

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078250.D
 Acq On : 16 Jun 2023 10:54
 Operator : JC\MD
 Sample : VN0616WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 02:19:23 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)

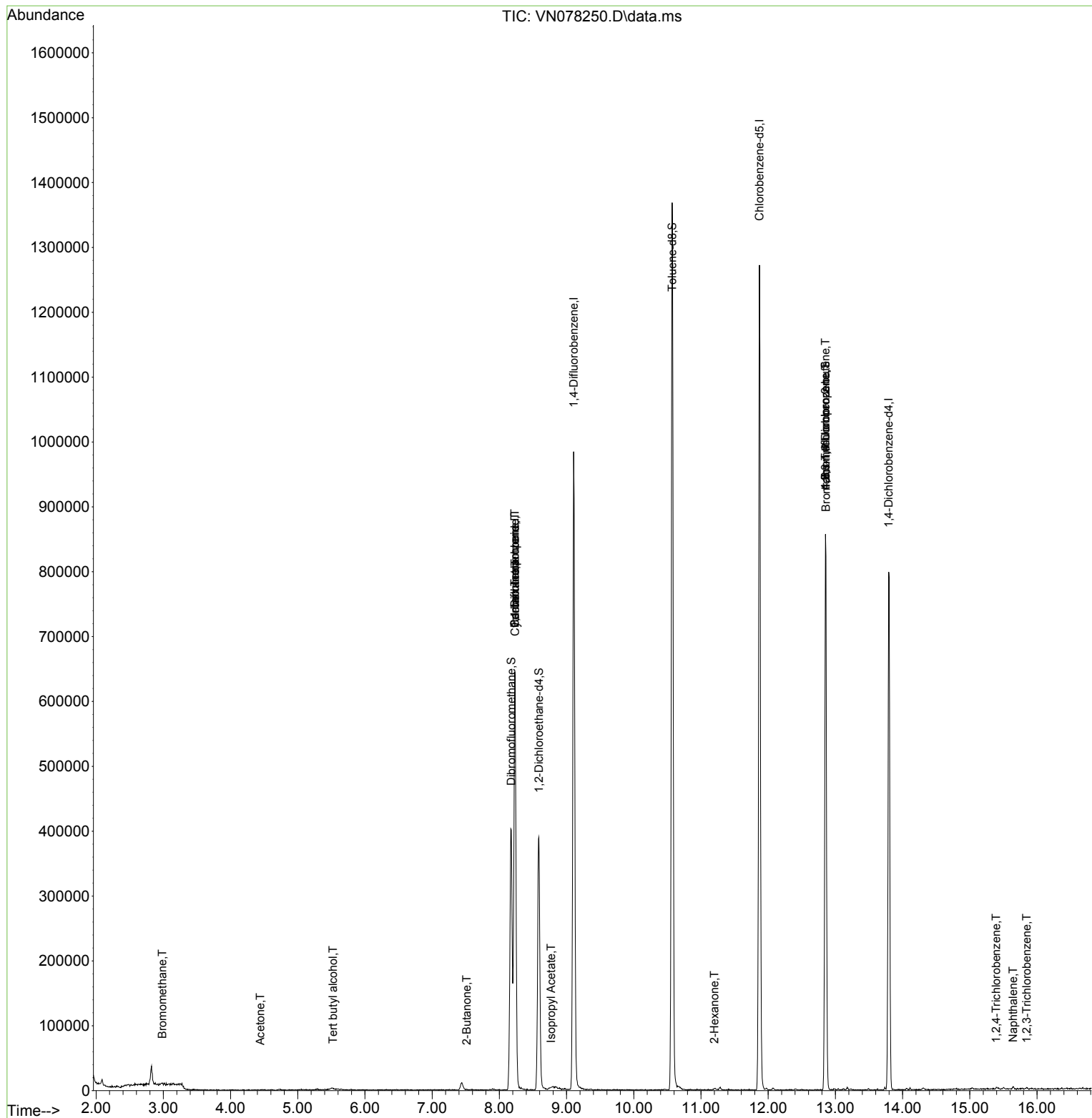
Internal Standards						
1) Pentafluorobenzene	8.230	168	451430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	848921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	737792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	216316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	328109	54.513	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.020%		
35) Dibromofluoromethane	8.177	113	294364	54.841	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 109.680%		
50) Toluene-d8	10.571	98	979532	47.337	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 94.680%		
62) 4-Bromofluorobenzene	12.853	95	298379	46.384	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 92.760%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1000	Below Cal	#	42
5) Bromomethane	2.983	94	2044	0.405	ug/l #	39
11) Tert butyl alcohol	5.524	59	1167	1.404	ug/l #	72
16) Acetone	4.442	43	640	0.369	ug/l #	40
25) 2-Butanone	7.512	43	658	0.247	ug/l #	37
31) Cyclohexane	8.235	56	10935	1.416	ug/l #	45
36) 1,1-Dichloropropene	8.230	75	37877	4.920	ug/l #	48
38) Carbon Tetrachloride	8.230	117	49226	6.055	ug/l #	16
43) Isopropyl Acetate	8.771	43	4217	0.367	ug/l #	49
59) 2-Hexanone	11.200	43	1534	0.364	ug/l #	52
71) Bromoform	12.859	173	2612	0.696	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	63	Below Cal	#	2
76) 1,2,3-Trichloropropane	12.853	75	166635	32.585	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	166635	100.113	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	972	0.348	ug/l	70
94) Hexachlorobutadiene	15.511	225	458	Below Cal		64
95) Naphthalene	15.647	128	3449	0.367	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.847	180	963	0.308	ug/l	89

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

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QLast Update : Wed Jun 07 05:05:00 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN078250.D

Acq: 16 Jun 2023 10:54

Instrument :

MSVOA_N

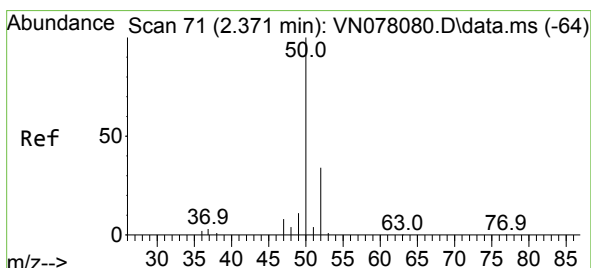
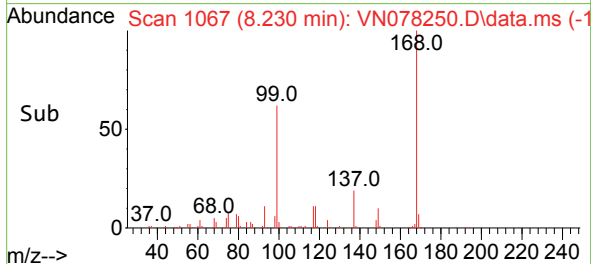
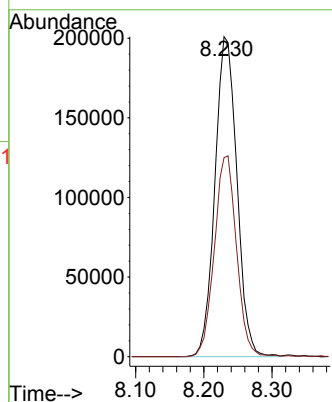
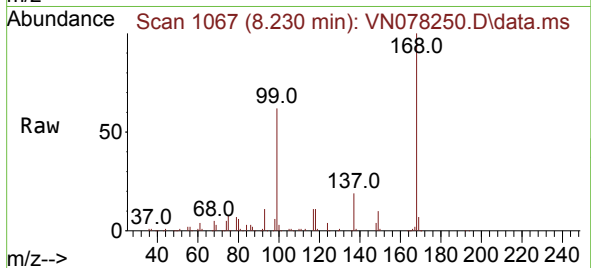
ClientSampleId :

