

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079949.D
 Acq On : 07 Nov 2023 06:29
 Operator : JC\MD
 Sample : 05257-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 06:56:07 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)

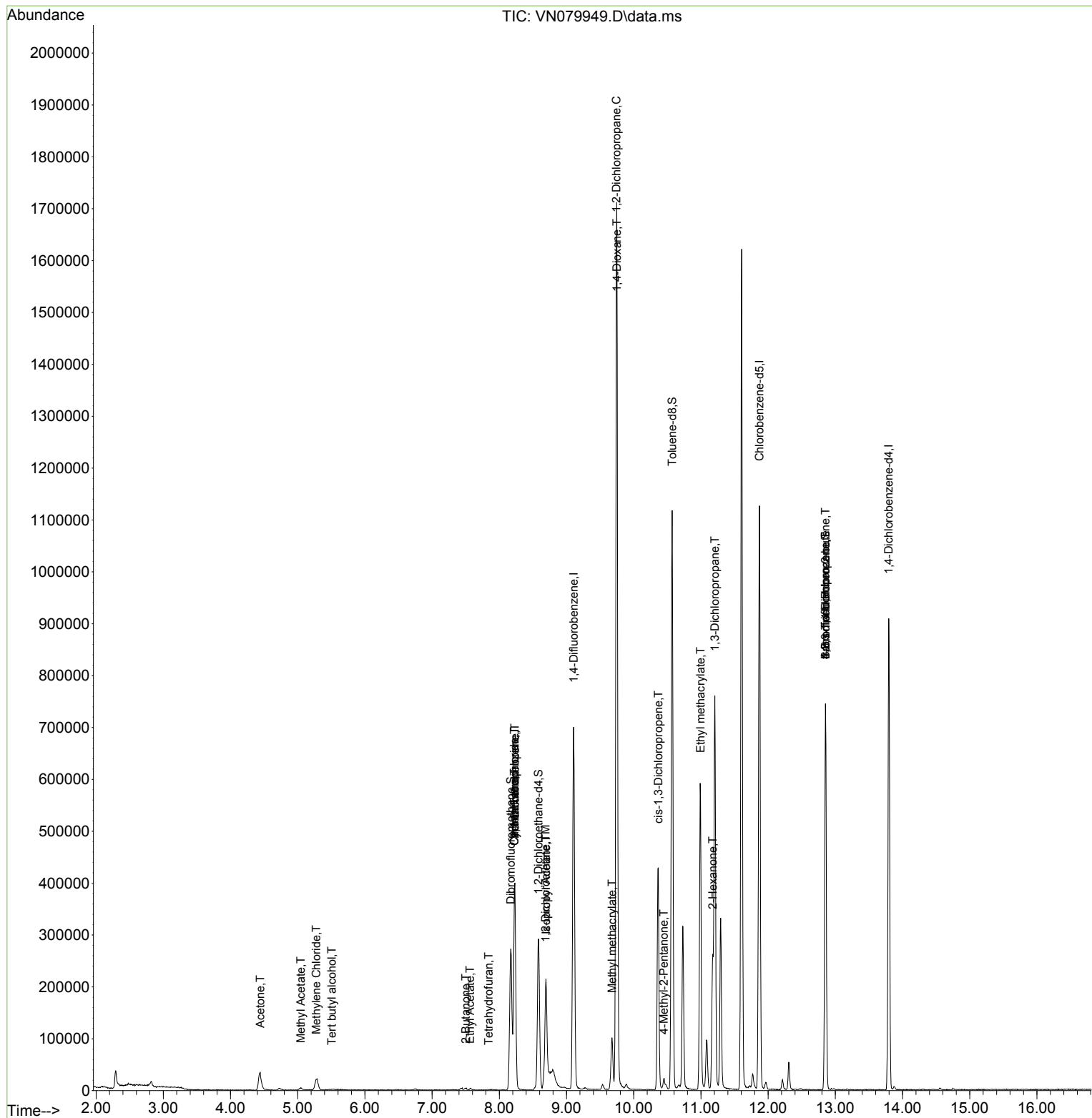
Internal Standards						
1) Pentafluorobenzene	8.230	168	271607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	577915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	627842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	240403	58.096	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.200%			
35) Dibromofluoromethane	8.171	113	196695	48.089	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.180%			
50) Toluene-d8	10.571	98	740566	49.182	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.853	95	248961	49.853	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.700%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1147	Below Cal	#	88
11) Tert butyl alcohol	5.506	59	703	1.331	ug/l #	72
16) Acetone	4.442	43	65248	44.890	ug/l #	86
18) Methyl Acetate	5.048	43	8733	1.256	ug/l #	72
20) Methylene Chloride	5.277	84	17201	4.690	ug/l #	78
25) 2-Butanone	7.500	43	6712	3.153	ug/l #	66
29) Tetrahydrofuran	7.841	42	495	0.357	ug/l #	28
31) Cyclohexane	8.224	56	7200	1.317	ug/l #	3
36) 1,1-Dichloropropene	8.230	75	26887	4.604	ug/l #	48
37) Ethyl Acetate	7.565	43	3419	0.638	ug/l #	71
38) Carbon Tetrachloride	8.224	117	32339	5.494	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1596	0.261	ug/l #	73
43) Isopropyl Acetate	8.694	43	261093	27.796	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	2079	0.465	ug/l #	45
48) Methyl methacrylate	9.677	41	6187	1.504	ug/l #	30
49) 1,4-Dioxane	9.747	88	65	0.894	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	20112	3.803	ug/l #	73
54) cis-1,3-Dichloropropene	10.365	75	73910	10.626	ug/l #	74
56) Ethyl methacrylate	10.994	69	4111	0.691	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8092	1.101	ug/l #	42
59) 2-Hexanone	11.177	43	204709	50.602	ug/l #	19
71) Bromoform	12.853	173	1678	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	136649	24.950	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	136649	67.882	ug/l #	15

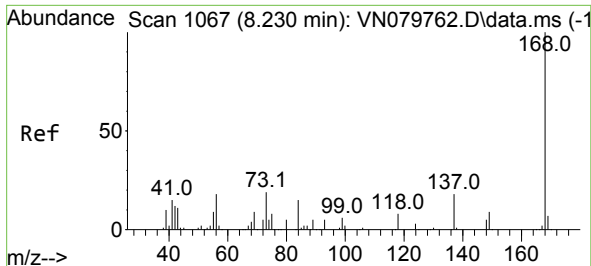
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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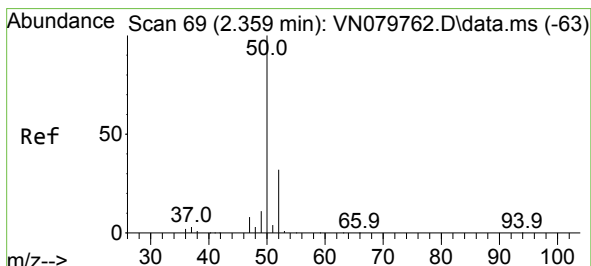
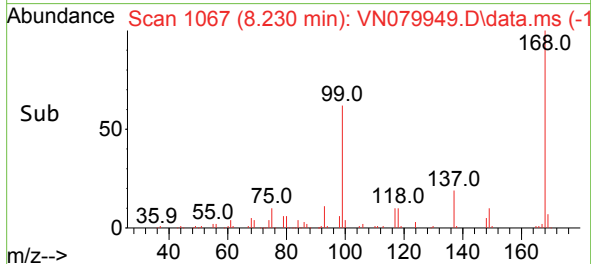
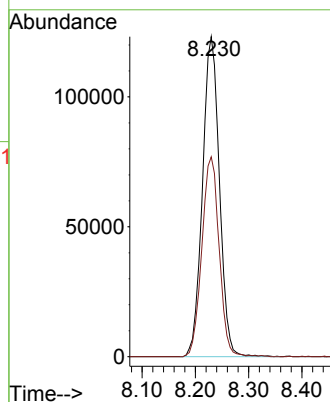
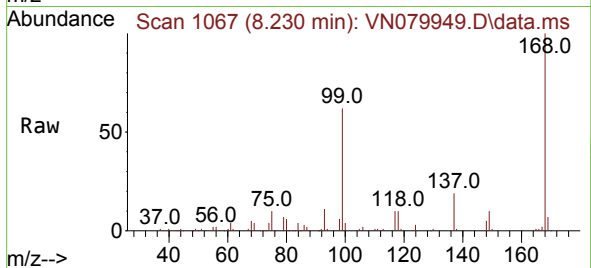




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

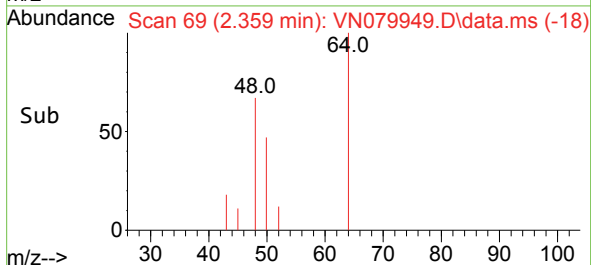
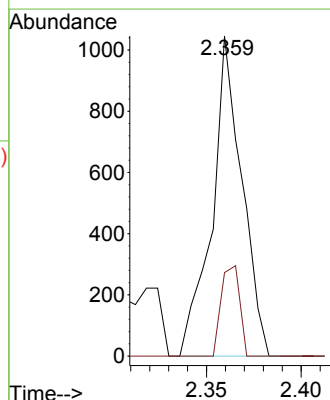
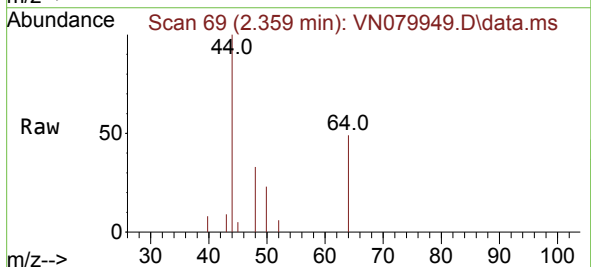
Instrument :
MSVOA_N
ClientSampleId :

