Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073123\
Data File : VN078705.D
Acq On : 31 Jul 2023 15:11
Operator : JC\MD
Sample : 03797-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Quant Time: Aug 01 01:18:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	734854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1331588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1228539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	400256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	486757	49.409	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.820%			
35) Dibromofluoromethane	8.177	113	448244	49.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	10.570	98	1691163	49.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.060%			
62) 4-Bromofluorobenzene	12.853	95	550047	52.295	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.600%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	3674	0.375	ug/l #	80
5) Bromomethane	2.971	94	3760	Below Cal		83
6) Chloroethane	3.065	64	674	Below Cal	#	43
10) Methyl Iodide	4.594	142	2339	0.212	ug/l #	95
11) Tert butyl alcohol	5.541	59	1991	1.311	ug/l #	81
13) Acrolein	4.194	56	536	0.359	ug/l #	53
16) Acetone	4.447	43	180503	58.820	ug/l	99
18) Methyl Acetate	5.047	43	10004	0.770	ug/l #	82
20) Methylene Chloride	5.294	84	49487	4.510	ug/l	90
25) 2-Butanone	7.494	43	101336	20.978	ug/l #	82
29) Tetrahydrofuran	7.859	42	3467	1.094	ug/l #	85
31) Cyclohexane	8.229	56	13736	1.032	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	57779	4.427	ug/l #	47
37) Ethyl Acetate	7.577	43	33423	3.072	ug/l	94
38) Carbon Tetrachloride	8.235	117	76672	5.405	ug/l #	14
42) 1,2-Dichloroethane	8.700	62	4154	0.316	ug/l #	73
43) Isopropyl Acetate	8.694	43	553698	30.910	ug/l #	83
48) Methyl methacrylate	9.671	41	13484	1.625	ug/l #	4
49) 1,4-Dioxane	9.706	88	276	1.525	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	431383	40.487	ug/l	91
54) cis-1,3-Dichloropropene	10.365	75	201787	13.373	ug/l #	63
57) 1,3-Dichloropropane	11.206	76	19820	1.235	ug/l #	43
59) 2-Hexanone	11.176	43	687677	90.812	ug/l #	19
74) N-amyl acetate	12.482	43	5121	0.395	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.959	83	1940	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	275377	28.464	ug/l #	1
77) Bromobenzene	12.970	156	781	Below Cal		93
81) trans-1,4-Dichloro-2-b...	12.853	75	275377	74.797	ug/l #	15
90) Hexachloroethane	14.329	117	155	Below Cal		70
92) 1,2-Dibromo-3-Chloropr...	14.711	75	212	Below Cal	#	4
94) Hexachlorobutadiene	15.505	225	624	Below Cal	#	70
95) Naphthalene	15.647	128	4084	0.261	ug/l #	93

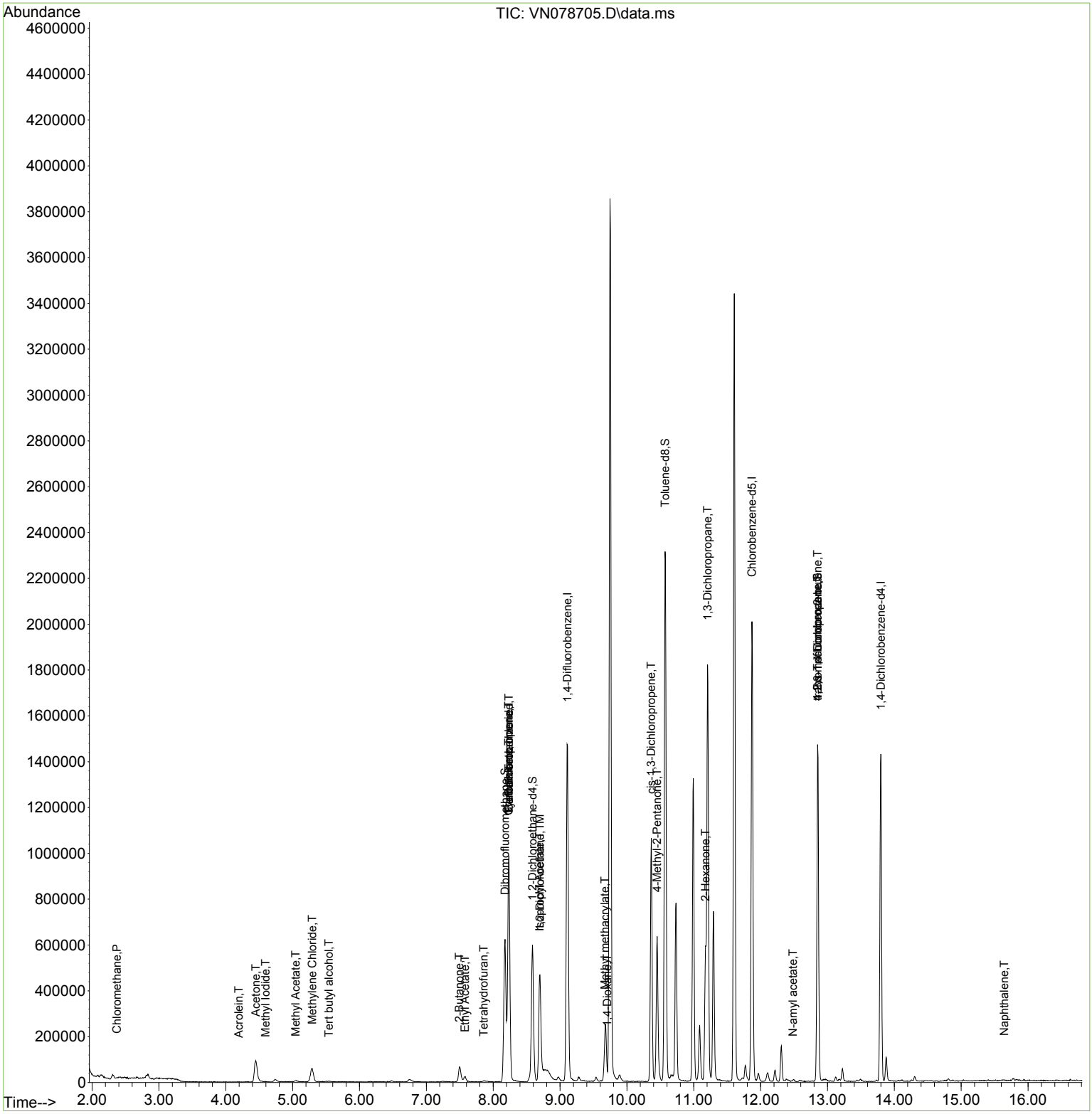
(#) = qualifier out of range (m) = manual integration (+) = signals summed

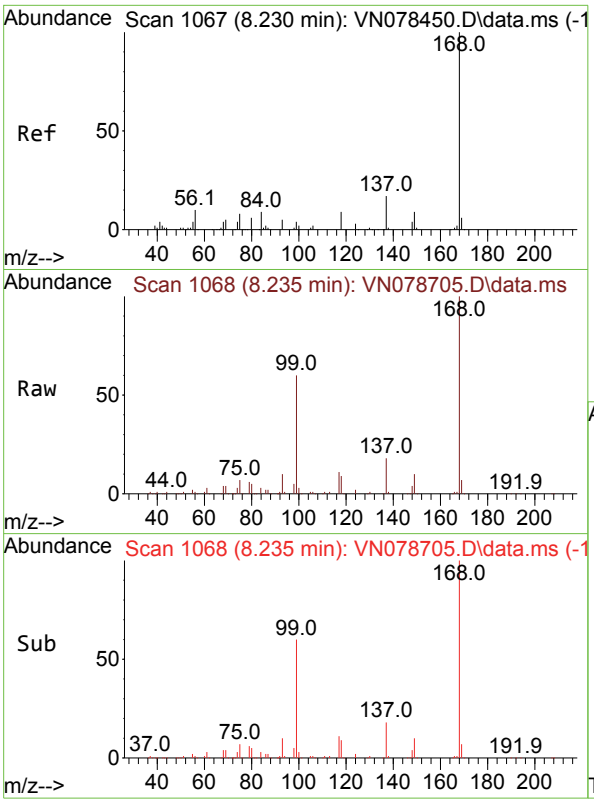
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073123\
Data File : VN078705.D
Acq On : 31 Jul 2023 15:11
Operator : JC\MD
Sample : 03797-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Quant Time: Aug 01 01:18:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration



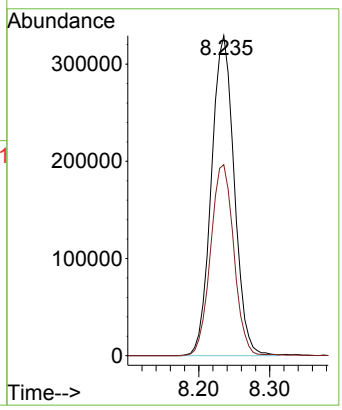


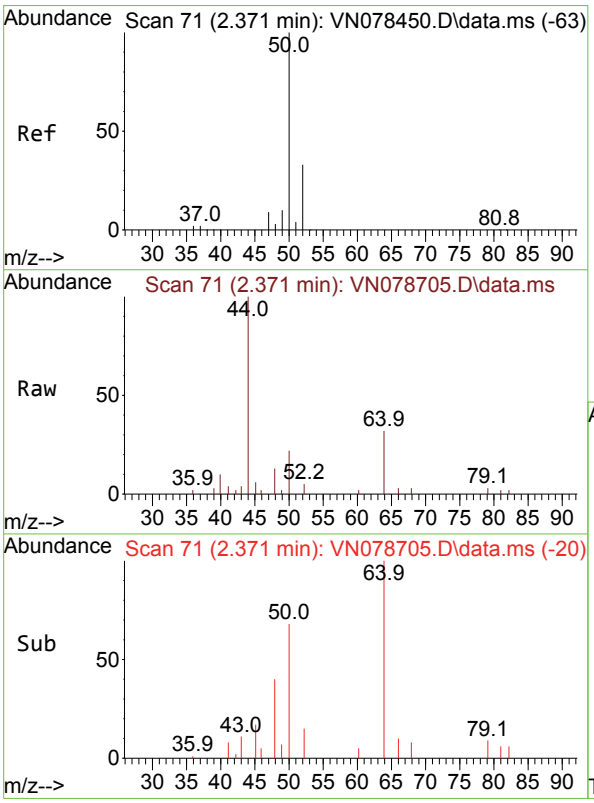
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion:168 Resp: 734854

Ion	Ratio	Lower	Upper
168	100		
99	59.7	53.0	79.6

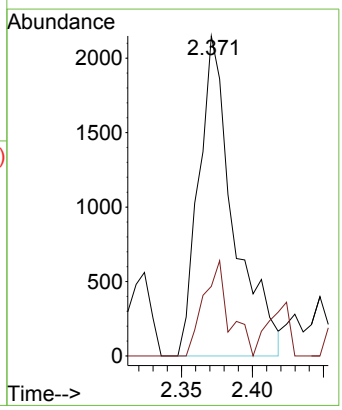


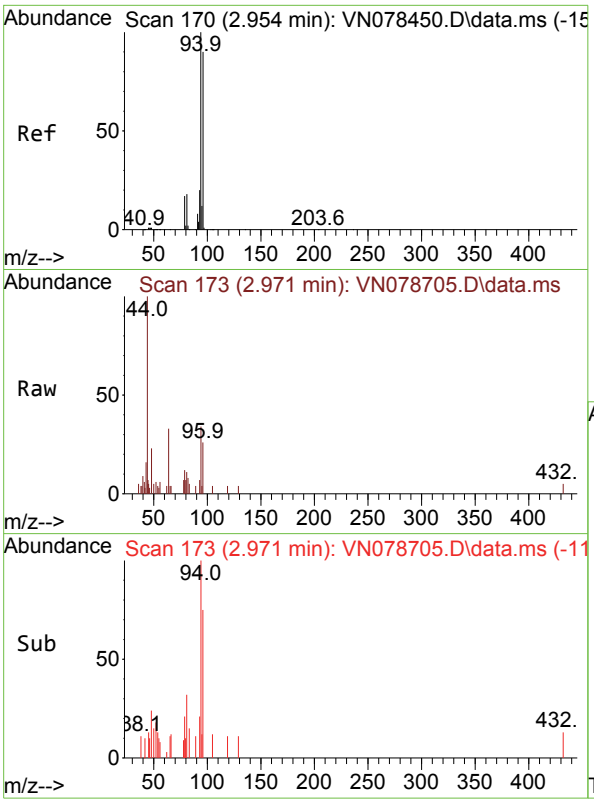


#3
Chloromethane
Concen: 0.375 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 50 Resp: 3674

