Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
Data File : VN078959.D
Acq On : 18 Aug 2023 22:01
Operator : JC\MD
Sample : 04071-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 18 23:51:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	205768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	397929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	383685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	141157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	159049	49.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.340%			
35) Dibromofluoromethane	8.171	113	137594	51.367	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.740%			
50) Toluene-d8	10.571	98	495548	49.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.640%			
62) 4-Bromofluorobenzene	12.853	95	159145	48.953	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.900%			
Target Compounds						Qvalue
6) Chloroethane	3.112	64	586	0.240	ug/l #	43
11) Tert butyl alcohol	5.553	59	941	1.751	ug/l #	72
13) Acrolein	4.183	56	204	7.400	ug/l #	56
16) Acetone	4.436	43	42392	32.087	ug/l	93
18) Methyl Acetate	5.036	43	6743	1.208	ug/l #	62
20) Methylene Chloride	5.289	84	20145	7.155	ug/l	92
25) 2-Butanone	7.500	43	13355	6.305	ug/l	90
29) Tetrahydrofuran	7.847	42	485	0.346	ug/l #	37
31) Cyclohexane	8.230	56	5744	Below Cal	#	52
36) 1,1-Dichloropropene	8.230	75	16712	4.148	ug/l #	48
37) Ethyl Acetate	7.559	43	1438	0.319	ug/l #	73
38) Carbon Tetrachloride	8.230	117	21761	5.390	ug/l #	16
40) Benzene	8.612	78	117272	9.847	ug/l	98
42) 1,2-Dichloroethane	8.606	62	1557	0.350	ug/l	95
43) Isopropyl Acetate	8.694	43	248592	31.197	ug/l #	71
48) Methyl methacrylate	9.671	41	6060	1.678	ug/l #	32
49) 1,4-Dioxane	9.735	88	311	5.057	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	48645	10.293	ug/l #	81
52) Toluene	10.635	92	89659	12.261	ug/l	100
53) t-1,3-Dichloropropene	10.741	75	1054	0.229	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	52632	10.493	ug/l #	72
55) 1,1,2-Trichloroethane	10.894	97	649	0.221	ug/l #	16
56) Ethyl methacrylate	10.982	69	1825	0.402	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6588	1.256	ug/l #	44
59) 2-Hexanone	11.176	43	154258	45.064	ug/l #	19
67) Ethyl Benzene	11.965	91	12339	0.831	ug/l	96
68) m/p-Xylenes	12.070	106	21155	3.810	ug/l	93
69) o-Xylene	12.406	106	15251	2.823	ug/l	95
70) Styrene	12.406	104	10859	1.206	ug/l #	87
71) Bromoform	12.853	173	844	0.376	ug/l #	1
74) N-amyl acetate	12.459	43	2272	0.382	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	87310	25.670	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	2726	0.292	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.853	75	87310	65.577	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	10178	1.102	ug/l	95
85) sec-Butylbenzene	13.482	105	10178	0.944	ug/l #	57

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
Data File : VN078959.D
Acq On : 18 Aug 2023 22:01
Operator : JC\MD
Sample : 04071-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 18 23:51:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 1,2-Dibromo-3-Chloropr...	14.582	75	94	Below Cal		#	4
95) Naphthalene	15.647	128	107600	18.264	ug/l		98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
Data File : VN078959.D
Acq On : 18 Aug 2023 22:01
Operator : JC\MD
Sample : 04071-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Title : SW846 8260
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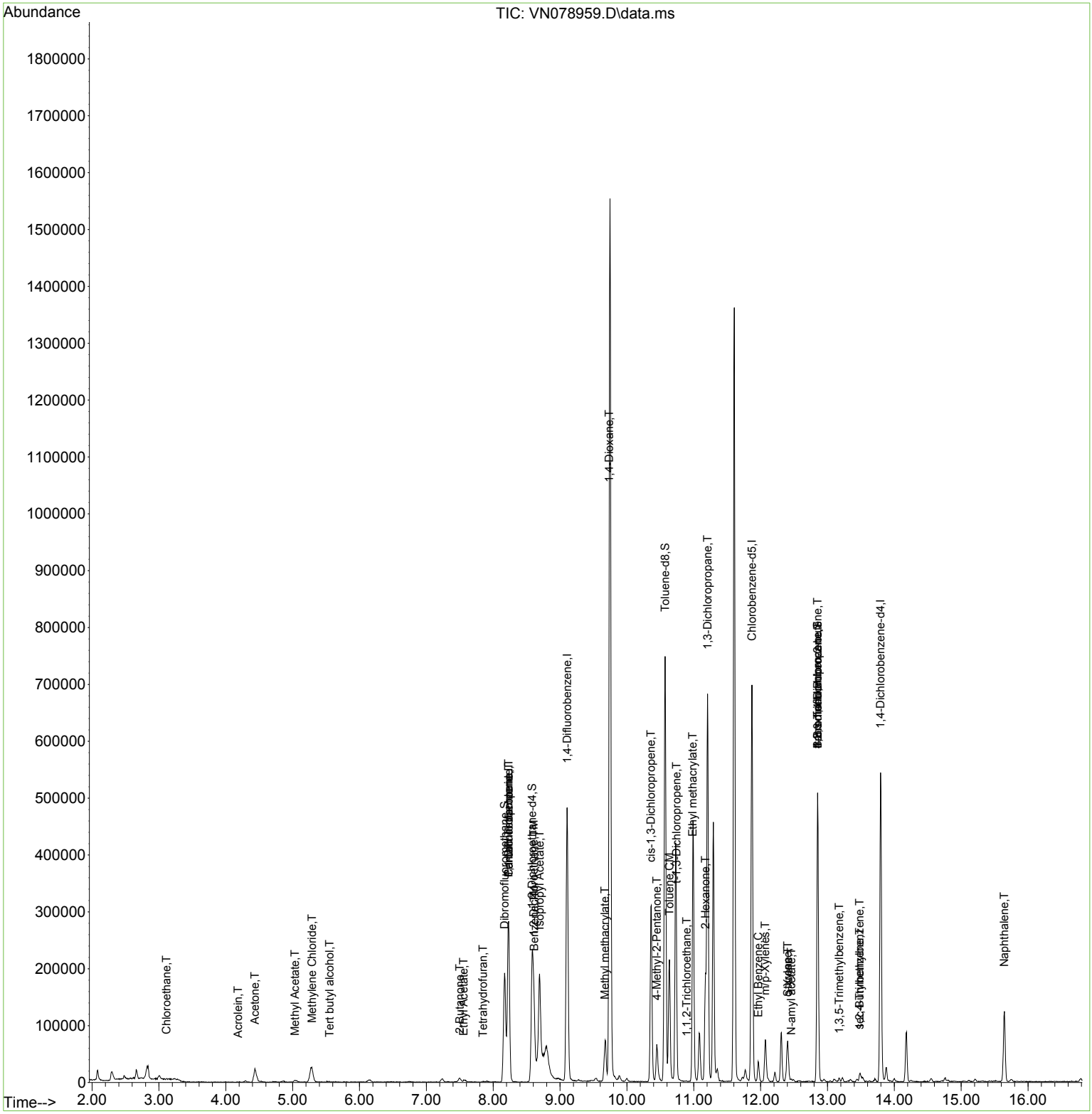
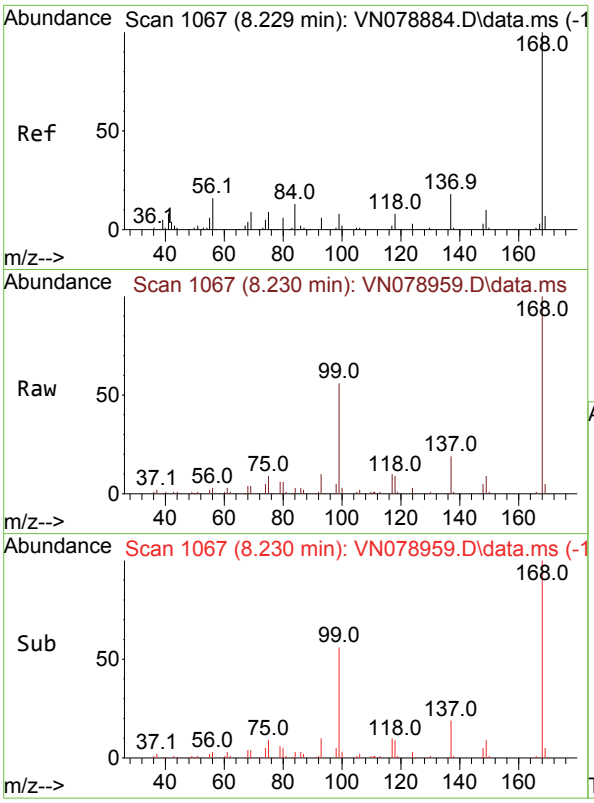
Response via : Initial Calibration



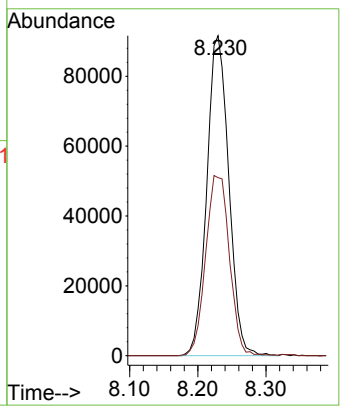


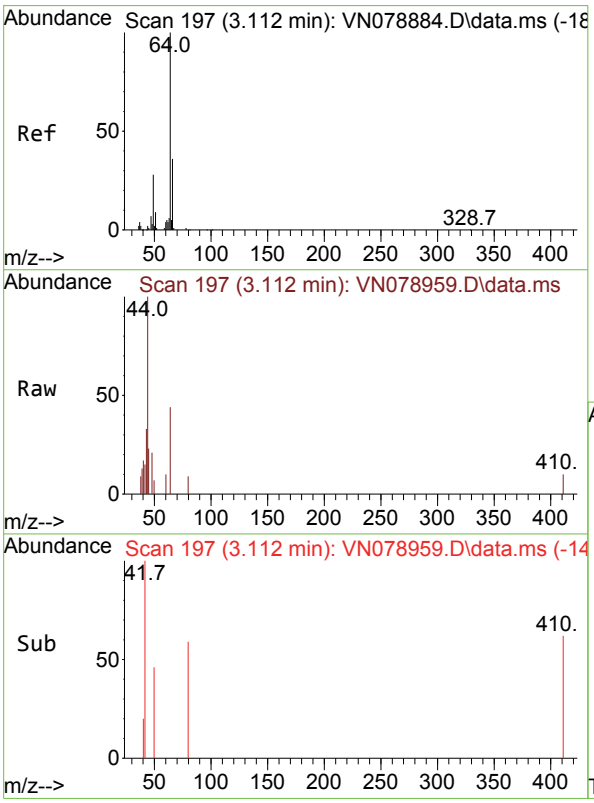
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 205768

Ion	Ratio	Lower	Upper
168	100		
99	55.7	53.0	79.6

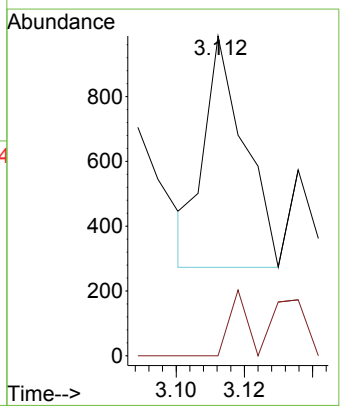


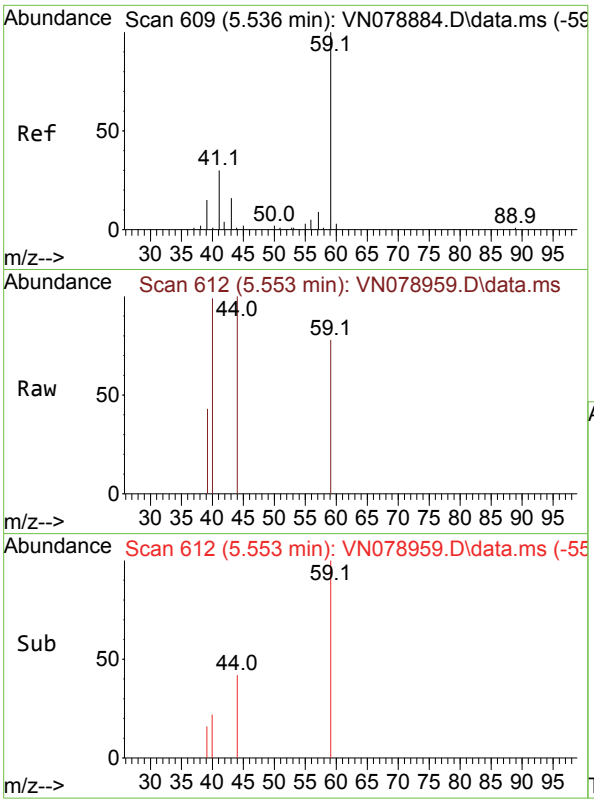


#6
Chloroethane
Concen: 0.240 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 64 Resp: 586

