

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071321\
 Data File : VN067710.D
 Acq On : 13 Jul 2021 11:37
 Operator : JC/MD
 Sample : VN0713WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

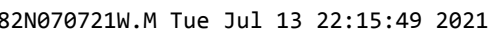
Quant Time: Jul 13 22:15:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

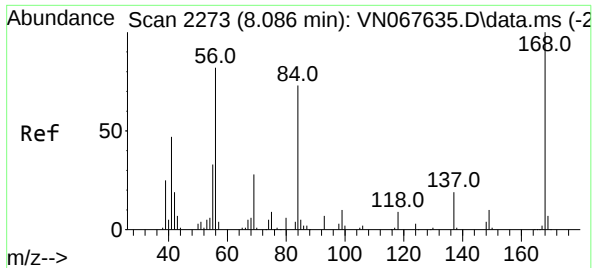
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	341111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	636479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	582128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	203702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	265309	51.464	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 102.920%		
35) Dibromofluoromethane	8.021	113	191853	49.891	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 99.780%		
50) Toluene-d8	10.443	98	808473	50.228	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 100.460%		
62) 4-Bromofluorobenzene	12.733	95	252496	44.406	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 88.820%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.810	94	160	Below Cal	#	4
6) Chloroethane	2.971	64	59	Below Cal	#	44
7) Trichlorofluoromethane	3.360	101	103	Below Cal	#	29
13) Acrolein	4.041	56	385	Below Cal	#	14
16) Acetone	4.296	43	2304	1.420	ug/l	96
20) Methylene Chloride	5.100	84	4229	0.427	ug/l	86
25) 2-Butanone	7.348	43	695	0.258	ug/l #	51
31) Cyclohexane	8.088	56	9694	1.341	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	31613	5.347	ug/l #	52
38) Carbon Tetrachloride	8.086	117	38195	6.549	ug/l #	16
53) t-1,3-Dichloropropene	10.722	75	102	1.758	ug/l #	43
59) 2-Hexanone	11.087	43	3535	0.818	ug/l	95
60) Dibromochloromethane	10.979	129	133	2.380	ug/l #	11
71) Bromoform	12.717	173	213	3.229	ug/l #	29
74) N-amyl acetate	12.395	43	1830	0.307	ug/l #	71
76) 1,2,3-Trichloropropane	12.733	75	144557	34.750	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	144557	112.036	ug/l #	6
89) n-Butylbenzene	13.943	91	3136	0.288	ug/l	91
91) 1,2-Dichlorobenzene	13.994	146	1319	0.202	ug/l	76
93) 1,2,4-Trichlorobenzene	15.265	180	1700	3.149	ug/l	62
95) Naphthalene	15.512	128	9536	3.911	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	2046	3.228	ug/l	93

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

Quant Time: Jul 13 22:15:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
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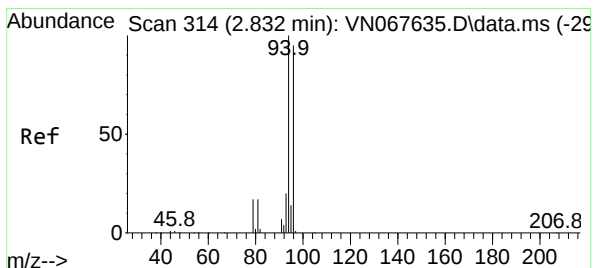
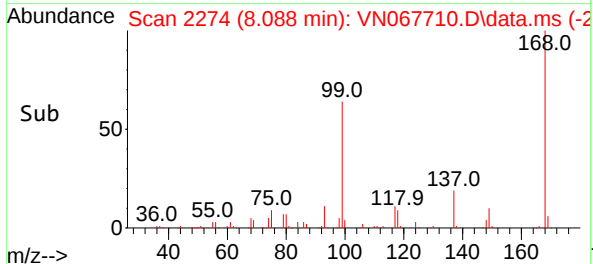
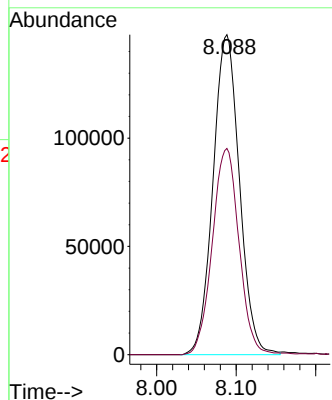
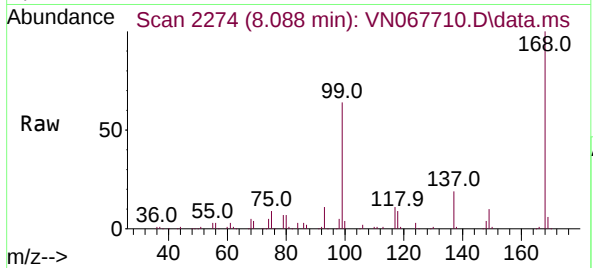




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

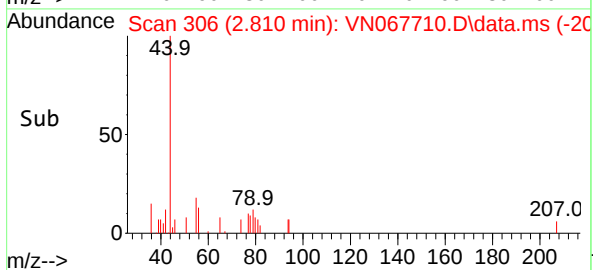
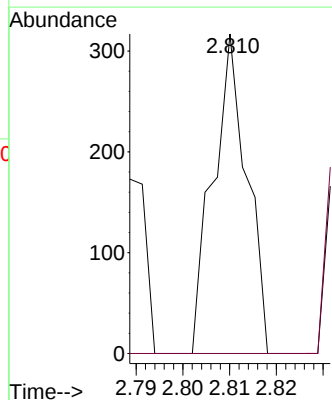
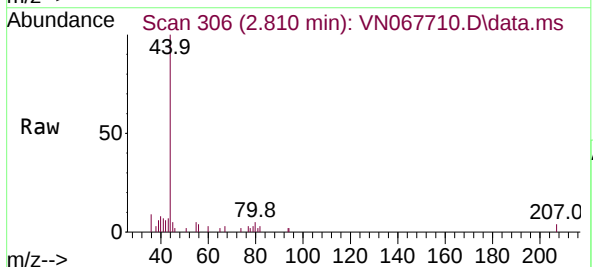
Instrument :
MSVOA_N
ClientSampleId :

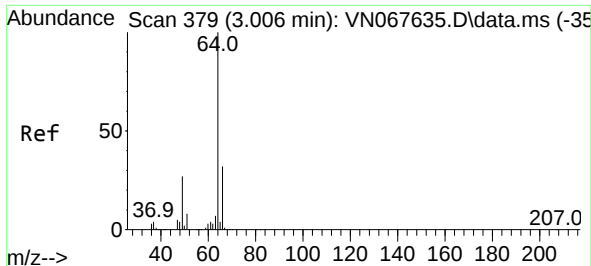
Tgt Ion:168 Resp: 341111
Ion Ratio Lower Upper
168 100
99 64.4 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.810 min Scan# 306
Delta R.T. -0.022 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 94 Resp: 160
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

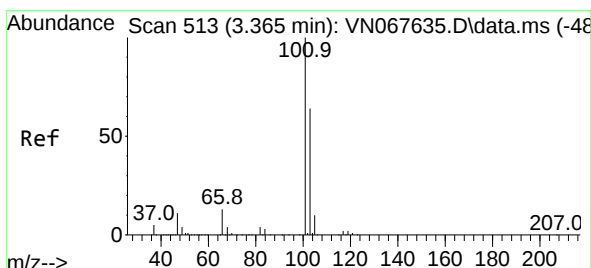
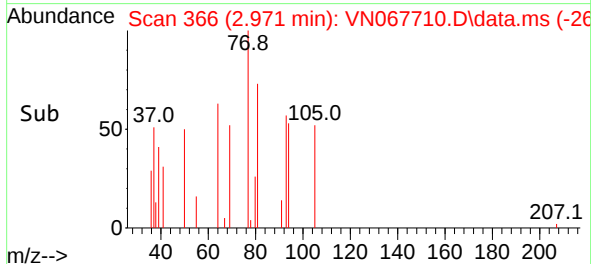
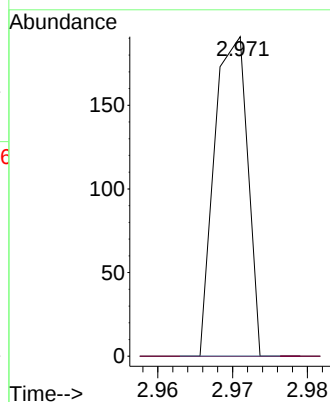
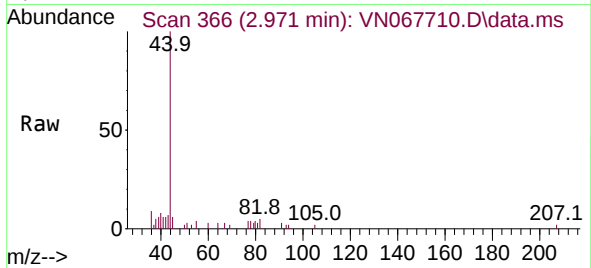




