

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080321\
 Data File : VN067990.D
 Acq On : 3 Aug 2021 18:38
 Operator : JC/MD
 Sample : M3242-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 04 03:41:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

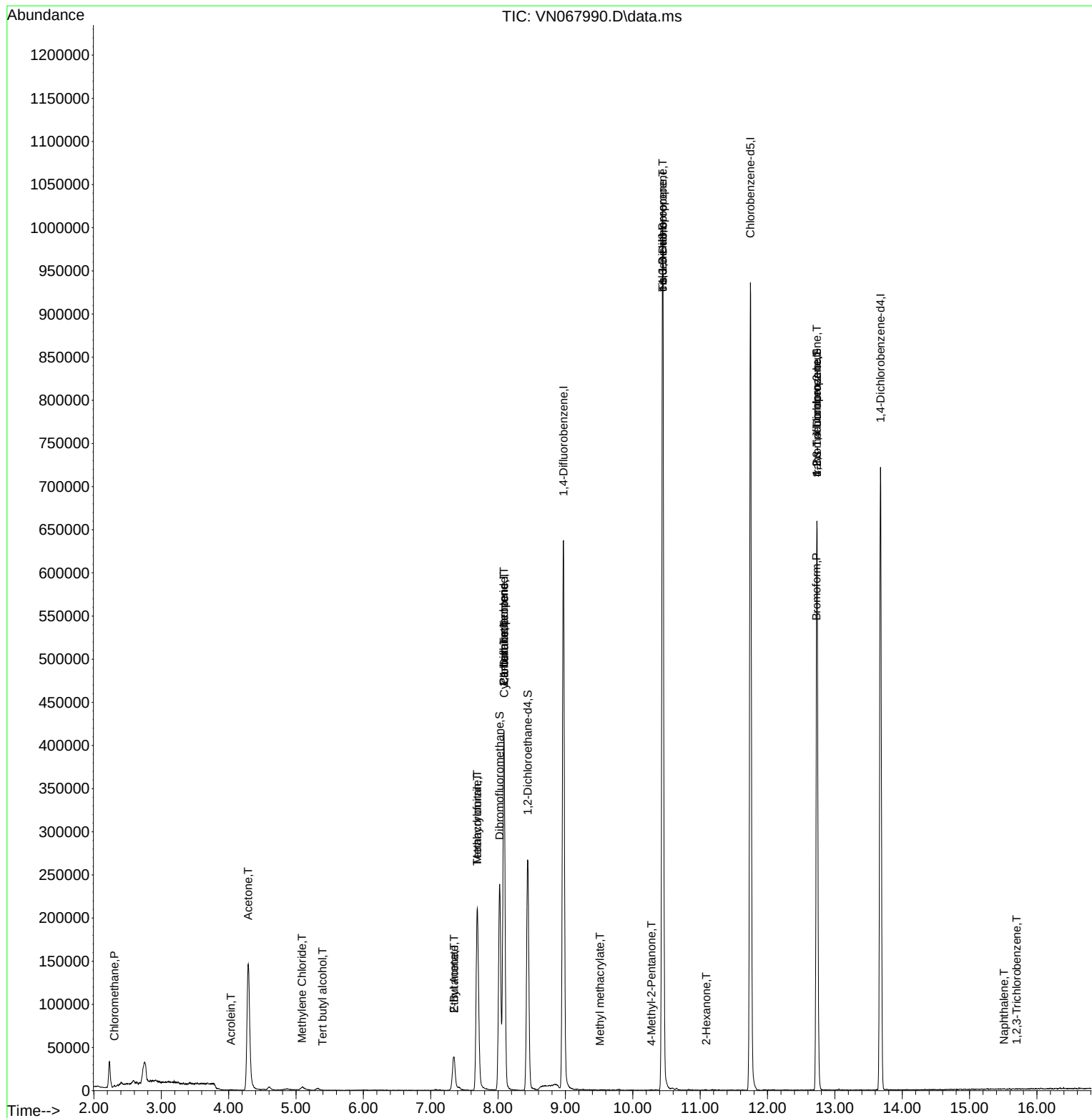
Internal Standards						
1) Pentafluorobenzene	8.086	168	295784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	561988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	542278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	190119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	230822	55.124	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.240%			
35) Dibromofluoromethane	8.024	113	174701	53.341	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.680%			
50) Toluene-d8	10.443	98	716906	47.628	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.260%			
62) 4-Bromofluorobenzene	12.733	95	231672	42.683	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.360%			
Target Compounds						Qvalue
3) Chloromethane	2.303	50	1204	0.320	ug/l	98
11) Tert butyl alcohol	5.393	59	148	0.264	ug/l #	71
13) Acrolein	4.036	56	188	0.494	ug/l #	78
16) Acetone	4.291	43	277364	181.539	ug/l	96
20) Methylene Chloride	5.090	84	2012	0.288	ug/l #	65
25) 2-Butanone	7.348	43	54619	24.641	ug/l	98
29) Tetrahydrofuran	7.689	42	159837	112.608	ug/l	93
31) Cyclohexane	8.091	56	7802	1.263	ug/l #	32
36) 1,1-Dichloropropene	8.088	75	26327	5.065	ug/l #	49
37) Ethyl Acetate	7.348	43	54619	11.164	ug/l #	70
38) Carbon Tetrachloride	8.086	117	33969	6.645	ug/l #	16
41) Methacrylonitrile	7.691	41	99663	42.763	ug/l #	48
48) Methyl methacrylate	9.512	41	25	2.311	ug/l #	12
51) 4-Methyl-2-Pentanone	10.277	43	168	12.594	ug/l #	39
53) t-1,3-Dichloropropene	10.443	75	103	2.848	ug/l #	82
54) cis-1,3-Dichloropropene	10.443	75	103	2.369	ug/l #	1
59) 2-Hexanone	11.092	43	477	13.395	ug/l #	43
71) Bromoform	12.725	173	221	4.089	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	129682	33.965	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	129682	91.049	ug/l #	6
95) Naphthalene	15.509	128	838	3.219	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	97	2.402	ug/l #	12

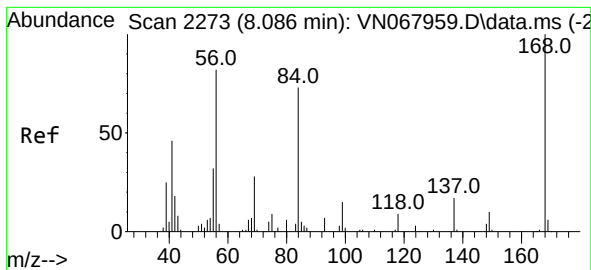
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.000 min

Lab File: VN067990.D

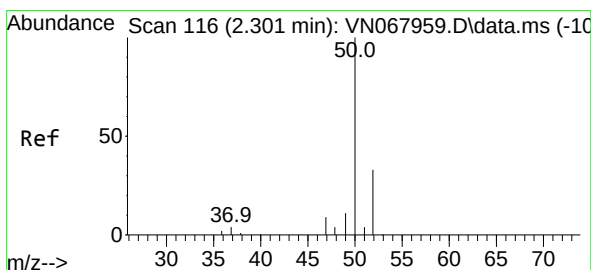
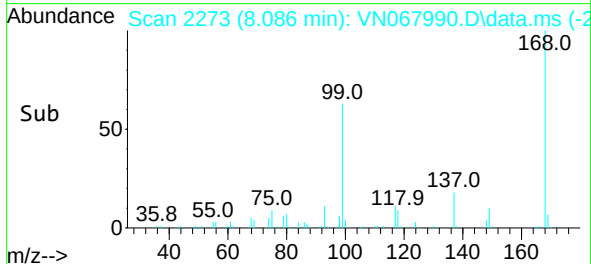
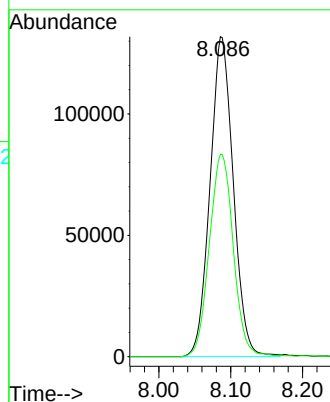
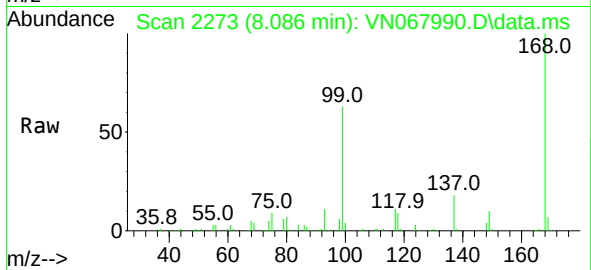
Acq: 3 Aug 2021 18:38

