

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067912.D
 Acq On : 26 Jul 2021 17:16
 Operator : JC/MD
 Sample : M3147-21
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 27 01:31:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

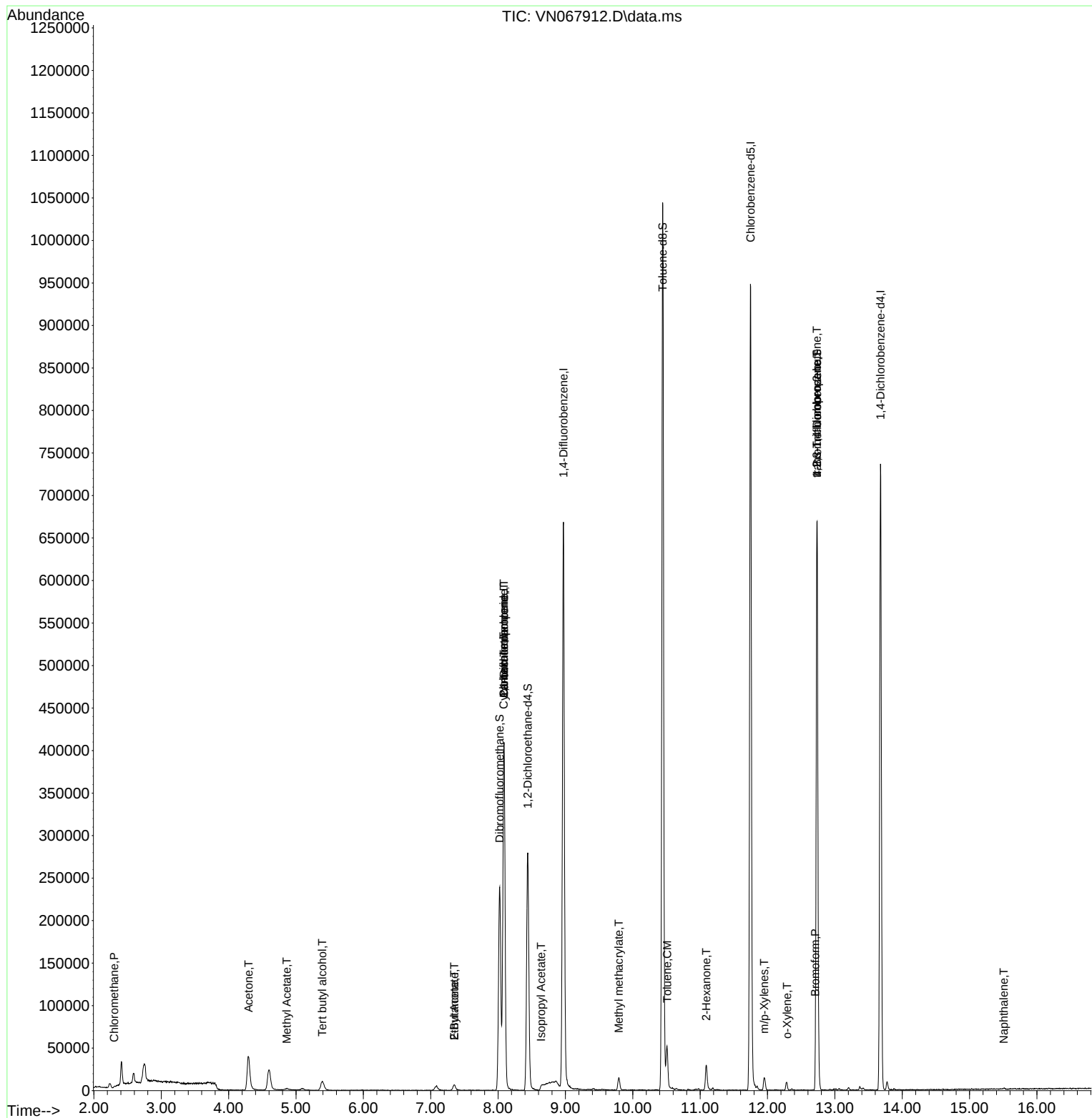
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	291531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	576919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	550519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	189849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	240156	54.507	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 109.020%		
35) Dibromofluoromethane	8.024	113	176124	50.529	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.060%		
50) Toluene-d8	10.443	98	725793	49.746	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 99.500%		
62) 4-Bromofluorobenzene	12.736	95	239875	46.542	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 93.080%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	1192	0.304	ug/l #	85
5) Bromomethane	2.816	94	26	Below Cal	#	4
6) Chloroethane	3.084	64	26	Below Cal	#	44
11) Tert butyl alcohol	5.390	59	19191	30.311	ug/l #	90
13) Acrolein	4.039	56	81	Below Cal		92
16) Acetone	4.296	43	75461	54.431	ug/l	97
18) Methyl Acetate	4.865	43	3338	0.857	ug/l #	62
20) Methylene Chloride	5.098	84	807	Below Cal	#	46
25) 2-Butanone	7.351	43	11070	4.809	ug/l	98
31) Cyclohexane	8.083	56	8153	1.320	ug/l #	28
36) 1,1-Dichloropropene	8.088	75	26793	5.000	ug/l #	52
37) Ethyl Acetate	7.351	43	11070	2.132	ug/l #	69
38) Carbon Tetrachloride	8.088	117	33331	6.305	ug/l #	17
43) Isopropyl Acetate	8.638	43	2550	0.279	ug/l #	58
48) Methyl methacrylate	9.794	41	6370	1.577	ug/l #	37
52) Toluene	10.510	92	19102	1.818	ug/l	95
59) 2-Hexanone	11.089	43	23215	5.927	ug/l	99
68) m/p-Xylenes	11.953	106	5040	0.647	ug/l	88
69) o-Xylene	12.288	106	2702	0.353	ug/l	86
71) Bromoform	12.709	173	75	3.196	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	135097	34.845	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	135097	112.344	ug/l #	6
95) Naphthalene	15.507	128	1743	3.188	ug/l #	83

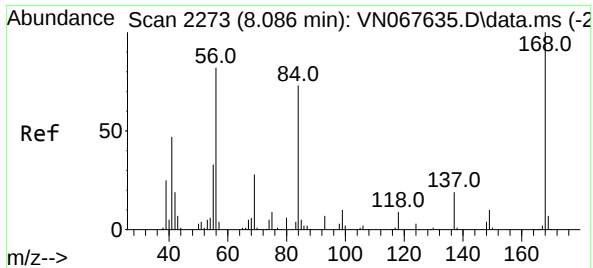
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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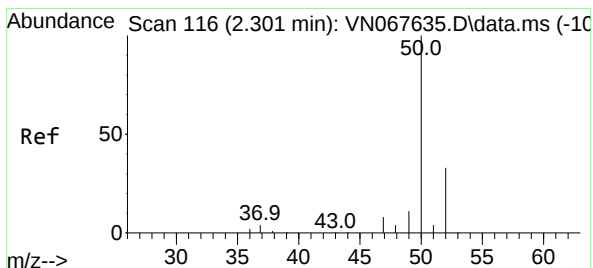
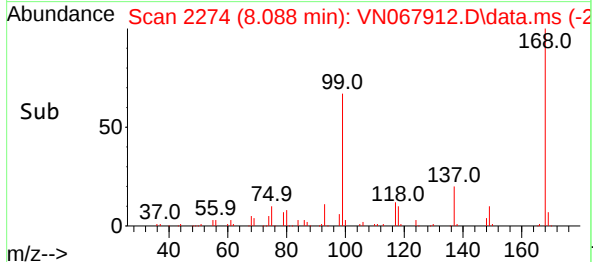
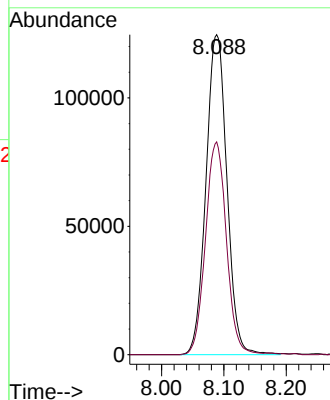
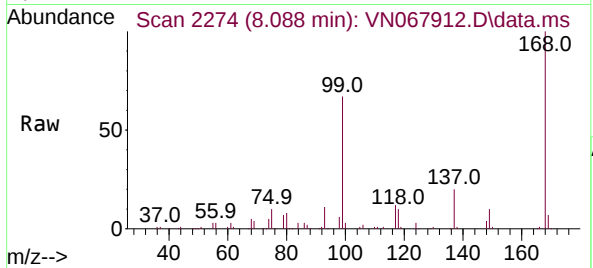