Tgt Ion:168 Resp: 451430

Ion Ratio Lower Upper

168 100

99 62.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078250.D

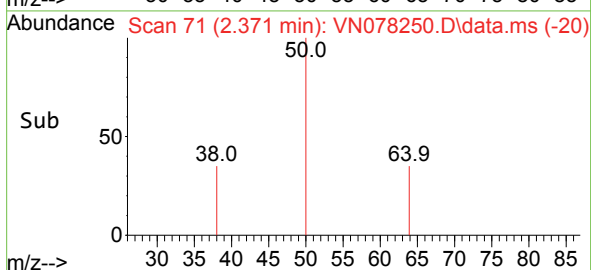
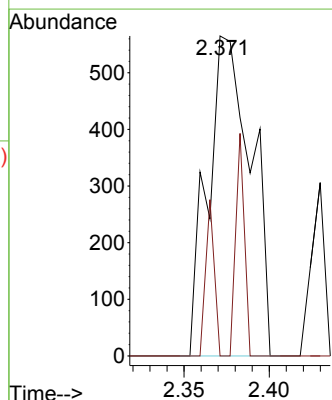
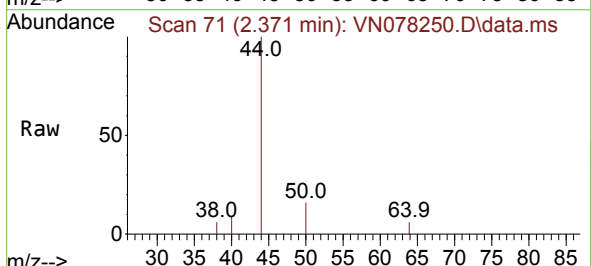
Acq: 16 Jun 2023 10:54

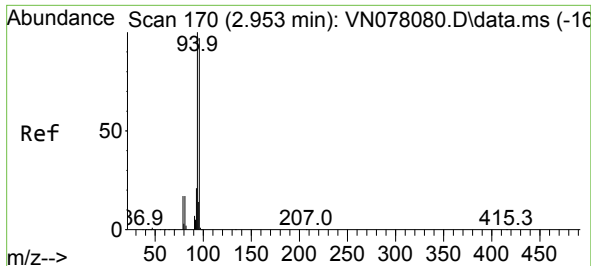
Tgt Ion: 50 Resp: 1000

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

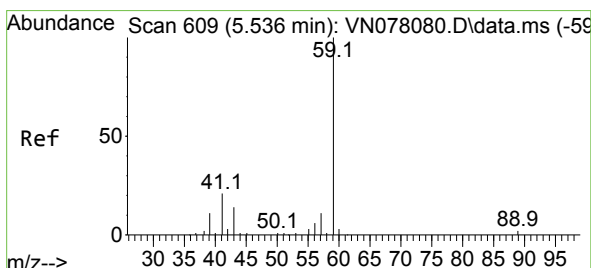
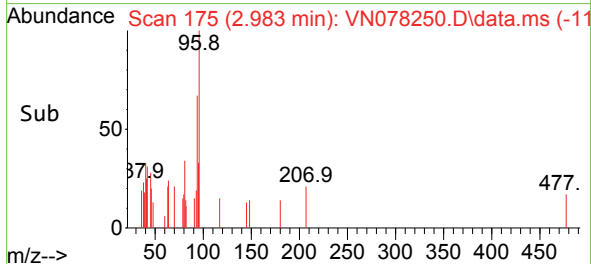
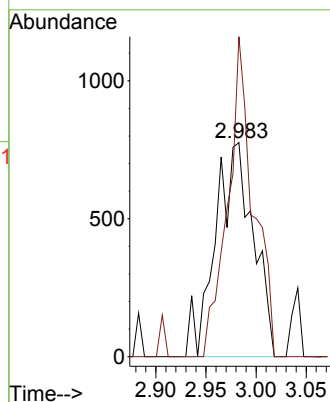
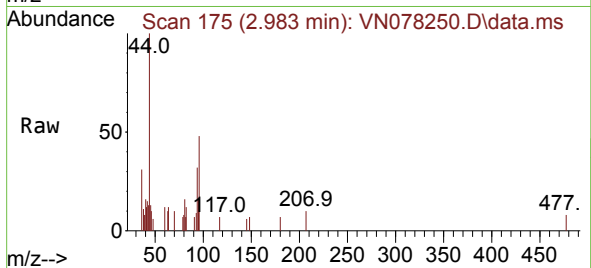




#5
Bromomethane
Concen: 0.405 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

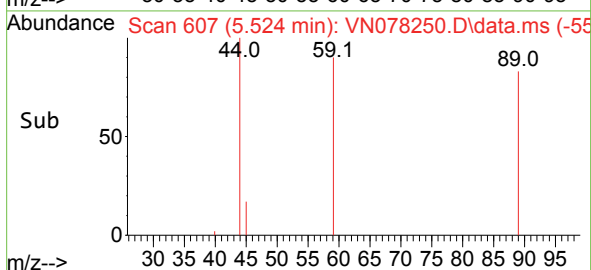
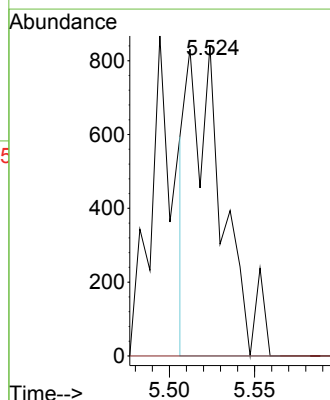
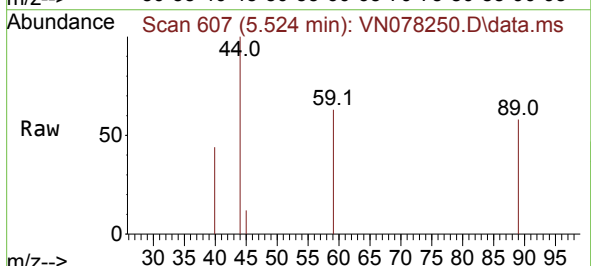
Instrument :
MSVOA_N
ClientSampleId :

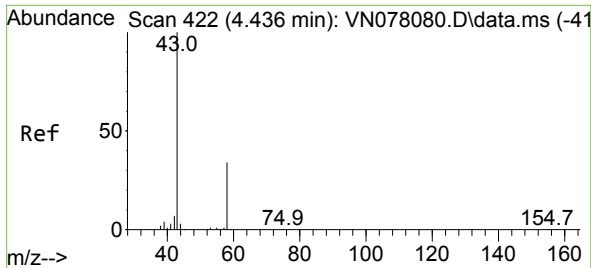
Tgt Ion: 94 Resp: 2044
Ion Ratio Lower Upper
94 100
96 149.5 73.1 109.7#



#11
Tert butyl alcohol
Concen: 1.404 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

