

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079938.D
 Acq On : 06 Nov 2023 21:20
 Operator : JC\MD
 Sample : 05256-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

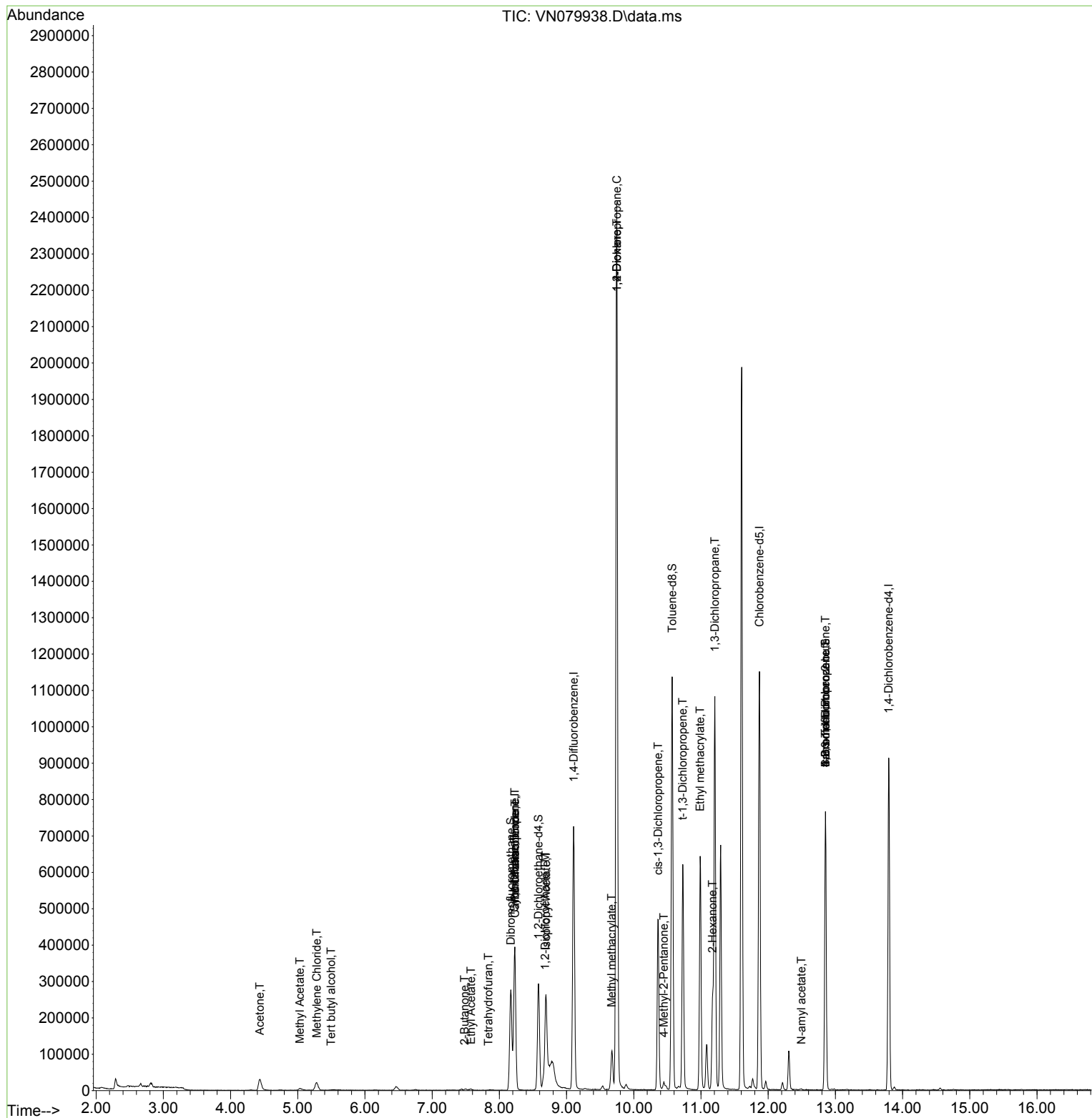
Quant Time: Nov 07 04:55:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

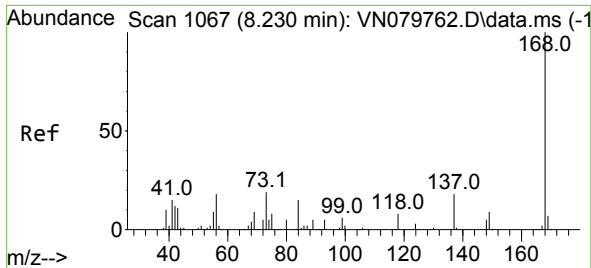
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	271689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	599761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	641186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	234887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	240684	58.146	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.300%			
35) Dibromofluoromethane	8.171	113	199049	46.892	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.780%			
50) Toluene-d8	10.570	98	750247	48.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.020%			
62) 4-Bromofluorobenzene	12.853	95	253097	48.835	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.680%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	1023	Below Cal	#	81
11) Tert butyl alcohol	5.494	59	364	0.689	ug/l #	72
16) Acetone	4.436	43	61905	42.577	ug/l	94
18) Methyl Acetate	5.030	43	10827	1.556	ug/l #	78
20) Methylene Chloride	5.283	84	16172	4.408	ug/l #	80
25) 2-Butanone	7.482	43	6846	3.215	ug/l #	37
29) Tetrahydrofuran	7.835	42	529	0.382	ug/l #	30
31) Cyclohexane	8.224	56	7014	1.282	ug/l #	38
36) 1,1-Dichloropropene	8.229	75	24616	4.061	ug/l #	49
37) Ethyl Acetate	7.577	43	6009	1.081	ug/l #	86
38) Carbon Tetrachloride	8.235	117	28818	4.718	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	2073	0.327	ug/l #	73
43) Isopropyl Acetate	8.694	43	338700	34.745	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	3136	0.676	ug/l #	45
48) Methyl methacrylate	9.670	41	7238	1.695	ug/l #	29
49) 1,4-Dioxane	9.747	88	414	5.487	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12381	2.256	ug/l	96
53) t-1,3-Dichloropropene	10.729	75	1351	0.204	ug/l #	66
54) cis-1,3-Dichloropropene	10.365	75	79793	11.054	ug/l #	74
56) Ethyl methacrylate	10.988	69	3346	0.542	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	10849	1.422	ug/l #	42
59) 2-Hexanone	11.170	43	197107	46.948	ug/l #	19
71) Bromoform	12.853	173	2111	0.593	ug/l #	1
74) N-amyl acetate	12.494	43	2917	0.375	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	138274	25.075	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	138274	68.223	ug/l #	15

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

Instrument :
MSVOA_N
ClientSampleId :

Instrument :
MSVOA_N
ClientSampleId :

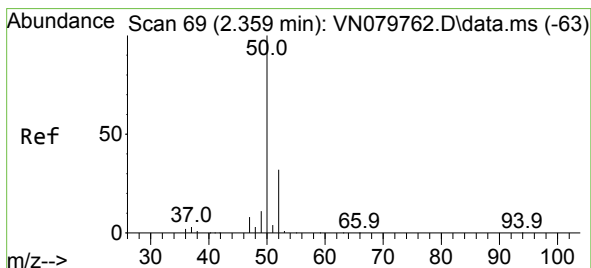
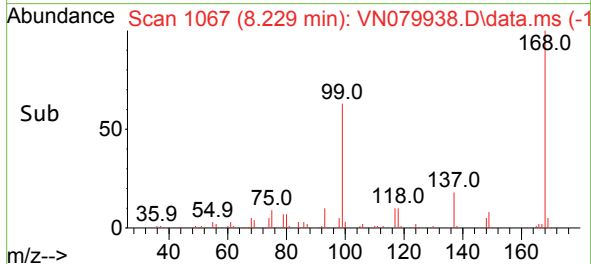
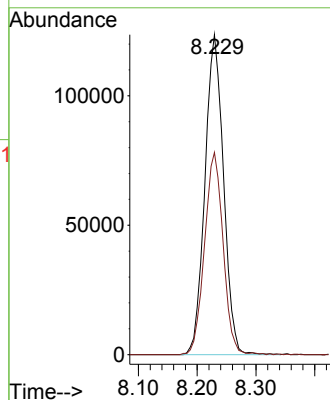
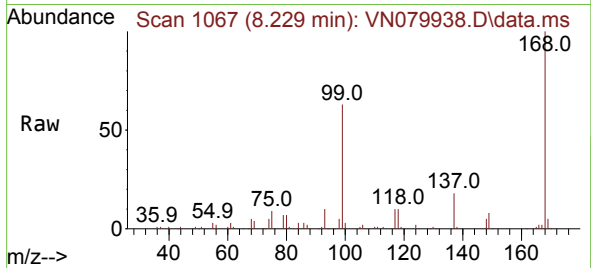




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

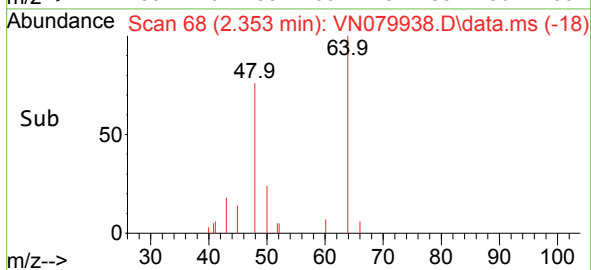
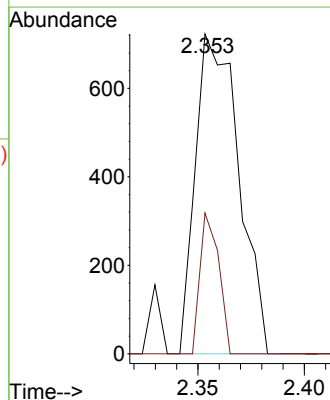
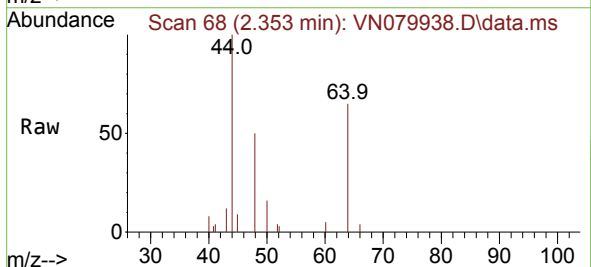
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 271689
Ion Ratio Lower Upper
168 100
99 63.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 50 Resp: 1023
Ion Ratio Lower Upper
50 100
52 44.0 26.5 39.7#

