119	-	-0.8	20	131	0
Tetrachloroethene	0.303	0.3	-	1	20	120	0
trans-1,3-Dichloropropene	0.426	0.395	-	7.3	20	121	0
Ethyl methacrylate	0.347	0.312	-	10.1	20	115	0
1,1,2-Trichloroethane	0.203	0.195*	-	3.9	20	124	0
Chlorodibromomethane	0.272	0.265	-	2.6	20	126	0
1,3-Dichloropropane	0.416	0.395	-	5	20	120	0
1,2-Dibromoethane	0.24	0.227	-	5.4	20	122	0
2-Hexanone	0.25	0.202	-	19.2	20	107	0
Chlorobenzene	0.733	0.754	-	-2.9	20	130	0
Ethylbenzene	1.322	1.322	-	0	20	125	0
1,1,1,2-Tetrachloroethane	0.274	0.278	-	-1.5	20	129	0
p/m Xylene	0.504	0.514	-	-2	20	126	0
o Xylene	0.485	0.496	-	-2.3	20	127	0
Styrene	0.837	0.848	-	-1.3	20	127	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
Bromoform	0.335	0.303	-	9.6	20	124	0
Isopropylbenzene	2.177	2.101	-	3.5	20	123	0
4-Bromofluorobenzene	0.907	0.826	-	8.9	20	123	0
Bromobenzene	0.559	0.58	-	-3.8	20	138	0
n-Propylbenzene	2.593	2.405	-	7.3	20	119	0
1,4-Dichlorobutane	0.954	0.985	-	-3.2	20	138	0
1,1,2,2-Tetrachloroethane	0.46	0.502	-	-9.1	20	150	0
4-Ethyltoluene	2.162	2.068	-	4.3	20	123	0
2-Chlorotoluene	1.596	1.554	-	2.6	20	127	0
1,3,5-Trimethylbenzene	1.884	1.815	-	3.7	20	124	0
1,2,3-Trichloropropane	0.447	0.403	-	9.8	20	122	0
trans-1,4-Dichloro-2-buten	0.193	0.099	-	48.7*	20	71	0
4-Chlorotoluene	1.661	1.6	-	3.7	20	128	0
tert-Butylbenzene	1.512	1.395	-	7.7	20	118	0
1,2,4-Trimethylbenzene	1.807	1.733	-	4.1	20	126	0
sec-Butylbenzene	2.212	1.918	-	13.3	20	109	0
p-Isopropyltoluene	1.868	1.658	-	11.2	20	113	0
1,3-Dichlorobenzene	1.047	0.998	-	4.7	20	125	0
1,4-Dichlorobenzene	1.072	1.022	-	4.7	20	124	0
p-Diethylbenzene	1.086	0.91	-	16.2	20	109	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2348770	
Project Name	: NEW PALTZ PLAZA	**Project Number**	: 2014-45	
Instrument ID	: GONZO	**Calibration Date**	: 08/24/23 18:38	
Lab File ID	: VG230824N02	**Init. Calib. Date(s)**	: 07/26/23	07/26/23
Sample No	: WG1820053-2	**Init. Calib. Times**	: 18:49	22:47
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.514	1.228	-	18.9	20	106	0
1,2-Dichlorobenzene	1.015	0.941	-	7.3	20	122	0
1,2,4,5-Tetramethylbenzene	1.406	1.181	-	16	20	117	0
1,2-Dibromo-3-chloropropan	0.091	0.076	-	16.5	20	118	0
1,3,5-Trichlorobenzene	0.693	0.624	-	10	20	120	0
Hexachlorobutadiene	0.274	0.236	-	13.9	20	112	0
1,2,4-Trichlorobenzene	0.58	0.503	-	13.3	20	118	0
Naphthalene	1.091	0.902	-	17.3	20	118	0
1,2,3-Trichlorobenzene	0.473	0.395*	-	16.5	20	113	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-2
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
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	121	0.00
2	TP	Dichlorodifluoromethane	0.277	0.277	0.0	112	0.00
3	TP	Chloromethane	0.402	0.439	-9.2	128	0.00
4	TC	Vinyl chloride	0.290	0.333	-14.8	129	0.00
5	TP	Bromomethane	0.147	0.085	42.2#	75	0.00
6	TP	Chloroethane	0.128	0.188	-46.9#	150	0.00
7	TP	Trichlorofluoromethane	0.323	0.354	-9.6	121	0.00
8	TP	Ethyl ether	0.123	0.123	0.0	120	0.00
10	TC	1,1-Dichloroethene	0.205	0.213	-3.9	118	0.00
11	TP	Carbon disulfide	0.637	0.658	-3.3	120	0.00
12	TP	Freon-113	0.217	0.230	-6.0	117	0.00
14	TP	Acrolein	0.044	0.049	-11.4	145	0.00
15	TP	Methylene chloride	0.246	0.244	0.8	127	0.00
17	TP	Acetone	0.092	0.071	22.8#	98	0.00
18	TP	trans-1,2-Dichloroethene	0.220	0.241	-9.5	129	0.00
19	TP	Methyl acetate	0.205	0.202	1.5	122	0.00
20	TP	Methyl tert-butyl ether	0.704	0.698	0.9	119	0.00
21	TP	tert-Butyl alcohol	0.029	0.028	3.4	118	0.00
22	TP	Diisopropyl ether	1.117	1.168	-4.6	124	0.00
23	TP	1,1-Dichloroethane	0.478	0.570	-19.2	141	0.00
24	TP	Halothane	0.169	0.184	-8.9	125	0.00
25	TP	Acrylonitrile	0.095	0.100	-5.3	129	0.00
26	TP	Ethyl tert-butyl ether	0.931	1.054	-13.2	136	0.00
27	TP	Vinyl acetate	0.296	0.637	-115.2#	321#	0.00
28	TP	cis-1,2-Dichloroethene	0.254	0.270	-6.3	129	0.00
29	TP	2,2-Dichloropropane	0.323	0.392	-21.4#	145	0.00
30	TP	Bromochloromethane	0.103	0.120	-16.5	137	0.00
31	TP	Cyclohexane	0.567	0.614	-8.3	122	0.00
32	TC	Chloroform	0.404	0.454	-12.4	131	0.00
33	TP	Ethyl acetate	0.301	0.282	6.3	117	0.00
34	TP	Carbon tetrachloride	0.319	0.340	-6.6	123	0.00
35	TP	Tetrahydrofuran	0.096	0.085	11.5	108	0.00
36	S	Dibromofluoromethane	0.257	0.278	-8.2	129	0.00
37	TP	1,1,1-Trichloroethane	0.371	0.395	-6.5	124	0.00
39	TP	2-Butanone	0.138	0.113	18.1	100	0.00
40	TP	1,1-Dichloropropene	0.328	0.337	-2.7	119	0.00
41	TP	Benzene	0.942	0.991	-5.2	125	0.00
42	TP	tert-Amyl methyl ether	0.714	0.673	5.7	112	0.00
43	S	1,2-Dichloroethane-d4	0.327	0.352	-7.6	125	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-2
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.352	0.409	-16.2	139	0.00
47	TP	Methyl cyclohexane	0.413	0.339	17.9	91	0.00
48	TP	Trichloroethene	0.283	0.259	8.5	106	0.00
50	TP	Dibromomethane	0.138	0.141	-2.2	126	0.00
51	TC	1,2-Dichloropropane	0.273	0.322	-17.9	140	0.00
54	TP	Bromodichloromethane	0.322	0.330	-2.5	123	0.00
57	TP	1,4-Dioxane	0.00247	0.00218#	11.7	109	0.00
58	TP	cis-1,3-Dichloropropene	0.396	0.402	-1.5	124	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	128	0.00
60	S	Toluene-d8	1.269	1.244	2.0	127	0.00
61	TC	Toluene	0.693	0.692	0.1	125	0.00
62	TP	4-Methyl-2-pentanone	0.118	0.119	-0.8	131	0.00
63	TP	Tetrachloroethene	0.303	0.300	1.0	120	0.00
65	TP	trans-1,3-Dichloropropene	0.426	0.395	7.3	121	0.00
67	TP	Ethyl methacrylate	0.347	0.312	10.1	115	0.00
68	TP	1,1,2-Trichloroethane	0.203	0.195#	3.9	124	0.00
69	TP	Chlorodibromomethane	0.272	0.265	2.6	126	0.00
70	TP	1,3-Dichloropropane	0.416	0.395	5.0	120	0.00
71	TP	1,2-Dibromoethane	0.240	0.227	5.4	122	0.00
72	TP	2-Hexanone	0.250	0.202	19.2	107	0.00
73	TP	Chlorobenzene	0.733	0.754	-2.9	130	0.00
74	TC	Ethylbenzene	1.322	1.322	0.0	125	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.274	0.278	-1.5	129	0.00
76	TP	p/m Xylene	0.504	0.514	-2.0	126	0.00
77	TP	o Xylene	0.485	0.496	-2.3	127	0.00
78	TP	Styrene	0.837	0.848	-1.3	127	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	133	0.00
80	TP	Bromoform	0.335	0.303	9.6	124	0.00
82	TP	Isopropylbenzene	2.177	2.101	3.5	123	0.00
83	S	4-Bromofluorobenzene	0.907	0.826	8.9	123	0.00
84	TP	Bromobenzene	0.559	0.580	-3.8	138	0.00
85	TP	n-Propylbenzene	2.593	2.405	7.3	119	0.00
86	TP	1,4-Dichlorobutane	0.954	0.985	-3.2	138	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.460	0.502	-9.1	150	0.00
88	TP	4-Ethyltoluene	2.162	2.068	4.3	123	0.00
89	TP	2-Chlorotoluene	1.596	1.554	2.6	127	0.00
90	TP	1,3,5-Trimethylbenzene	1.884	1.815	3.7	124	0.00

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-2
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.447	0.403	9.8	122	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.193	0.099	48.7#	71	0.00
93 TP	4-Chlorotoluene	1.661	1.600	3.7	128	0.00
94 TP	tert-Butylbenzene	1.512	1.395	7.7	118	0.00
97 TP	1,2,4-Trimethylbenzene	1.807	1.733	4.1	126	0.00
98 TP	sec-Butylbenzene	2.212	1.918	13.3	109	0.00
99 TP	p-Isopropyltoluene	1.868	1.658	11.2	113	0.00
100 TP	1,3-Dichlorobenzene	1.047	0.998	4.7	125	0.00
101 TP	1,4-Dichlorobenzene	1.072	1.022	4.7	124	0.00
102 TP	p-Diethylbenzene	1.086	0.910	16.2	109	0.00
103 TP	n-Butylbenzene	1.514	1.228	18.9	106	0.00
104 TP	1,2-Dichlorobenzene	1.015	0.941	7.3	122	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.406	1.181	16.0	117	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.091	0.076	16.5	118	0.00
107 TP	1,3,5-Trichlorobenzene	0.693	0.624	10.0	120	0.00
108 TP	Hexachlorobutadiene	0.274	0.236	13.9	112	0.00
109 TP	1,2,4-Trichlorobenzene	0.580	0.503	13.3	118	0.00
110 TP	Naphthalene	1.091	0.902	17.3	118	0.00
111 TP	1,2,3-Trichlorobenzene	0.473	0.395#	16.5	113	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-2
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	611548	10.000	ug/L	0.00
Standard Area 1 = 611548			Recovery = 100.00%			
59) Chlorobenzene-d5	9.686	117	553536	10.000	ug/L	0.00
Standard Area 1 = 553536			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.360	152	332996	10.000	ug/L	0.00
Standard Area 1 = 332996			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	170095	10.840	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.40%			
43) 1,2-Dichloroethane-d4	5.858	65	215286	10.773	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.73%			
60) Toluene-d8	7.829	98	688849	9.809	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.09%			
83) 4-Bromofluorobenzene	11.159	95	275165	9.114	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.695	85	169146	9.974	ug/L	97
3) Chloromethane	1.908	50	268676	10.933	ug/L	97
4) Vinyl chloride	1.968	62	203358	11.485	ug/L	97
5) Bromomethane	2.288	94	52039	5.793	ug/L	100
6) Chloroethane	2.401	64	115144	14.682	ug/L	89
7) Trichlorofluoromethane	2.546	101	216653	10.970	ug/L	96
8) Ethyl ether	2.850	74	75196	10.027	ug/L #	44
10) 1,1-Dichloroethene	3.055	96	130512	10.428	ug/L #	57
11) Carbon disulfide	3.085	76	402501	10.335	ug/L	98
12) Freon-113	3.085	101	140404	10.560	ug/L #	76
14) Acrolein	3.381	56	30159	11.098	ug/L	97
15) Methylene chloride	3.617	84	149238	9.911	ug/L #	55
17) Acetone	3.663	43	43273	7.698	ug/L #	83
18) trans-1,2-Dichloroethene	3.769	96	147209	10.965	ug/L #	71
19) Methyl acetate	3.777	43	123655	9.856	ug/L #	86
20) Methyl tert-butyl ether	3.853	73	426596	9.907	ug/L #	81
21) tert-Butyl alcohol	3.951	59	85301	47.750	ug/L #	85
22) Diisopropyl ether	4.217	45	714075	10.457	ug/L #	88
23) 1,1-Dichloroethane	4.362	63	348578	11.929	ug/L	96
24) Halothane	4.407	117	112486	10.891	ug/L	98
25) Acrylonitrile	4.407	53	60927	10.496	ug/L	95

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-2
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.567	59	644828	11.323	ug/L		91
27) Vinyl acetate	4.589	43	389394	21.509	ug/L	#	94
28) cis-1,2-Dichloroethene	4.886	96	165049	10.623	ug/L	#	73
29) 2,2-Dichloropropane	4.977	77	239951	12.162	ug/L		95
30) Bromochloromethane	5.076	128	73634	11.669	ug/L	#	56
31) Cyclohexane	5.068	56	375408	10.819	ug/L	#	58
32) Chloroform	5.152	83	277510	11.246	ug/L		96
33) Ethyl acetate	5.250	43	172617	9.387	ug/L	#	94
34) Carbon tetrachloride	5.281	117	207695	10.650	ug/L		98
35) Tetrahydrofuran	5.296	42	51783	8.840	ug/L	#	82
37) 1,1,1-Trichloroethane	5.342	97	241588	10.654	ug/L		92
39) 2-Butanone	5.440	43	68912	8.150	ug/L	#	69
40) 1,1-Dichloropropene	5.471	75	206242	10.274	ug/L		97
41) Benzene	5.714	78	606180	10.521	ug/L	#	86
42) tert-Amyl methyl ether	5.813	73	411721	9.431	ug/L	#	87
44) 1,2-Dichloroethane	5.927	62	249960	11.614	ug/L		98
47) Methyl cyclohexane	6.299	83	207525	8.222	ug/L	#	39
48) Trichloroethene	6.314	95	158125	9.130	ug/L		97
50) Dibromomethane	6.762	93	86475	10.276	ug/L		96
51) 1,2-Dichloropropane	6.861	63	196997	11.782	ug/L	#	92
54) Bromodichloromethane	6.937	83	202034	10.265	ug/L		100
57) 1,4-Dioxane	7.149	88	66678	442.262	ug/L	#	62
58) cis-1,3-Dichloropropene	7.629	75	245640	10.139	ug/L		91
61) Toluene	7.894	92	383049	9.980	ug/L		100
62) 4-Methyl-2-pentanone	8.331	58	65958	10.067	ug/L	#	96
63) Tetrachloroethene	8.338	166	166144	9.898	ug/L		96
65) trans-1,3-Dichloropropene	8.381	75	218390	9.259	ug/L		98
67) Ethyl methacrylate	8.560	69	172838	9.008	ug/L		99
68) 1,1,2-Trichloroethane	8.567	83	107722	9.568	ug/L		98
69) Chlorodibromomethane	8.782	129	146948	9.768	ug/L		99
70) 1,3-Dichloropropane	8.889	76	218829	9.494	ug/L		100
71) 1,2-Dibromoethane	9.061	107	125739	9.482	ug/L		99
72) 2-Hexanone	9.341	43	111973	8.092	ug/L		100
73) Chlorobenzene	9.703	112	417261	10.282	ug/L		95
74) Ethylbenzene	9.736	91	731743	10.000	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.785	131	154042	10.146	ug/L		98
76) p/m Xylene	9.925	106	569272	20.393	ug/L		95
77) o Xylene	10.460	106	549260	20.451	ug/L		93
78) Styrene	10.525	104	938428	20.245	ug/L		94
80) Bromoform	10.558	173	100857	9.033	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-2
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	10.830	105	699462	9.650	ug/L		98
84) Bromobenzene	11.274	156	193180	10.375	ug/L		98
85) n-Propylbenzene	11.307	91	800912	9.276	ug/L		97
86) 1,4-Dichlorobutane	11.332	55	327991	10.328	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.406	83	167162	10.905	ug/L		99
88) 4-Ethyltoluene	11.430	105	688631	9.567	ug/L		97
89) 2-Chlorotoluene	11.480	91	517429M6	9.738	ug/L		
90) 1,3,5-Trimethylbenzene	11.529	105	604547	9.636	ug/L		96
91) 1,2,3-Trichloropropane	11.545	75	134228	9.018	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.595	53	33127	5.147	ug/L	#	84
93) 4-Chlorotoluene	11.661	91	532853	9.632	ug/L		97
94) tert-Butylbenzene	11.866	119	464595	9.228	ug/L		95
97) 1,2,4-Trimethylbenzene	11.949	105	577181	9.590	ug/L		97
98) sec-Butylbenzene	12.055	105	638564	8.670	ug/L		99
99) p-Isopropyltoluene	12.204	119	552147	8.876	ug/L		98
100) 1,3-Dichlorobenzene	12.286	146	332448	9.538	ug/L		97
101) 1,4-Dichlorobenzene	12.376	146	340399	9.538	ug/L		97
102) p-Diethylbenzene	12.574	119	303160	8.383	ug/L		96
103) n-Butylbenzene	12.640	91	408815	8.110	ug/L		99
104) 1,2-Dichlorobenzene	12.796	146	313340	9.268	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.363	119	393400	8.401	ug/L		95
106) 1,2-Dibromo-3-chloropr...	13.577	155	25290	8.344	ug/L		93
107) 1,3,5-Trichlorobenzene	13.602	180	207767	9.008	ug/L		98
108) Hexachlorobutadiene	14.161	225	78662	8.617	ug/L		99
109) 1,2,4-Trichlorobenzene	14.194	180	167609	8.683	ug/L		98
110) Naphthalene	14.490	128	300214	8.266	ug/L		100
111) 1,2,3-Trichlorobenzene	14.655	180	131621	8.353	ug/L		99

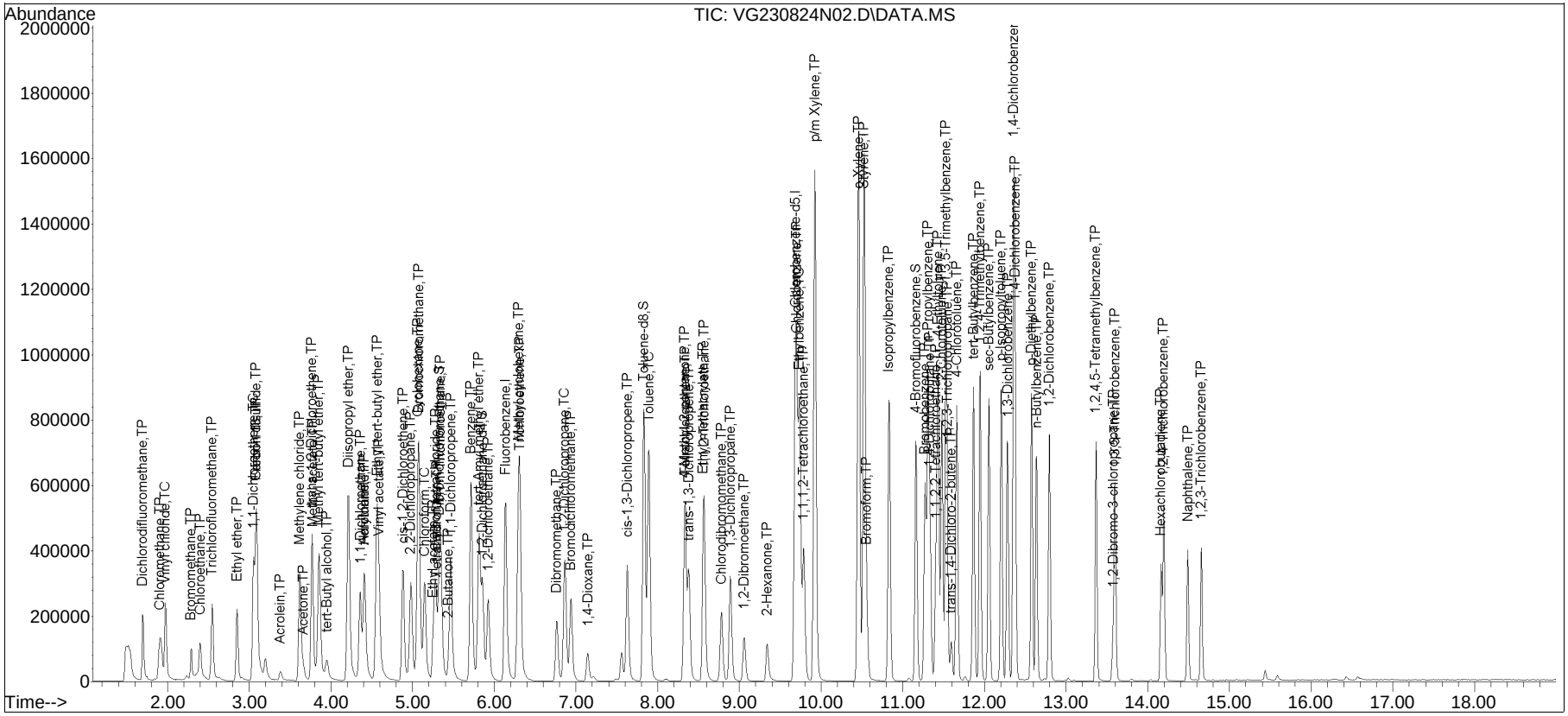
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-2
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

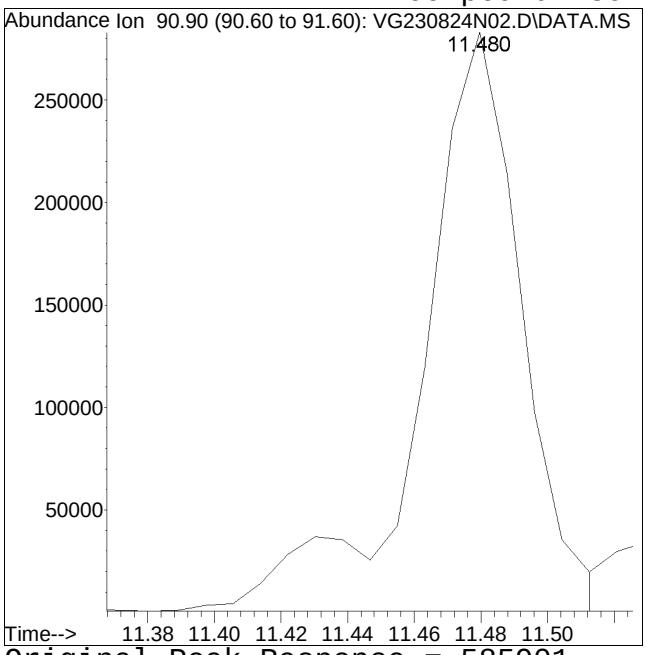
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



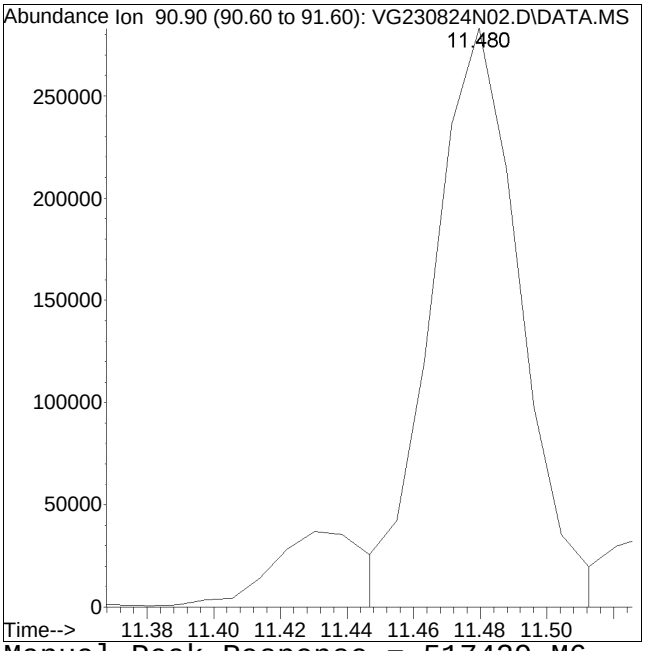
Manual Integration Report

Data Path	: K:\Gonzo\2023\230824N\	QMethod	: G_230726N_8260.m
Data File	: VG230824N02.D	Operator	: GONZO:TMS
Date Inj'd	: 8/24/2023 6:38 pm	Instrument	: Gonzo
Sample	: WG1820053-2	Quant Date	: 8/24/2023 7:14 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 585901



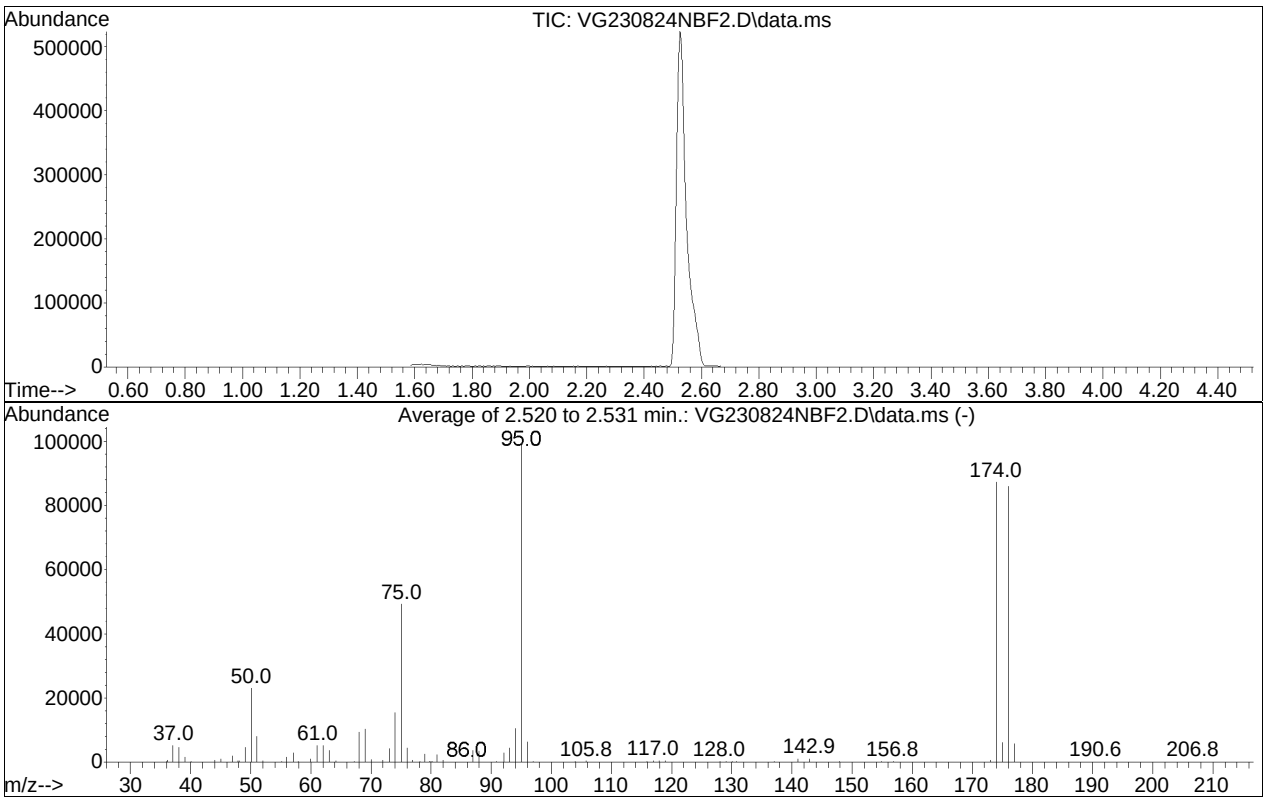
Manual Peak Response = 517429 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824NBF2.D
Acq On : 24 Aug 2023 5:55 pm
Operator : GONZO:TMS
Sample : WG1820053-1
Misc : WG1820053,ICAL20208
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Jul 27 11:43:17 2023



Spectrum Information: Average of 2.520 to 2.531 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	23099	PASS
75	95	30	60	49.6	49405	PASS
95	95	100	100	100.0	99592	PASS
96	95	5	9	6.4	6331	PASS
173	174	0.00	2	0.7	604	PASS
174	95	50	100	87.7	87336	PASS
175	174	5	9	7.1	6171	PASS
176	174	95	101	98.4	85973	PASS
177	176	5	9	6.6	5683	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N05.D
Acq On : 24 Aug 2023 7:49 pm
Operator : GONZO:TMS
Sample : WG1820053-5,31,10,10
Misc : WG1820053,ICAL20208
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 21:46:15 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	568695	10.000	ug/L	0.00
Standard Area 1 = 611548			Recovery = 92.99%			
59) Chlorobenzene-d5	9.686	117	528104	10.000	ug/L	0.00
Standard Area 1 = 553536			Recovery = 95.41%			
79) 1,4-Dichlorobenzene-d4	12.360	152	320065	10.000	ug/L	0.00
Standard Area 1 = 332996			Recovery = 96.12%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.327	113	161305	11.054	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.54%			
43) 1,2-Dichloroethane-d4	5.858	65	217484	11.703	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.03%			
60) Toluene-d8	7.836	98	652625	9.740	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.40%			
83) 4-Bromofluorobenzene	11.167	95	264931	9.129	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.29%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.923	50	966	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.288	94	992	0.119	ug/L #	69
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	3.085	76	1995	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.610	84	455	N.D.		
17) Acetone	3.670	43	1245	0.238	ug/L	90
18) trans-1,2-Dichloroethene	3.777	96	355	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N05.D
Acq On : 24 Aug 2023 7:49 pm
Operator : GONZO:TMS
Sample : WG1820053-5,31,10,10
Misc : WG1820053,ICAL20208
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 21:46:15 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.	d	
41) Benzene	0.000		0	N.D.	d	
44) 1,2-Dichloroethane	5.934	62	437	N.D.		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.	d	
51) 1,2-Dichloropropane	0.000		0	N.D.	d	
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
61) Toluene	0.000		0	N.D.	d	
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.	d	
73) Chlorobenzene	9.711	112	93	N.D.		
74) Ethylbenzene	9.752	91	1523	N.D.		
76) p/m Xylene	0.000		0	N.D.	d	
77) o Xylene	0.000		0	N.D.	d	
78) Styrene	0.000		0	N.D.	d	
80) Bromoform	0.000		0	N.D.	d	
82) Isopropylbenzene	0.000		0	N.D.	d	
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
100) 1,3-Dichlorobenzene	12.294	146	733	N.D.		
101) 1,4-Dichlorobenzene	12.376	146	929	N.D.		
104) 1,2-Dichlorobenzene	12.821	146	733	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.211	180	1533	0.083	ug/L #	86
111) 1,2,3-Trichlorobenzene	14.663	180	2431	0.161	ug/L	94

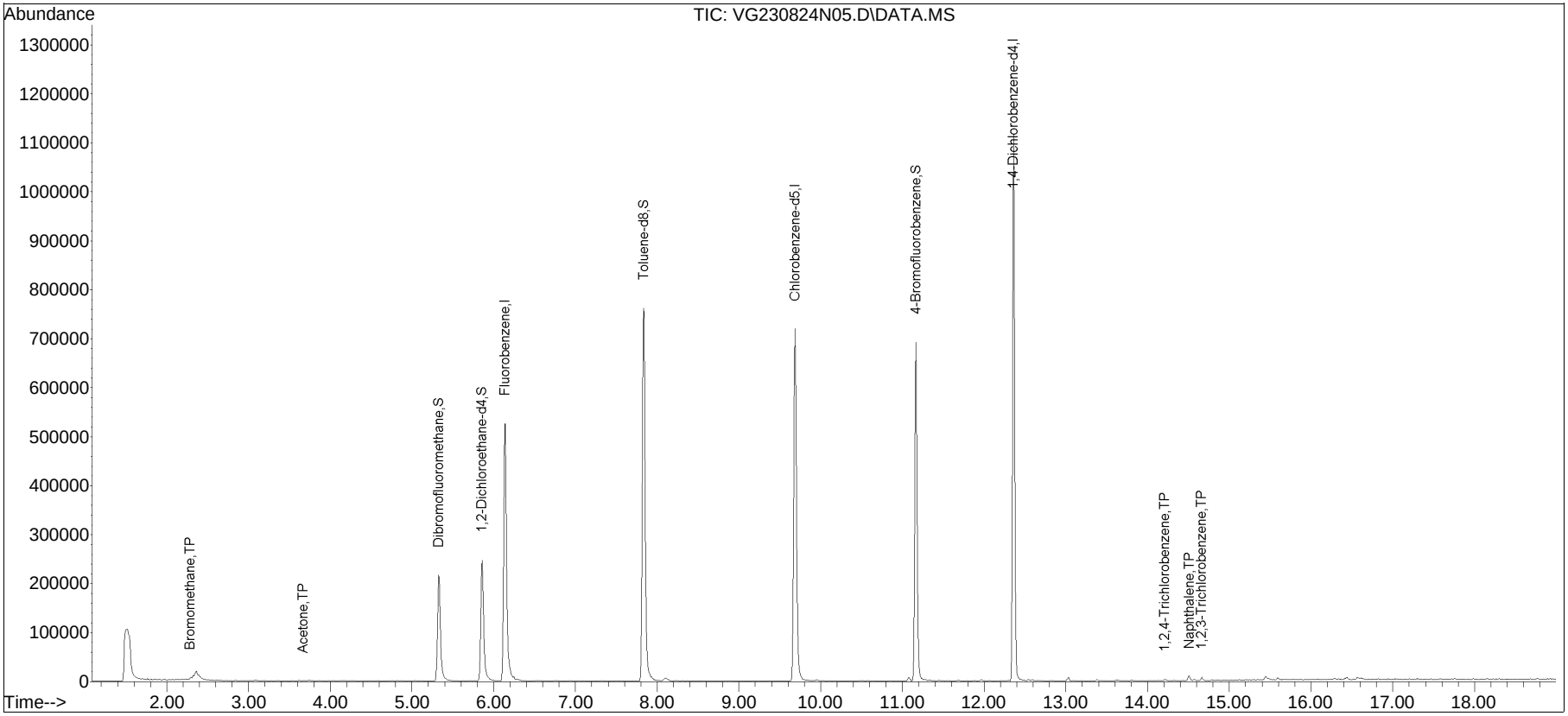
(#) = qualifier out of range (m) = manual integration (+) = signals summed

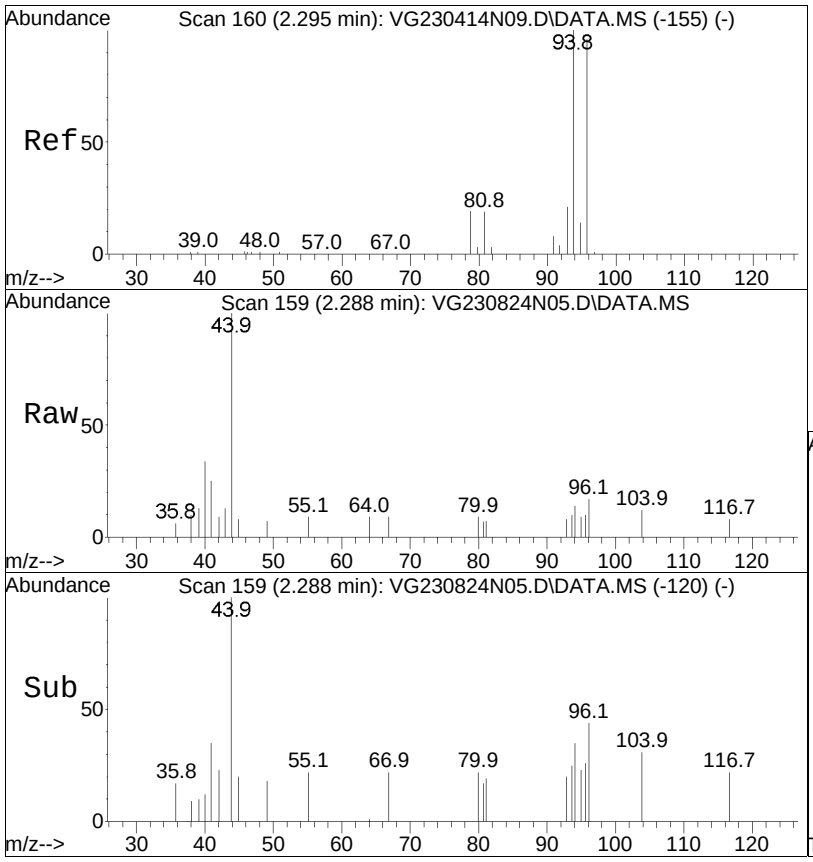
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N05.D
Acq On : 24 Aug 2023 7:49 pm
Operator : GONZO:TMS
Sample : WG1820053-5,31,10,10
Misc : WG1820053,ICAL20208
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 24 21:46:15 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

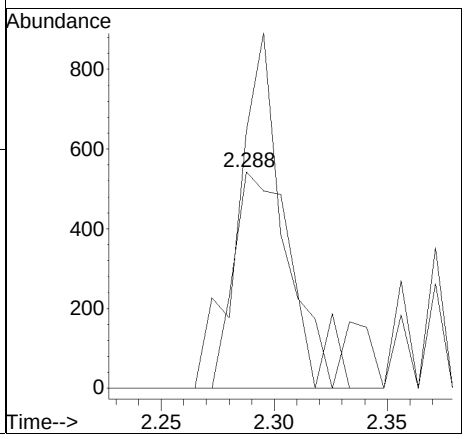


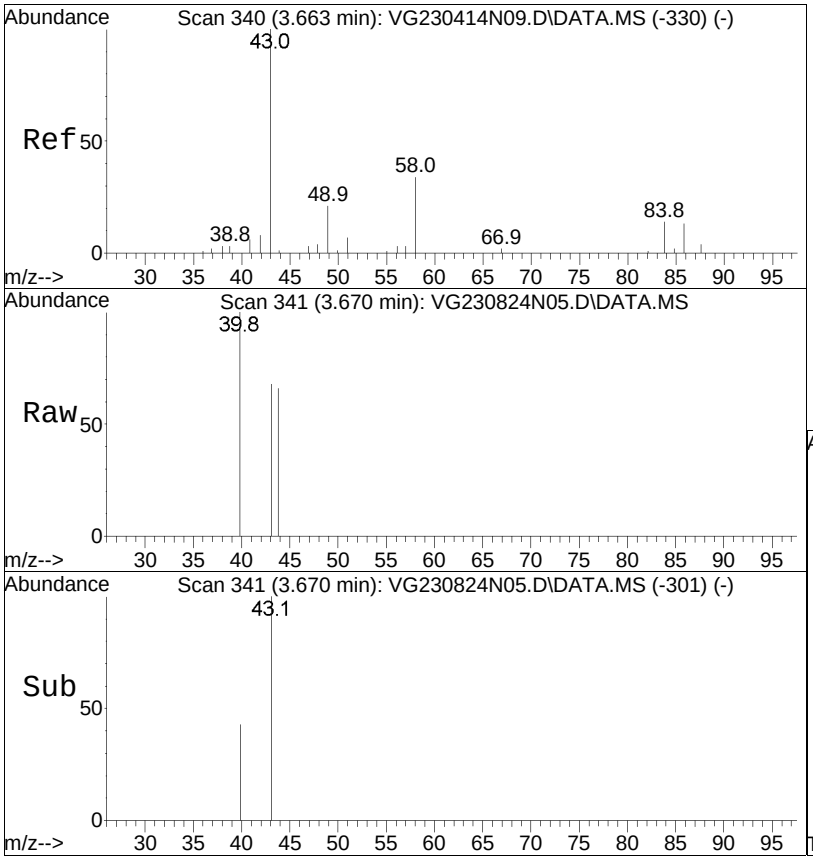


#5
Bromomethane
Concen: 0.12 ug/L
RT: 2.288 min Scan# 159
Delta R.T. -0.000 min
Lab File: VG230824N05.D
Acq: 24 Aug 2023 7:49 pm

Tgt Ion: 94 Resp: 992

Ion	Ratio	Lower	Upper
94	100		
96	125.2	75.2	115.2#

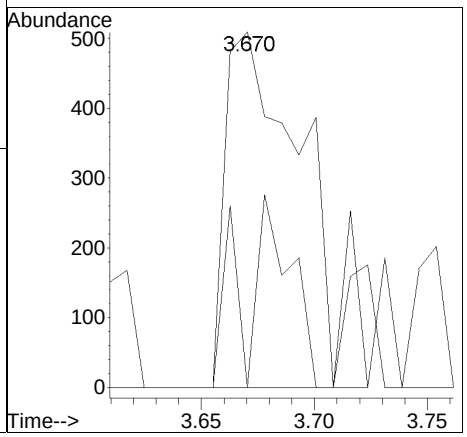


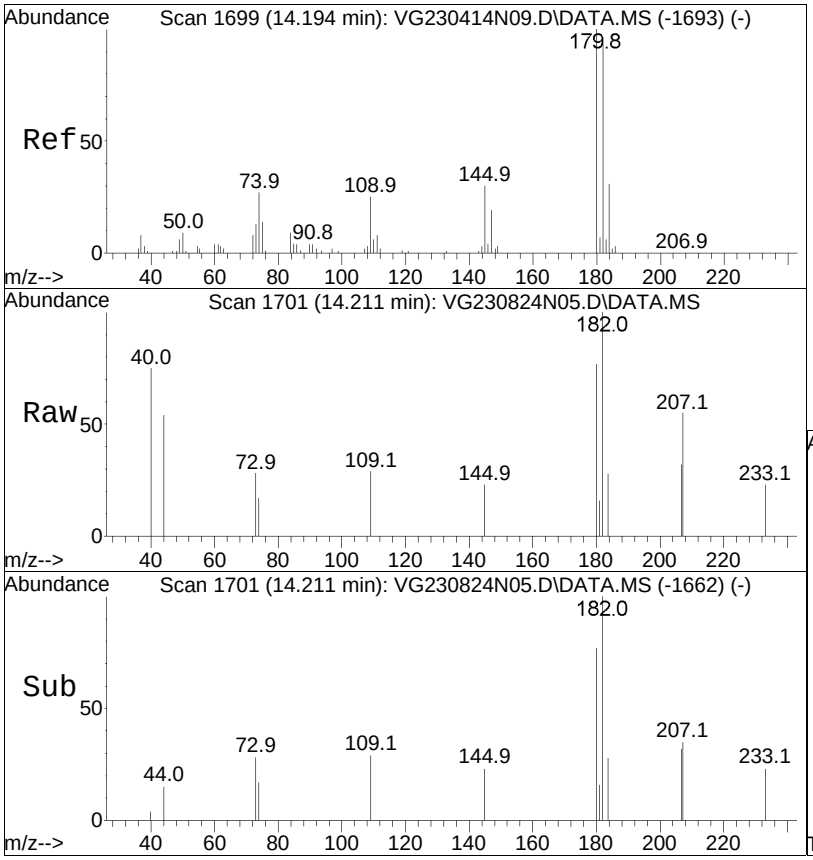


#17
Acetone
Concen: 0.24 ug/L
RT: 3.670 min Scan# 341
Delta R.T. 0.007 min
Lab File: VG230824N05.D
Acq: 24 Aug 2023 7:49 pm

Tgt Ion: 43 Resp: 1245

Ion	Ratio	Lower	Upper
43	100		
58	22.8	22.2	33.4

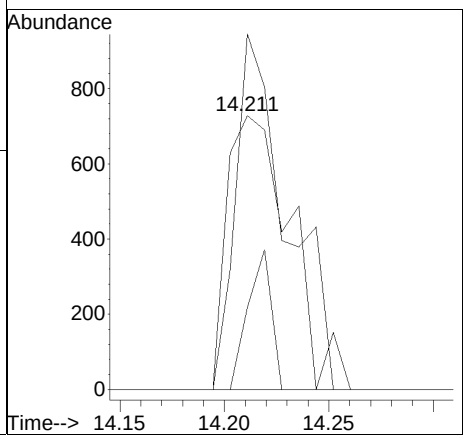


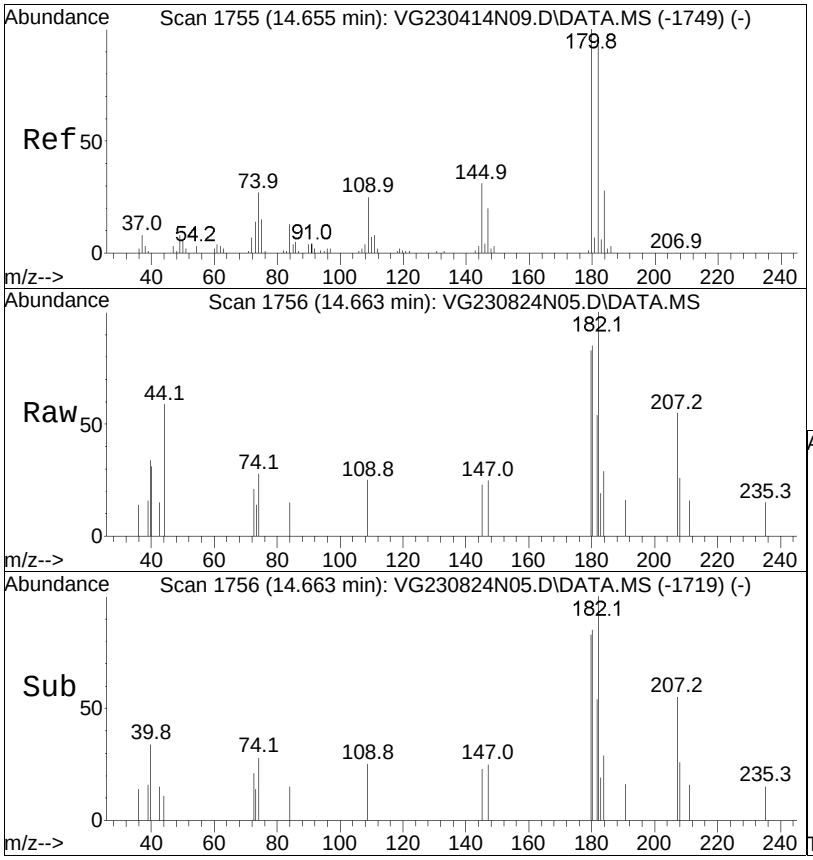


#109
1,2,4-Trichlorobenzene
Concen: 0.08 ug/L
RT: 14.211 min Scan# 1701
Delta R.T. 0.017 min
Lab File: VG230824N05.D
Acq: 24 Aug 2023 7:49 pm

Tgt Ion:180 Resp: 1533

Ion	Ratio	Lower	Upper
180	100		
182	105.4	76.7	115.1
145	19.0	26.5	39.7#

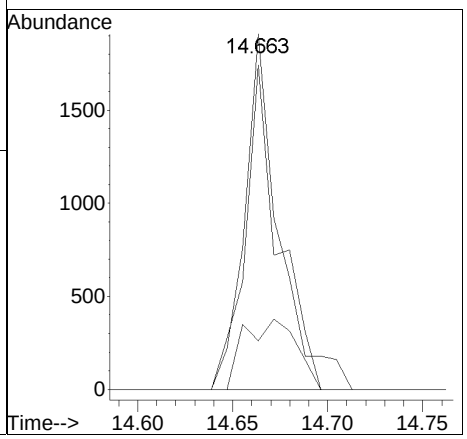




#111
1,2,3-Trichlorobenzene
Concen: 0.16 ug/L
RT: 14.663 min Scan# 1756
Delta R.T. 0.008 min
Lab File: VG230824N05.D
Acq: 24 Aug 2023 7:49 pm

Tgt Ion:180 Resp: 2431

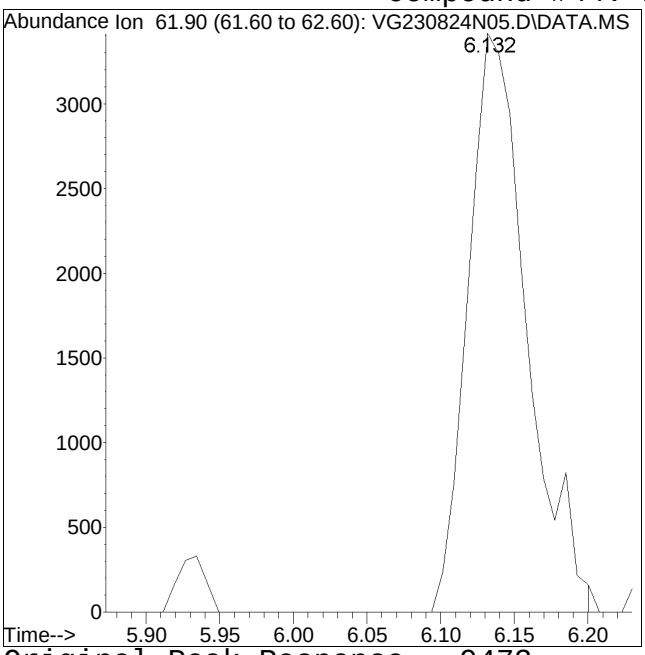
Ion	Ratio	Lower	Upper
180	100		
182	88.9	77.0	115.4
145	29.7	24.1	36.1



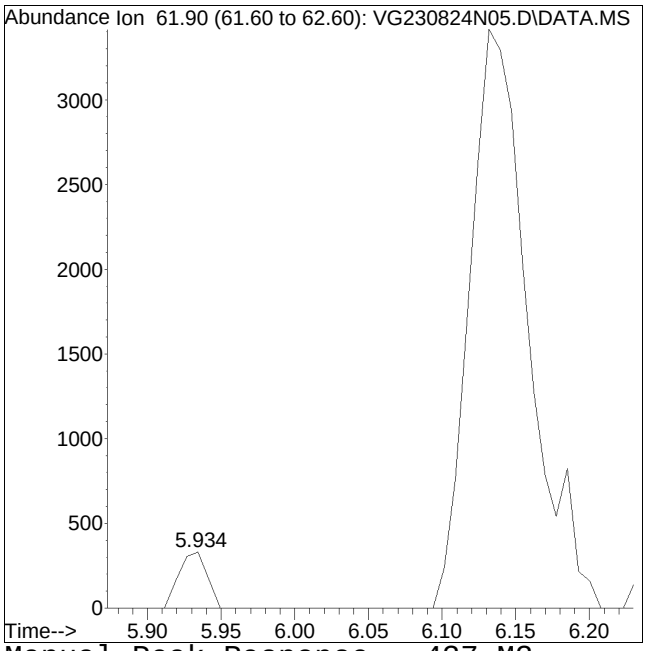
Manual Integration Report

Data Path	: K:\Gonzo\2023\230824N\	QMethod	: G_230726N_8260.m
Data File	: VG230824N05.D	Operator	: GONZO:TMS
Date Inj'd	: 8/24/2023 7:49 pm	Instrument	: Gonzo
Sample	: WG1820053-5,31,10,10	Quant Date	: 8/24/2023 9:42 pm