Tgt Ion: 59 Resp: 1167
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

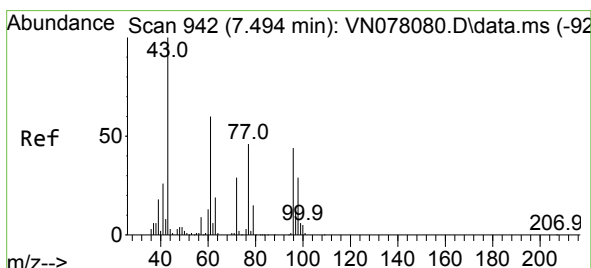
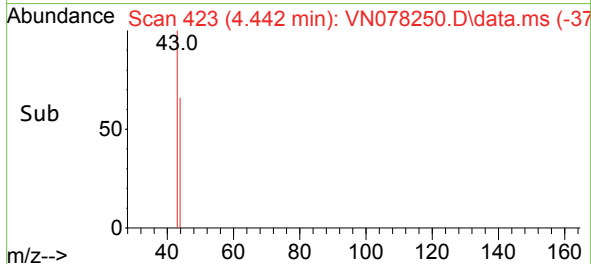
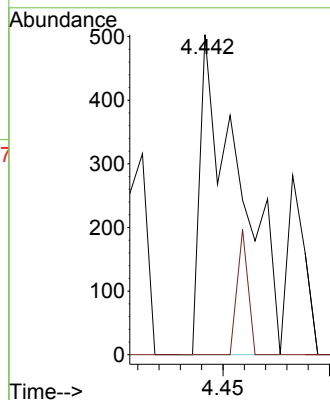
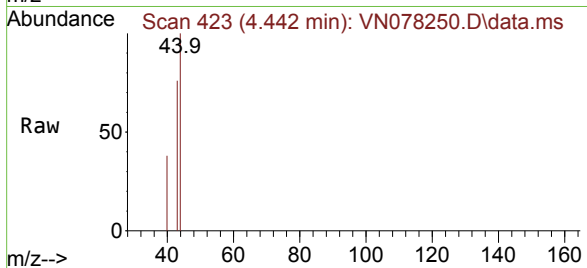




#16
Acetone
Concen: 0.369 ug/l
RT: 4.442 min Scan# 431
Delta R.T. 0.006 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

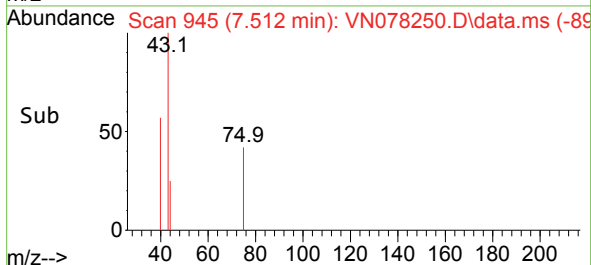
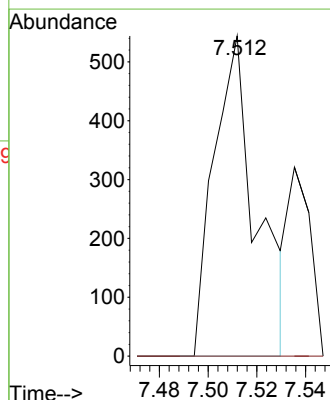
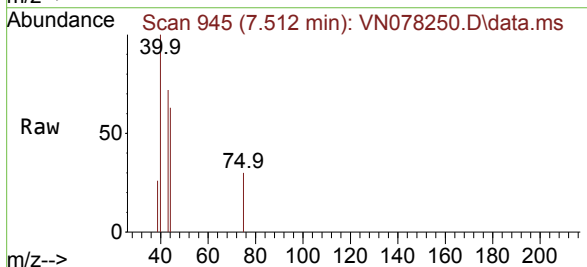
Instrument :
MSVOA_N
ClientSampleId :

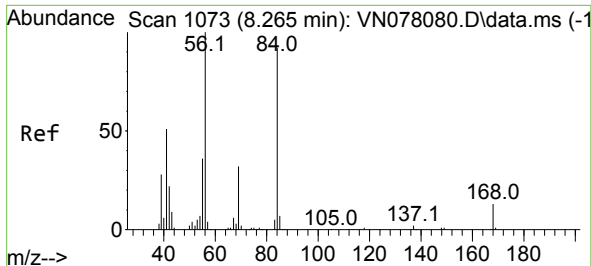
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#25
2-Butanone
Concen: 0.247 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.018 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

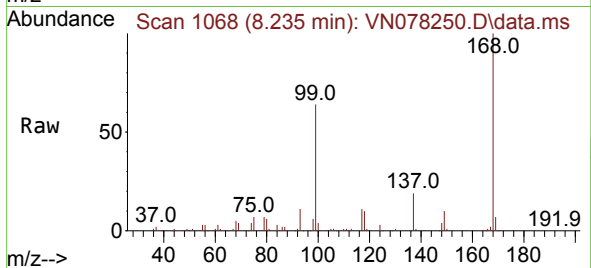
Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



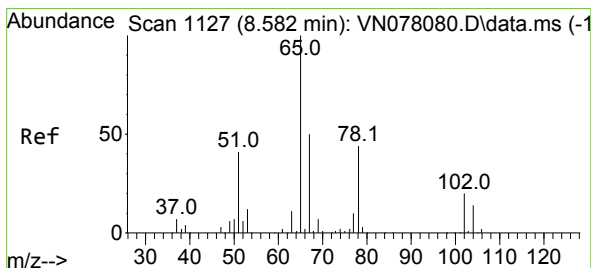
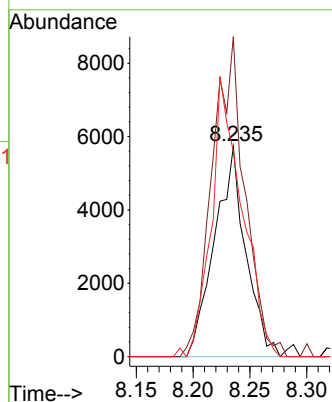
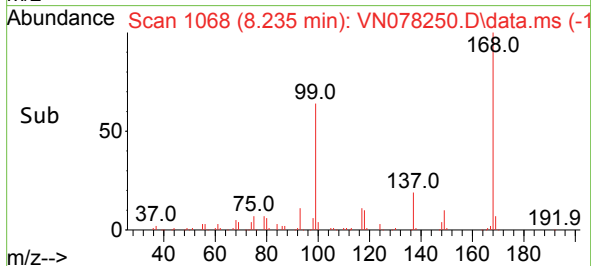


#31
Cyclohexane
Concen: 1.416 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

Instrument :
MSVOA_N
ClientSampleId :

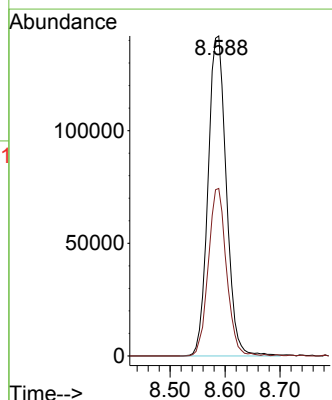
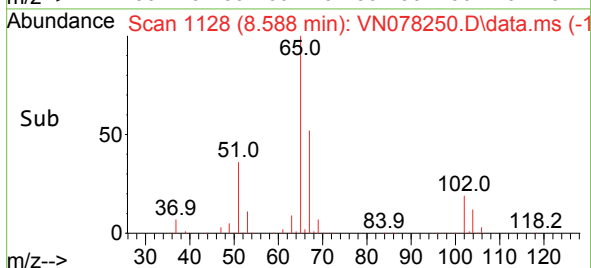
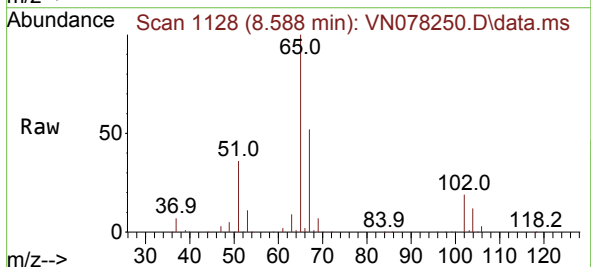


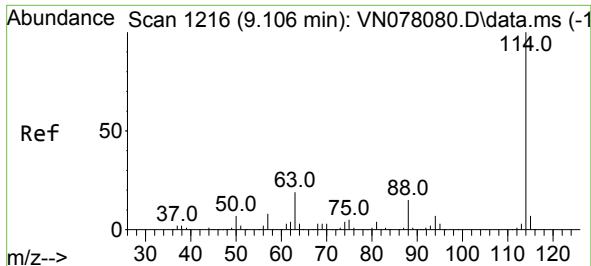
Tgt Ion: 56 Resp: 10935
Ion Ratio Lower Upper
56 100
69 152.2 26.8 40.2#
84 97.9 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.513 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