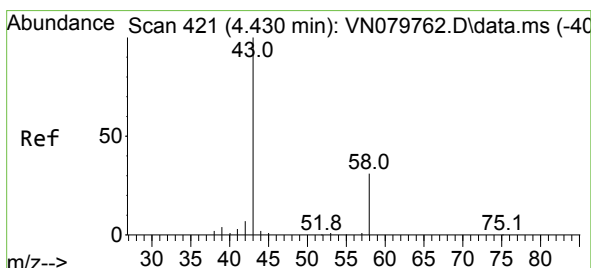
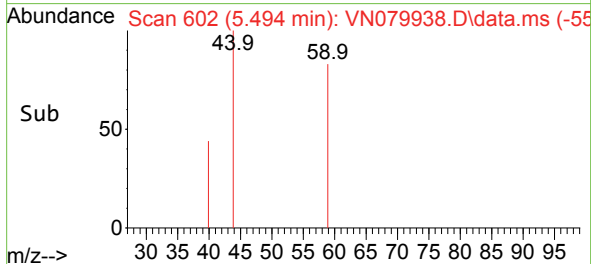
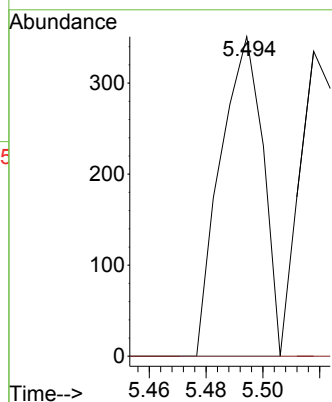
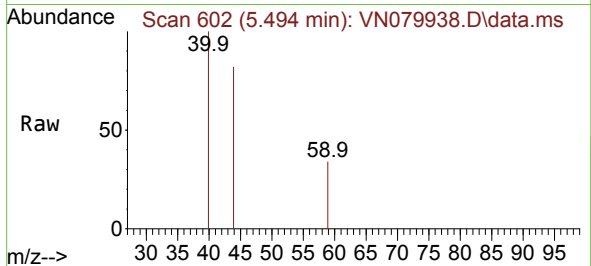




#11
Tert butyl alcohol
Concen: 0.689 ug/l
RT: 5.494 min Scan# 607
Delta R.T. -0.024 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

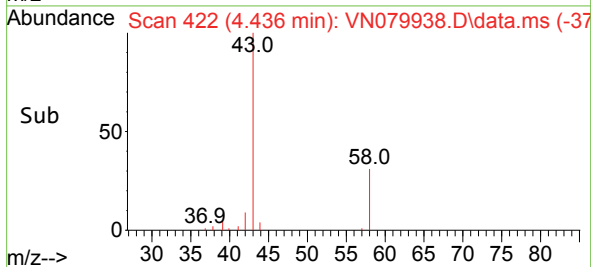
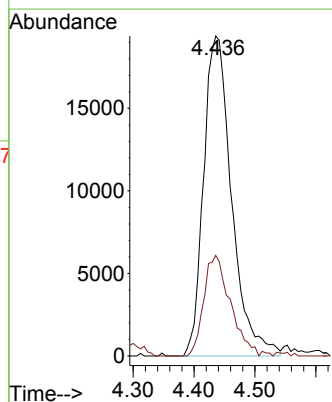
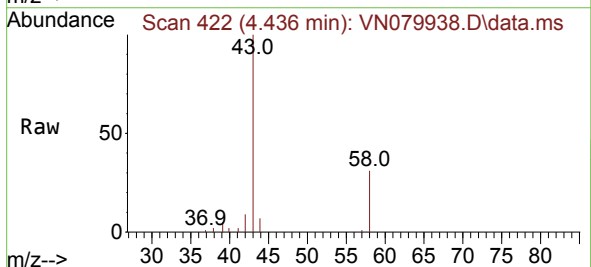
Instrument :
MSVOA_N
ClientSampleId :

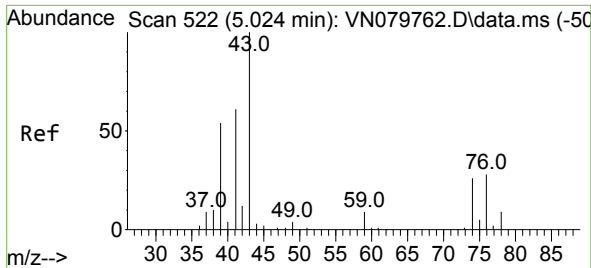
Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 42.577 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 43 Resp: 61905
Ion Ratio Lower Upper
43 100
58 31.4 28.0 42.0

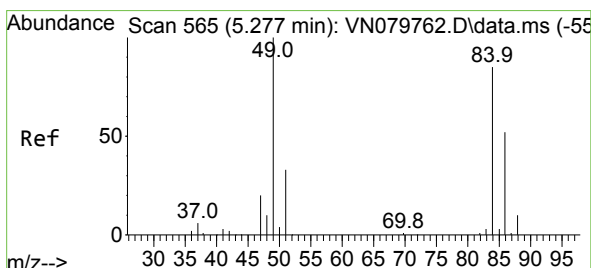
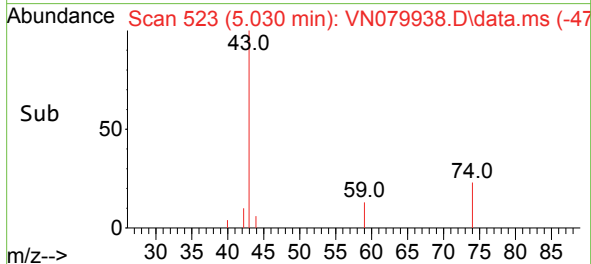
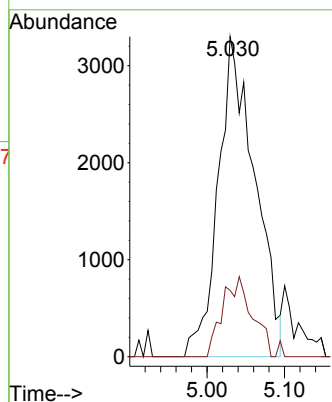
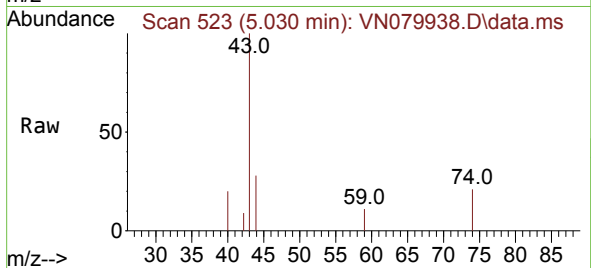




#18
Methyl Acetate
Concen: 1.556 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

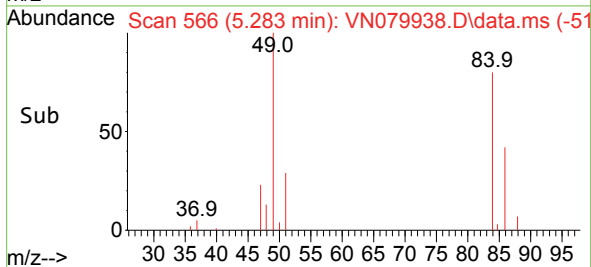
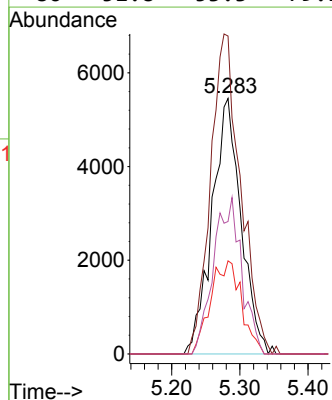
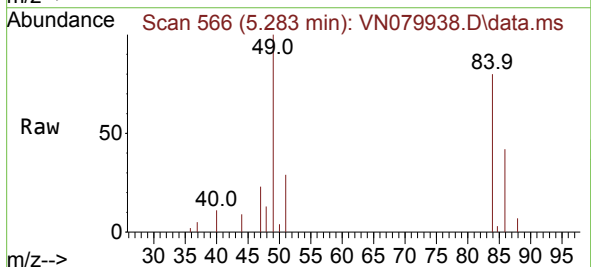
Instrument :
MSVOA_N
ClientSampleId :

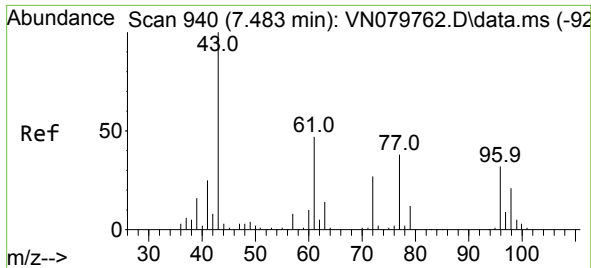
Tgt Ion: 43 Resp: 10827
Ion Ratio Lower Upper
43 100
74 20.3 26.2 39.4#



#20
Methylene Chloride
Concen: 4.408 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 84 Resp: 16172
Ion Ratio Lower Upper
84 100
49 124.4 79.7 119.5#
51 36.5 25.2 37.8
86 51.8 53.3 79.9#