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

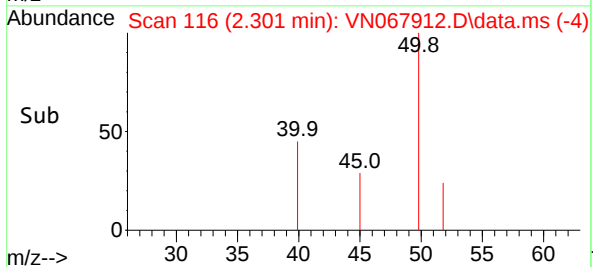
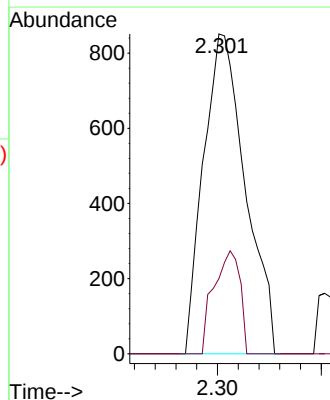
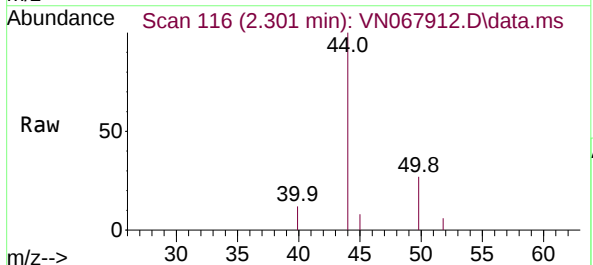
Instrument :
MSVOA_N
ClientSampleId :

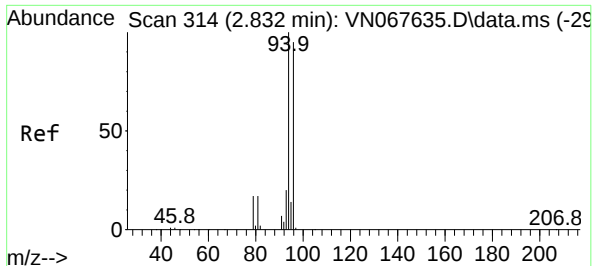
Tgt Ion:168 Resp: 291531
Ion Ratio Lower Upper
168 100
99 66.5 62.9 94.3



#3
Chloromethane
Concen: 0.304 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion: 50 Resp: 1192
Ion Ratio Lower Upper
50 100
52 23.5 25.6 38.4#

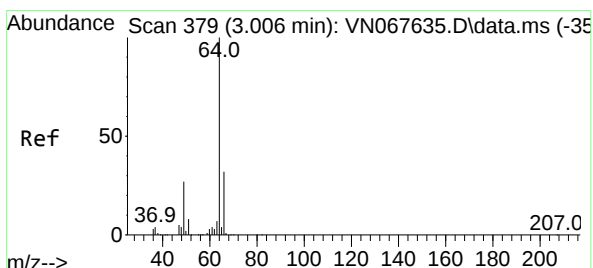
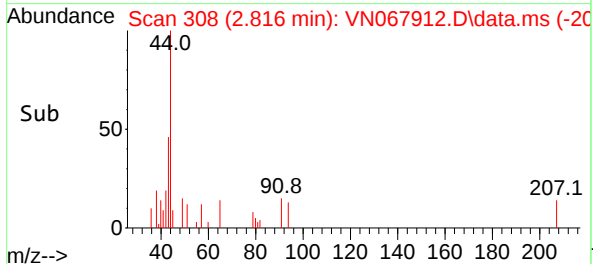
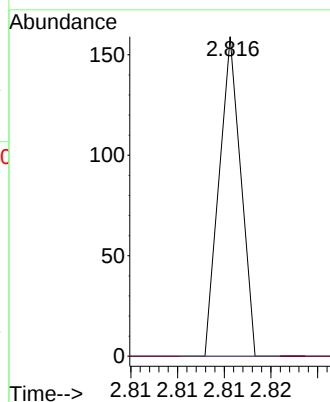
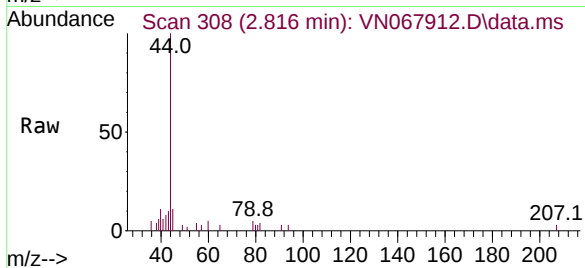




#5
Bromomethane
Concen: Below Cal
RT: 2.816 min Scan# 308
Delta R.T. -0.016 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

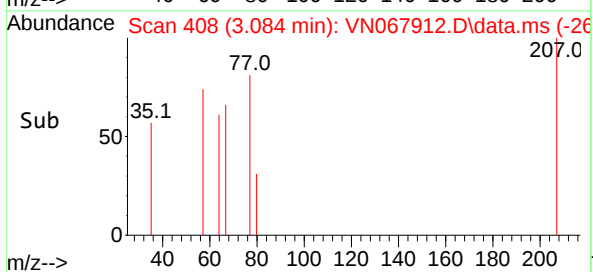
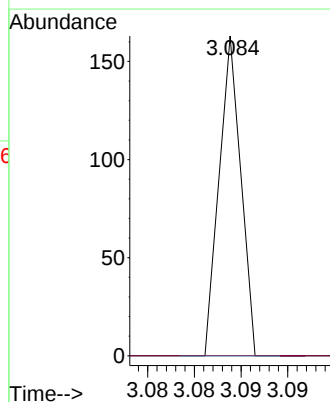
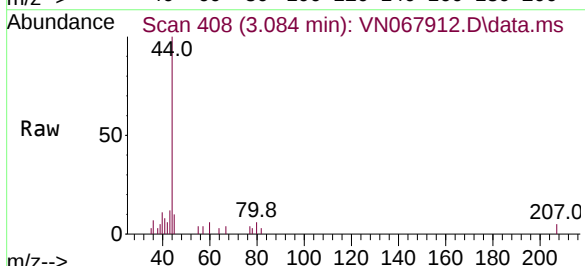
Instrument :
MSVOA_N
ClientSampled :

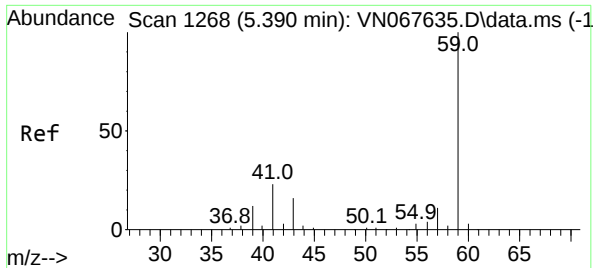
Tgt Ion: 94 Resp: 26
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.084 min Scan# 408
Delta R.T. 0.078 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

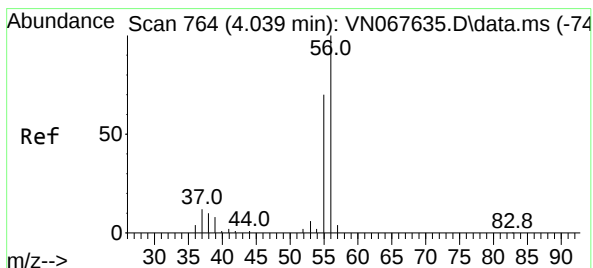
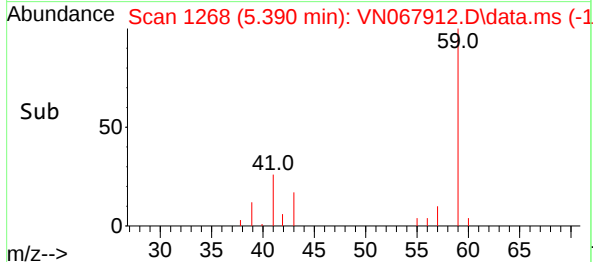
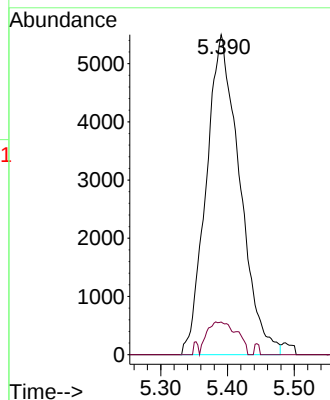
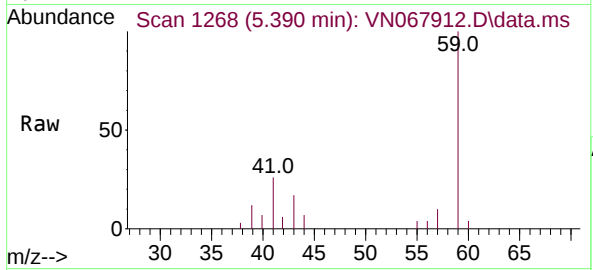




#11
Tert butyl alcohol
Concen: 30.311 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

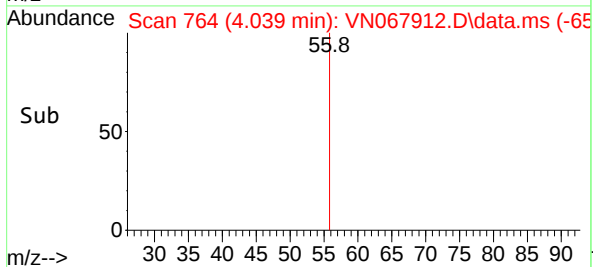
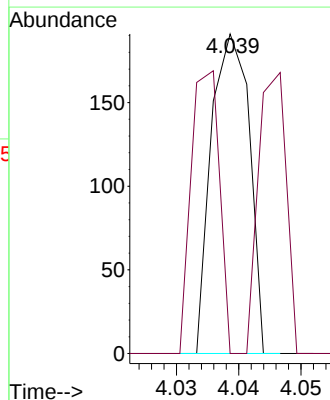
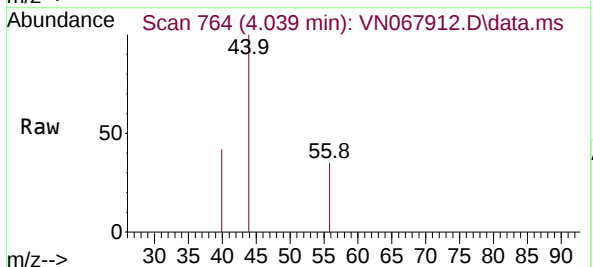
Instrument :
MSVOA_N
ClientSampled :

