

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079934.D
 Acq On : 06 Nov 2023 19:45
 Operator : JC\MD
 Sample : PB156885ZHE#17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:53:48 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)

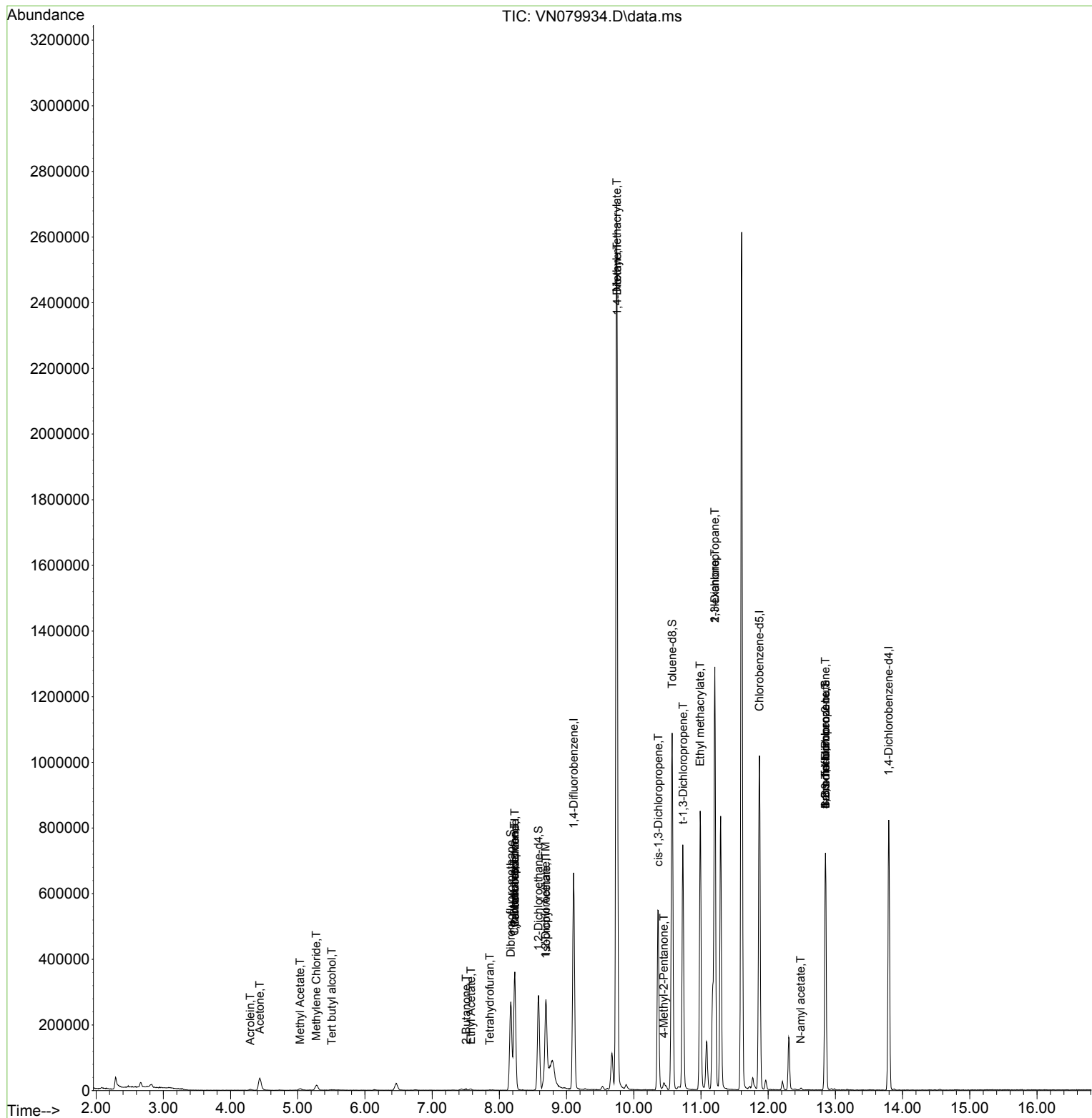
Internal Standards						
1) Pentafluorobenzene	8.229	168	245503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	537530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	576532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	238690	63.815	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 127.640%#			
35) Dibromofluoromethane	8.171	113	191807	50.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	10.570	98	728393	52.008	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.020%			
62) 4-Bromofluorobenzene	12.853	95	247896	53.369	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.740%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1039	Below Cal		89
11) Tert butyl alcohol	5.506	59	400	0.838 ug/l #		72
13) Acrolein	4.294	56	55	2.702 ug/l #		63
16) Acetone	4.436	43	69889	53.195 ug/l		93
18) Methyl Acetate	5.036	43	11493	1.828 ug/l #		64
20) Methylene Chloride	5.277	84	11473	3.461 ug/l #		85
25) 2-Butanone	7.506	43	6592	3.426 ug/l #		70
29) Tetrahydrofuran	7.859	42	780	0.623 ug/l #		48
31) Cyclohexane	8.224	56	6068	1.228 ug/l #		5
36) 1,1-Dichloropropene	8.224	75	23051	4.244 ug/l #		47
37) Ethyl Acetate	7.577	43	6582	1.321 ug/l #		85
38) Carbon Tetrachloride	8.229	117	26365	4.816 ug/l #		16
42) 1,2-Dichloroethane	8.688	62	2391	0.421 ug/l #		73
43) Isopropyl Acetate	8.694	43	347686	39.796 ug/l #		74
48) Methyl methacrylate	9.747	41	243818	63.714 ug/l #		29
49) 1,4-Dioxane	9.753	88	137	2.026 ug/l #		1
51) 4-Methyl-2-Pentanone	10.447	43	22052	4.483 ug/l #		70
53) t-1,3-Dichloropropene	10.735	75	1929	0.325 ug/l		92
54) cis-1,3-Dichloropropene	10.365	75	92106	14.237 ug/l #		74
56) Ethyl methacrylate	10.988	69	4402	0.795 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	12462	1.822 ug/l #		42
59) 2-Hexanone	11.206	43	155782	41.401 ug/l #		50
71) Bromoform	12.853	173	1858	0.581 ug/l #		1
74) N-amyl acetate	12.482	43	1732	0.249 ug/l #		48
76) 1,2,3-Trichloropropane	12.853	75	134799	27.315 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	134799	74.319 ug/l #		15

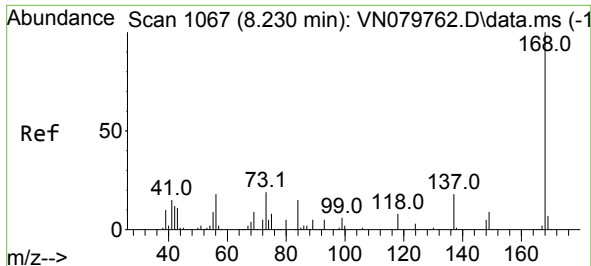
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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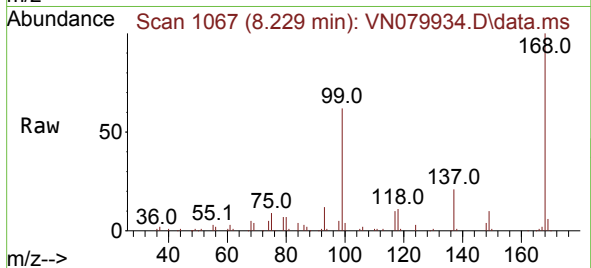
Quant Time: Nov 07 04:53:48 2023
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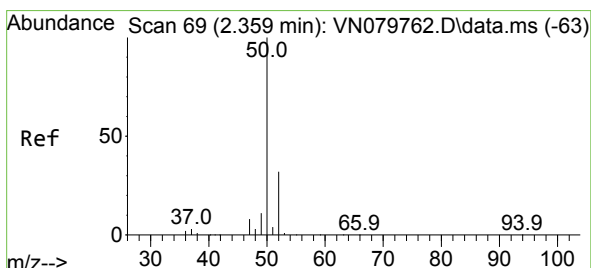
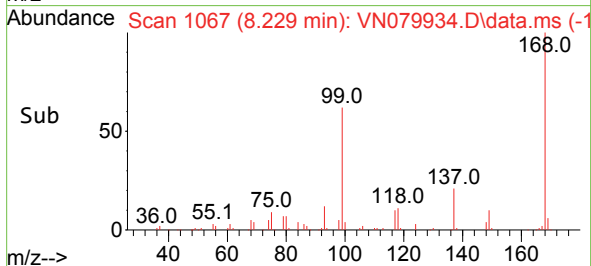
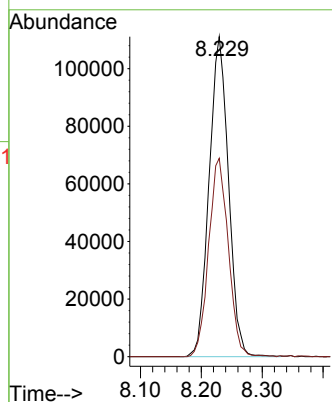


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

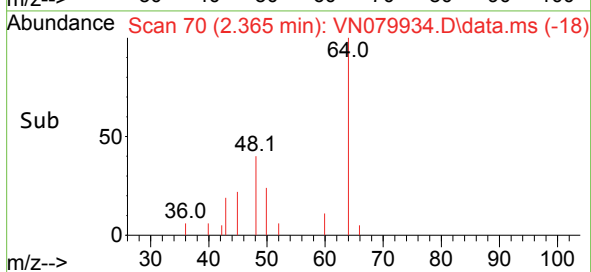
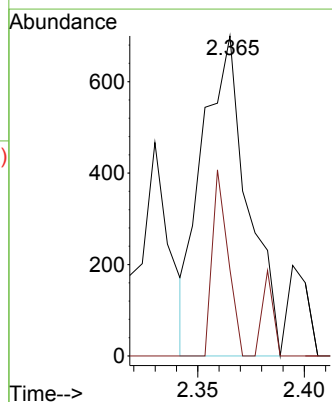
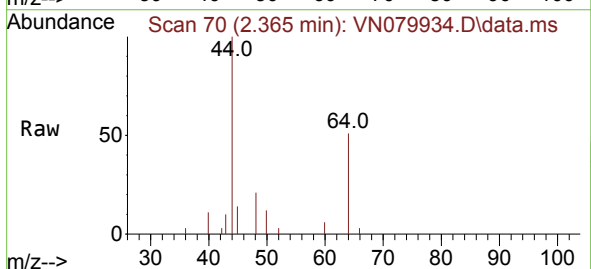


