

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062123\
 Data File : VN078340.D
 Acq On : 21 Jun 2023 22:23
 Operator : JC\MD
 Sample : 03357-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

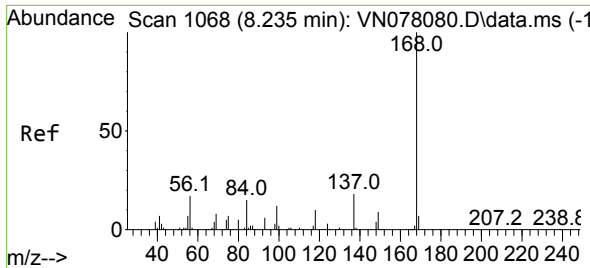
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 04:57:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	454759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	876859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	804330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	259198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	333007	54.921	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.840%			
35) Dibromofluoromethane	8.171	113	303711	54.779	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.560%			
50) Toluene-d8	10.571	98	1047510	49.009	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.020%			
62) 4-Bromofluorobenzene	12.853	95	333095	50.130	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.260%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1287	Below Cal	#	77
11) Tert butyl alcohol	5.541	59	1096	1.309	ug/l #	72
16) Acetone	4.441	43	172206	98.671	ug/l	93
18) Methyl Acetate	5.047	43	10194	1.269	ug/l #	83
20) Methylene Chloride	5.283	84	14123	2.449	ug/l #	90
25) 2-Butanone	7.500	43	43178	16.088	ug/l	97
29) Tetrahydrofuran	7.847	42	770	0.429	ug/l #	48
31) Cyclohexane	8.235	56	11300	1.453	ug/l #	27
36) 1,1-Dichloropropene	8.229	75	40328	5.071	ug/l #	48
37) Ethyl Acetate	7.577	43	15340	2.469	ug/l #	91
38) Carbon Tetrachloride	8.235	117	52788	6.286	ug/l #	14
43) Isopropyl Acetate	8.694	43	187657	15.794	ug/l #	75
48) Methyl methacrylate	9.676	41	6494	1.302	ug/l #	33
51) 4-Methyl-2-Pentanone	10.453	43	289334	46.245	ug/l	92
54) cis-1,3-Dichloropropene	10.365	75	68392	7.351	ug/l #	69
59) 2-Hexanone	11.176	43	243032	55.788	ug/l #	19
71) Bromoform	12.853	173	3243	0.793	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	376	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	176905	28.870	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	176905	88.699	ug/l #	15

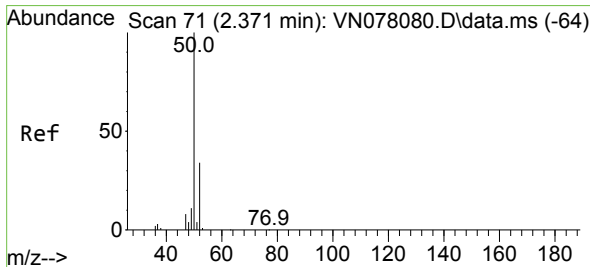
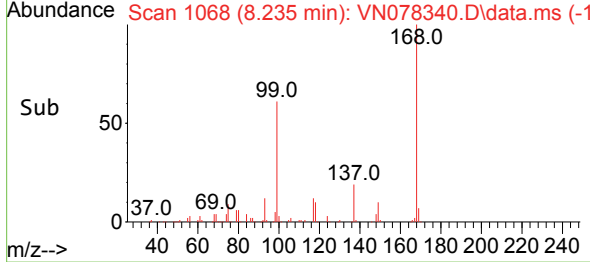
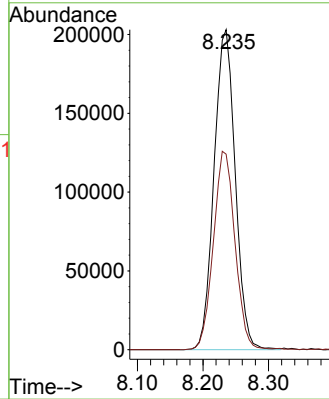
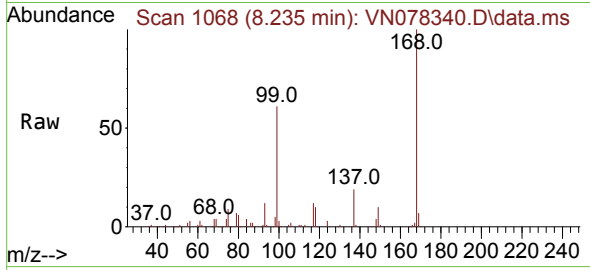
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

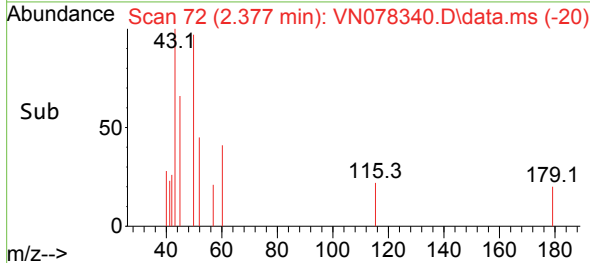
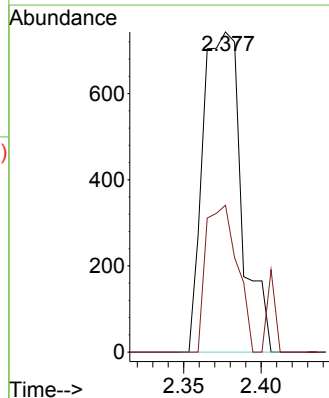
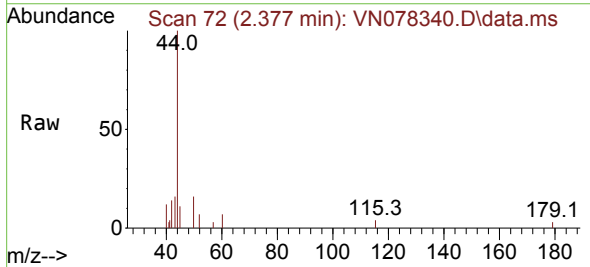
Instrument :
MSVOA_N
ClientSampleId :

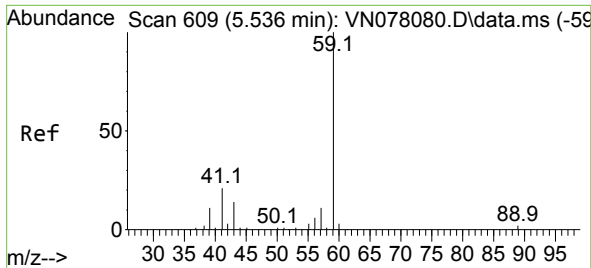
Tgt Ion:168 Resp: 454759
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

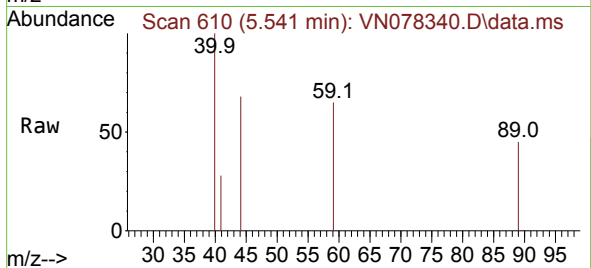
Tgt Ion: 50 Resp: 1287
Ion Ratio Lower Upper
50 100
52 45.9 26.5 39.7#