#6
Chloroethane
Concen: Below Cal
RT: 2.971 min Scan# 366
Delta R.T. -0.035 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

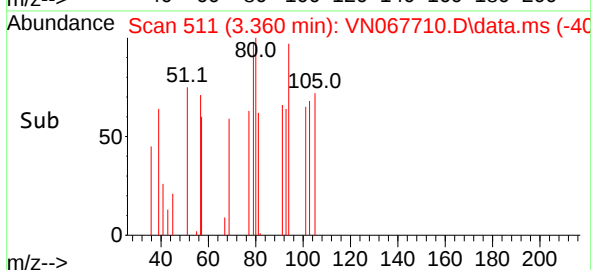
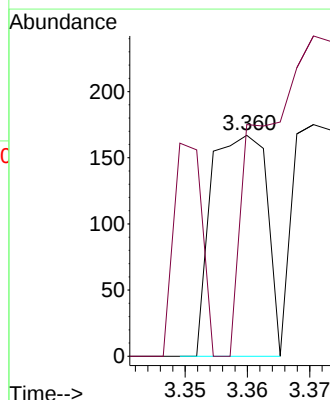
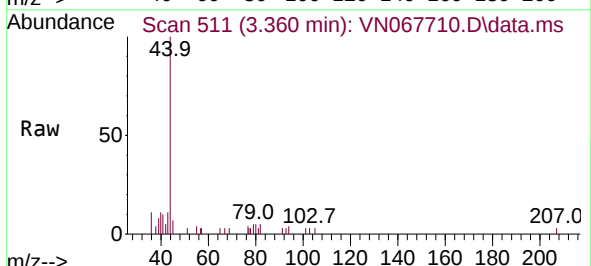
Instrument :
MSVOA_N
ClientSampled :

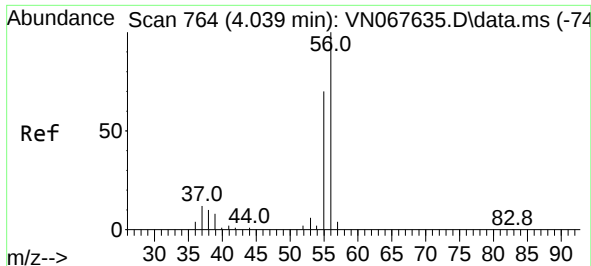
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.360 min Scan# 511
Delta R.T. -0.005 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 101 Resp: 103
Ion Ratio Lower Upper
101 100
103 8.4 51.2 76.8#

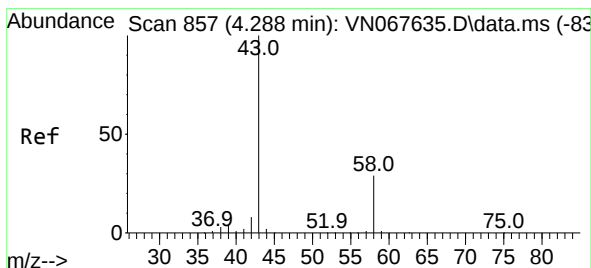
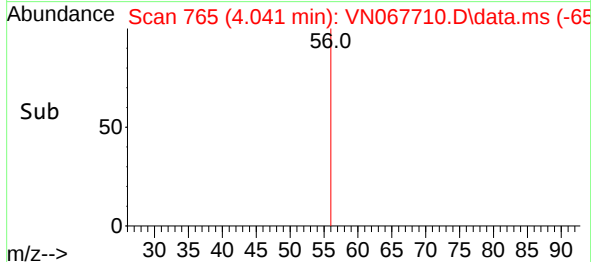
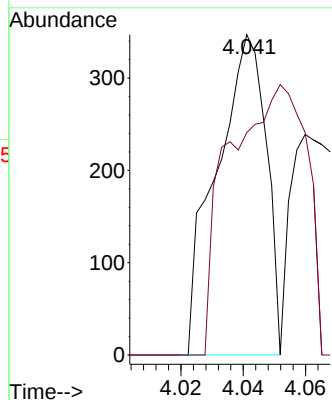
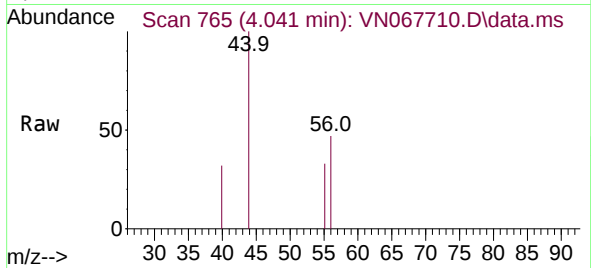




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

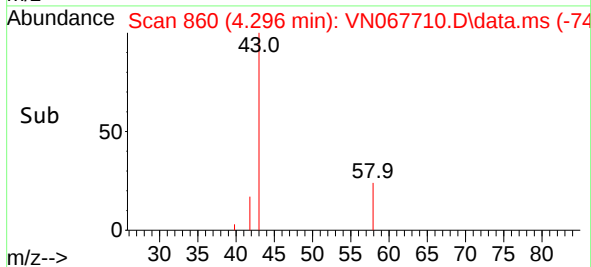
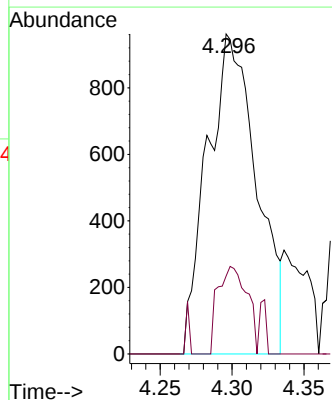
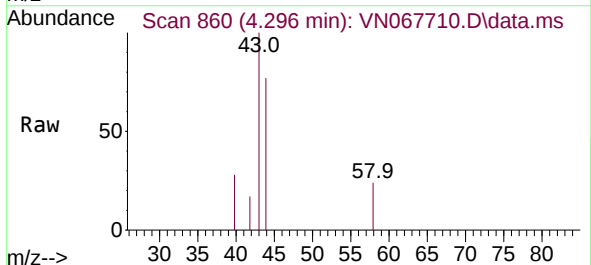
Instrument :
MSVOA_N
ClientSampled :

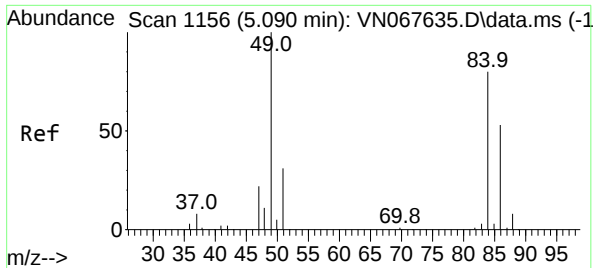
Tgt Ion: 56 Resp: 385
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 1.420 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
58 24.3 21.2 31.8