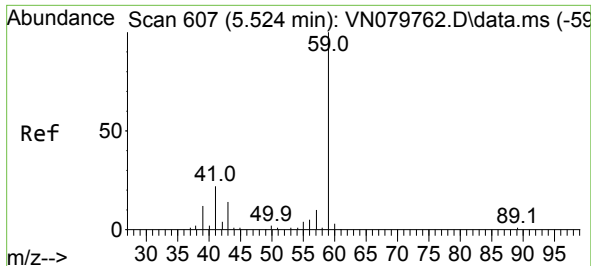
Tgt Ion:168 Resp: 271607
Ion Ratio Lower Upper
168 100
99 62.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 50 Resp: 1147
Ion Ratio Lower Upper
50 100
52 26.1 26.5 39.7#

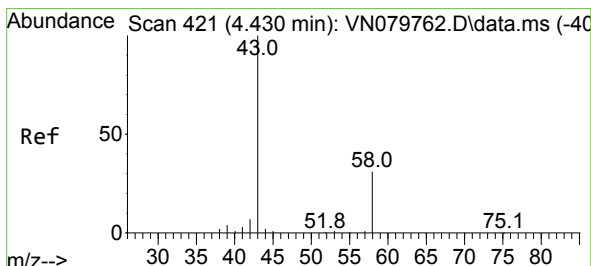
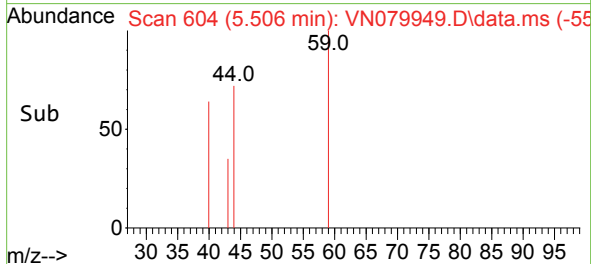
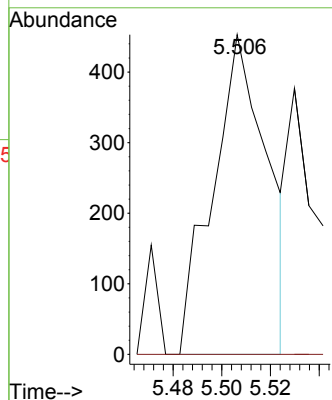
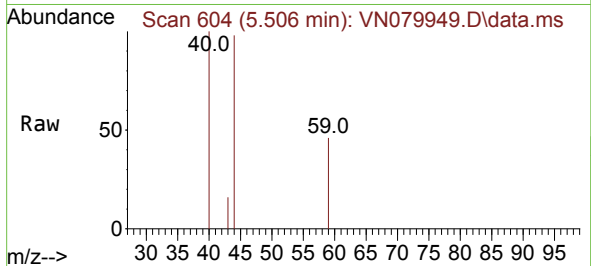




#11
Tert butyl alcohol
Concen: 1.331 ug/l
RT: 5.506 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

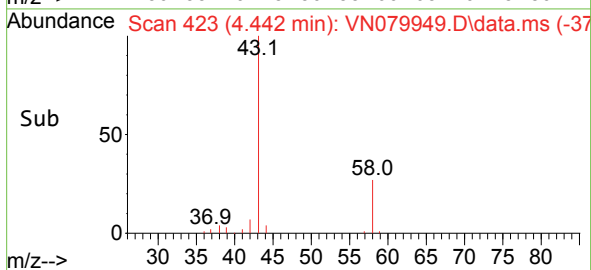
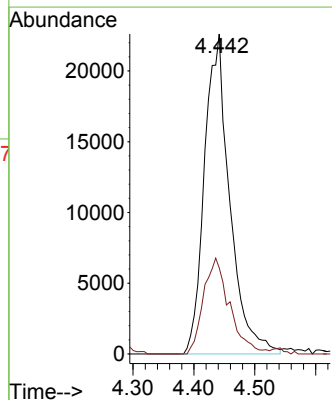
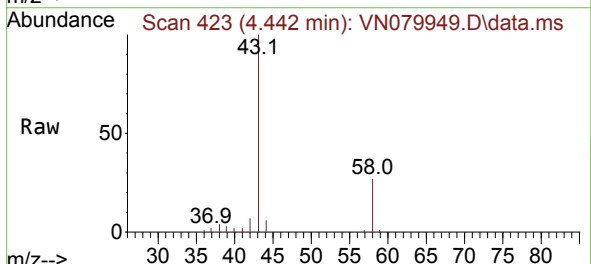
Instrument :
MSVOA_N
ClientSampleId :

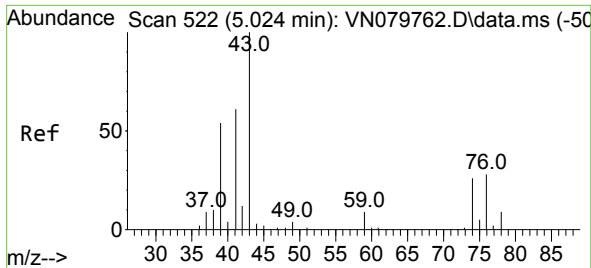
Tgt Ion: 59 Resp: 703
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 44.890 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 43 Resp: 65248
Ion Ratio Lower Upper
43 100
58 26.9 28.0 42.0#

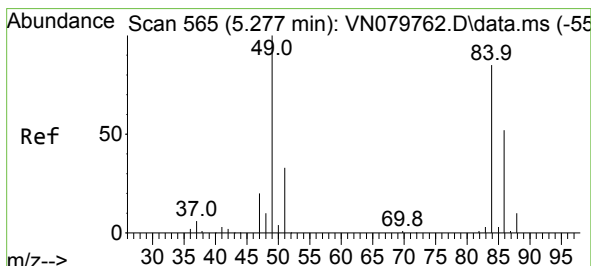
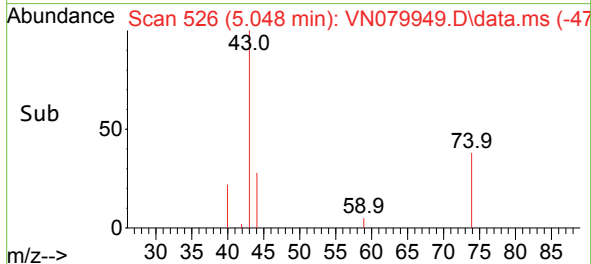
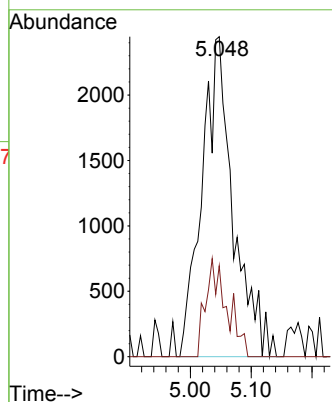
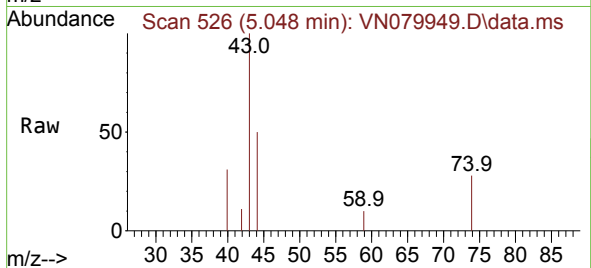




#18
Methyl Acetate
Concen: 1.256 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

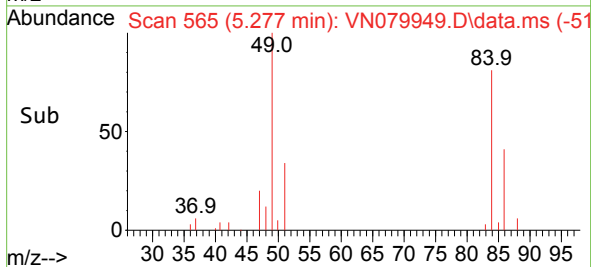
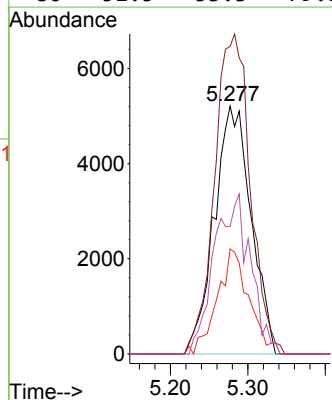
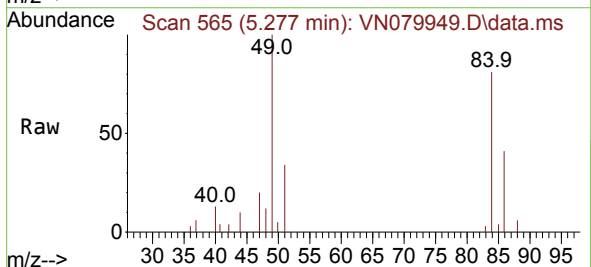
Instrument :
MSVOA_N
ClientSampleId :

