

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070053.D
 Acq On : 14 Dec 2021 1:24
 Operator : JC/MD
 Sample : M5007-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 07:30:31 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)

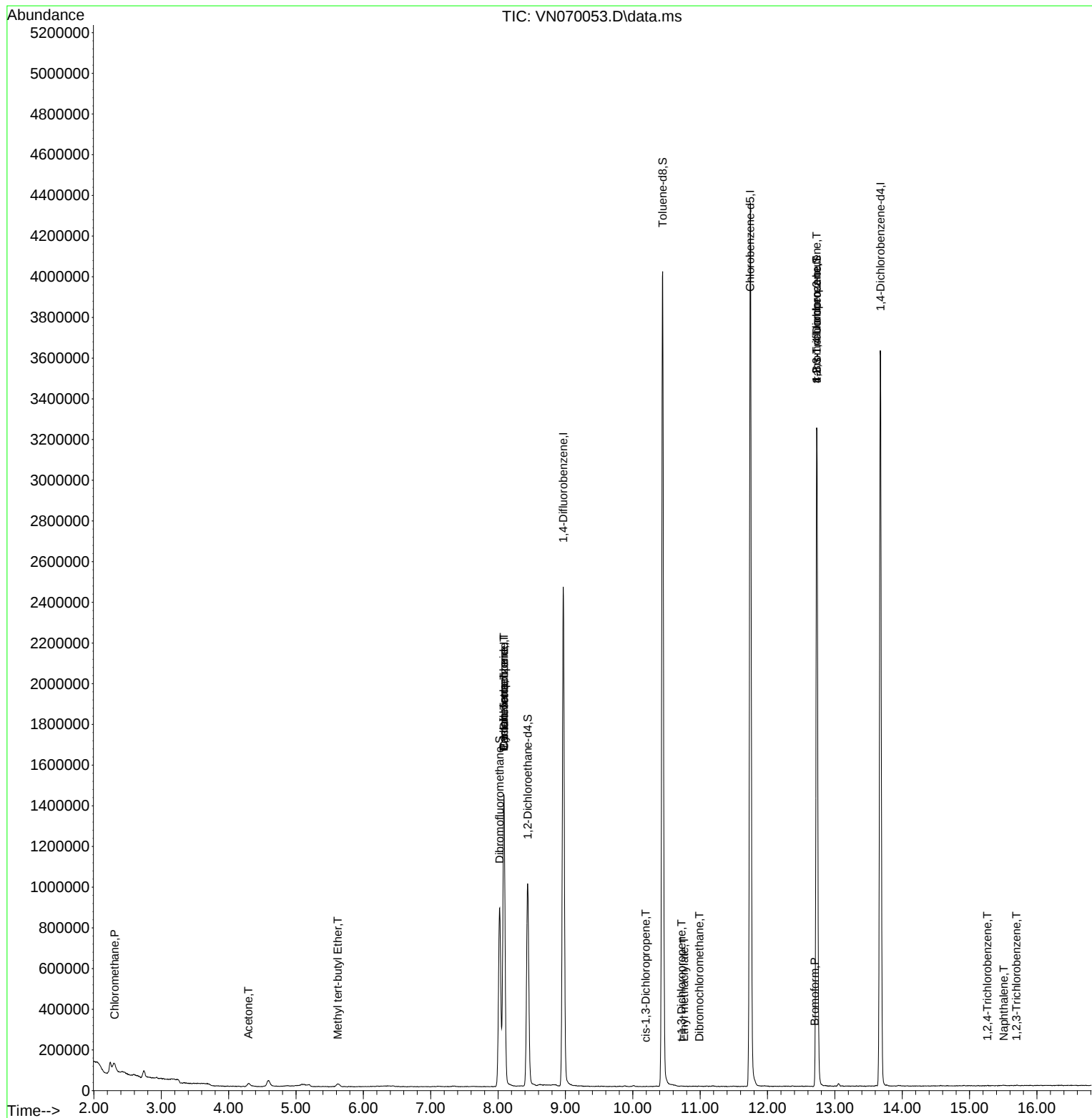
Internal Standards						
1) Pentafluorobenzene	8.088	168	1060469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2024170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2399839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	965288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	863546	52.740	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.480%			
35) Dibromofluoromethane	8.024	113	640265	50.498	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.000%			
50) Toluene-d8	10.443	98	2714003	53.310	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.620%			
62) 4-Bromofluorobenzene	12.731	95	1152423	62.483	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 124.960%			
Target Compounds						Qvalue
3) Chloromethane	2.306	50	4023	0.260	ug/l	96
16) Acetone	4.293	43	24766	2.514	ug/l	91
19) Methyl tert-butyl Ether	5.621	73	19560	0.498	ug/l #	89
31) Cyclohexane	8.086	56	27692	1.215	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	91947	4.772	ug/l #	48
38) Carbon Tetrachloride	8.088	117	108990	5.768	ug/l #	16
53) t-1,3-Dichloropropene	10.722	75	51	2.796	ug/l	93
54) cis-1,3-Dichloropropene	10.194	75	56	2.001	ug/l #	68
56) Ethyl methacrylate	10.759	69	109	2.283	ug/l #	1
60) Dibromochloromethane	10.987	129	54	2.380	ug/l #	11
71) Bromoform	12.701	173	64	2.735	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	642267	23.201	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	642267	73.829	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	626	2.915	ug/l	93
95) Naphthalene	15.507	128	3440	4.052	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.697	180	704	2.479	ug/l	71

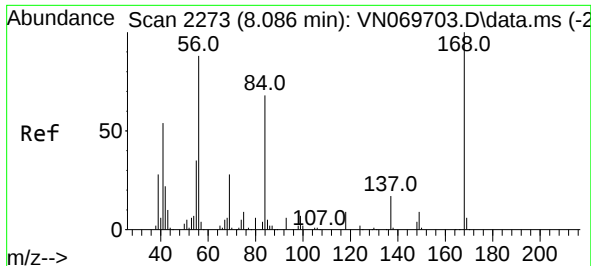
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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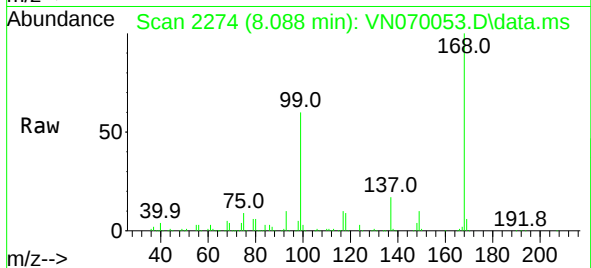
Quant Time: Dec 14 07:30:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



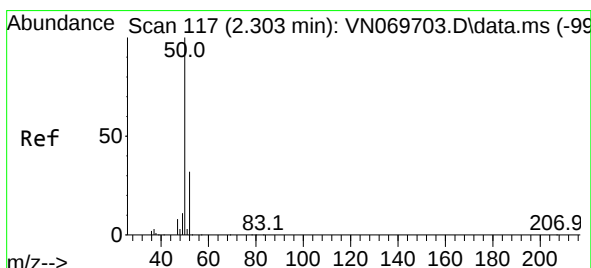
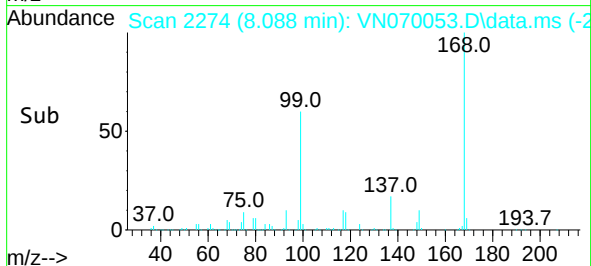
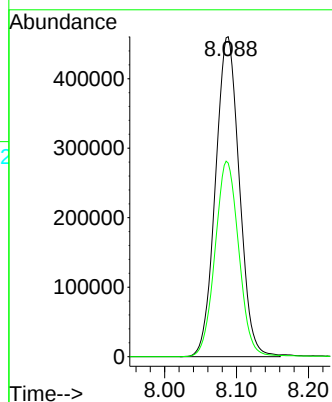