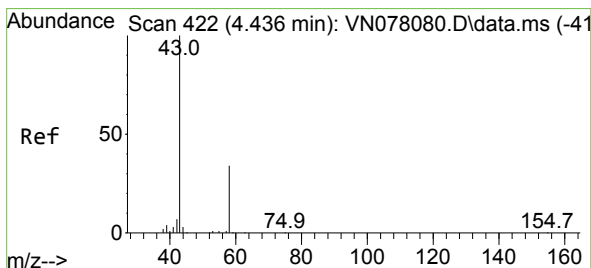
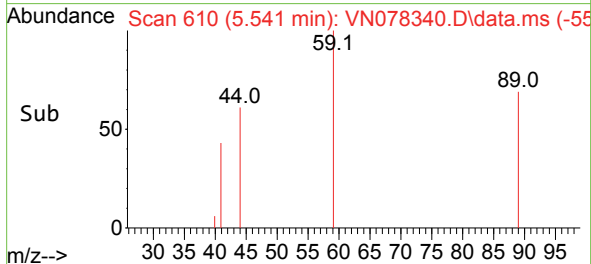
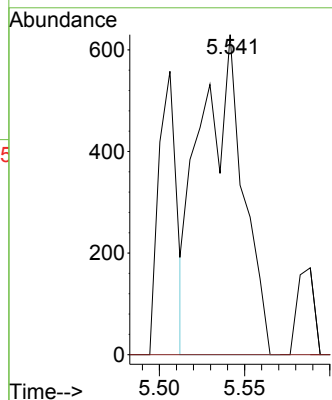


#11
Tert butyl alcohol
Concen: 1.309 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

Instrument :
MSVOA_N
ClientSampleId :

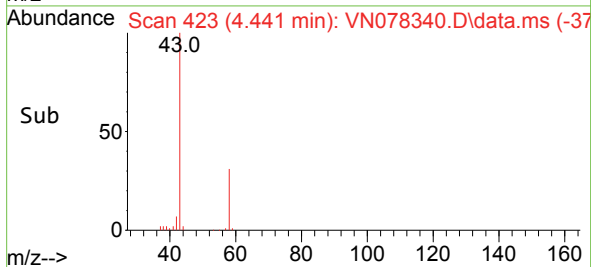
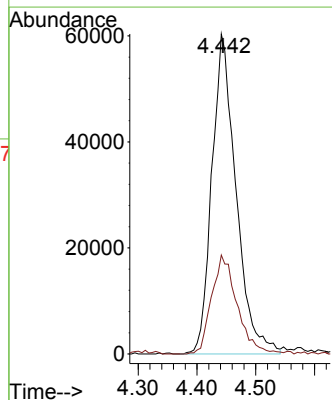
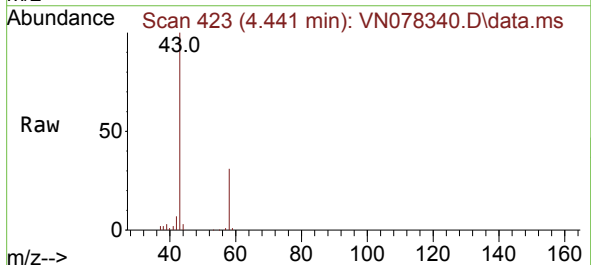


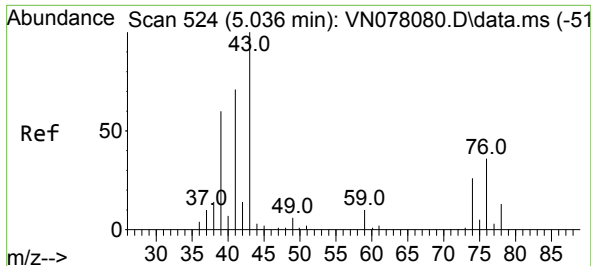
Tgt Ion: 59 Resp: 1096
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 98.671 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

Tgt Ion: 43 Resp: 172206
Ion Ratio Lower Upper
43 100
58 30.9 28.0 42.0

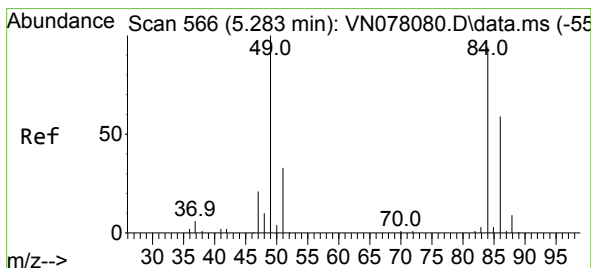
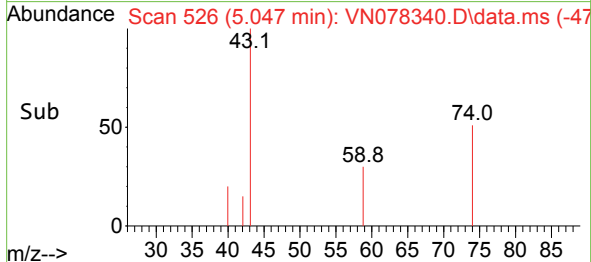
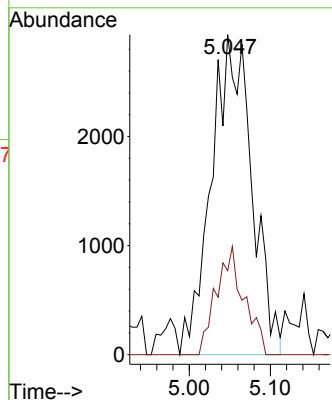
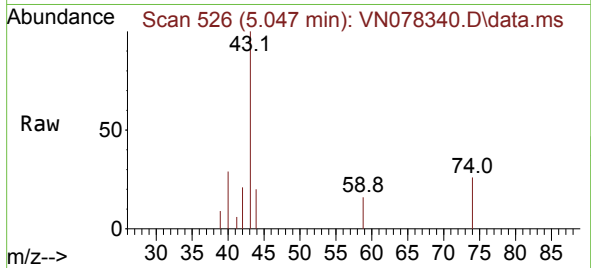




#18
Methyl Acetate
Concen: 1.269 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

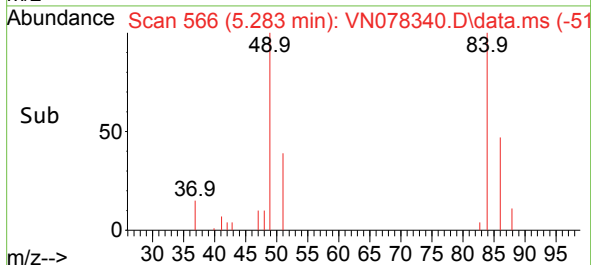
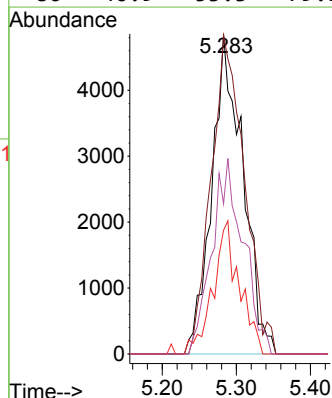
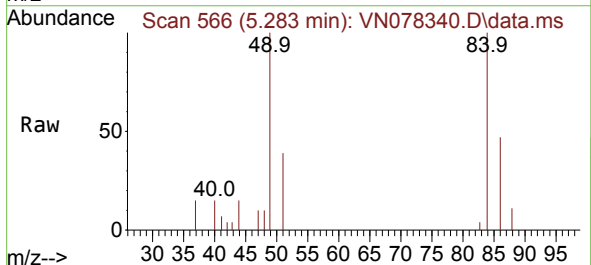
Instrument :
MSVOA_N
ClientSampleId :

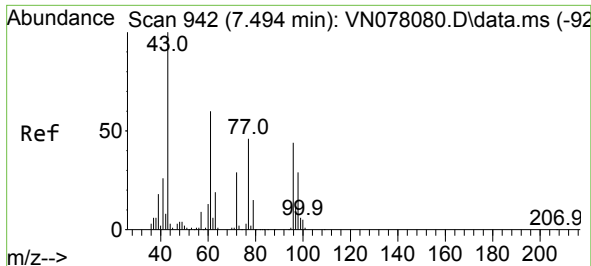
Tgt Ion: 43 Resp: 10194
Ion Ratio Lower Upper
43 100
74 23.1 26.2 39.4#



#20
Methylene Chloride
Concen: 2.449 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

