

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070090.D
 Acq On : 14 Dec 2021 23:55
 Operator : JC/MD
 Sample : VN1214WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 05:26:06 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

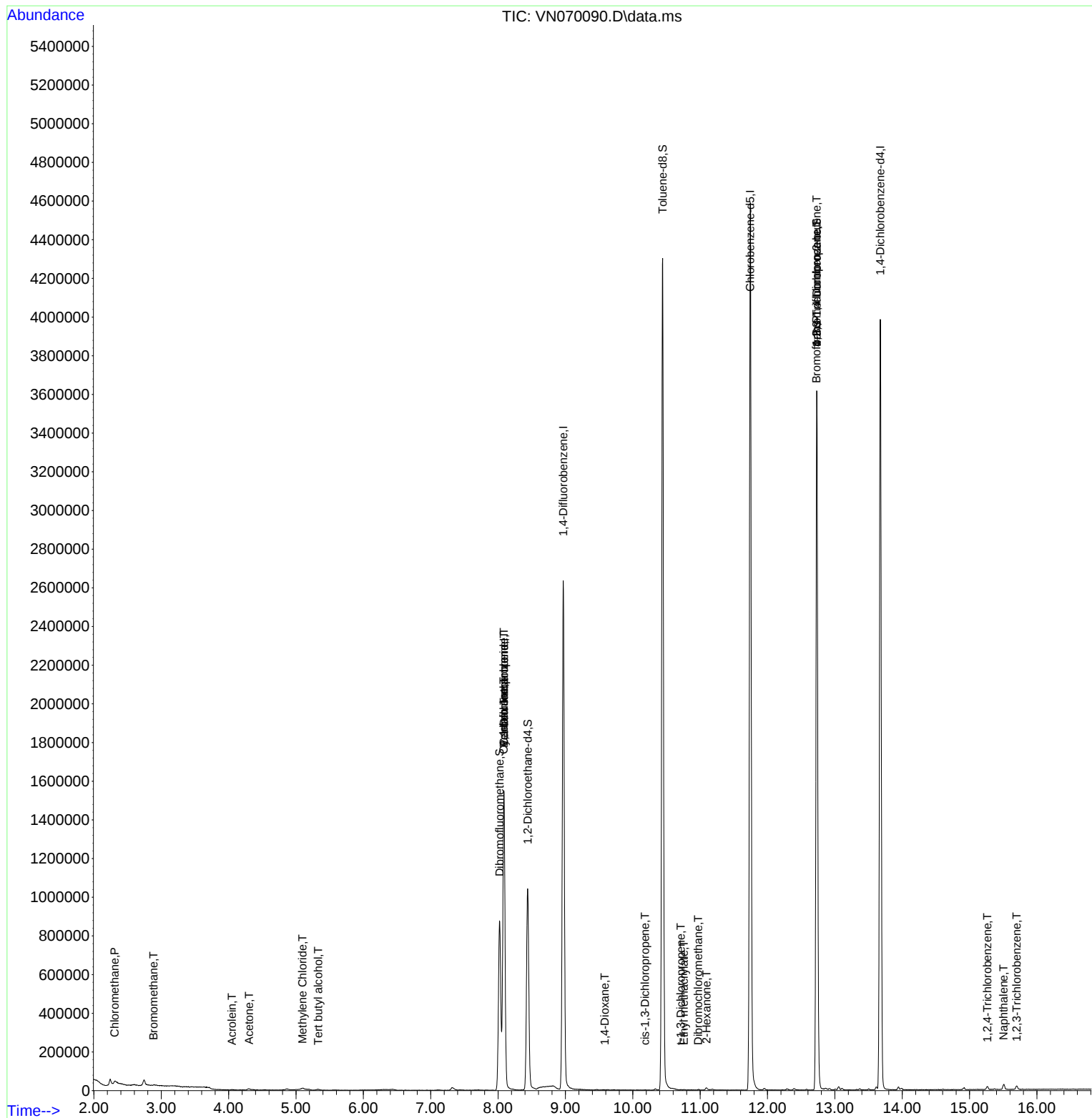
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1140996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2191520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2576307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1067520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	925626	52.542	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.080%	
35) Dibromofluoromethane	8.021	113	647209	47.148	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 94.300%	
50) Toluene-d8	10.443	98	2918753	52.953	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.900%	
62) 4-Bromofluorobenzene	12.731	95	1283189	64.261	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 128.520%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	3792	0.227	ug/l	93
5) Bromomethane	2.882	94	1842	0.221	ug/l	82
11) Tert butyl alcohol	5.331	59	2372	0.712	ug/l #	71
13) Acrolein	4.046	56	1139	0.402	ug/l #	59
16) Acetone	4.304	43	7130	0.673	ug/l	92
20) Methylene Chloride	5.095	84	3037	0.216	ug/l #	88
31) Cyclohexane	8.083	56	29553	1.205	ug/l #	29
36) 1,1-Dichloropropene	8.085	75	99331	4.761	ug/l #	49
38) Carbon Tetrachloride	8.085	117	118595	5.797	ug/l #	16
49) 1,4-Dioxane	9.582	88	203	0.528	ug/l #	65
53) t-1,3-Dichloropropene	10.711	75	705	2.820	ug/l #	43
54) cis-1,3-Dichloropropene	10.183	75	420	2.014	ug/l #	33
56) Ethyl methacrylate	10.757	69	646	2.300	ug/l #	51
59) 2-Hexanone	11.095	43	10943	0.485	ug/l	79
60) Dibromochloromethane	10.971	129	480	2.403	ug/l #	11
71) Bromoform	12.728	173	2985	2.910	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	708570	23.145	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	708570	73.660	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	5575	3.178	ug/l	94
95) Naphthalene	15.504	128	25525	4.435	ug/l	97
96) 1,2,3-Trichlorobenzene	15.700	180	6749	2.812	ug/l	98

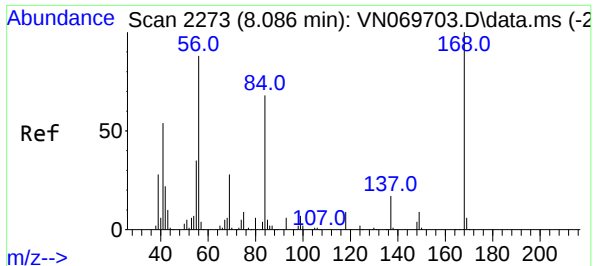
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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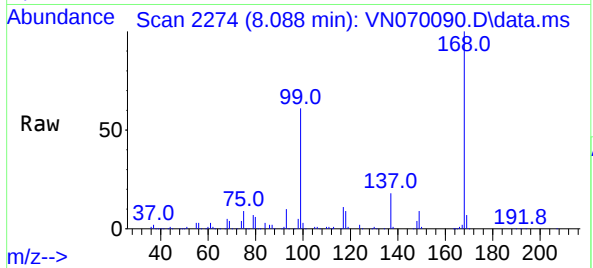
Quant Time: Dec 15 05:26:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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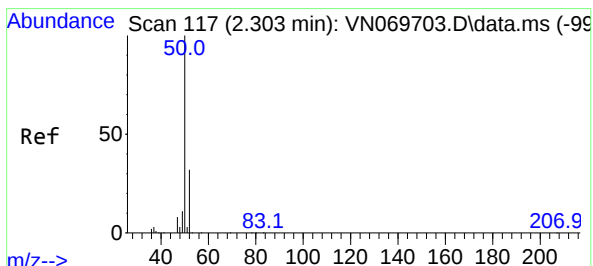
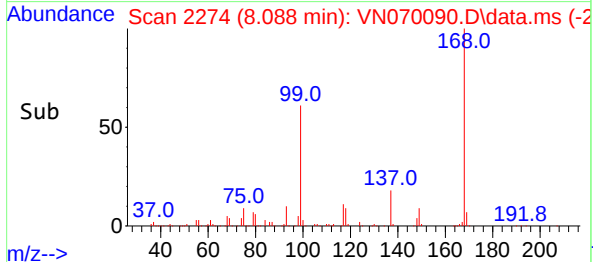
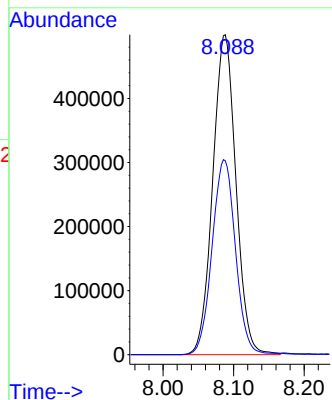


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Instrument :
MSVOA_N
ClientSampleId :