Compound #44: 1,2-Dichloroethane



Original Peak Response = 9473



Manual Peak Response = 437 M3

M3 = 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:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-3,31,10,10
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	611548	10.000	ug/L	0.00
Standard Area 1 = 611548			Recovery = 100.00%			
59) Chlorobenzene-d5	9.686	117	553536	10.000	ug/L	0.00
Standard Area 1 = 553536			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.360	152	332996	10.000	ug/L	0.00
Standard Area 1 = 332996			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	170095	10.840	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.40%			
43) 1,2-Dichloroethane-d4	5.858	65	215286	10.773	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.73%			
60) Toluene-d8	7.829	98	688849	9.809	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.09%			
83) 4-Bromofluorobenzene	11.159	95	275165	9.114	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.695	85	169146	9.974	ug/L	97
3) Chloromethane	1.908	50	268676	10.933	ug/L	97
4) Vinyl chloride	1.968	62	203358	11.485	ug/L	97
5) Bromomethane	2.288	94	52039	5.793	ug/L	100
6) Chloroethane	2.401	64	115144	14.682	ug/L	89
7) Trichlorofluoromethane	2.546	101	216653	10.970	ug/L	96
10) 1,1-Dichloroethene	3.055	96	130512	10.428	ug/L #	57
11) Carbon disulfide	3.085	76	402501	10.335	ug/L	98
12) Freon-113	3.085	101	140404	10.560	ug/L #	76
15) Methylene chloride	3.617	84	149238	9.911	ug/L #	55
17) Acetone	3.663	43	43273	7.698	ug/L #	83
18) trans-1,2-Dichloroethene	3.769	96	147209	10.965	ug/L #	71
19) Methyl acetate	3.777	43	123655	9.856	ug/L #	86
20) Methyl tert-butyl ether	3.853	73	426596	9.907	ug/L #	81
23) 1,1-Dichloroethane	4.362	63	348578	11.929	ug/L	96
28) cis-1,2-Dichloroethene	4.886	96	165049	10.623	ug/L #	73
30) Bromochloromethane	5.076	128	73634	11.669	ug/L #	56
31) Cyclohexane	5.068	56	375408	10.819	ug/L #	58
32) Chloroform	5.152	83	277510	11.246	ug/L	96
34) Carbon tetrachloride	5.281	117	207695	10.650	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-3,31,10,10
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	5.342	97	241588	10.654	ug/L		92
39) 2-Butanone	5.440	43	68912	8.150	ug/L	#	69
41) Benzene	5.714	78	606180	10.521	ug/L	#	86
44) 1,2-Dichloroethane	5.927	62	249960	11.614	ug/L		98
47) Methyl cyclohexane	6.299	83	207525	8.222	ug/L	#	39
48) Trichloroethene	6.314	95	158125	9.130	ug/L		97
51) 1,2-Dichloropropane	6.861	63	196997	11.782	ug/L	#	92
54) Bromodichloromethane	6.937	83	202034	10.265	ug/L		100
57) 1,4-Dioxane	7.149	88	66678	442.262	ug/L	#	62
58) cis-1,3-Dichloropropene	7.629	75	245640	10.139	ug/L		91
61) Toluene	7.894	92	383049	9.980	ug/L		100
62) 4-Methyl-2-pentanone	8.331	58	65958	10.067	ug/L	#	96
63) Tetrachloroethene	8.338	166	166144	9.898	ug/L		96
65) trans-1,3-Dichloropropene	8.381	75	218390	9.259	ug/L		98
68) 1,1,2-Trichloroethane	8.567	83	107722	9.568	ug/L		98
69) Chlorodibromomethane	8.782	129	146948	9.768	ug/L		99
71) 1,2-Dibromoethane	9.061	107	125739	9.482	ug/L		99
72) 2-Hexanone	9.341	43	111973	8.092	ug/L		100
73) Chlorobenzene	9.703	112	417261	10.282	ug/L		95
74) Ethylbenzene	9.736	91	731743	10.000	ug/L		98
76) p/m Xylene	9.925	106	569272	20.393	ug/L		95
77) o Xylene	10.460	106	549260	20.451	ug/L		93
78) Styrene	10.525	104	938428	20.245	ug/L		94
80) Bromoform	10.558	173	100857	9.033	ug/L		98
82) Isopropylbenzene	10.830	105	699462	9.650	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.406	83	167162	10.905	ug/L		99
100) 1,3-Dichlorobenzene	12.286	146	332448	9.538	ug/L		97
101) 1,4-Dichlorobenzene	12.376	146	340399	9.538	ug/L		97
104) 1,2-Dichlorobenzene	12.796	146	313340	9.268	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.577	155	25290	8.344	ug/L		93
109) 1,2,4-Trichlorobenzene	14.194	180	167609	8.683	ug/L		98
111) 1,2,3-Trichlorobenzene	14.655	180	131621	8.353	ug/L		99

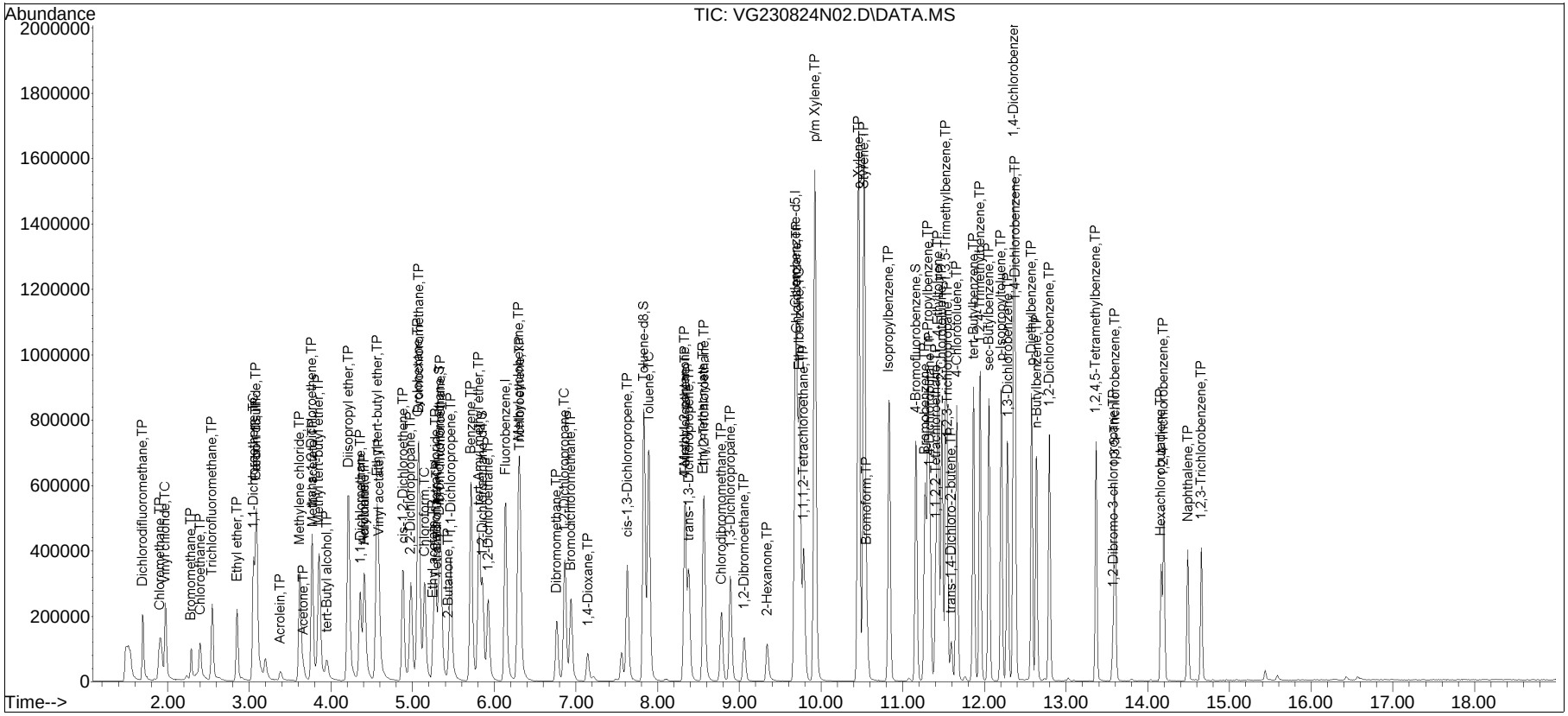
(#) = qualifier out of range (m) = manual integration (+) = signals summed

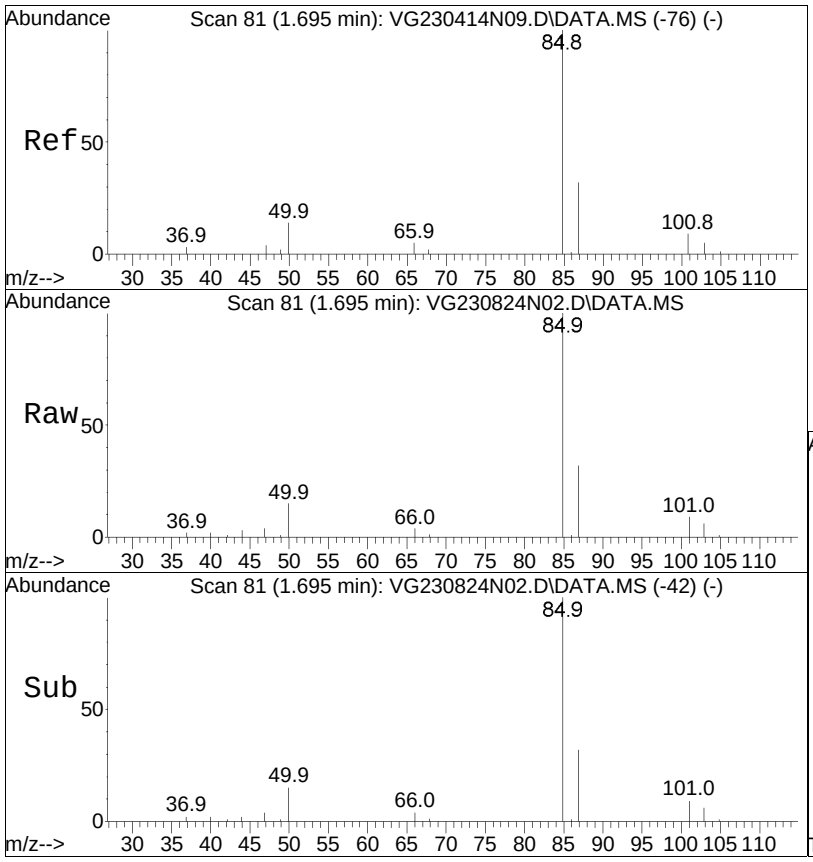
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N02.D
Acq On : 24 Aug 2023 6:38 pm
Operator : GONZO:TMS
Sample : WG1820053-3,31,10,10
Misc : WG1820053,ICAL20208
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 24 19:17:19 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

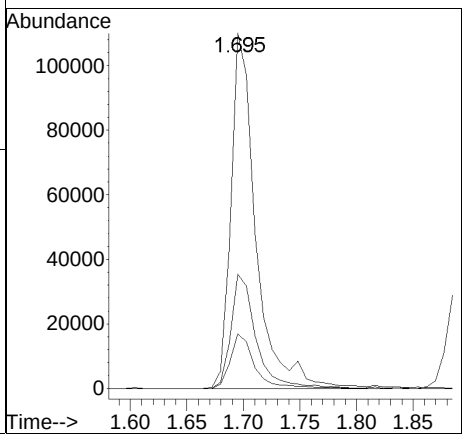


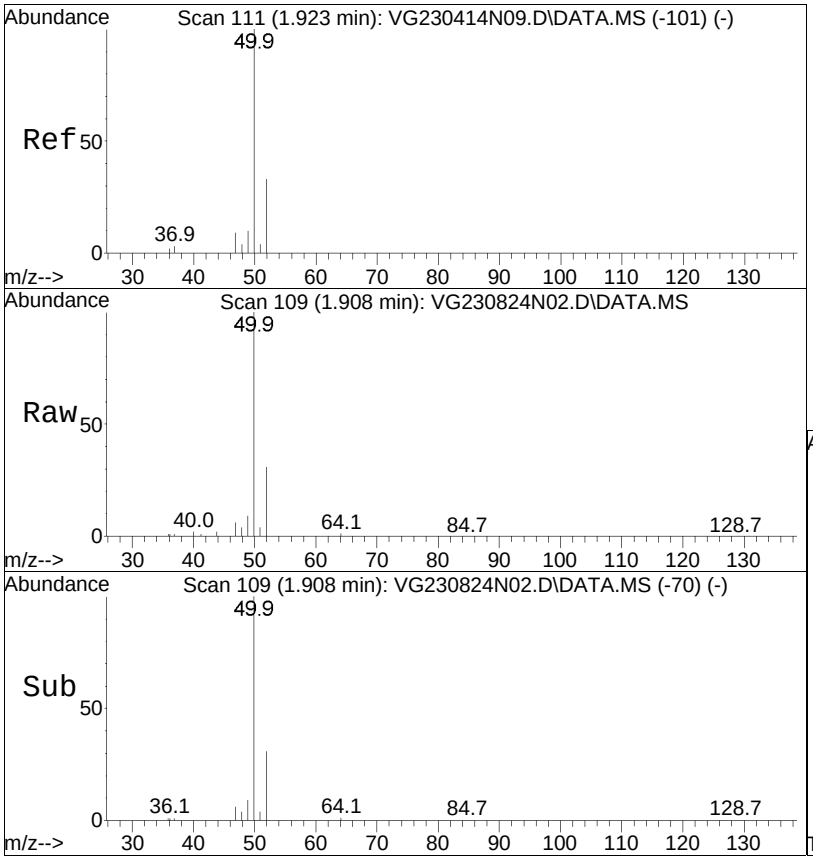


#2
Dichlorodifluoromethane
Concen: 9.97 ug/L
RT: 1.695 min Scan# 81
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 85 Resp: 169146

Ion	Ratio	Lower	Upper
85	100		
87	32.2	20.7	42.9
50	15.0	7.5	15.5

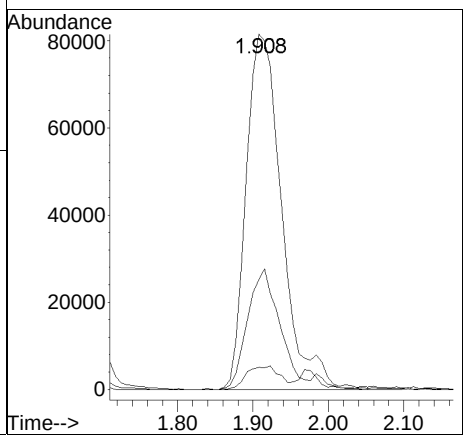


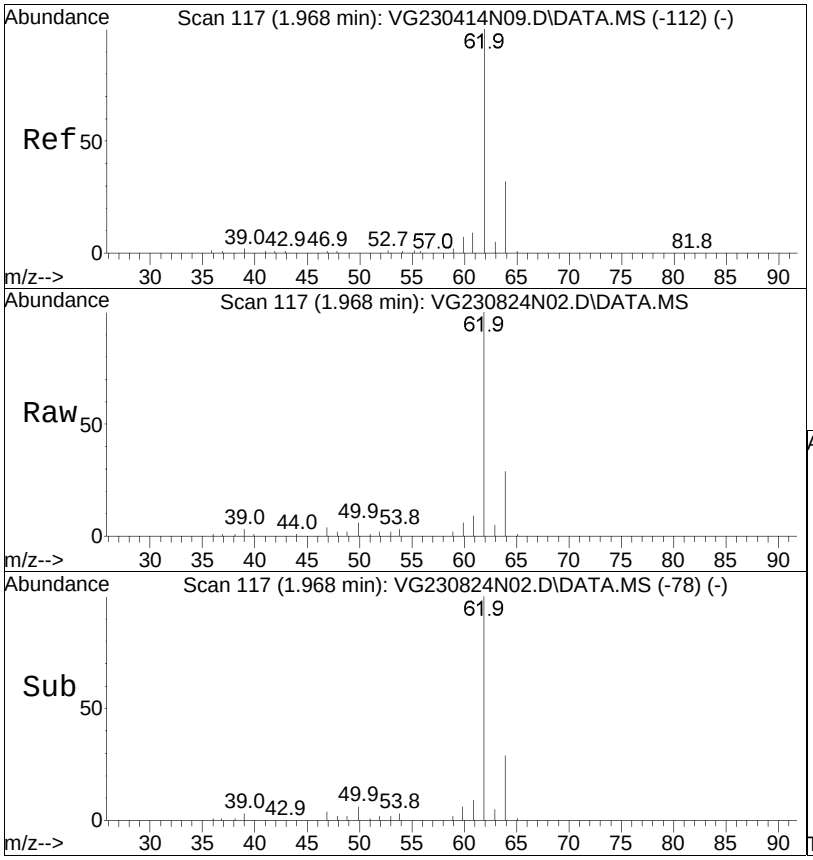


#3
Chloromethane
Concen: 10.93 ug/L
RT: 1.908 min Scan# 109
Delta R.T. -0.007 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 50 Resp: 268676

Ion	Ratio	Lower	Upper
50	100		
52	30.7	11.7	51.7
47	6.0	0.0	28.0

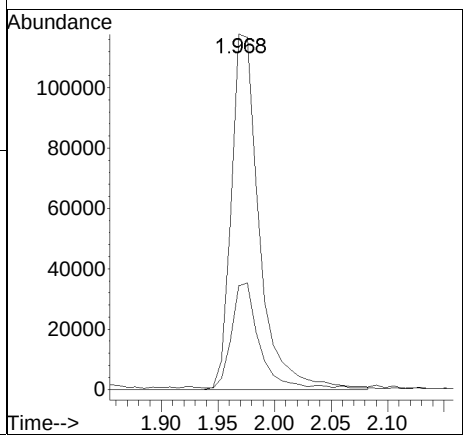


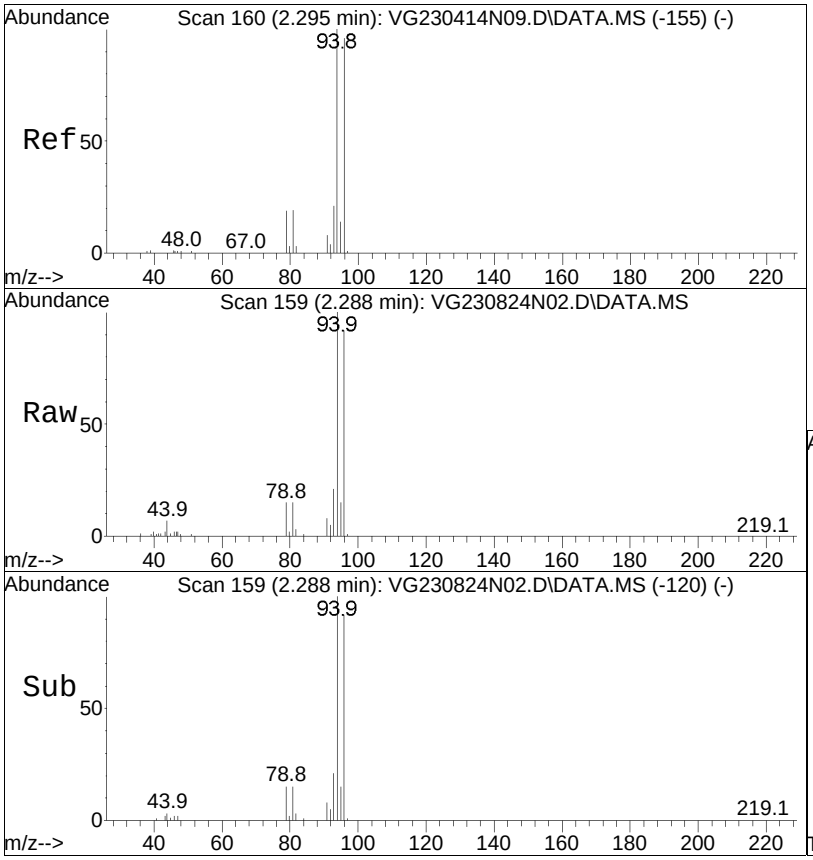


#4
Vinyl chloride
Concen: 11.49 ug/L
RT: 1.968 min Scan# 117
Delta R.T. -0.001 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 62 Resp: 203358

Ion	Ratio	Lower	Upper
62	100		
64	29.6	11.3	51.3

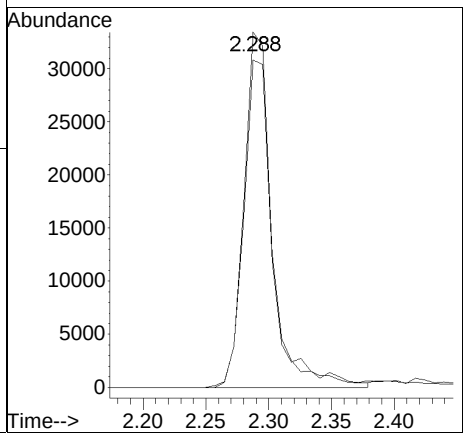


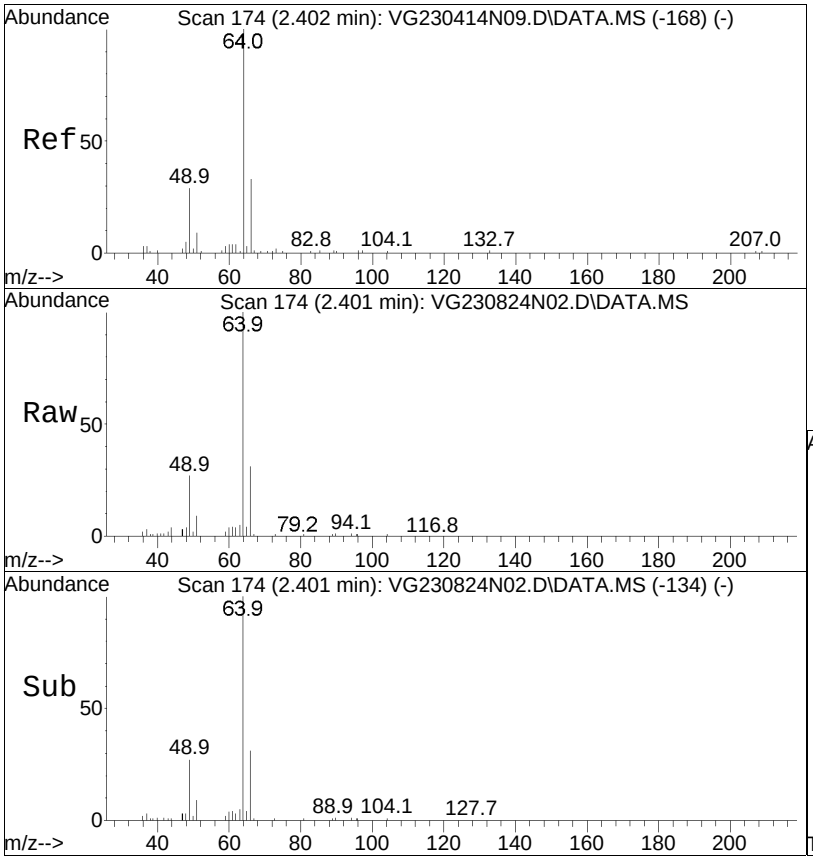


#5
Bromomethane
Concen: 5.79 ug/L
RT: 2.288 min Scan# 159
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 94 Resp: 52039

Ion	Ratio	Lower	Upper
94	100		
96	94.9	75.2	115.2

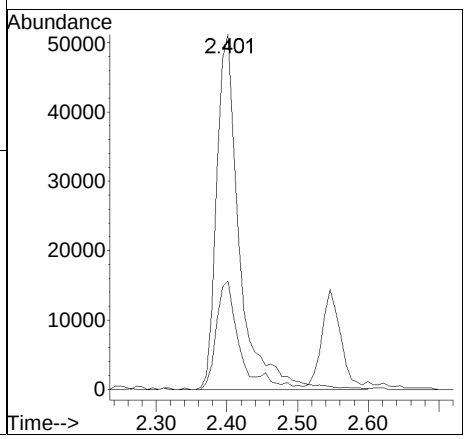


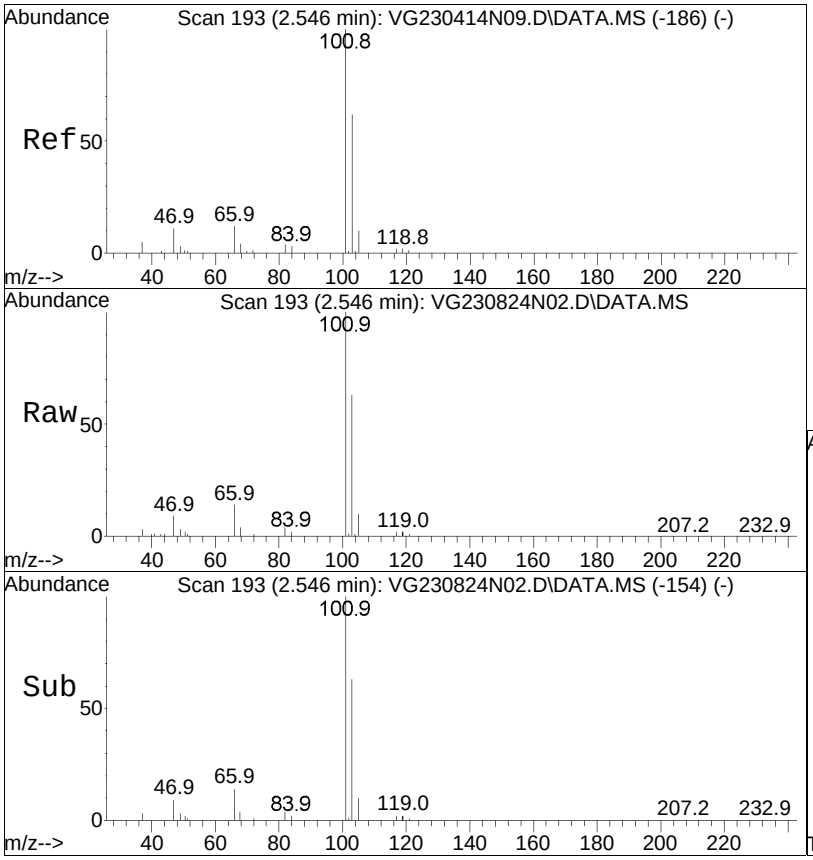


#6
Chloroethane
Concen: 14.68 ug/L
RT: 2.401 min Scan# 174
Delta R.T. 0.007 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 64 Resp: 115144

Ion	Ratio	Lower	Upper
64	100		
66	27.7	13.7	53.7

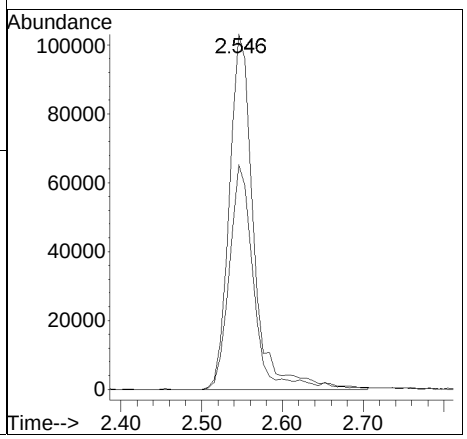


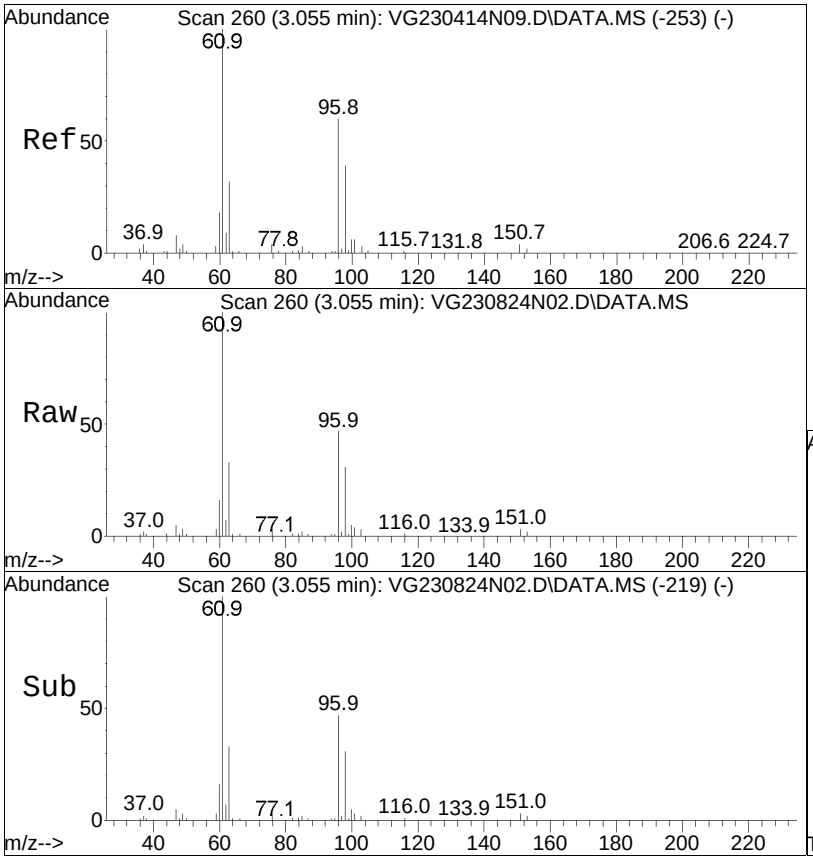


#7
Trichlorofluoromethane
Concen: 10.97 ug/L
RT: 2.546 min Scan# 193
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:101 Resp: 216653

Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.2	78.2

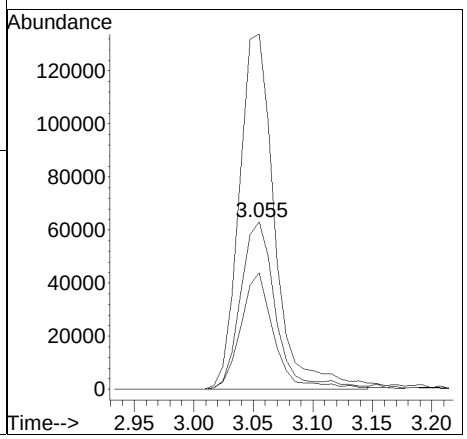


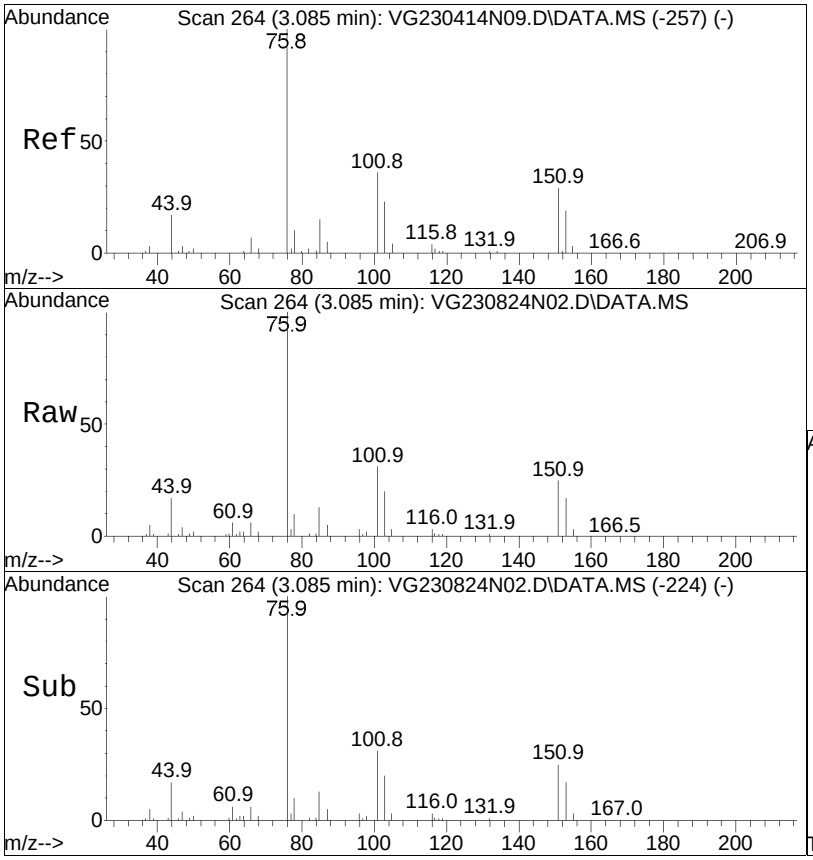


#10
1,1-Dichloroethene
Concen: 10.43 ug/L
RT: 3.055 min Scan# 260
Delta R.T. 0.008 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 96 Resp: 130512

Ion	Ratio	Lower	Upper
96	100		
61	218.6	124.2	186.4#
63	66.9	40.0	60.0#

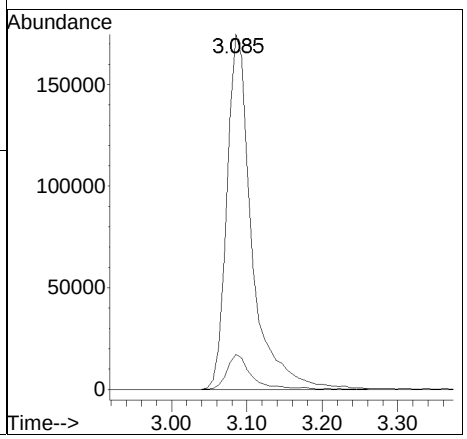


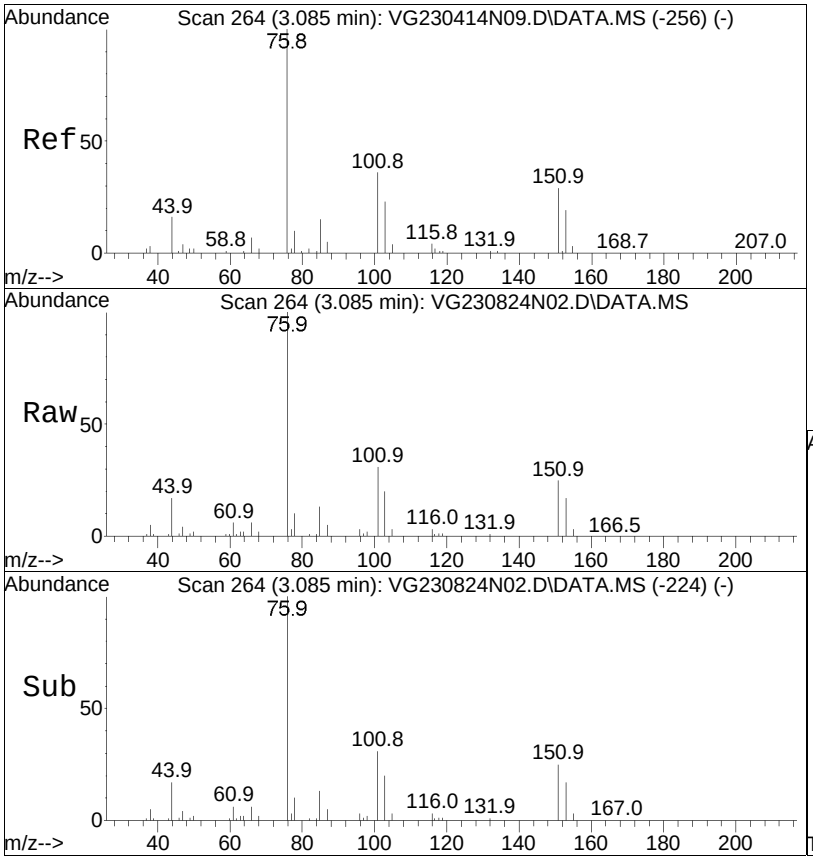


#11
Carbon disulfide
Concen: 10.33 ug/L
RT: 3.085 min Scan# 264
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 76 Resp: 402501

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	13.6

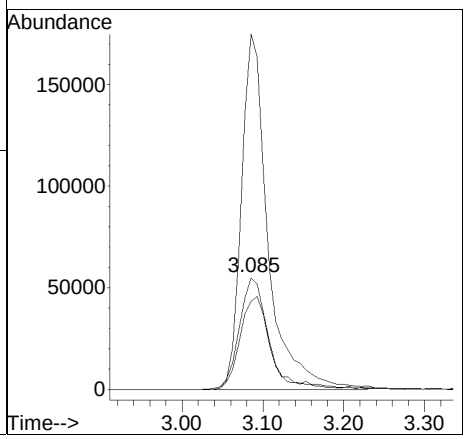


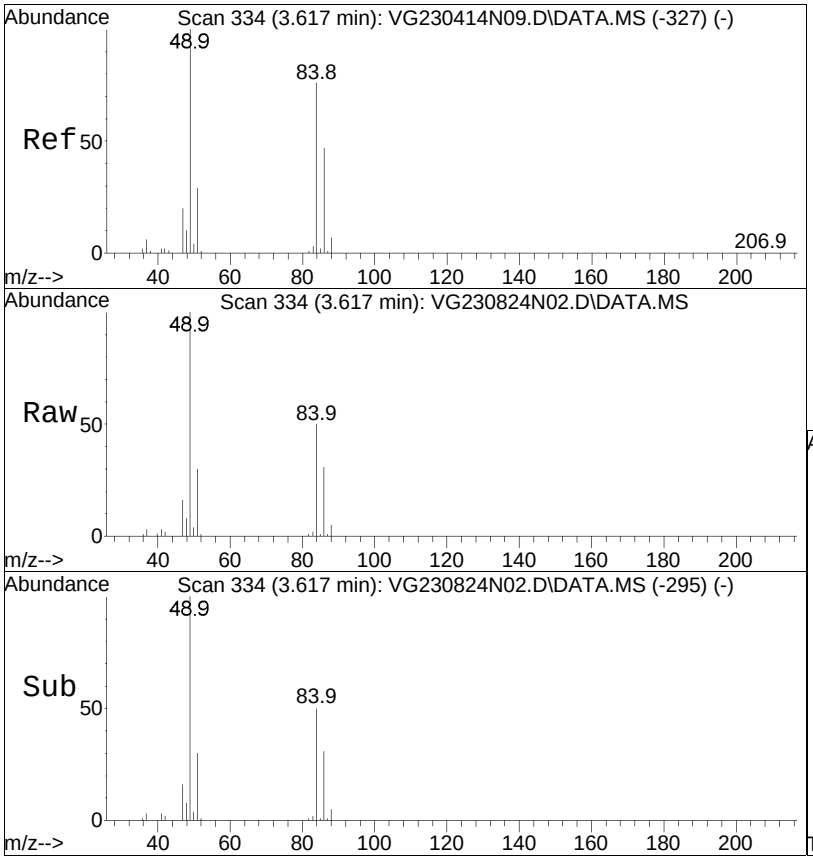


#12
Freon-113
Concen: 10.56 ug/L
RT: 3.085 min Scan# 264
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:101 Resp: 140404

Ion	Ratio	Lower	Upper
101	100		
151	85.3	68.2	102.2
76	286.7	186.0	279.0#

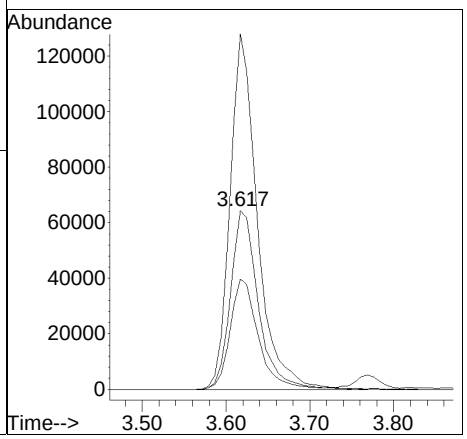


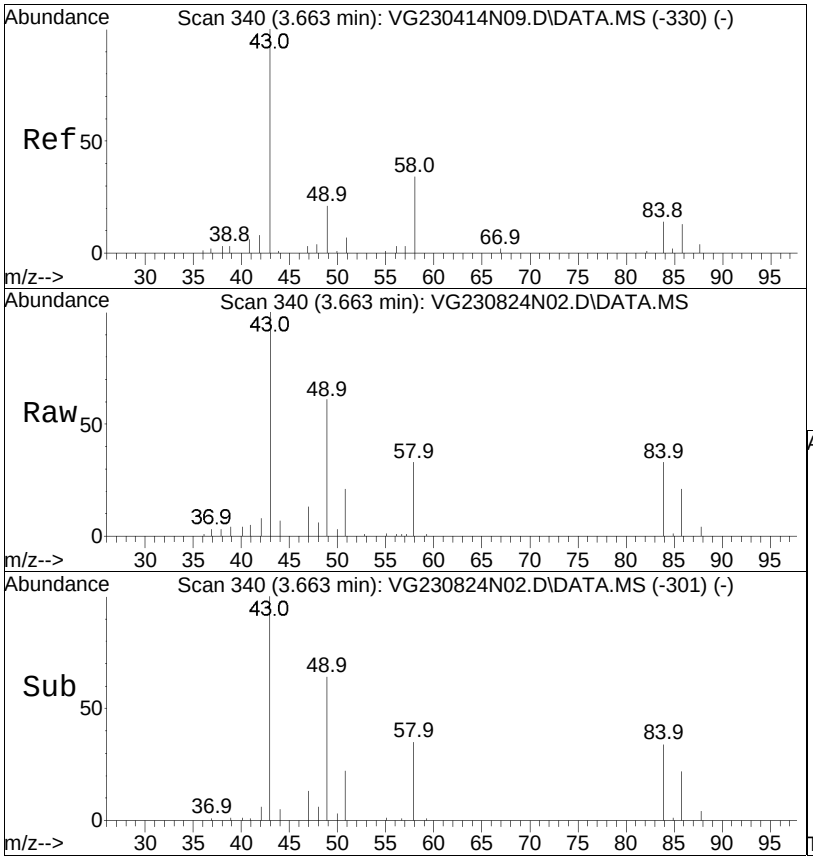


#15
Methylene chloride
Concen: 9.91 ug/L
RT: 3.617 min Scan# 334
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 84 Resp: 149238

Ion	Ratio	Lower	Upper
84	100		
86	63.0	41.1	85.5
49	193.6	76.2	158.2#

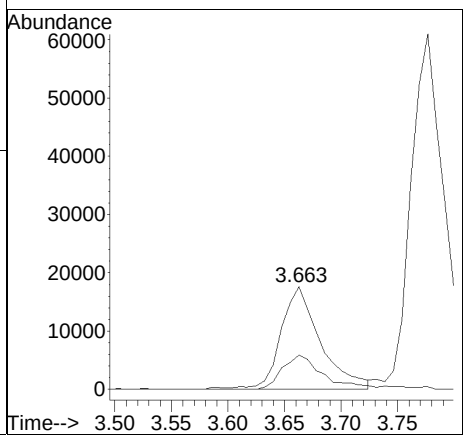


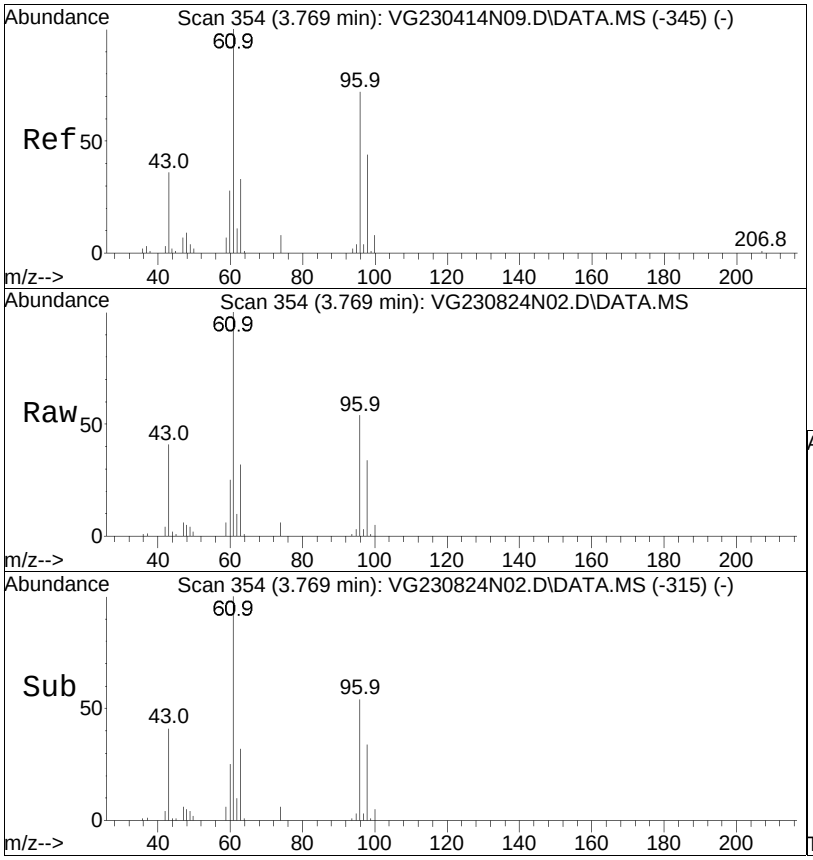


#17
Acetone
Concen: 7.70 ug/L
RT: 3.663 min Scan# 340
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 43 Resp: 43273

Ion	Ratio	Lower	Upper
43	100		
58	36.8	22.2	33.4#

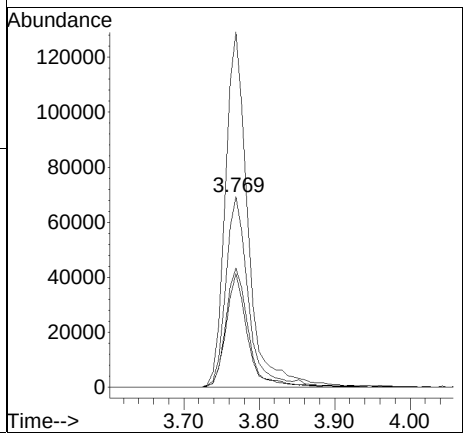


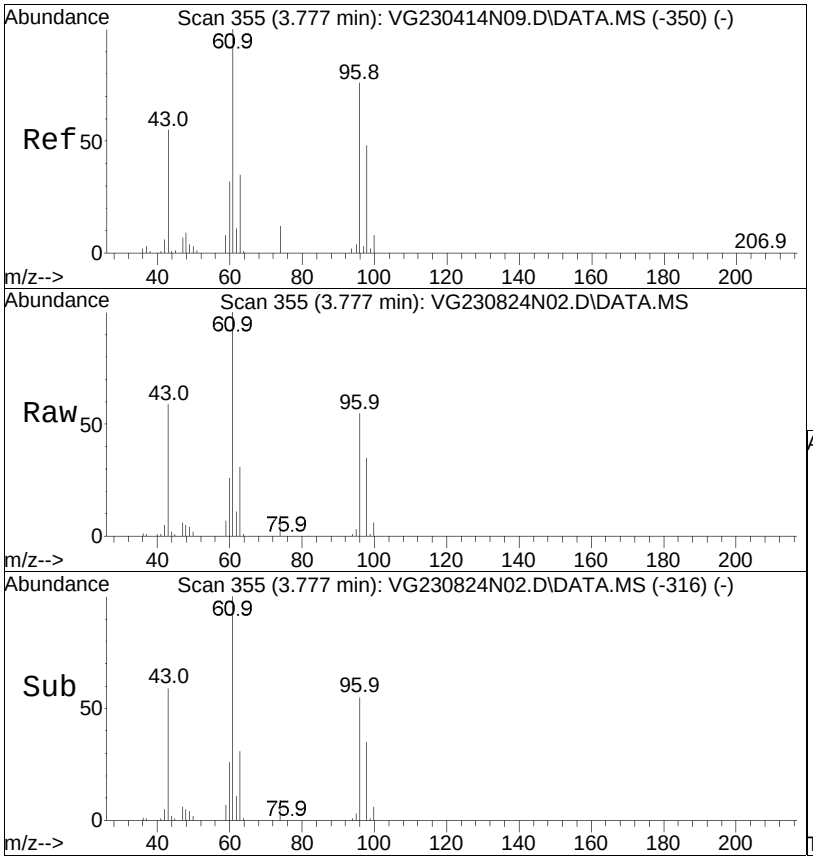


#18
trans-1,2-Dichloroethene
Concen: 10.97 ug/L
RT: 3.769 min Scan# 354
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 96 Resp: 147209

Ion	Ratio	Lower	Upper
96	100		
61	184.7	85.7	178.1#
98	63.2	40.2	83.4
63	56.2	28.0	58.2

