

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079070.D
 Acq On : 28 Aug 2023 16:31
 Operator : JC\MD
 Sample : 04188-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 04:06:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

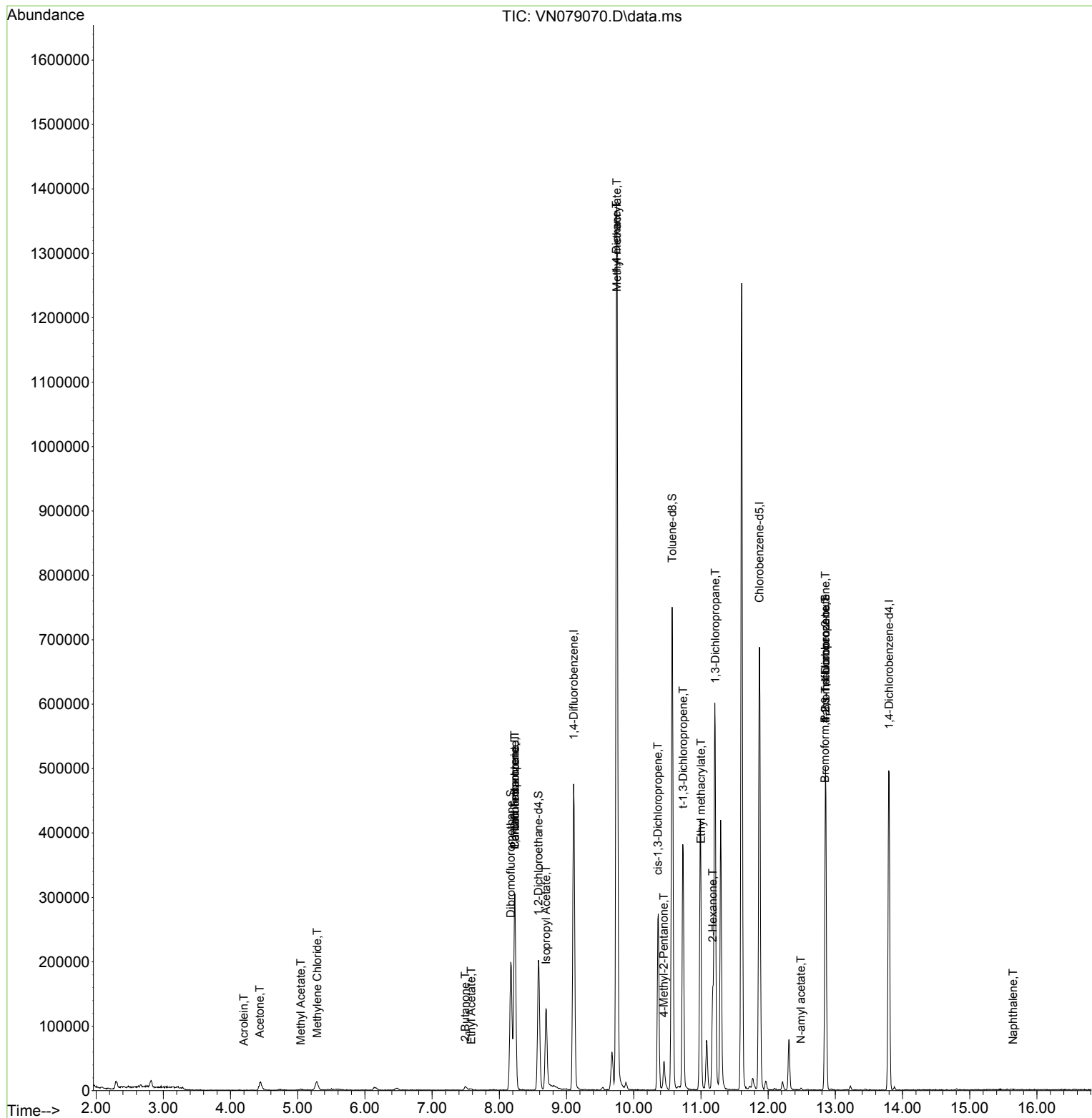
Internal Standards						
1) Pentafluorobenzene	8.230	168	211818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	399031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	393729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	135547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	160170	48.594	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.180%		
35) Dibromofluoromethane	8.171	113	138056	51.397	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.800%		
50) Toluene-d8	10.571	98	495590	49.690	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.380%		
62) 4-Bromofluorobenzene	12.853	95	161671	49.593	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.180%		
Target Compounds					Qvalue	
13) Acrolein	4.201	56	56	7.004	ug/l #	16
16) Acetone	4.436	43	23631	17.376	ug/l #	86
18) Methyl Acetate	5.048	43	1937	0.337	ug/l #	42
20) Methylene Chloride	5.289	84	8930	3.081	ug/l	91
25) 2-Butanone	7.494	43	10034	4.602	ug/l #	76
31) Cyclohexane	8.236	56	6064	Below Cal	#	36
36) 1,1-Dichloropropene	8.230	75	17633	4.364	ug/l #	41
37) Ethyl Acetate	7.583	43	3906	0.864	ug/l #	71
38) Carbon Tetrachloride	8.230	117	23295	5.754	ug/l #	15
43) Isopropyl Acetate	8.694	43	150308	18.811	ug/l #	78
48) Methyl methacrylate	9.747	41	134597	37.173	ug/l #	29
49) 1,4-Dioxane	9.741	88	69	1.119	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	34616	7.304	ug/l #	79
53) t-1,3-Dichloropropene	10.735	75	1060	0.230	ug/l #	64
54) cis-1,3-Dichloropropene	10.359	75	45876	9.121	ug/l #	71
56) Ethyl methacrylate	11.000	69	1477	0.324	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	5866	1.115	ug/l #	42
59) 2-Hexanone	11.177	43	114898	33.473	ug/l #	19
71) Bromoform	12.847	173	1128	0.490	ug/l #	1
74) N-amyl acetate	12.488	43	1916	0.336	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	88796	27.188	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	88796	69.453	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.576	75	93	Below Cal	#	4
95) Naphthalene	15.647	128	906	2.712	ug/l #	77

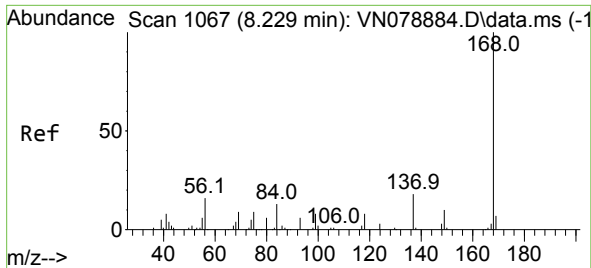
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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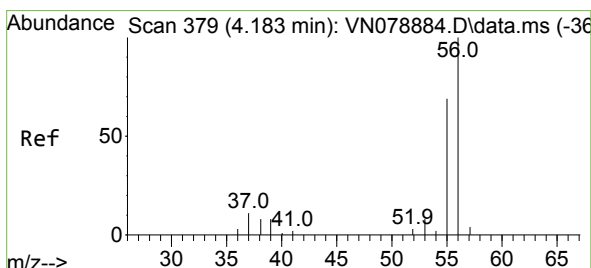
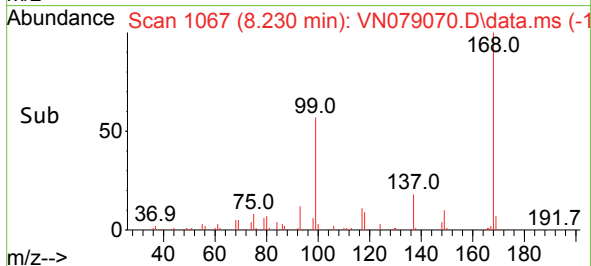
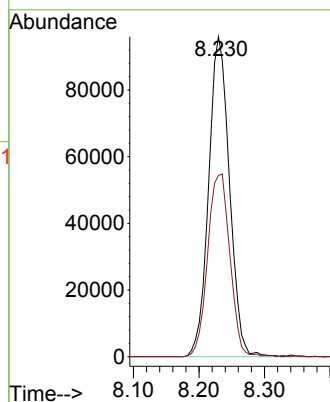
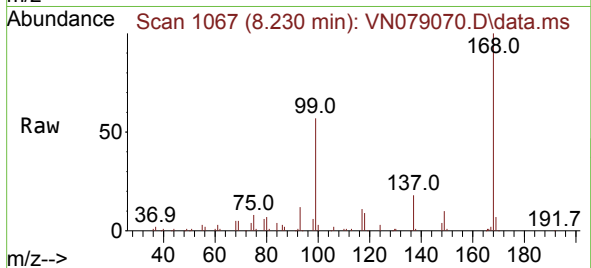




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

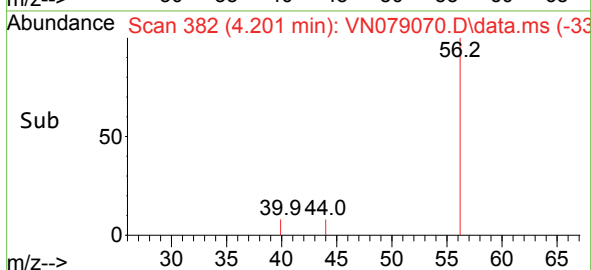
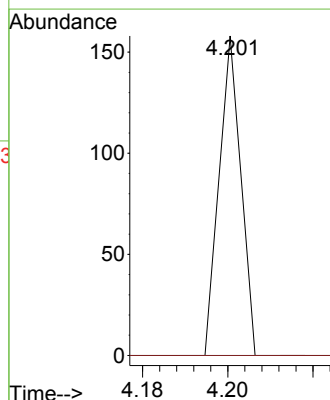
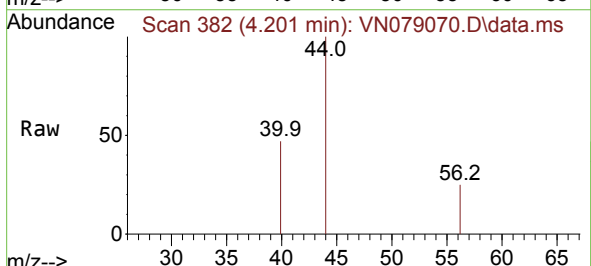
Instrument :
MSVOA_N
ClientSampleId :