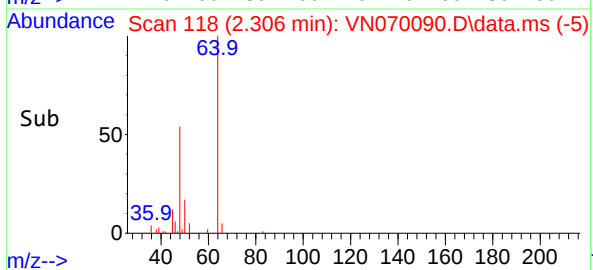
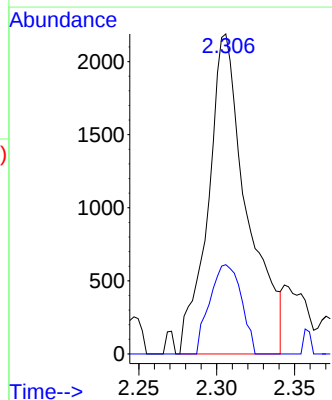
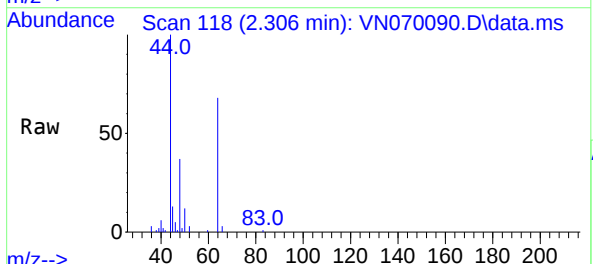


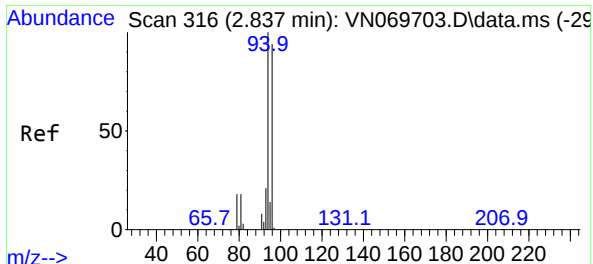
Tgt Ion:168 Resp: 1140996
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Tgt Ion: 50 Resp: 3792
Ion Ratio Lower Upper
50 100
52 27.9 25.4 38.0

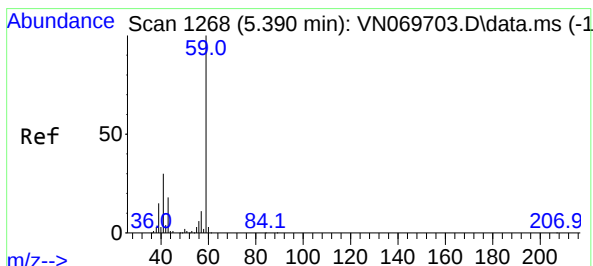
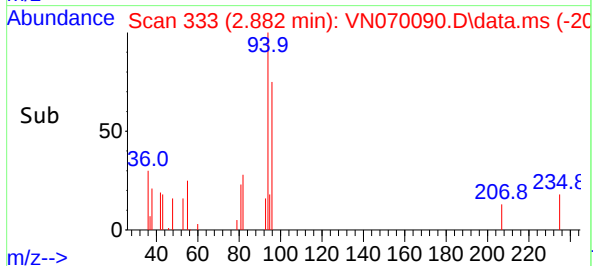
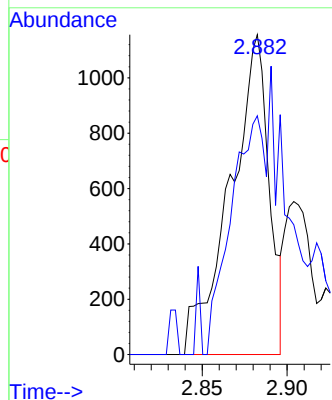
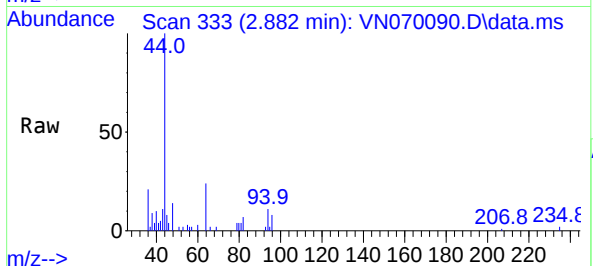




#5
Bromomethane
Concen: 0.221 ug/l
RT: 2.882 min Scan# 316
Delta R.T. 0.046 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

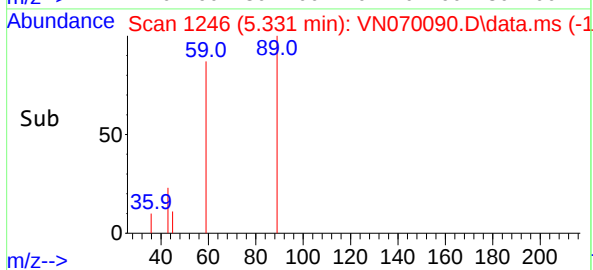
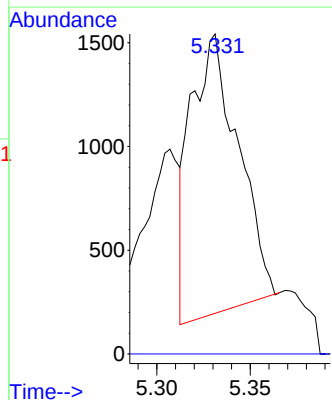
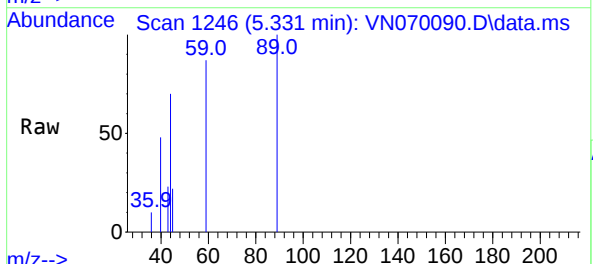
Instrument :
MSVOA_N
ClientSampleId :

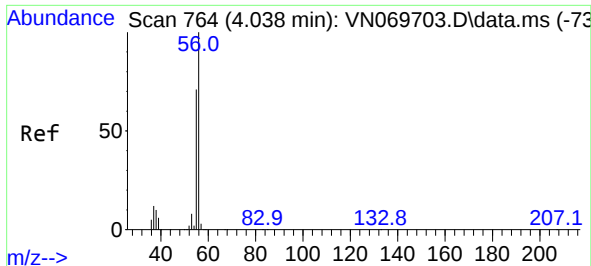
Tgt Ion: 94 Resp: 1842
Ion Ratio Lower Upper
94 100
96 74.7 73.8 110.8



#11
Tert butyl alcohol
Concen: 0.712 ug/l
RT: 5.331 min Scan# 1246
Delta R.T. -0.059 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Tgt Ion: 59 Resp: 2372
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

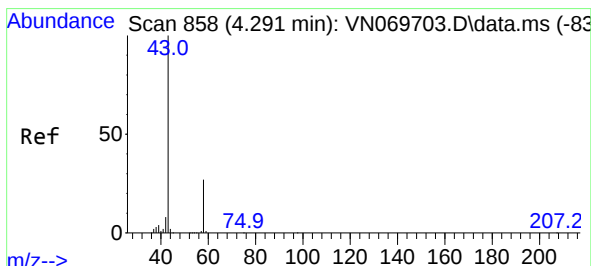
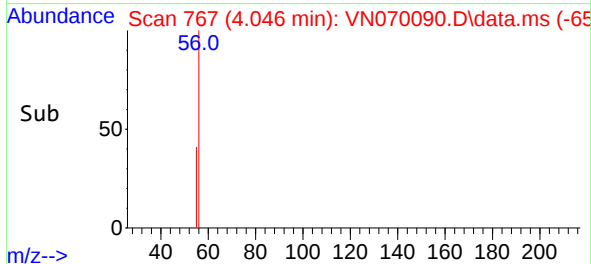
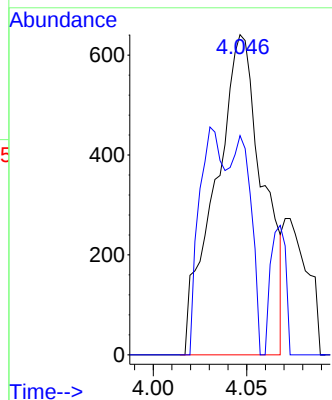
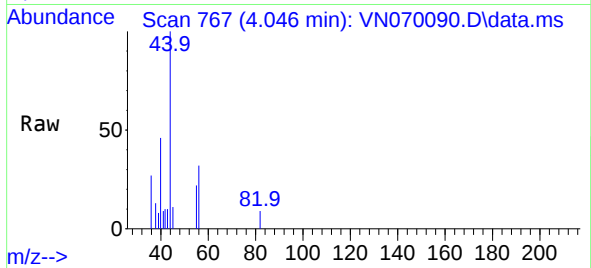




#13
Acrolein
Concen: 0.402 ug/l
RT: 4.046 min Scan# 764
Delta R.T. 0.008 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

