

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070057.D
 Acq On : 14 Dec 2021 3:06
 Operator : JC/MD
 Sample : M5007-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 07:31:18 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	8.086	168	1161044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2214984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2573145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1030078	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	937821	52.315	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.620%	
35) Dibromofluoromethane	8.024	113	694410	50.050	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.100%	
50) Toluene-d8	10.440	98	2955949	53.060	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.120%	
62) 4-Bromofluorobenzene	12.731	95	1255301	62.198	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 124.400%	

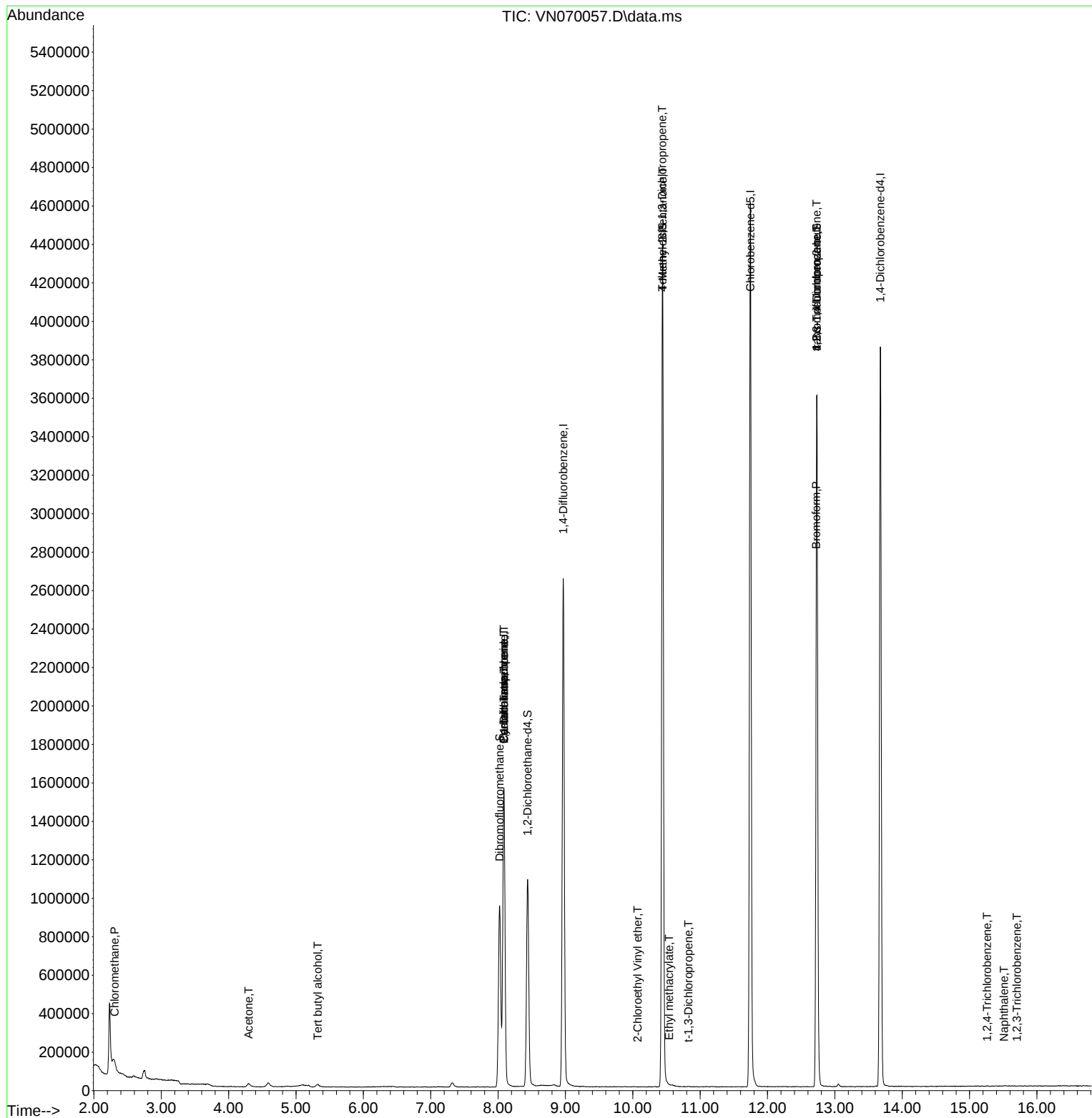
Target Compounds				Qvalue		
3) Chloromethane	2.306	50	5610	0.331	ug/l	93
11) Tert butyl alcohol	5.323	59	13755	4.059	ug/l #	71
16) Acetone	4.296	43	28586	2.651	ug/l	97
31) Cyclohexane	8.086	56	29761	1.193	ug/l #	25
36) 1,1-Dichloropropene	8.086	75	99537	4.721	ug/l #	49
38) Carbon Tetrachloride	8.086	117	119691	5.789	ug/l #	16
51) 4-Methyl-2-Pentanone	10.443	43	16834	0.559	ug/l #	1
53) t-1,3-Dichloropropene	10.824	75	52	2.796	ug/l #	43
54) cis-1,3-Dichloropropene	10.438	75	1027	2.035	ug/l #	1
56) Ethyl methacrylate	10.540	69	98	2.282	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.070	63	50	18.395	ug/l #	45
71) Bromoform	12.723	173	975	2.790	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	698157	23.634	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	698157	75.130	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	641	2.914	ug/l #	29
95) Naphthalene	15.512	128	1950	4.021	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.702	180	398	2.459	ug/l #	66

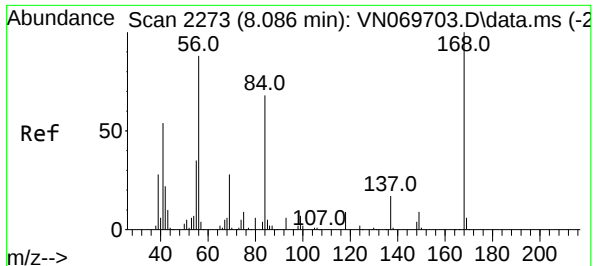
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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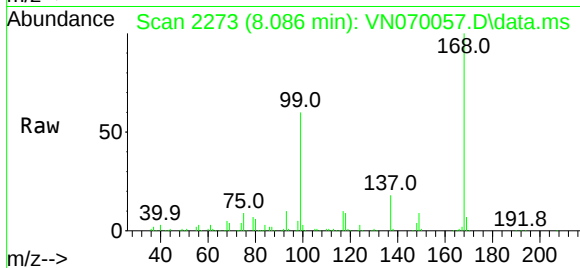
Quant Time: Dec 14 07:31:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



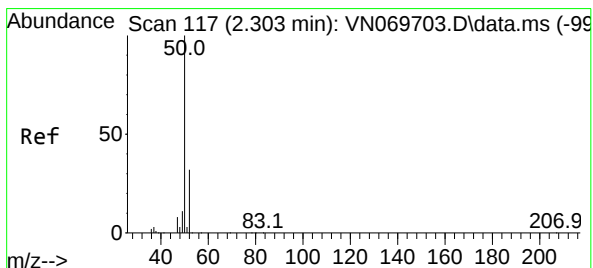
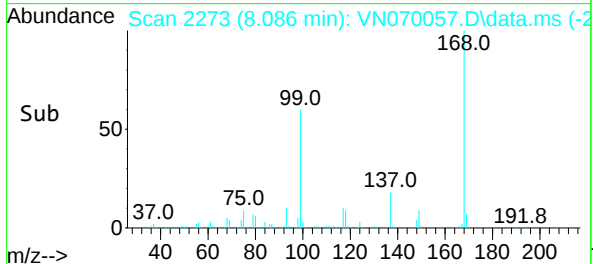
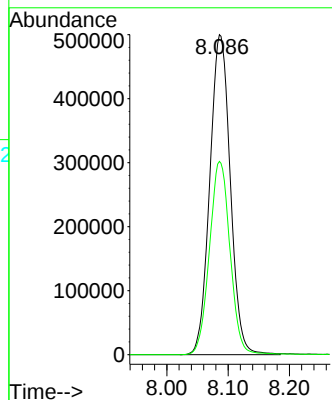