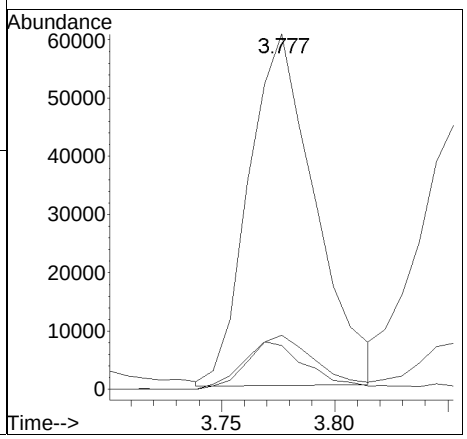


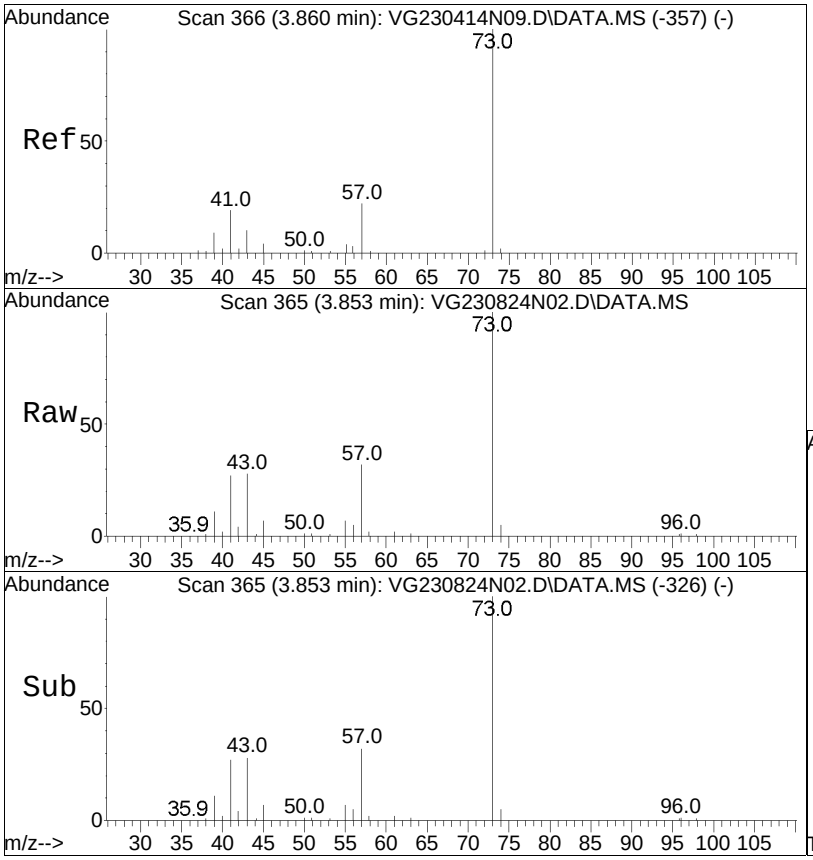


#19
Methyl acetate
Concen: 9.86 ug/L
RT: 3.777 min Scan# 355
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 43 Resp: 123655

Ion	Ratio	Lower	Upper
43	100		
74	15.5	19.3	28.9#
59	13.7	13.9	20.9#

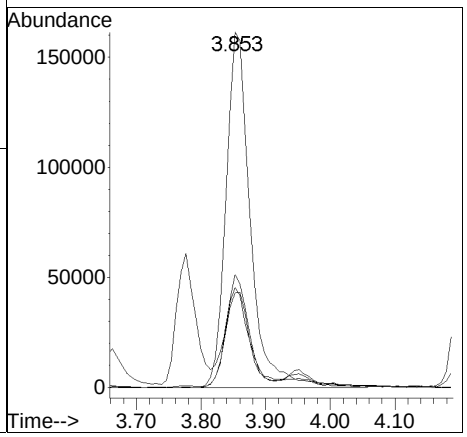


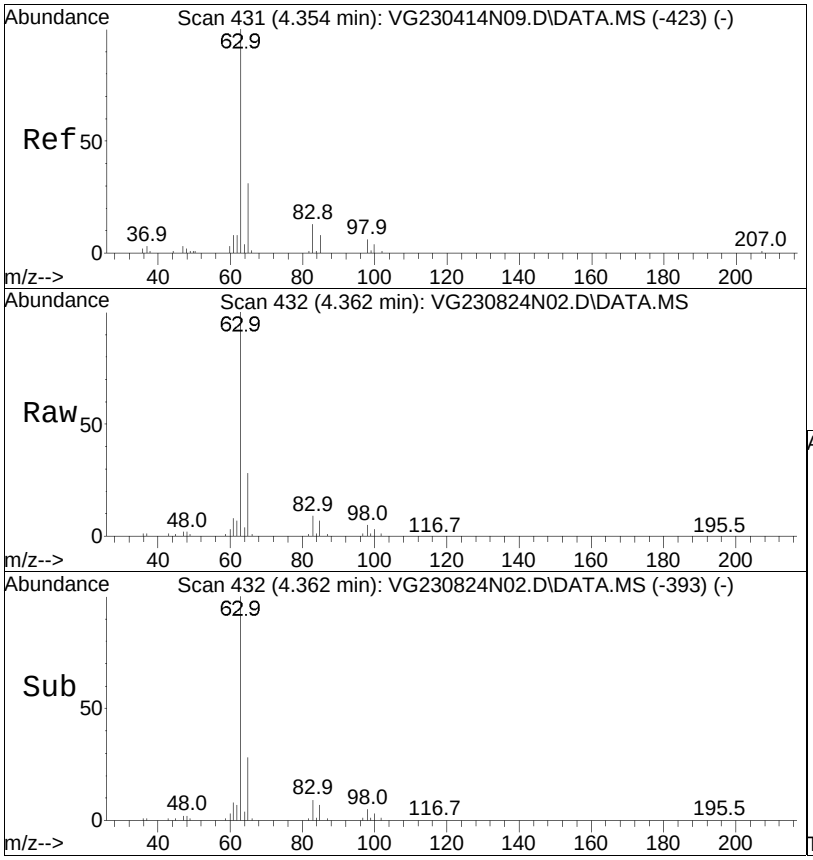


#20
Methyl tert-butyl ether
Concen: 9.91 ug/L
RT: 3.853 min Scan# 365
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 73 Resp: 426596

Ion	Ratio	Lower	Upper
73	100		
57	29.5	12.5	26.1#
43	28.3	13.0	27.0#
41	26.2	12.5	26.1#

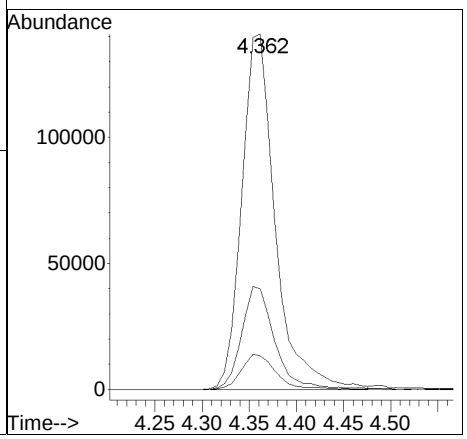


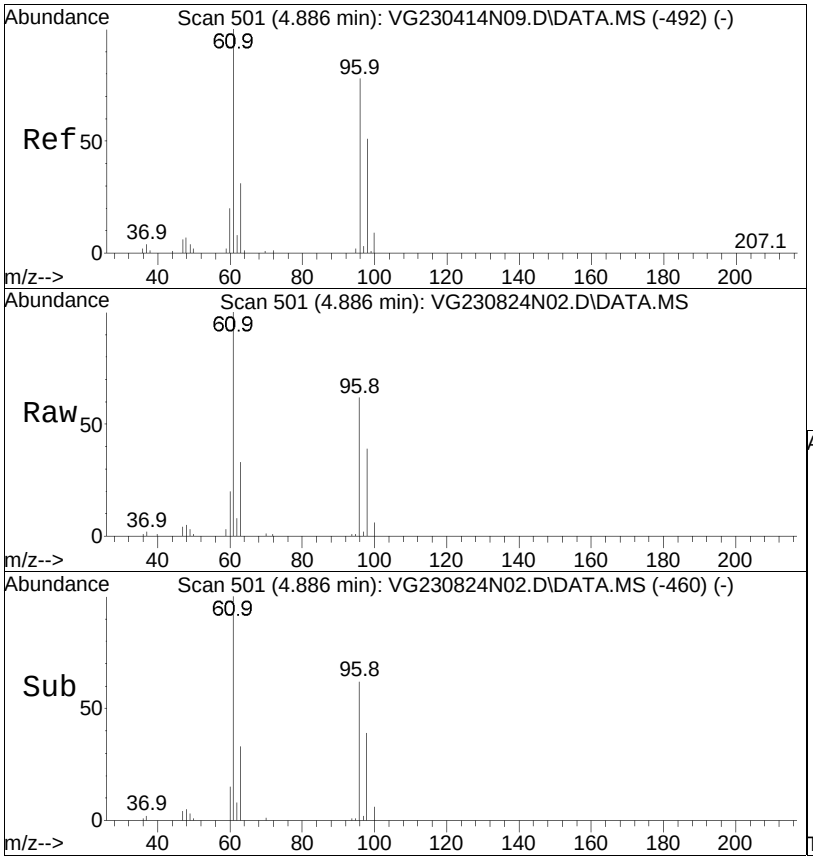


#23
1,1-Dichloroethane
Concen: 11.93 ug/L
RT: 4.362 min Scan# 432
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 63 Resp: 348578

Ion	Ratio	Lower	Upper
63	100		
65	28.8	10.4	50.4
83	10.3	0.0	33.2

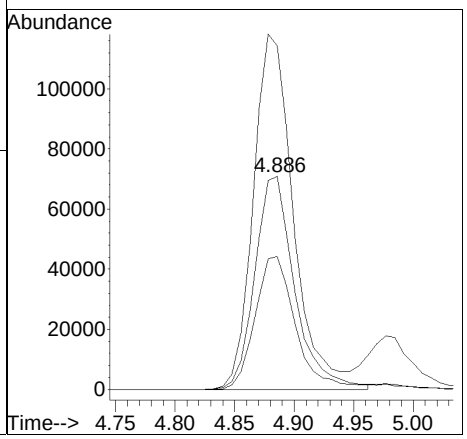


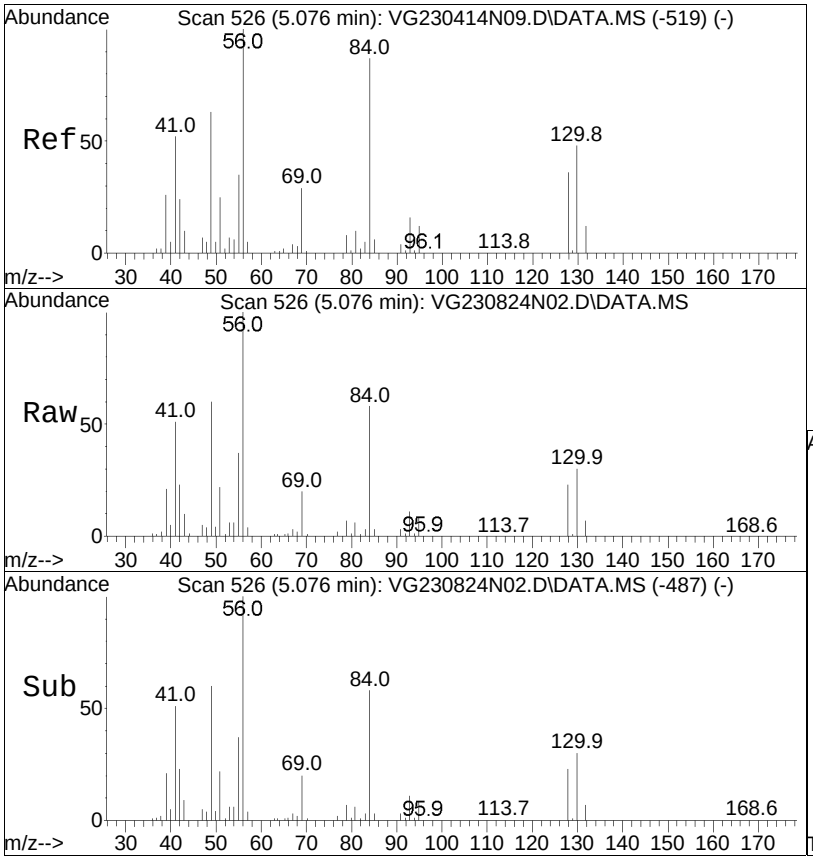


#28
cis-1,2-Dichloroethene
Concen: 10.62 ug/L
RT: 4.886 min Scan# 501
Delta R.T. 0.008 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 96 Resp: 165049

Ion	Ratio	Lower	Upper
96	100		
61	165.5	96.6	144.8#
98	65.5	51.3	76.9

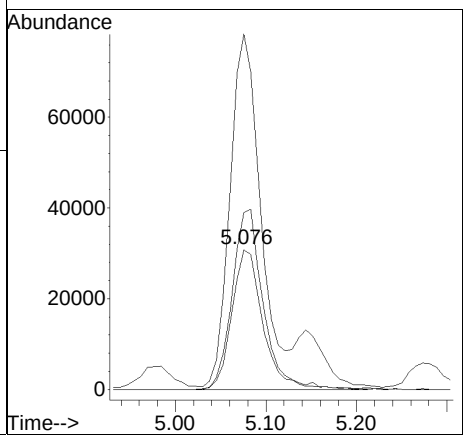


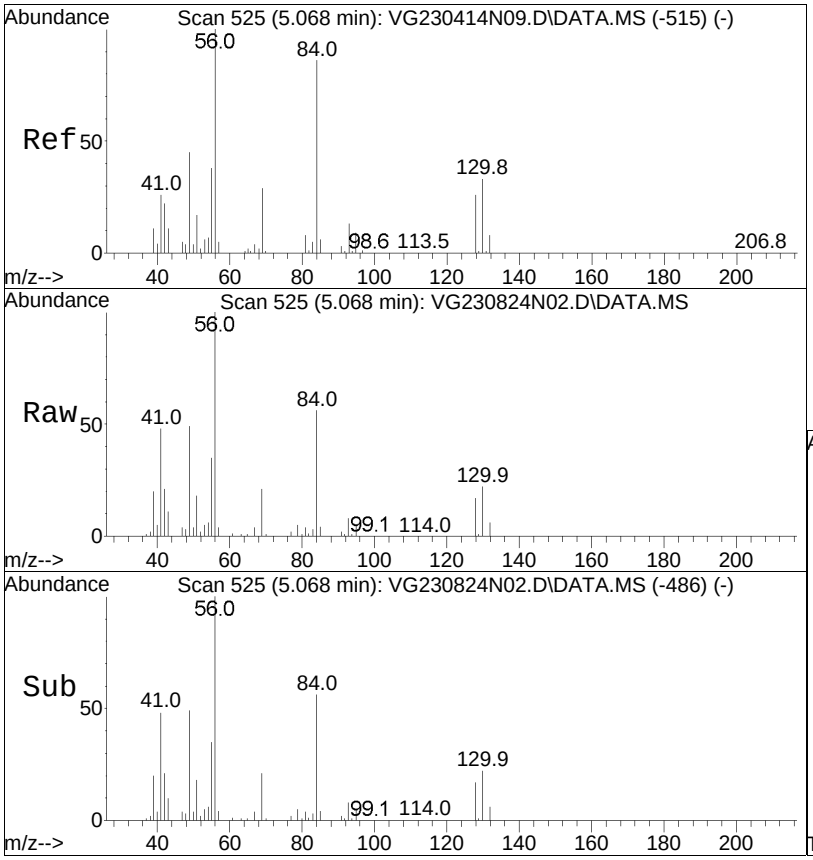


#30
Bromochloromethane
Concen: 11.67 ug/L
RT: 5.076 min Scan# 526
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:128 Resp: 73634

Ion	Ratio	Lower	Upper
128	100		
49	245.0	112.7	169.1#
130	129.0	103.3	154.9

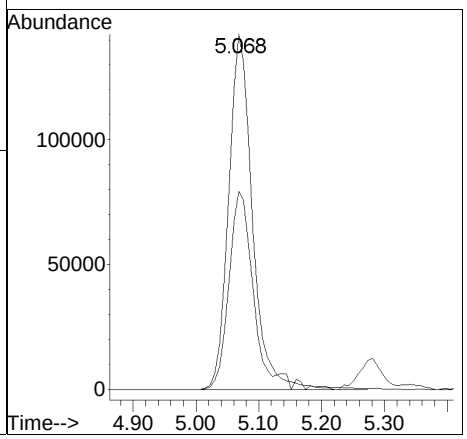


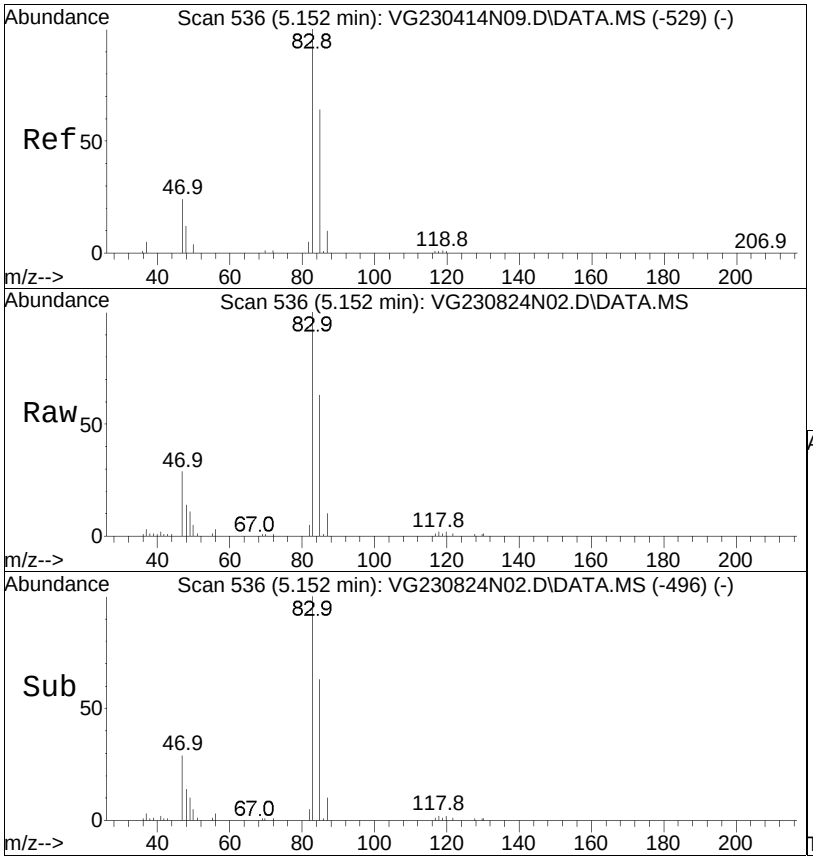


#31
Cyclohexane
Concen: 10.82 ug/L
RT: 5.068 min Scan# 525
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 56 Resp: 375408

Ion	Ratio	Lower	Upper
56	100		
84	56.8	63.8	132.4#

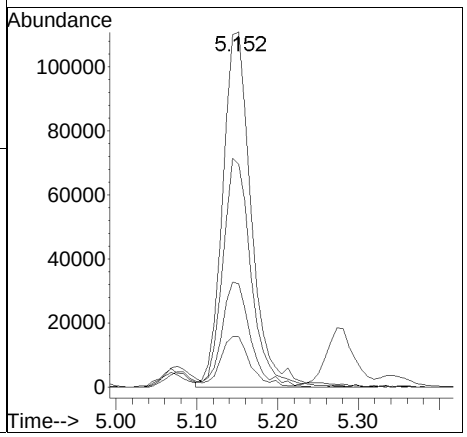


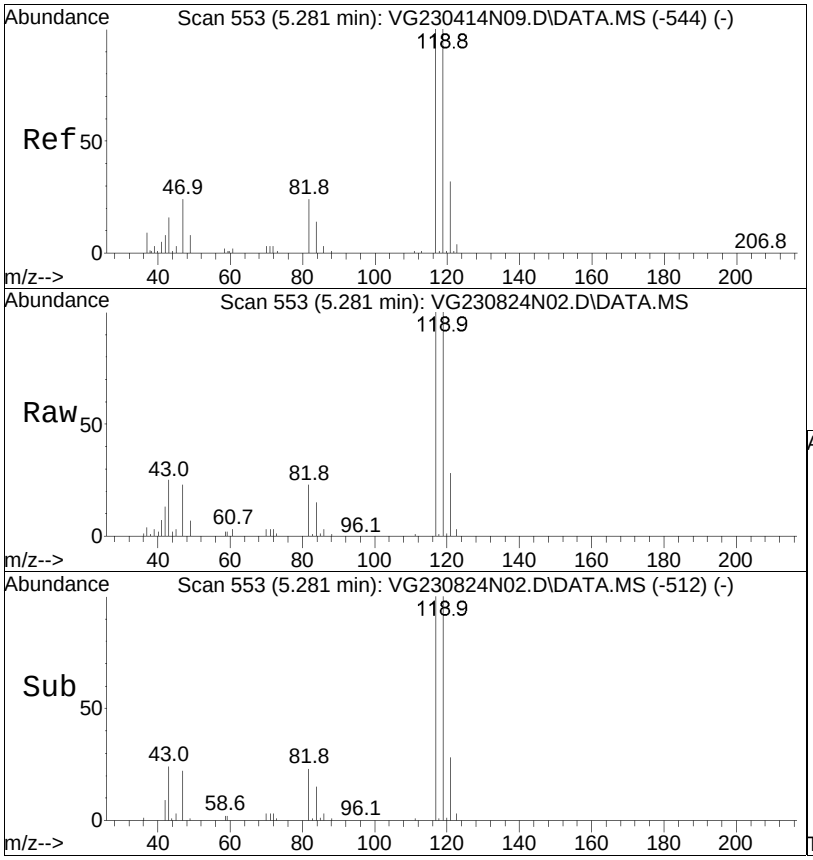


#32
Chloroform
Concen: 11.25 ug/L
RT: 5.152 min Scan# 536
Delta R.T. 0.008 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 83 Resp: 277510

Ion	Ratio	Lower	Upper
83	100		
85	64.0	41.4	86.0
47	28.5	15.1	31.3
48	14.9	7.7	16.1

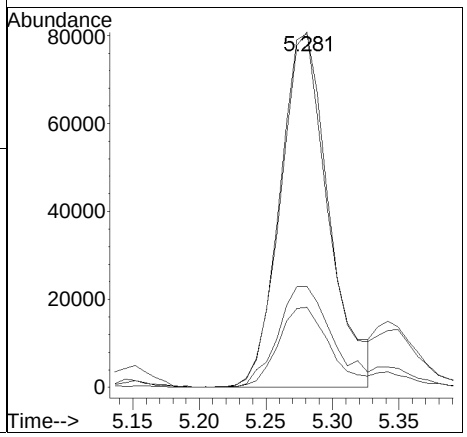


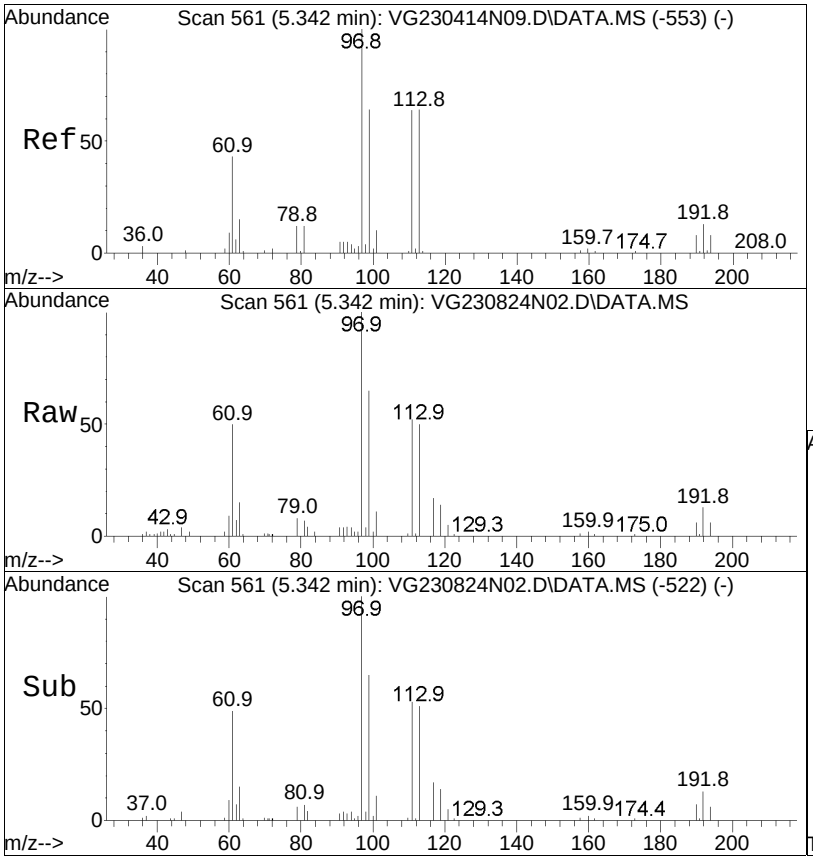


#34
Carbon tetrachloride
Concen: 10.65 ug/L
RT: 5.281 min Scan# 553
Delta R.T. 0.008 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:117 Resp: 207695

Ion	Ratio	Lower	Upper
117	100		
119	96.5	63.2	131.2
121	36.8	20.4	42.4
82	23.8	15.4	32.0

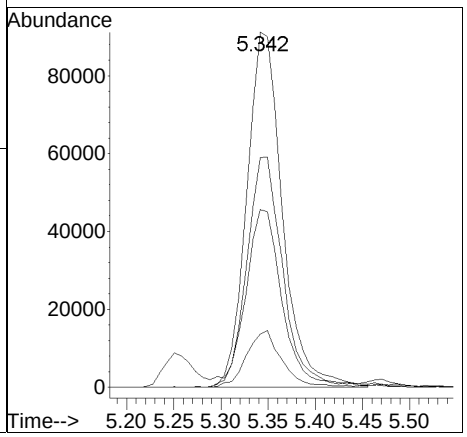


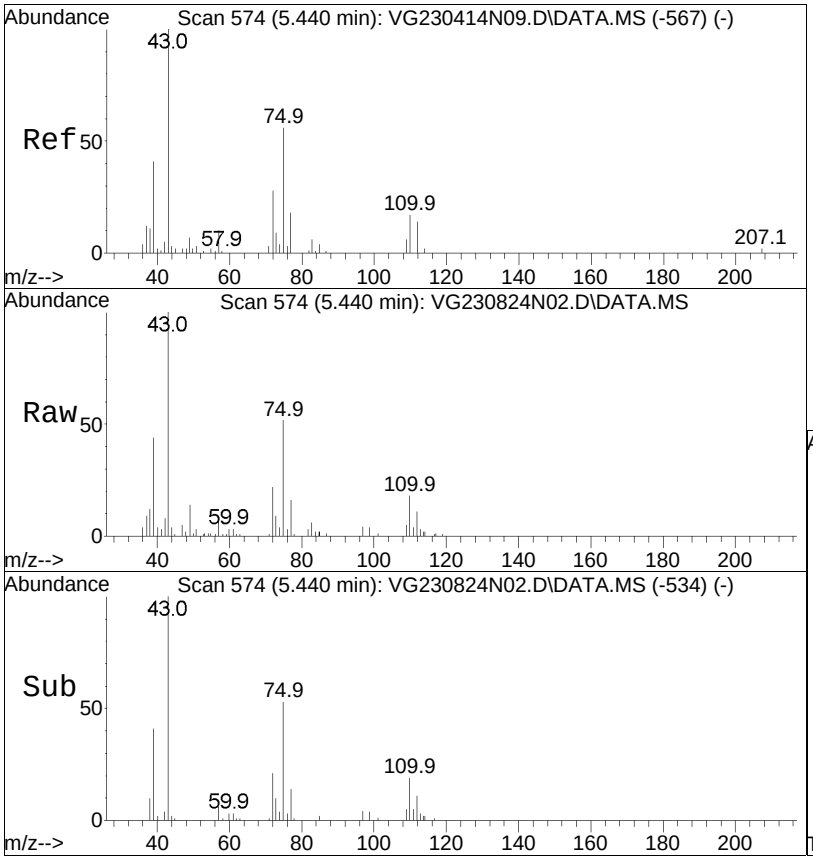


#37
1,1,1-Trichloroethane
Concen: 10.65 ug/L
RT: 5.342 min Scan# 561
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 97 Resp: 241588

Ion	Ratio	Lower	Upper
97	100		
99	65.1	41.3	85.7
61	50.7	26.0	54.0
63	15.8	8.6	18.0

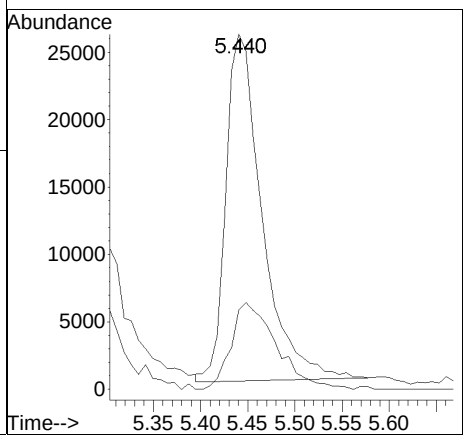


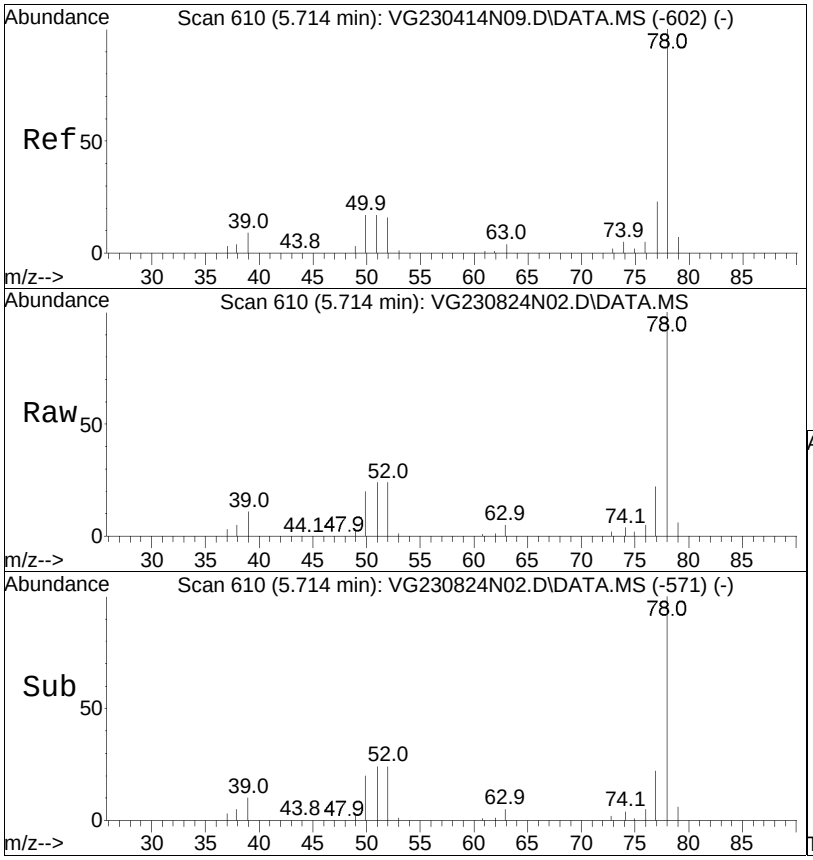


#39
2-Butanone
Concen: 8.15 ug/L
RT: 5.440 min Scan# 574
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 43 Resp: 68912

Ion	Ratio	Lower	Upper
43	100		
72	31.3	42.6	63.8#

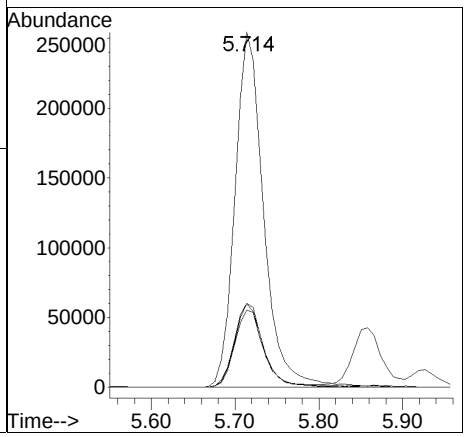


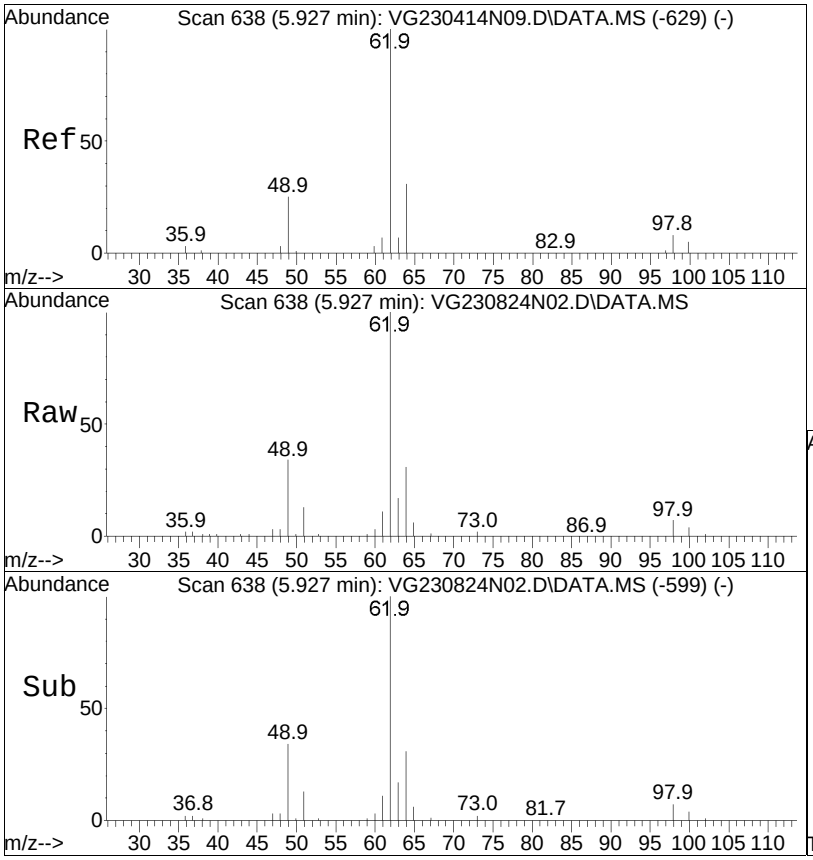


#41
Benzene
Concen: 10.52 ug/L
RT: 5.714 min Scan# 610
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 78 Resp: 606180

Ion	Ratio	Lower	Upper
78	100		
77	22.2	15.5	32.1
51	23.6	9.9	20.7#
52	24.5	9.2	19.2#

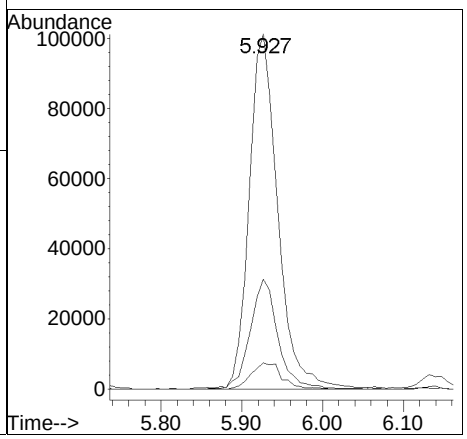


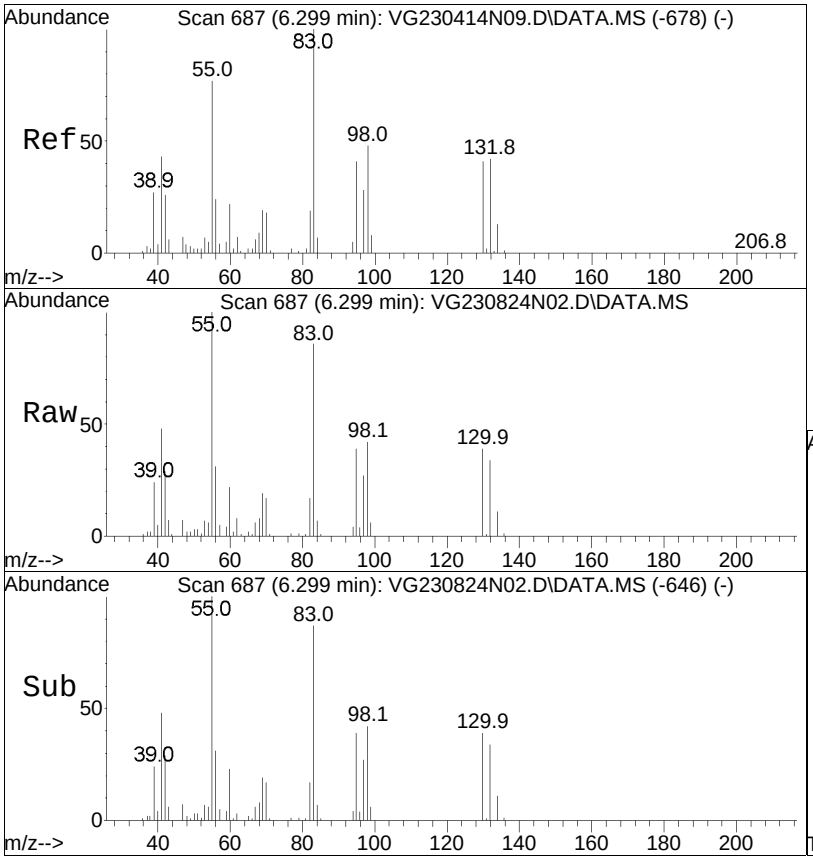


#44
1,2-Dichloroethane
Concen: 11.61 ug/L
RT: 5.927 min Scan# 638
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 62 Resp: 249960

Ion	Ratio	Lower	Upper
62	100		
64	30.7	11.9	51.9
98	8.3	0.0	29.3

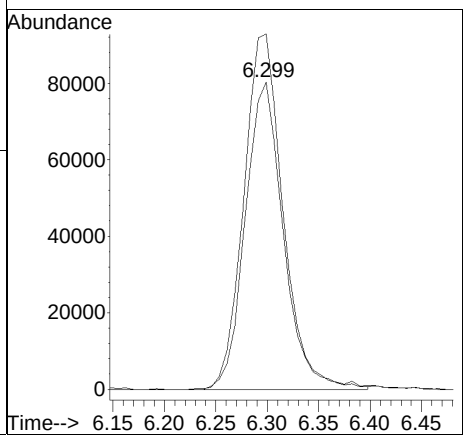


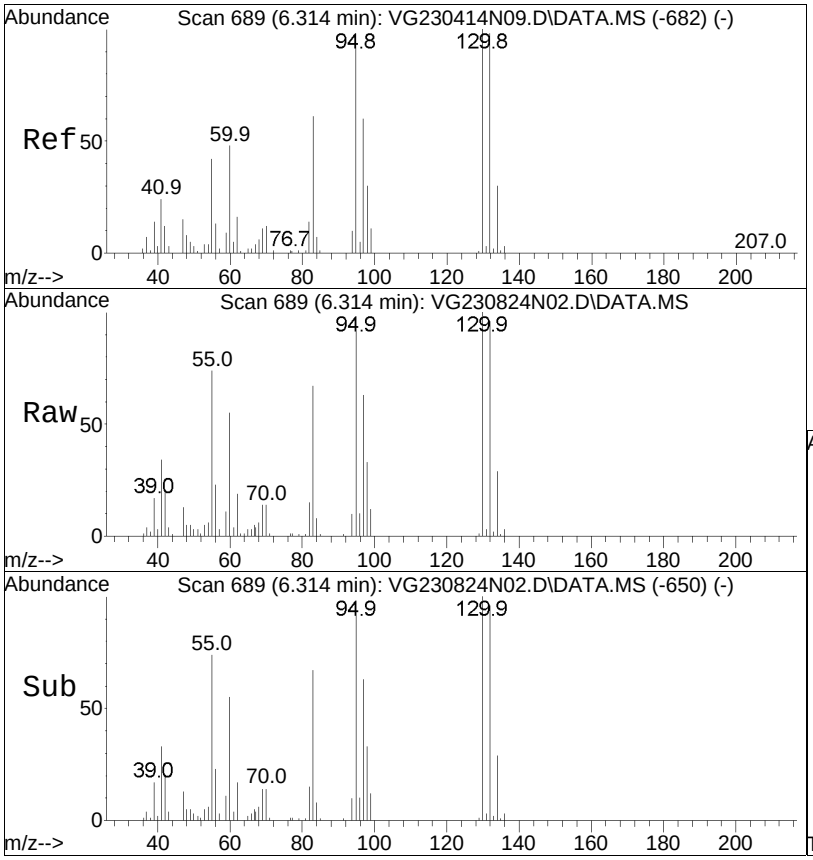


#47
Methyl cyclohexane
Concen: 8.22 ug/L
RT: 6.299 min Scan# 687
Delta R.T. 0.008 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 83 Resp: 207525

Ion	Ratio	Lower	Upper
83	100		
55	119.9	56.0	84.0#

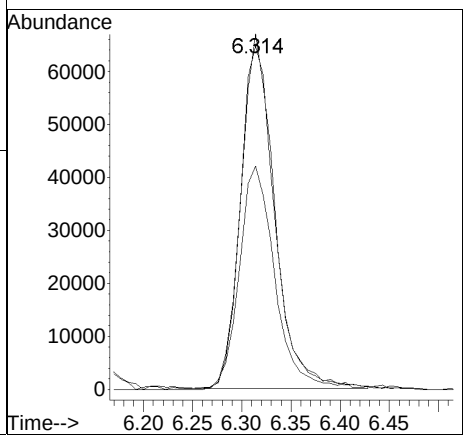


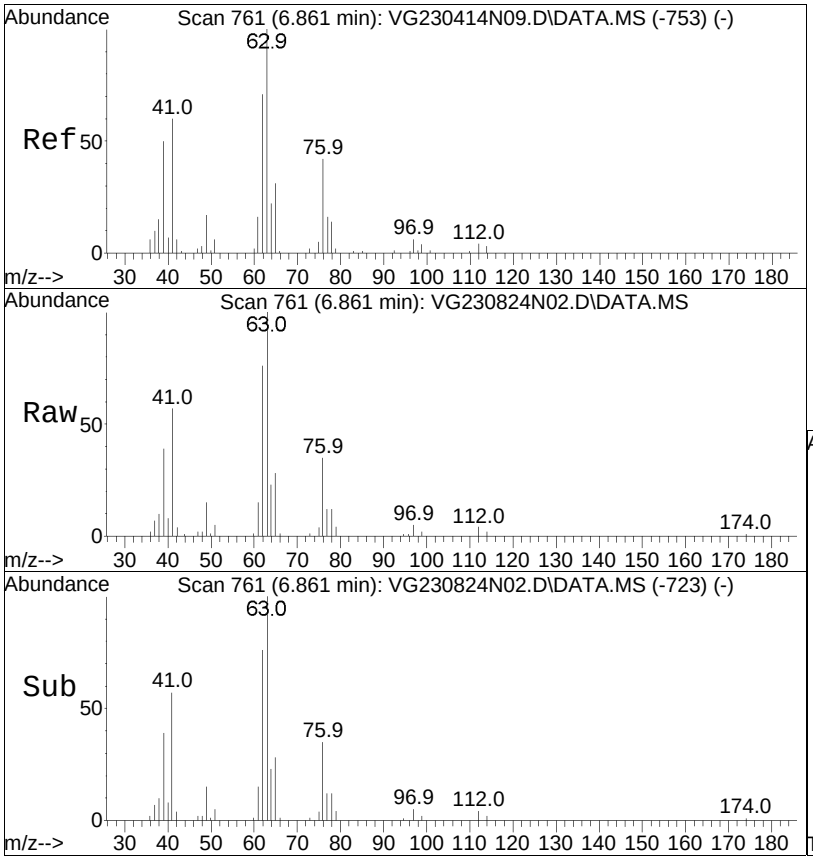


#48
Trichloroethene
Concen: 9.13 ug/L
RT: 6.314 min Scan# 689
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 95 Resp: 158125

Ion	Ratio	Lower	Upper
95	100		
97	68.2	54.0	81.0
130	101.9	85.0	127.4

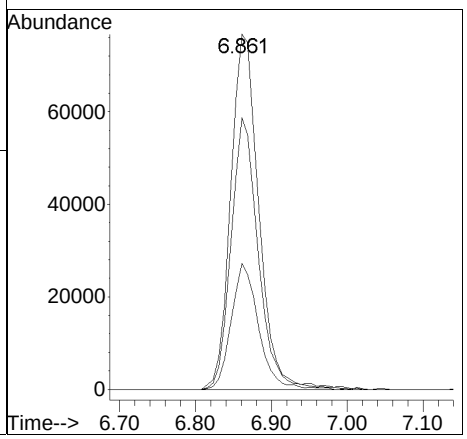


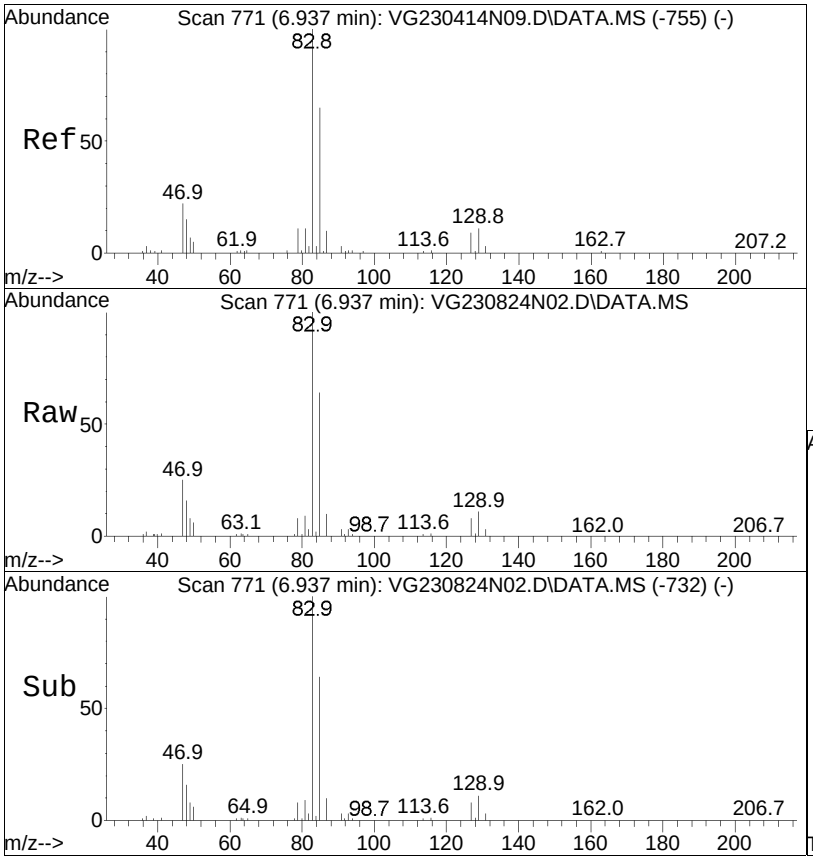


#51
1,2-Dichloropropane
Concen: 11.78 ug/L
RT: 6.861 min Scan# 761
Delta R.T. -0.008 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 63 Resp: 196997

Ion	Ratio	Lower	Upper
63	100		
62	74.2	56.5	84.7
76	34.6	34.6	52.0#

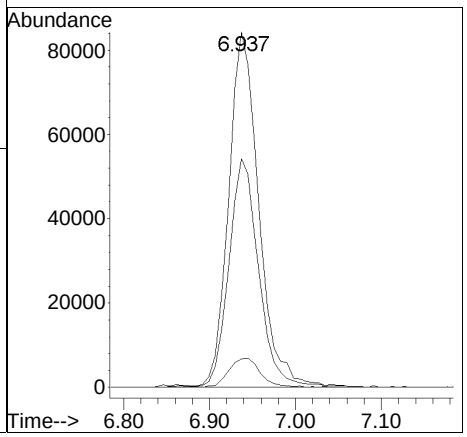


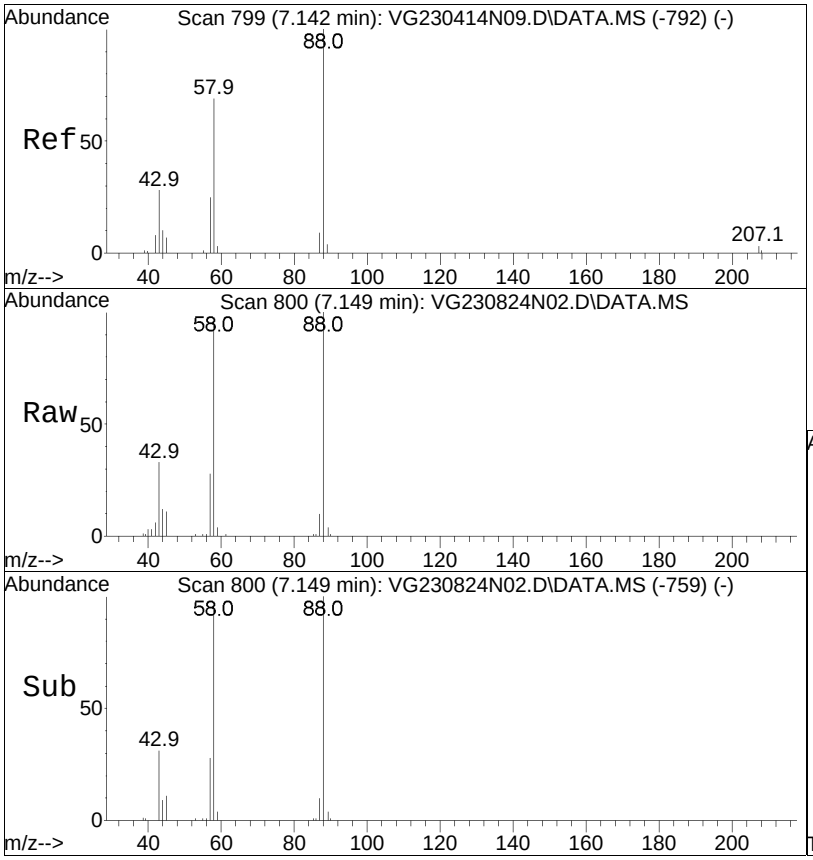


#54
Bromodichloromethane
Concen: 10.27 ug/L
RT: 6.937 min Scan# 771
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 83 Resp: 202034