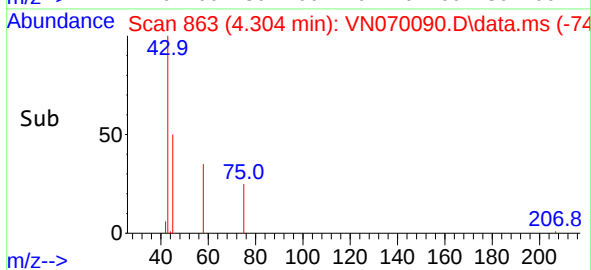
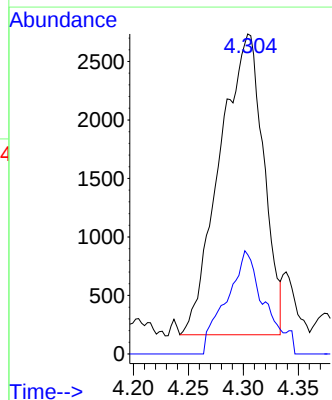
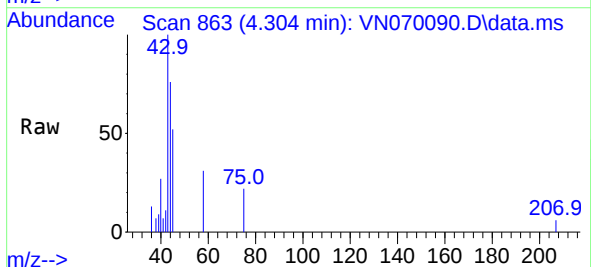
Instrument :
MSVOA_N
ClientSampleId :

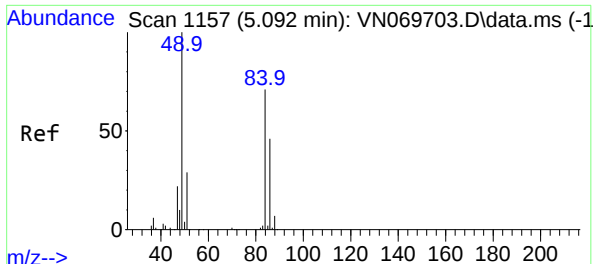
Tgt Ion: 56 Resp: 1139
Ion Ratio Lower Upper
56 100
55 36.8 56.6 85.0#



#16
Acetone
Concen: 0.673 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

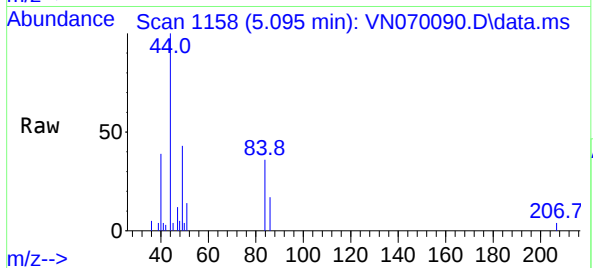
Tgt Ion: 43 Resp: 7130
Ion Ratio Lower Upper
43 100
58 33.0 23.1 34.7



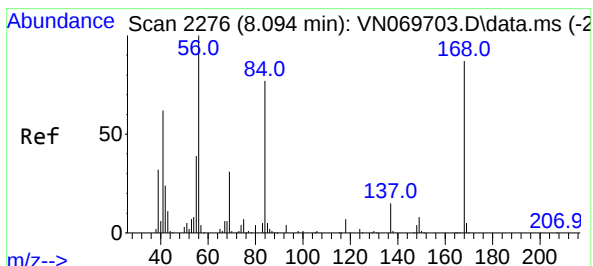
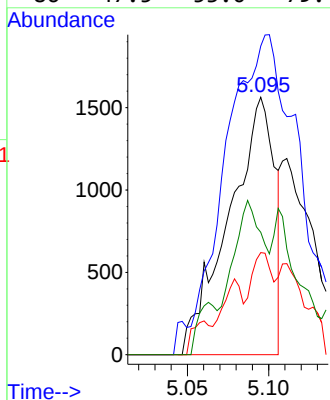
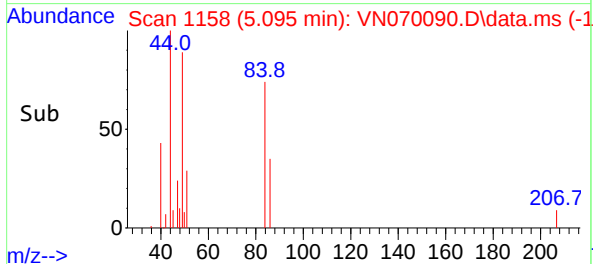


#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 5.095 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Instrument :
MSVOA_N
ClientSampleId :

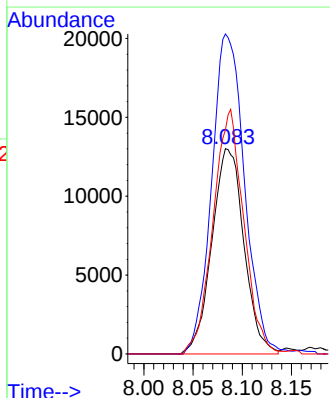
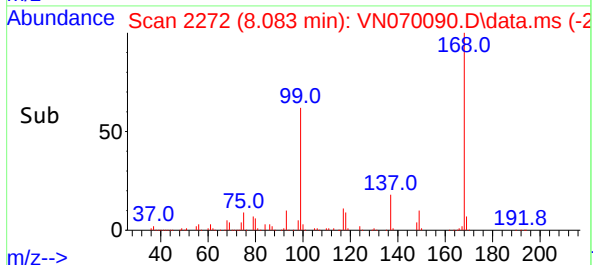
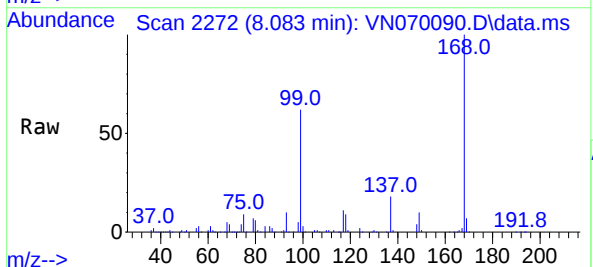


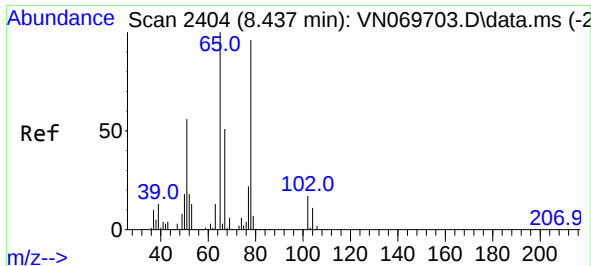
Tgt Ion: 84 Resp: 3037
Ion Ratio Lower Upper
84 100
49 107.4 93.5 140.3
51 39.7 29.4 44.2
86 47.5 53.0 79.4#



#31
Cyclohexane
Concen: 1.205 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Tgt Ion: 56 Resp: 29553
Ion Ratio Lower Upper
56 100
69 155.9 27.1 40.7#
84 109.1 73.4 110.0

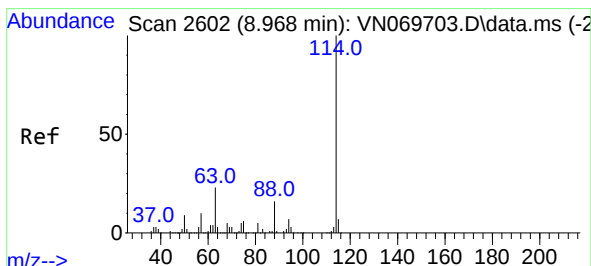
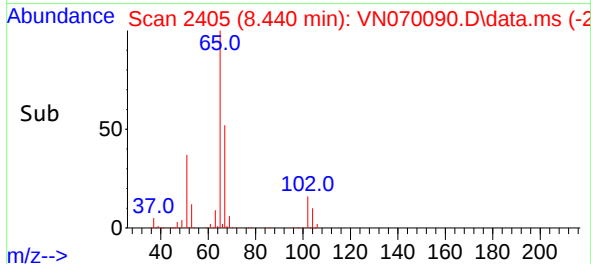
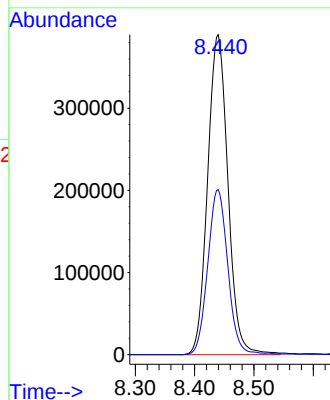
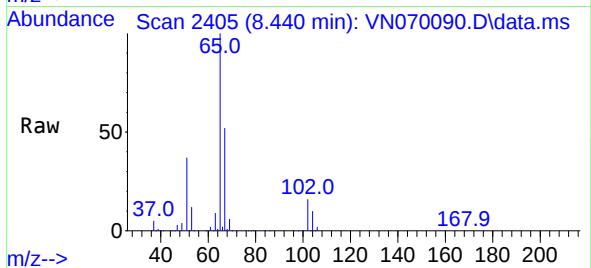