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

Instrument :
MSVOA_N
ClientSampleId :

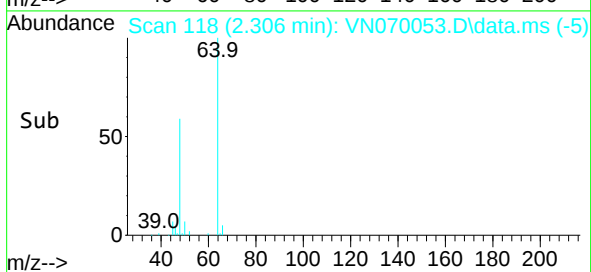
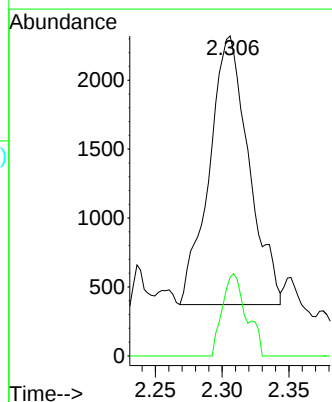
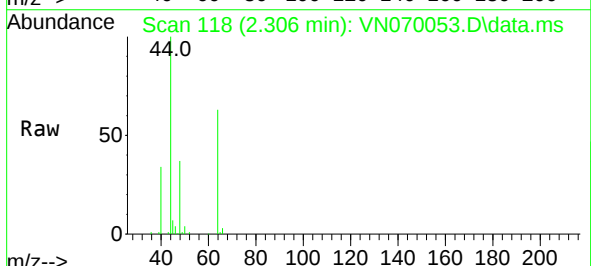


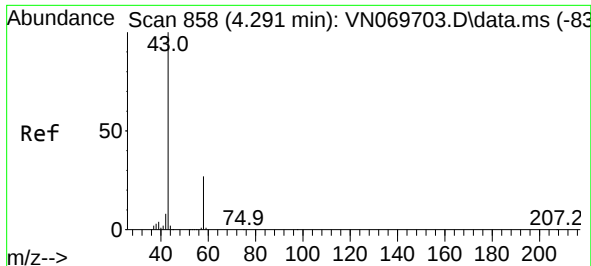
Tgt Ion:168 Resp: 1060469
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#3
Chloromethane
Concen: 0.260 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

Tgt Ion: 50 Resp: 4023
Ion Ratio Lower Upper
50 100
52 29.3 25.4 38.0

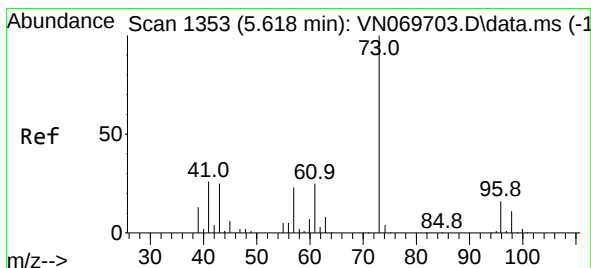
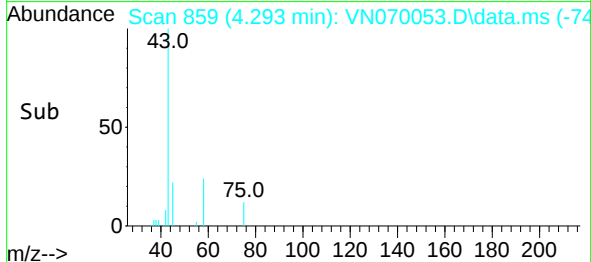
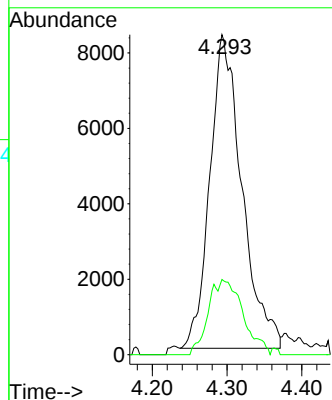
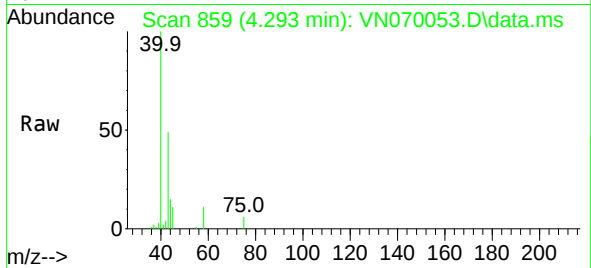




#16
Acetone
Concen: 2.514 ug/l
RT: 4.293 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

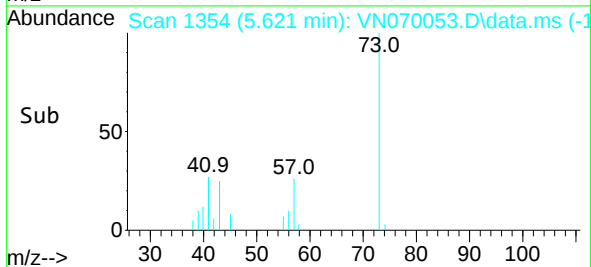
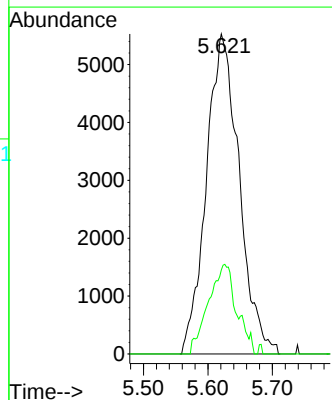
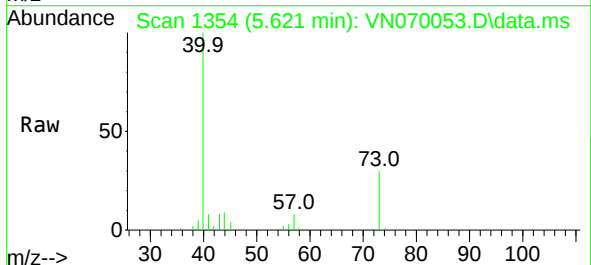
Instrument :
MSVOA_N
ClientSampleId :

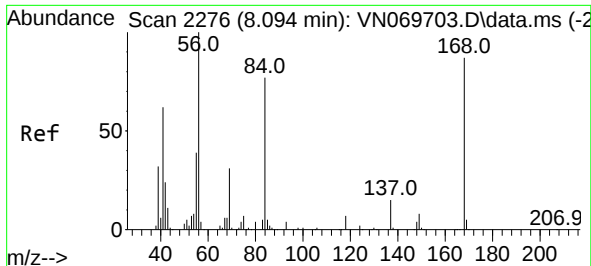
Tgt Ion: 43 Resp: 24766
Ion Ratio Lower Upper
43 100
58 24.0 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 0.498 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