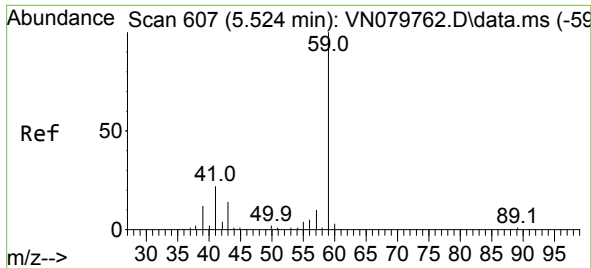
Tgt Ion:168 Resp: 245503
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion: 50 Resp: 1039
Ion Ratio Lower Upper
50 100
52 27.0 26.5 39.7

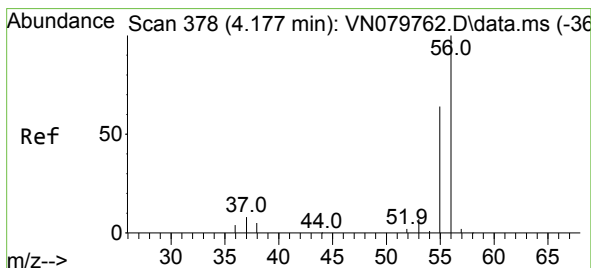
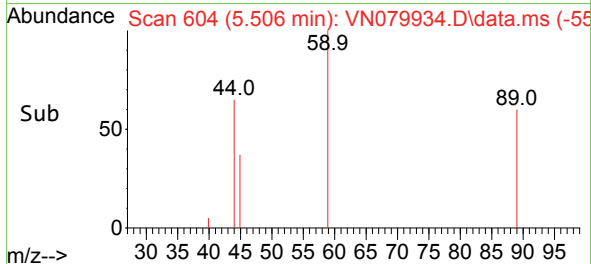
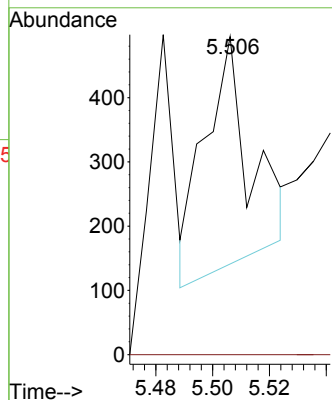
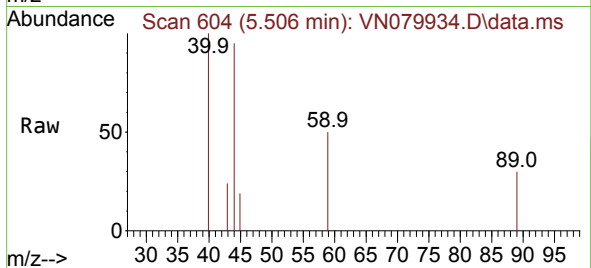




#11
Tert butyl alcohol
Concen: 0.838 ug/l
RT: 5.506 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

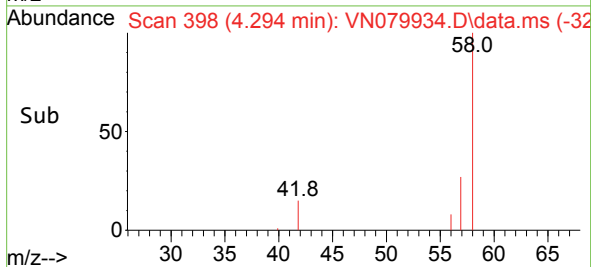
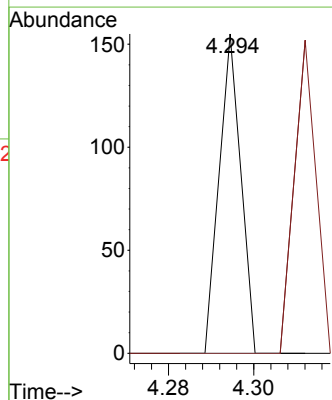
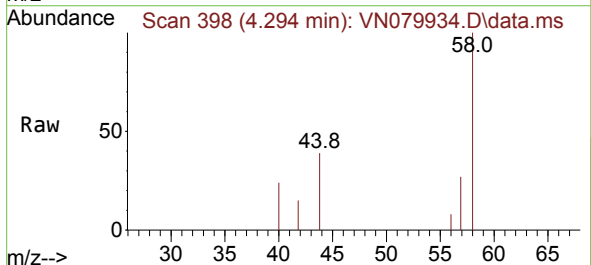
Instrument :
MSVOA_N
ClientSampleId :

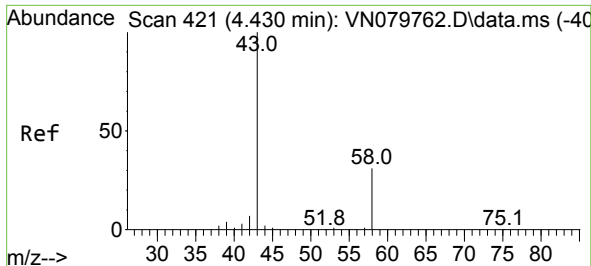
Tgt Ion: 59 Resp: 400
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.702 ug/l
RT: 4.294 min Scan# 398
Delta R.T. 0.111 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 98.2 54.5 81.7#

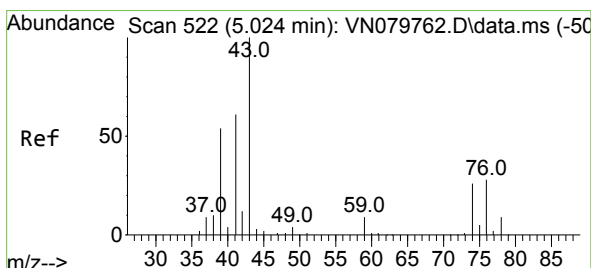
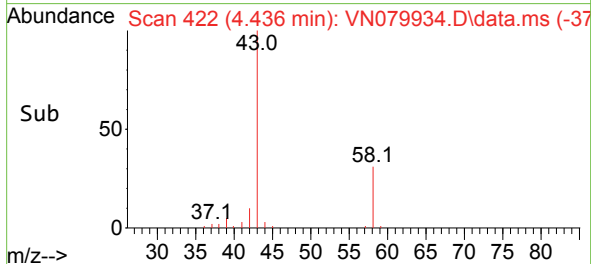
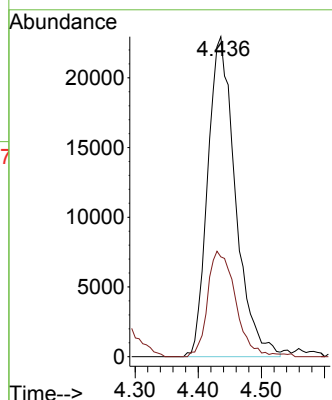
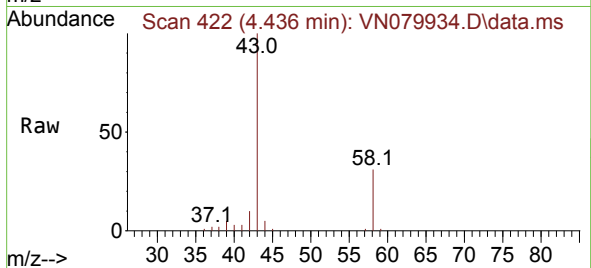




#16
Acetone
Concen: 53.195 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

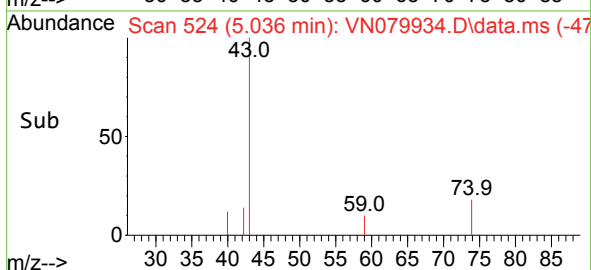
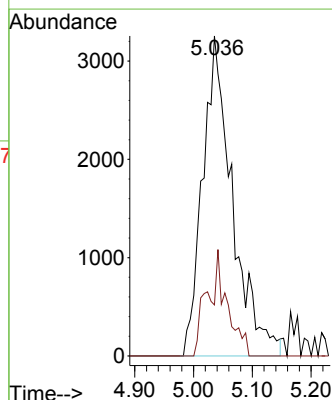
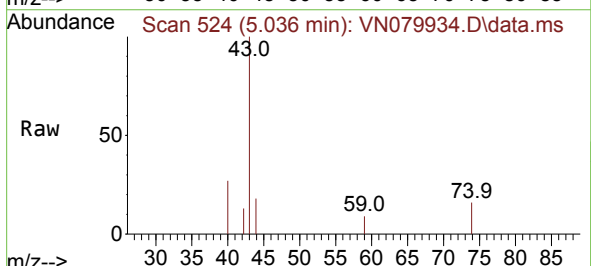
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 69889
Ion Ratio Lower Upper
43 100
58 31.2 28.0 42.0



#18
Methyl Acetate
Concen: 1.828 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

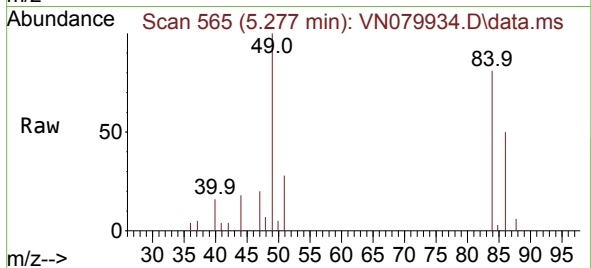
Tgt Ion: 43 Resp: 11493
Ion Ratio Lower Upper
43 100
74 12.3 26.2 39.4#



