

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
 Data File : VN067550.D
 Acq On : 29 Jun 2021 14:02
 Operator : JC/MD
 Sample : M2847-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

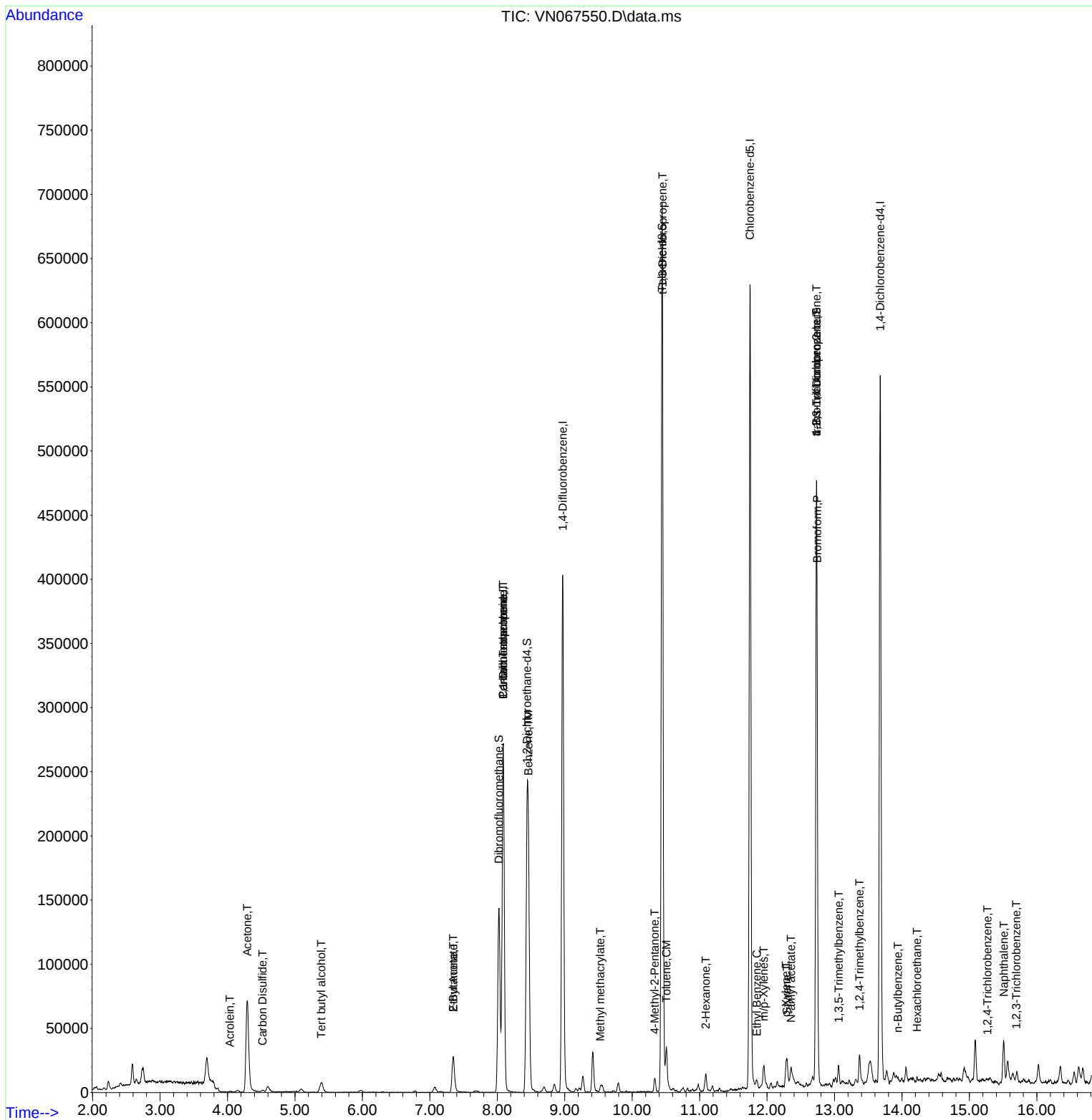
Quant Time: Jun 29 15:23:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 28 14:31:03 2021
 Response via : Initial Calibration

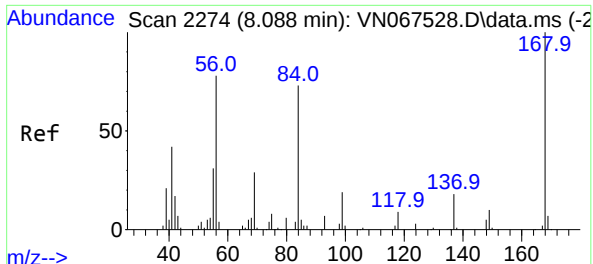
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	191886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	353531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	353106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	140330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	144904	55.178	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.360%			
35) Dibromofluoromethane	8.024	113	102808	46.904	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.800%			
50) Toluene-d8	10.443	98	489972	55.028	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.060%			
62) 4-Bromofluorobenzene	12.734	95	165716	53.282	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.560%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.390	59	8236	21.010	ug/l #	75
13) Acrolein	4.033	56	205	3.013	ug/l #	12
16) Acetone	4.293	43	135374	156.282	ug/l	92
17) Carbon Disulfide	4.519	76	2495	0.475	ug/l #	74
25) 2-Butanone	7.348	43	46957	35.152	ug/l	99
31) Cyclohexane	8.086	56	5120	Below Cal	#	29
36) 1,1-Dichloropropene	8.088	75	18152	5.687	ug/l #	48
37) Ethyl Acetate	7.348	43	46957	16.022	ug/l #	69
38) Carbon Tetrachloride	8.088	117	22468	6.572	ug/l #	16
40) Benzene	8.461	78	148275	15.343	ug/l	99
48) Methyl methacrylate	9.529	41	817	0.373	ug/l #	19
51) 4-Methyl-2-Pentanone	10.333	43	7751	2.566	ug/l	99
52) Toluene	10.507	92	12697	2.011	ug/l	98
53) t-1,3-Dichloropropene	10.451	75	53	2.268	ug/l #	60
59) 2-Hexanone	11.089	43	9651	4.526	ug/l	94
67) Ethyl Benzene	11.848	91	4414	0.337	ug/l	100
68) m/p-Xylenes	11.953	106	5345	1.062	ug/l	96
69) o-Xylene	12.280	106	3459	0.694	ug/l	83
70) Styrene	12.296	104	7684	2.718	ug/l	93
71) Bromoform	12.742	173	161	3.527	ug/l #	1
74) N-amyl acetate	12.355	43	9702	2.507	ug/l #	53
76) 1,2,3-Trichloropropane	12.734	75	93209	33.138	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.063	105	4341	0.449	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.734	75	93209	95.273	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.372	105	14180	1.489	ug/l	97
89) n-Butylbenzene	13.940	91	1985	0.259	ug/l #	39
90) Hexachloroethane	14.222	117	385	0.236	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.268	180	860	0.423	ug/l #	73
95) Naphthalene	15.509	128	30810	7.352	ug/l	99
96) 1,2,3-Trichlorobenzene	15.697	180	600	0.302	ug/l #	68

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

Quant Time: Jun 29 15:23:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 28 14:31:03 2021
Response via : Initial Calibration

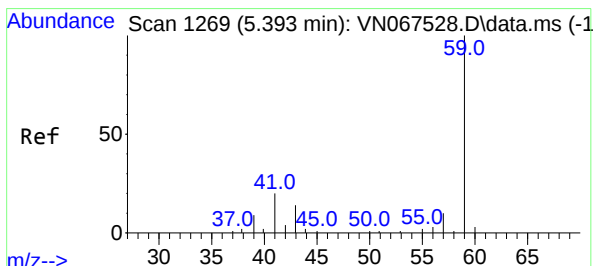
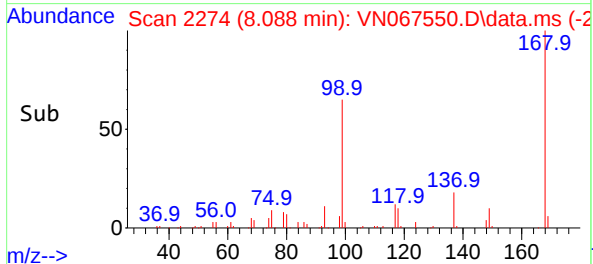
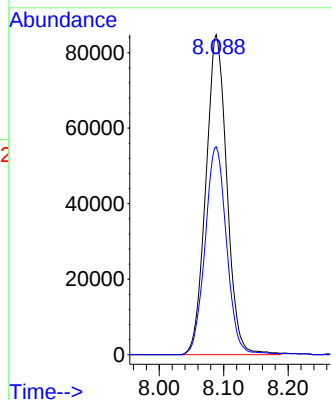
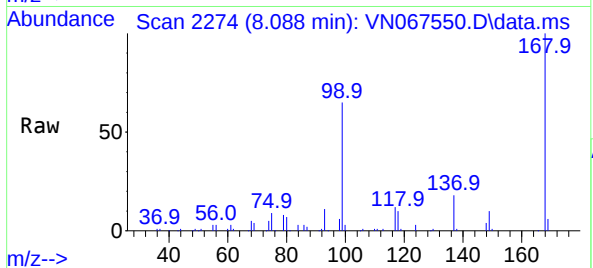




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

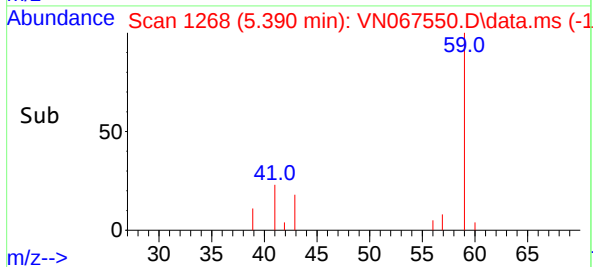
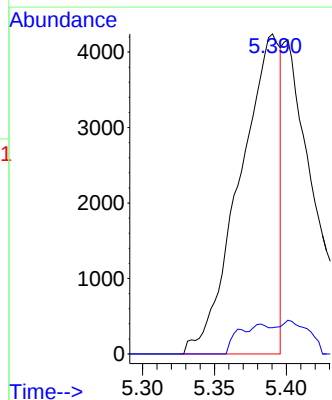
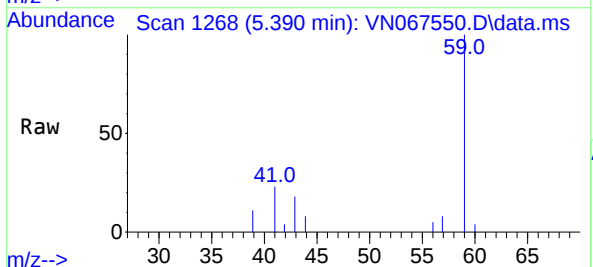
Instrument :
MSVOA_N
ClientSampled :

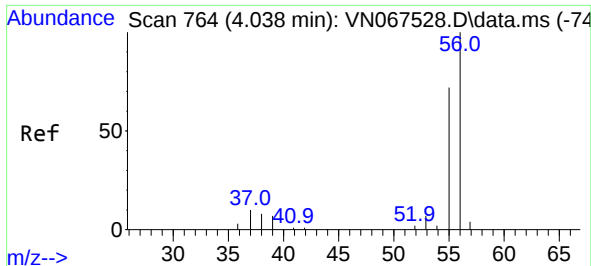
Tgt Ion:168 Resp: 191886
Ion Ratio Lower Upper
168 100
99 65.0 62.9 94.3