Tgt Ion:168 Resp: 295784

Ion Ratio Lower Upper

168 100

99 63.2 62.9 94.3



#3

Chloromethane

Concen: 0.320 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

Lab File: VN067990.D

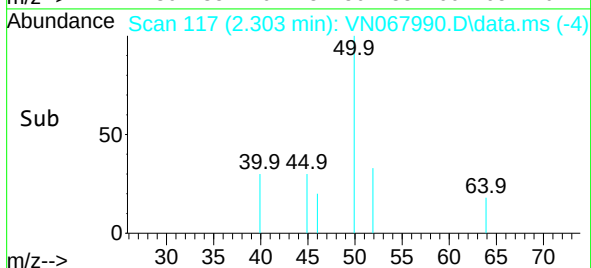
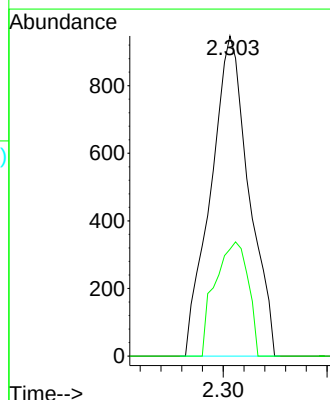
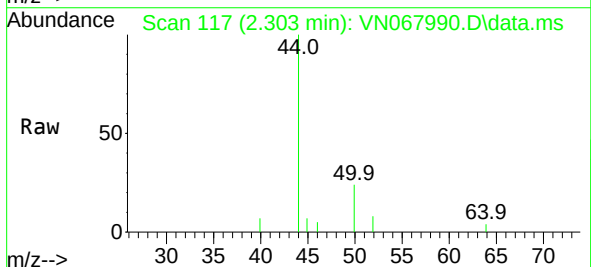
Acq: 3 Aug 2021 18:38

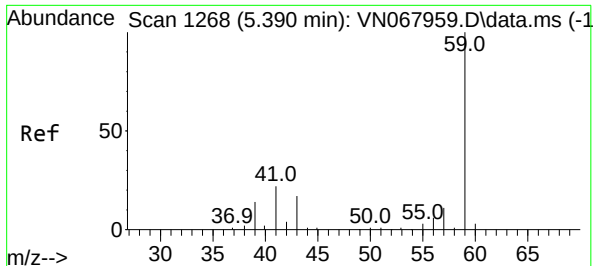
Tgt Ion: 50 Resp: 1204

Ion Ratio Lower Upper

50 100

52 33.4 25.6 38.4



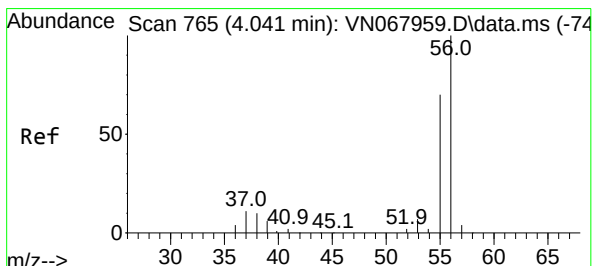
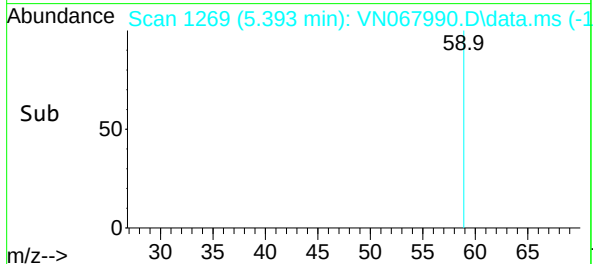
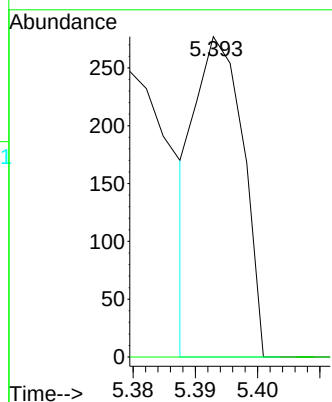
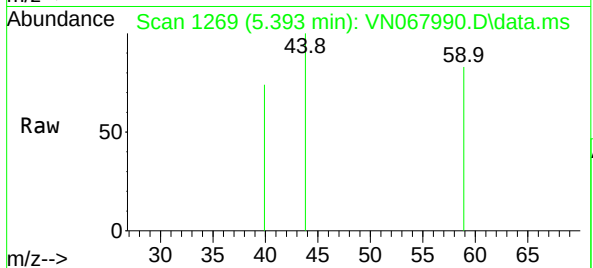


#11

Tert butyl alcohol
Concen: 0.264 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

Instrument :
MSVOA_N
ClientSampled :

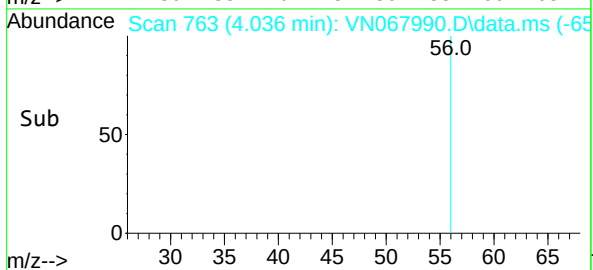
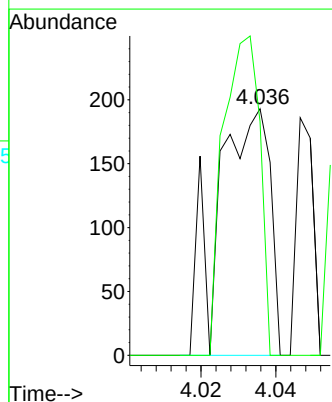
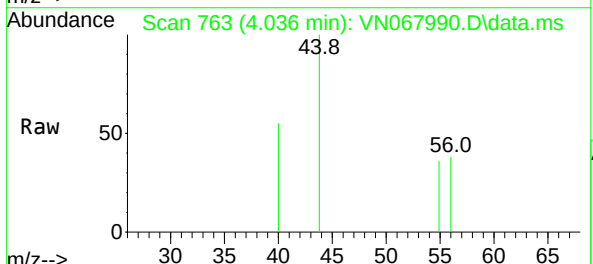
Tgt Ion: 59 Resp: 148
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

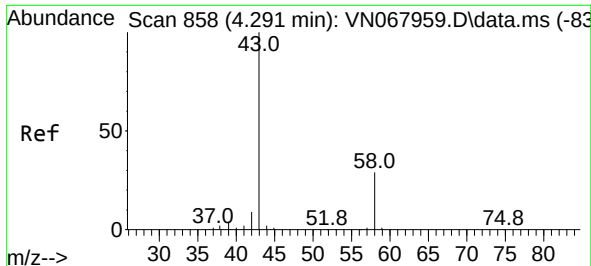


#13

Acrolein
Concen: 0.494 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

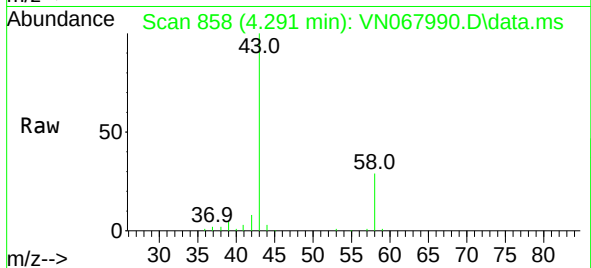
Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 89.9 57.4 86.0#



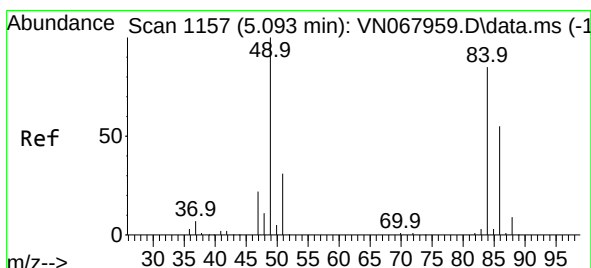
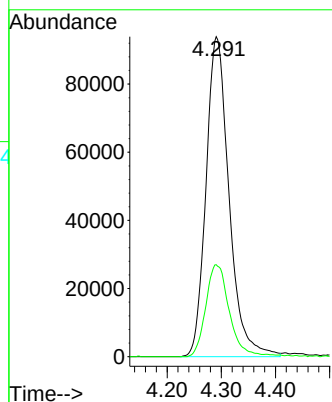
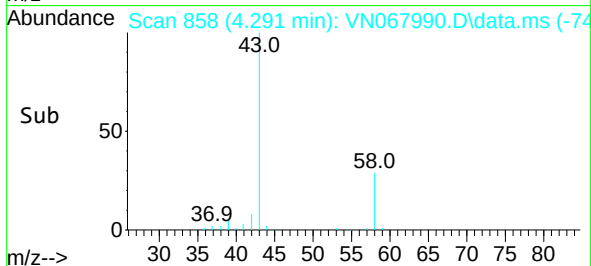


#16
Acetone
Concen: 181.539 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

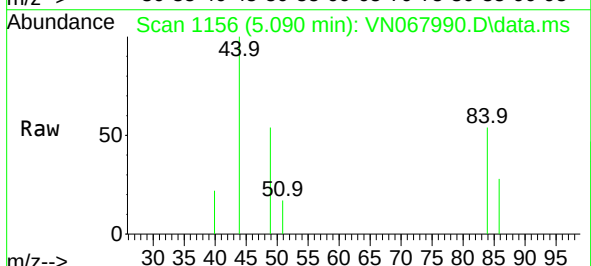
Instrument :
MSVOA_N
ClientSampled :