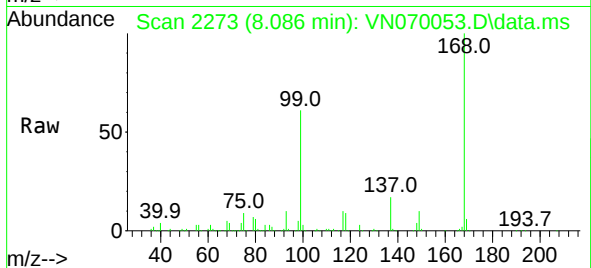
Tgt Ion: 73 Resp: 19560
Ion Ratio Lower Upper
73 100
57 26.2 16.8 25.2#



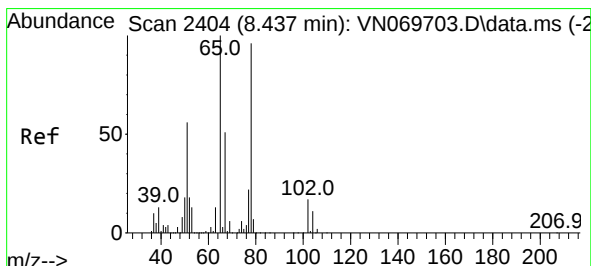
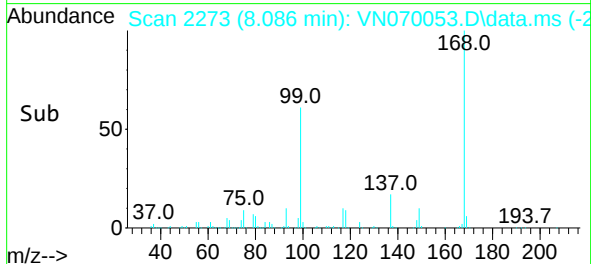
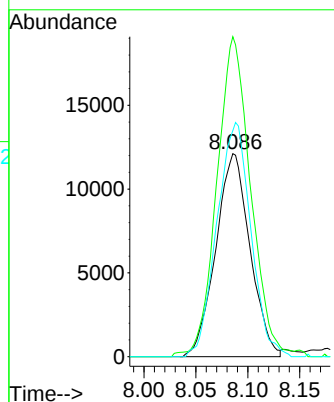


#31
Cyclohexane
Concen: 1.215 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

Instrument :
MSVOA_N
ClientSampleId :

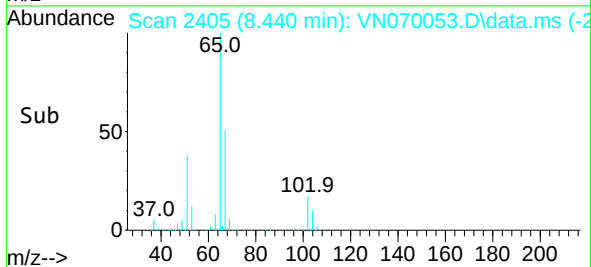
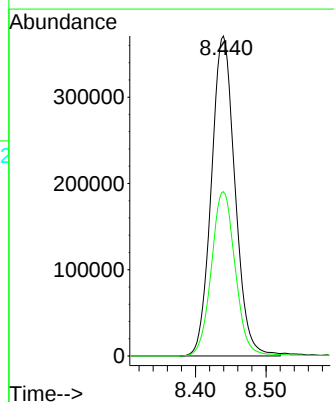
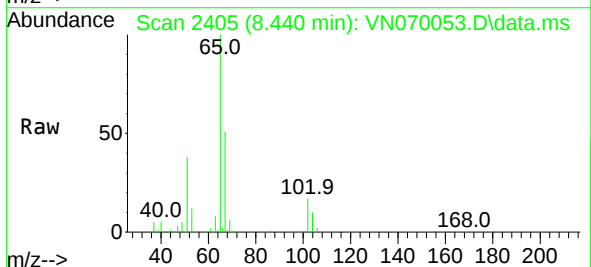


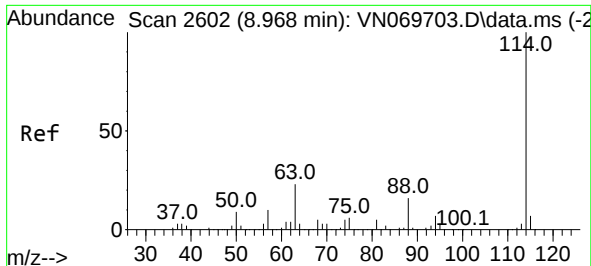
Tgt Ion: 56 Resp: 27692
Ion Ratio Lower Upper
56 100
69 155.5 27.1 40.7#
84 111.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.740 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

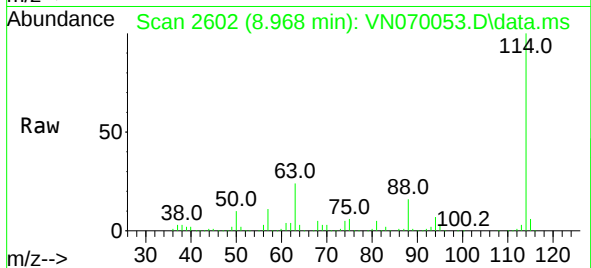
Tgt Ion: 65 Resp: 863546
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0



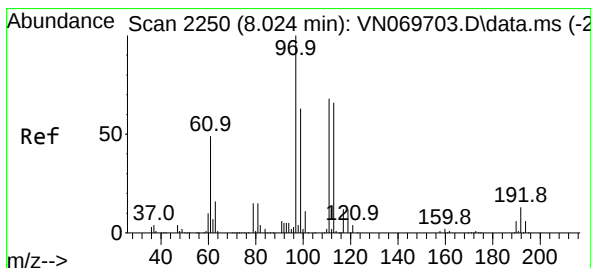
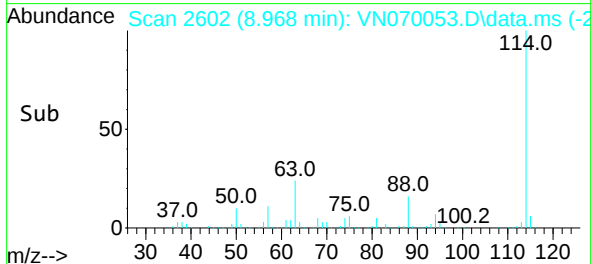
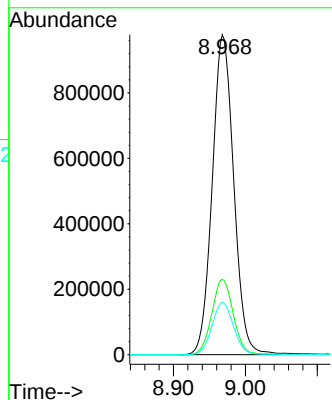


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2024170
Delta R.T. -0.000 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

Instrument :
MSVOA_N
ClientSampleId :