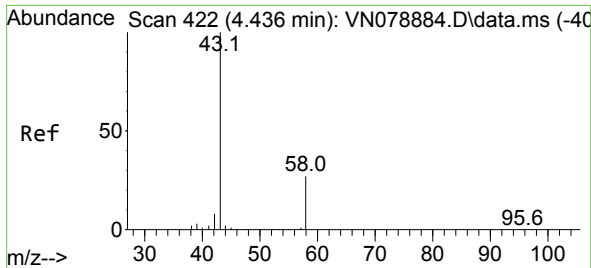
Tgt Ion:168 Resp: 211818
Ion Ratio Lower Upper
168 100
99 56.6 53.0 79.6



#13
Acrolein
Concen: 7.004 ug/l
RT: 4.201 min Scan# 382
Delta R.T. 0.006 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

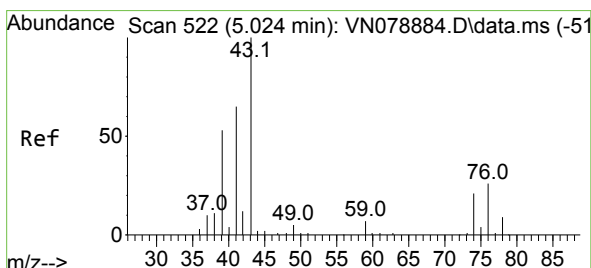
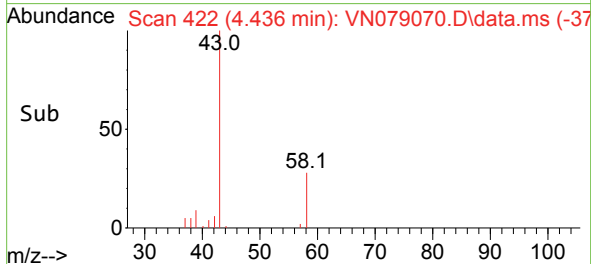
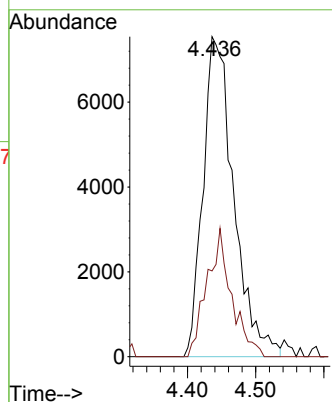
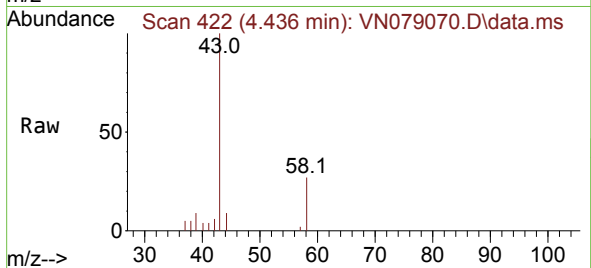




#16
 Acetone
 Concen: 17.376 ug/l
 RT: 4.436 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VN079070.D
 Acq: 28 Aug 2023 16:31

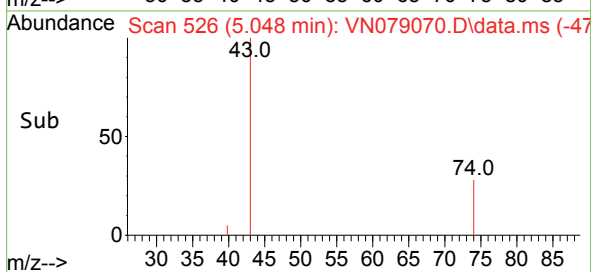
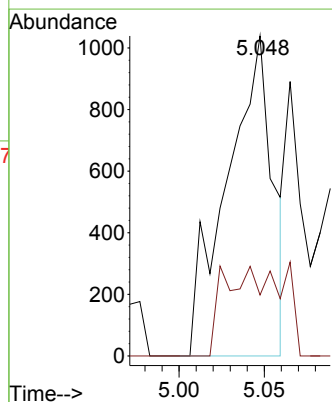
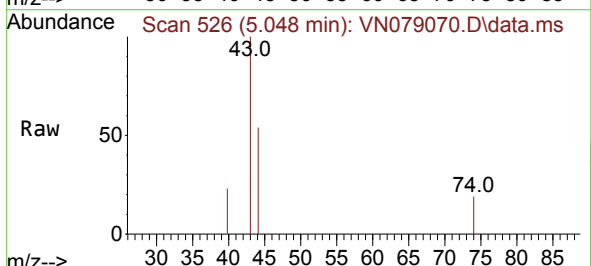
Instrument :
 MSVOA_N
 ClientSampleId :

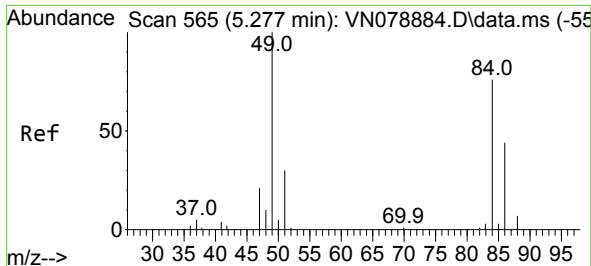
Tgt Ion: 43 Resp: 23631
 Ion Ratio Lower Upper
 43 100
 58 26.8 28.0 42.0#



#18
 Methyl Acetate
 Concen: 0.337 ug/l
 RT: 5.048 min Scan# 526
 Delta R.T. 0.006 min
 Lab File: VN079070.D
 Acq: 28 Aug 2023 16:31

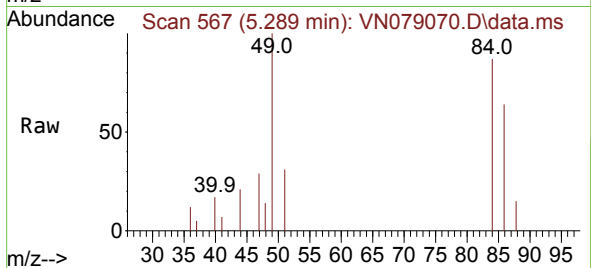
Tgt Ion: 43 Resp: 1937
 Ion Ratio Lower Upper
 43 100
 74 0.0 26.2 39.4#



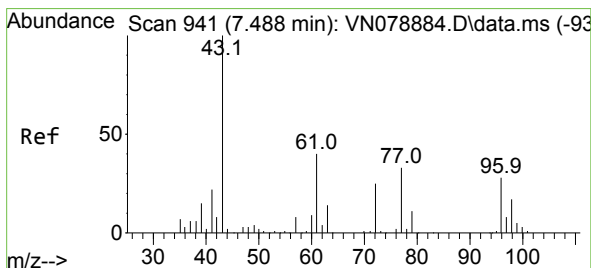
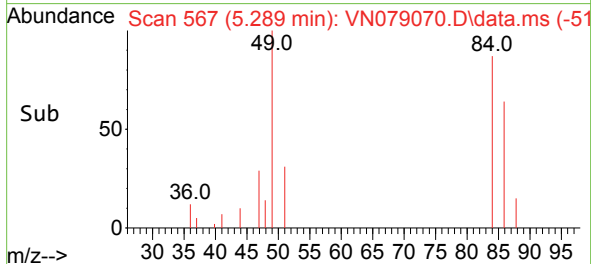
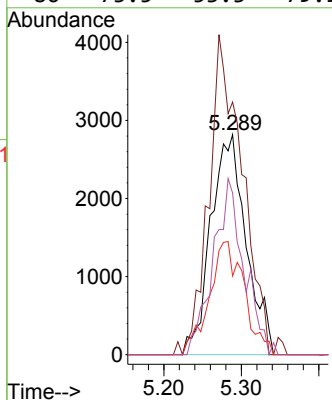


#20
Methylene Chloride
Concen: 3.081 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

Instrument :
MSVOA_N
ClientSampleId :

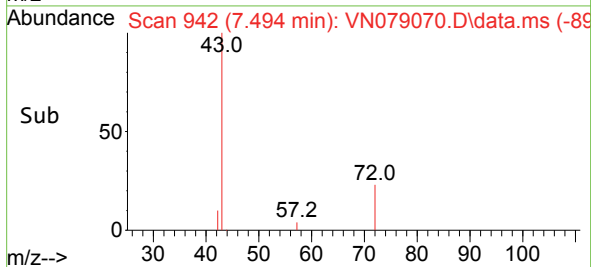
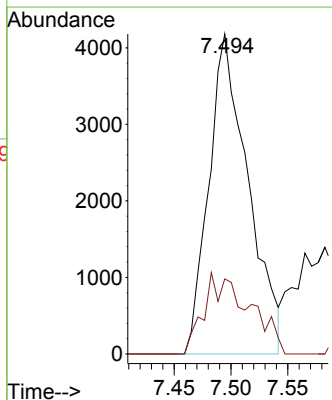
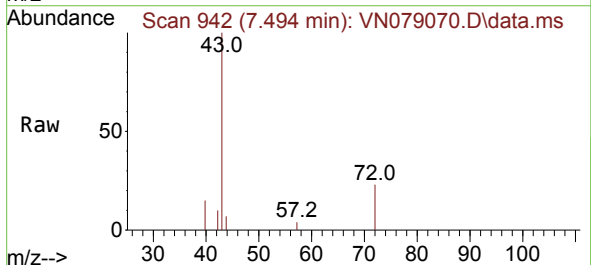


