

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070122.D
 Acq On : 15 Dec 2021 19:43
 Operator : JC/MD
 Sample : M4970-14RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 05:41:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

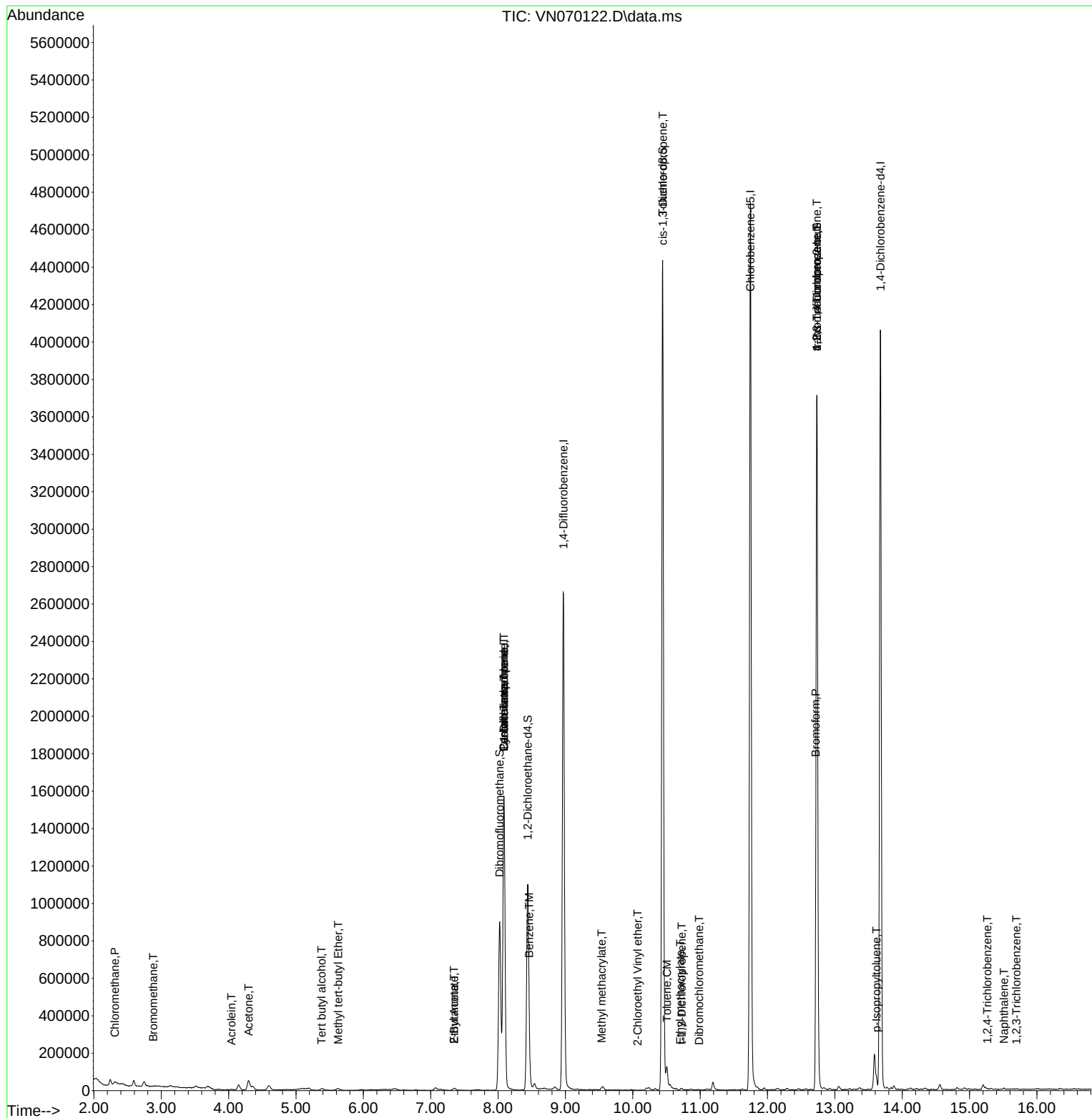
Internal Standards						
1) Pentafluorobenzene	8.088	168	1173424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2243192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2648789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	1103013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	935424	51.630	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.260%	
35) Dibromofluoromethane	8.024	113	652067	46.408	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 92.820%	
50) Toluene-d8	10.443	98	2999354	53.162	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.320%	
62) 4-Bromofluorobenzene	12.733	95	1314376	64.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 128.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	3790	0.221	ug/l	91
5) Bromomethane	2.880	94	1821	0.213	ug/l	97
11) Tert butyl alcohol	5.379	59	7446	2.174	ug/l	96
13) Acrolein	4.041	56	4906	1.682	ug/l #	39
16) Acetone	4.296	43	97319	8.929	ug/l	96
19) Methyl tert-butyl Ether	5.626	73	12268	0.282	ug/l #	90
25) 2-Butanone	7.348	43	8825	0.596	ug/l	92
31) Cyclohexane	8.086	56	31216	1.238	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	99603	4.664	ug/l #	49
37) Ethyl Acetate	7.348	43	8825	0.278	ug/l #	68
38) Carbon Tetrachloride	8.088	117	118246	5.647	ug/l #	16
40) Benzene	8.461	78	61399	0.941	ug/l	98
48) Methyl methacrylate	9.539	41	5290	0.241	ug/l #	22
52) Toluene	10.505	92	40269	1.011	ug/l	98
53) t-1,3-Dichloropropene	10.727	75	27	2.795	ug/l #	54
54) cis-1,3-Dichloropropene	10.446	75	838	2.028	ug/l #	1
56) Ethyl methacrylate	10.706	69	114	2.283	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.070	63	25	18.392	ug/l #	45
60) Dibromochloromethane	10.985	129	105	2.382	ug/l #	11
71) Bromoform	12.717	173	1223	2.802	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	720924	22.791	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	720924	72.595	ug/l #	5
86) p-Isopropyltoluene	13.618	119	39039	0.526	ug/l #	78
93) 1,2,4-Trichlorobenzene	15.265	180	868	2.923	ug/l #	61
95) Naphthalene	15.509	128	6147	4.090	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.694	180	318	2.453	ug/l #	1

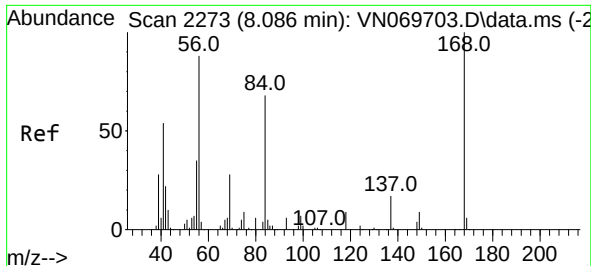
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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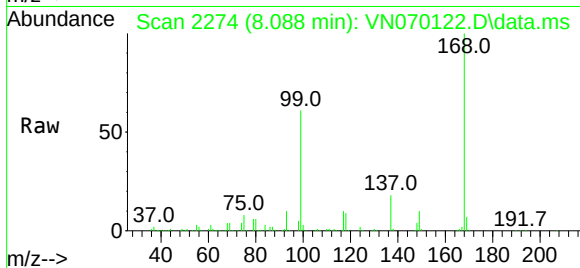
Quant Time: Dec 16 05:41:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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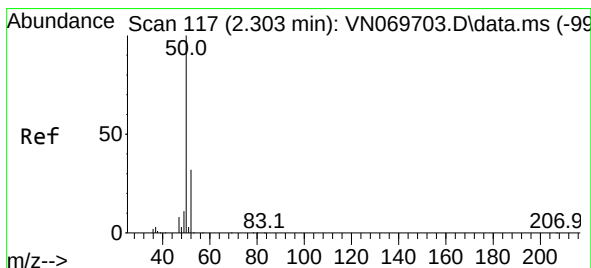
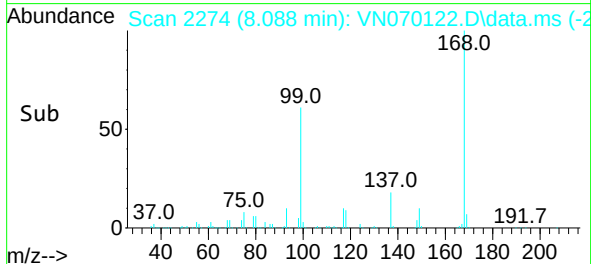
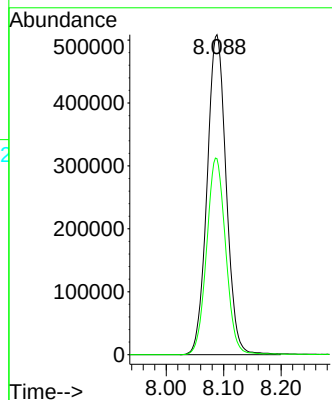


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Instrument :
MSVOA_N
ClientSampleId :

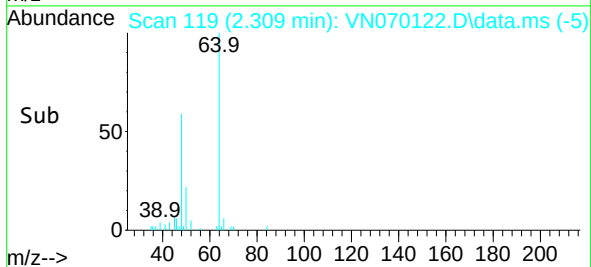
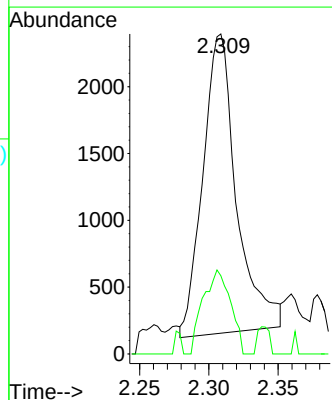
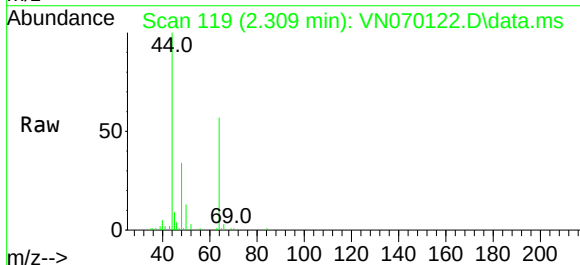