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

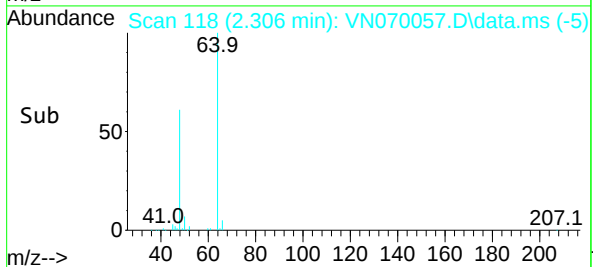
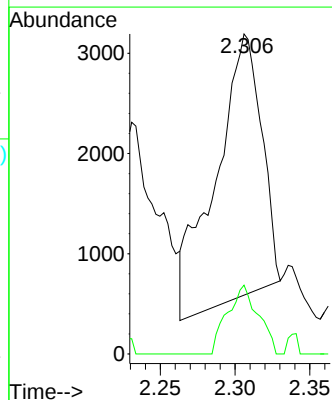
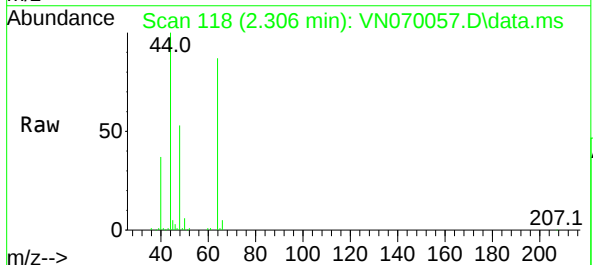


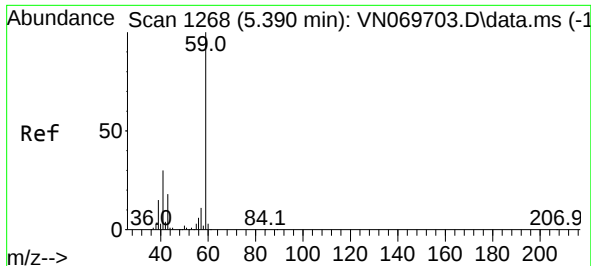
Tgt Ion:168 Resp: 1161044
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#3
Chloromethane
Concen: 0.331 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

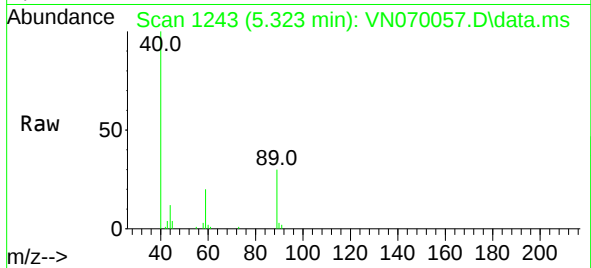
Tgt Ion: 50 Resp: 5610
Ion Ratio Lower Upper
50 100
52 27.8 25.4 38.0



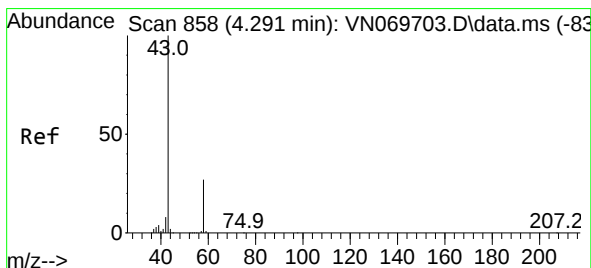
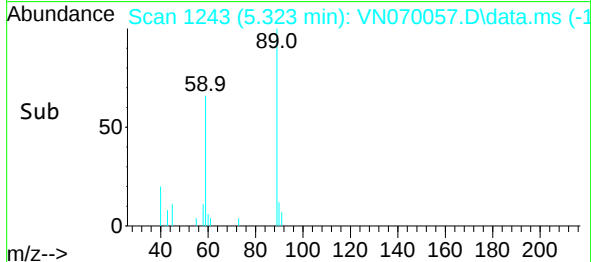
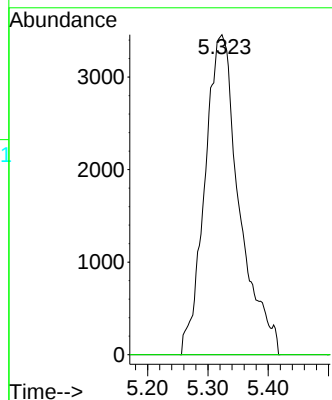


#11
Tert butyl alcohol
Concen: 4.059 ug/l
RT: 5.323 min Scan# 11
Delta R.T. -0.067 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

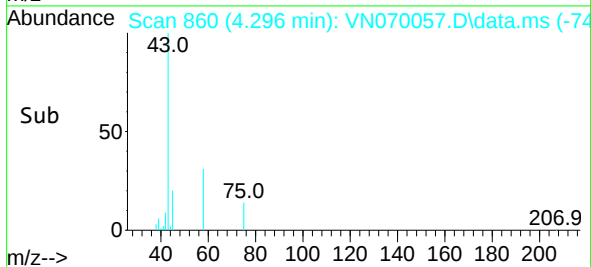
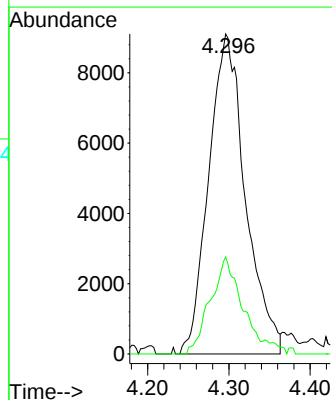
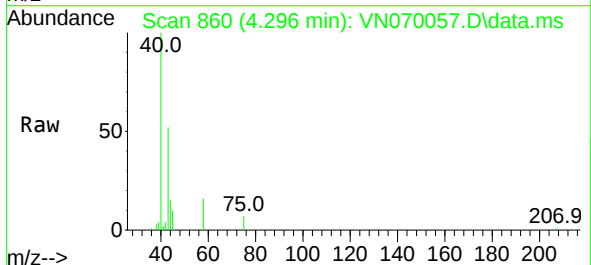


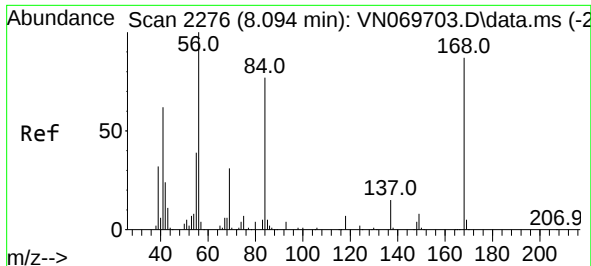
Tgt Ion: 59 Resp: 13755
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 2.651 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