#11
Tert butyl alcohol
Concen: 21.010 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. -0.003 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 59 Resp: 8236
Ion Ratio Lower Upper
59 100
57 1.5 8.7 13.1#

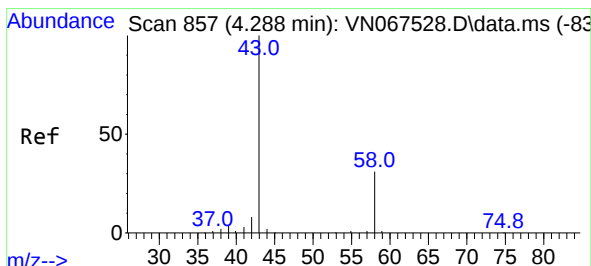
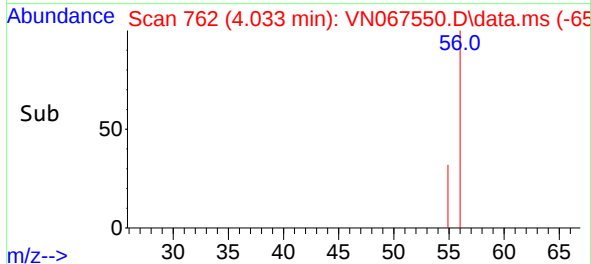
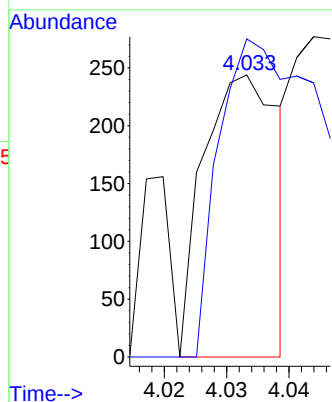
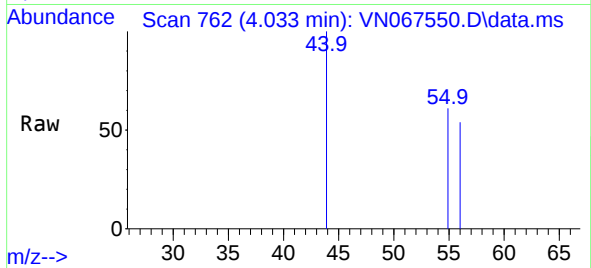




#13
Acrolein
Concen: 3.013 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

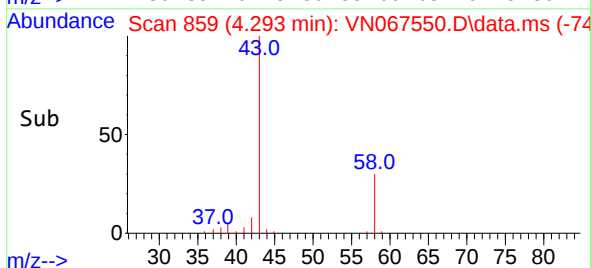
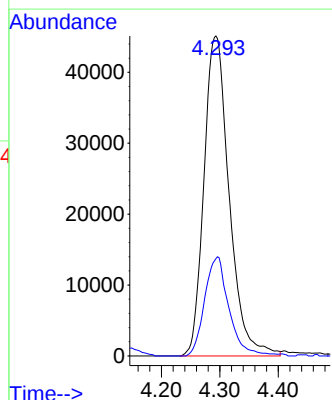
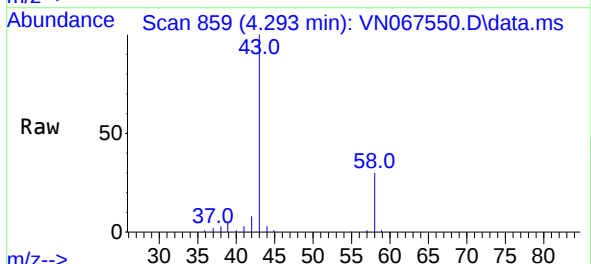
Instrument :
MSVOA_N
ClientSampled :

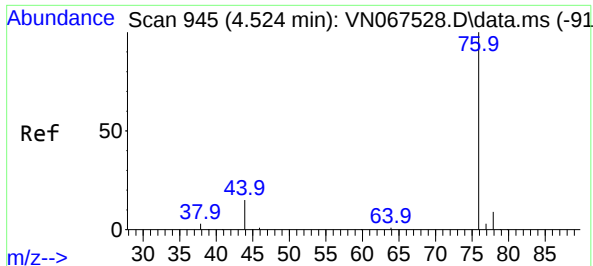
Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 144.9 57.4 86.0#



#16
Acetone
Concen: 156.282 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 43 Resp: 135374
Ion Ratio Lower Upper
43 100
58 30.4 21.2 31.8

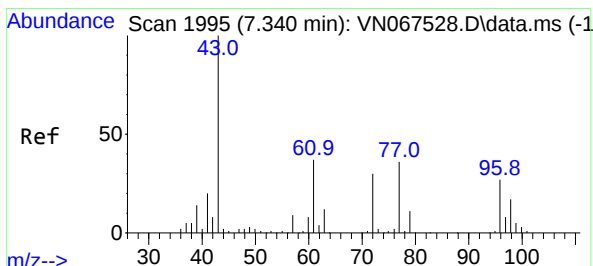
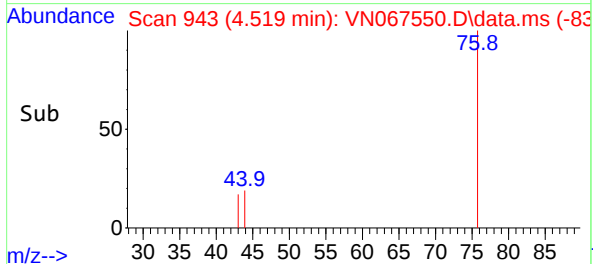
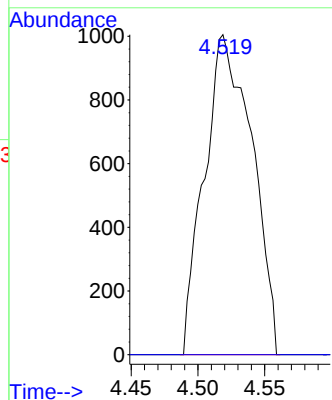
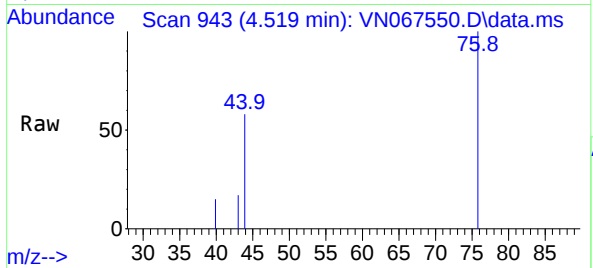




#17
Carbon Disulfide
Concen: 0.475 ug/l
RT: 4.519 min Scan# 943
Delta R.T. -0.005 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

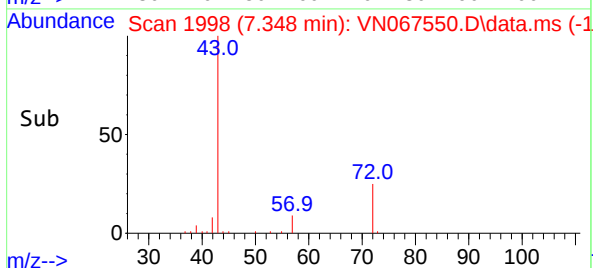
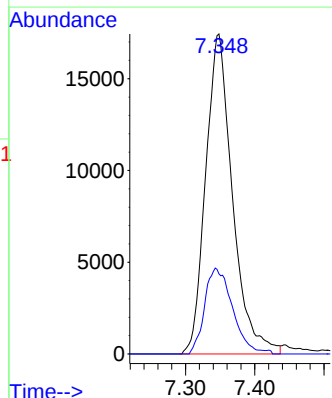
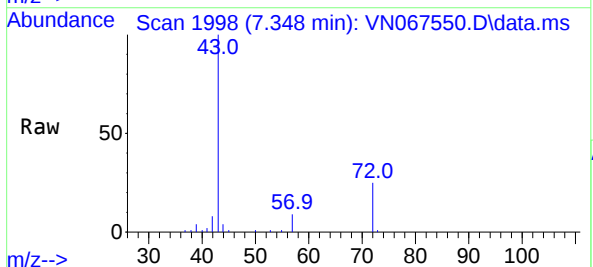
Instrument :
MSVOA_N
ClientSampled :

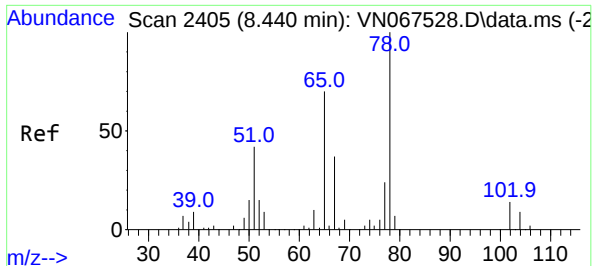
Tgt Ion: 76 Resp: 2495
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#25
2-Butanone
Concen: 35.152 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 43 Resp: 46957
Ion Ratio Lower Upper
43 100
72 25.0 19.7 29.5

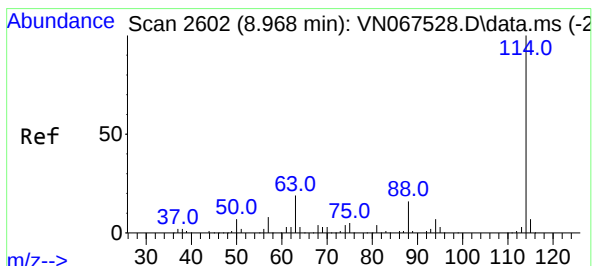
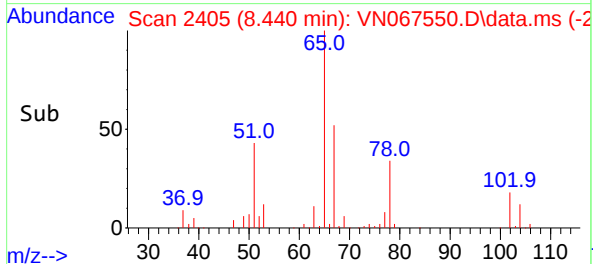
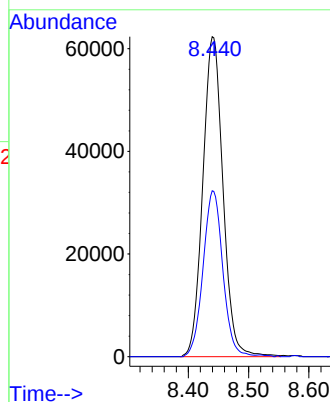
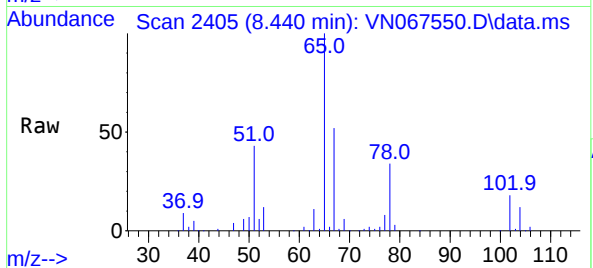