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.8	76.2
127	8.8	7.4	11.2

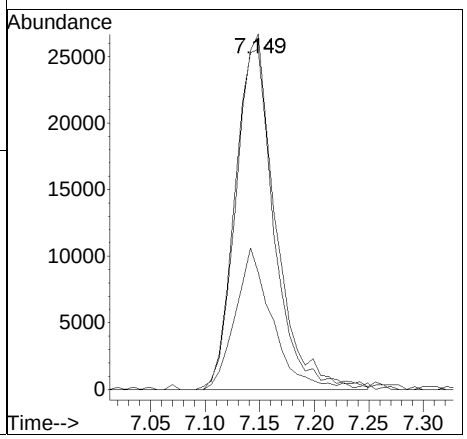


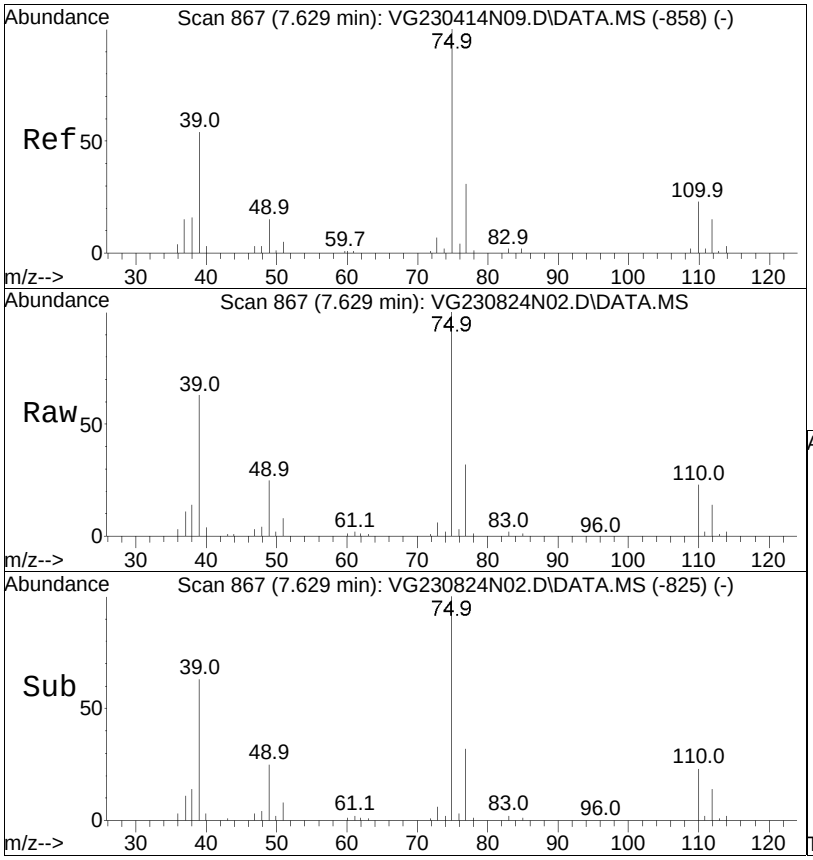


#57
1,4-Dioxane
Concen: 442.26 ug/L
RT: 7.149 min Scan# 800
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 88 Resp: 66678

Ion	Ratio	Lower	Upper
88	100		
58	97.1	48.7	73.1#
43	37.8	22.4	33.6#

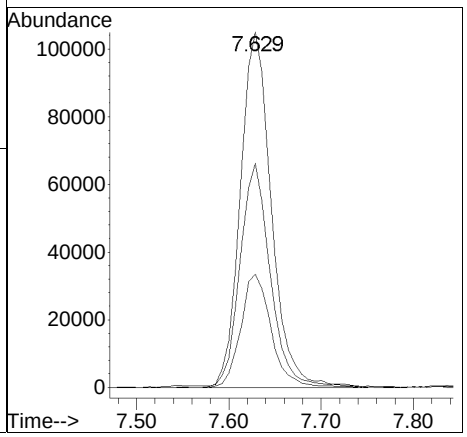


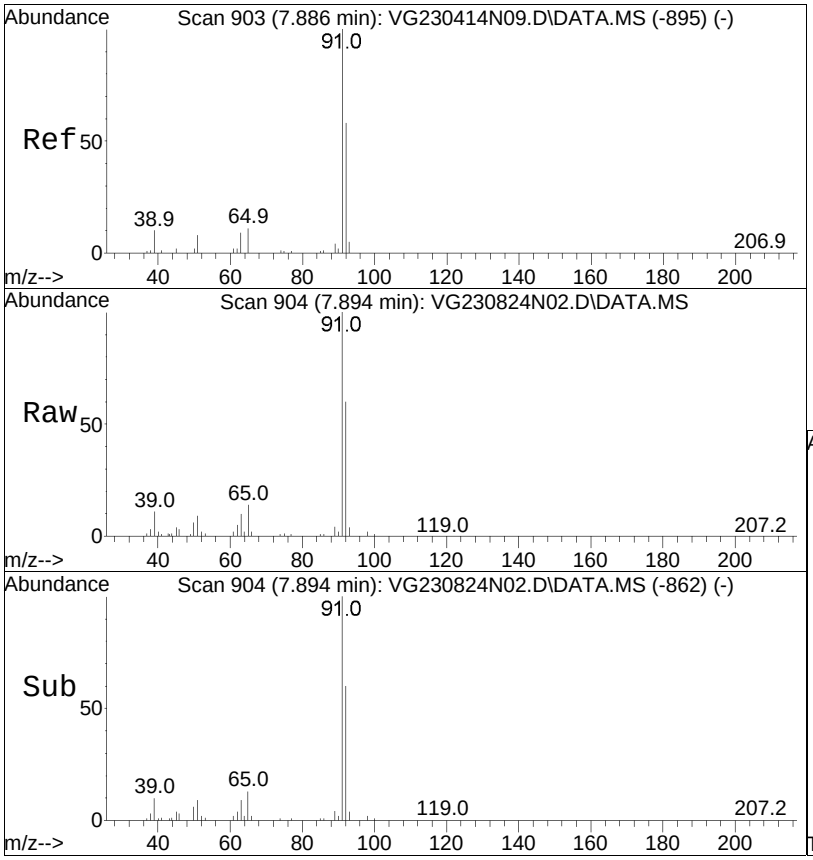


#58
cis-1,3-Dichloropropene
Concen: 10.14 ug/L
RT: 7.629 min Scan# 867
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 75 Resp: 245640

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	61.0	40.8	61.2

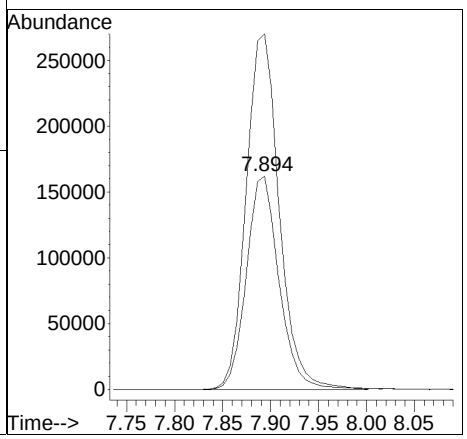


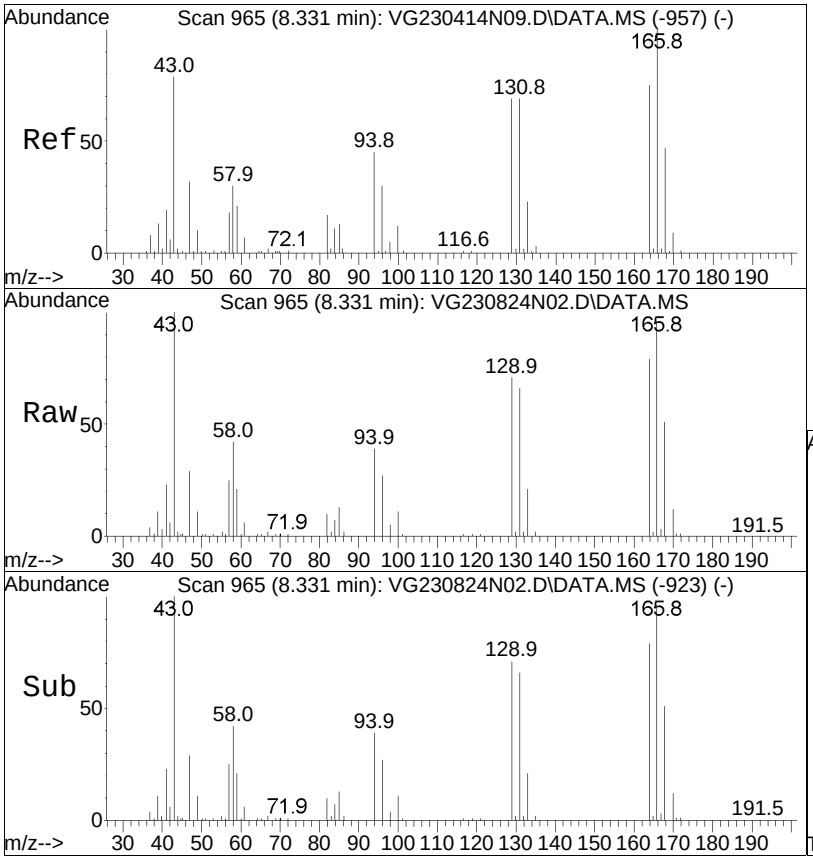


#61
Toluene
Concen: 9.98 ug/L
RT: 7.894 min Scan# 904
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 92 Resp: 383049

Ion	Ratio	Lower	Upper
92	100		
91	169.0	134.8	202.2

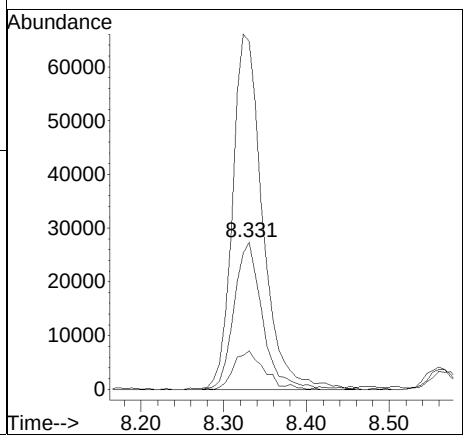


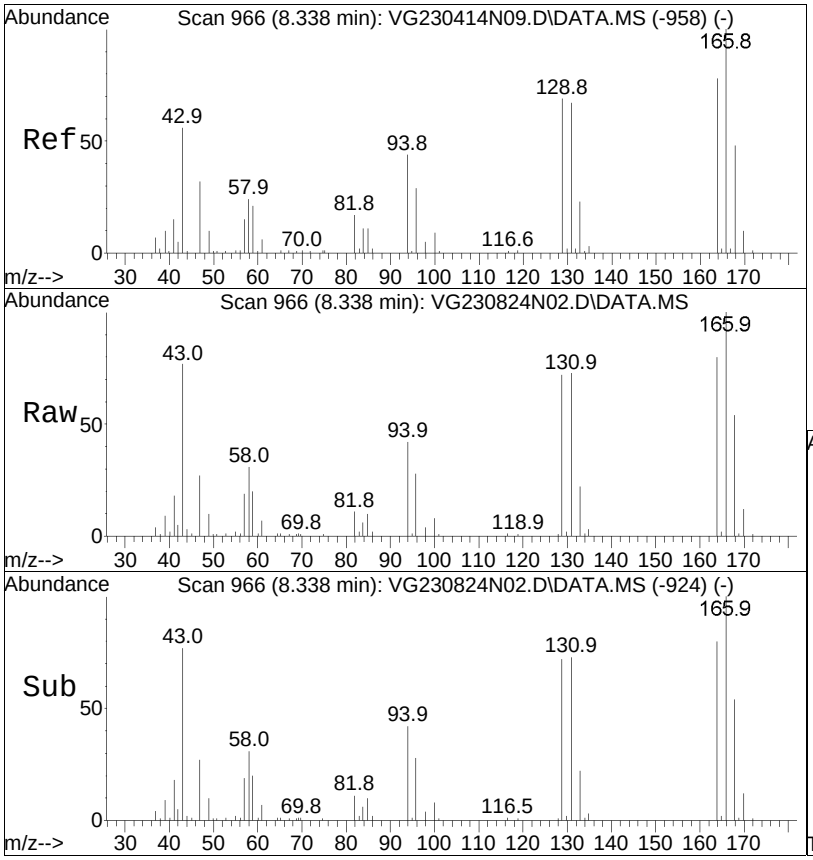


#62
4-Methyl-2-pentanone
Concen: 10.07 ug/L
RT: 8.331 min Scan# 965
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 58 Resp: 65958

Ion	Ratio	Lower	Upper
58	100		
100	28.1	33.6	50.4#
43	253.4	204.3	306.5

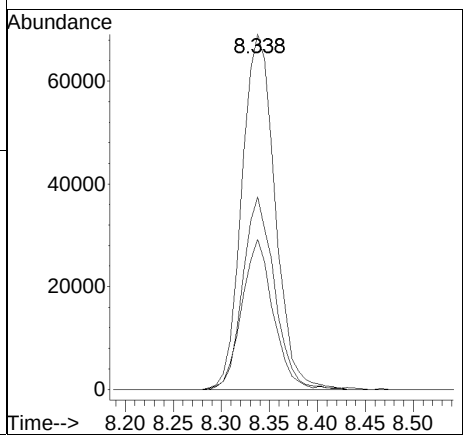


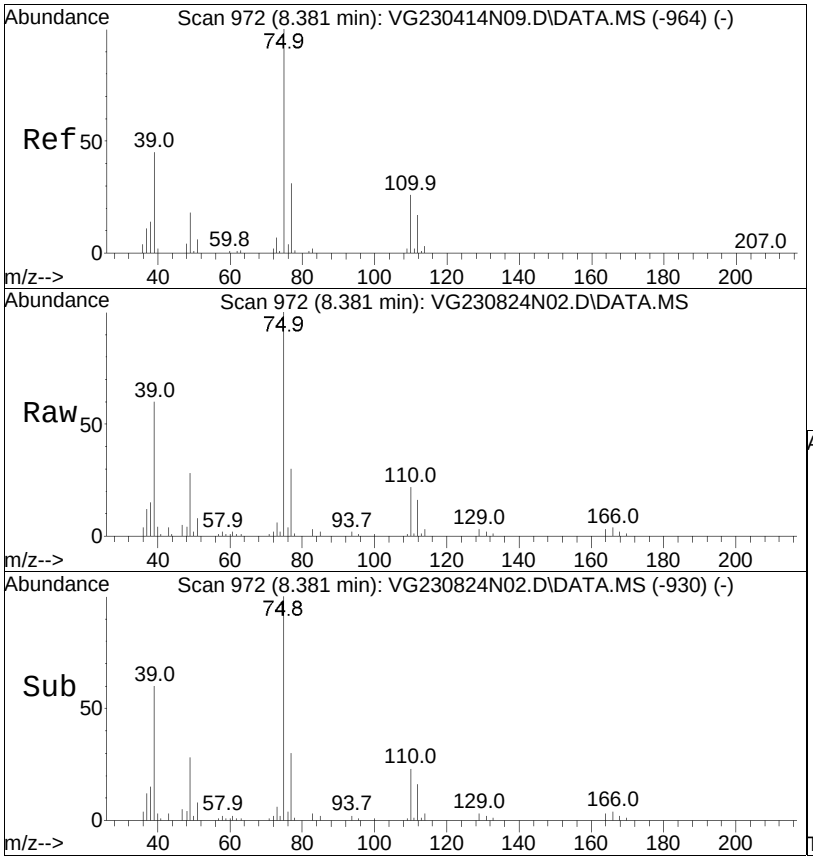


#63
Tetrachloroethene
Concen: 9.90 ug/L
RT: 8.338 min Scan# 966
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:166 Resp: 166144

Ion	Ratio	Lower	Upper
166	100		
168	51.8	27.3	67.3
94	40.1	20.5	60.5

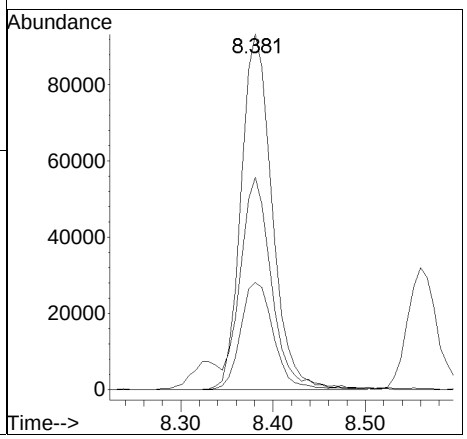


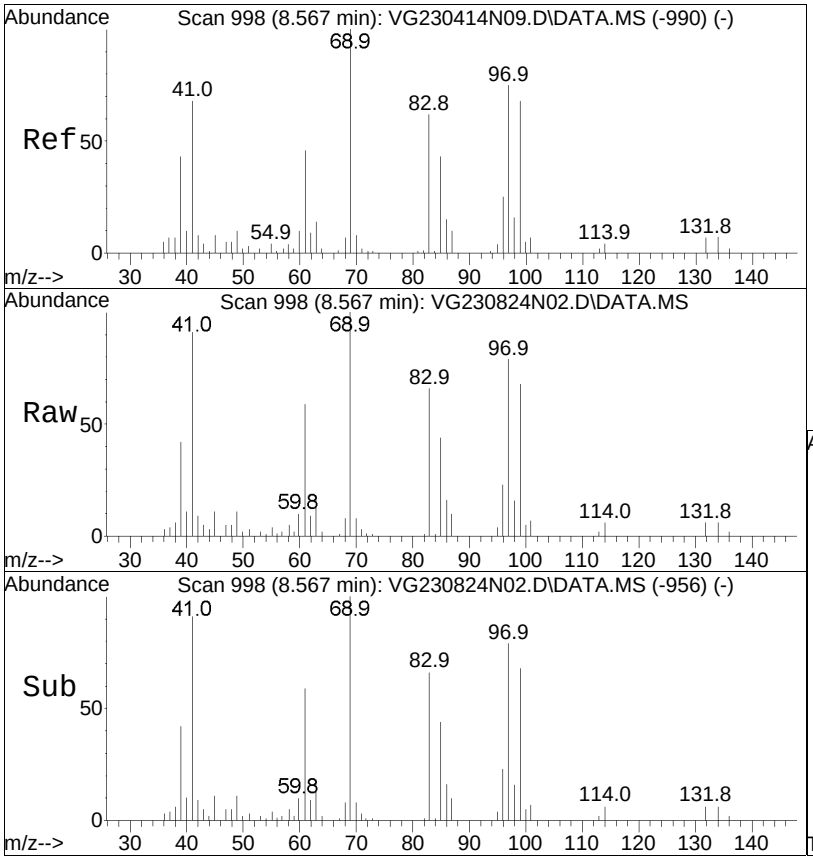


#65
trans-1,3-Dichloropropene
Concen: 9.26 ug/L
RT: 8.381 min Scan# 972
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 75 Resp: 218390

Ion	Ratio	Lower	Upper
75	100		
77	32.0	11.3	51.3
39	58.3	36.0	76.0

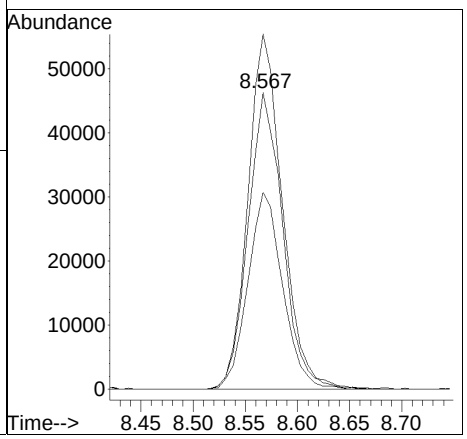


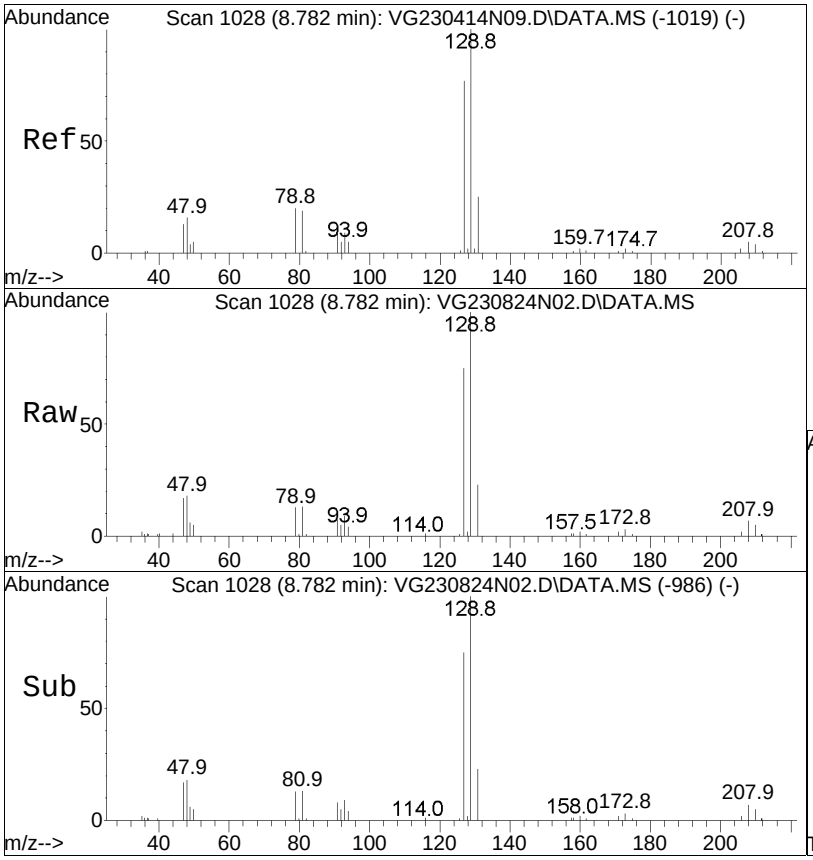


#68
1,1,2-Trichloroethane
Concen: 9.57 ug/L
RT: 8.567 min Scan# 998
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 83 Resp: 107722

Ion	Ratio	Lower	Upper
83	100		
97	118.2	101.0	141.0
85	66.5	47.9	87.9

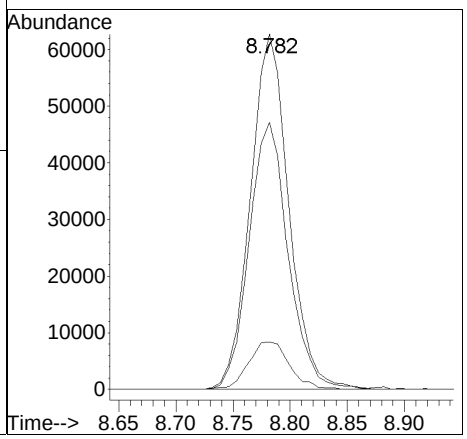


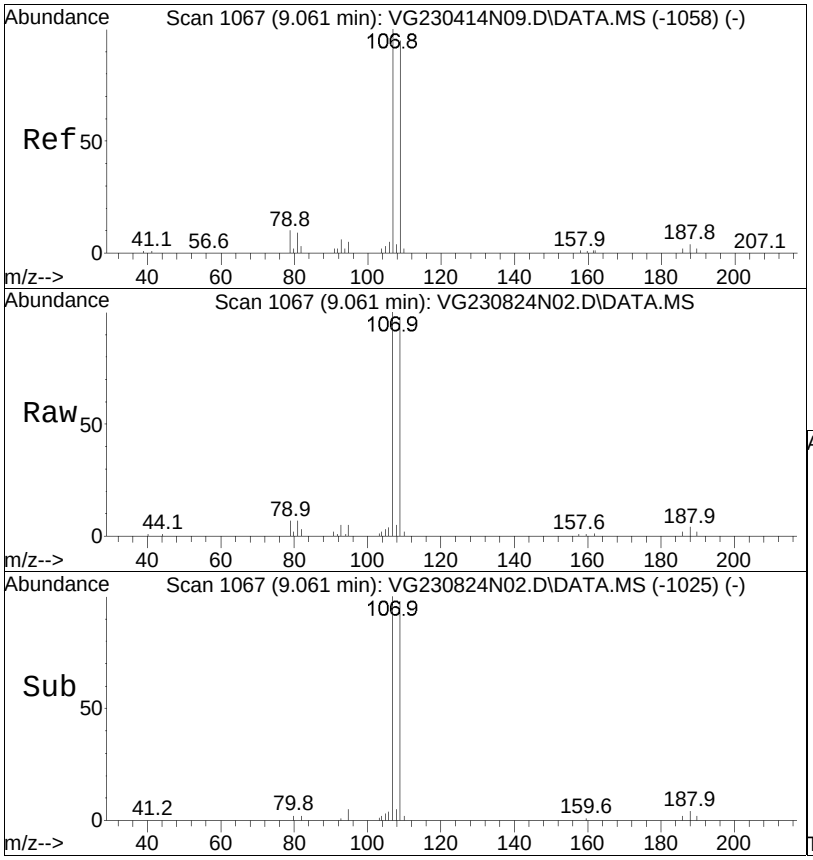


#69
Chlorodibromomethane
Concen: 9.77 ug/L
RT: 8.782 min Scan# 1028
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:129 Resp: 146948

Ion	Ratio	Lower	Upper
129	100		
81	14.3	0.0	35.0
127	76.4	57.1	97.1

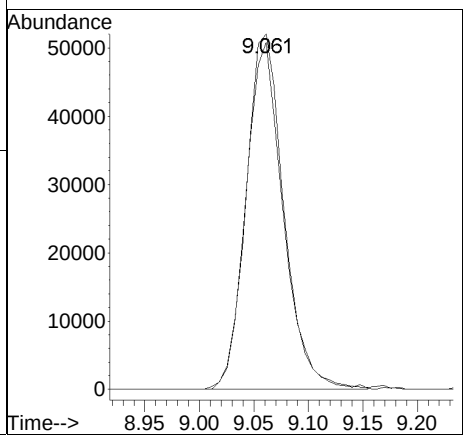


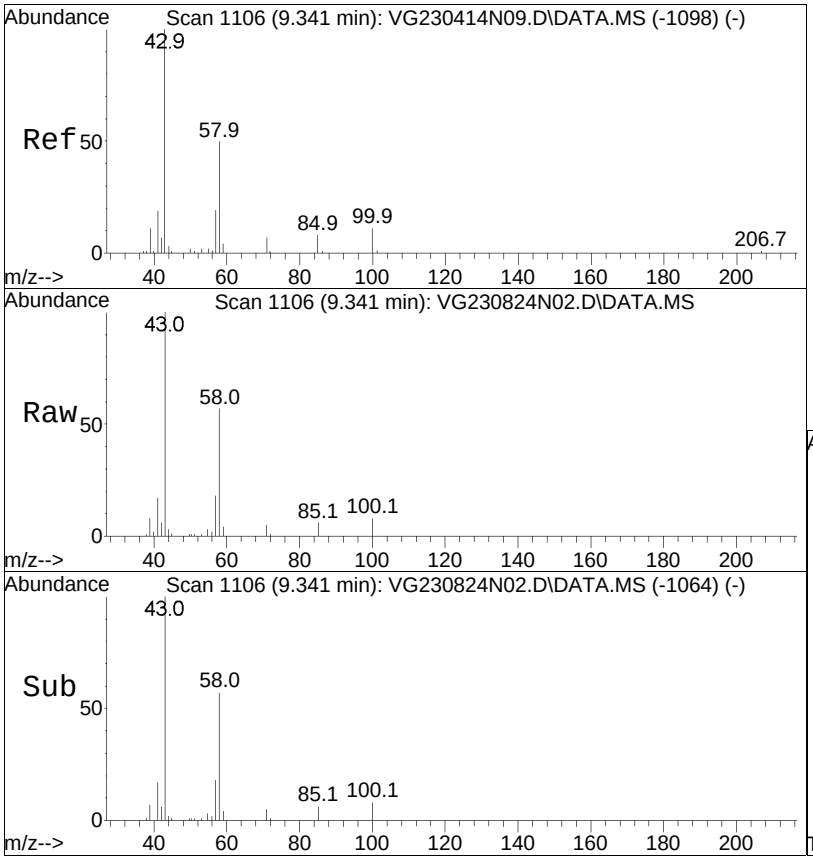


#71
1,2-Dibromoethane
Concen: 9.48 ug/L
RT: 9.061 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:107 Resp: 125739

Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.0	114.0

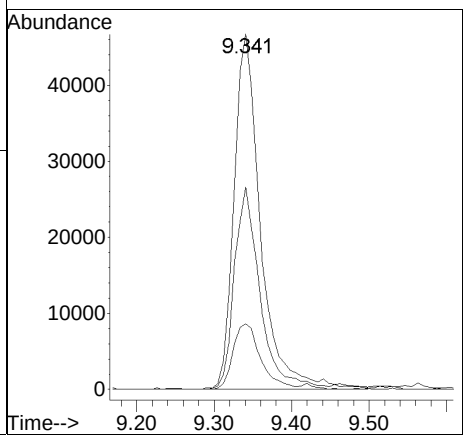


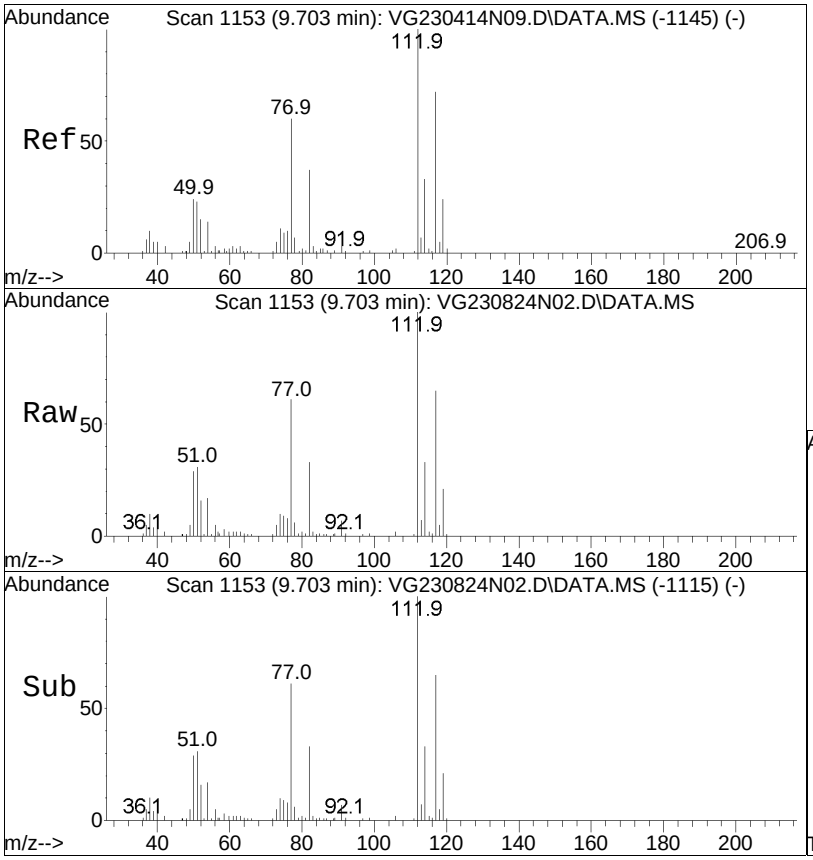


#72
2-Hexanone
Concen: 8.09 ug/L
RT: 9.341 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 43 Resp: 111973

Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.8	65.6
57	19.2	15.2	22.8

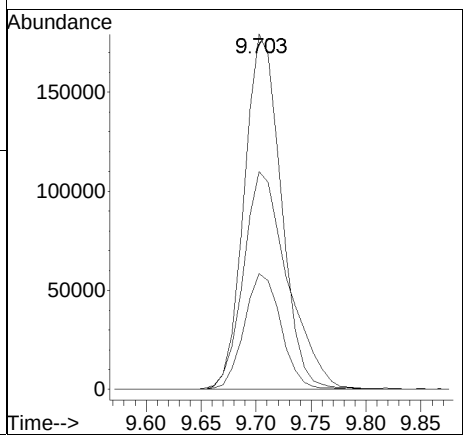


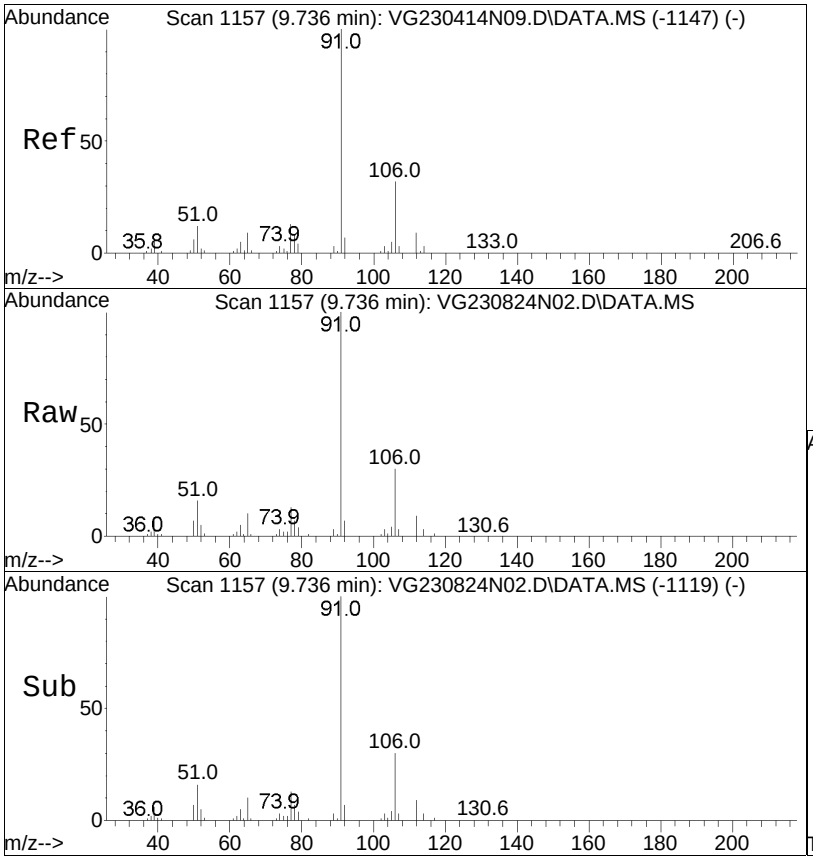


#73
Chlorobenzene
Concen: 10.28 ug/L
RT: 9.703 min Scan# 1153
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:112 Resp: 417261

Ion	Ratio	Lower	Upper
112	100		
77	74.7	55.9	83.9
114	32.8	25.4	38.0

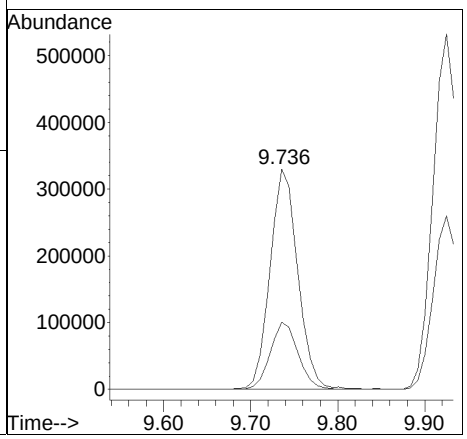


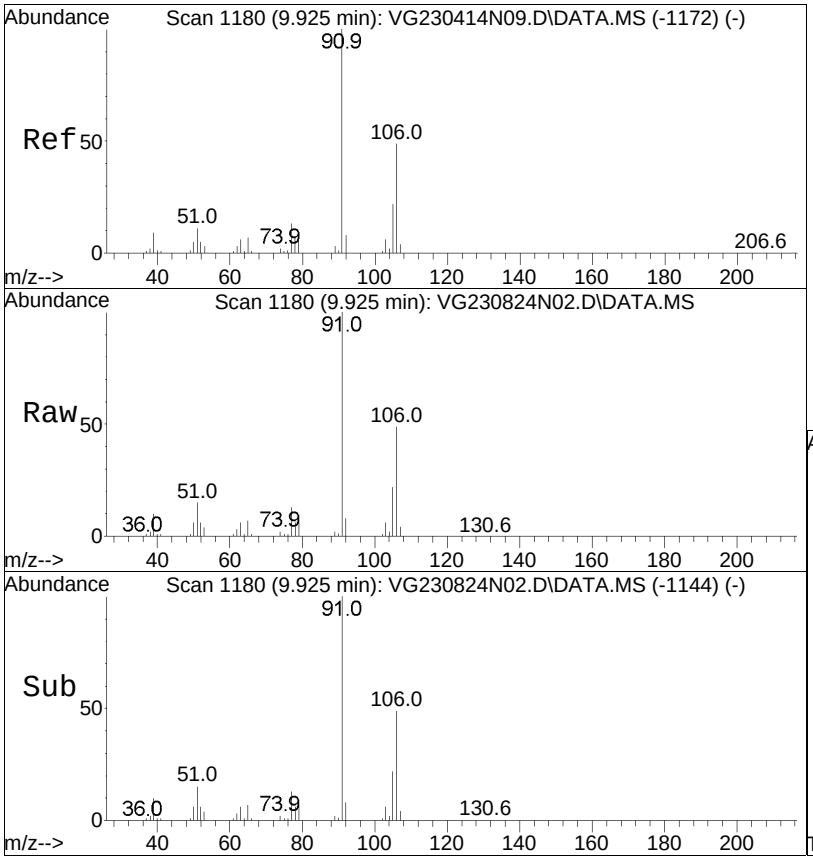


#74
Ethylbenzene
Concen: 10.00 ug/L
RT: 9.736 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 91 Resp: 731743

Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.3	37.9

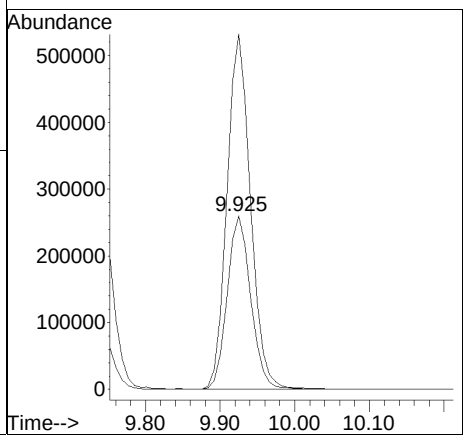


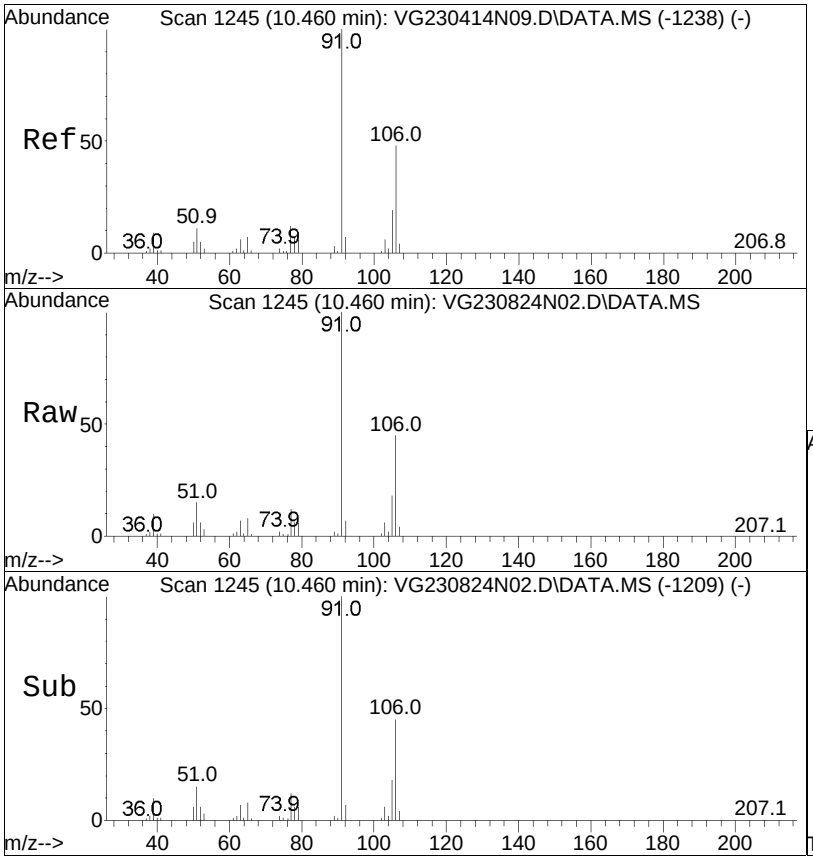


#76
p/m Xylene
Concen: 20.39 ug/L
RT: 9.925 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:106 Resp: 569272

Ion	Ratio	Lower	Upper
106	100		
91	204.1	157.1	235.7

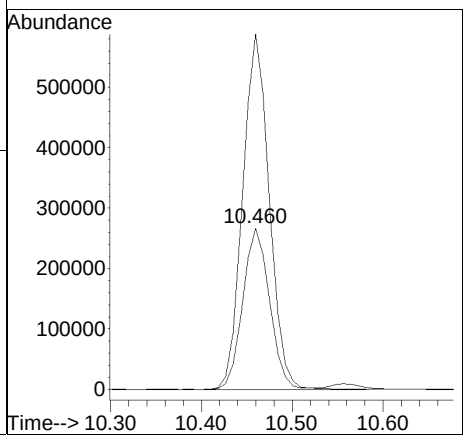


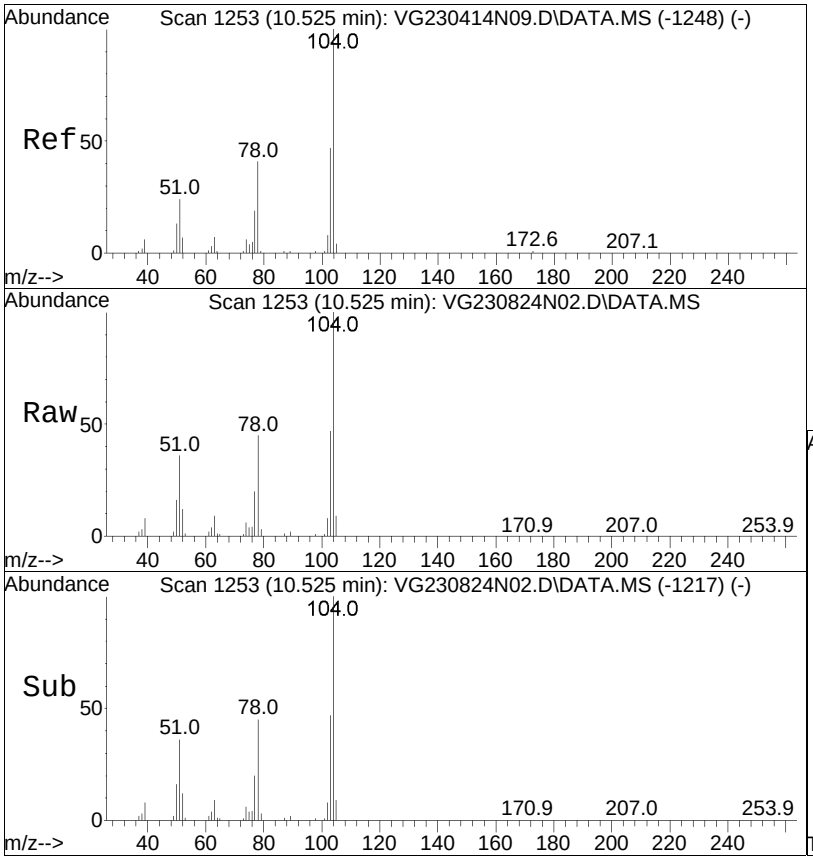


#77
o Xylene
Concen: 20.45 ug/L
RT: 10.460 min Scan# 1245
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:106 Resp: 549260

Ion	Ratio	Lower	Upper
106	100		
91	216.9	164.7	247.1

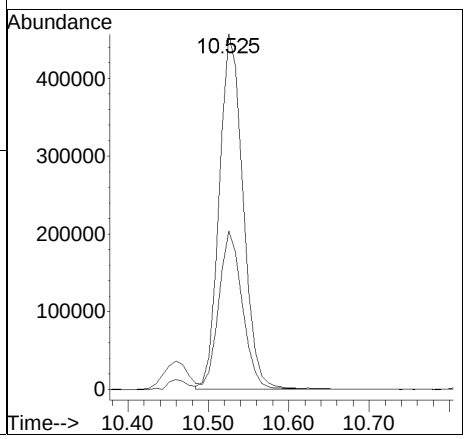


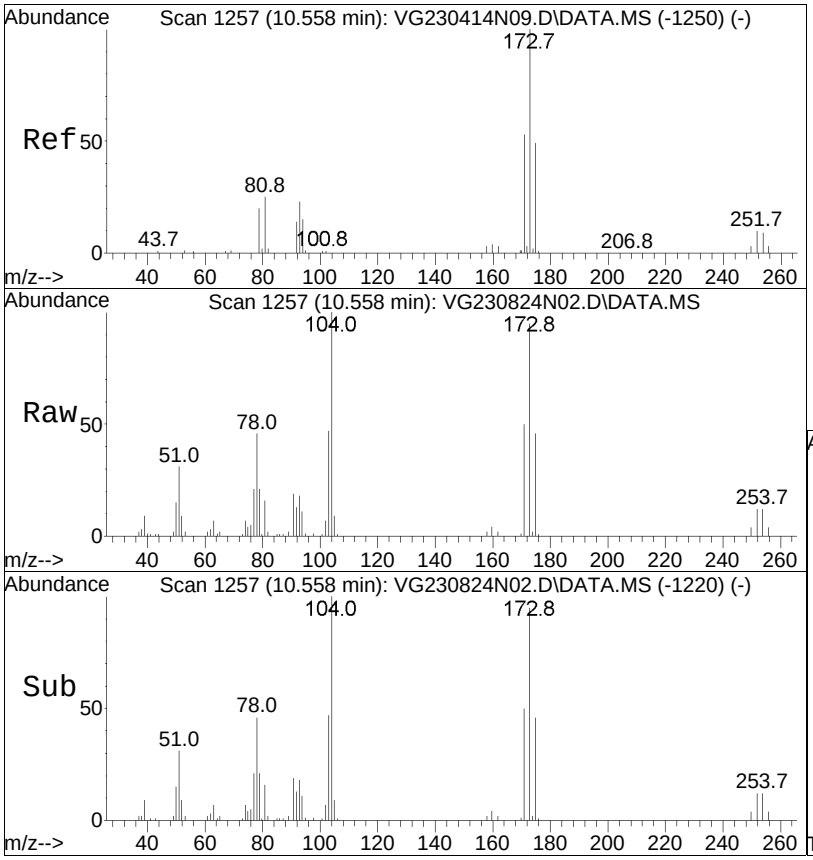


#78
Styrene
Concen: 20.24 ug/L
RT: 10.525 min Scan# 1253
Delta R.T. -0.001 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:104 Resp: 938428

Ion	Ratio	Lower	Upper
104	100		
78	44.0	32.2	48.4

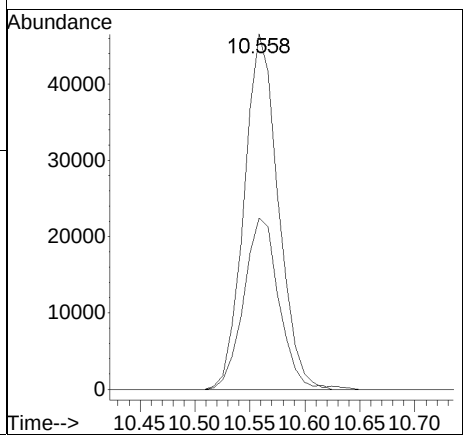


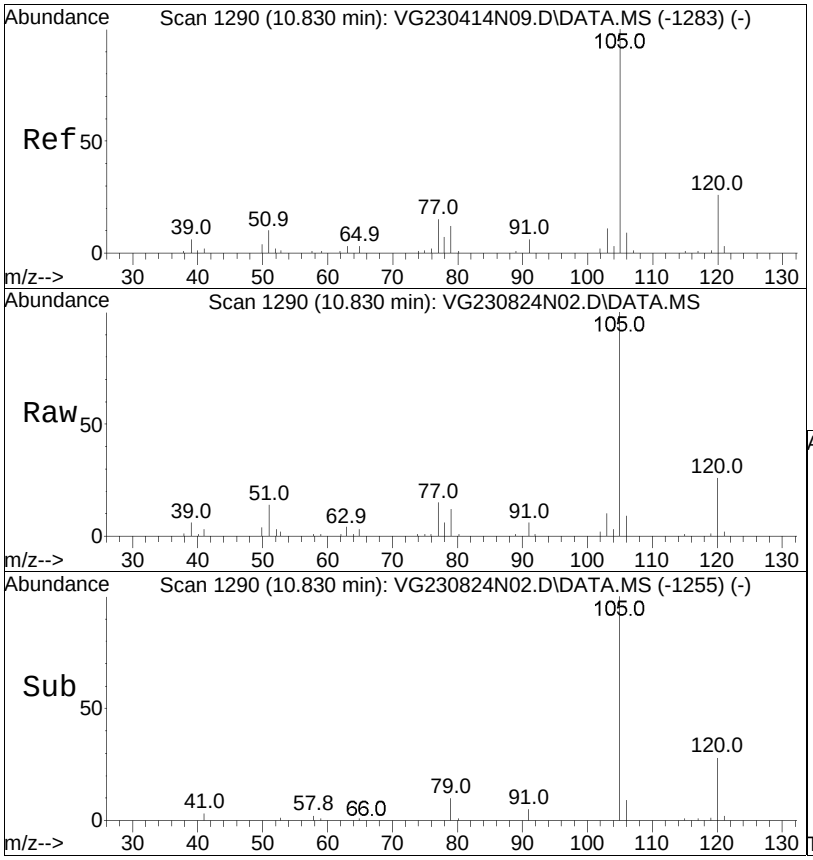


#80
Bromoform
Concen: 9.03 ug/L
RT: 10.558 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:173 Resp: 100857

Ion	Ratio	Lower	Upper
173	100		
175	49.4	28.0	68.0

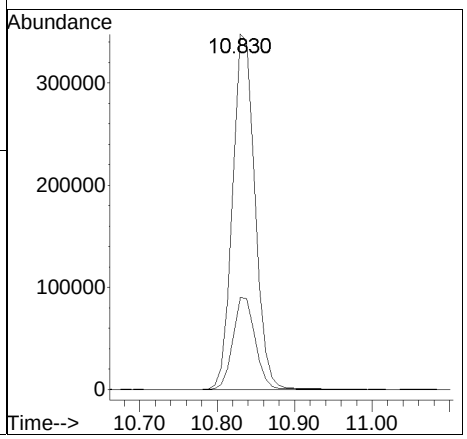


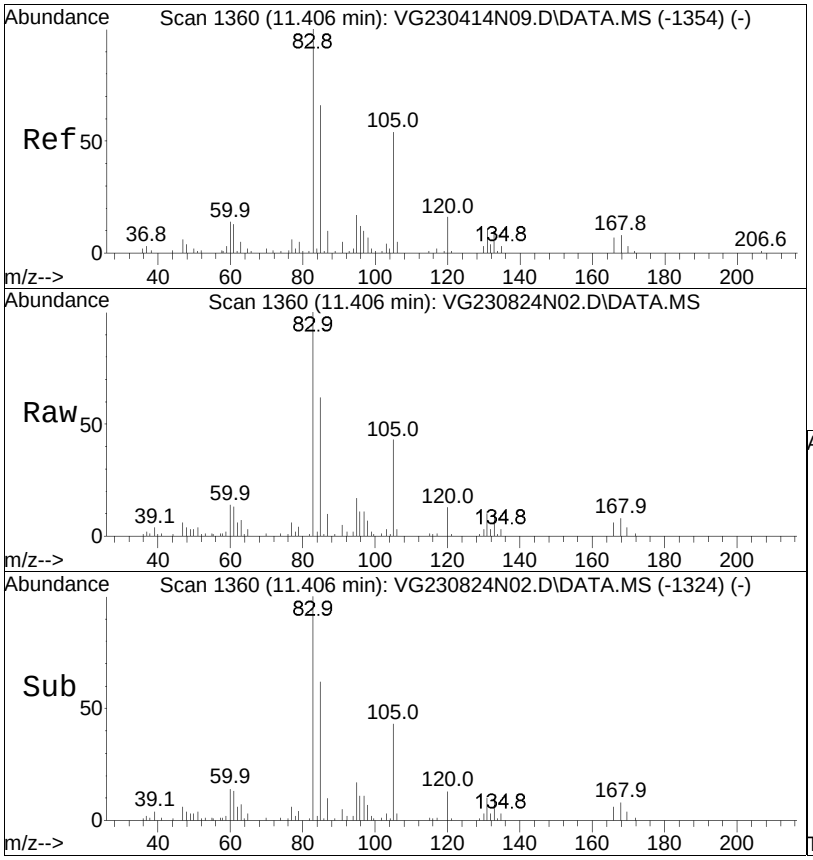


#82
Isopropylbenzene
Concen: 9.65 ug/L
RT: 10.830 min Scan# 1290
Delta R.T. -0.008 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:105 Resp: 699462