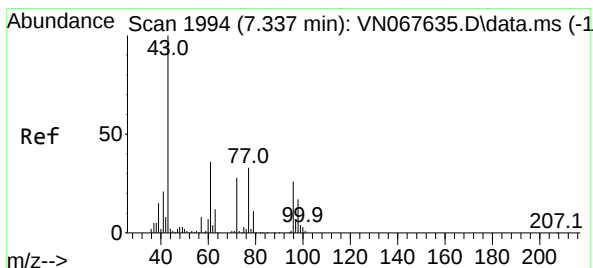
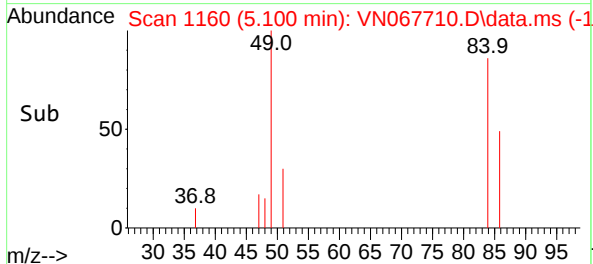
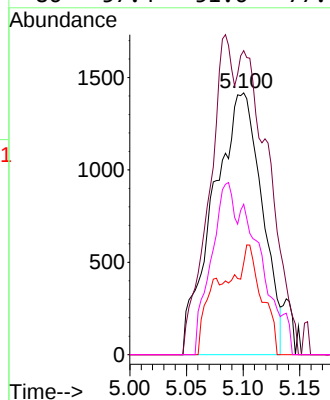
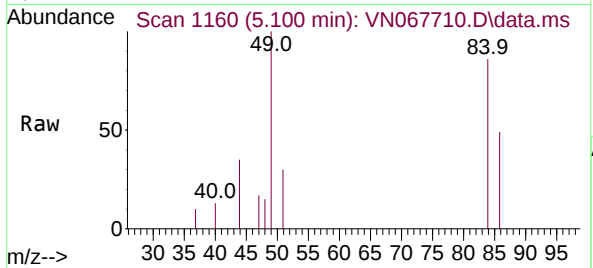


#20
Methylene Chloride
Concen: 0.427 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. 0.010 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 4229

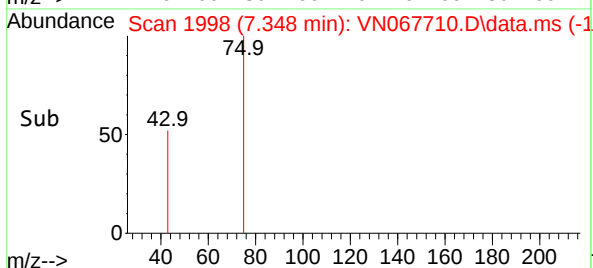
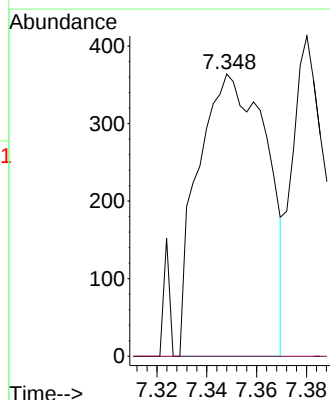
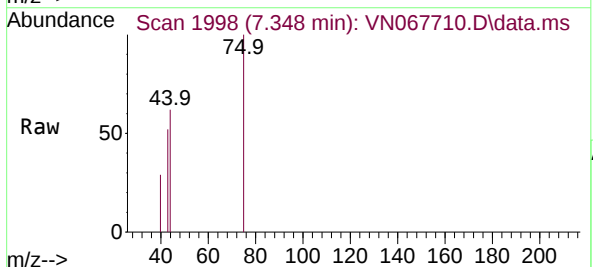
Ion	Ratio	Lower	Upper
84	100		
49	116.1	110.9	166.3
51	35.1	32.6	49.0
86	57.4	51.6	77.4

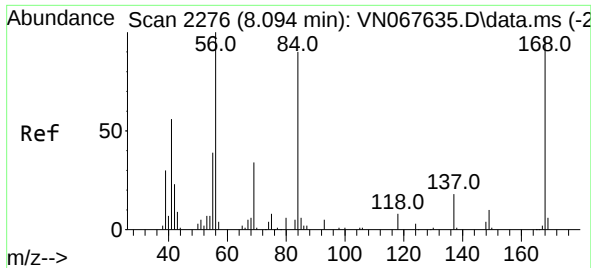


#25
2-Butanone
Concen: 0.258 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 43 Resp: 695

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.7	29.5#

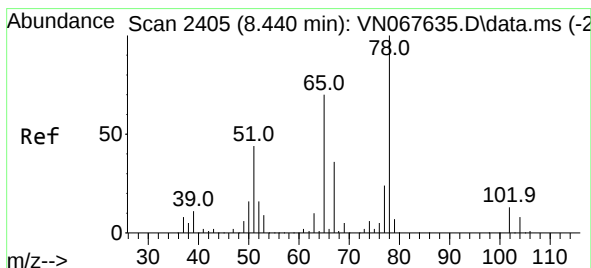
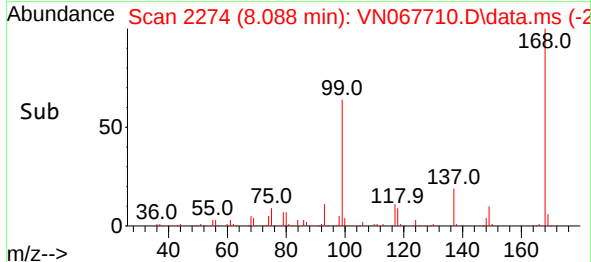
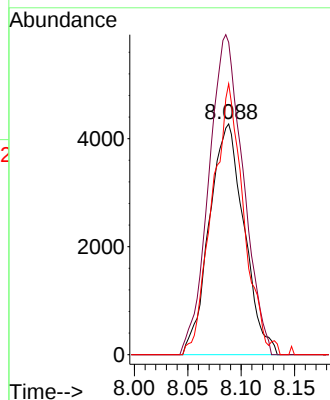
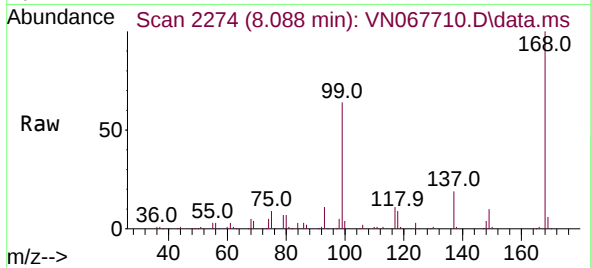




#31
Cyclohexane
Concen: 1.341 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

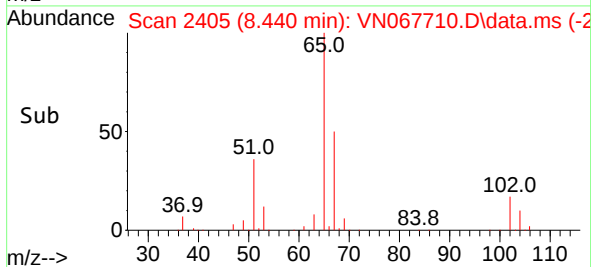
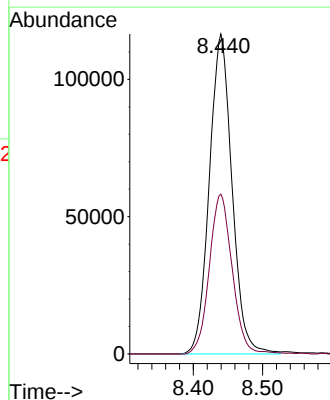
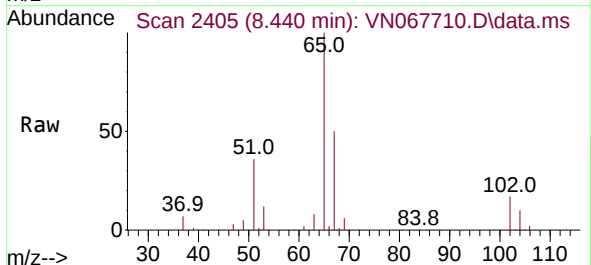
Instrument :
MSVOA_N
ClientSampled :

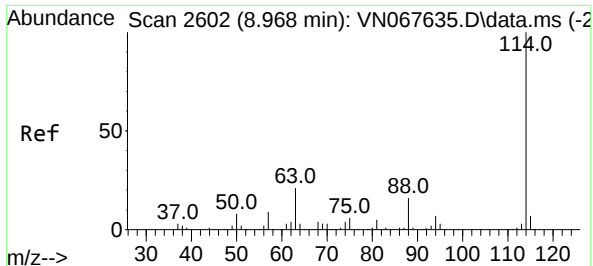
Tgt Ion: 56 Resp: 9694
Ion Ratio Lower Upper
56 100
69 135.3 27.3 40.9#
84 117.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.464 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 65 Resp: 265309
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6