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.4	38.2#



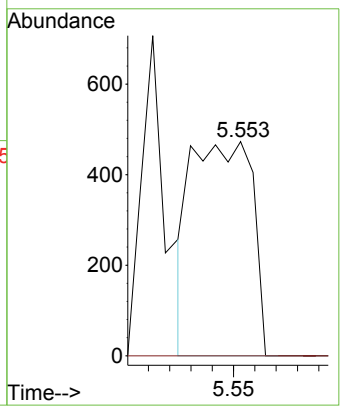


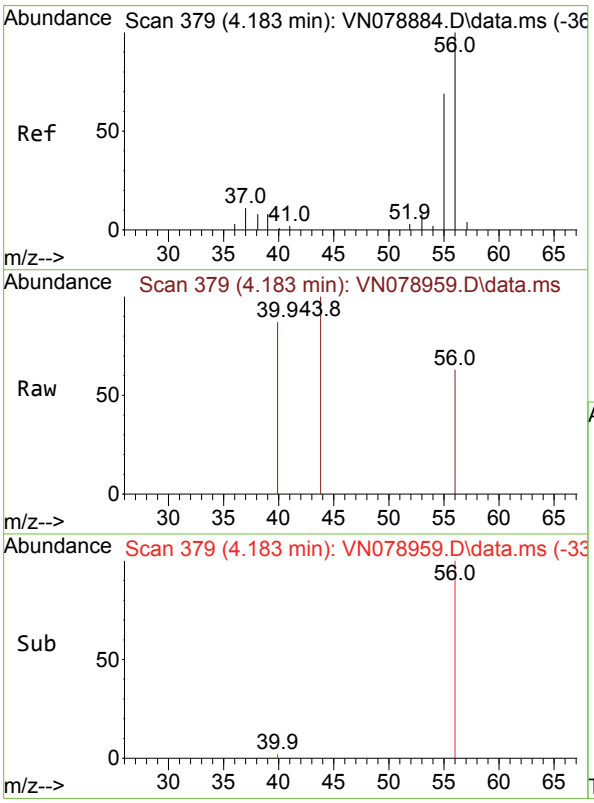
#11
Tert butyl alcohol
Concen: 1.751 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.011 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 941

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

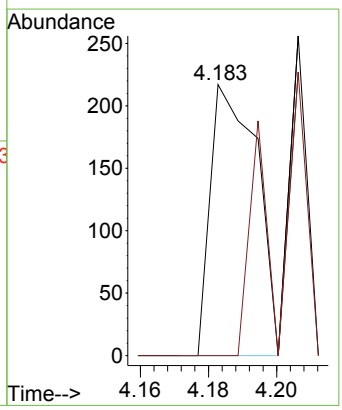


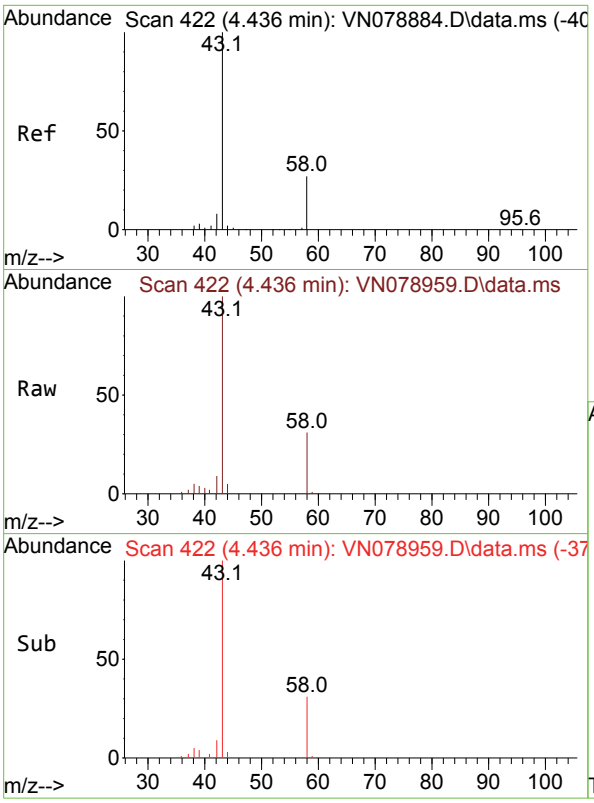


#13
Acrolein
Concen: 7.400 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.012 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 56 Resp: 204

Ion	Ratio	Lower	Upper
56	100		
55	32.4	54.5	81.7#



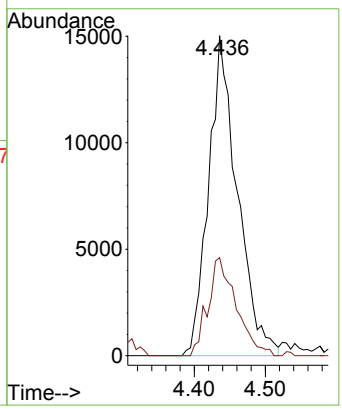


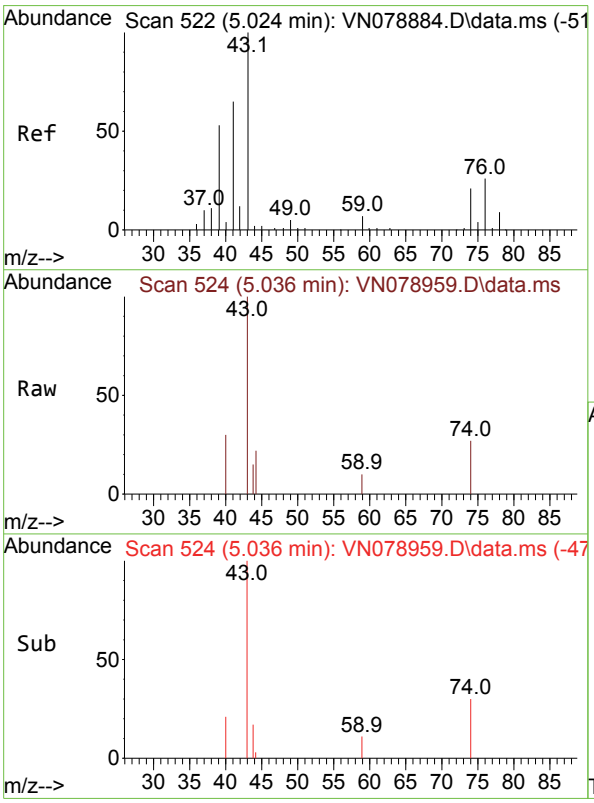
#16
Acetone
Concen: 32.087 ug/l
RT: 4.436 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 42392

Ion	Ratio	Lower	Upper
43	100		
58	30.7	28.0	42.0

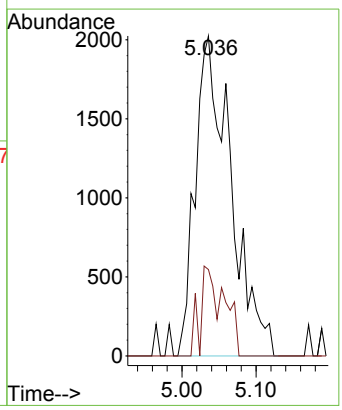


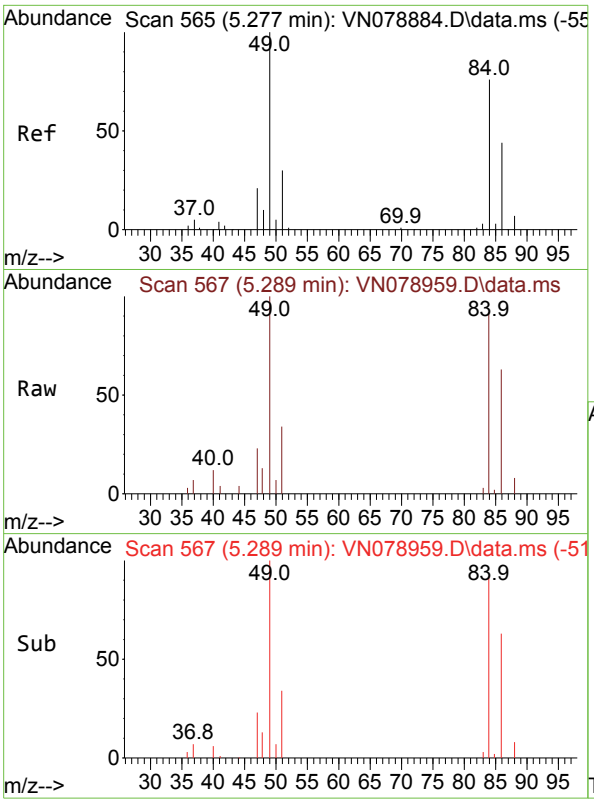


#18
Methyl Acetate
Concen: 1.208 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 43 Resp: 6743

Ion	Ratio	Lower	Upper
43	100		
74	11.4	26.2	39.4#



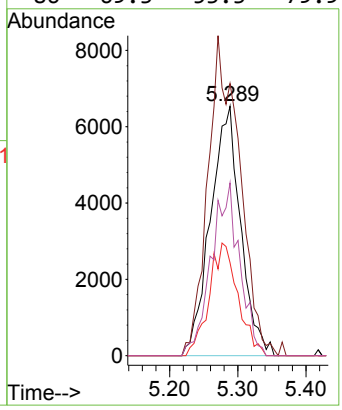


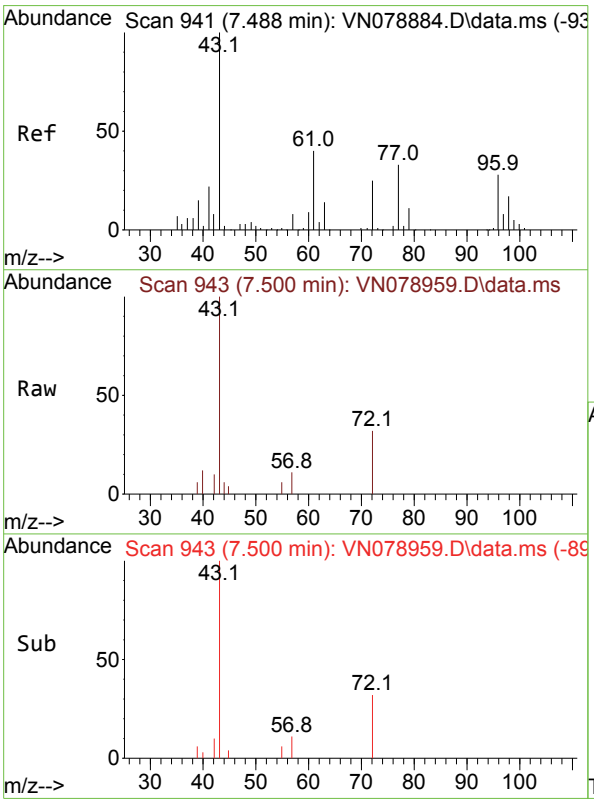
#20
Methylene Chloride
Concen: 7.155 ug/l
RT: 5.289 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 20145

Ion	Ratio	Lower	Upper
84	100		
49	109.1	79.7	119.5
51	37.3	25.2	37.8
86	69.3	53.3	79.9

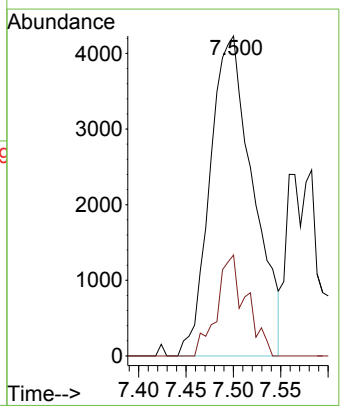


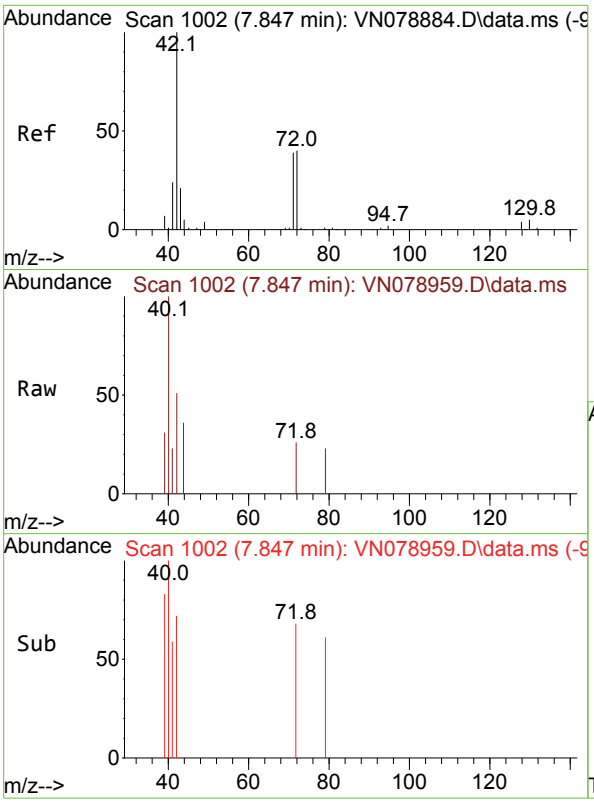


#25
2-Butanone
Concen: 6.305 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 43 Resp: 13355