Tgt Ion: 65 Resp: 328109
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6

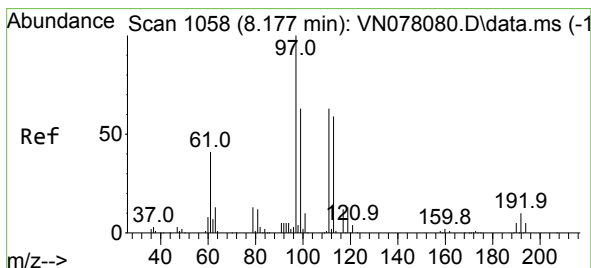
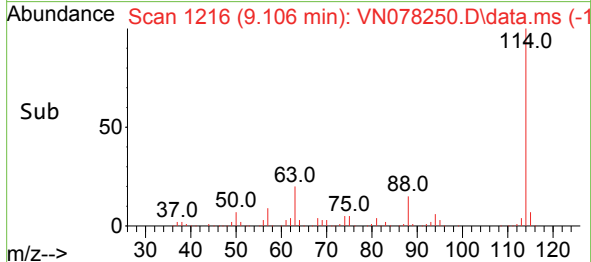
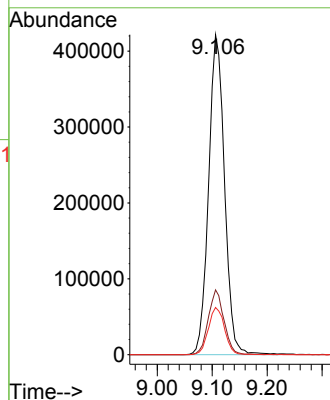
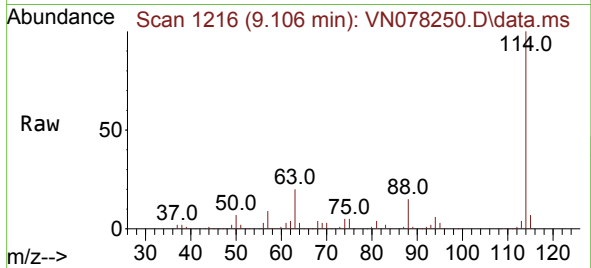




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

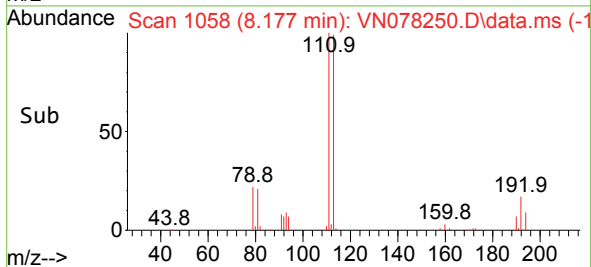
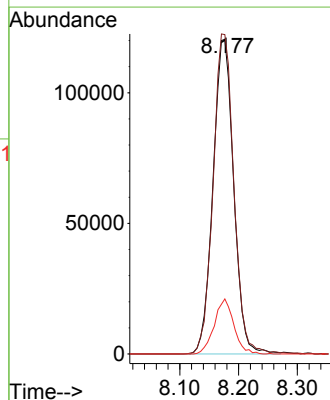
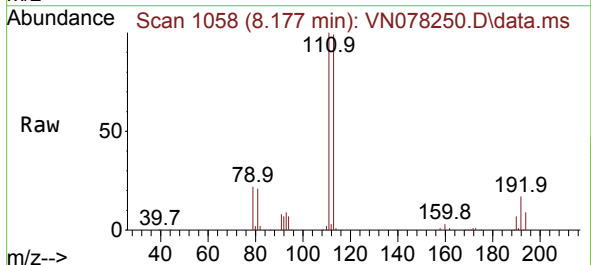
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MSVOA_N
ClientSampleId :

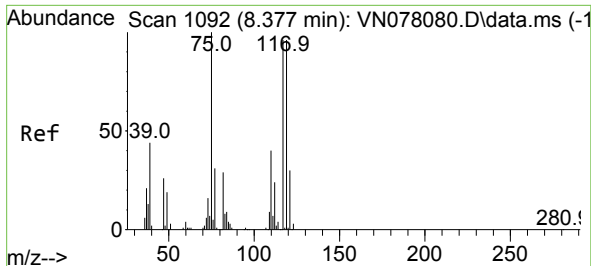
Tgt Ion:114 Resp: 848921
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.841 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

Tgt Ion:113 Resp: 294364
Ion Ratio Lower Upper
113 100
111 102.1 82.6 123.8
192 16.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.920 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078250.D

Acq: 16 Jun 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

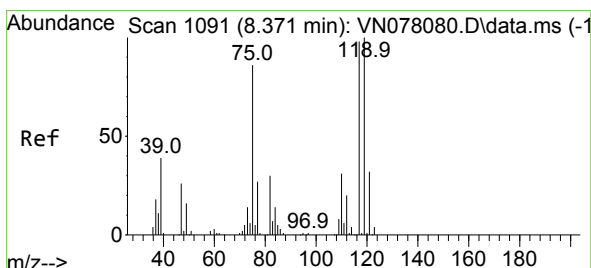
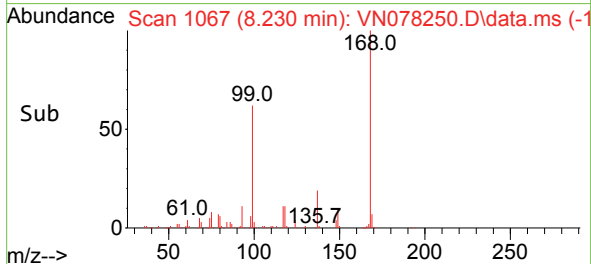
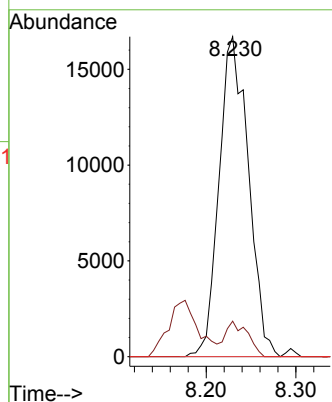
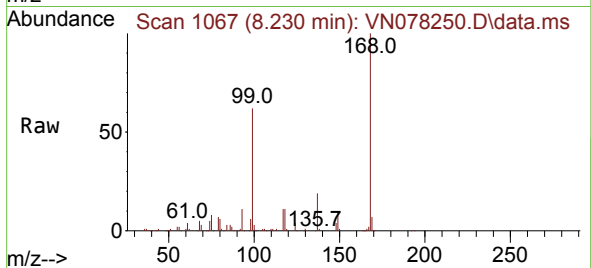
Tgt Ion: 75 Resp: 37877

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.055 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN078250.D

Acq: 16 Jun 2023 10:54

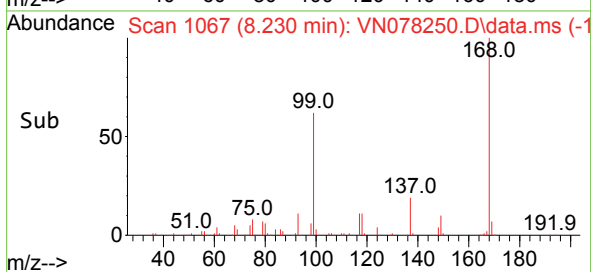
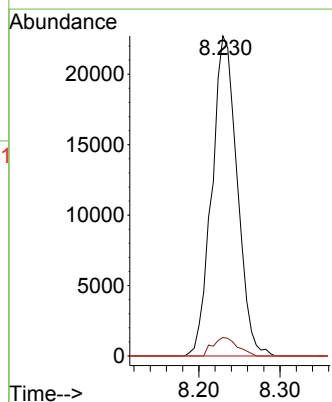
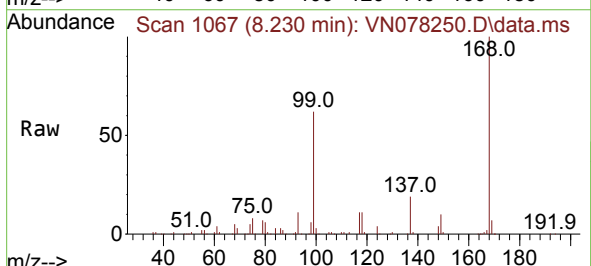
Tgt Ion: 117 Resp: 49226