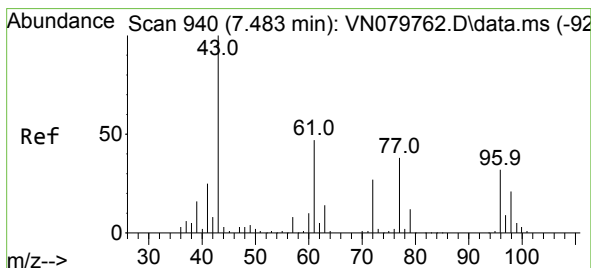
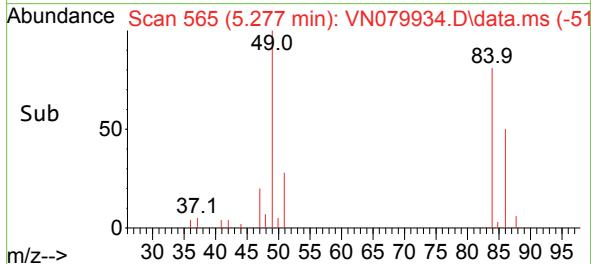
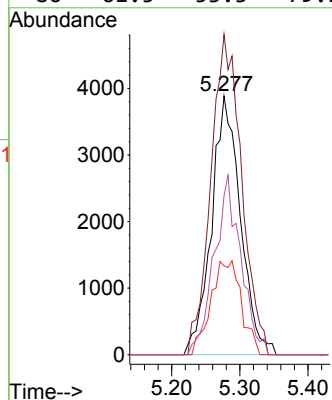


#20
Methylene Chloride
Concen: 3.461 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

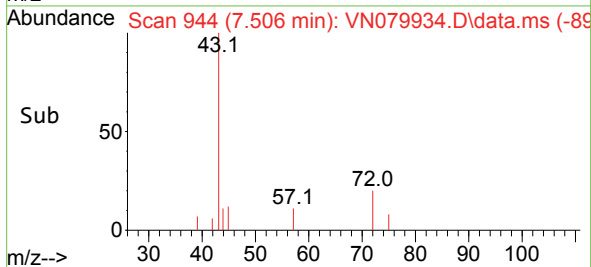
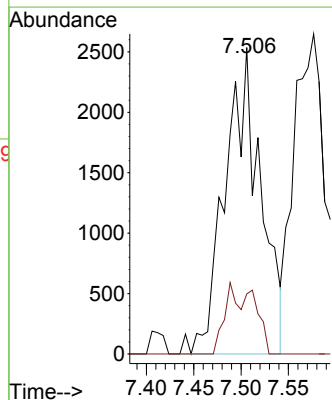
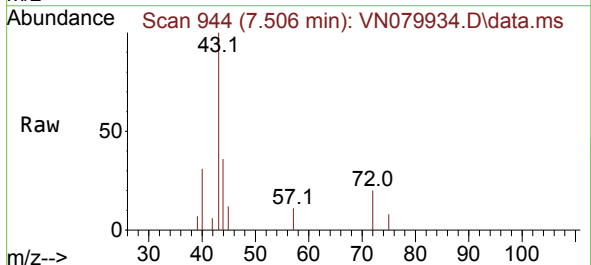


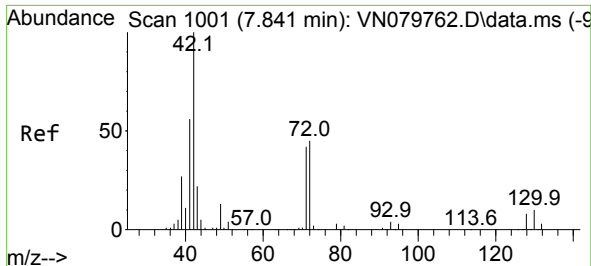
Tgt Ion:	84	Resp:	11473
Ion	Ratio	Lower	Upper
84	100		
49	123.7	79.7	119.5#
51	34.3	25.2	37.8
86	61.5	53.3	79.9



#25
2-Butanone
Concen: 3.426 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion:	43	Resp:	6592
Ion	Ratio	Lower	Upper
43	100		
72	19.6	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.623 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

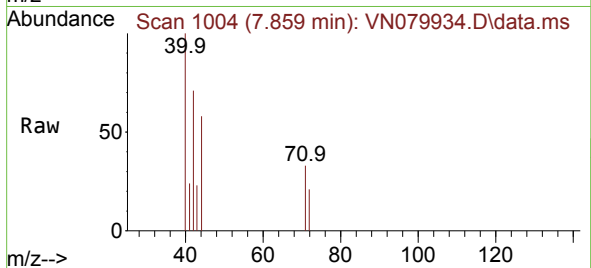
Lab File: VN079934.D

Acq: 06 Nov 2023 19:45

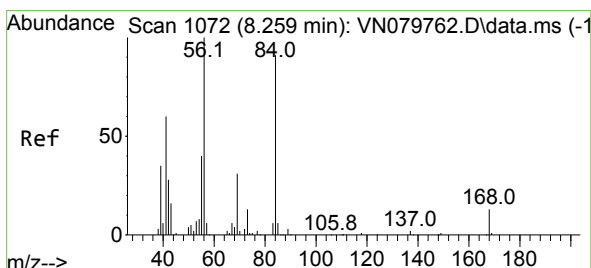
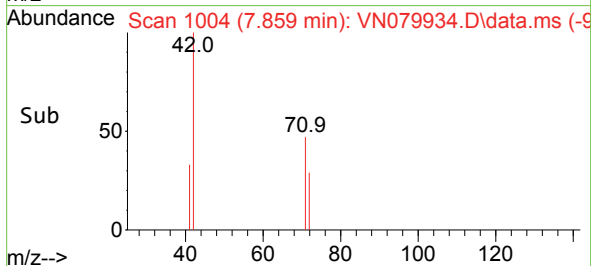
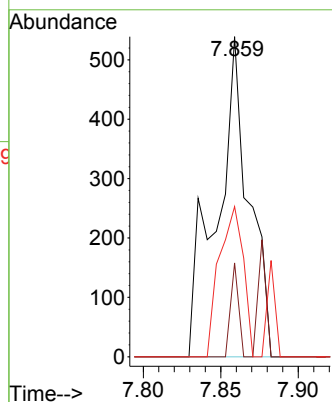
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	780
Ion Ratio	Lower	Upper	
42	100		
72	7.2	49.8	74.6#
71	35.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.228 ug/l

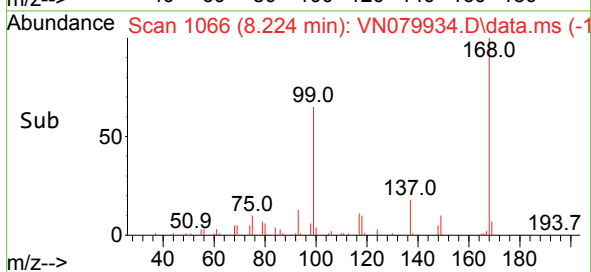
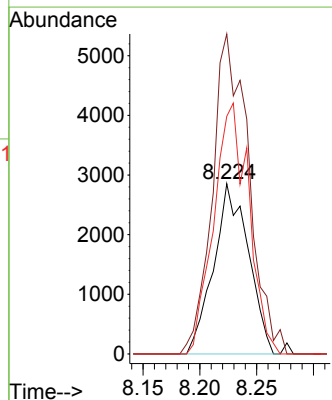
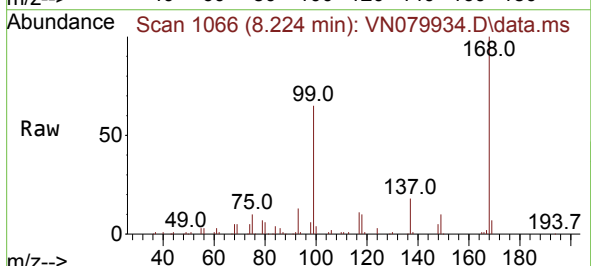
RT: 8.224 min Scan# 1066

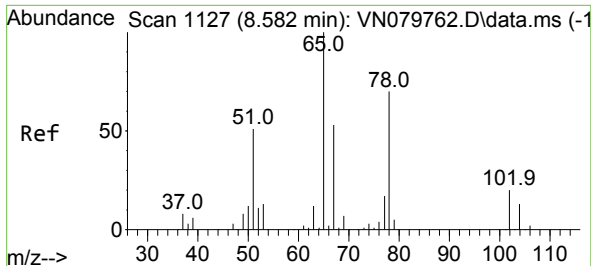
Delta R.T. -0.035 min

Lab File: VN079934.D

Acq: 06 Nov 2023 19:45

Tgt Ion:	56	Resp:	6068
Ion Ratio	Lower	Upper	
56	100		
69	188.0	26.8	40.2#
84	139.6	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 63.815 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079934.D

Acq: 06 Nov 2023 19:45

Instrument :