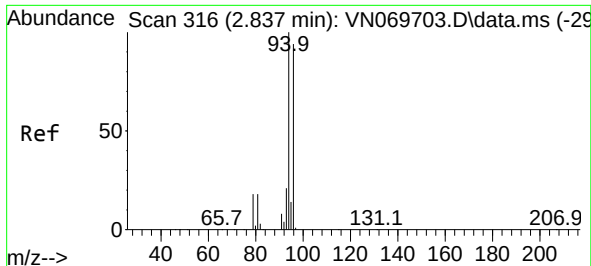
Tgt Ion:168 Resp: 1173424
Ion Ratio Lower Upper
168 100
99 61.3 41.3 61.9



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.005 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion: 50 Resp: 3790
Ion Ratio Lower Upper
50 100
52 26.7 25.4 38.0

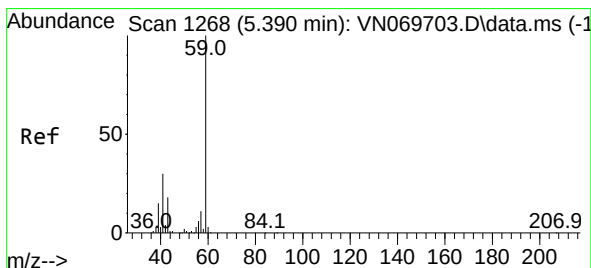
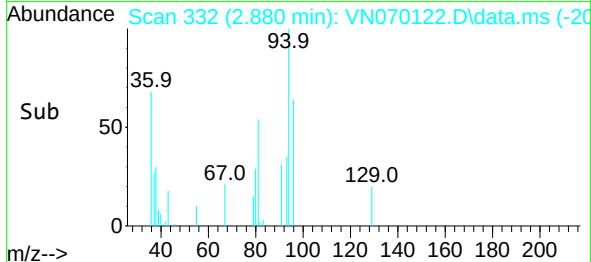
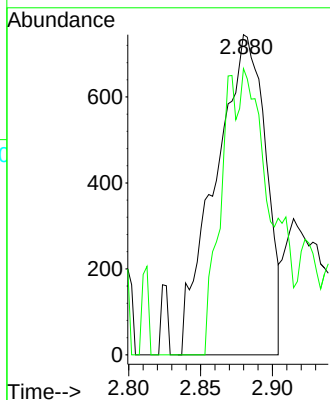
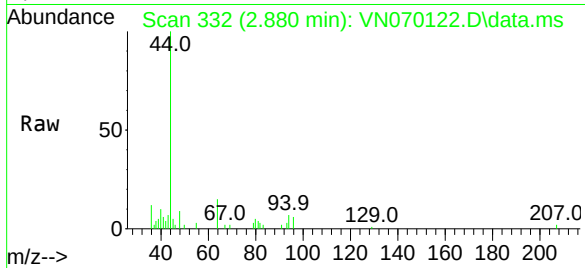




#5
Bromomethane
Concen: 0.213 ug/l
RT: 2.880 min Scan# 316
Delta R.T. 0.043 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

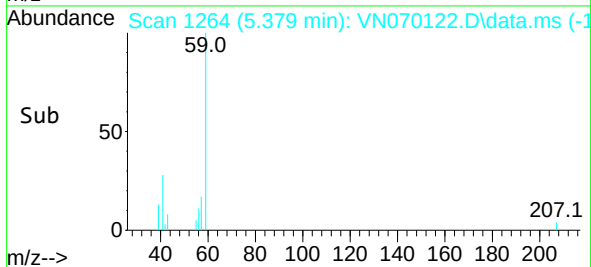
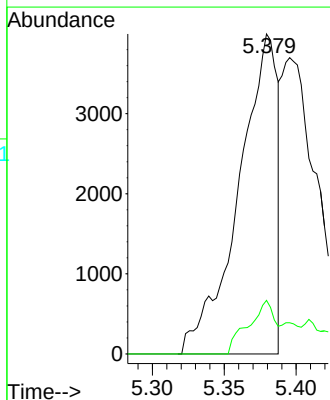
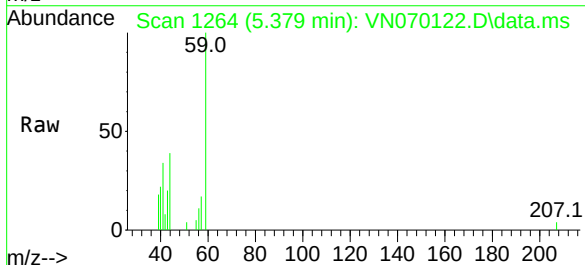
Instrument :
MSVOA_N
ClientSampleId :

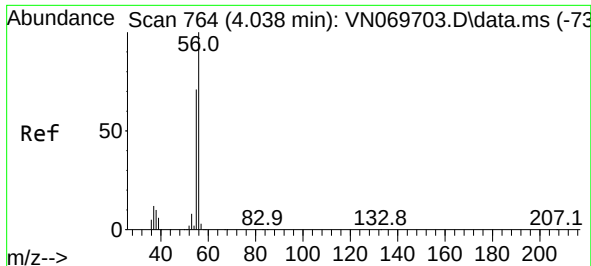
Tgt Ion: 94 Resp: 1821
Ion Ratio Lower Upper
94 100
96 89.4 73.8 110.8



#11
Tert butyl alcohol
Concen: 2.174 ug/l
RT: 5.379 min Scan# 1264
Delta R.T. -0.011 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

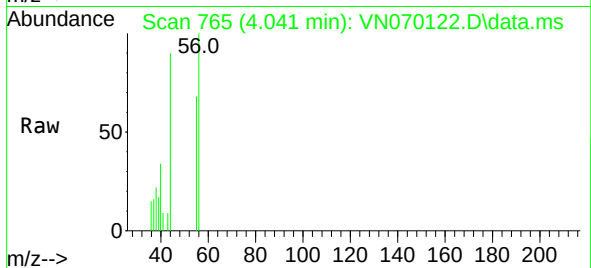
Tgt Ion: 59 Resp: 7446
Ion Ratio Lower Upper
59 100
57 12.3 8.7 13.1



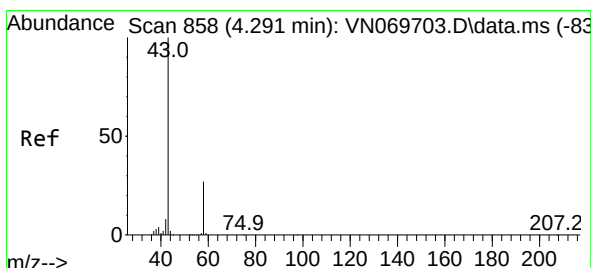
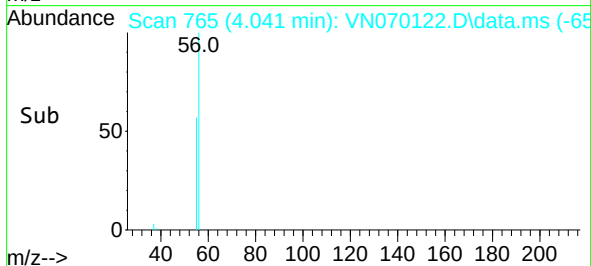
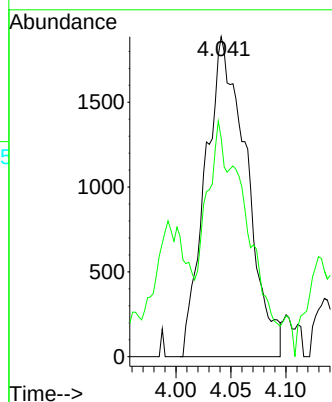


#13
Acrolein
Concen: 1.682 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Instrument :
MSVOA_N
ClientSampleId :

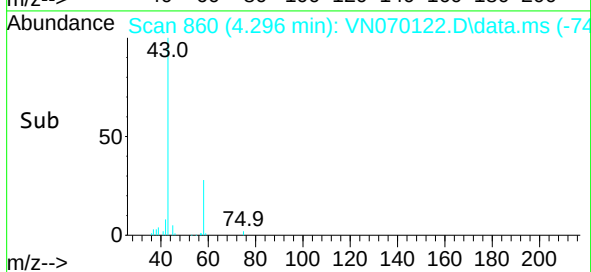
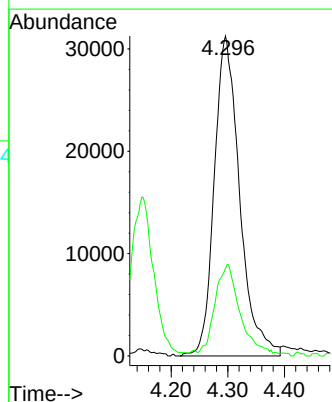
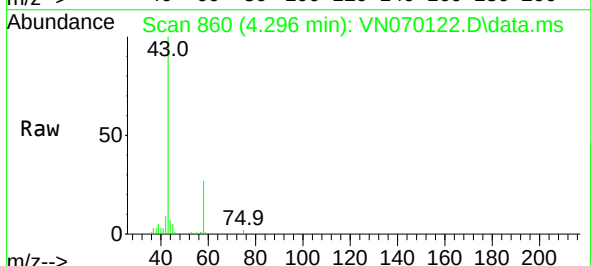


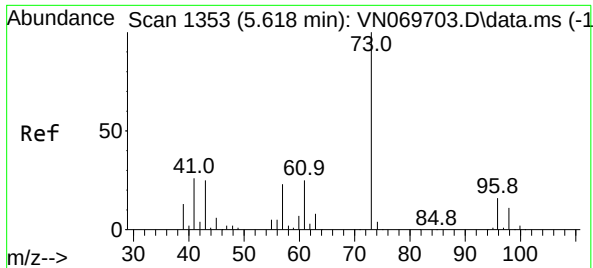
Tgt Ion: 56 Resp: 4906
Ion Ratio Lower Upper
56 100
55 20.3 56.6 85.0#



#16
Acetone
Concen: 8.929 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion: 43 Resp: 97319
Ion Ratio Lower Upper
43 100
58 26.5 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 0.282 ug/l