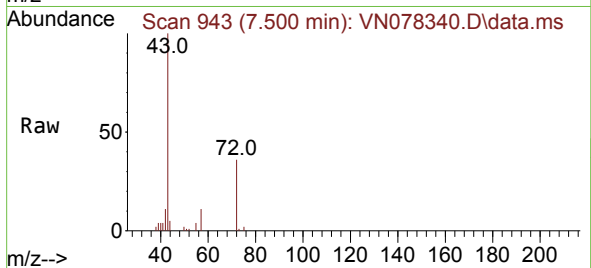
Tgt Ion: 84 Resp: 14123
Ion Ratio Lower Upper
84 100
49 99.5 79.7 119.5
51 38.7 25.2 37.8#
86 46.9 53.3 79.9#



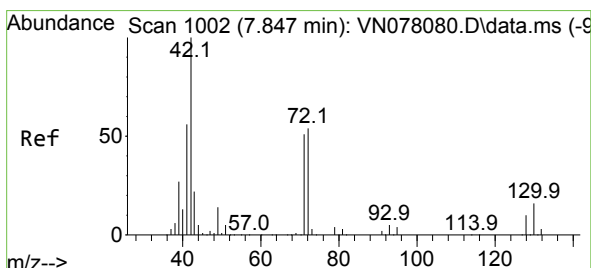
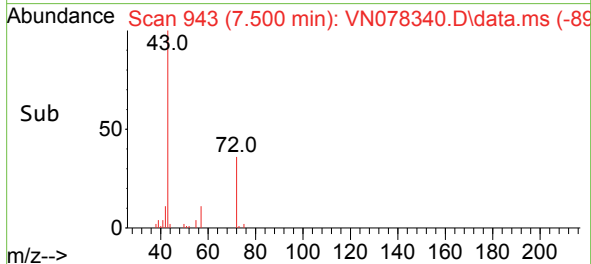
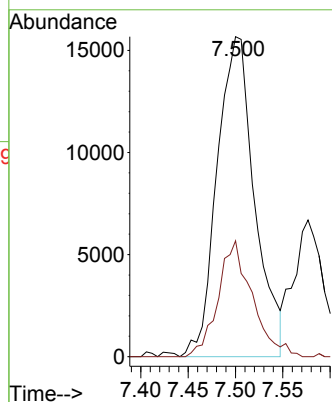


#25
2-Butanone
Concen: 16.088 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

Instrument :
MSVOA_N
ClientSampleId :

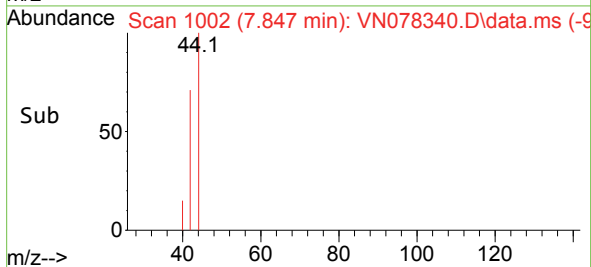
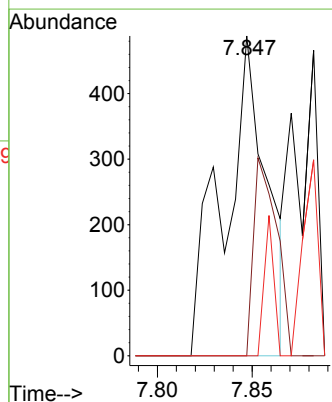
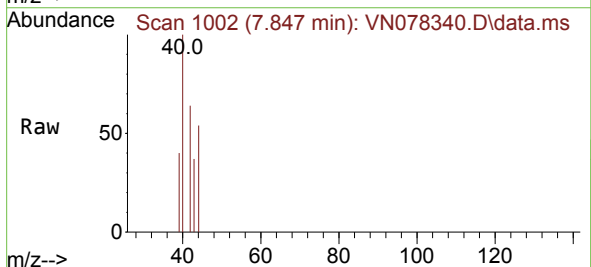


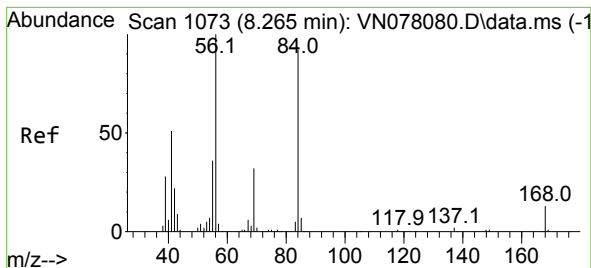
Tgt Ion: 43 Resp: 43178
Ion Ratio Lower Upper
43 100
72 36.2 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.429 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. -0.000 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

Tgt Ion: 42 Resp: 770
Ion Ratio Lower Upper
42 100
72 33.1 49.8 74.6#
71 9.7 47.4 71.2#





#31

Cyclohexane

Concen: 1.453 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.029 min

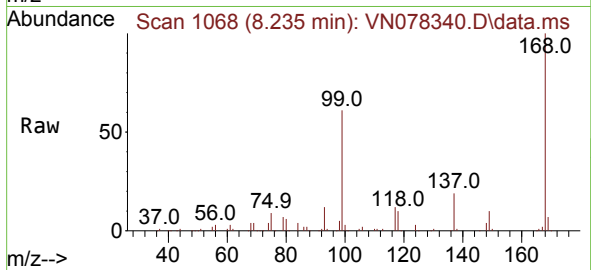
Lab File: VN078340.D

Acq: 21 Jun 2023 22:23

Instrument :

MSVOA_N

ClientSampleId :



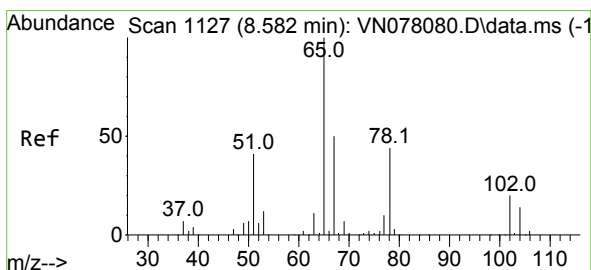
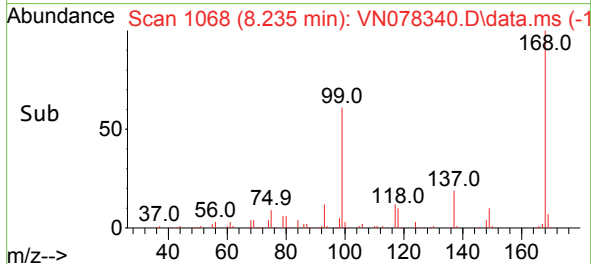
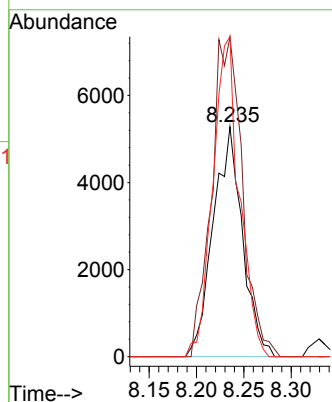
Tgt Ion: 56 Resp: 11300

Ion Ratio Lower Upper

56 100

69 139.1 26.8 40.2#

84 139.2 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 54.921 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078340.D

