

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012323\
 Data File : VN076357.D
 Acq On : 23 Jan 2023 11:15
 Operator : JC\MD
 Sample : VN0123WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBL01

Quant Time: Jan 23 12:59:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

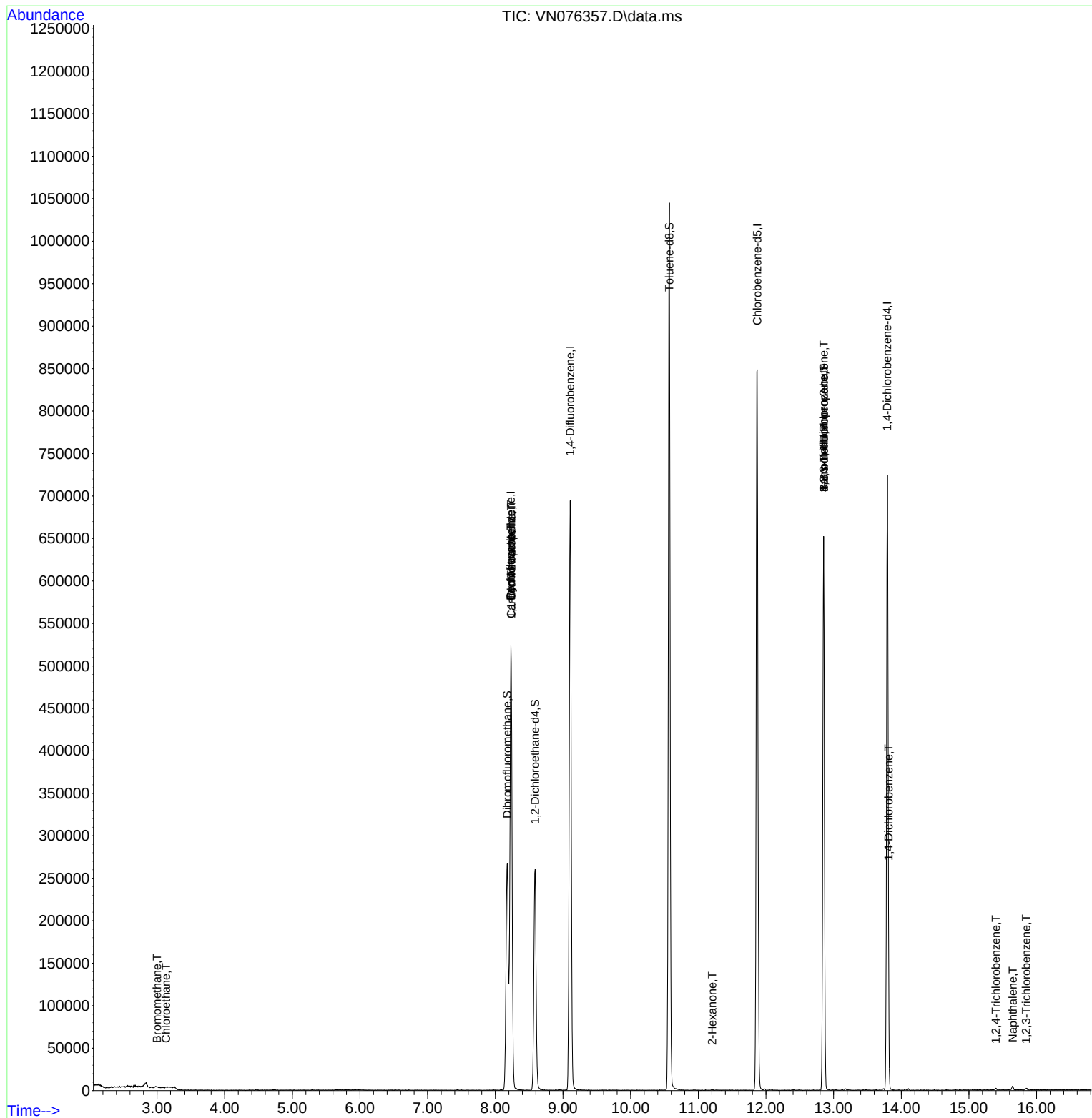
Internal Standards						
1) Pentafluorobenzene	8.229	168	398008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	620514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	519528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	212294	47.638	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.280%		
35) Dibromofluoromethane	8.177	113	191950	49.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.900%		
50) Toluene-d8	10.570	98	708634	49.433	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.853	95	213266	45.572	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.140%		
Target Compounds						Qvalue
5) Bromomethane	3.000	94	894	0.211	ug/l #	73
6) Chloroethane	3.136	64	927	0.239	ug/l #	44
20) Methylene Chloride	5.288	84	172	Below Cal	#	11
31) Cyclohexane	8.229	56	8333	1.217	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	30235	5.482	ug/l #	49
38) Carbon Tetrachloride	8.235	117	39993	6.502	ug/l #	17
59) 2-Hexanone	11.206	43	722	0.236	ug/l	83
71) Bromoform	12.853	173	1616	0.548	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	115079	31.075	ug/l #	1
77) Bromobenzene	12.982	156	175	Below Cal		71
81) trans-1,4-Dichloro-2-b...	12.853	75	115079	95.280	ug/l #	11
88) 1,4-Dichlorobenzene	13.811	146	1250	0.280	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.400	180	1073	1.601	ug/l	78
95) Naphthalene	15.647	128	5037	2.304	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.847	180	1182	1.497	ug/l	89

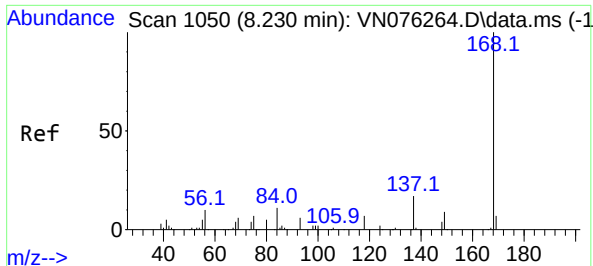
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN076357.D

Acq: 23 Jan 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

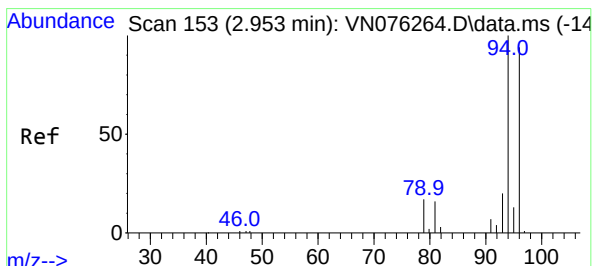
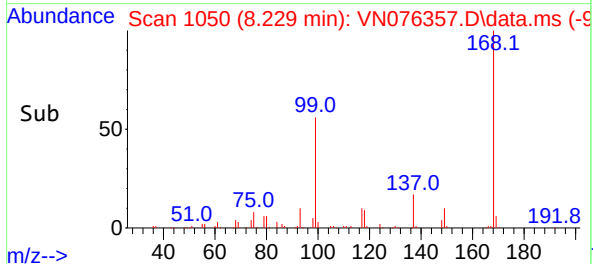
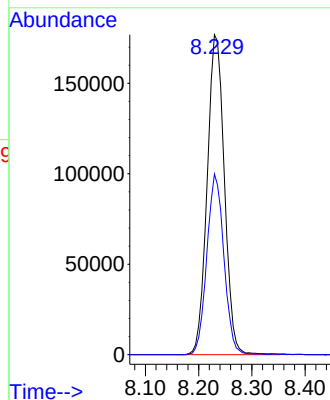
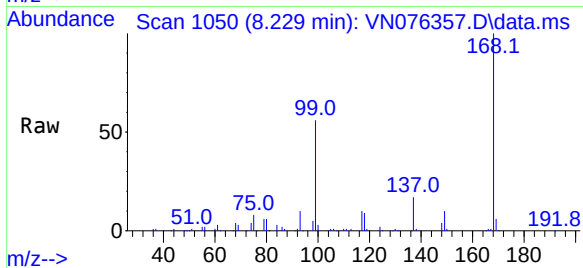
VN0123WBL01