Ion	Ratio	Lower	Upper
43	100		
72	31.6	30.2	45.2



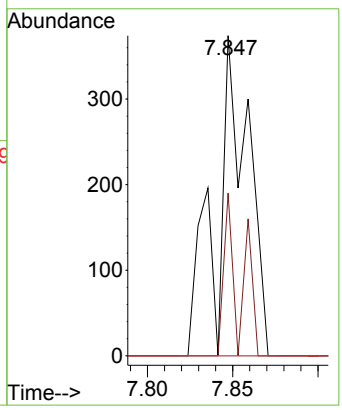


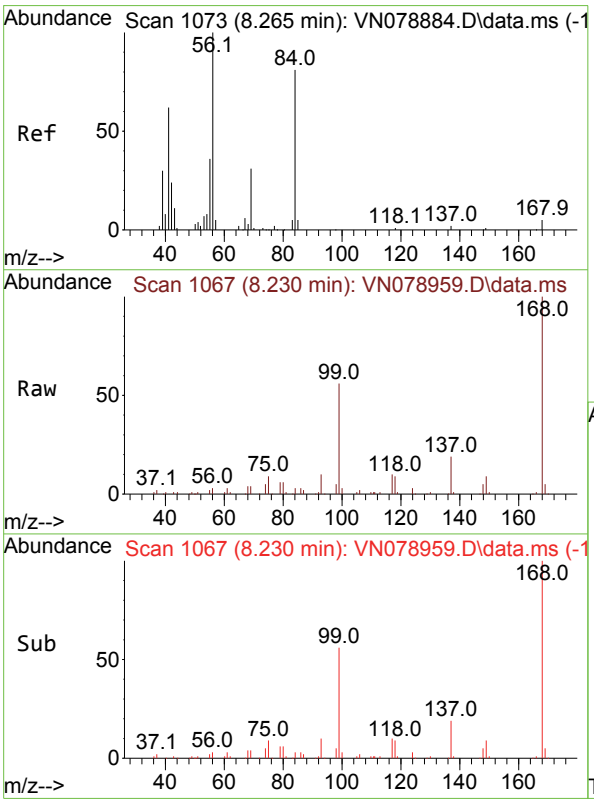
#29
Tetrahydrofuran
Concen: 0.346 ug/l
RT: 7.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 42 Resp: 485

Ion	Ratio	Lower	Upper
42	100		
72	25.4	49.8	74.6#
71	0.0	47.4	71.2#

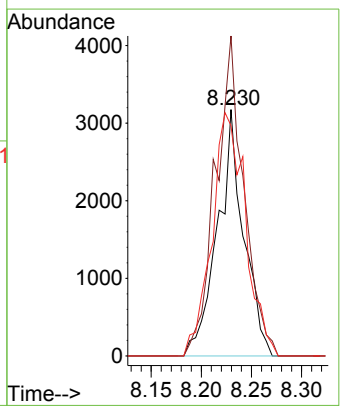


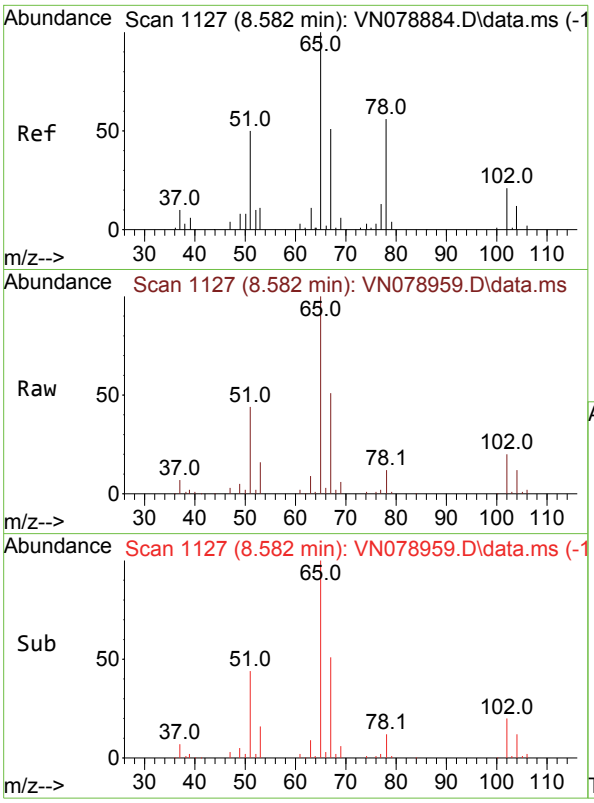


#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 56 Resp: 5744

Ion	Ratio	Lower	Upper
56	100		
69	129.9	26.8	40.2#
84	93.4	81.8	122.6



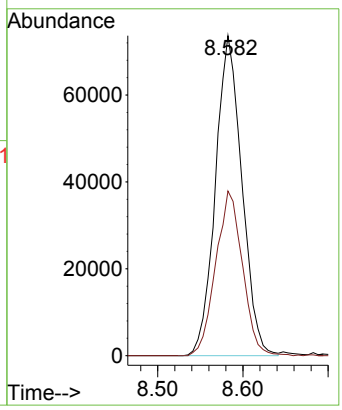


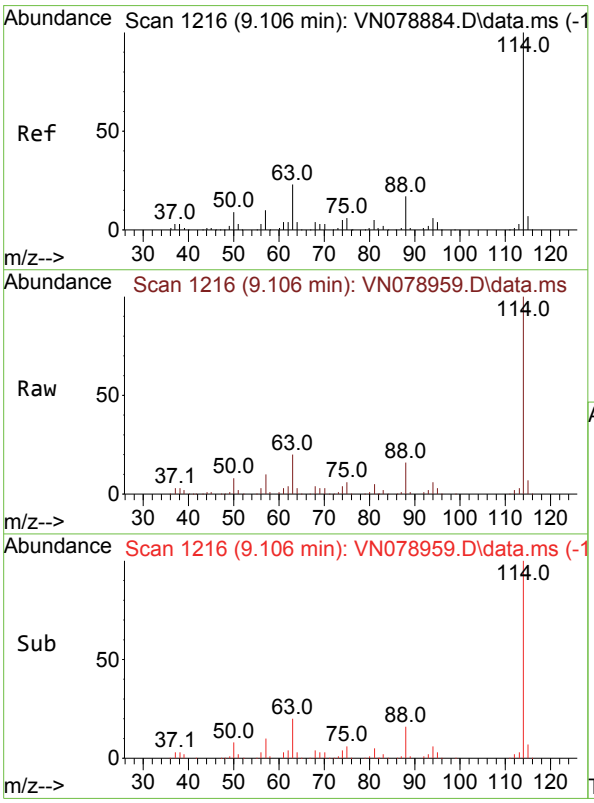
#33
1,2-Dichloroethane-d4
Concen: 49.673 ug/l
RT: 8.582 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 65 Resp: 159049

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.6

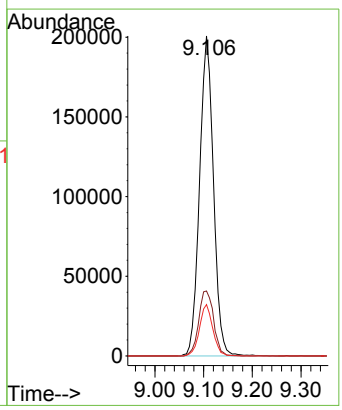


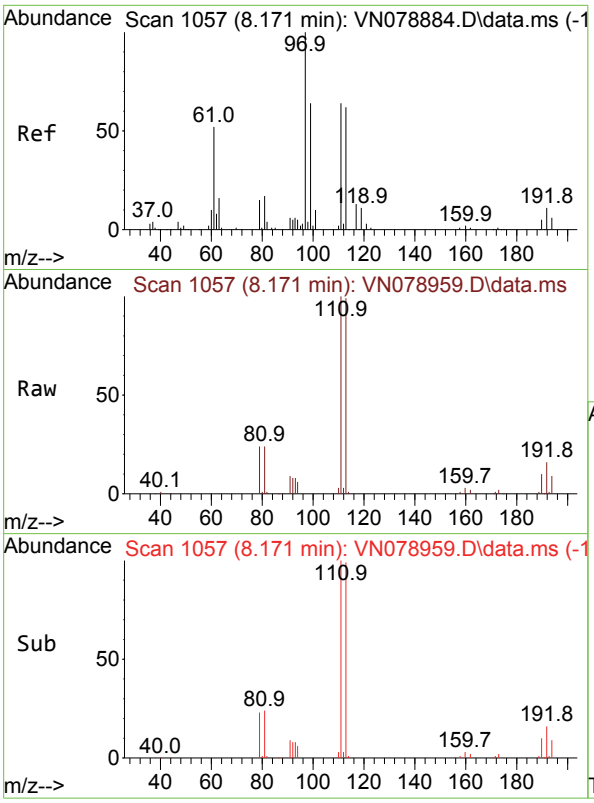


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion:114 Resp: 397929

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	36.4
88	16.0	0.0	30.6



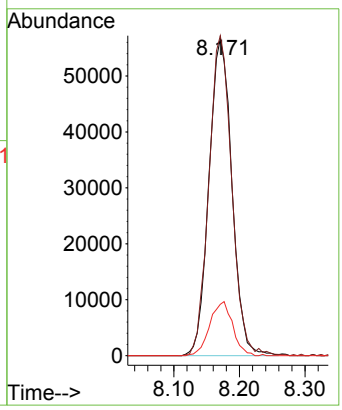


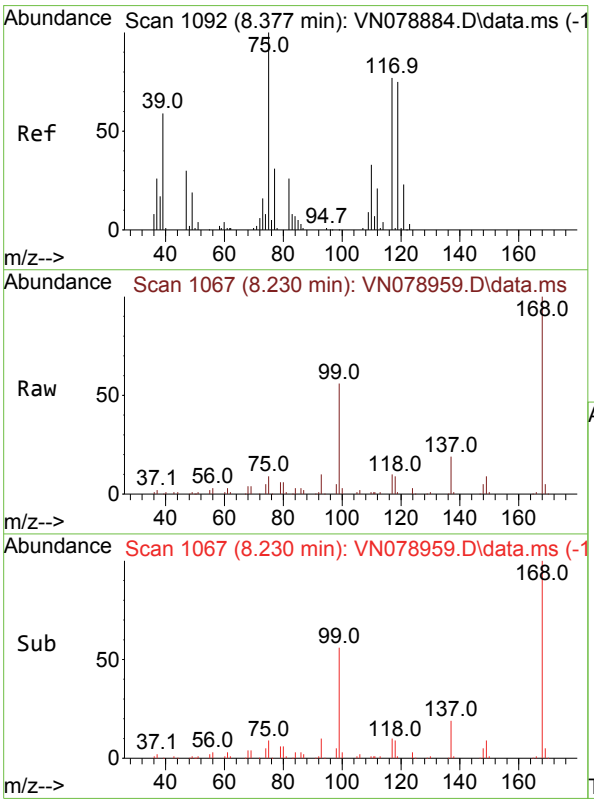
#35
Dibromofluoromethane
Concen: 51.367 ug/l
RT: 8.171 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 137594

Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.6	123.8
192	17.0	12.7	19.1

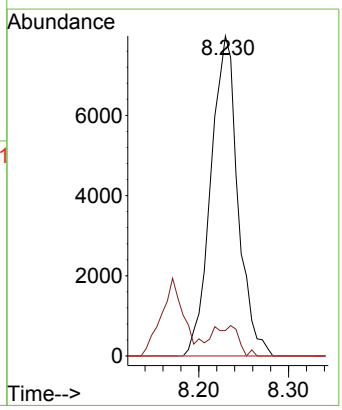


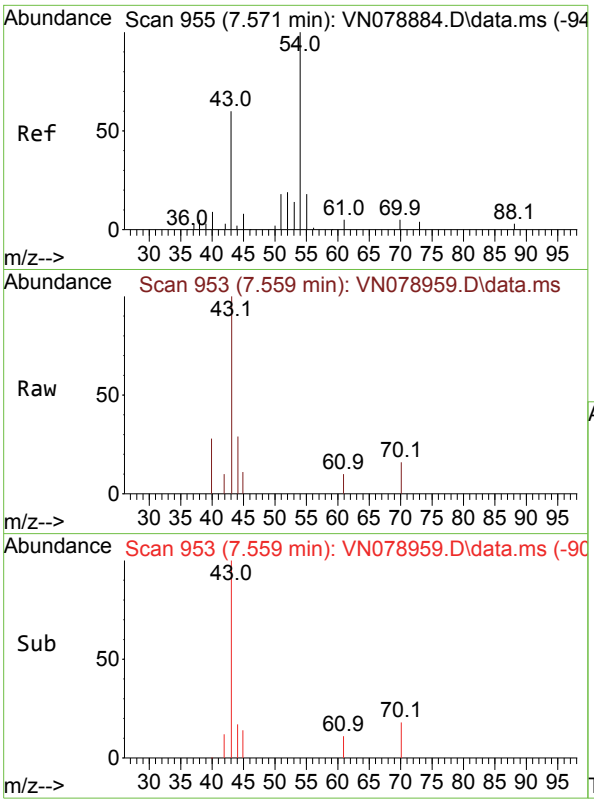


#36
1,1-Dichloropropene
Concen: 4.148 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 75 Resp: 16712

Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.1	57.3#
77	0.0	25.0	37.4#



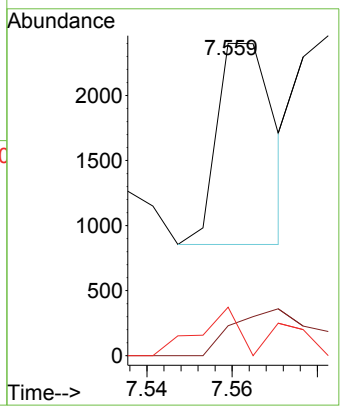


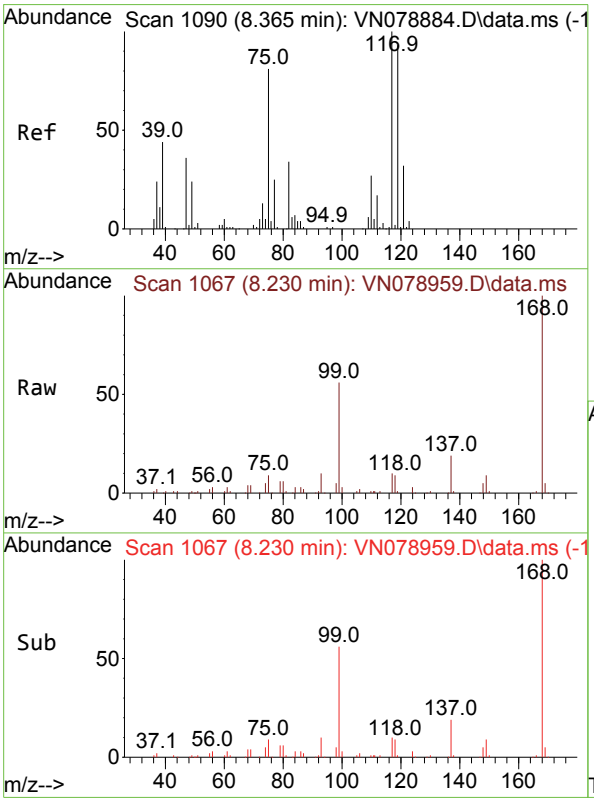
#37
Ethyl Acetate
Concen: 0.319 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.012 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 1438