Ion	Ratio	Lower	Upper
50	100		
52	21.8	26.5	39.7#



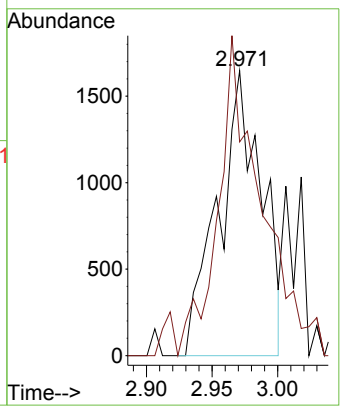


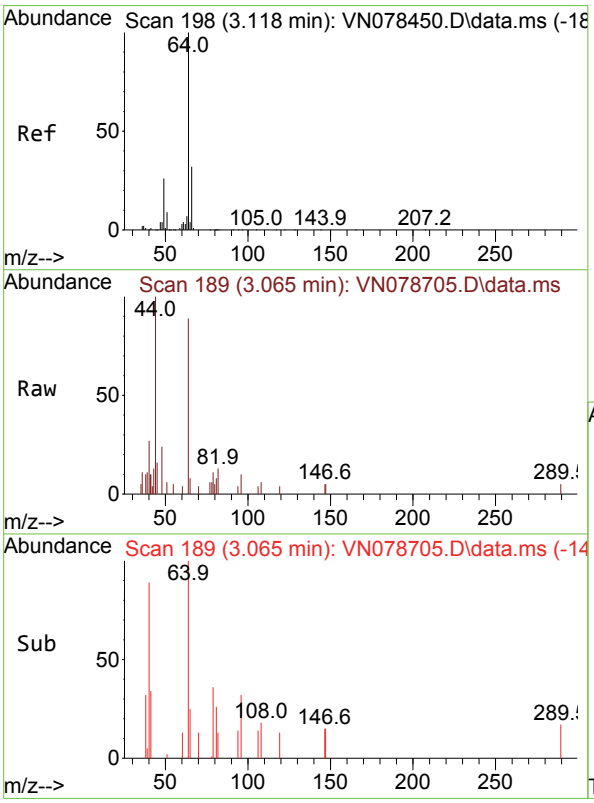
#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 1
Delta R.T. 0.017 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 94 Resp: 3760

Ion	Ratio	Lower	Upper
94	100		
96	75.0	73.1	109.7

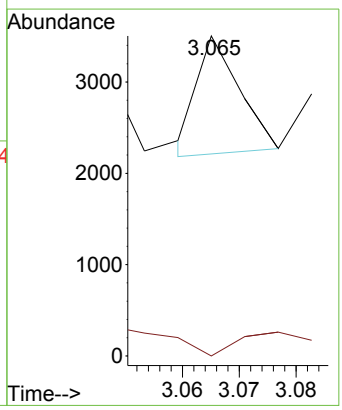


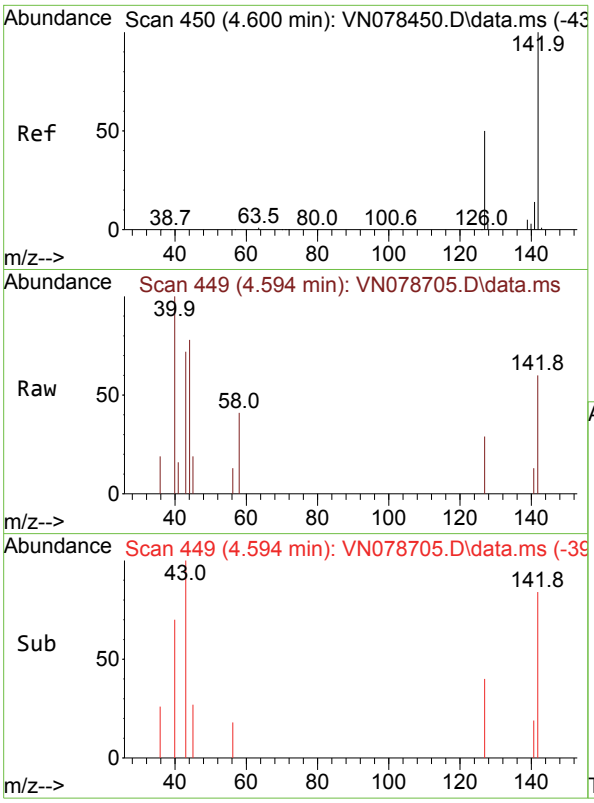


#6
Chloroethane
Concen: Below Cal
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 64 Resp: 674

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.4	38.2#



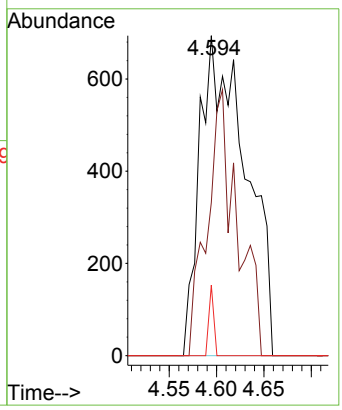


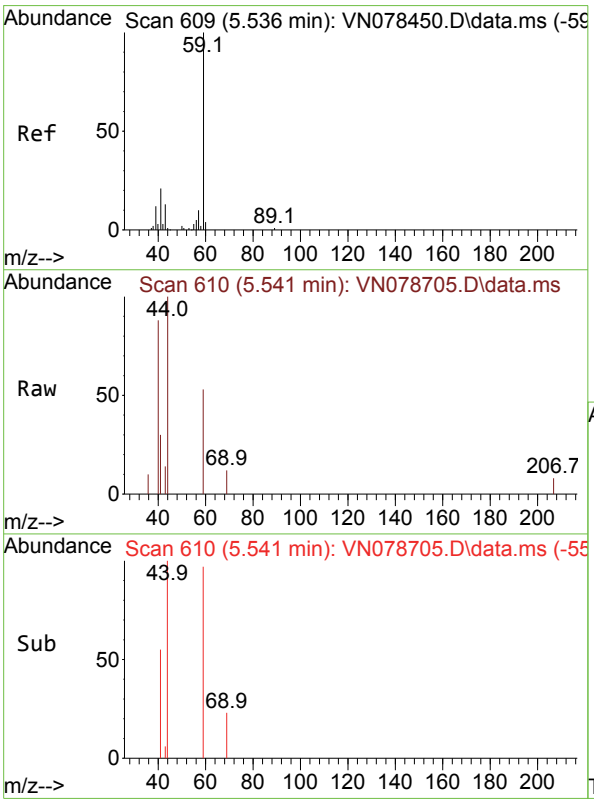
#10
Methyl Iodide
Concen: 0.212 ug/l
RT: 4.594 min Scan# 44
Delta R.T. -0.006 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion:142 Resp: 2339

Ion	Ratio	Lower	Upper
142	100		
127	47.8	37.6	56.4
141	22.0	11.4	17.0#

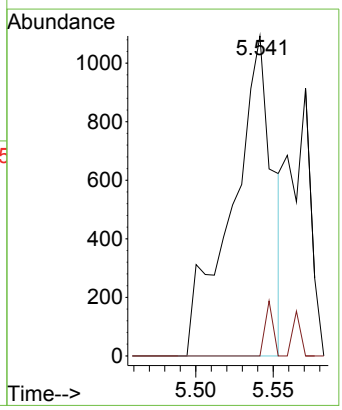


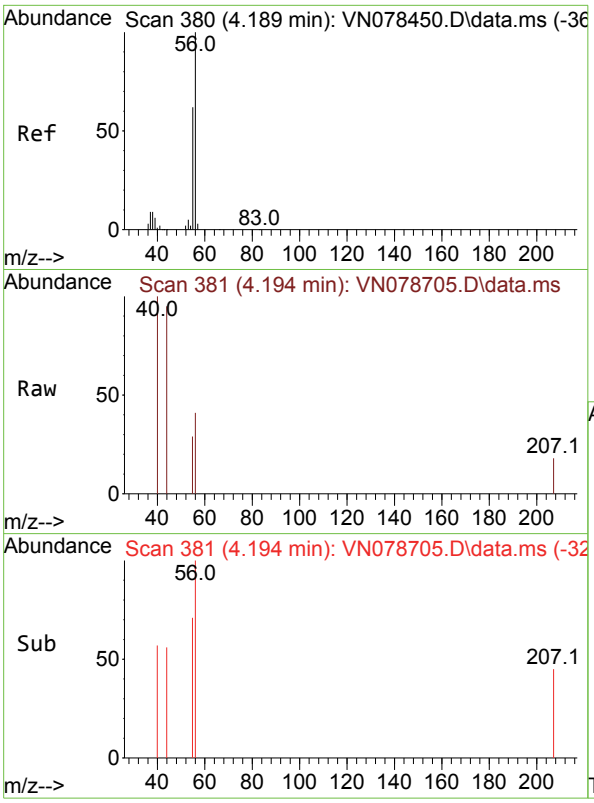


#11
Tert butyl alcohol
Concen: 1.311 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.005 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 59 Resp: 1991

Ion	Ratio	Lower	Upper
59	100		
57	3.3	8.2	12.4#



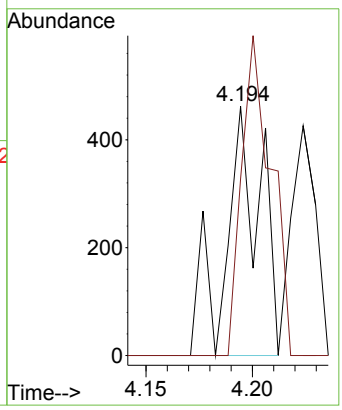


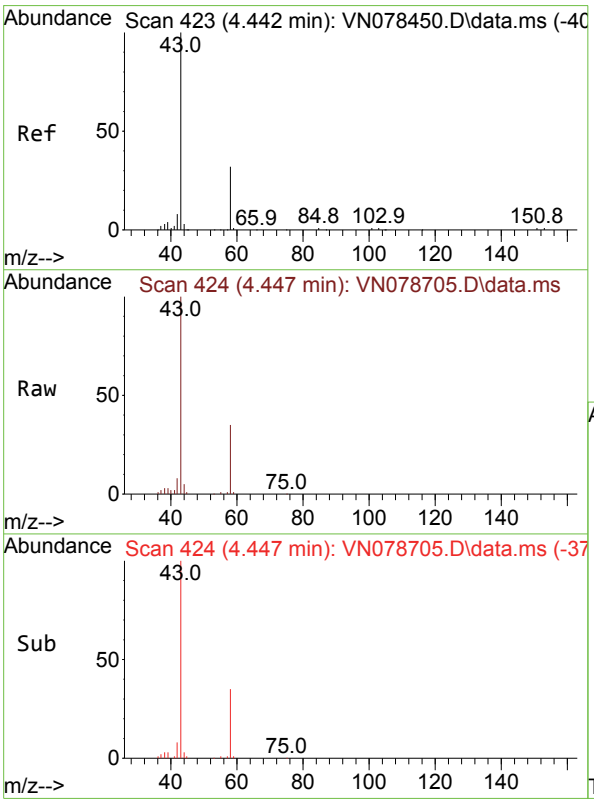
#13
Acrolein
Concen: 0.359 ug/l
RT: 4.194 min Scan# 3
Delta R.T. 0.005 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 56 Resp: 536