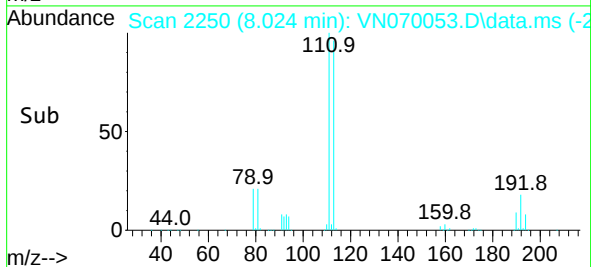
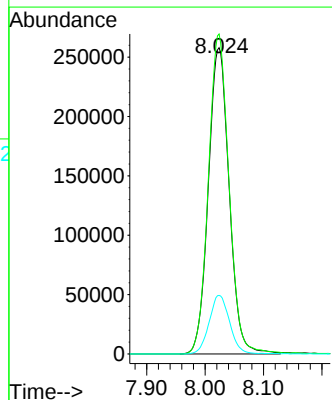
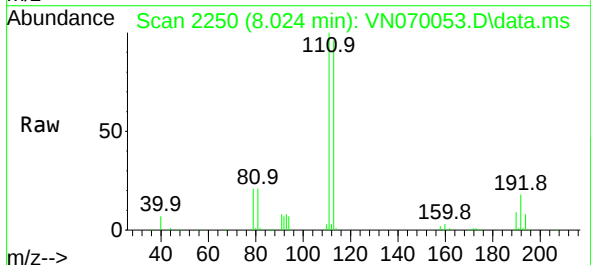


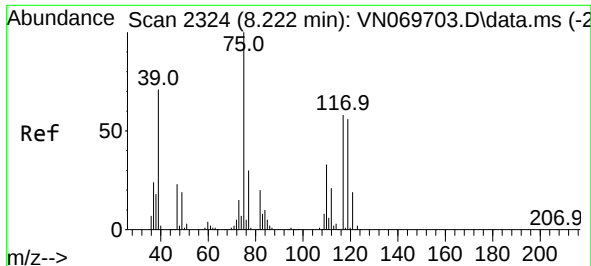
Tgt Ion:114 Resp: 2024170
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 50.498 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

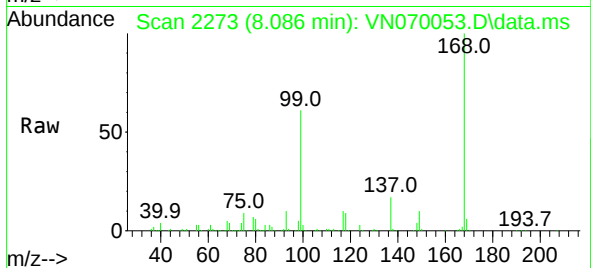
Tgt Ion:113 Resp: 640265
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 18.7 16.9 25.3



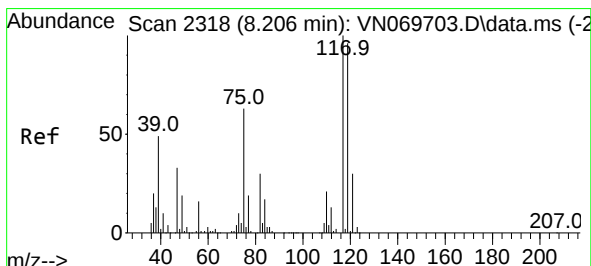
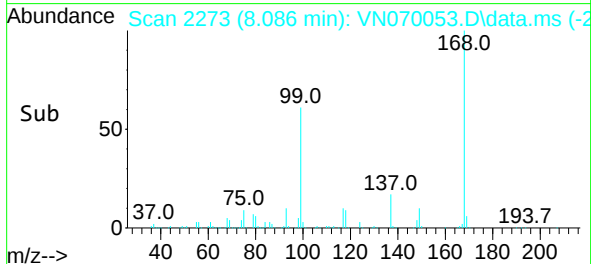
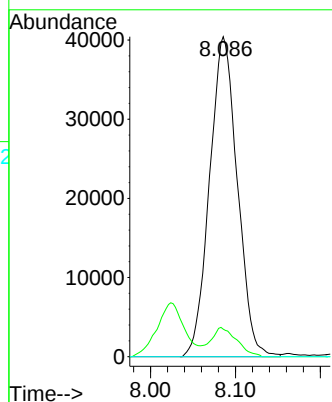


#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070053.D
 Acq: 14 Dec 2021 1:24

Instrument :
 MSVOA_N
 ClientSampleId :

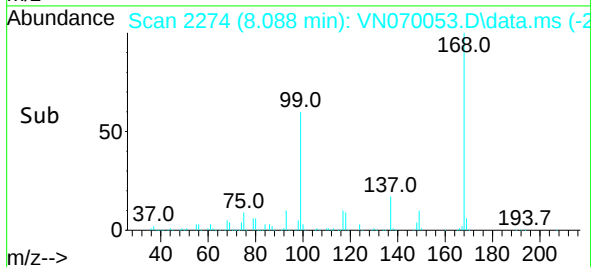
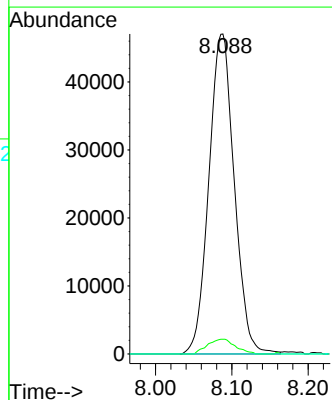
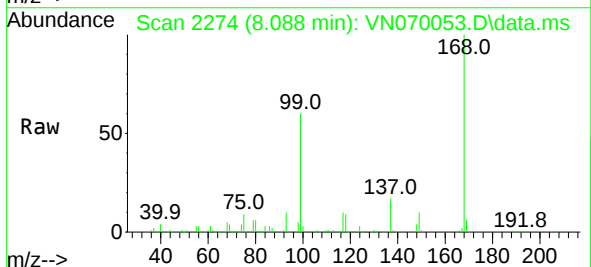


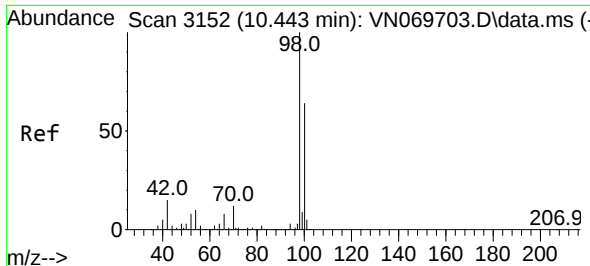
Tgt Ion: 75 Resp: 91947
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.768 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN070053.D
 Acq: 14 Dec 2021 1:24

Tgt Ion: 117 Resp: 108990
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.1 114.1#
 121 0.0 24.2 36.2#