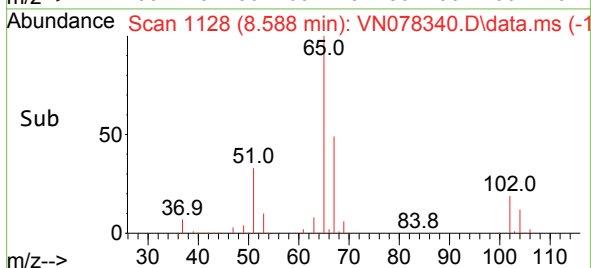
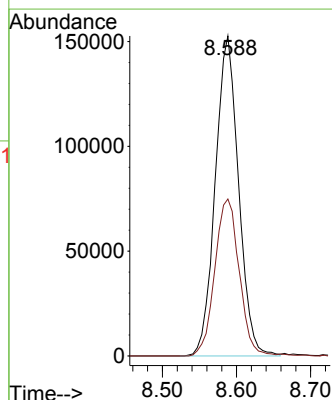
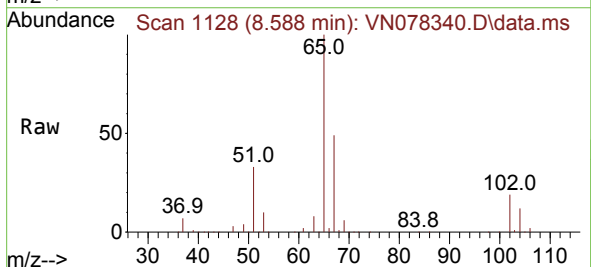
Acq: 21 Jun 2023 22:23

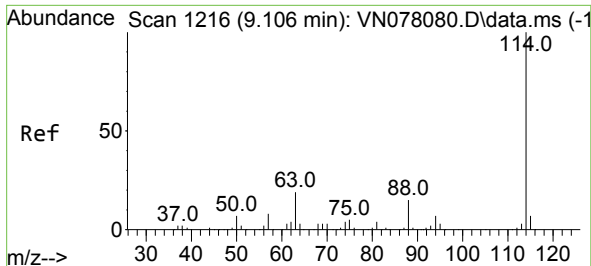
Tgt Ion: 65 Resp: 333007

Ion Ratio Lower Upper

65 100

67 51.6 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: VN078340.D

Acq: 21 Jun 2023 22:23

Instrument :

MSVOA_N

ClientSampleId :

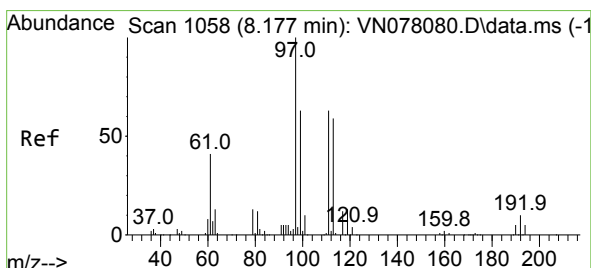
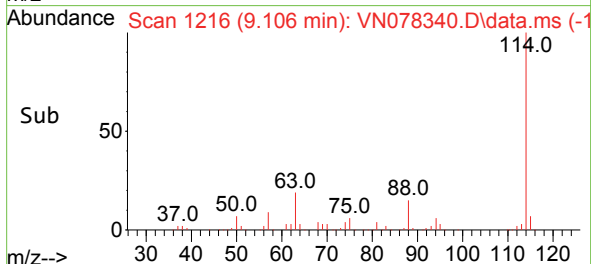
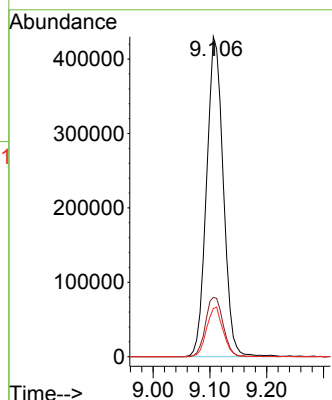
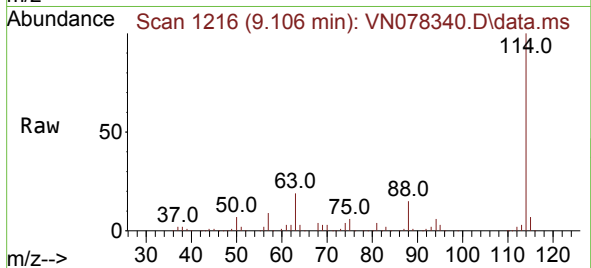
Tgt Ion:114 Resp: 876859

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.779 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078340.D

Acq: 21 Jun 2023 22:23

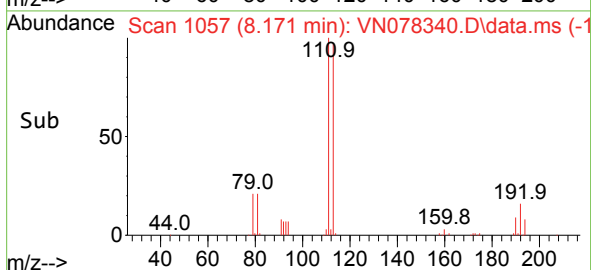
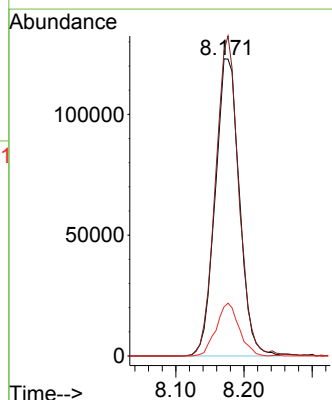
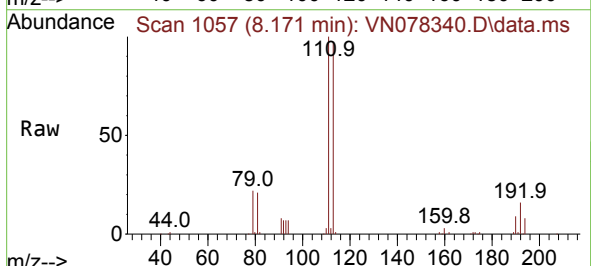
Tgt Ion:113 Resp: 303711

Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 16.9 12.7 19.1

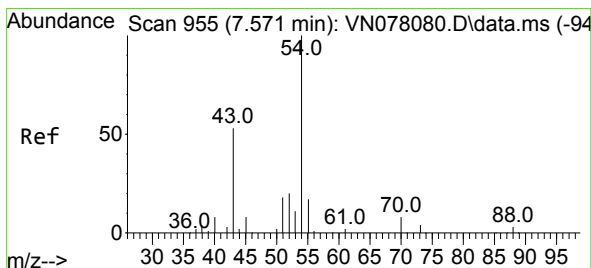
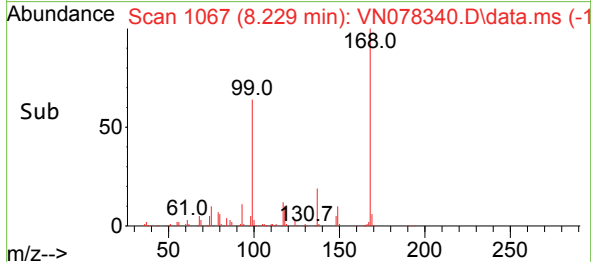
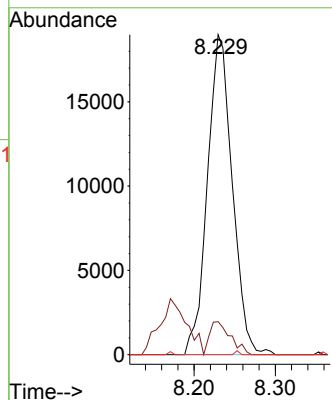
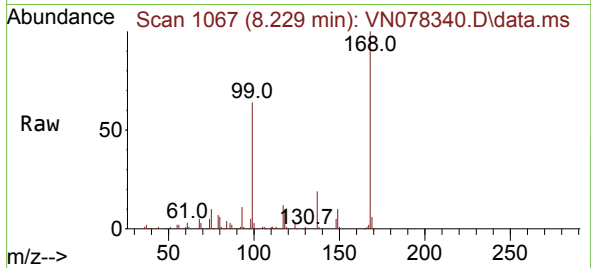




#36
1,1-Dichloropropene
Concen: 5.071 ug/l
RT: 8.229 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