Ion	Ratio	Lower	Upper
105	100		
120	25.8	7.0	47.0

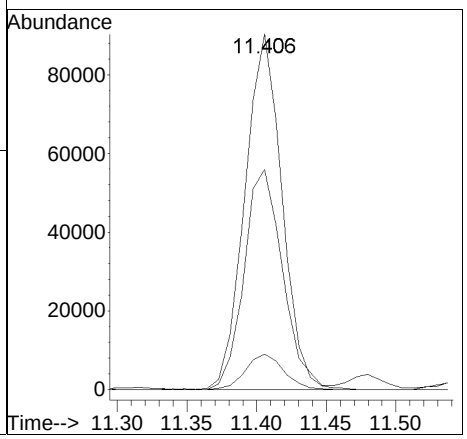


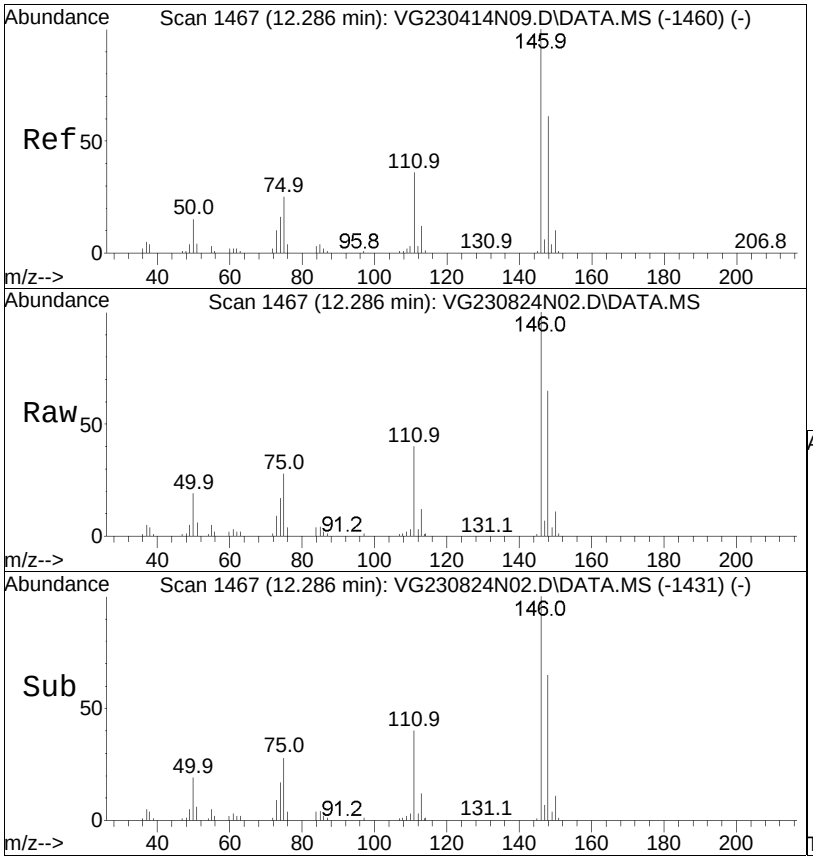


#87
1,1,2,2-Tetrachloroethane
Concen: 10.91 ug/L
RT: 11.406 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion: 83 Resp: 167162

Ion	Ratio	Lower	Upper
83	100		
131	10.1	0.0	31.0
85	64.6	43.9	83.9

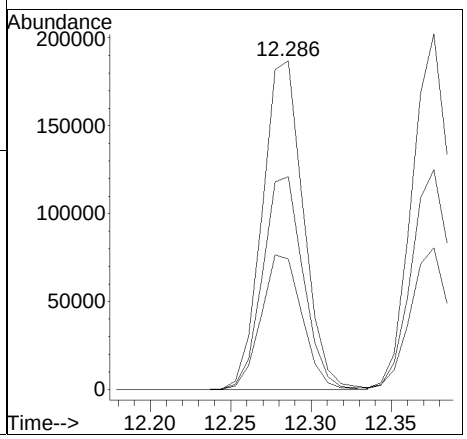


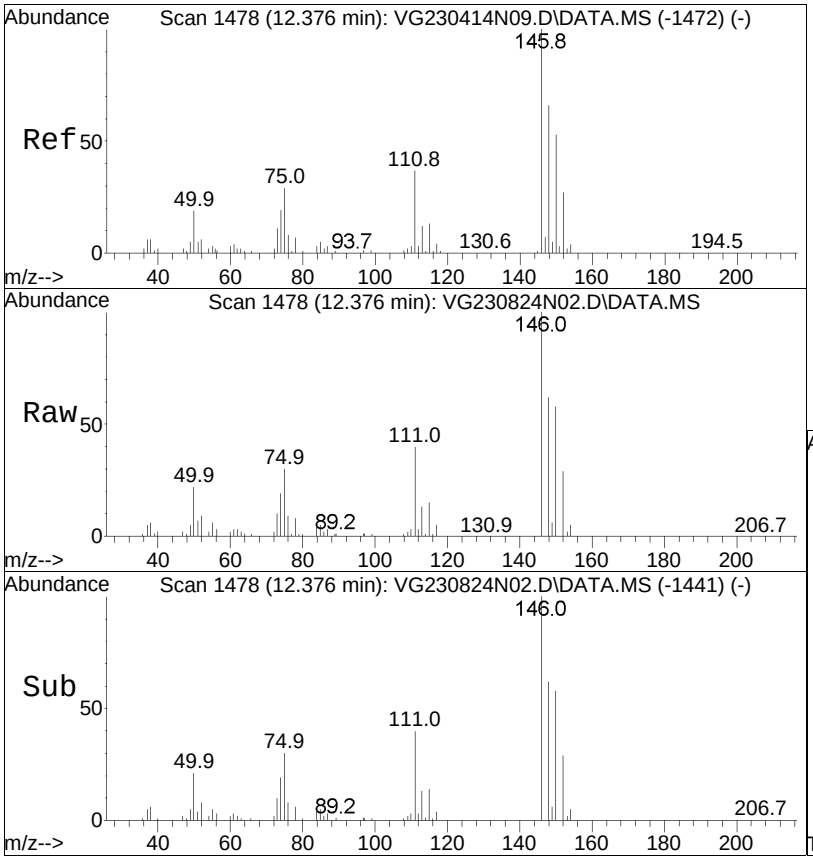


#100
1,3-Dichlorobenzene
Concen: 9.54 ug/L
RT: 12.286 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:146 Resp: 332448

Ion	Ratio	Lower	Upper
146	100		
111	40.6	24.4	50.6
148	64.0	41.0	85.2

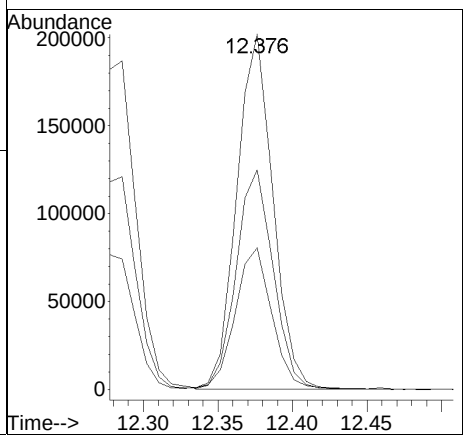


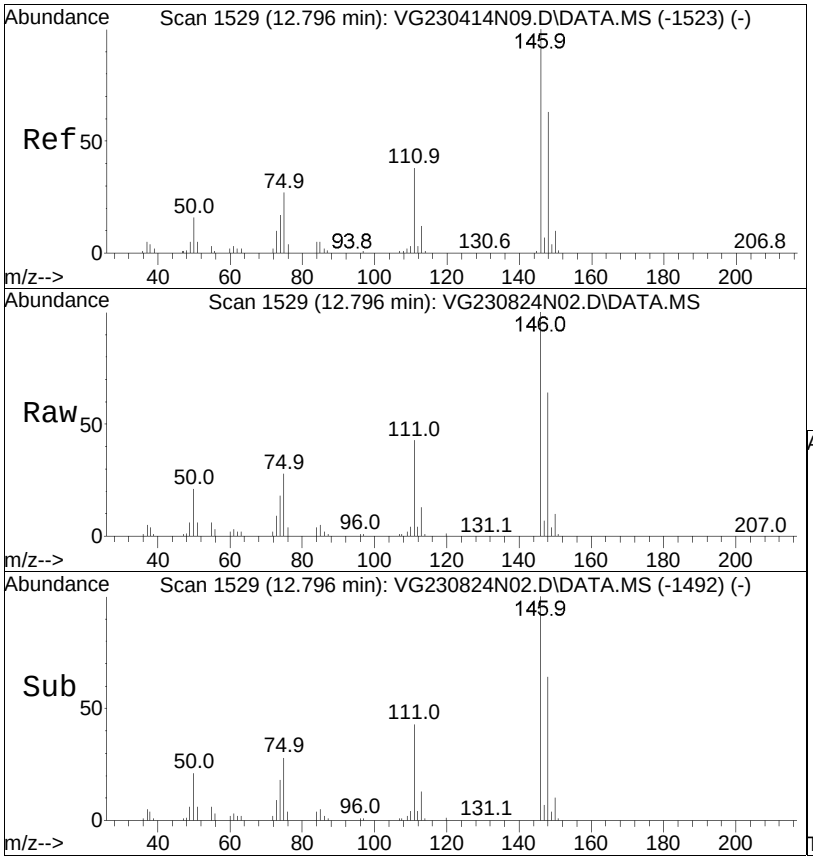


#101
1,4-Dichlorobenzene
Concen: 9.54 ug/L
RT: 12.376 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:146 Resp: 340399

Ion	Ratio	Lower	Upper
146	100		
111	40.9	29.3	43.9
148	63.7	51.2	76.8

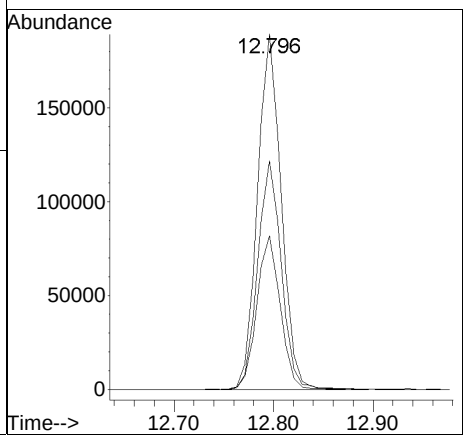


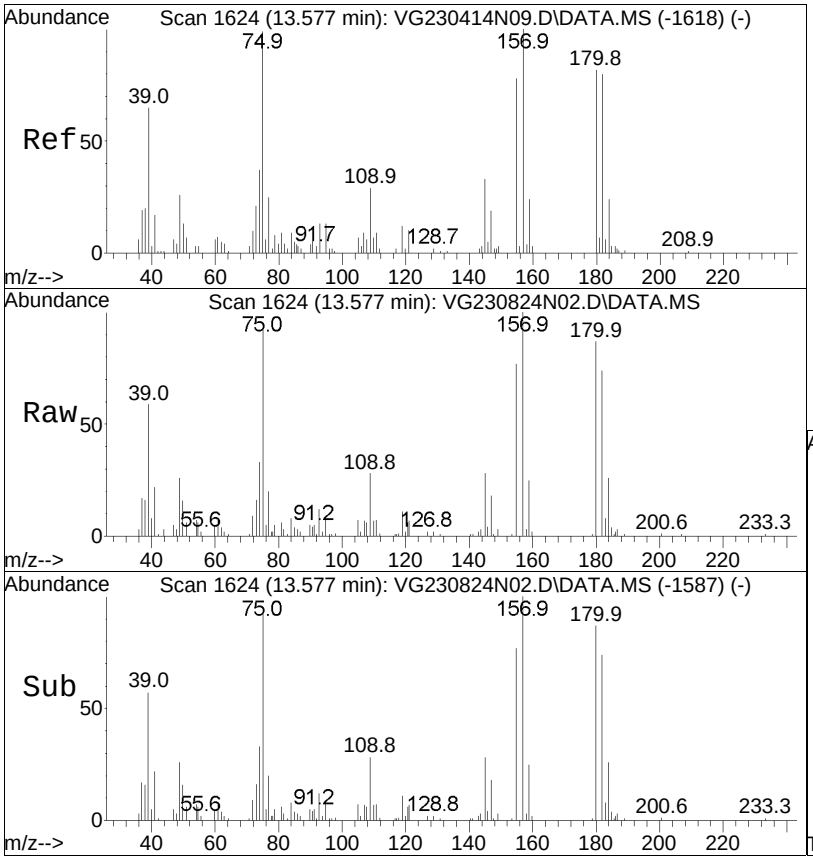


#104
1,2-Dichlorobenzene
Concen: 9.27 ug/L
RT: 12.796 min Scan# 1529
Delta R.T. -0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:146 Resp: 313340

Ion	Ratio	Lower	Upper
146	100		
111	42.6	25.4	52.8
148	63.9	41.7	86.5

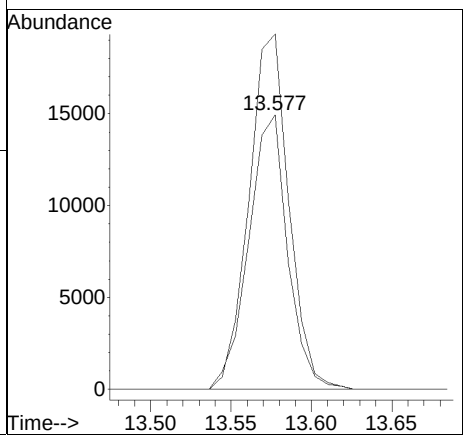


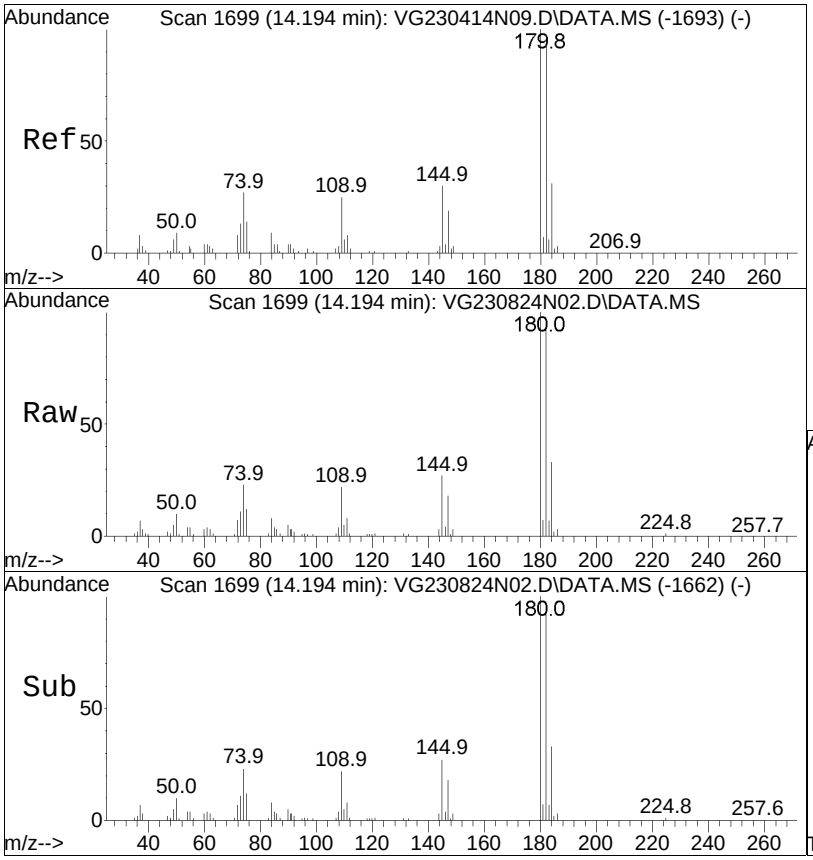


#106
1,2-Dibromo-3-chloropropane
Concen: 8.34 ug/L
RT: 13.577 min Scan# 1624
Delta R.T. 0.008 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:155 Resp: 25290

Ion	Ratio	Lower	Upper
155	100		
157	132.3	99.9	149.9

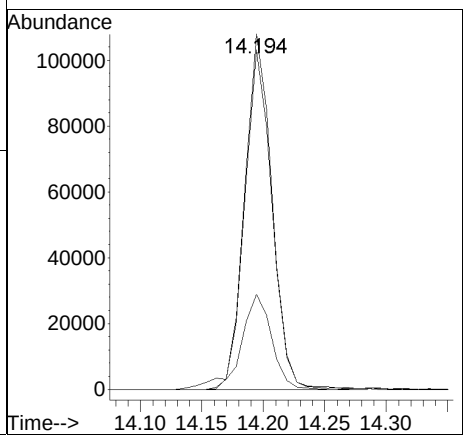


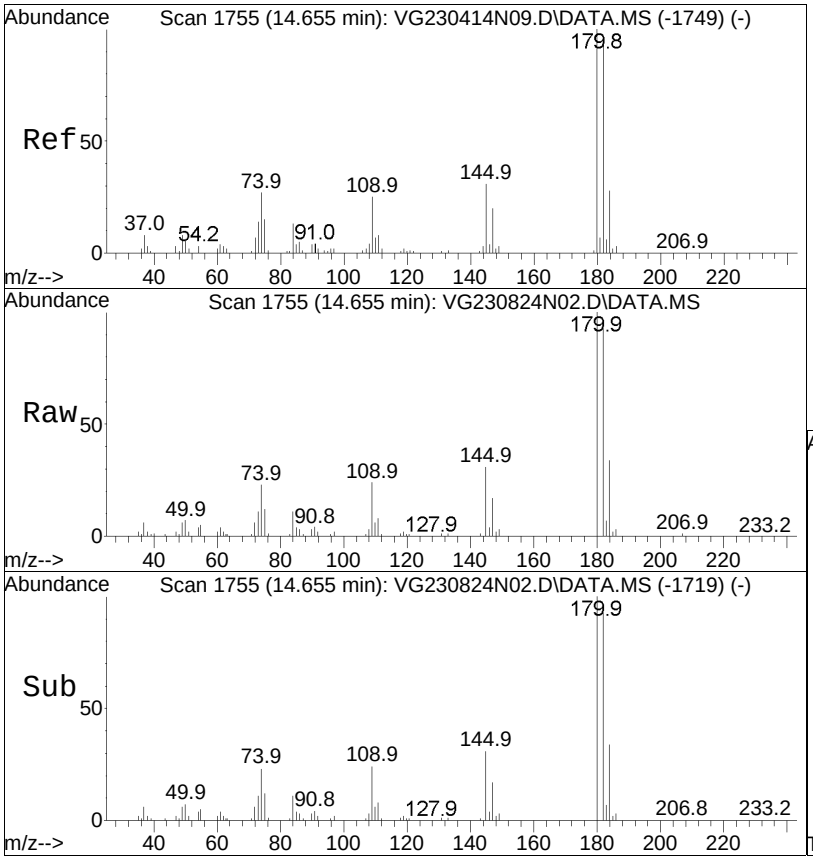


#109
1,2,4-Trichlorobenzene
Concen: 8.68 ug/L
RT: 14.194 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:180 Resp: 167609

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
145	30.2	26.5	39.7

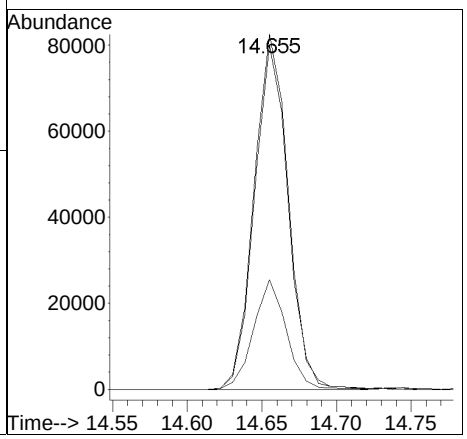




#111
1,2,3-Trichlorobenzene
Concen: 8.35 ug/L
RT: 14.655 min Scan# 1755
Delta R.T. 0.000 min
Lab File: VG230824N02.D
Acq: 24 Aug 2023 6:38 pm

Tgt Ion:180 Resp: 131621

Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.4
145	29.7	24.1	36.1



Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N03.D
Acq On : 24 Aug 2023 7:02 pm
Operator : GONZO:TMS
Sample : WG1820053-4,31,10,10
Misc : WG1820053,ICAL20208
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 19:26:27 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.139	96	604804	10.000	ug/L	0.00
Standard Area 1 = 611548			Recovery = 98.90%			
59) Chlorobenzene-d5	9.686	117	551846	10.000	ug/L	0.00
Standard Area 1 = 553536			Recovery = 99.69%			
79) 1,4-Dichlorobenzene-d4	12.360	152	336726	10.000	ug/L	0.00
Standard Area 1 = 332996			Recovery = 101.12%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.326	113	169934	10.950	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.50%			
43) 1,2-Dichloroethane-d4	5.858	65	232696	11.774	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.74%			
60) Toluene-d8	7.836	98	686318	9.803	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.03%			
83) 4-Bromofluorobenzene	11.167	95	273917	8.972	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.702	85	162454	9.686	ug/L	97
3) Chloromethane	1.915	50	251119	10.332	ug/L	99
4) Vinyl chloride	1.976	62	193601	11.056	ug/L	97
5) Bromomethane	2.295	94	53424	6.014	ug/L	99
6) Chloroethane	2.401	64	106218	13.695	ug/L	97
7) Trichlorofluoromethane	2.546	101	189439	9.699	ug/L	99
10) 1,1-Dichloroethene	3.055	96	123844	10.006	ug/L #	59
11) Carbon disulfide	3.085	76	375269	9.743	ug/L	99
12) Freon-113	3.093	101	132885	10.106	ug/L #	78
15) Methylene chloride	3.625	84	143048	9.606	ug/L #	55
17) Acetone	3.663	43	46160	8.303	ug/L #	87
18) trans-1,2-Dichloroethene	3.769	96	137080	10.325	ug/L #	68
19) Methyl acetate	3.777	43	122810	9.898	ug/L #	88
20) Methyl tert-butyl ether	3.852	73	419164	9.843	ug/L #	82
23) 1,1-Dichloroethane	4.361	63	337636	11.684	ug/L	95
28) cis-1,2-Dichloroethene	4.886	96	154359	10.046	ug/L #	70
30) Bromochloromethane	5.076	128	72265	11.580	ug/L #	54
31) Cyclohexane	5.068	56	353829	10.311	ug/L #	63
32) Chloroform	5.152	83	258136	10.577	ug/L	96
34) Carbon tetrachloride	5.281	117	195803	10.152	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N03.D
Acq On : 24 Aug 2023 7:02 pm
Operator : GONZO:TMS
Sample : WG1820053-4,31,10,10
Misc : WG1820053,ICAL20208
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 19:26:27 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2023\230824N\VG230824N02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	5.349	97	225546	10.057	ug/L		91
39) 2-Butanone	5.448	43	71776	8.583	ug/L	#	68
41) Benzene	5.714	78	579342	10.167	ug/L	#	86
44) 1,2-Dichloroethane	5.926	62	245019	11.511	ug/L		97
47) Methyl cyclohexane	6.299	83	205603	8.237	ug/L	#	41
48) Trichloroethene	6.314	95	152259	8.889	ug/L		97
51) 1,2-Dichloropropane	6.869	63	192763	11.657	ug/L	#	91
54) Bromodichloromethane	6.945	83	194678	10.002	ug/L		100
57) 1,4-Dioxane	7.141	88	62338	418.086	ug/L	#	56
58) cis-1,3-Dichloropropene	7.628	75	235881	9.845	ug/L		90
61) Toluene	7.894	92	363555	9.501	ug/L		100
62) 4-Methyl-2-pentanone	8.330	58	63520	9.725	ug/L	#	96
63) Tetrachloroethene	8.338	166	155438	9.288	ug/L		97
65) trans-1,3-Dichloropropene	8.381	75	215604	9.169	ug/L		97
68) 1,1,2-Trichloroethane	8.567	83	105691	9.416	ug/L		98
69) Chlorodibromomethane	8.782	129	142802	9.522	ug/L		99
71) 1,2-Dibromoethane	9.061	107	127255	9.626	ug/L		100
72) 2-Hexanone	9.341	43	111504	8.083	ug/L		98
73) Chlorobenzene	9.711	112	404721	10.004	ug/L		96
74) Ethylbenzene	9.736	91	694401	9.518	ug/L		99
76) p/m Xylene	9.925	106	539844	19.398	ug/L		93
77) o Xylene	10.460	106	529241	19.766	ug/L		94
78) Styrene	10.525	104	907773	19.643	ug/L		94
80) Bromoform	10.558	173	99398	8.804	ug/L		100
82) Isopropylbenzene	10.838	105	658910	8.990	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.406	83	165672	10.689	ug/L		100
100) 1,3-Dichlorobenzene	12.286	146	323072	9.166	ug/L		98
101) 1,4-Dichlorobenzene	12.376	146	331469	9.185	ug/L		97
104) 1,2-Dichlorobenzene	12.796	146	309230	9.045	ug/L		97
106) 1,2-Dibromo-3-chloropr...	13.569	155	24239	7.908	ug/L		93
109) 1,2,4-Trichlorobenzene	14.194	180	163225	8.363	ug/L		98
111) 1,2,3-Trichlorobenzene	14.655	180	127734	8.016	ug/L		97

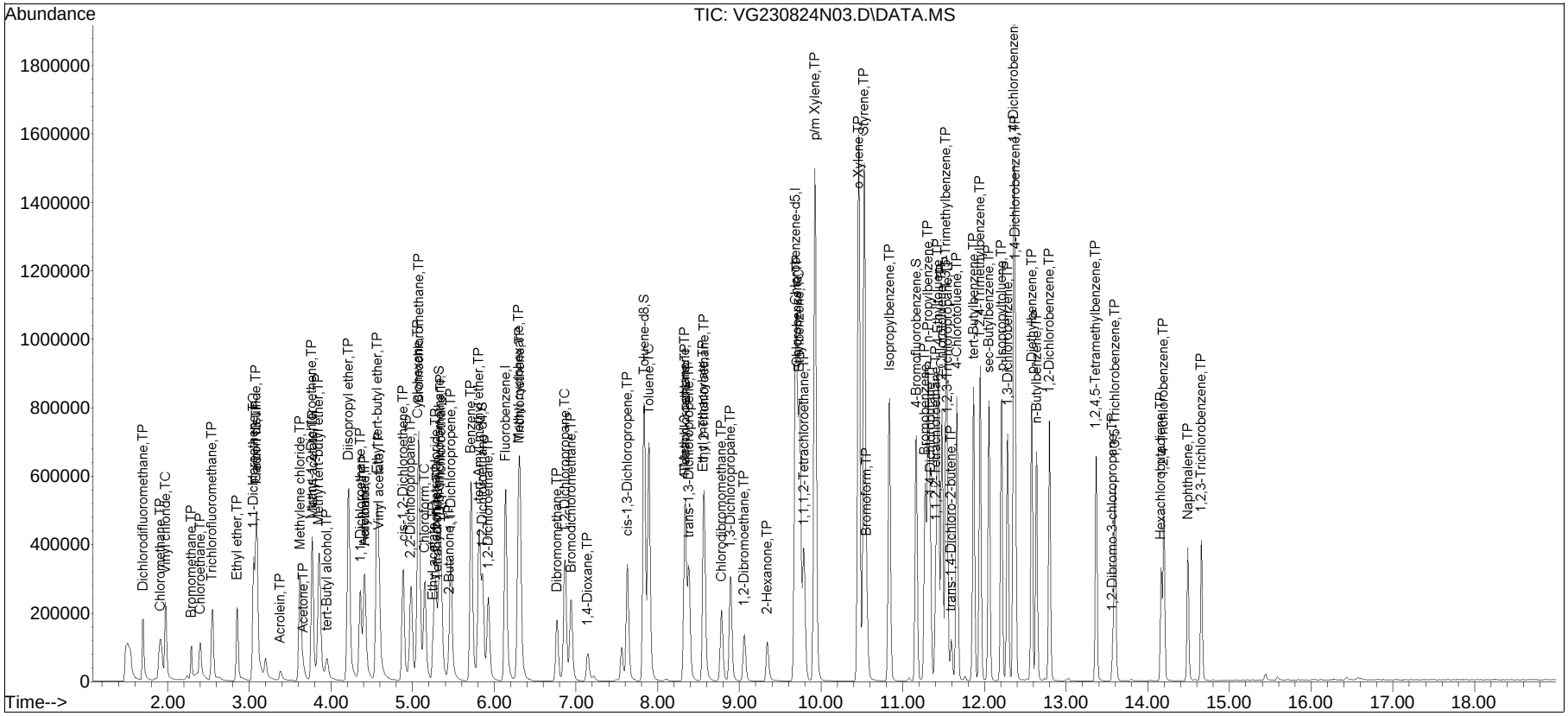
(#) = qualifier out of range (m) = manual integration (+) = signals summed

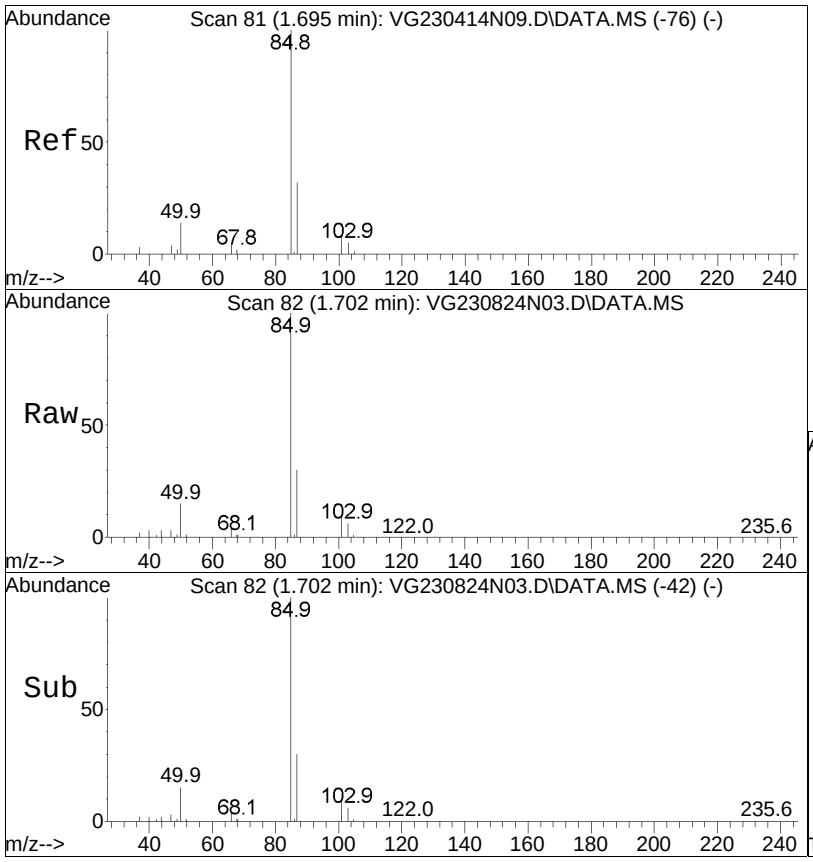
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2023\230824N\
Data File : VG230824N03.D
Acq On : 24 Aug 2023 7:02 pm
Operator : GONZO:TMS
Sample : WG1820053-4,31,10,10
Misc : WG1820053,ICAL20208
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 24 19:26:27 2023
Quant Method : K:\Gonzo\2023\230824N\G_230726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 27 11:43:17 2023
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

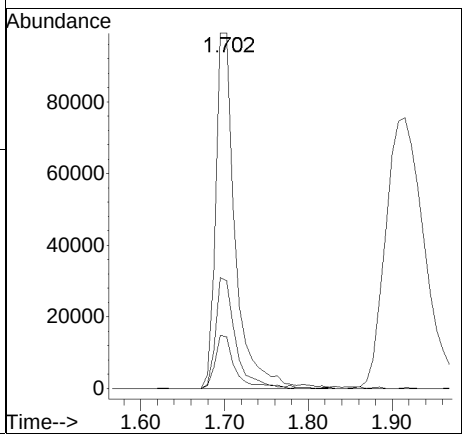


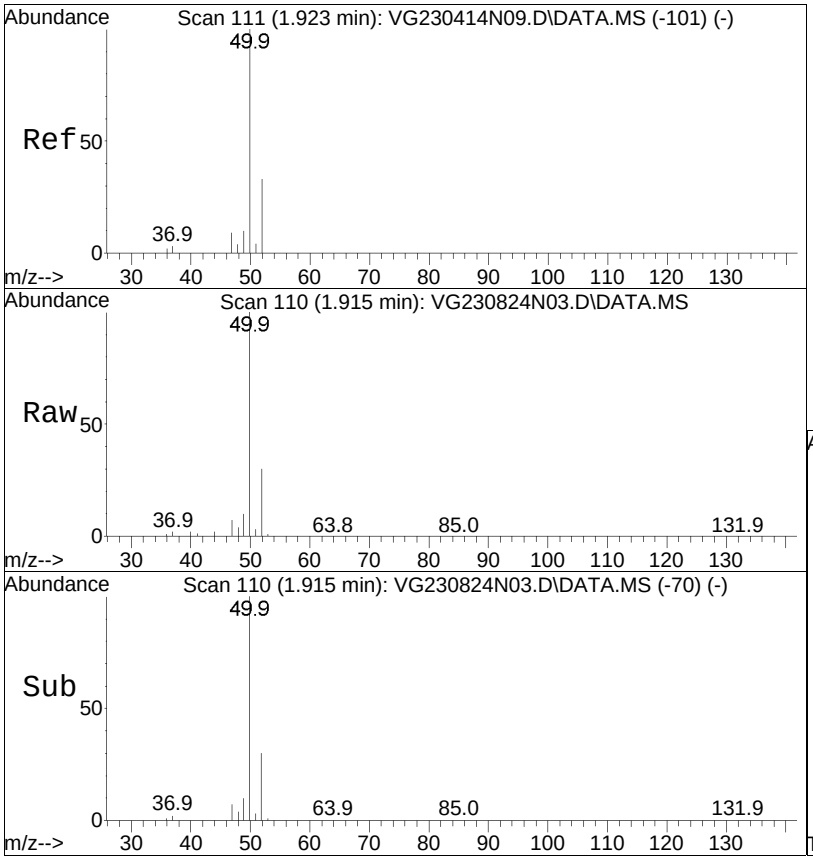


#2
Dichlorodifluoromethane
Concen: 9.69 ug/L
RT: 1.702 min Scan# 82
Delta R.T. 0.007 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 85 Resp: 162454

Ion	Ratio	Lower	Upper
85	100		
87	31.5	20.7	42.9
50	14.9	7.5	15.5

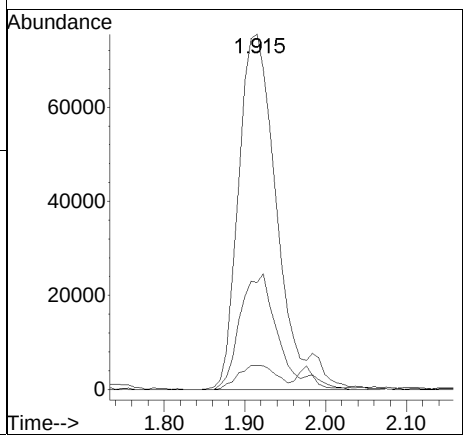


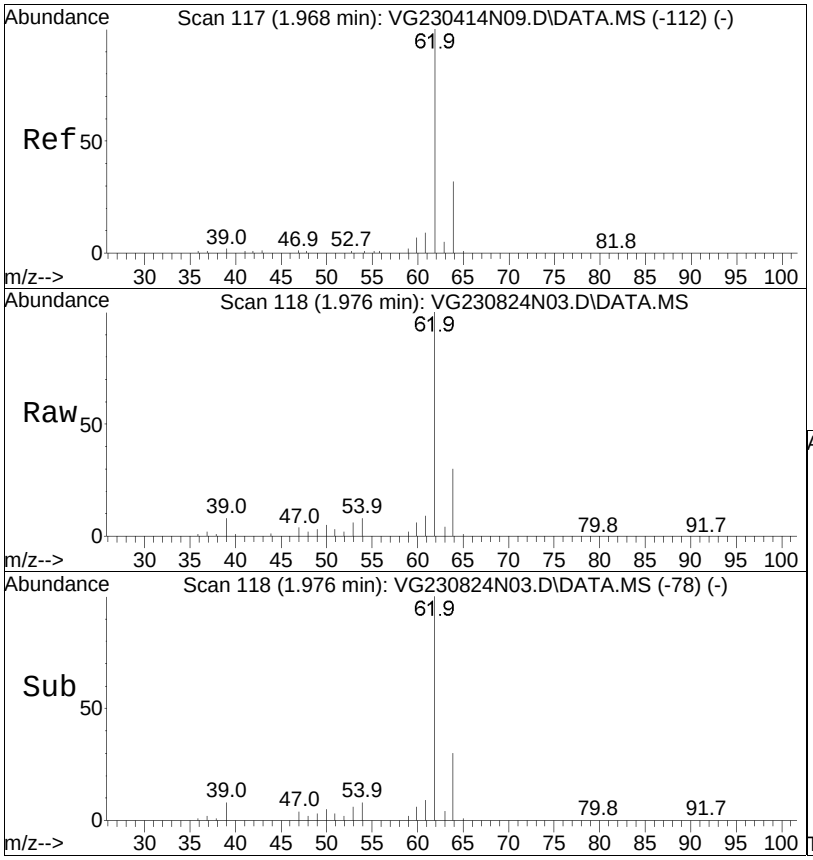


#3
Chloromethane
Concen: 10.33 ug/L
RT: 1.915 min Scan# 110
Delta R.T. 0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 50 Resp: 251119

Ion	Ratio	Lower	Upper
50	100		
52	32.2	11.7	51.7
47	6.7	0.0	28.0

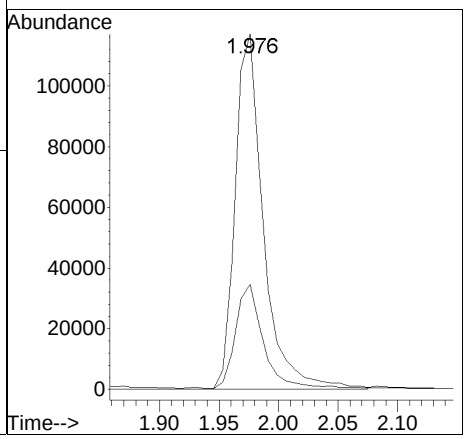


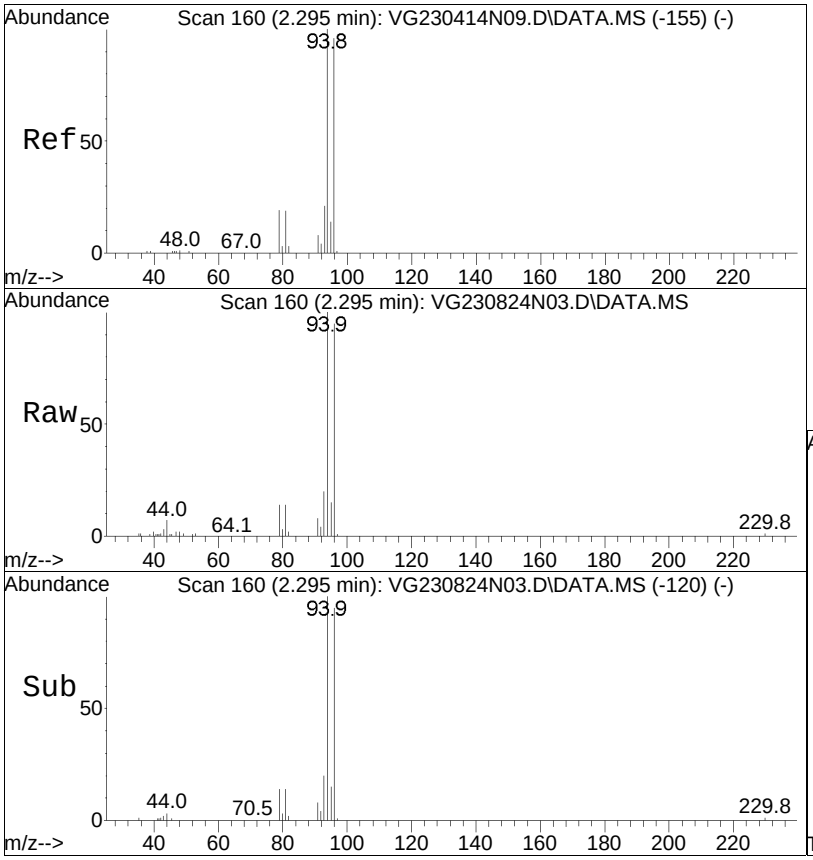


#4
Vinyl chloride
Concen: 11.06 ug/L
RT: 1.976 min Scan# 118
Delta R.T. 0.007 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 62 Resp: 193601

Ion	Ratio	Lower	Upper
62	100		
64	29.5	11.3	51.3

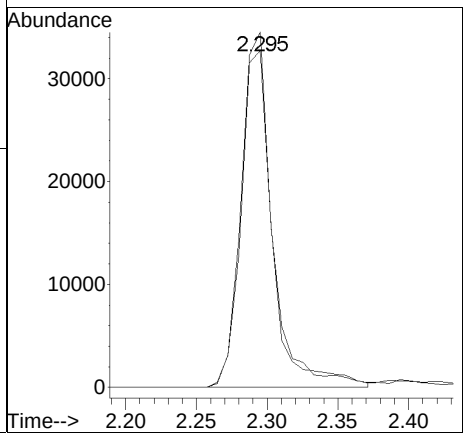


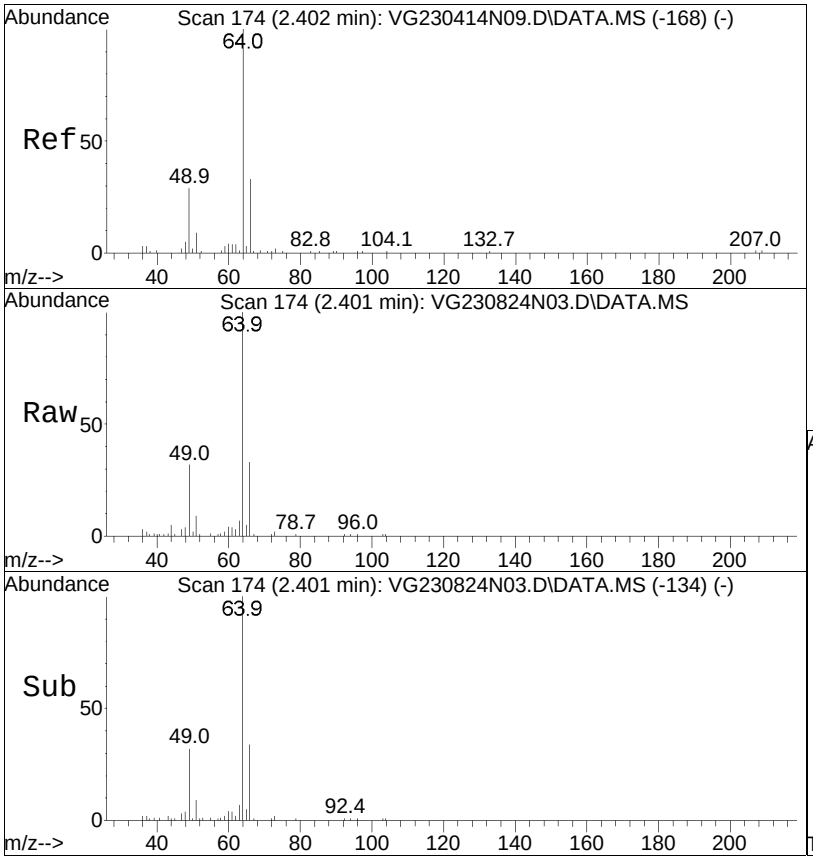


#5
Bromomethane
Concen: 6.01 ug/L
RT: 2.295 min Scan# 160
Delta R.T. 0.007 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 94 Resp: 53424

Ion	Ratio	Lower	Upper
94	100		
96	96.3	75.2	115.2

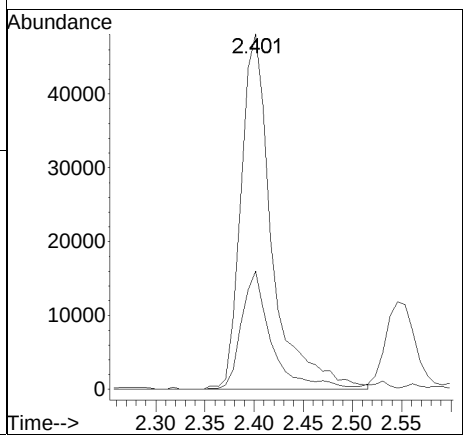


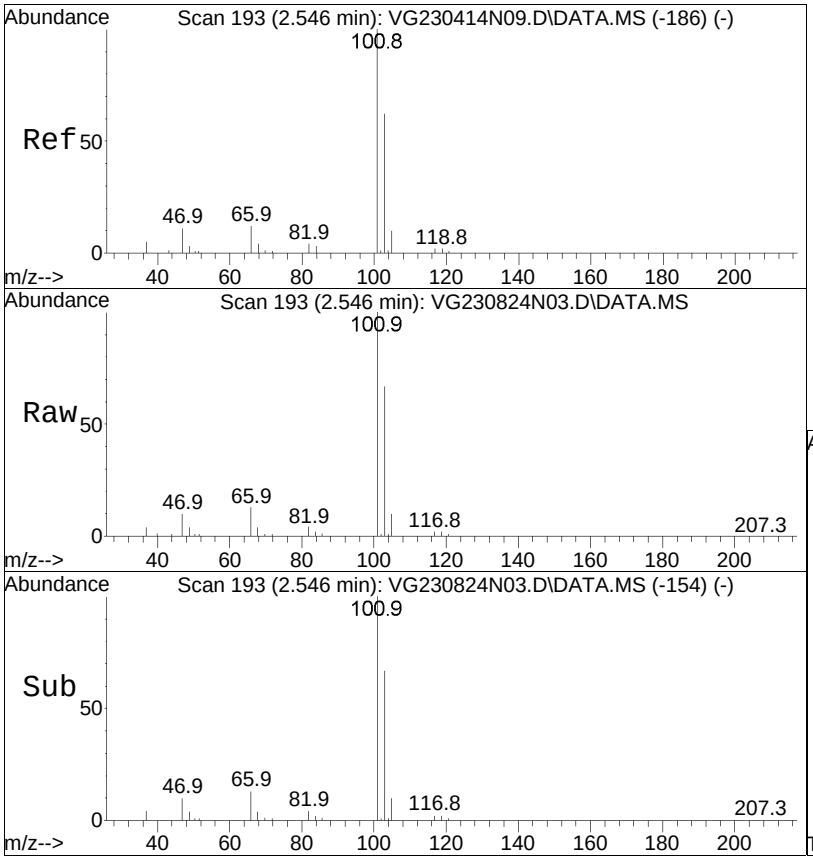


#6
Chloroethane
Concen: 13.69 ug/L
RT: 2.401 min Scan# 174
Delta R.T. 0.007 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 64 Resp: 106218

Ion	Ratio	Lower	Upper
64	100		
66	32.1	13.7	53.7

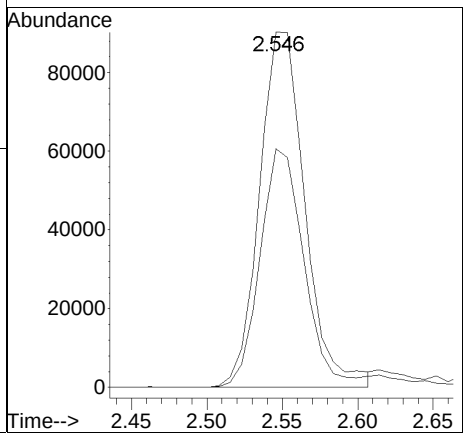


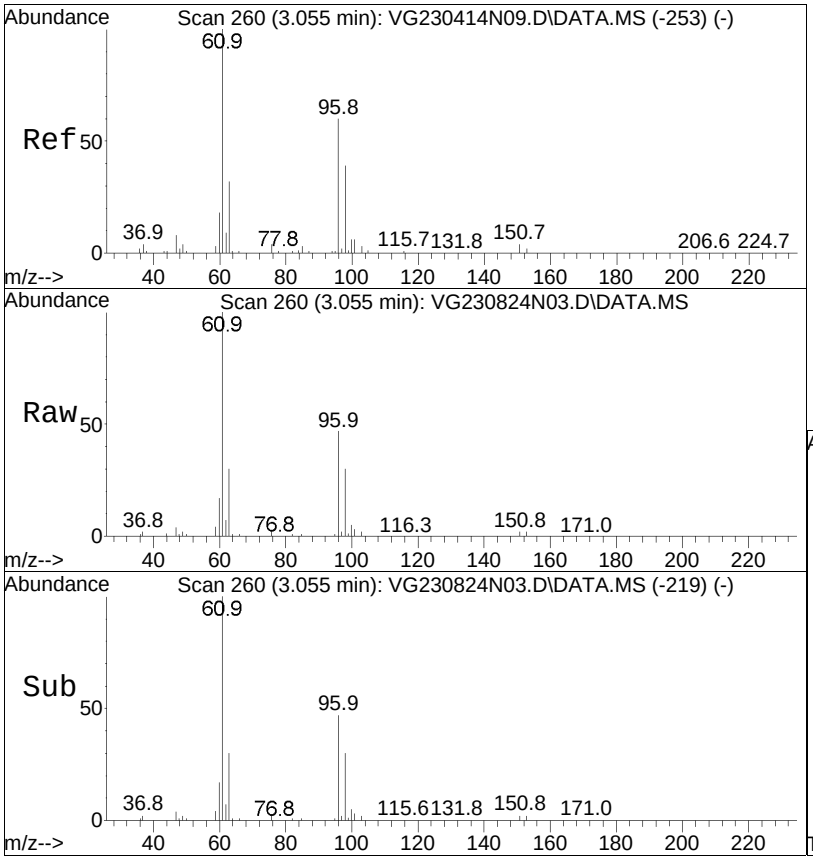


#7
Trichlorofluoromethane
Concen: 9.70 ug/L
RT: 2.546 min Scan# 193
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:101 Resp: 189439