Ion	Ratio	Lower	Upper
56	100		
55	106.2	54.5	81.7#

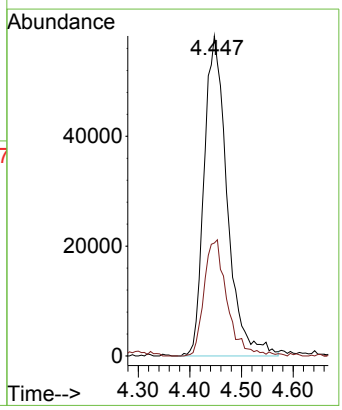


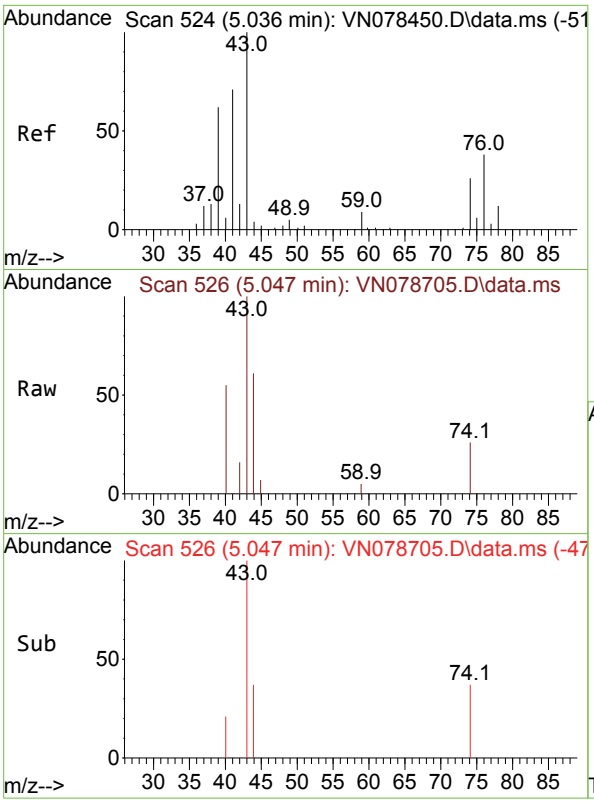


#16
Acetone
Concen: 58.820 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 43 Resp: 180503

Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.0	42.0



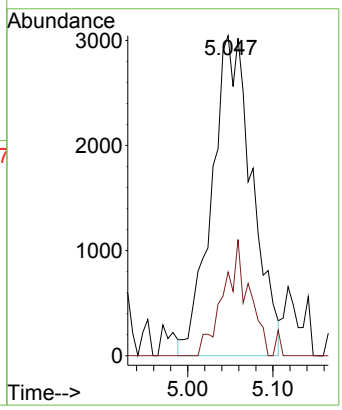


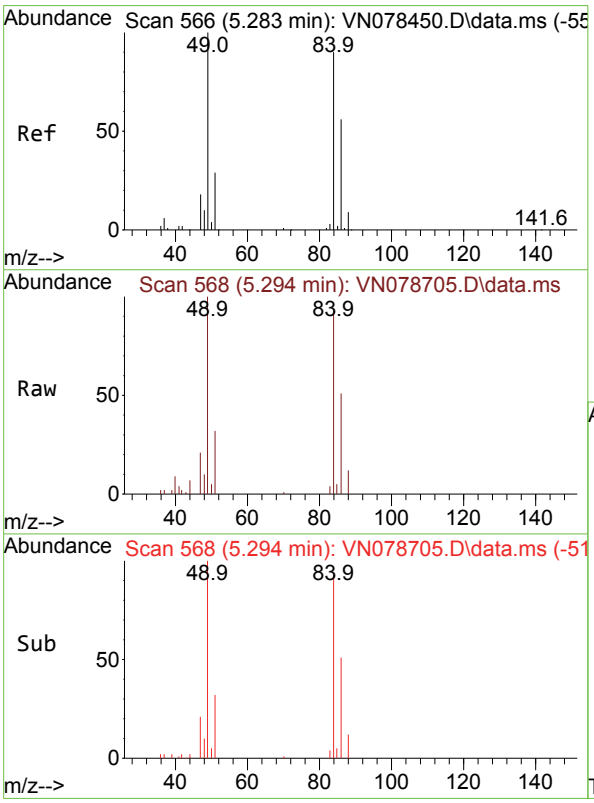
#18
Methyl Acetate
Concen: 0.770 ug/l
RT: 5.047 min Scan# 5
Delta R.T. 0.011 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 43 Resp: 10004

Ion	Ratio	Lower	Upper
43	100		
74	22.9	26.2	39.4#

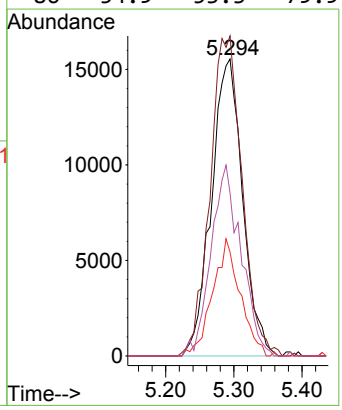


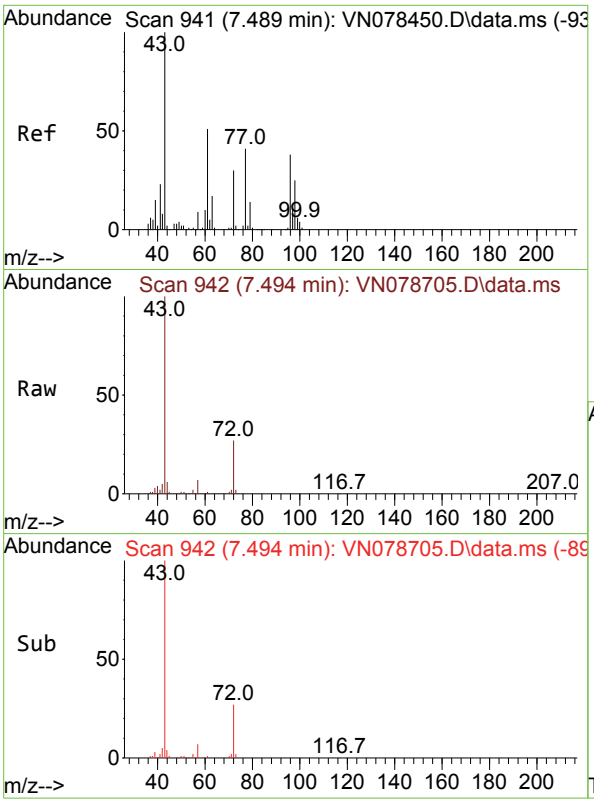


#20
Methylene Chloride
Concen: 4.510 ug/l
RT: 5.294 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 84 Resp: 49487

Ion	Ratio	Lower	Upper
84	100		
49	107.7	79.7	119.5
51	35.0	25.2	37.8
86	54.9	53.3	79.9



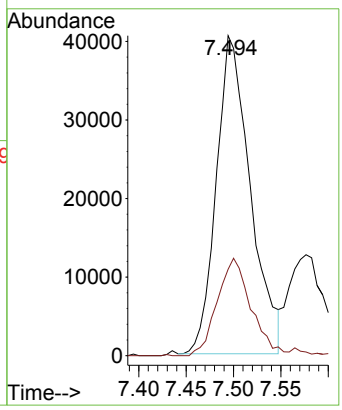


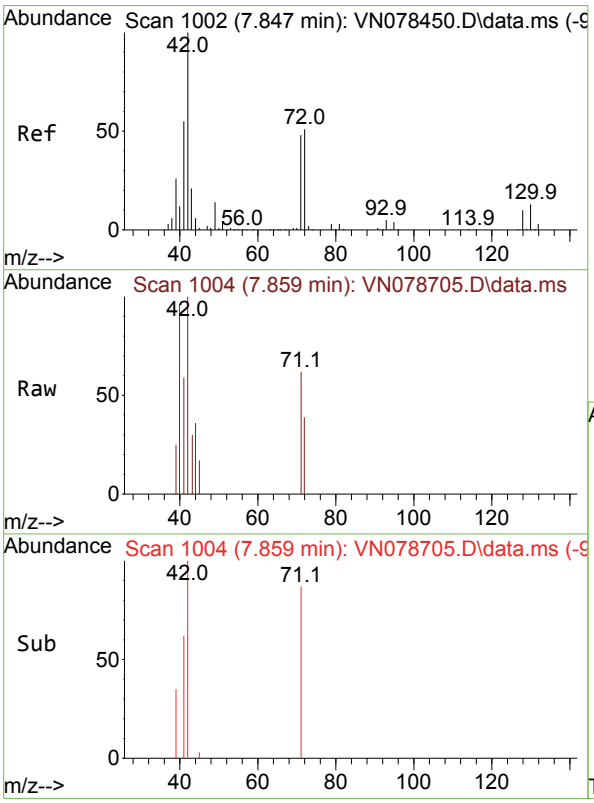
#25
2-Butanone
Concen: 20.978 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.005 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 43 Resp: 101336

Ion	Ratio	Lower	Upper
43	100		
72	27.2	30.2	45.2#

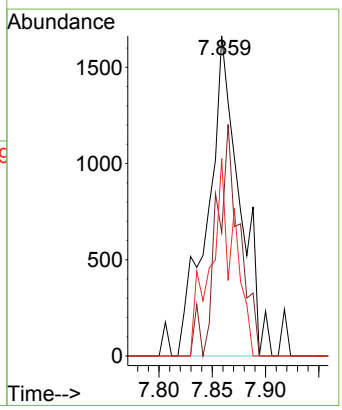


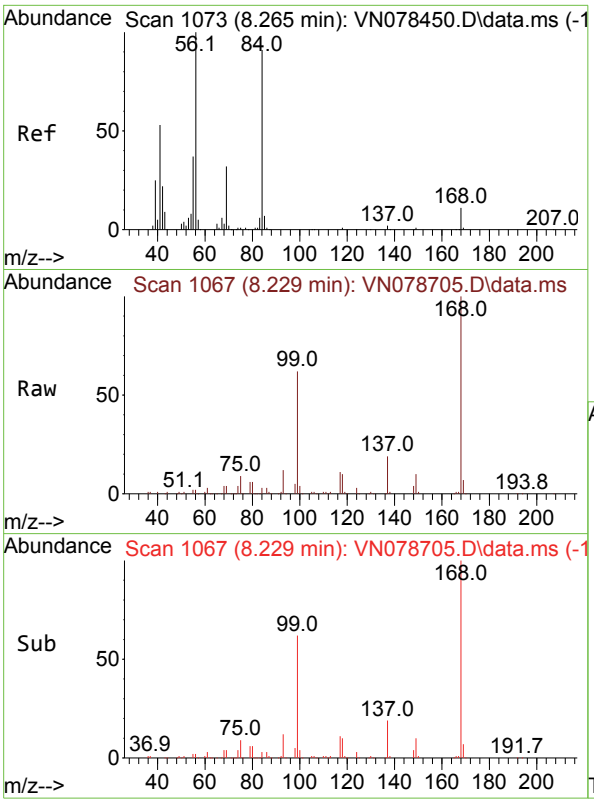


#29
Tetrahydrofuran
Concen: 1.094 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 42 Resp: 3467