RT: 5.626 min Scan# 11

Delta R.T. 0.008 min

Lab File: VN070122.D

Acq: 15 Dec 2021 19:43

Instrument :

MSVOA_N

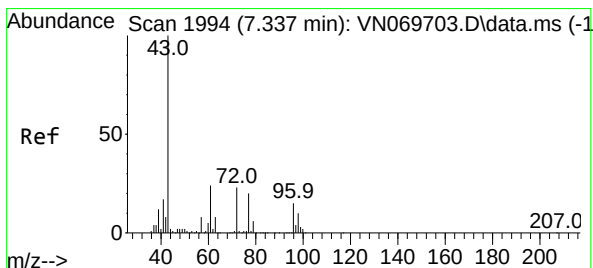
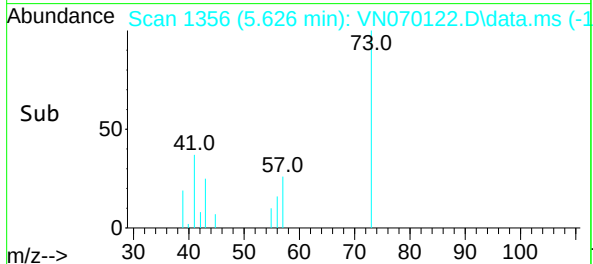
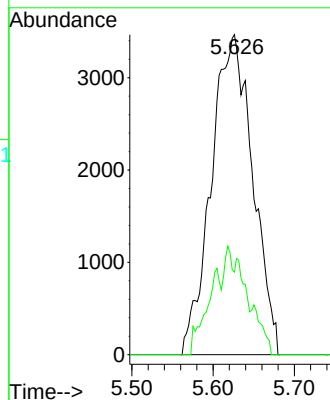
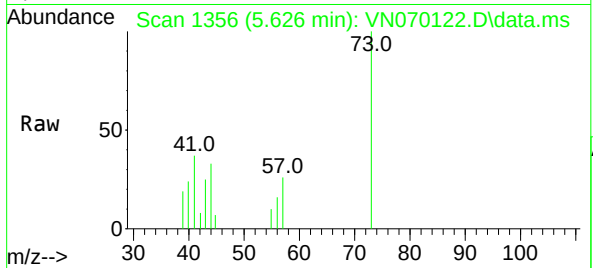
ClientSampleId :

Tgt Ion: 73 Resp: 12268

Ion Ratio Lower Upper

73 100

57 25.8 16.8 25.2#



#25

2-Butanone

Concen: 0.596 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.011 min

Lab File: VN070122.D

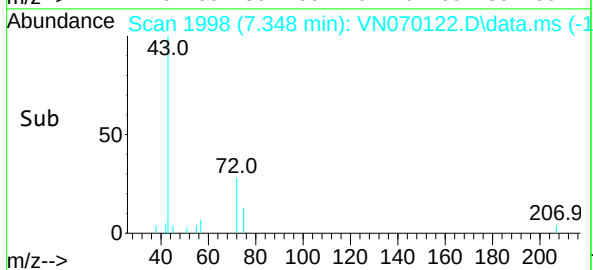
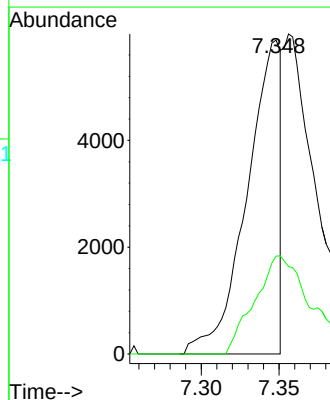
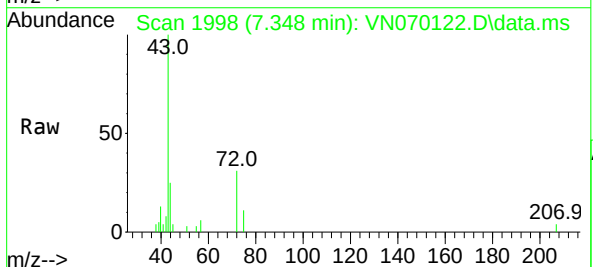
Acq: 15 Dec 2021 19:43

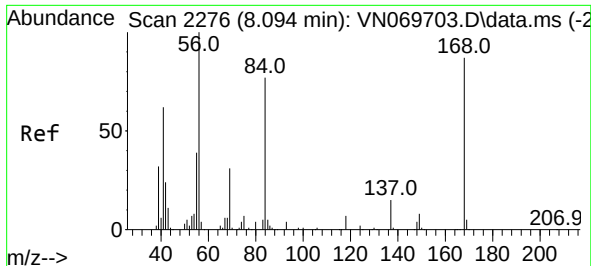
Tgt Ion: 43 Resp: 8825

Ion Ratio Lower Upper

43 100

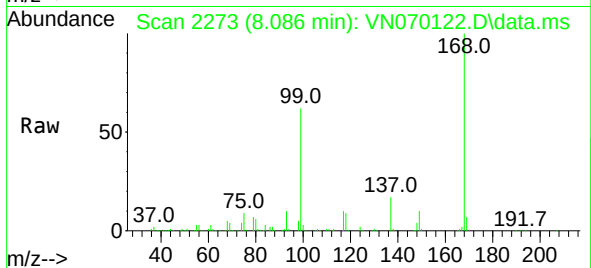
72 31.2 21.7 32.5



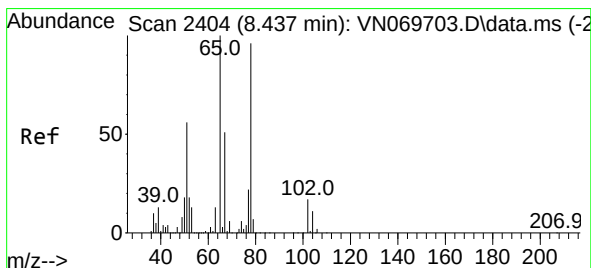
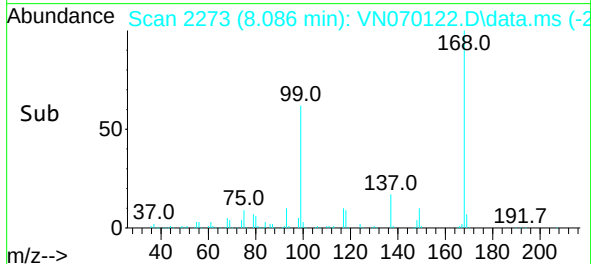
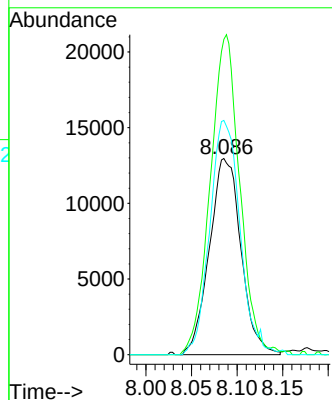


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Instrument :
MSVOA_N
ClientSampleId :

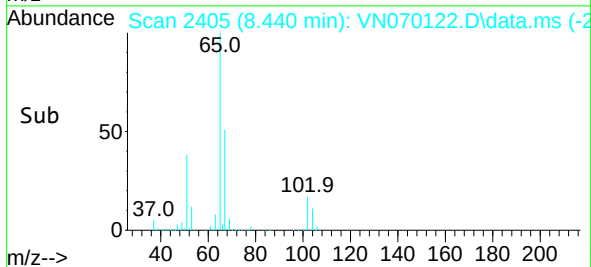
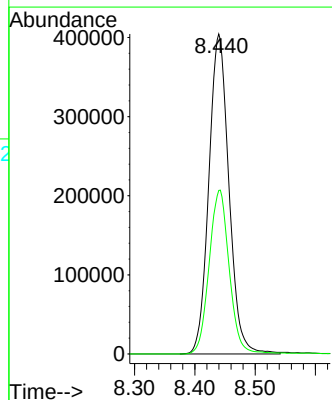
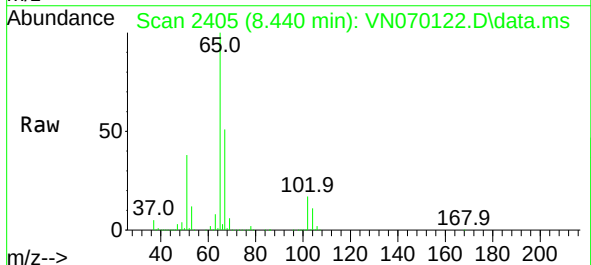


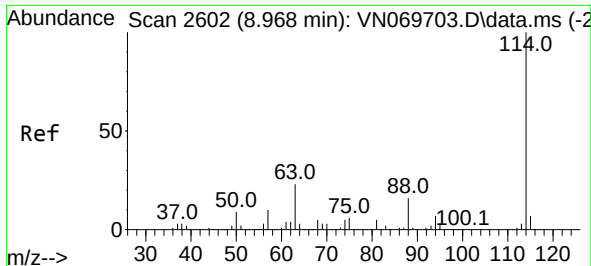
Tgt Ion: 56 Resp: 31216
Ion Ratio Lower Upper
56 100
69 160.8 27.1 40.7#
84 119.5 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.630 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion: 65 Resp: 935424
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070122.D

Acq: 15 Dec 2021 19:43

Instrument :

MSVOA_N

ClientSampleId :