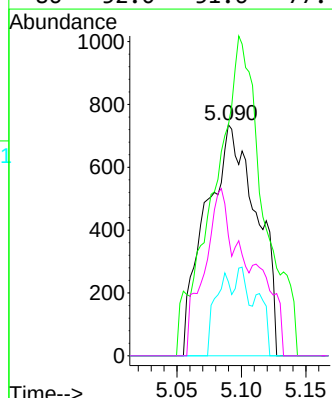
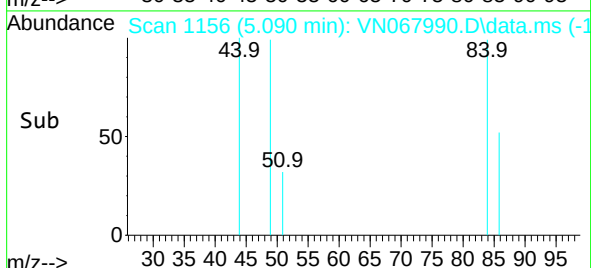
Tgt Ion: 43 Resp: 277364
Ion Ratio Lower Upper
43 100
58 28.7 21.2 31.8

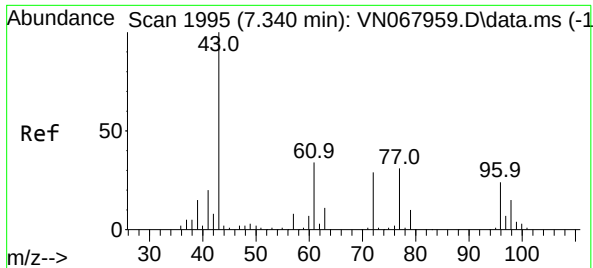


#20
Methylene Chloride
Concen: 0.288 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.003 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38



Tgt Ion: 84 Resp: 2012
Ion Ratio Lower Upper
84 100
49 77.0 110.9 166.3#
51 32.1 32.6 49.0#
86 52.0 51.6 77.4

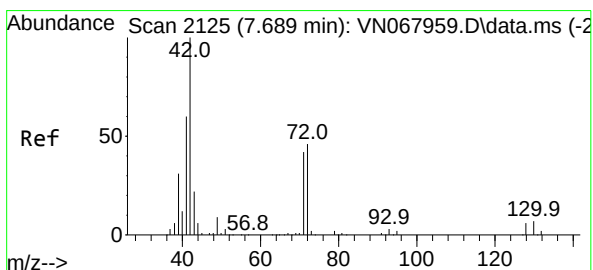
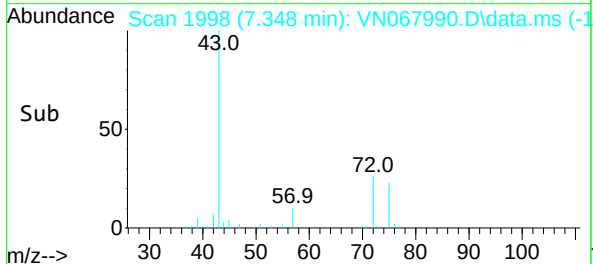
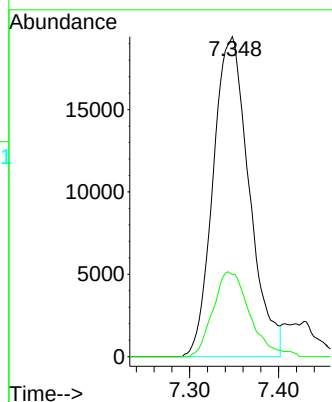
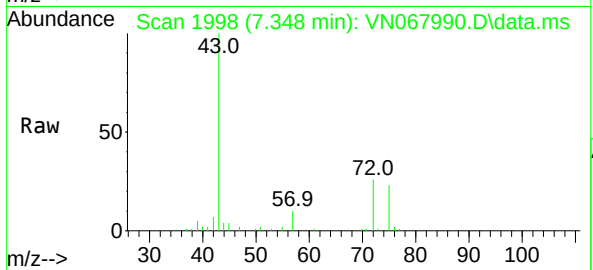




#25
2-Butanone
Concen: 24.641 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

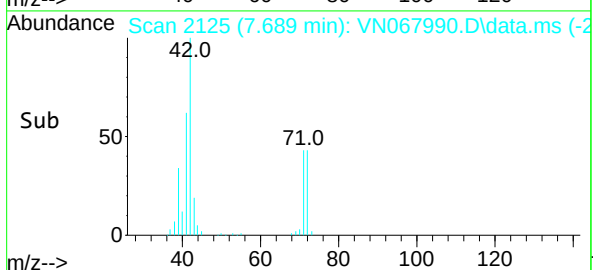
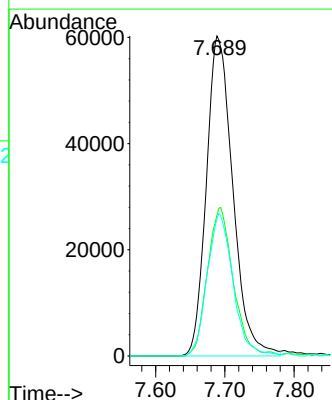
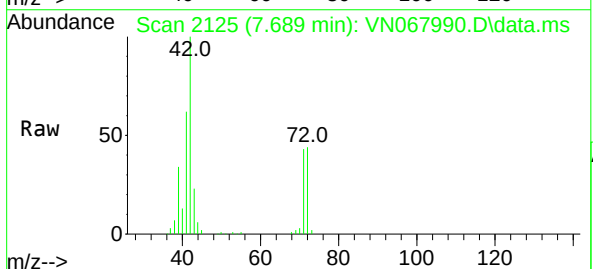
Instrument :
MSVOA_N
ClientSampled :

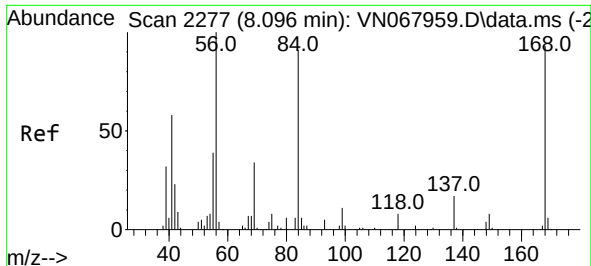
Tgt Ion: 43 Resp: 54619
Ion Ratio Lower Upper
43 100
72 25.8 19.7 29.5



#29
Tetrahydrofuran
Concen: 112.608 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. -0.000 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

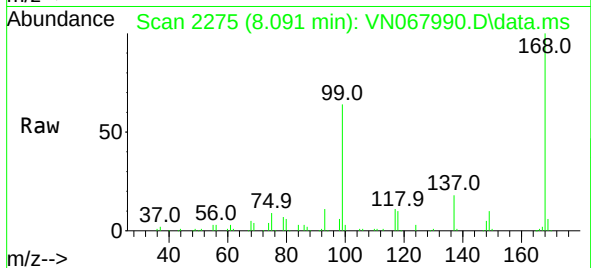
Tgt Ion: 42 Resp: 159837
Ion Ratio Lower Upper
42 100
72 45.0 32.8 49.2
71 43.4 31.2 46.8



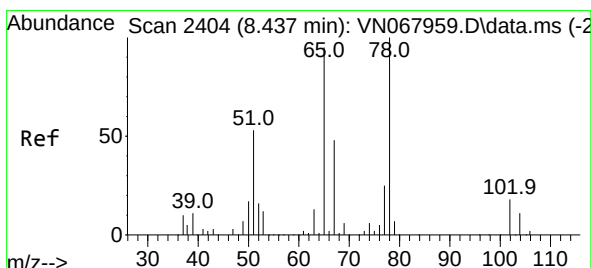
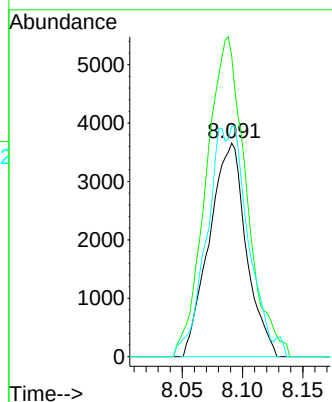
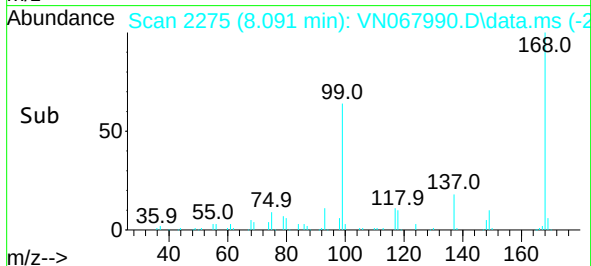