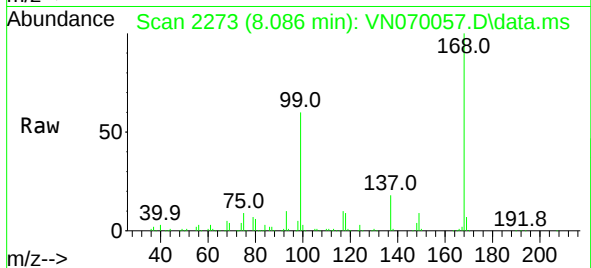
Tgt Ion: 43 Resp: 28586
Ion Ratio Lower Upper
43 100
58 30.3 23.1 34.7



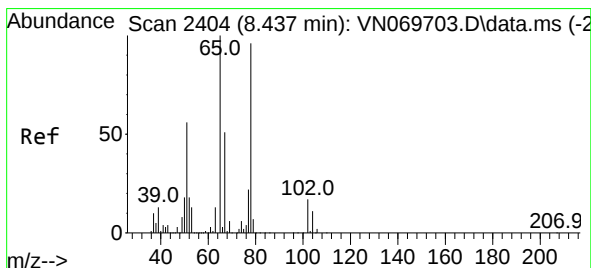
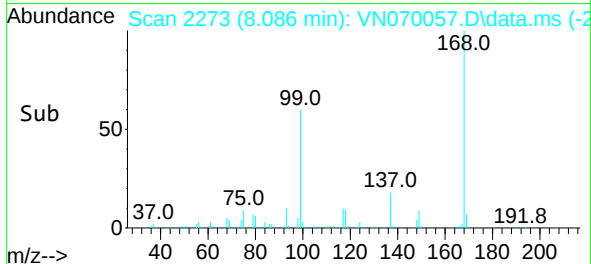
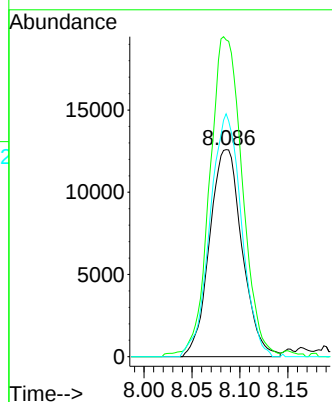


#31
Cyclohexane
Concen: 1.193 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

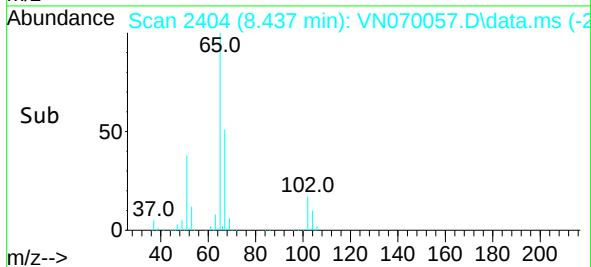
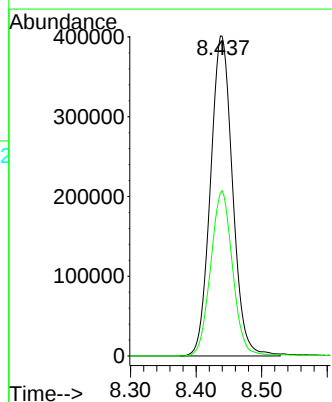
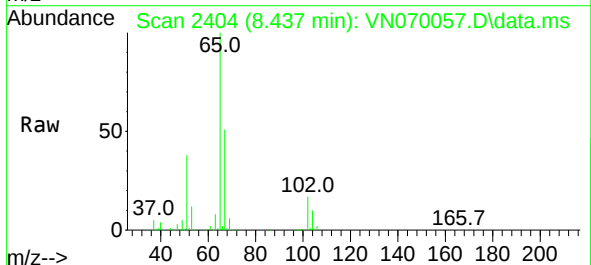


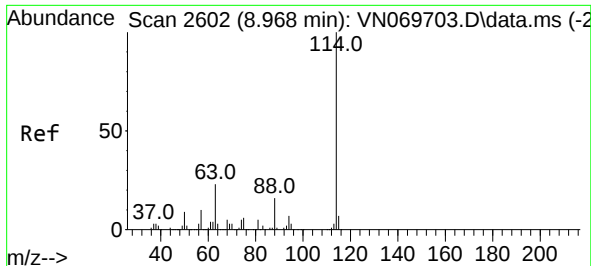
Tgt Ion: 56 Resp: 29761
Ion Ratio Lower Upper
56 100
69 151.4 27.1 40.7#
84 117.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.315 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

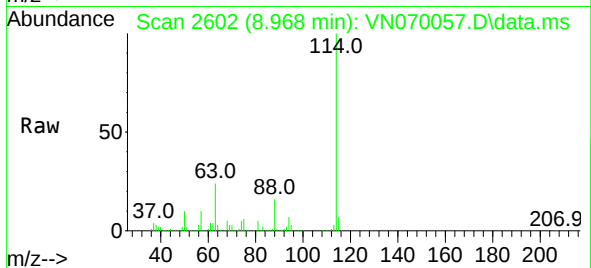
Tgt Ion: 65 Resp: 937821
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0



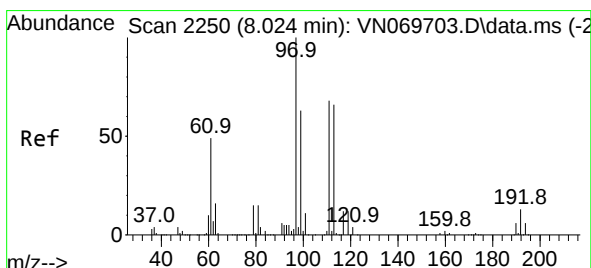
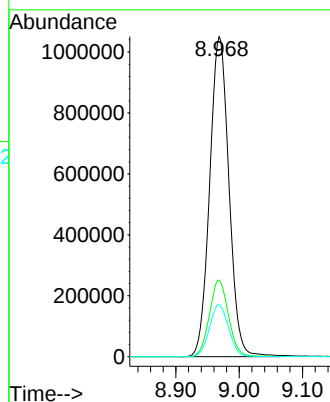
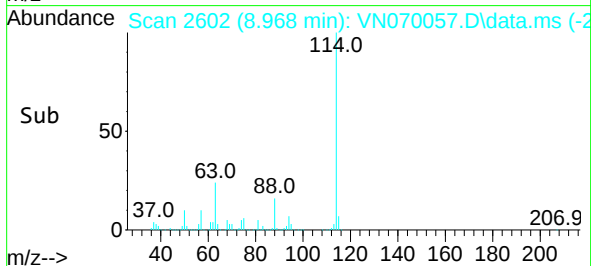


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

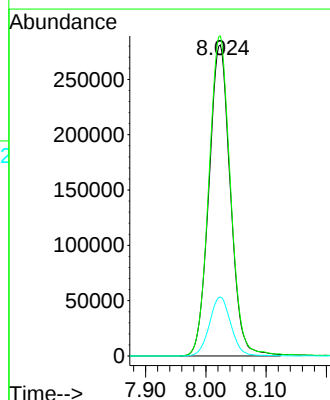
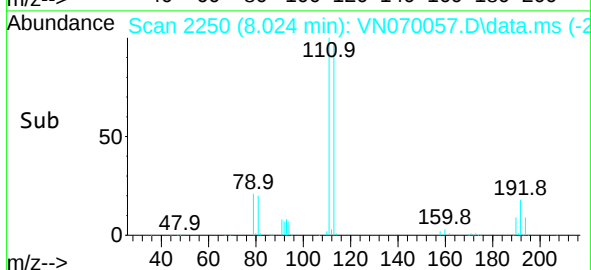
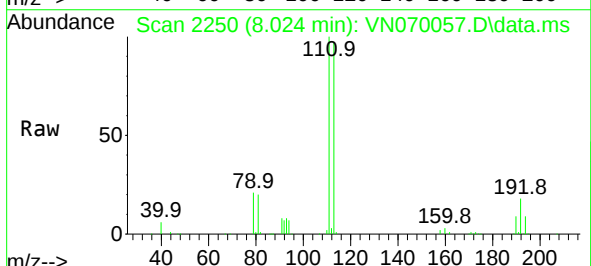