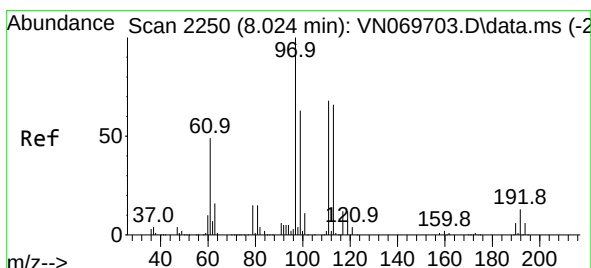
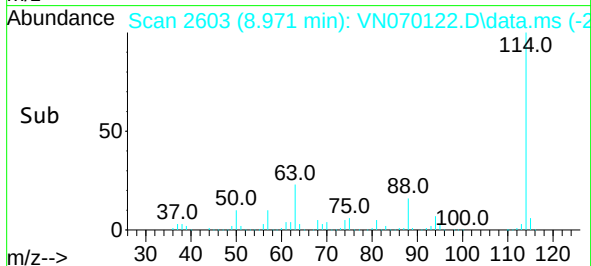
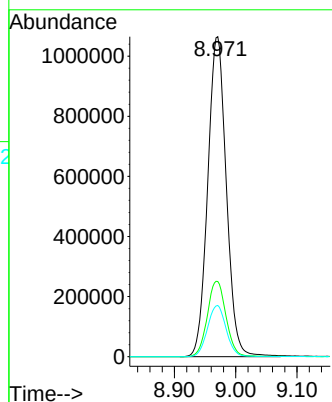
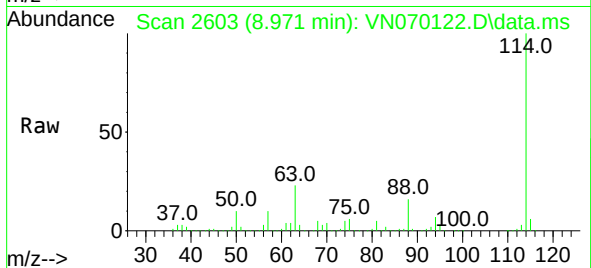
Tgt Ion:114 Resp: 2243192

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.408 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN070122.D

Acq: 15 Dec 2021 19:43

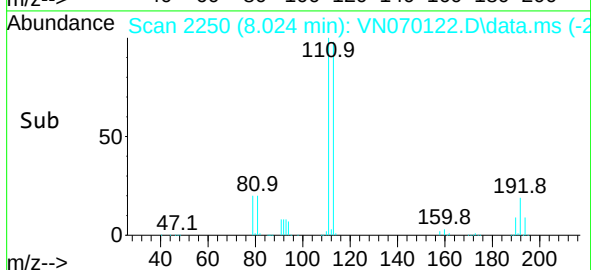
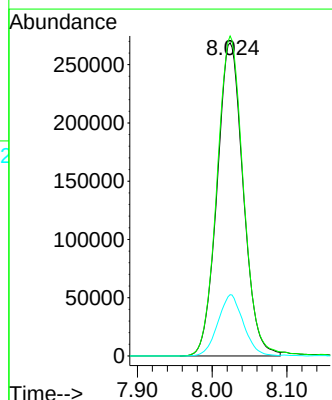
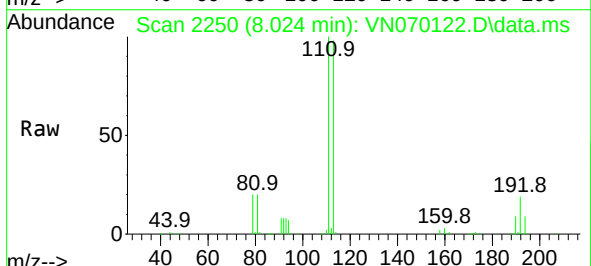
Tgt Ion:113 Resp: 652067

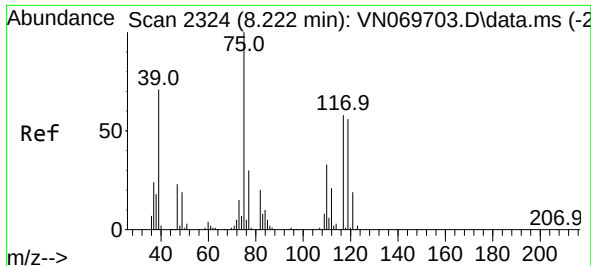
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

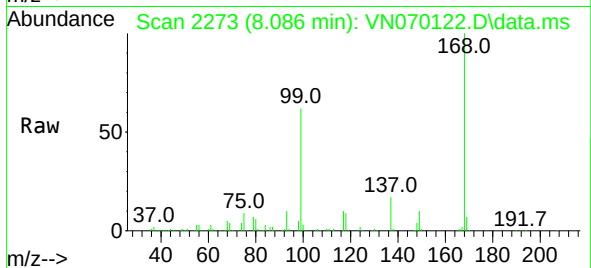
192 19.1 16.9 25.3



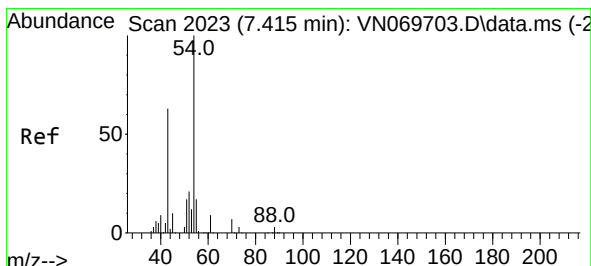
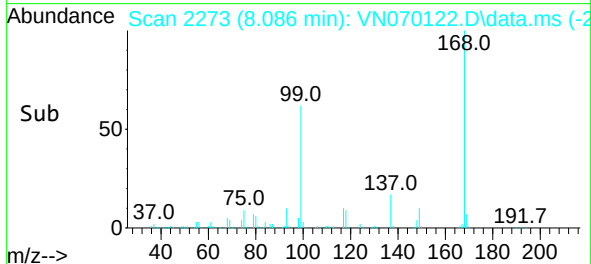
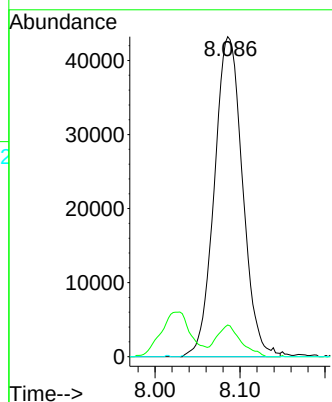


#36
 1,1-Dichloropropene
 Concen: 4.664 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070122.D
 Acq: 15 Dec 2021 19:43

Instrument :
 MSVOA_N
 ClientSampleId :

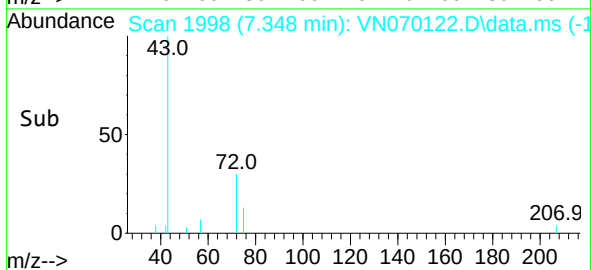
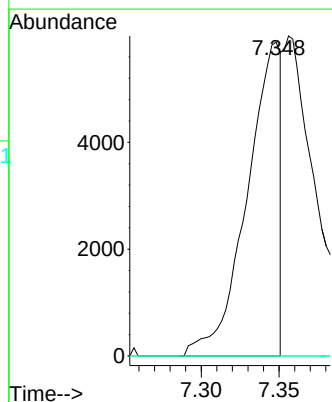
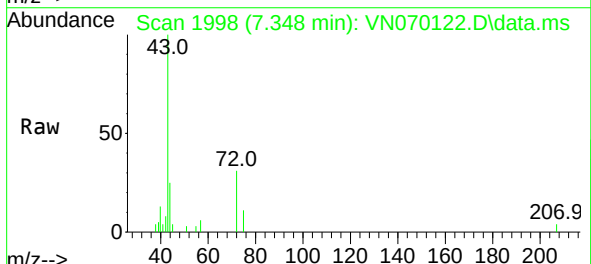


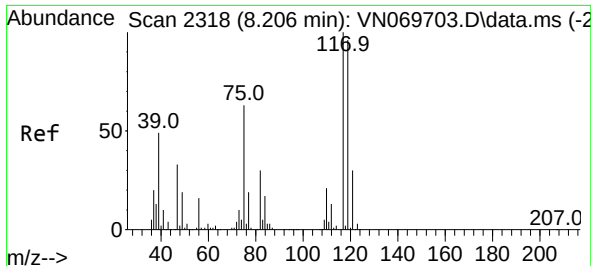
Tgt Ion: 75 Resp: 99603
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.4 55.2#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 0.278 ug/l
 RT: 7.348 min Scan# 1998
 Delta R.T. -0.067 min
 Lab File: VN070122.D
 Acq: 15 Dec 2021 19:43

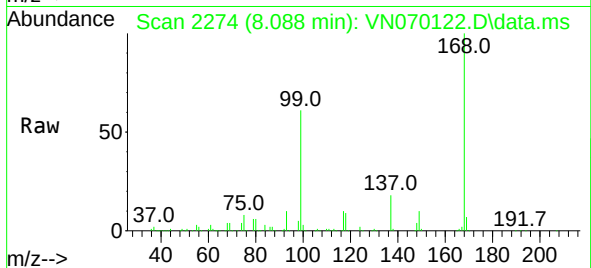
Tgt Ion: 43 Resp: 8825
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#



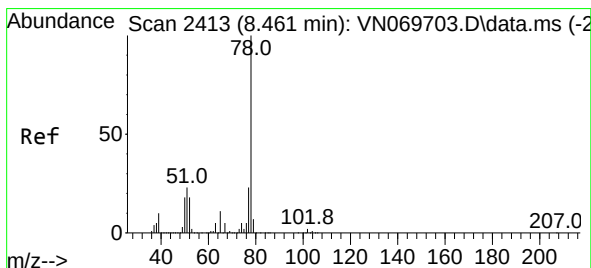
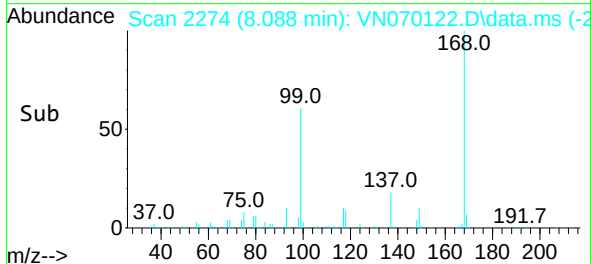
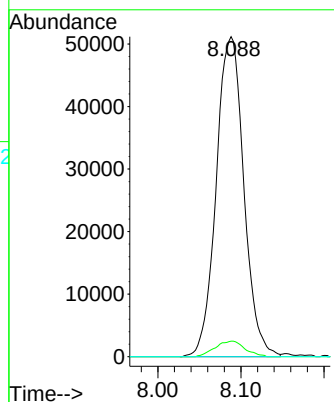


#38
Carbon Tetrachloride
Concen: 5.647 ug/l
RT: 8.088 min Scan# 2117
Delta R.T. -0.118 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Instrument :
MSVOA_N
ClientSampleId :