#33
1,2-Dichloroethane-d4
Concen: 55.178 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

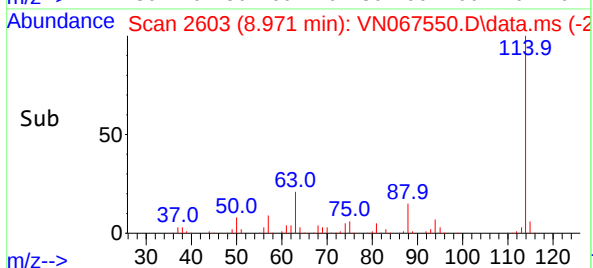
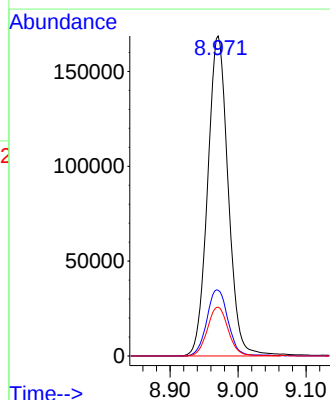
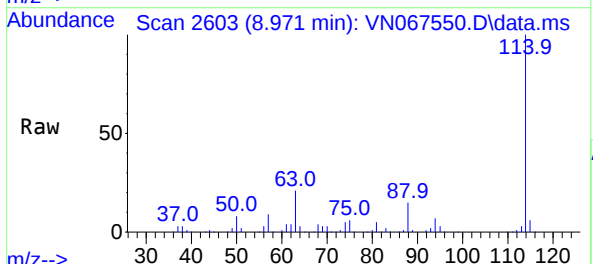
Instrument :
MSVOA_N
ClientSampleId :

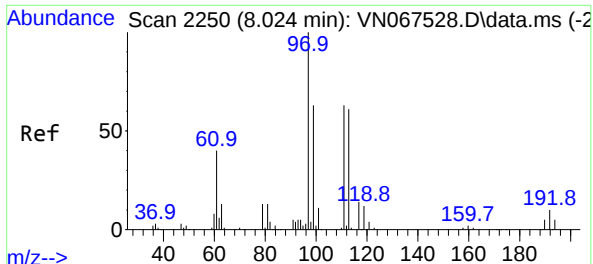
Tgt Ion: 65 Resp: 144904
Ion Ratio Lower Upper
65 100
67 50.7 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 114 Resp: 353531
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 15.3 0.0 36.6

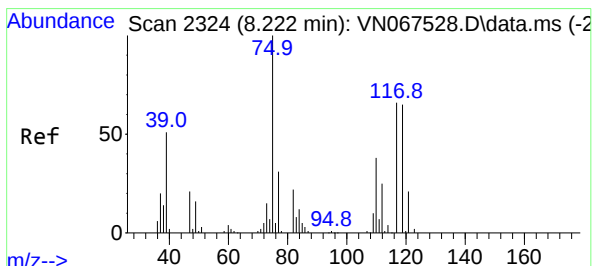
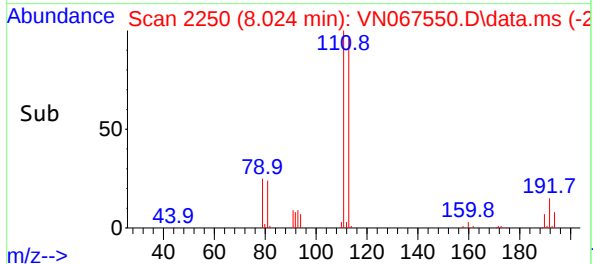
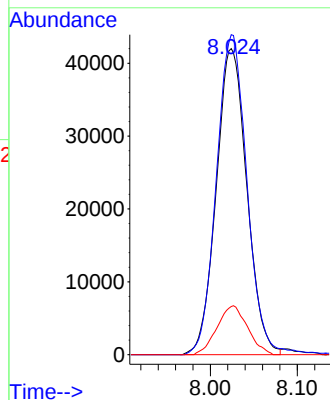
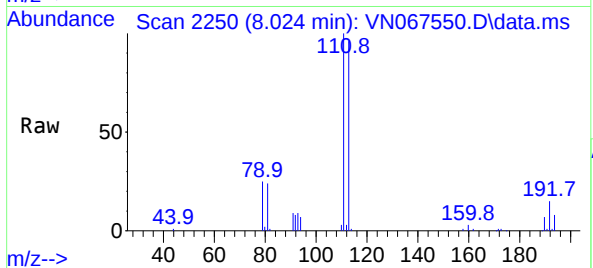




#35
Dibromofluoromethane
Concen: 46.904 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

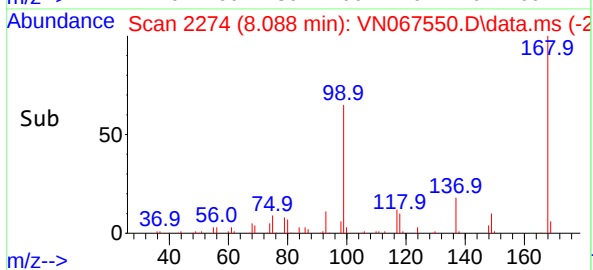
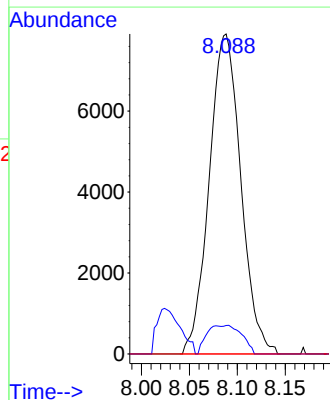
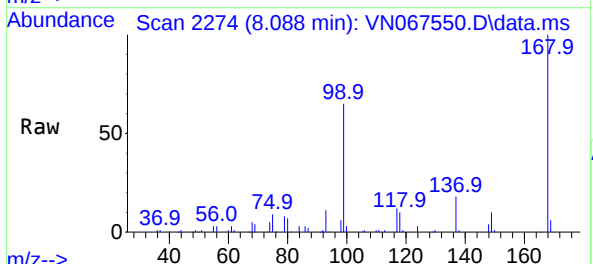
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MSVOA_N
ClientSampled :

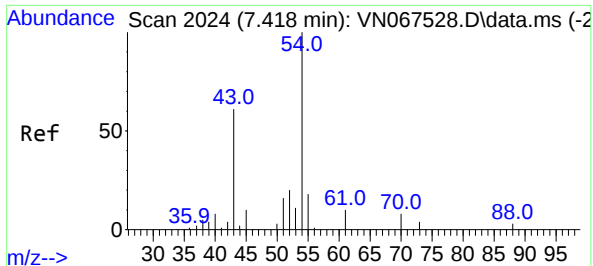
Tgt Ion:113 Resp: 102808
Ion Ratio Lower Upper
113 100
111 104.7 83.8 125.8
192 15.9 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.687 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 75 Resp: 18152
Ion Ratio Lower Upper
75 100
110 4.4 15.7 47.0#
77 0.0 24.6 37.0#

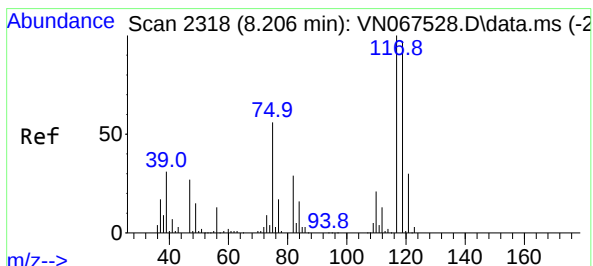
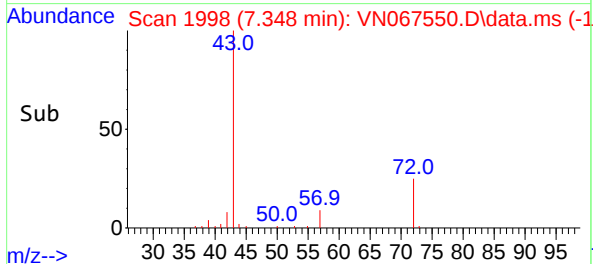
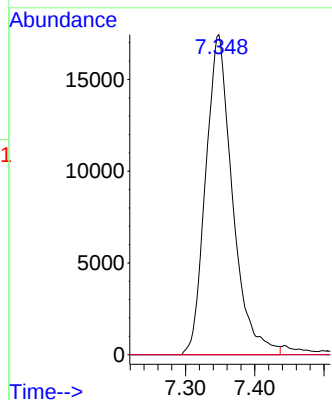
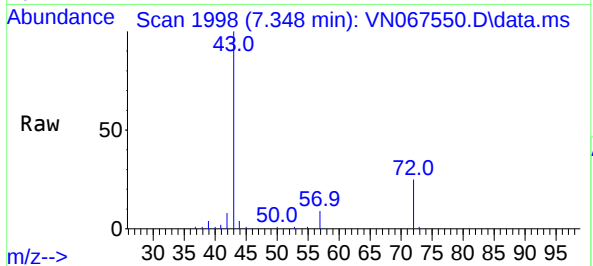




#37
Ethyl Acetate
Concen: 16.022 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.070 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

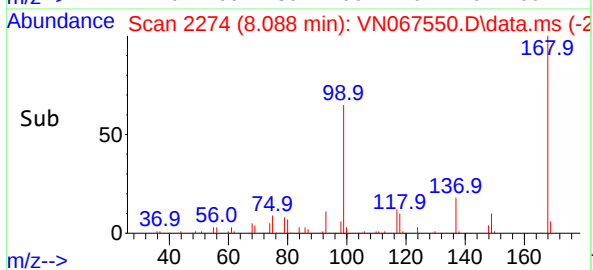
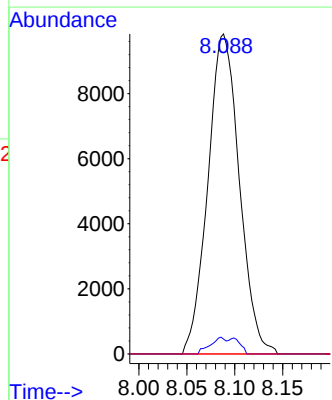
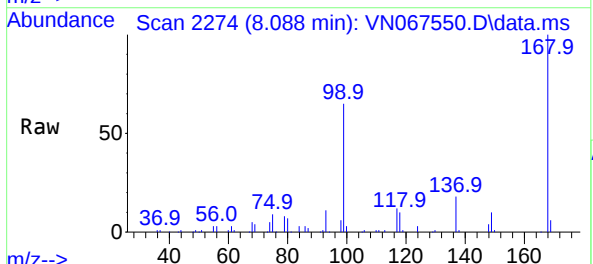
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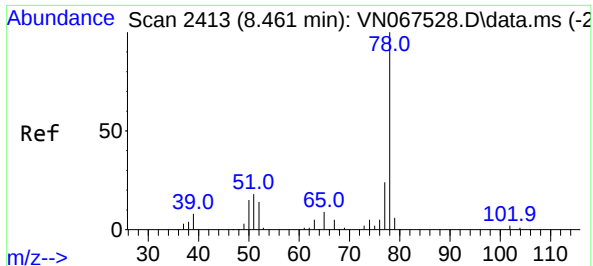
Tgt Ion:	43	Resp:	46957
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 6.572 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion:	117	Resp:	22468
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.4	113.2#
121	0.0	23.5	35.3#