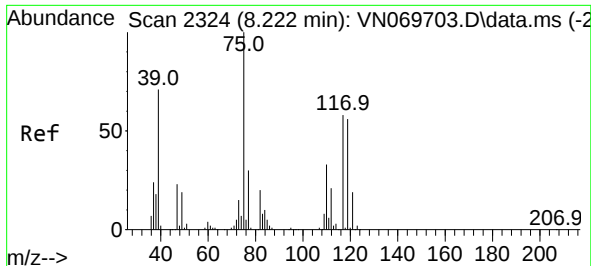
Tgt Ion:114 Resp: 2214984
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 50.050 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

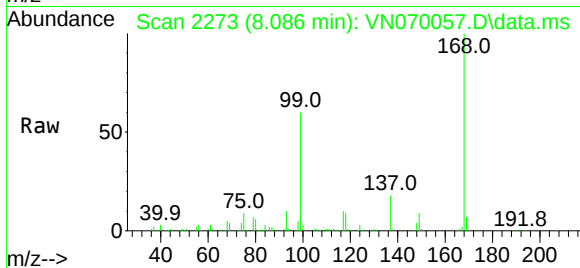
Tgt Ion:113 Resp: 694410
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.0 16.9 25.3



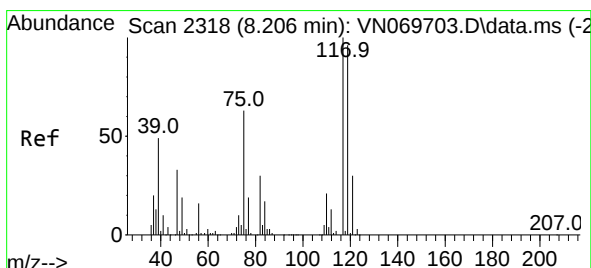
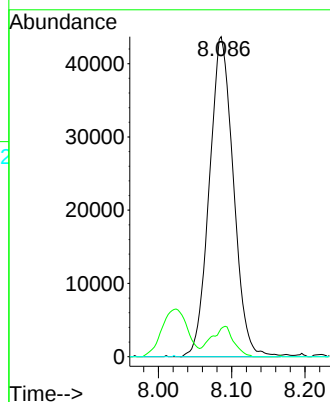
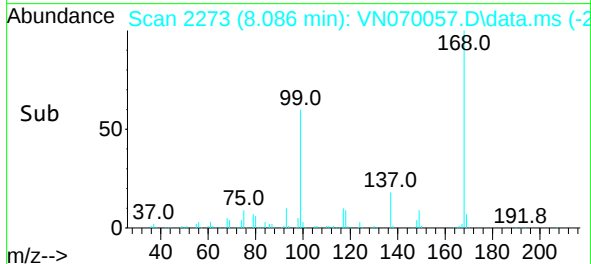


#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

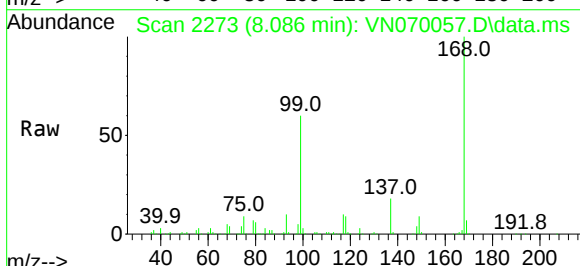
Instrument :
MSVOA_N
ClientSampleId :



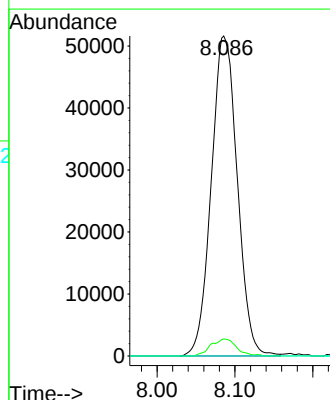
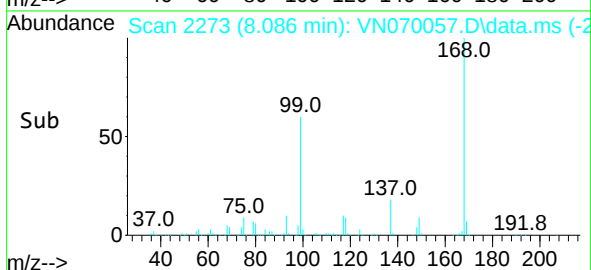
Tgt Ion: 75 Resp: 99537
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#

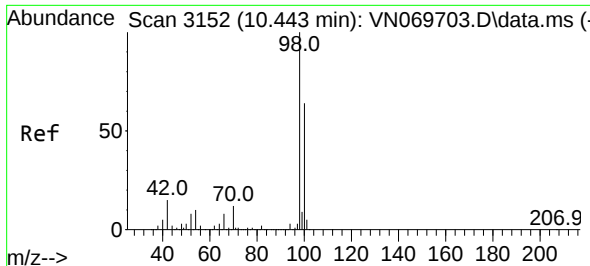


#38
Carbon Tetrachloride
Concen: 5.789 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06



Tgt Ion: 117 Resp: 119691
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#

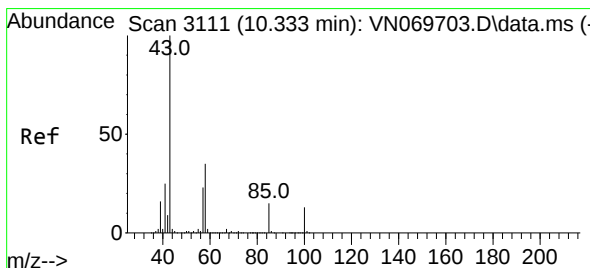
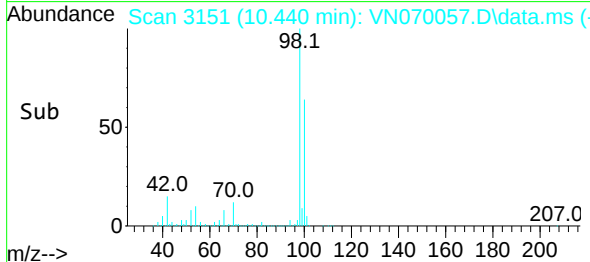
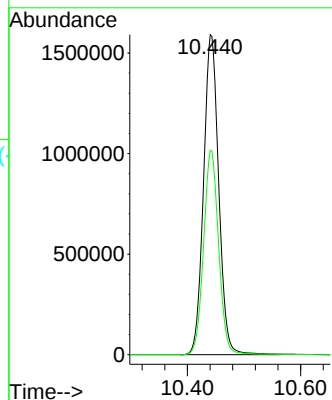
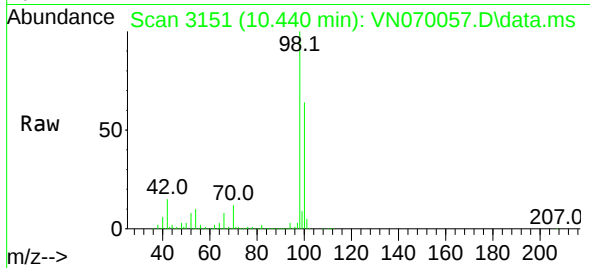




#50
Toluene-d8
Concen: 53.060 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