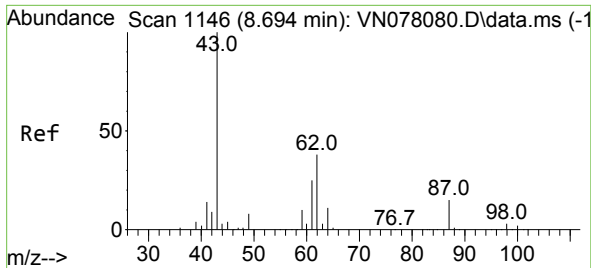
Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 23.3 34.9#

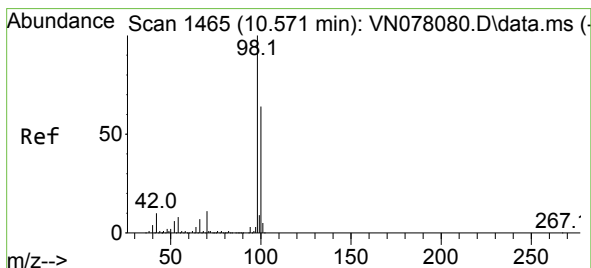
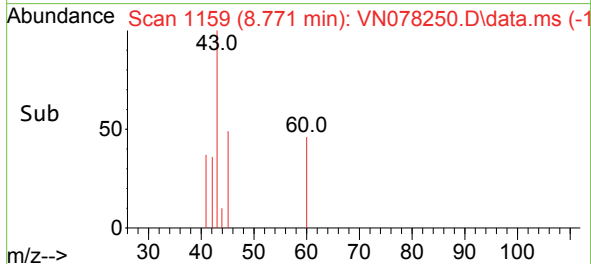
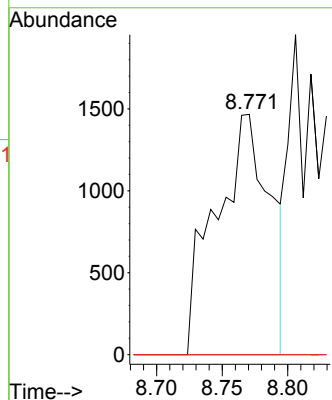
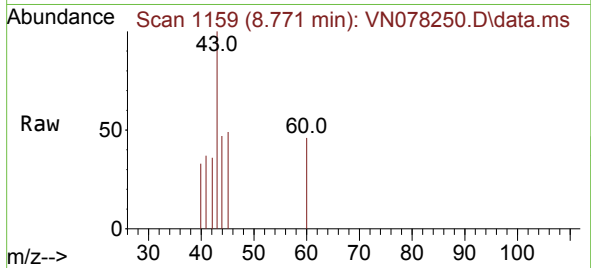




#43
Isopropyl Acetate
Concen: 0.367 ug/l
RT: 8.771 min Scan# 1146
Delta R.T. 0.076 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

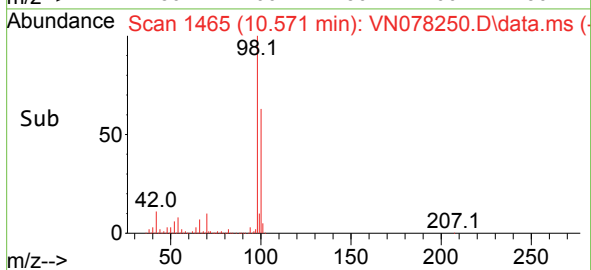
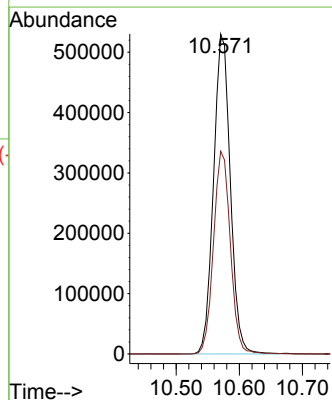
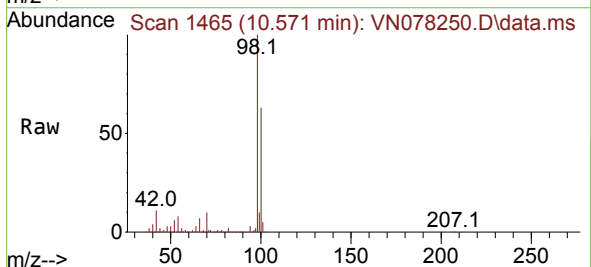
Instrument :
MSVOA_N
ClientSampleId :

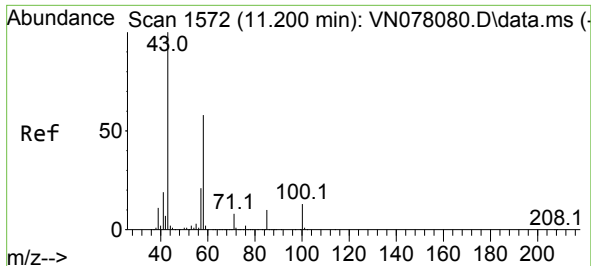
Tgt Ion: 43 Resp: 4217
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 47.337 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

Tgt Ion: 98 Resp: 979532
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

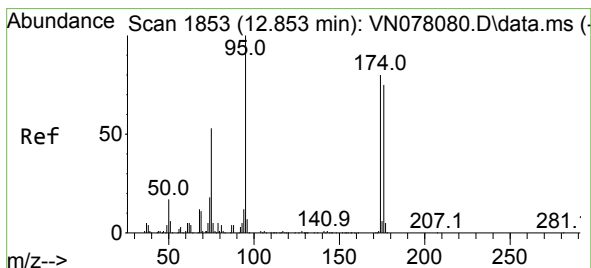
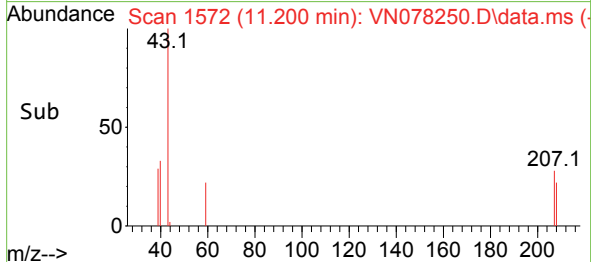
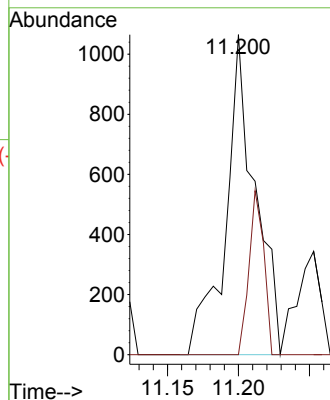
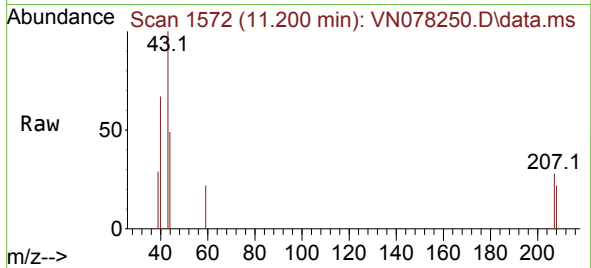