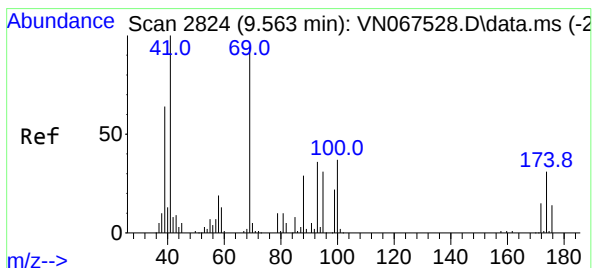
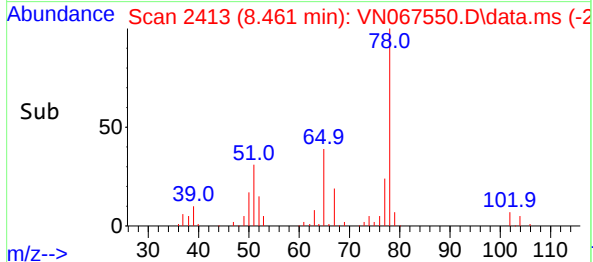
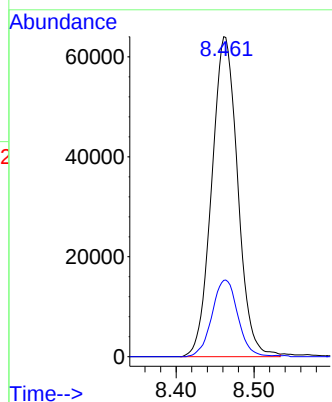
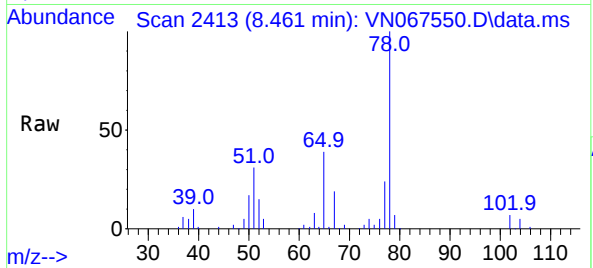




#40
Benzene
Concen: 15.343 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

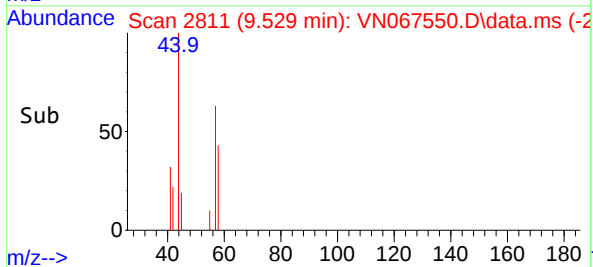
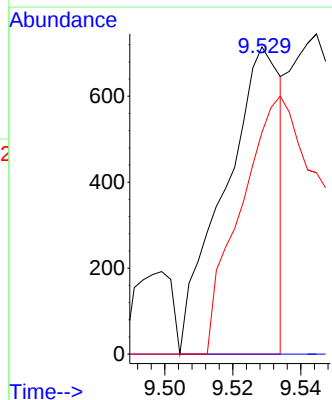
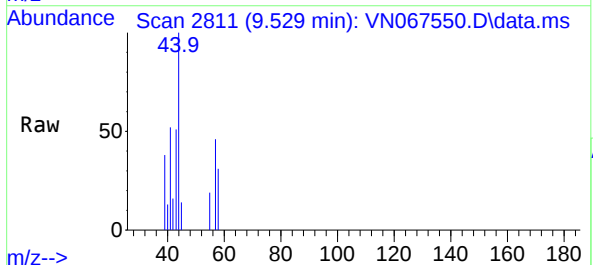
Instrument :
MSVOA_N
ClientSampled :

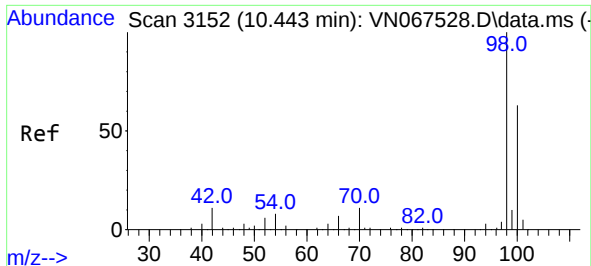
Tgt Ion: 78 Resp: 148275
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3



#48
Methyl methacrylate
Concen: 0.373 ug/l
RT: 9.529 min Scan# 2811
Delta R.T. -0.034 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 41 Resp: 817
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 121.1 53.3 79.9#

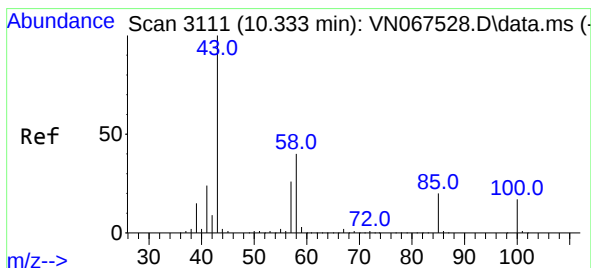
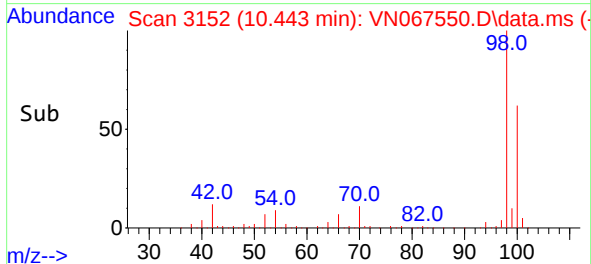
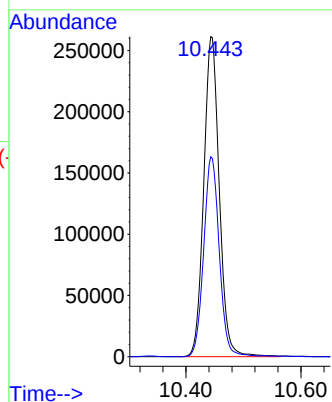
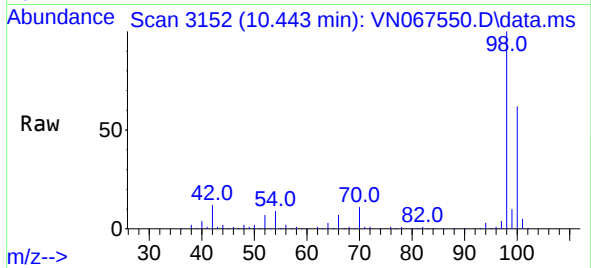




#50
Toluene-d8
Concen: 55.028 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

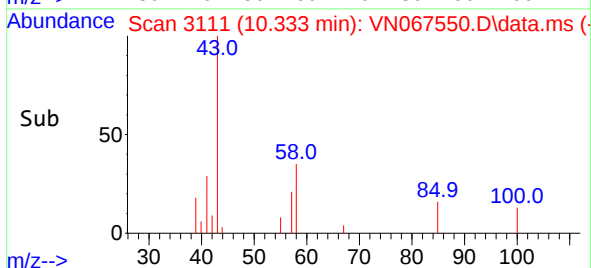
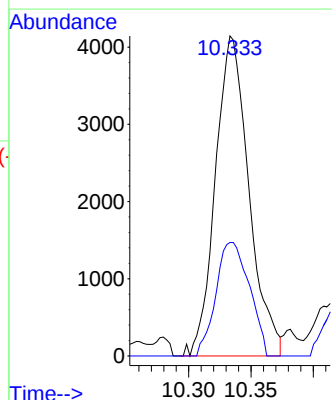
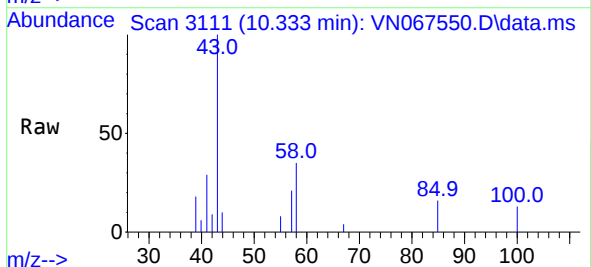
Instrument :
MSVOA_N
ClientSampled :

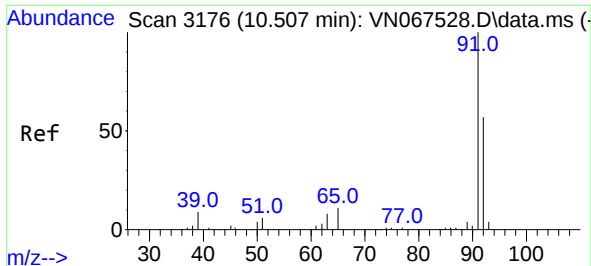
Tgt Ion: 98 Resp: 489972
Ion Ratio Lower Upper
98 100
100 62.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.566 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 43 Resp: 7751
Ion Ratio Lower Upper
43 100
58 35.5 28.6 43.0

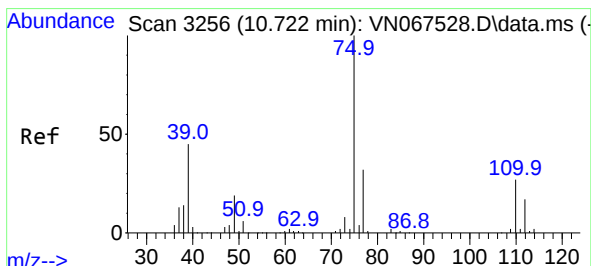
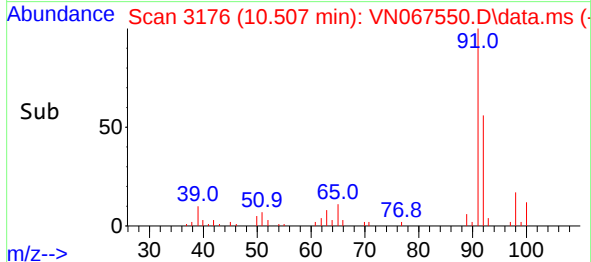
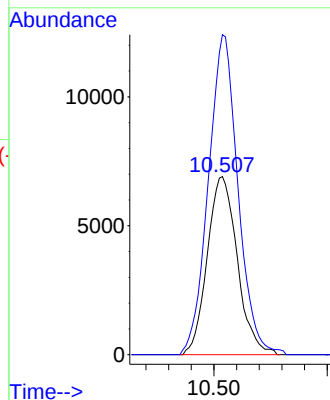
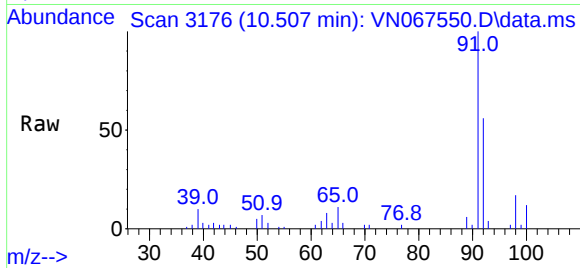