Ion	Ratio	Lower	Upper
43	100		
61	35.9	13.2	19.8#
70	16.8	11.3	16.9

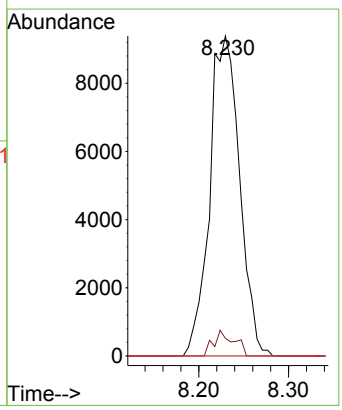


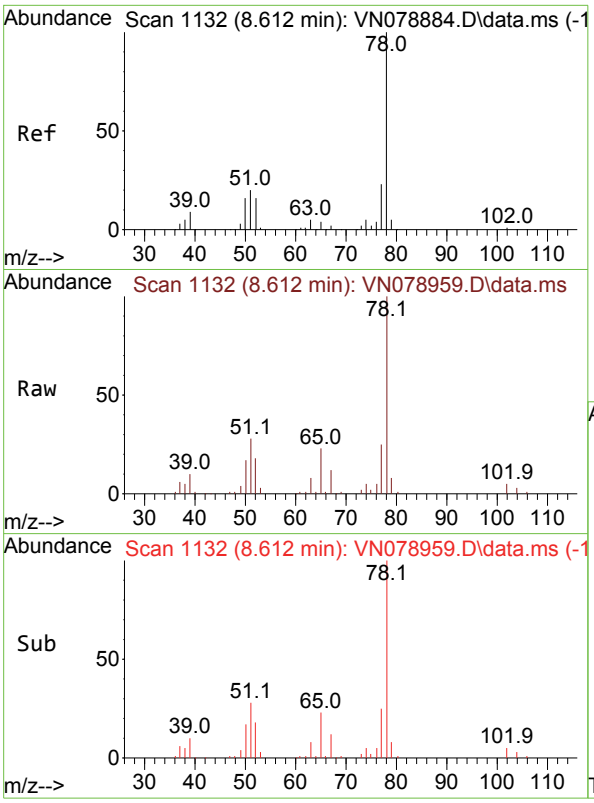


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion:117 Resp: 21761

Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.3	115.9#
121	0.0	23.3	34.9#



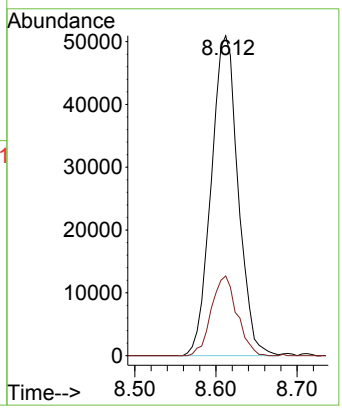


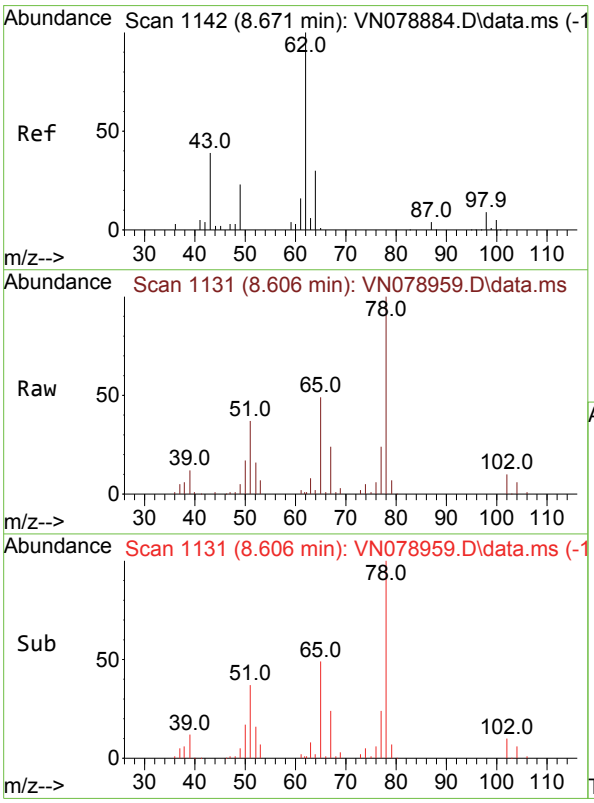
#40
Benzene
Concen: 9.847 ug/l
RT: 8.612 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 78 Resp: 117272

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6

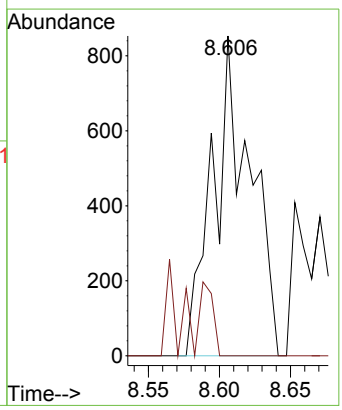


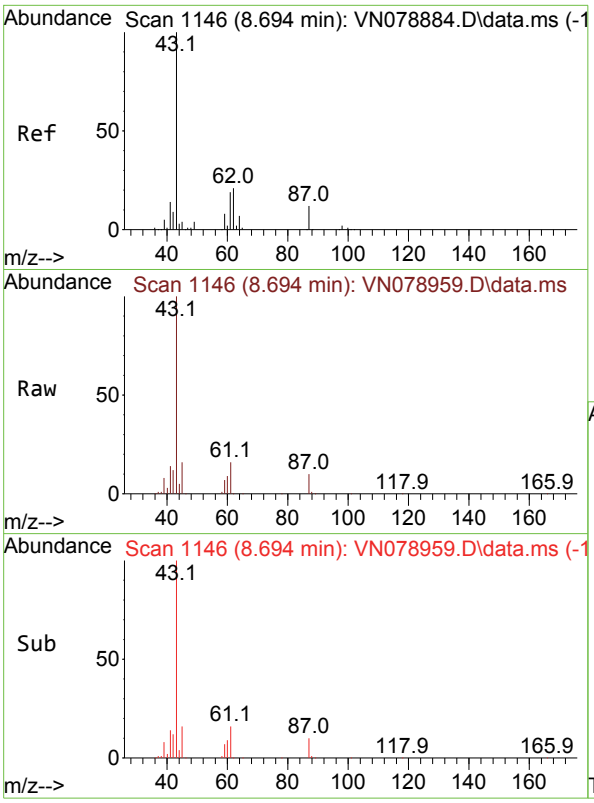


#42
1,2-Dichloroethane
Concen: 0.350 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.071 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 62 Resp: 1557

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	19.8



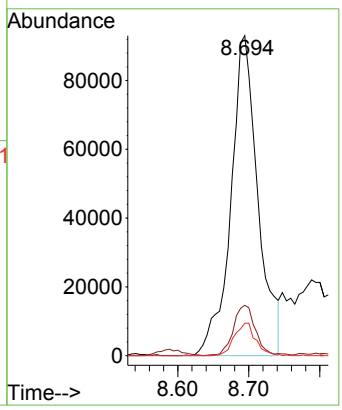


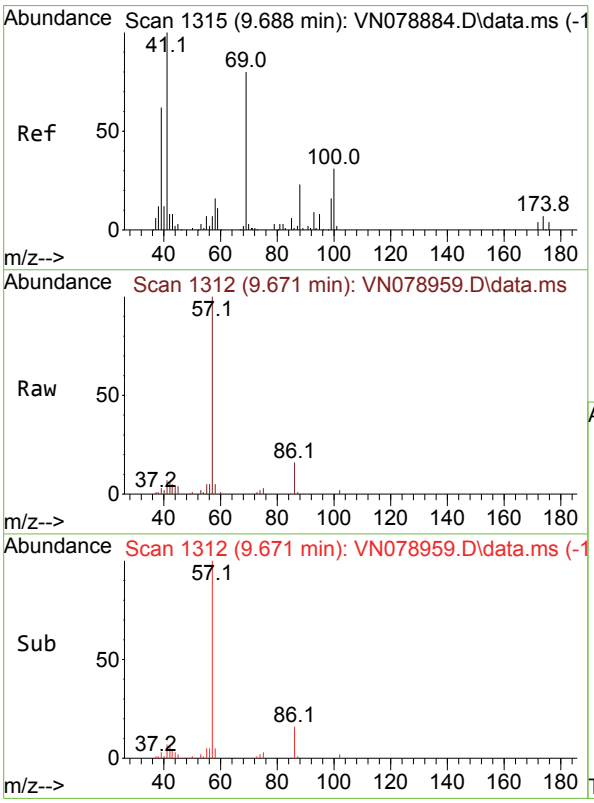
#43
Isopropyl Acetate
Concen: 31.197 ug/l
RT: 8.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 248592

Ion	Ratio	Lower	Upper
43	100		
61	12.9	24.7	37.1#
87	8.0	14.6	21.8#

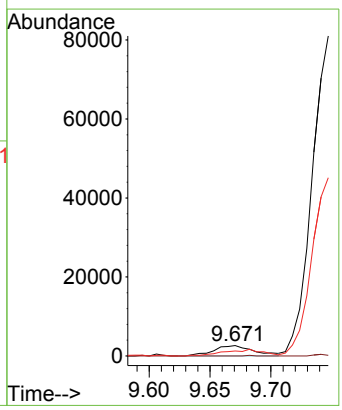


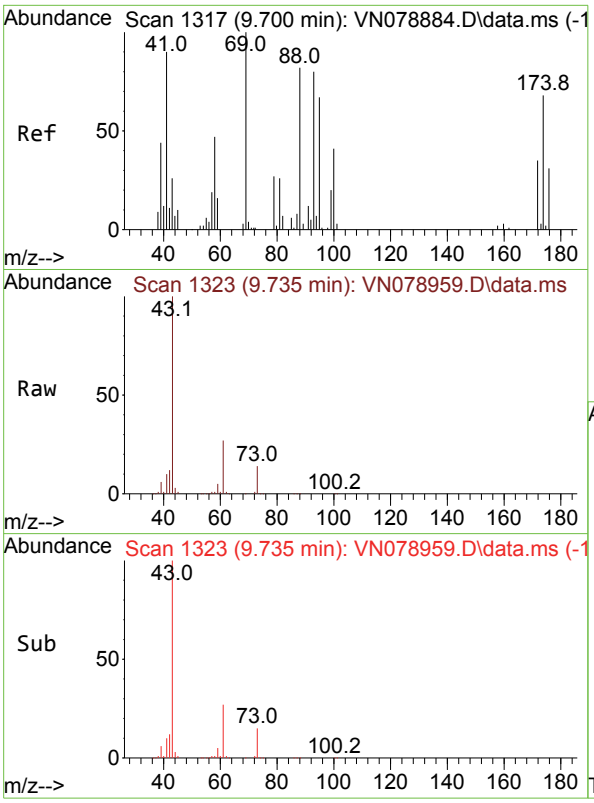


#48
Methyl methacrylate
Concen: 1.678 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.017 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 41 Resp: 6060

Ion	Ratio	Lower	Upper
41	100		
69	1.0	90.4	135.6#
39	61.7	54.6	81.8



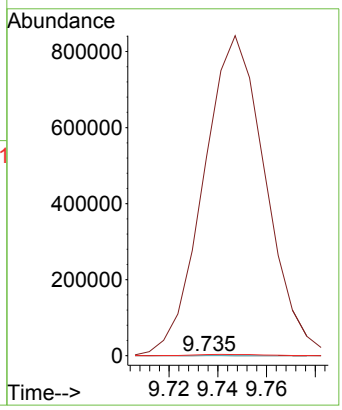


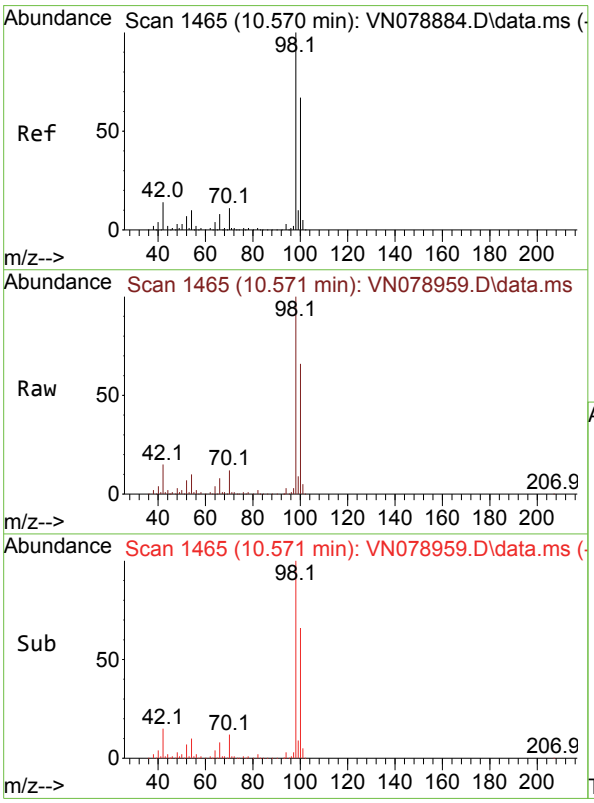
#49
1,4-Dioxane
Concen: 5.057 ug/l
RT: 9.735 min Scan# 1
Delta R.T. 0.035 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 88 Resp: 311