Ion	Ratio	Lower	Upper
42	100		
72	52.0	49.8	74.6
71	46.1	47.4	71.2#



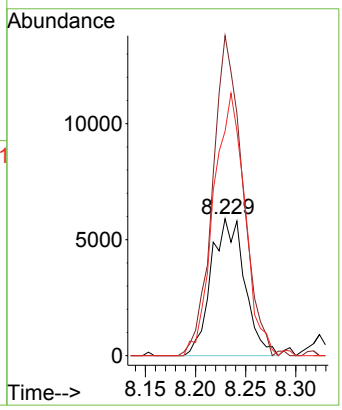


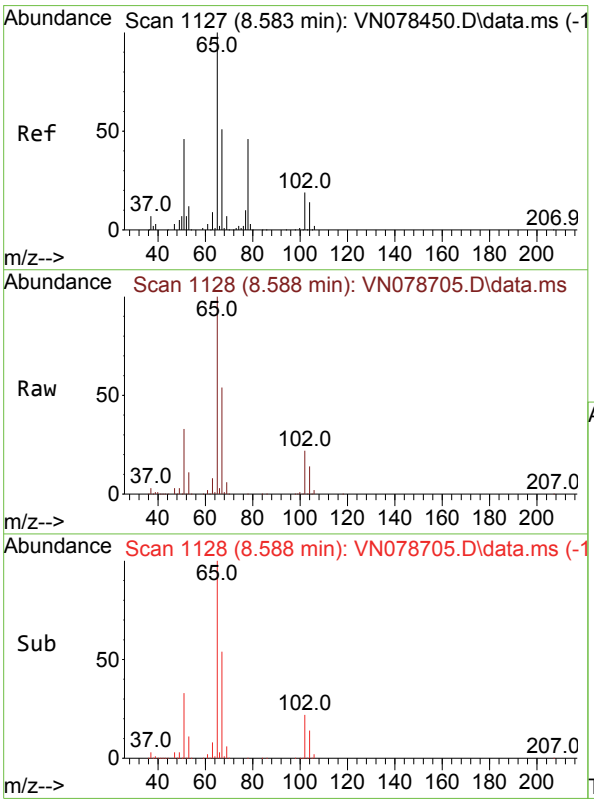
#31
Cyclohexane
Concen: 1.032 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.036 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 56 Resp: 13736

Ion	Ratio	Lower	Upper
56	100		
69	233.6	26.8	40.2#
84	163.8	81.8	122.6#

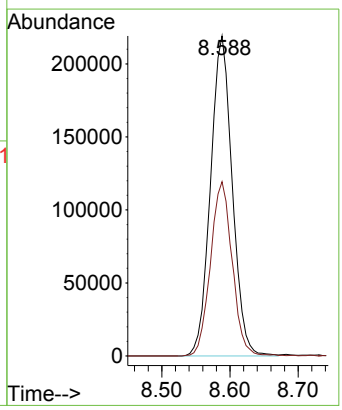


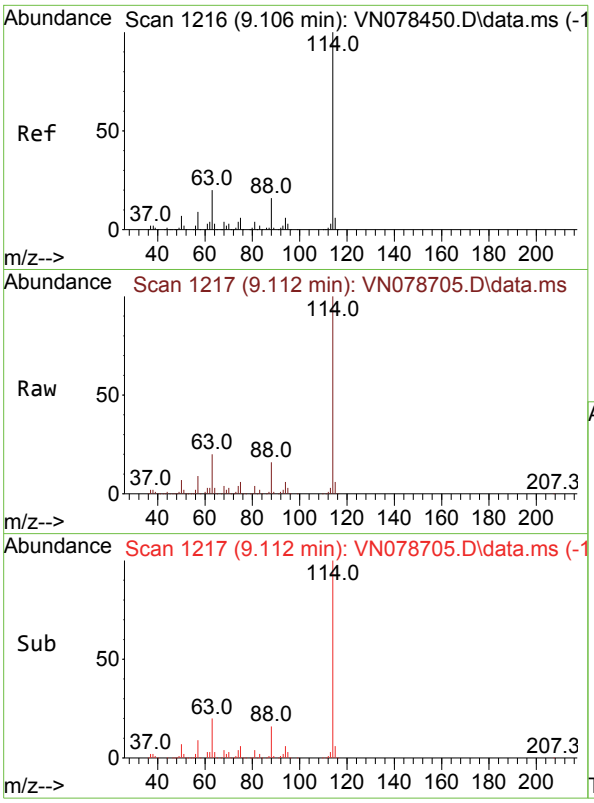


#33
1,2-Dichloroethane-d4
Concen: 49.409 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 65 Resp: 486757

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	106.6



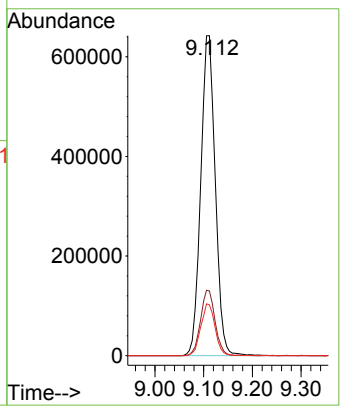


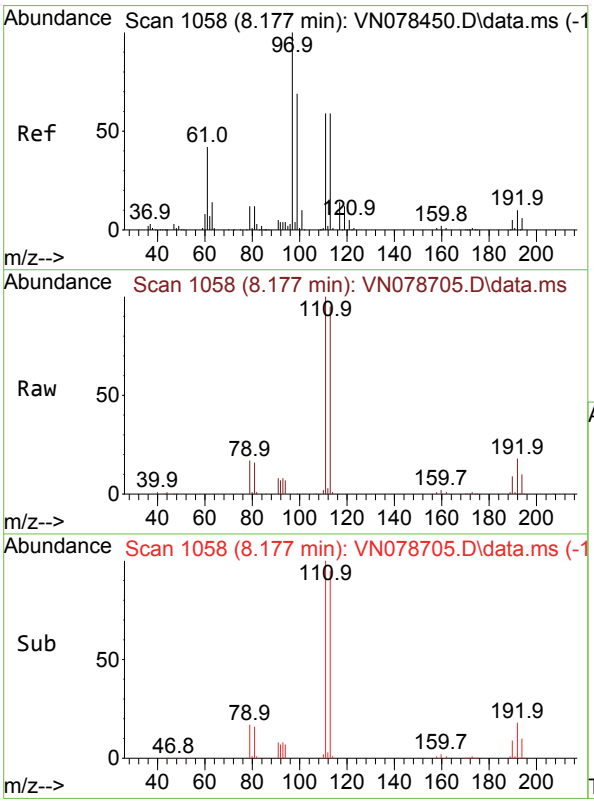
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion:114 Resp: 1331588

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	36.4
88	15.9	0.0	30.6

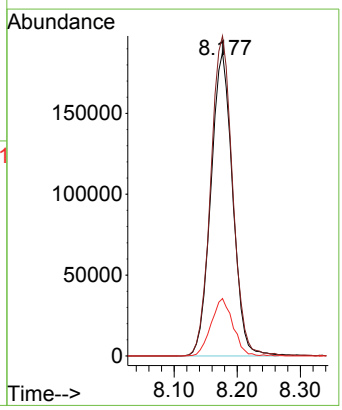


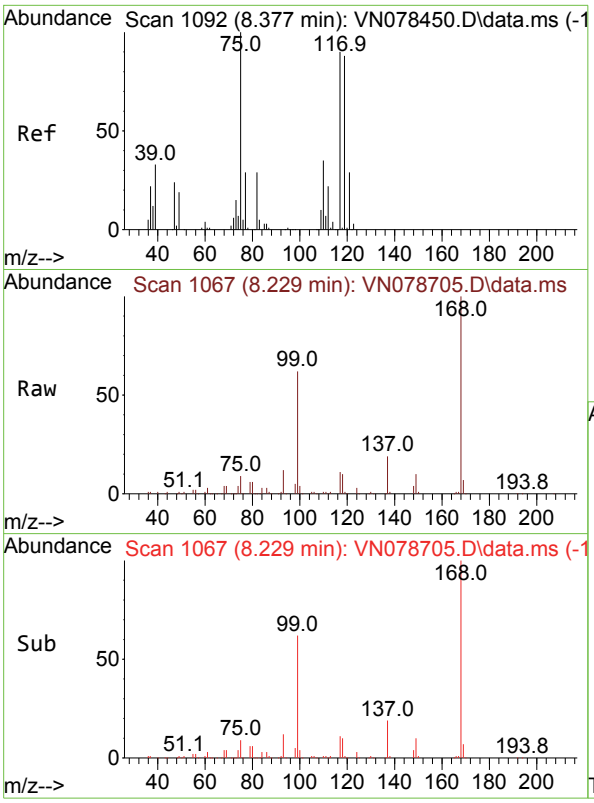


#35
Dibromofluoromethane
Concen: 49.589 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion:113 Resp: 448244

Ion	Ratio	Lower	Upper
113	100		
111	106.3	82.6	123.8
192	19.0	12.7	19.1



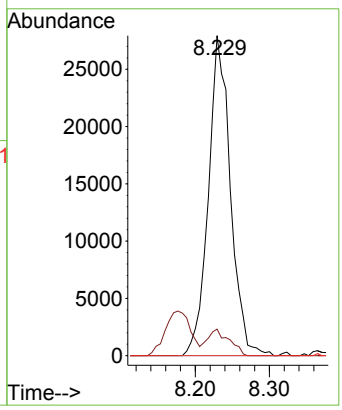


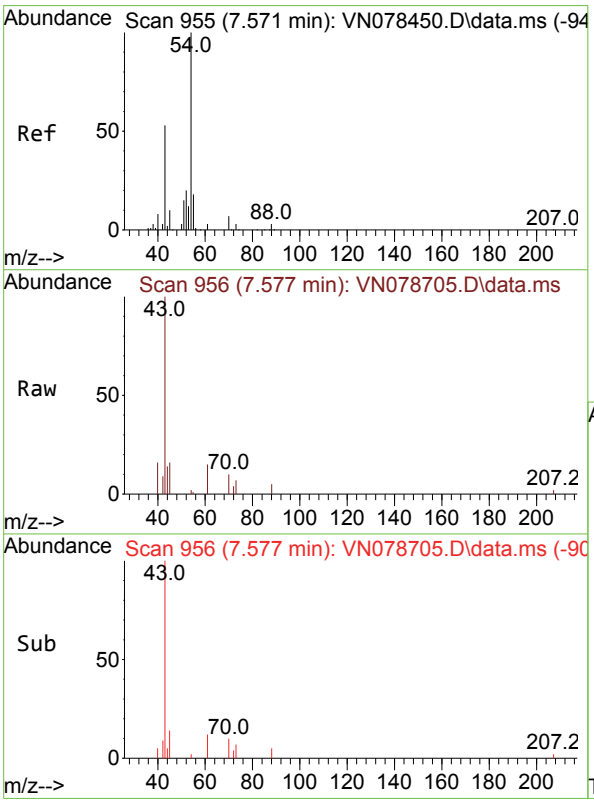
#36
1,1-Dichloropropene
Concen: 4.427 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.148 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 75 Resp: 57779

Ion	Ratio	Lower	Upper
75	100		
110	8.2	19.1	57.3#
77	0.0	25.0	37.4#

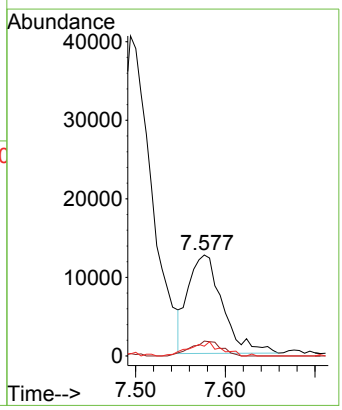


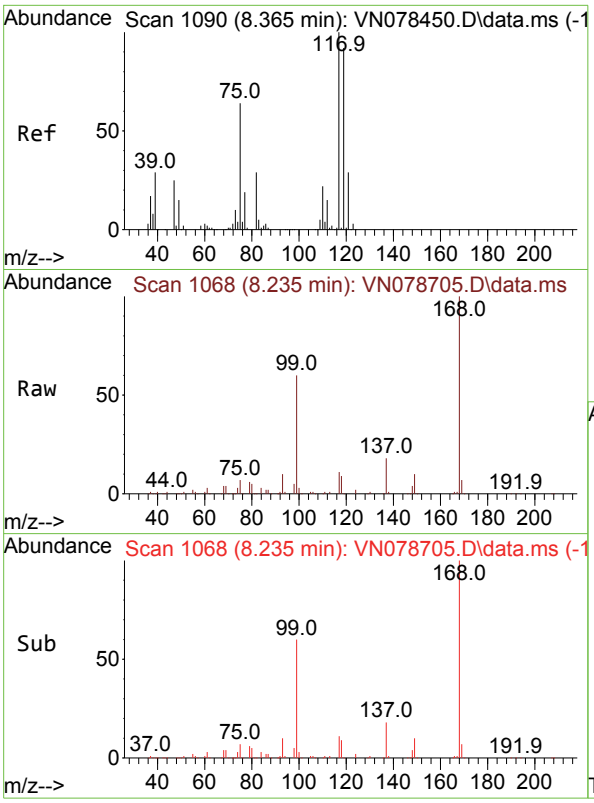


#37
Ethyl Acetate
Concen: 3.072 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 43 Resp: 33423