#52
Toluene
Concen: 2.011 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

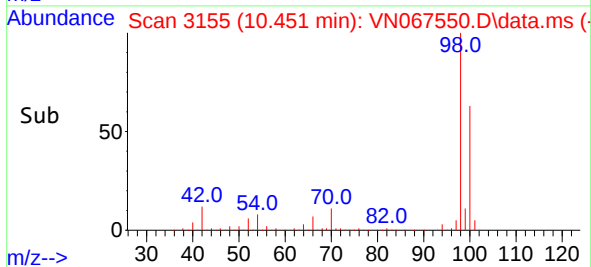
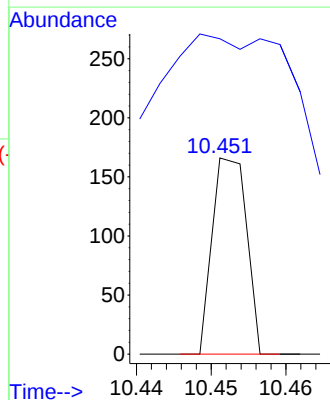
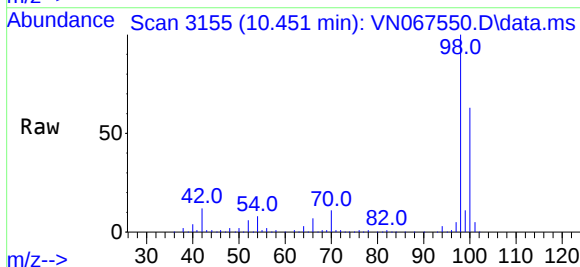
Instrument :
MSVOA_N
ClientSampled :

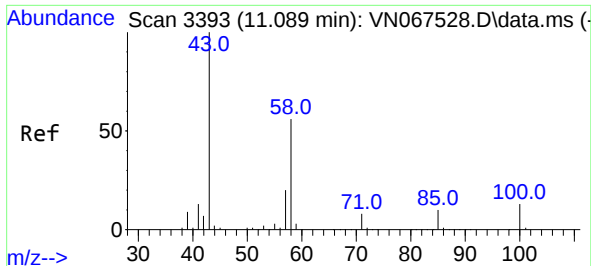
Tgt Ion: 92 Resp: 12697
Ion Ratio Lower Upper
92 100
91 177.6 139.6 209.4



#53
t-1,3-Dichloropropene
Concen: 2.268 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.271 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 9.0 25.1 37.7#

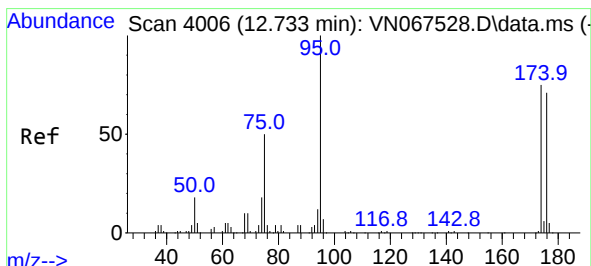
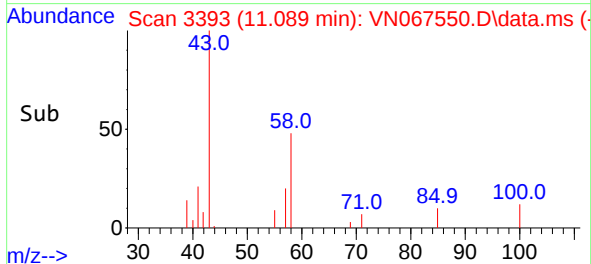
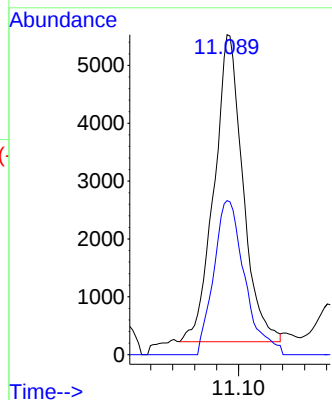
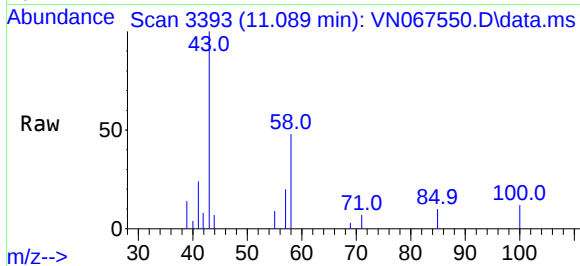




#59
2-Hexanone
Concen: 4.526 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

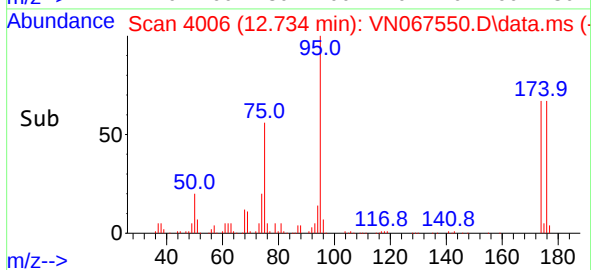
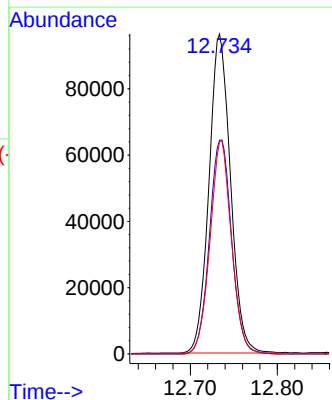
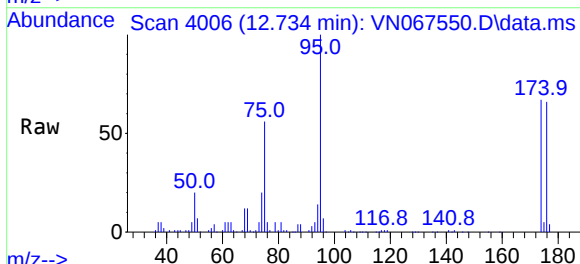
Instrument :
MSVOA_N
ClientSampled :

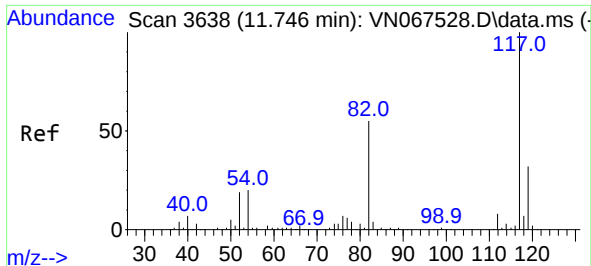
Tgt Ion: 43 Resp: 9651
Ion Ratio Lower Upper
43 100
58 53.7 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 53.282 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 95 Resp: 165716
Ion Ratio Lower Upper
95 100
174 69.0 0.0 122.0
176 66.4 0.0 117.6

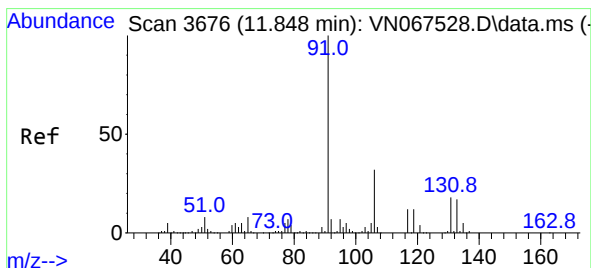
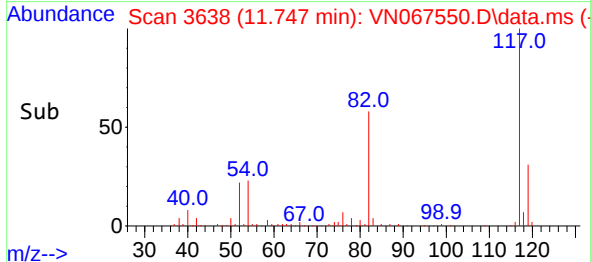
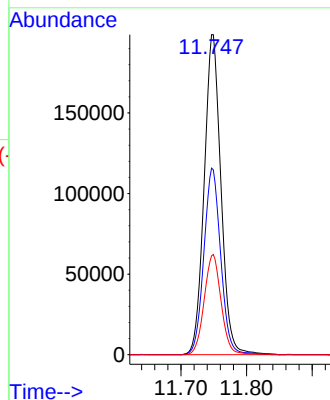
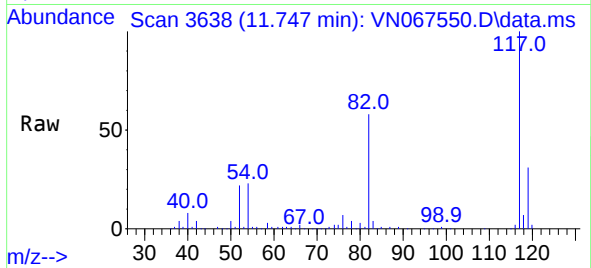




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

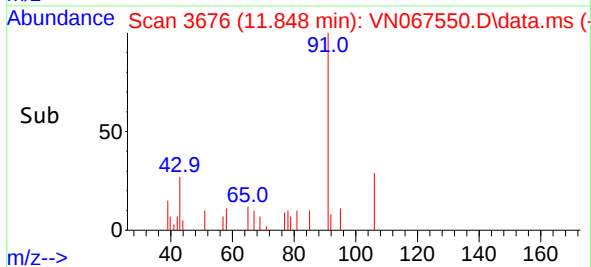
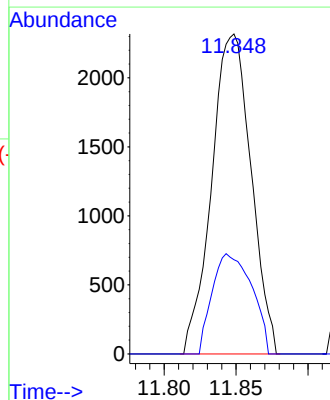
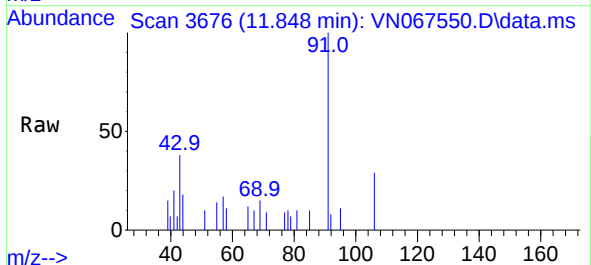
Instrument :
MSVOA_N
ClientSampleId :

