

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069057.D
 Acq On : 20 Oct 2021 13:15
 Operator : JC/MD
 Sample : M4286-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 16:40:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

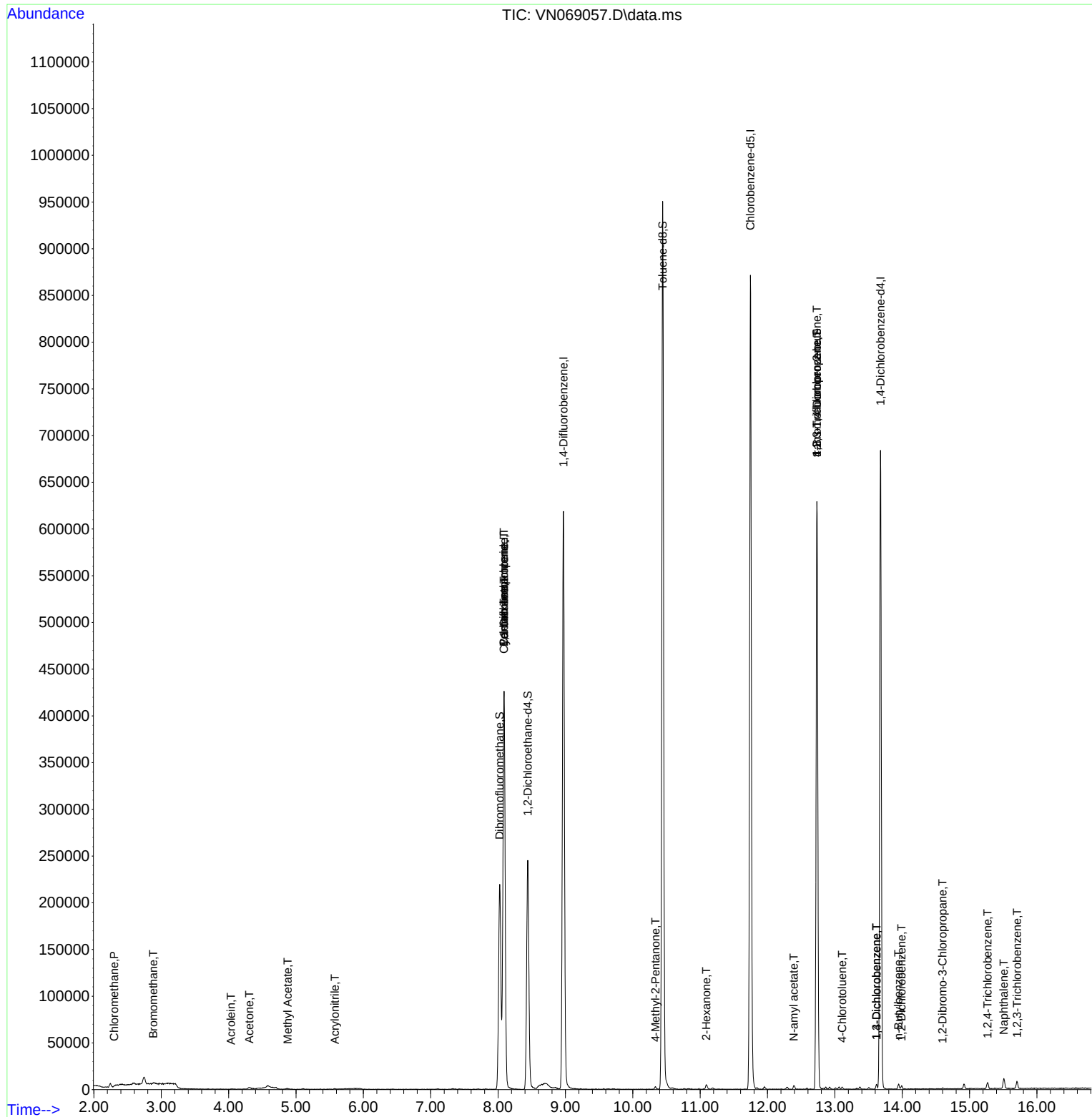
Internal Standards						
1) Pentafluorobenzene	8.088	168	321036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	558628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	512010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	181264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	210223	49.666	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.340%		
35) Dibromofluoromethane	8.024	113	163976	50.452	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.900%		
50) Toluene-d8	10.443	98	693262	53.310	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.620%		
62) 4-Bromofluorobenzene	12.734	95	232175	47.321	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.640%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	840	0.214	ug/l	98
5) Bromomethane	2.880	94	826	0.377	ug/l #	74
13) Acrolein	4.036	56	80	0.234	ug/l	89
15) Acrylonitrile	5.575	53	361	0.208	ug/l #	56
16) Acetone	4.307	43	3130	1.982	ug/l	90
18) Methyl Acetate	4.875	43	1805	0.301	ug/l #	61
31) Cyclohexane	8.086	56	7615	1.157	ug/l #	19
36) 1,1-Dichloropropene	8.088	75	26583	5.571	ug/l #	50
38) Carbon Tetrachloride	8.088	117	33642	6.420	ug/l #	15
51) 4-Methyl-2-Pentanone	10.339	43	2321	0.460	ug/l #	83
59) 2-Hexanone	11.092	43	4507	1.247	ug/l	90
74) N-amyl acetate	12.390	43	2714	0.475	ug/l	95
76) 1,2,3-Trichloropropane	12.734	75	122365	31.727	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	122365	75.906	ug/l #	12
82) 4-Chlorotoluene	13.109	91	2192	0.217	ug/l	89
87) 1,3-Dichlorobenzene	13.619	146	1613	0.280	ug/l	94
88) 1,4-Dichlorobenzene	13.619	146	1613	0.282	ug/l	95
89) n-Butylbenzene	13.943	91	3811	0.377	ug/l	97
91) 1,2-Dichlorobenzene	13.991	146	1839	0.328	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.600	75	210	0.250	ug/l #	22
93) 1,2,4-Trichlorobenzene	15.268	180	2747	3.457	ug/l	100
95) Naphthalene	15.507	128	10954	5.015	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	3102	3.531	ug/l	98

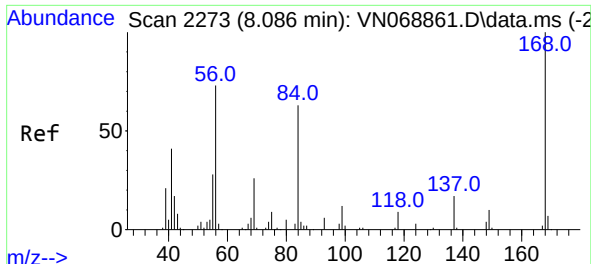
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 20 Oct 2021 13:15
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MSVOA_N
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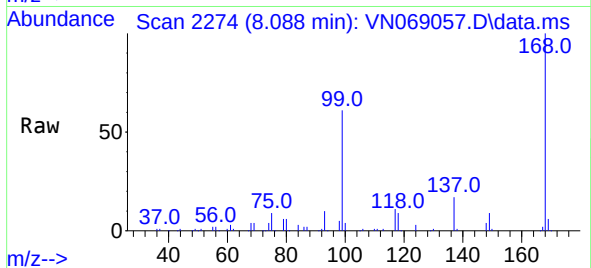
Quant Time: Oct 20 16:40:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
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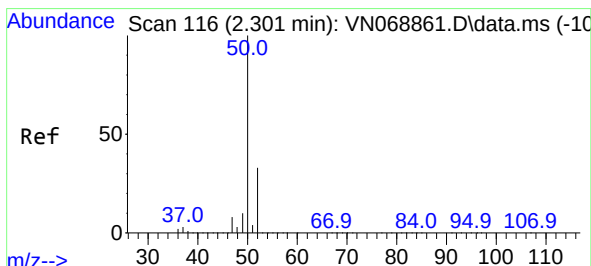
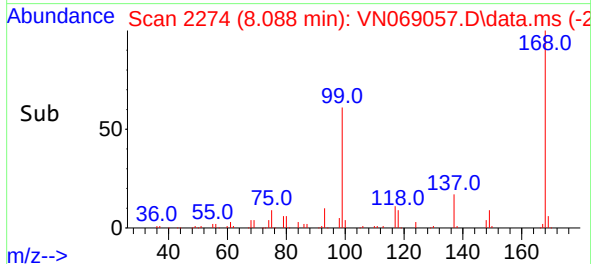
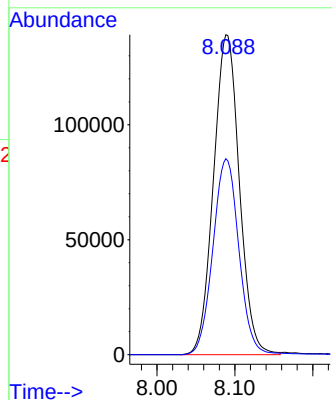


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Instrument :
MSVOA_N
ClientSampled :