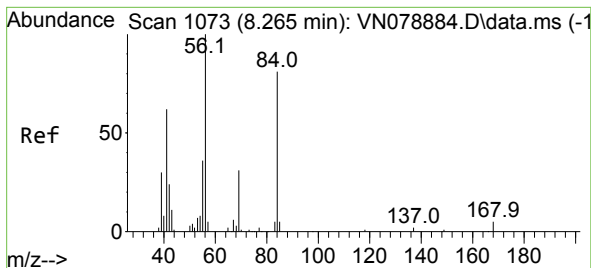
Tgt Ion: 84	Resp: 8930
Ion Ratio	Lower Upper
84 100	
49 108.9	79.7 119.5
51 35.8	25.2 37.8
86 73.5	53.3 79.9



#25
2-Butanone
Concen: 4.602 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

Tgt Ion: 43	Resp: 10034
Ion Ratio	Lower Upper
43 100	
72 23.4	30.2 45.2#





#31

Cyclohexane

Concen: Below Cal

RT: 8.236 min Scan# 1068

Delta R.T. -0.029 min

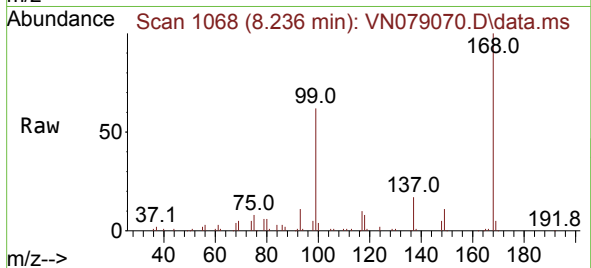
Lab File: VN079070.D

Acq: 28 Aug 2023 16:31

Instrument :

MSVOA_N

ClientSampleId :



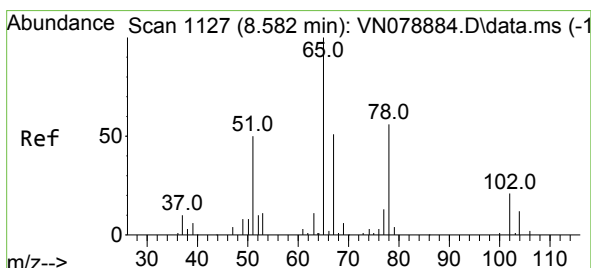
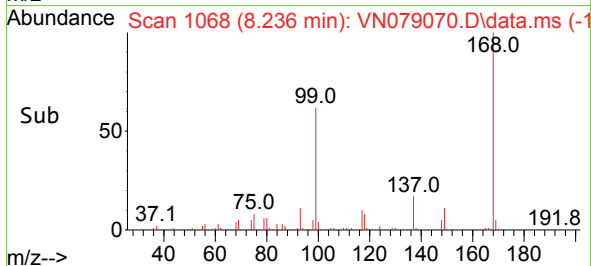
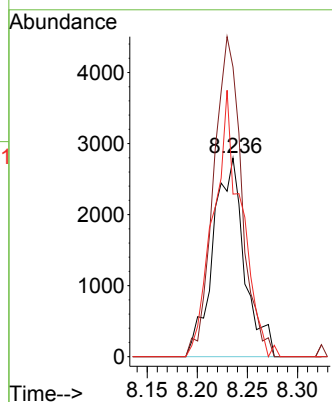
Tgt Ion: 56 Resp: 6064

Ion Ratio Lower Upper

56 100

69 145.9 26.8 40.2#

84 81.9 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 48.594 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079070.D

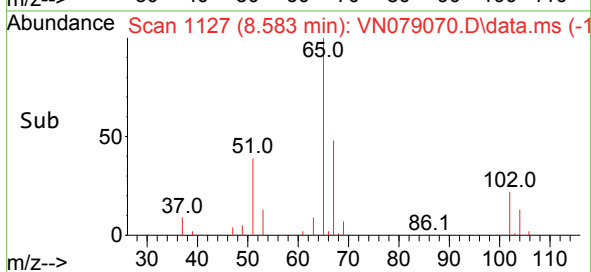
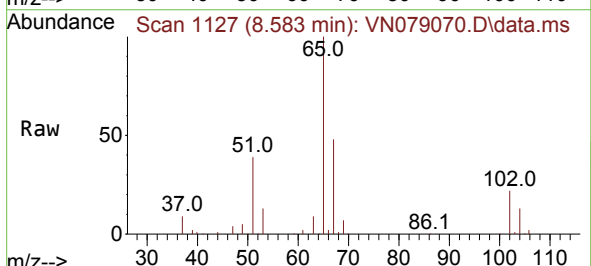
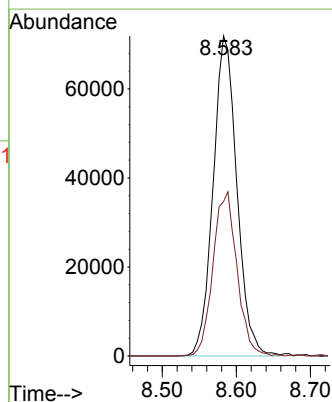
Acq: 28 Aug 2023 16:31

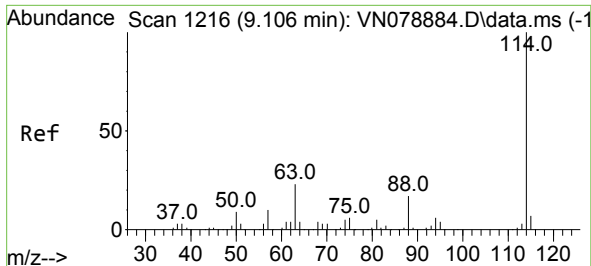
Tgt Ion: 65 Resp: 160170

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079070.D

Acq: 28 Aug 2023 16:31

Instrument :

MSVOA_N

ClientSampleId :

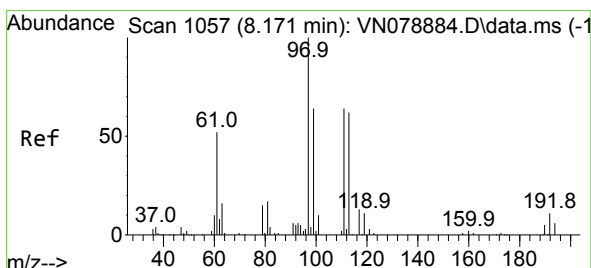
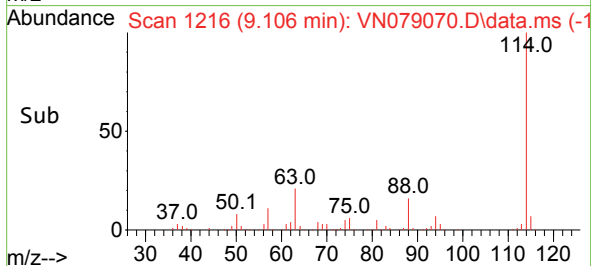
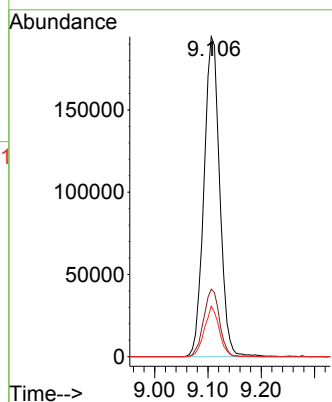
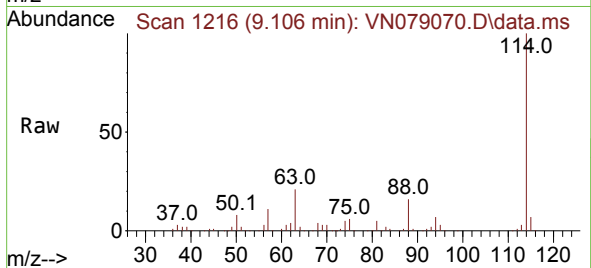
Tgt Ion:114 Resp: 399031

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.397 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079070.D

Acq: 28 Aug 2023 16:31

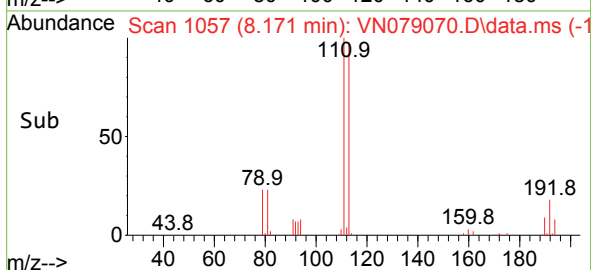
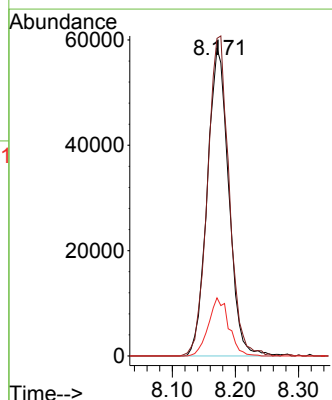
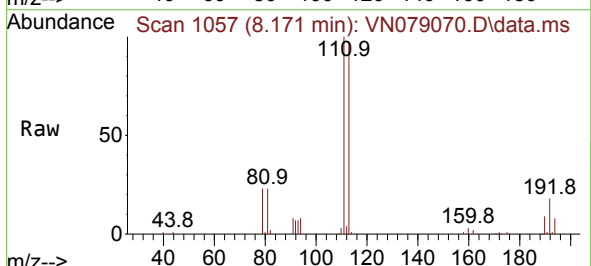
Tgt Ion:113 Resp: 138056

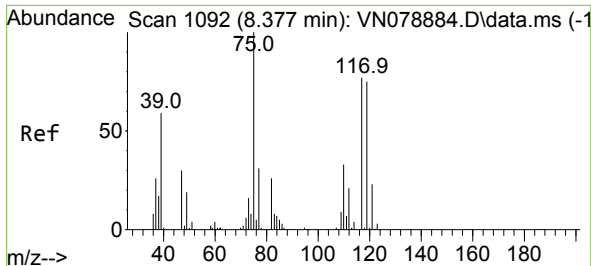
Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 18.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.364 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