#33
1,2-Dichloroethane-d4
Concen: 52.542 ug/l
RT: 8.440 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

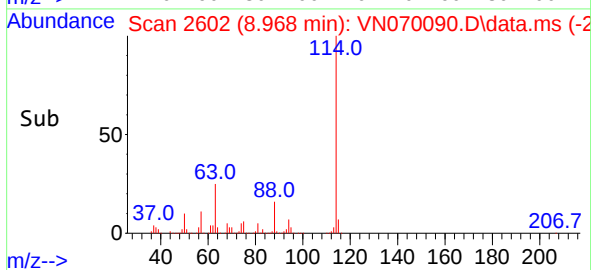
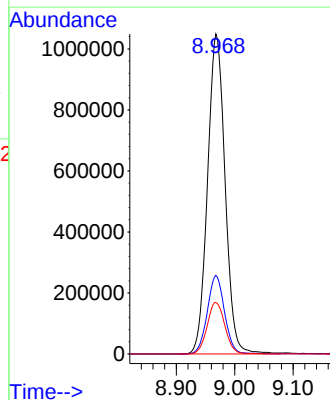
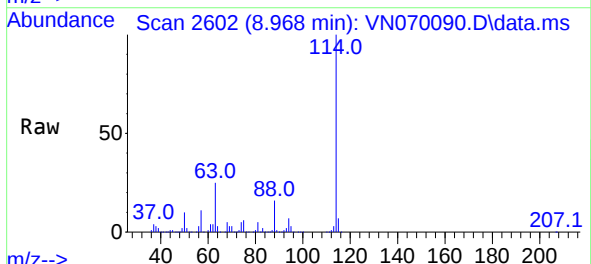
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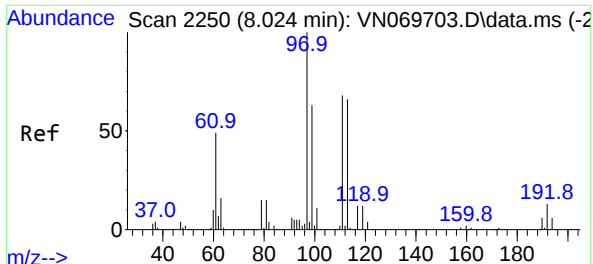
Tgt Ion: 65 Resp: 925626
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

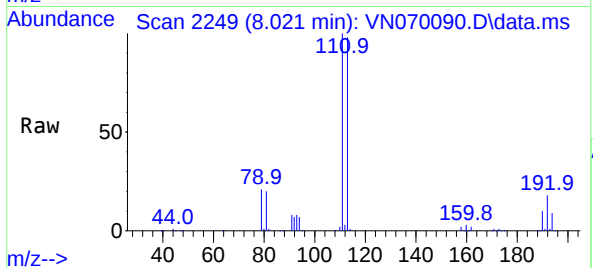
Tgt Ion:114 Resp: 2191520
Ion Ratio Lower Upper
114 100
63 24.5 0.0 37.8
88 16.1 0.0 27.4



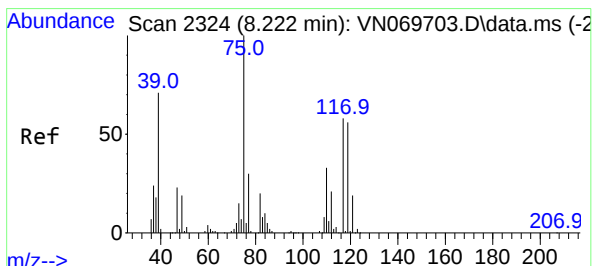
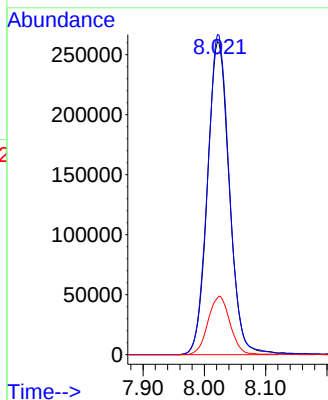
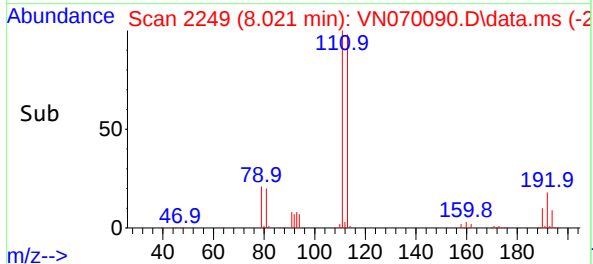


#35
Dibromofluoromethane
Concen: 47.148 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

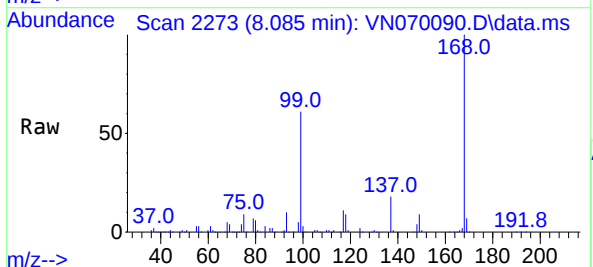
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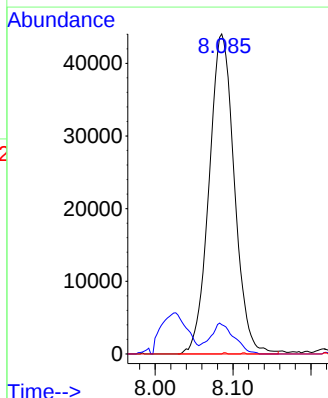
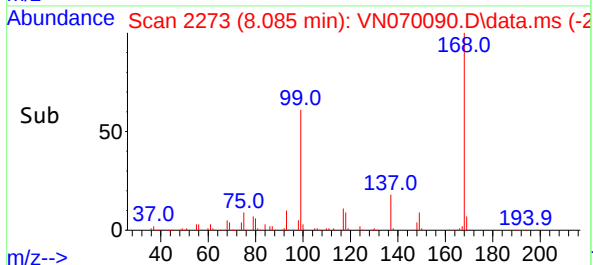
Tgt Ion:113 Resp: 647209
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 18.8 16.9 25.3

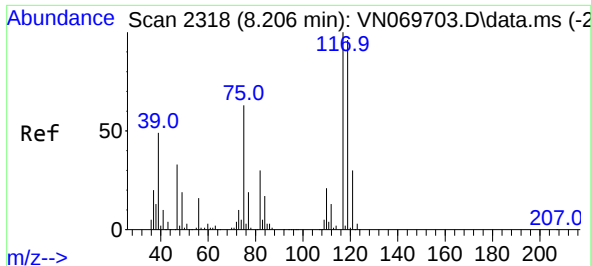


#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55



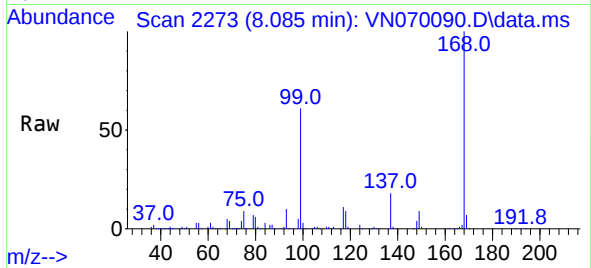
Tgt Ion: 75 Resp: 99331
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.1 24.4 36.6#



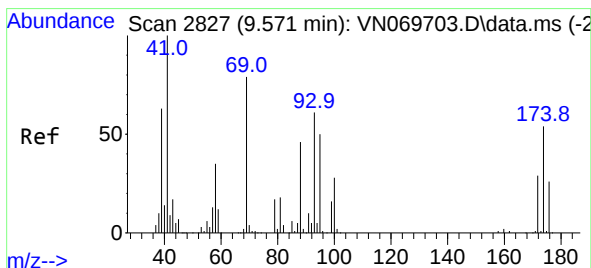
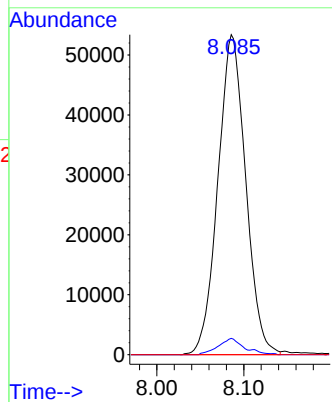
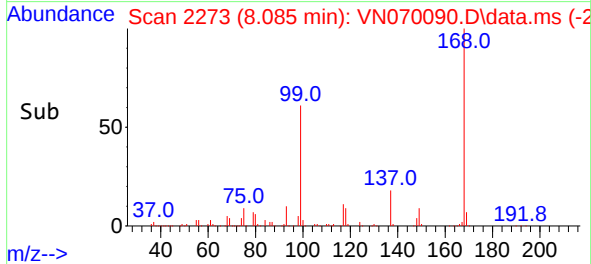