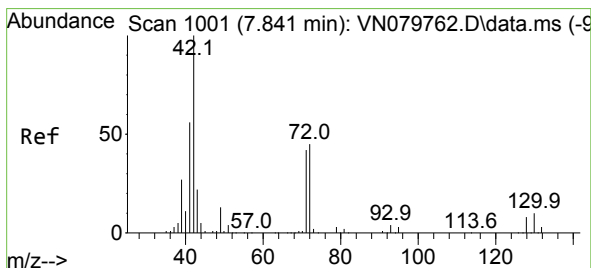
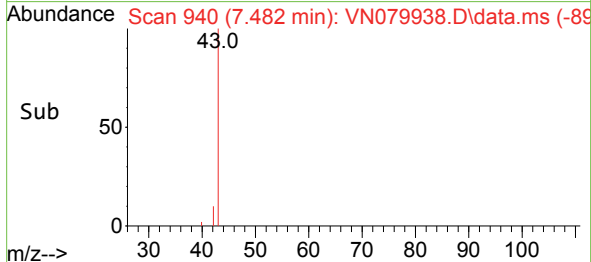
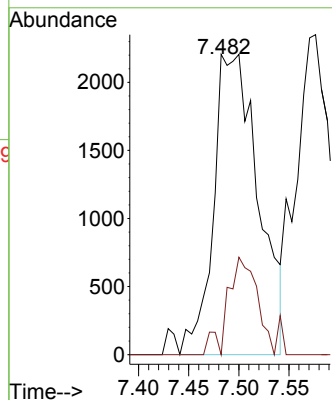
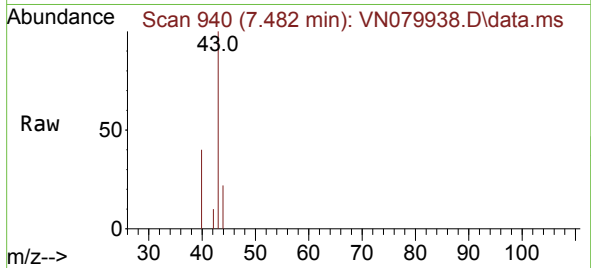




#25
2-Butanone
Concen: 3.215 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

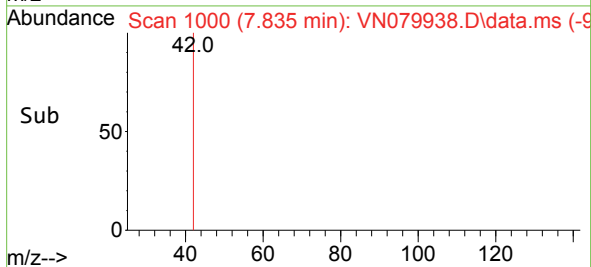
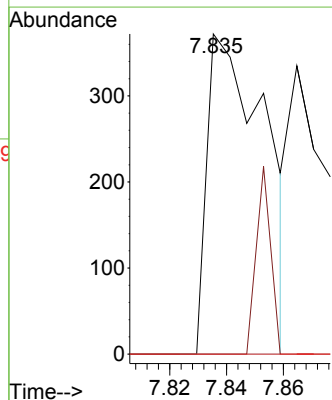
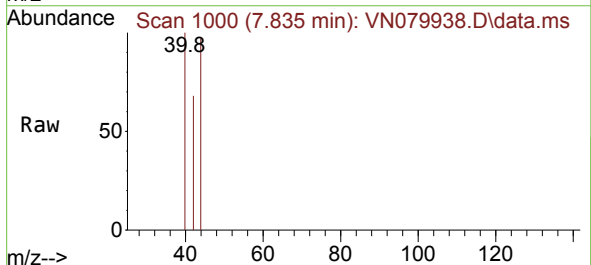
Instrument :
MSVOA_N
ClientSampleId :

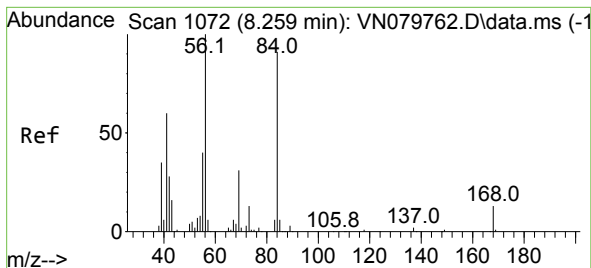
Tgt Ion: 43 Resp: 6846
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.382 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 42 Resp: 529
Ion Ratio Lower Upper
42 100
72 14.6 49.8 74.6#
71 0.0 47.4 71.2#





#31

Cyclohexane

Concen: 1.282 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

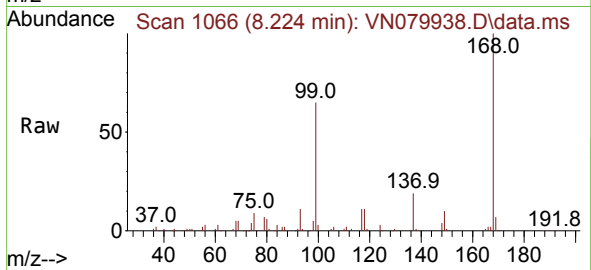
Lab File: VN079938.D

Acq: 06 Nov 2023 21:20

Instrument :

MSVOA_N

ClientSampleId :



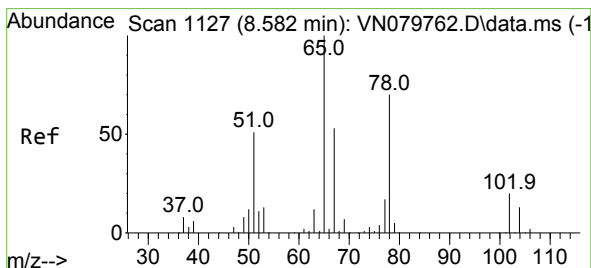
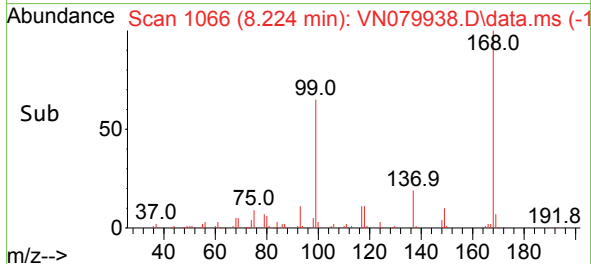
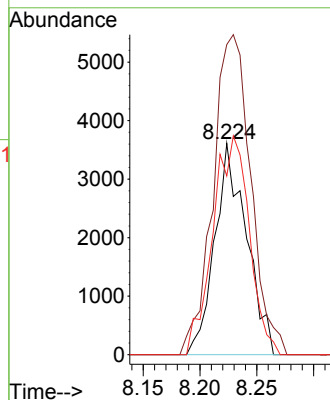
Tgt Ion: 56 Resp: 7014

Ion Ratio Lower Upper

56 100

69 146.7 26.8 40.2#

84 84.6 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 58.146 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079938.D

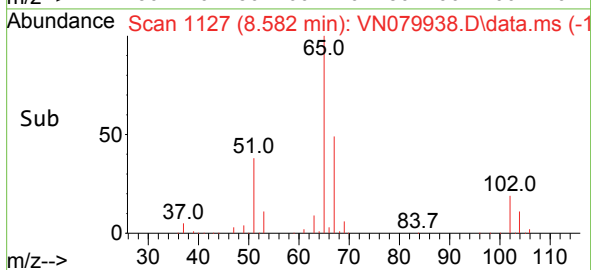
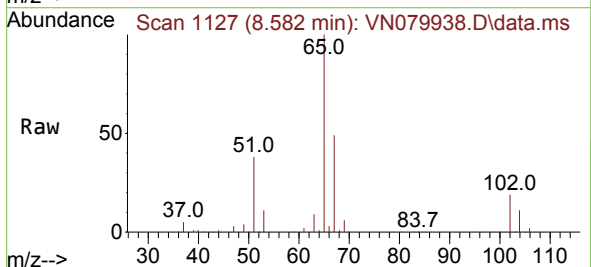
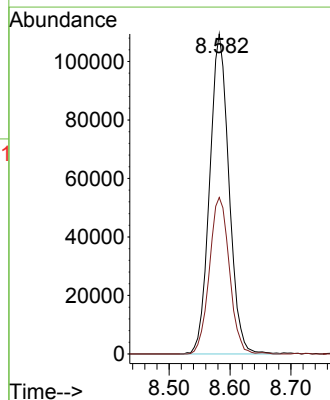
Acq: 06 Nov 2023 21:20

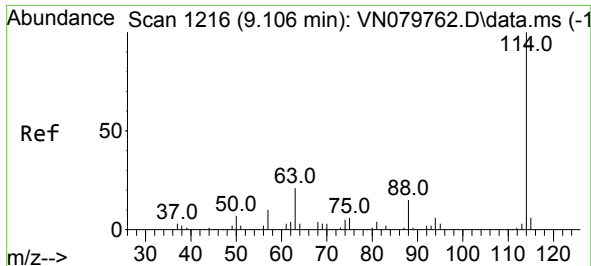
Tgt Ion: 65 Resp: 240684

Ion Ratio Lower Upper

65 100

67 50.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079938.D

Acq: 06 Nov 2023 21:20

Instrument :

MSVOA_N

ClientSampleId :

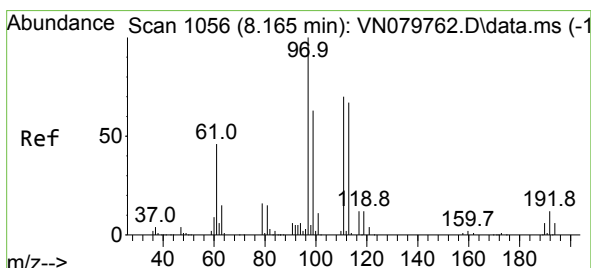
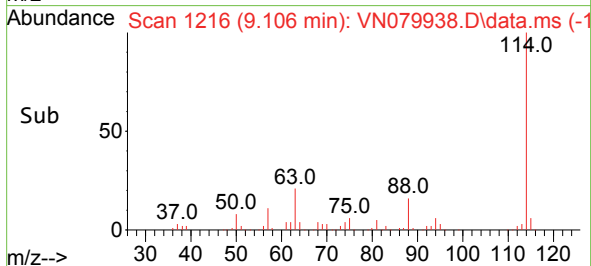
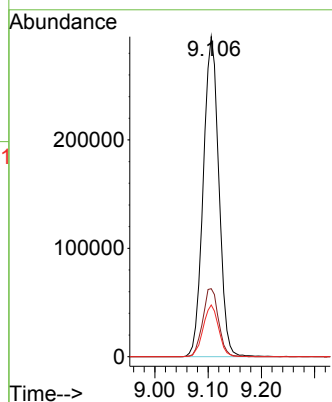
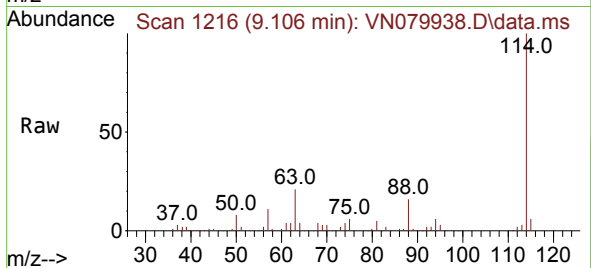
Tgt Ion:114 Resp: 599761