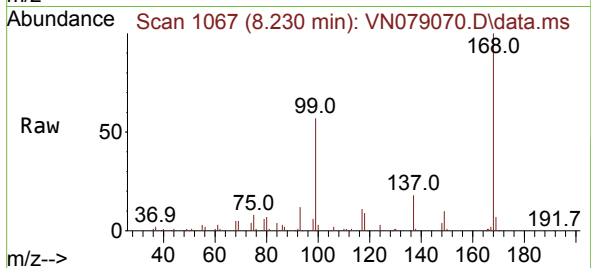
Lab File: VN079070.D

Acq: 28 Aug 2023 16:31

Instrument :

MSVOA_N

ClientSampleId :



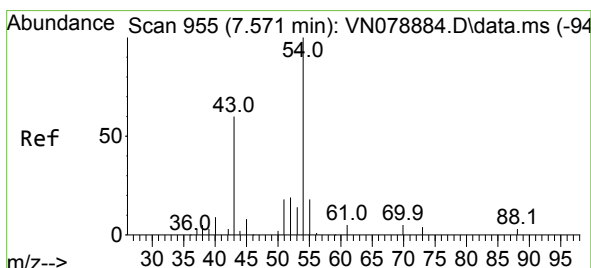
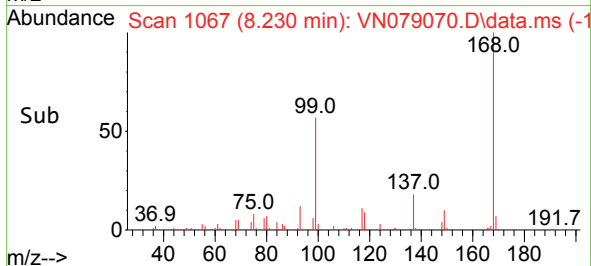
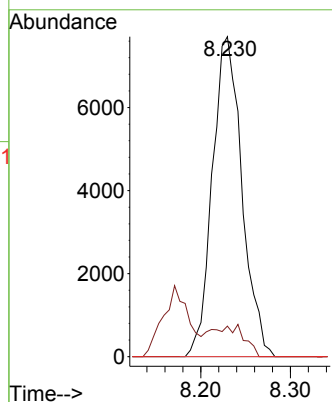
Tgt Ion: 75 Resp: 17633

Ion Ratio Lower Upper

75 100

110 1.2 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.864 ug/l

RT: 7.583 min Scan# 957

Delta R.T. 0.012 min

Lab File: VN079070.D

Acq: 28 Aug 2023 16:31

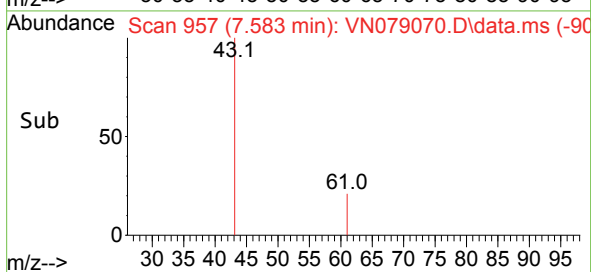
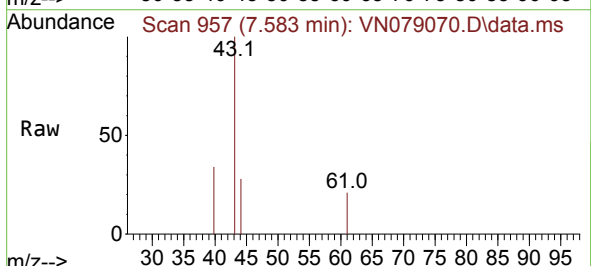
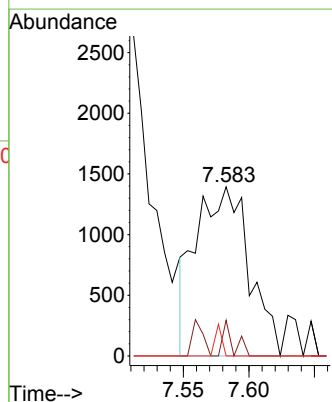
Tgt Ion: 43 Resp: 3906

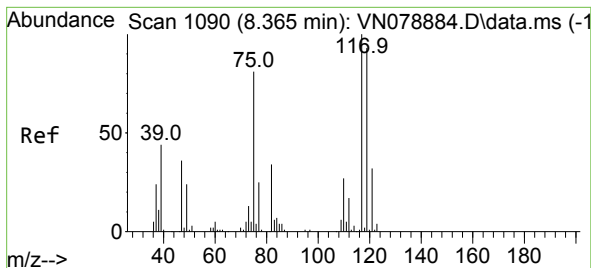
Ion Ratio Lower Upper

43 100

61 4.1 13.2 19.8#

70 2.4 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.754 ug/l

RT: 8.230 min Scan# 1090

Delta R.T. -0.141 min

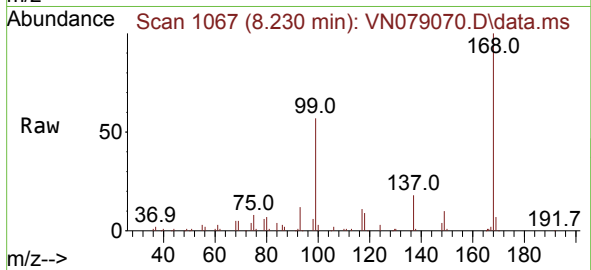
Lab File: VN079070.D

Acq: 28 Aug 2023 16:31

Instrument :

MSVOA_N

ClientSampleId :



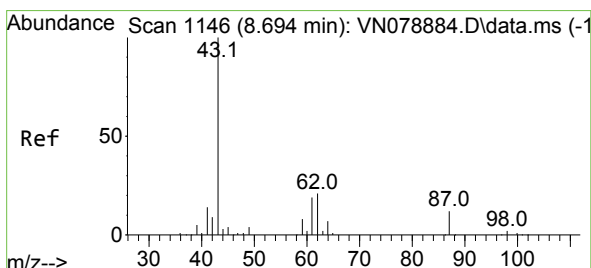
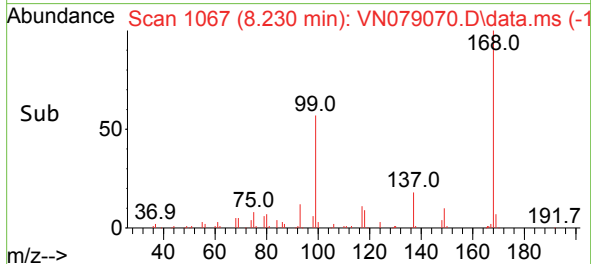
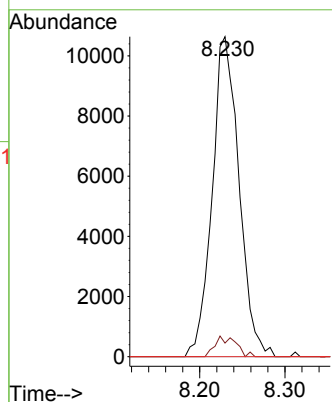
Tgt Ion:117 Resp: 23295

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 18.811 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079070.D

Acq: 28 Aug 2023 16:31

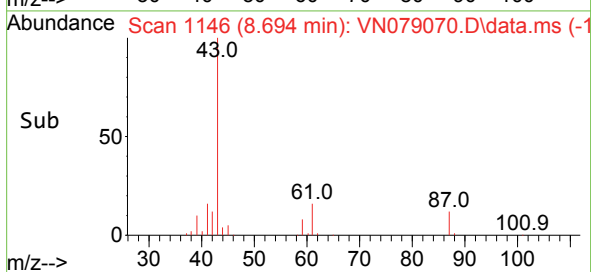
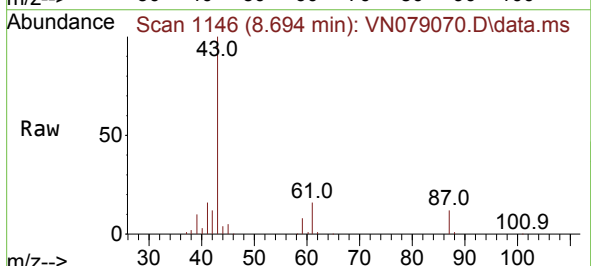
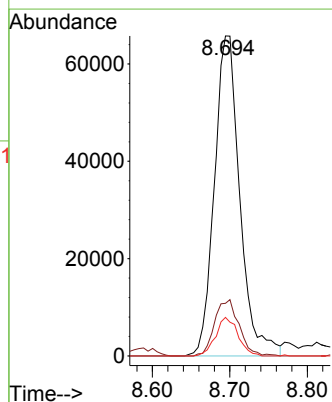
Tgt Ion: 43 Resp: 150308