#38
Carbon Tetrachloride
Concen: 5.797 ug/l
RT: 8.085 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Instrument :
MSVOA_N
ClientSampleId :

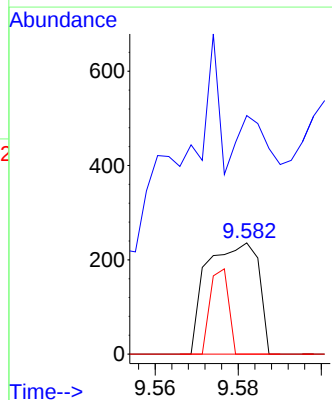
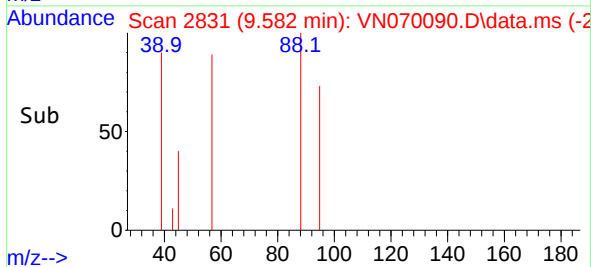
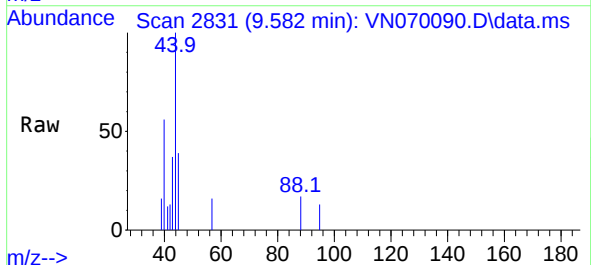


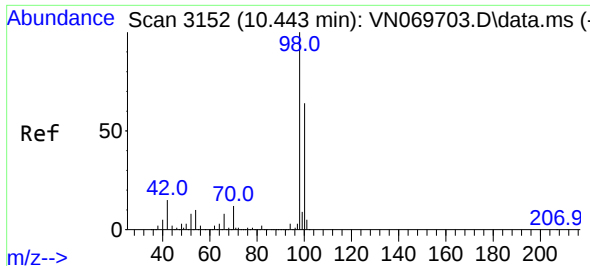
Tgt Ion:117 Resp: 118595
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.528 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.011 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

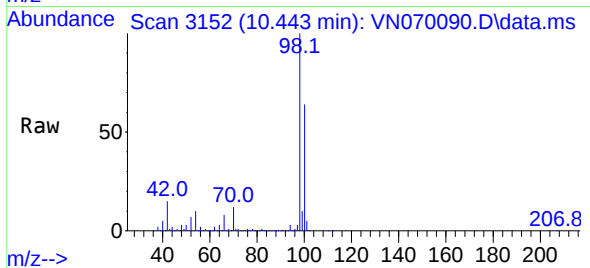
Tgt Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
43 36.0 23.4 35.2#
58 27.6 50.6 75.8#



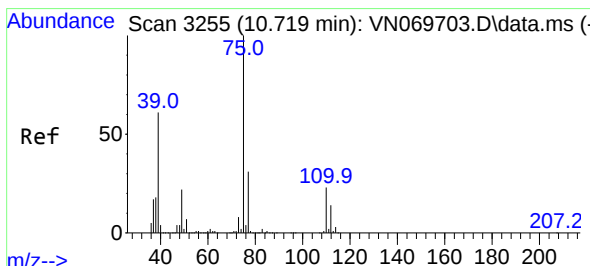
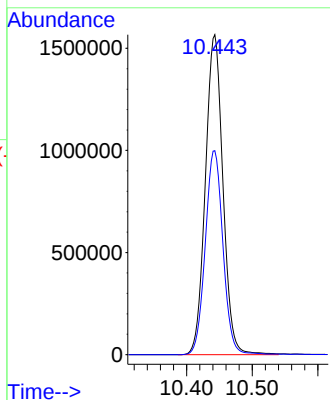
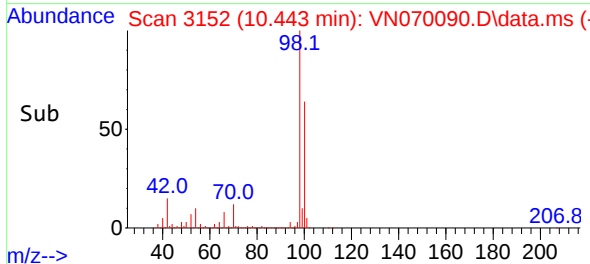


#50
Toluene-d8
Concen: 52.953 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Instrument :
MSVOA_N
ClientSampleId :

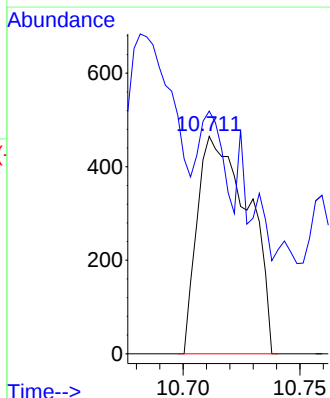
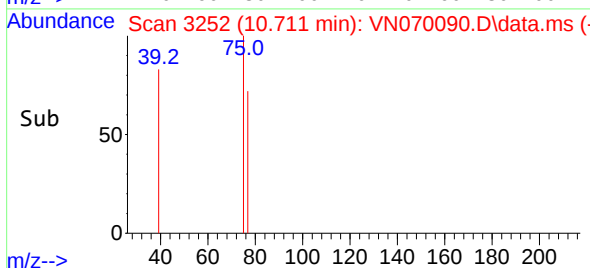
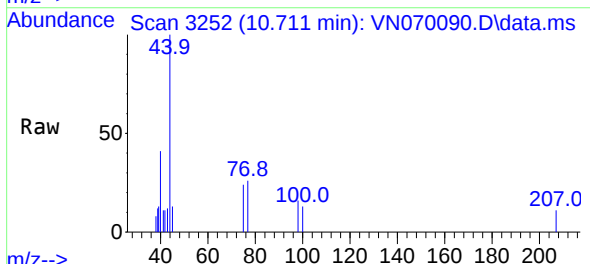


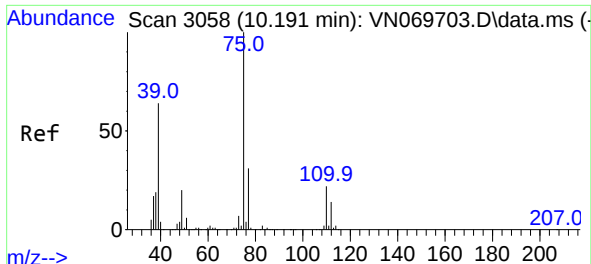
Tgt Ion: 98 Resp: 2918753
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.820 ug/l
RT: 10.711 min Scan# 3252
Delta R.T. -0.008 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

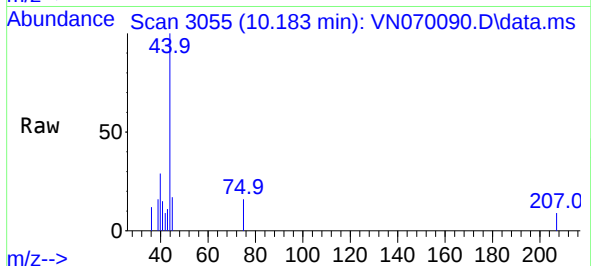
Tgt Ion: 75 Resp: 705
Ion Ratio Lower Upper
75 100
77 63.7 25.6 38.4#



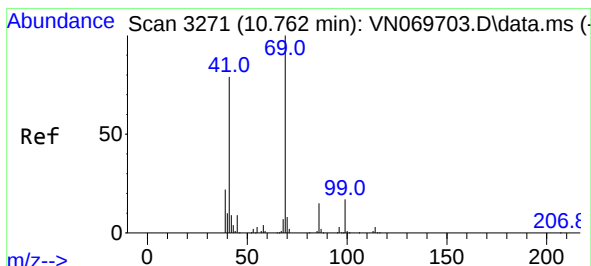
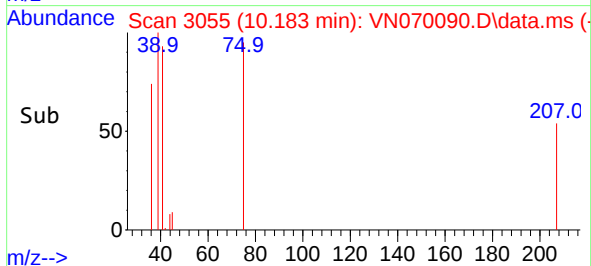
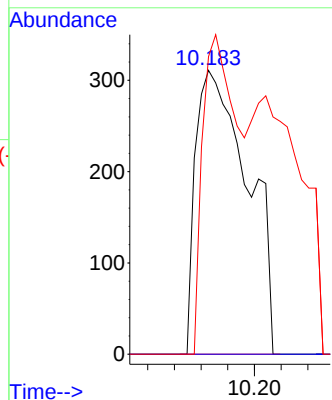