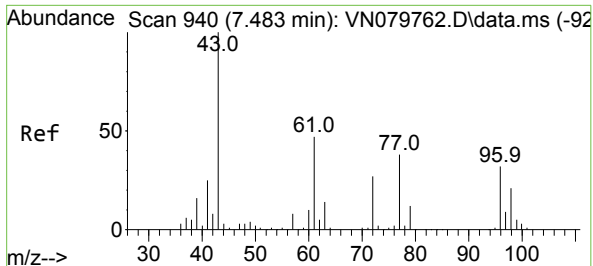
Tgt Ion: 43 Resp: 8733
Ion Ratio Lower Upper
43 100
74 16.7 26.2 39.4#



#20
Methylene Chloride
Concen: 4.690 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 84 Resp: 17201
Ion Ratio Lower Upper
84 100
49 124.2 79.7 119.5#
51 42.4 25.2 37.8#
86 51.5 53.3 79.9#





#25

2-Butanone

Concen: 3.153 ug/l

RT: 7.500 min Scan# 940

Delta R.T. 0.012 min

Lab File: VN079949.D

Acq: 07 Nov 2023 06:29

Instrument :

MSVOA_N

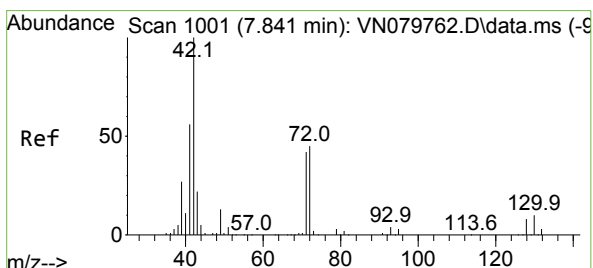
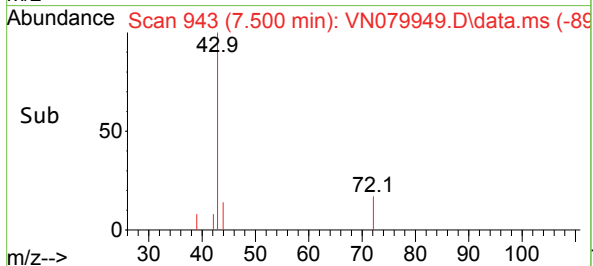
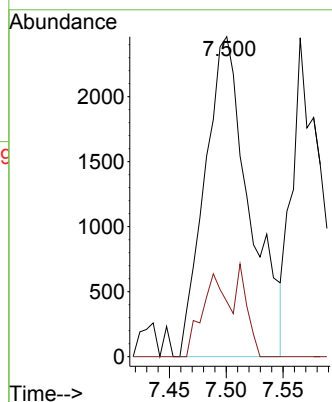
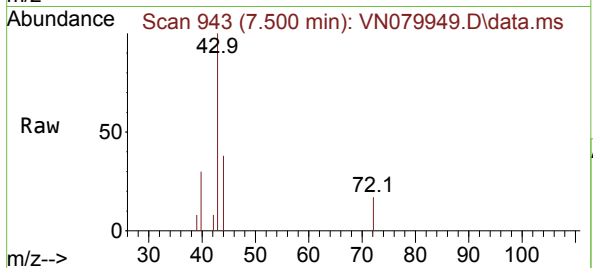
ClientSampleId :

Tgt Ion: 43 Resp: 6712

Ion Ratio Lower Upper

43 100

72 17.2 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VN079949.D

Acq: 07 Nov 2023 06:29

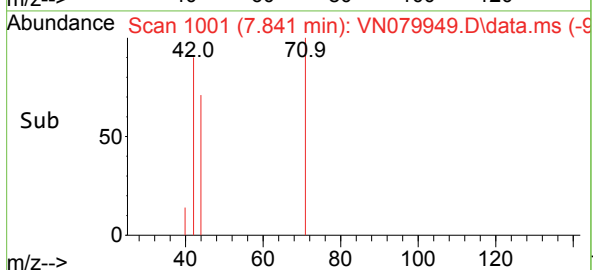
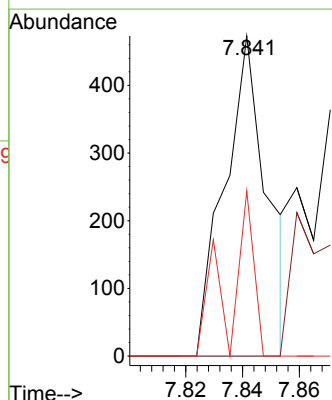
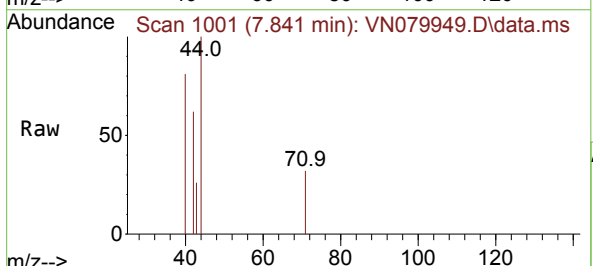
Tgt Ion: 42 Resp: 495

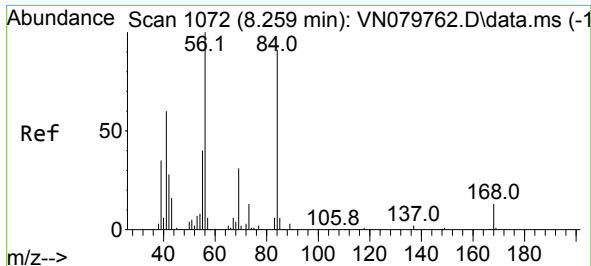
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

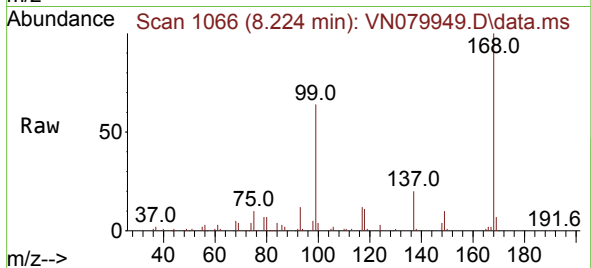
71 12.3 47.4 71.2#



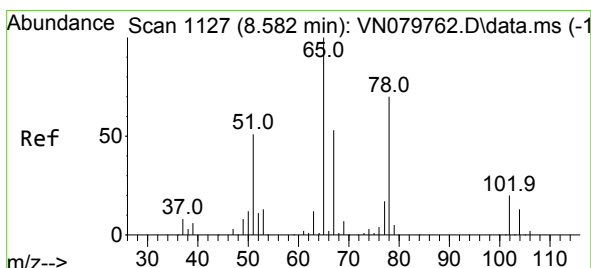
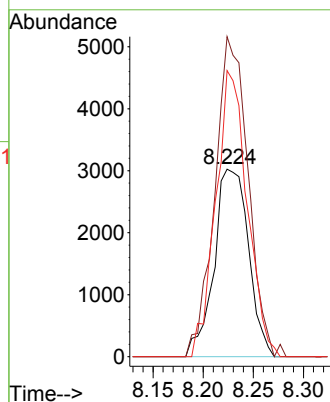
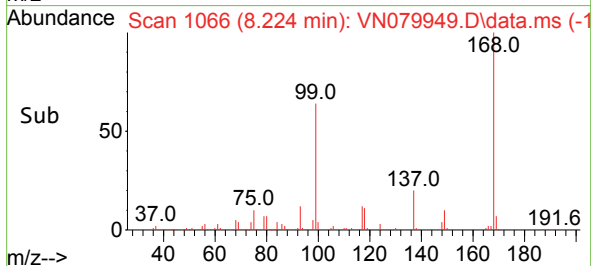


#31
Cyclohexane
Concen: 1.317 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Instrument :
MSVOA_N
ClientSampleId :

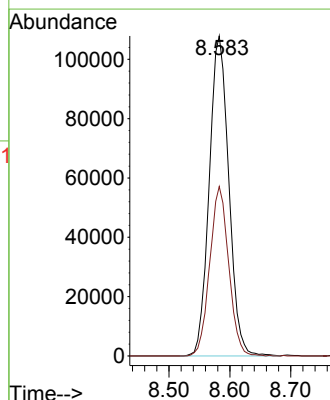
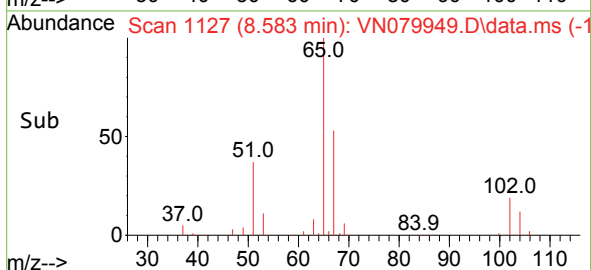
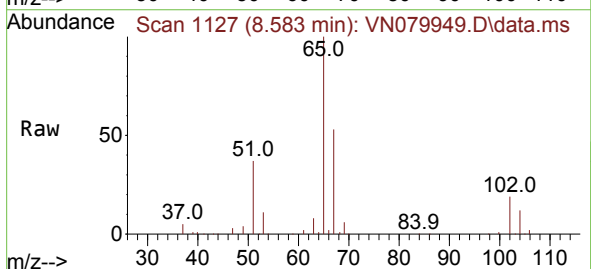