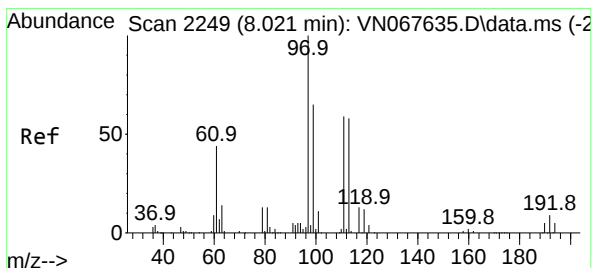
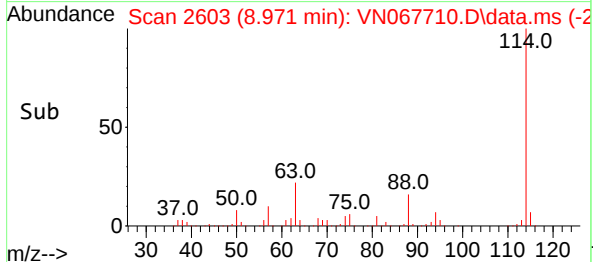
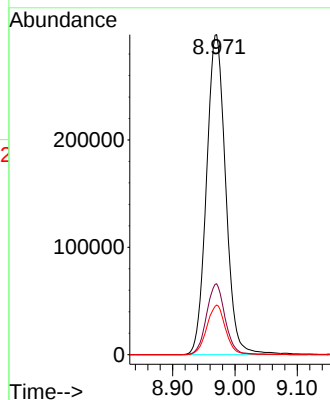
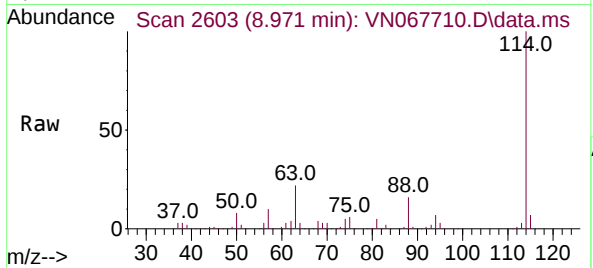




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

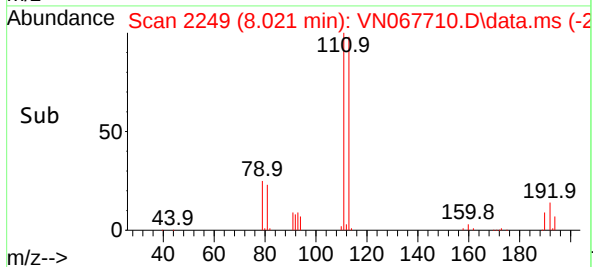
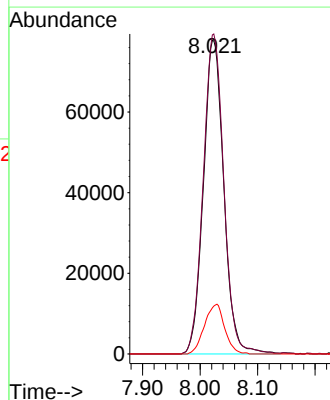
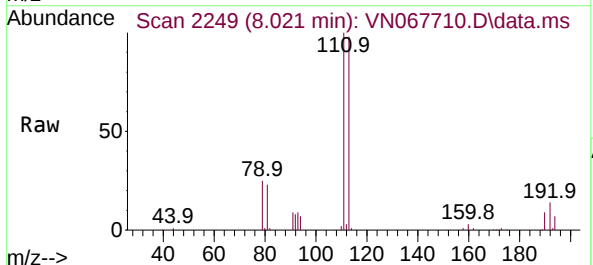
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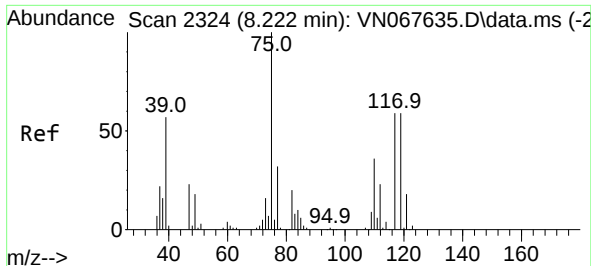
Tgt Ion:114 Resp: 636479
Ion Ratio Lower Upper
114 100
63 22.1 0.0 49.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.891 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion:113 Resp: 191853
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 15.6 13.4 20.0

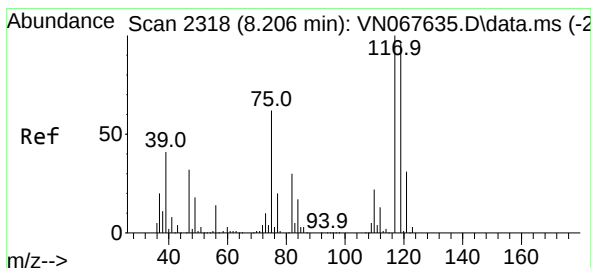
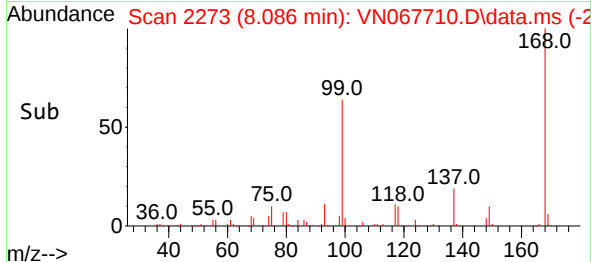
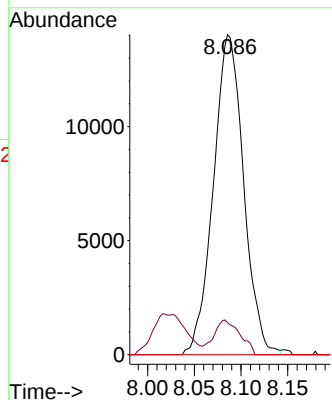
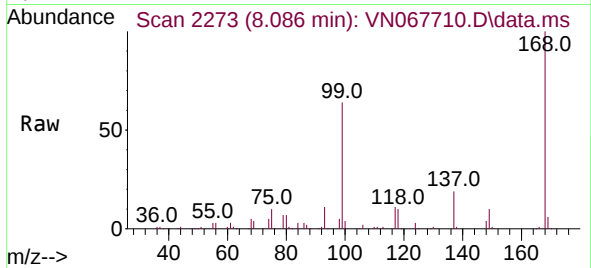




#36
1,1-Dichloropropene
Concen: 5.347 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

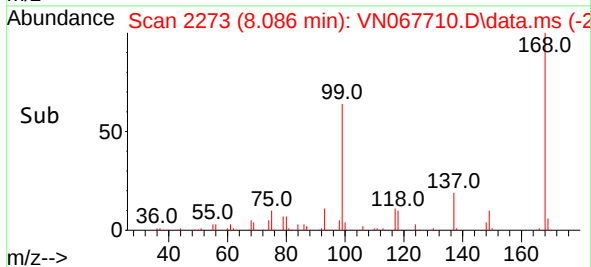
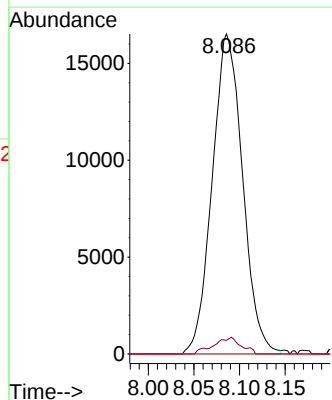
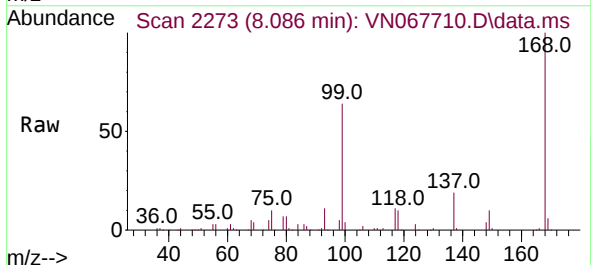
Instrument :
MSVOA_N
ClientSampled :

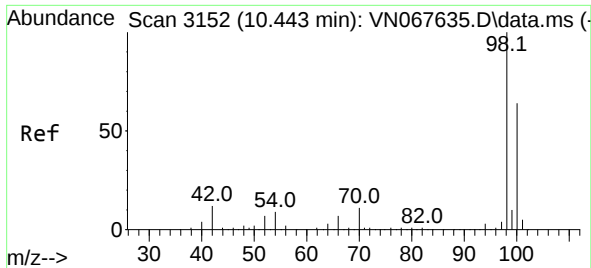
Tgt Ion: 75 Resp: 31613
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.549 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 117 Resp: 38195
Ion Ratio Lower Upper
117 100
119 4.2 75.4 113.2#
121 0.0 23.5 35.3#