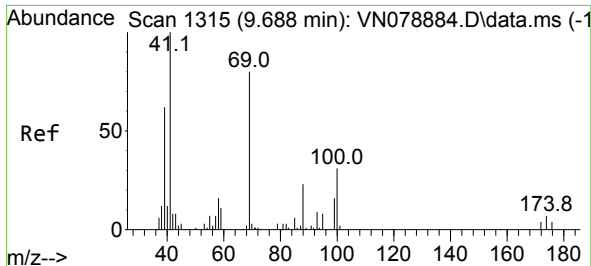
Ion Ratio Lower Upper

43 100

61 17.0 24.7 37.1#

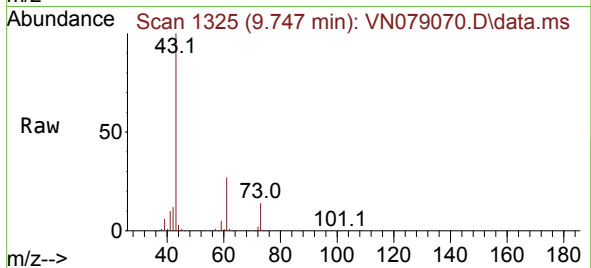
87 10.6 14.6 21.8#



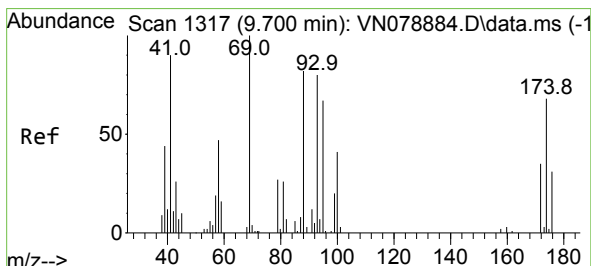
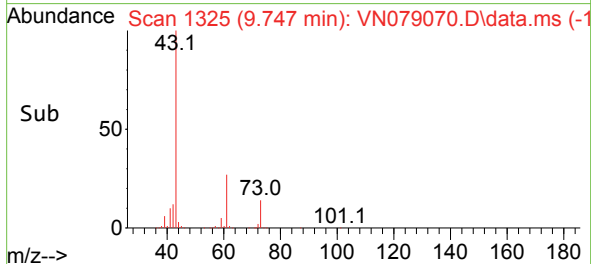
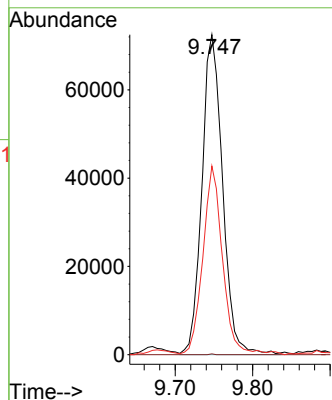


#48
Methyl methacrylate
Concen: 37.173 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

Instrument :
MSVOA_N
ClientSampleId :

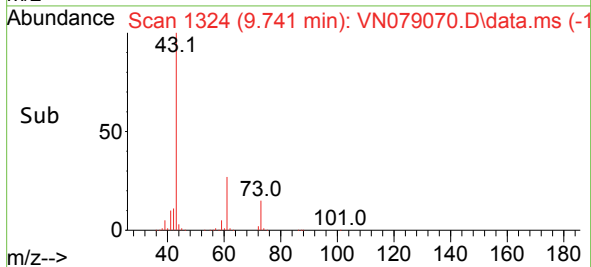
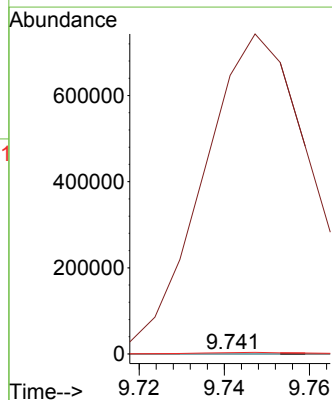
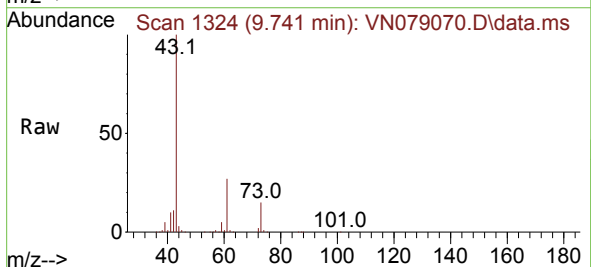


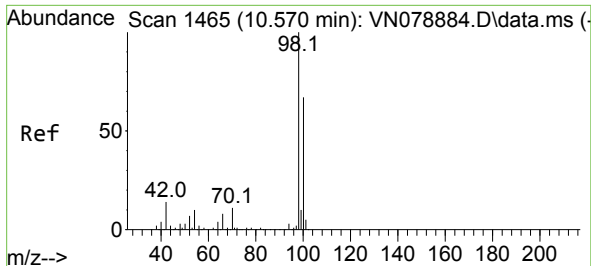
Tgt Ion: 41 Resp: 134597
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 56.0 54.6 81.8



#49
1,4-Dioxane
Concen: 1.119 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 1982400.0 17.0 25.6#
58 9708.7 47.0 70.4#

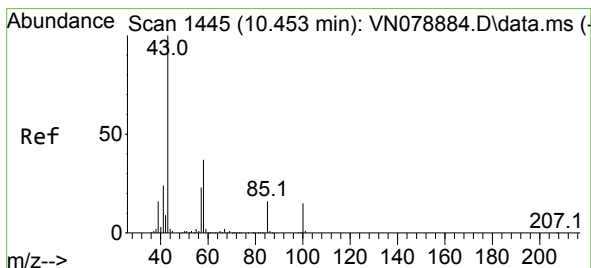
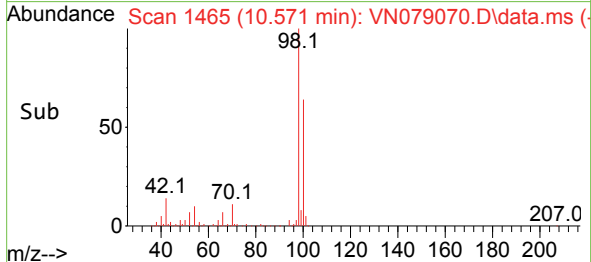
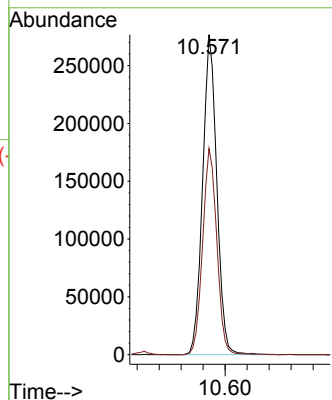
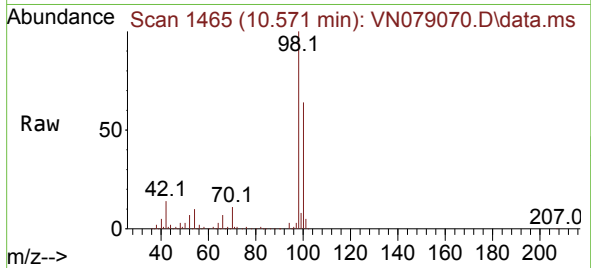




#50
Toluene-d8
Concen: 49.690 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

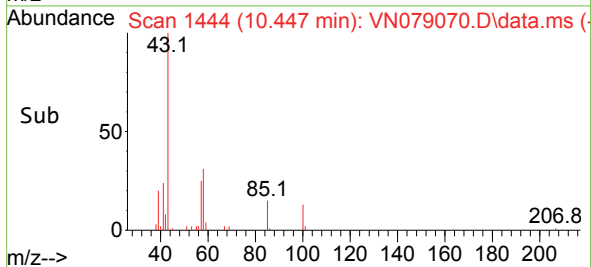
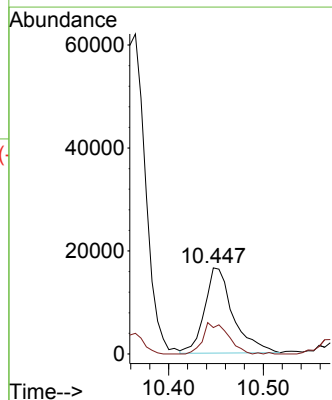
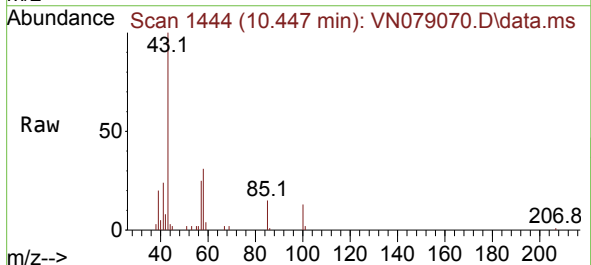
Instrument :
MSVOA_N
ClientSampleId :

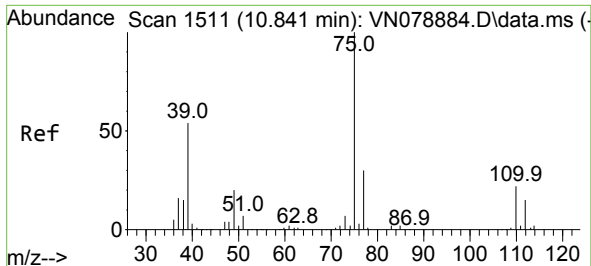
Tgt Ion: 98 Resp: 495590
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 7.304 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

Tgt Ion: 43 Resp: 34616
Ion Ratio Lower Upper
43 100
58 32.0 36.6 54.8#

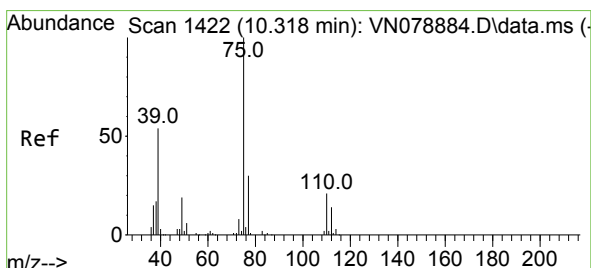
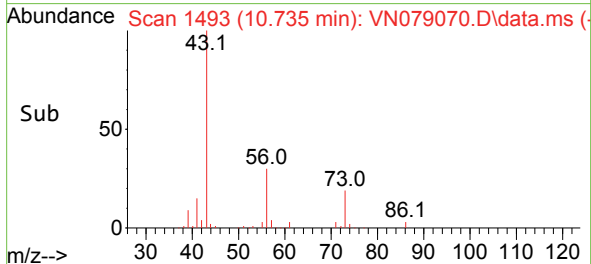
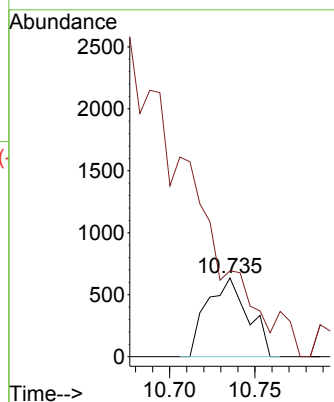
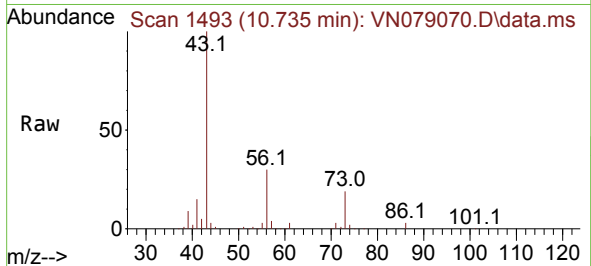