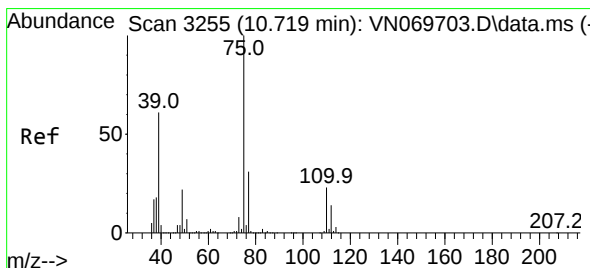
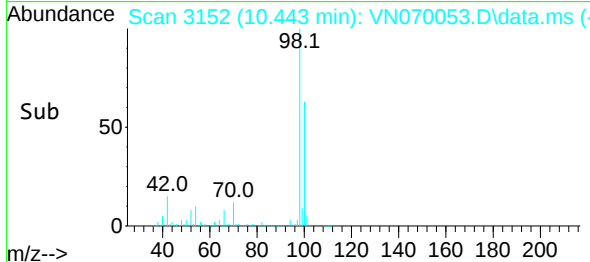
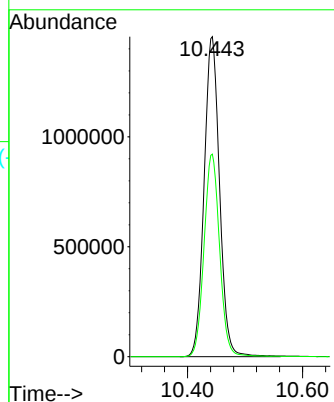
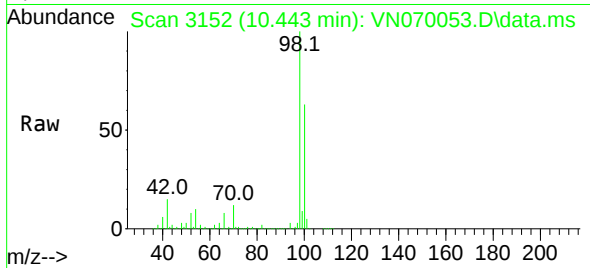




#50
Toluene-d8
Concen: 53.310 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

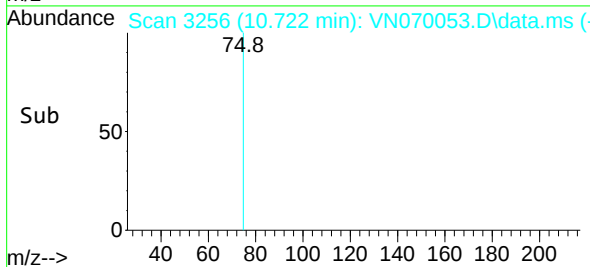
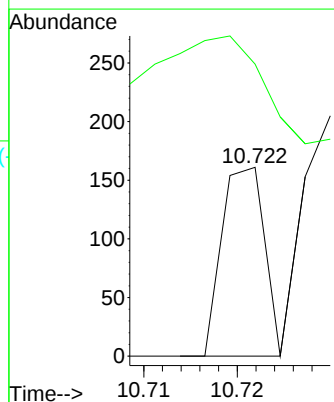
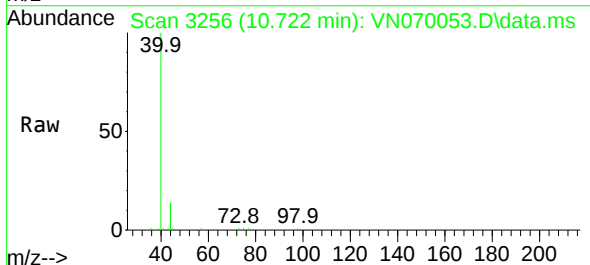
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MSVOA_N
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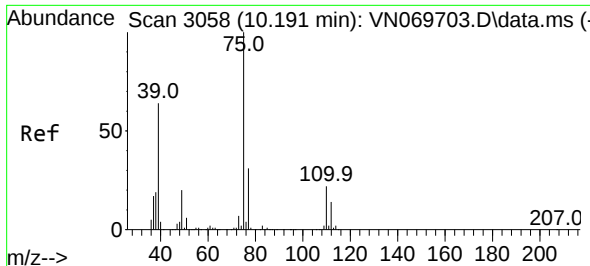
Tgt Ion: 98 Resp: 2714003
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

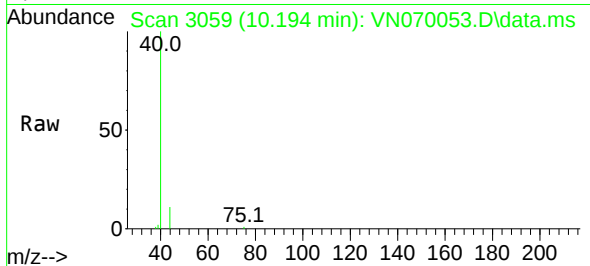
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 28.0 25.6 38.4



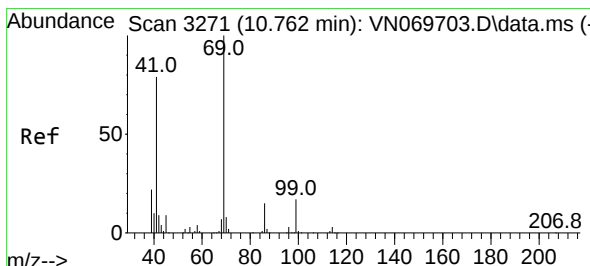
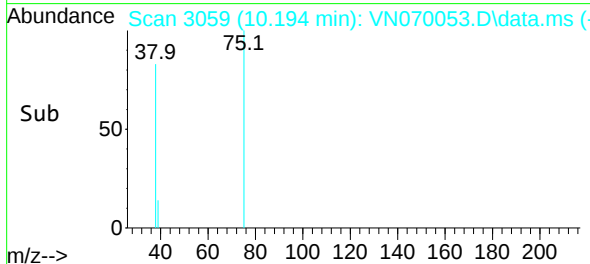
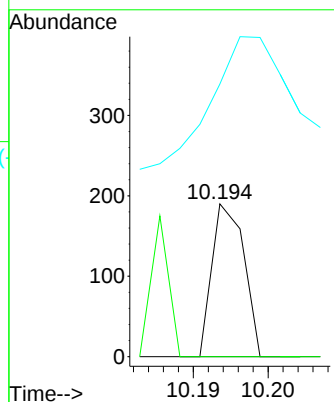


#54
 cis-1,3-Dichloropropene
 Concen: 2.001 ug/l
 RT: 10.194 min Scan# 3058
 Delta R.T. 0.003 min
 Lab File: VN070053.D
 Acq: 14 Dec 2021 1:24

Instrument :
 MSVOA_N
 ClientSampleId :

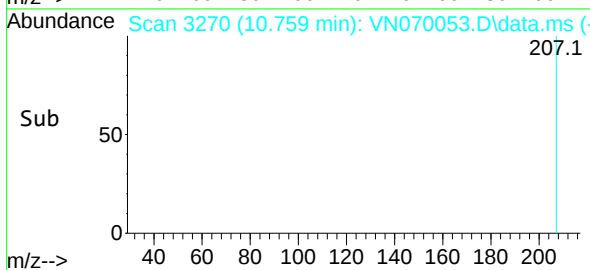
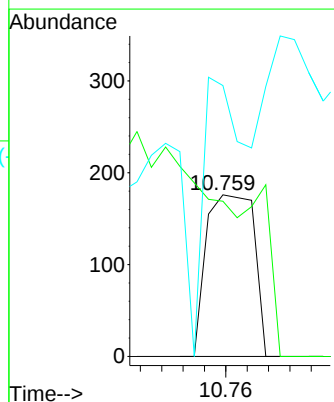
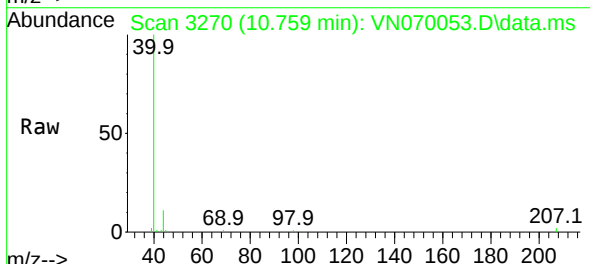