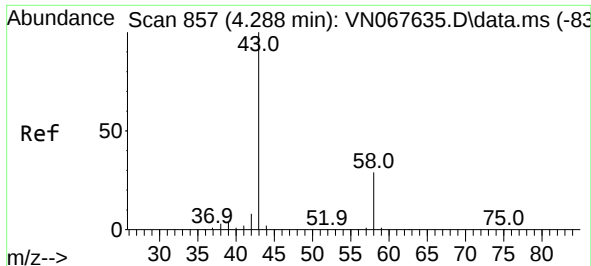
Tgt Ion: 59 Resp: 19191
Ion Ratio Lower Upper
59 100
57 7.2 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 65.4 57.4 86.0

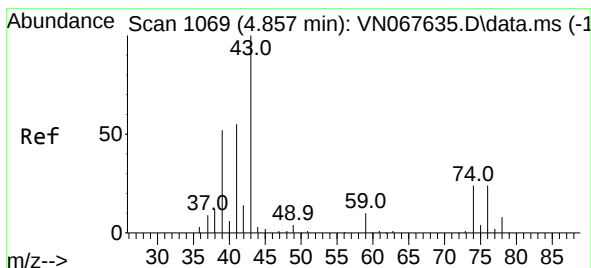
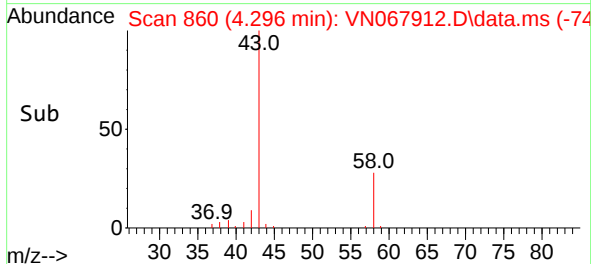
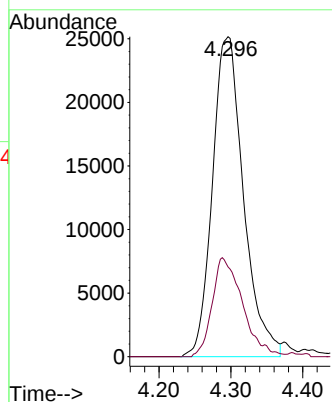
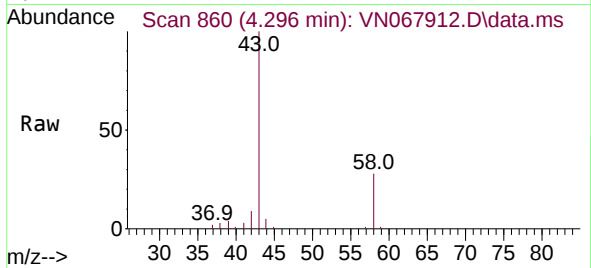




#16
Acetone
Concen: 54.431 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

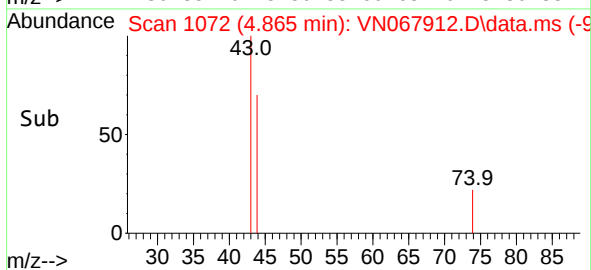
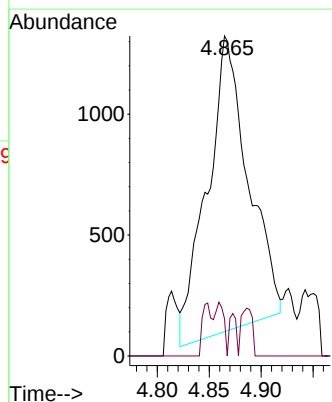
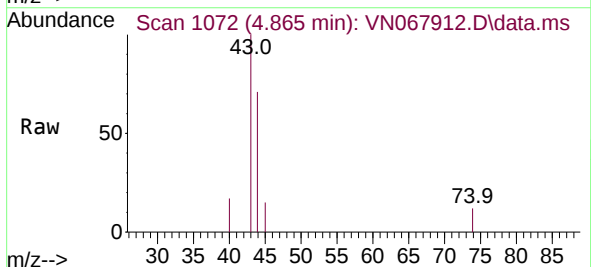
Instrument :
MSVOA_N
ClientSampleId :

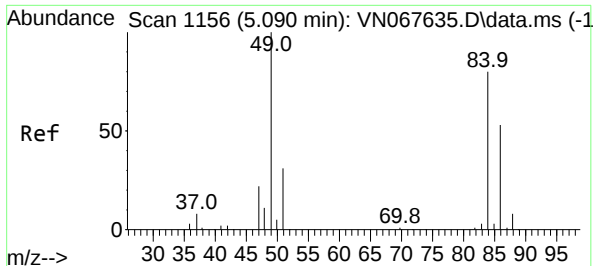
Tgt Ion: 43 Resp: 75461
Ion Ratio Lower Upper
43 100
58 28.1 21.2 31.8



#18
Methyl Acetate
Concen: 0.857 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

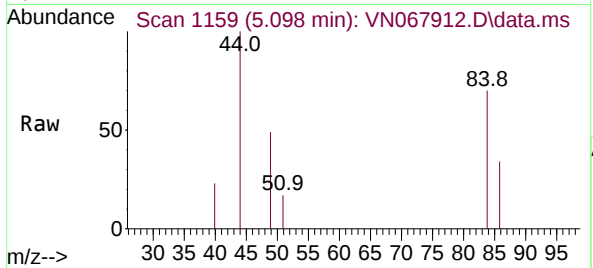
Tgt Ion: 43 Resp: 3338
Ion Ratio Lower Upper
43 100
74 3.7 17.4 26.0#



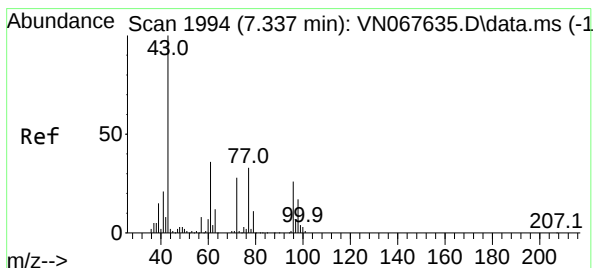
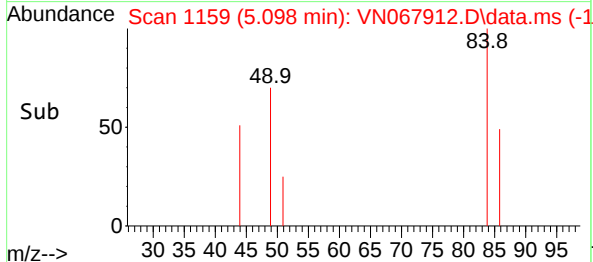
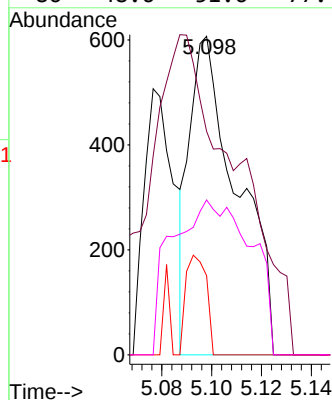


#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. 0.008 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Instrument :
MSVOA_N
ClientSampled :

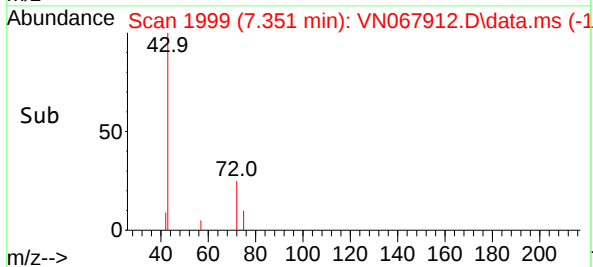
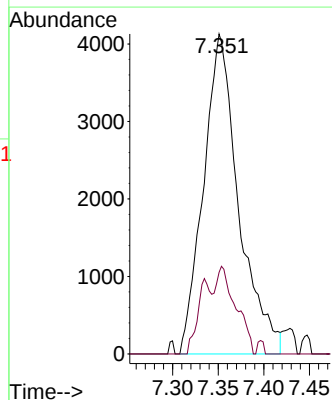
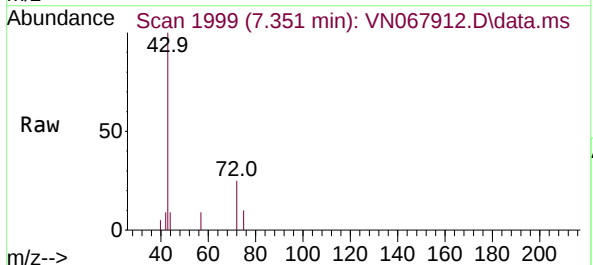