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2

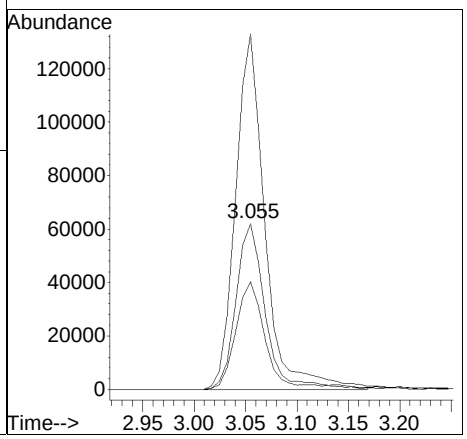


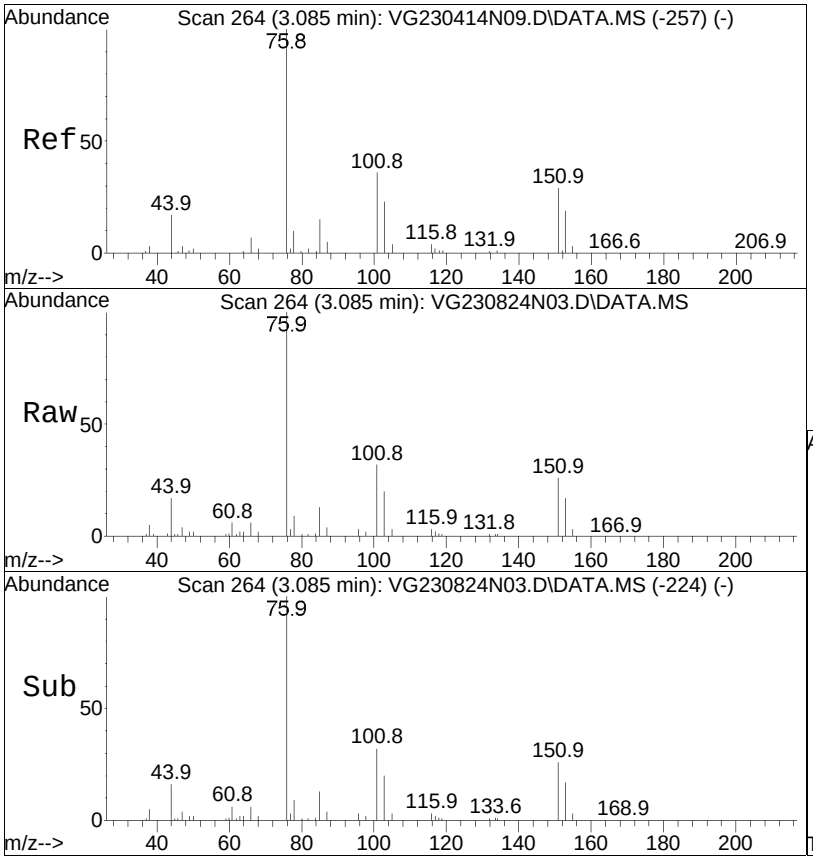


#10
1,1-Dichloroethene
Concen: 10.01 ug/L
RT: 3.055 min Scan# 260
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 96 Resp: 123844

Ion	Ratio	Lower	Upper
96	100		
61	215.4	124.2	186.4#
63	66.1	40.0	60.0#

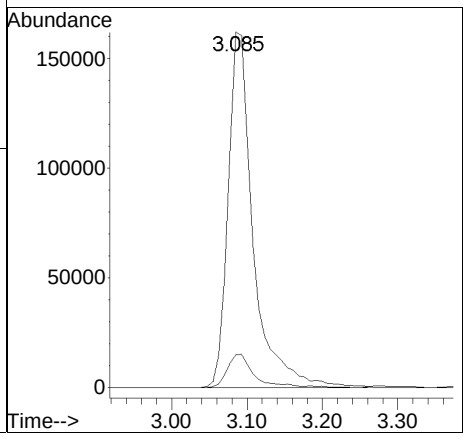


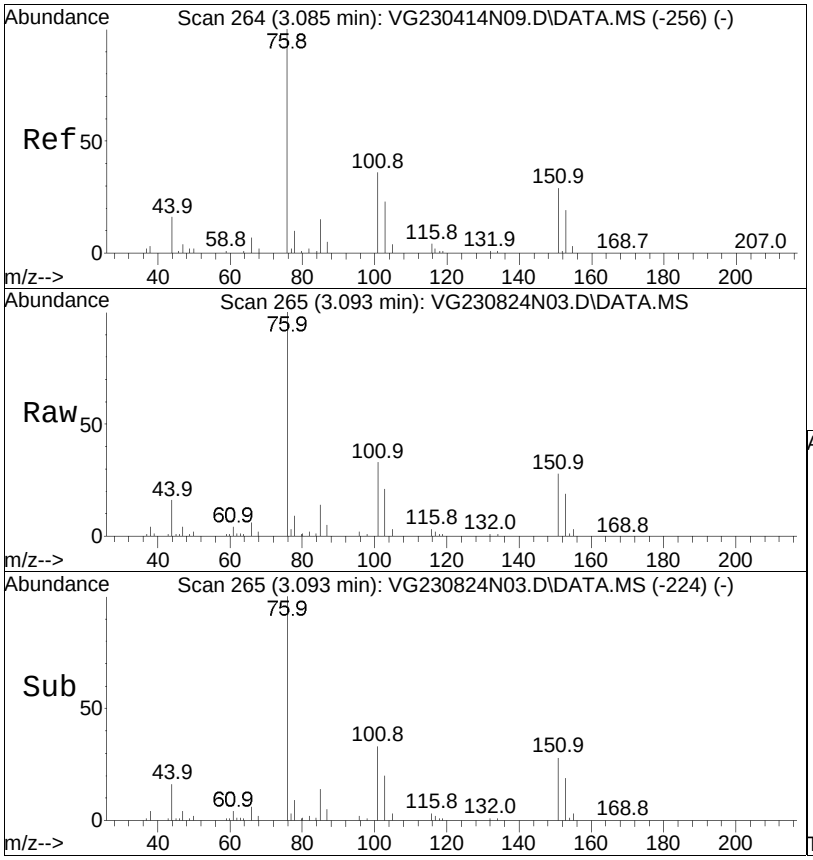


#11
Carbon disulfide
Concen: 9.74 ug/L
RT: 3.085 min Scan# 264
Delta R.T. 0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 76 Resp: 375269

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.6	13.6

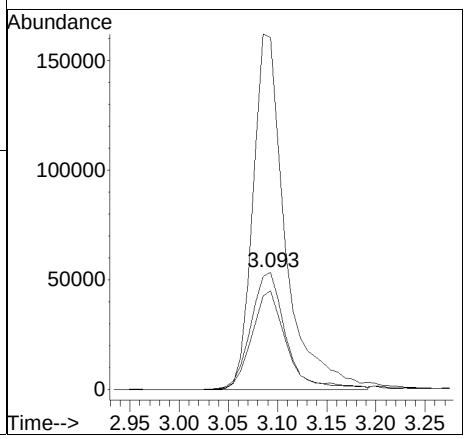


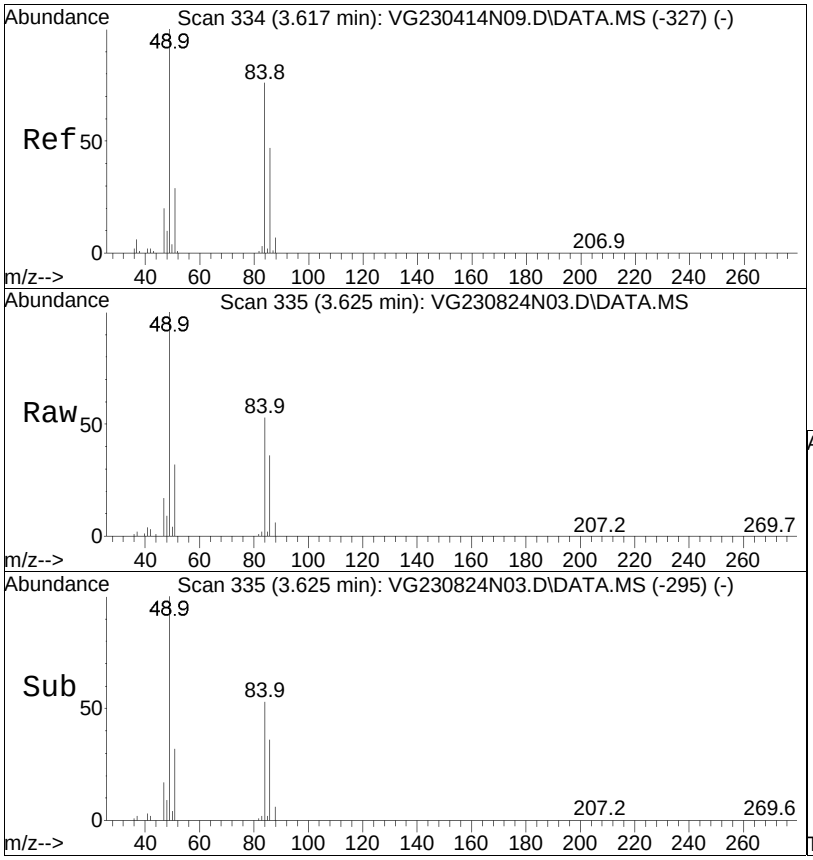


#12
Freon-113
Concen: 10.11 ug/L
RT: 3.093 min Scan# 265
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:101 Resp: 132885

Ion	Ratio	Lower	Upper
101	100		
151	84.5	68.2	102.2
76	282.4	186.0	279.0#

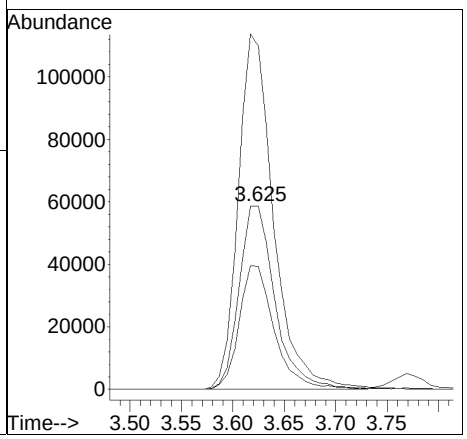


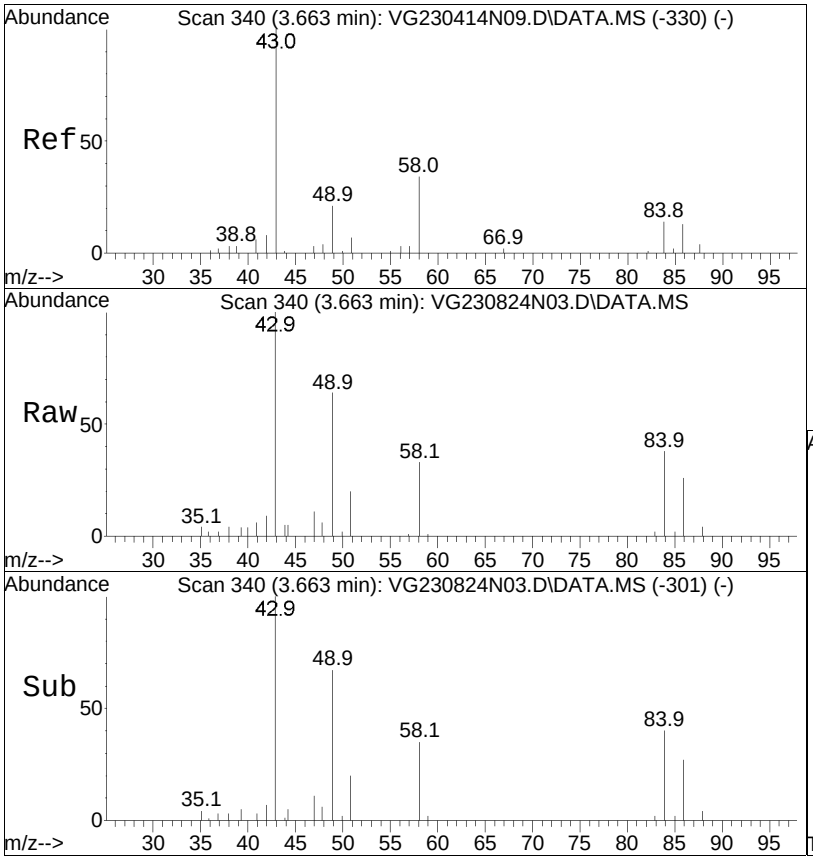


#15
Methylene chloride
Concen: 9.61 ug/L
RT: 3.625 min Scan# 335
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 84 Resp: 143048

Ion	Ratio	Lower	Upper
84	100		
86	66.2	41.1	85.5
49	190.2	76.2	158.2#

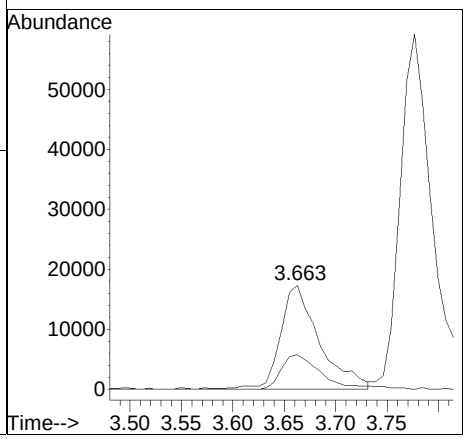


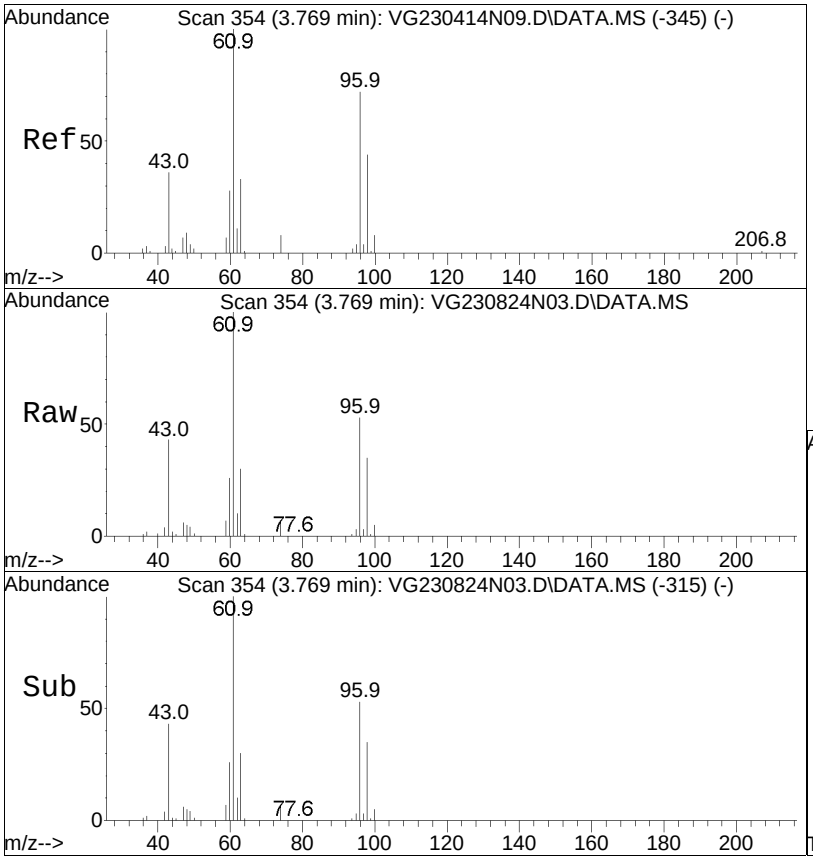


#17
Acetone
Concen: 8.30 ug/L
RT: 3.663 min Scan# 340
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 43 Resp: 46160

Ion	Ratio	Lower	Upper
43	100		
58	34.7	22.2	33.4#

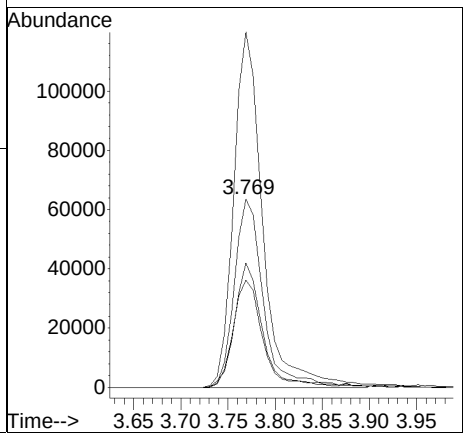


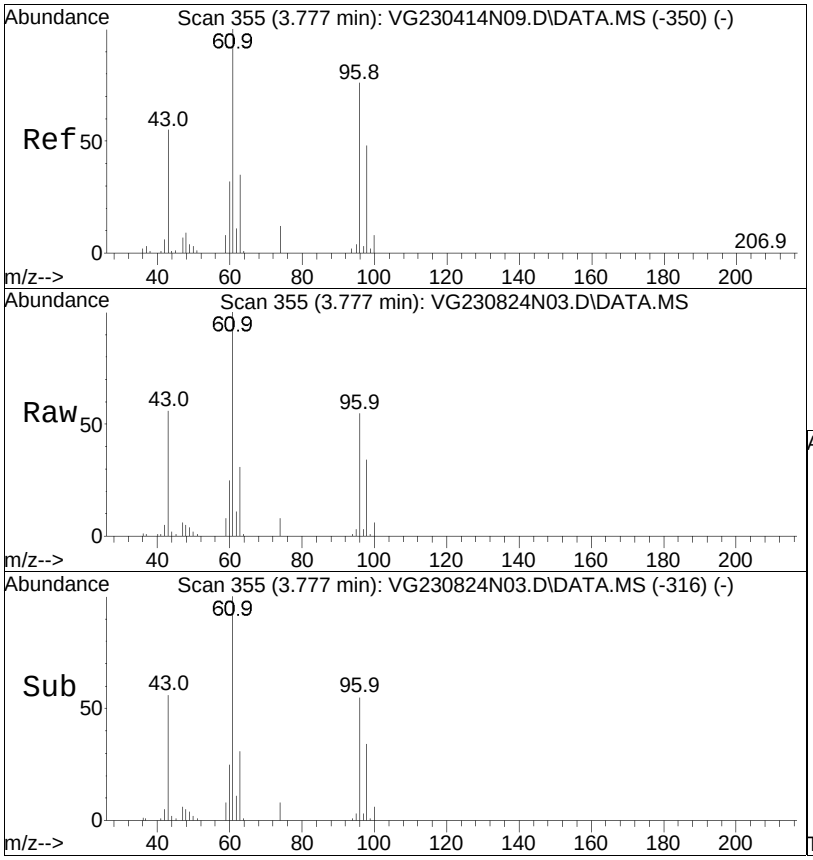


#18
trans-1,2-Dichloroethene
Concen: 10.32 ug/L
RT: 3.769 min Scan# 354
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 96 Resp: 137080

Ion	Ratio	Lower	Upper
96	100		
61	189.5	85.7	178.1#
98	64.0	40.2	83.4
63	57.6	28.0	58.2

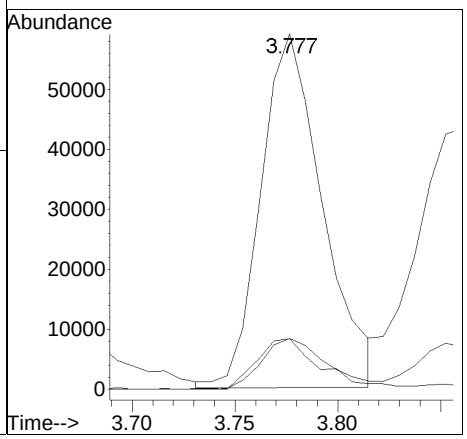


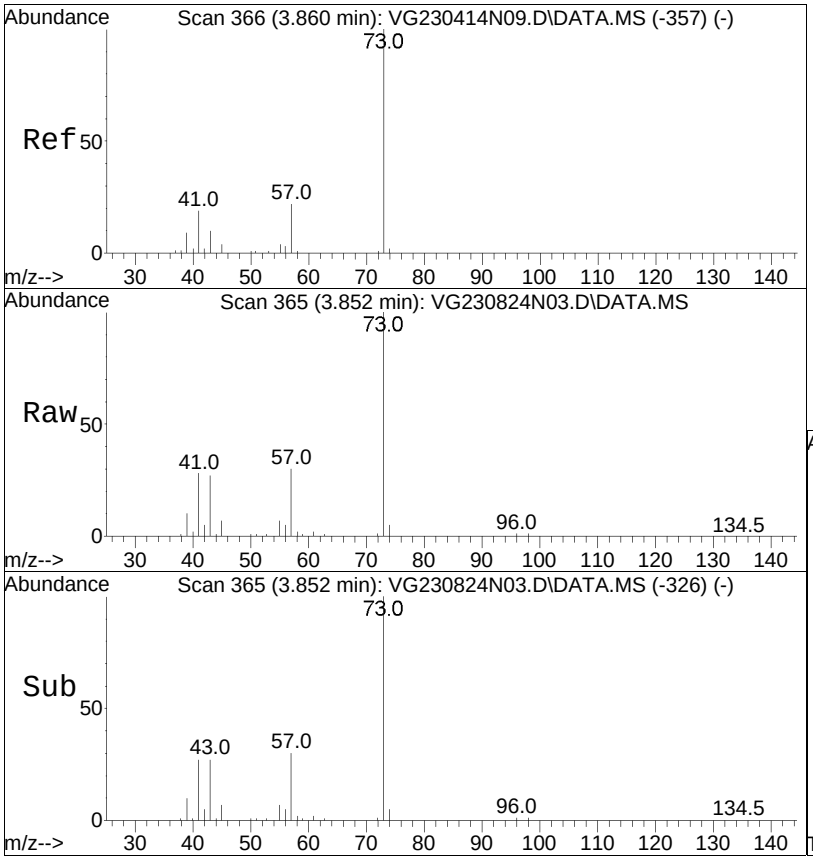


#19
Methyl acetate
Concen: 9.90 ug/L
RT: 3.777 min Scan# 355
Delta R.T. -0.001 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 43 Resp: 122810

Ion	Ratio	Lower	Upper
43	100		
74	15.6	19.3	28.9#
59	15.0	13.9	20.9

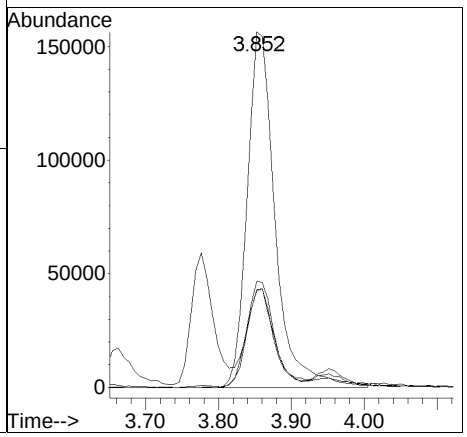


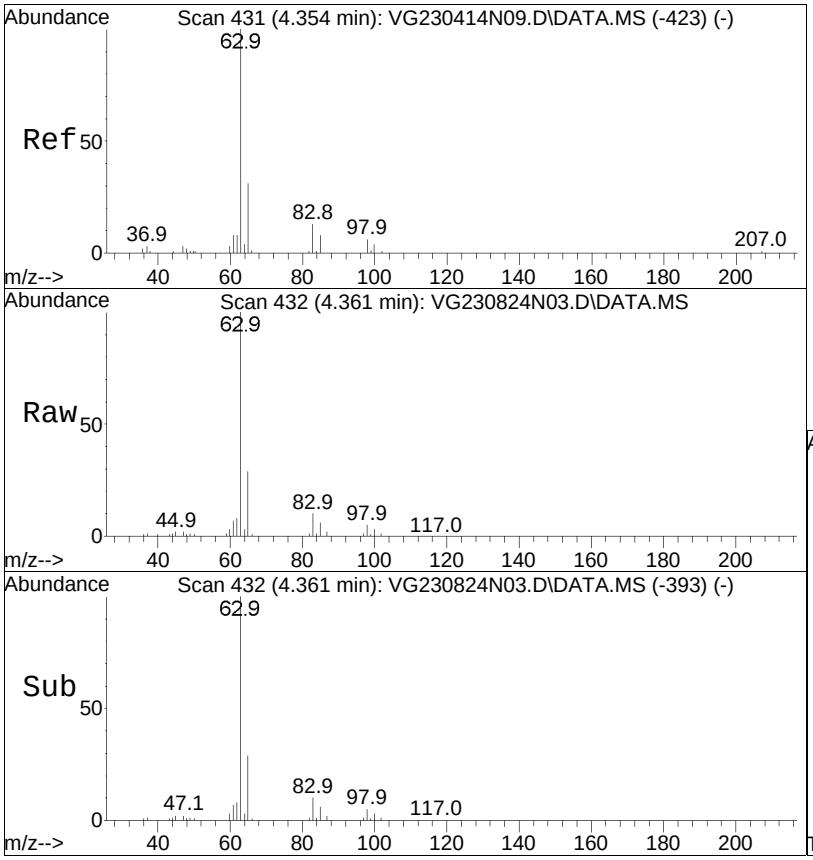


#20
Methyl tert-butyl ether
Concen: 9.84 ug/L
RT: 3.852 min Scan# 365
Delta R.T. -0.001 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 73 Resp: 419164

Ion	Ratio	Lower	Upper
73	100		
57	29.2	12.5	26.1#
43	27.6	13.0	27.0#
41	26.3	12.5	26.1#

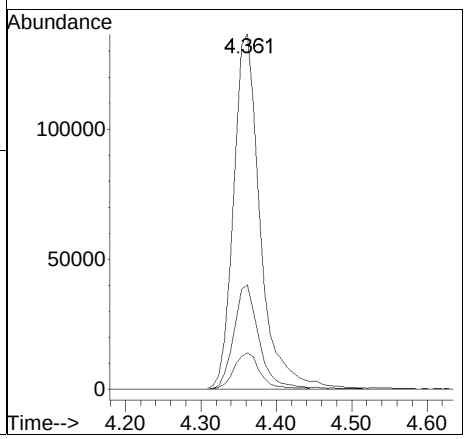


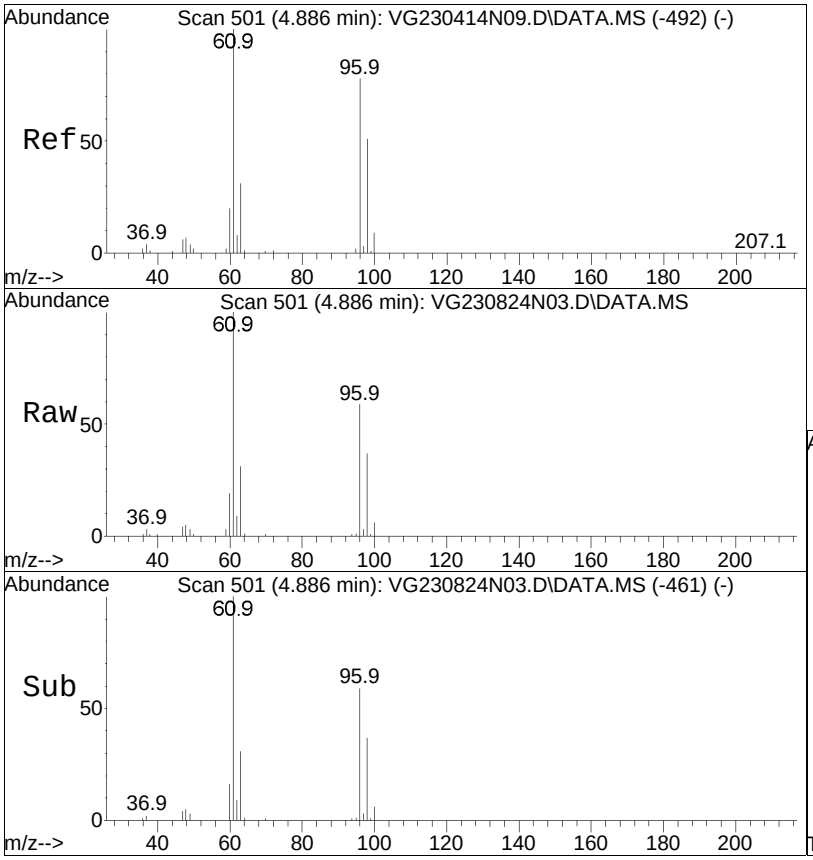


#23
1,1-Dichloroethane
Concen: 11.68 ug/L
RT: 4.361 min Scan# 432
Delta R.T. -0.001 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 63 Resp: 337636

Ion	Ratio	Lower	Upper
63	100		
65	28.3	10.4	50.4
83	10.3	0.0	33.2

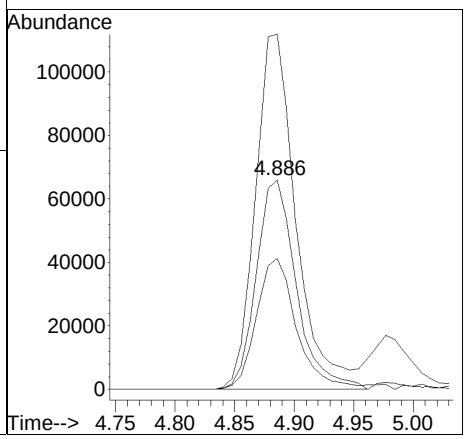


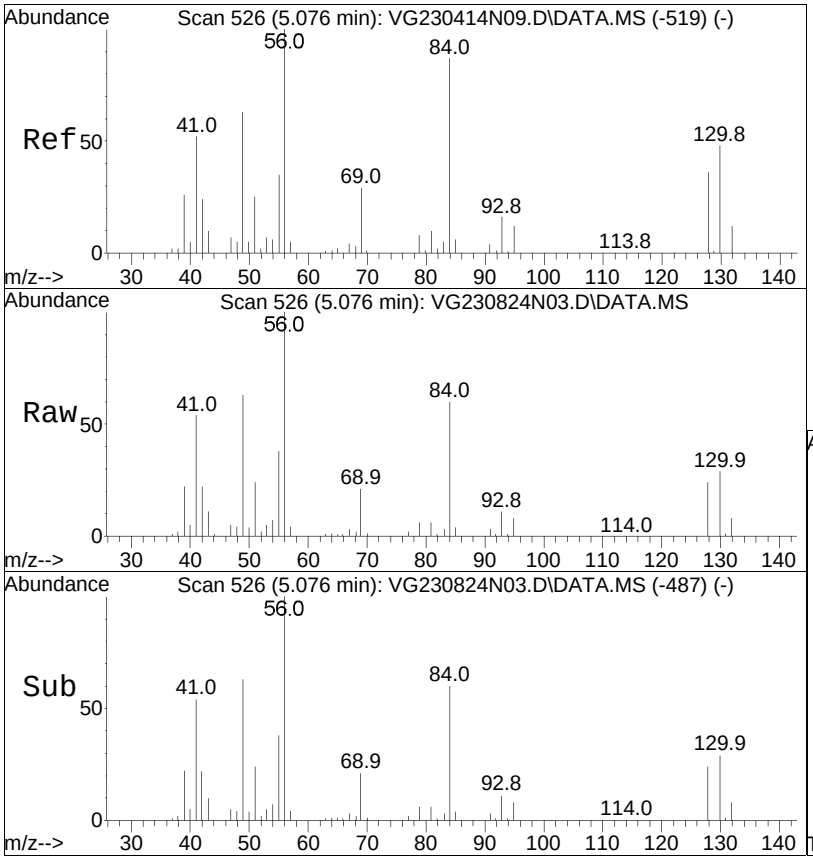


#28
cis-1,2-Dichloroethene
Concen: 10.05 ug/L
RT: 4.886 min Scan# 501
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 96 Resp: 154359

Ion	Ratio	Lower	Upper
96	100		
61	171.0	96.6	144.8#
98	62.6	51.3	76.9

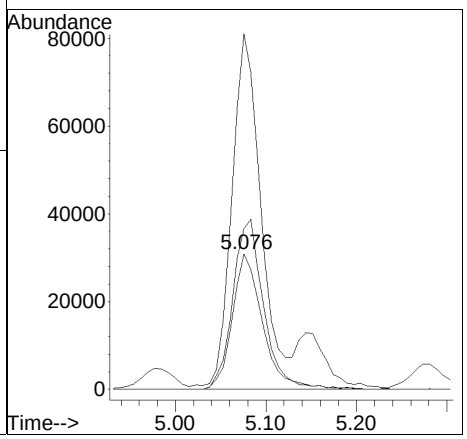


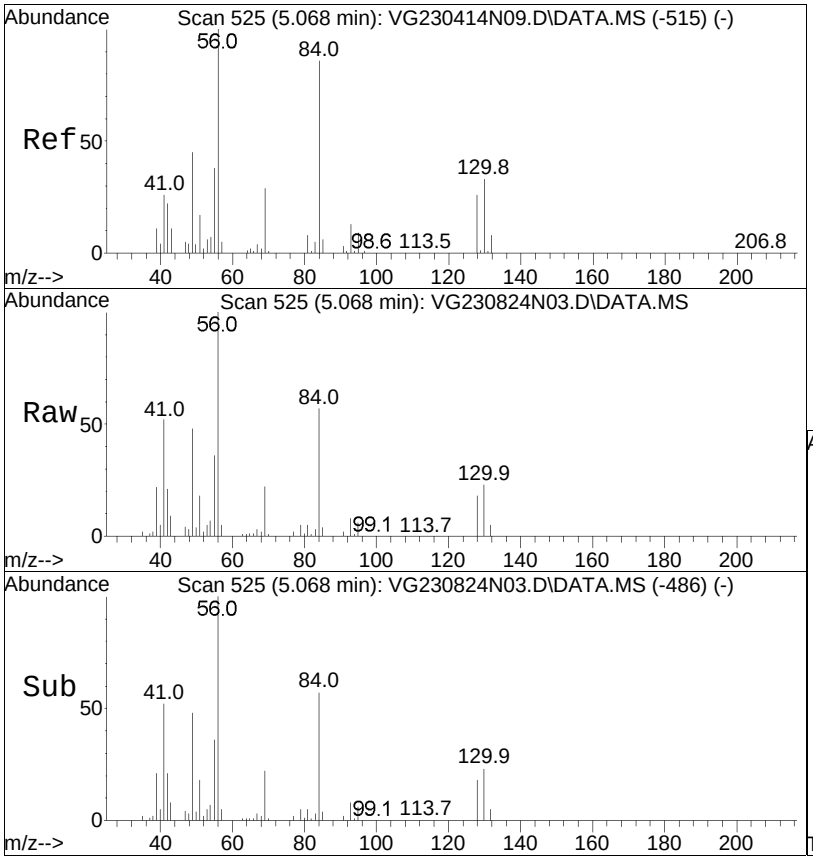


#30
Bromochloromethane
Concen: 11.58 ug/L
RT: 5.076 min Scan# 526
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:128 Resp: 72265

Ion	Ratio	Lower	Upper
128	100		
49	246.7	112.7	169.1#
130	127.7	103.3	154.9

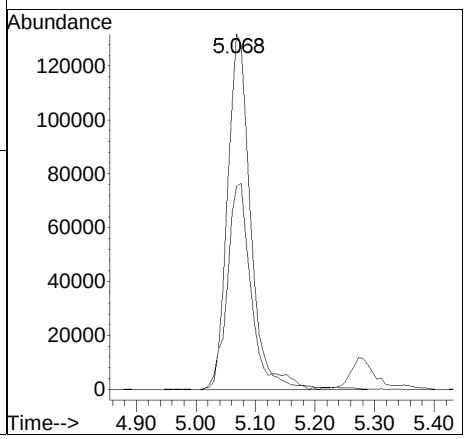


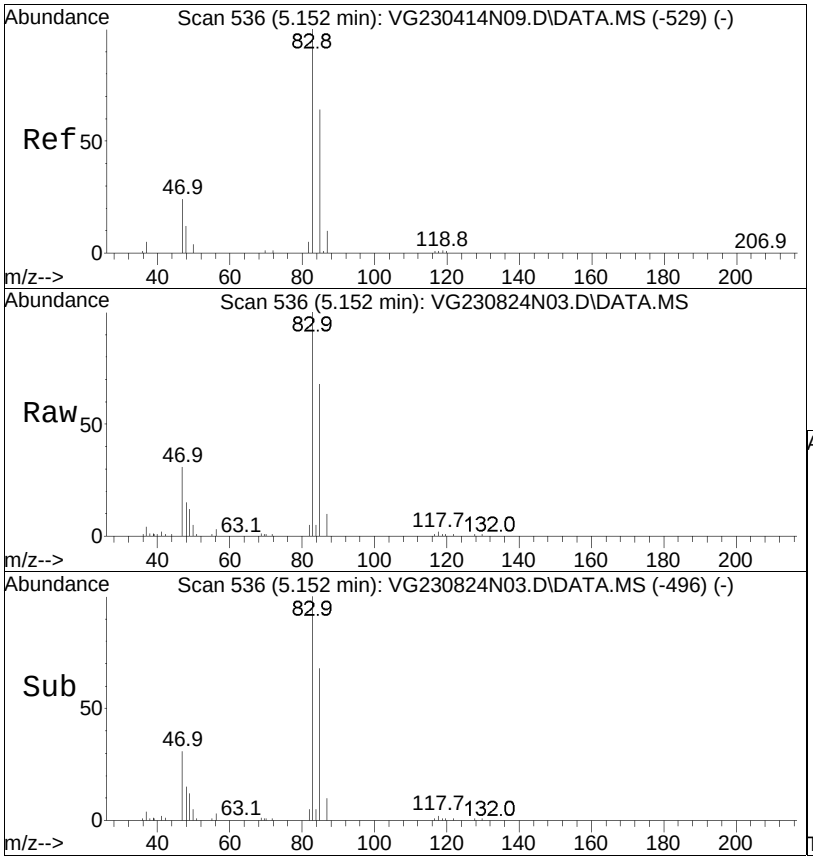


#31
Cyclohexane
Concen: 10.31 ug/L
RT: 5.068 min Scan# 525
Delta R.T. 0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 56 Resp: 353829

Ion	Ratio	Lower	Upper
56	100		
84	61.2	63.8	132.4#

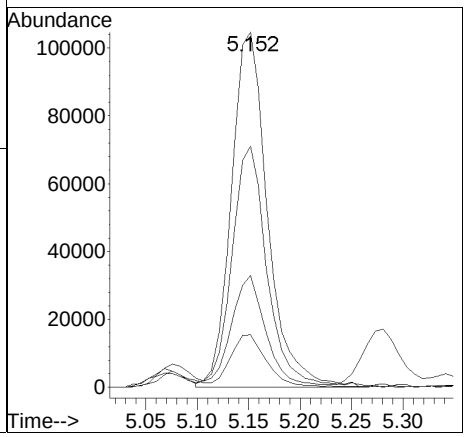


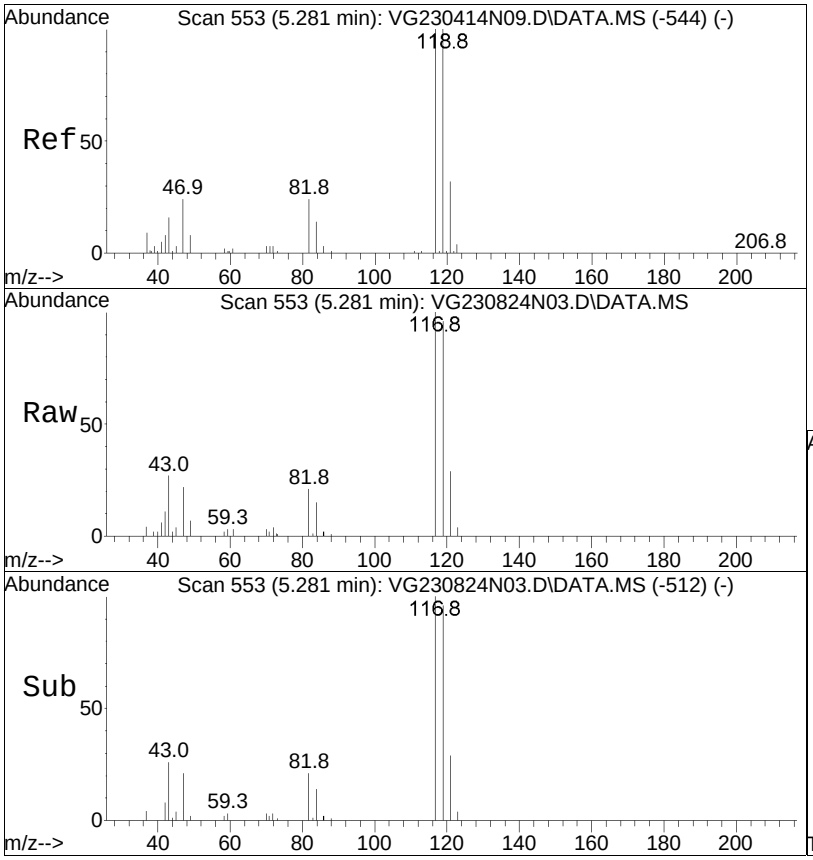


#32
Chloroform
Concen: 10.58 ug/L
RT: 5.152 min Scan# 536
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 83 Resp: 258136

Ion	Ratio	Lower	Upper
83	100		
85	64.3	41.4	86.0
47	29.5	15.1	31.3
48	14.5	7.7	16.1

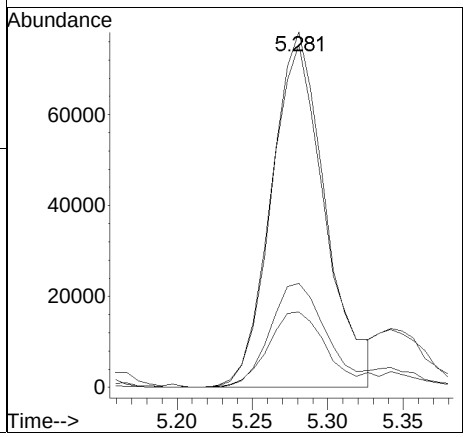


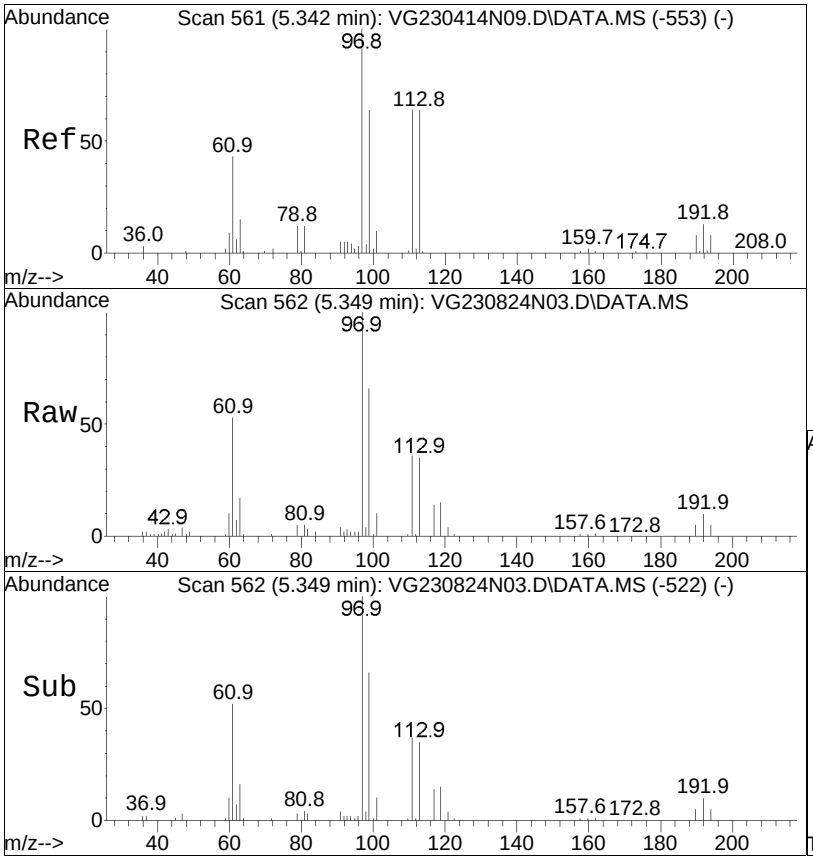


#34
Carbon tetrachloride
Concen: 10.15 ug/L
RT: 5.281 min Scan# 553
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:117 Resp: 195803

Ion	Ratio	Lower	Upper
117	100		
119	95.8	63.2	131.2
121	30.8	20.4	42.4
82	22.5	15.4	32.0

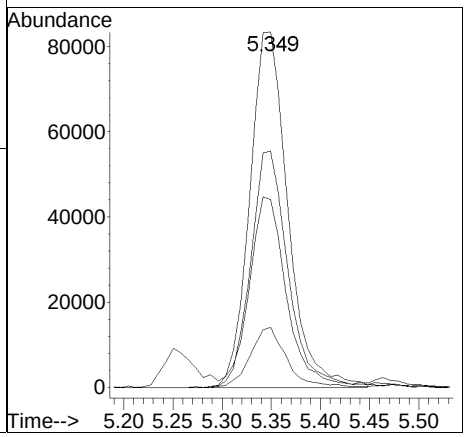


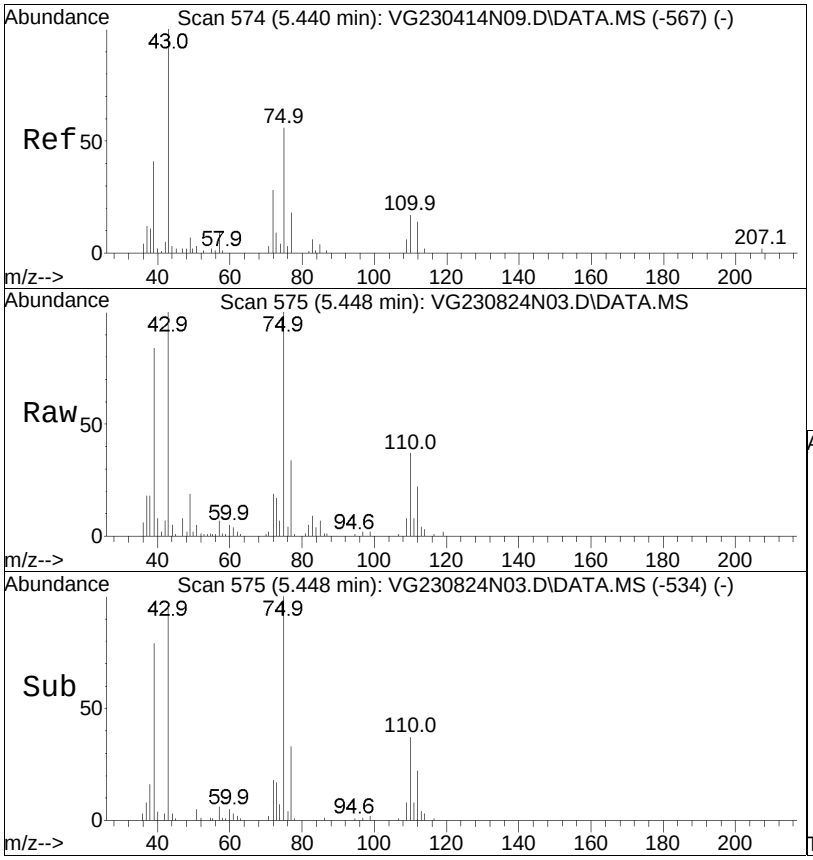


#37
1,1,1-Trichloroethane
Concen: 10.06 ug/L
RT: 5.349 min Scan# 562
Delta R.T. 0.007 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 97 Resp: 225546

Ion	Ratio	Lower	Upper
97	100		
99	65.2	41.3	85.7
61	52.3	26.0	54.0
63	16.2	8.6	18.0

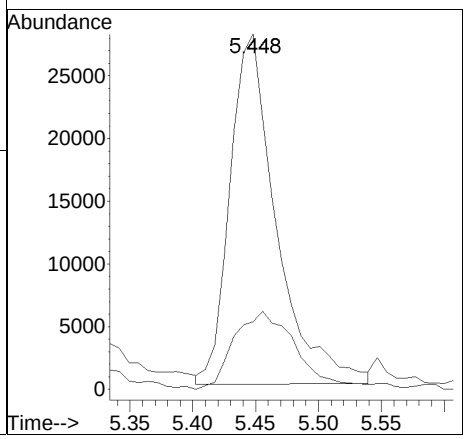


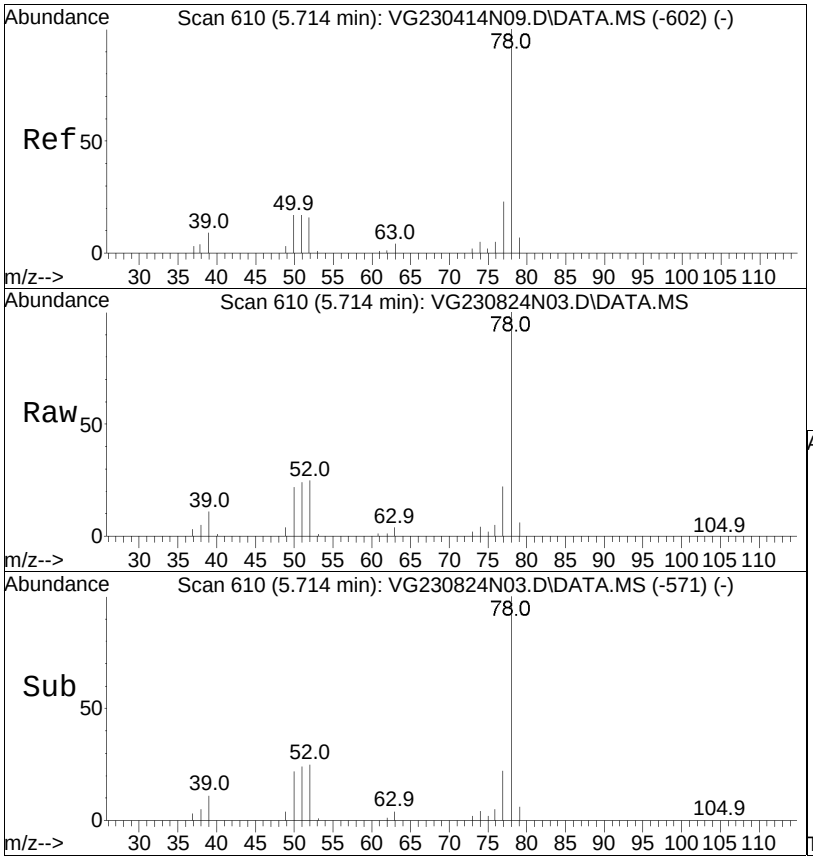


#39
2-Butanone
Concen: 8.58 ug/L
RT: 5.448 min Scan# 575
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 43 Resp: 71776