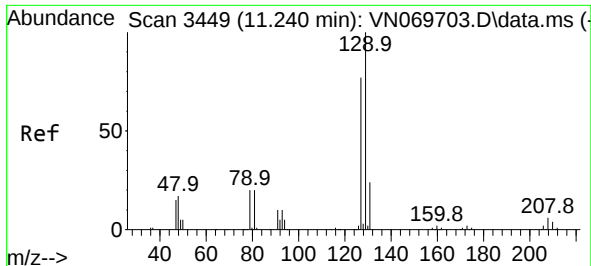
Tgt Ion: 75 Resp: 56
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 42.1 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.283 ug/l
 RT: 10.759 min Scan# 3270
 Delta R.T. -0.003 min
 Lab File: VN070053.D
 Acq: 14 Dec 2021 1:24

Tgt Ion: 69 Resp: 109
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 156.9 34.6 52.0#

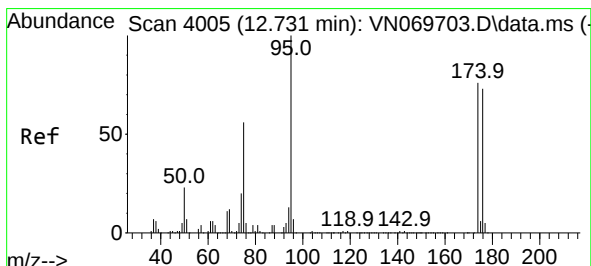
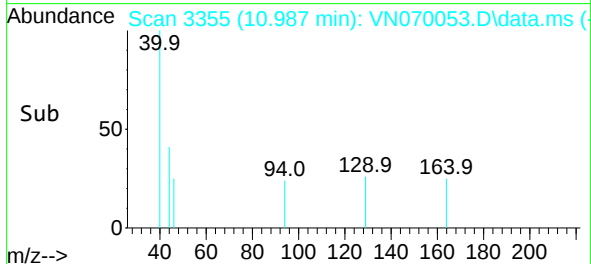
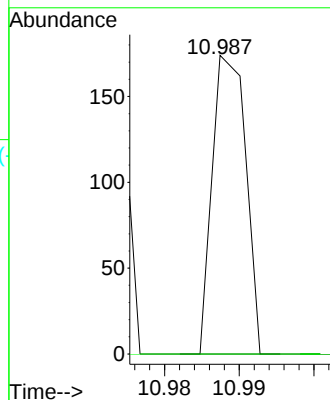
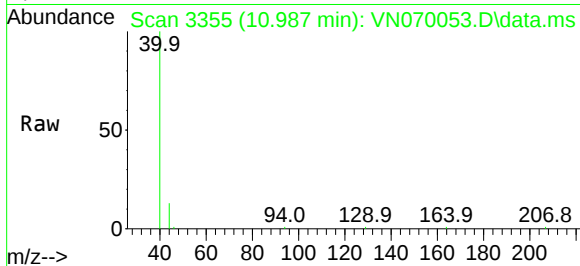




#60
Dibromochloromethane
Concen: 2.380 ug/l
RT: 10.987 min Scan# 31
Delta R.T. -0.253 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

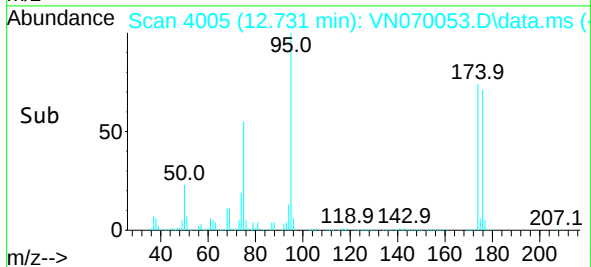
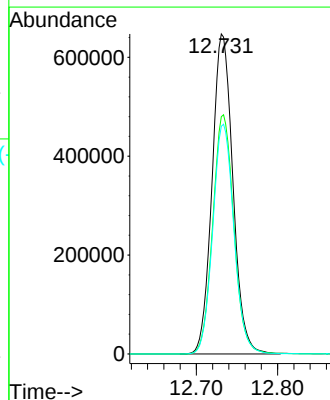
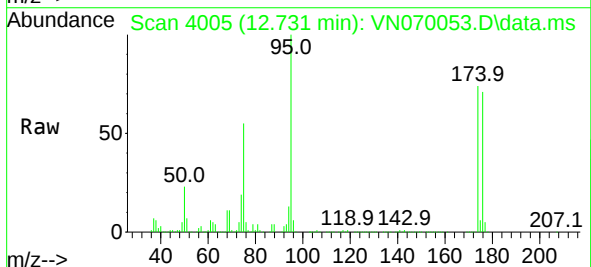
Instrument :
MSVOA_N
ClientSampleId :

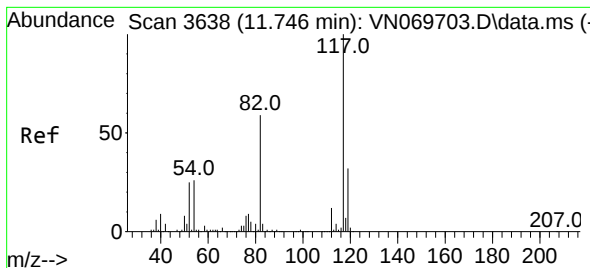
Tgt Ion:129 Resp: 54
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 62.483 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

Tgt Ion: 95 Resp: 1152423
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 73.0 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3638

Delta R.T. -0.002 min

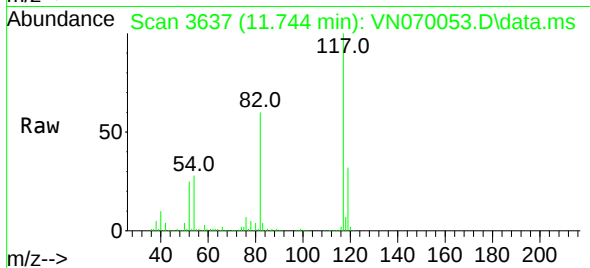
Lab File: VN070053.D

Acq: 14 Dec 2021 1:24

Instrument :

MSVOA_N

ClientSampleId :



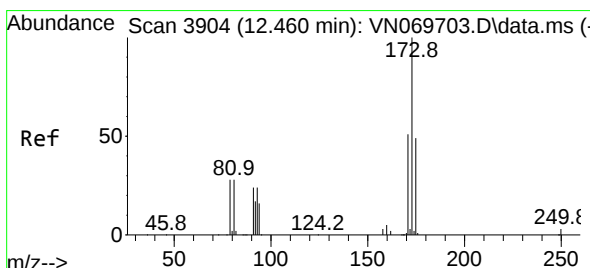
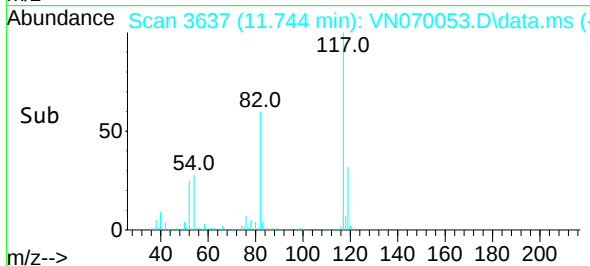
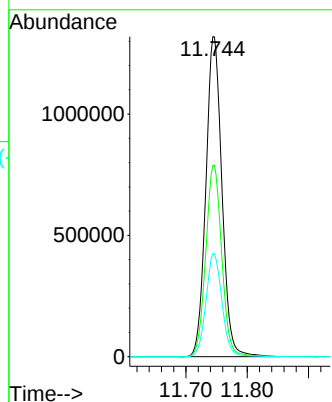
Tgt Ion:117 Resp: 2399839