Ion	Ratio	Lower	Upper
43	100		
61	13.5	13.2	19.8
70	12.6	11.3	16.9



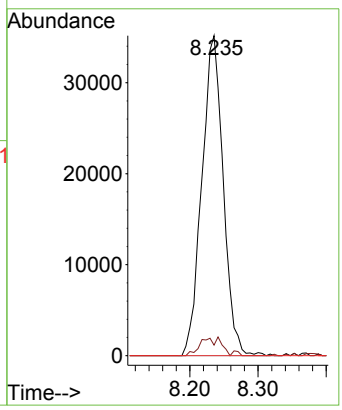


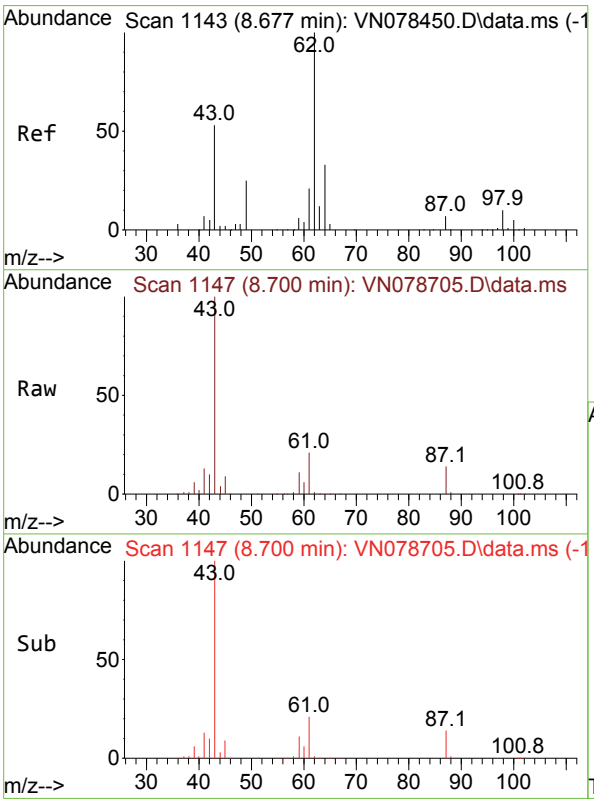
#38
Carbon Tetrachloride
Concen: 5.405 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.130 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion:117 Resp: 76672

Ion	Ratio	Lower	Upper
117	100		
119	3.3	77.3	115.9#
121	0.0	23.3	34.9#

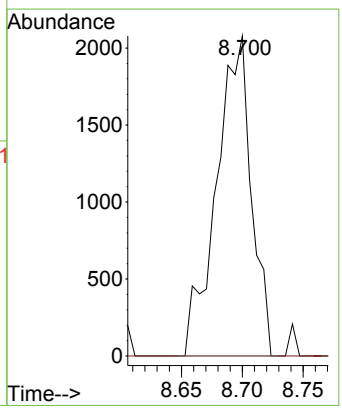


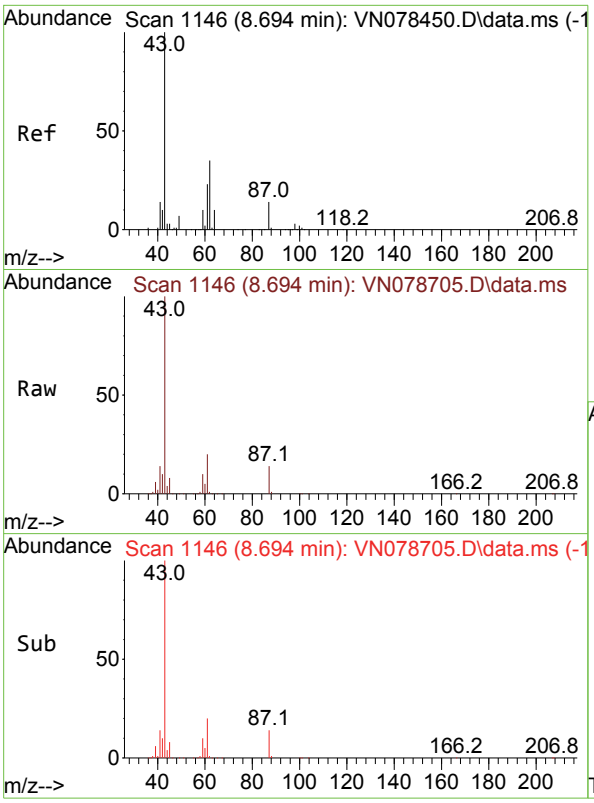


#42
1,2-Dichloroethane
Concen: 0.316 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.023 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 62 Resp: 4154

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.8



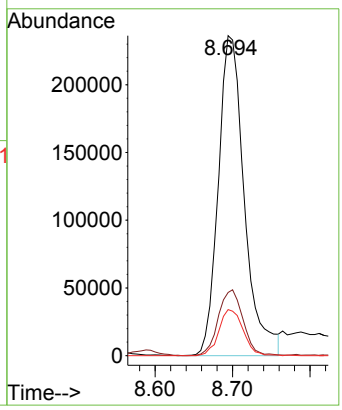


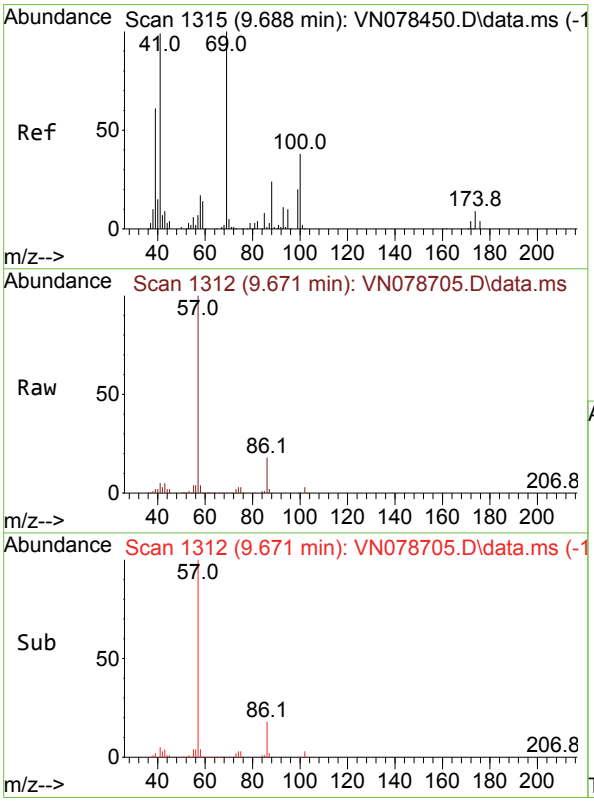
#43
Isopropyl Acetate
Concen: 30.910 ug/l
RT: 8.694 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 43 Resp: 553698

Ion	Ratio	Lower	Upper
43	100		
61	19.5	24.7	37.1#
87	13.4	14.6	21.8#

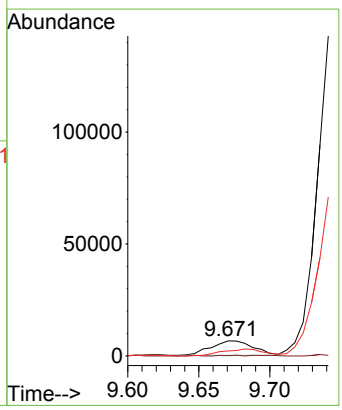


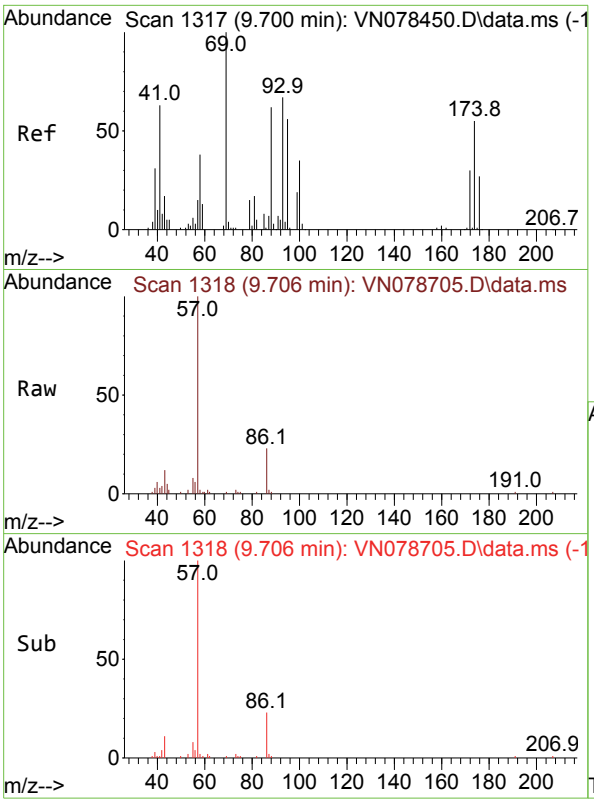


#48
Methyl methacrylate
Concen: 1.625 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 41 Resp: 13484

Ion	Ratio	Lower	Upper
41	100		
69	1.9	90.4	135.6#
39	0.0	54.6	81.8#



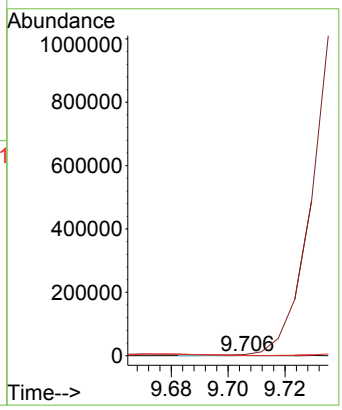


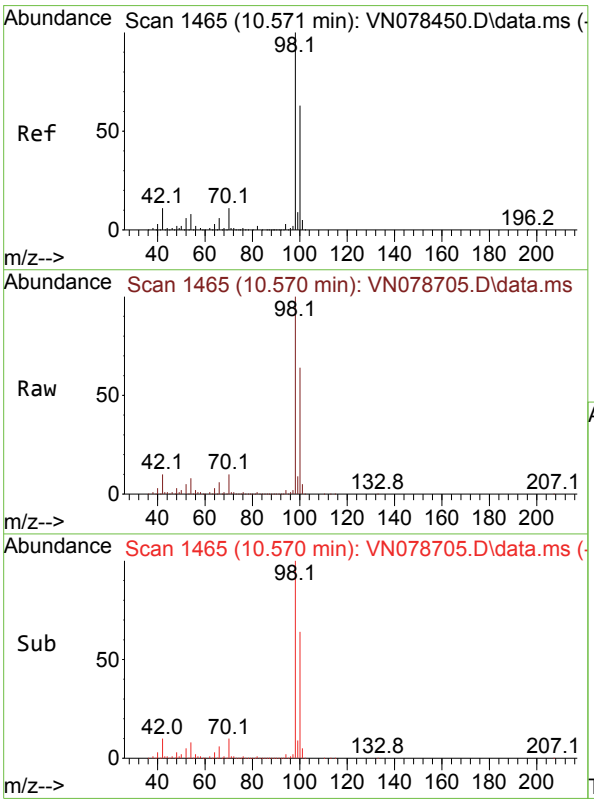
#49
1,4-Dioxane
Concen: 1.525 ug/l
RT: 9.706 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 88 Resp: 276