#54
cis-1,3-Dichloropropene
Concen: 2.014 ug/l
RT: 10.183 min Scan# 3055
Delta R.T. -0.008 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Instrument :
MSVOA_N
ClientSampleId :

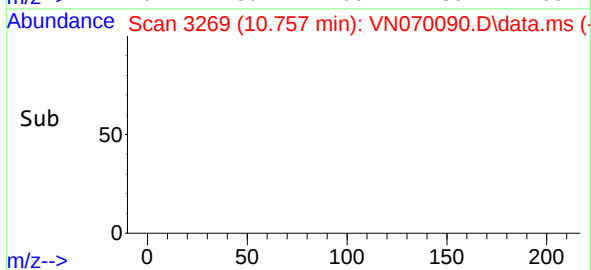
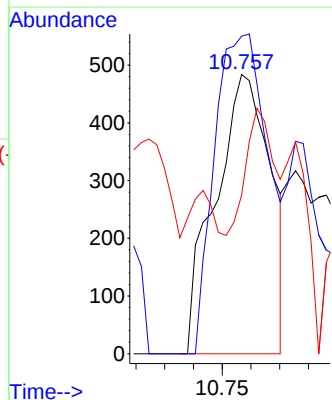
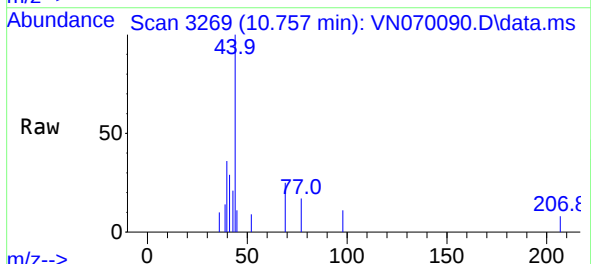


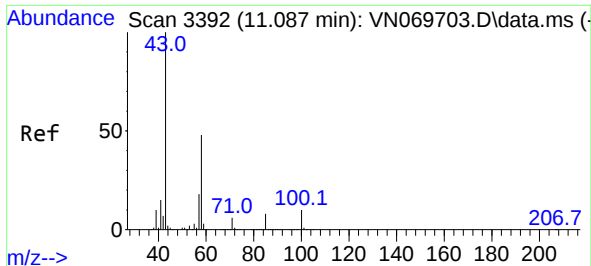
Tgt Ion: 75 Resp: 420
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 104.8 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.300 ug/l
RT: 10.757 min Scan# 3269
Delta R.T. -0.005 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Tgt Ion: 69 Resp: 646
Ion Ratio Lower Upper
69 100
41 110.8 51.4 77.0#
39 22.3 34.6 52.0#

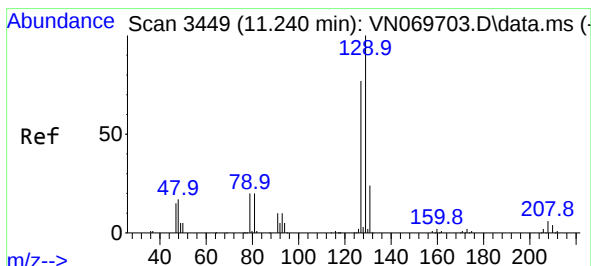
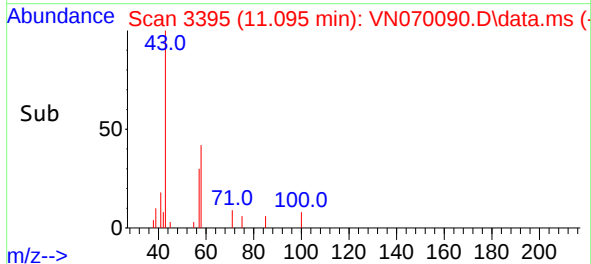
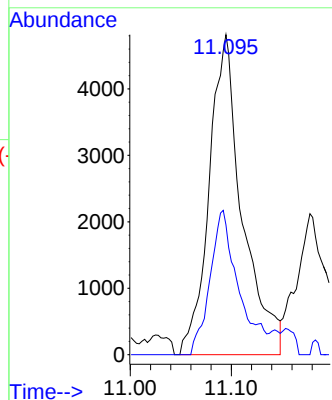
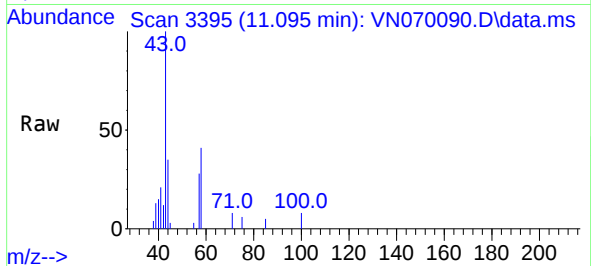




#59
2-Hexanone
Concen: 0.485 ug/l
RT: 11.095 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

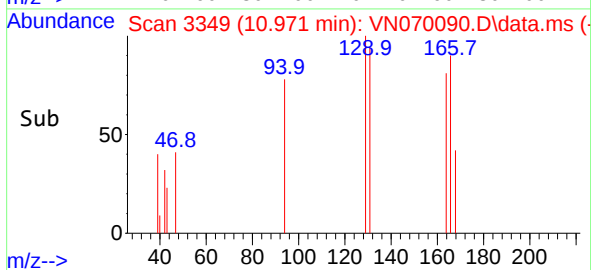
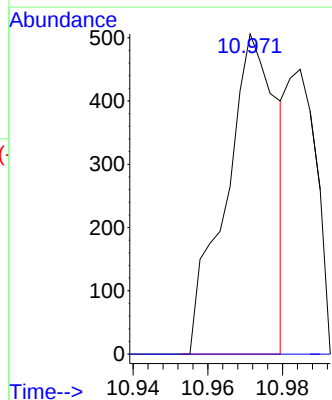
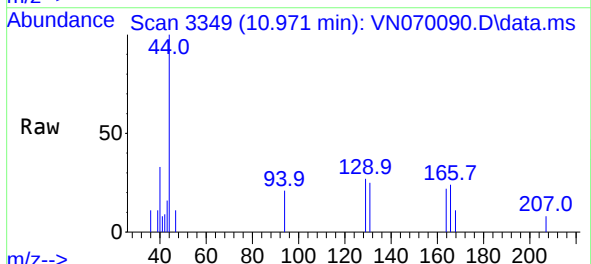
Instrument :
MSVOA_N
ClientSampleId :

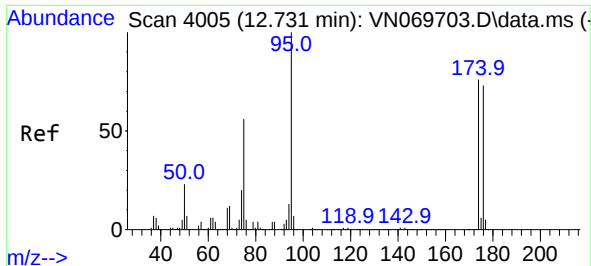
Tgt Ion: 43 Resp: 10943
Ion Ratio Lower Upper
43 100
58 38.9 26.9 80.7



#60
Dibromochloromethane
Concen: 2.403 ug/l
RT: 10.971 min Scan# 3349
Delta R.T. -0.269 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Tgt Ion: 129 Resp: 480
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

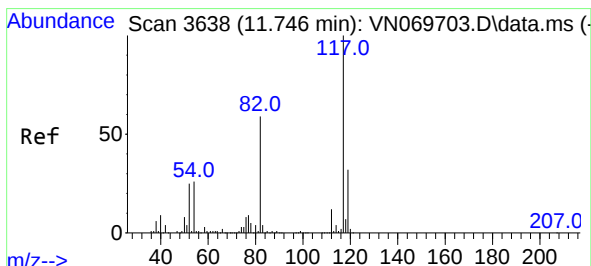
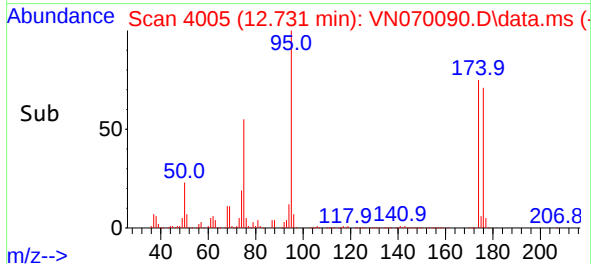
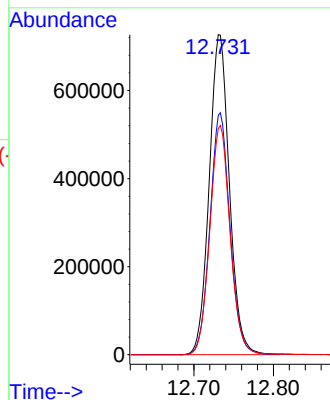
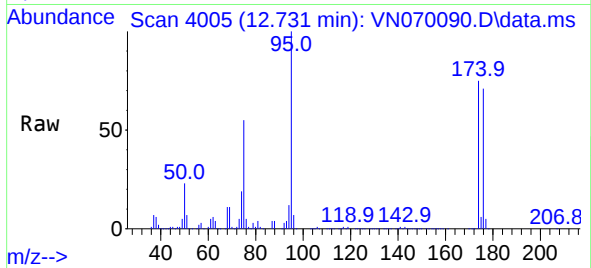