MSVOA_N

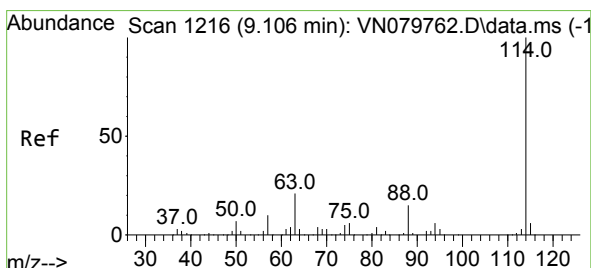
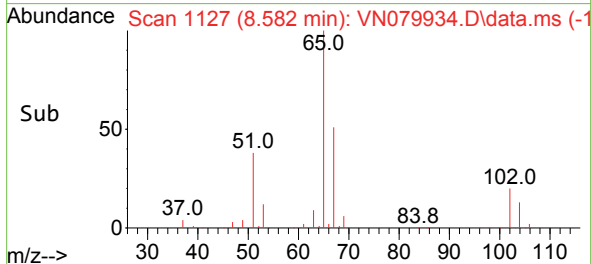
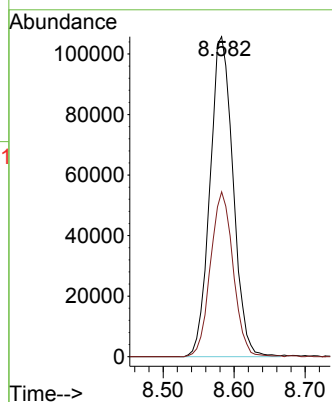
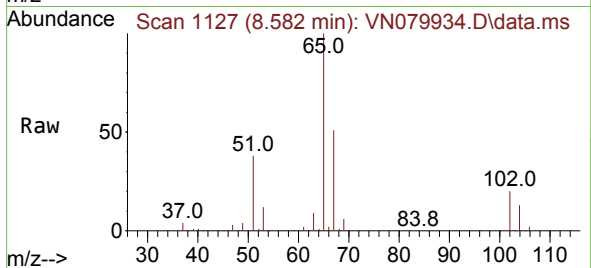
ClientSampleId :

Tgt Ion: 65 Resp: 238690

Ion Ratio Lower Upper

65 100

67 50.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079934.D

Acq: 06 Nov 2023 19:45

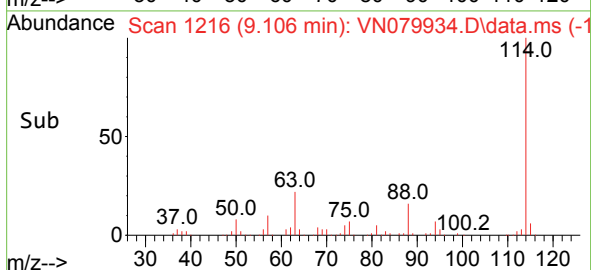
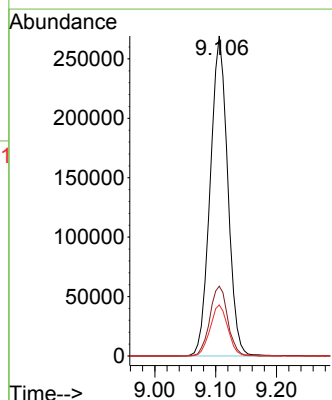
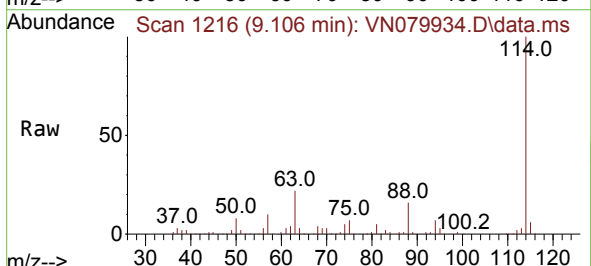
Tgt Ion: 114 Resp: 537530

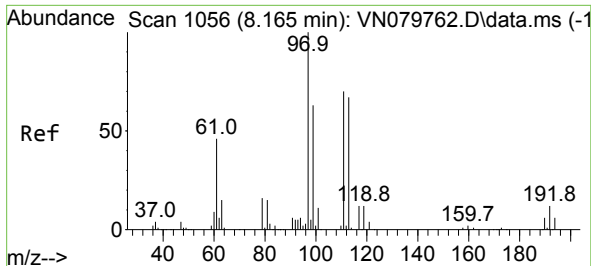
Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

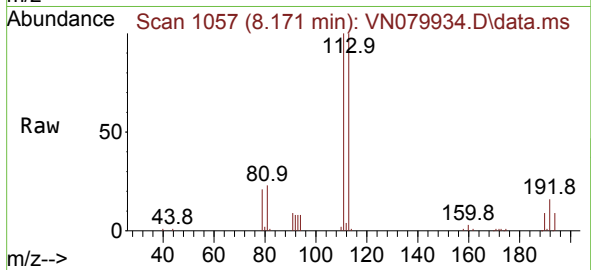
88 15.9 0.0 30.6



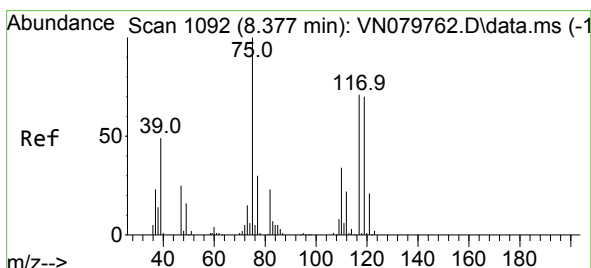
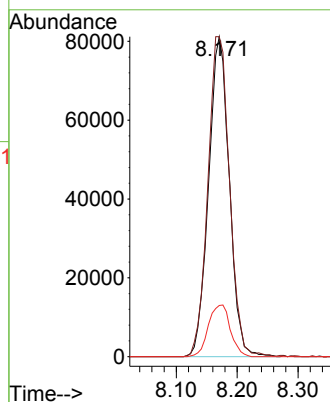
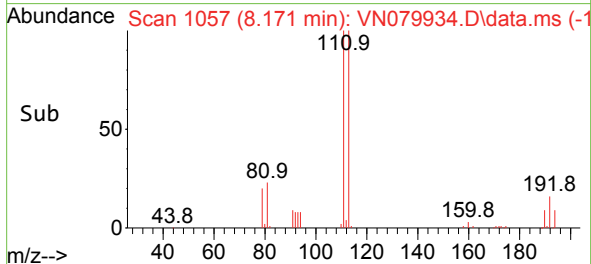


#35
Dibromofluoromethane
Concen: 50.417 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

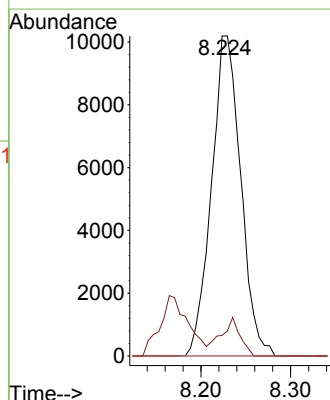
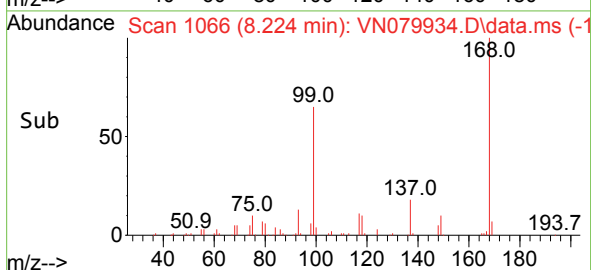
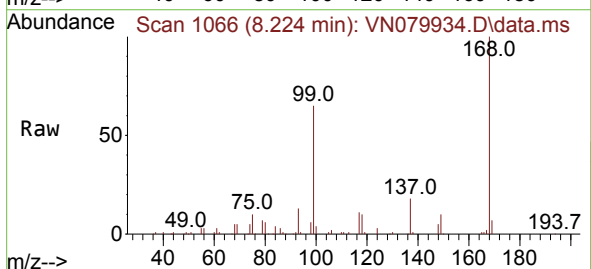


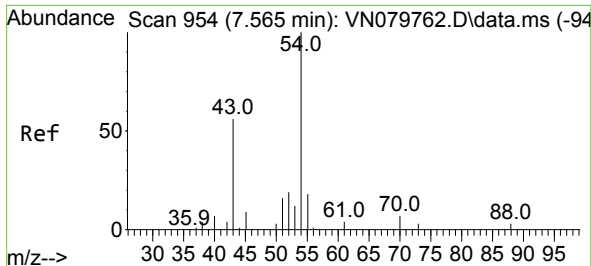
Tgt Ion:113 Resp: 191807
Ion Ratio Lower Upper
113 100
111 104.5 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.244 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

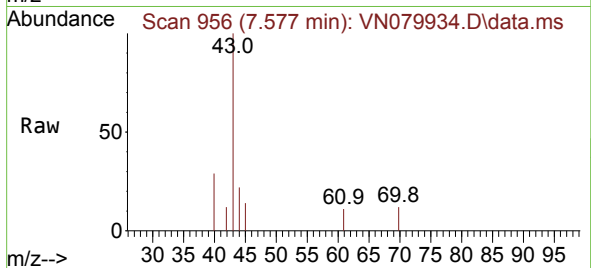
Tgt Ion: 75 Resp: 23051
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#



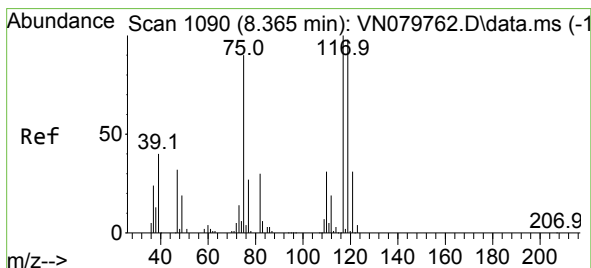
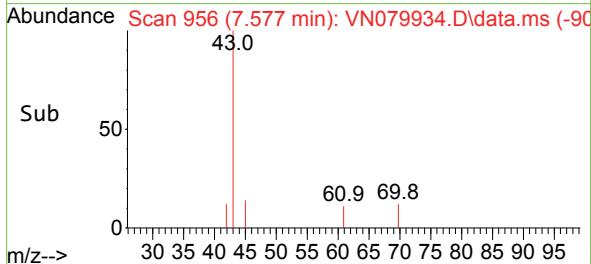
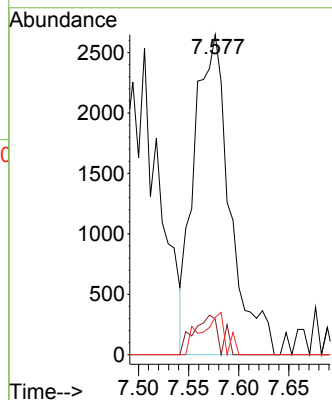


#37
Ethyl Acetate
Concen: 1.321 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