Tgt Ion:168 Resp: 398008

Ion Ratio Lower Upper

168 100

99 56.5 41.6 62.4



#5

Bromomethane

Concen: 0.211 ug/l

RT: 3.000 min Scan# 161

Delta R.T. 0.047 min

Lab File: VN076357.D

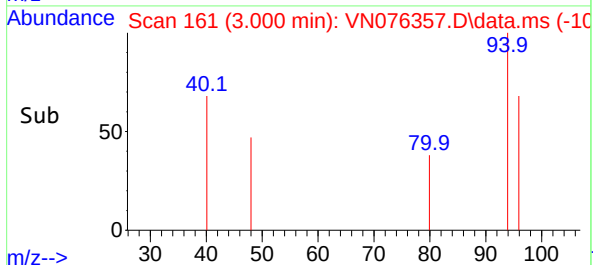
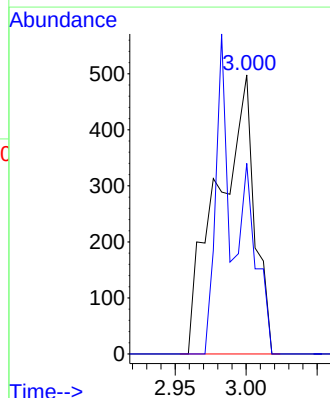
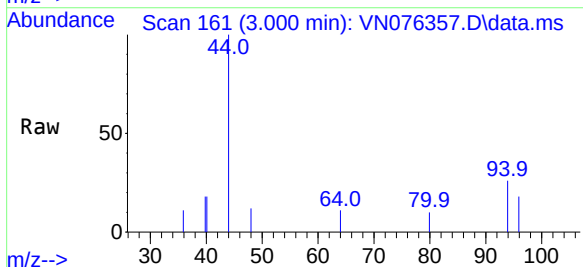
Acq: 23 Jan 2023 11:15

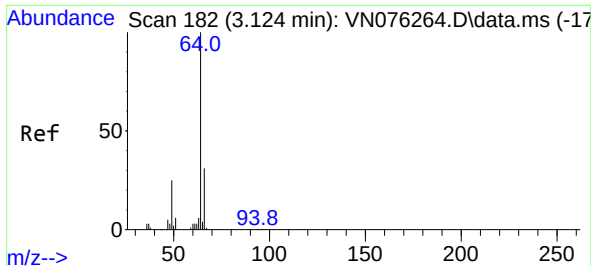
Tgt Ion: 94 Resp: 894

Ion Ratio Lower Upper

94 100

96 68.3 75.1 112.7#

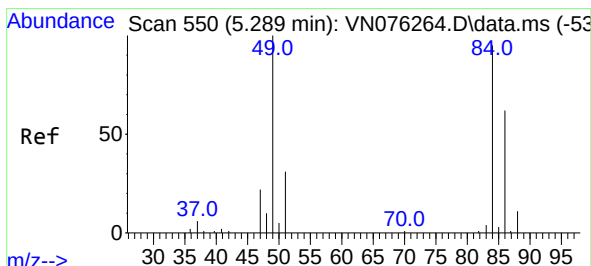
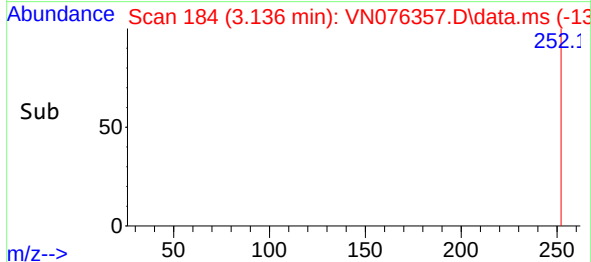
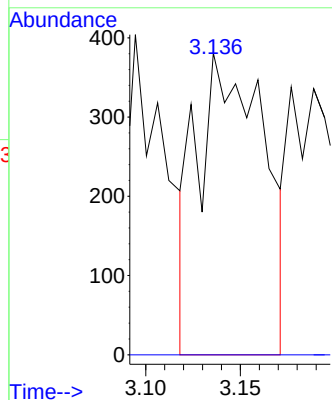
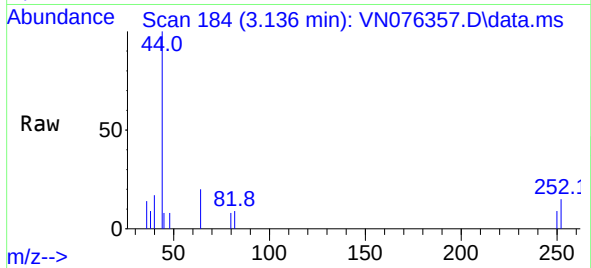




#6
Chloroethane
Concen: 0.239 ug/l
RT: 3.136 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

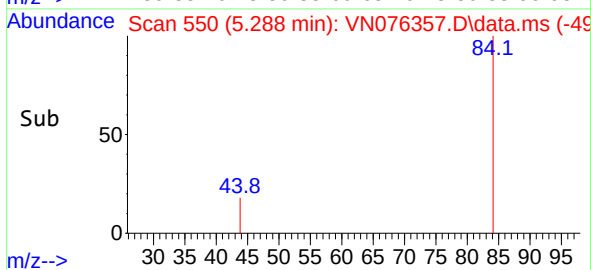
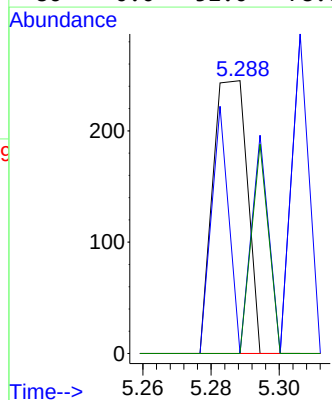
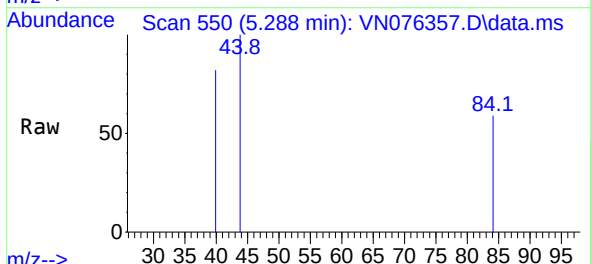
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