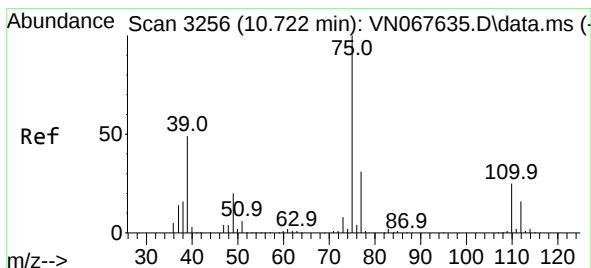
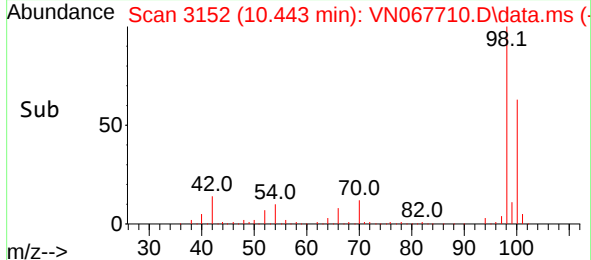
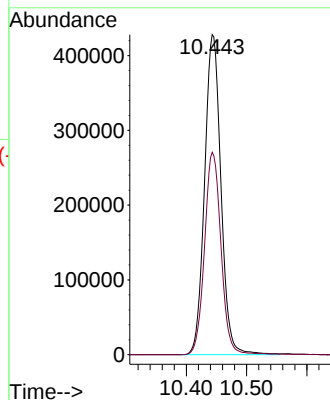
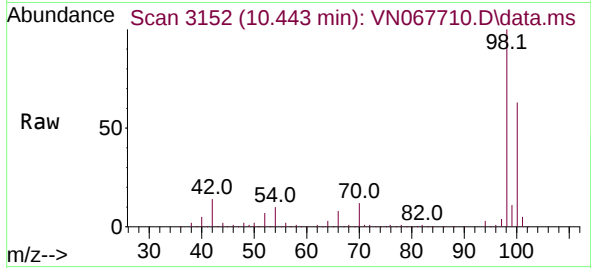




#50
Toluene-d8
Concen: 50.228 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

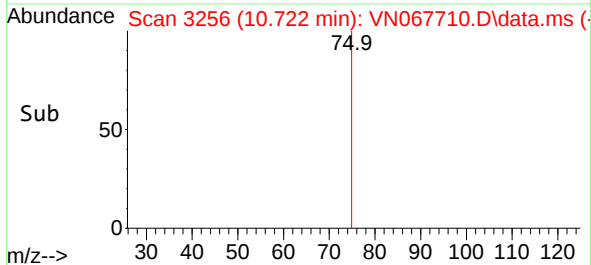
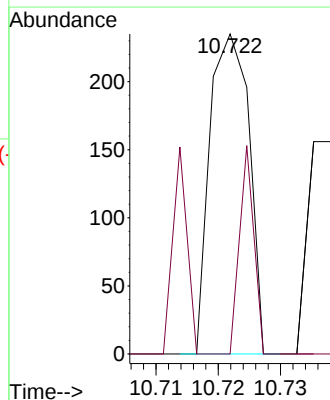
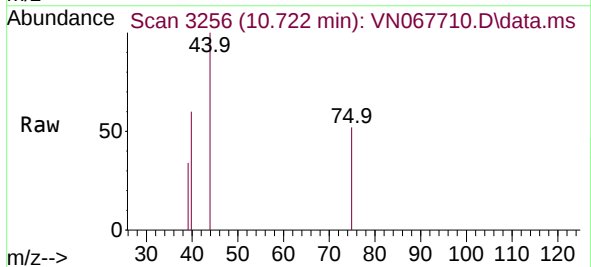
Instrument :
MSVOA_N
ClientSampled :

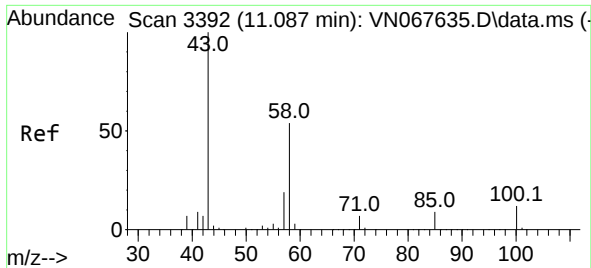
Tgt Ion: 98 Resp: 808473
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.758 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. -0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 75 Resp: 102
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

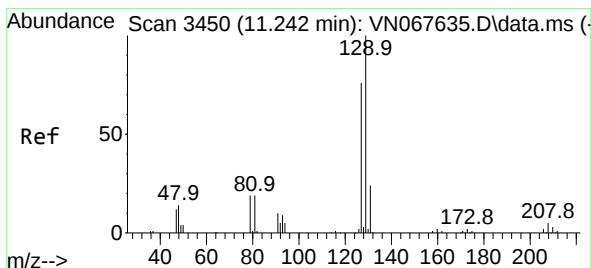
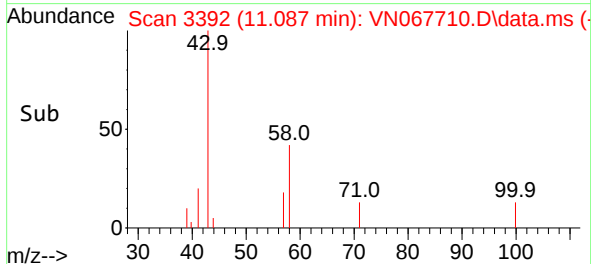
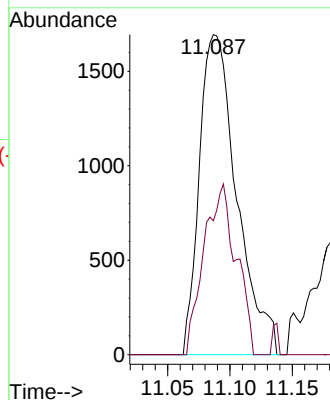
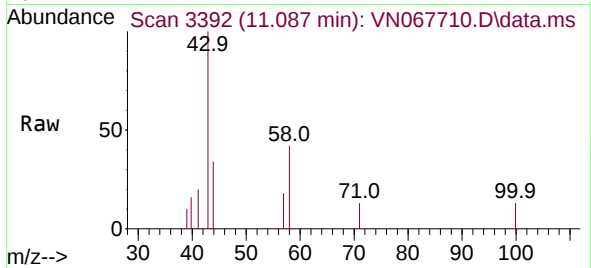




#59
2-Hexanone
Concen: 0.818 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

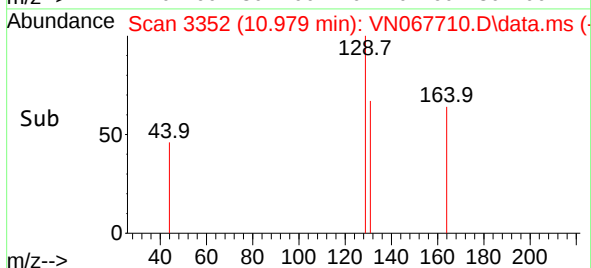
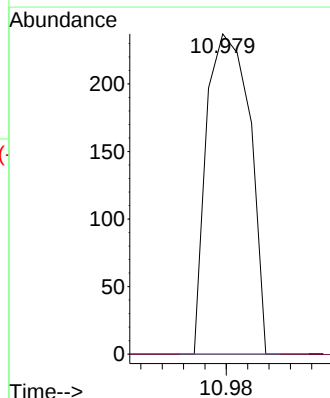
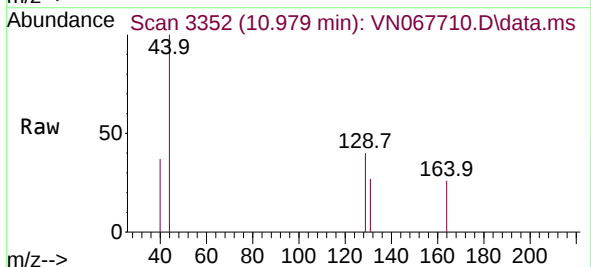
Instrument :
MSVOA_N
ClientSampleId :

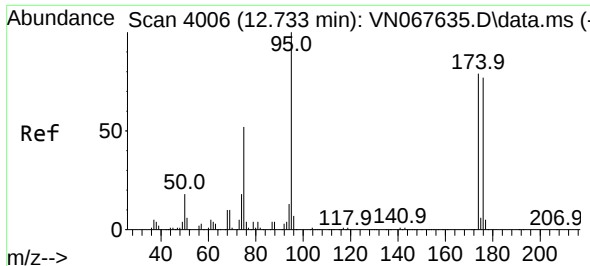
Tgt Ion: 43 Resp: 3535
Ion Ratio Lower Upper
43 100
58 45.9 24.7 74.1