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.892 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079938.D

Acq: 06 Nov 2023 21:20

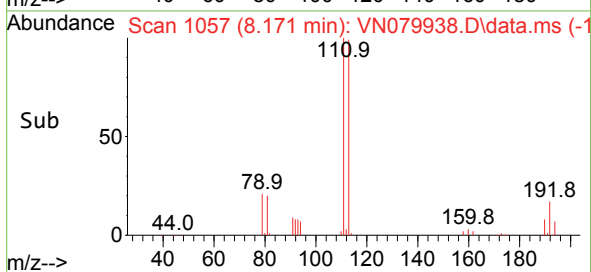
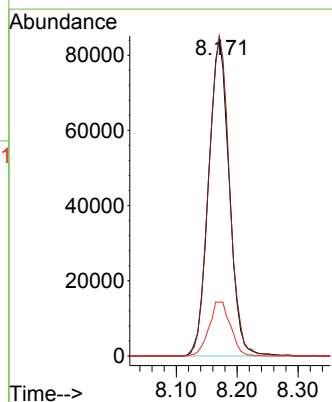
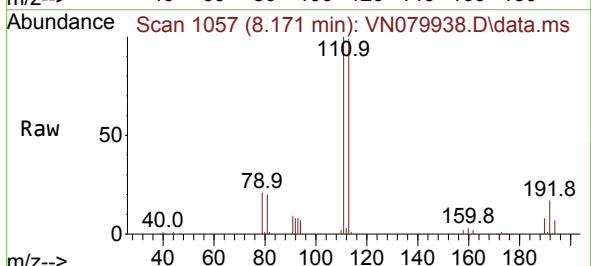
Tgt Ion:113 Resp: 199049

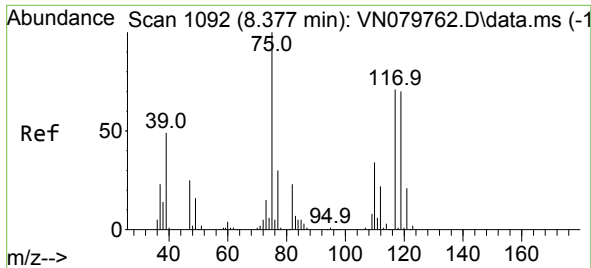
Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

192 17.7 12.7 19.1

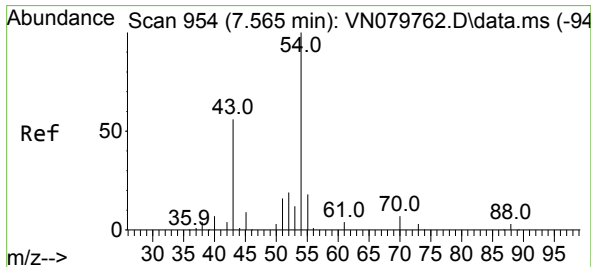
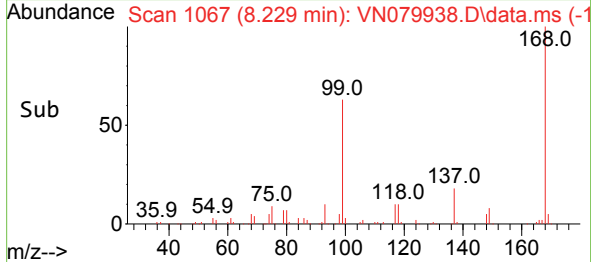
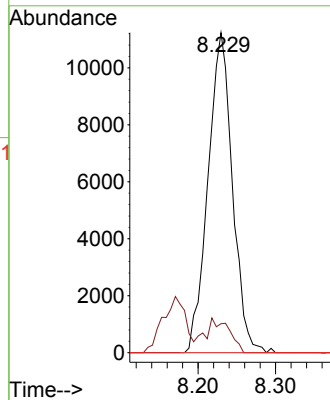
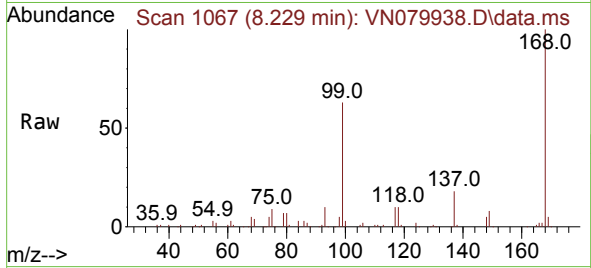




#36
1,1-Dichloropropene
Concen: 4.061 ug/l
RT: 8.229 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

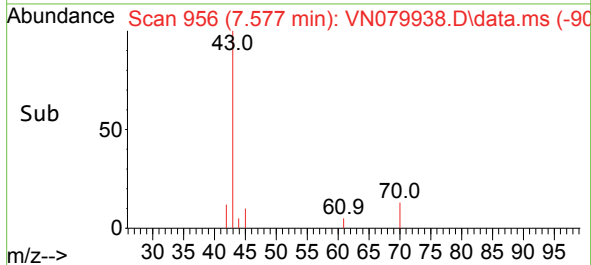
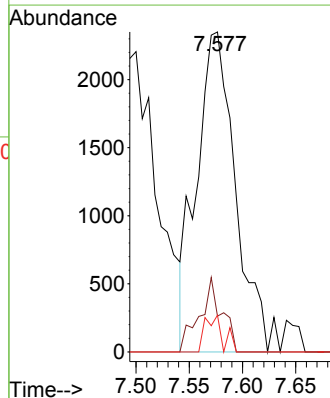
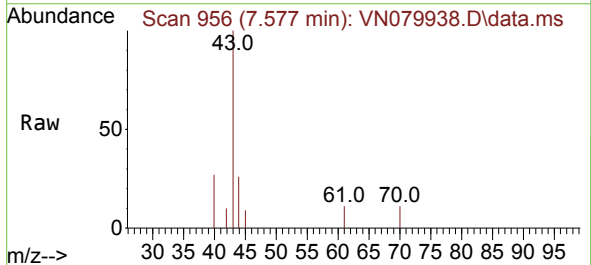
Instrument :
MSVOA_N
ClientSampleId :

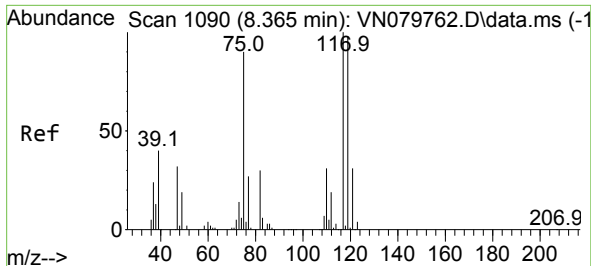
Tgt Ion: 75 Resp: 24616
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.081 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

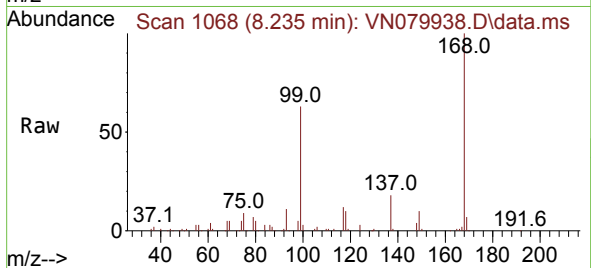
Tgt Ion: 43 Resp: 6009
Ion Ratio Lower Upper
43 100
61 13.2 13.2 19.8
70 5.2 11.3 16.9#



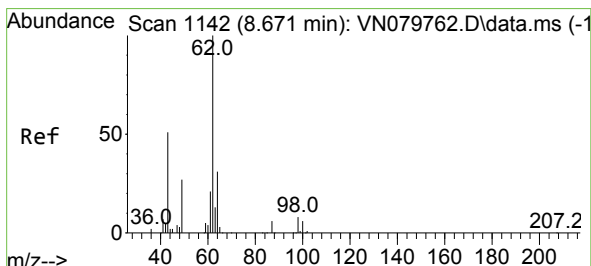
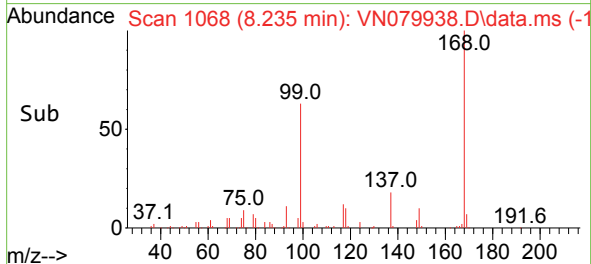
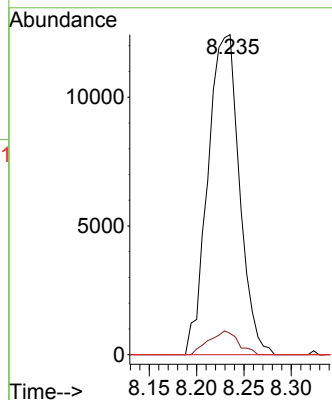


#38
Carbon Tetrachloride
Concen: 4.718 ug/l
RT: 8.235 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Instrument :
MSVOA_N
ClientSampleId :