#53
 t-1,3-Dichloropropene
 Concen: 0.230 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN079070.D
 Acq: 28 Aug 2023 16:31

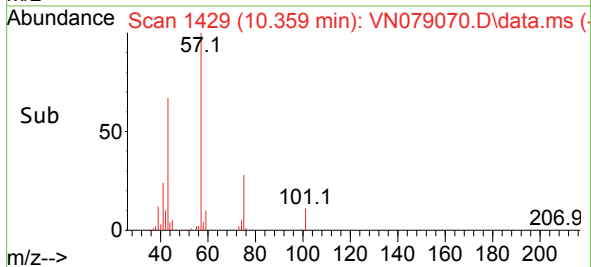
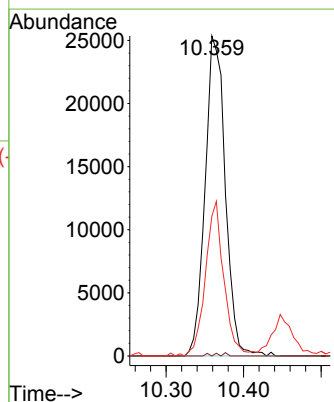
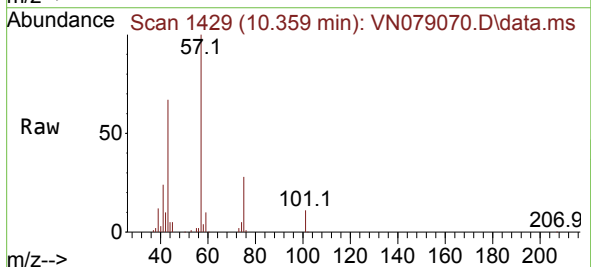
Instrument :
 MSVOA_N
 ClientSampleId :

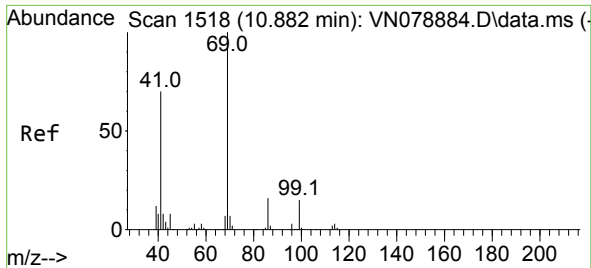
Tgt Ion: 75 Resp: 1060
 Ion Ratio Lower Upper
 75 100
 77 51.6 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.121 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079070.D
 Acq: 28 Aug 2023 16:31

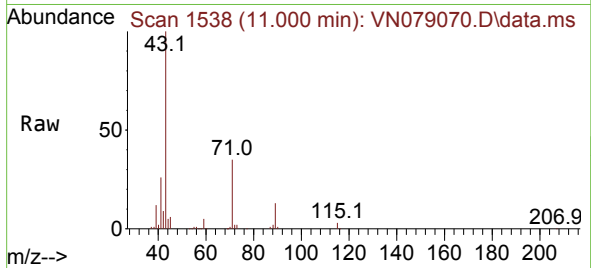
Tgt Ion: 75 Resp: 45876
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 43.0 31.6 47.4



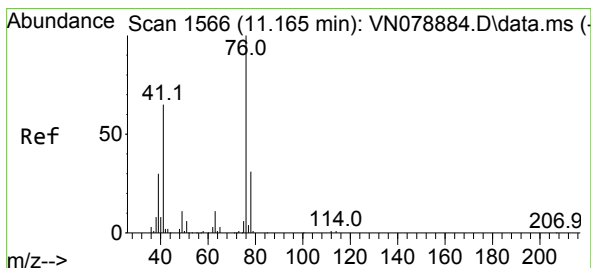
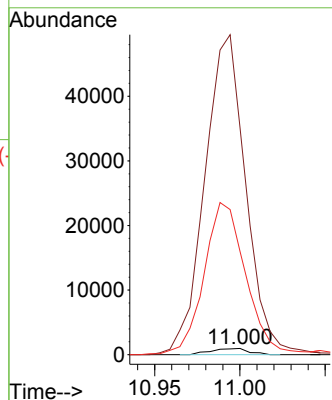
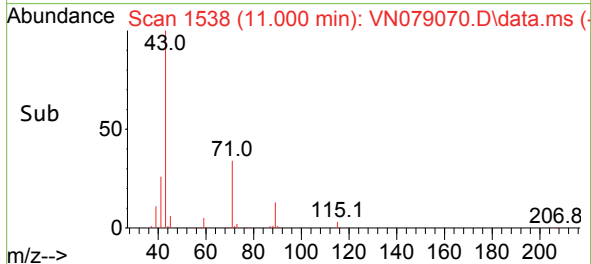


#56
Ethyl methacrylate
Concen: 0.324 ug/l
RT: 11.000 min Scan# 1538
Delta R.T. 0.123 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

Instrument :
MSVOA_N
ClientSampleId :

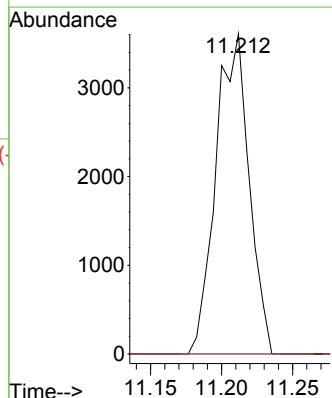
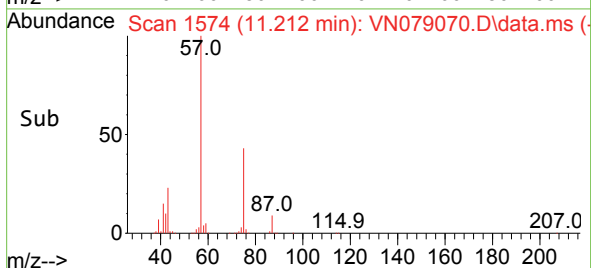
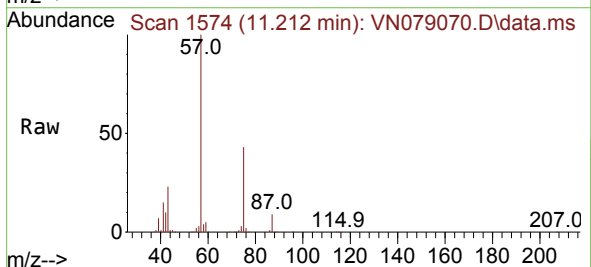


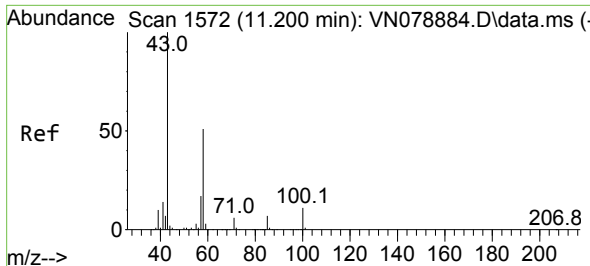
Tgt Ion: 69 Resp: 1477
Ion Ratio Lower Upper
69 100
41 5644.1 39.6 59.4#
39 2720.9 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.115 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.047 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

Tgt Ion: 76 Resp: 5866
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

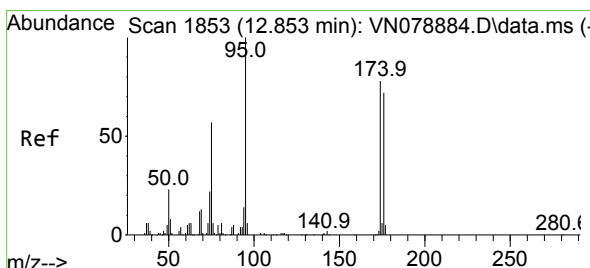
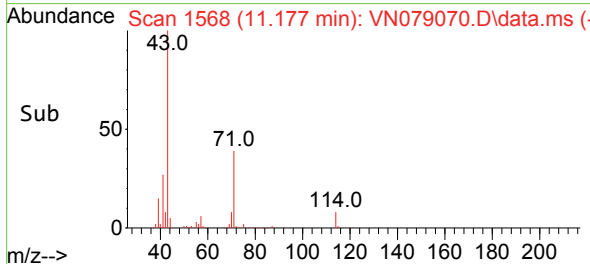
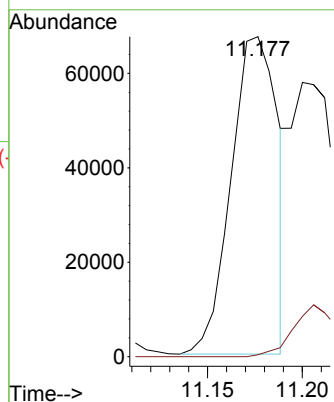
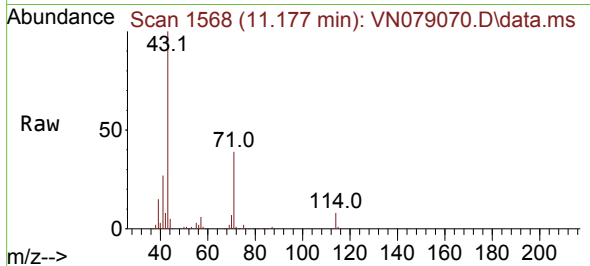