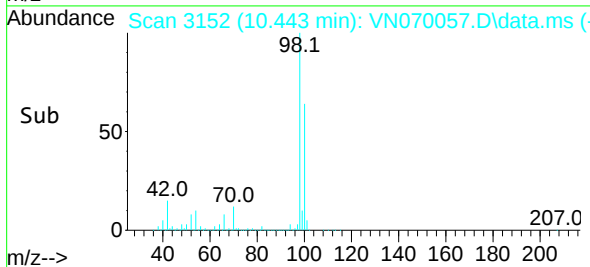
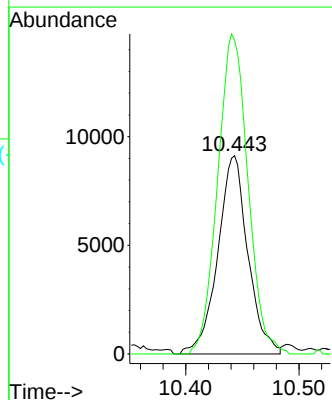
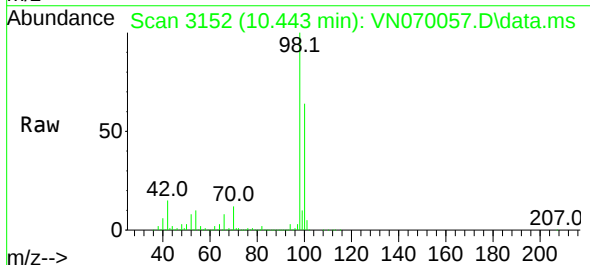
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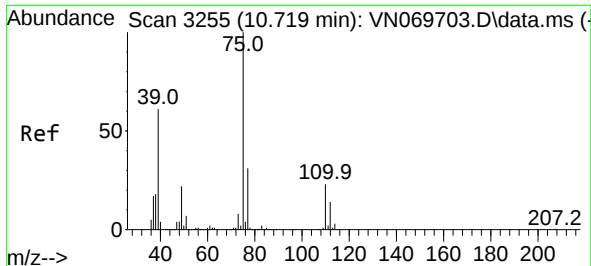
Tgt Ion: 98 Resp: 2955949
Ion Ratio Lower Upper
98 100
100 63.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.559 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.110 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

Tgt Ion: 43 Resp: 16834
Ion Ratio Lower Upper
43 100
58 162.4 30.4 45.6#

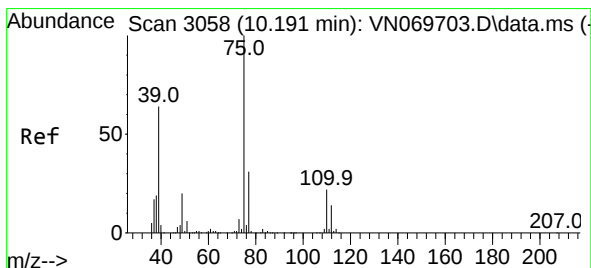
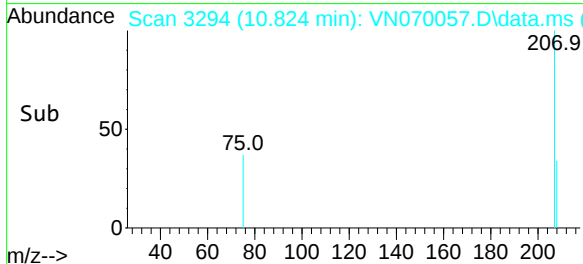
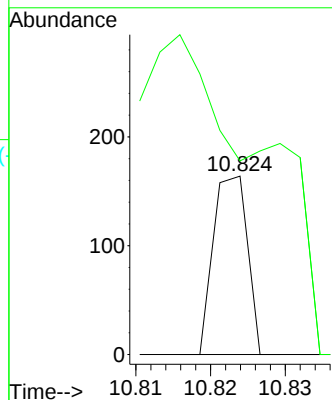
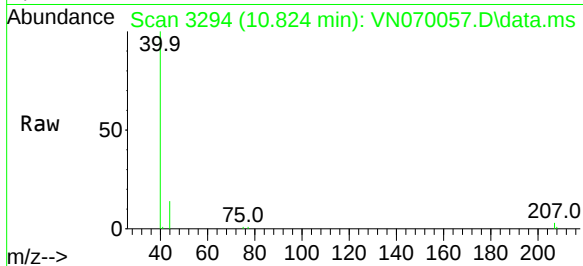




#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.824 min Scan# 3150
Delta R.T. 0.105 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

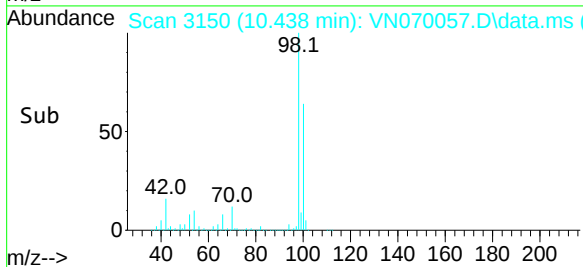
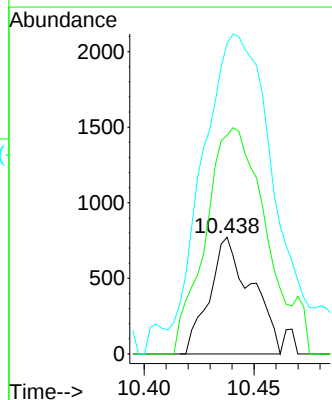
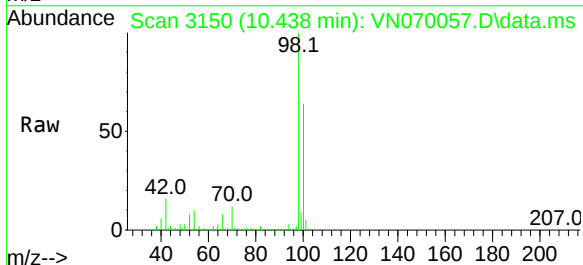
Instrument :
MSVOA_N
ClientSampleId :

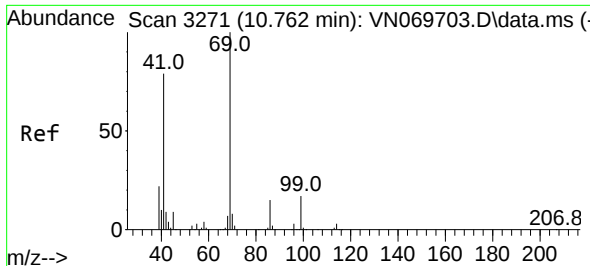
Tgt Ion: 75 Resp: 52
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.035 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.247 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

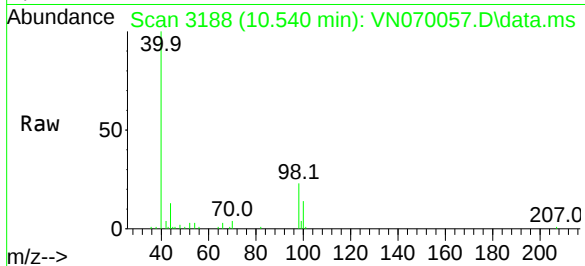
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Ion Ratio Lower Upper
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77 157.1 26.4 39.6#
39 223.3 42.5 63.7#