#62
4-Bromofluorobenzene
Concen: 64.261 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

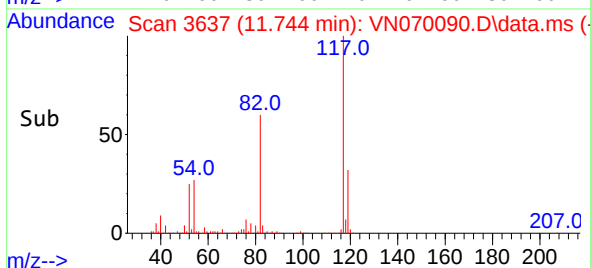
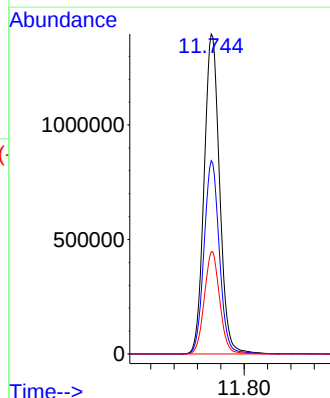
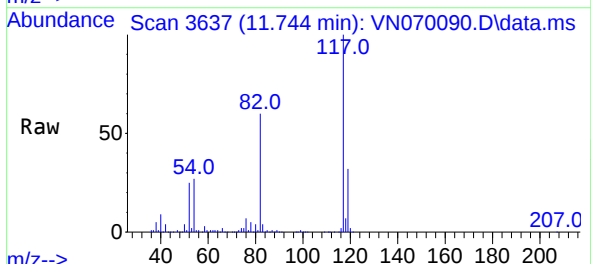
Instrument :
MSVOA_N
ClientSampleId :

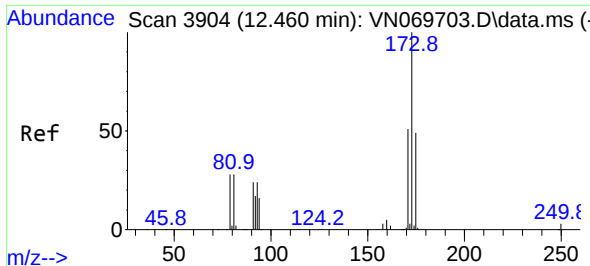
Tgt Ion: 95 Resp: 1283189
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 71.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Tgt Ion: 117 Resp: 2576307
Ion Ratio Lower Upper
117 100
82 60.4 42.4 63.6
119 32.0 25.4 38.2

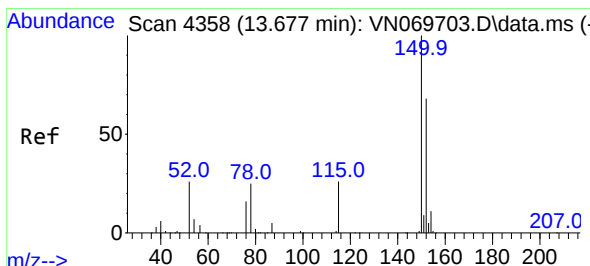
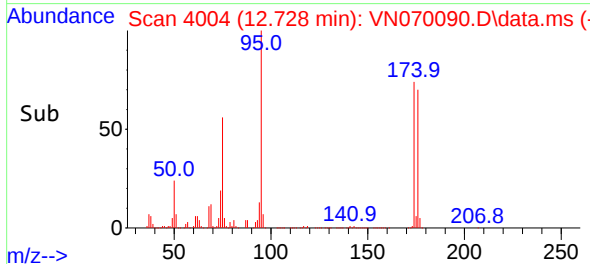
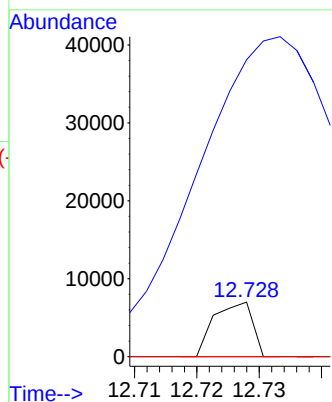
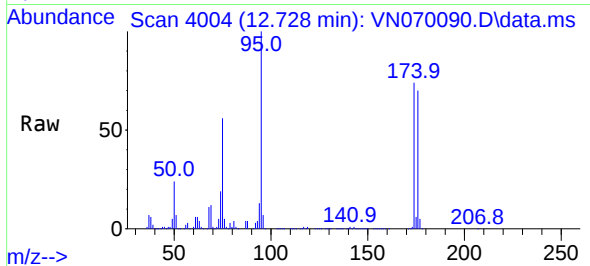




#71
Bromoform
Concen: 2.910 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

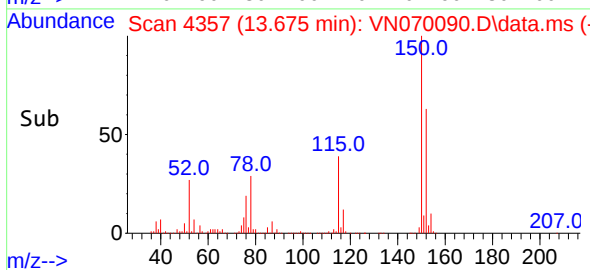
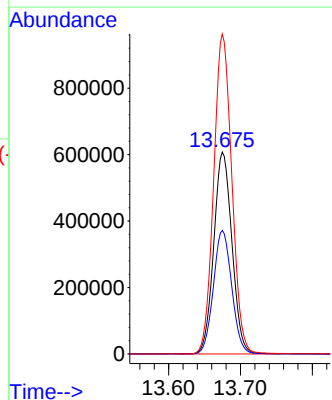
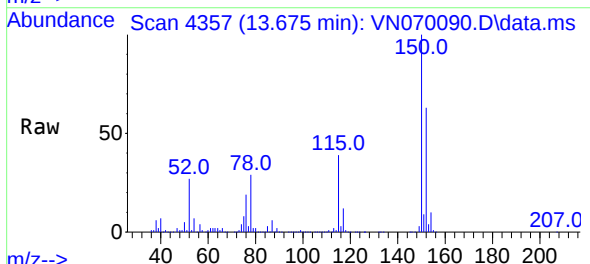
Instrument :
MSVOA_N
ClientSampleId :

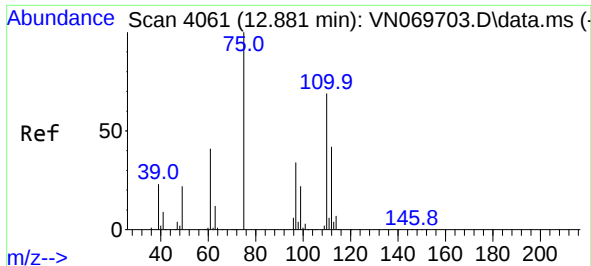
Tgt Ion:173 Resp: 2985
Ion Ratio Lower Upper
173 100
175 2255.5 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

Tgt Ion:152 Resp: 1067520
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 157.8 0.0 344.4