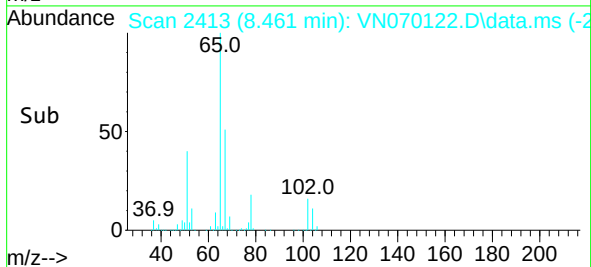
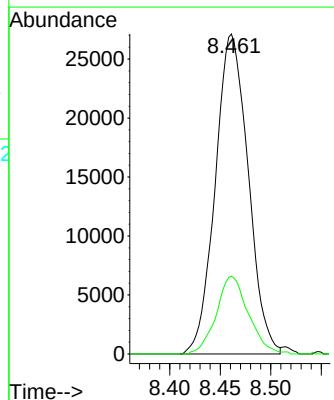
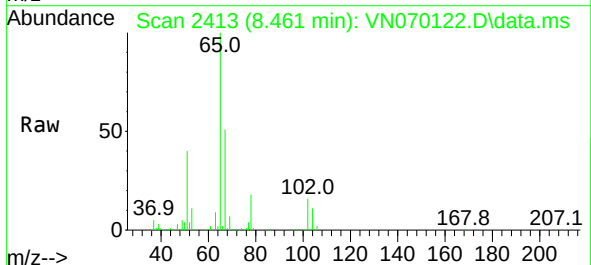


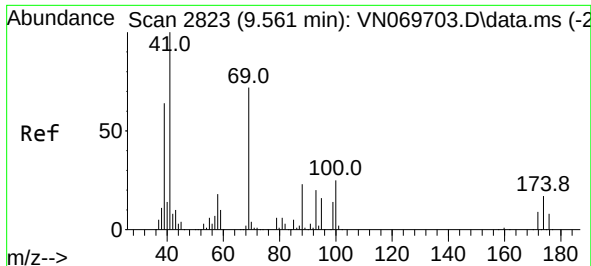
Tgt Ion:117 Resp: 118246
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.941 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion: 78 Resp: 61399
Ion Ratio Lower Upper
78 100
77 24.3 18.6 27.8

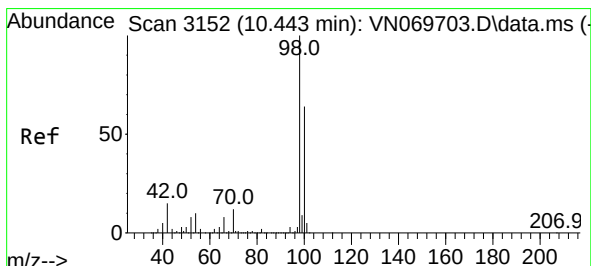
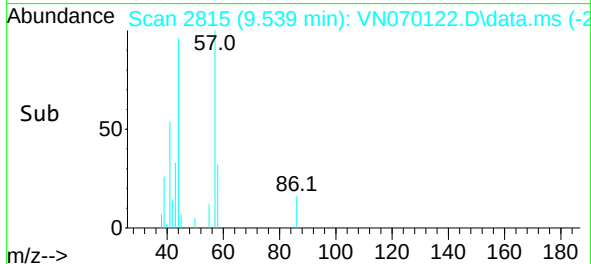
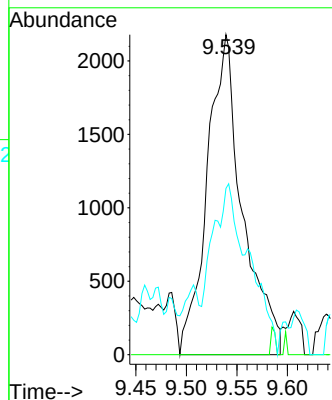
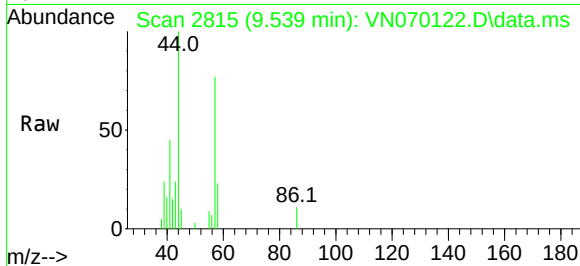




#48
Methyl methacrylate
Concen: 0.241 ug/l
RT: 9.539 min Scan# 21
Delta R.T. -0.022 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

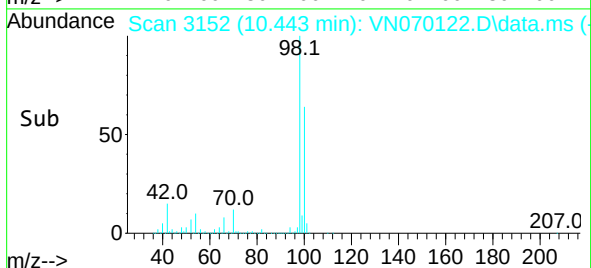
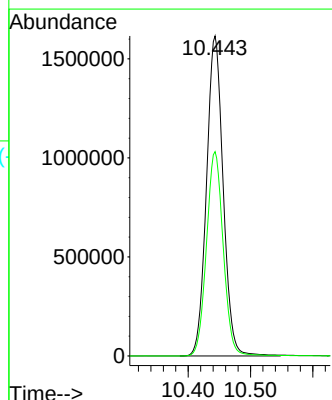
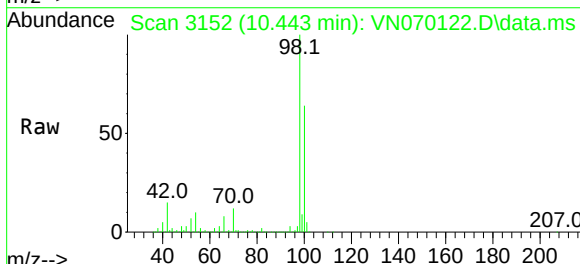
Instrument :
MSVOA_N
ClientSampleId :

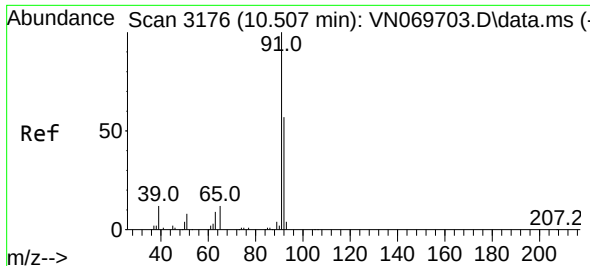
Tgt Ion: 41 Resp: 5290
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 25.2 58.4 87.6#



#50
Toluene-d8
Concen: 53.162 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion: 98 Resp: 2999354
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

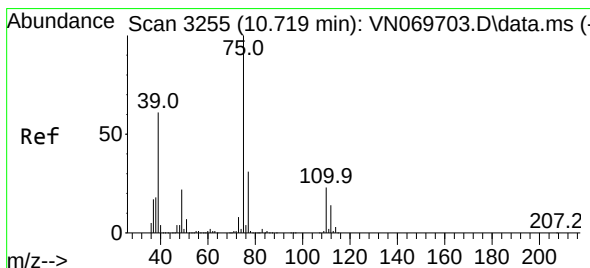
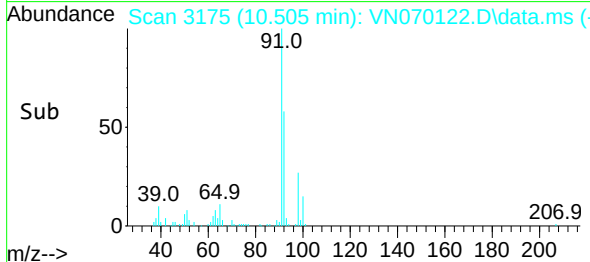
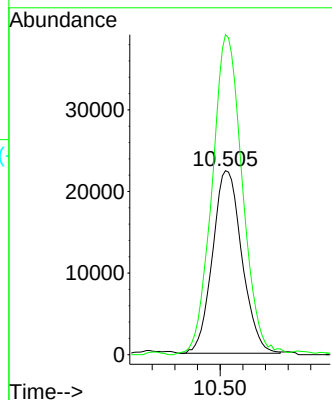
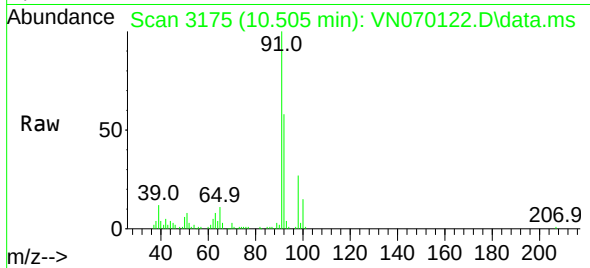




#52
Toluene
Concen: 1.011 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

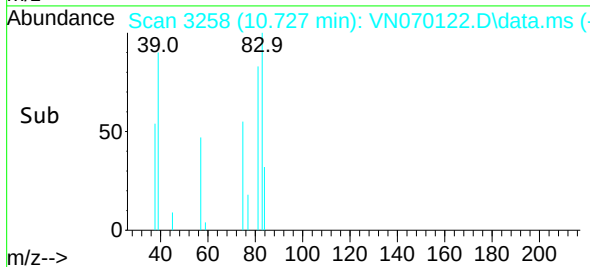
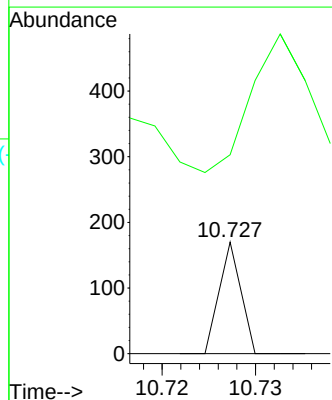
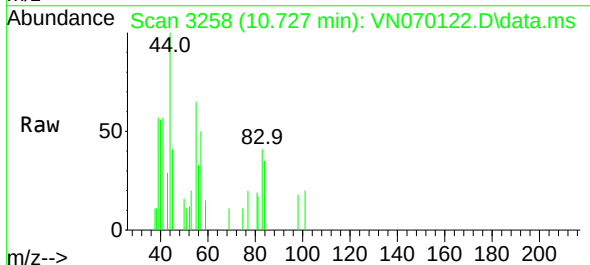
Instrument :
MSVOA_N
ClientSampleId :