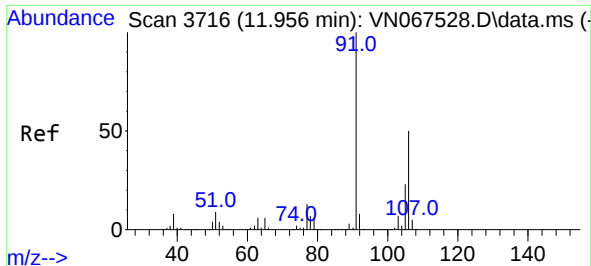
Tgt Ion:117 Resp: 353106
Ion Ratio Lower Upper
117 100
82 58.3 53.1 79.7
119 30.9 25.5 38.3



#67
Ethyl Benzene
Concen: 0.337 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 91 Resp: 4414
Ion Ratio Lower Upper
91 100
106 29.4 23.4 35.0

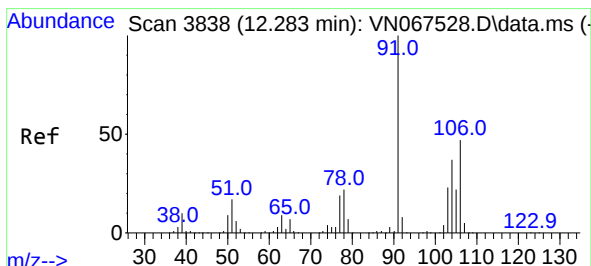
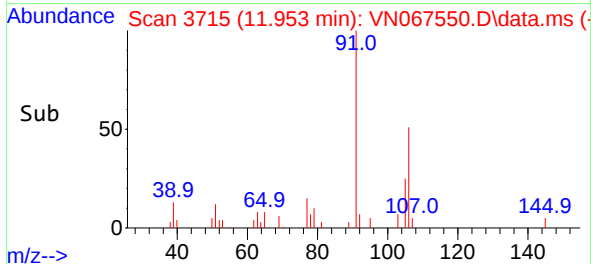
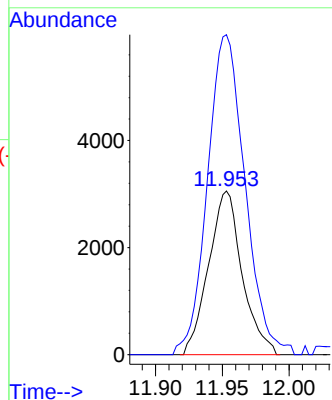
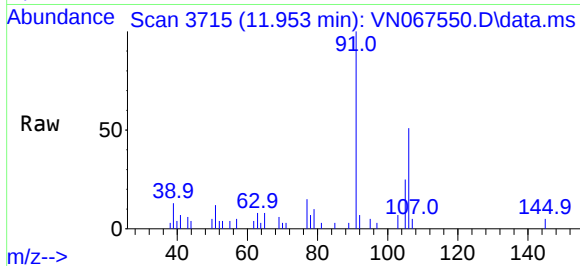




#68
m/p-Xylenes
Concen: 1.062 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

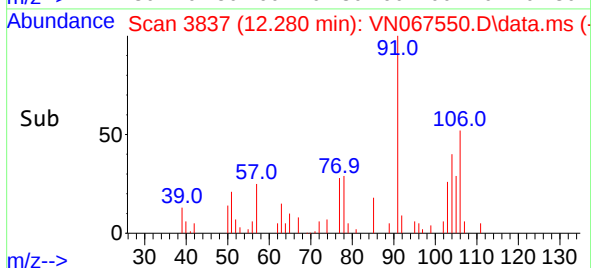
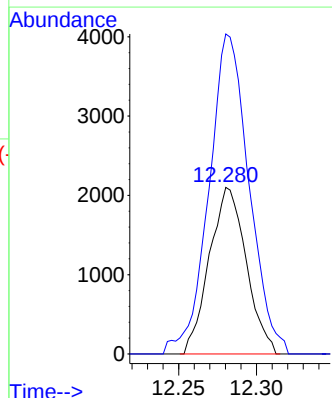
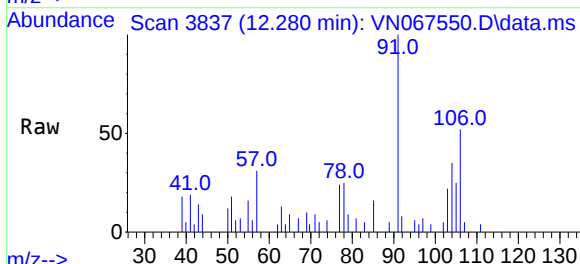
Instrument :
MSVOA_N
ClientSampleId :

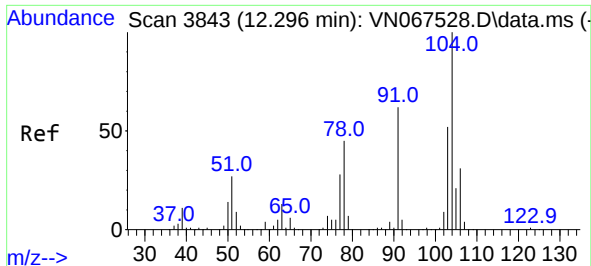
Tgt Ion:106 Resp: 5345
Ion Ratio Lower Upper
106 100
91 218.7 180.6 270.8



#69
o-Xylene
Concen: 0.694 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion:106 Resp: 3459
Ion Ratio Lower Upper
106 100
91 208.7 118.3 354.9

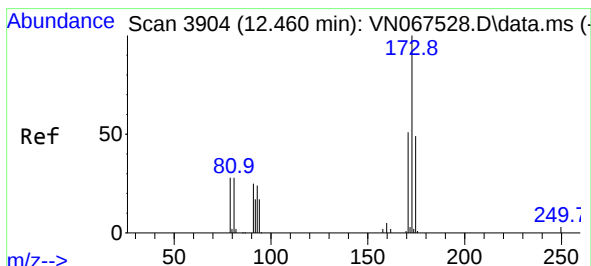
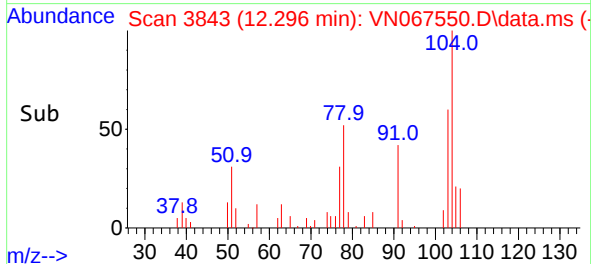
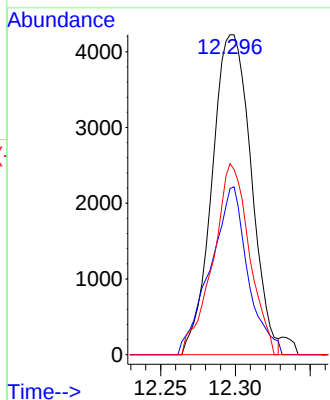
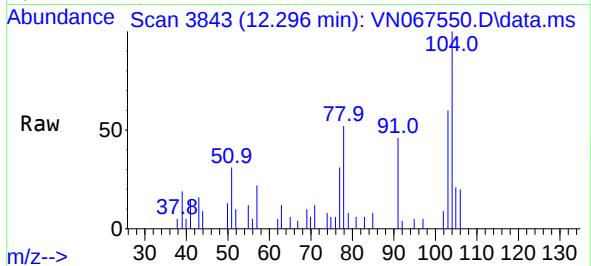




#70
Styrene
Concen: 2.718 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

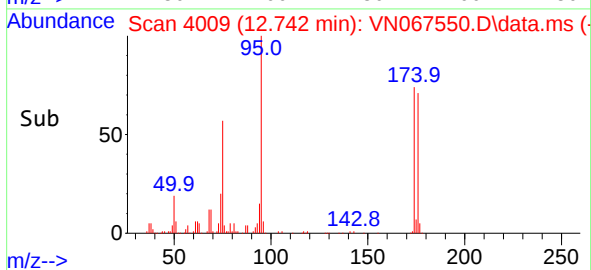
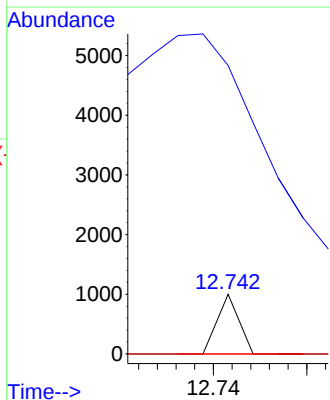
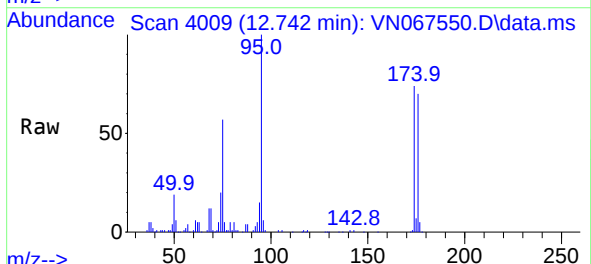
Instrument :
MSVOA_N
ClientSampleId :

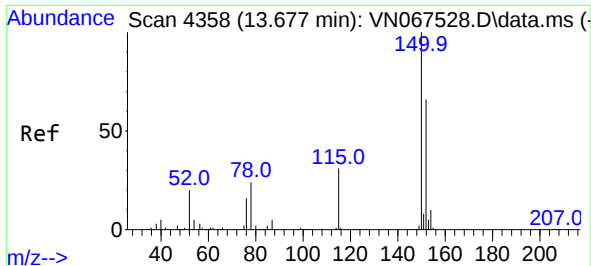
Tgt Ion:	104	Resp:	7684
Ion	Ratio	Lower	Upper
104	100		
78	50.2	48.2	72.2
103	55.3	44.5	66.7



#71
Bromoform
Concen: 3.527 ug/l
RT: 12.742 min Scan# 4009
Delta R.T. 0.282 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion:	173	Resp:	161
Ion	Ratio	Lower	Upper
173	100		
175	5280.7	23.9	71.8#
254	0.0	0.0	0.0

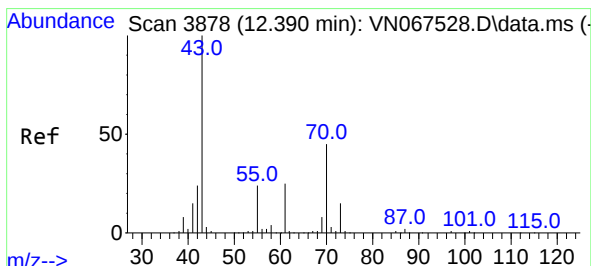
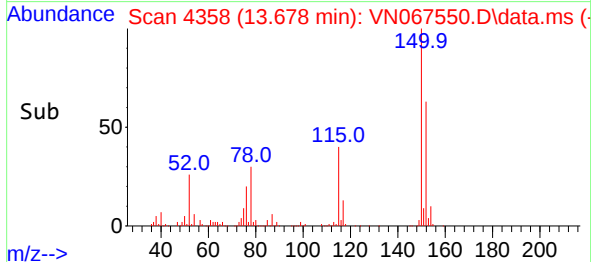
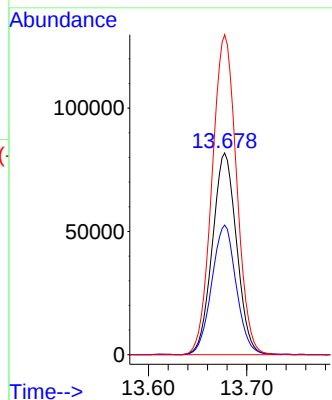
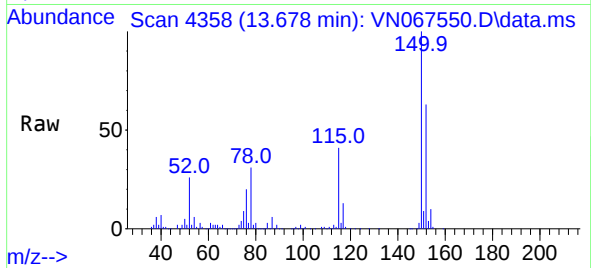