#59
2-Hexanone
Concen: 33.473 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

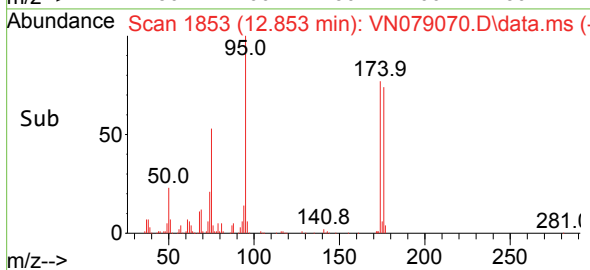
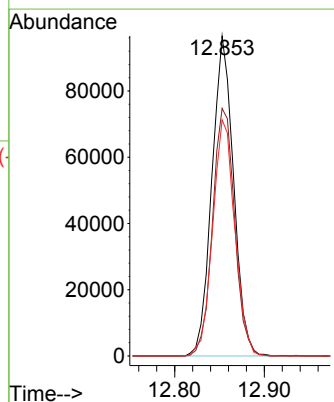
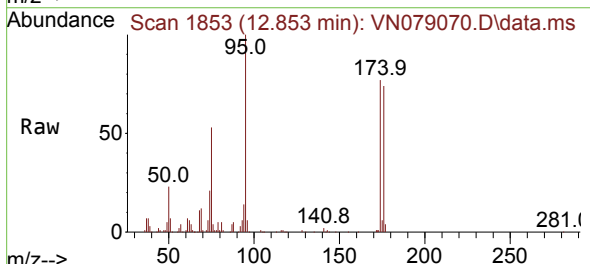
Instrument :
MSVOA_N
ClientSampleId :

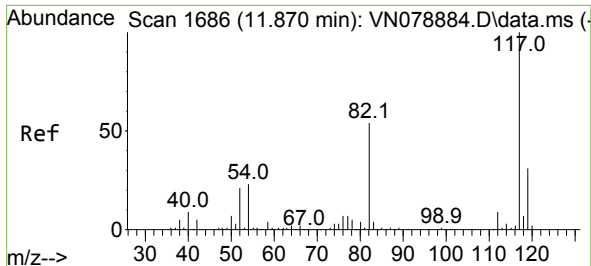
Tgt Ion: 43 Resp: 114898
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.593 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

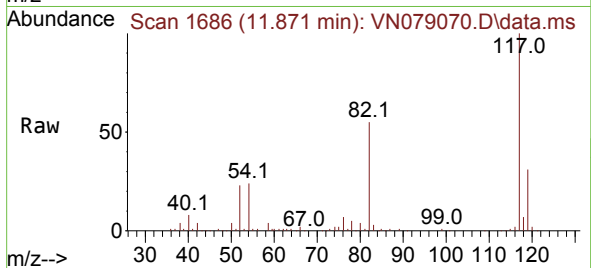
Tgt Ion: 95 Resp: 161671
Ion Ratio Lower Upper
95 100
174 78.8 0.0 143.8
176 75.4 0.0 135.8



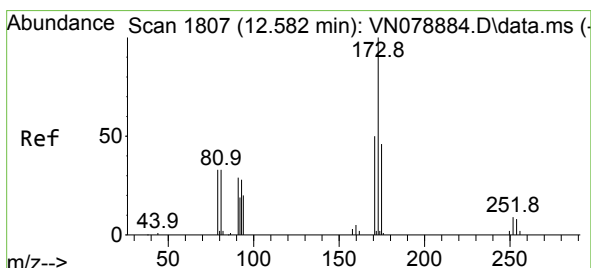
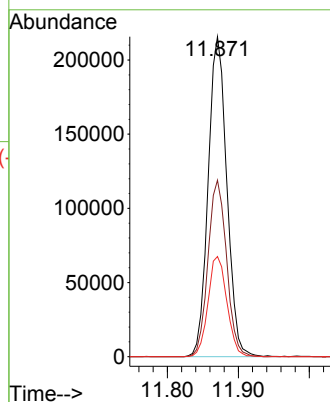
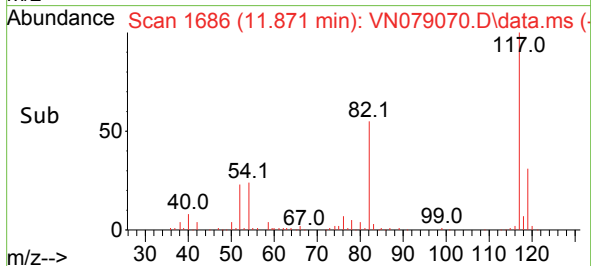


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

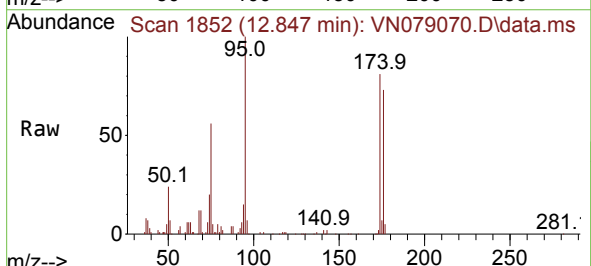
Instrument :
MSVOA_N
ClientSampleId :



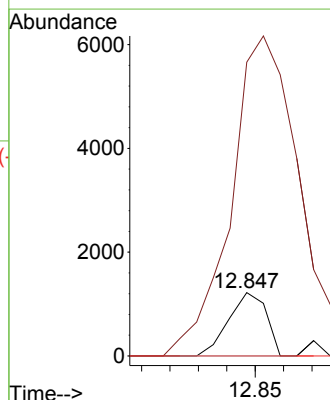
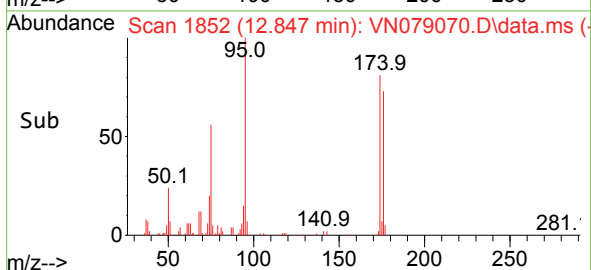
Tgt Ion:117 Resp: 393729
Ion Ratio Lower Upper
117 100
82 55.2 44.0 66.0
119 31.3 25.6 38.4

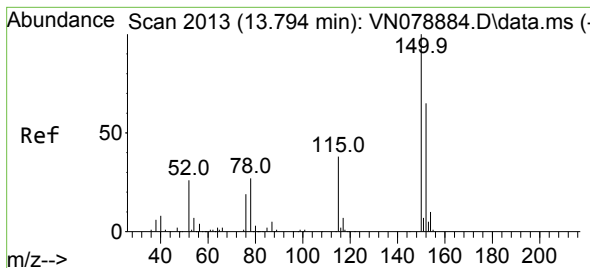


#71
Bromoform
Concen: 0.490 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31



Tgt Ion:173 Resp: 1128
Ion Ratio Lower Upper
173 100
175 694.9 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN079070.D

Acq: 28 Aug 2023 16:31

Instrument :

MSVOA_N

ClientSampleId :

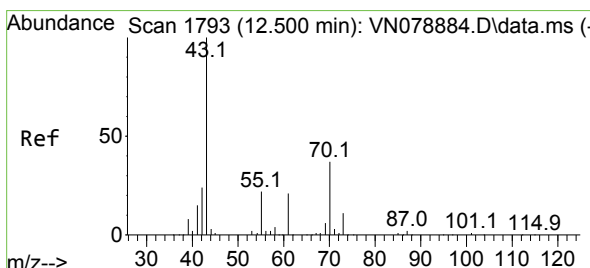
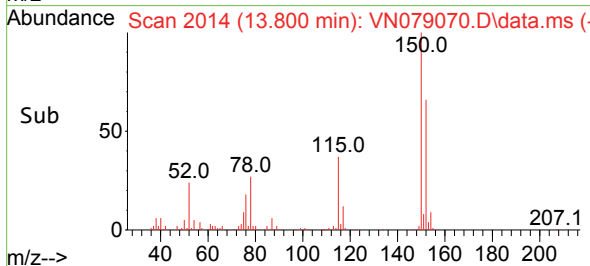
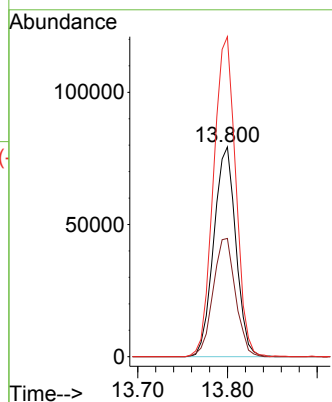
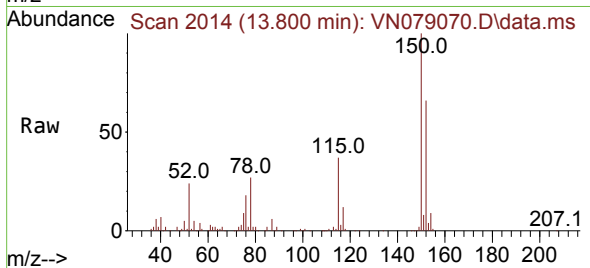
Tgt Ion:152 Resp: 135547