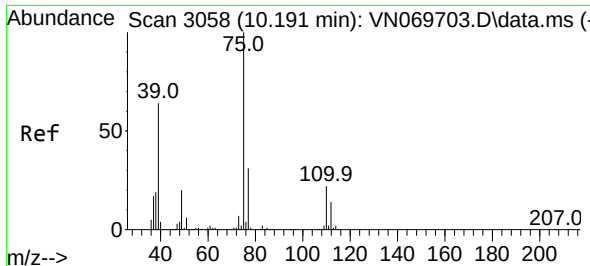
Tgt Ion: 92 Resp: 40269
Ion Ratio Lower Upper
92 100
91 180.9 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 2.795 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.008 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

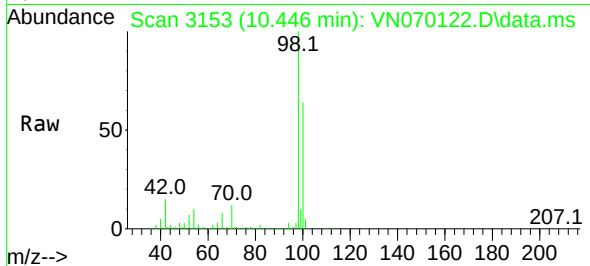
Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 6.5 25.6 38.4#



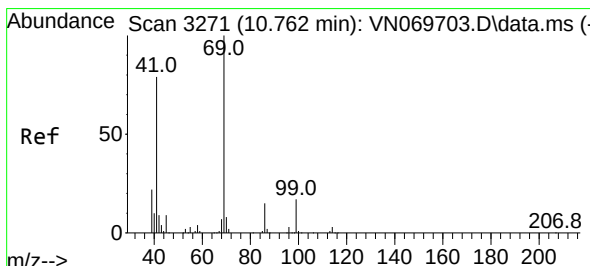
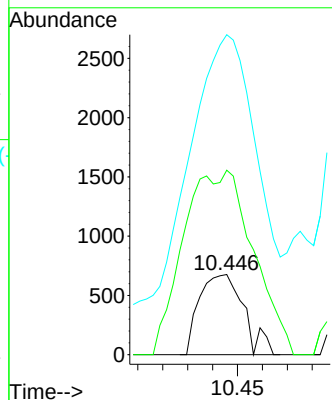
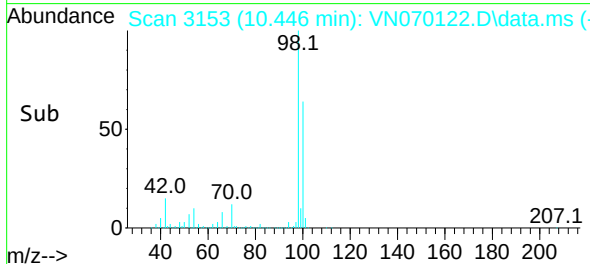


#54
cis-1,3-Dichloropropene
Concen: 2.028 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.255 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

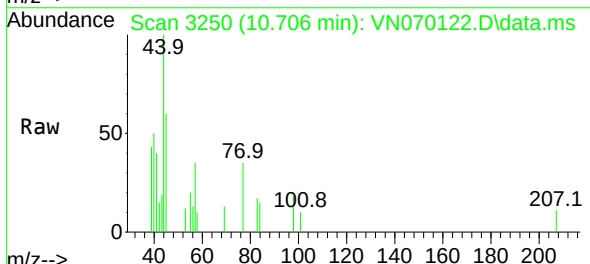
Instrument :
MSVOA_N
ClientSampleId :



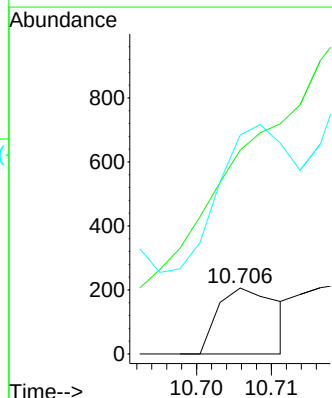
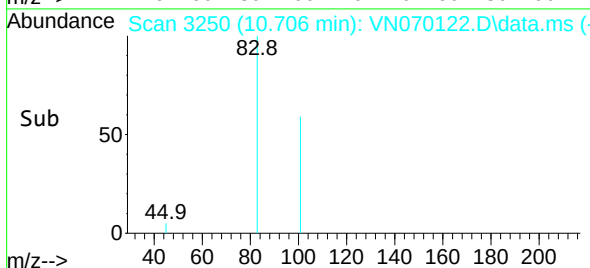
Tgt Ion: 75 Resp: 838
Ion Ratio Lower Upper
75 100
77 187.7 26.4 39.6#
39 277.5 42.5 63.7#

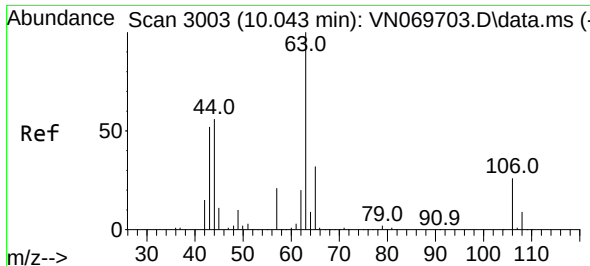


#56
Ethyl methacrylate
Concen: 2.283 ug/l
RT: 10.706 min Scan# 3250
Delta R.T. -0.056 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43



Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 287.7 34.6 52.0#

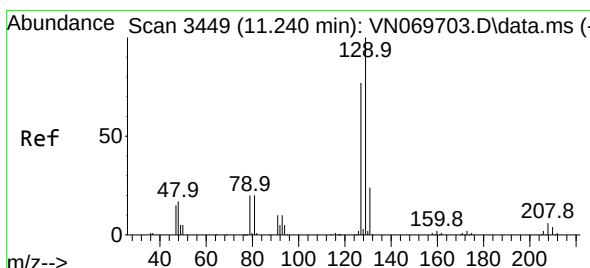
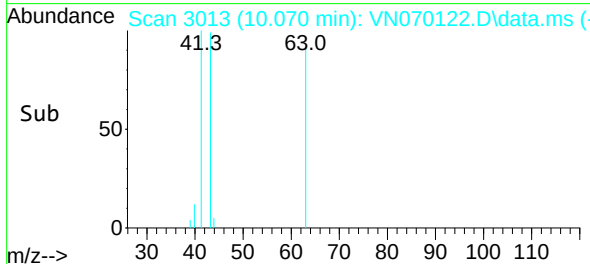
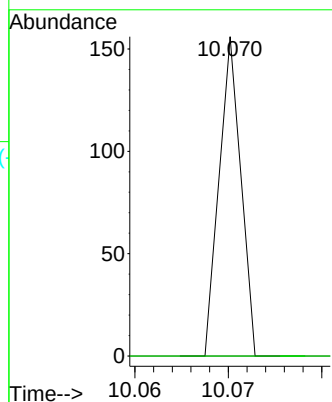
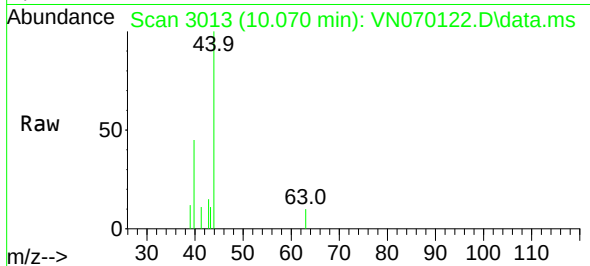




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.070 min Scan# 3003
Delta R.T. 0.027 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

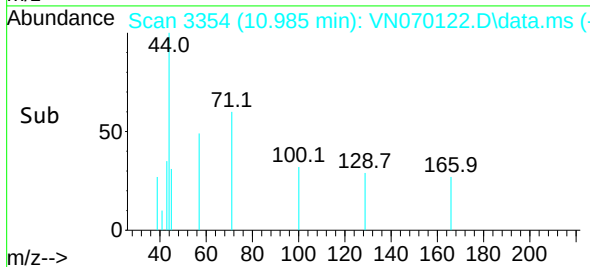
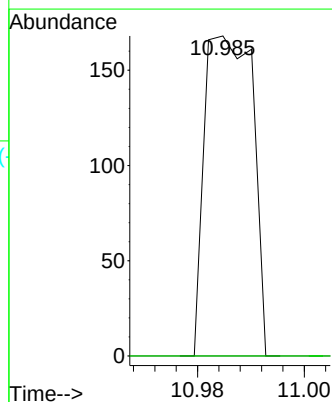
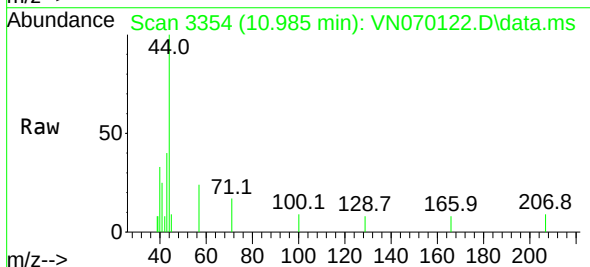
Instrument :
MSVOA_N
ClientSampleId :

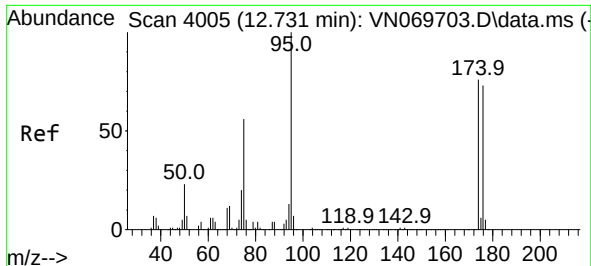
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.382 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.255 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion: 129 Resp: 105
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