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

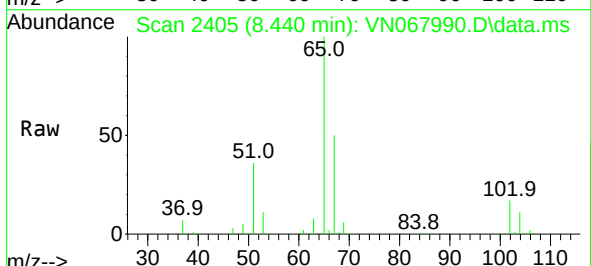
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MSVOA_N
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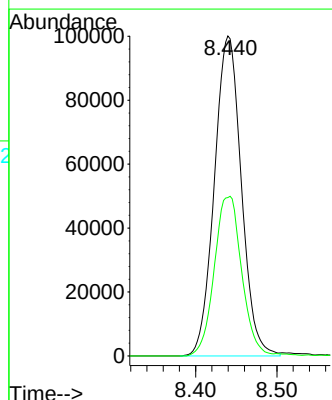
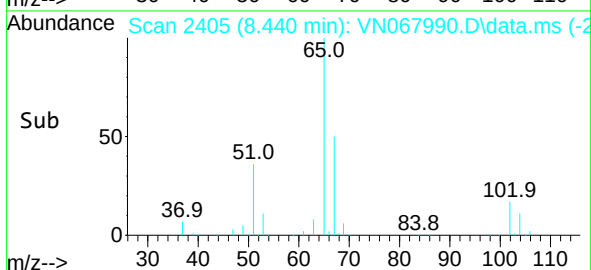
Tgt Ion: 56 Resp: 7802
Ion Ratio Lower Upper
56 100
69 133.4 27.3 40.9#
84 101.7 64.9 97.3#

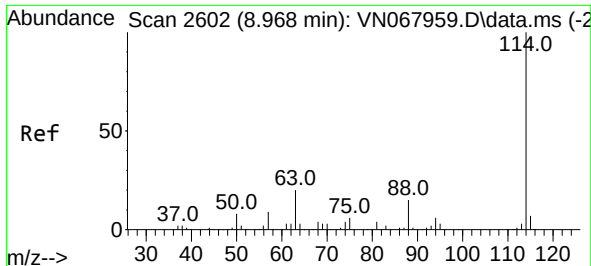


#33
1,2-Dichloroethane-d4
Concen: 55.124 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38



Tgt Ion: 65 Resp: 230822
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6

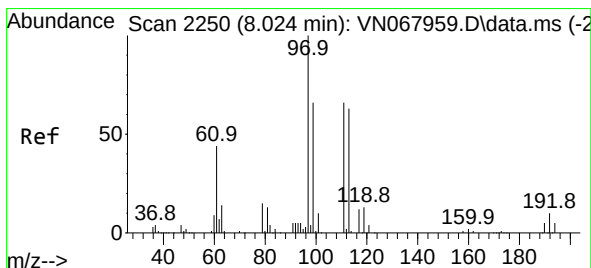
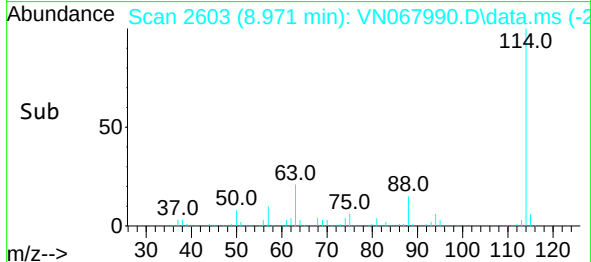
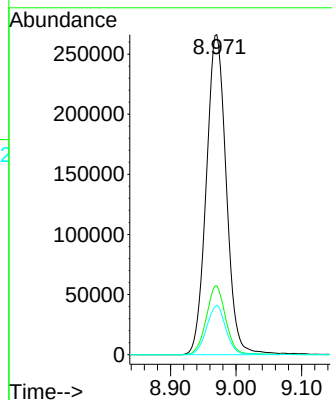
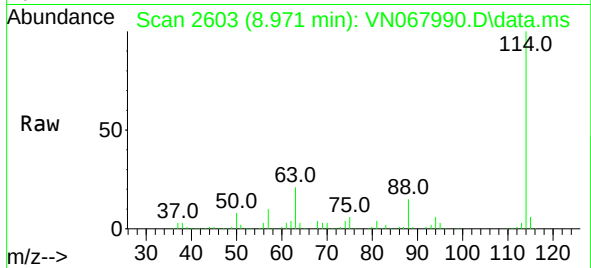




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

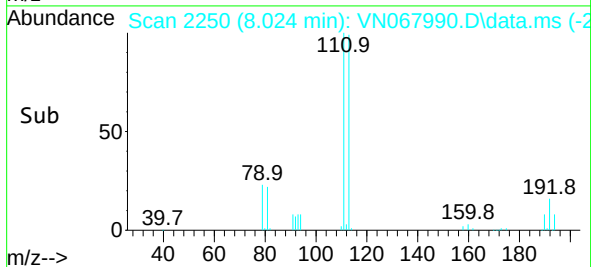
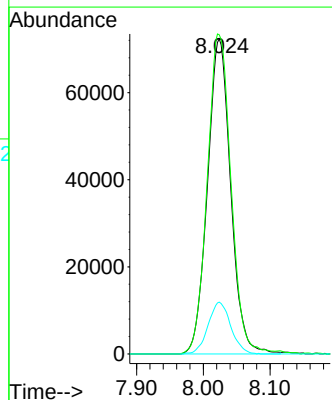
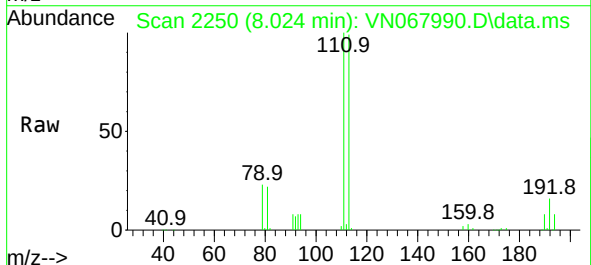
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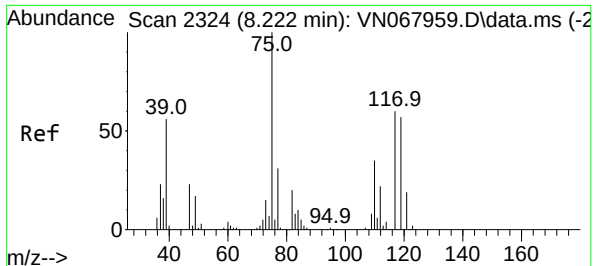
Tgt Ion:114 Resp: 561988
Ion Ratio Lower Upper
114 100
63 21.5 0.0 49.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.341 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

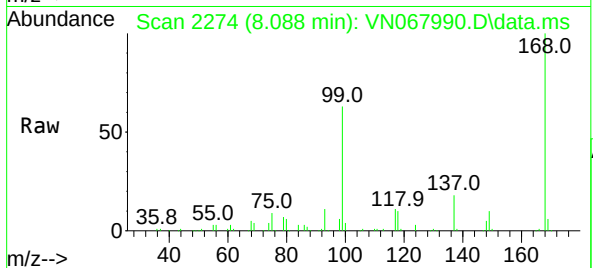
Tgt Ion:113 Resp: 174701
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 16.1 13.4 20.0



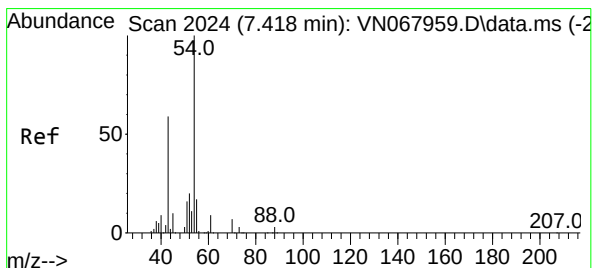
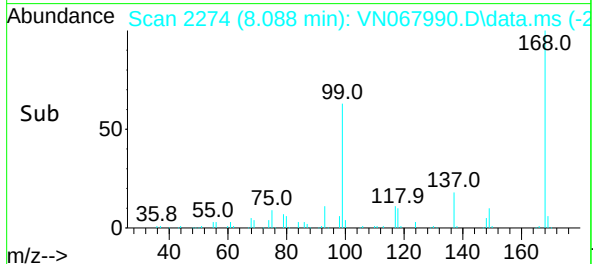
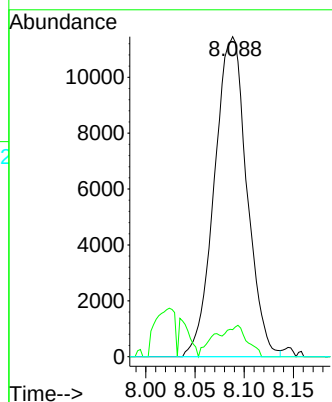


#36
 1,1-Dichloropropene
 Concen: 5.065 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN067990.D
 Acq: 3 Aug 2021 18:38

Instrument :
 MSVOA_N
 ClientSampled :