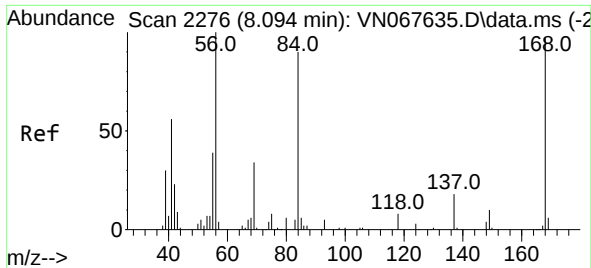
Tgt Ion:	84	Resp:	807
Ion	Ratio	Lower	Upper
84	100		
49	44.3	110.9	166.3#
51	24.9	32.6	49.0#
86	48.6	51.6	77.4#



#25
2-Butanone
Concen: 4.809 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

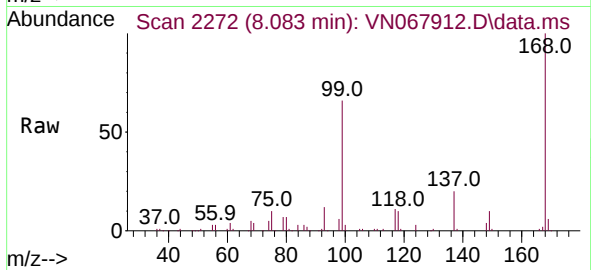
Tgt Ion:	43	Resp:	11070
Ion	Ratio	Lower	Upper
43	100		
72	25.5	19.7	29.5



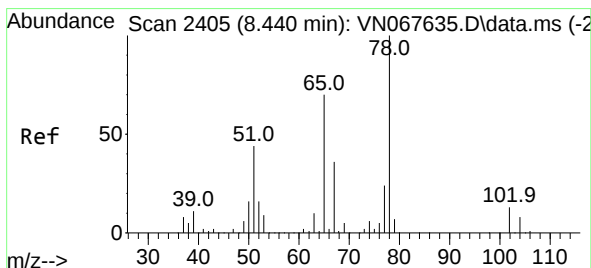
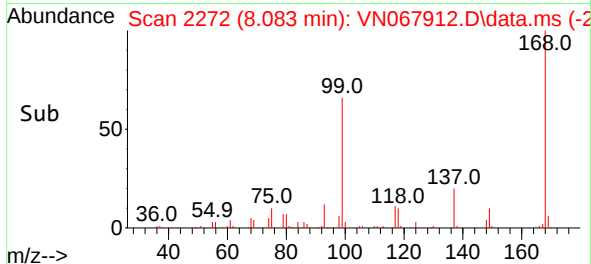
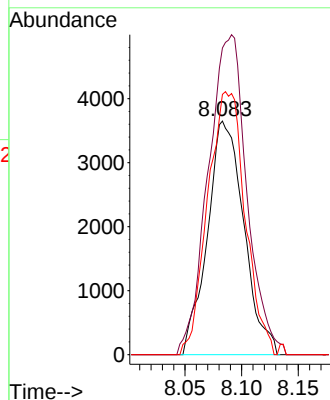


#31
Cyclohexane
Concen: 1.320 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Instrument :
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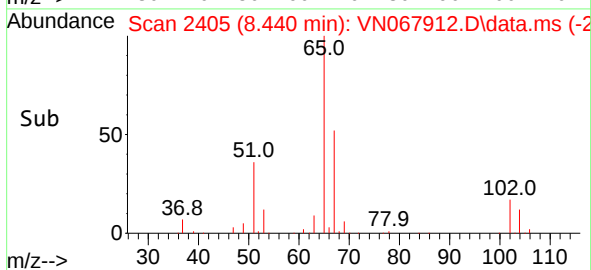
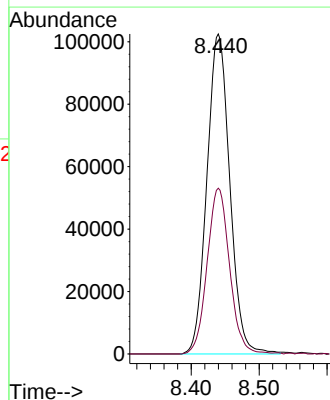
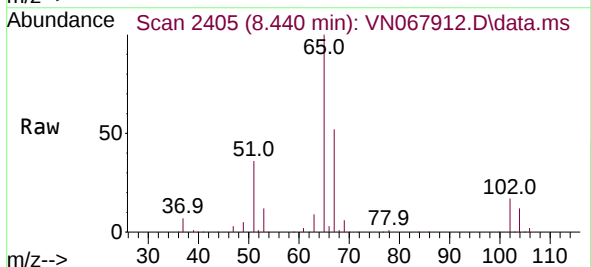


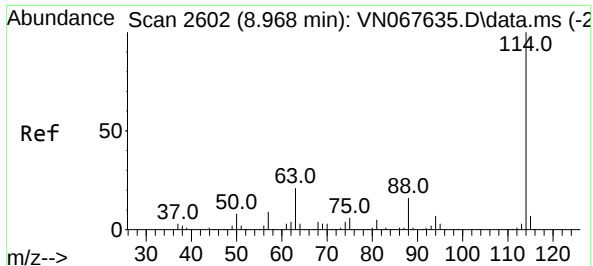
Tgt Ion: 56 Resp: 8153
Ion Ratio Lower Upper
56 100
69 126.7 27.3 40.9#
84 111.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.507 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion: 65 Resp: 240156
Ion Ratio Lower Upper
65 100
67 50.7 0.0 98.6

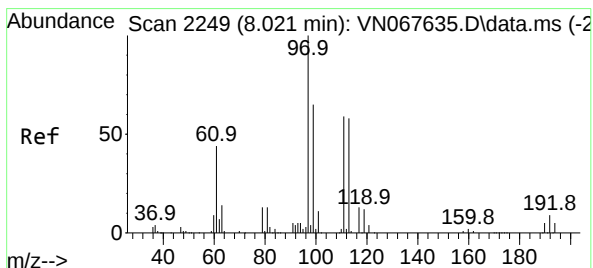
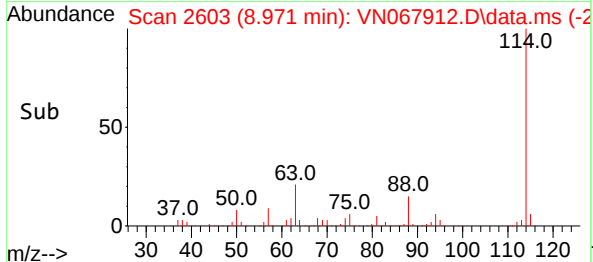
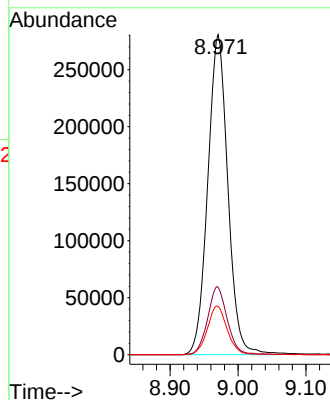
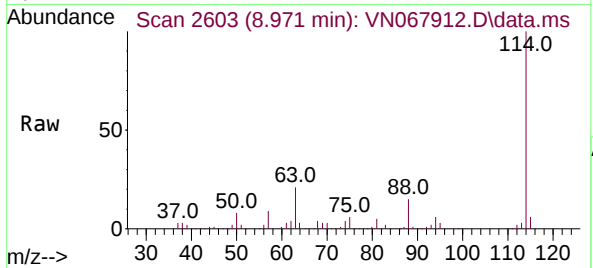




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

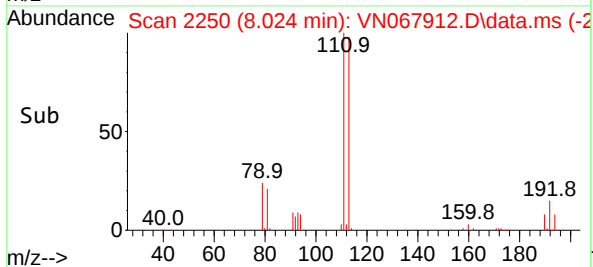
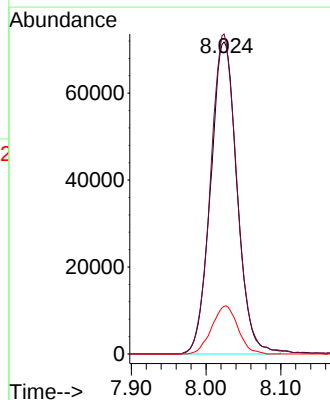
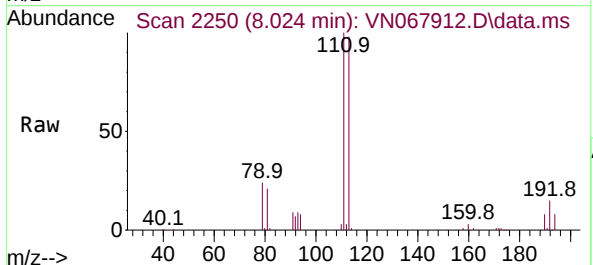
Instrument :
MSVOA_N
ClientSampled :