Ion	Ratio	Lower	Upper
88	100		
43	483300.3	17.0	25.6#
58	2088.4	47.0	70.4#

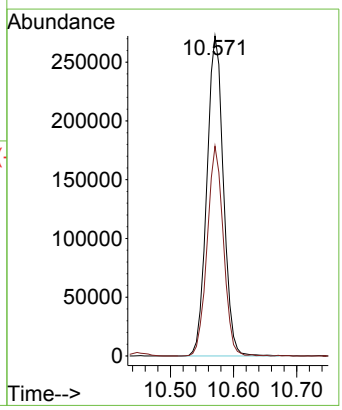


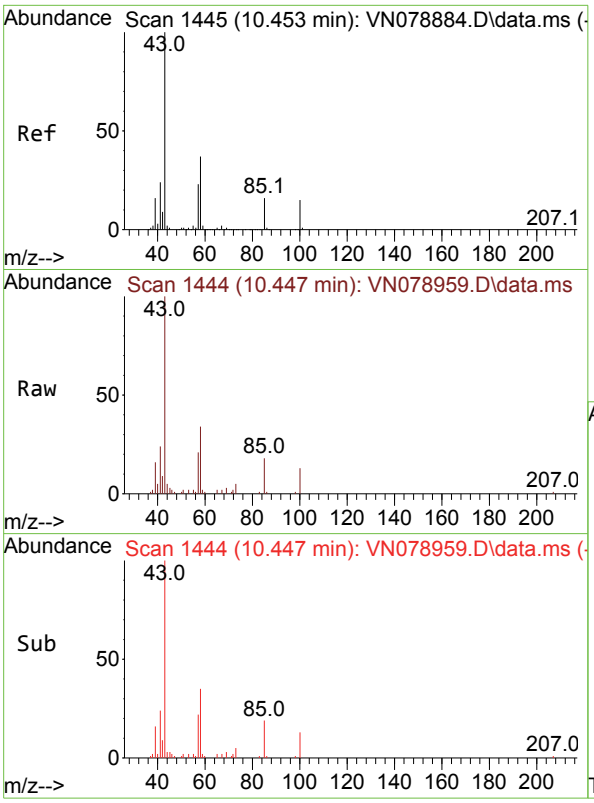


#50
Toluene-d8
Concen: 49.824 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 98 Resp: 495548

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0



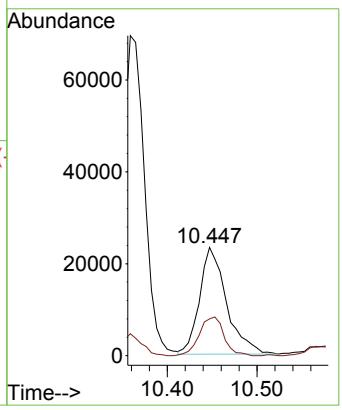


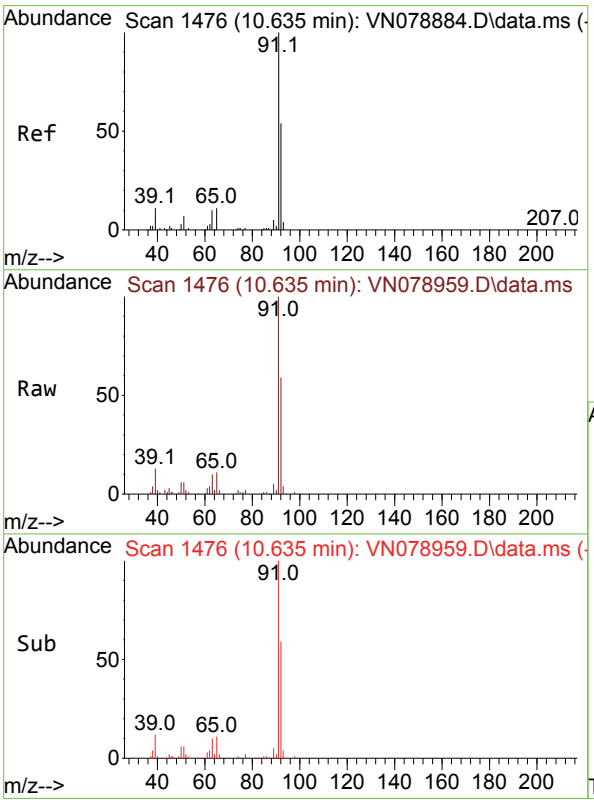
#51
4-Methyl-2-Pentanone
Concen: 10.293 ug/l
RT: 10.447 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 48645

Ion	Ratio	Lower	Upper
43	100		
58	33.0	36.6	54.8#

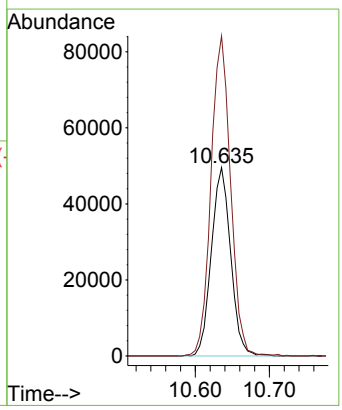


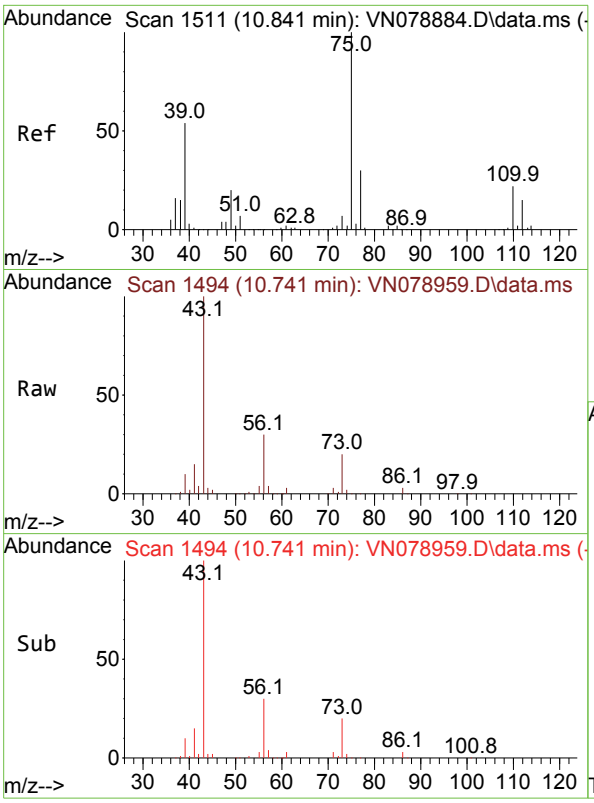


#52
Toluene
Concen: 12.261 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 92 Resp: 89659

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.4	206.0



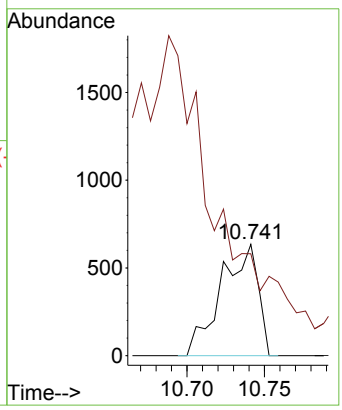


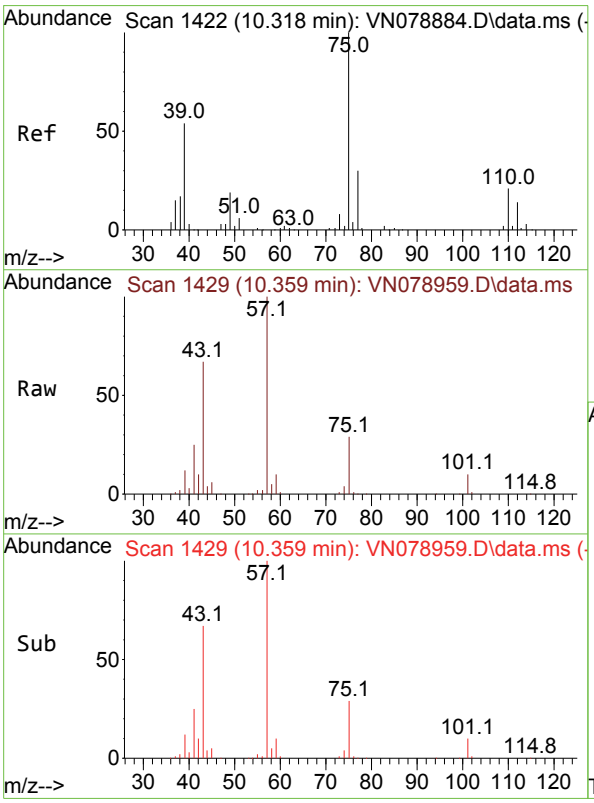
#53
t-1,3-Dichloropropene
Concen: 0.229 ug/l
RT: 10.741 min Scan# 14
Delta R.T. -0.100 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 1054

Ion	Ratio	Lower	Upper
75	100		
77	25.5	25.4	38.0

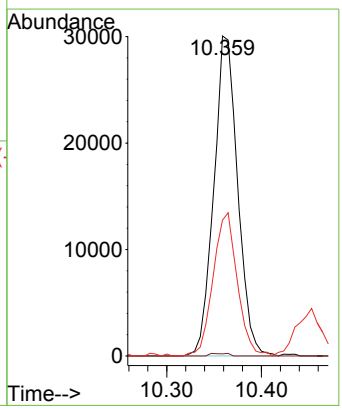


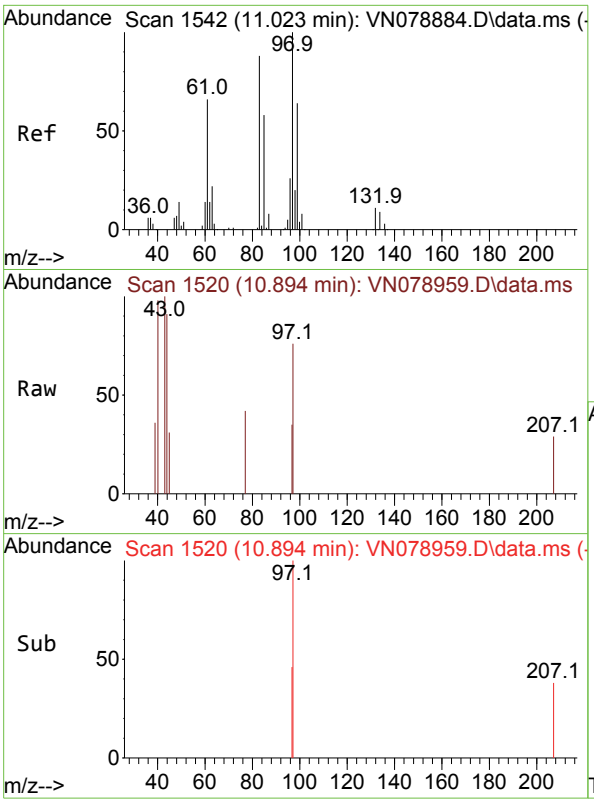


#54
cis-1,3-Dichloropropene
Concen: 10.493 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 75 Resp: 52632

Ion	Ratio	Lower	Upper
75	100		
77	0.7	26.1	39.1#
39	42.5	31.6	47.4



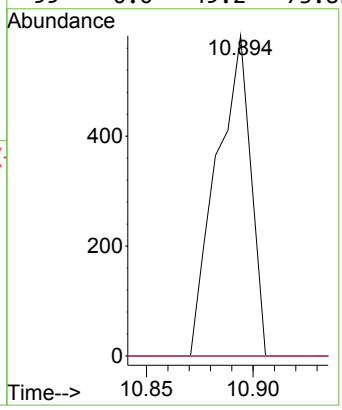


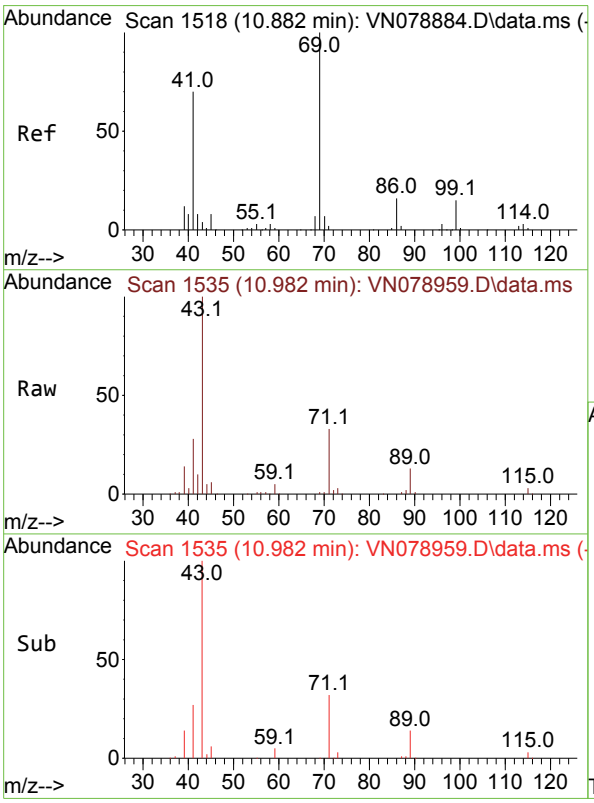
#55
1,1,2-Trichloroethane
Concen: 0.221 ug/l
RT: 10.894 min Scan# 1
Delta R.T. -0.130 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 97 Resp: 649

Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.1	97.7#
85	0.0	43.4	65.2#
99	0.0	49.2	73.8#

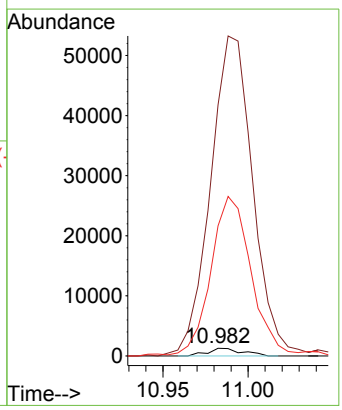


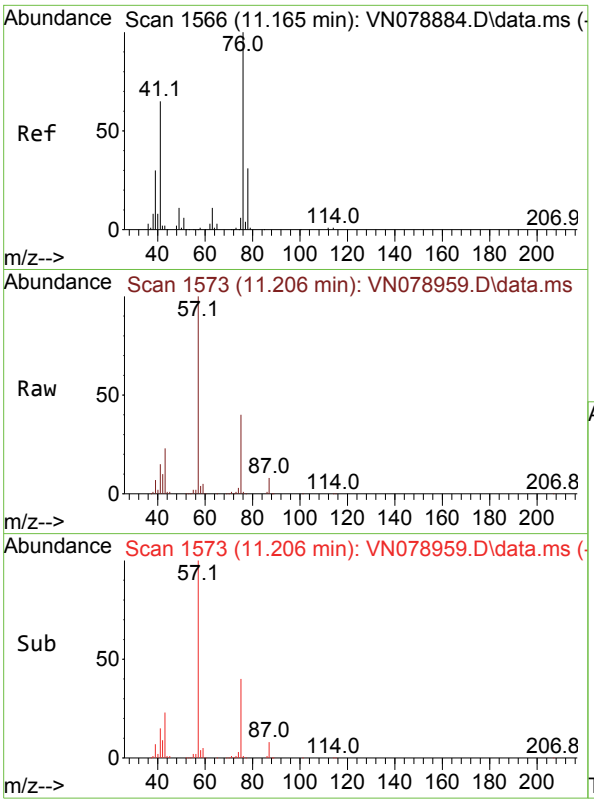


#56
Ethyl methacrylate
Concen: 0.402 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.105 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 69 Resp: 1825

Ion	Ratio	Lower	Upper
69	100		
41	5058.2	39.6	59.4#
39	2431.2	28.6	43.0#



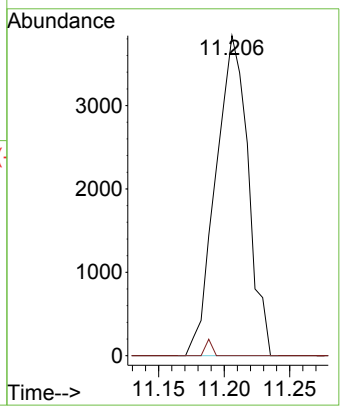


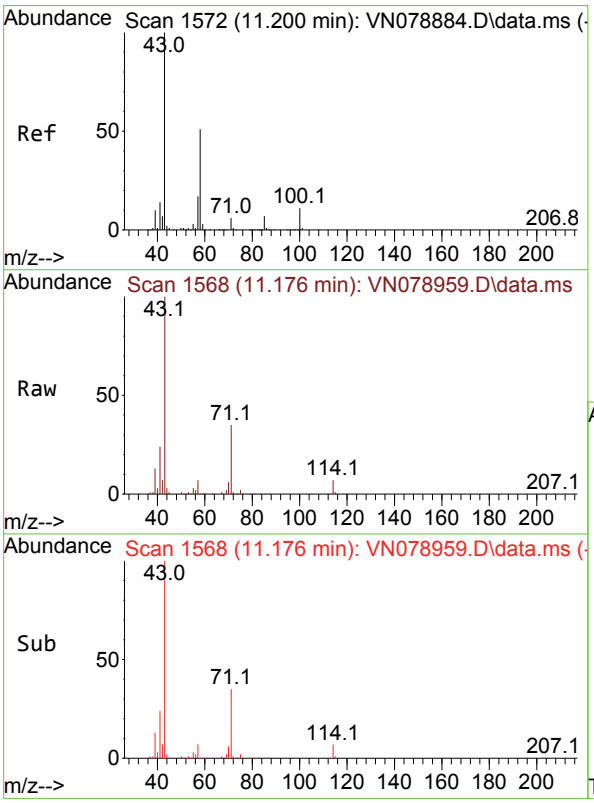
#57
1,3-Dichloropropane
Concen: 1.256 ug/l
RT: 11.206 min Scan# 1
Delta R.T. 0.041 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 76 Resp: 6588

Ion	Ratio	Lower	Upper
76	100		
78	1.1	26.1	39.1#

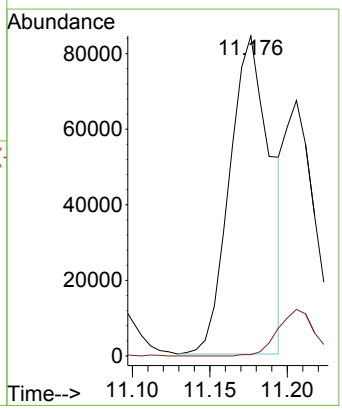


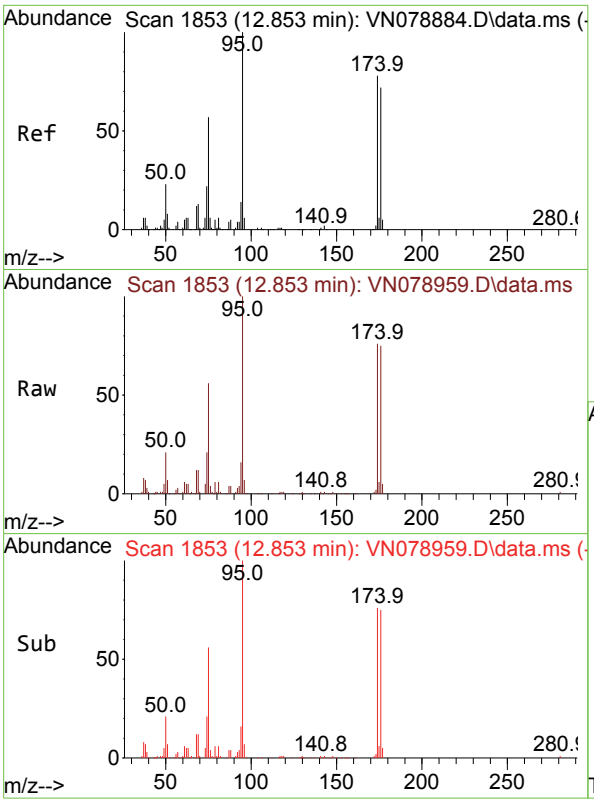


#59
2-Hexanone
Concen: 45.064 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 43 Resp: 154258

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.7	95.1#



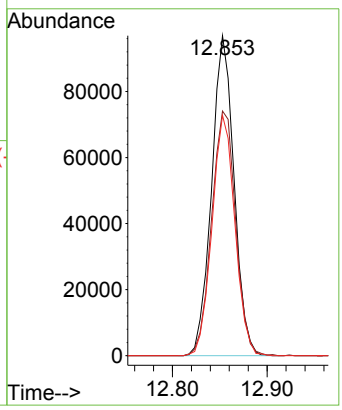


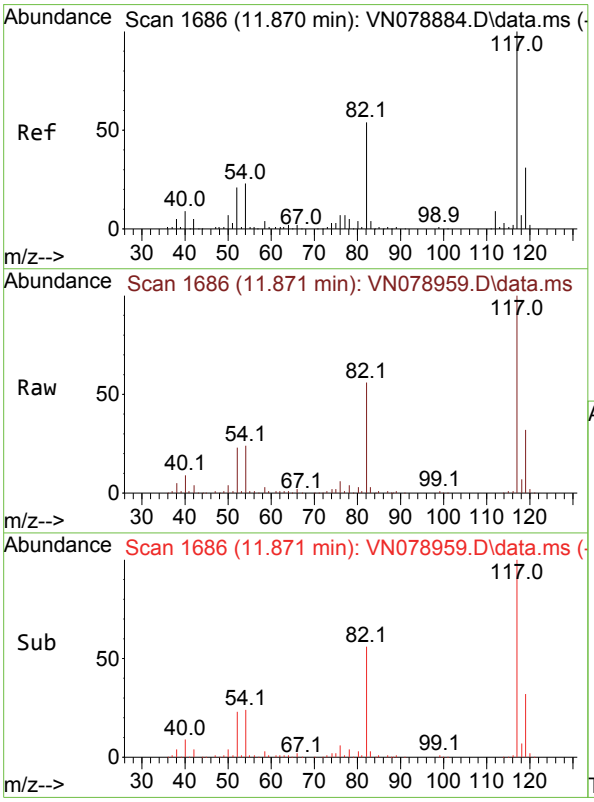
#62
4-Bromofluorobenzene
Concen: 48.953 ug/l
RT: 12.853 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 159145

Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	143.8
176	76.7	0.0	135.8

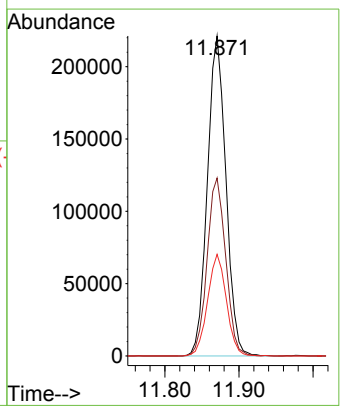


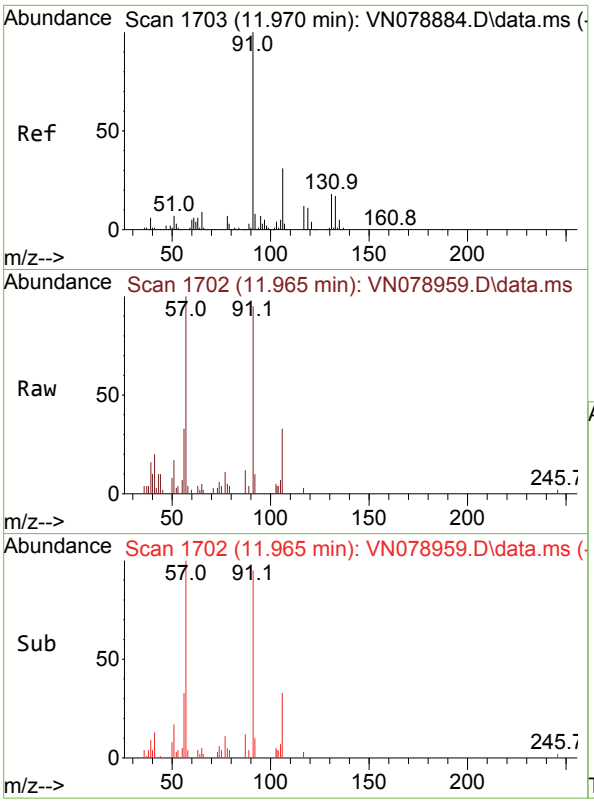


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion:117 Resp: 383685

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.0	66.0
119	31.7	25.6	38.4



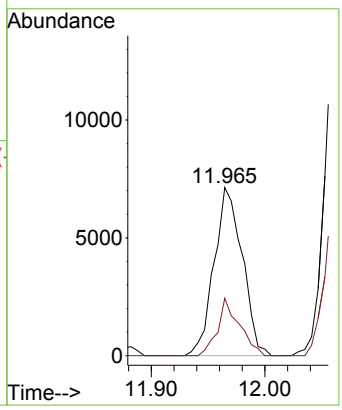


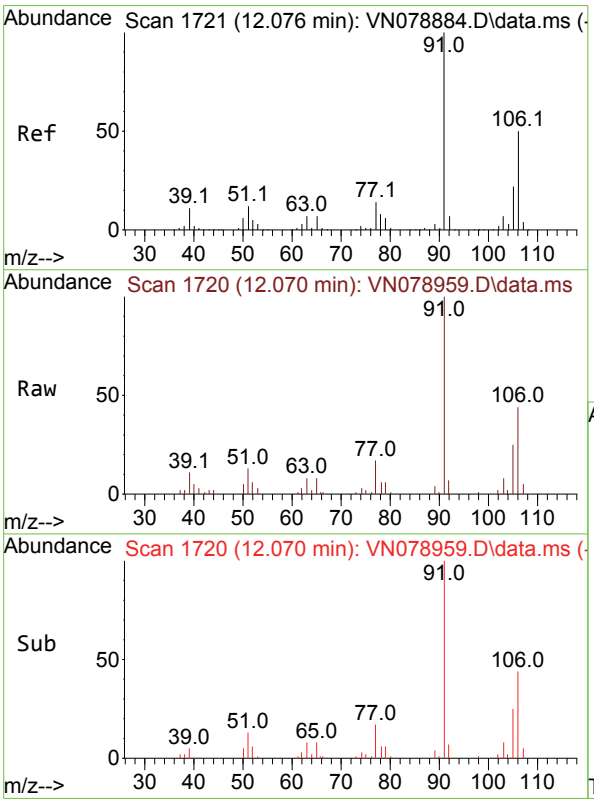
#67
Ethyl Benzene
Concen: 0.831 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 91 Resp: 12339