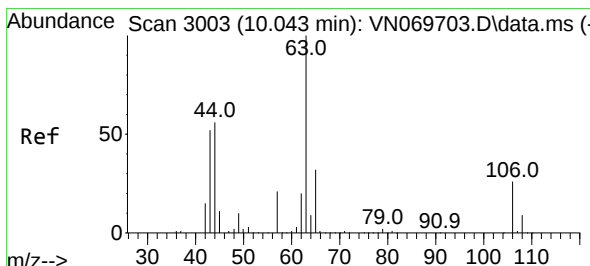
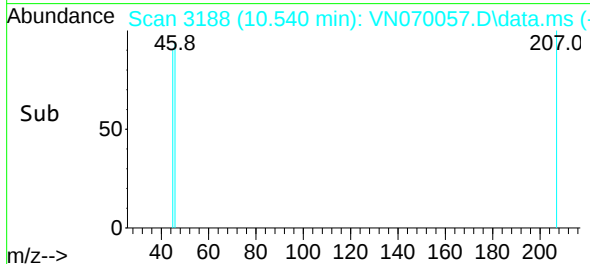
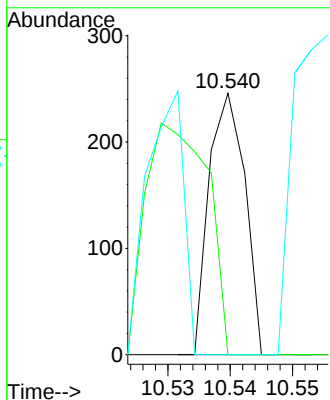


#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.540 min Scan# 31
Delta R.T. -0.222 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

Instrument :
MSVOA_N
ClientSampleId :

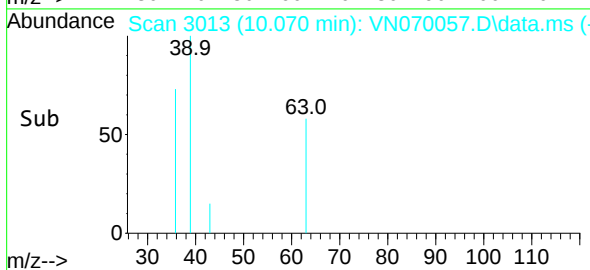
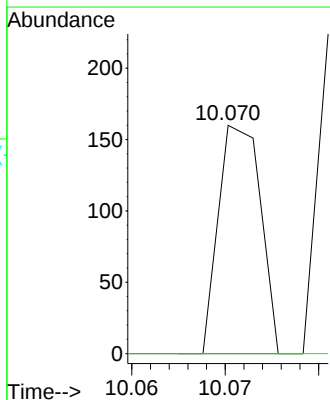
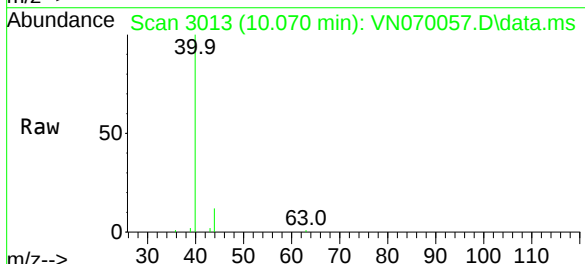


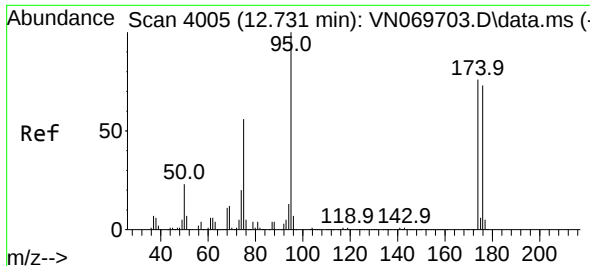
Tgt Ion: 69 Resp: 98
Ion Ratio Lower Upper
69 100
41 154.1 51.4 77.0#
39 103.1 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.395 ug/l
RT: 10.070 min Scan# 3013
Delta R.T. 0.027 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

Tgt Ion: 63 Resp: 50
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

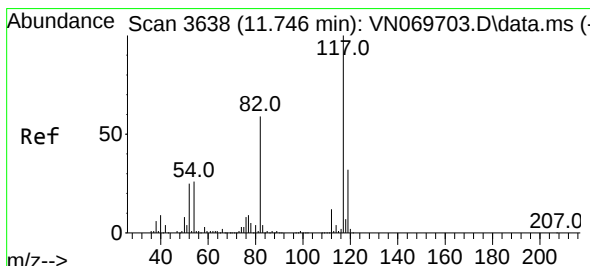
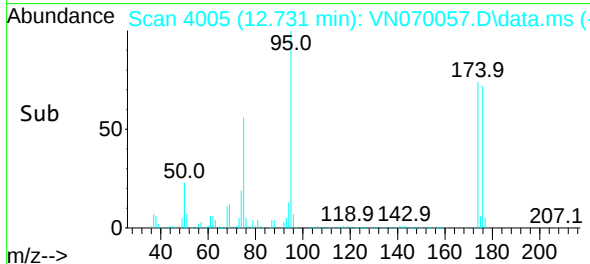
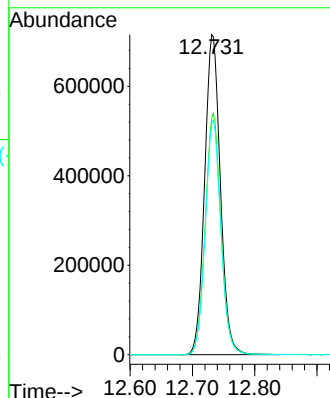
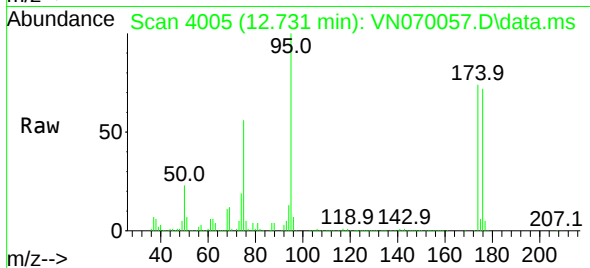




#62
4-Bromofluorobenzene
Concen: 62.198 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

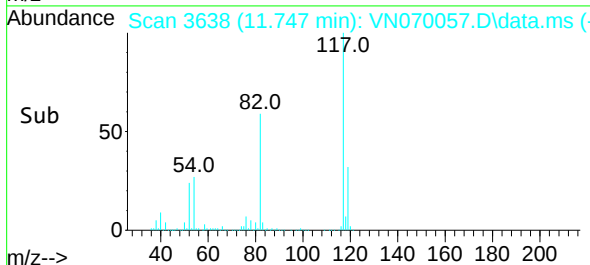
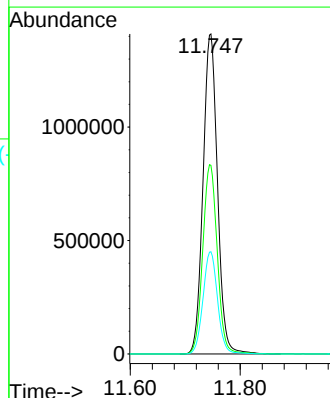
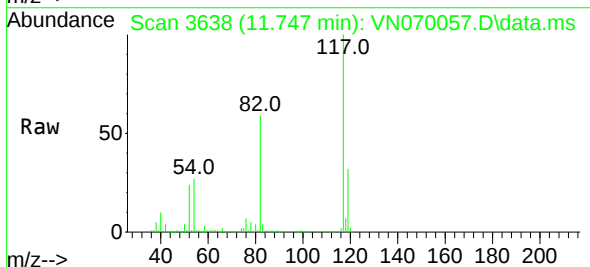
Instrument :
MSVOA_N
ClientSampleId :