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

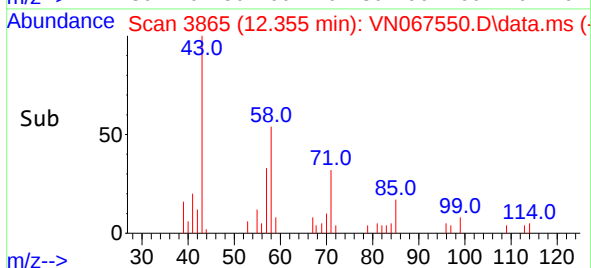
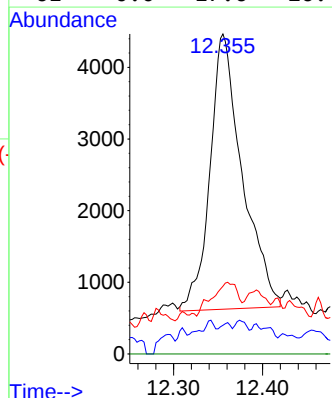
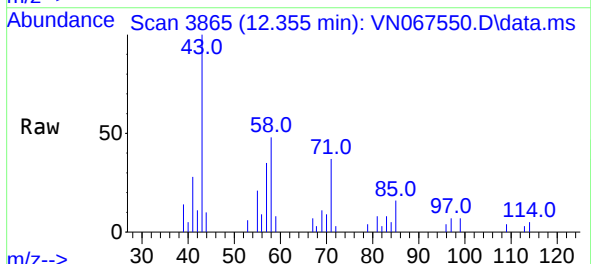
Instrument :
MSVOA_N
ClientSampled :

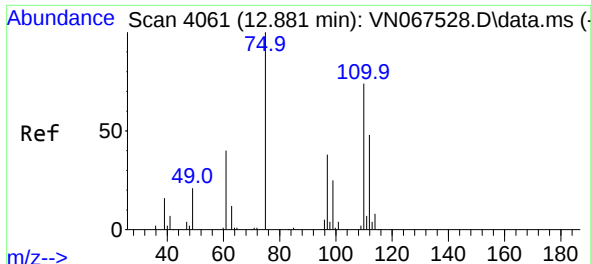
Tgt Ion:152 Resp: 140330
Ion Ratio Lower Upper
152 100
115 65.2 36.1 108.5
150 160.7 0.0 351.8



#74
N-ethyl acetate
Concen: 2.507 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 43 Resp: 9702
Ion Ratio Lower Upper
43 100
70 0.9 29.4 44.2#
55 9.7 17.0 25.4#
61 0.0 17.6 26.4#

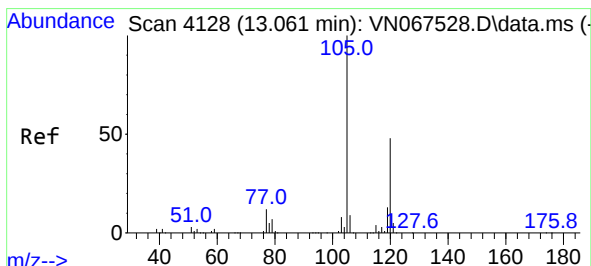
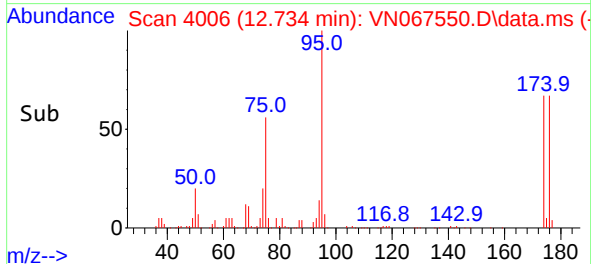
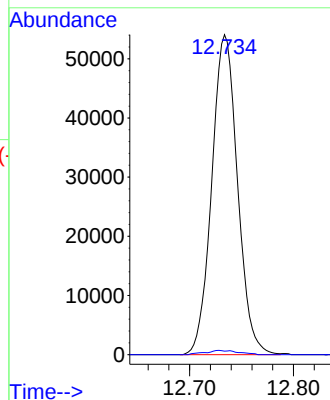
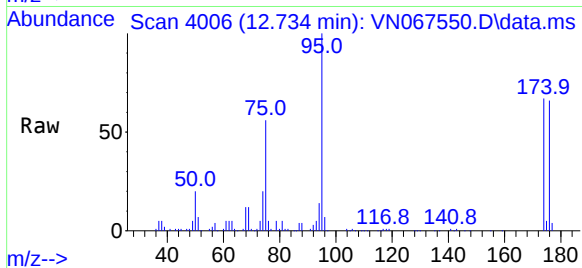




#76
1,2,3-Trichloropropane
Concen: 33.138 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

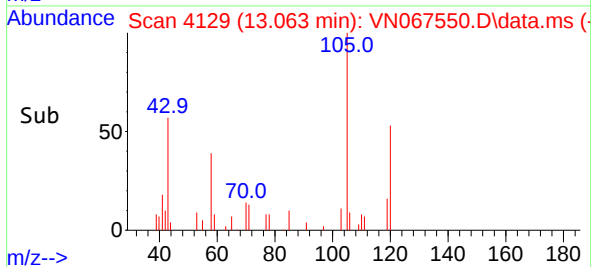
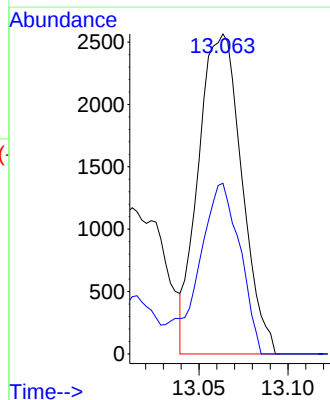
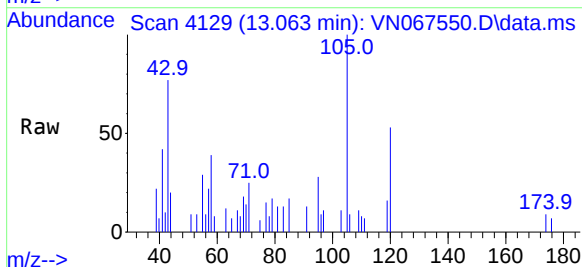
Instrument :
MSVOA_N
ClientSampled :

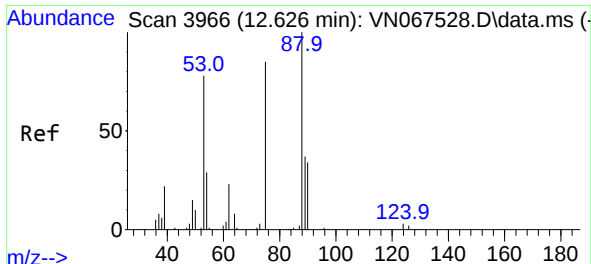
Tgt Ion: 75 Resp: 93209
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.449 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 105 Resp: 4341
Ion Ratio Lower Upper
105 100
120 47.9 22.2 66.6

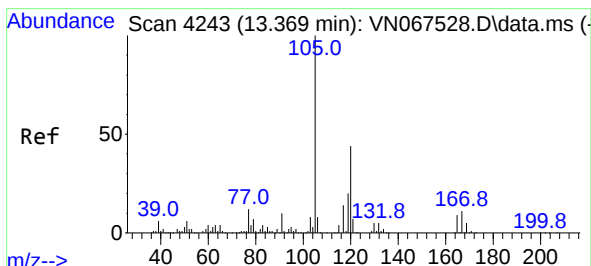
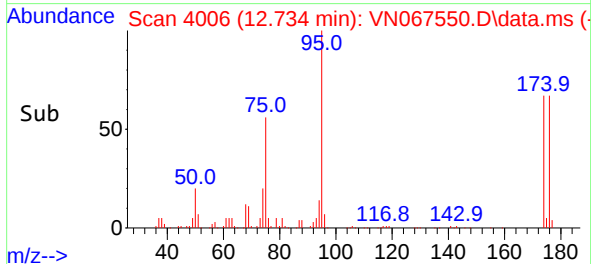
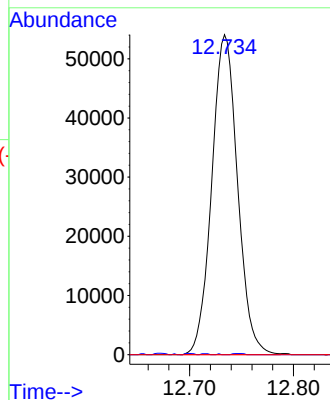
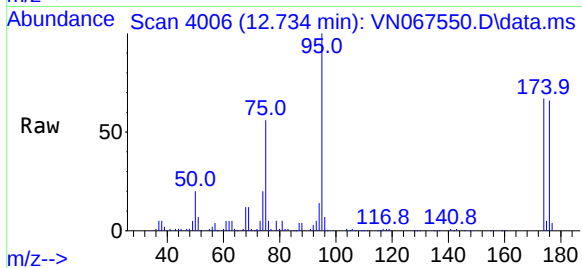




#81
trans-1,4-Dichloro-2-butene
Concen: 95.273 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

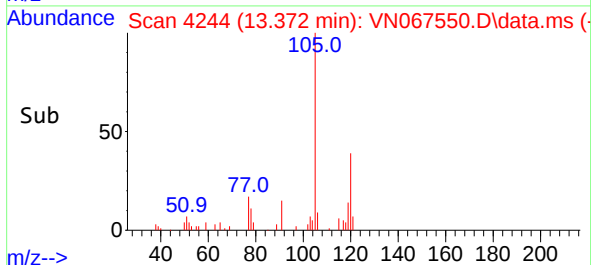
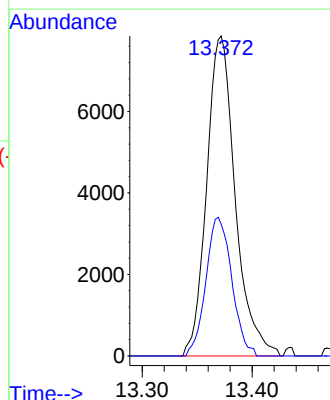
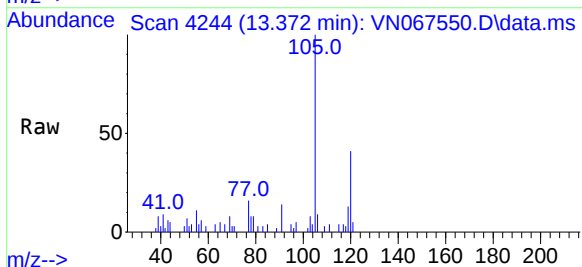
Instrument :
MSVOA_N
ClientSampleId :