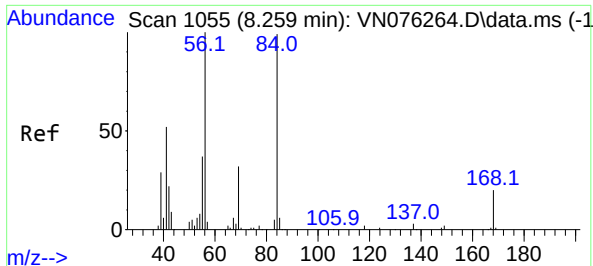
Tgt Ion: 64 Resp: 927
Ion Ratio Lower Upper
64 100
66 0.0 24.8 37.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.288 min Scan# 550
Delta R.T. -0.001 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

Tgt Ion: 84 Resp: 172
Ion Ratio Lower Upper
84 100
49 0.0 84.5 126.7#
51 0.0 26.0 39.0#
86 0.0 52.0 78.0#

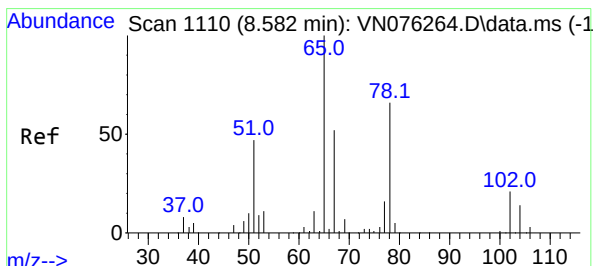
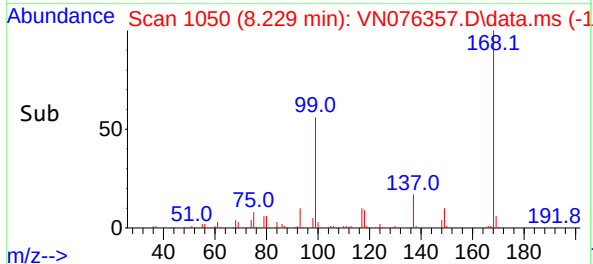
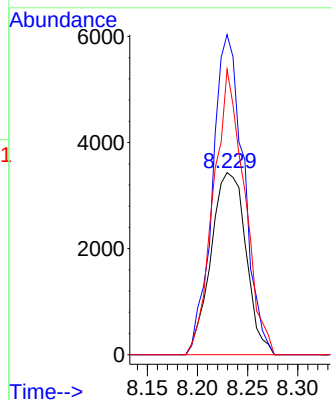
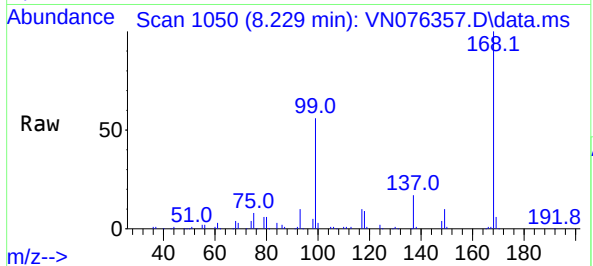




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

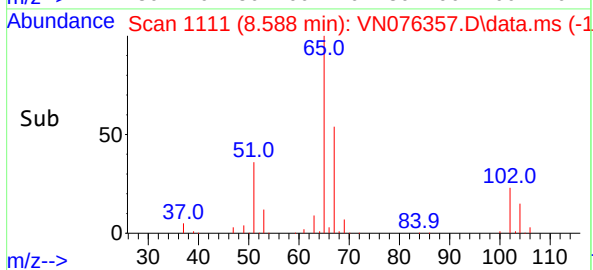
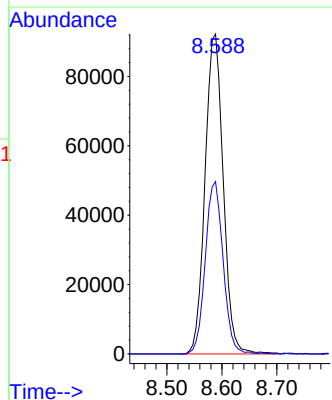
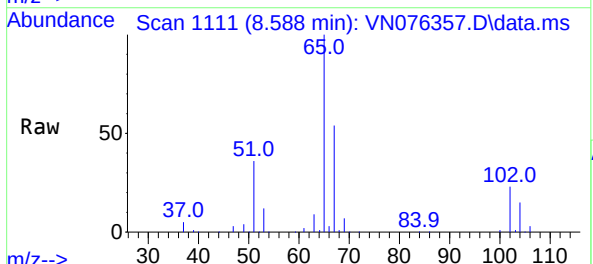
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

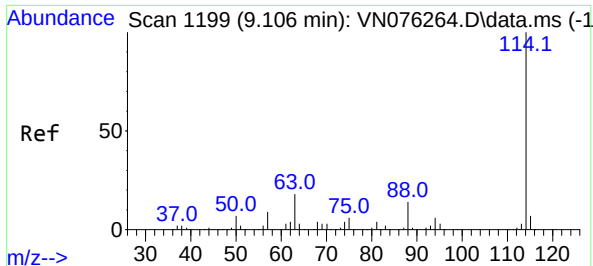
Tgt Ion: 56 Resp: 8333
Ion Ratio Lower Upper
56 100
69 175.7 25.8 38.8#
84 156.6 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 47.638 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

Tgt Ion: 65 Resp: 212294
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.6

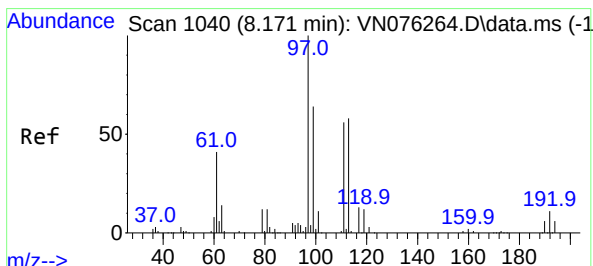
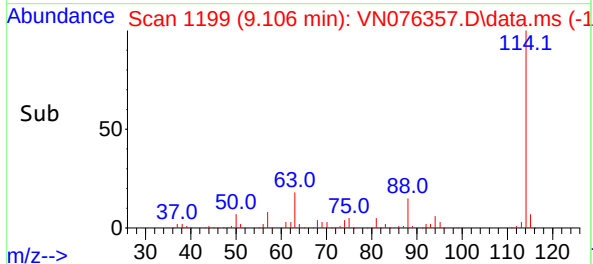
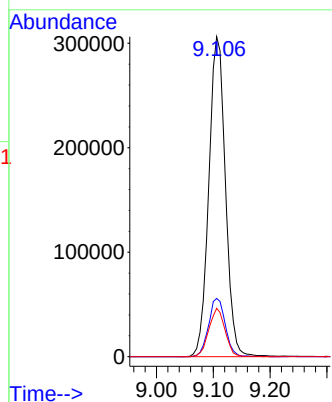
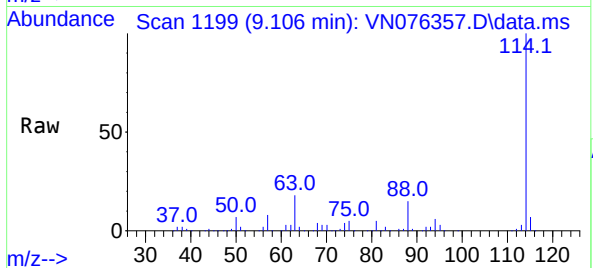