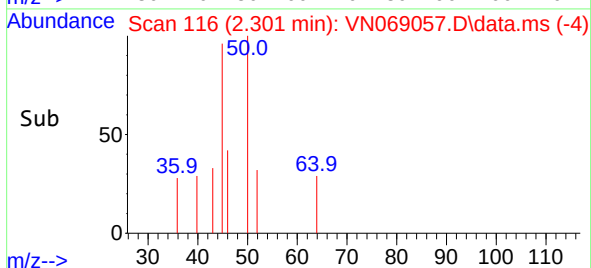
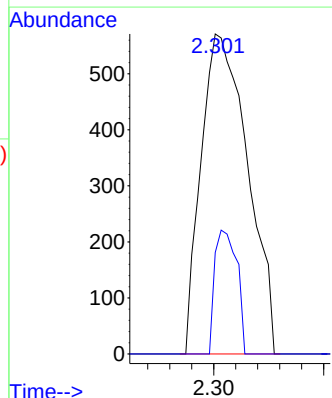
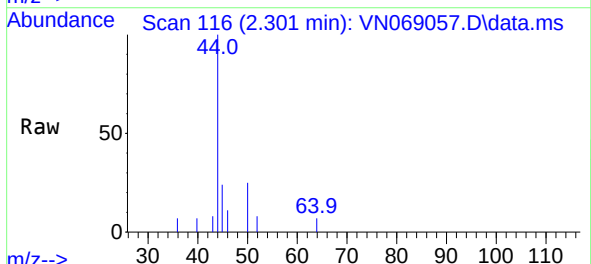


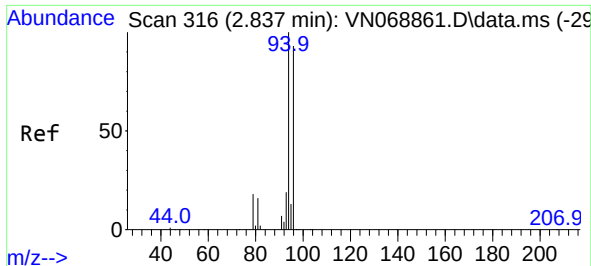
Tgt Ion:168 Resp: 321036
Ion Ratio Lower Upper
168 100
99 61.2 48.9 73.3



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.301 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

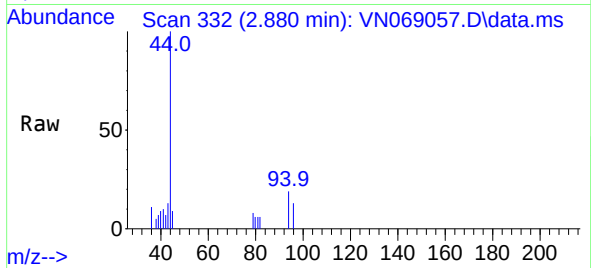
Tgt Ion: 50 Resp: 840
Ion Ratio Lower Upper
50 100
52 31.7 26.3 39.5



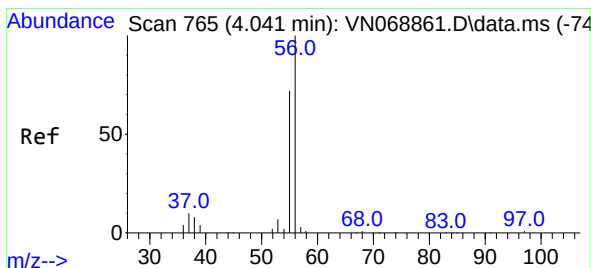
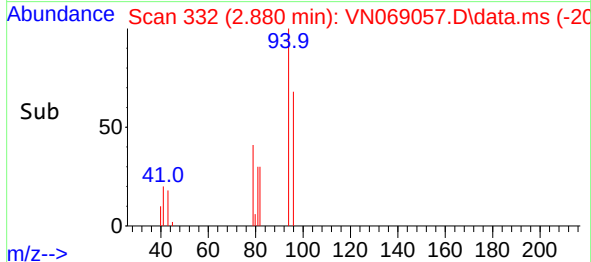
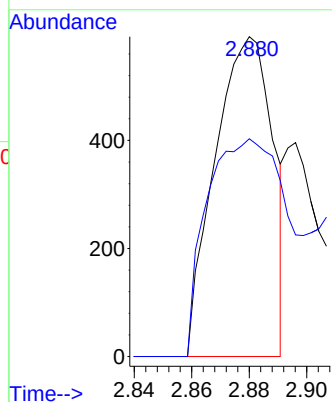


#5
Bromomethane
Concen: 0.377 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Instrument :
MSVOA_N
ClientSampled :

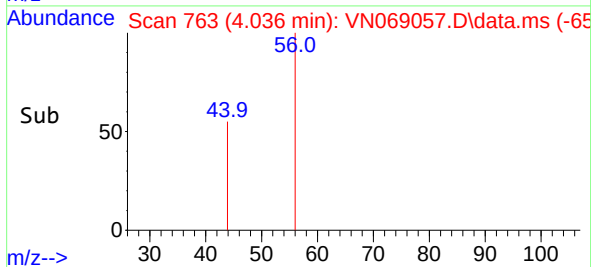
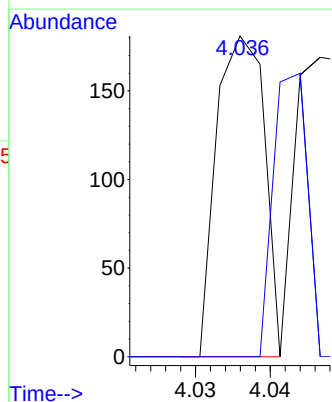
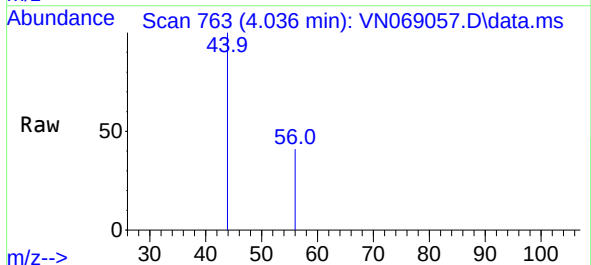


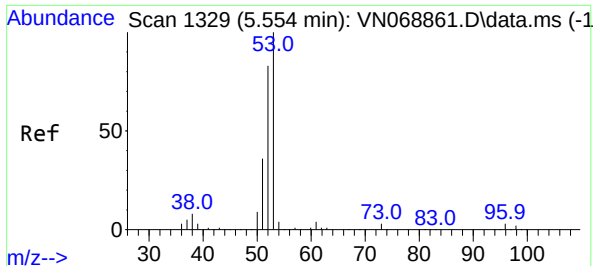
Tgt Ion: 94 Resp: 826
Ion Ratio Lower Upper
94 100
96 68.1 74.2 111.4#



#13
Acrolein
Concen: 0.234 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 63.7 58.1 87.1

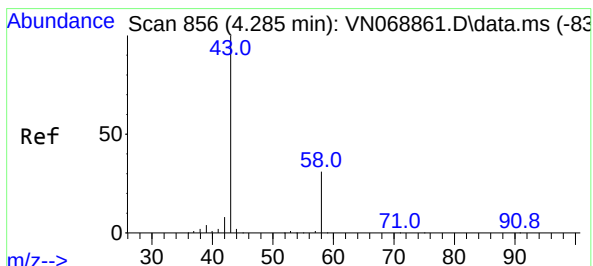
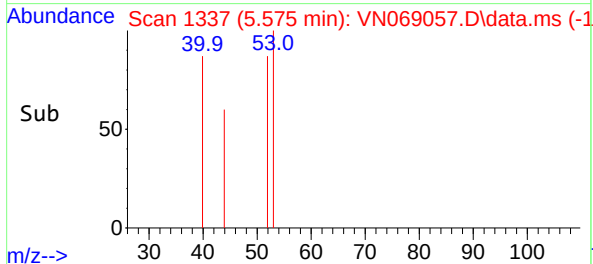
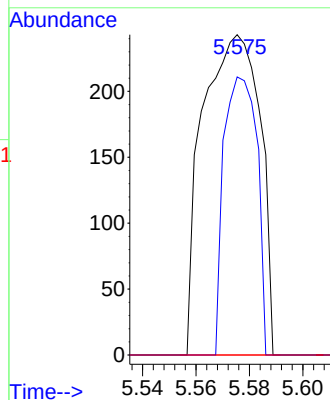
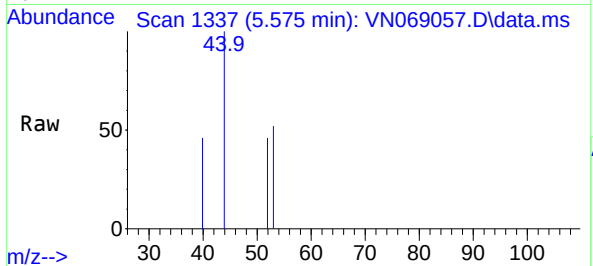




#15
Acrylonitrile
Concen: 0.208 ug/l
RT: 5.575 min Scan# 1337
Delta R.T. 0.022 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

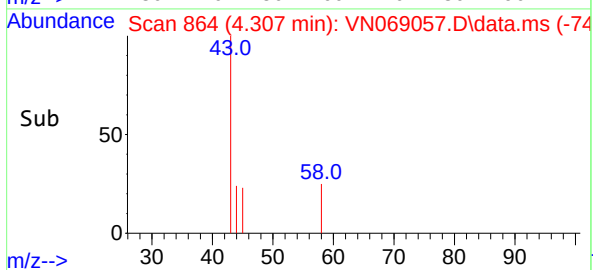
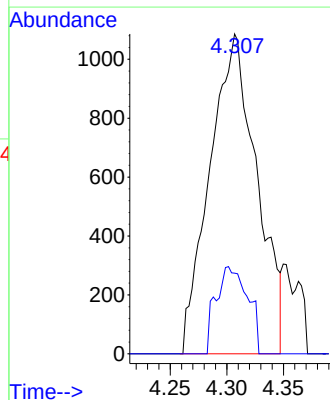
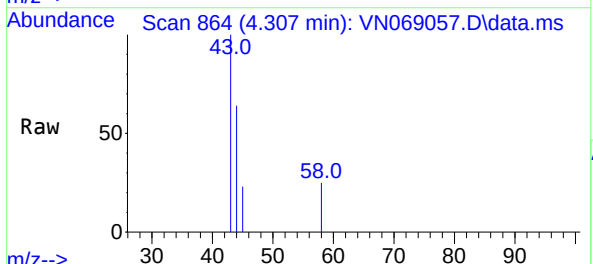
Instrument :
MSVOA_N
ClientSampled :