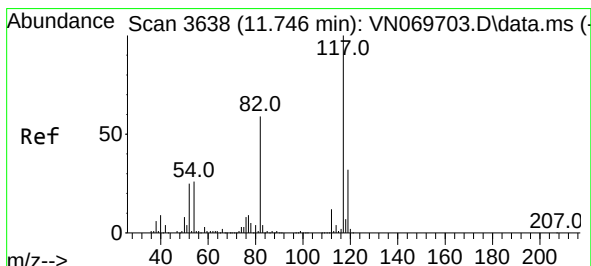
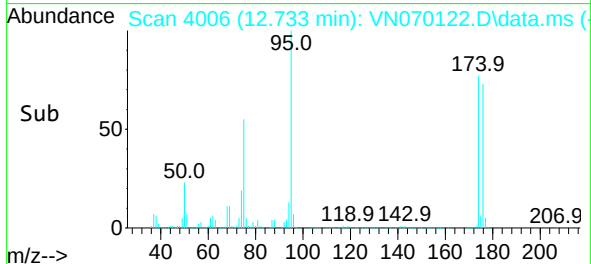
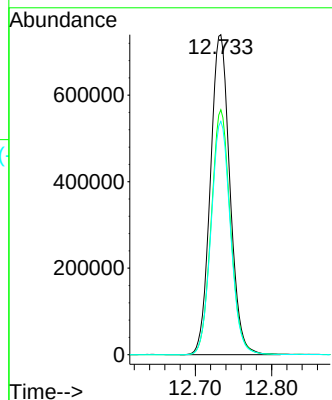
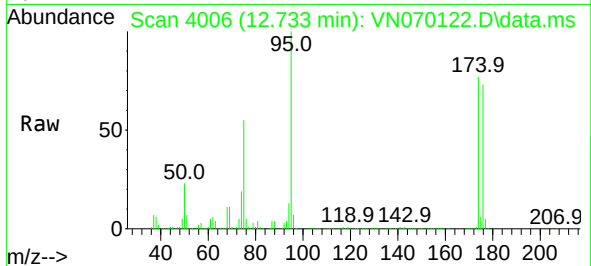




#62
4-Bromofluorobenzene
Concen: 64.306 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

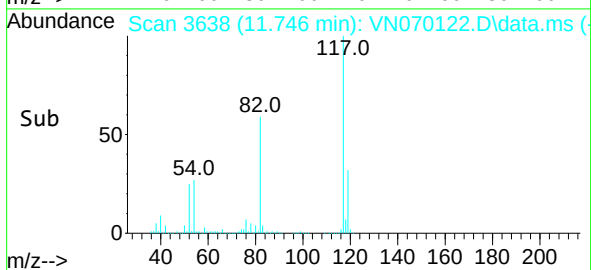
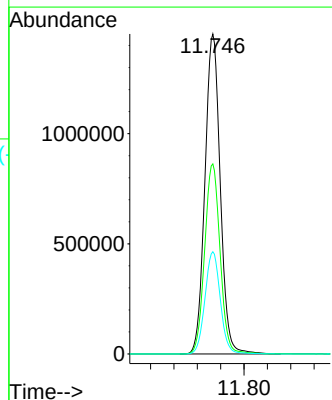
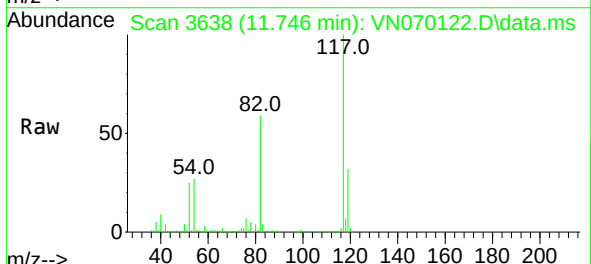
Instrument :
MSVOA_N
ClientSampleId :

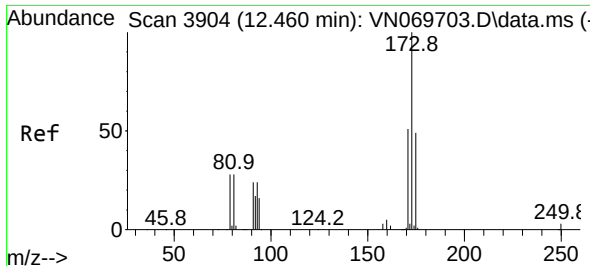
Tgt Ion: 95 Resp: 1314376
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 72.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion: 117 Resp: 2648789
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.0 25.4 38.2

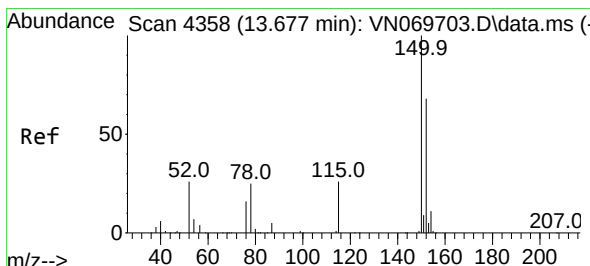
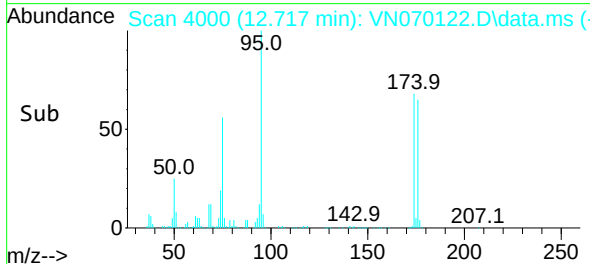
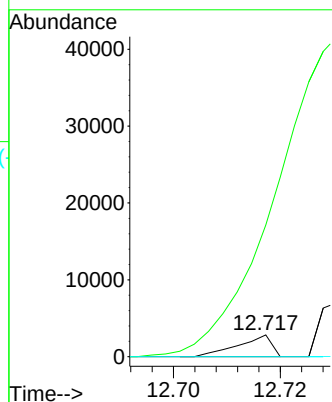
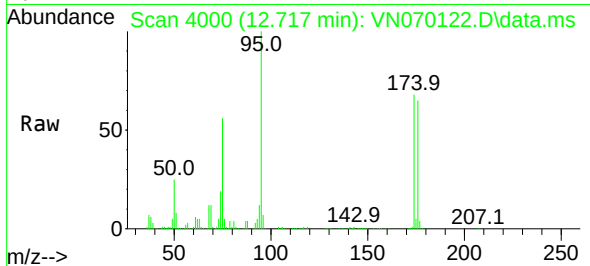




#71
Bromoform
Concen: 2.802 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

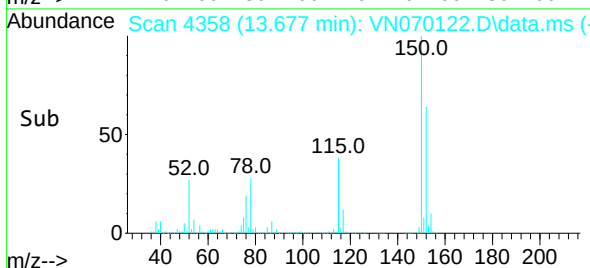
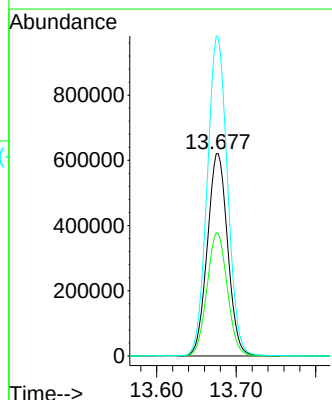
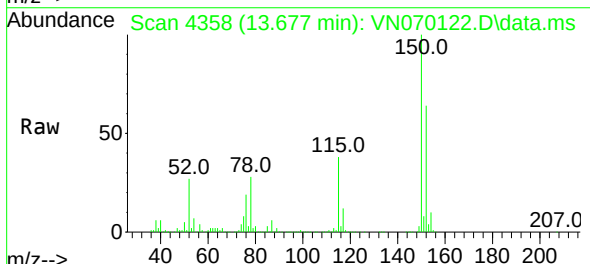
Instrument :
MSVOA_N
ClientSampleId :

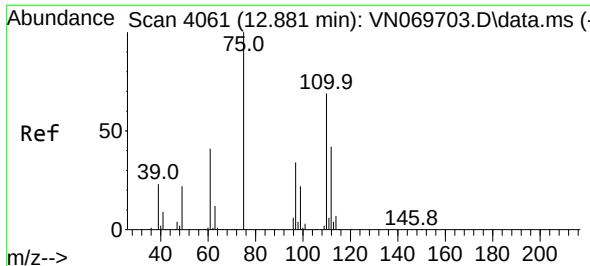
Tgt Ion:173 Resp: 1223
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion:152 Resp: 1103013
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.5 0.0 344.4

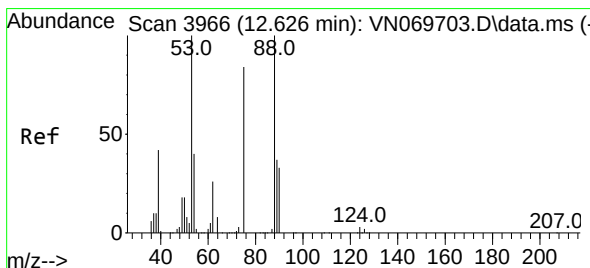
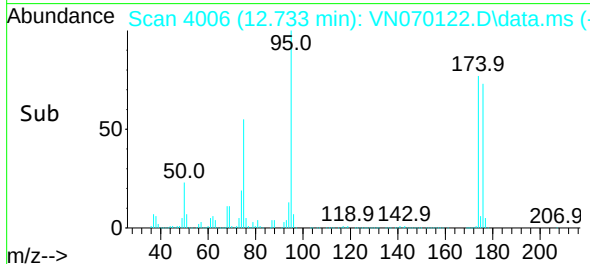
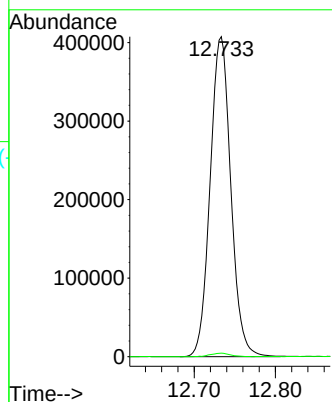
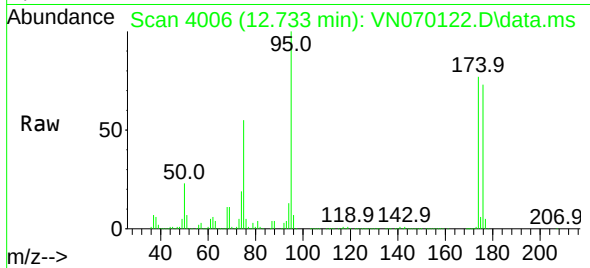