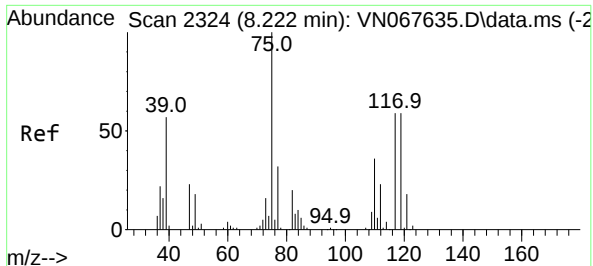
Tgt Ion:114 Resp: 576919
Ion Ratio Lower Upper
114 100
63 21.1 0.0 49.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.529 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion:113 Resp: 176124
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 15.3 13.4 20.0

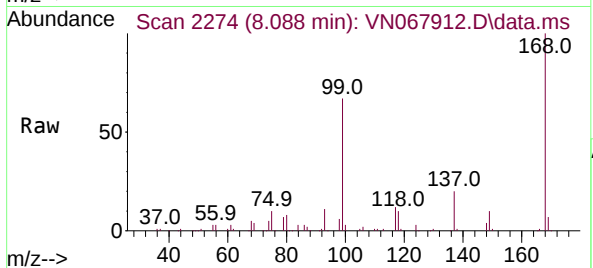




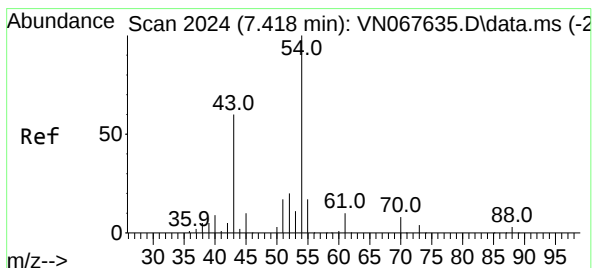
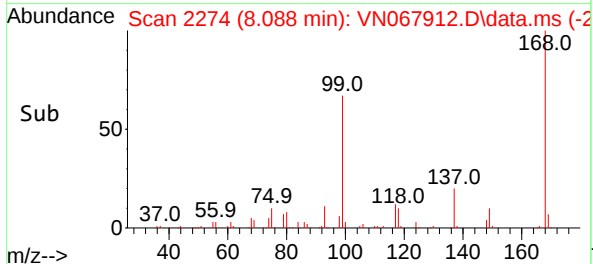
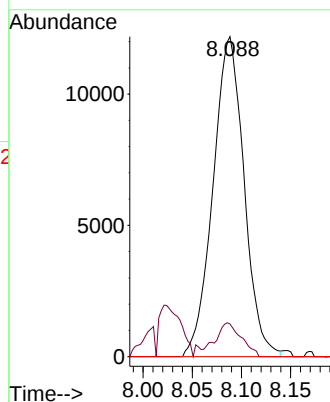
#36

1,1-Dichloropropene
Concen: 5.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Instrument :
MSVOA_N
ClientSampled :



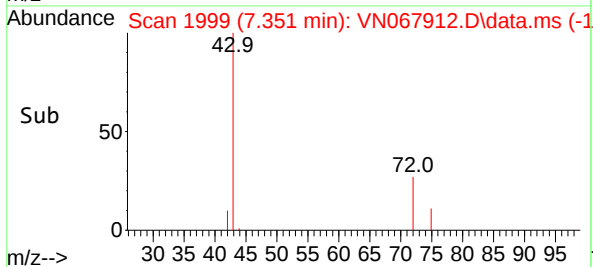
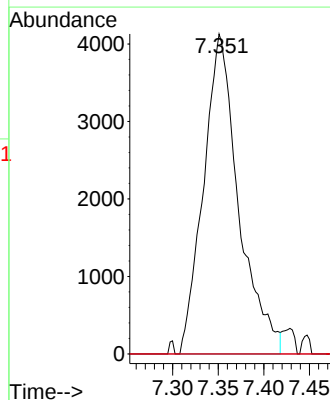
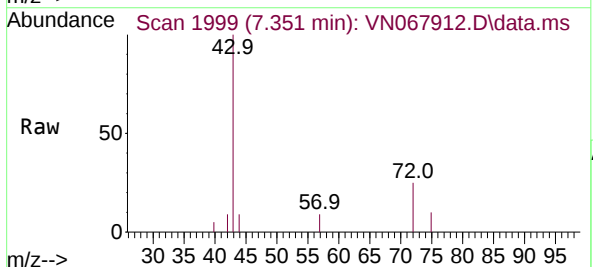
Tgt Ion: 75	Resp: 26793
Ion Ratio	Lower Upper
75 100	
110 8.9	15.7 47.0#
77 0.0	24.6 37.0#

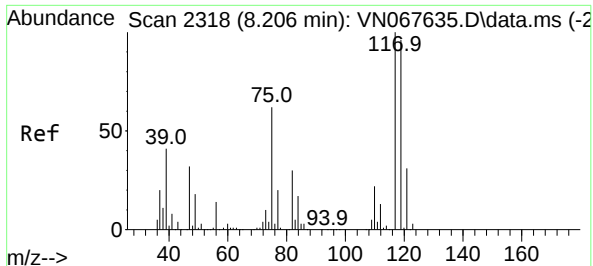


#37

Ethyl Acetate
Concen: 2.132 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.067 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

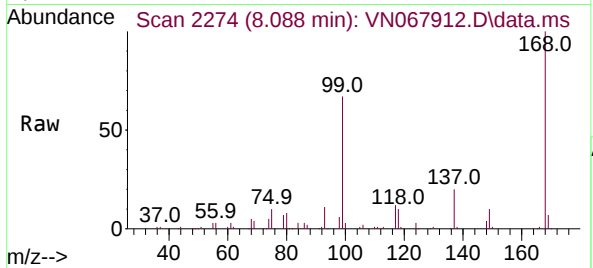
Tgt Ion: 43	Resp: 11070
Ion Ratio	Lower Upper
43 100	
61 0.0	10.6 16.0#
70 0.0	8.1 12.1#



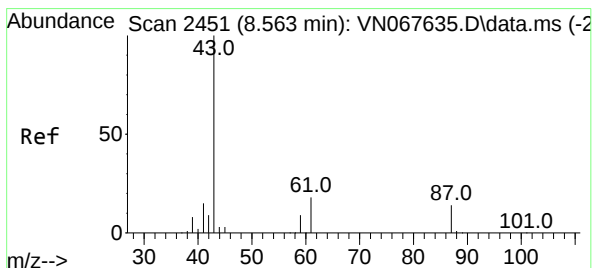
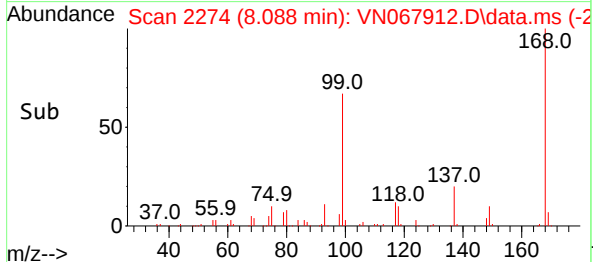
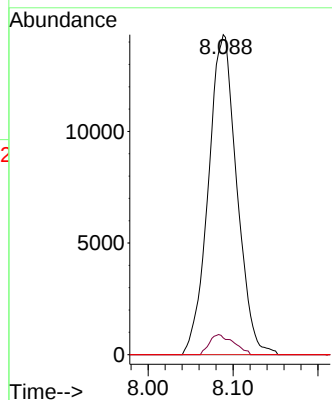


#38
Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Instrument :
MSVOA_N
ClientSampled :

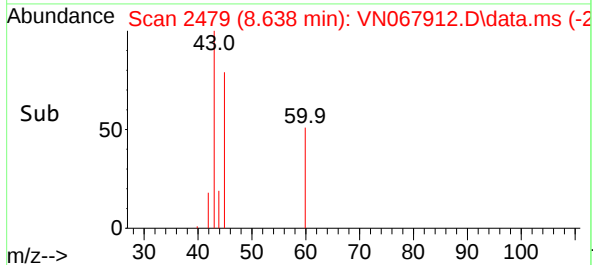
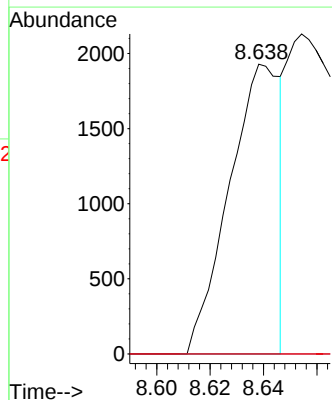
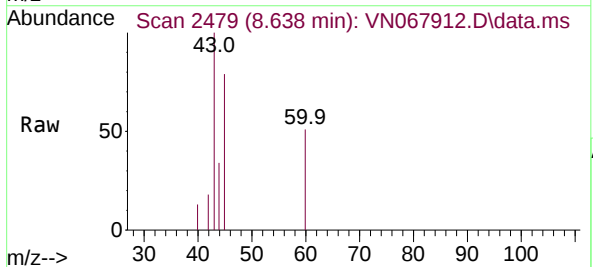