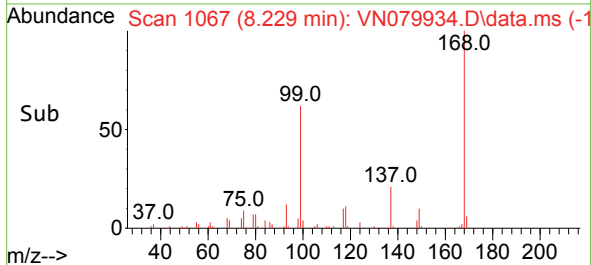
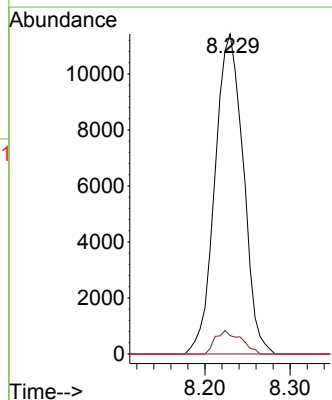
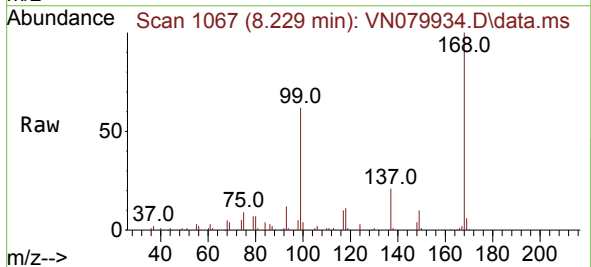


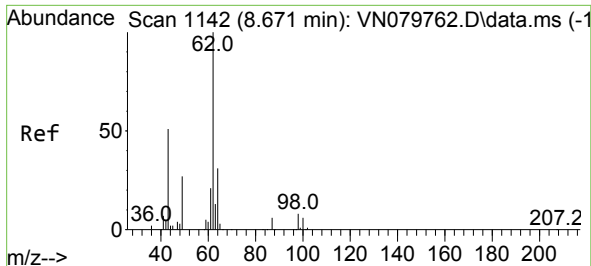
Tgt Ion: 43 Resp: 6582
Ion Ratio Lower Upper
43 100
61 9.2 13.2 19.8#
70 9.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.816 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion: 117 Resp: 26365
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.421 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN079934.D

Acq: 06 Nov 2023 19:45

Instrument :

MSVOA_N

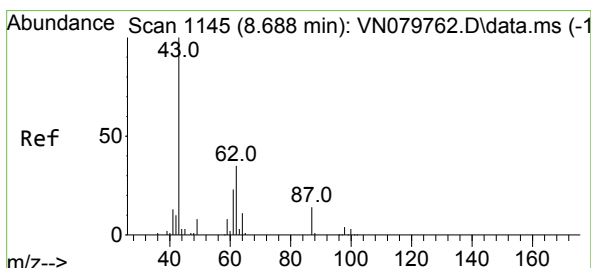
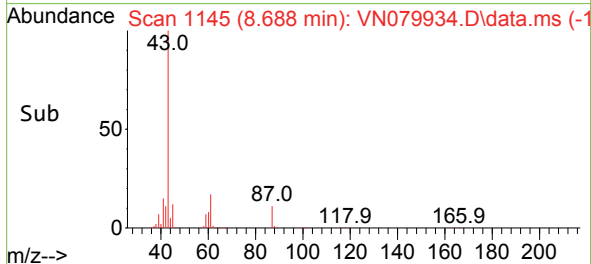
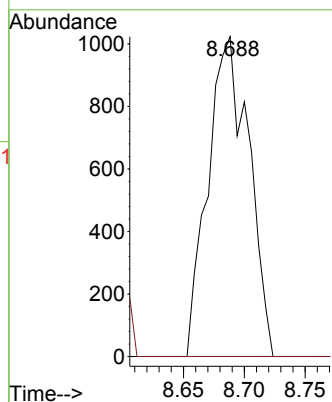
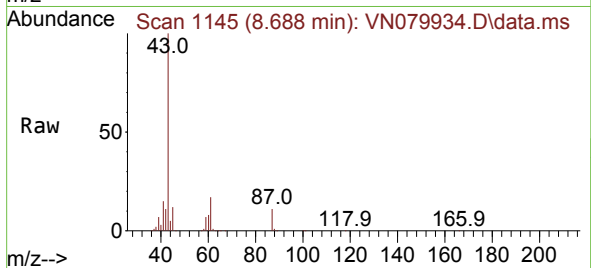
ClientSampleId :

Tgt Ion: 62 Resp: 2391

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 39.796 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079934.D

Acq: 06 Nov 2023 19:45

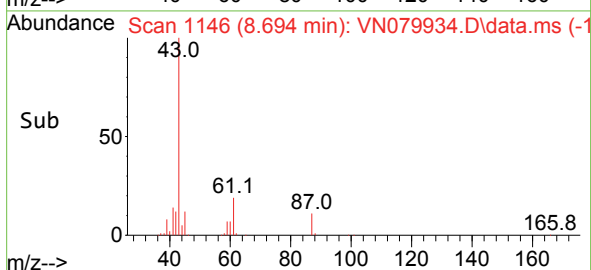
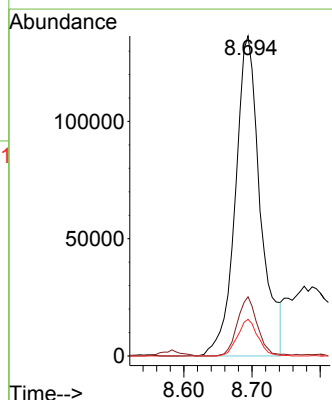
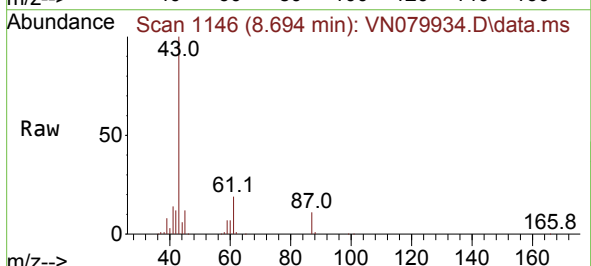
Tgt Ion: 43 Resp: 347686

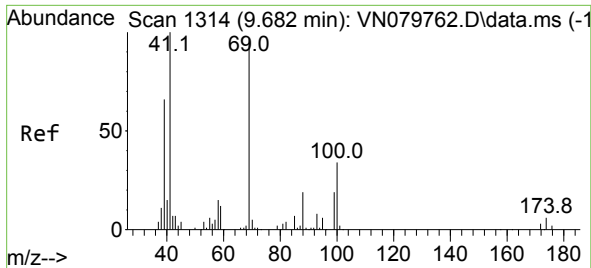
Ion Ratio Lower Upper

43 100

61 15.0 24.7 37.1#

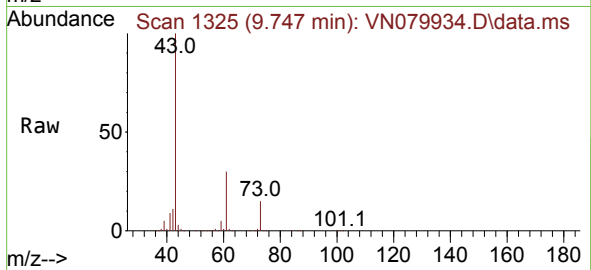
87 9.3 14.6 21.8#



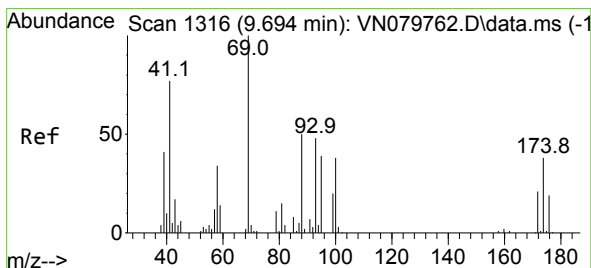
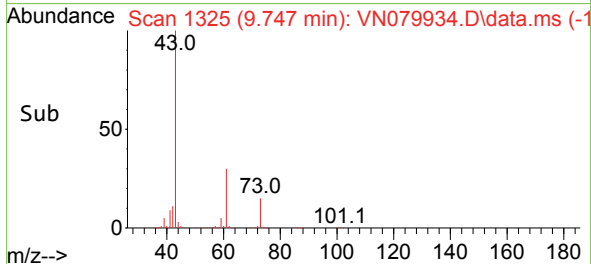
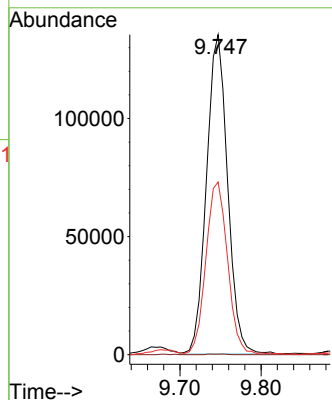


#48
Methyl methacrylate
Concen: 63.714 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

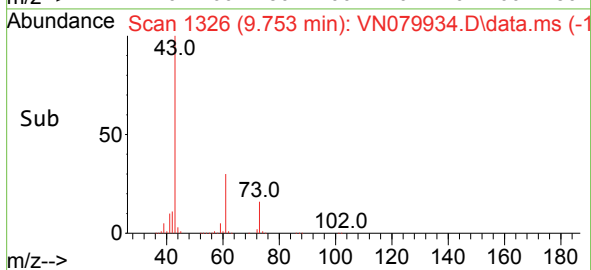
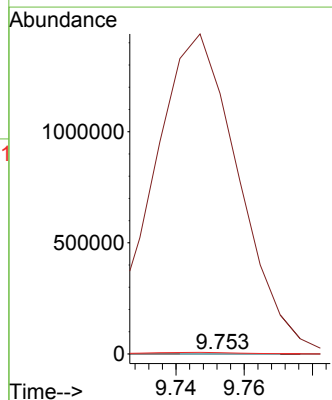
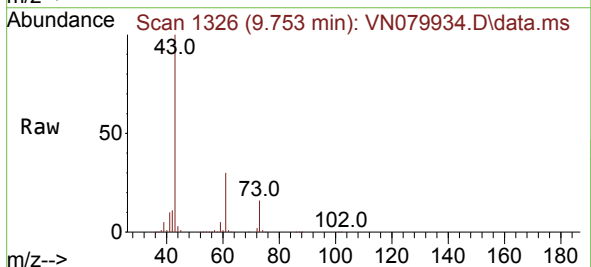