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

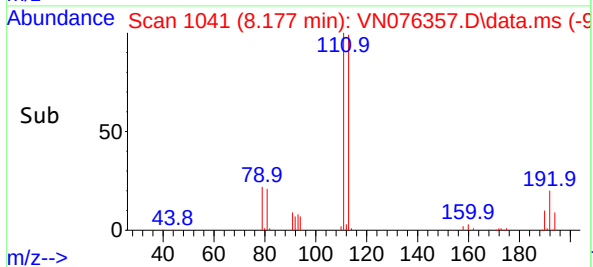
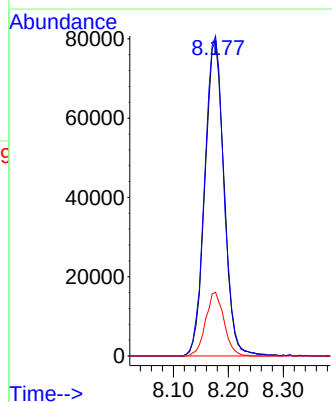
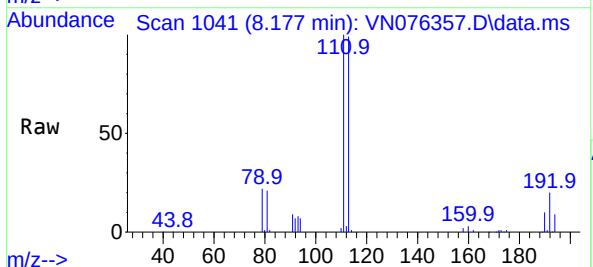
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

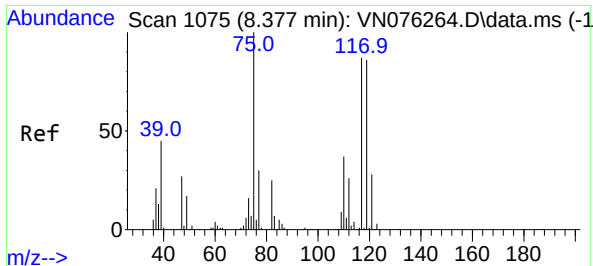
Tgt Ion:114 Resp: 620514
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.8
88 15.1 0.0 28.0



#35
Dibromofluoromethane
Concen: 49.452 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

Tgt Ion:113 Resp: 191950
Ion Ratio Lower Upper
113 100
111 102.4 82.7 124.1
192 19.5 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.482 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.142 min

Lab File: VN076357.D

Acq: 23 Jan 2023 11:15

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBL01

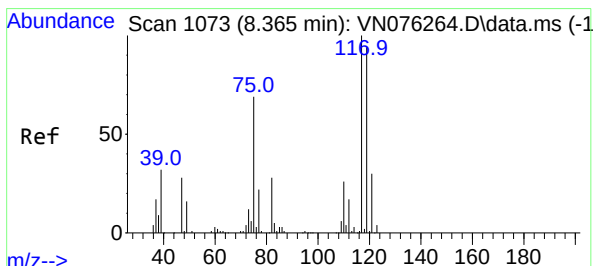
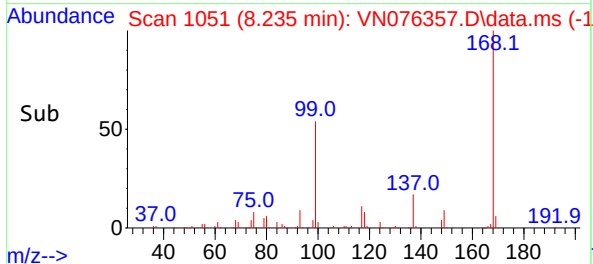
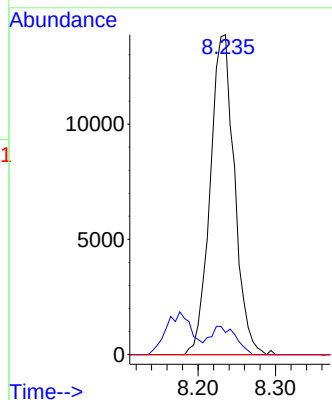
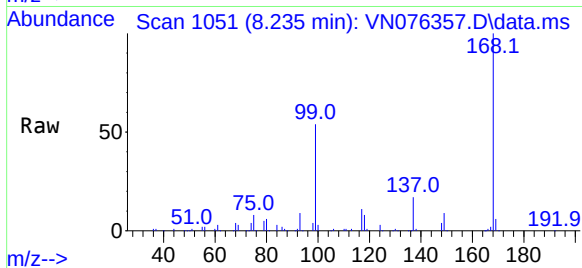
Tgt Ion: 75 Resp: 30235

Ion Ratio Lower Upper

75 100

110 9.3 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.502 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.130 min

Lab File: VN076357.D

Acq: 23 Jan 2023 11:15

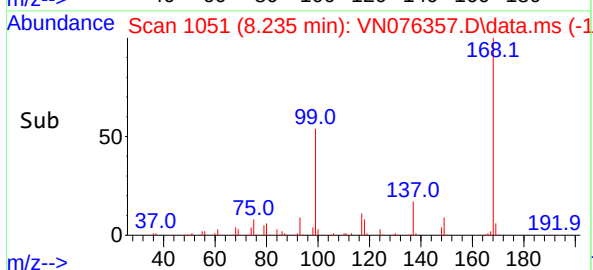
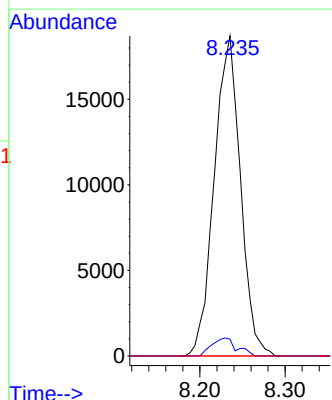
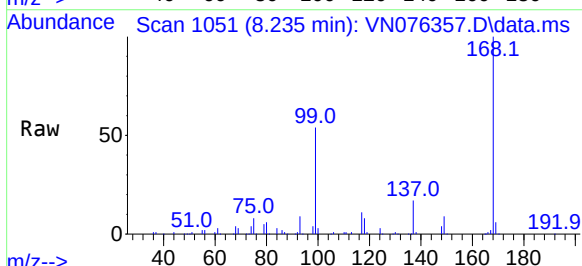
Tgt Ion: 117 Resp: 39993