Ion	Ratio	Lower	Upper
91	100		
106	34.2	25.6	38.4

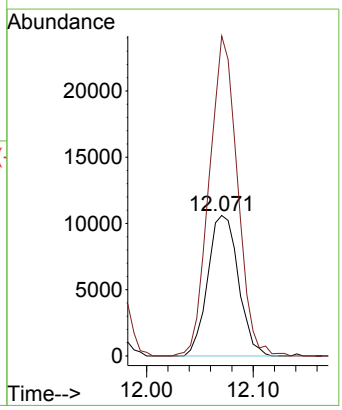


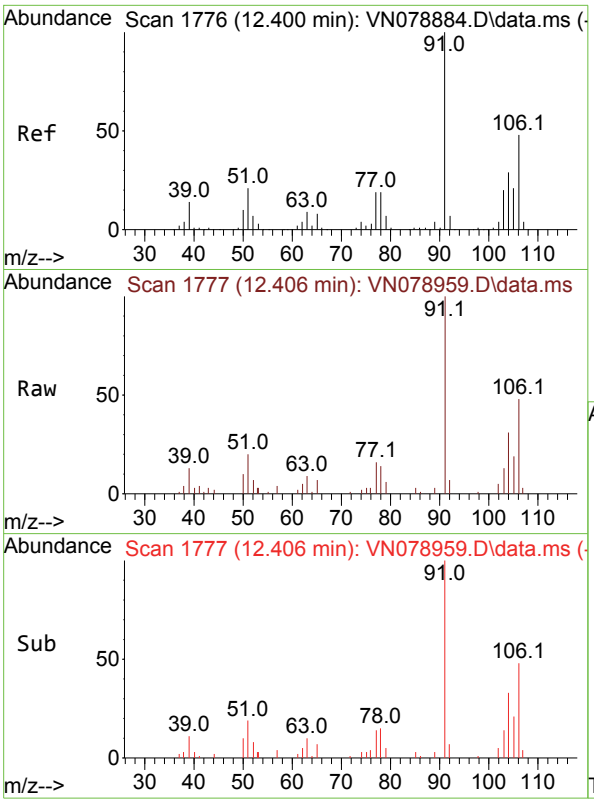


#68
m/p-Xylenes
Concen: 3.810 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion:106 Resp: 21155

Ion	Ratio	Lower	Upper
106	100		
91	210.0	159.6	239.4



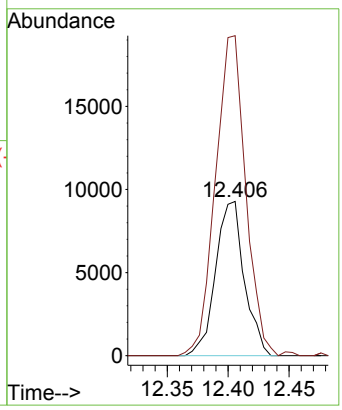


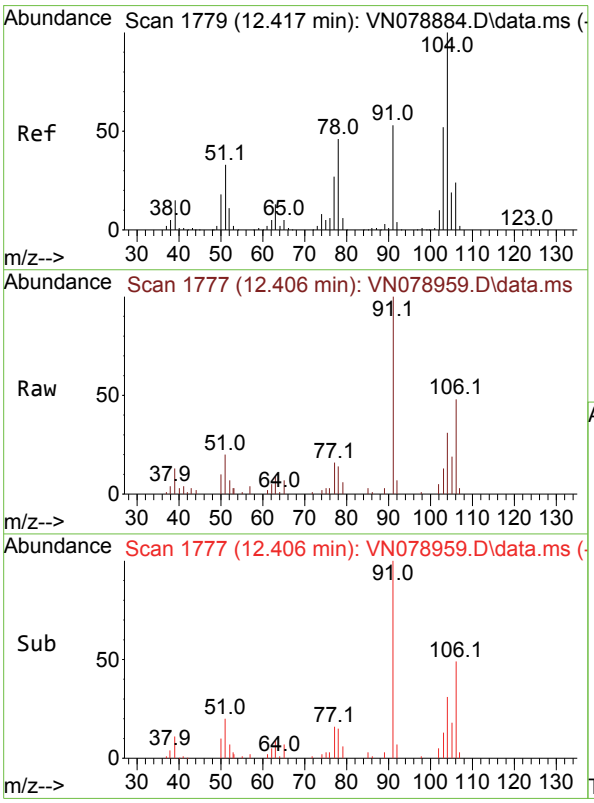
#69
o-Xylene
Concen: 2.823 ug/l
RT: 12.406 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:106 Resp: 15251

Ion	Ratio	Lower	Upper
106	100		
91	218.6	105.2	315.5

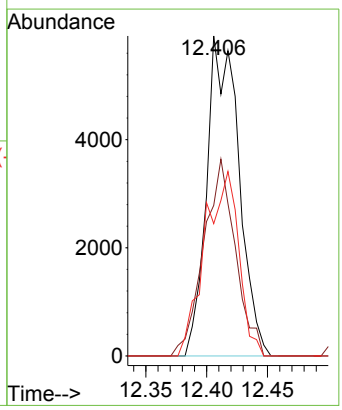


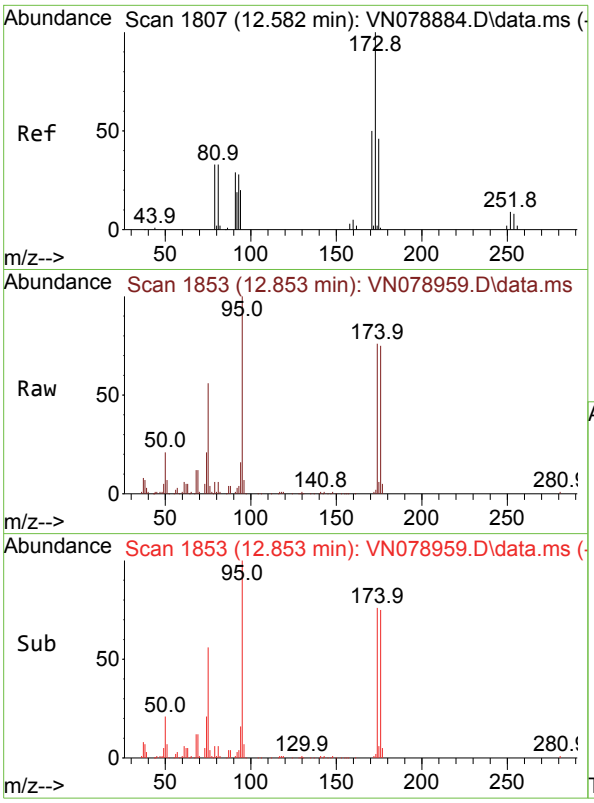


#70
Styrene
Concen: 1.206 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.012 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion:104 Resp: 10859

Ion	Ratio	Lower	Upper
104	100		
78	60.8	39.5	59.3#
103	61.0	43.2	64.8



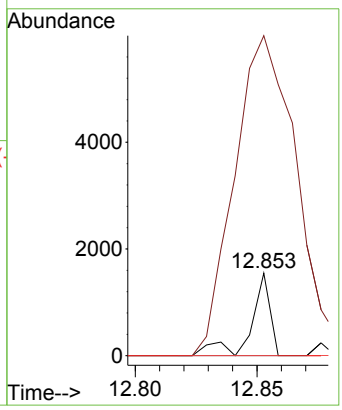


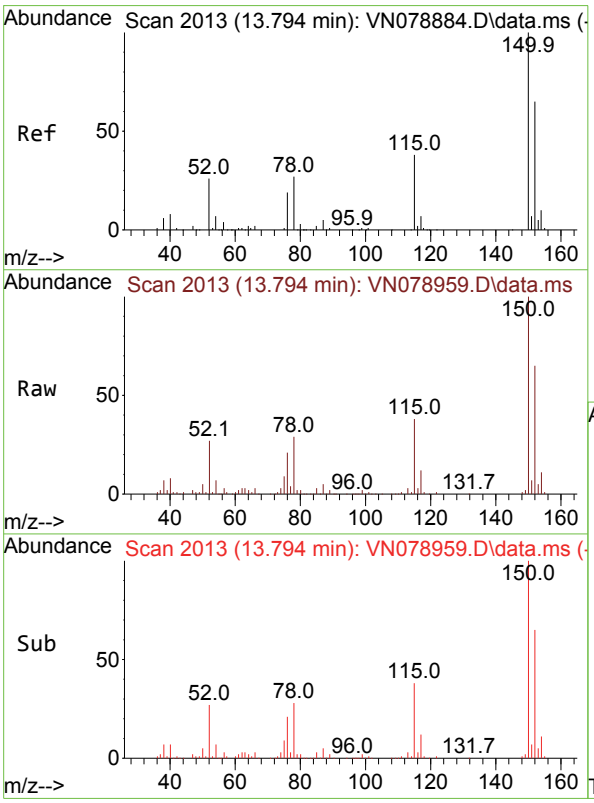
#71
Bromoform
Concen: 0.376 ug/l
RT: 12.853 min Scan# 1
Delta R.T. 0.271 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:173 Resp: 844

Ion	Ratio	Lower	Upper
173	100		
175	928.1	24.3	73.0#
254	0.0	0.0	0.0

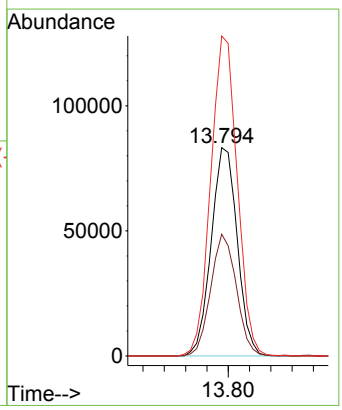


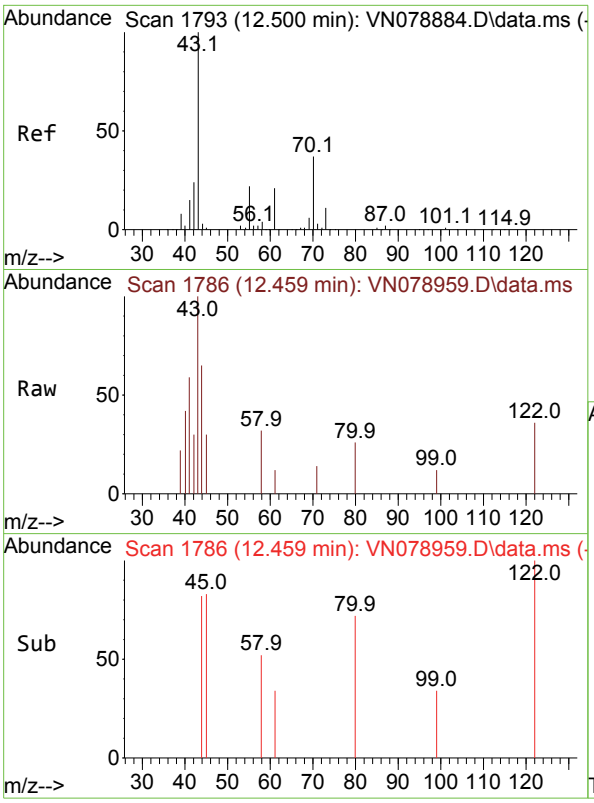


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion:152 Resp: 141157

Ion	Ratio	Lower	Upper
152	100		
115	57.9	32.3	96.8
150	156.1	0.0	355.8



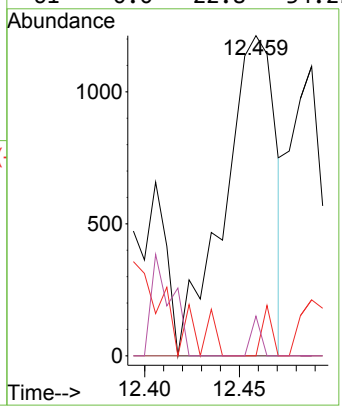


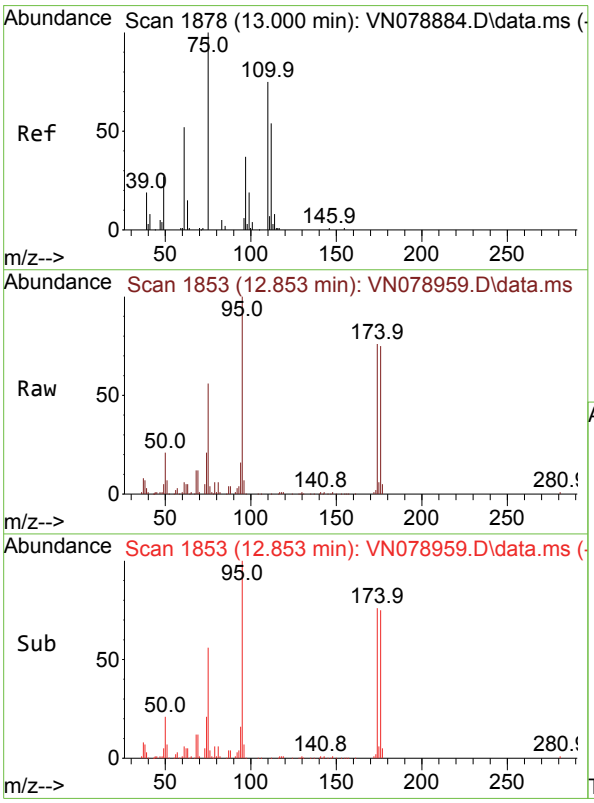
#74
N-amyl acetate
Concen: 0.382 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 2272

Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	2.9	21.4	32.0#
61	0.0	22.8	34.2#