Ion Ratio Lower Upper

152 100

115 57.4 32.3 96.8

150 153.6 0.0 355.8



#74

N-ethyl acetate

Concen: 0.336 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.012 min

Lab File: VN079070.D

Acq: 28 Aug 2023 16:31

Tgt Ion: 43 Resp: 1916

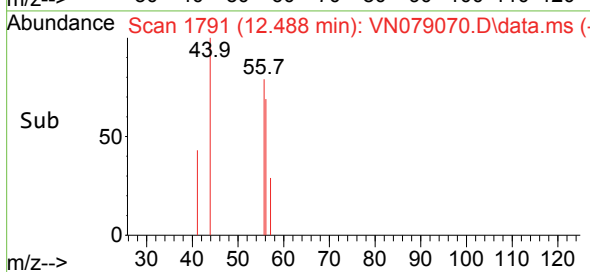
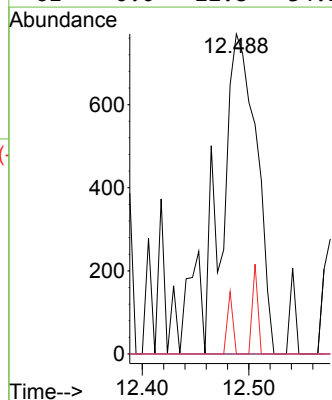
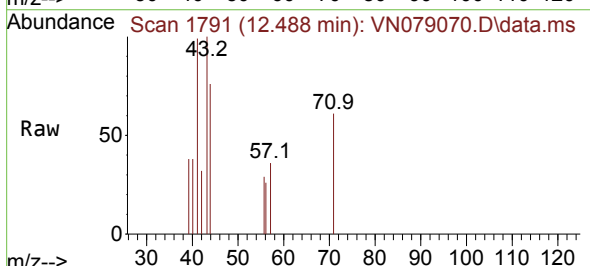
Ion Ratio Lower Upper

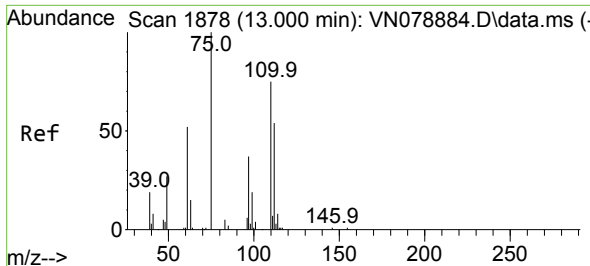
43 100

70 0.0 43.4 65.2#

55 2.8 21.4 32.0#

61 0.0 22.8 34.2#

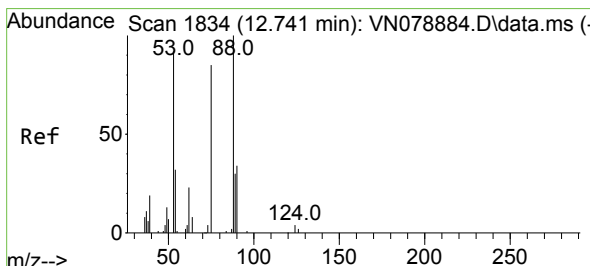
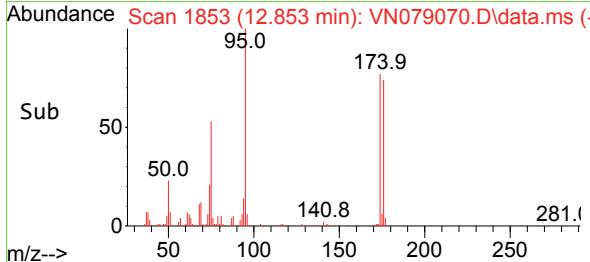
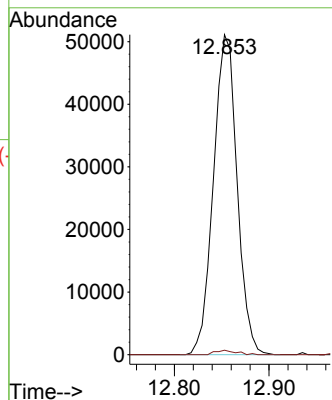
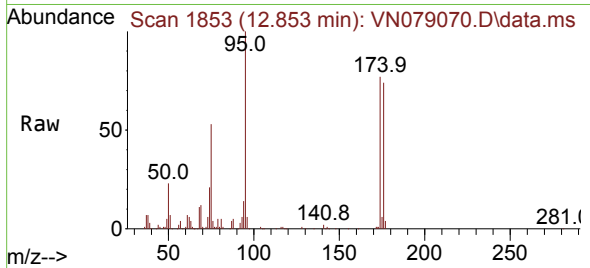




#76
 1,2,3-Trichloropropane
 Concen: 27.188 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079070.D
 Acq: 28 Aug 2023 16:31

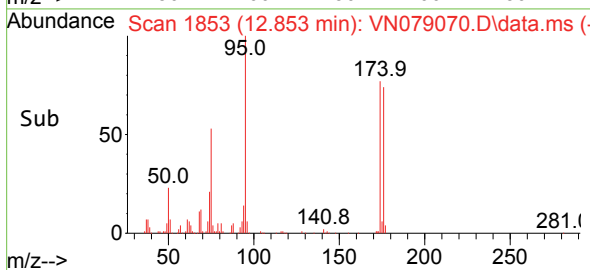
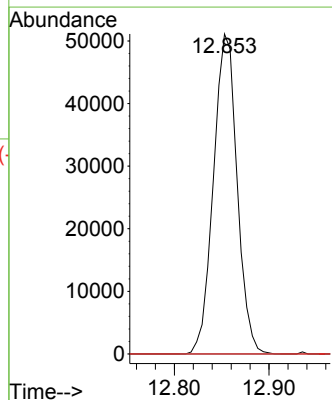
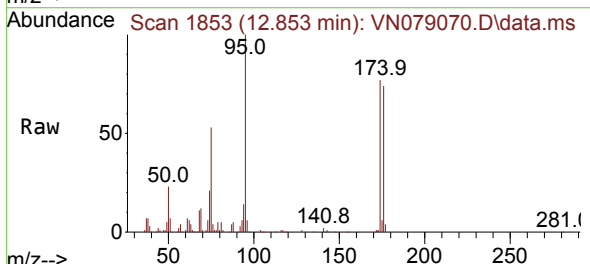
Instrument :
 MSVOA_N
 ClientSampleId :

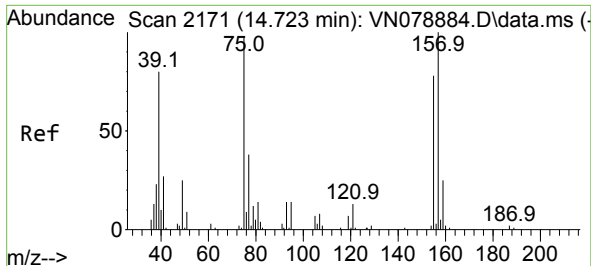
Tgt Ion: 75 Resp: 88796
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.453 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079070.D
 Acq: 28 Aug 2023 16:31

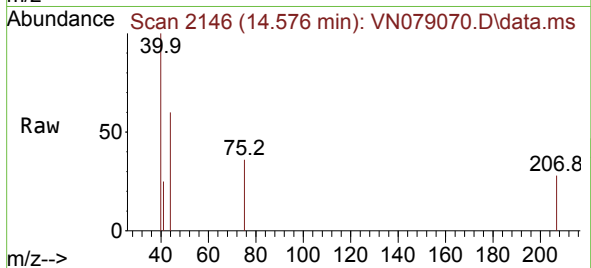
Tgt Ion: 75 Resp: 88796
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



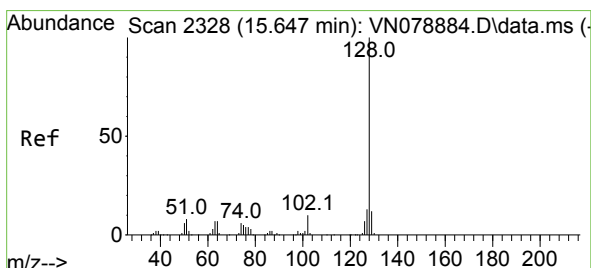
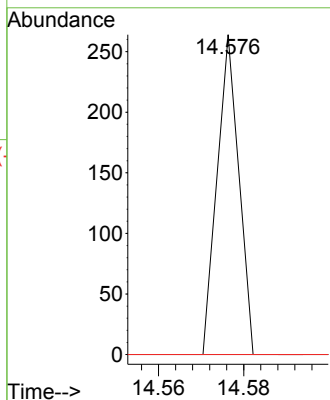
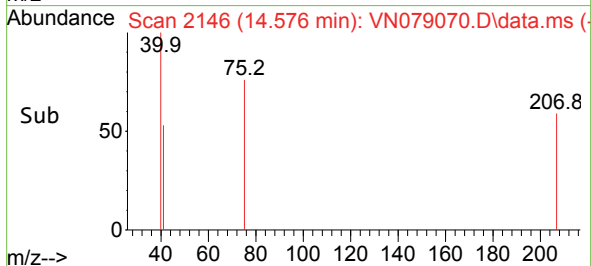


#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.576 min Scan# 2171
Delta R.T. -0.147 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31

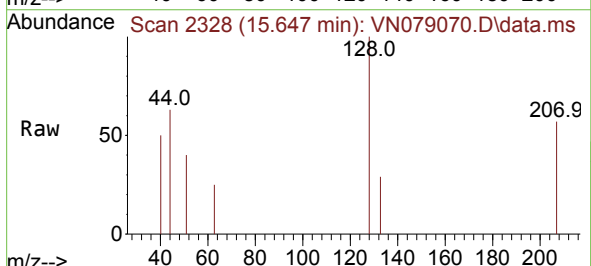
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 93
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#



#95
Naphthalene
Concen: 2.712 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079070.D
Acq: 28 Aug 2023 16:31



Tgt Ion: 128 Resp: 906
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 6.0 8.7 13.1#