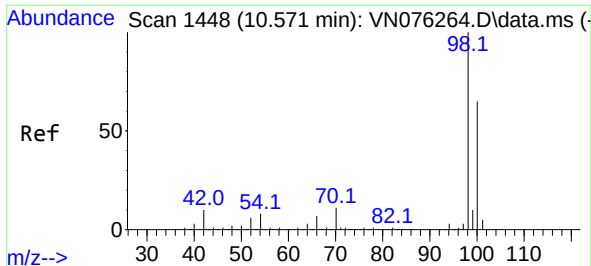
Ion Ratio Lower Upper

117 100

119 5.2 75.4 113.0#

121 0.0 24.2 36.2#

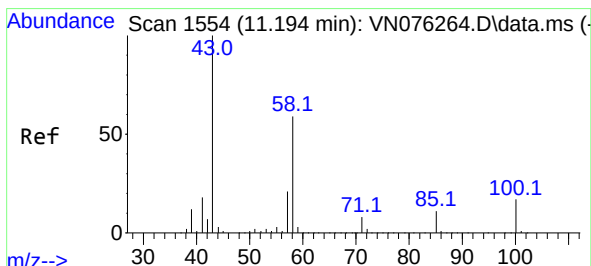
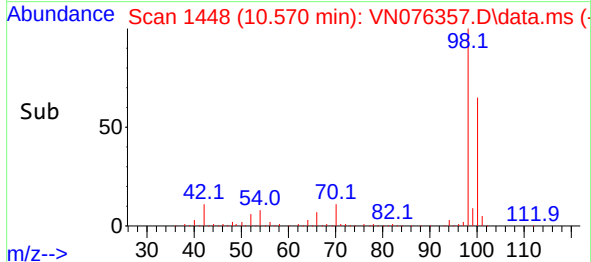
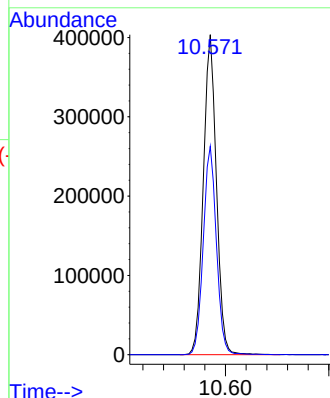
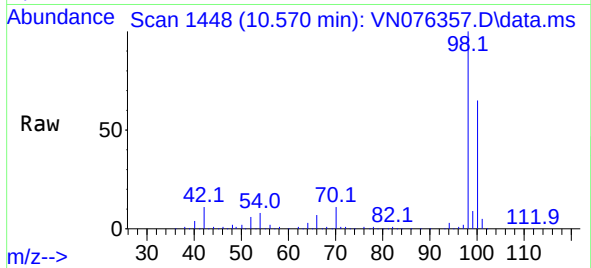




#50
Toluene-d8
Concen: 49.433 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

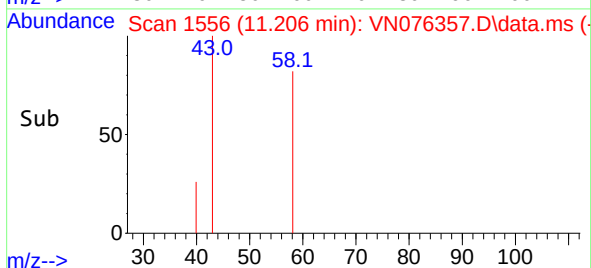
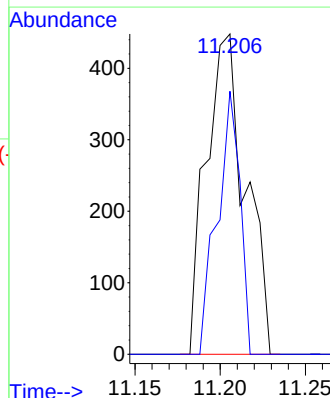
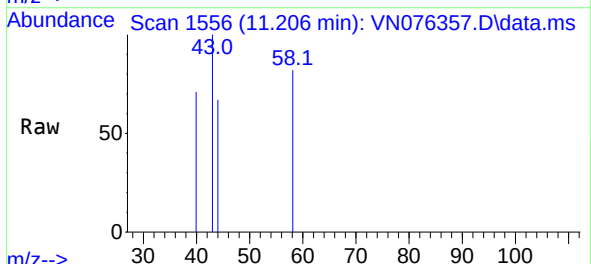
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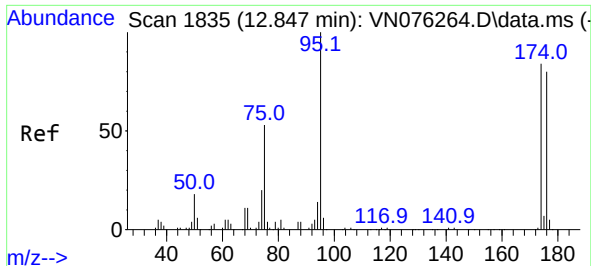
Tgt Ion: 98 Resp: 708634
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#59
2-Hexanone
Concen: 0.236 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.012 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 47.2 30.1 90.3

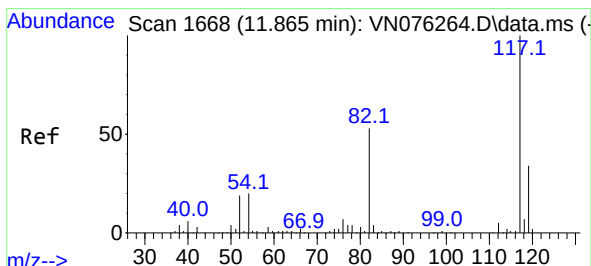
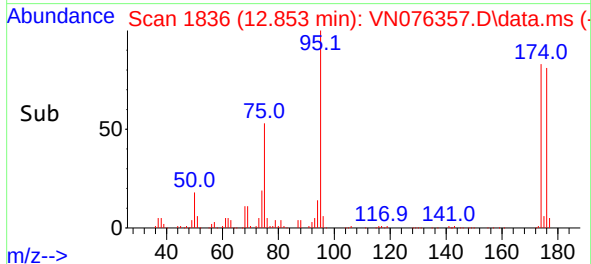
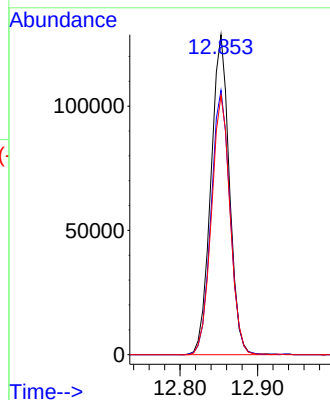
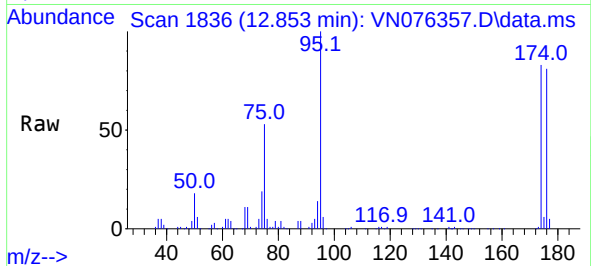




#62
4-Bromofluorobenzene
Concen: 45.572 ug/l
RT: 12.853 min Scan# 1835
Delta R.T. 0.006 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