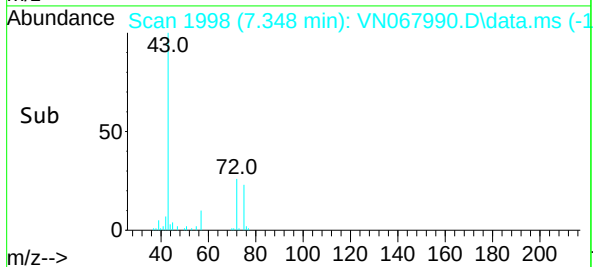
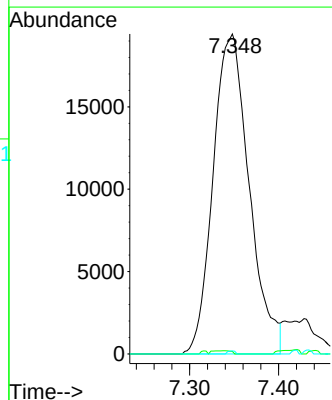
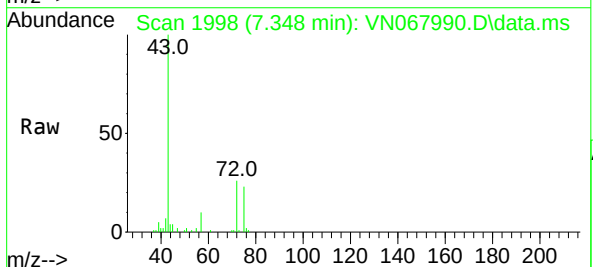


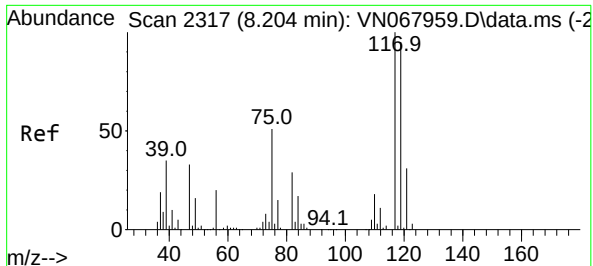
Tgt Ion: 75 Resp: 26327
 Ion Ratio Lower Upper
 75 100
 110 6.2 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 11.164 ug/l
 RT: 7.348 min Scan# 1998
 Delta R.T. -0.070 min
 Lab File: VN067990.D
 Acq: 3 Aug 2021 18:38

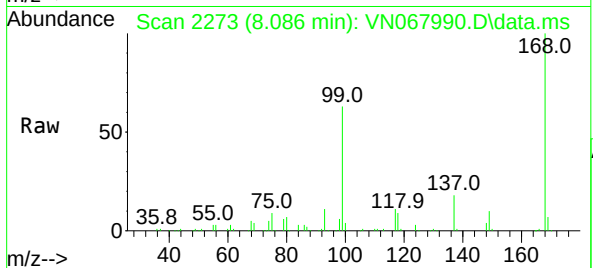
Tgt Ion: 43 Resp: 54619
 Ion Ratio Lower Upper
 43 100
 61 0.5 10.6 16.0#
 70 0.0 8.1 12.1#



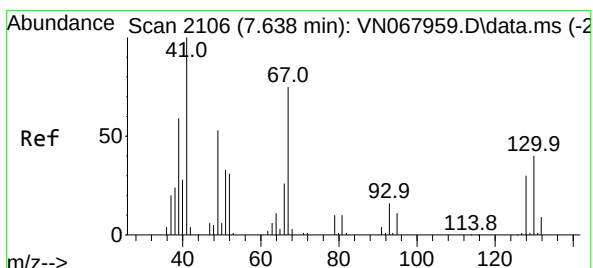
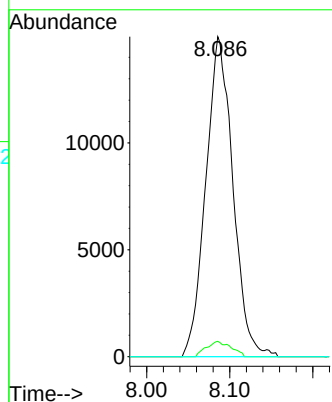
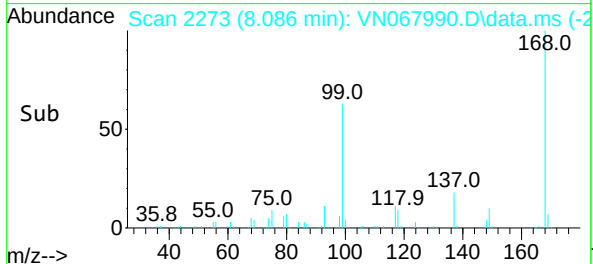


#38
Carbon Tetrachloride
Concen: 6.645 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

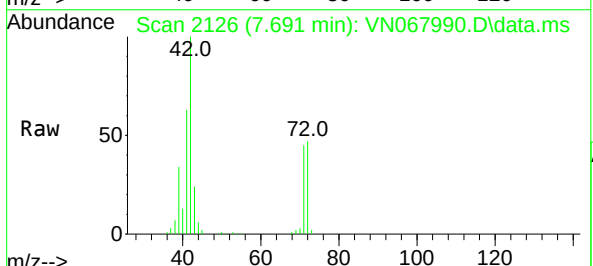
Instrument :
MSVOA_N
ClientSampled :



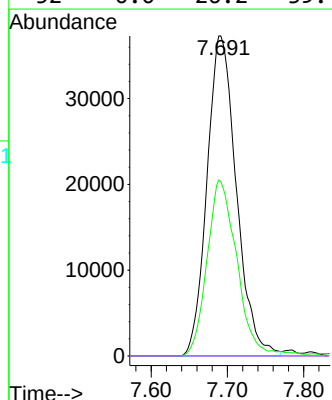
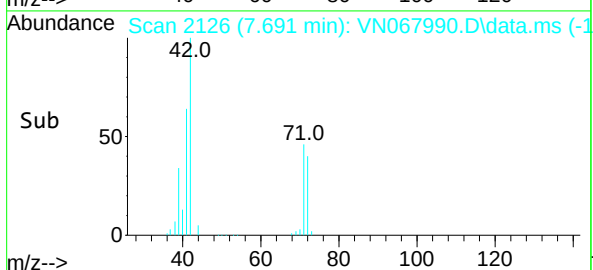
Tgt Ion:117 Resp: 33969
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 23.5 35.3#

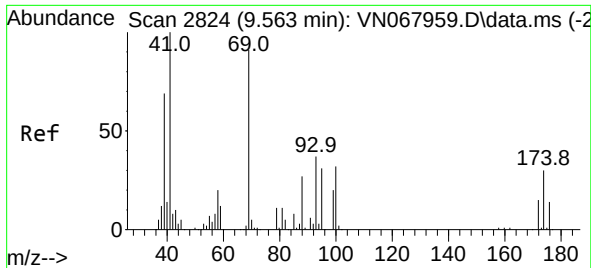


#41
Methacrylonitrile
Concen: 42.763 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.053 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38



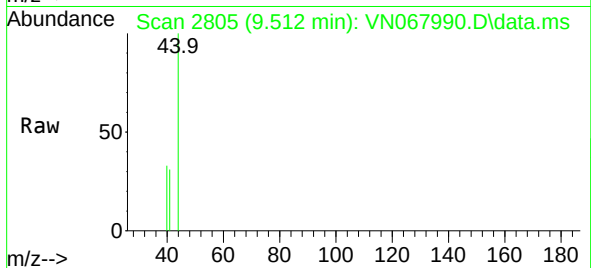
Tgt Ion: 41 Resp: 99663
Ion Ratio Lower Upper
41 100
39 55.2 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#



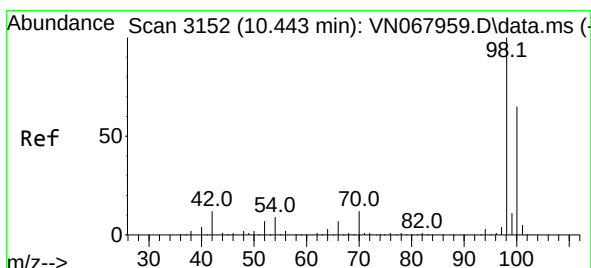
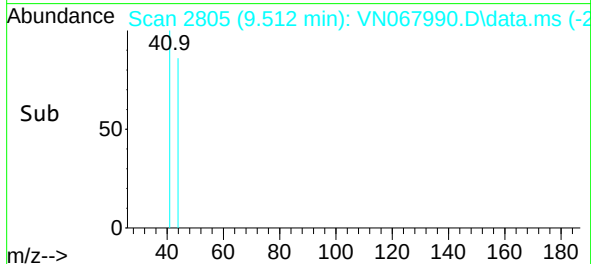
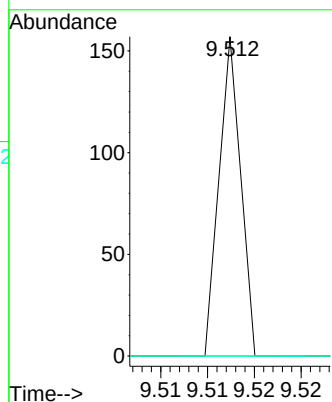


#48
Methyl methacrylate
Concen: 2.311 ug/l
RT: 9.512 min Scan# 2805
Delta R.T. -0.051 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

Instrument :
MSVOA_N
ClientSampled :