Ion	Ratio	Lower	Upper
88	100		
43	0.0	17.0	25.6#
58	0.0	47.0	70.4#

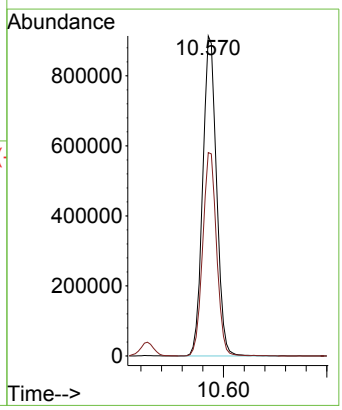


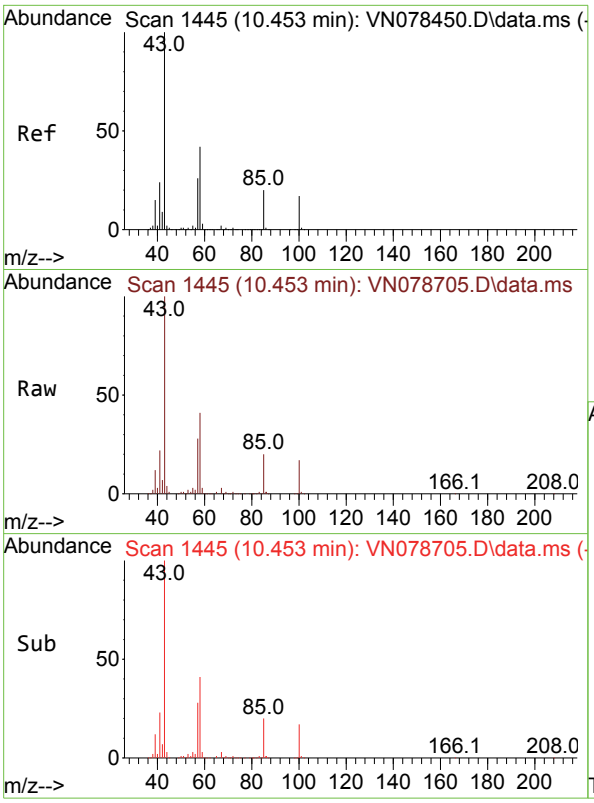


#50
Toluene-d8
Concen: 49.525 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 98 Resp: 1691163

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0



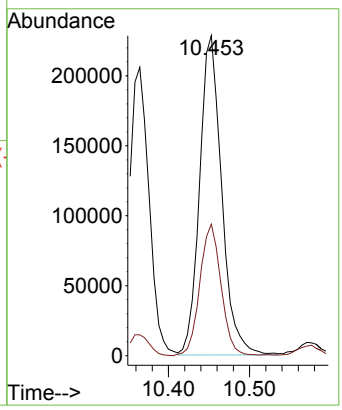


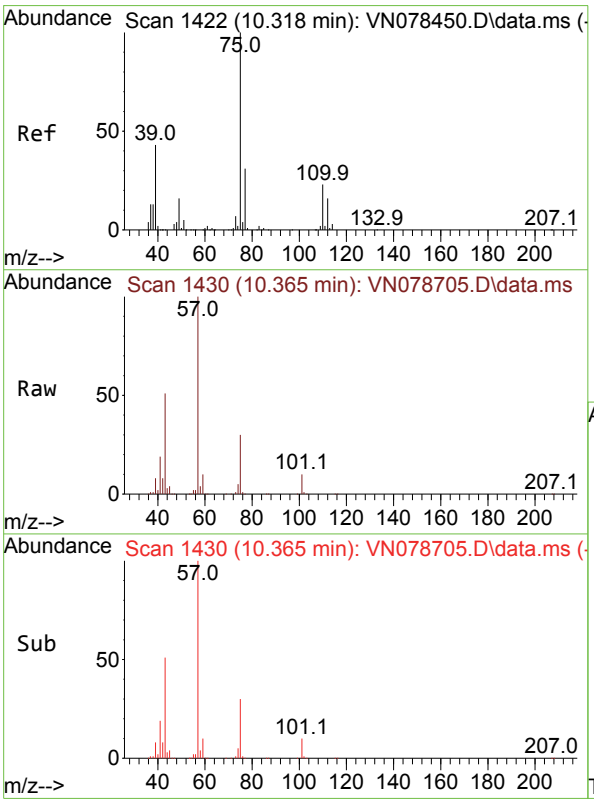
#51
4-Methyl-2-Pentanone
Concen: 40.487 ug/l
RT: 10.453 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 43 Resp: 431383

Ion	Ratio	Lower	Upper
43	100		
58	39.5	36.6	54.8

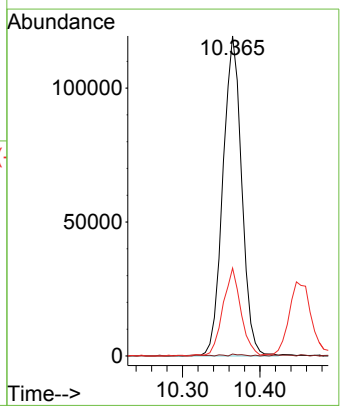


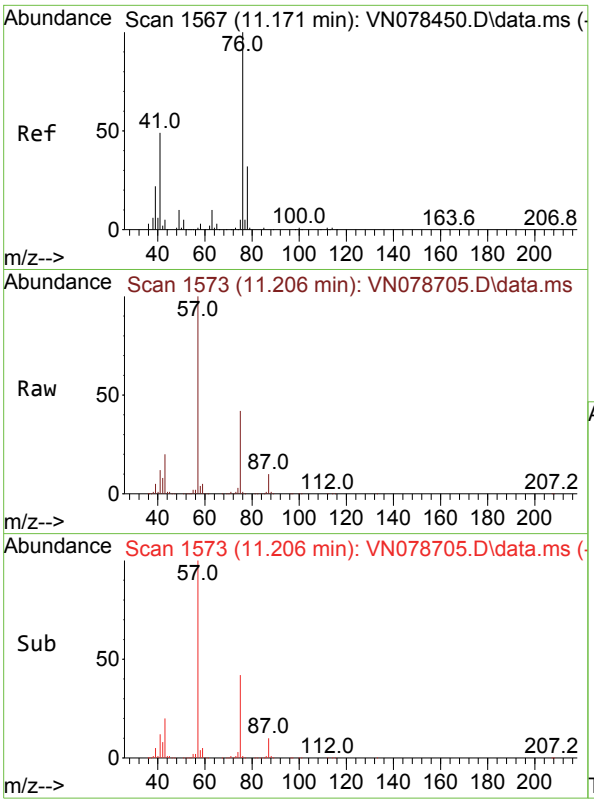


#54
cis-1,3-Dichloropropene
Concen: 13.373 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 75 Resp: 201787

Ion	Ratio	Lower	Upper
75	100		
77	0.4	26.1	39.1#
39	27.3	31.6	47.4#



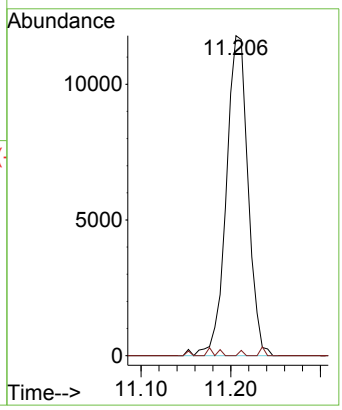


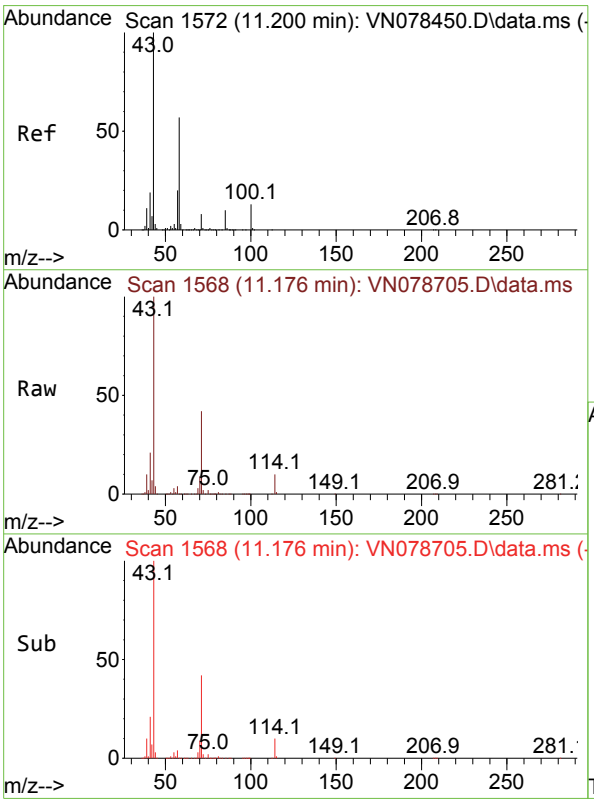
#57
1,3-Dichloropropane
Concen: 1.235 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.035 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 76 Resp: 19820

Ion	Ratio	Lower	Upper
76	100		
78	0.3	26.1	39.1#

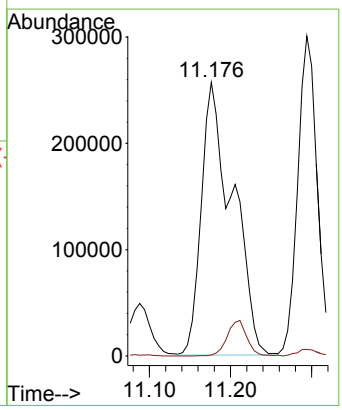


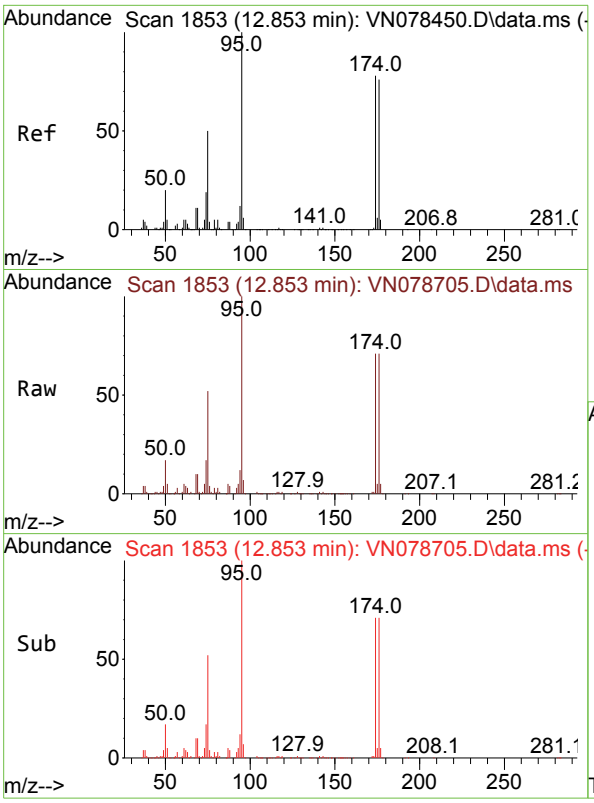


#59
2-Hexanone
Concen: 90.812 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 43 Resp: 687677