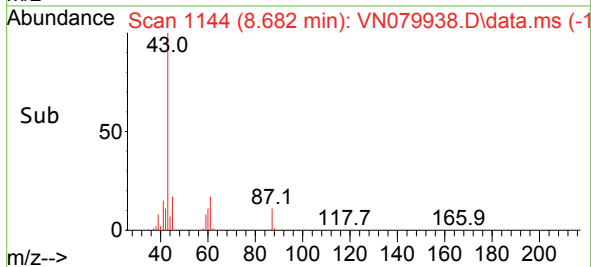
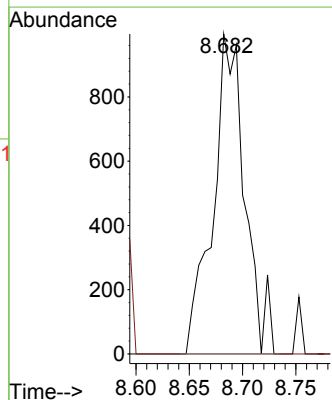
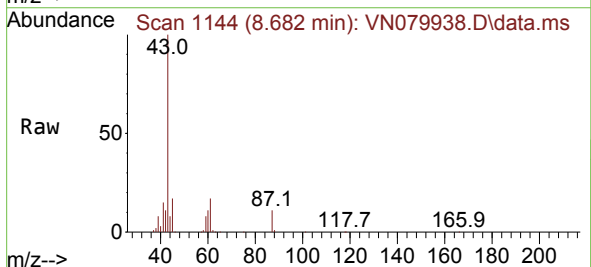


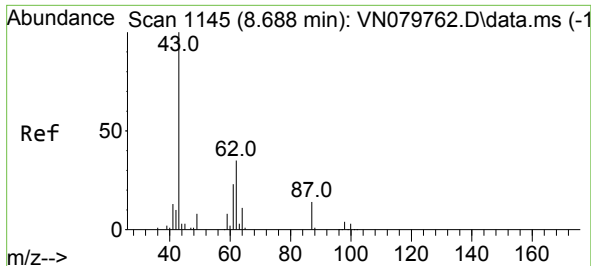
Tgt Ion: 117 Resp: 28818
Ion Ratio Lower Upper
117 100
119 6.6 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.327 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 62 Resp: 2073
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

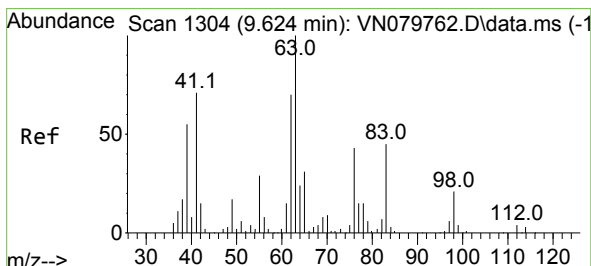
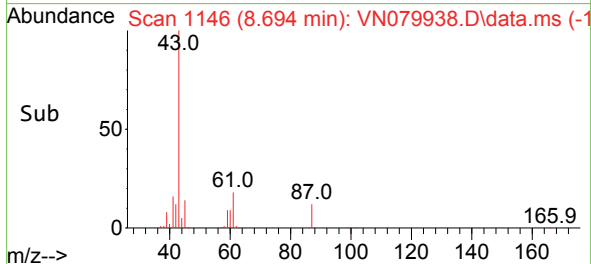
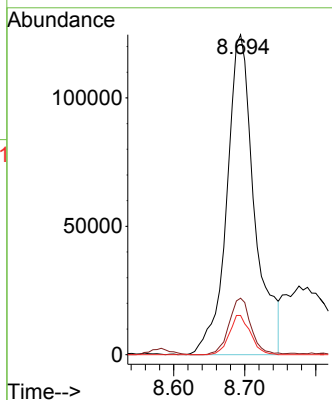
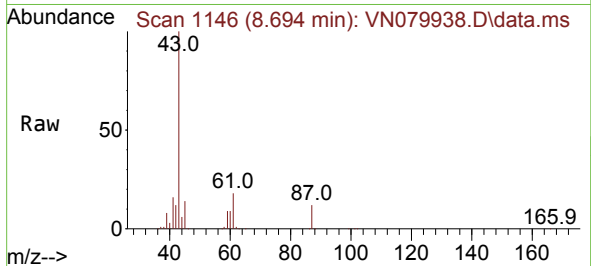




#43
Isopropyl Acetate
Concen: 34.745 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

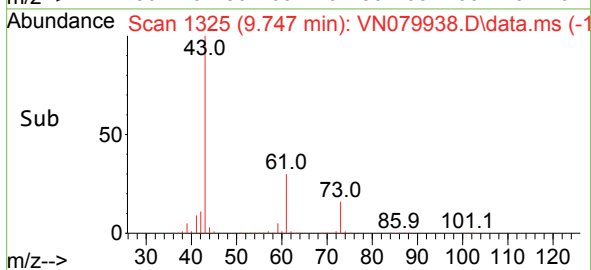
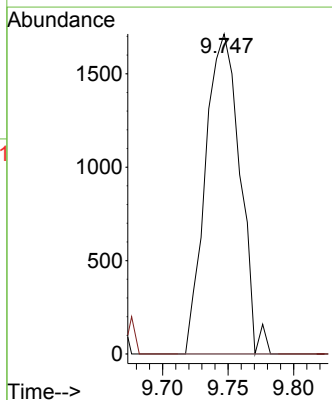
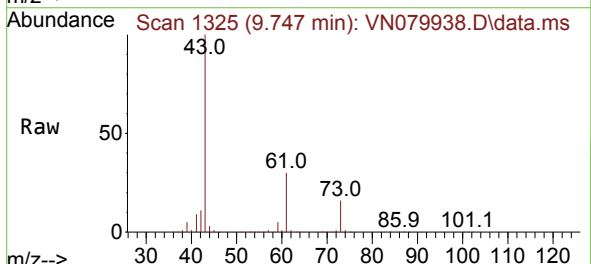
Instrument :
MSVOA_N
ClientSampleId :

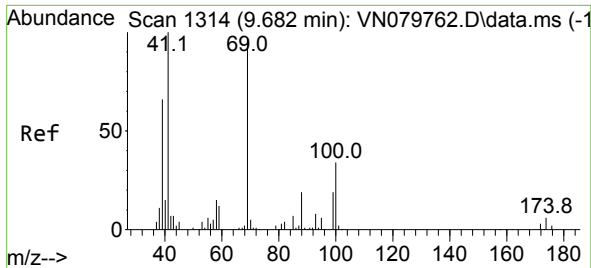
Tgt Ion: 43 Resp: 338700
Ion Ratio Lower Upper
43 100
61 14.0 24.7 37.1#
87 9.3 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.676 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 63 Resp: 3136
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

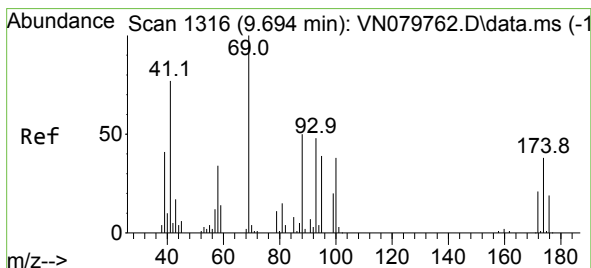
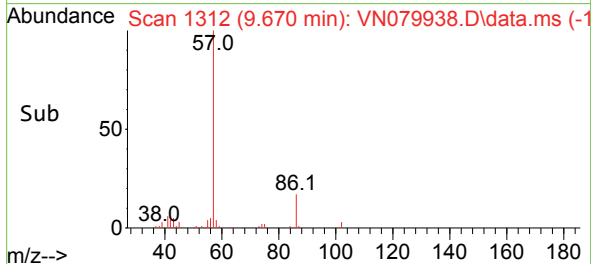
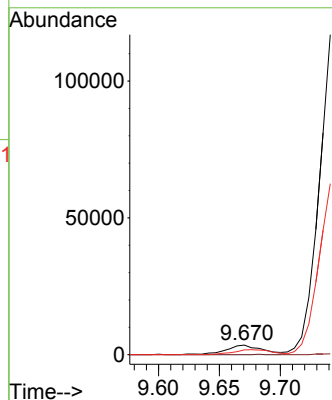
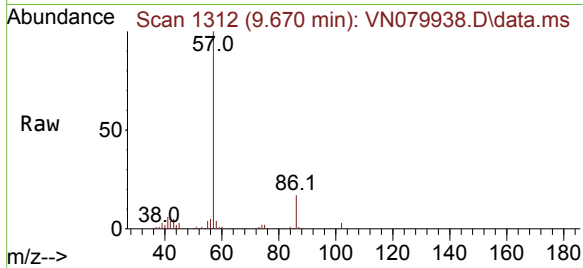




#48
Methyl methacrylate
Concen: 1.695 ug/l
RT: 9.670 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

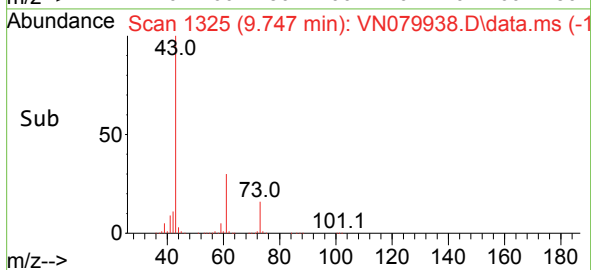
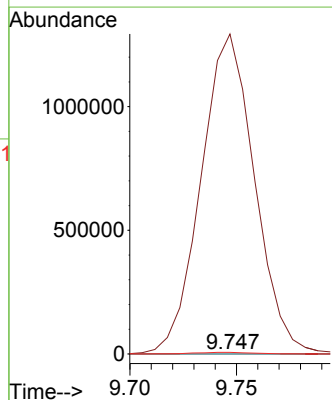
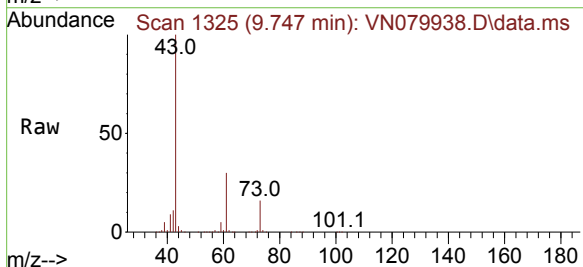
Instrument :
MSVOA_N
ClientSampleId :