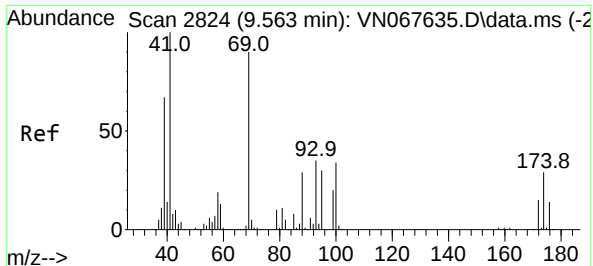
Tgt Ion:117 Resp: 33331
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.279 ug/l
RT: 8.638 min Scan# 2479
Delta R.T. 0.075 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion: 43 Resp: 2550
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

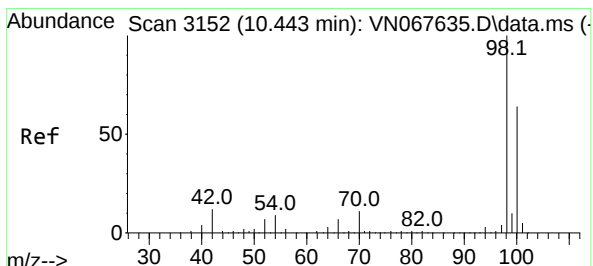
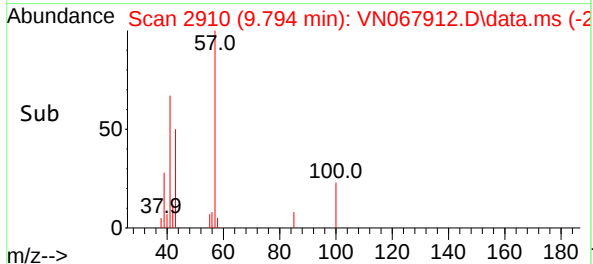
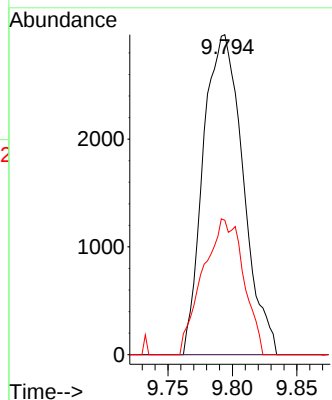
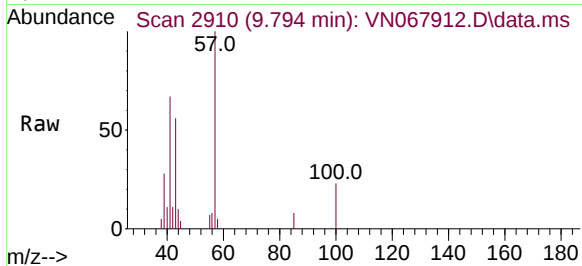




#48
Methyl methacrylate
Concen: 1.577 ug/l
RT: 9.794 min Scan# 2910
Delta R.T. 0.231 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

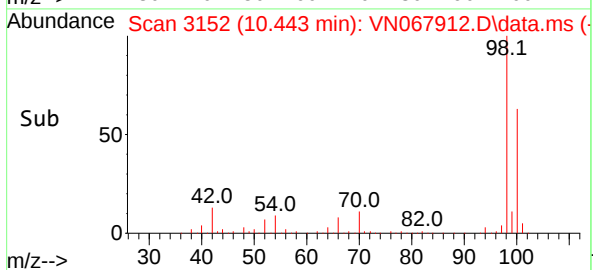
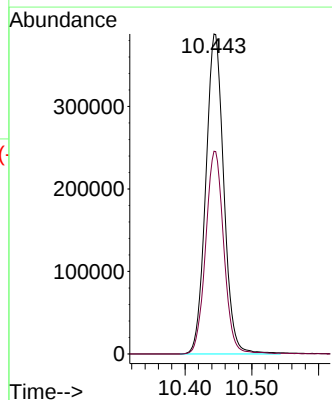
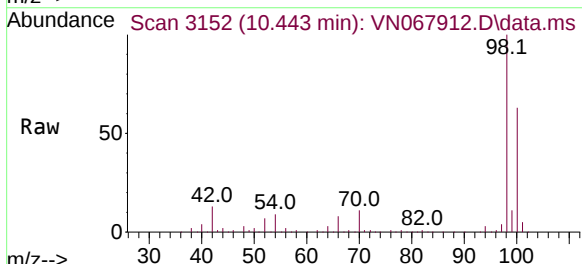
Instrument :
MSVOA_N
ClientSampled :

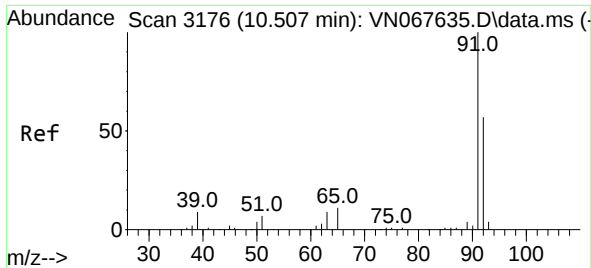
Tgt Ion: 41 Resp: 6370
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 43.4 53.3 79.9#



#50
Toluene-d8
Concen: 49.746 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion: 98 Resp: 725793
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

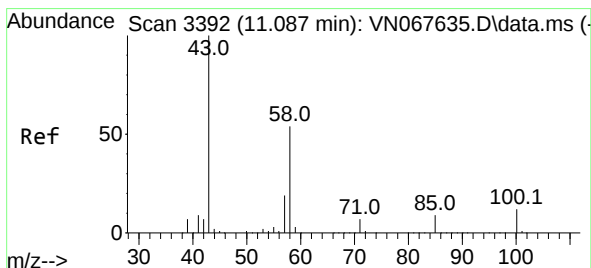
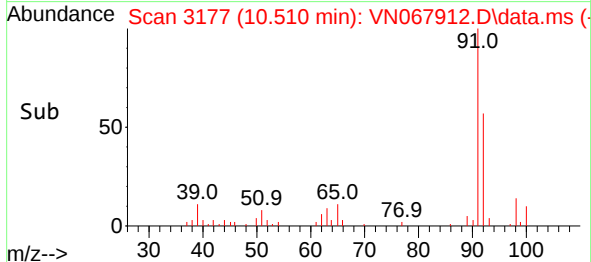
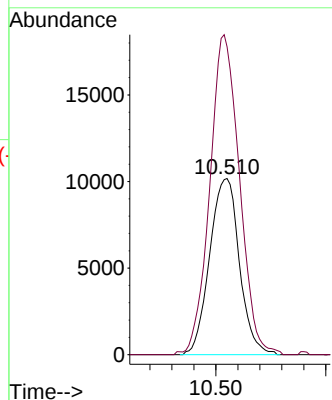
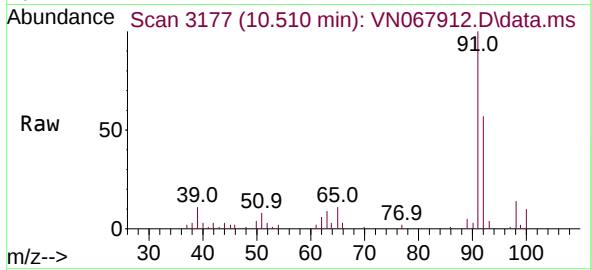




#52
Toluene
Concen: 1.818 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

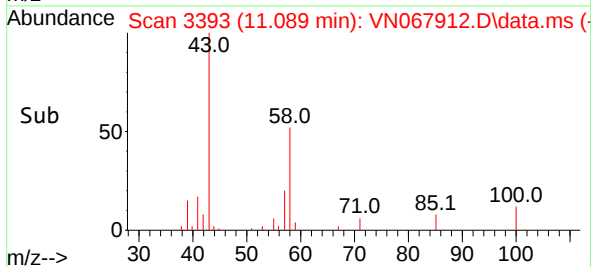
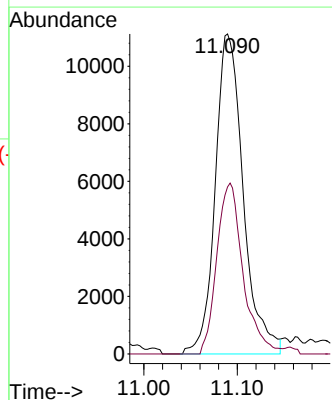
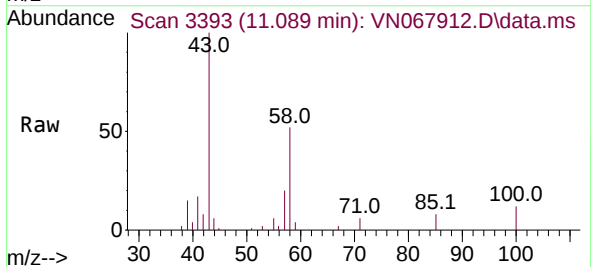
Instrument :
MSVOA_N
ClientSampled :

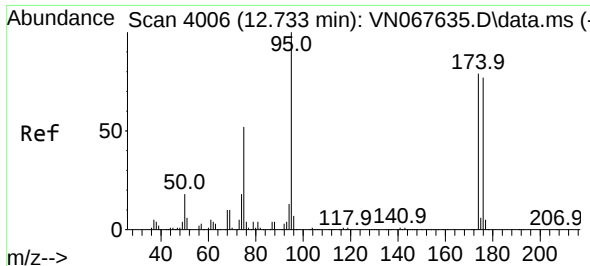
Tgt Ion: 92 Resp: 19102
Ion Ratio Lower Upper
92 100
91 181.5 139.6 209.4