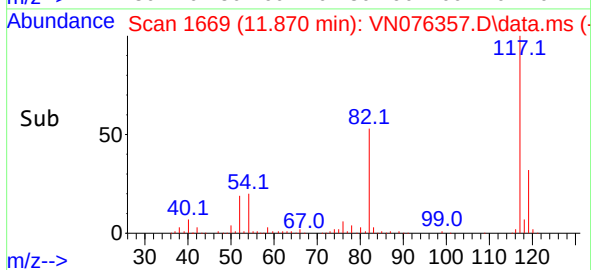
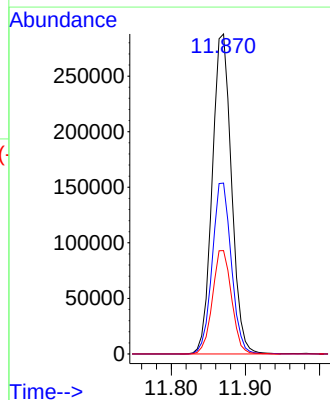
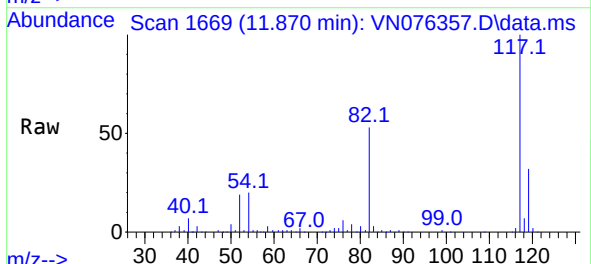
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

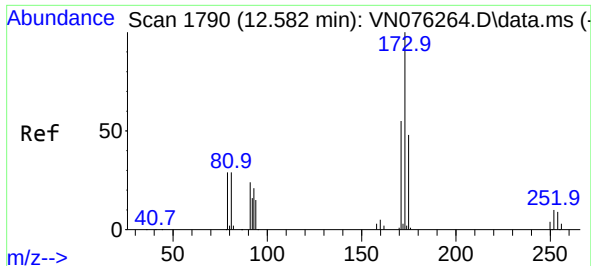
Tgt Ion: 95 Resp: 213266
Ion Ratio Lower Upper
95 100
174 84.0 0.0 174.6
176 81.6 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

Tgt Ion: 117 Resp: 519528
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.2
119 32.3 26.9 40.3

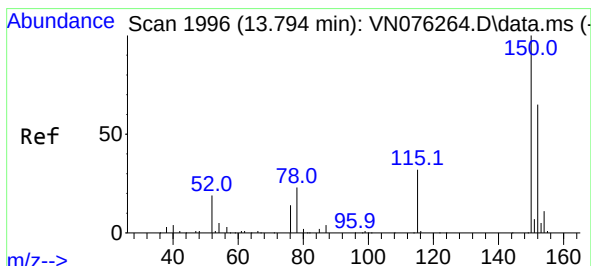
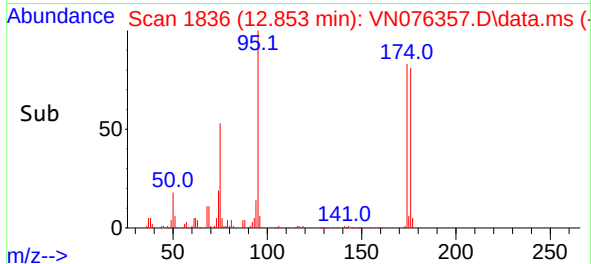
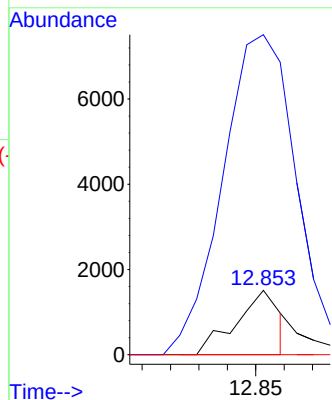
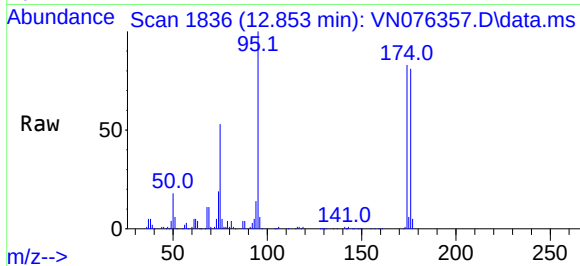




#71
Bromoform
Concen: 0.548 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

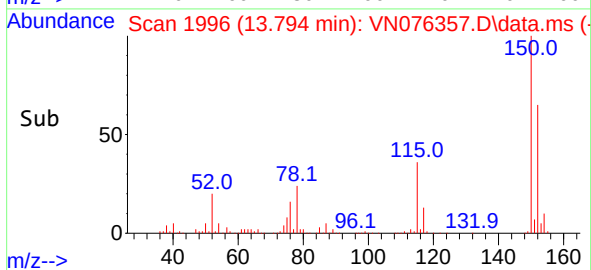
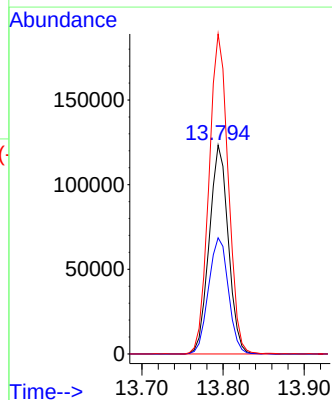
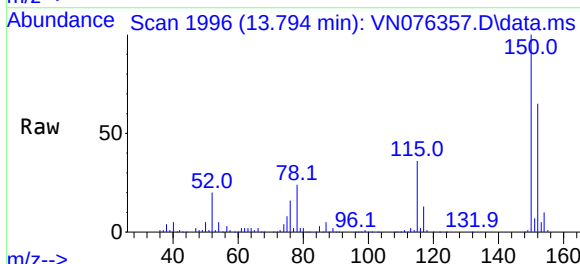
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

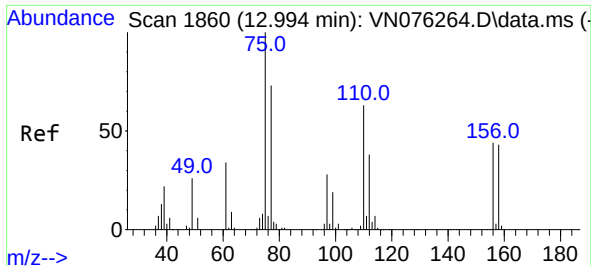
Tgt Ion:173 Resp: 1616
Ion Ratio Lower Upper
173 100
175 686.4 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

Tgt Ion:152 Resp: 200958
Ion Ratio Lower Upper
152 100
115 58.0 29.6 88.9
150 154.9 0.0 351.4