Ion Ratio Lower Upper

117 100

82 59.7 42.4 63.6

119 32.2 25.4 38.2



#71

Bromoform

Concen: 2.735 ug/l

RT: 12.701 min Scan# 3994

Delta R.T. 0.241 min

Lab File: VN070053.D

Acq: 14 Dec 2021 1:24

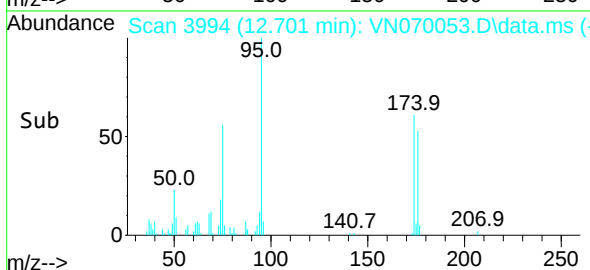
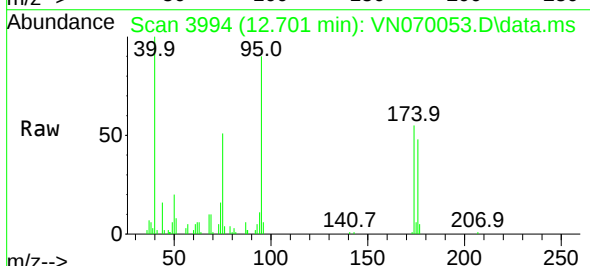
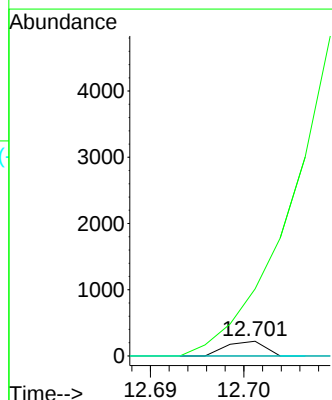
Tgt Ion:173 Resp: 64

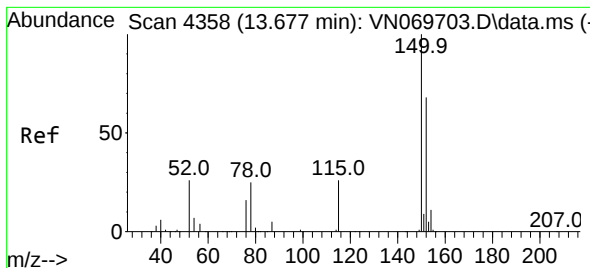
Ion Ratio Lower Upper

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# 41

Delta R.T. 0.000 min

Lab File: VN070053.D

Acq: 14 Dec 2021 1:24

Instrument :

MSVOA_N

ClientSampleId :

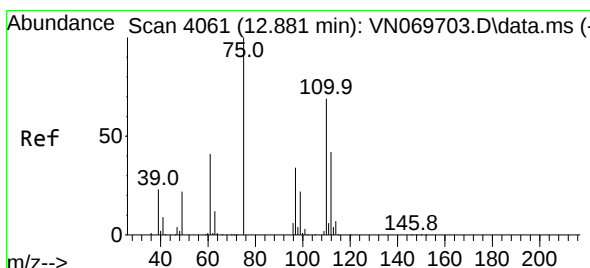
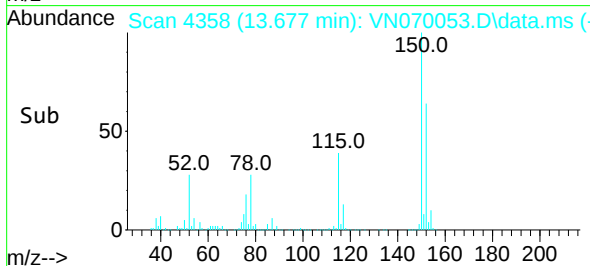
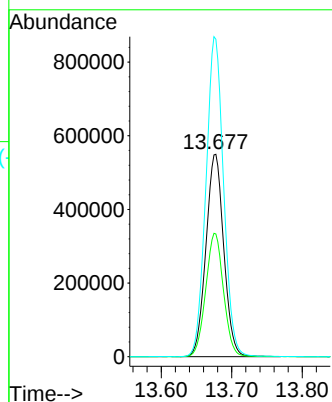
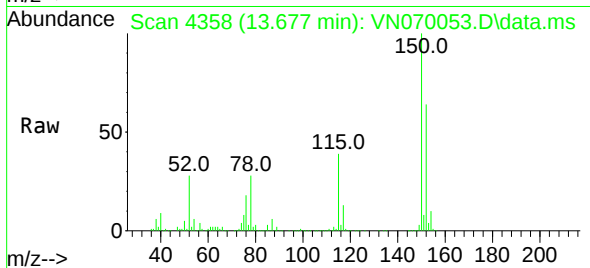
Tgt Ion:152 Resp: 965288

Ion Ratio Lower Upper

152 100

115 60.6 27.5 82.5

150 156.1 0.0 344.4



#76

1,2,3-Trichloropropane

Concen: 23.201 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN070053.D

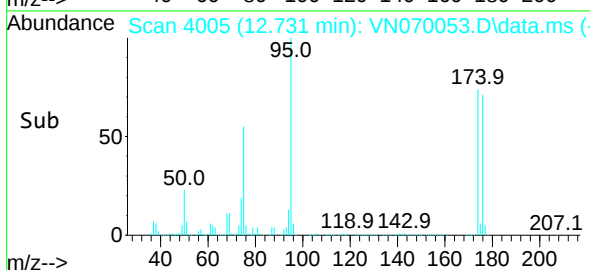
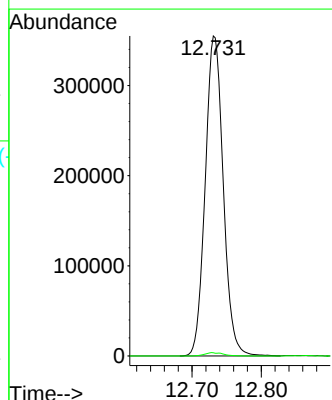
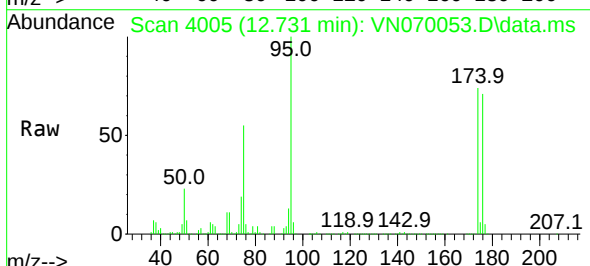
Acq: 14 Dec 2021 1:24