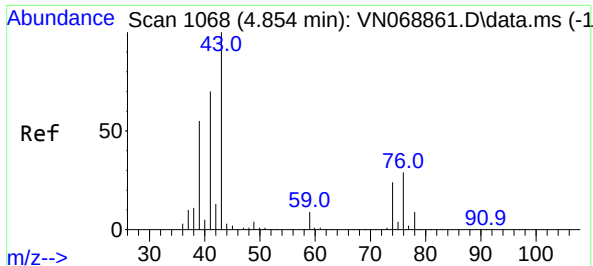
Tgt Ion: 53 Resp: 361
Ion Ratio Lower Upper
53 100
52 50.1 65.7 98.5#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 1.982 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.022 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 43 Resp: 3130
Ion Ratio Lower Upper
43 100
58 25.2 24.5 36.7





#18

Methyl Acetate

Concen: 0.301 ug/l

RT: 4.875 min Scan# 1076

Delta R.T. 0.022 min

Lab File: VN069057.D

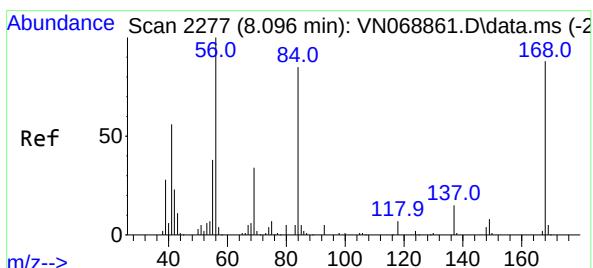
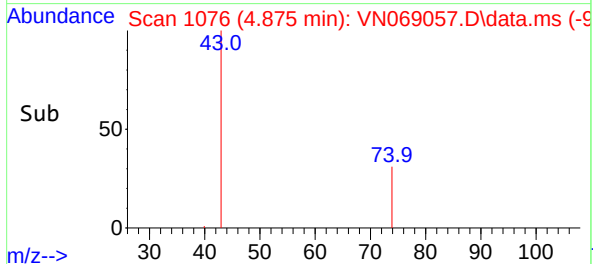
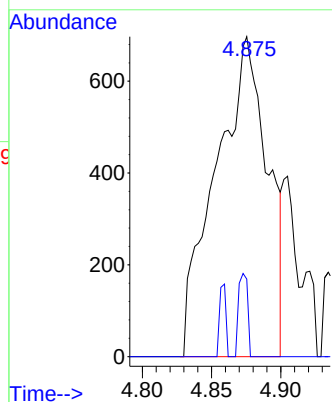
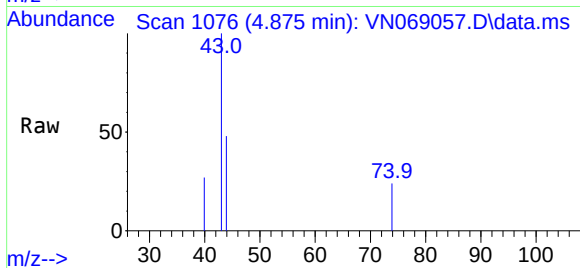
Acq: 20 Oct 2021 13:15

Tgt Ion: 43 Resp: 1805

Ion Ratio Lower Upper

43 100

74 4.5 18.9 28.3#



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.010 min

Lab File: VN069057.D

Acq: 20 Oct 2021 13:15

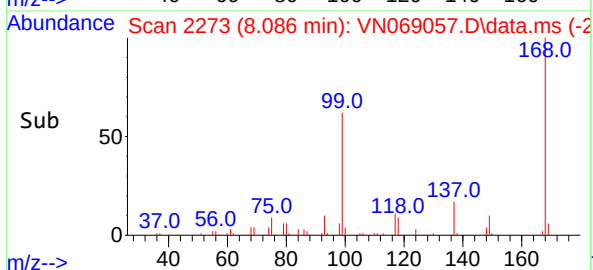
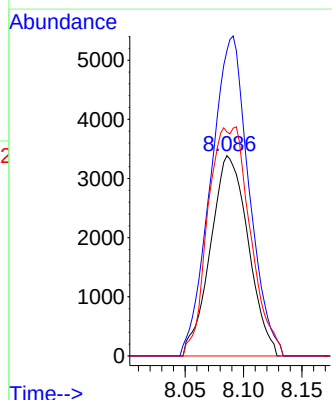
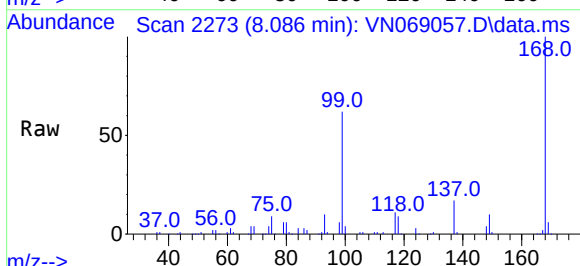
Tgt Ion: 56 Resp: 7615

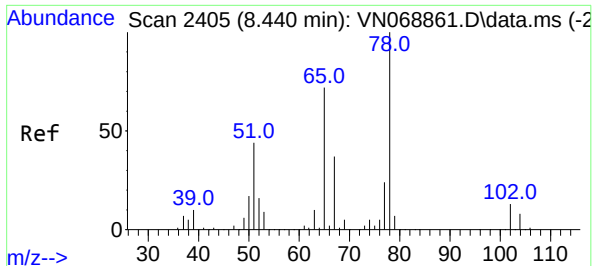
Ion Ratio Lower Upper

56 100

69 152.4 26.9 40.3#

84 111.9 67.6 101.4#



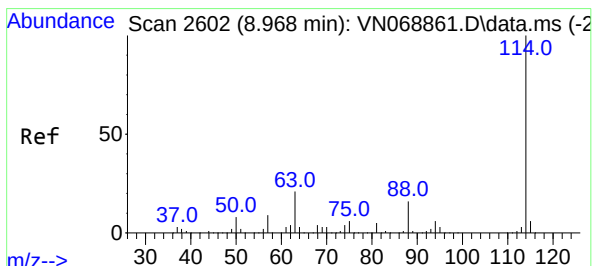
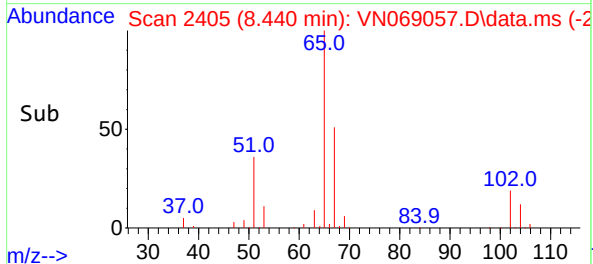
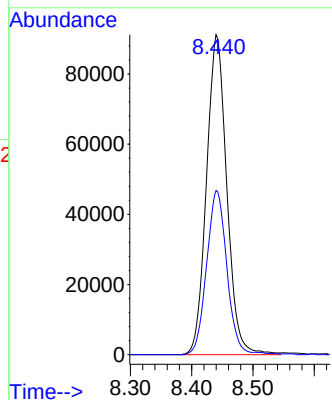
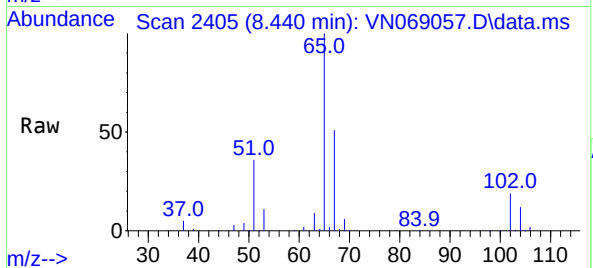


#33

1,2-Dichloroethane-d4
Concen: 49.666 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Instrument :
MSVOA_N
ClientSampled :

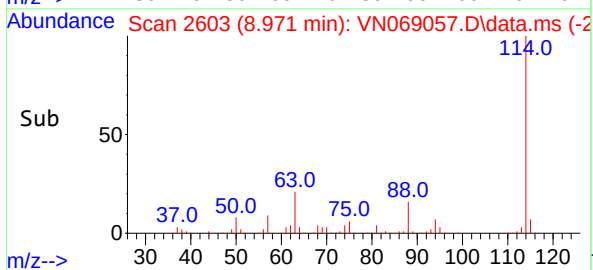
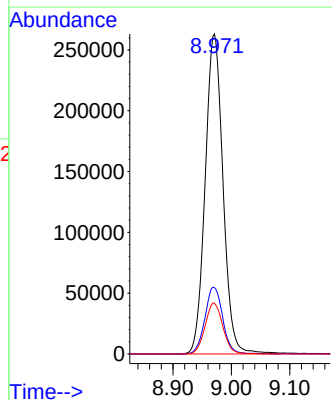
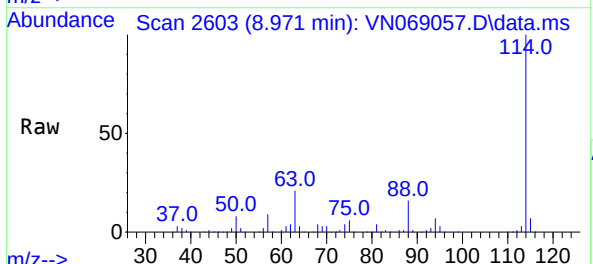
Tgt Ion: 65 Resp: 210223
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.8