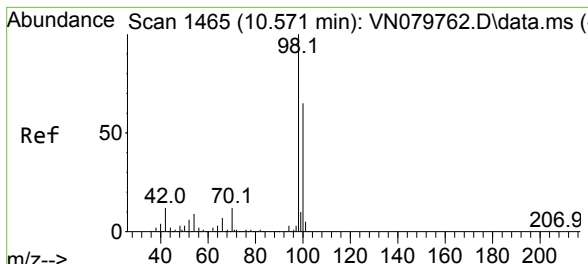
Tgt Ion: 41 Resp: 7238
Ion Ratio Lower Upper
41 100
69 0.8 90.4 135.6#
39 54.8 54.6 81.8



#49
1,4-Dioxane
Concen: 5.487 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 88 Resp: 414
Ion Ratio Lower Upper
88 100
43 549256.0 17.0 25.6#
58 3062.8 47.0 70.4#

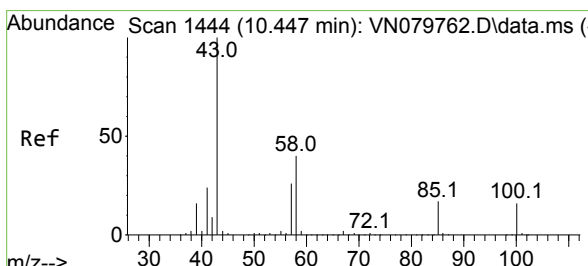
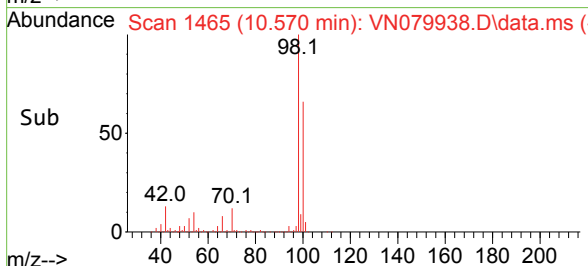
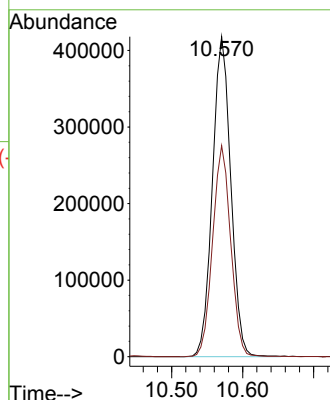
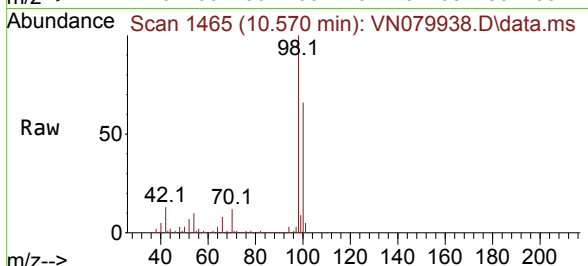




#50
Toluene-d8
Concen: 48.010 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

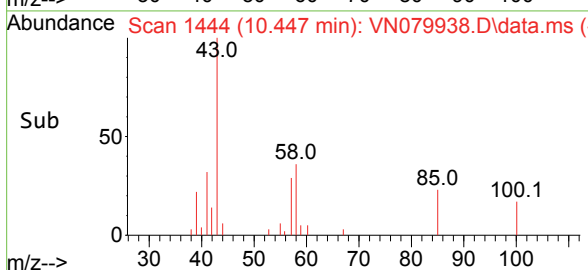
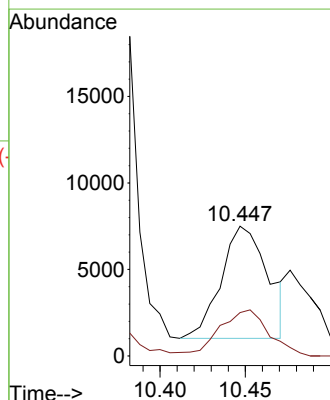
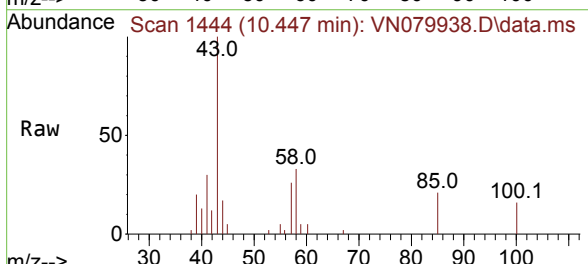
Instrument :
MSVOA_N
ClientSampleId :

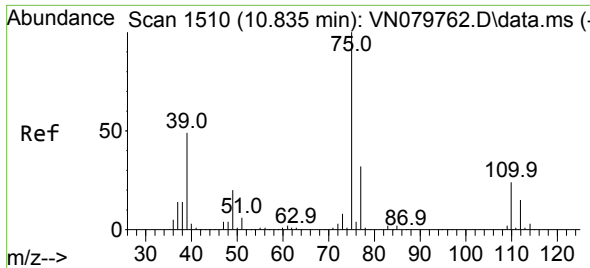
Tgt Ion: 98 Resp: 750247
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.256 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 43 Resp: 12381
Ion Ratio Lower Upper
43 100
58 43.1 36.6 54.8

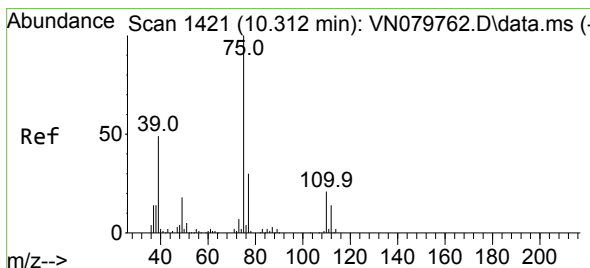
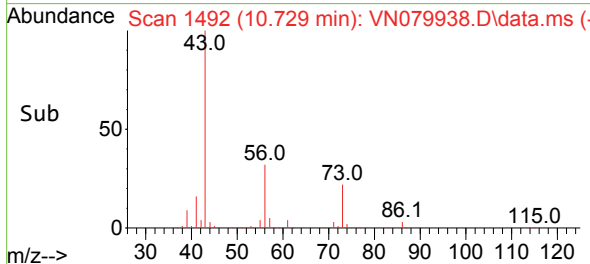
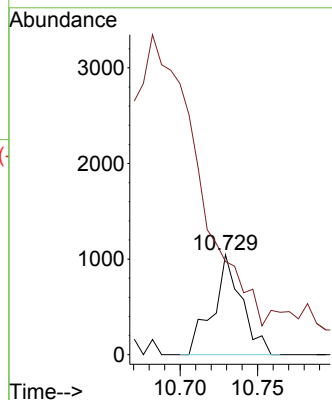
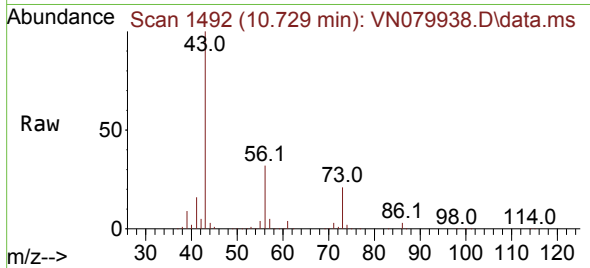




#53
 t-1,3-Dichloropropene
 Concen: 0.204 ug/l
 RT: 10.729 min Scan# 1430
 Delta R.T. -0.112 min
 Lab File: VN079938.D
 Acq: 06 Nov 2023 21:20

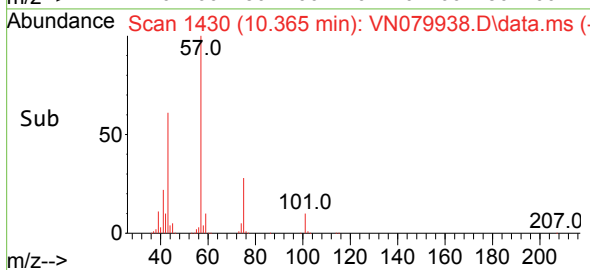
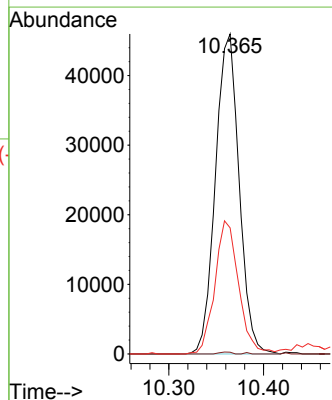
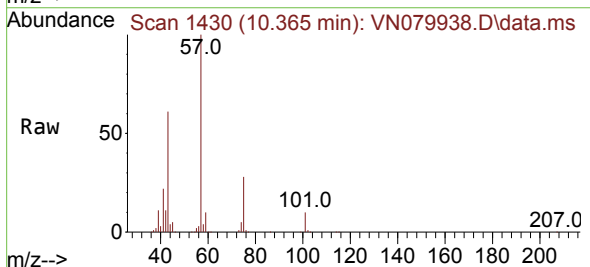
Instrument :
 MSVOA_N
 ClientSampleId :

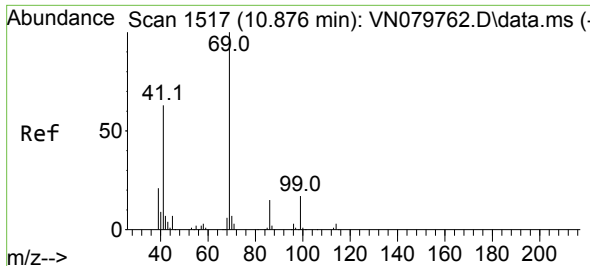
Tgt Ion: 75 Resp: 1351
 Ion Ratio Lower Upper
 75 100
 77 50.8 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.054 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079938.D
 Acq: 06 Nov 2023 21:20

Tgt Ion: 75 Resp: 79793
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 39.4 31.6 47.4