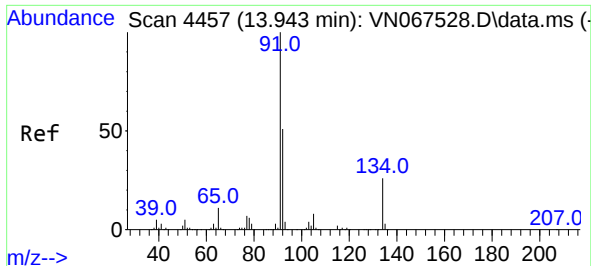
Tgt Ion: 75 Resp: 93209
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.489 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

Tgt Ion: 105 Resp: 14180
Ion Ratio Lower Upper
105 100
120 39.2 20.6 61.8

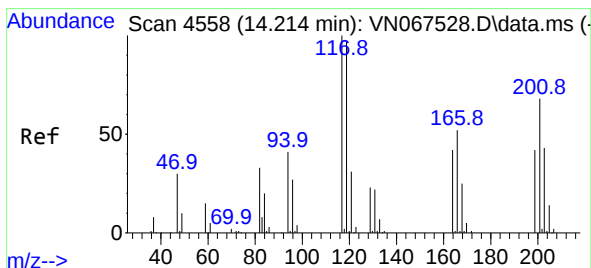
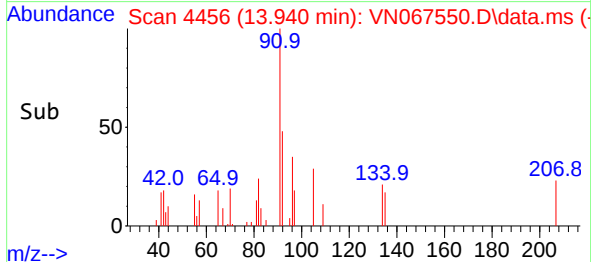
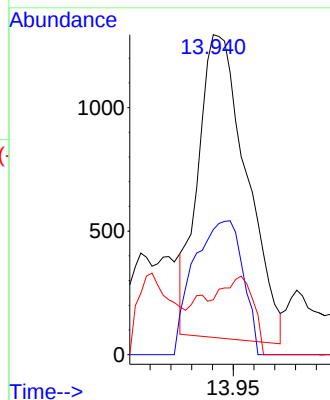
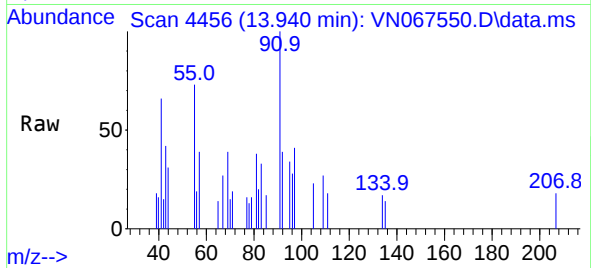




#89
n-Butylbenzene
Concen: 0.259 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

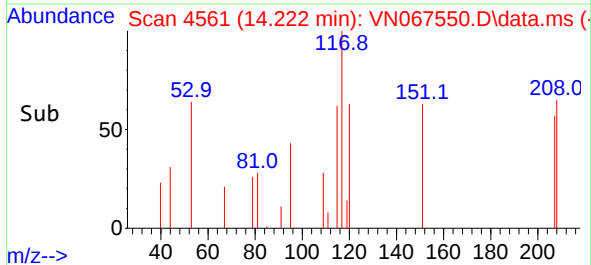
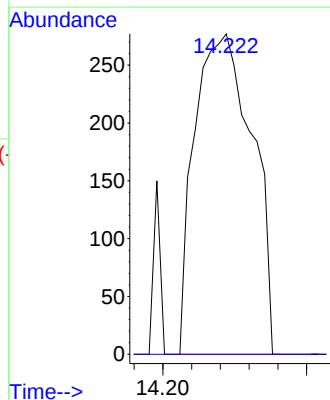
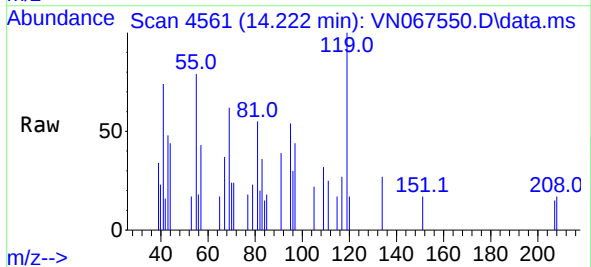
Instrument :
MSVOA_N
ClientSampleId :

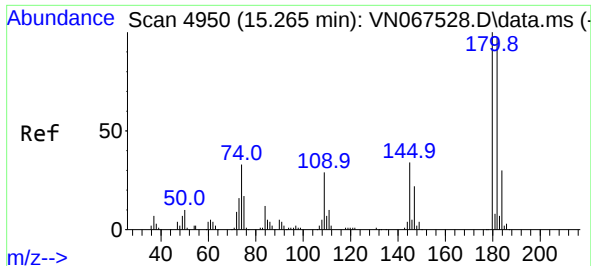
Tgt Ion: 91 Resp: 1985
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.1#
134 7.3 11.2 33.6#



#90
Hexachloroethane
Concen: 0.236 ug/l
RT: 14.222 min Scan# 4561
Delta R.T. 0.008 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

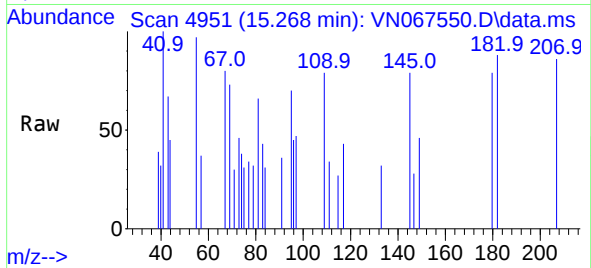
Tgt Ion: 117 Resp: 385
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



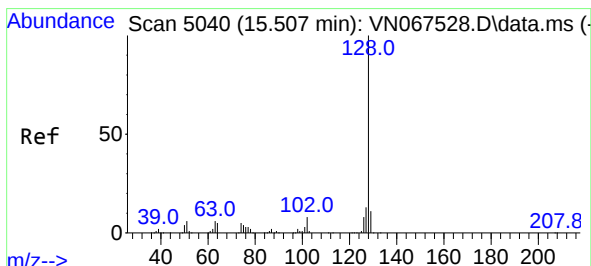
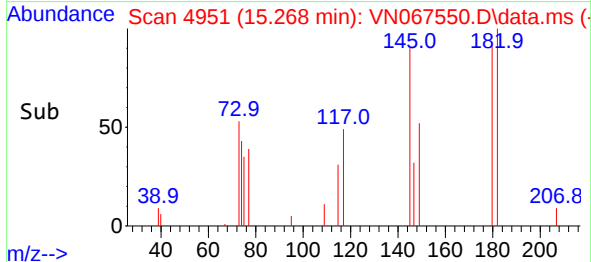
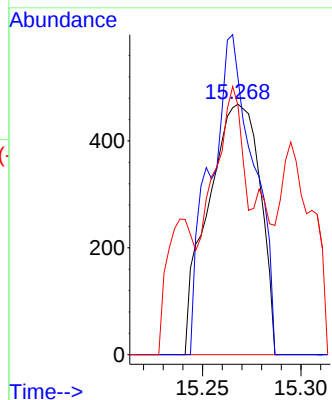


#93
1,2,4-Trichlorobenzene
Concen: 0.423 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02

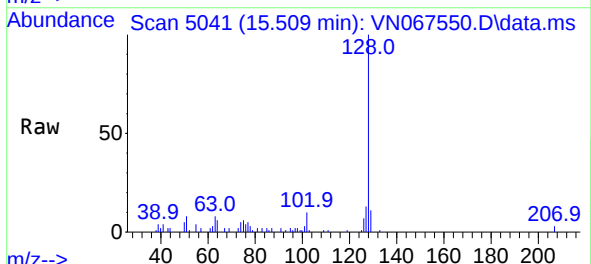
Instrument :
MSVOA_N
ClientSampled :



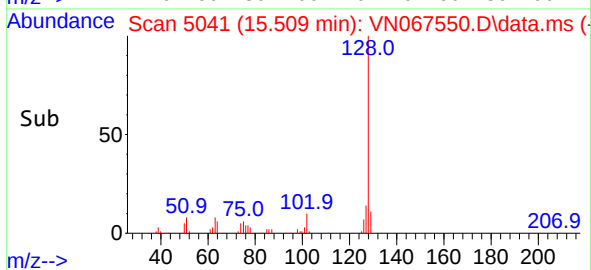
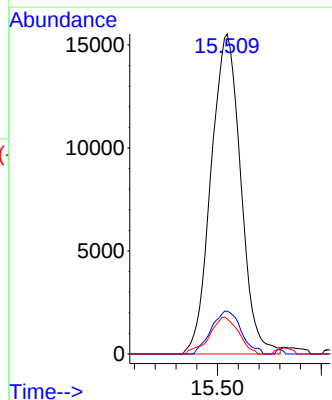
Tgt Ion:180 Resp: 860
Ion Ratio Lower Upper
180 100
182 107.4 47.5 142.5
145 73.3 17.2 51.6#

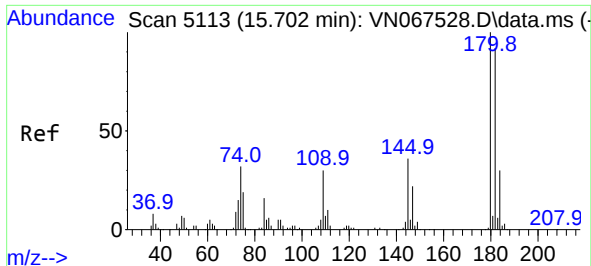


#95
Naphthalene
Concen: 7.352 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067550.D
Acq: 29 Jun 2021 14:02



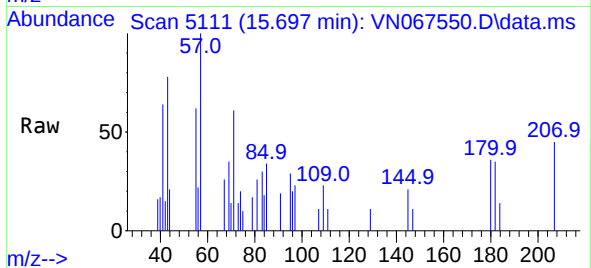
Tgt Ion:128 Resp: 30810
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.1 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.302 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.005 min
 Lab File: VN067550.D
 Acq: 29 Jun 2021 14:02

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:180 Resp: 600
 Ion Ratio Lower Upper
 180 100
 182 80.5 47.8 143.3
 145 82.0 18.2 54.6#