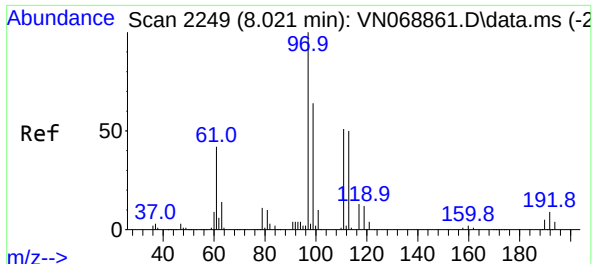


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 114 Resp: 558628
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.9 0.0 32.0

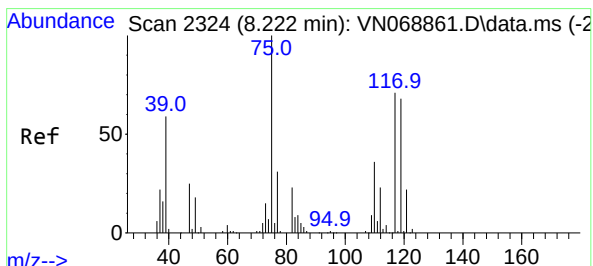
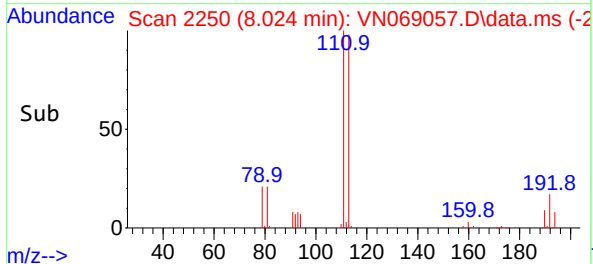
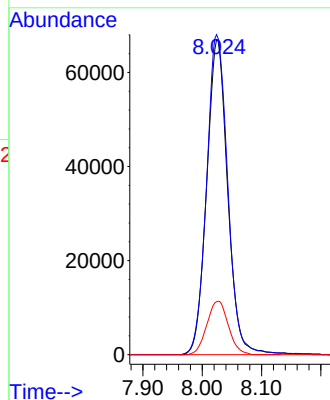
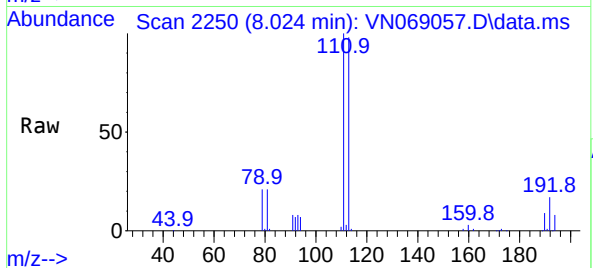




#35
Dibromofluoromethane
Concen: 50.452 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

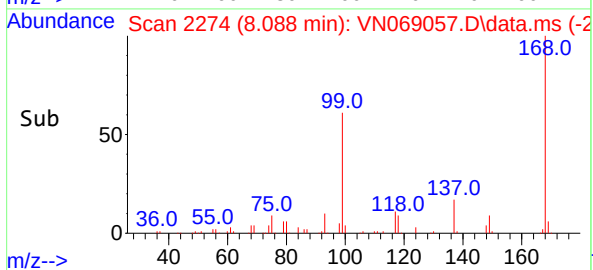
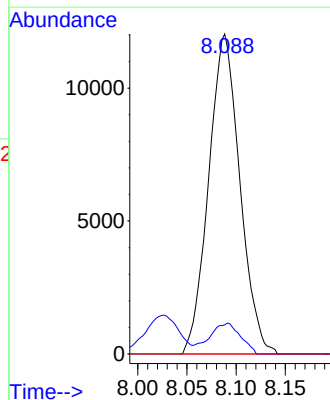
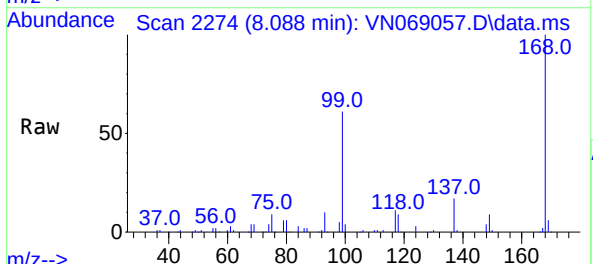
Instrument :
MSVOA_N
ClientSampleId :

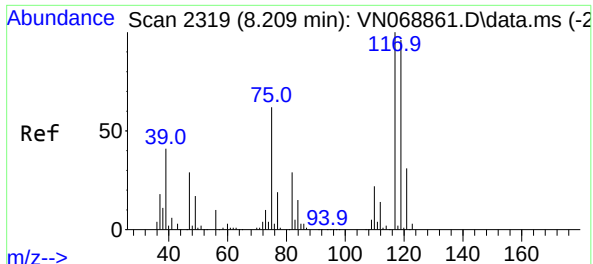
Tgt Ion:113 Resp: 163976
Ion Ratio Lower Upper
113 100
111 102.6 83.2 124.8
192 17.5 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.571 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

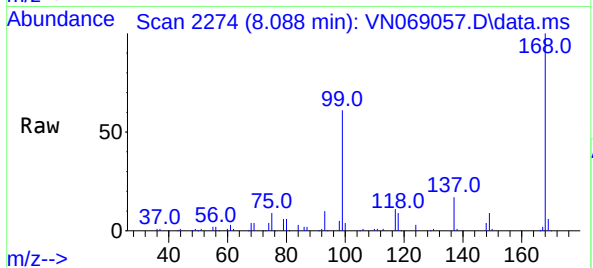
Tgt Ion: 75 Resp: 26583
Ion Ratio Lower Upper
75 100
110 9.4 17.9 53.8#
77 0.0 24.7 37.1#



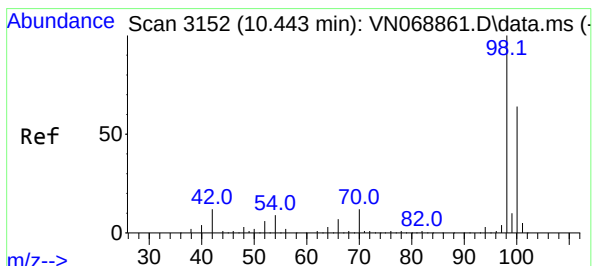
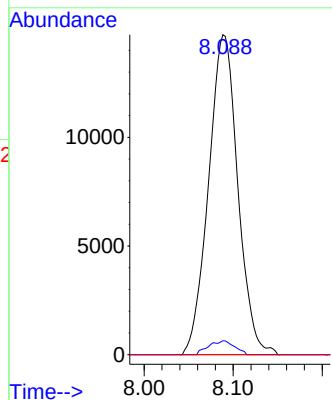
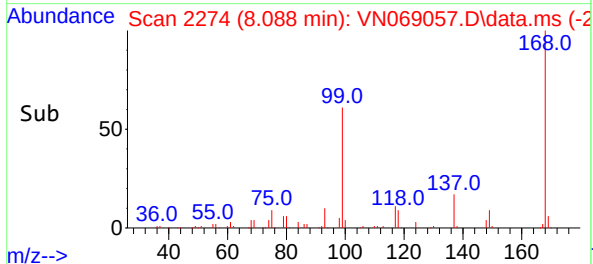


#38
Carbon Tetrachloride
Concen: 6.420 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

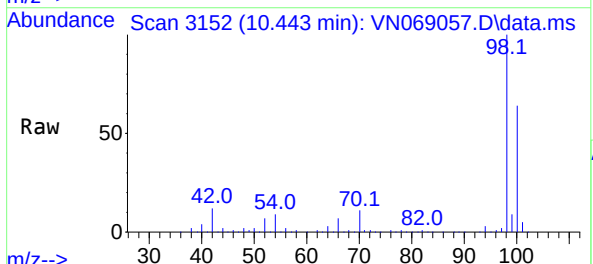
Instrument :
MSVOA_N
ClientSampleId :



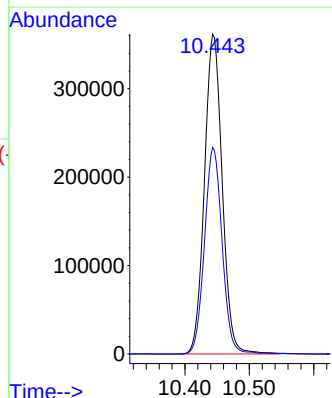
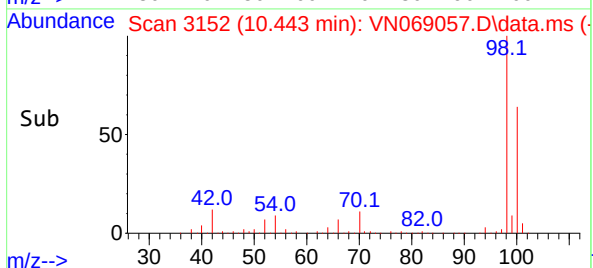
Tgt Ion:117 Resp: 33642
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.6 37.0#