#60
Dibromochloromethane
Concen: 2.380 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 129 Resp: 133
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

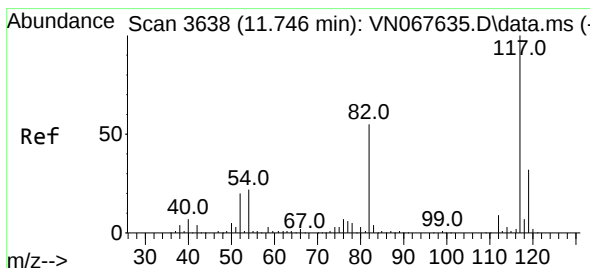
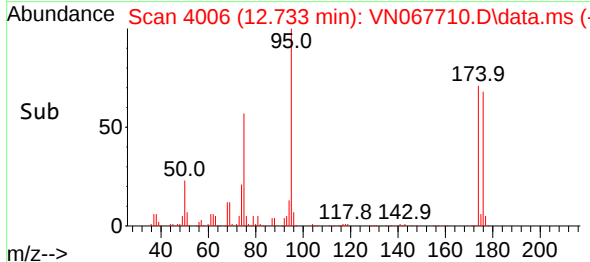
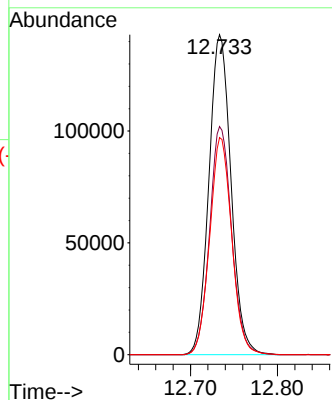
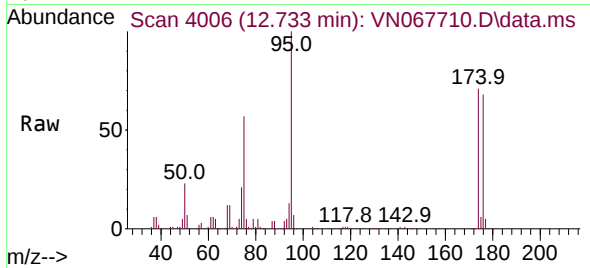




#62
4-Bromofluorobenzene
Concen: 44.406 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

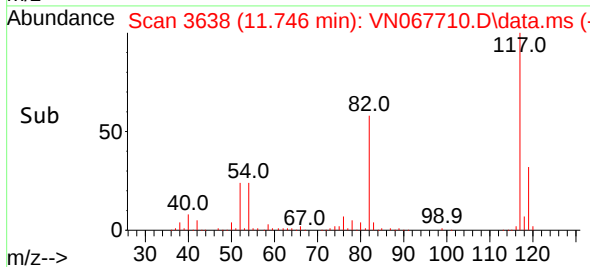
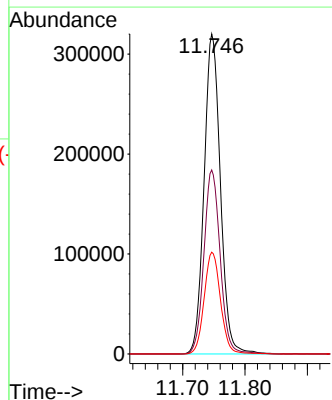
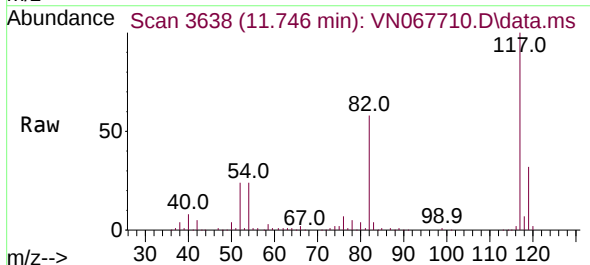
Instrument :
MSVOA_N
ClientSampleId :

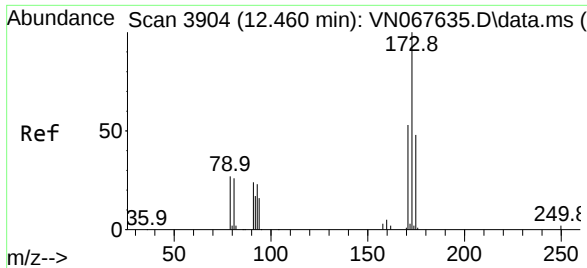
Tgt Ion: 95 Resp: 252496
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 67.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 117 Resp: 582128
Ion Ratio Lower Upper
117 100
82 57.5 53.1 79.7
119 31.8 25.5 38.3

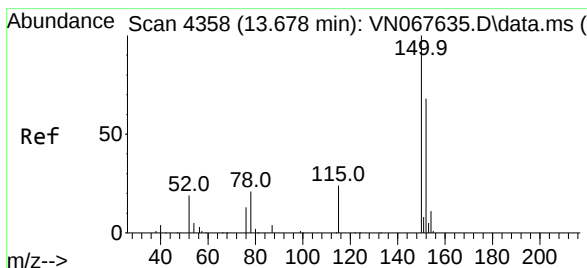
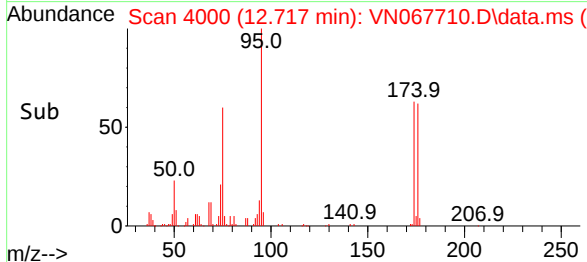
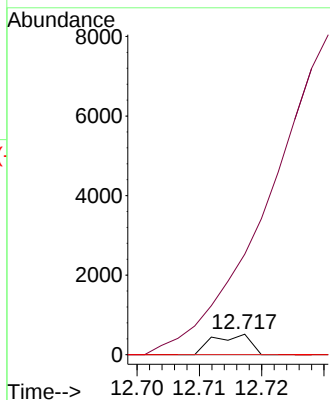
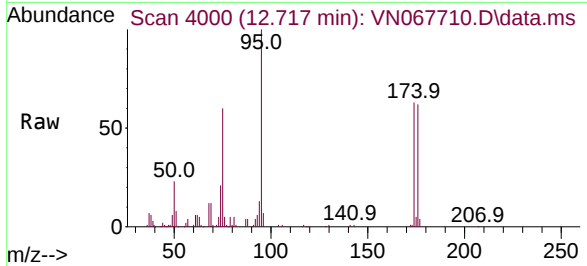




#71
Bromoform
Concen: 3.229 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

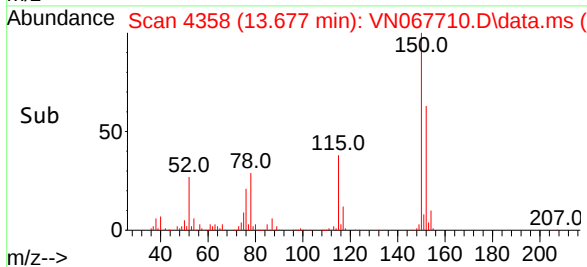
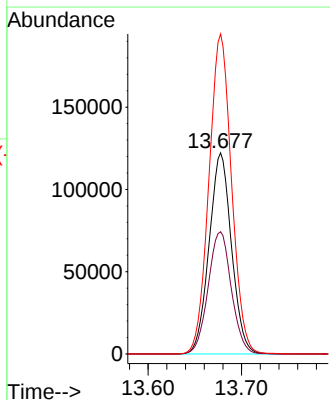
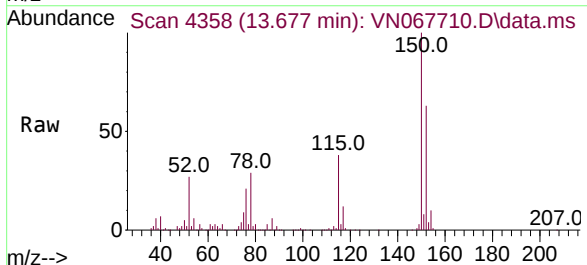
Instrument :
MSVOA_N
ClientSampleId :