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.7	95.1#



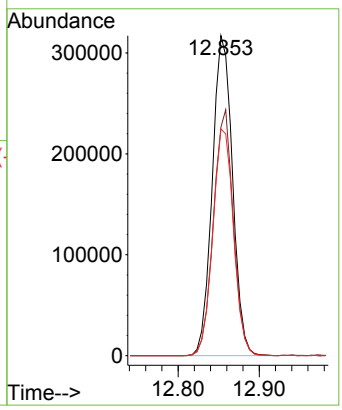


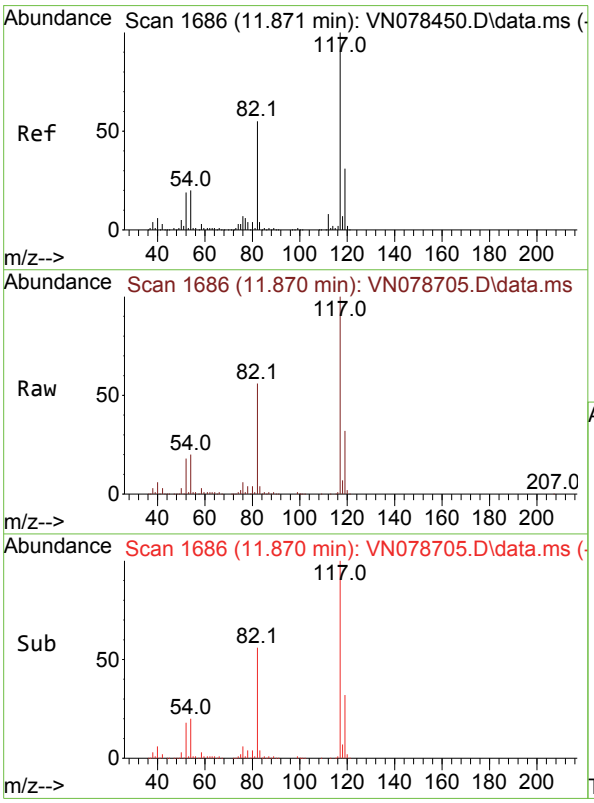
#62
4-Bromofluorobenzene
Concen: 52.295 ug/l
RT: 12.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 95 Resp: 550047

Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	143.8
176	72.3	0.0	135.8

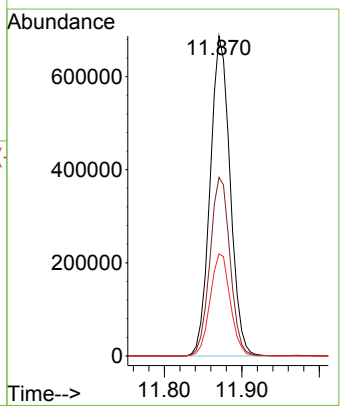


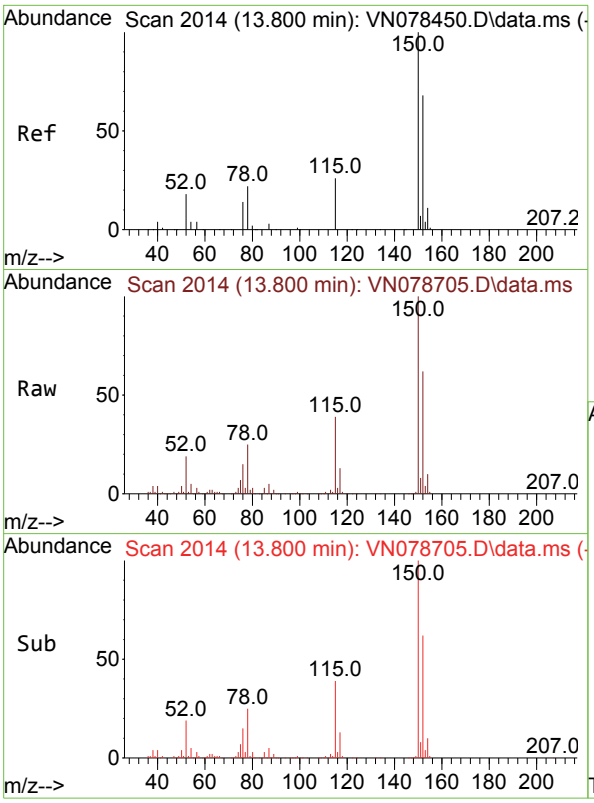


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion:117 Resp: 1228539

Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.0	66.0
119	31.9	25.6	38.4



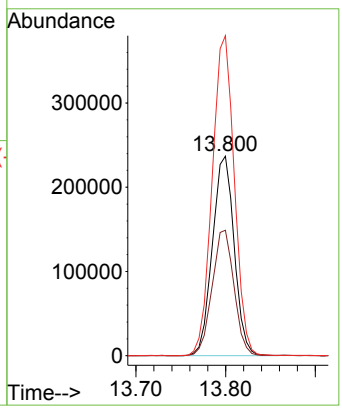


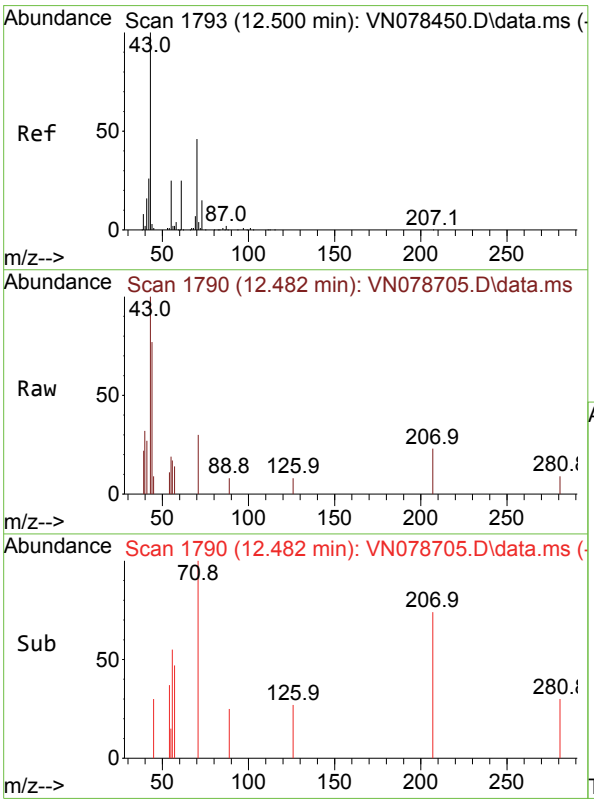
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion:152 Resp: 400256

Ion	Ratio	Lower	Upper
152	100		
115	63.1	32.3	96.8
150	162.3	0.0	355.8

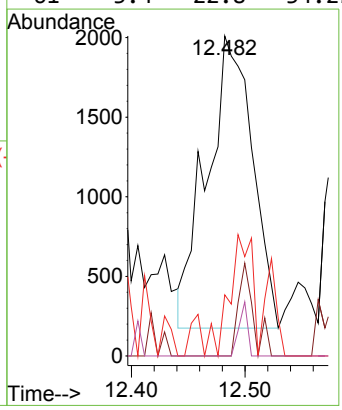


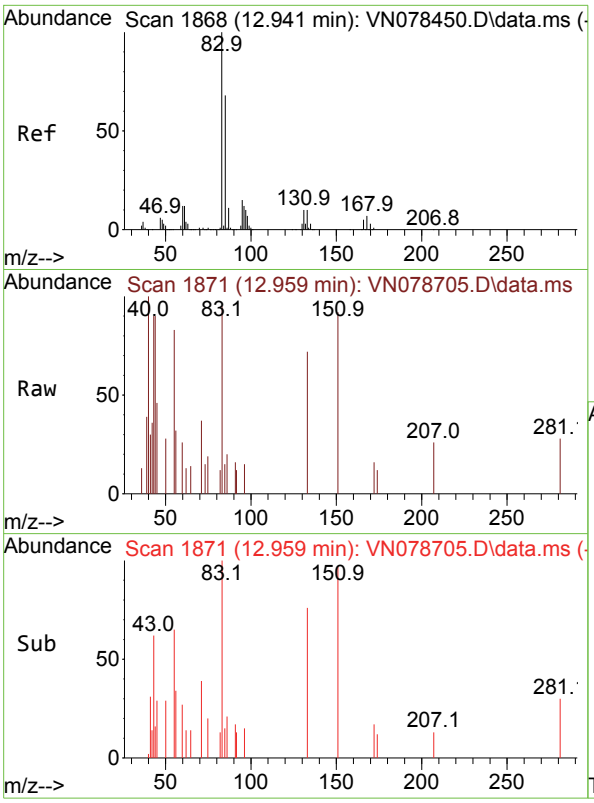


#74
N-amyl acetate
Concen: 0.395 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.018 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 43 Resp: 5121

Ion	Ratio	Lower	Upper
43	100		
70	10.3	43.4	65.2#
55	21.0	21.4	32.0#
61	3.4	22.8	34.2#



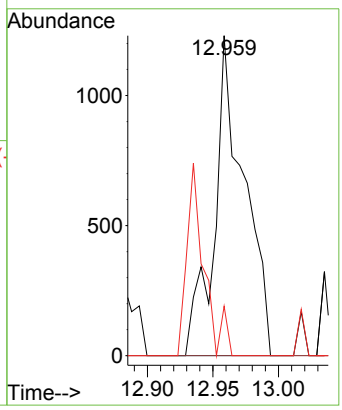


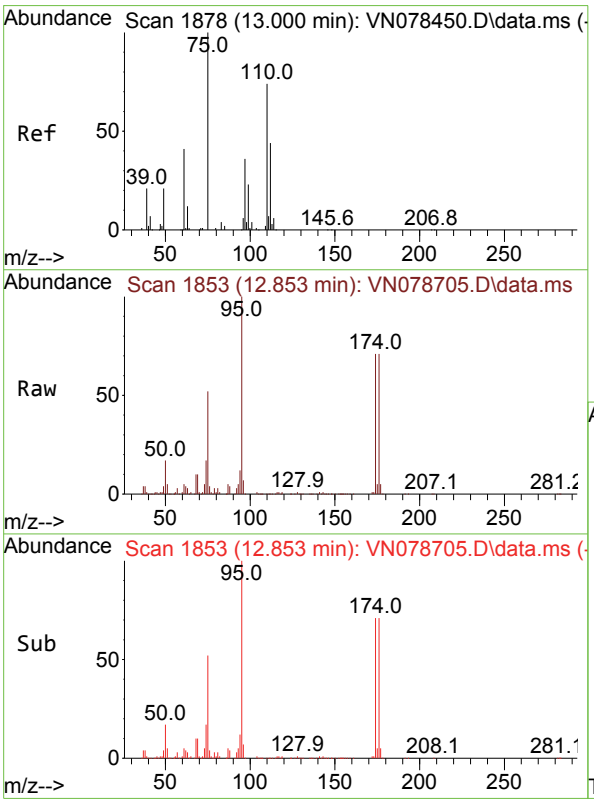
#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.959 min Scan# 1
Delta R.T. 0.018 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion: 83 Resp: 1940

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	31.9	95.7#

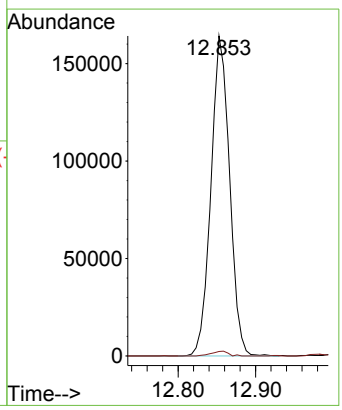


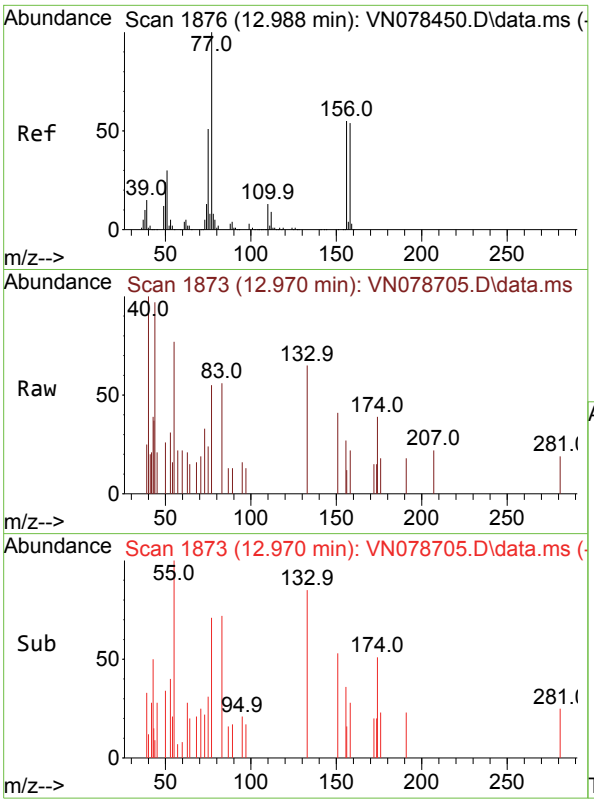


#76
1,2,3-Trichloropropane
Concen: 28.464 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 75 Resp: 275377