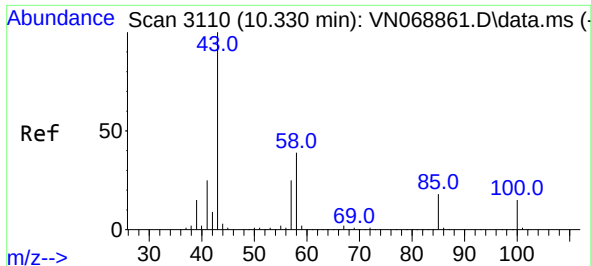


#50
Toluene-d8
Concen: 53.310 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15



Tgt Ion: 98 Resp: 693262
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3

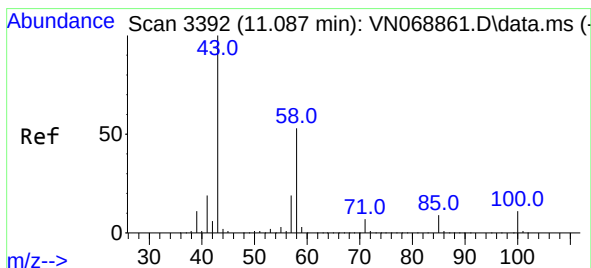
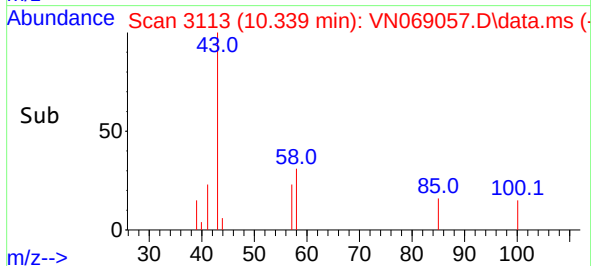
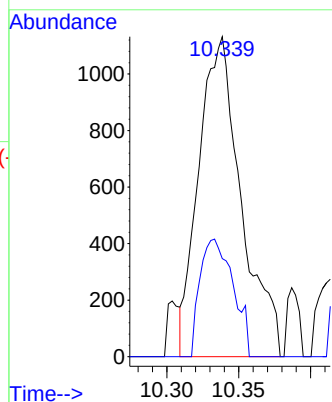
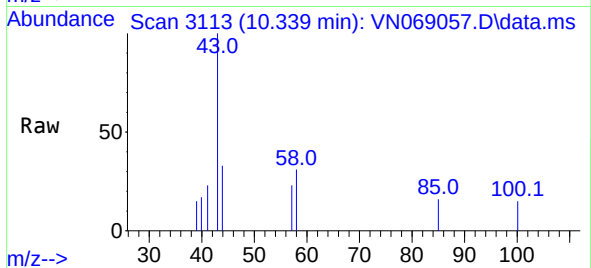




#51
4-Methyl-2-Pentanone
Concen: 0.460 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.008 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

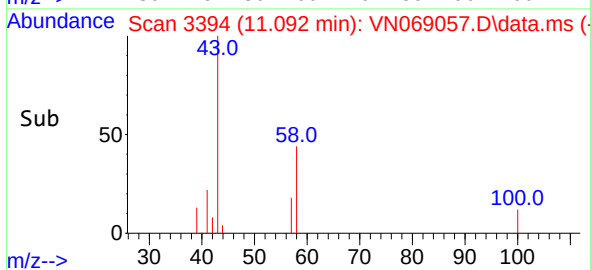
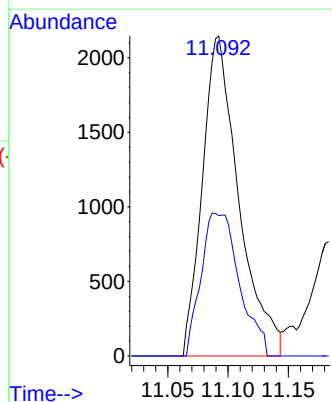
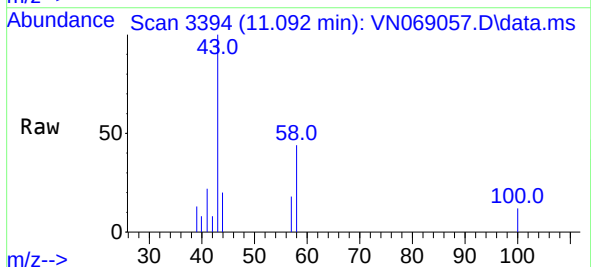
Instrument :
MSVOA_N
ClientSampled :

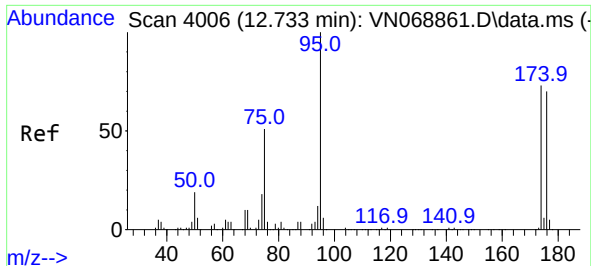
Tgt Ion: 43 Resp: 2321
Ion Ratio Lower Upper
43 100
58 28.7 31.0 46.4#



#59
2-Hexanone
Concen: 1.247 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 43 Resp: 4507
Ion Ratio Lower Upper
43 100
58 46.9 26.9 80.7

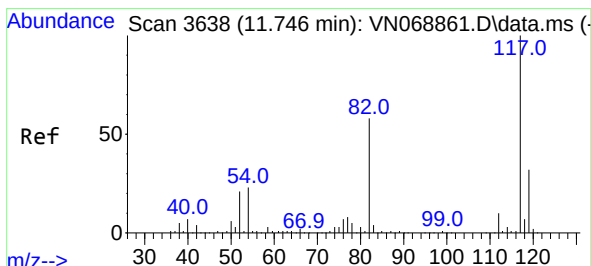
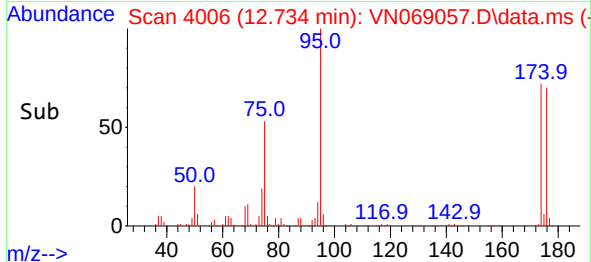
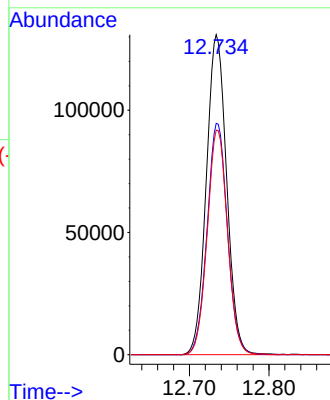
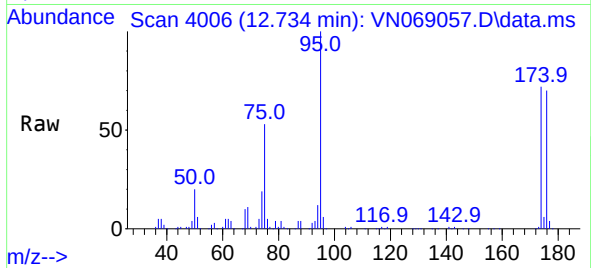




#62
4-Bromofluorobenzene
Concen: 47.321 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

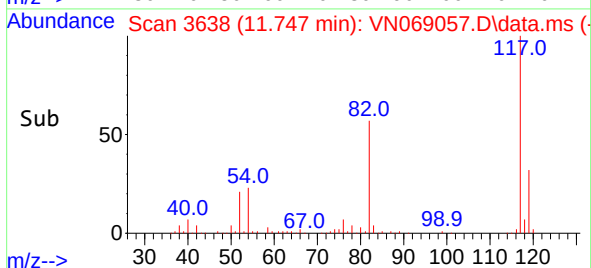
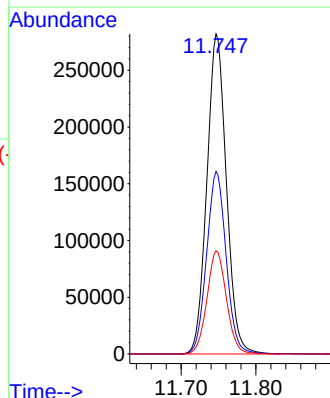
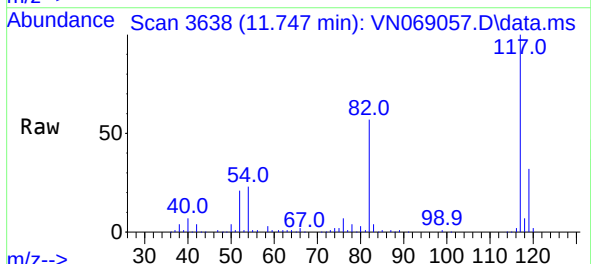
Instrument :
MSVOA_N
ClientSampleId :