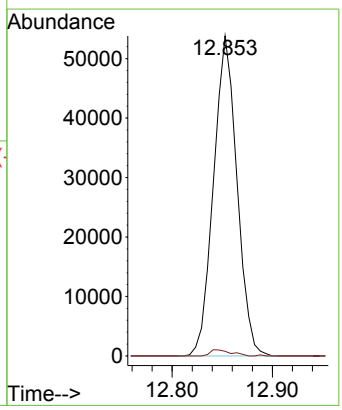


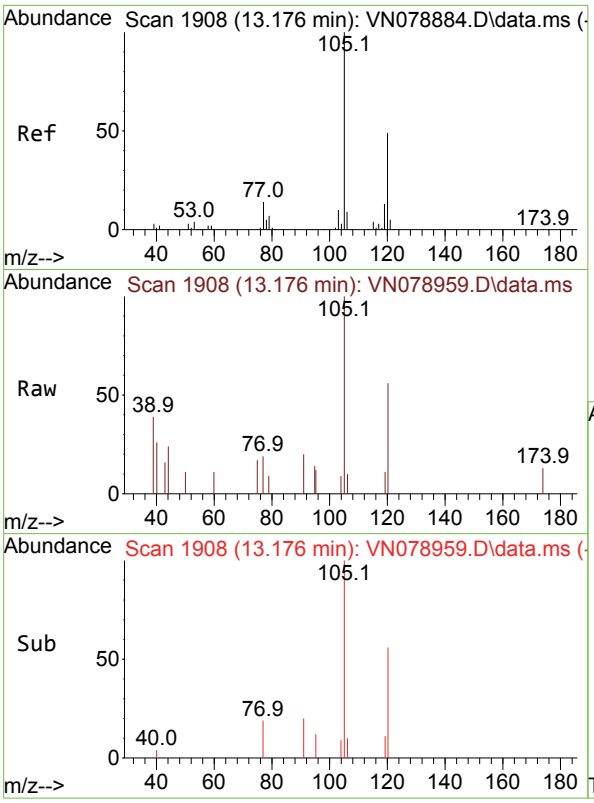


#76
1,2,3-Trichloropropane
Concen: 25.670 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 75 Resp: 87310

Ion	Ratio	Lower	Upper
75	100		
77	1.7	84.5	253.5#



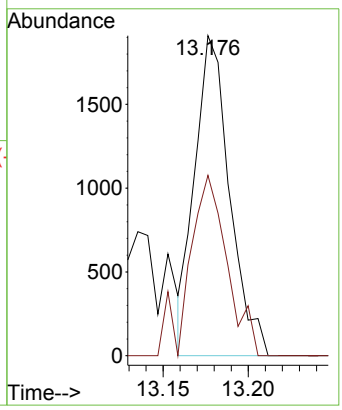


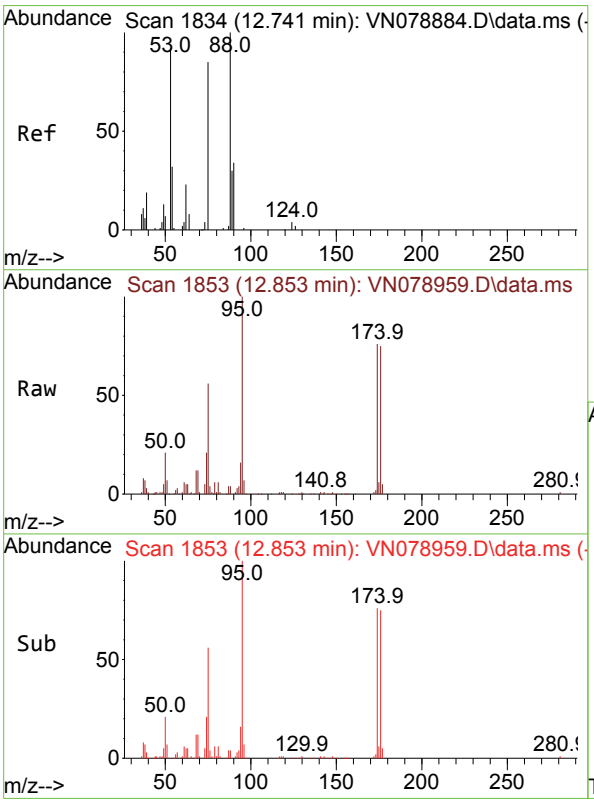
#80
1,3,5-Trimethylbenzene
Concen: 0.292 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 2726

Ion	Ratio	Lower	Upper
105	100		
120	61.0	24.1	72.3

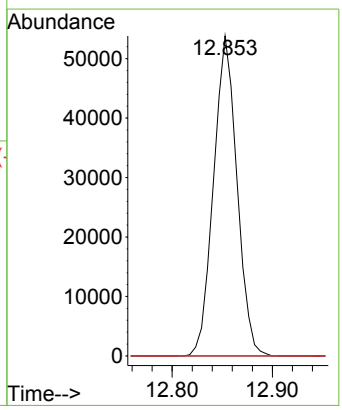


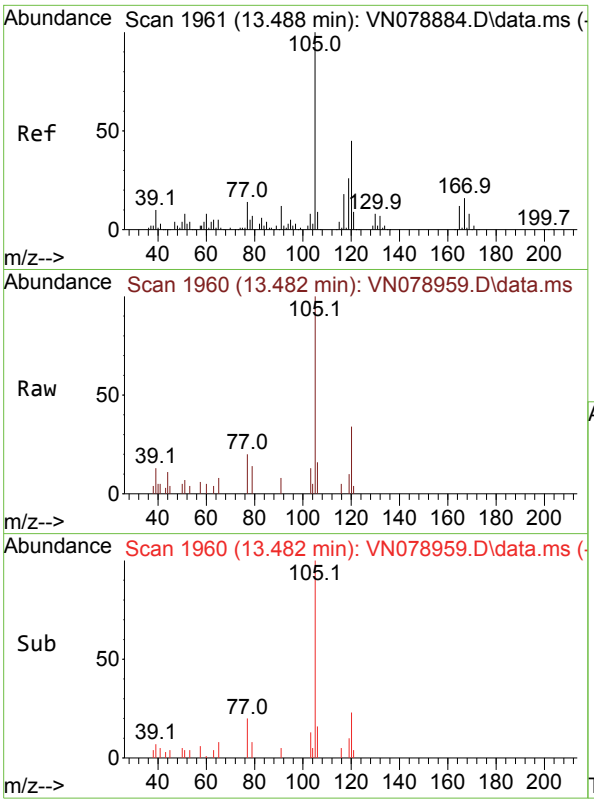


#81
trans-1,4-Dichloro-2-butene
Concen: 65.577 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion: 75 Resp: 87310

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



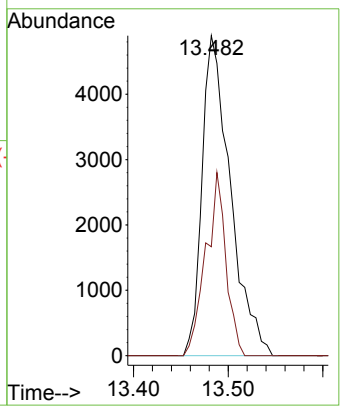


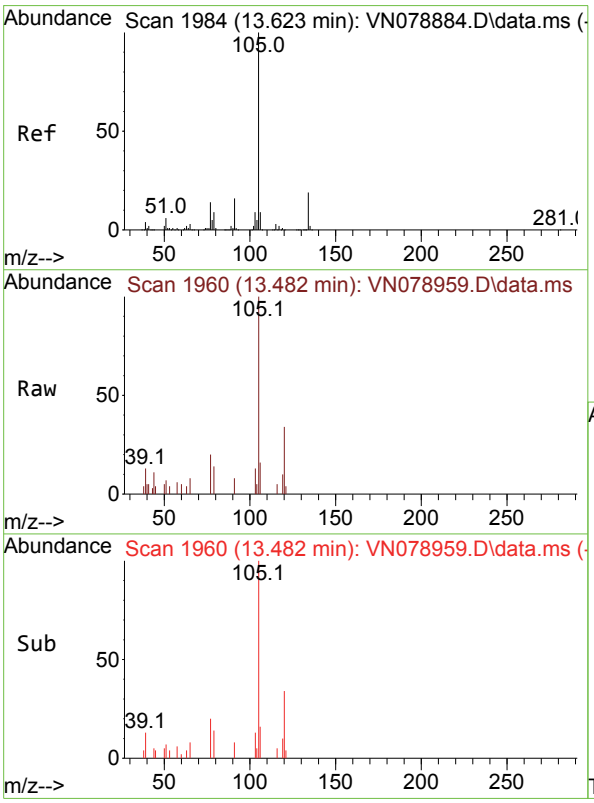
#84
1,2,4-Trimethylbenzene
Concen: 1.102 ug/l
RT: 13.482 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 10178

Ion	Ratio	Lower	Upper
105	100		
120	40.7	22.0	66.0

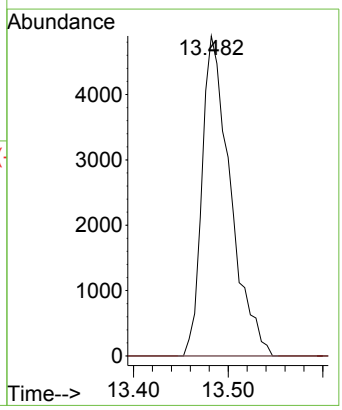


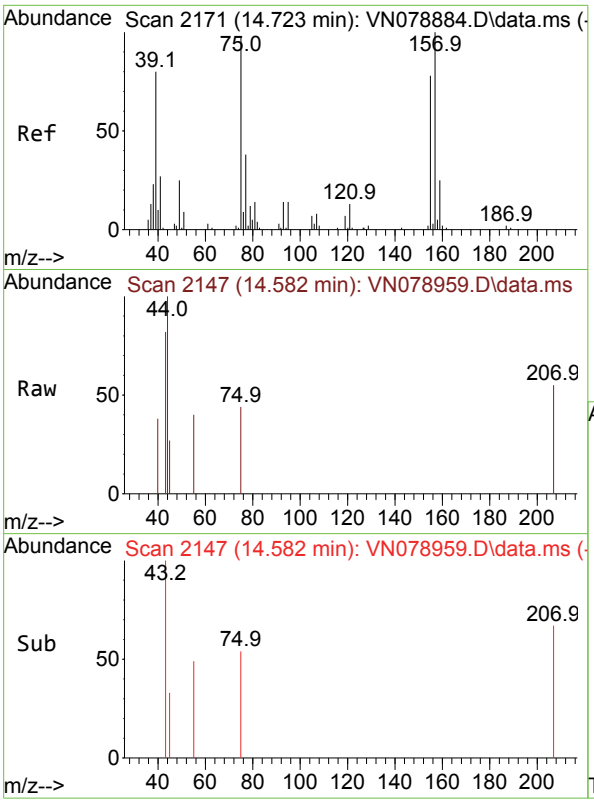


#85
sec-Butylbenzene
Concen: 0.944 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.141 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion:105 Resp: 10178

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.8	29.3#



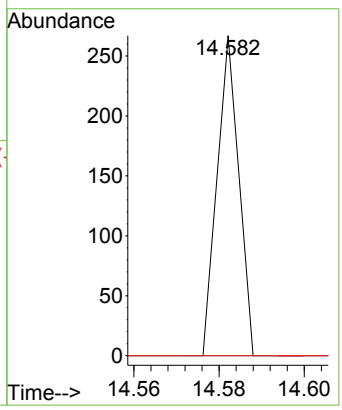


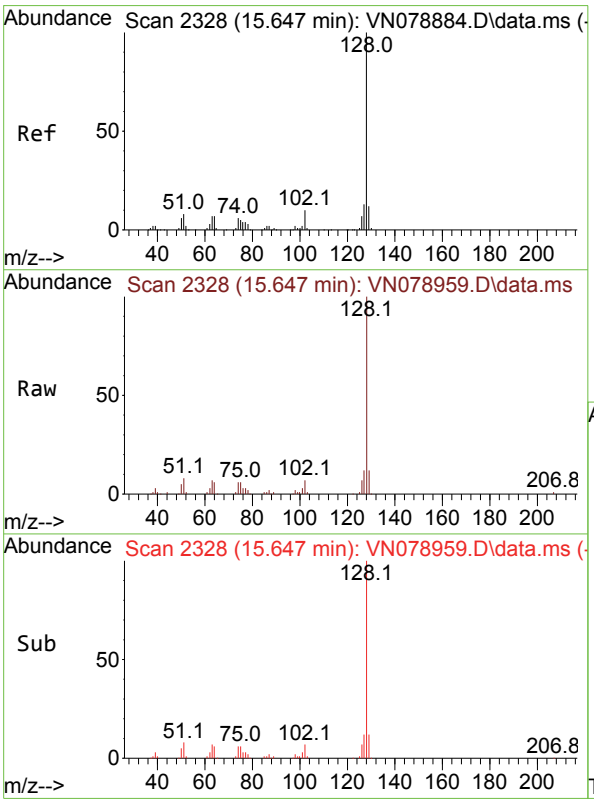
#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.582 min Scan# 21
Delta R.T. -0.141 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Instrument :
MSVOA_N
ClientSampleId :

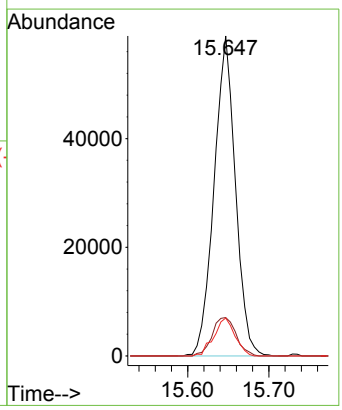
Tgt Ion: 75 Resp: 94

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





#95
Naphthalene
Concen: 18.264 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078959.D
Acq: 18 Aug 2023 22:01

Tgt Ion:128 Resp: 107600

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.0	15.0
129	11.7	8.7	13.1