#59
2-Hexanone
Concen: 5.927 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion: 43 Resp: 23215
Ion Ratio Lower Upper
43 100
58 50.1 24.7 74.1

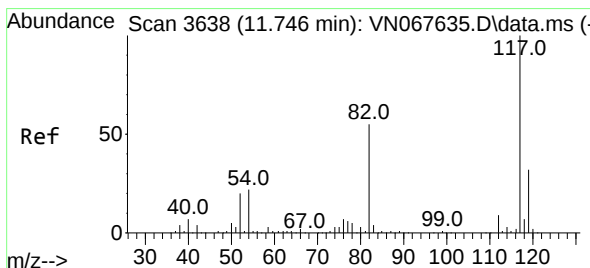
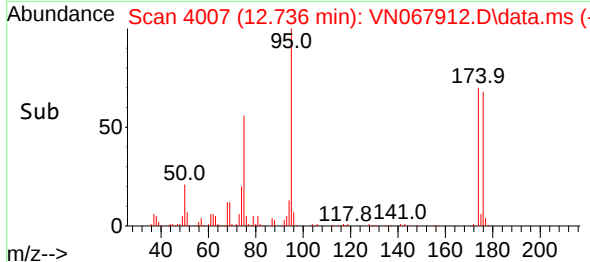
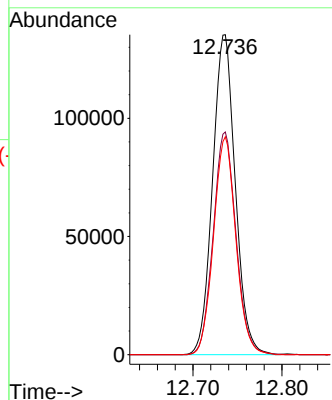
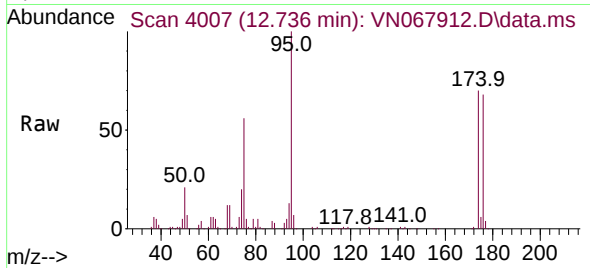




#62
4-Bromofluorobenzene
Concen: 46.542 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

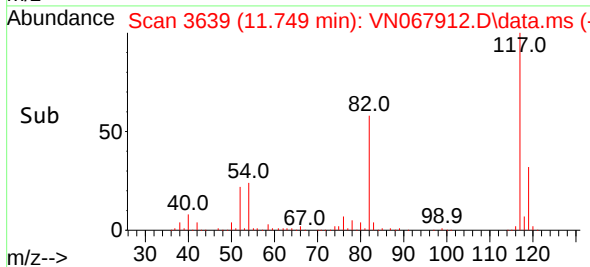
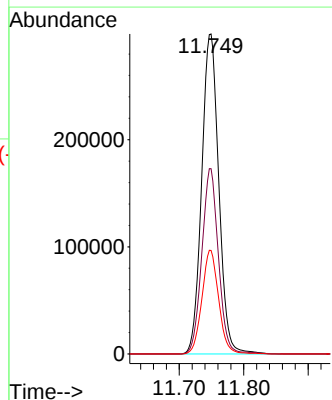
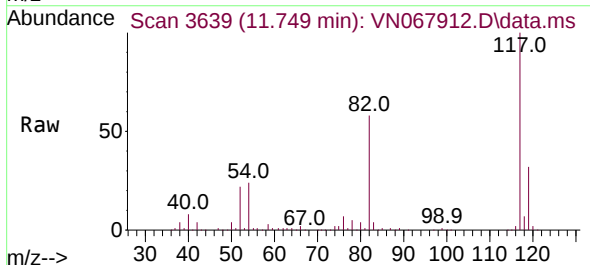
Instrument :
MSVOA_N
ClientSampleId :

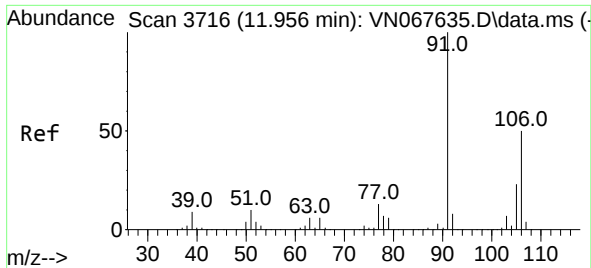
Tgt Ion: 95 Resp: 239875
Ion Ratio Lower Upper
95 100
174 70.0 0.0 122.0
176 67.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion: 117 Resp: 550519
Ion Ratio Lower Upper
117 100
82 57.9 53.1 79.7
119 32.4 25.5 38.3

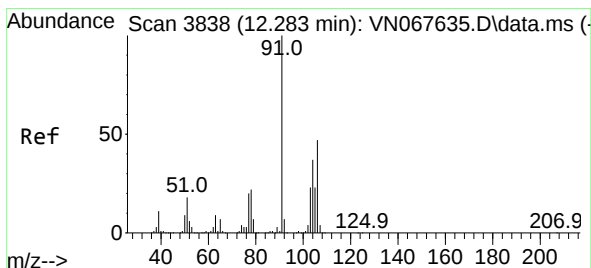
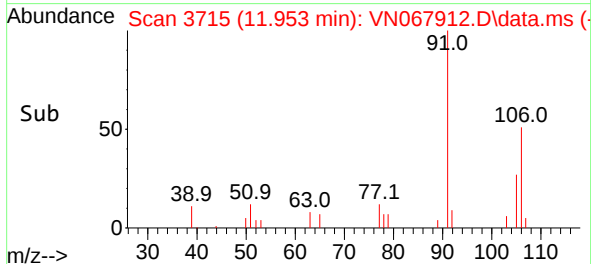
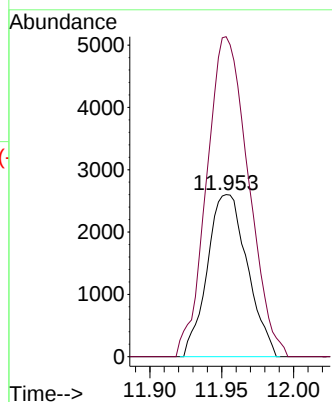
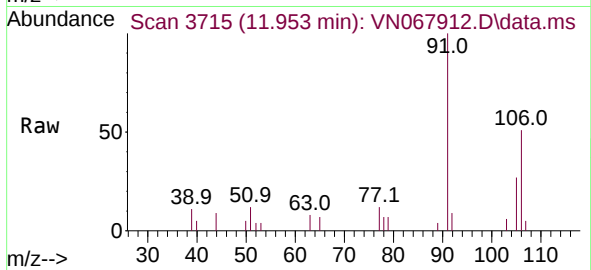




#68
m/p-Xylenes
Concen: 0.647 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

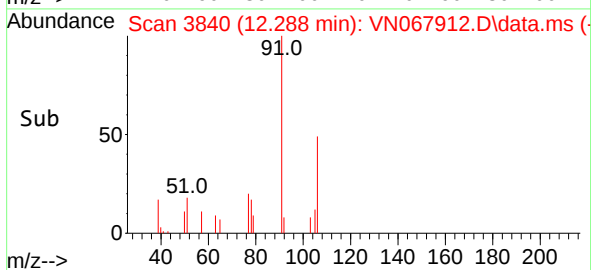
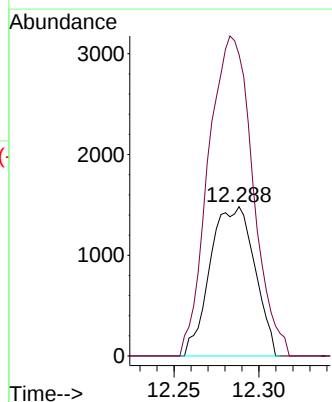
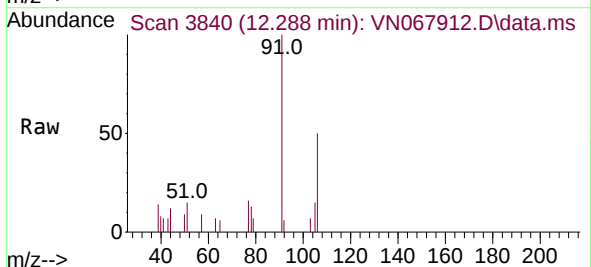
Instrument :
MSVOA_N
ClientSampled :

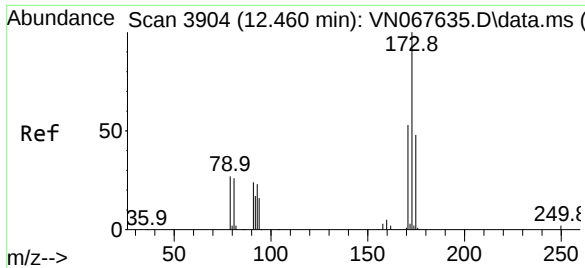
Tgt Ion:106 Resp: 5040
Ion Ratio Lower Upper
106 100
91 205.6 180.6 270.8