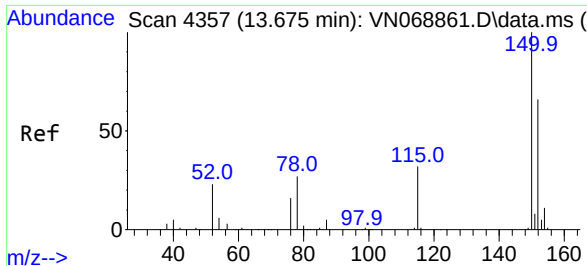
Tgt Ion: 95 Resp: 232175
Ion Ratio Lower Upper
95 100
174 72.3 0.0 144.8
176 69.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 117 Resp: 512010
Ion Ratio Lower Upper
117 100
82 57.1 46.4 69.6
119 32.3 26.0 39.0

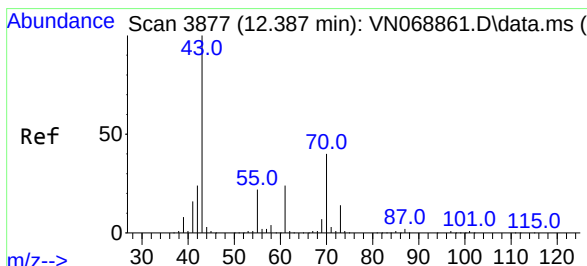
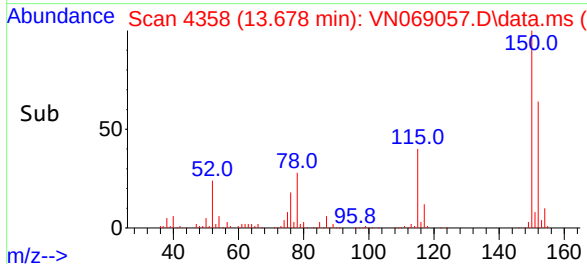
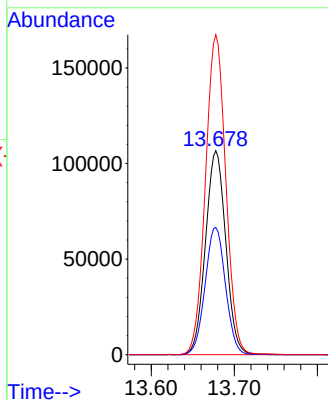
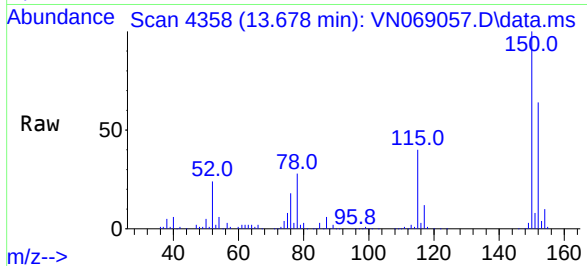




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

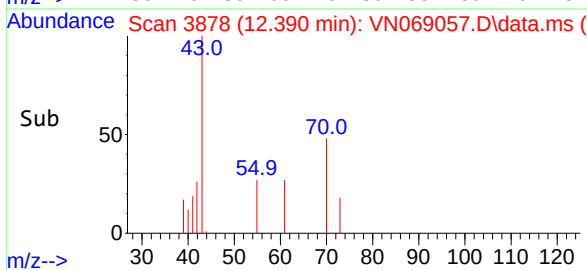
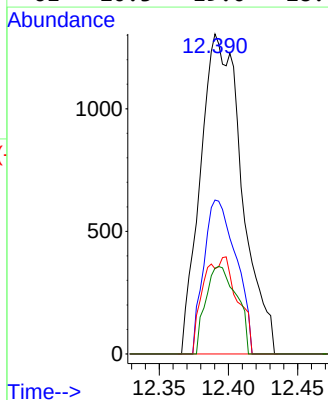
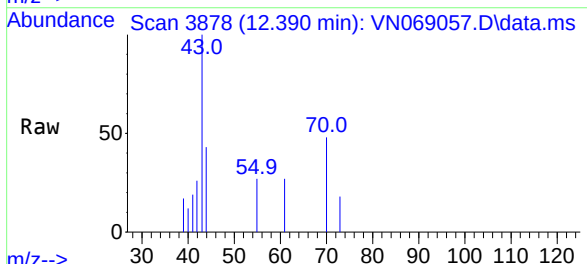
Instrument :
MSVOA_N
ClientSampleId :

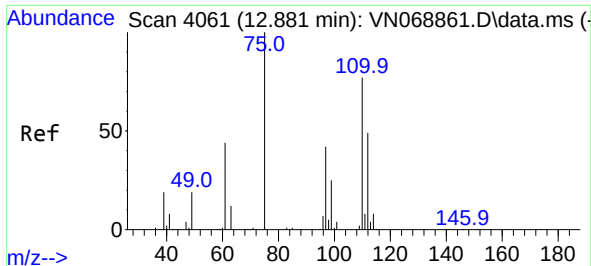
Tgt Ion:152 Resp: 181264
Ion Ratio Lower Upper
152 100
115 62.6 31.4 94.3
150 157.1 0.0 351.0



#74
N-ethyl acetate
Concen: 0.475 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 43 Resp: 2714
Ion Ratio Lower Upper
43 100
70 37.4 32.2 48.2
55 25.0 18.0 27.0
61 20.3 19.0 28.4

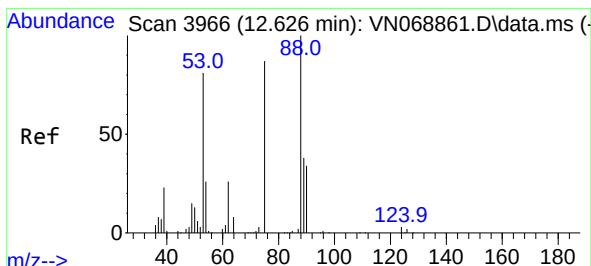
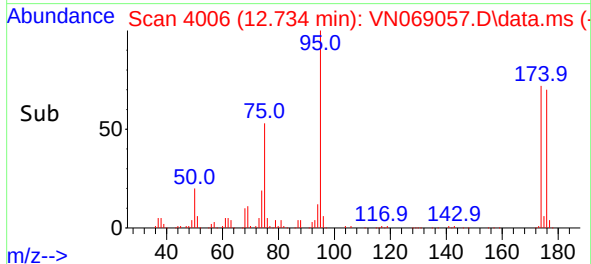
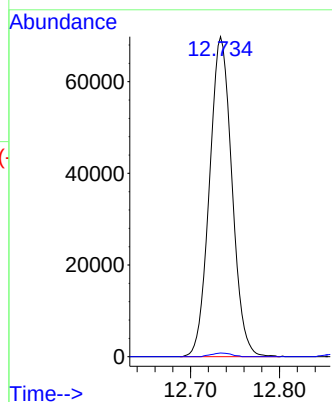
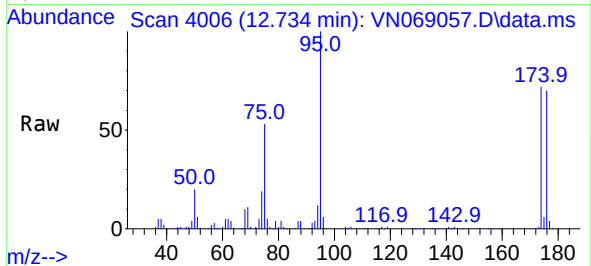




#76
1,2,3-Trichloropropane
Concen: 31.727 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

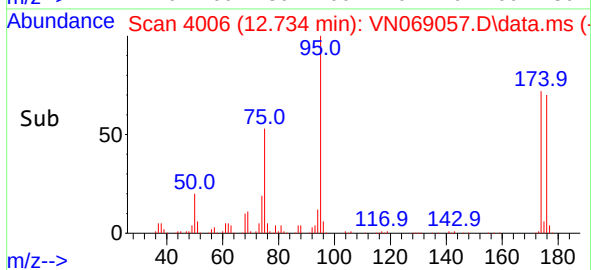
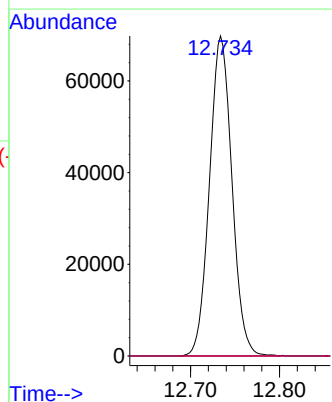
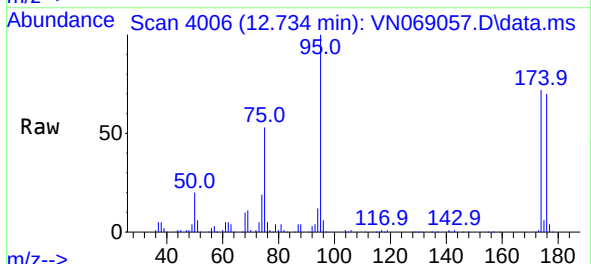
Instrument :
MSVOA_N
ClientSampled :

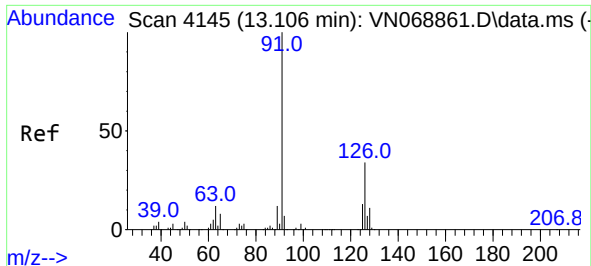
Tgt Ion: 75 Resp: 122365
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.906 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 75 Resp: 122365
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