#59
2-Hexanone
Concen: 0.364 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

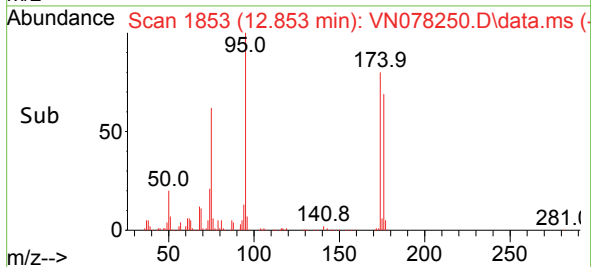
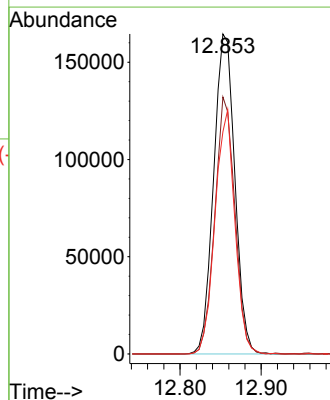
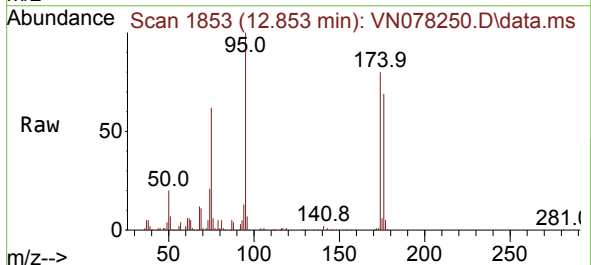
Instrument :
MSVOA_N
ClientSampleId :

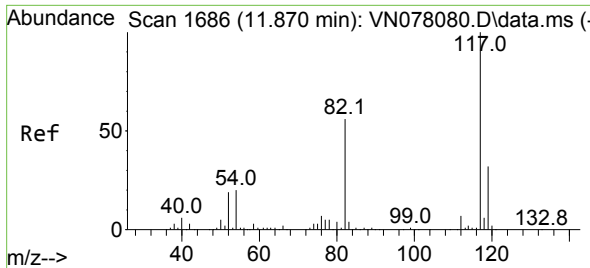
Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 25.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.384 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

Tgt Ion: 95 Resp: 298379
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 71.7 0.0 135.8

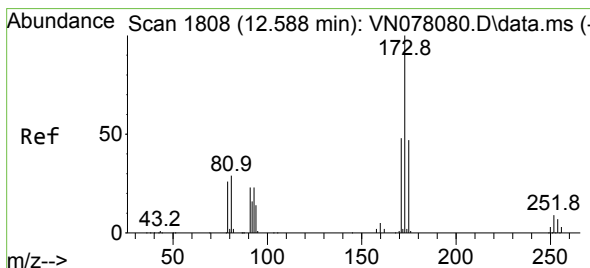
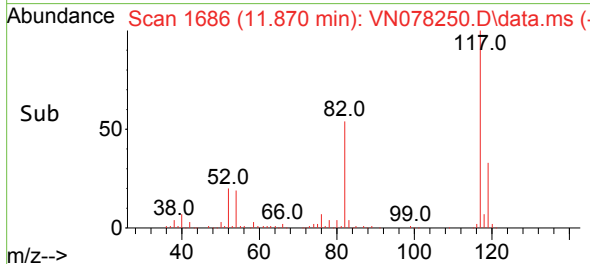
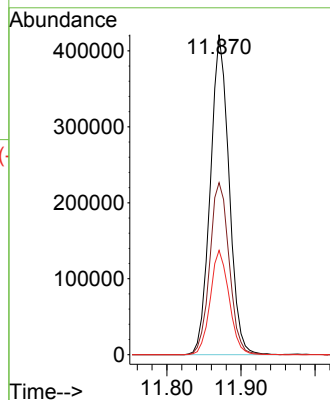
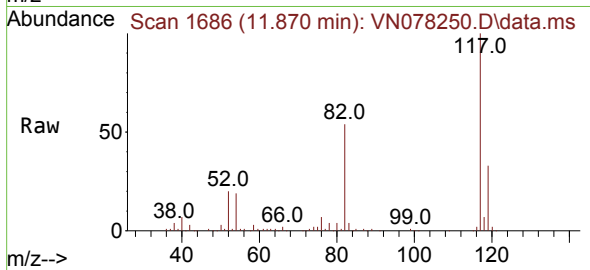




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

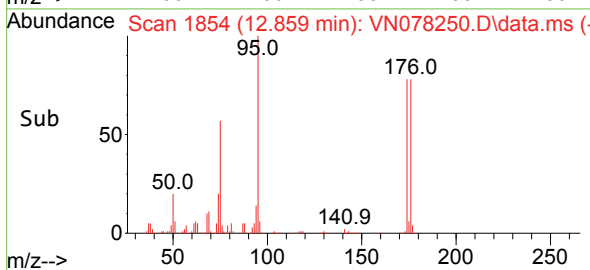
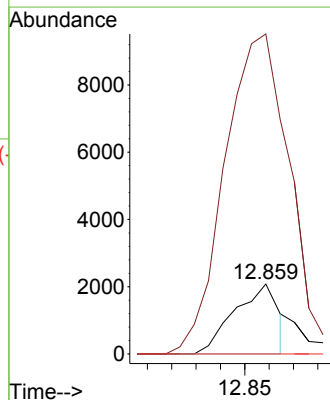
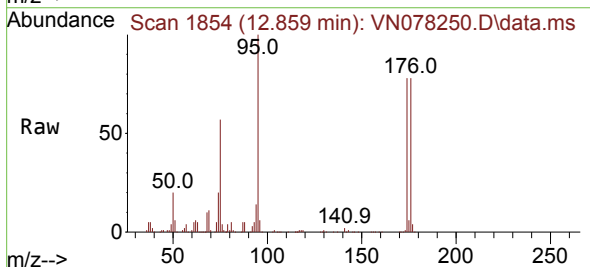
Instrument :
MSVOA_N
ClientSampleId :

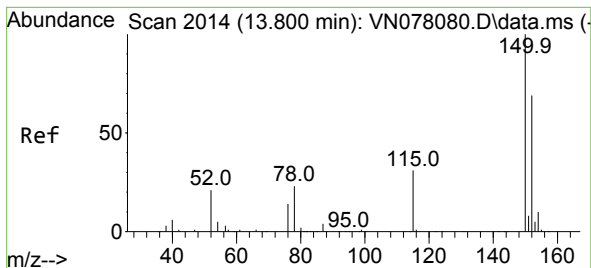
Tgt Ion:117 Resp: 737792
Ion Ratio Lower Upper
117 100
82 53.8 44.0 66.0
119 32.6 25.6 38.4



#71
Bromoform
Concen: 0.696 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

Tgt Ion:173 Resp: 2612
Ion Ratio Lower Upper
173 100
175 570.6 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN078250.D