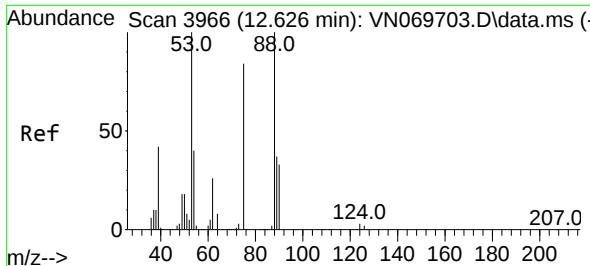
Tgt Ion: 75 Resp: 642267

Ion Ratio Lower Upper

75 100

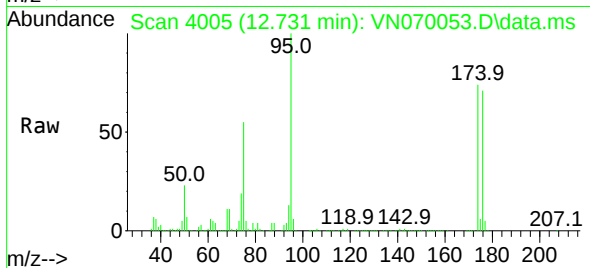
77 1.0 82.6 247.8#



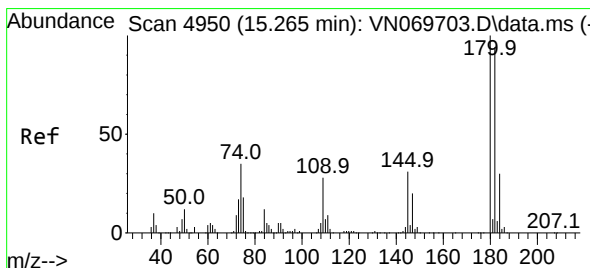
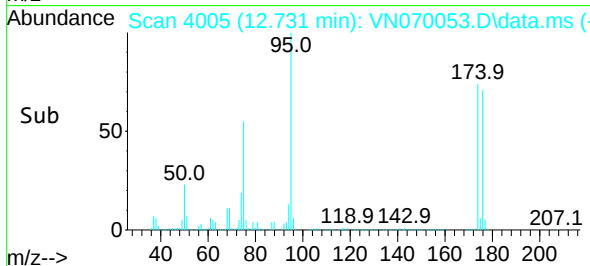
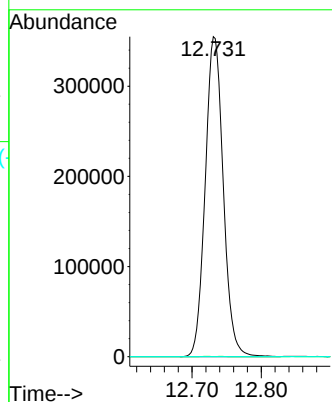


#81
trans-1,4-Dichloro-2-butene
Concen: 73.829 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

Instrument :
MSVOA_N
ClientSampleId :

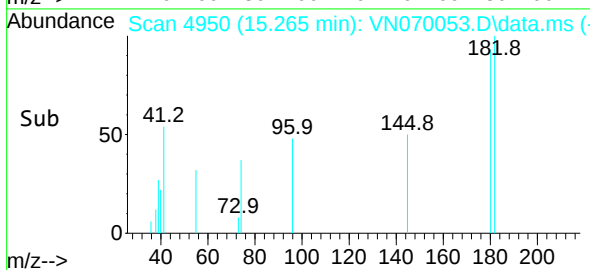
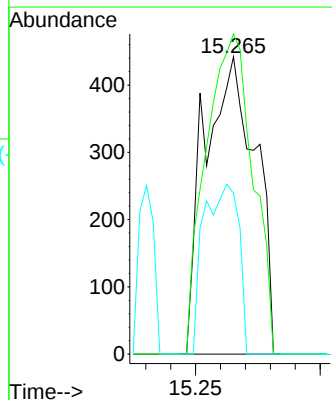
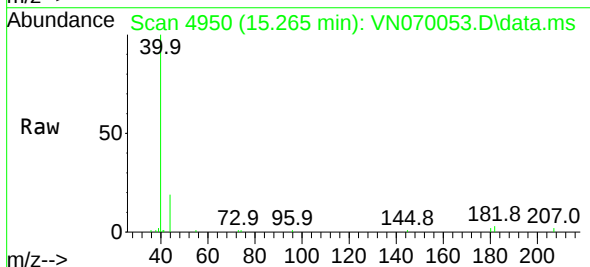


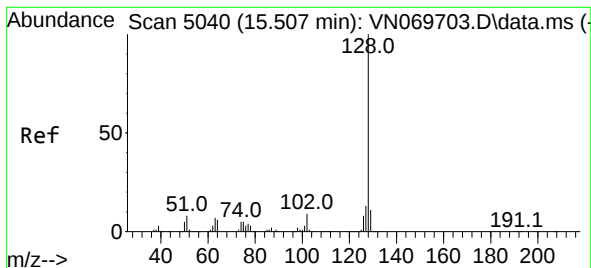
Tgt Ion: 75 Resp: 642267
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.915 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070053.D
Acq: 14 Dec 2021 1:24

Tgt Ion: 180 Resp: 626
Ion Ratio Lower Upper
180 100
182 99.7 48.3 144.9
145 39.5 14.5 43.5





#95

Naphthalene

Concen: 4.052 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN070053.D

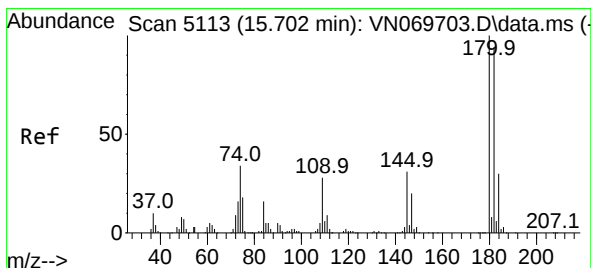
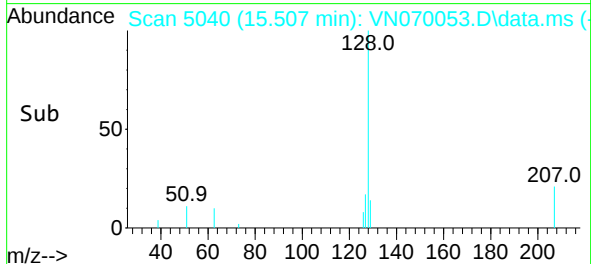
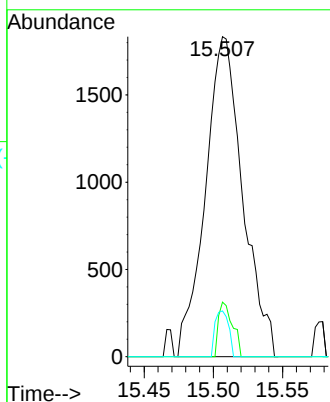
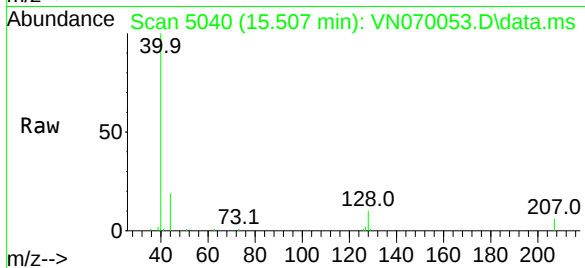
Acq: 14 Dec 2021 1:24

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	3440
Ion Ratio	Lower	Upper	
128	100		
127	6.4	10.5	15.7#
129	5.1	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.479 ug/l

RT: 15.697 min Scan# 5111

Delta R.T. -0.005 min

Lab File: VN070053.D

Acq: 14 Dec 2021 1:24

Tgt Ion:	180	Resp:	704
Ion Ratio	Lower	Upper	
180	100		
182	59.8	47.4	142.2
145	33.9	15.0	45.1