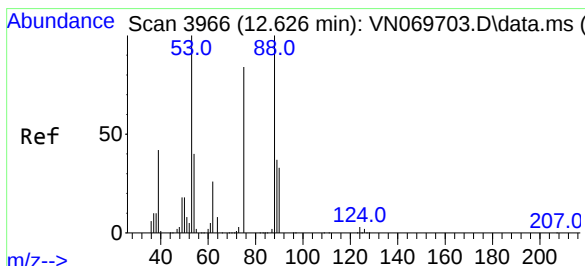
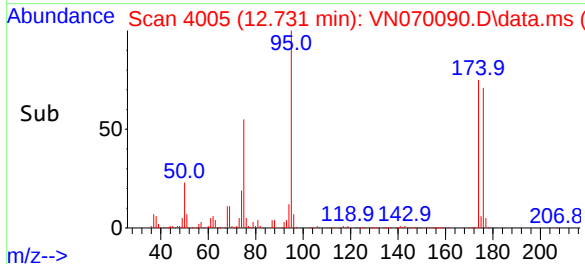
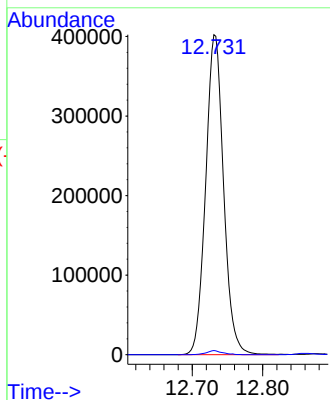
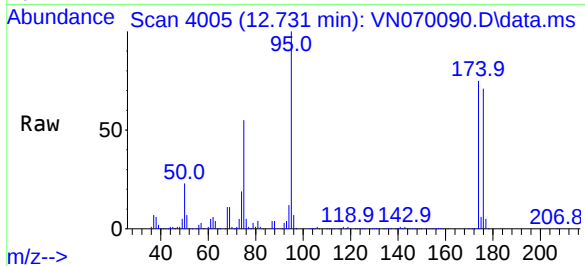




#76
1,2,3-Trichloropropane
Concen: 23.145 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

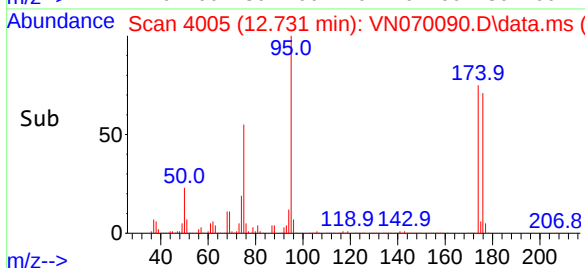
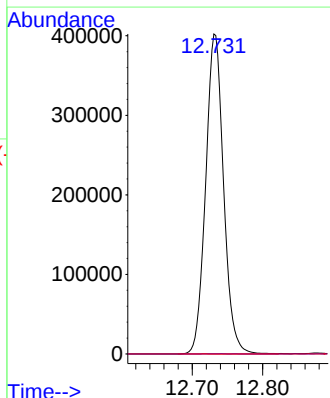
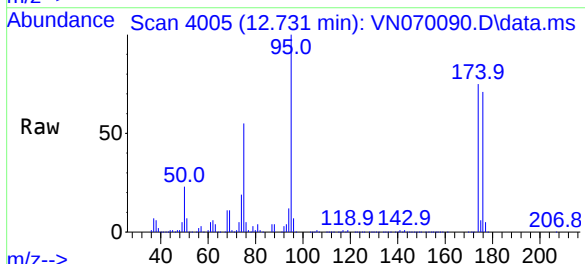
Instrument :
MSVOA_N
ClientSampleId :

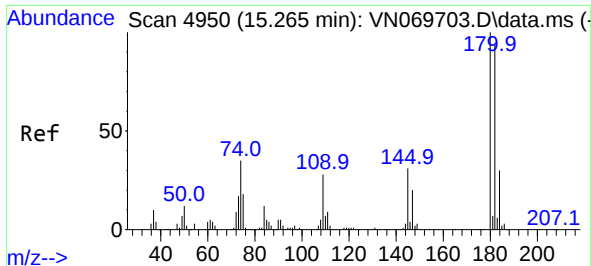
Tgt Ion: 75 Resp: 708570
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.660 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

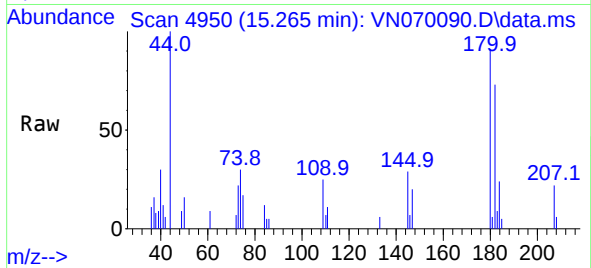
Tgt Ion: 75 Resp: 708570
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



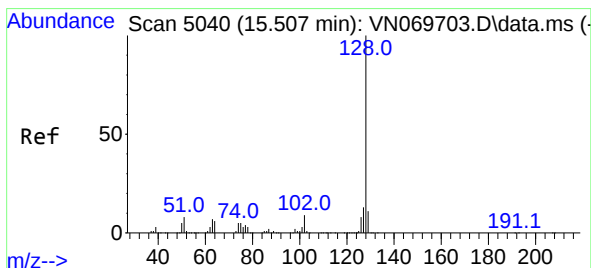
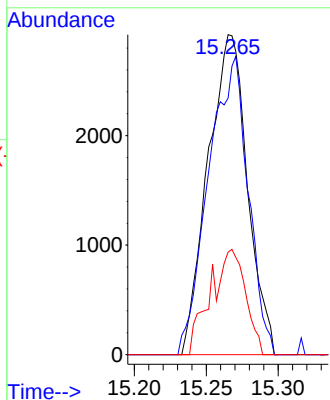
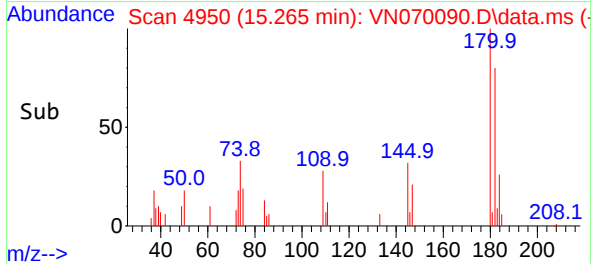


#93
1,2,4-Trichlorobenzene
Concen: 3.178 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55

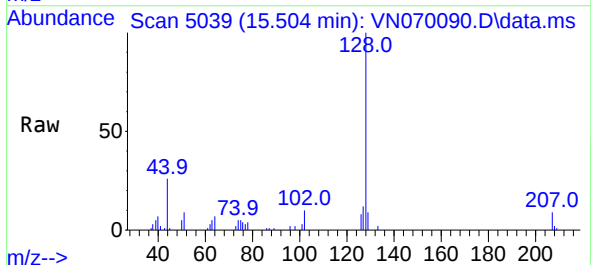
Instrument :
MSVOA_N
ClientSampleId :



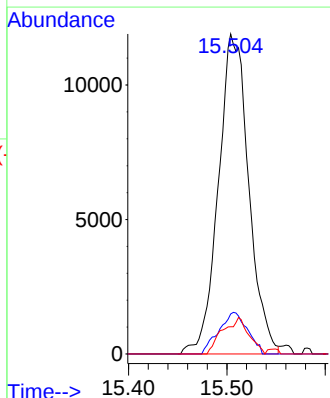
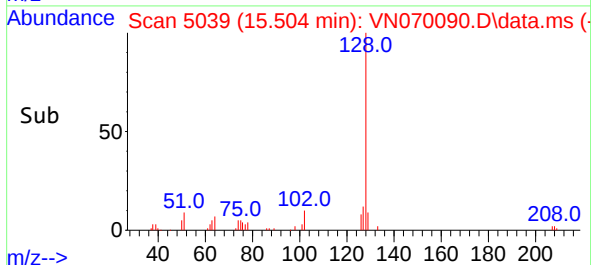
Tgt Ion:180 Resp: 5575
Ion Ratio Lower Upper
180 100
182 93.5 48.3 144.9
145 20.2 14.5 43.5

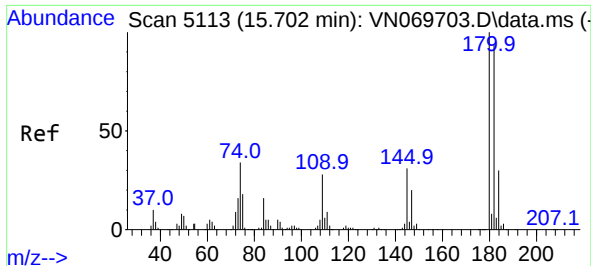


#95
Naphthalene
Concen: 4.435 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN070090.D
Acq: 14 Dec 2021 23:55



Tgt Ion:128 Resp: 25525
Ion Ratio Lower Upper
128 100
127 12.2 10.5 15.7
129 9.8 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.812 ug/l

RT: 15.700 min Scan# 51

Delta R.T. -0.002 min

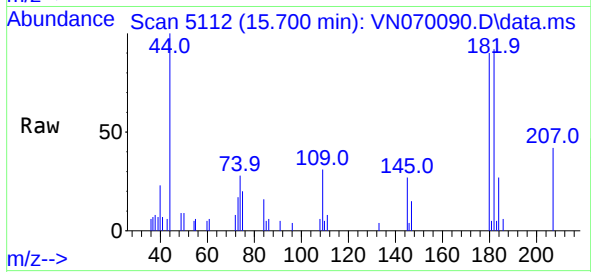
Lab File: VN070090.D

Acq: 14 Dec 2021 23:55

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 6749

Ion Ratio Lower Upper

180 100

182 92.7 47.4 142.2

145 29.6 15.0 45.1