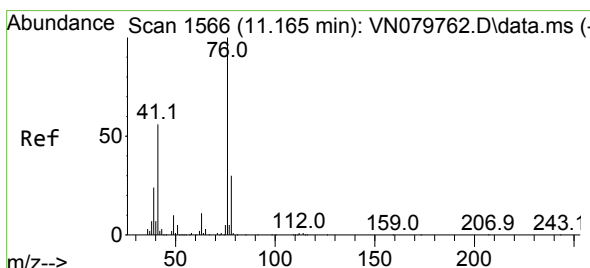
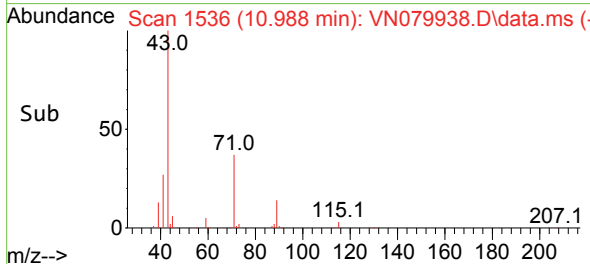
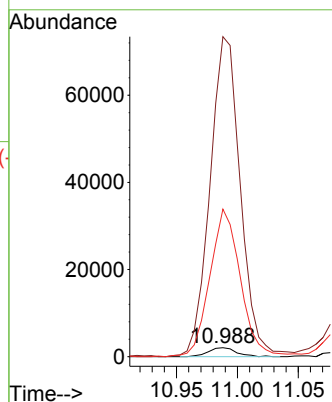
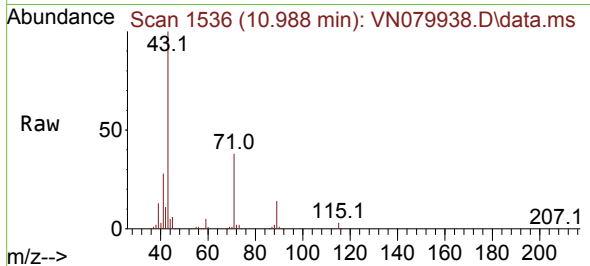




#56
Ethyl methacrylate
Concen: 0.542 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

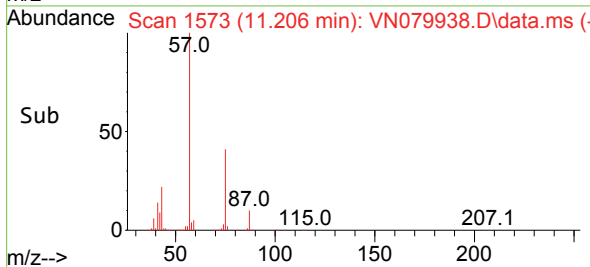
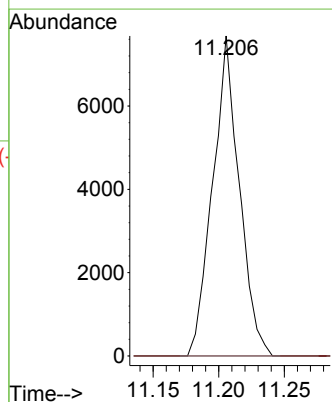
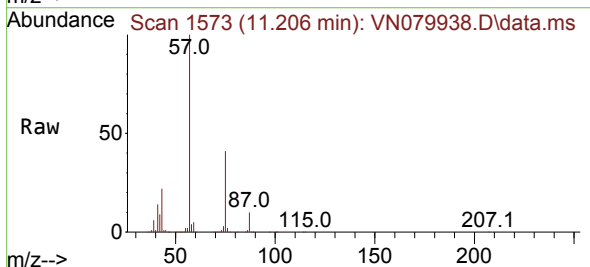
Instrument :
MSVOA_N
ClientSampleId :

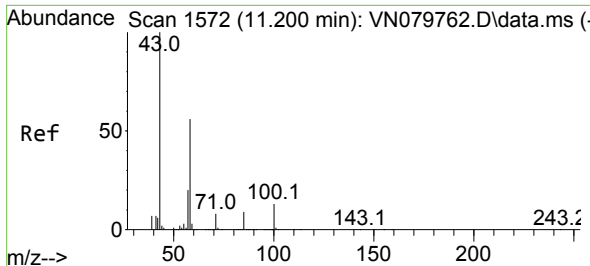
Tgt Ion: 69 Resp: 3346
Ion Ratio Lower Upper
69 100
41 3820.1 39.6 59.4#
39 1763.6 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.422 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 76 Resp: 10849
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

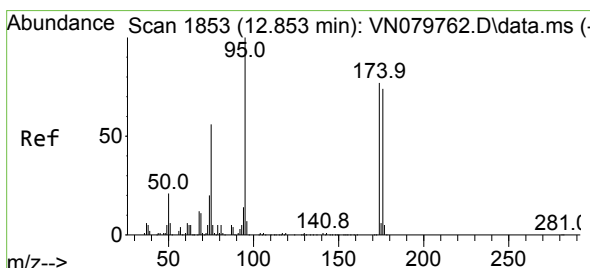
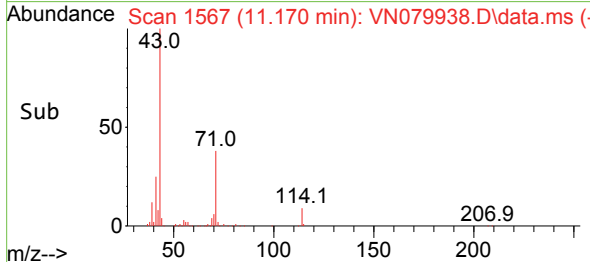
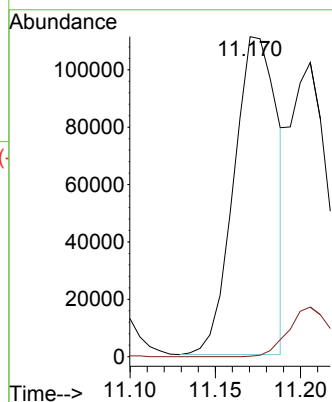
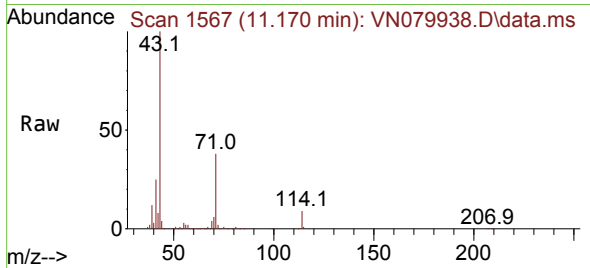




#59
2-Hexanone
Concen: 46.948 ug/l
RT: 11.170 min Scan# 11170
Delta R.T. -0.030 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

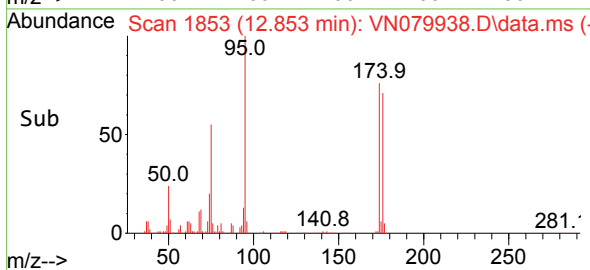
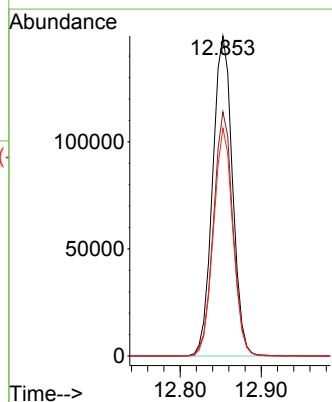
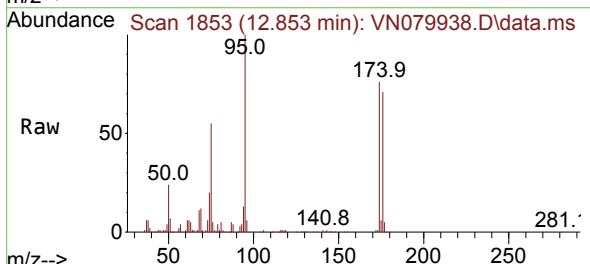
Instrument :
MSVOA_N
ClientSampleId :

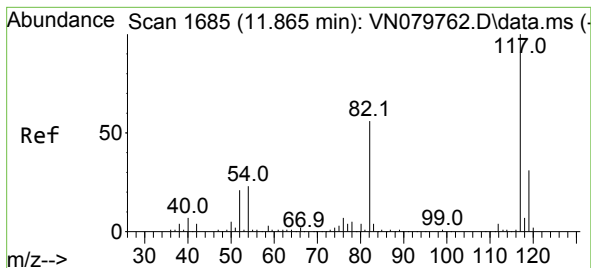
Tgt Ion: 43 Resp: 197107
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 48.835 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 95 Resp: 253097
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 69.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079938.D

Acq: 06 Nov 2023 21:20

Instrument :

MSVOA_N

ClientSampleId :

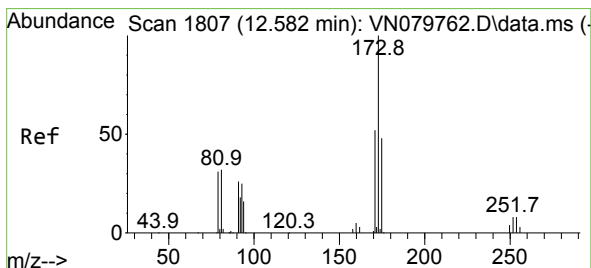
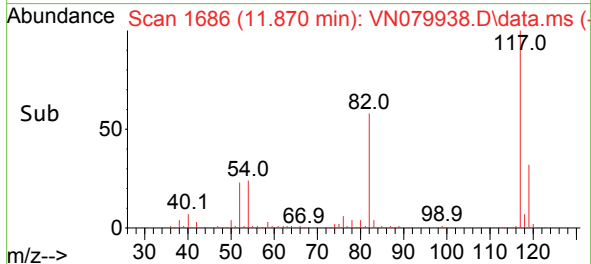
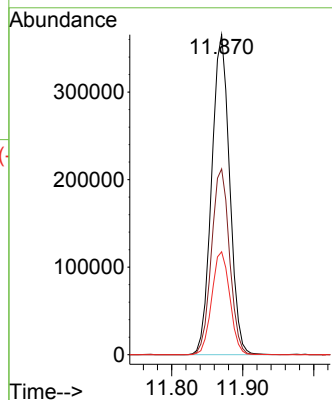
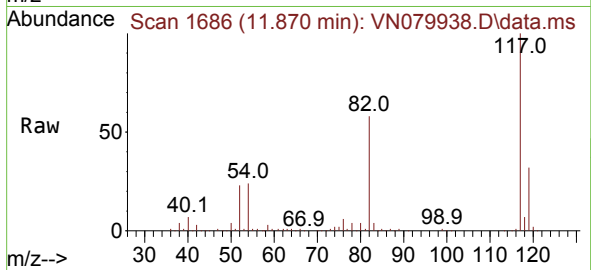
Tgt Ion:117 Resp: 641186