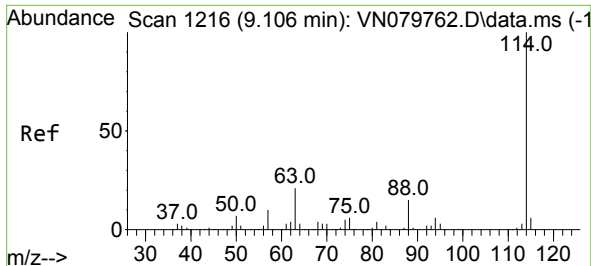
Tgt Ion: 56 Resp: 7200
Ion Ratio Lower Upper
56 100
69 170.7 26.8 40.2#
84 152.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 58.096 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 65 Resp: 240403
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.6

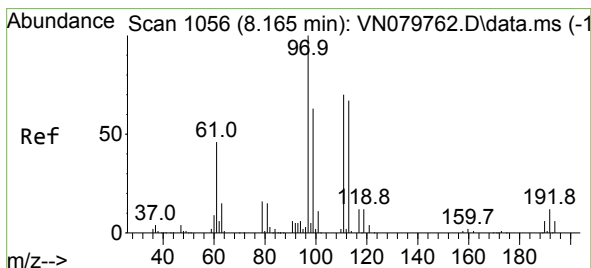
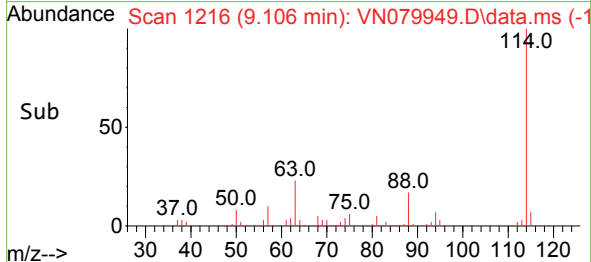
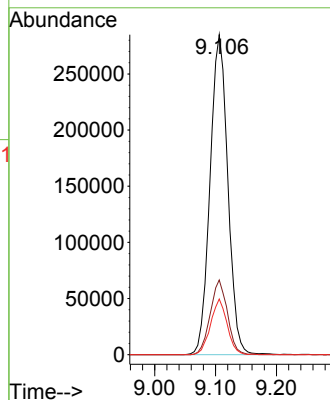
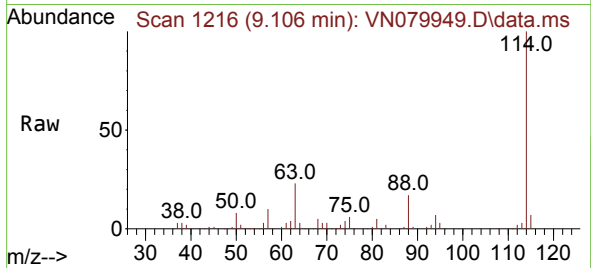




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

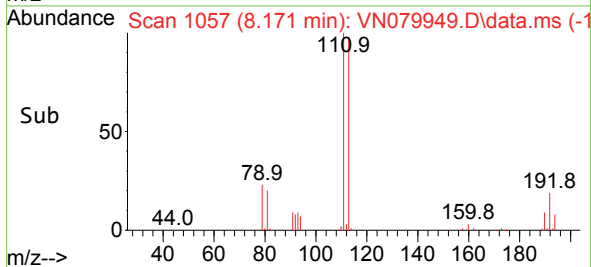
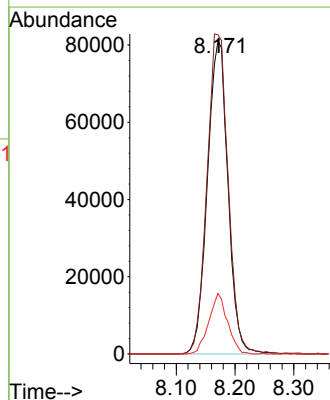
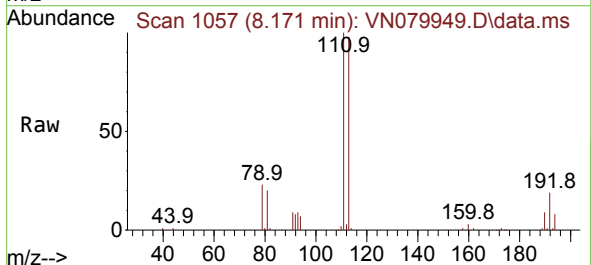
Instrument :
MSVOA_N
ClientSampleId :

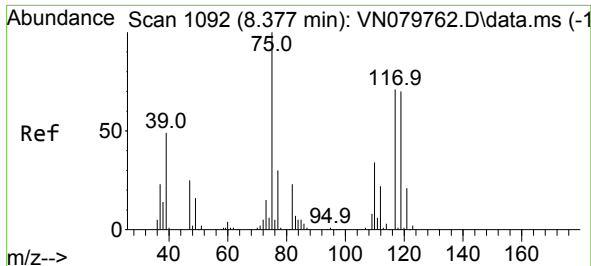
Tgt Ion:114 Resp: 577915
Ion Ratio Lower Upper
114 100
63 23.3 0.0 36.4
88 17.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.089 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion:113 Resp: 196695
Ion Ratio Lower Upper
113 100
111 105.4 82.6 123.8
192 17.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.604 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

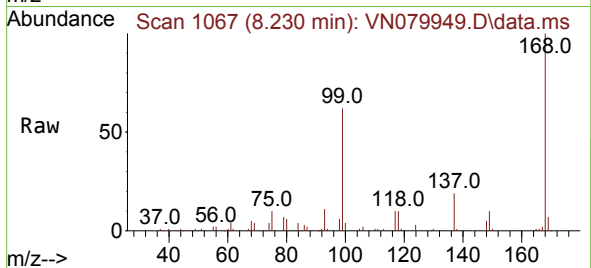
Lab File: VN079949.D

Acq: 07 Nov 2023 06:29

Instrument :

MSVOA_N

ClientSampleId :



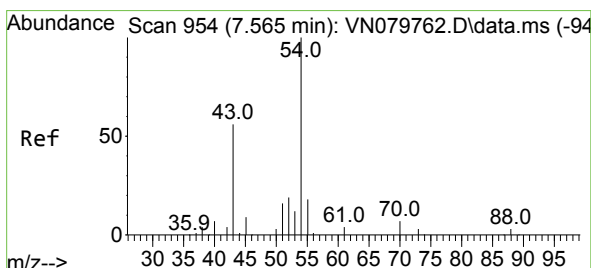
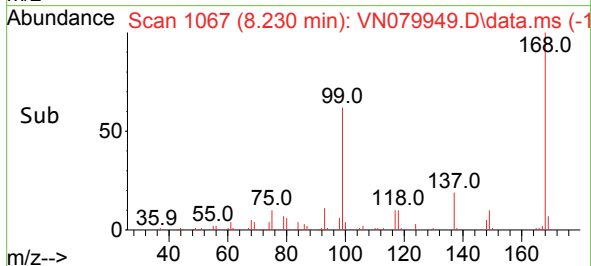
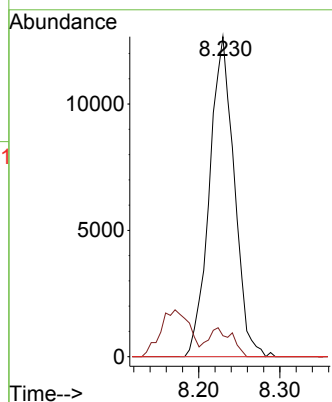
Tgt Ion: 75 Resp: 26887

Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.638 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.000 min

Lab File: VN079949.D

Acq: 07 Nov 2023 06:29

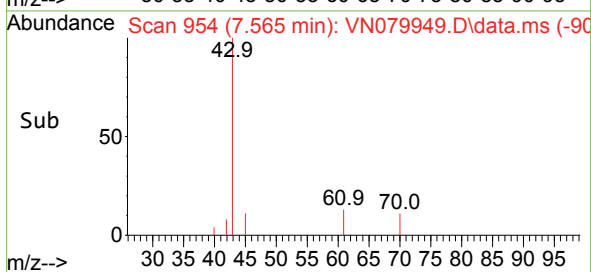
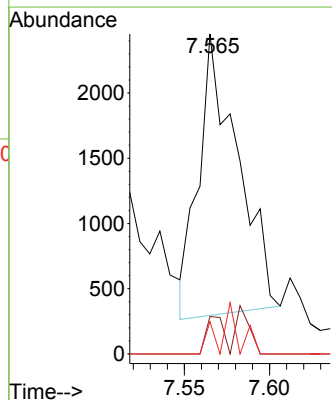
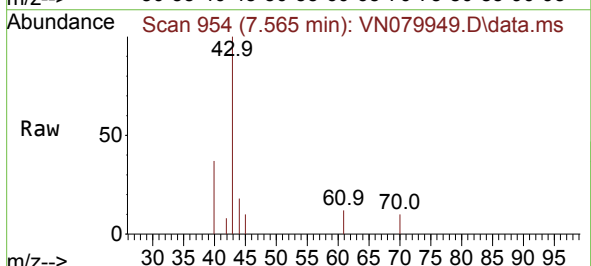
Tgt Ion: 43 Resp: 3419

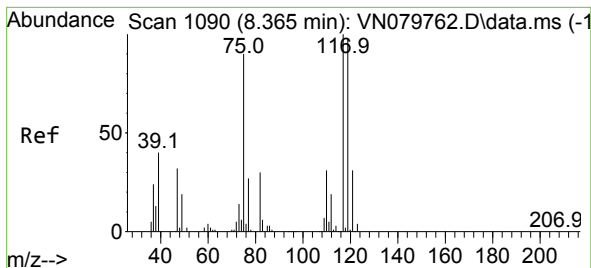
Ion Ratio Lower Upper

43 100

61 5.8 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.135 min

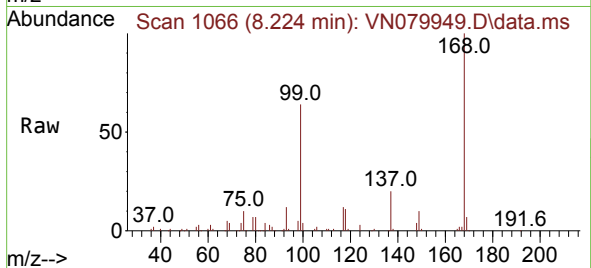
Lab File: VN079949.D

Acq: 07 Nov 2023 06:29

Instrument :