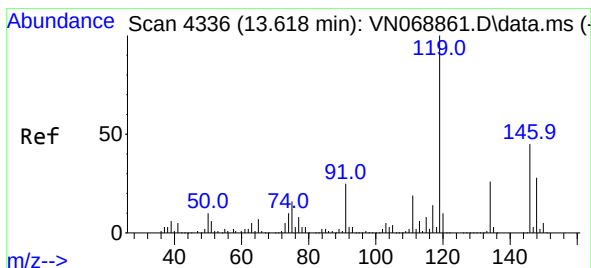
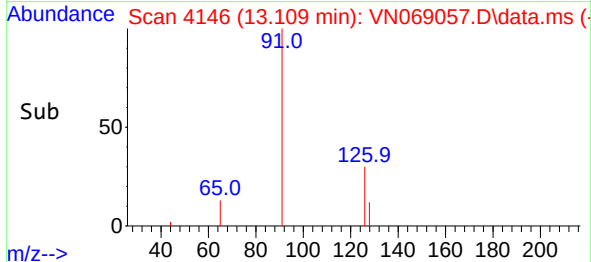
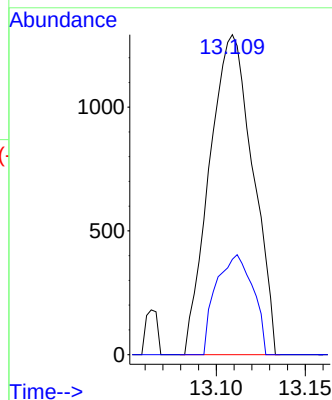
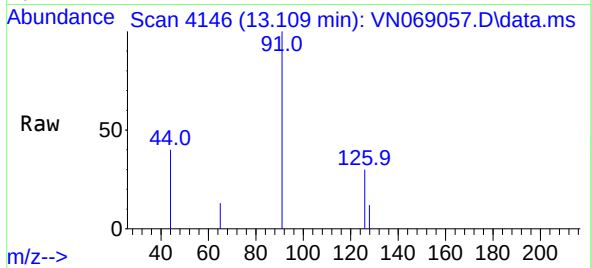




#82
4-Chlorotoluene
Concen: 0.217 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

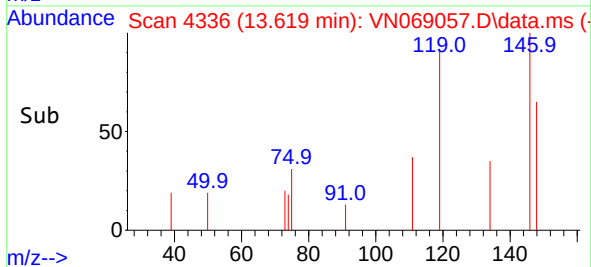
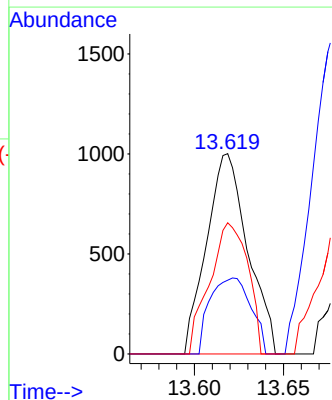
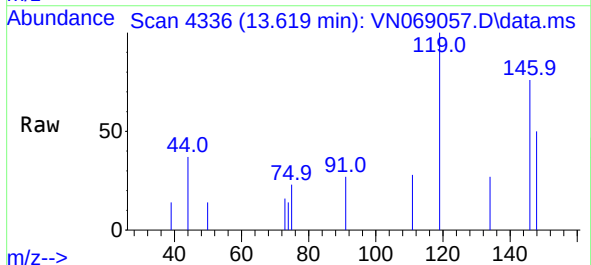
Instrument :
MSVOA_N
ClientSampled :

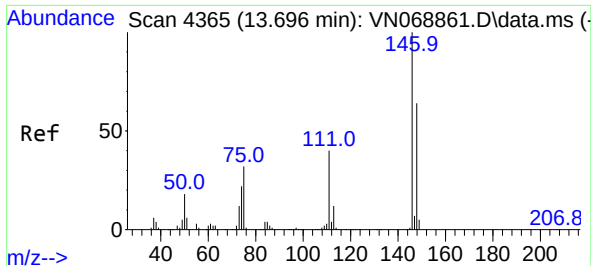
Tgt Ion: 91 Resp: 2192
Ion Ratio Lower Upper
91 100
126 26.5 16.3 48.8



#87
1,3-Dichlorobenzene
Concen: 0.280 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 146 Resp: 1613
Ion Ratio Lower Upper
146 100
111 37.7 21.4 64.2
148 60.8 32.0 96.2

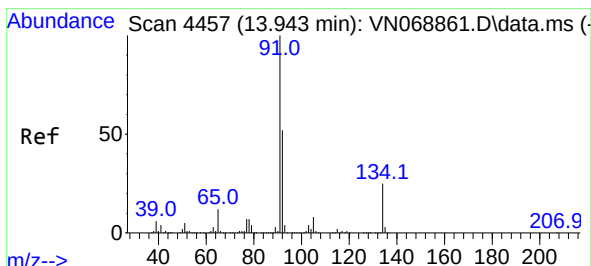
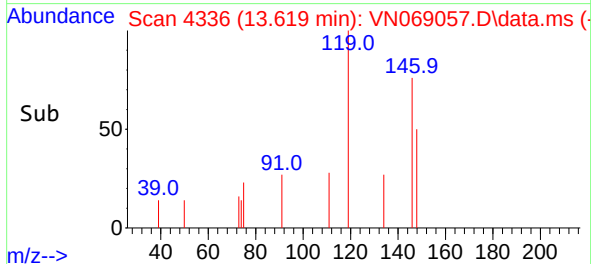
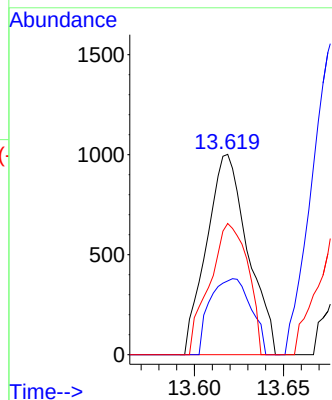
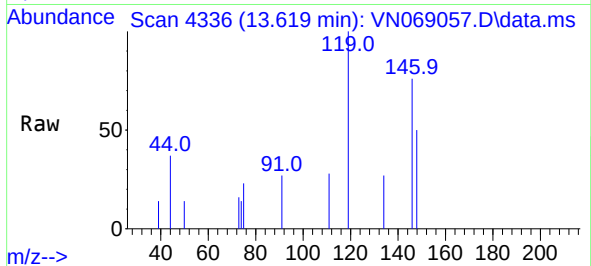




#88
1,4-Dichlorobenzene
Concen: 0.282 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. -0.078 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

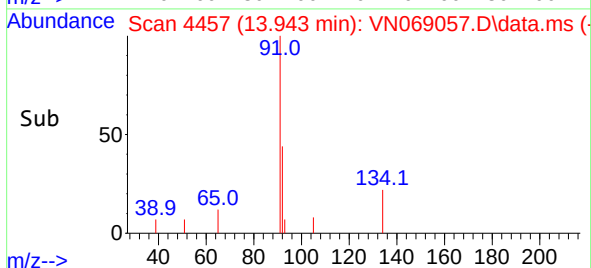
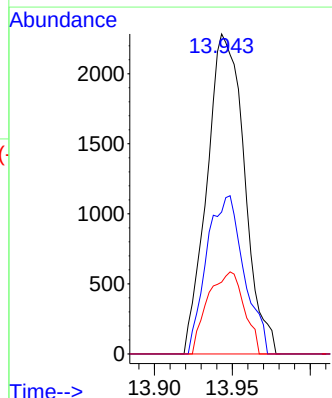
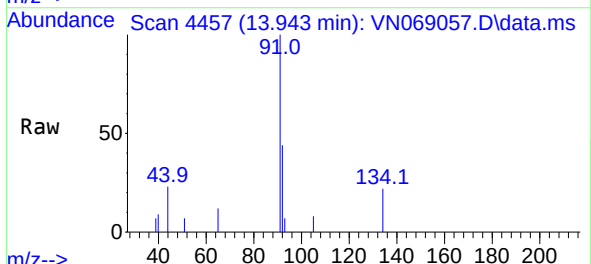
Instrument :
MSVOA_N
ClientSampled :

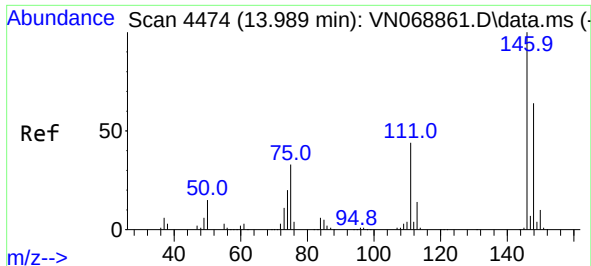
Tgt Ion:146 Resp: 1613
Ion Ratio Lower Upper
146 100
111 37.7 20.6 61.8
148 60.8 32.1 96.5



#89
n-Butylbenzene
Concen: 0.377 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 91 Resp: 3811
Ion Ratio Lower Upper
91 100
92 49.4 26.0 78.0
134 24.8 12.5 37.5