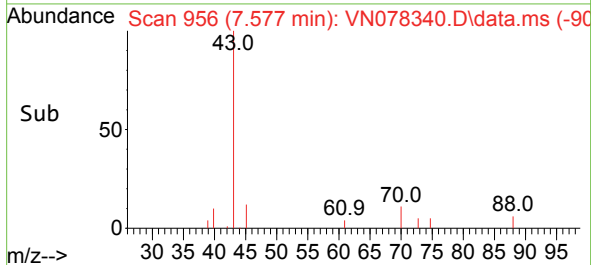
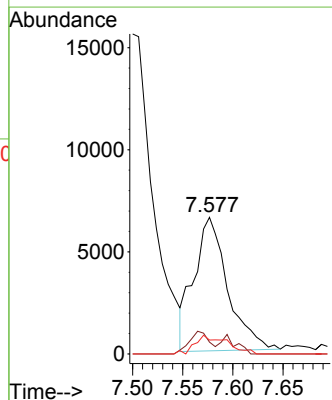
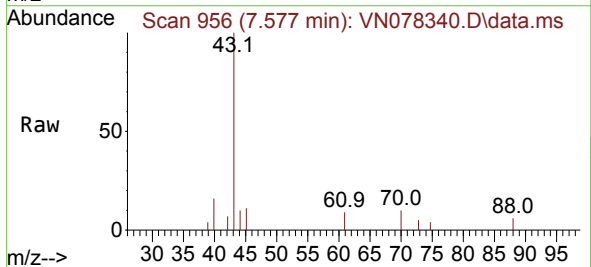
Instrument :
MSVOA_N
ClientSampleId :

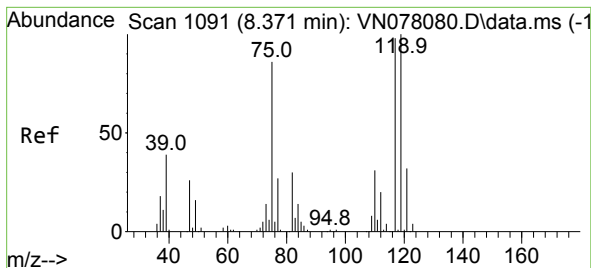
Tgt Ion: 75 Resp: 40328
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.469 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

Tgt Ion: 43 Resp: 15340
Ion Ratio Lower Upper
43 100
61 10.1 13.2 19.8#
70 13.3 11.3 16.9





#38

Carbon Tetrachloride

Concen: 6.286 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

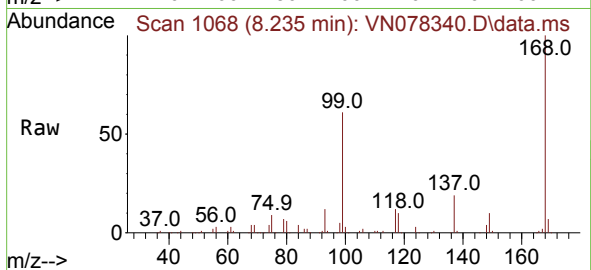
Lab File: VN078340.D

Acq: 21 Jun 2023 22:23

Instrument :

MSVOA_N

ClientSampleId :



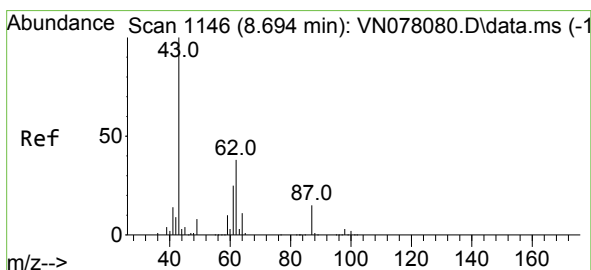
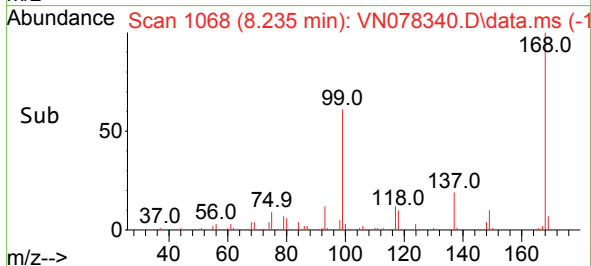
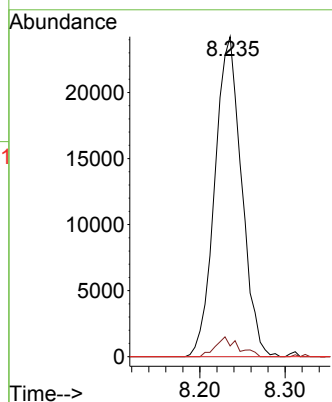
Tgt Ion:117 Resp: 52788

Ion Ratio Lower Upper

117 100

119 3.3 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 15.794 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN078340.D

Acq: 21 Jun 2023 22:23

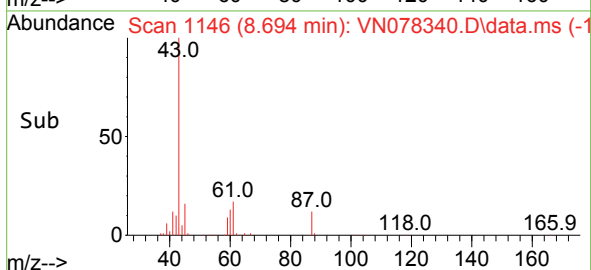
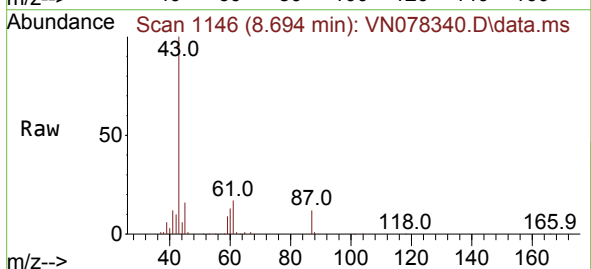
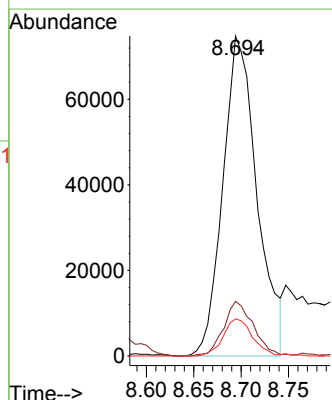
Tgt Ion: 43 Resp: 187657

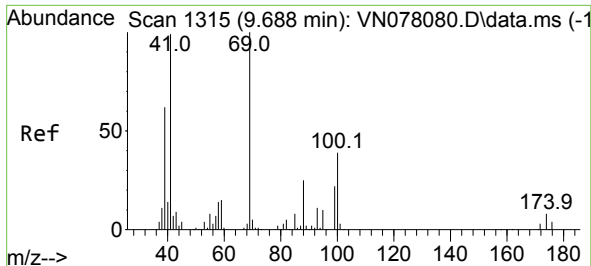
Ion Ratio Lower Upper

43 100

61 14.9 24.7 37.1#

87 9.9 14.6 21.8#

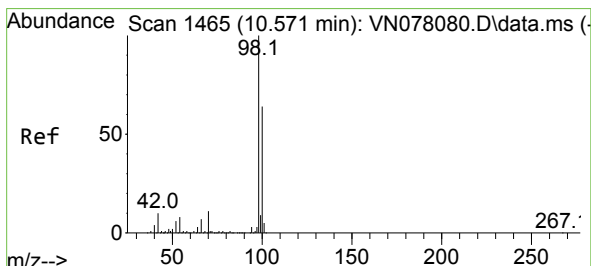
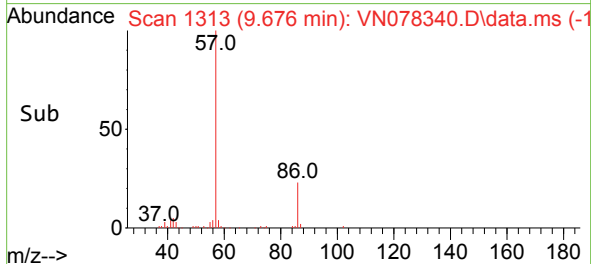
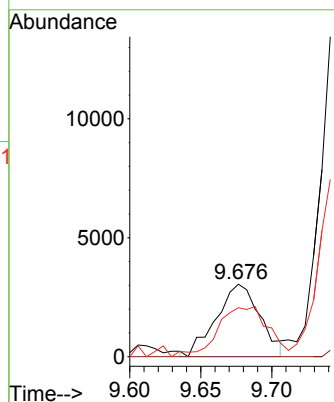
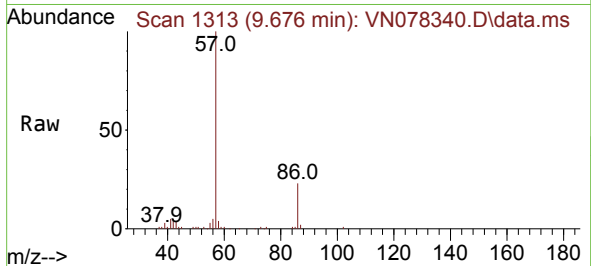