MSVOA_N

ClientSampleId :



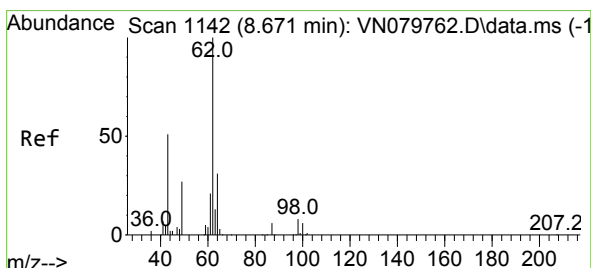
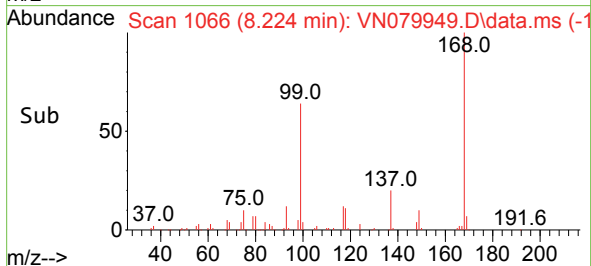
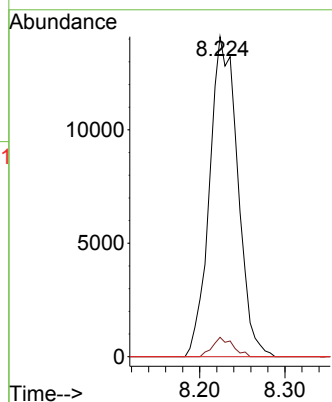
Tgt Ion:117 Resp: 32339

Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.261 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN079949.D

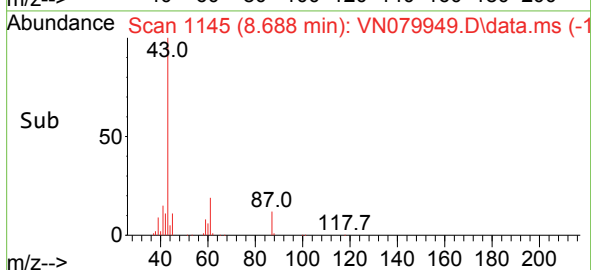
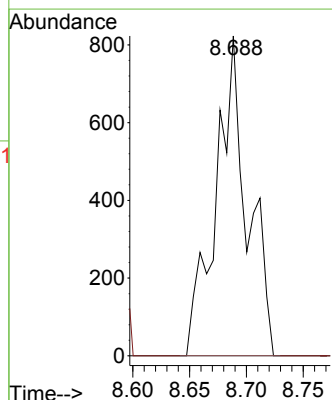
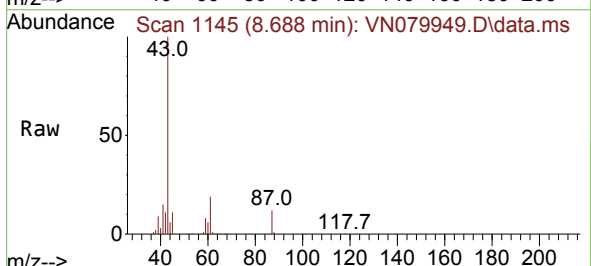
Acq: 07 Nov 2023 06:29

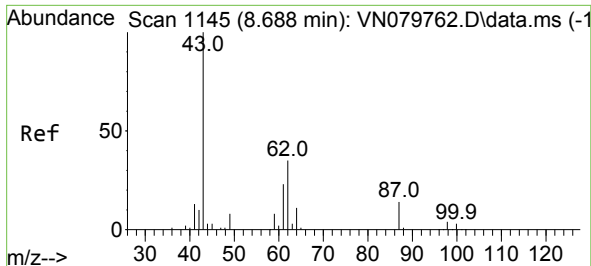
Tgt Ion: 62 Resp: 1596

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

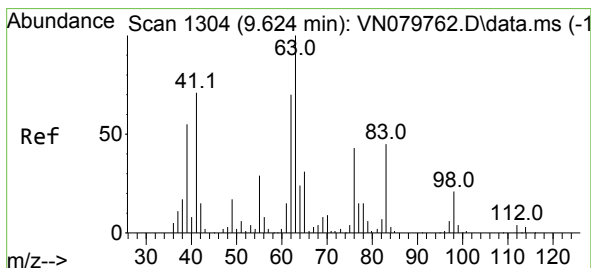
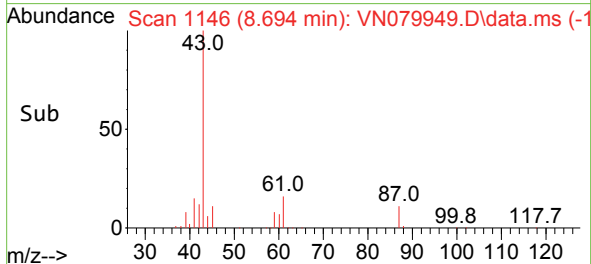
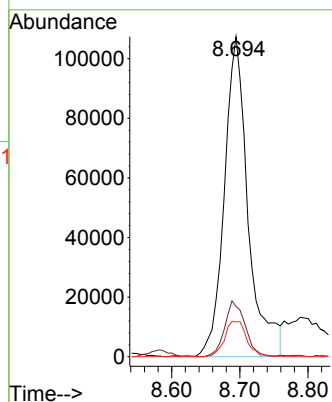
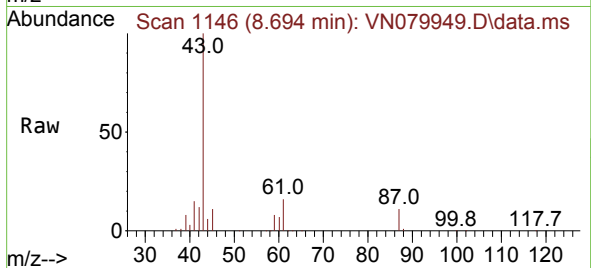




#43
Isopropyl Acetate
Concen: 27.796 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

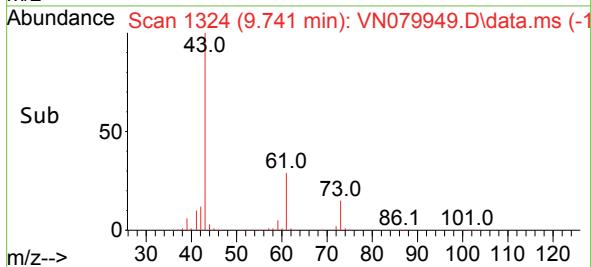
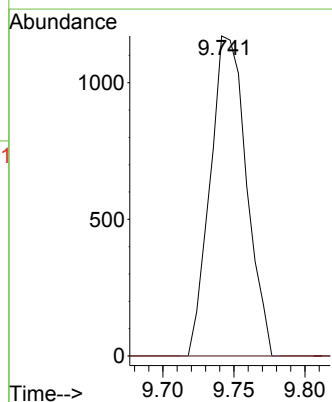
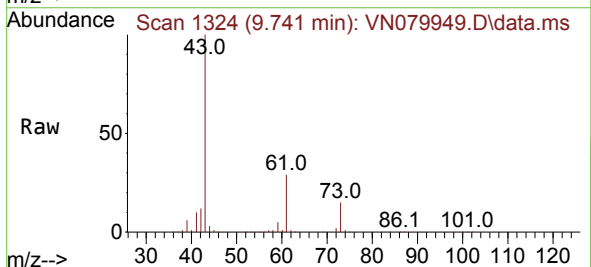
Instrument :
MSVOA_N
ClientSampleId :

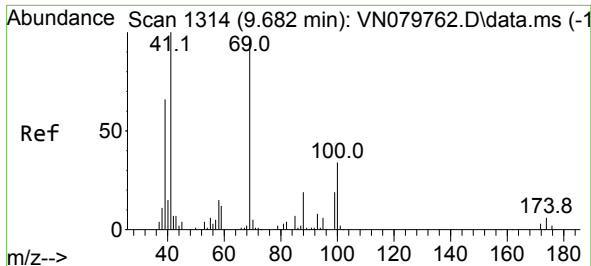
Tgt Ion: 43 Resp: 261093
Ion Ratio Lower Upper
43 100
61 15.0 24.7 37.1#
87 10.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.465 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 63 Resp: 2079
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