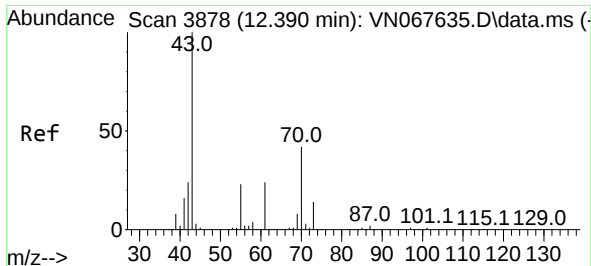
Tgt Ion:173 Resp: 213
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion:152 Resp: 203702
Ion Ratio Lower Upper
152 100
115 62.9 36.1 108.5
150 160.2 0.0 351.8

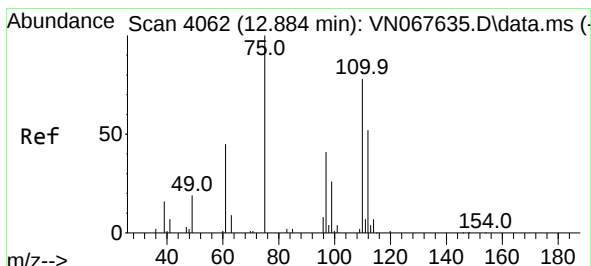
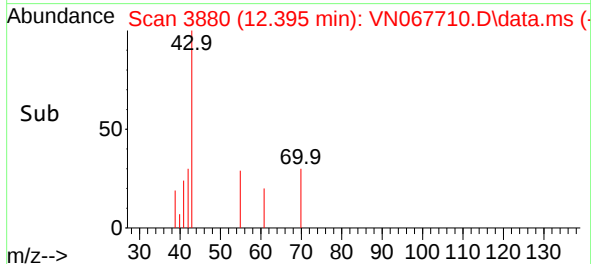
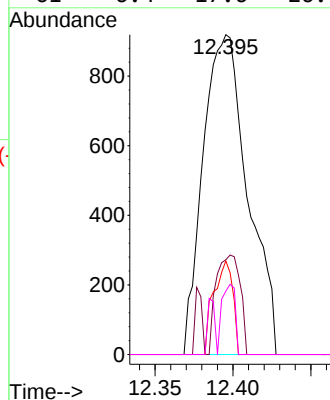
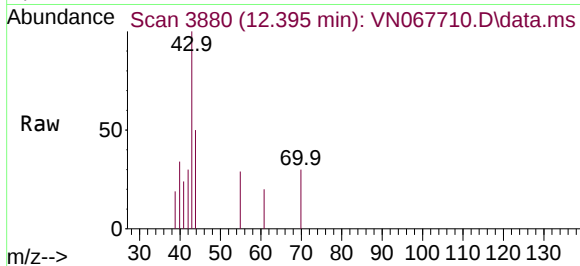




#74
N-amy1 acetate
Concen: 0.307 ug/l
RT: 12.395 min Scan# 3880
Delta R.T. 0.005 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

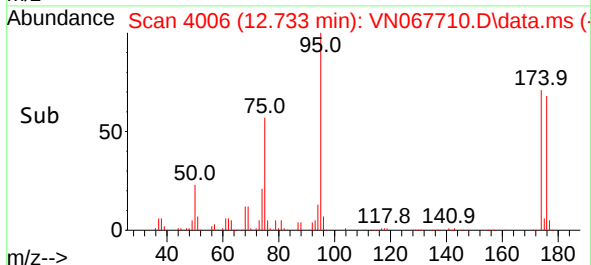
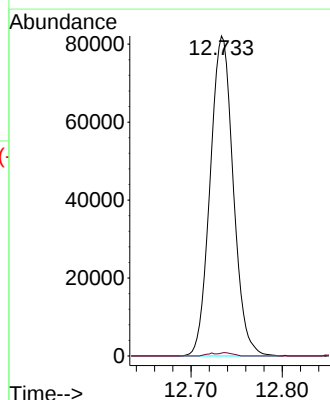
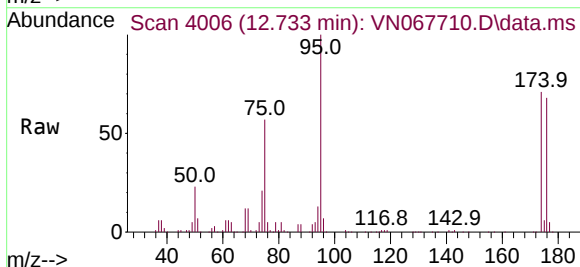
Instrument :
MSVOA_N
ClientSampleId :

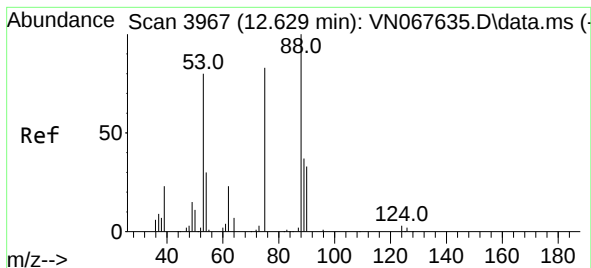
Tgt Ion: 43	Resp: 1830
Ion Ratio	Lower Upper
43 100	
70 16.7	29.4 44.2#
55 12.5	17.0 25.4#
61 6.4	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 34.750 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion: 75	Resp: 144557
Ion Ratio	Lower Upper
75 100	
77 0.6	0.0 0.0#

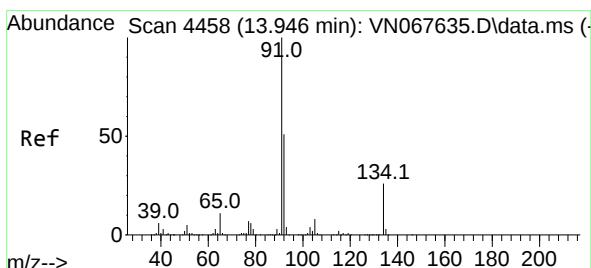
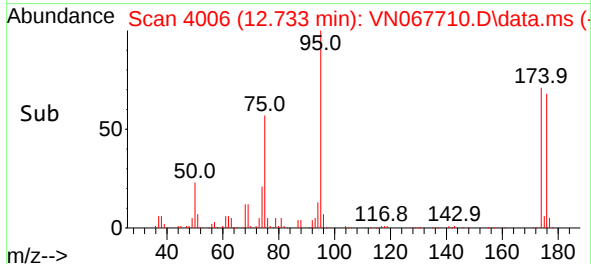
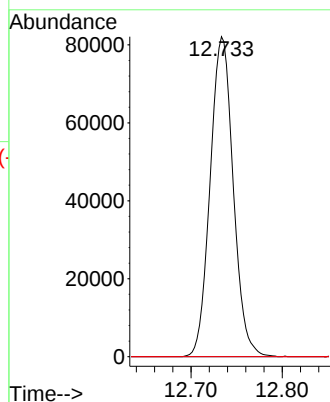
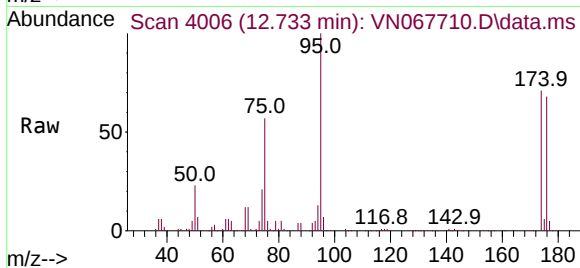




#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.036 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN067710.D
 Acq: 13 Jul 2021 11:37

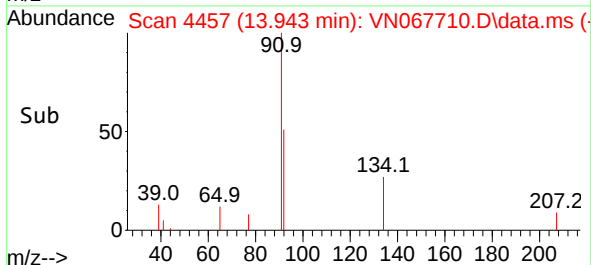
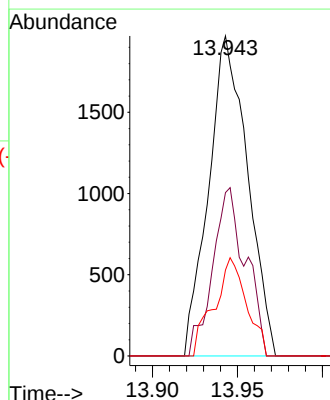
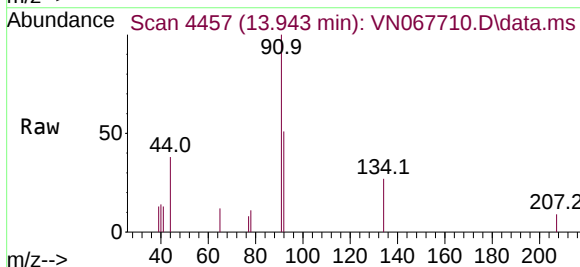
Instrument :
 MSVOA_N
 ClientSampled :