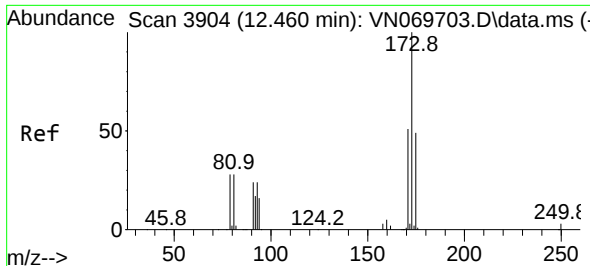
Tgt Ion: 95 Resp: 1255301
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

Tgt Ion: 117 Resp: 2573145
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 31.9 25.4 38.2

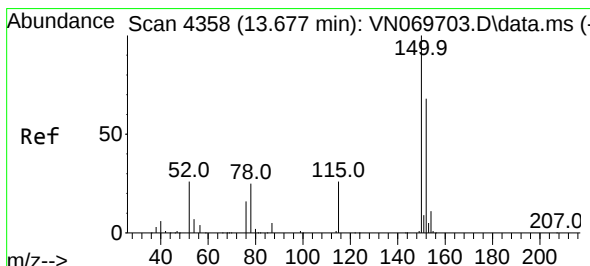
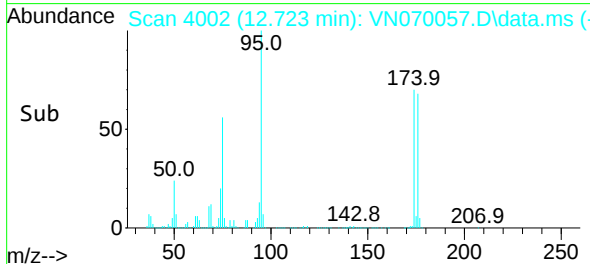
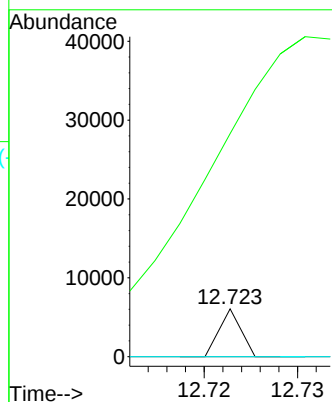
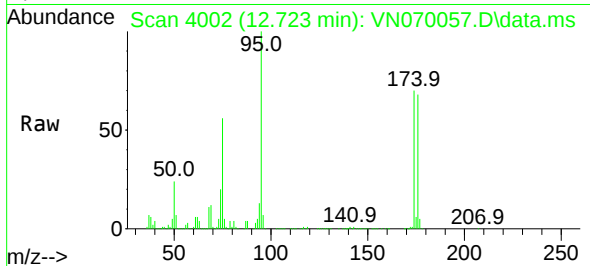




#71
Bromoform
Concen: 2.790 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

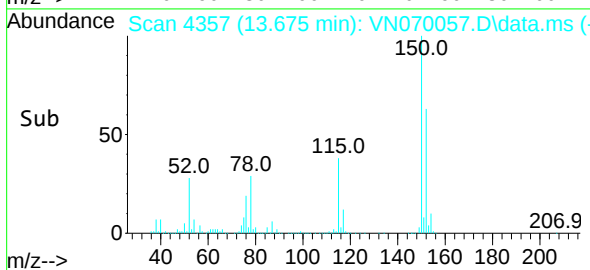
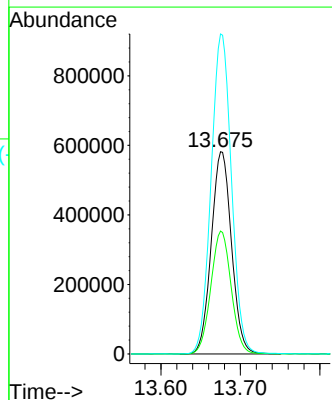
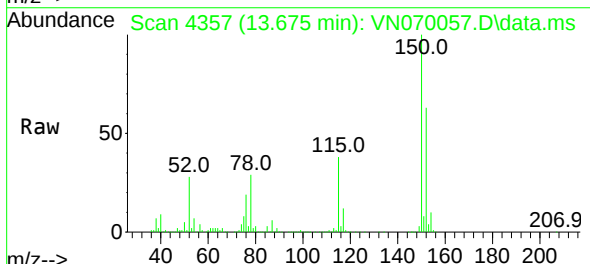
Instrument :
MSVOA_N
ClientSampleId :

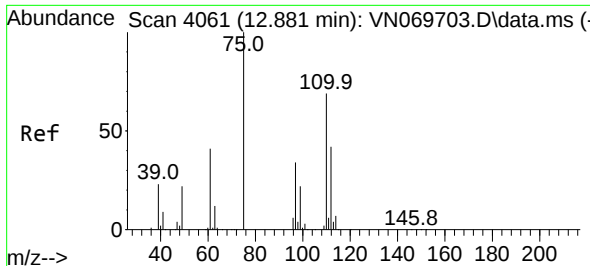
Tgt Ion:173 Resp: 975
Ion Ratio Lower Upper
173 100
175 6803.5 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

Tgt Ion:152 Resp: 1030078
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 159.3 0.0 344.4

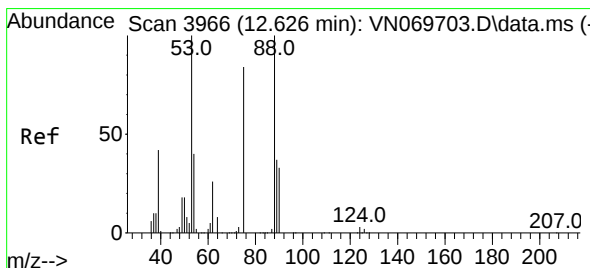
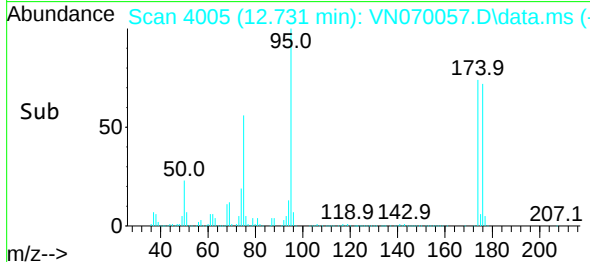
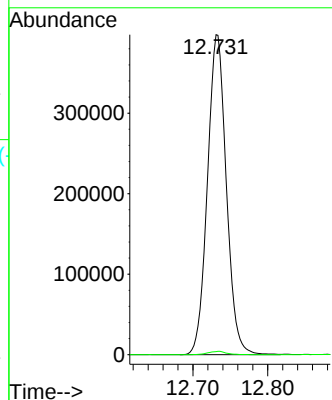
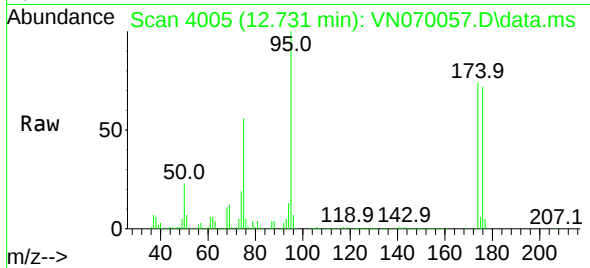




#76
1,2,3-Trichloropropane
Concen: 23.634 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