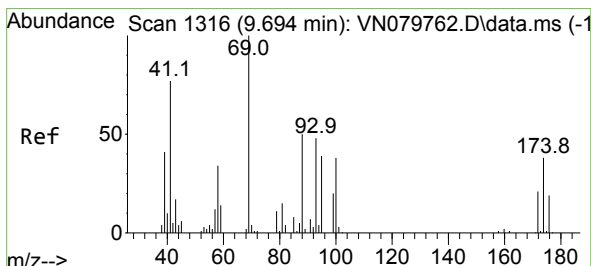
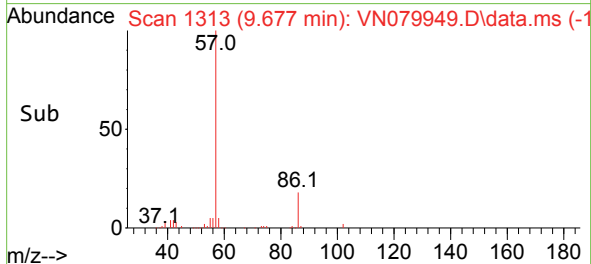
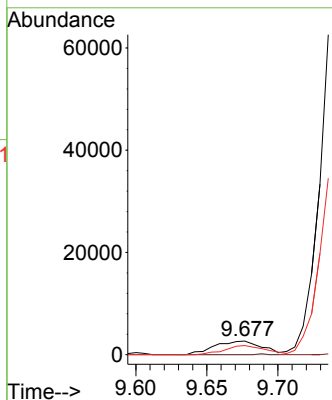
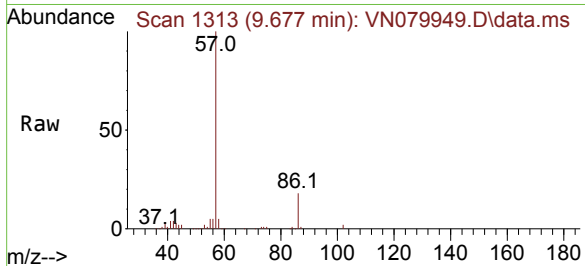




#48
Methyl methacrylate
Concen: 1.504 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

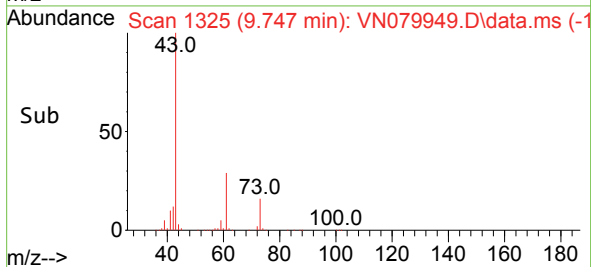
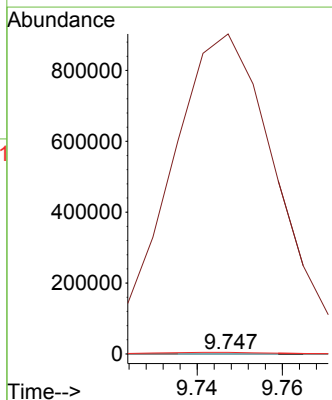
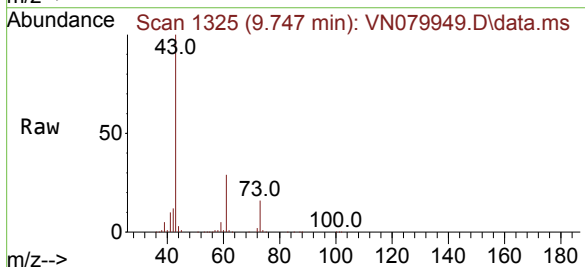
Instrument :
MSVOA_N
ClientSampleId :

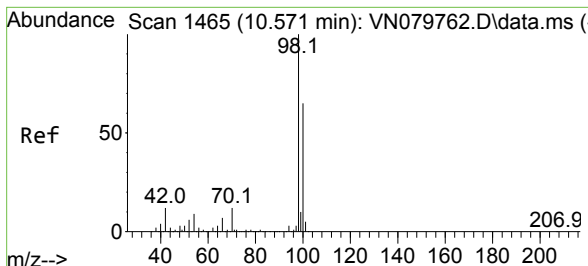
Tgt Ion: 41 Resp: 6187
Ion Ratio Lower Upper
41 100
69 1.0 90.4 135.6#
39 57.2 54.6 81.8



#49
1,4-Dioxane
Concen: 0.894 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 2491532.3 17.0 25.6#
58 14260.0 47.0 70.4#

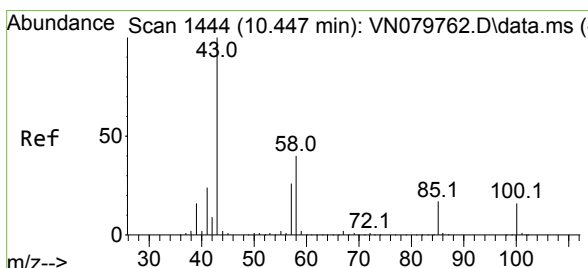
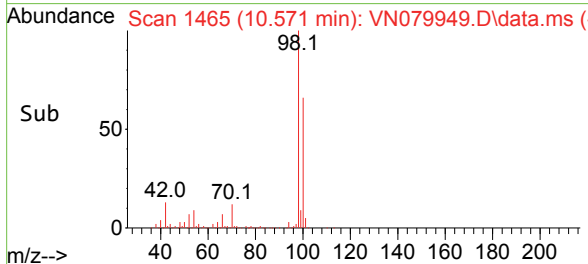
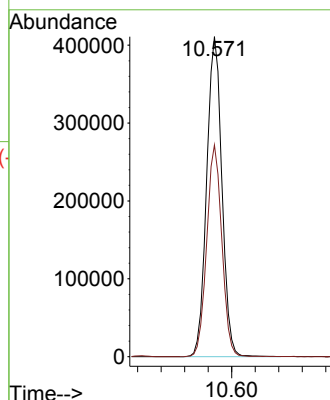
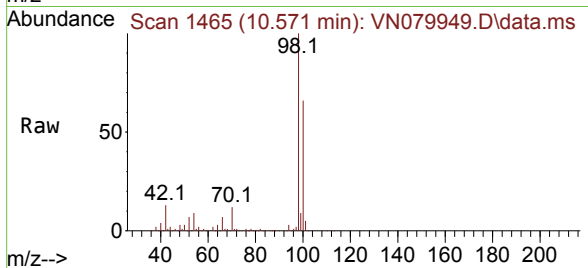




#50
Toluene-d8
Concen: 49.182 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

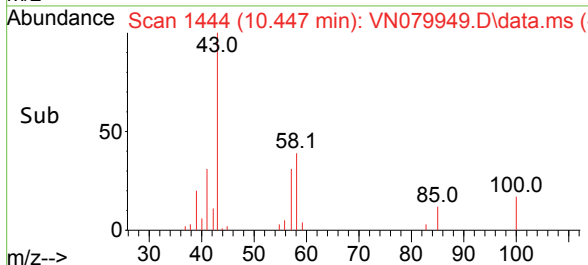
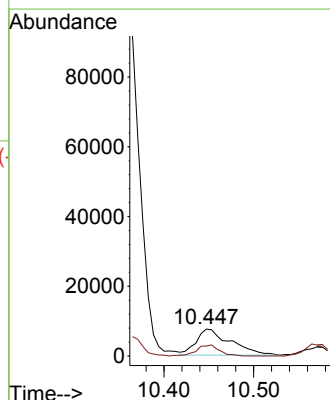
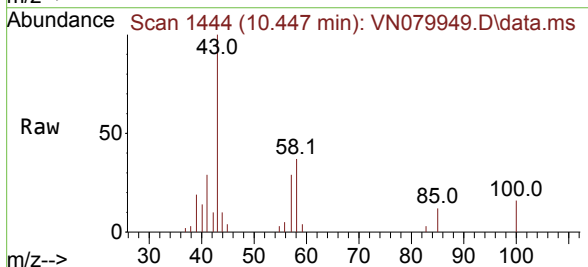
Instrument :
MSVOA_N
ClientSampleId :

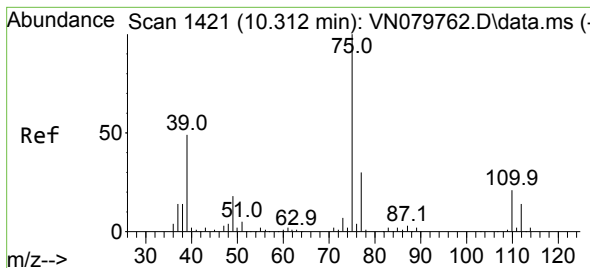
Tgt Ion: 98 Resp: 740566
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.803 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 43 Resp: 20112
Ion Ratio Lower Upper
43 100
58 27.7 36.6 54.8#

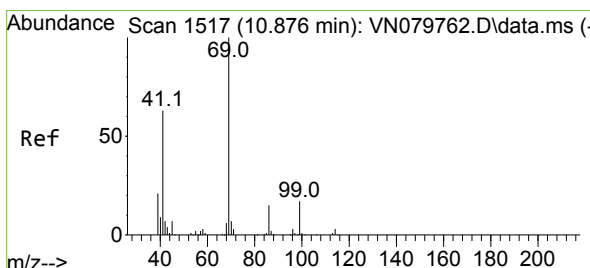
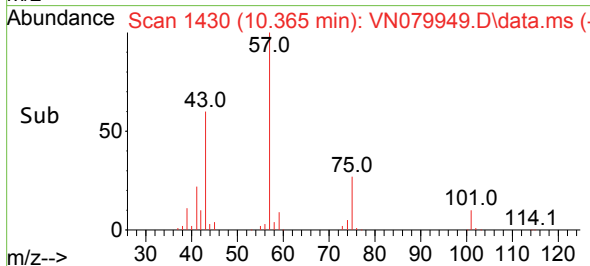
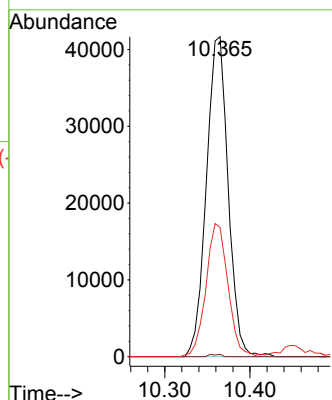
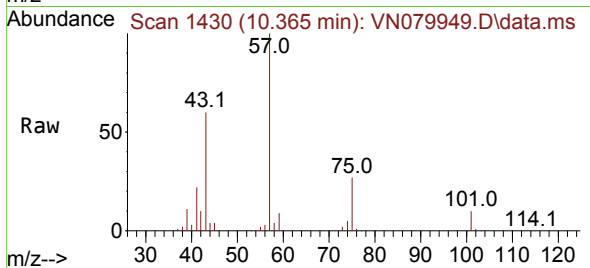