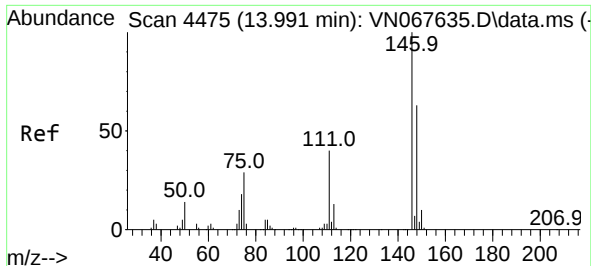
Tgt Ion: 75 Resp: 144557
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#



#89
 n-Butylbenzene
 Concen: 0.288 ug/l
 RT: 13.943 min Scan# 4457
 Delta R.T. -0.003 min
 Lab File: VN067710.D
 Acq: 13 Jul 2021 11:37

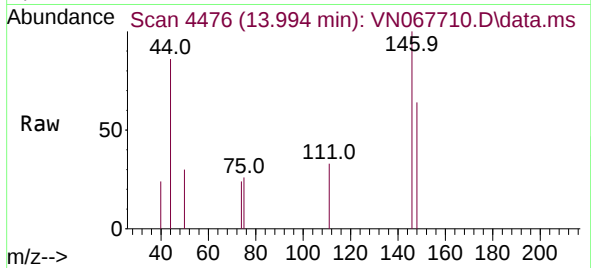
Tgt Ion: 91 Resp: 3136
 Ion Ratio Lower Upper
 91 100
 92 44.5 25.7 77.1
 134 25.7 11.2 33.6



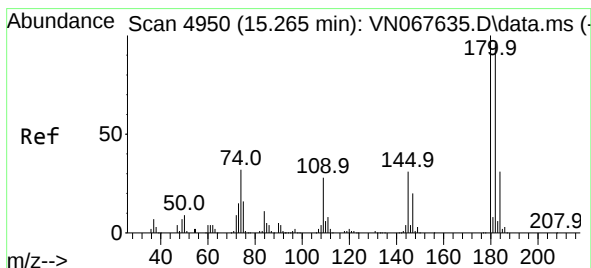
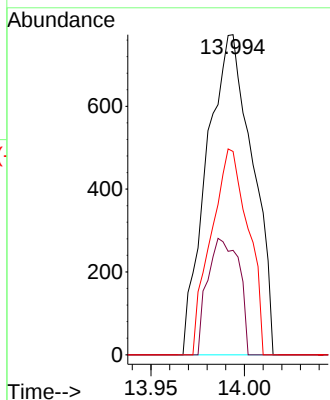
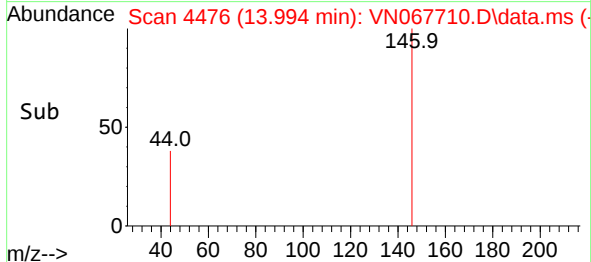


#91
1,2-Dichlorobenzene
Concen: 0.202 ug/l
RT: 13.994 min Scan# 4476
Delta R.T. 0.003 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

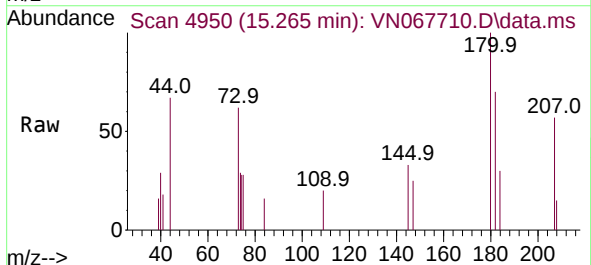
Instrument :
MSVOA_N
ClientSampled :



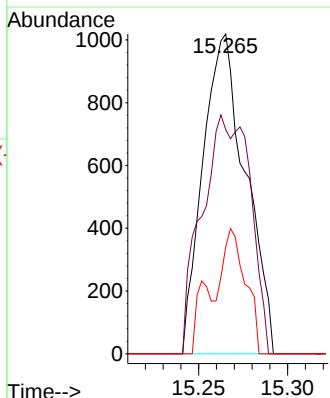
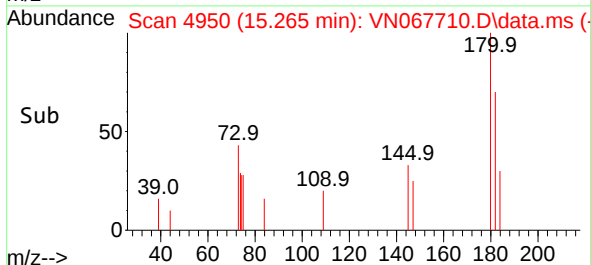
Tgt Ion:146 Resp: 1319
Ion Ratio Lower Upper
146 100
111 24.9 24.9 74.6
148 52.0 31.6 95.0

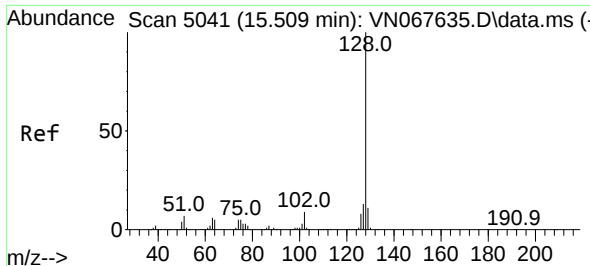


#93
1,2,4-Trichlorobenzene
Concen: 3.149 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37



Tgt Ion:180 Resp: 1700
Ion Ratio Lower Upper
180 100
182 51.2 47.5 142.5
145 22.9 17.2 51.6

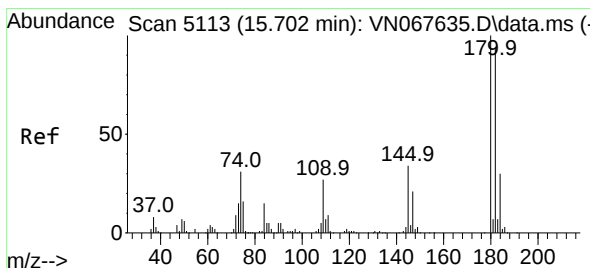
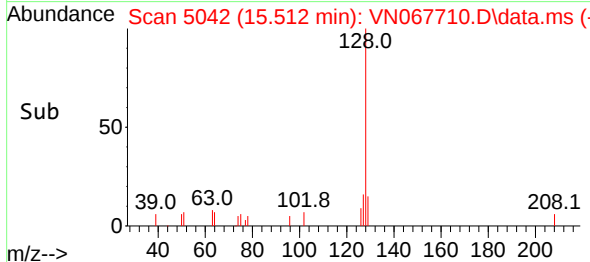
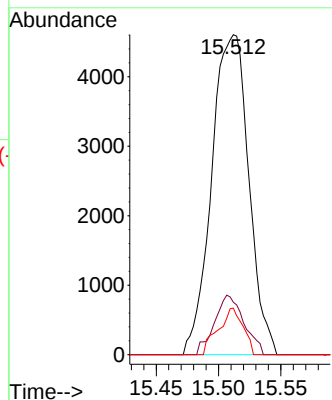
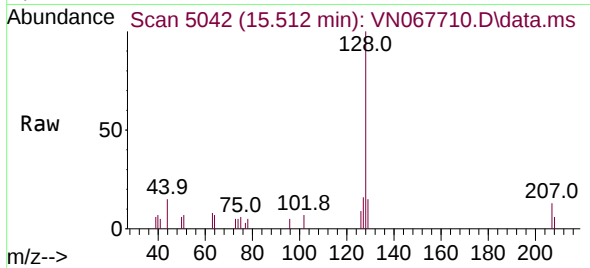




#95
Naphthalene
Concen: 3.911 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	9536
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.6	15.8
129	9.7	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.228 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067710.D
Acq: 13 Jul 2021 11:37

Tgt Ion:	180	Resp:	2046
Ion Ratio	Lower	Upper	
180	100		
182	102.1	47.8	143.3
145	32.6	18.2	54.6