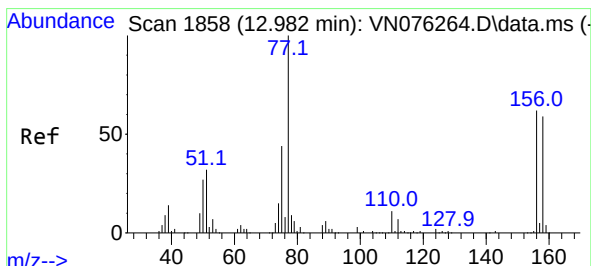
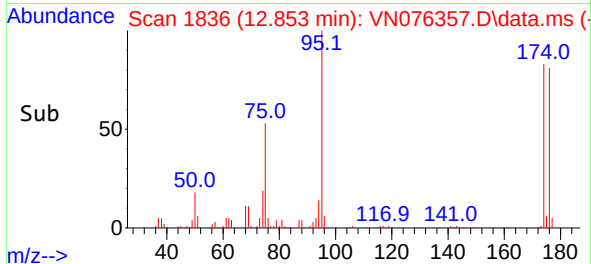
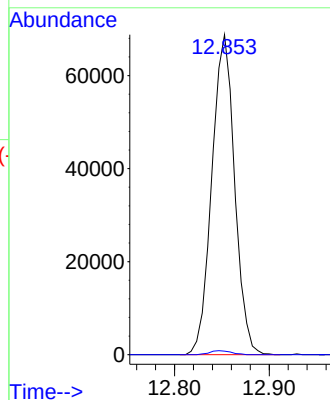
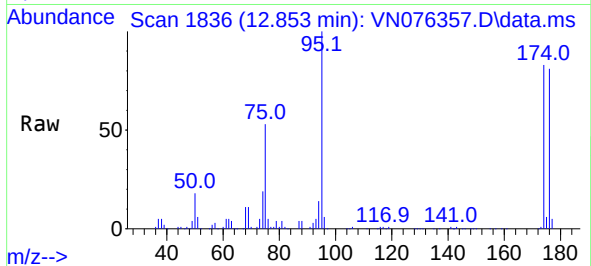




#76
1,2,3-Trichloropropane
Concen: 31.075 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

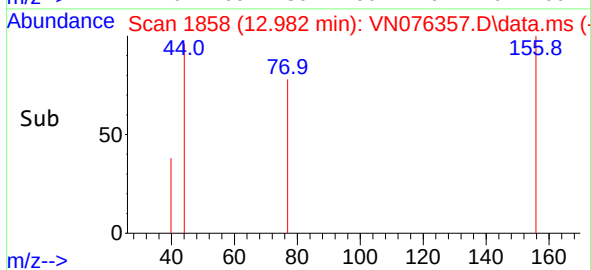
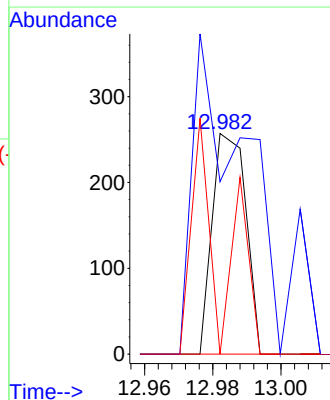
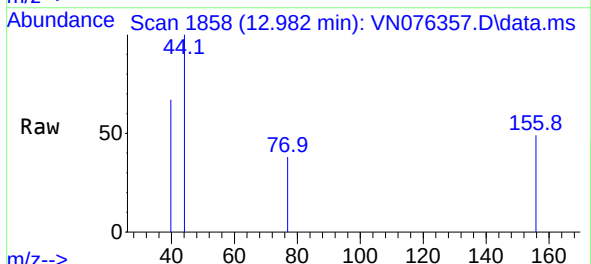
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

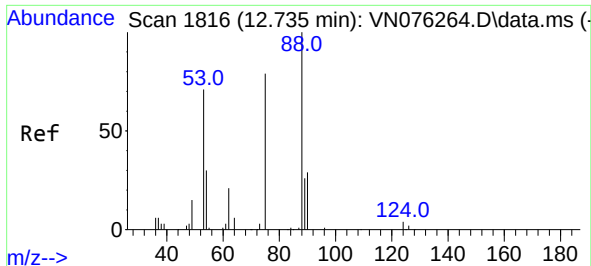
Tgt Ion: 75 Resp: 115079
Ion Ratio Lower Upper
75 100
77 1.2 75.2 225.6#



#77
Bromobenzene
Concen: Below Cal
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

Tgt Ion:156 Resp: 175
Ion Ratio Lower Upper
156 100
77 250.9 93.4 280.2
158 97.1 48.4 145.2

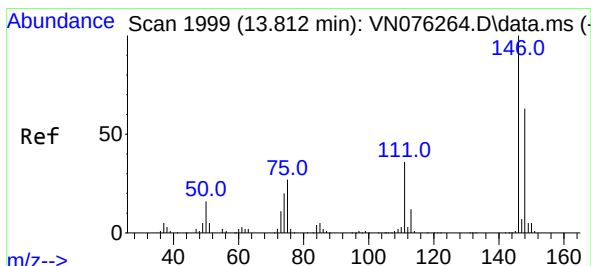
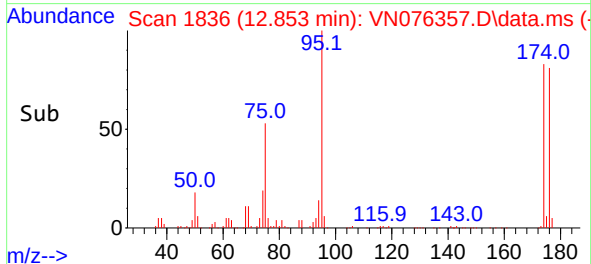
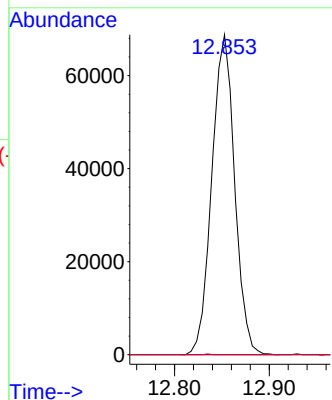
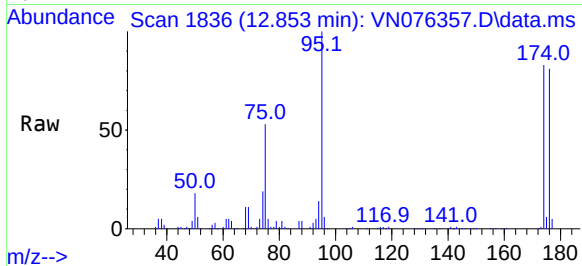




#81
trans-1,4-Dichloro-2-butene
Concen: 95.280 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

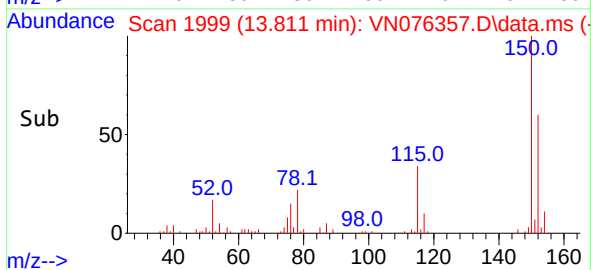
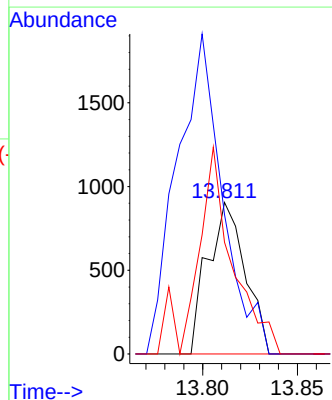
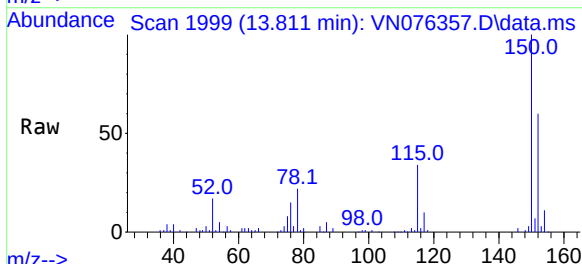
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