#54
 cis-1,3-Dichloropropene
 Concen: 10.626 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079949.D
 Acq: 07 Nov 2023 06:29

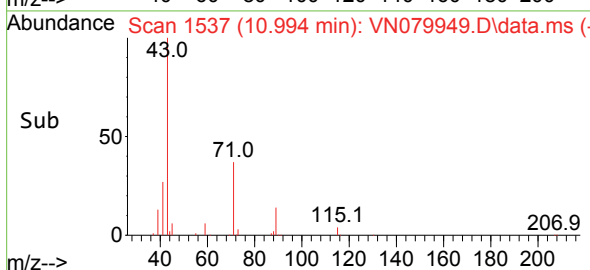
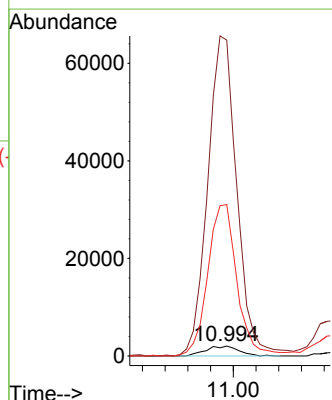
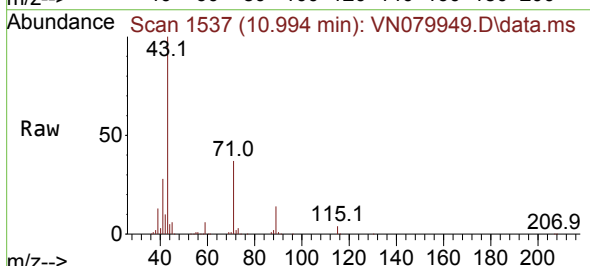
Instrument :
 MSVOA_N
 ClientSampleId :

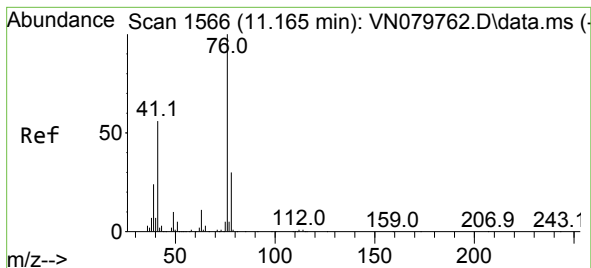
Tgt Ion: 75 Resp: 73910
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 40.4 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.691 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN079949.D
 Acq: 07 Nov 2023 06:29

Tgt Ion: 69 Resp: 4111
 Ion Ratio Lower Upper
 69 100
 41 2854.8 39.6 59.4#
 39 1351.1 28.6 43.0#

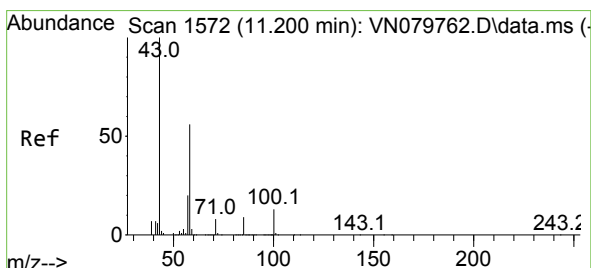
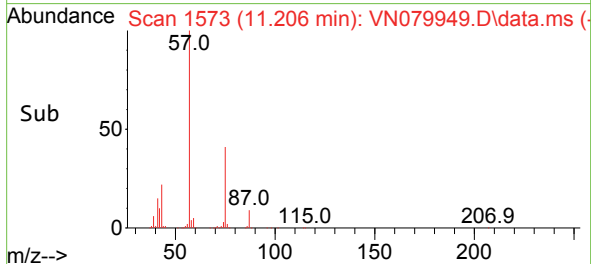
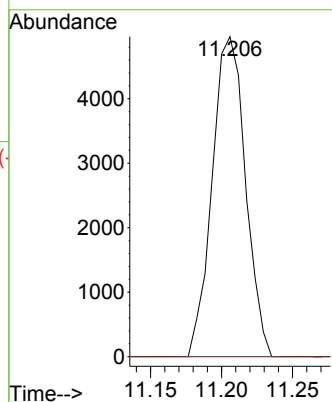
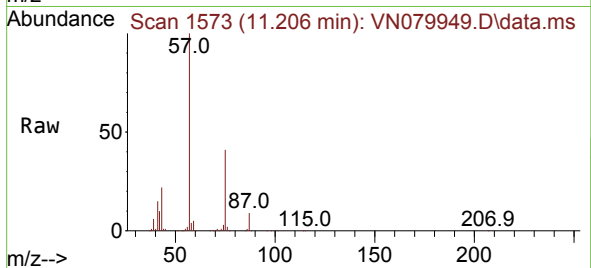




#57
1,3-Dichloropropane
Concen: 1.101 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

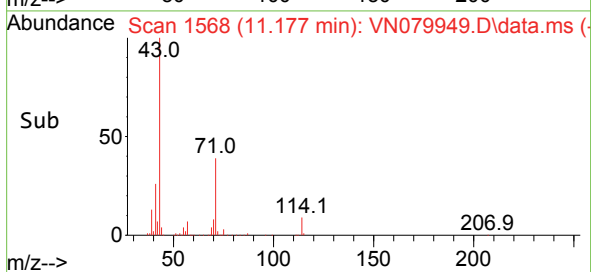
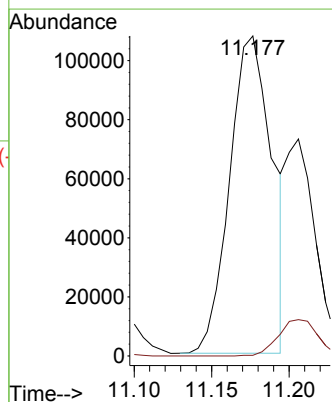
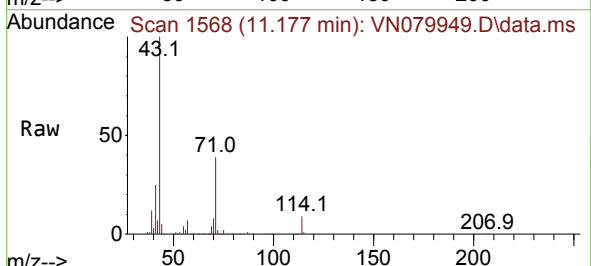
Instrument :
MSVOA_N
ClientSampleId :

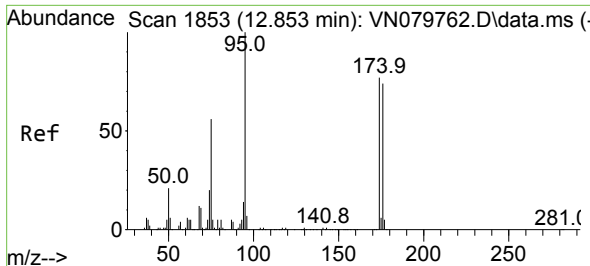
Tgt Ion: 76 Resp: 8092
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 50.602 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 43 Resp: 204709
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

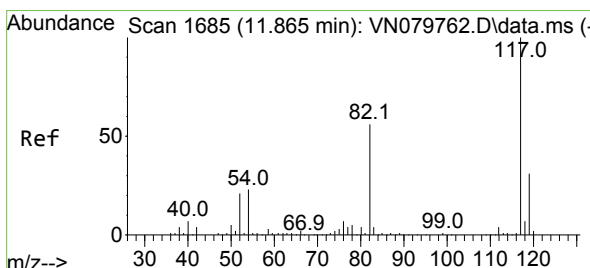
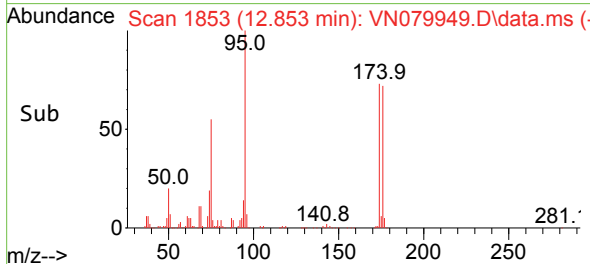
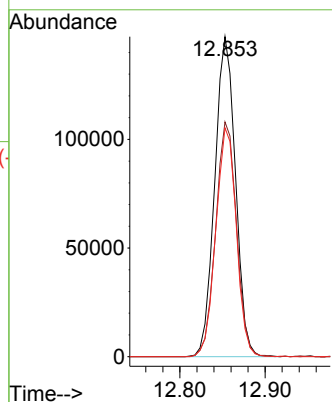
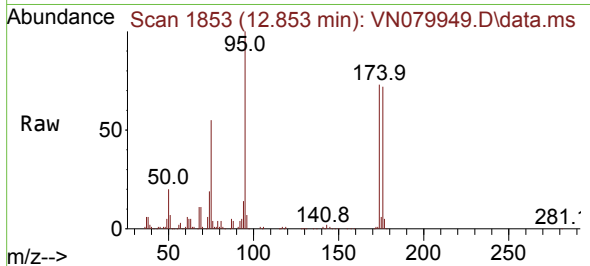