#76
1,2,3-Trichloropropane
Concen: 22.791 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

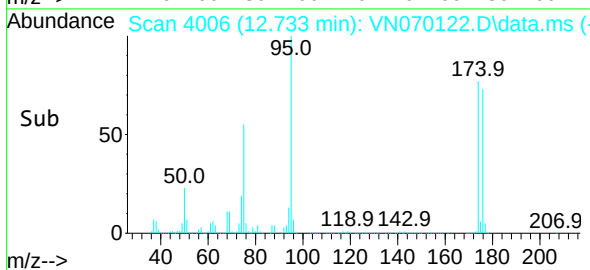
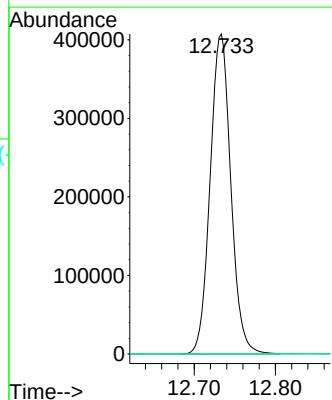
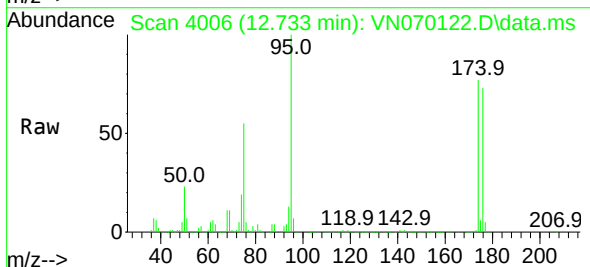
Instrument :
MSVOA_N
ClientSampleId :

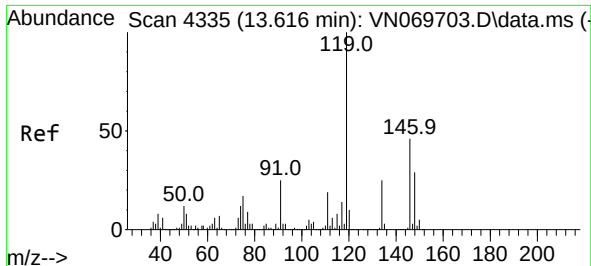
Tgt Ion: 75 Resp: 720924
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.595 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion: 75 Resp: 720924
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

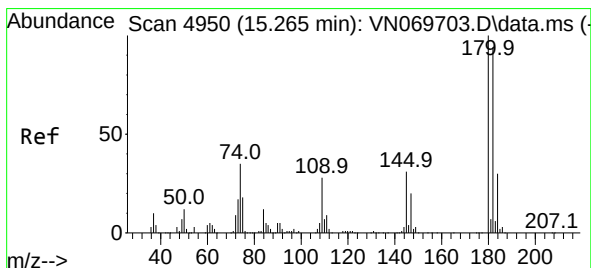
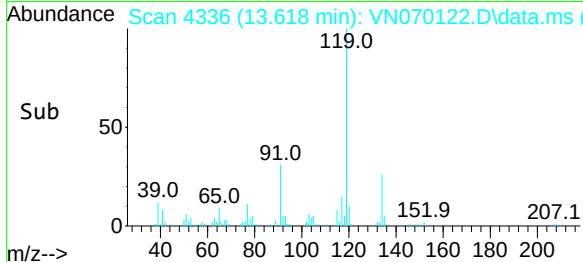
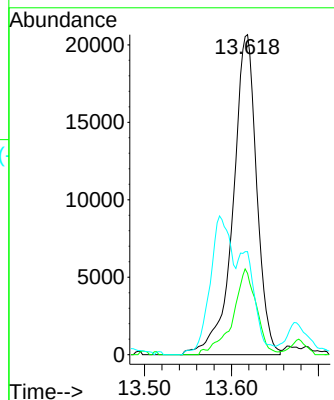
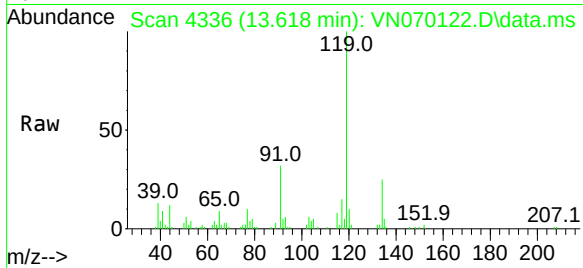




#86
p-Isopropyltoluene
Concen: 0.526 ug/l
RT: 13.618 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

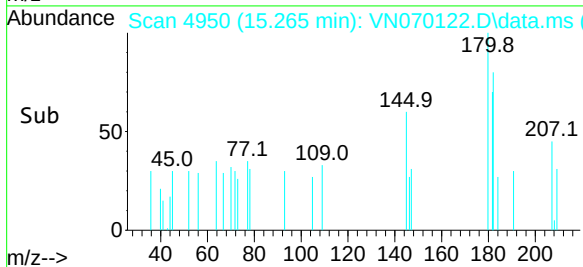
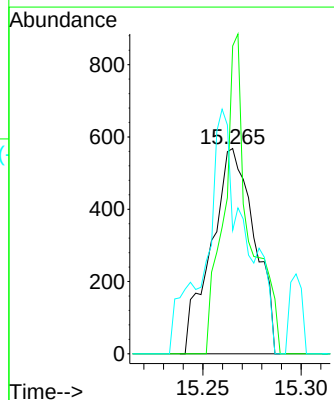
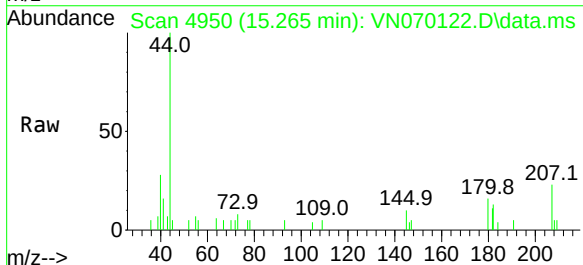
Instrument :
MSVOA_N
ClientSampleId :

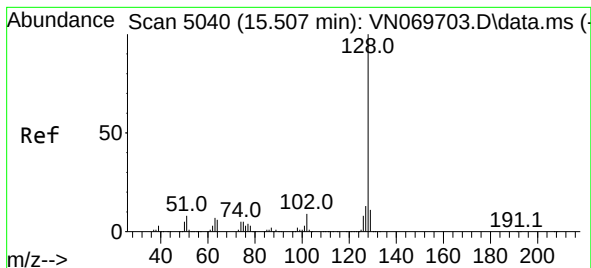
Tgt Ion:119 Resp: 39039
Ion Ratio Lower Upper
119 100
134 26.8 13.6 40.7
91 0.0 11.4 34.1#



#93
1,2,4-Trichlorobenzene
Concen: 2.923 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070122.D
Acq: 15 Dec 2021 19:43

Tgt Ion:180 Resp: 868
Ion Ratio Lower Upper
180 100
182 91.1 48.3 144.9
145 109.6 14.5 43.5#





#95

Naphthalene

Concen: 4.090 ug/l

RT: 15.509 min Scan# 5040

Delta R.T. 0.002 min

Lab File: VN070122.D

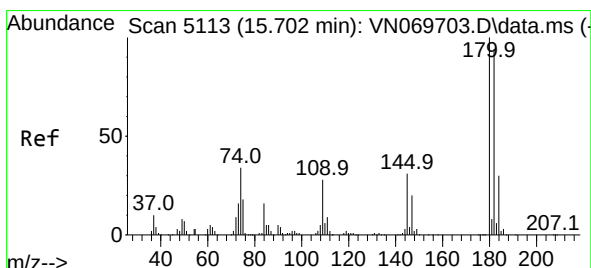
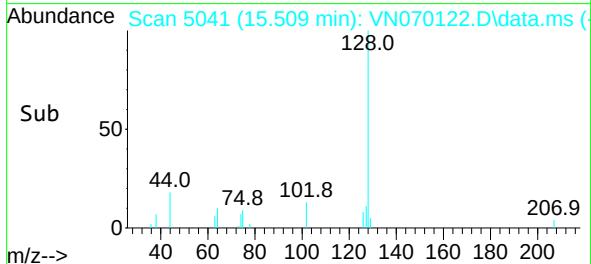
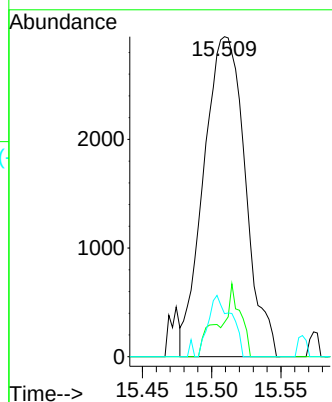
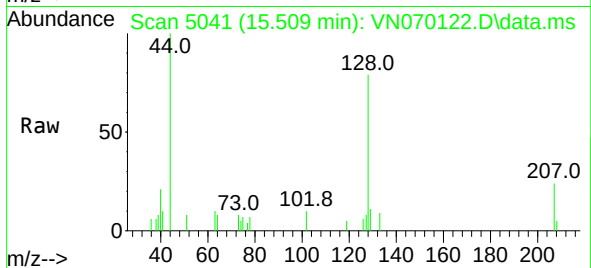
Acq: 15 Dec 2021 19:43

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	6147
Ion Ratio	Lower	Upper	
128	100		
127	7.4	10.5	15.7#
129	0.0	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.453 ug/l

RT: 15.694 min Scan# 5110

Delta R.T. -0.008 min

Lab File: VN070122.D

Acq: 15 Dec 2021 19:43

Tgt Ion:	180	Resp:	318
Ion Ratio	Lower	Upper	
180	100		
182	279.2	47.4	142.2#
145	331.8	15.0	45.1#