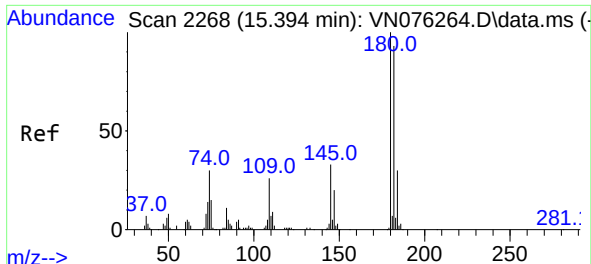
Tgt Ion: 75 Resp: 115079
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 37.0 55.6#



#88
1,4-Dichlorobenzene
Concen: 0.280 ug/l
RT: 13.811 min Scan# 1999
Delta R.T. -0.001 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

Tgt Ion:146 Resp: 1250
Ion Ratio Lower Upper
146 100
111 255.0 19.1 57.5#
148 128.6 31.9 95.9#

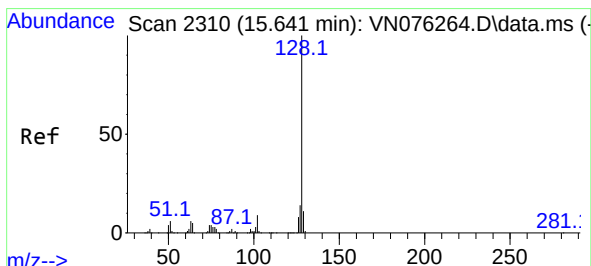
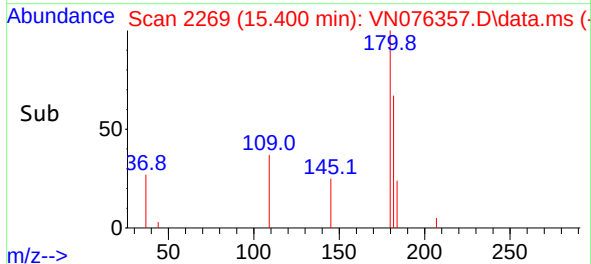
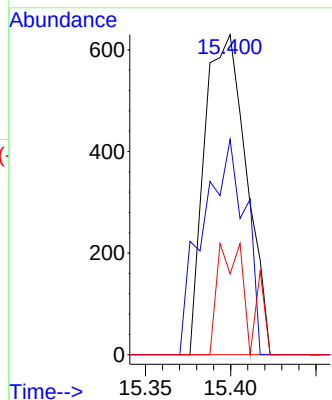
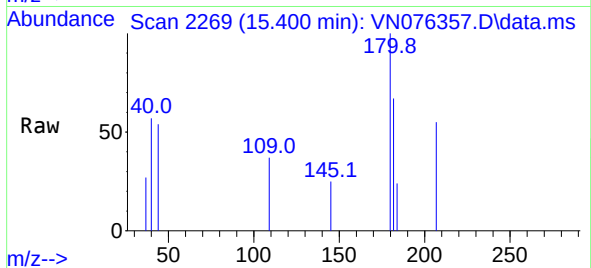




#93
1,2,4-Trichlorobenzene
Concen: 1.601 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

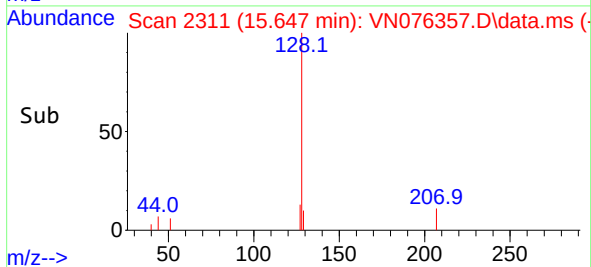
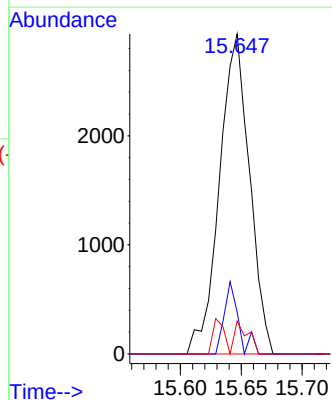
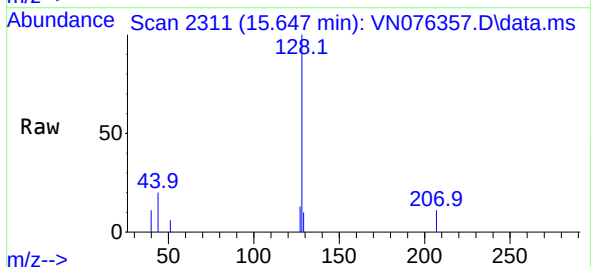
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBL01

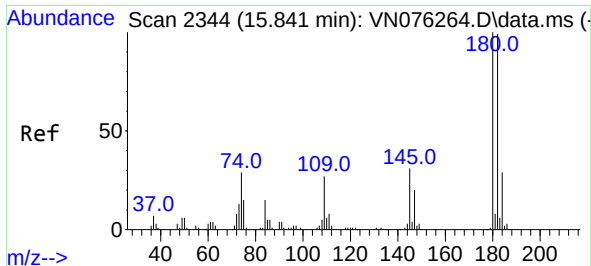
Tgt Ion:180 Resp: 1073
Ion Ratio Lower Upper
180 100
182 68.4 47.0 141.2
145 25.1 15.2 45.5



#95
Naphthalene
Concen: 2.304 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076357.D
Acq: 23 Jan 2023 11:15

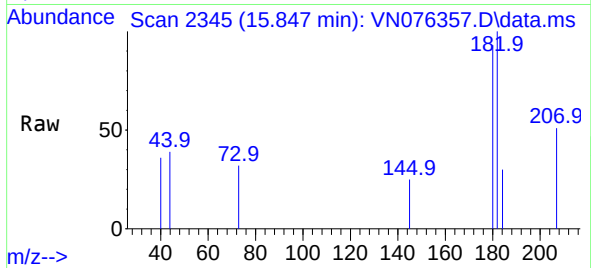
Tgt Ion:128 Resp: 5037
Ion Ratio Lower Upper
128 100
127 10.8 10.3 15.5
129 4.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.497 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076357.D
 Acq: 23 Jan 2023 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBL01



Tgt Ion:	180	Resp:	1182
Ion	Ratio	Lower	Upper
180	100		
182	102.0	47.5	142.5
145	19.0	15.9	47.6