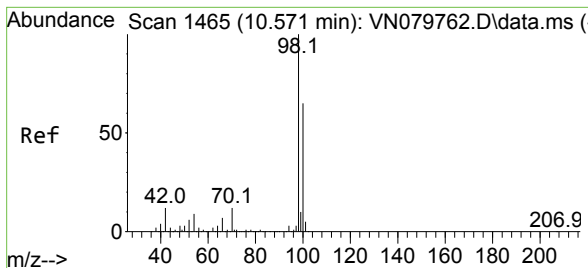
Tgt Ion: 41 Resp: 243818
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 56.1 54.6 81.8



#49
1,4-Dioxane
Concen: 2.026 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 1859097.1 17.0 25.6#
58 10431.4 47.0 70.4#

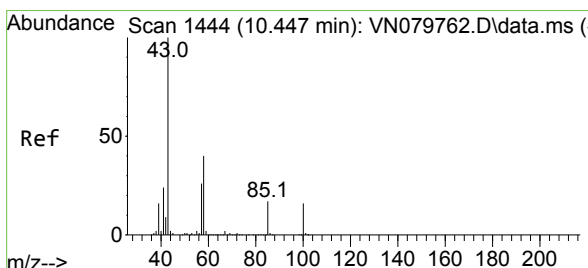
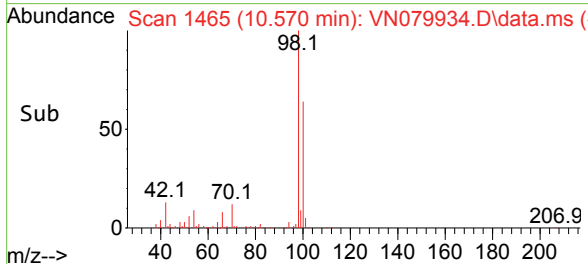
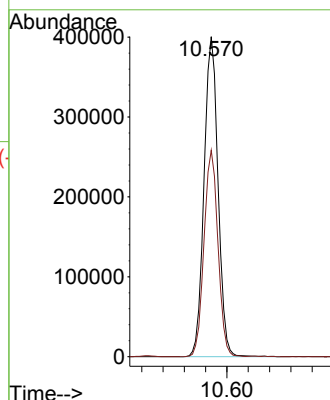
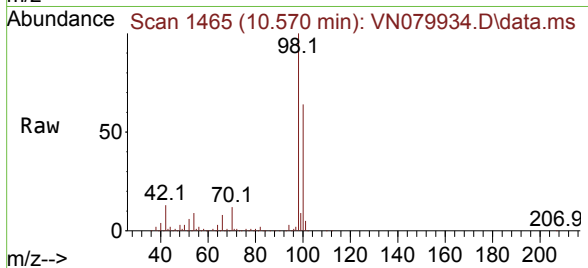




#50
Toluene-d8
Concen: 52.008 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

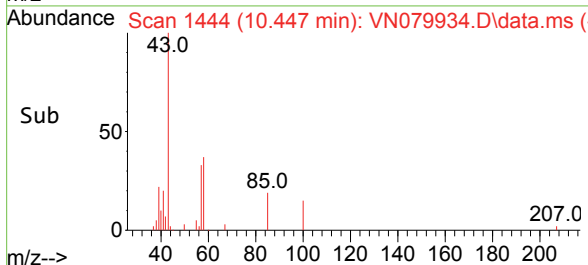
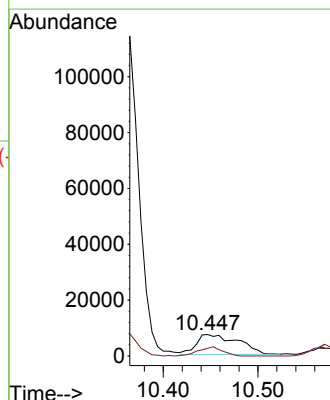
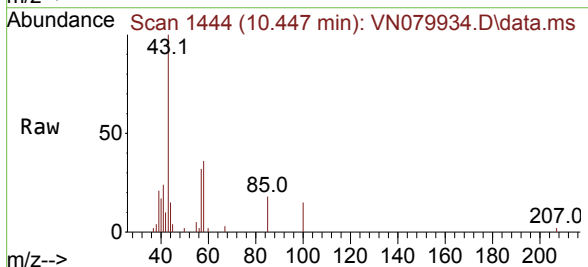
Instrument :
MSVOA_N
ClientSampleId :

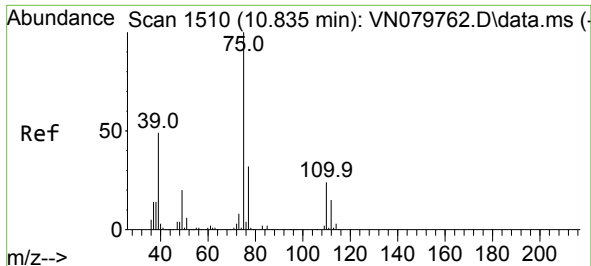
Tgt Ion: 98 Resp: 728393
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.483 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion: 43 Resp: 22052
Ion Ratio Lower Upper
43 100
58 25.9 36.6 54.8#

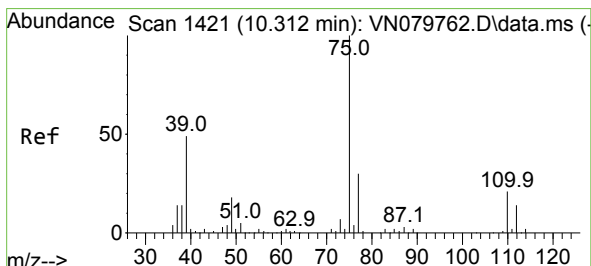
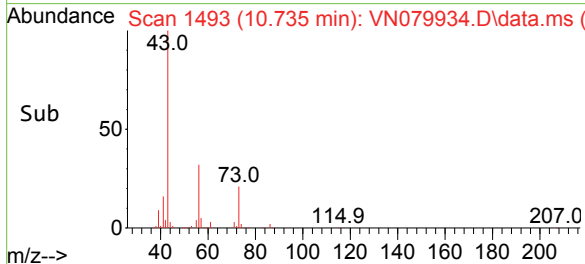
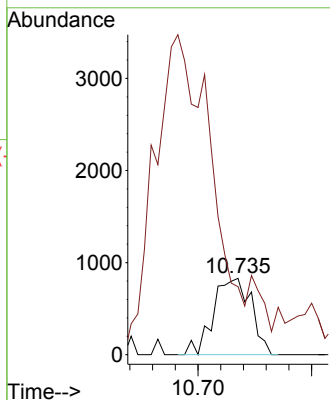
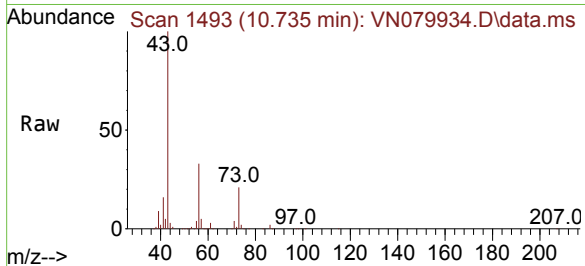




#53
t-1,3-Dichloropropene
Concen: 0.325 ug/l
RT: 10.735 min Scan# 14
Delta R.T. -0.106 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

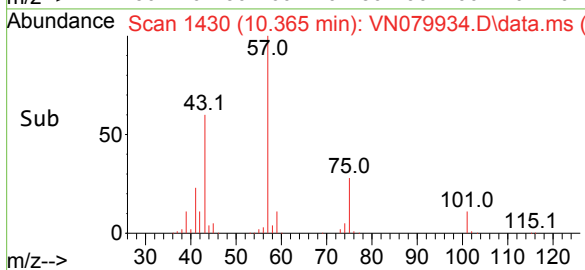
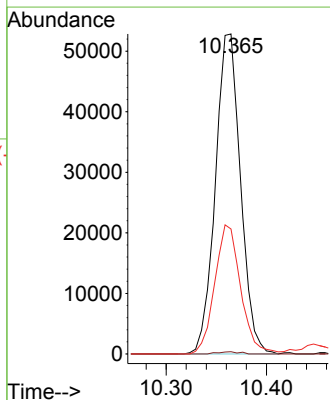
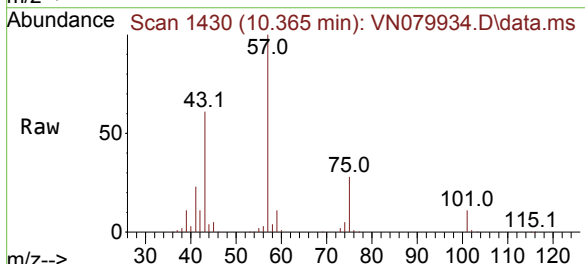
Instrument :
MSVOA_N
ClientSampleId :

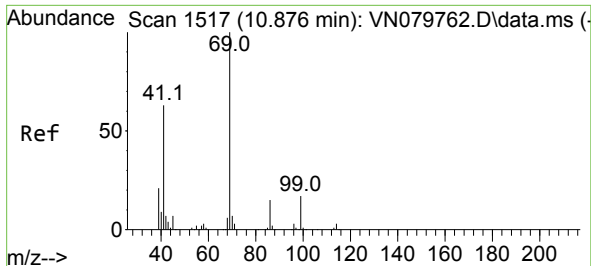
Tgt Ion: 75 Resp: 1929
Ion Ratio Lower Upper
75 100
77 27.1 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 14.237 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion: 75 Resp: 92106
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 39.0 31.6 47.4