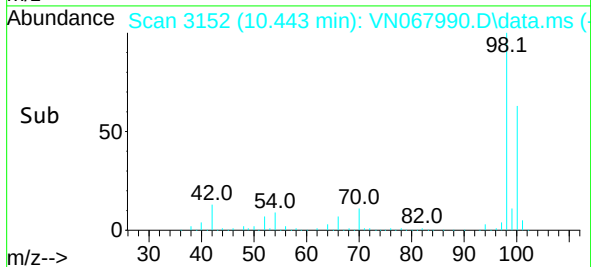
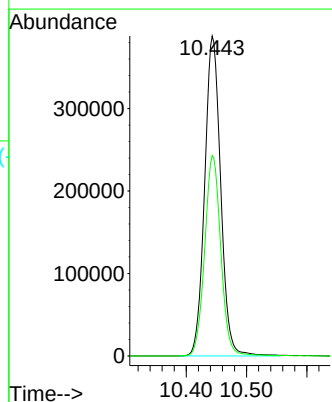
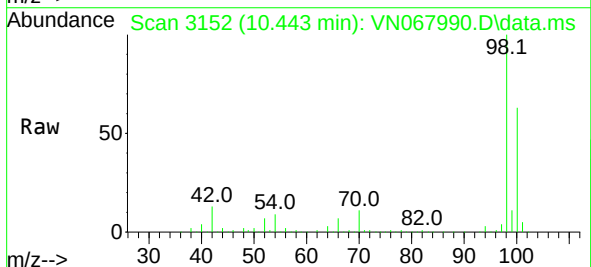


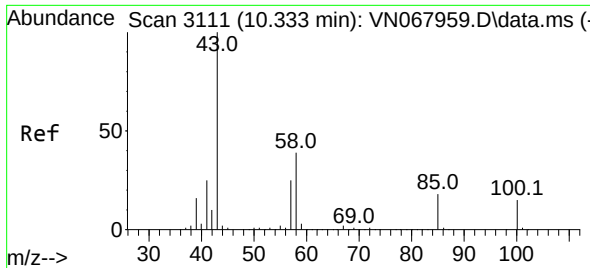
Tgt Ion: 41 Resp: 25
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 47.628 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

Tgt Ion: 98 Resp: 716906
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5

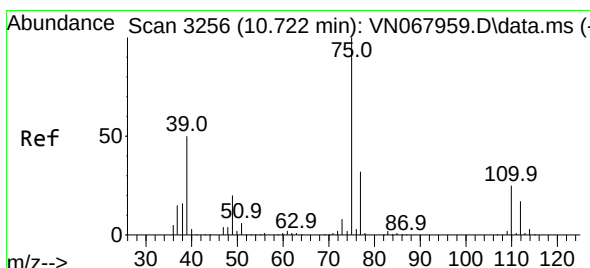
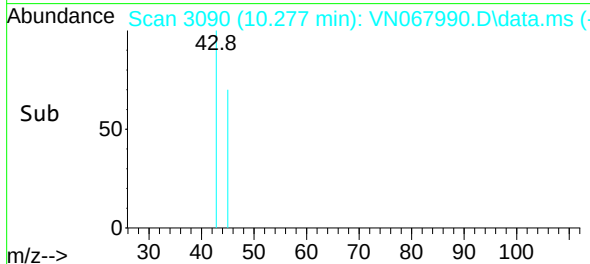
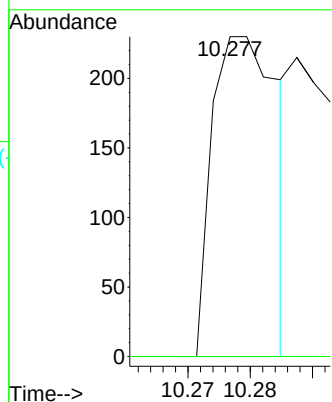
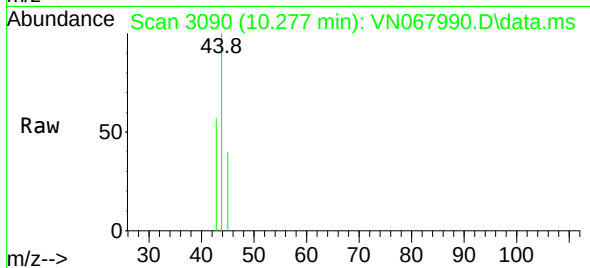




```
#51
4-Methyl-2-Pentanone
Concen: 12.594 ug/l
RT: 10.277 min Scan# 3090
Delta R.T. -0.056 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38
```

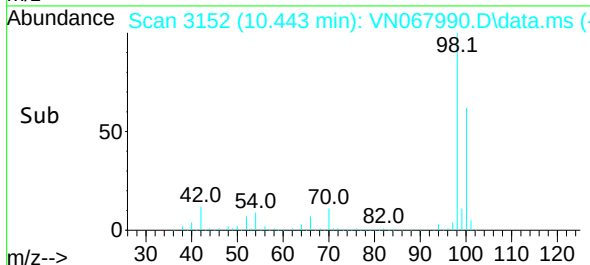
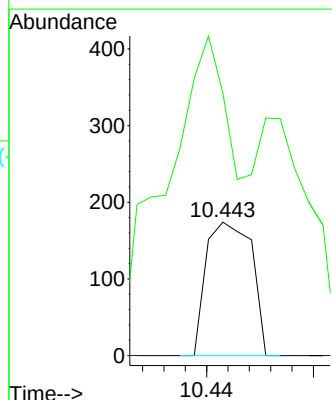
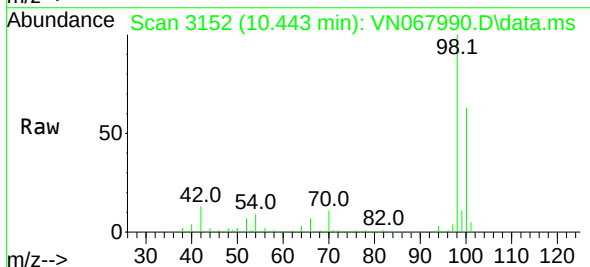
Instrument :
MSVOA_N
ClientSampleId :

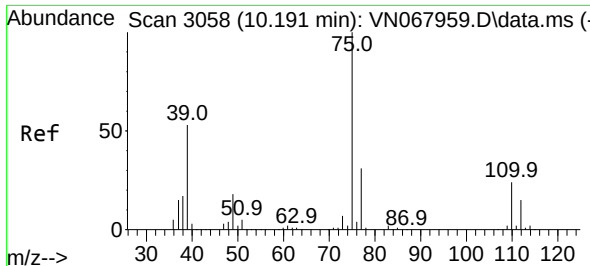
Tgt	Ion: 43	Resp:	168
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	43.0#



```
#53
t-1,3-Dichloropropene
Concen:      2.848 ug/l
RT:  10.443 min Scan# 3152
Delta R.T.   -0.279 min
Lab File:    VN067990.D
Acq:  3 Aug 2021  18:38
```

Tgt	Ion: 75	Resp:	103
Ion	Ratio	Lower	Upper
75	100		
77	41.4	25.1	37.7#

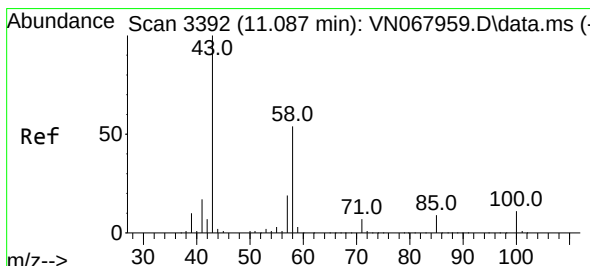
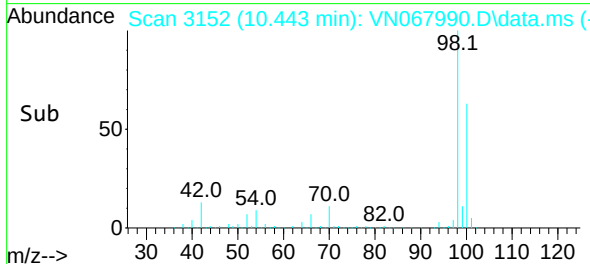
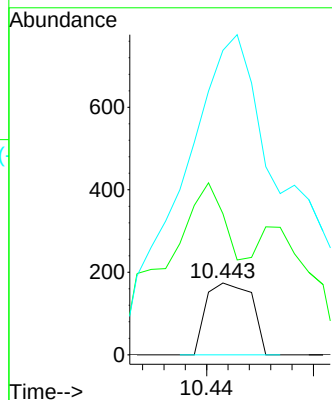
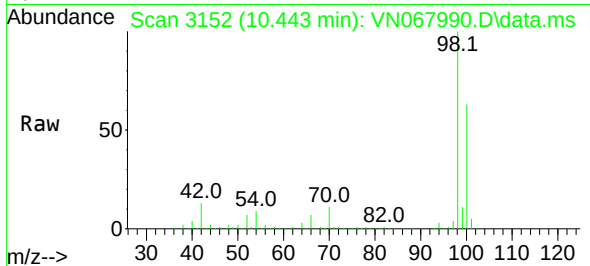




#54
cis-1,3-Dichloropropene
Concen: 2.369 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.252 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