Ion	Ratio	Lower	Upper
75	100		
77	1.3	84.5	253.5#



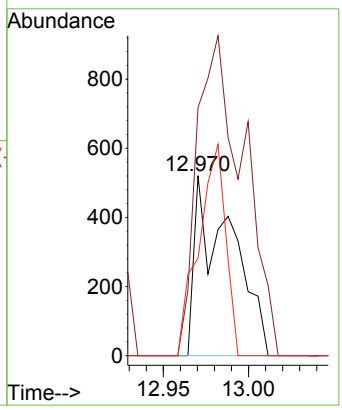


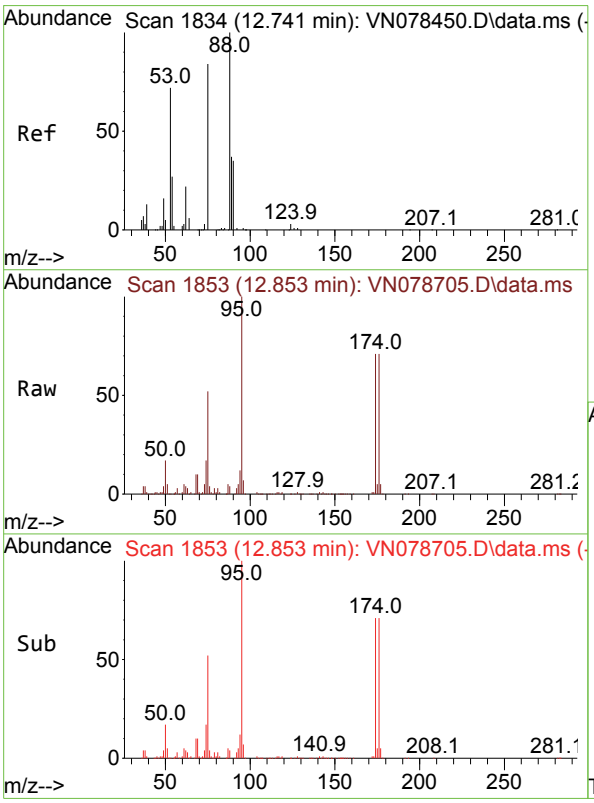
#77
Bromobenzene
Concen: Below Cal
RT: 12.970 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion:156 Resp: 781

Ion	Ratio	Lower	Upper
156	100		
77	224.6	107.7	323.3
158	86.0	48.4	145.3

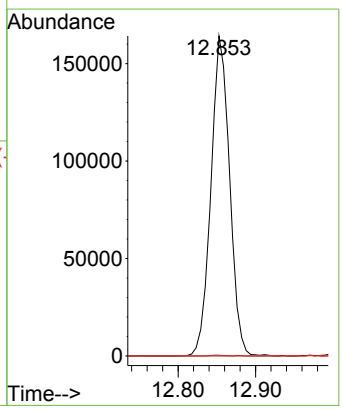


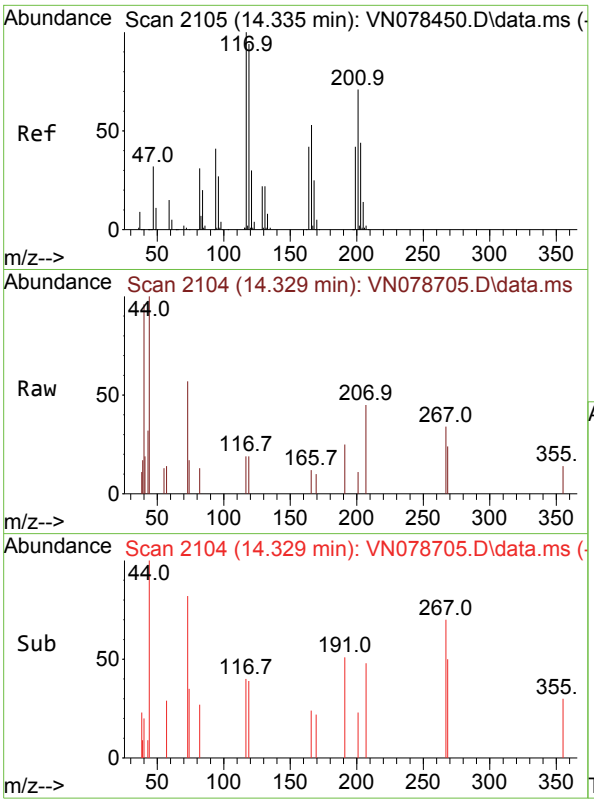


#81
trans-1,4-Dichloro-2-butene
Concen: 74.797 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 75 Resp: 275377

Ion	Ratio	Lower	Upper
75	100		
53	0.2	67.4	101.2#
89	0.0	38.8	58.2#



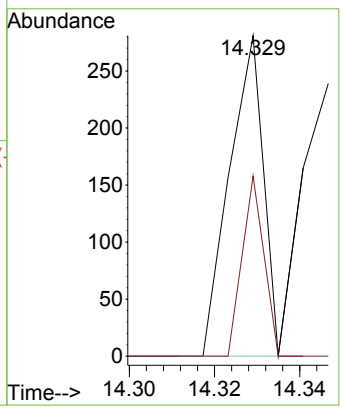


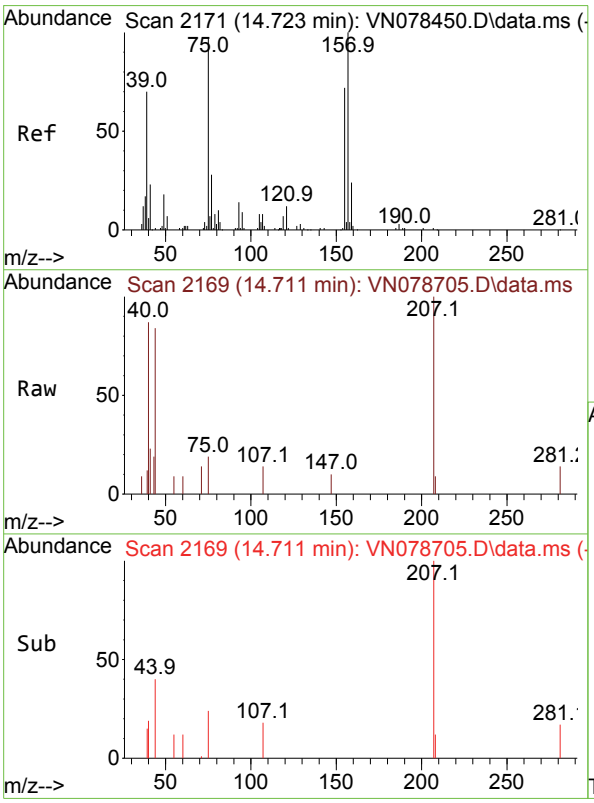
#90
Hexachloroethane
Concen: Below Cal
RT: 14.329 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion:117 Resp: 155

Ion	Ratio	Lower	Upper
117	100		
201	36.1	29.3	88.0

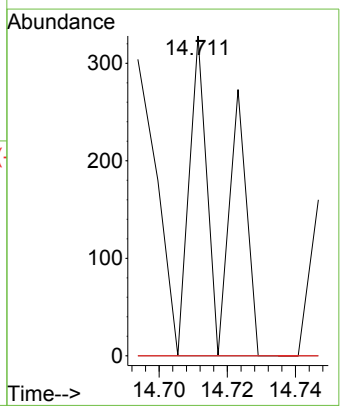


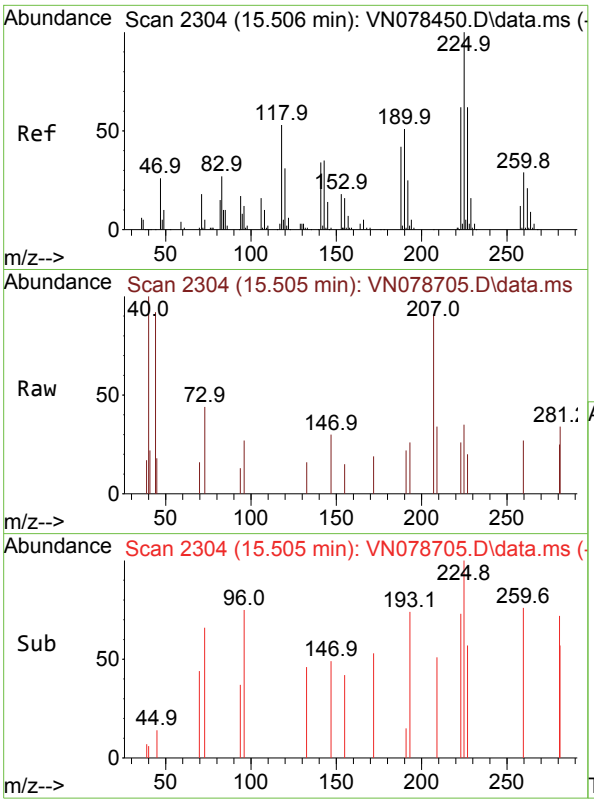


#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.711 min Scan# 2169
Delta R.T. -0.012 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion: 75 Resp: 212

Ion	Ratio	Lower	Upper
75	100		
155	0.0	39.1	117.2#
157	0.0	50.3	150.9#



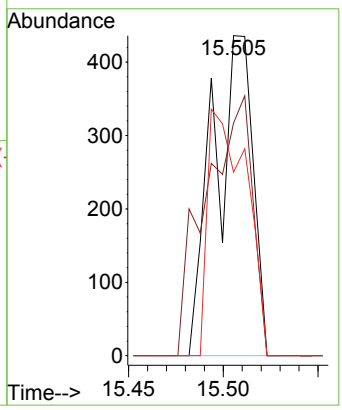


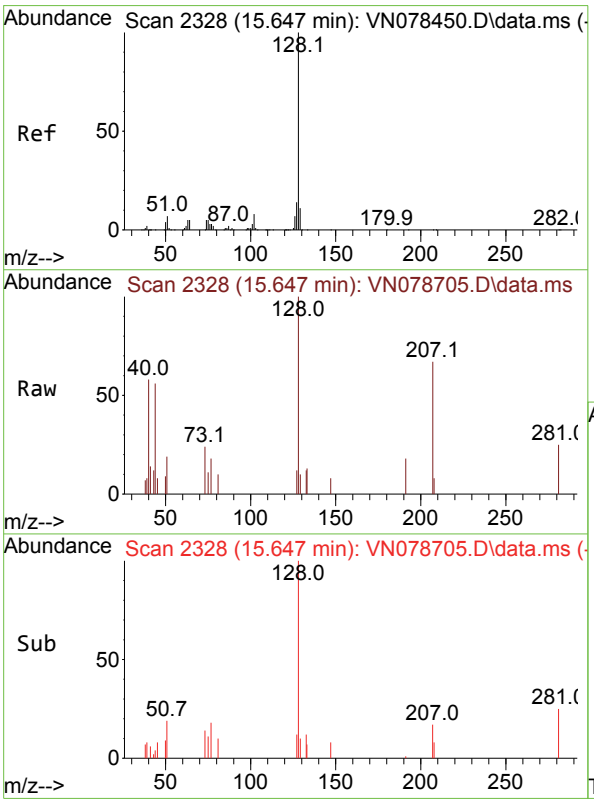
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.505 min Scan# 2
Delta R.T. -0.001 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Instrument :
MSVOA_N
ClientSampleId :
HANOVER-ST-2

Tgt Ion:225 Resp: 624

Ion	Ratio	Lower	Upper
225	100		
223	96.6	31.3	93.8#
227	76.3	31.9	95.9





#95
Naphthalene
Concen: 0.261 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078705.D
Acq: 31 Jul 2023 15:11

Tgt Ion:128 Resp: 4084

Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.0	15.0#
129	10.3	8.7	13.1