Ion Ratio Lower Upper

117 100

82 58.1 44.0 66.0

119 32.1 25.6 38.4



#71

Bromoform

Concen: 0.593 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN079938.D

Acq: 06 Nov 2023 21:20

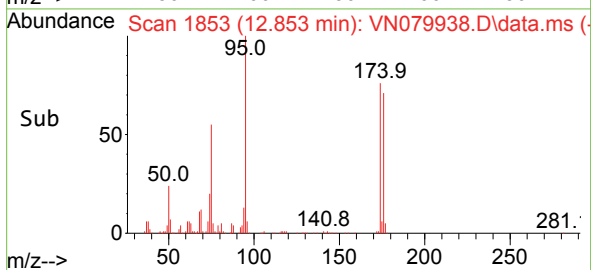
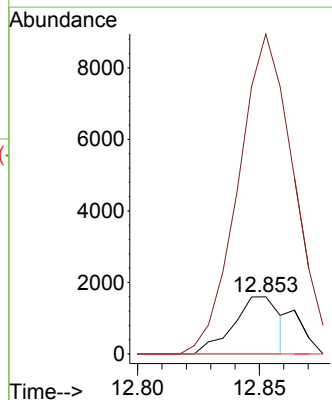
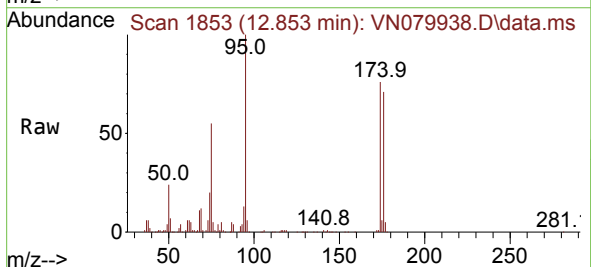
Tgt Ion:173 Resp: 2111

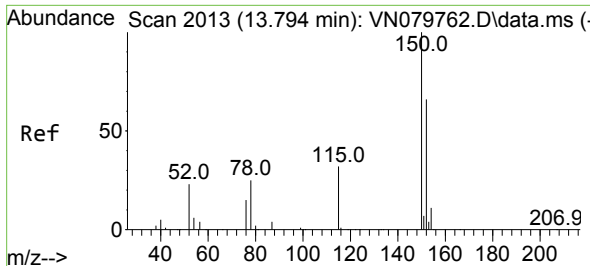
Ion Ratio Lower Upper

173 100

175 531.4 24.3 73.0#

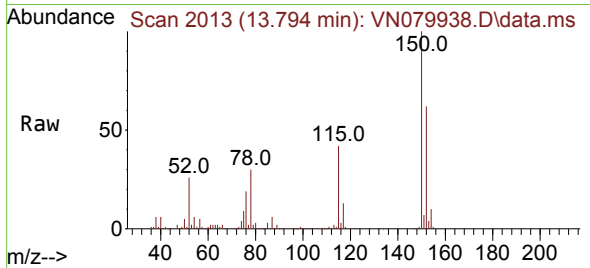
254 0.0 0.0 0.0



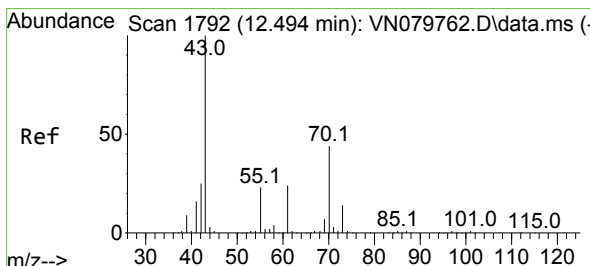
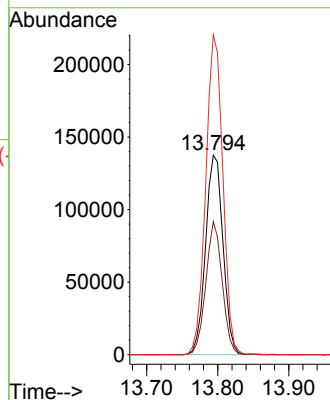
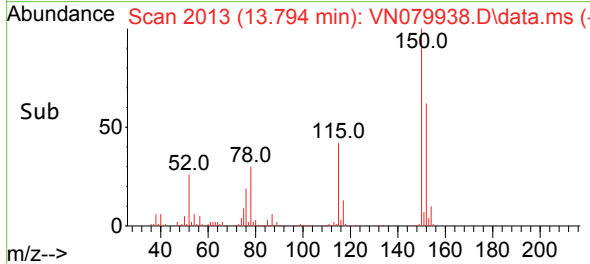


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Instrument :
MSVOA_N
ClientSampleId :

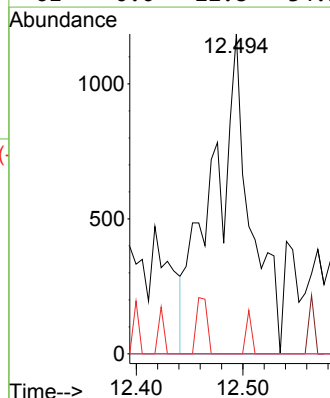
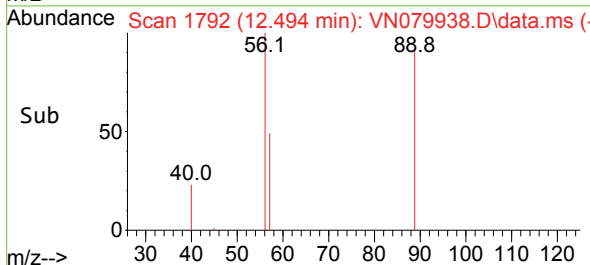
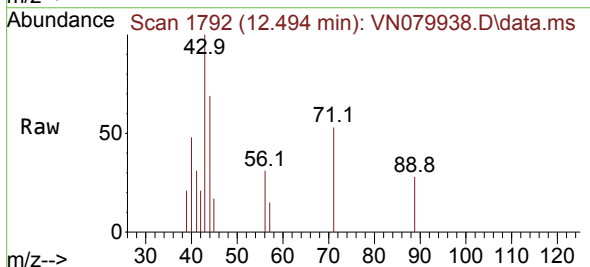


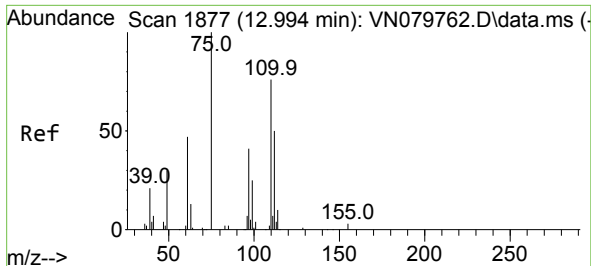
Tgt Ion:152 Resp: 234887
Ion Ratio Lower Upper
152 100
115 62.6 32.3 96.8
150 157.4 0.0 355.8



#74
N-ethyl acetate
Concen: 0.375 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 43 Resp: 2917
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

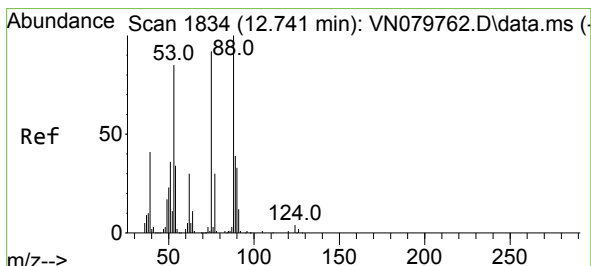
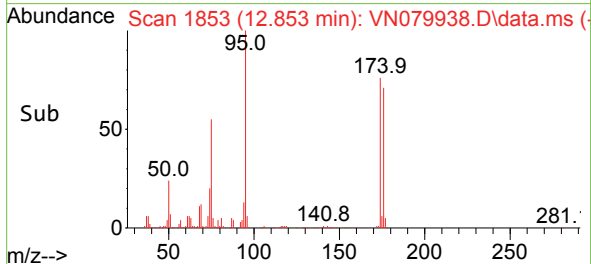
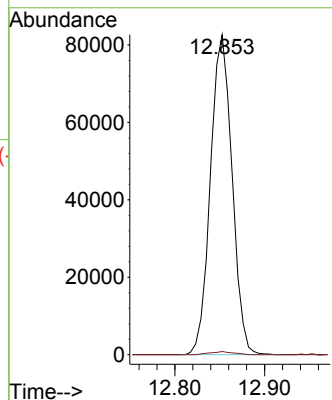
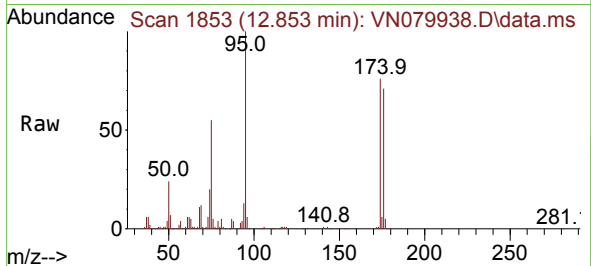




#76
1,2,3-Trichloropropane
Concen: 25.075 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 138274
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.223 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079938.D
Acq: 06 Nov 2023 21:20

Tgt Ion: 75 Resp: 138274
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