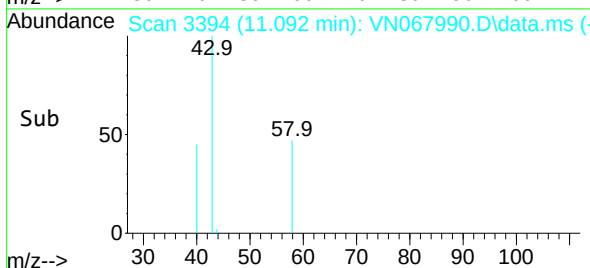
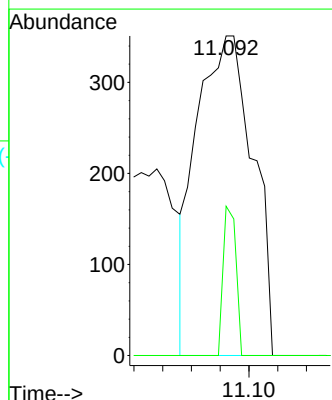
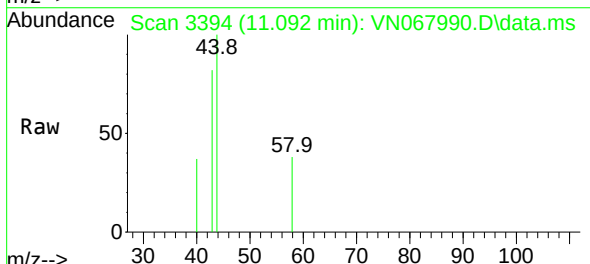
Instrument :
MSVOA_N
ClientSampleId :

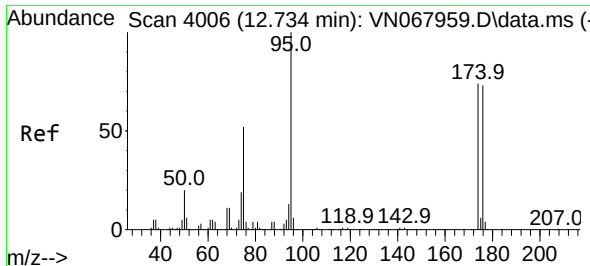
Tgt Ion: 75 Resp: 103
Ion Ratio Lower Upper
75 100
77 41.4 24.6 37.0#
39 199.4 50.7 76.1#



#59
2-Hexanone
Concen: 13.395 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
58 10.7 24.7 74.1#

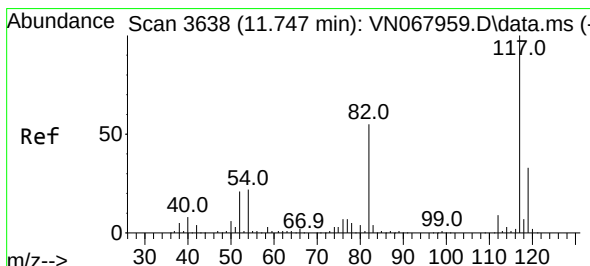
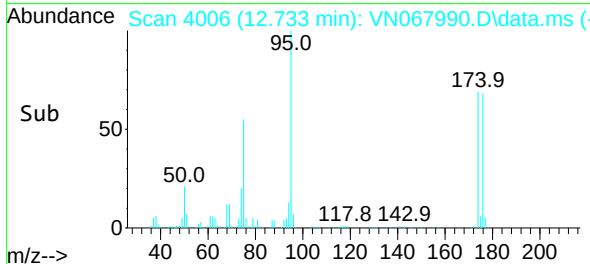
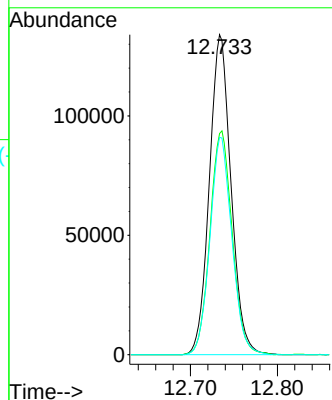
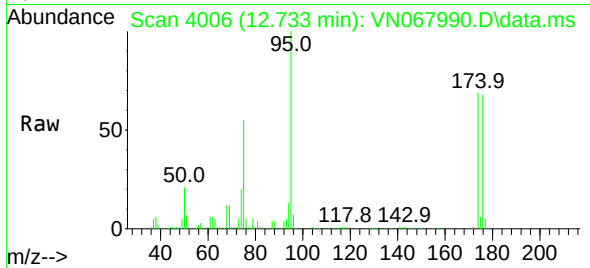




#62
4-Bromofluorobenzene
Concen: 42.683 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

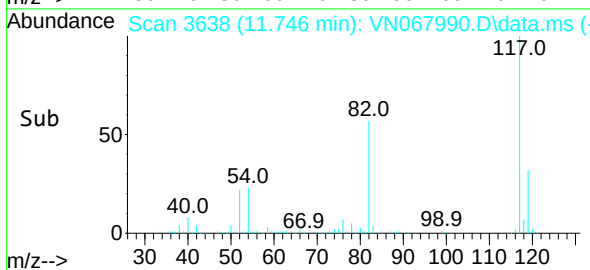
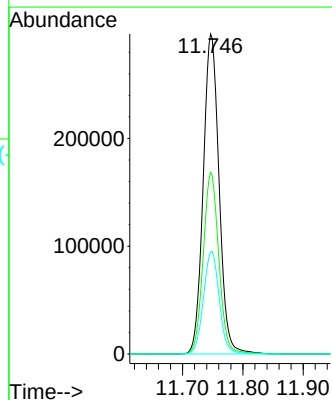
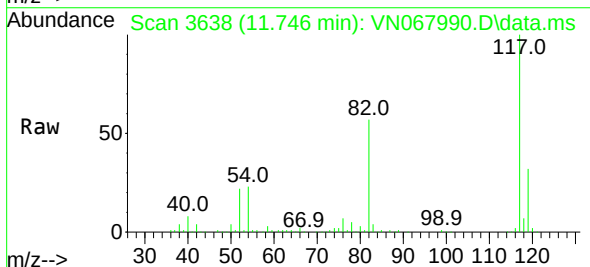
Instrument :
MSVOA_N
ClientSampled :

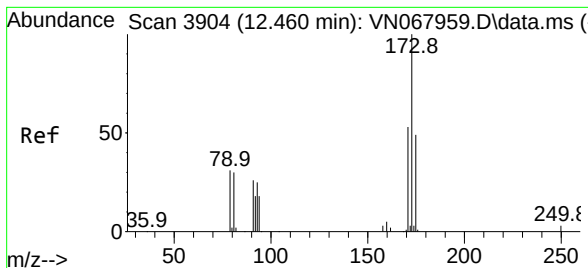
Tgt Ion: 95 Resp: 231672
Ion Ratio Lower Upper
95 100
174 71.9 0.0 122.0
176 68.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

Tgt Ion: 117 Resp: 542278
Ion Ratio Lower Upper
117 100
82 56.7 53.1 79.7
119 31.9 25.5 38.3

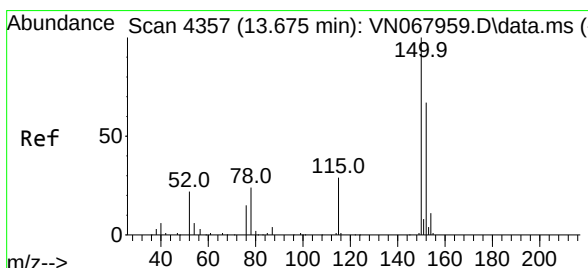
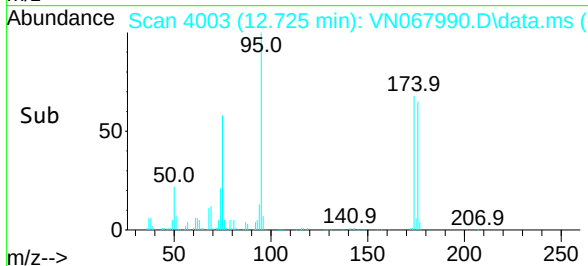
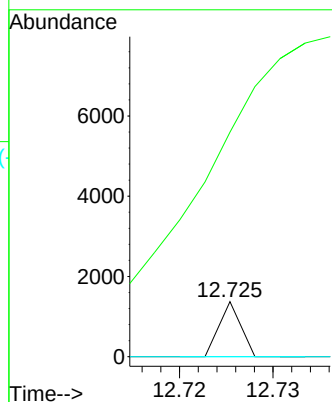
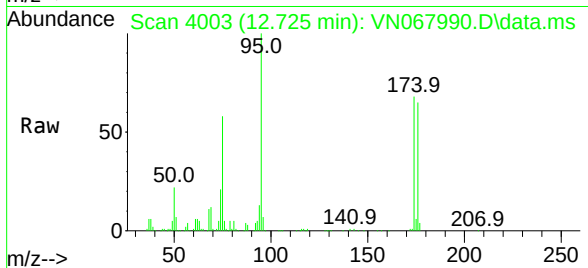




#71
Bromoform
Concen: 4.089 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