#48
Methyl methacrylate
Concen: 1.302 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

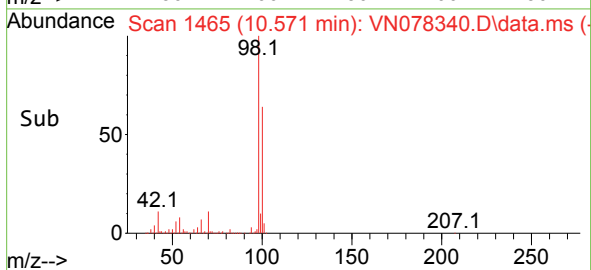
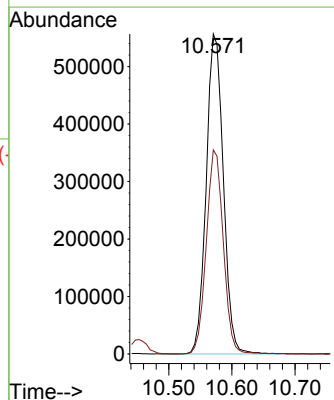
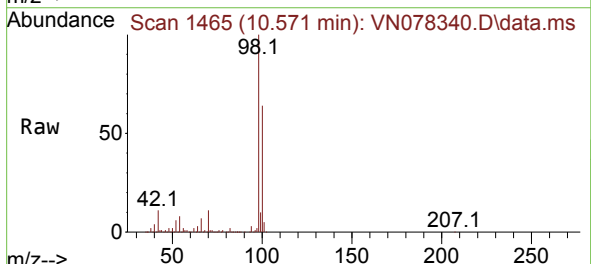
Instrument :
MSVOA_N
ClientSampleId :

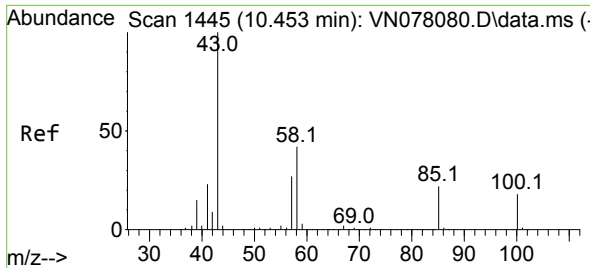
Tgt Ion: 41 Resp: 6494
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 65.1 54.6 81.8



#50
Toluene-d8
Concen: 49.009 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

Tgt Ion: 98 Resp: 1047510
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

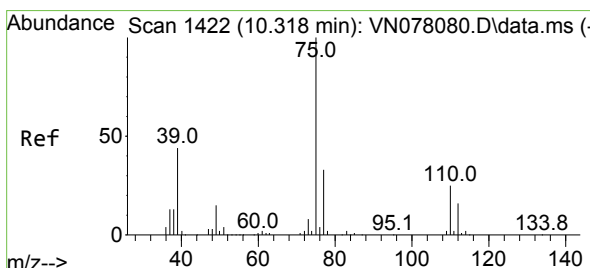
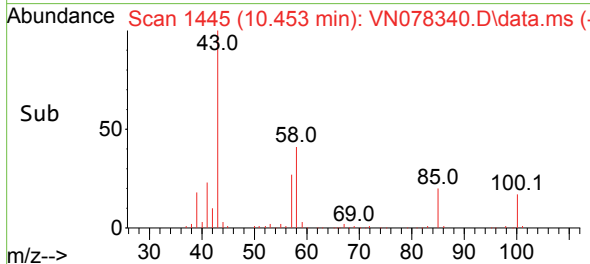
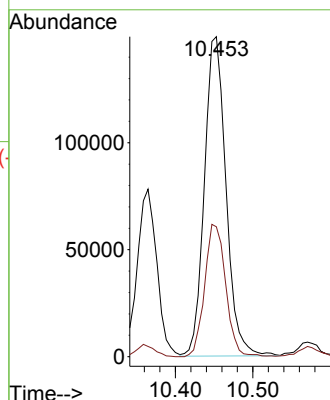
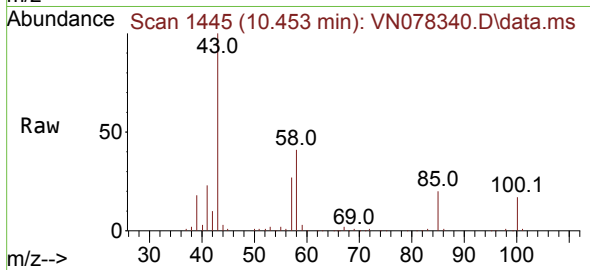




#51
4-Methyl-2-Pentanone
Concen: 46.245 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

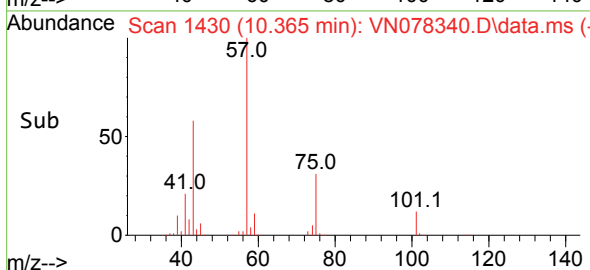
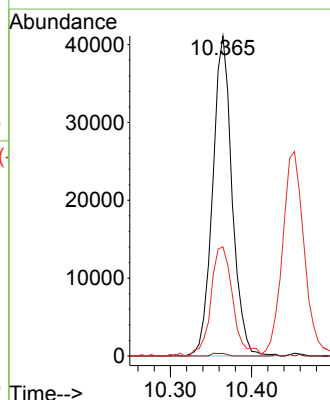
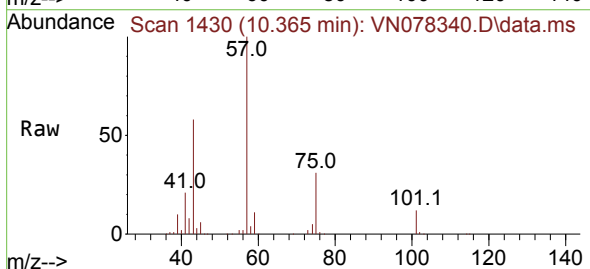
Instrument :
MSVOA_N
ClientSampleId :

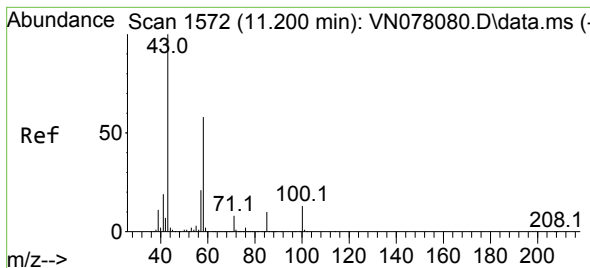
Tgt Ion: 43 Resp: 289334
Ion Ratio Lower Upper
43 100
58 40.4 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 7.351 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

Tgt Ion: 75 Resp: 68392
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 33.2 31.6 47.4