Acq: 16 Jun 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

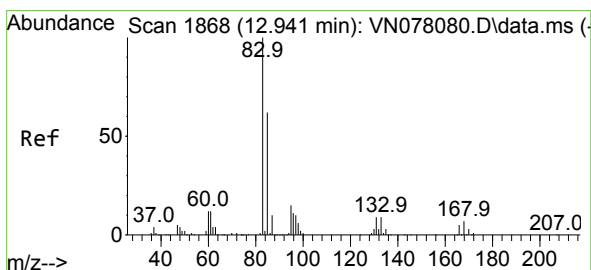
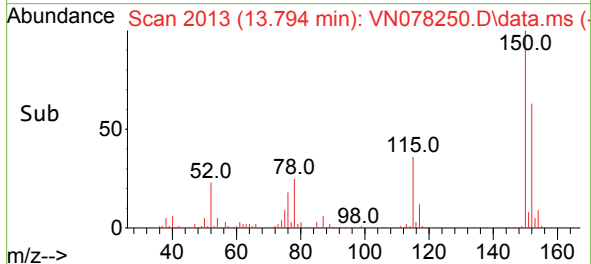
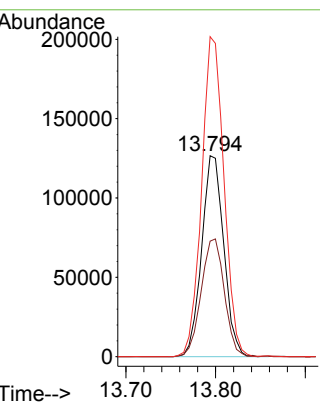
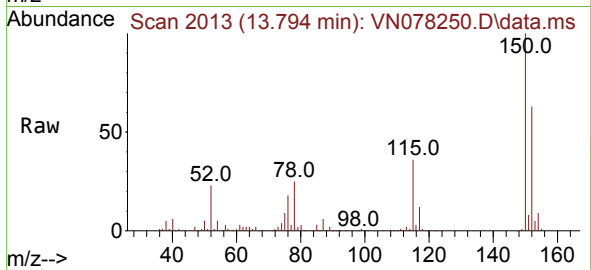
Tgt Ion:152 Resp: 216316

Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 160.8 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN078250.D

Acq: 16 Jun 2023 10:54

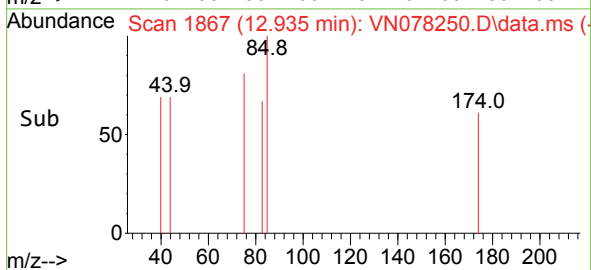
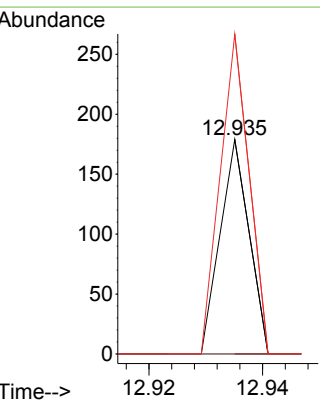
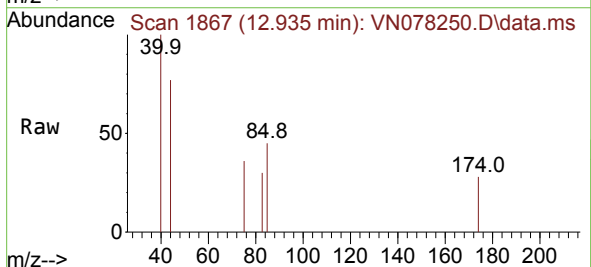
Tgt Ion: 83 Resp: 63

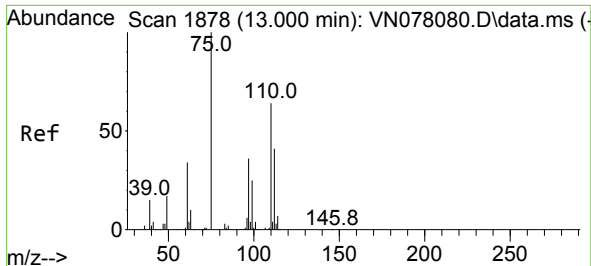
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 149.2 31.9 95.7#

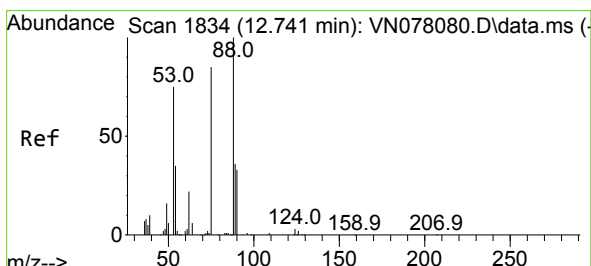
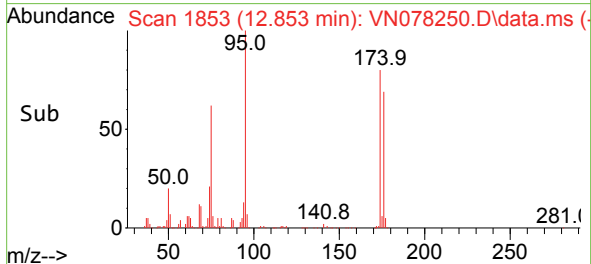
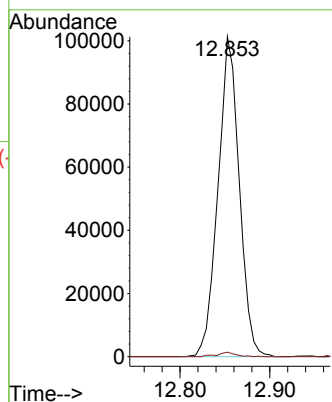
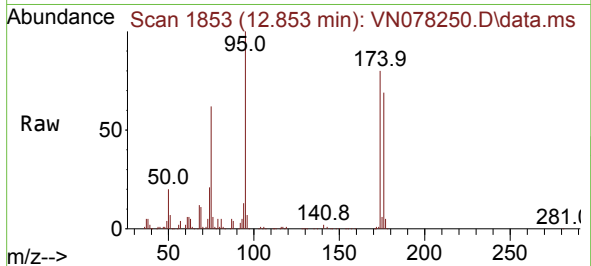




#76
1,2,3-Trichloropropane
Concen: 32.585 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

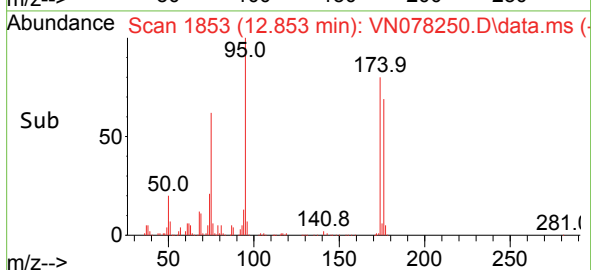
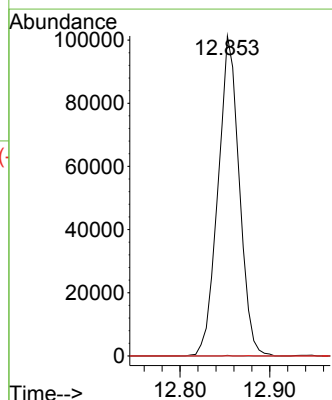
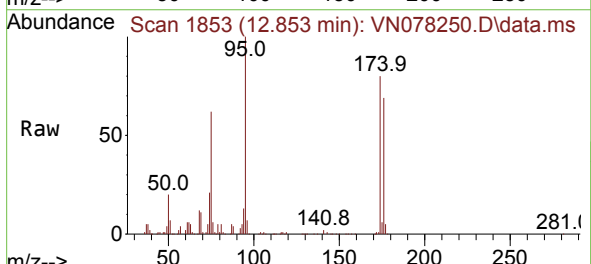
Instrument :
MSVOA_N
ClientSampleId :