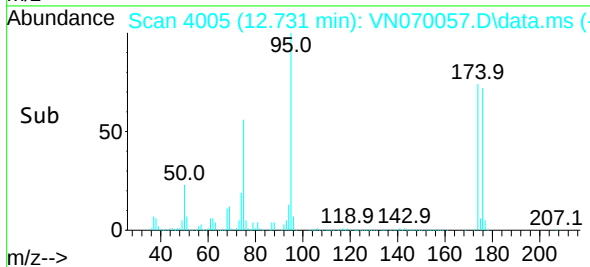
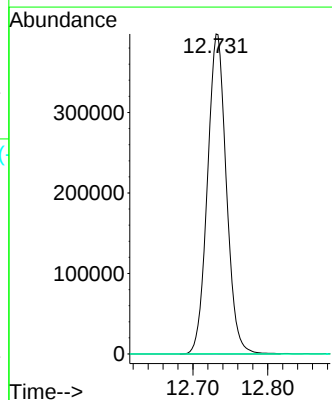
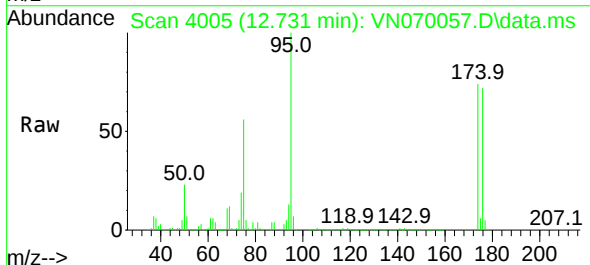
Instrument :
MSVOA_N
ClientSampleId :

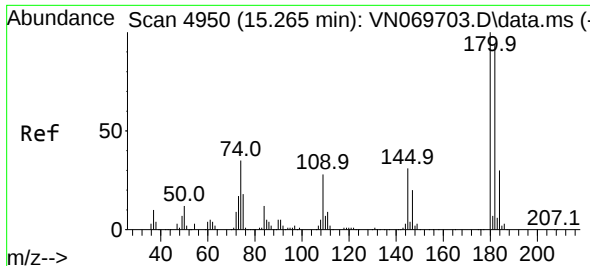
Tgt Ion: 75 Resp: 698157
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.130 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070057.D
Acq: 14 Dec 2021 3:06

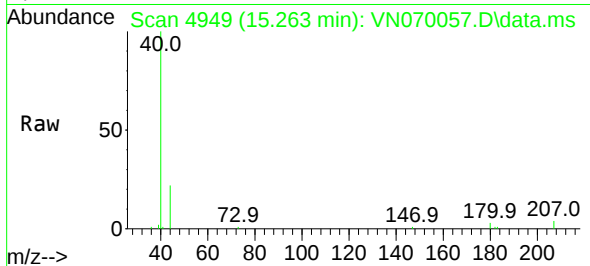
Tgt Ion: 75 Resp: 698157
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



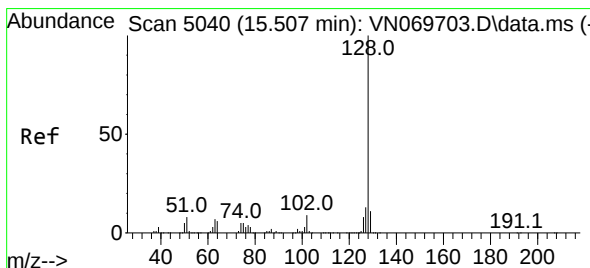
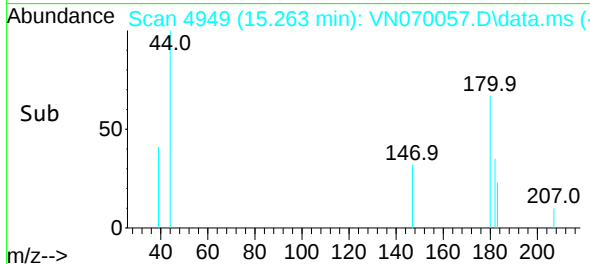
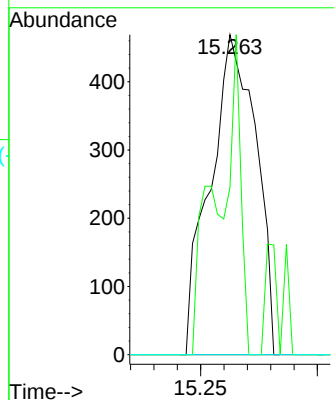


#93
 1,2,4-Trichlorobenzene
 Concen: 2.914 ug/l
 RT: 15.263 min Scan# 4950
 Delta R.T. -0.002 min
 Lab File: VN070057.D
 Acq: 14 Dec 2021 3:06

Instrument :
 MSVOA_N
 ClientSampleId :

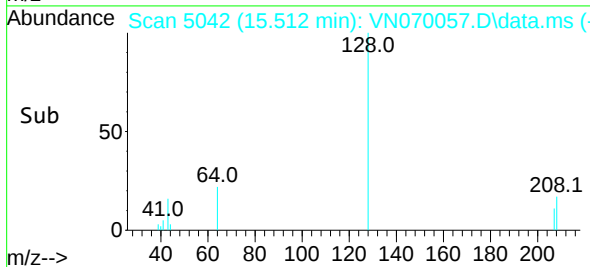
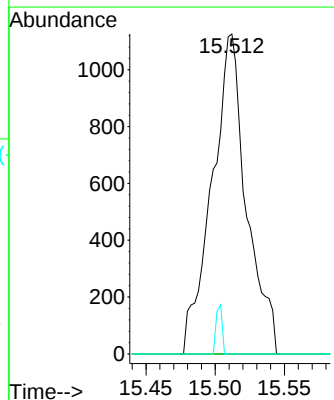
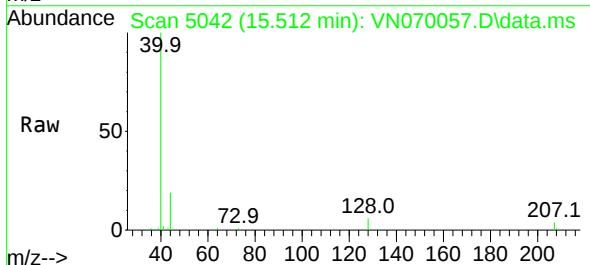


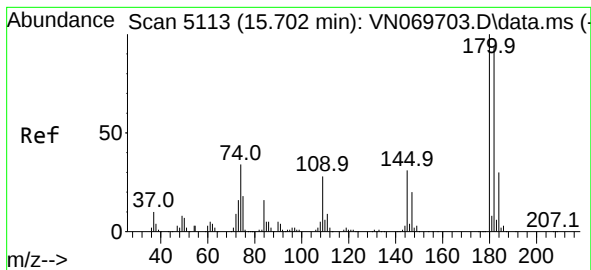
Tgt Ion:180 Resp: 641
 Ion Ratio Lower Upper
 180 100
 182 22.6 48.3 144.9#
 145 0.0 14.5 43.5#



#95
 Naphthalene
 Concen: 4.021 ug/l
 RT: 15.512 min Scan# 5042
 Delta R.T. 0.005 min
 Lab File: VN070057.D
 Acq: 14 Dec 2021 3:06

Tgt Ion:128 Resp: 1950
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 2.7 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.459 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

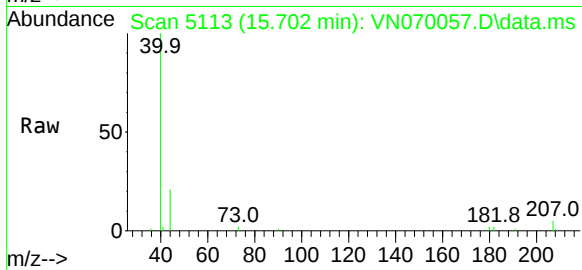
Lab File: VN070057.D

Acq: 14 Dec 2021 3:06

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 398

Ion Ratio Lower Upper

180 100

182 120.6 47.4 142.2

145 0.0 15.0 45.1#