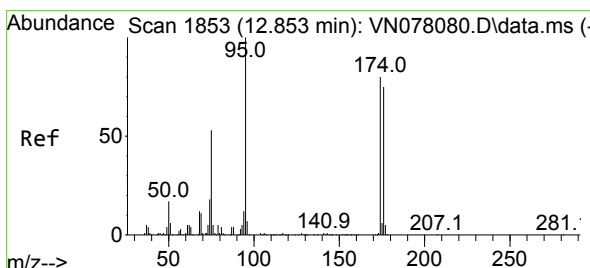
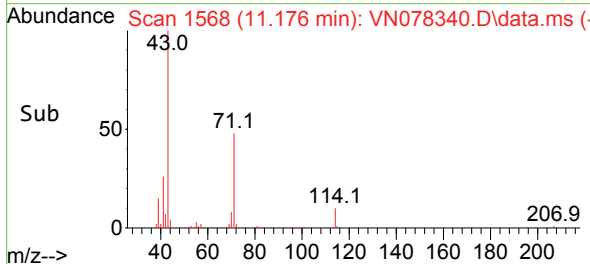
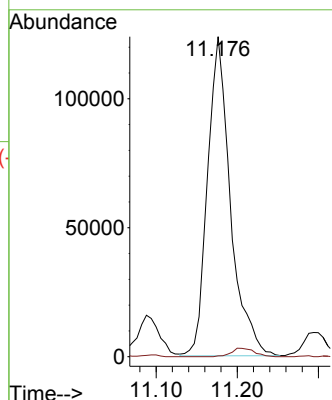
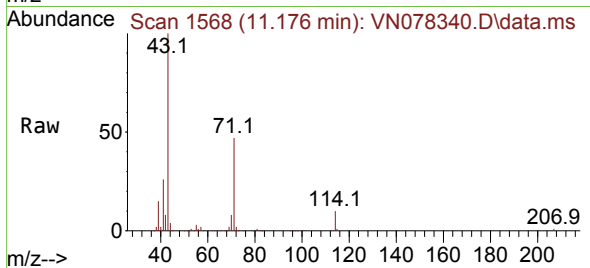




#59
2-Hexanone
Concen: 55.788 ug/l
RT: 11.176 min Scan# 1117
Delta R.T. -0.024 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

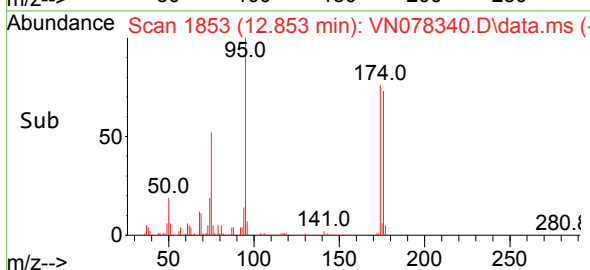
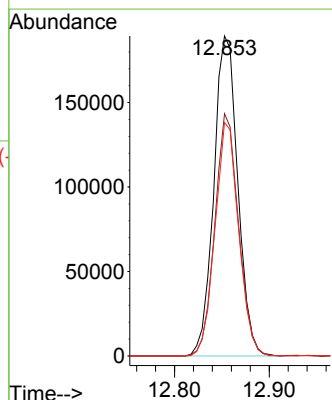
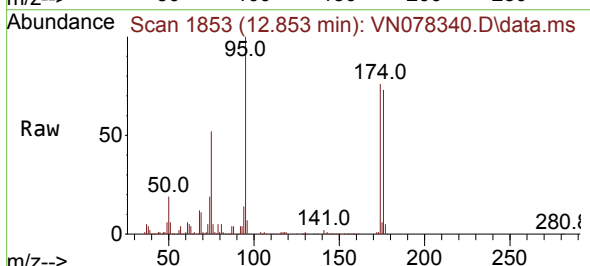
Instrument :
MSVOA_N
ClientSampleId :

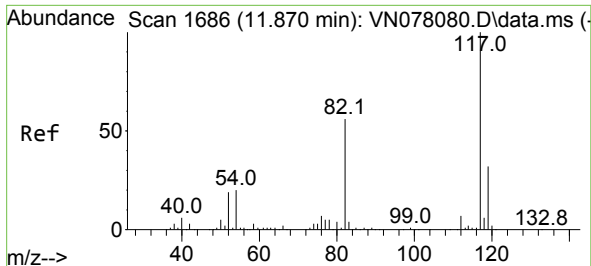
Tgt Ion: 43 Resp: 243032
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.130 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

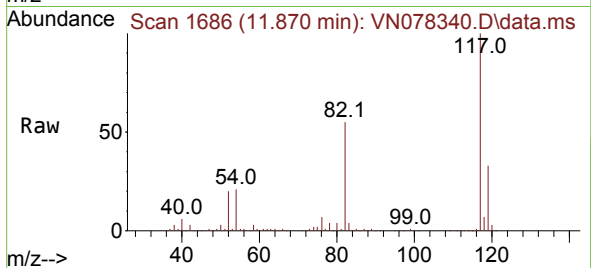
Tgt Ion: 95 Resp: 333095
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 71.9 0.0 135.8



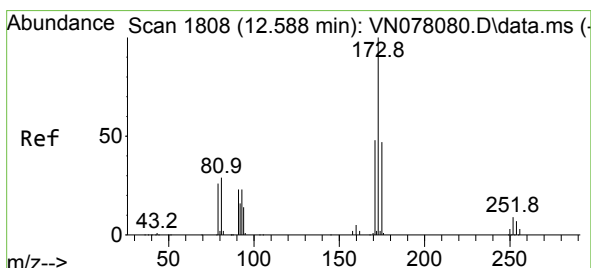
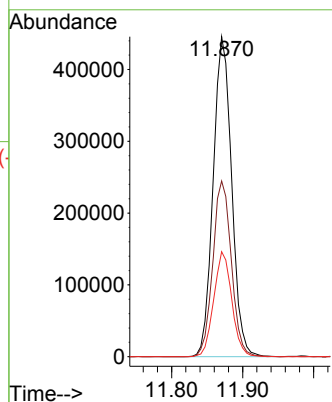
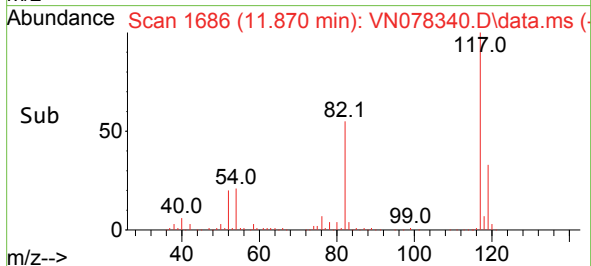


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

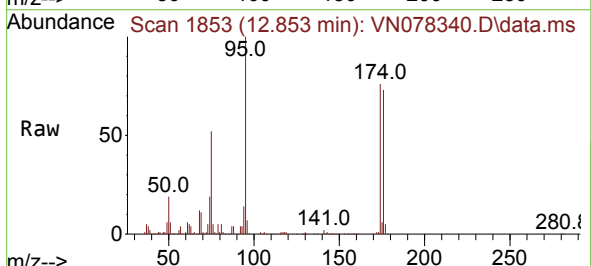
Instrument :
MSVOA_N
ClientSampleId :



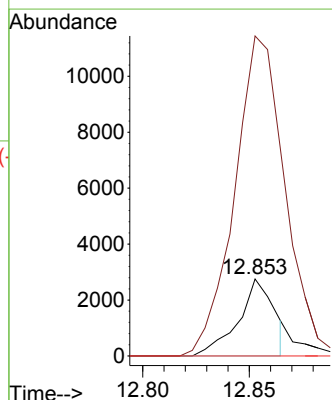
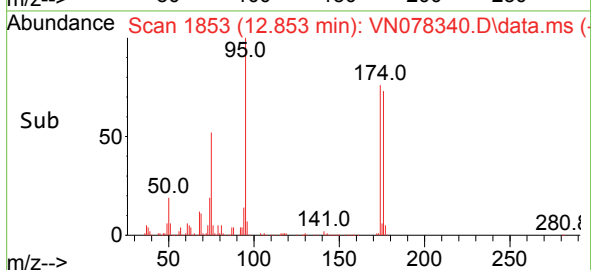
Tgt Ion:117 Resp: 804330
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 32.8 25.6 38.4