#69
o-Xylene
Concen: 0.353 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. 0.005 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion:106 Resp: 2702
Ion Ratio Lower Upper
106 100
91 213.5 118.3 354.9

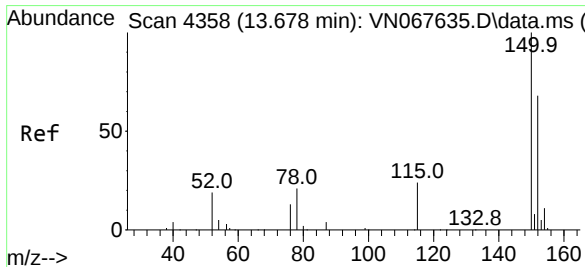
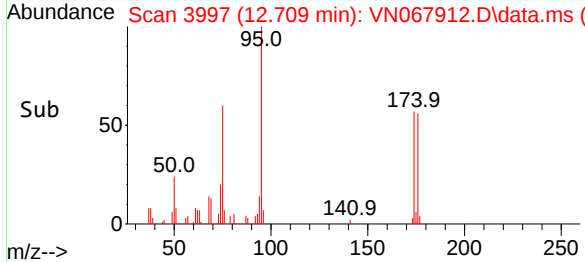
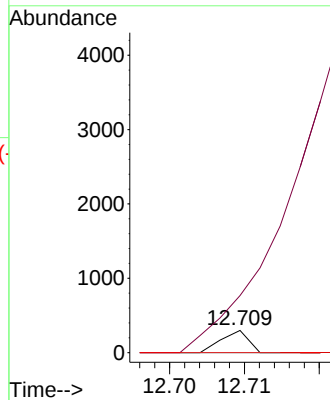
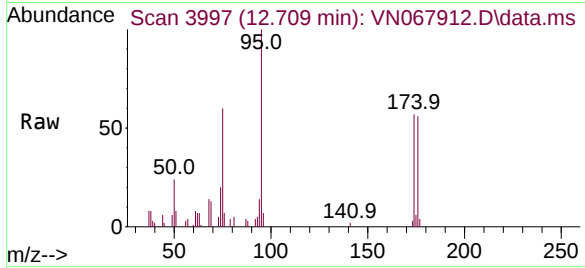




#71
Bromoform
Concen: 3.196 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

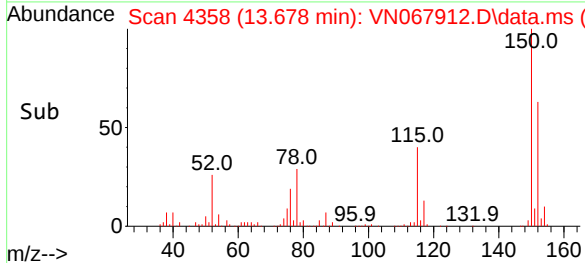
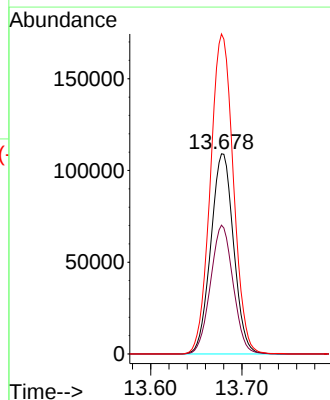
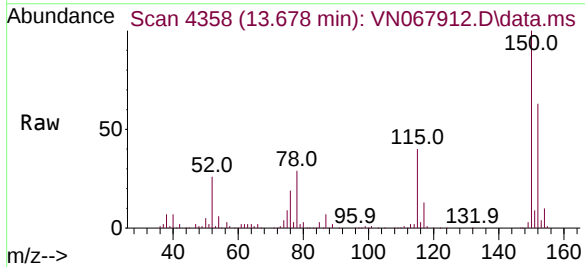
Instrument :
MSVOA_N
ClientSampleId :

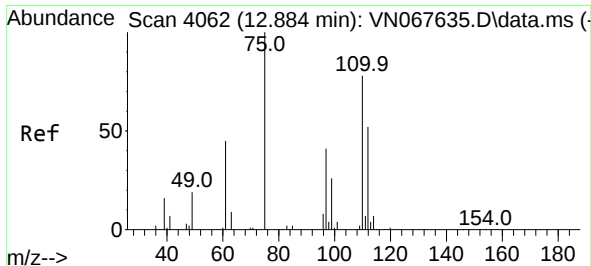
Tgt Ion:173 Resp: 75
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion:152 Resp: 189849
Ion Ratio Lower Upper
152 100
115 63.8 36.1 108.5
150 160.9 0.0 351.8

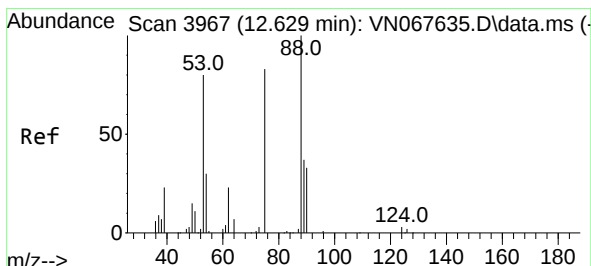
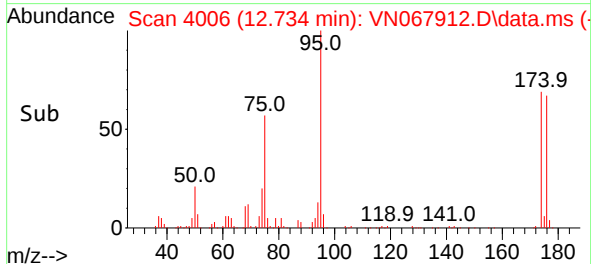
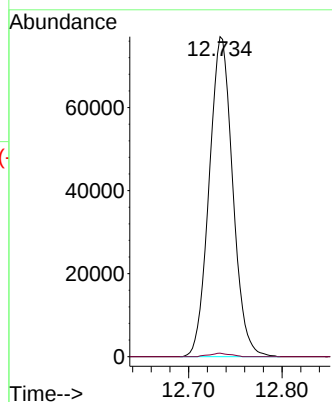
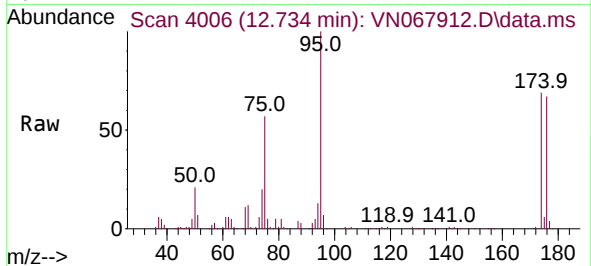




#76
1,2,3-Trichloropropane
Concen: 34.845 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

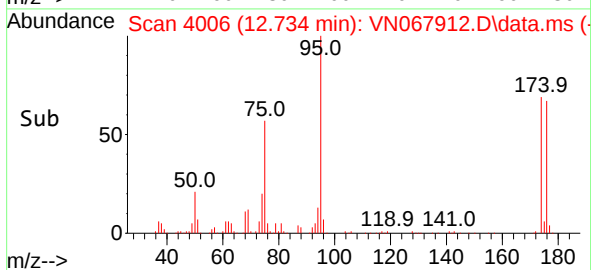
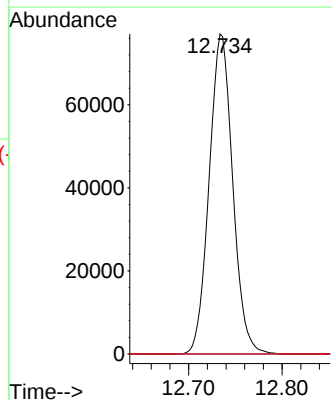
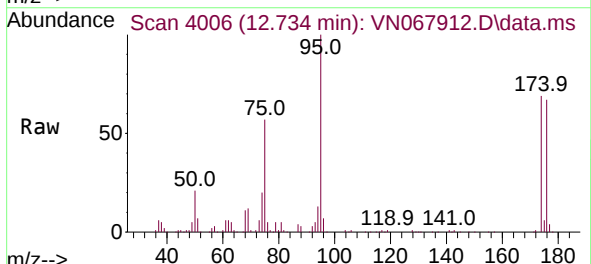
Instrument :
MSVOA_N
ClientSampled :

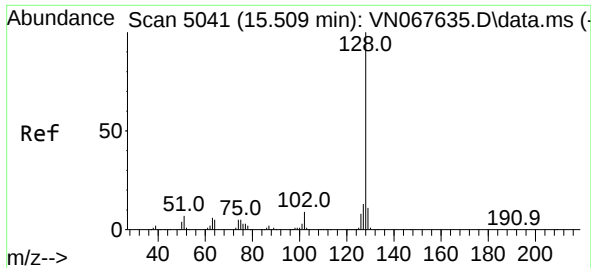
Tgt Ion: 75 Resp: 135097
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.344 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Tgt Ion: 75 Resp: 135097
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.188 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067912.D
Acq: 26 Jul 2021 17:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1743
Ion Ratio Lower Upper
128 100
127 10.4 10.6 15.8#
129 0.0 8.6 12.8#