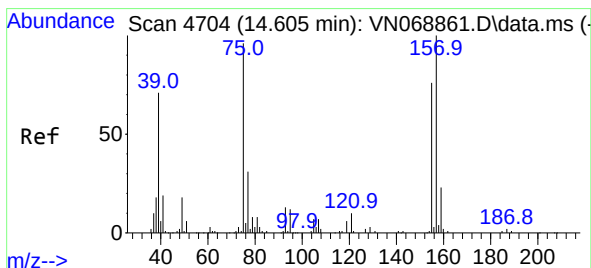
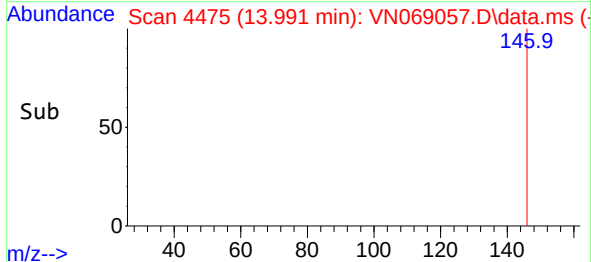
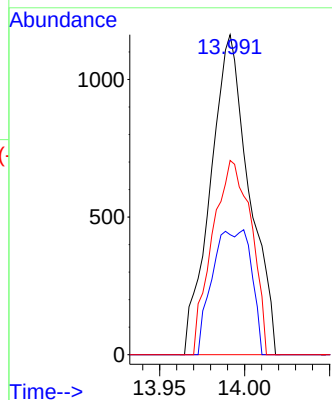
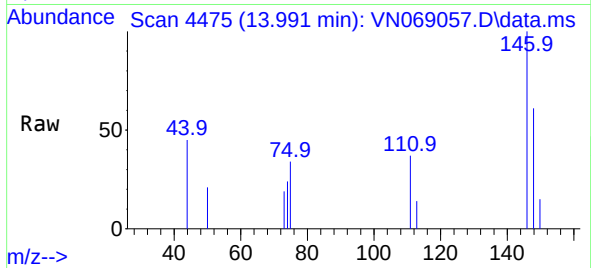




#91
1,2-Dichlorobenzene
Concen: 0.328 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

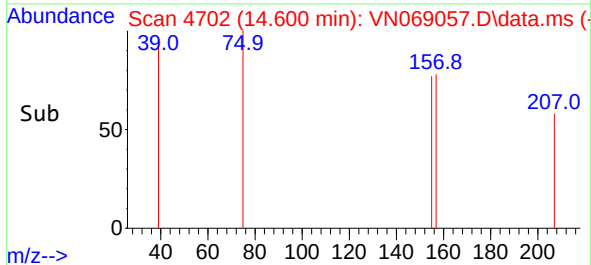
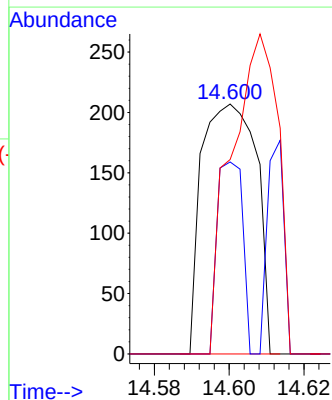
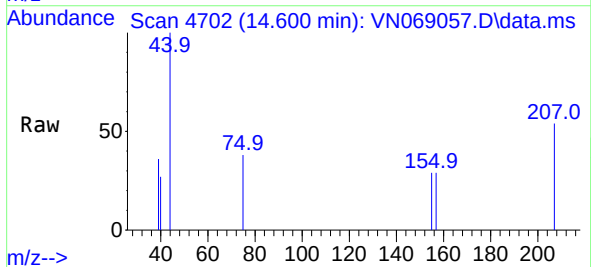
Instrument :
MSVOA_N
ClientSampled :

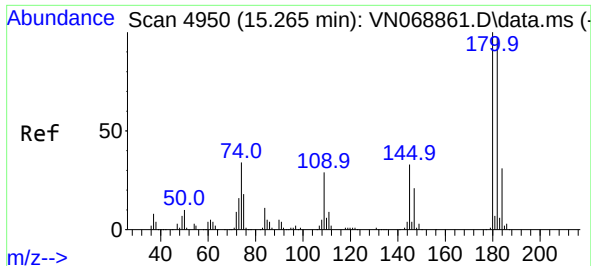
Tgt Ion:146 Resp: 1839
Ion Ratio Lower Upper
146 100
111 24.0 22.0 66.0
148 61.1 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.250 ug/l
RT: 14.600 min Scan# 4702
Delta R.T. -0.005 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion: 75 Resp: 210
Ion Ratio Lower Upper
75 100
155 35.7 38.8 116.4#
157 0.0 50.2 150.6#

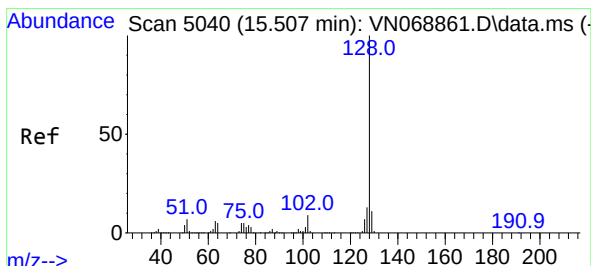
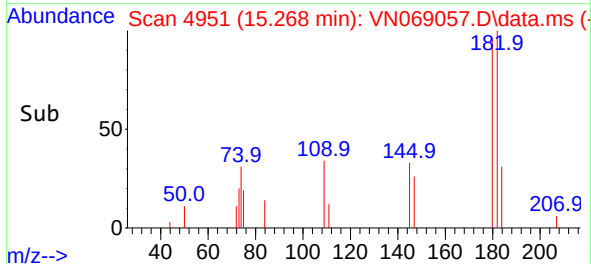
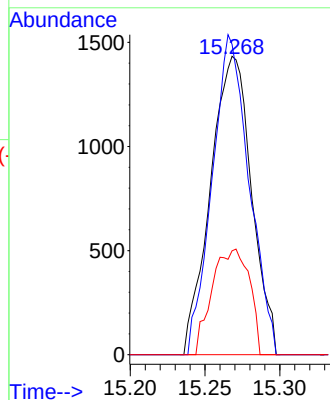
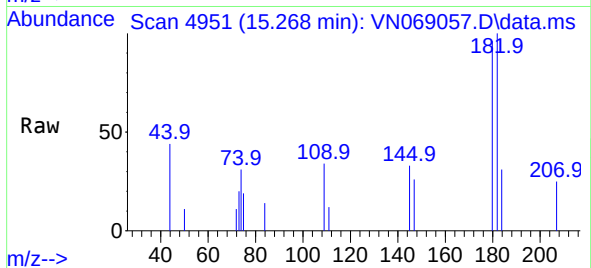




#93
1,2,4-Trichlorobenzene
Concen: 3.457 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

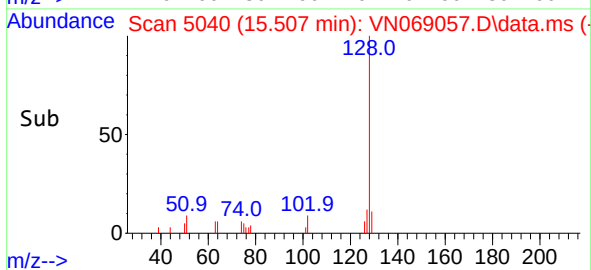
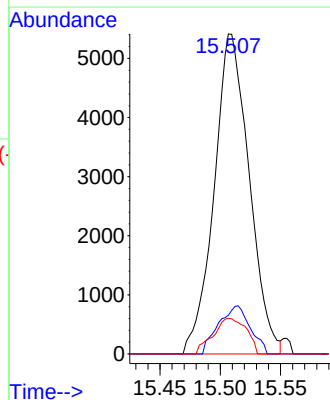
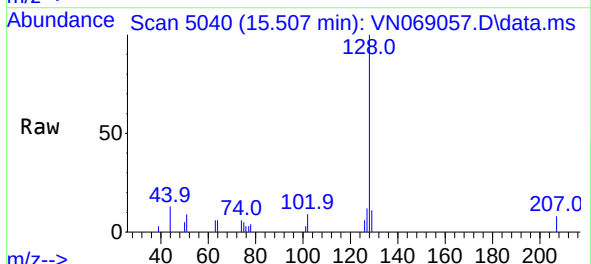
Instrument :
MSVOA_N
ClientSampled :

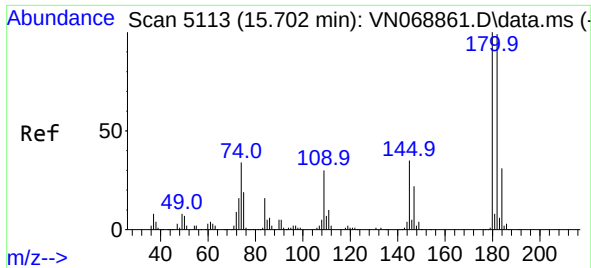
Tgt Ion:180 Resp: 2747
Ion Ratio Lower Upper
180 100
182 96.0 47.9 143.7
145 32.1 16.4 49.2



#95
Naphthalene
Concen: 5.015 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Tgt Ion:128 Resp: 10954
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 10.5 8.9 13.3





#96
1,2,3-Trichlorobenzene
Concen: 3.531 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069057.D
Acq: 20 Oct 2021 13:15

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:180 Resp: 3102
Ion Ratio Lower Upper
180 100
182 95.7 48.1 144.3
145 31.8 17.4 52.2