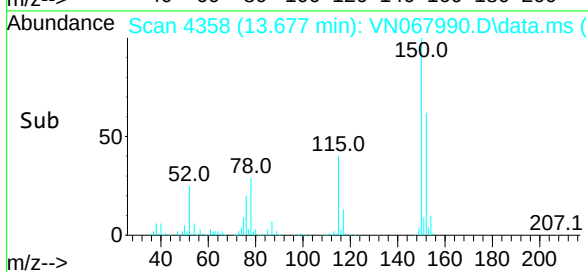
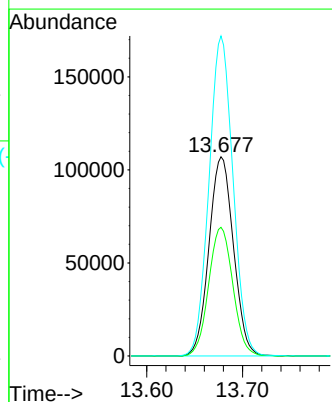
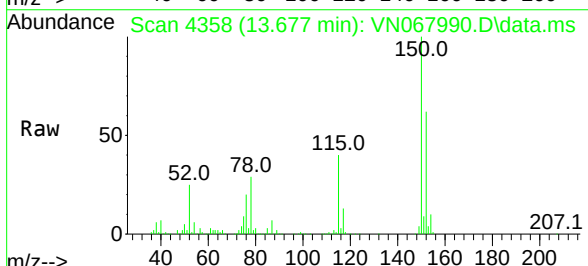
Instrument :
MSVOA_N
ClientSampled :

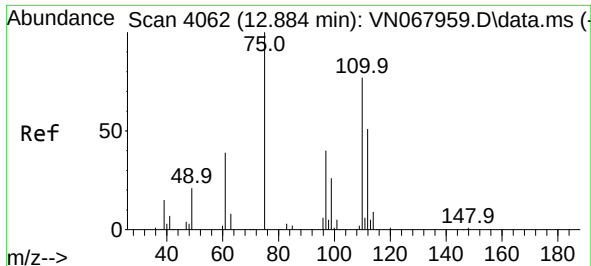
Tgt Ion:173 Resp: 221
Ion Ratio Lower Upper
173 100
175 5676.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

Tgt Ion:152 Resp: 190119
Ion Ratio Lower Upper
152 100
115 63.7 36.1 108.5
150 157.5 0.0 351.8

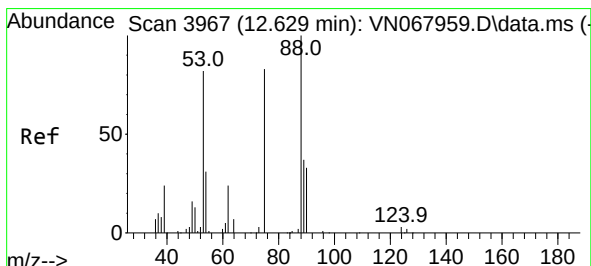
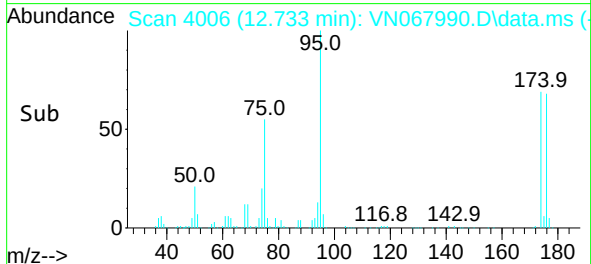
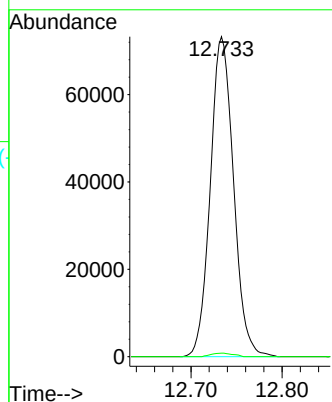
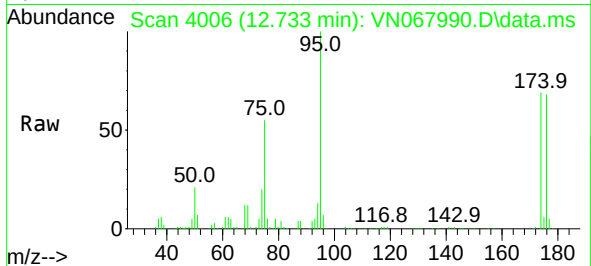




#76
1,2,3-Trichloropropane
Concen: 33.965 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

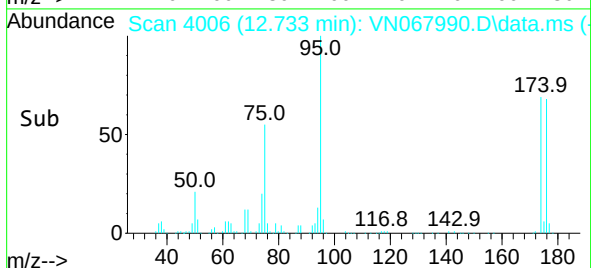
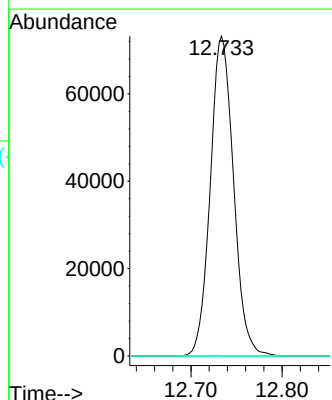
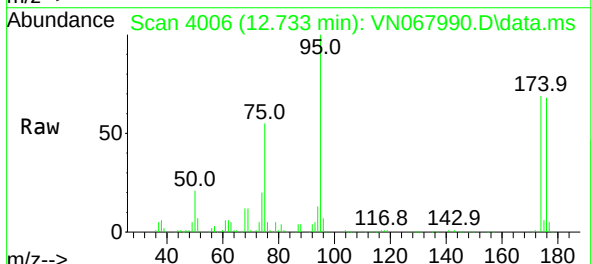
Instrument :
MSVOA_N
ClientSampled :

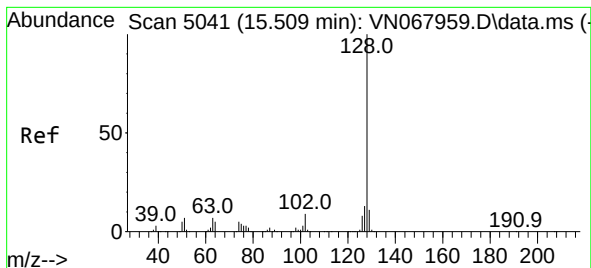
Tgt Ion: 75 Resp: 129682
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.049 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

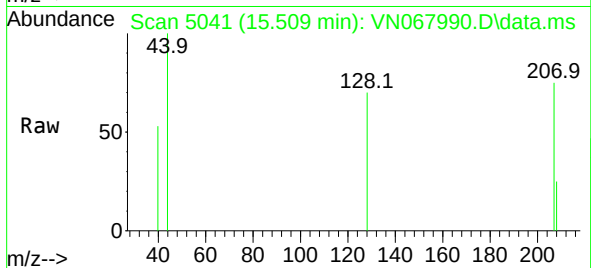
Tgt Ion: 75 Resp: 129682
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



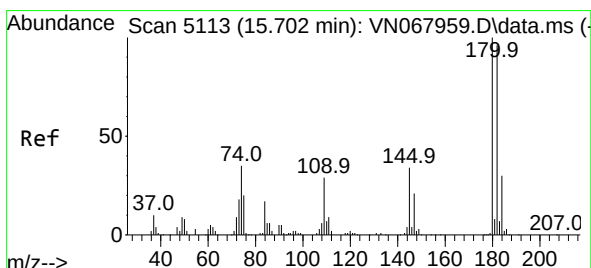
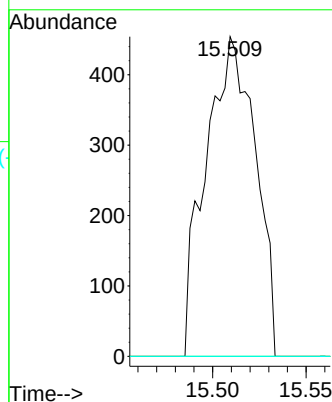
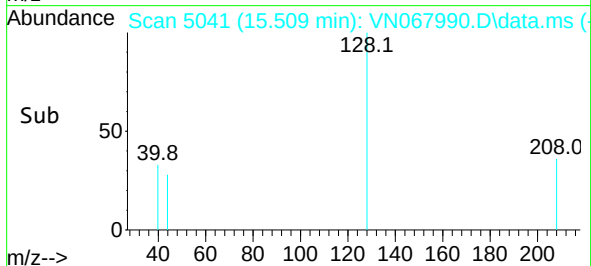


#95
Naphthalene
Concen: 3.219 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38

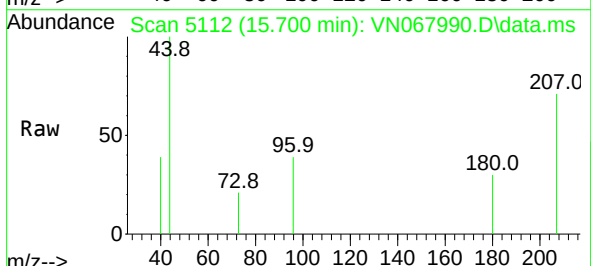
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 838
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.402 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN067990.D
Acq: 3 Aug 2021 18:38



Tgt Ion:180 Resp: 97
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 18.2 54.6#