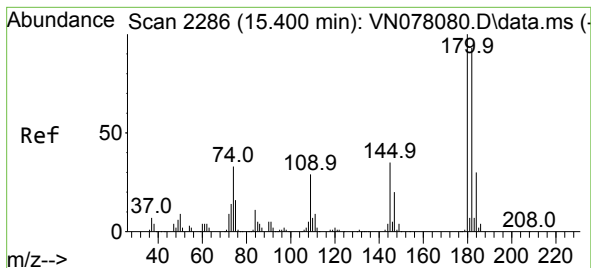
Tgt Ion: 75 Resp: 166635
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.113 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078250.D
Acq: 16 Jun 2023 10:54

Tgt Ion: 75 Resp: 166635
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.348 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN078250.D

Acq: 16 Jun 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

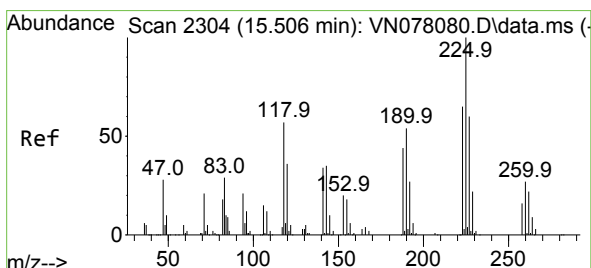
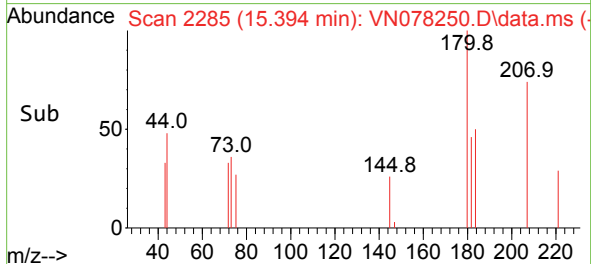
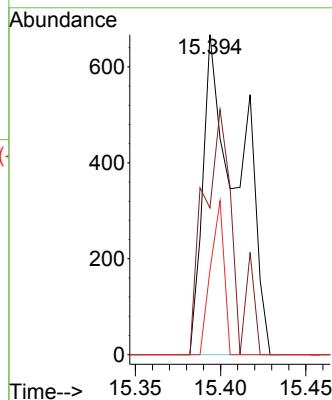
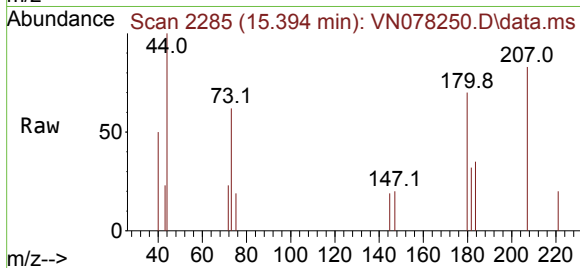
Tgt Ion:180 Resp: 972

Ion Ratio Lower Upper

180 100

182 62.7 46.1 138.2

145 18.0 16.6 49.8



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.511 min Scan# 2305

Delta R.T. 0.005 min

Lab File: VN078250.D

Acq: 16 Jun 2023 10:54

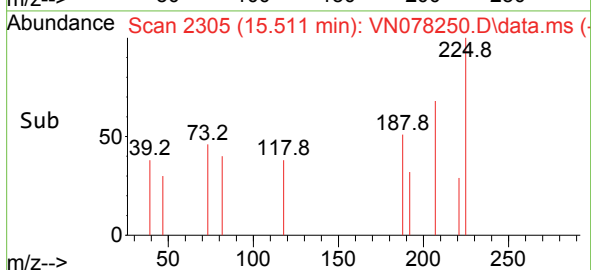
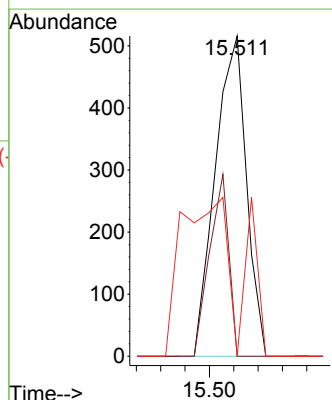
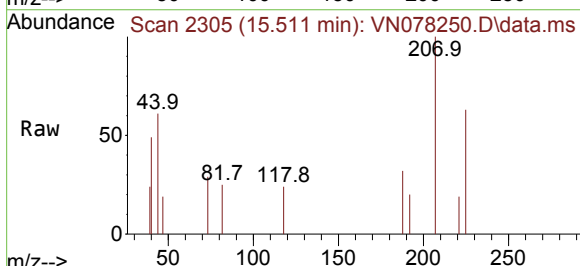
Tgt Ion:225 Resp: 458

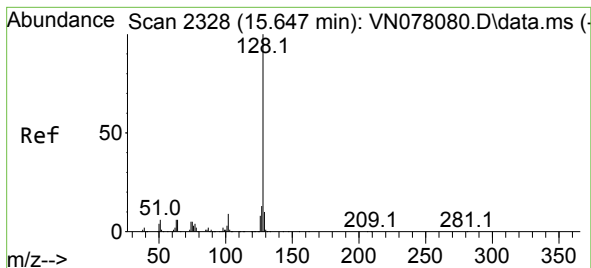
Ion Ratio Lower Upper

225 100

223 34.9 31.3 93.8

227 91.7 31.9 95.9





#95

Naphthalene

Concen: 0.367 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078250.D

Acq: 16 Jun 2023 10:54

Instrument :

MSVOA_N

ClientSampleId :

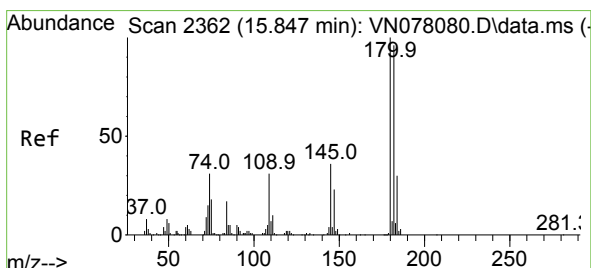
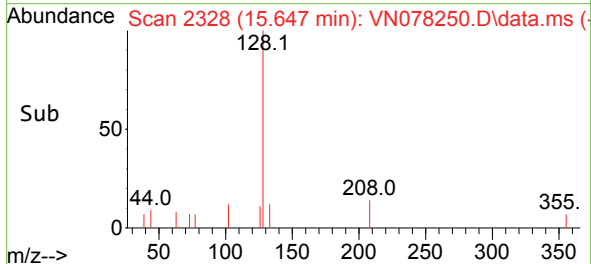
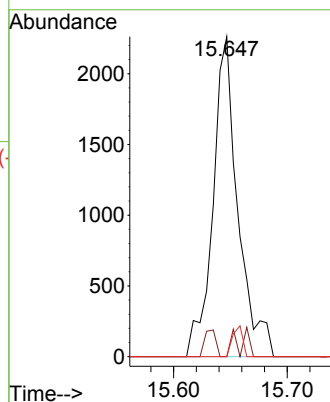
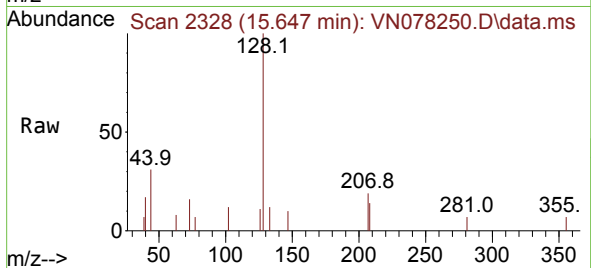
Tgt Ion:128 Resp: 3449

Ion Ratio Lower Upper

128 100

127 4.1 10.0 15.0#

129 3.9 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.308 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN078250.D

Acq: 16 Jun 2023 10:54

Tgt Ion:180 Resp: 963

Ion Ratio Lower Upper

180 100

182 82.9 46.2 138.6

145 27.9 17.5 52.6