Ion	Ratio	Lower	Upper
43	100		
72	30.7	42.6	63.8#

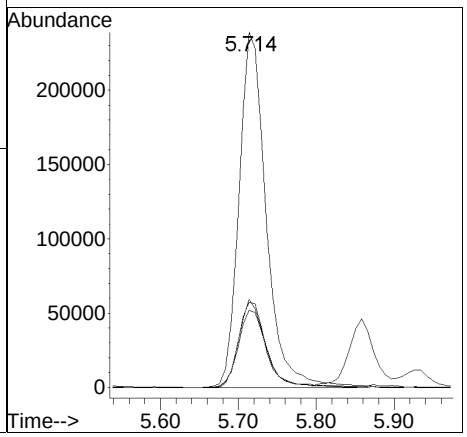


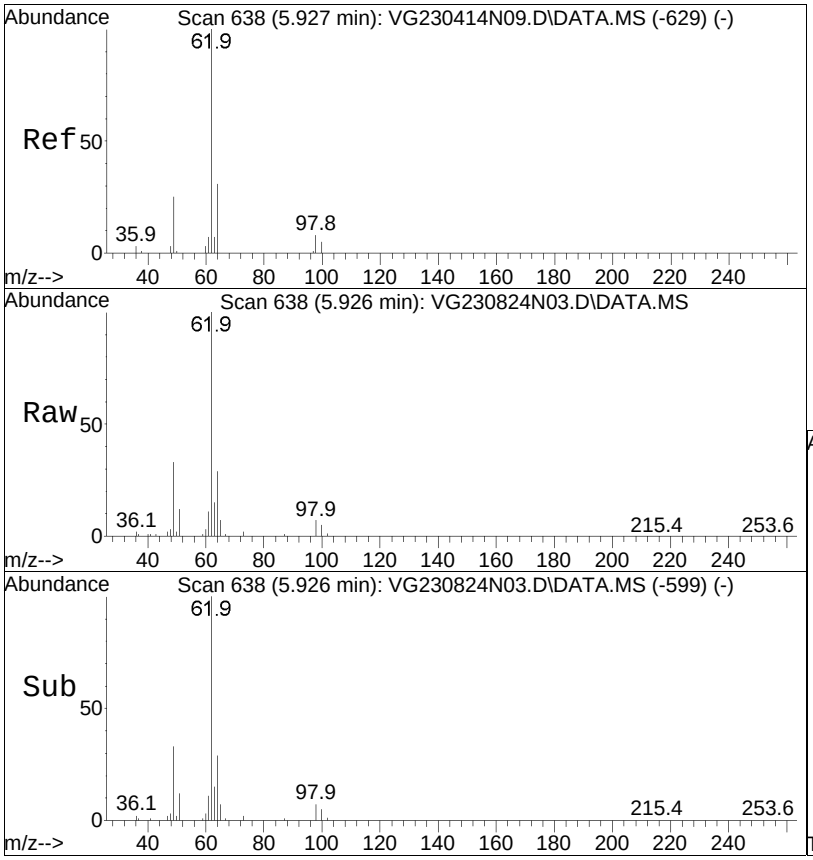


#41
Benzene
Concen: 10.17 ug/L
RT: 5.714 min Scan# 610
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 78 Resp: 579342

Ion	Ratio	Lower	Upper
78	100		
77	22.7	15.5	32.1
51	24.2	9.9	20.7#
52	24.2	9.2	19.2#

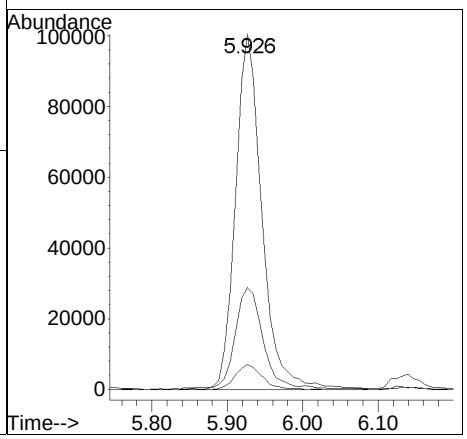


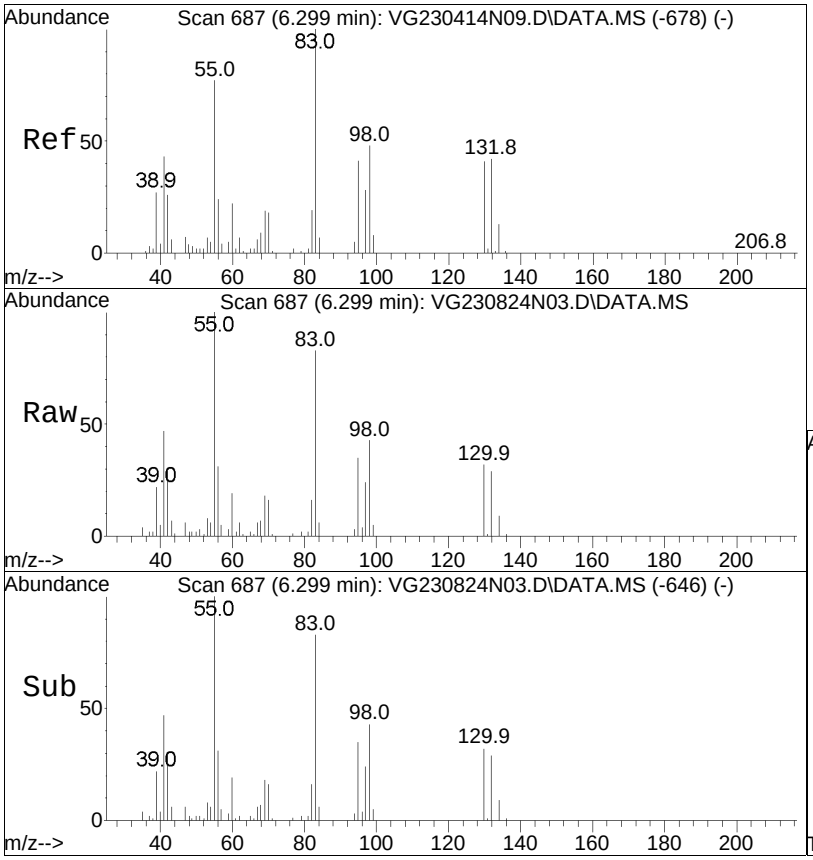


#44
1,2-Dichloroethane
Concen: 11.51 ug/L
RT: 5.926 min Scan# 638
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 62 Resp: 245019

Ion	Ratio	Lower	Upper
62	100		
64	31.1	11.9	51.9
98	7.1	0.0	29.3

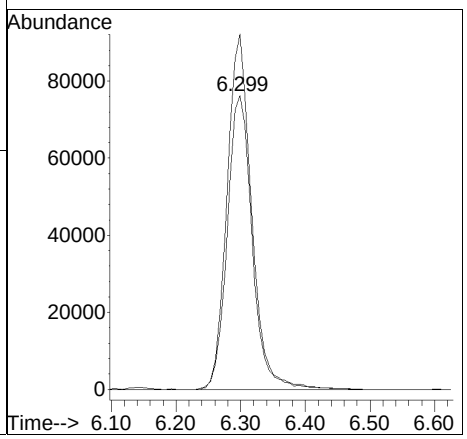


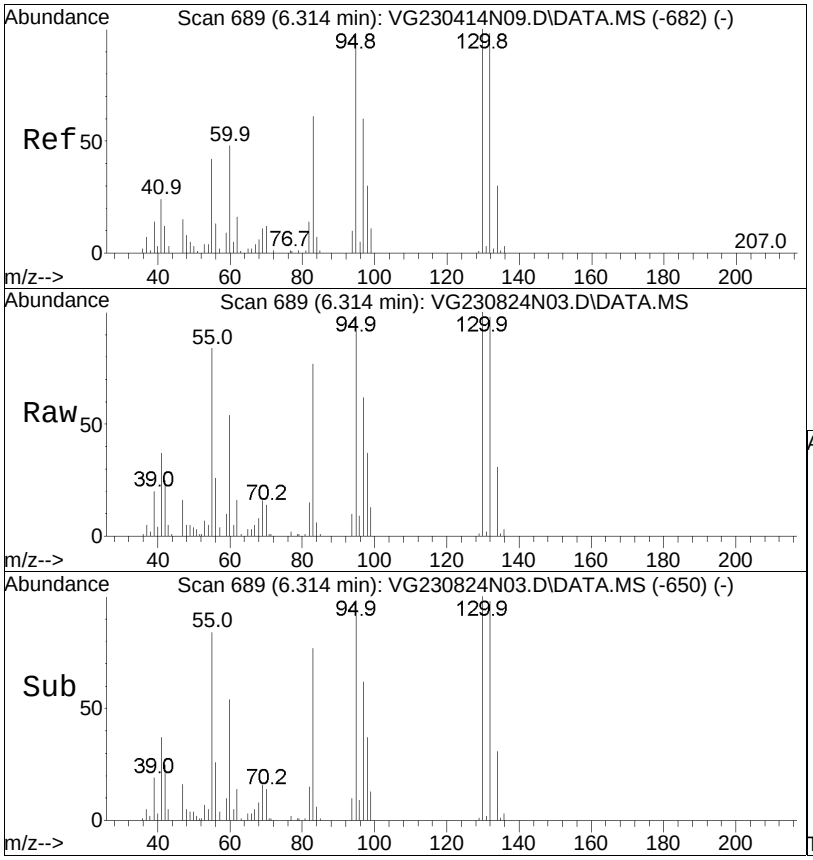


#47
Methyl cyclohexane
Concen: 8.24 ug/L
RT: 6.299 min Scan# 687
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 83 Resp: 205603

Ion	Ratio	Lower	Upper
83	100		
55	118.3	56.0	84.0#

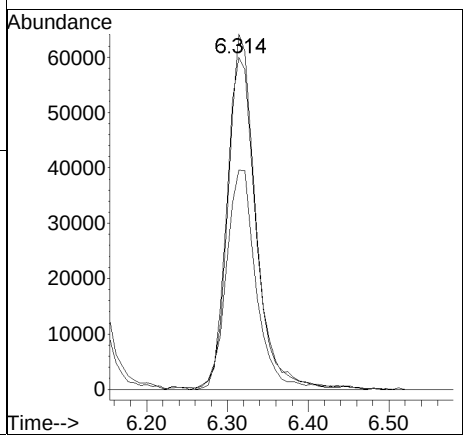


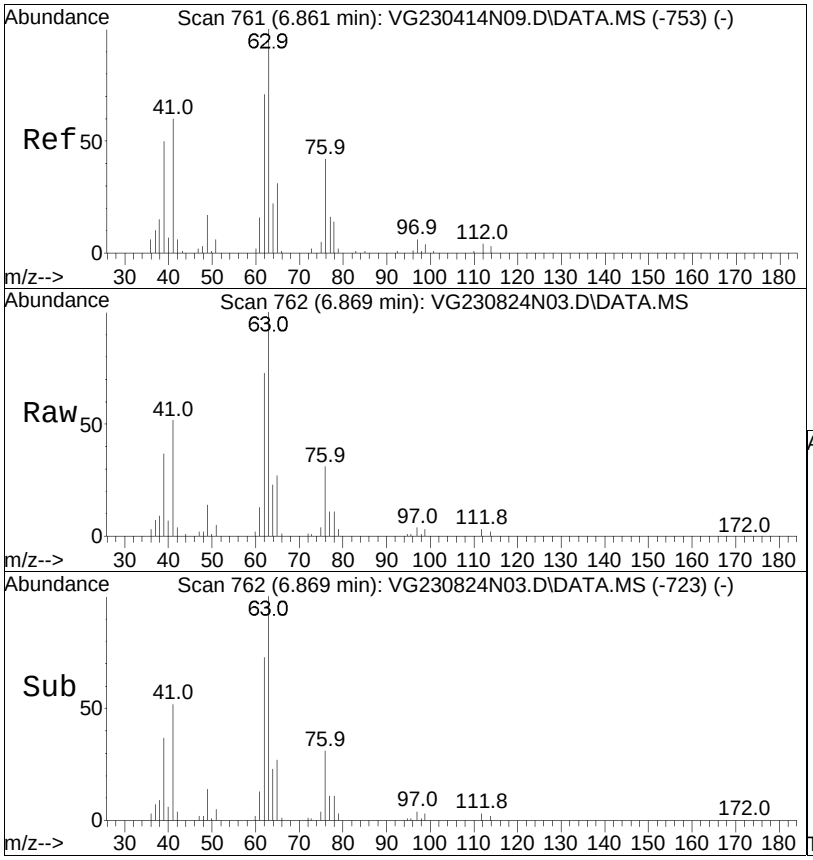


#48
Trichloroethene
Concen: 8.89 ug/L
RT: 6.314 min Scan# 689
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 95 Resp: 152259

Ion	Ratio	Lower	Upper
95	100		
97	67.2	54.0	81.0
130	101.5	85.0	127.4

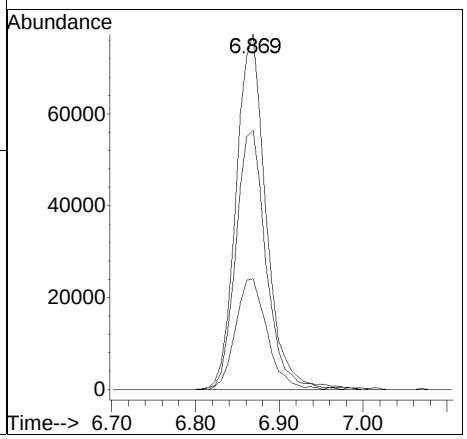


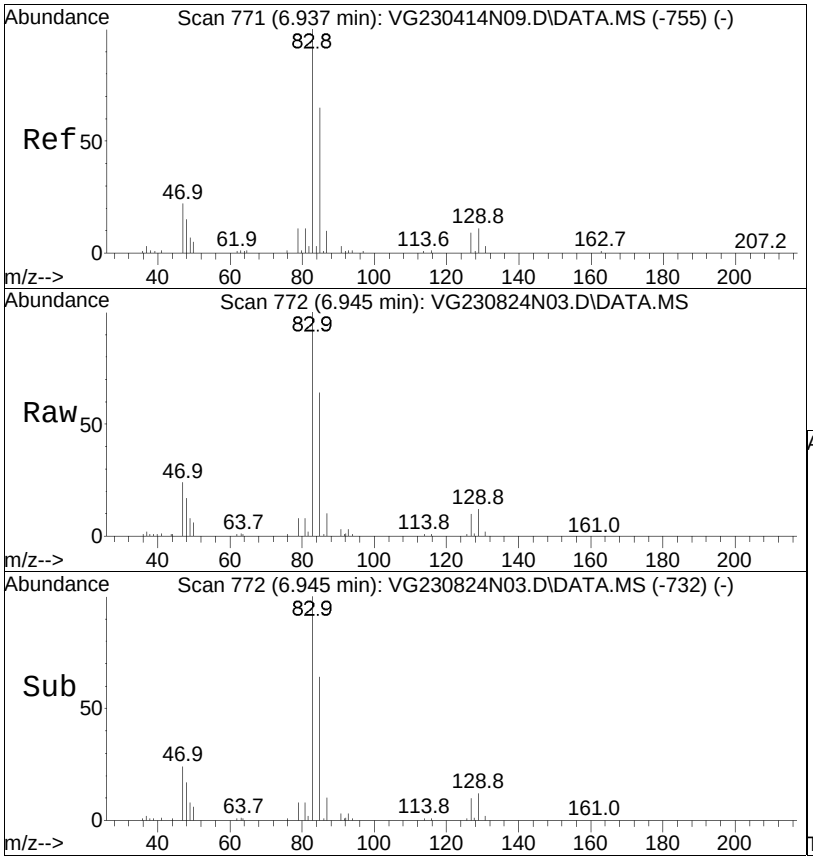


#51
1,2-Dichloropropane
Concen: 11.66 ug/L
RT: 6.869 min Scan# 762
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 63 Resp: 192763

Ion	Ratio	Lower	Upper
63	100		
62	73.8	56.5	84.7
76	32.7	34.6	52.0#

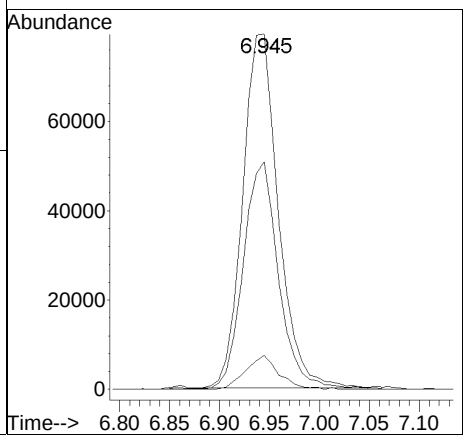


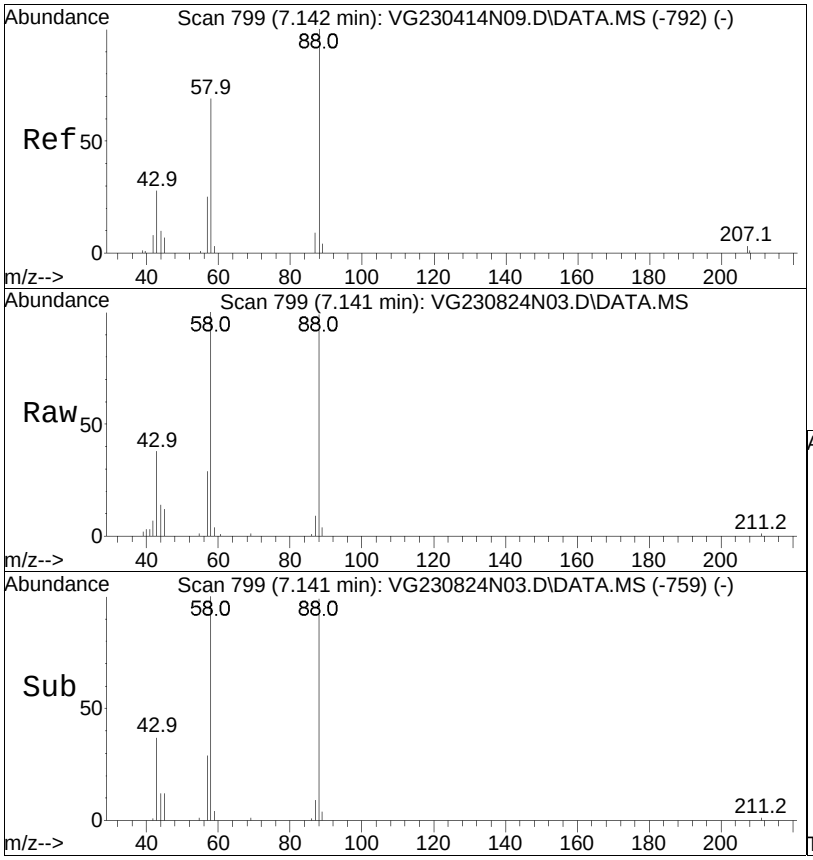


#54
Bromodichloromethane
Concen: 10.00 ug/L
RT: 6.945 min Scan# 772
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 83 Resp: 194678

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.8	76.2
127	9.1	7.4	11.2

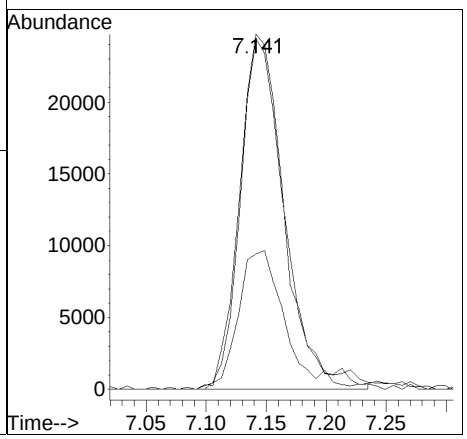


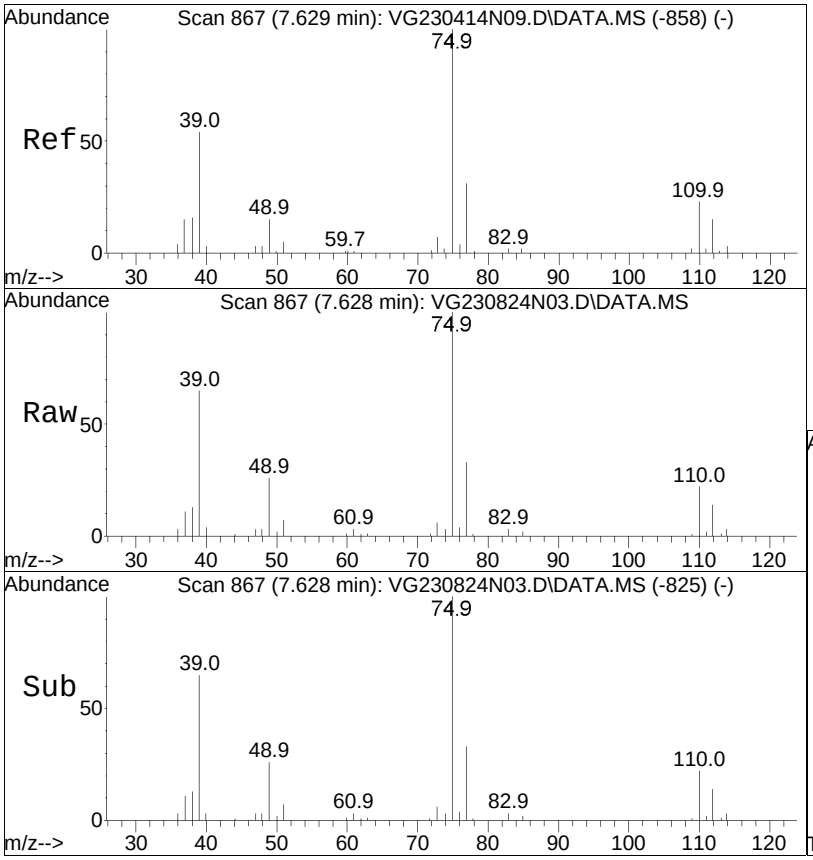


#57
1,4-Dioxane
Concen: 418.09 ug/L
RT: 7.141 min Scan# 799
Delta R.T. -0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 88 Resp: 62338

Ion	Ratio	Lower	Upper
88	100		
58	100.8	48.7	73.1#
43	41.8	22.4	33.6#

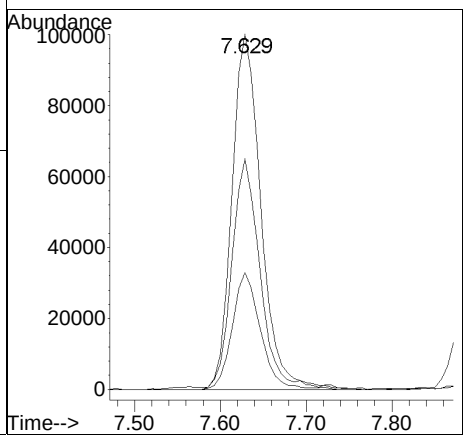


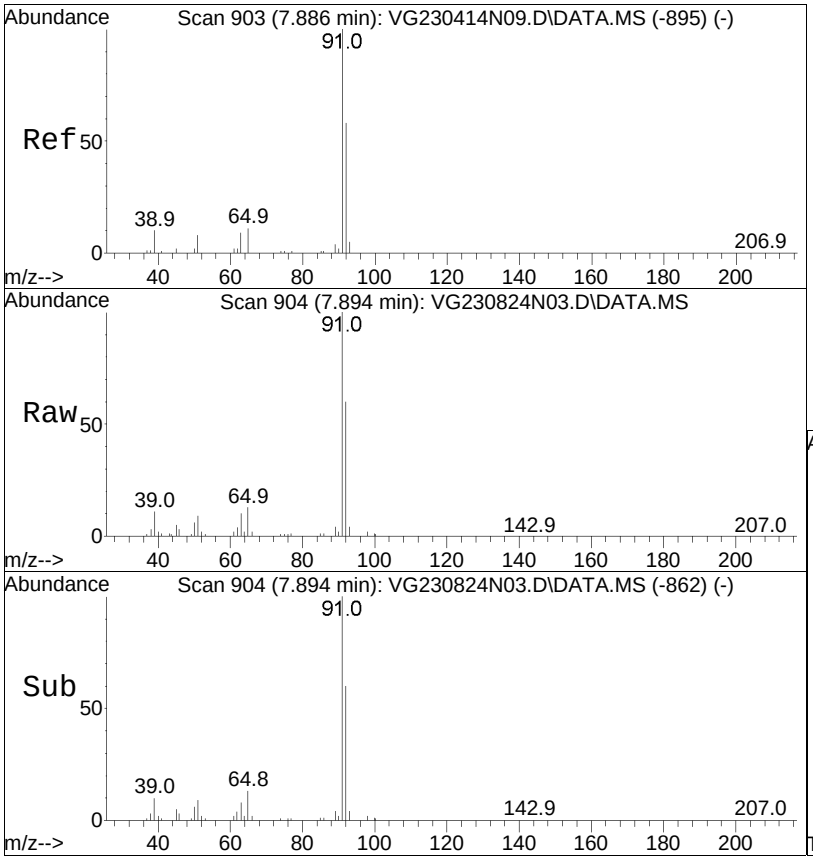


#58
cis-1,3-Dichloropropene
Concen: 9.84 ug/L
RT: 7.628 min Scan# 867
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 75 Resp: 235881

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	61.1	40.8	61.2

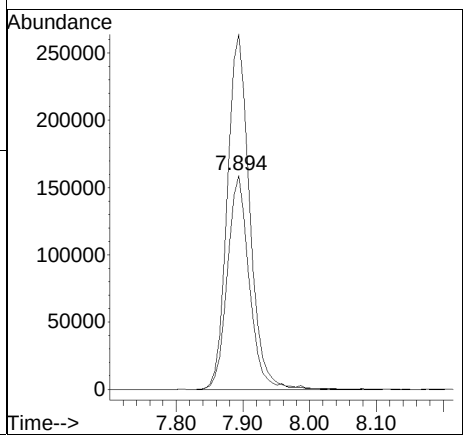


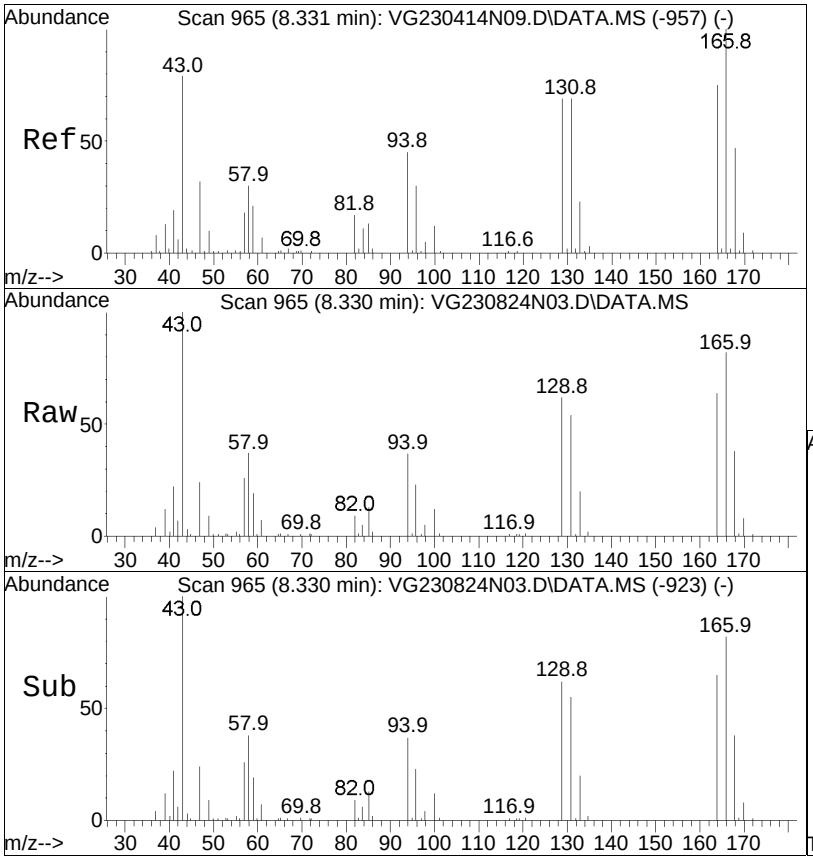


#61
Toluene
Concen: 9.50 ug/L
RT: 7.894 min Scan# 904
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 92 Resp: 363555

Ion	Ratio	Lower	Upper
92	100		
91	168.7	134.8	202.2

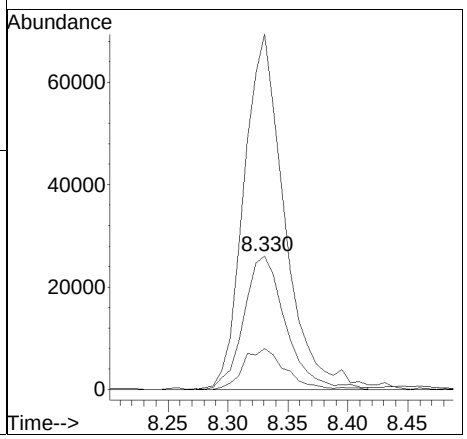


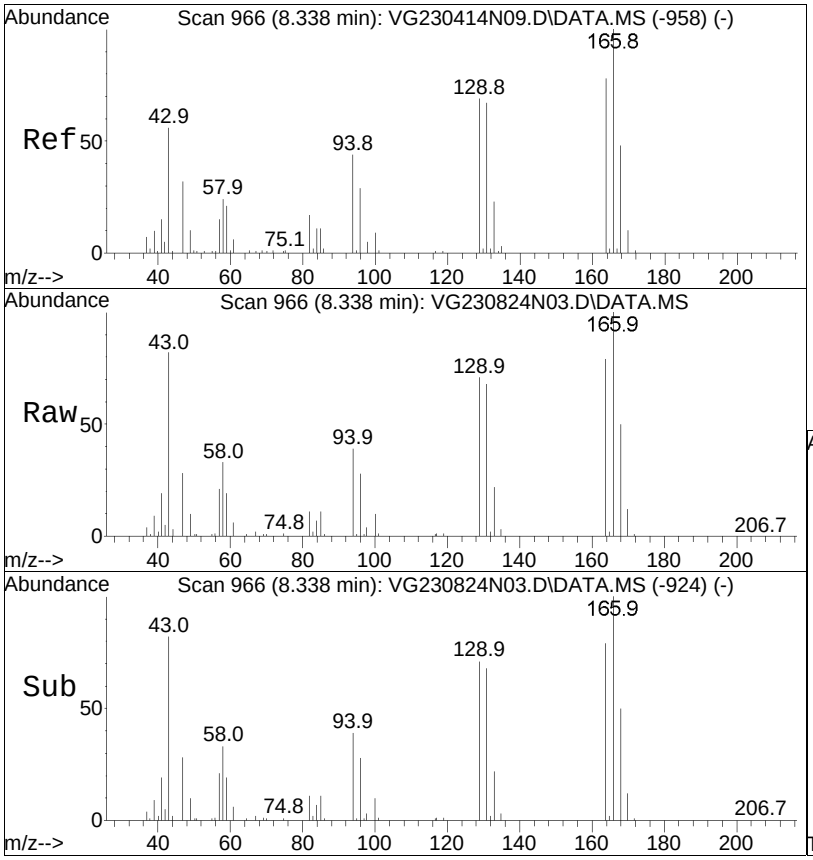


#62
4-Methyl-2-pentanone
Concen: 9.72 ug/L
RT: 8.330 min Scan# 965
Delta R.T. -0.001 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 58 Resp: 63520

Ion	Ratio	Lower	Upper
58	100		
100	30.3	33.6	50.4#
43	258.2	204.3	306.5

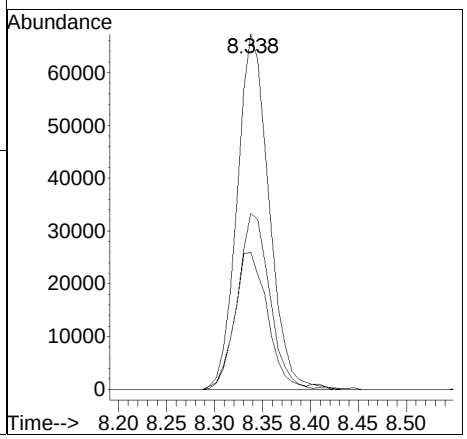


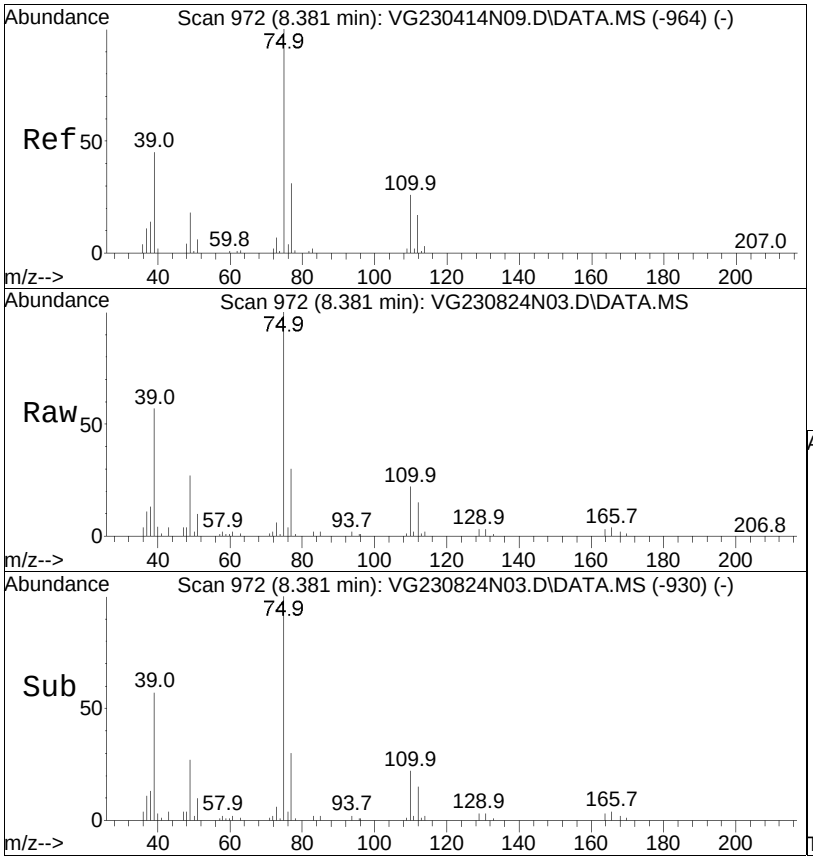


#63
Tetrachloroethene
Concen: 9.29 ug/L
RT: 8.338 min Scan# 966
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:166 Resp: 155438

Ion	Ratio	Lower	Upper
166	100		
168	50.2	27.3	67.3
94	40.2	20.5	60.5

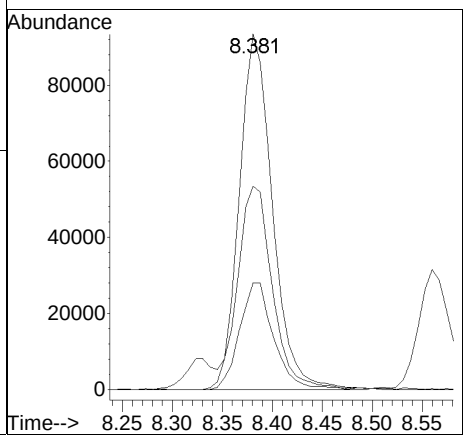


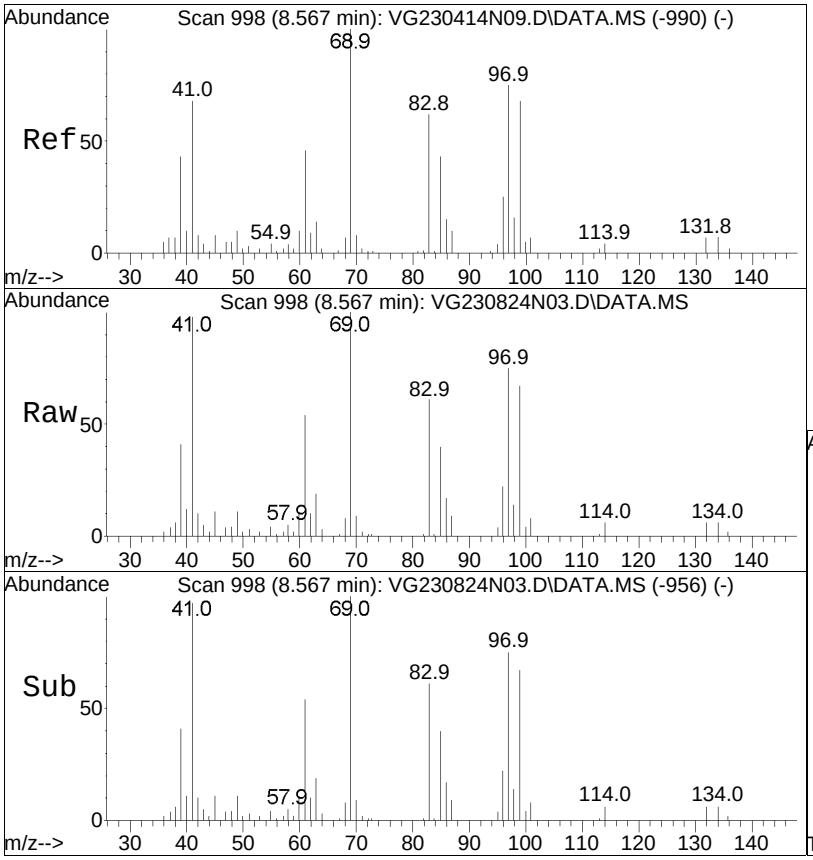


#65
trans-1,3-Dichloropropene
Concen: 9.17 ug/L
RT: 8.381 min Scan# 972
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 75 Resp: 215604

Ion	Ratio	Lower	Upper
75	100		
77	30.7	11.3	51.3
39	58.6	36.0	76.0

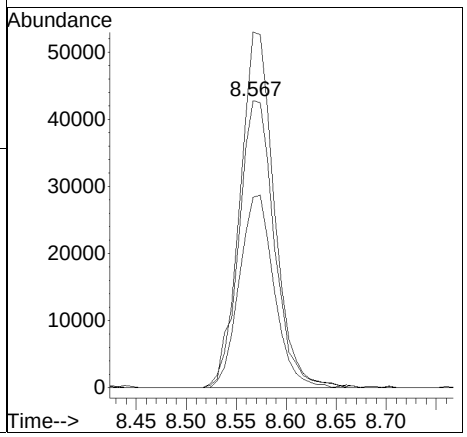


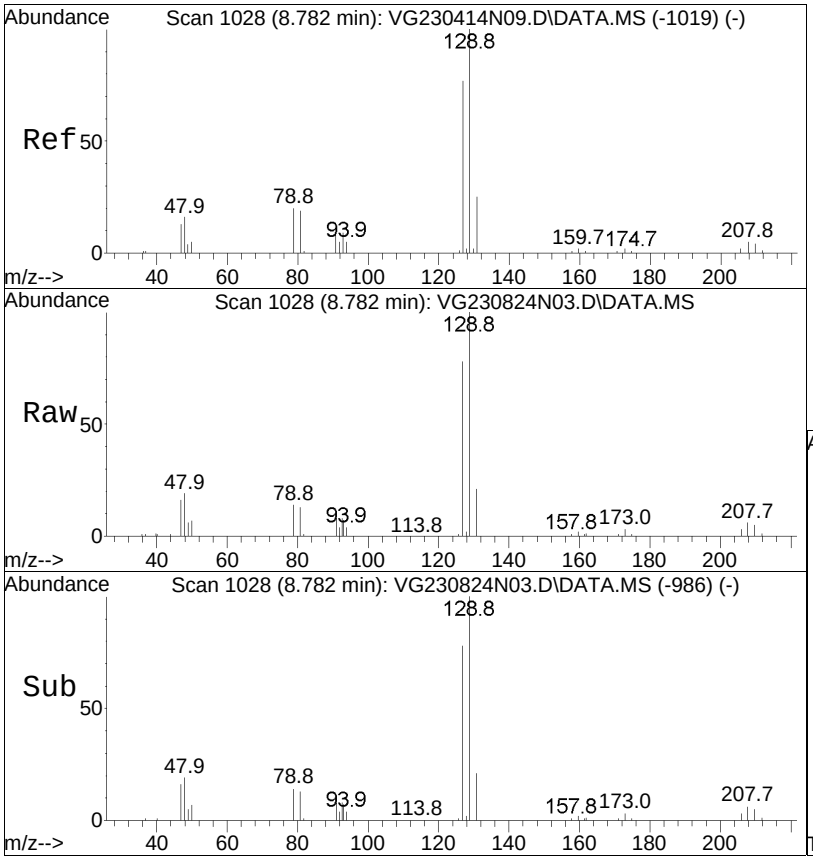


#68
1,1,2-Trichloroethane
Concen: 9.42 ug/L
RT: 8.567 min Scan# 998
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 83 Resp: 105691

Ion	Ratio	Lower	Upper
83	100		
97	118.7	101.0	141.0
85	65.6	47.9	87.9

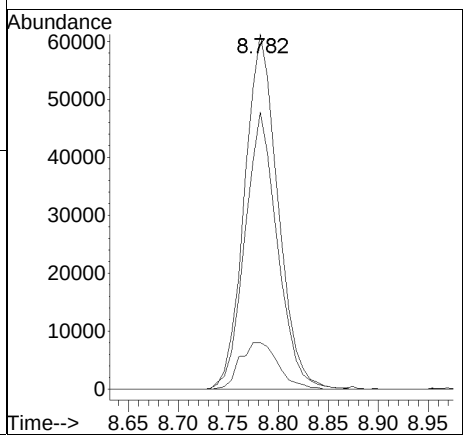


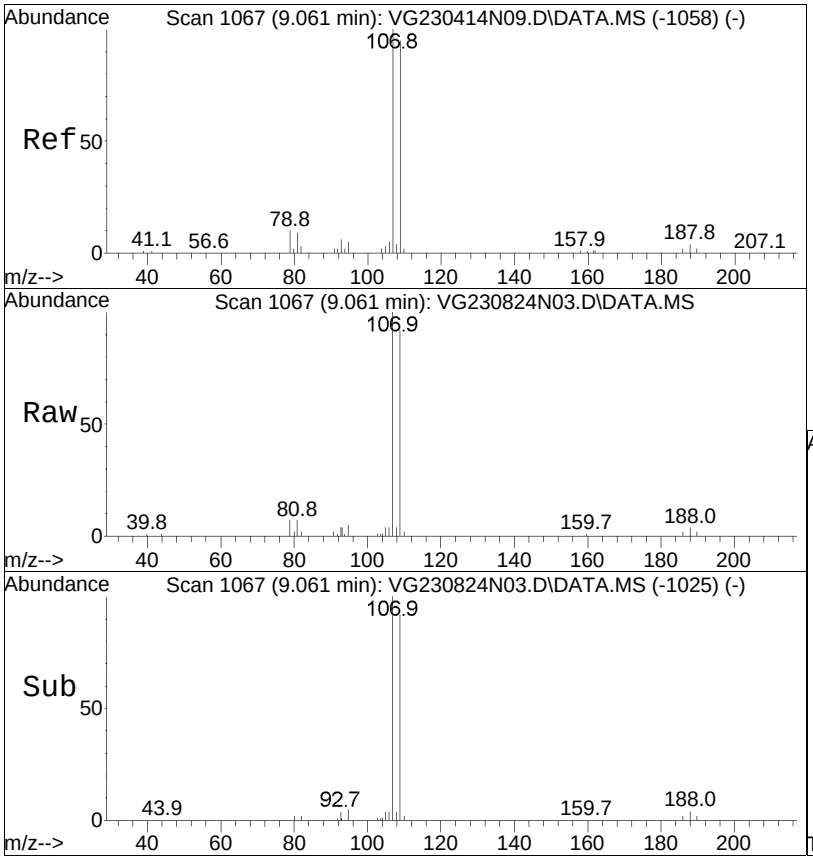


#69
Chlorodibromomethane
Concen: 9.52 ug/L
RT: 8.782 min Scan# 1028
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:129 Resp: 142802

Ion	Ratio	Lower	Upper
129	100		
81	15.2	0.0	35.0
127	76.1	57.1	97.1

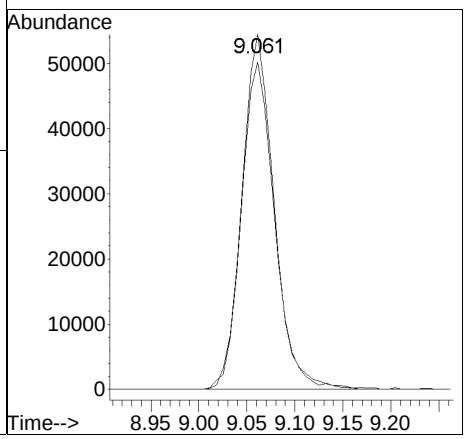


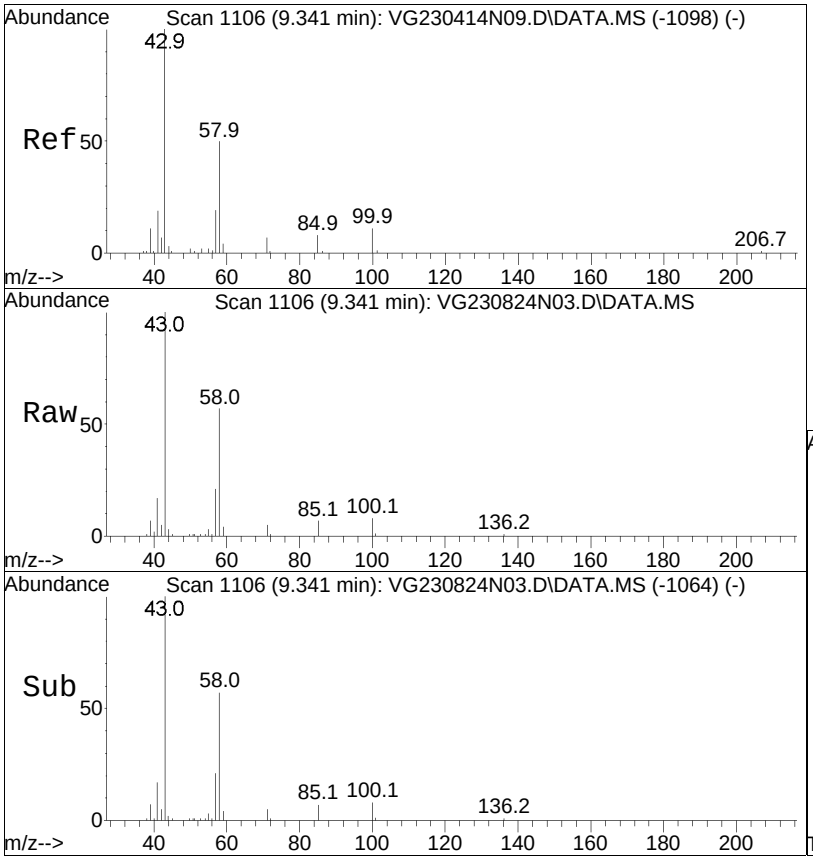


#71
1,2-Dibromoethane
Concen: 9.63 ug/L
RT: 9.061 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:107 Resp: 127255

Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.0	114.0

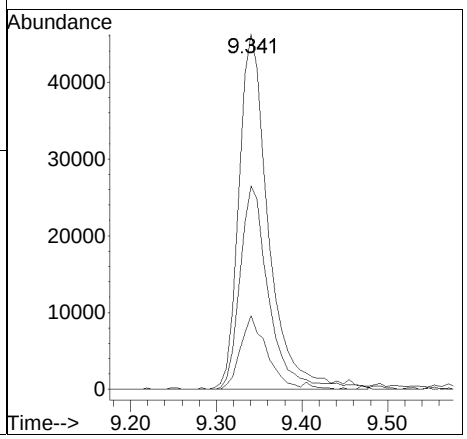


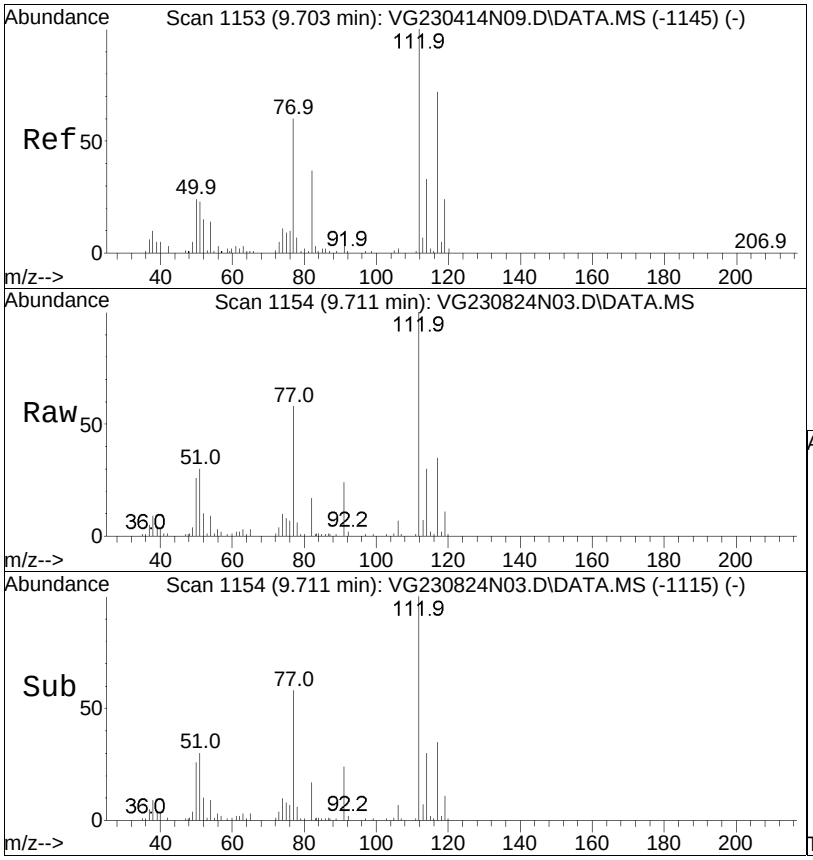


#72
2-Hexanone
Concen: 8.08 ug/L
RT: 9.341 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 43 Resp: 111504