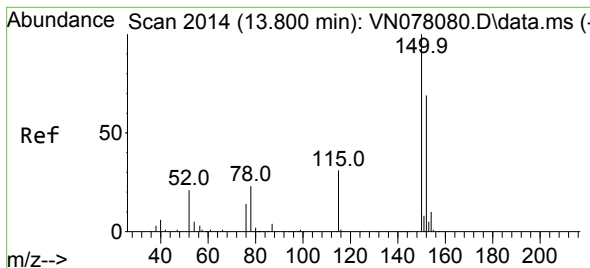


#71
Bromoform
Concen: 0.793 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23



Tgt Ion:173 Resp: 3243
Ion Ratio Lower Upper
173 100
175 502.6 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. -0.000 min

Lab File: VN078340.D

Acq: 21 Jun 2023 22:23

Instrument :

MSVOA_N

ClientSampleId :

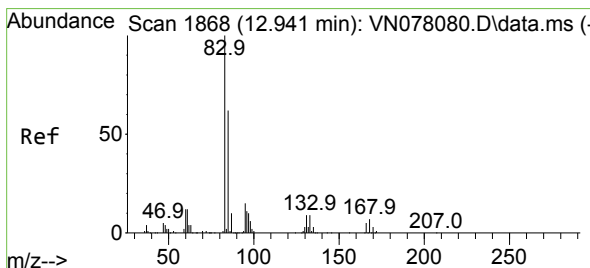
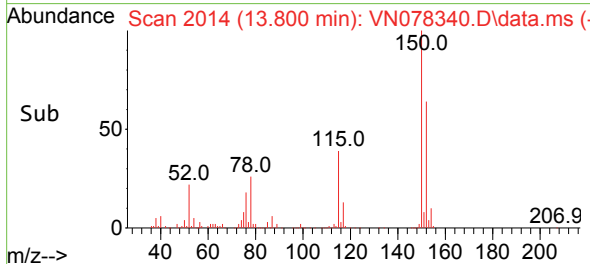
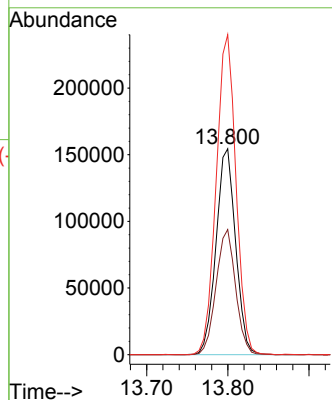
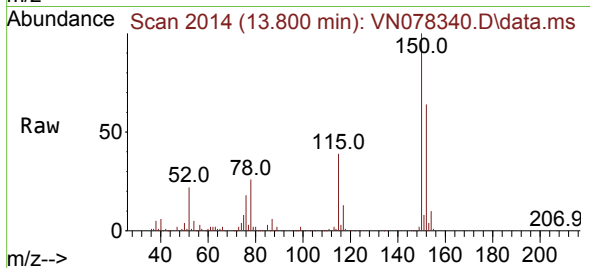
Tgt Ion:152 Resp: 259198

Ion Ratio Lower Upper

152 100

115 60.6 32.3 96.8

150 156.6 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

Lab File: VN078340.D

Acq: 21 Jun 2023 22:23

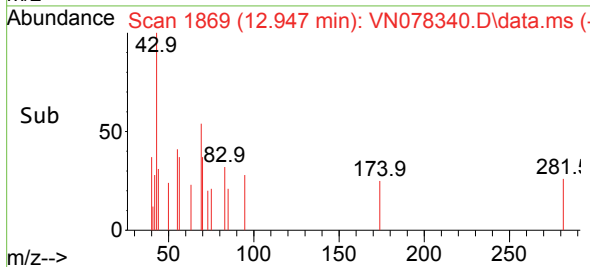
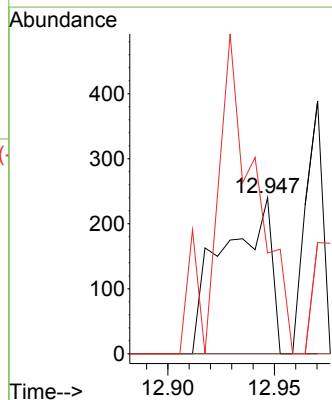
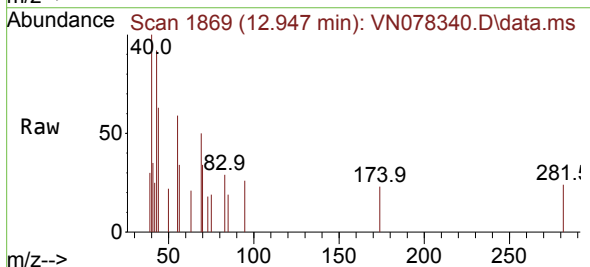
Tgt Ion: 83 Resp: 376

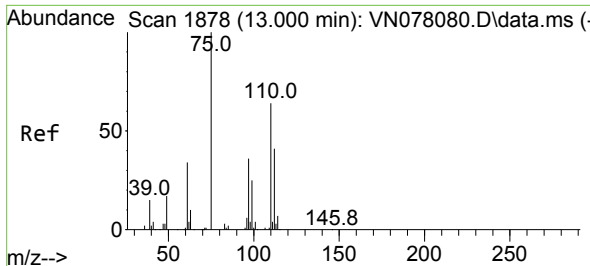
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 169.7 31.9 95.7#

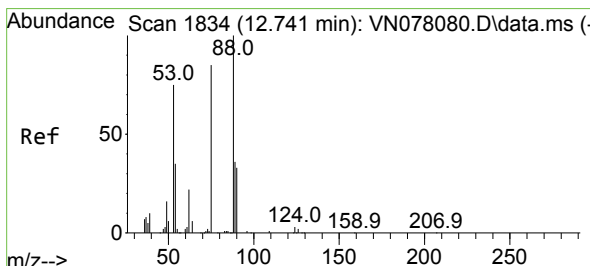
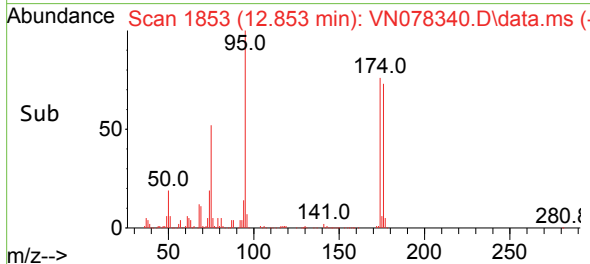
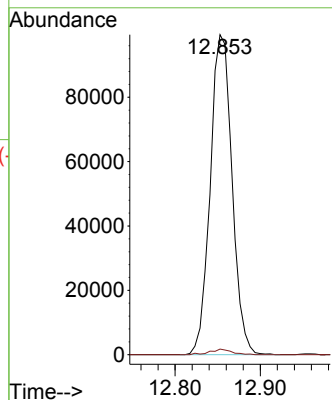
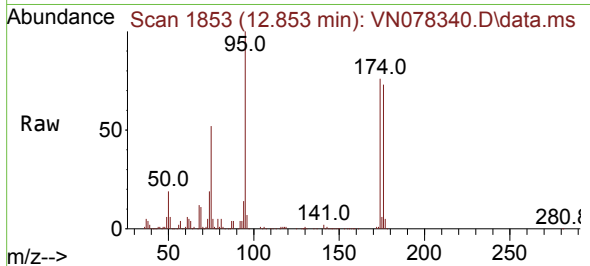




#76
1,2,3-Trichloropropane
Concen: 28.870 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 176905
Ion Ratio Lower Upper
75 100
77 1.7 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.699 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078340.D
Acq: 21 Jun 2023 22:23

Tgt Ion: 75 Resp: 176905
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