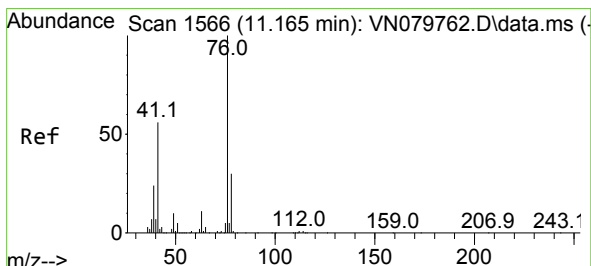
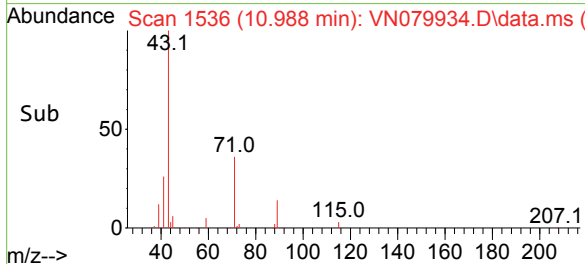
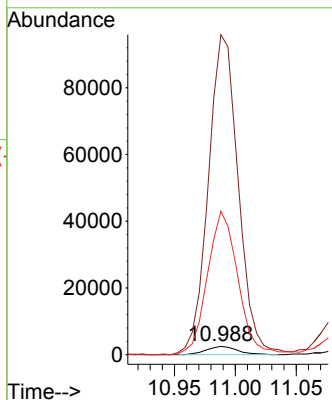
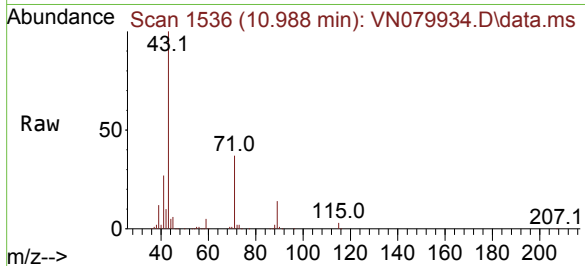




#56
Ethyl methacrylate
Concen: 0.795 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

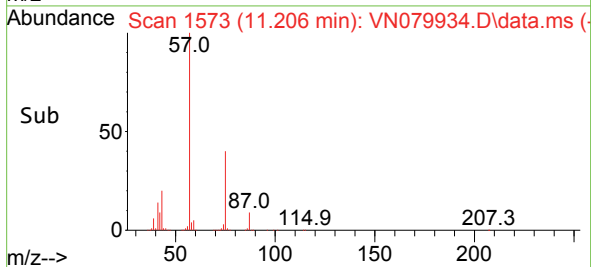
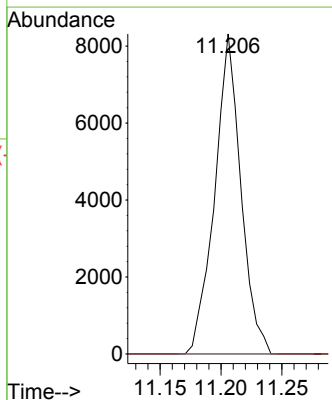
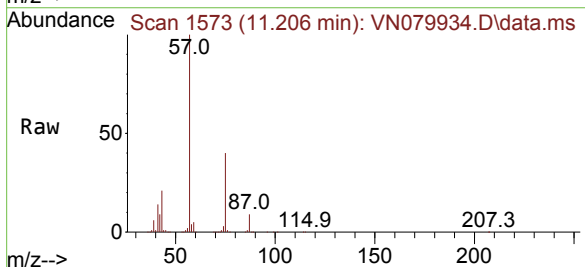
Instrument :
MSVOA_N
ClientSampleId :

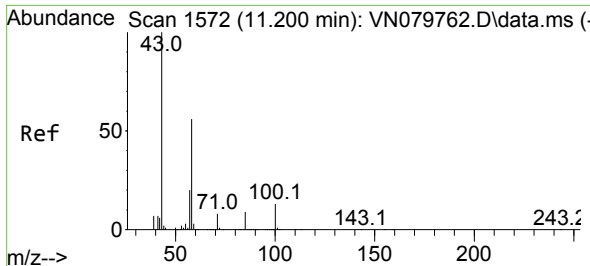
Tgt Ion: 69 Resp: 4402
Ion Ratio Lower Upper
69 100
41 3741.5 39.6 59.4#
39 1695.7 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.822 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion: 76 Resp: 12462
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

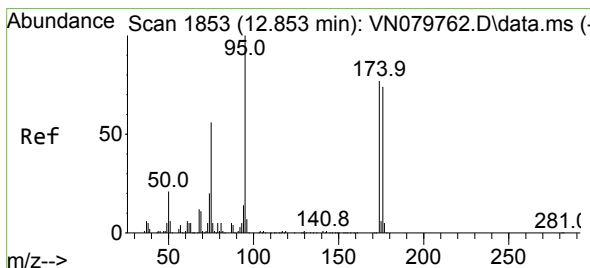
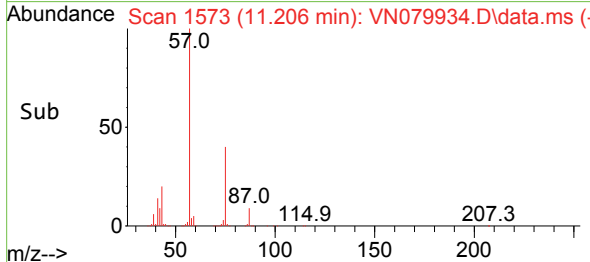
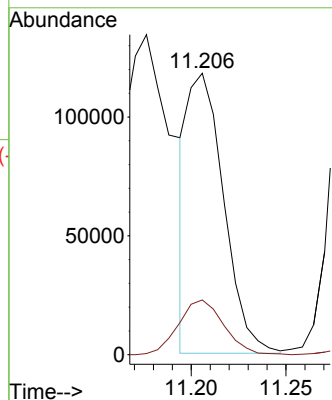
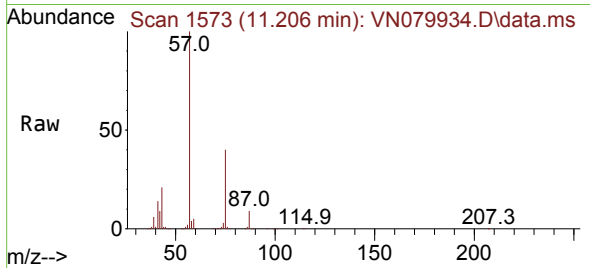




#59
2-Hexanone
Concen: 41.401 ug/l
RT: 11.206 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

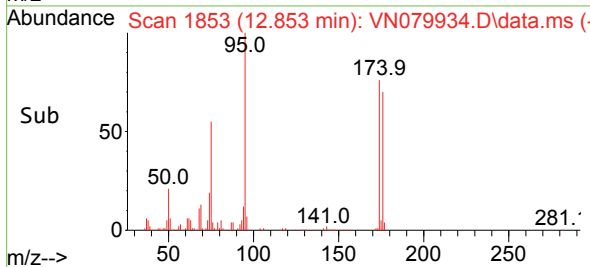
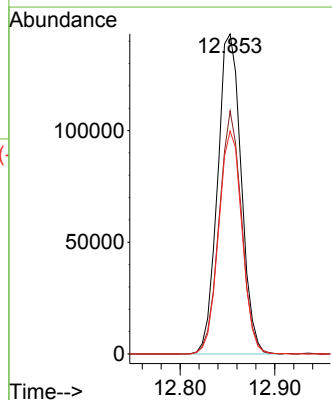
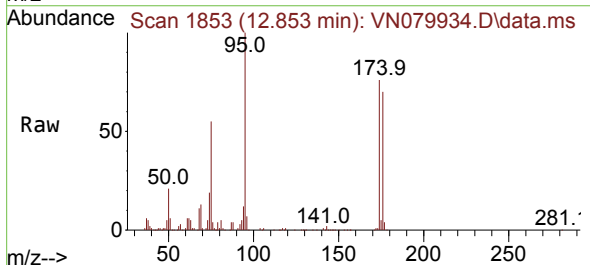
Instrument :
MSVOA_N
ClientSampleId :

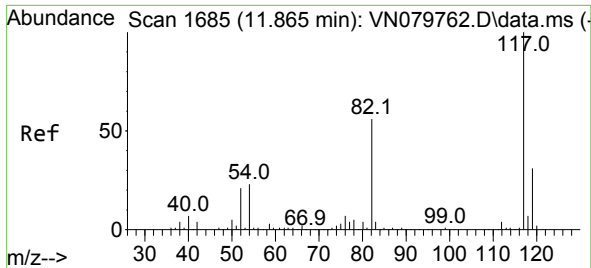
Tgt Ion: 43 Resp: 155782
Ion Ratio Lower Upper
43 100
58 24.6 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.369 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

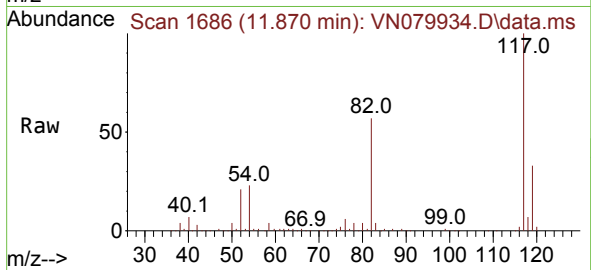
Tgt Ion: 95 Resp: 247896
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.8
176 69.0 0.0 135.8