Ion	Ratio	Lower	Upper
43	100		
58	56.3	43.8	65.6
57	18.4	15.2	22.8

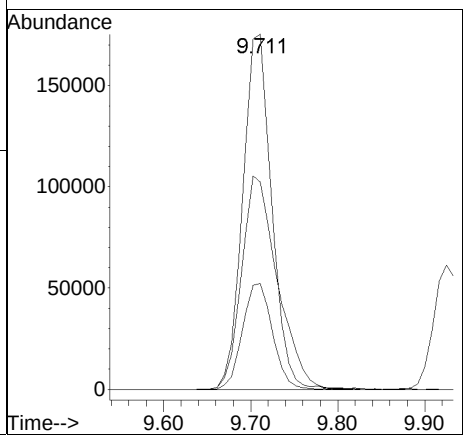


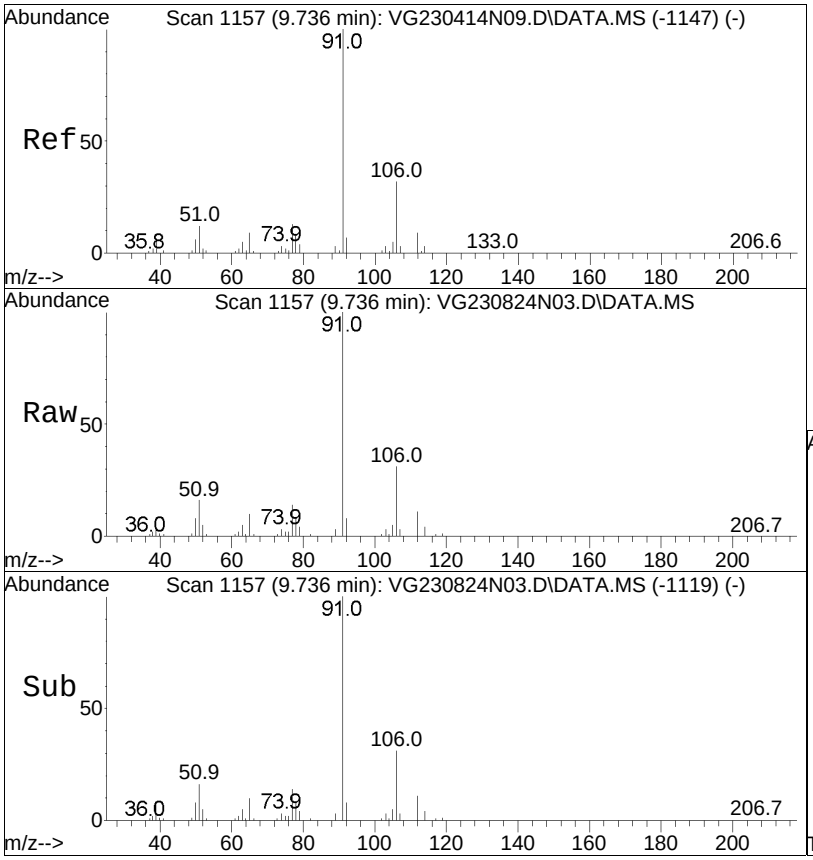


#73
Chlorobenzene
Concen: 10.00 ug/L
RT: 9.711 min Scan# 1154
Delta R.T. 0.008 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:112 Resp: 404721

Ion	Ratio	Lower	Upper
112	100		
77	74.8	55.9	83.9
114	31.0	25.4	38.0

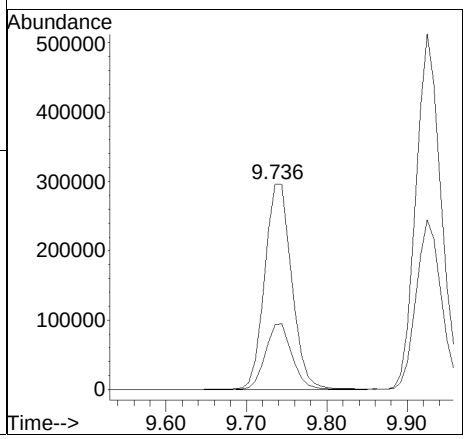


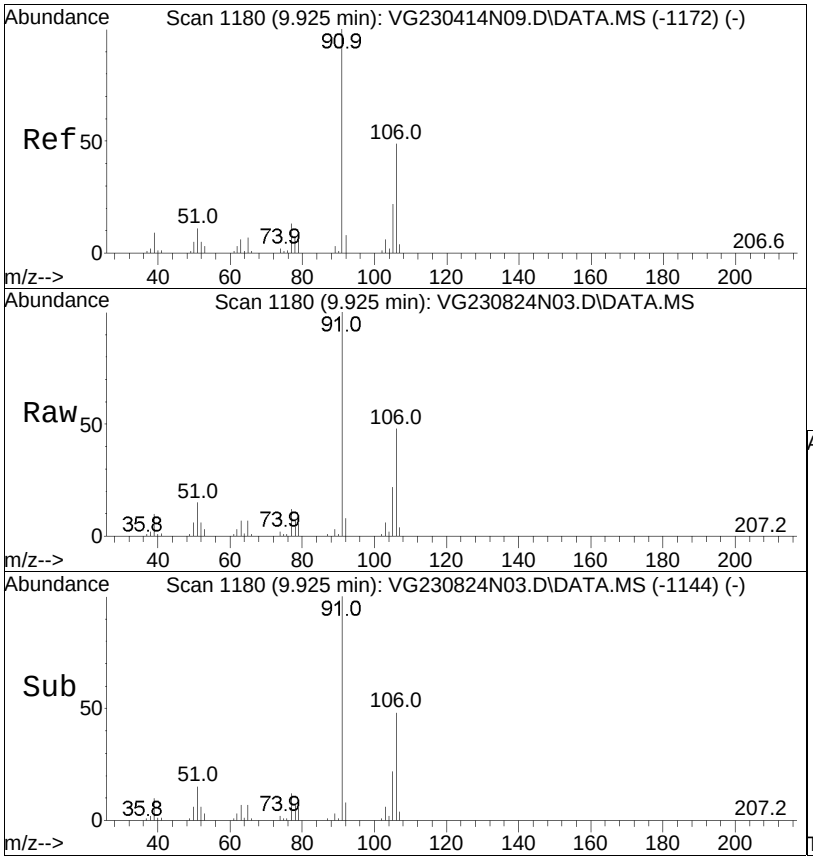


#74
Ethylbenzene
Concen: 9.52 ug/L
RT: 9.736 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 91 Resp: 694401

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.3	37.9

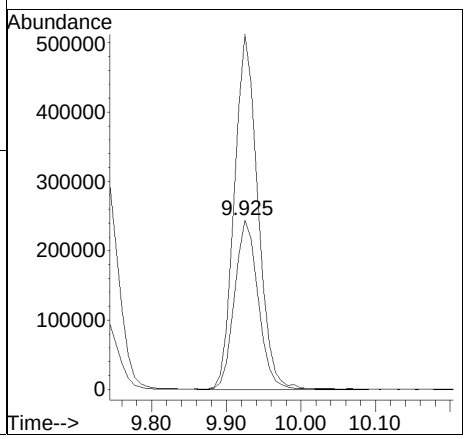


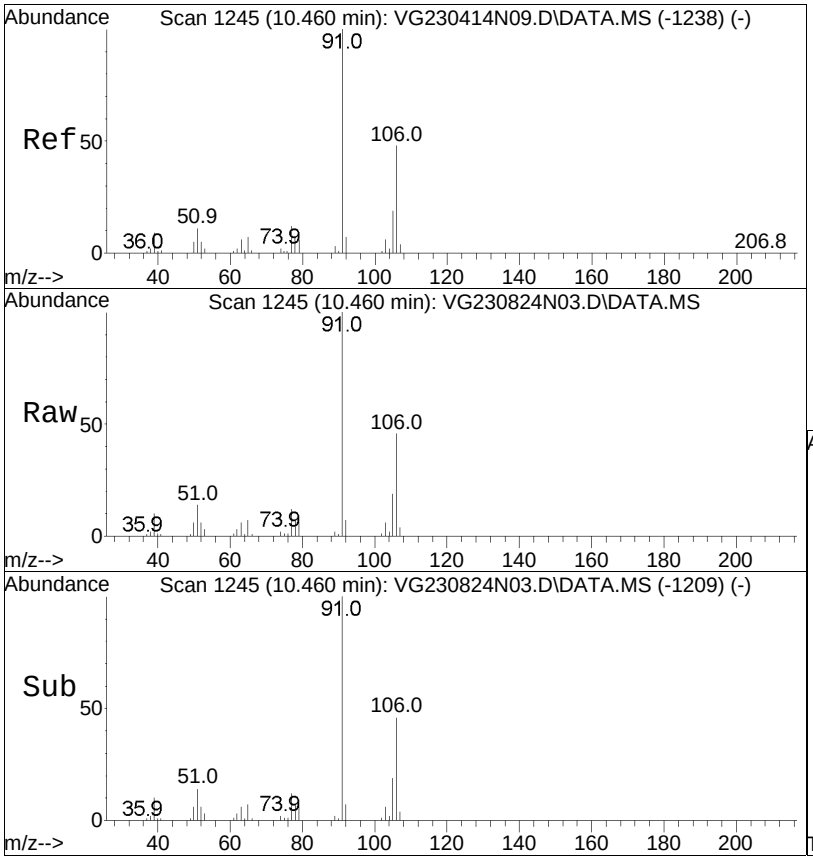


#76
p/m Xylene
Concen: 19.40 ug/L
RT: 9.925 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:106 Resp: 539844

Ion	Ratio	Lower	Upper
106	100		
91	207.1	157.1	235.7

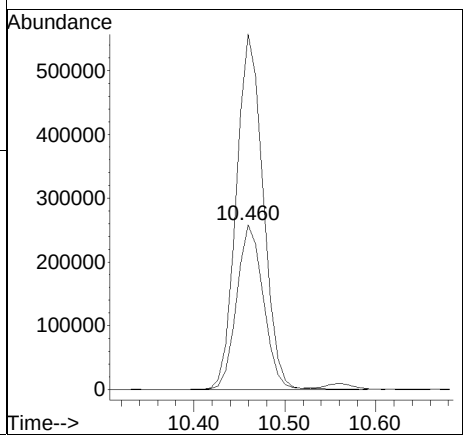


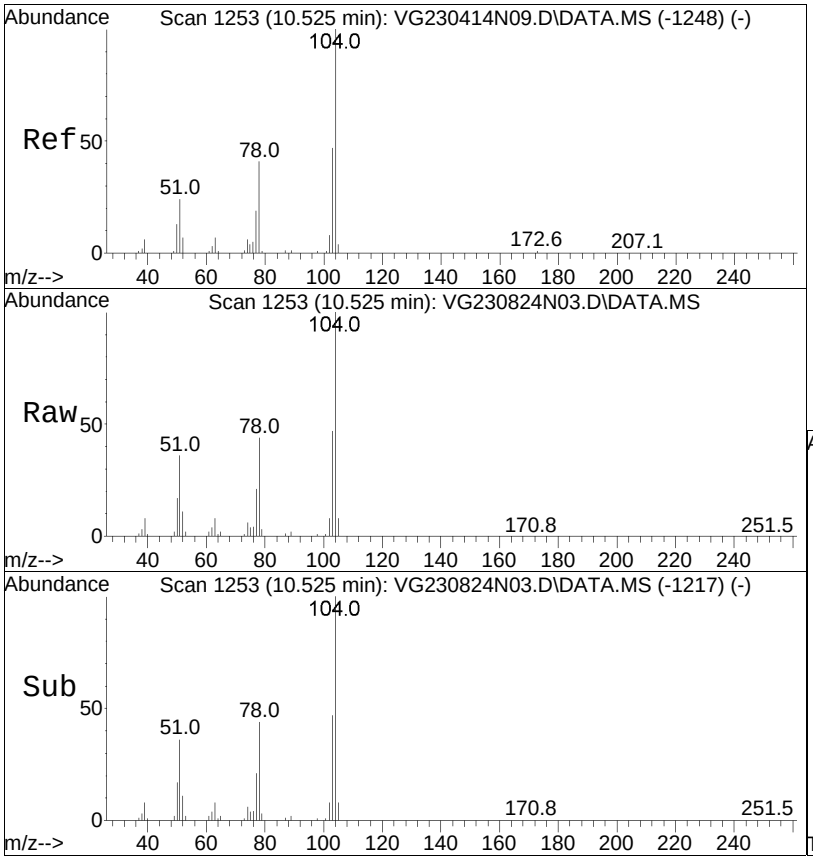


#77
o Xylene
Concen: 19.77 ug/L
RT: 10.460 min Scan# 1245
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:106 Resp: 529241

Ion	Ratio	Lower	Upper
106	100		
91	215.8	164.7	247.1

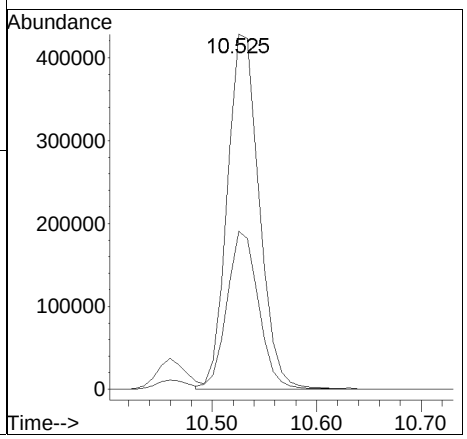


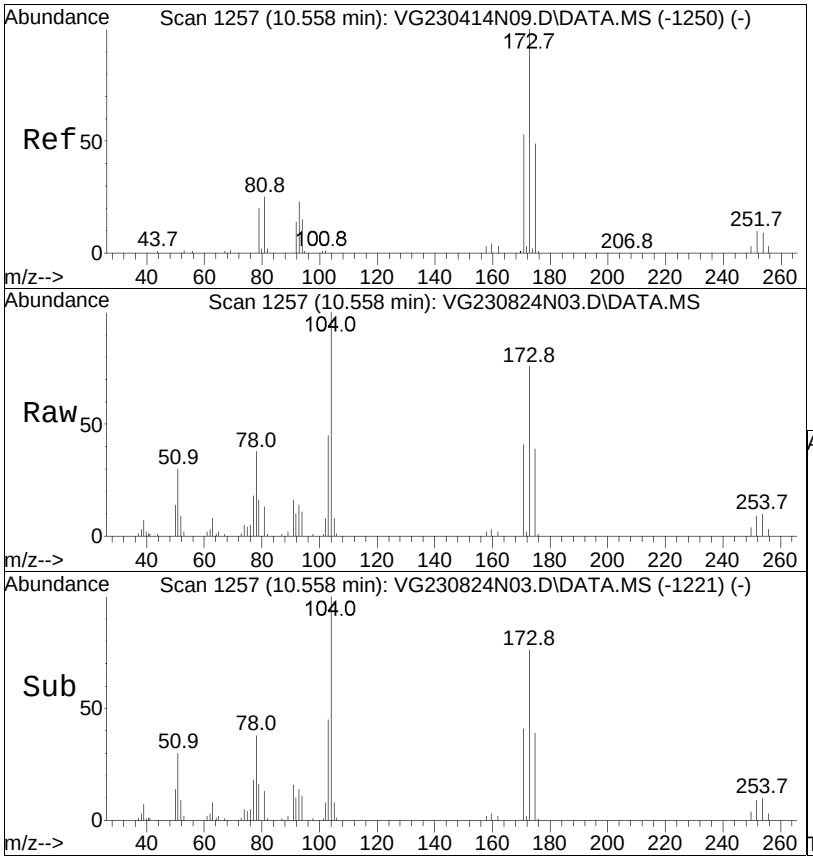


#78
Styrene
Concen: 19.64 ug/L
RT: 10.525 min Scan# 1253
Delta R.T. -0.001 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:104 Resp: 907773

Ion	Ratio	Lower	Upper
104	100		
78	44.1	32.2	48.4

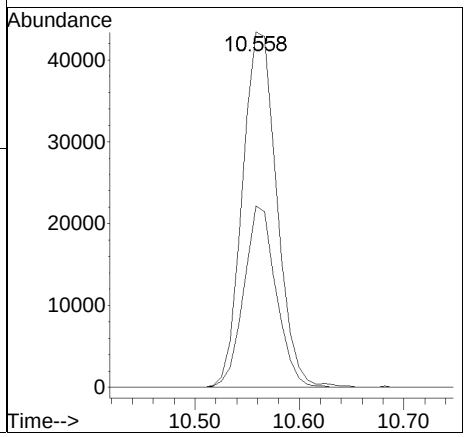


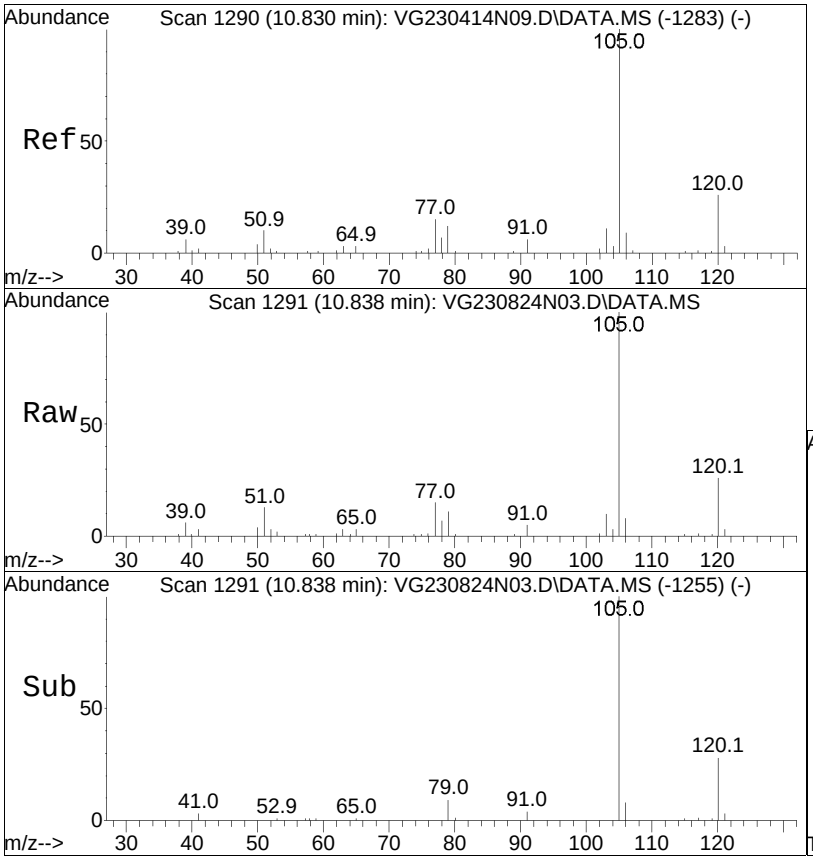


#80
Bromoform
Concen: 8.80 ug/L
RT: 10.558 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:173 Resp: 99398

Ion	Ratio	Lower	Upper
173	100		
175	48.0	28.0	68.0

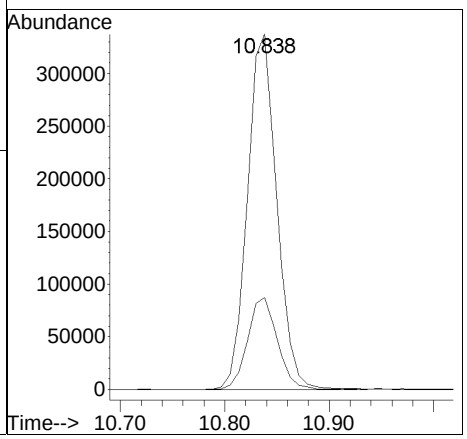


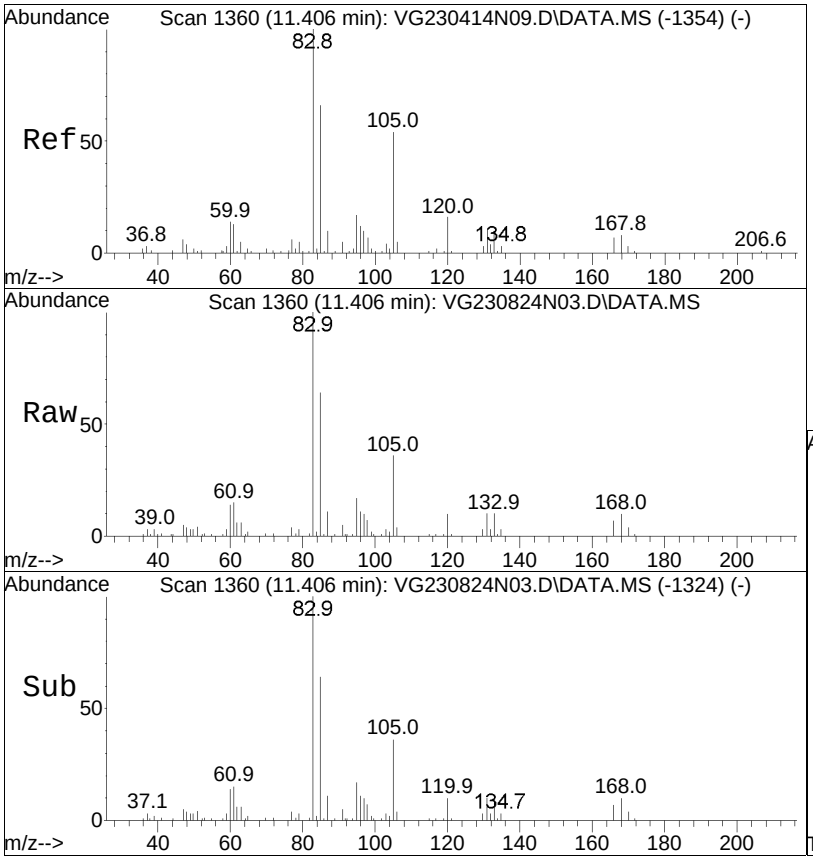


#82
Isopropylbenzene
Concen: 8.99 ug/L
RT: 10.838 min Scan# 1291
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:105 Resp: 658910

Ion	Ratio	Lower	Upper
105	100		
120	26.1	7.0	47.0

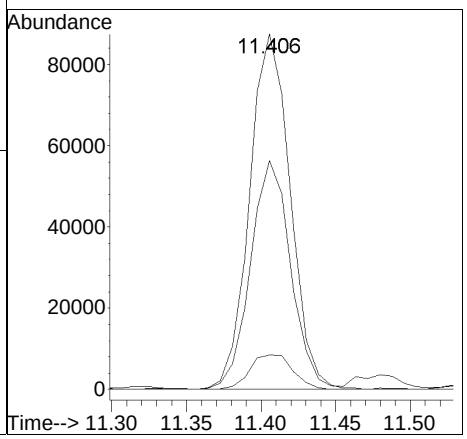


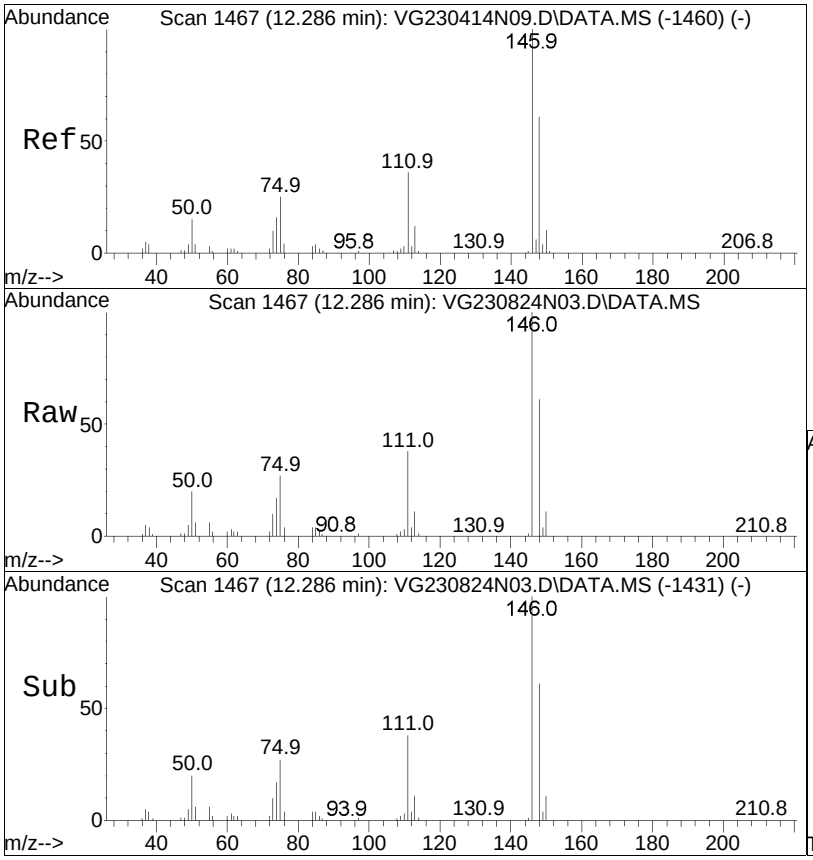


#87
1,1,2,2-Tetrachloroethane
Concen: 10.69 ug/L
RT: 11.406 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion: 83 Resp: 165672

Ion	Ratio	Lower	Upper
83	100		
131	10.4	0.0	31.0
85	63.9	43.9	83.9

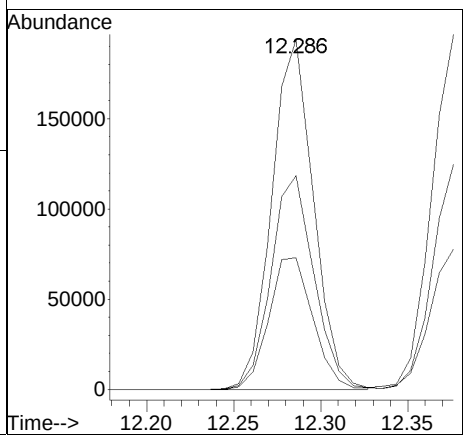


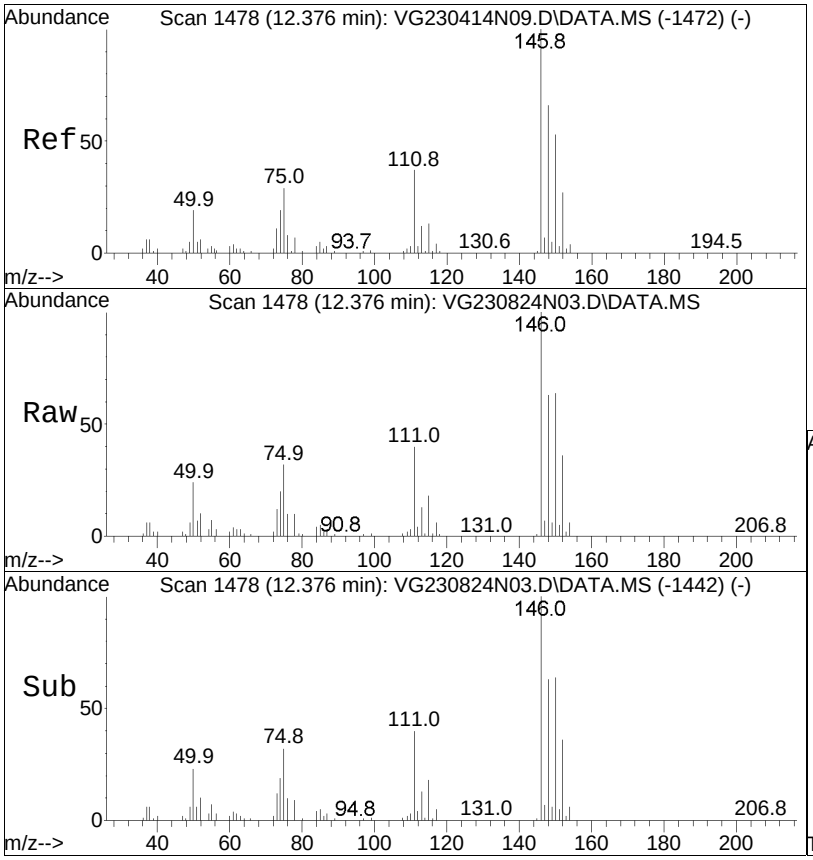


#100
1,3-Dichlorobenzene
Concen: 9.17 ug/L
RT: 12.286 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:146 Resp: 323072

Ion	Ratio	Lower	Upper
146	100		
111	40.0	24.4	50.6
148	62.9	41.0	85.2

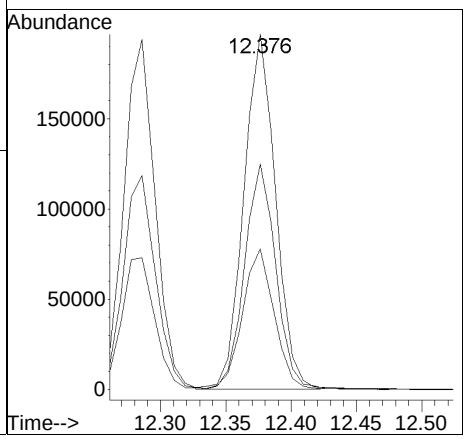


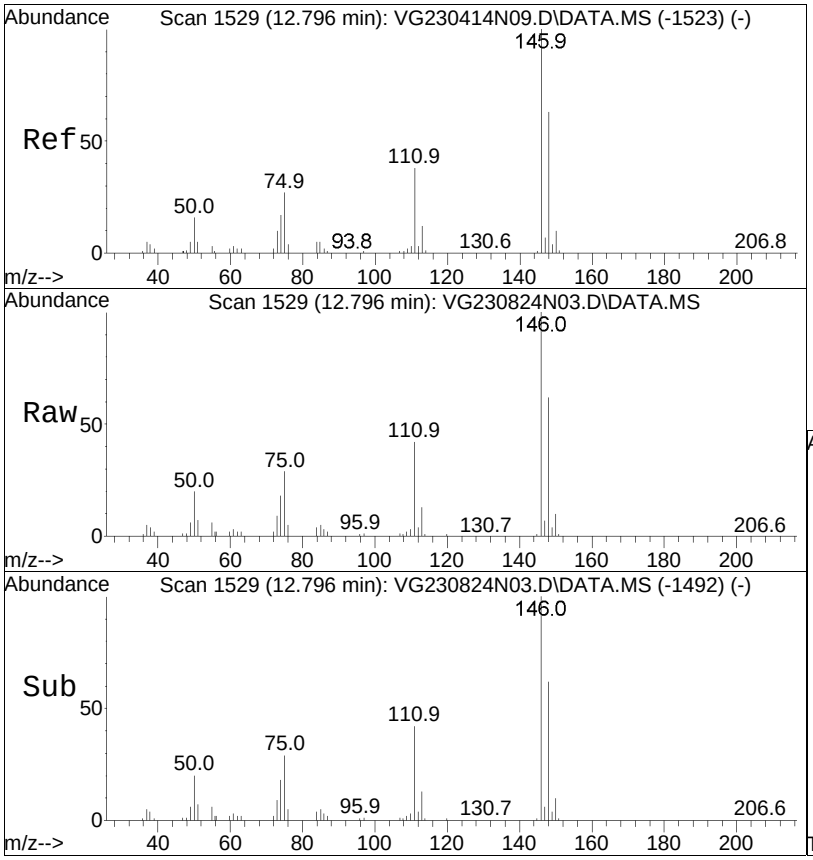


#101
1,4-Dichlorobenzene
Concen: 9.19 ug/L
RT: 12.376 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:146 Resp: 331469

Ion	Ratio	Lower	Upper
146	100		
111	39.9	29.3	43.9
148	62.9	51.2	76.8

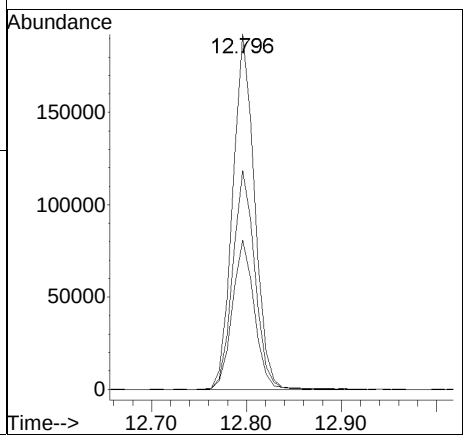


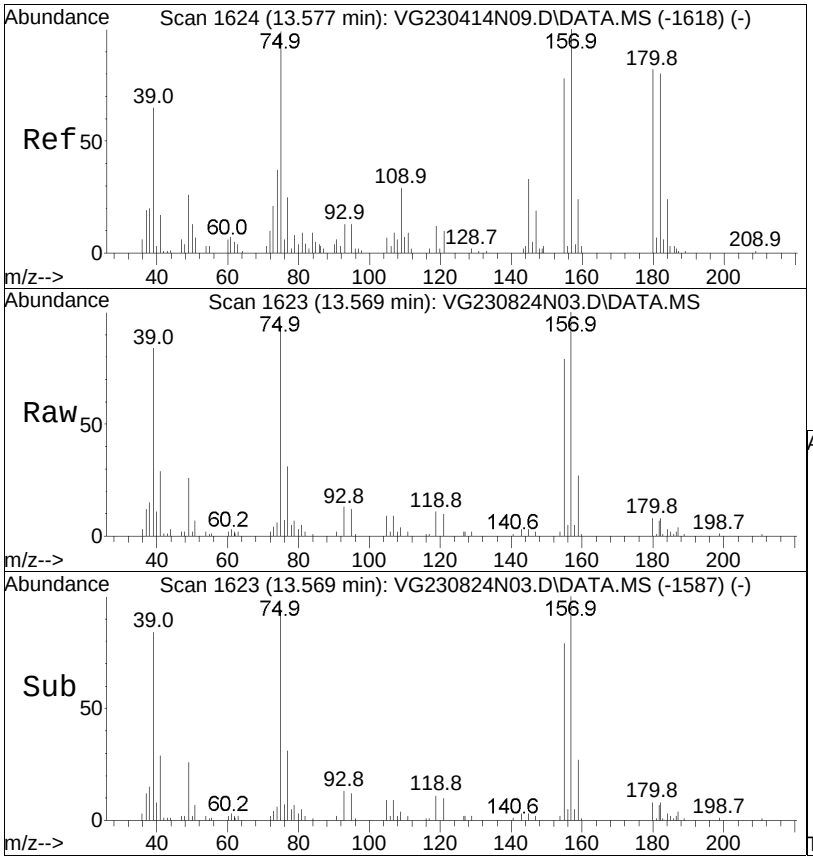


#104
1,2-Dichlorobenzene
Concen: 9.05 ug/L
RT: 12.796 min Scan# 1529
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:146 Resp: 309230

Ion	Ratio	Lower	Upper
146	100		
111	42.1	25.4	52.8
148	62.3	41.7	86.5

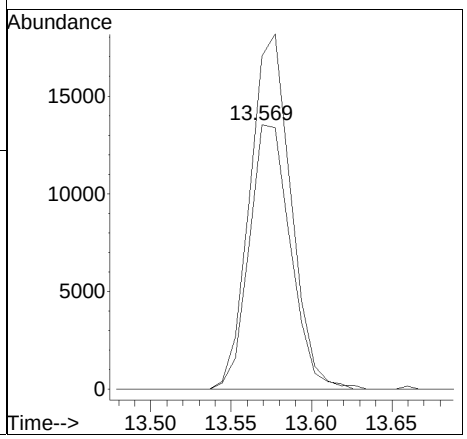


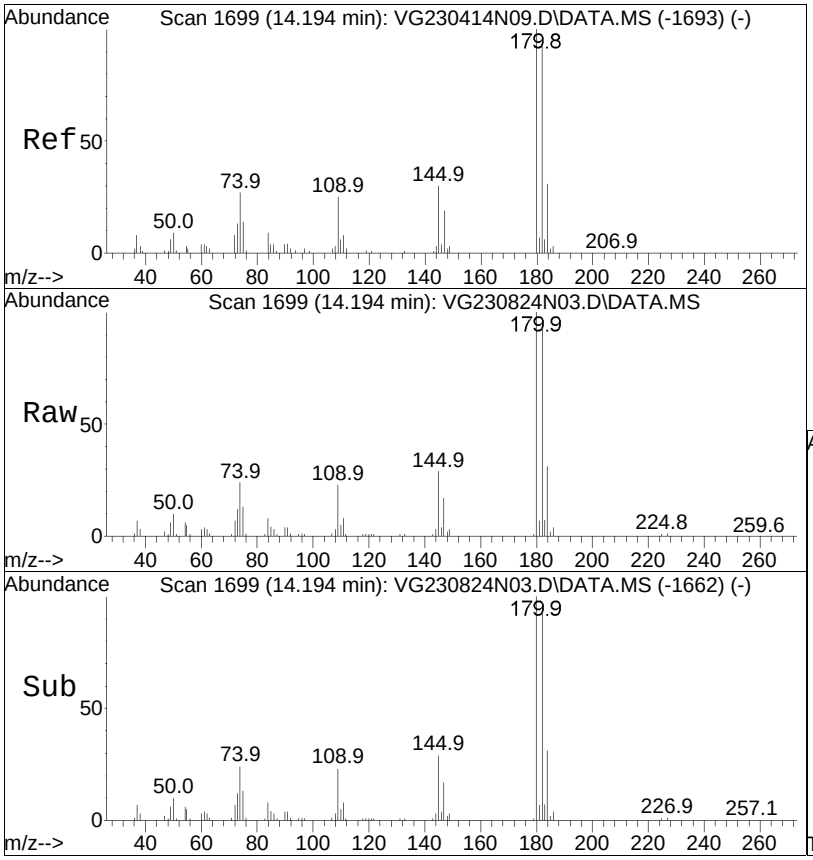


#106
1,2-Dibromo-3-chloropropane
Concen: 7.91 ug/L
RT: 13.569 min Scan# 1623
Delta R.T. 0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:155 Resp: 24239

Ion	Ratio	Lower	Upper
155	100		
157	133.3	99.9	149.9

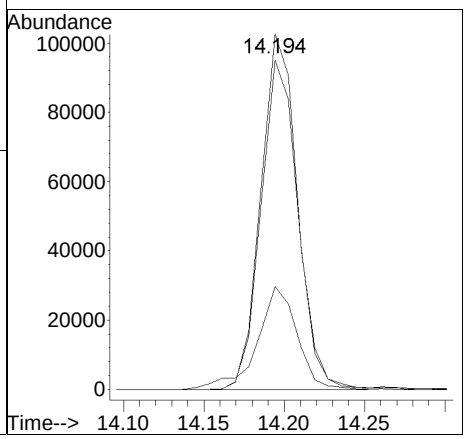


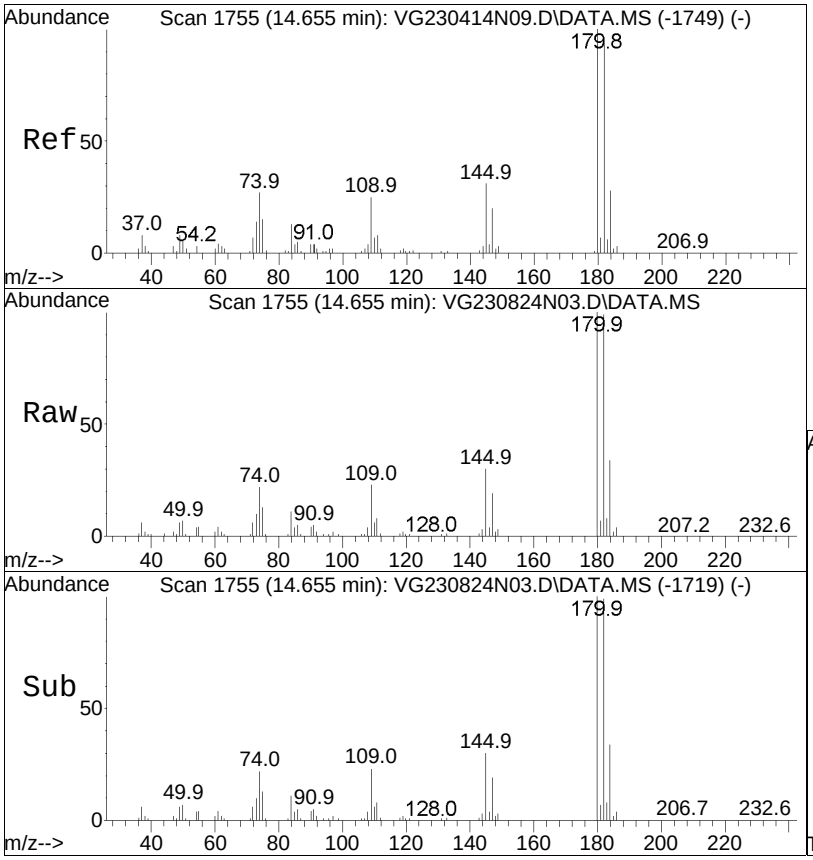


#109
1,2,4-Trichlorobenzene
Concen: 8.36 ug/L
RT: 14.194 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:180 Resp: 163225

Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.7	115.1
145	31.4	26.5	39.7

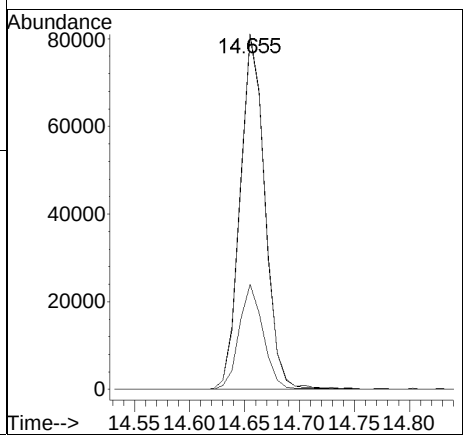




#111
1,2,3-Trichlorobenzene
Concen: 8.02 ug/L
RT: 14.655 min Scan# 1755
Delta R.T. -0.000 min
Lab File: VG230824N03.D
Acq: 24 Aug 2023 7:02 pm

Tgt Ion:180 Resp: 127734

Ion	Ratio	Lower	Upper
180	100		
182	98.7	77.0	115.4
145	28.7	24.1	36.1



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 25 2023, 01:45 pm

Work Group: WG1820053 for Department: 31 GC/MS - Volatiles

Created: 25-AUG-23 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2347741-18	MW-28	S	NYSTARS-8260	WATER	SEC	U	0830	0831	S0	Vial-B
L2347741-19	MW-29	S	NYSTARS-8260	WATER	DONE	U	0830	0831	S0	Vial-B
L2348770-01	MW-10	S	NYTCL-8260-R2	WATER	DONE	U	0905	0829	S0	Vial-B
L2348770-02	BR-2	S	NYTCL-8260-R2	WATER	DONE	U	0905	0829	S0	Vial-B
L2348770-03	MW-11	S	NYTCL-8260-R2	WATER	DONE	U	0905	0829	S0	Vial-B
L2348770-04	MW-9	S	NYTCL-8260-R2	WATER	DONE	U	0905	0829	S0	Vial-B
L2348770-05	MW-2	S	NYTCL-8260-R2	WATER	DONE	U	0905	0829	S0	Vial-B
L2348770-06	TB08222023	S	NYTCL-8260-R2	WATER	DONE	U	0905	0829	S0	Vial-B
L2348770-07	DUP08222023	S	NYTCL-8260-R2	WATER	DONE	U	0905	0829	S0	Vial-B
L2348789-03	TANK 22	S	NYTCL-8260-R2	WATER	DONE	U	0904	0825	3C	Vial-B
L2348789-04	TANK 25	S	NYTCL-8260-R2	WATER	DONE	U	0904	0825	3C	Vial-B
WG1820053-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1820053-1	MS BFB Tune Standard	S	NYSTARS-8260	WATER	DONE	U				
WG1820053-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1820053-2	Continuing Calibrati	S	NYSTARS-8260	WATER	DONE	U				
WG1820053-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1820053-3	Laboratory Control S	S	NYSTARS-8260	WATER	DONE	U				
WG1820053-4	LCS Duplicate	S	NYSTARS-8260	WATER	DONE	U				
WG1820053-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1820053-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1820053-5	Laboratory Method Bl	S	NYSTARS-8260	WATER	DONE	U				

Comments:

WG1820053-4 WG1820053-3

Inst: Gonzo
Initials: TMS/MAG
Date: **07/26/23**
Run: **N**

BFB: V9822
IS/SS: V9831
ICAL: V9826A,V9820
ICV: V9809, V9795, V9796, V9827, V9828, V9797

Method
GC 8260_RTX_VMS
Autosampler: 8260
Concentrator: 8260

QC: ____ Seq:

Vial	DATA FILE	SAMPLE	pH<2
1	VG230726NBF2	BFB TUNE	
1	VG230726N01	BLK	
2	VG230726N02	BLK	
3	VG230726N03	I8260STD0.19PPB	
4	VG230726N04	I8260STD0.19PPB	
5	VG230726N05	I8260STD0.5PPB	
6	VG230726N06	I8260STD0.5PPB	
7	VG230726N07	I8260STD2PPB	
8	VG230726N08	I8260STD2PPB	
9	VG230726N09	I8260STD10PPB	
10	VG230726N10	I8260STD30PPB	
11	VG230726N11	I8260STD80PPB	
12	VG230726N12	I8260STD120PPB	
13	VG230726N13	I8260STD200PPB	
14	VG230726N14	BLK	
15	VG230726N15	BLK	
16	VG230726N16	BLK	
17	VG230726N17	BLK	
18	VG230726N18	C8260STD10PPB	
19	VG230726N19	C8260STD10PPB	
20	VG230726N20	BLK	
21	VG230726N21	BLK	
22	VG230726N22	METHOD BLK	
23	VG230726N23	MDL LVL11	
24	VG230726N24	MDL LVL1	
25	VG230726N25	MDL LVL2	
26	VG230726N26	BLK	

Inst: Gonzo
Initials: TMS
Date: **08/24/23**
Run: **N**

BFB: V9883
IS/SS: V9880
ICAL: V9862B,V9879

Method
GC 8260_RTX_VMS
Autosampler: 8260
Concentrator: 8260

QC: ____ Seq:

Vial	DATA FILE	SAMPLE			pH<2
1	VG230824NBF2	BFB TUNE			
1	VG230824N01	8260 CCAL SUBLIST FAILS			
2	VG230824N02	8260 CCAL LCS			
3	VG230824N03	8260 CCAL LCSD			
4	VG230824N04	BLK			
5	VG230824N05	METHOD BLK			
6	VG230824N06	L2348526-03,31,10,10,,A	OH-8260	TB	pH<2
7	VG230824N07	L2348526-02,31,10,10,,A	OH-8260		pH<2
8	VG230824N08	L2348526-01,31,10,10,,A	OH-8260		pH<2
9	VG230824N09	L2348943-01,31,10,10,,A,R3C	NJ/TBA		pH<2
10	VG230824N10	L2348770-01,31,10,10,,A	NYCURVE/R2		pH<2
11	VG230824N11	L2348770-02,31,10,10,,A	NYCURVE/R2		pH<2
12	VG230824N12	L2348770-03,31,10,10,,A	NYCURVE/R2		pH<2
13	VG230824N13	L2348770-04D,31,5.0,10,,A	NYCURVE/R2		pH<2
14	VG230824N14	L2348770-05D,31,0.5,10,,A	NYCURVE/R2		pH<2
15	VG230824N15	L2348770-07,31,10,10,,A	NYCURVE/R2		pH<2
16	VG230824N16	L2348770-06,31,10,10,,A	NYCURVE/R2	TB	pH<2
17	VG230824N17	L2347561-07,31,10,10,,C	ME8260CURVE	HS	pH<2
18	VG230824N18	L2347561-13D,31,0.4,10,,C	ME8260CURVE		pH<2
19	VG230824N19	L2347561-17D,31,0.1,10,,C	ME8260CURVE		pH<2
20	VG230824N20	L2347816-05D,31,2.5,10,,C	NJ/BENZ,TBA		pH<2
21	VG230824N21	L2347816-06D,31,1.0,10,,C	NJ/EB		pH<2
22	VG230824N22	L2347741-18D,31,2.0,10,,C	NY/BENZ,EB		pH<2
23	VG230824N23	L2347741-19,31,10,10,,C	NYSTARS		pH<2
24	VG230824N24	BLK			
25	VG230824N25	L2348789-04D,31,1.0,10,,C,R3C	NY/R2		pH>2
26	VG230824N26	L2348789-03D,31,0.25,10,,C,R3C	NY/R2		pH>2
27	VG230824N27	L2348770-05DUP,31,0.5,10,,A	NJQC		pH<2
28	VG230824N28	L2348770-05MS,31,0.5,10,,A	NJQC		pH<2
29	VG230824N29	HSTD			
30	VG230824N30	BLK			
31	VG230824N31	BLK			
32	VG230824N32	BLK			
33	VG230824N33	BLK			

ATTACHMENT 3
SSDS Inspection Form

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, NY 12110

SSDS INSPECTION FORM

Project/No.	2014-45					Page 1 of 1		
Client:	New Paltz Plaza							
Inspector:	A. Castignetti and P. Scholar					Date: 8/22/2023 and 9/19/2023		
Instrument Used:	NA							
Measurements by:	A. Castignetti and P. Scholar							
Task:	Perform Annual (2023) SSDS Inspection							

Item	Liquor Store	Laundromat	Dry Cleaner	Peter Harris Store	Metro* Mattress	TasTea*	Bagle Shop	Dollar Store
System Fan	X	X	X	X	X	X[1]	X	X
System Piping and Connections	X	X	X	X	X	X	X	X
Slab/System Interface Seals	X	X	X	X	X	X	X	X
Electrical Components	X	X	X	X	X	X	X	X
Pressure Gauges	X	X	X	X	X	X	X	X
Low Presure Alarm	X	X	X	X	X	X	X	X
Pressure Differential Reading	-13.5	-4	-27	-38	-2.5	-19	-12.5	-1

Notes:

X = No deficiencies observed.

1. System fan not functioning during initial inspection. Fan replaced on 09/19/2023.

*See attached map for store locations.