#62
4-Bromofluorobenzene
Concen: 49.853 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

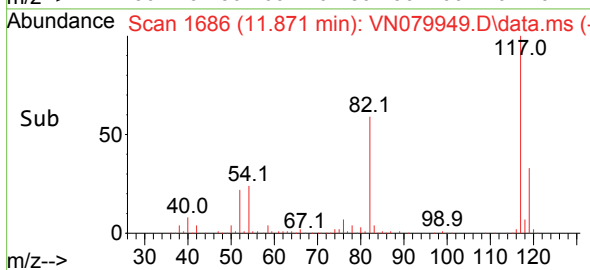
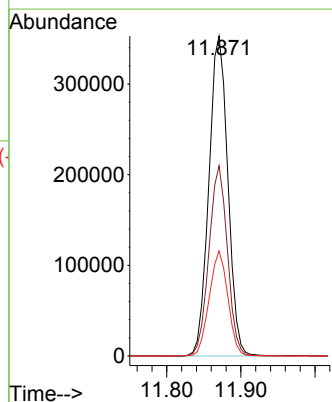
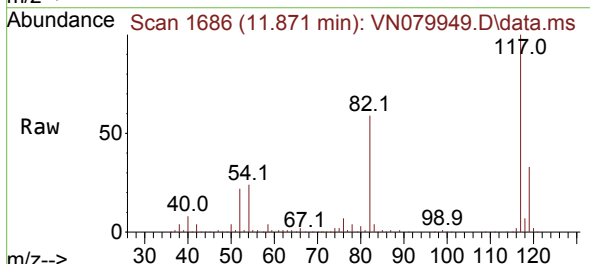
Instrument :
MSVOA_N
ClientSampleId :

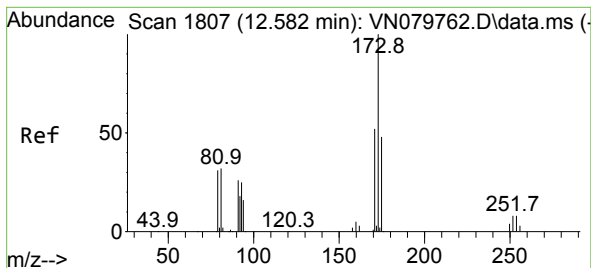
Tgt Ion: 95 Resp: 248961
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 70.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 117 Resp: 627842
Ion Ratio Lower Upper
117 100
82 59.4 44.0 66.0
119 32.8 25.6 38.4





#71

Bromoform

Concen: 0.482 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

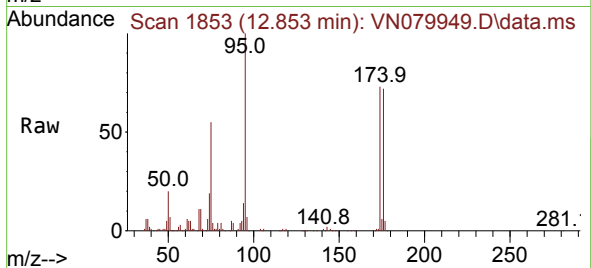
Lab File: VN079949.D

Acq: 07 Nov 2023 06:29

Instrument :

MSVOA_N

ClientSampleId :



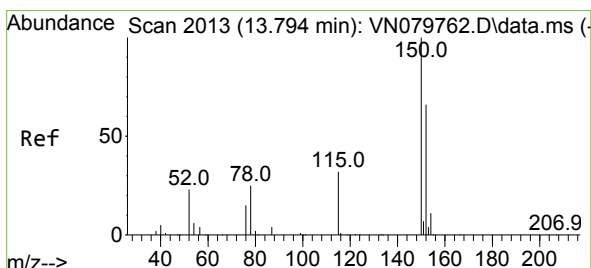
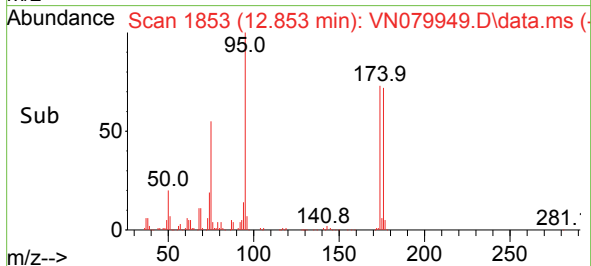
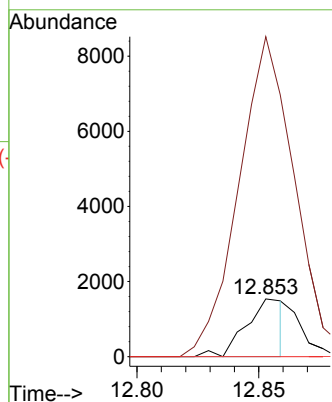
Tgt Ion:173 Resp: 1678

Ion Ratio Lower Upper

173 100

175 625.7 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: VN079949.D

Acq: 07 Nov 2023 06:29

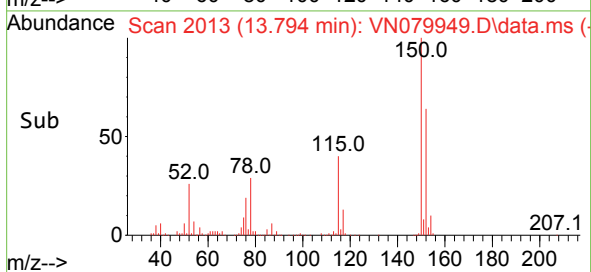
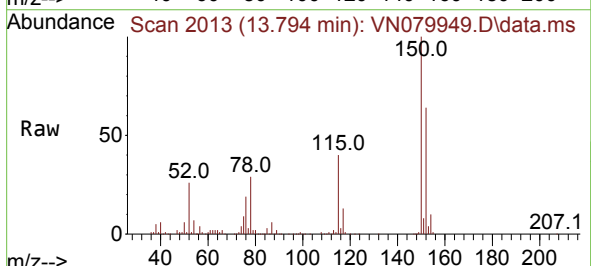
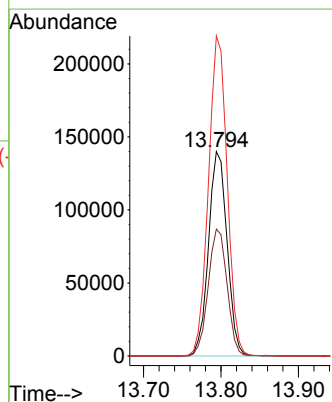
Tgt Ion:152 Resp: 233292

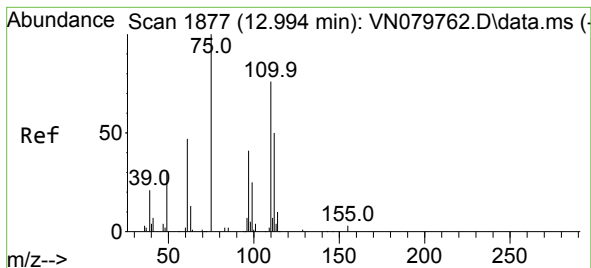
Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 157.5 0.0 355.8

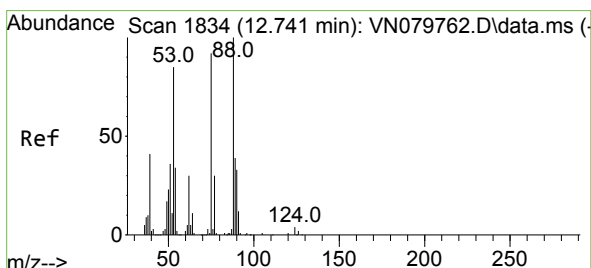
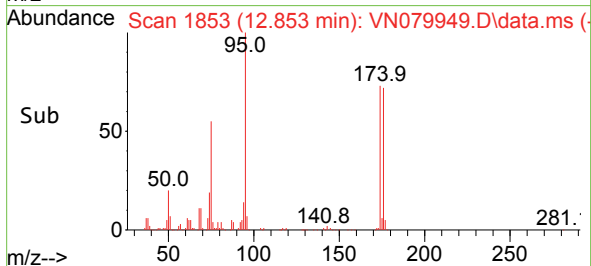
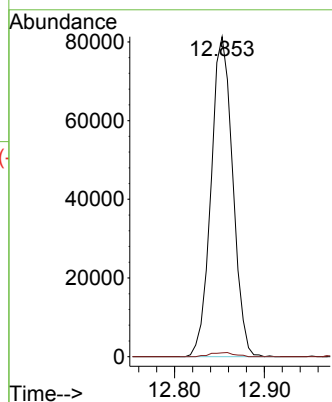
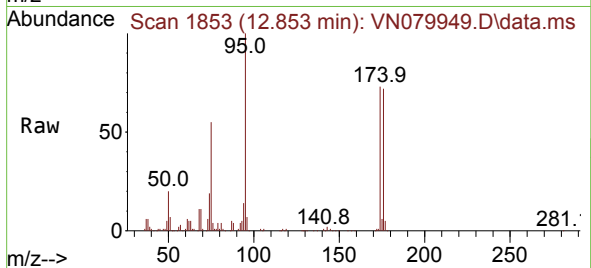




#76
1,2,3-Trichloropropane
Concen: 24.950 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 136649
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.882 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079949.D
Acq: 07 Nov 2023 06:29

Tgt Ion: 75 Resp: 136649
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