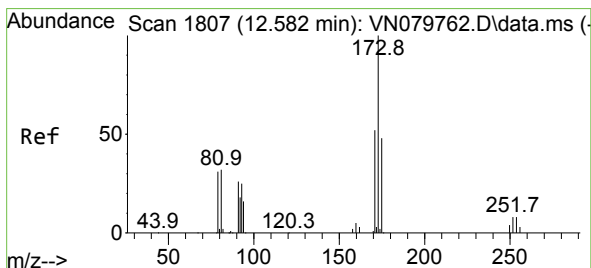
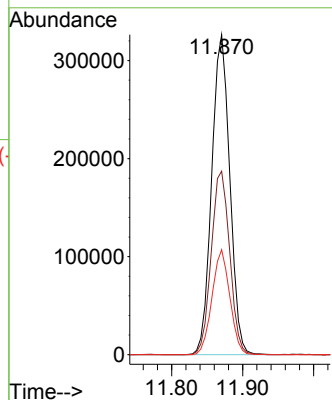
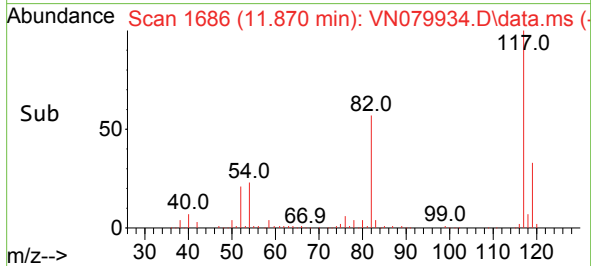


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

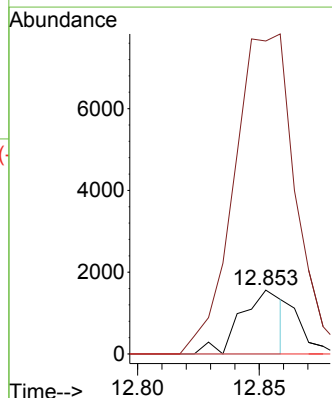
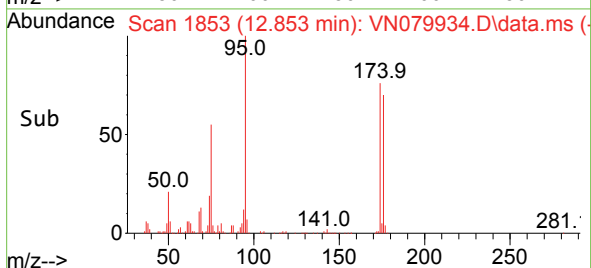
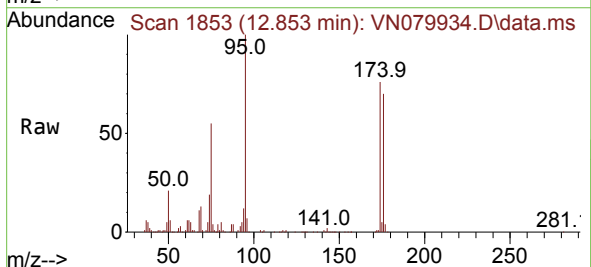


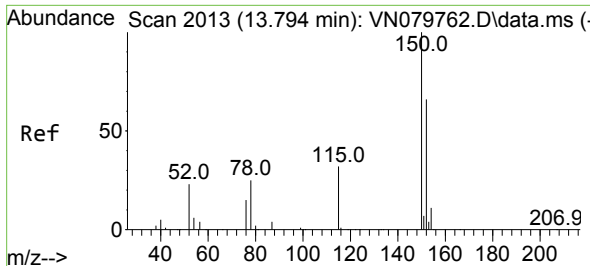
Tgt Ion:117 Resp: 576532
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 32.8 25.6 38.4



#71
Bromoform
Concen: 0.581 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

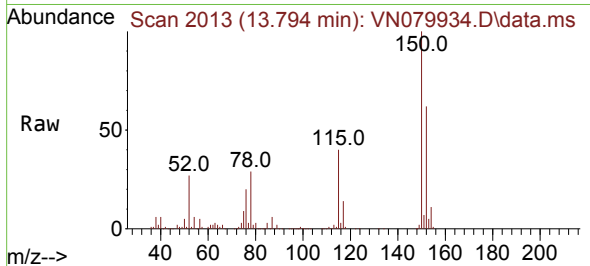
Tgt Ion:173 Resp: 1858
Ion Ratio Lower Upper
173 100
175 452.2 24.3 73.0#
254 0.0 0.0 0.0



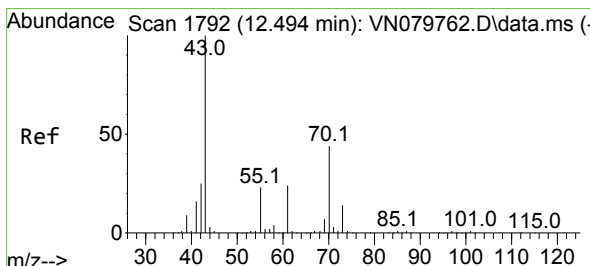
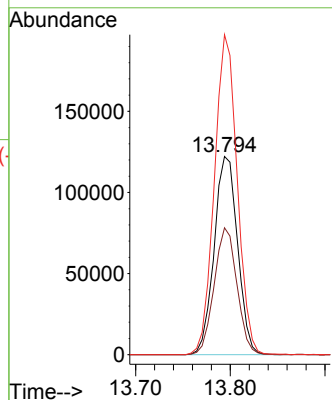
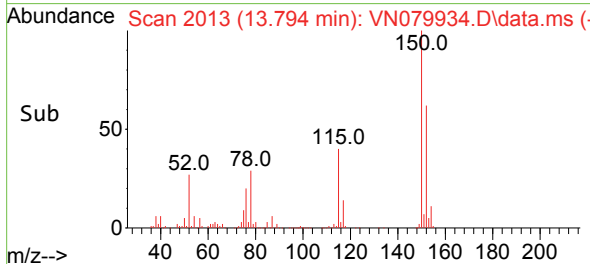


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

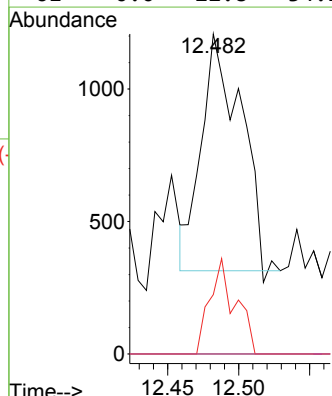
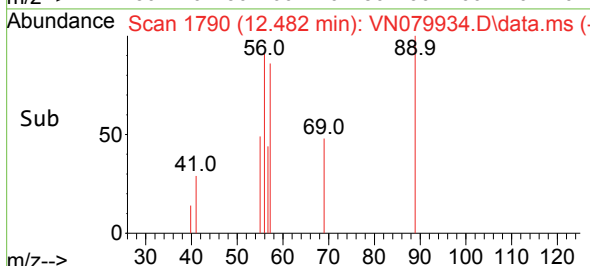
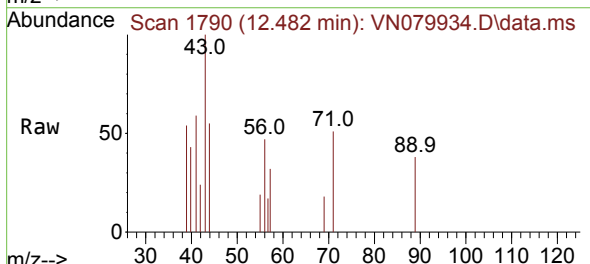


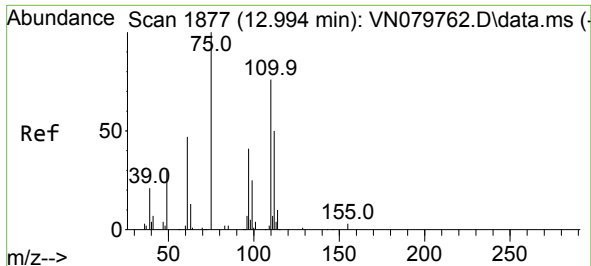
Tgt Ion:152 Resp: 210202
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 157.2 0.0 355.8



#74
N-ethyl acetate
Concen: 0.249 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 26.2 21.4 32.0
61 0.0 22.8 34.2#

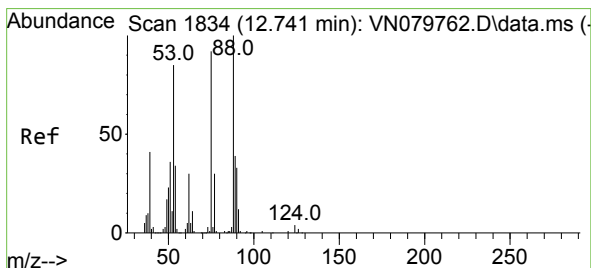
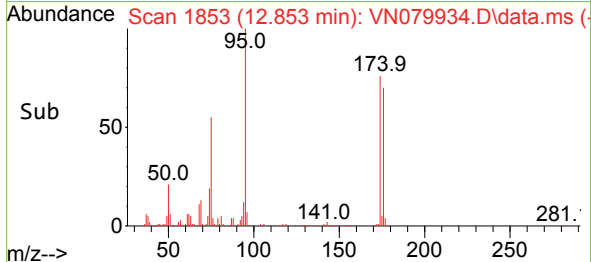
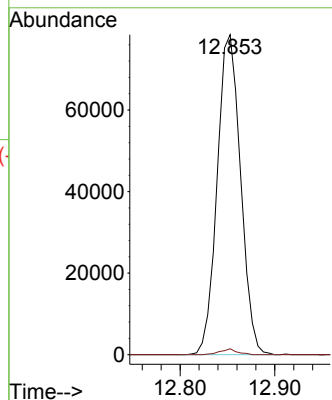
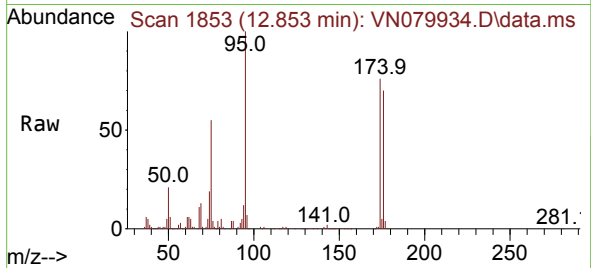




#76
1,2,3-Trichloropropane
Concen: 27.315 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 134799
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.319 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079934.D
Acq: 06 Nov 2023 19:45

Tgt Ion: 75 Resp: 134799
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

