

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121121\
 Data File : VN070022.D
 Acq On : 11 Dec 2021 21:10
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 16:27:40 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)

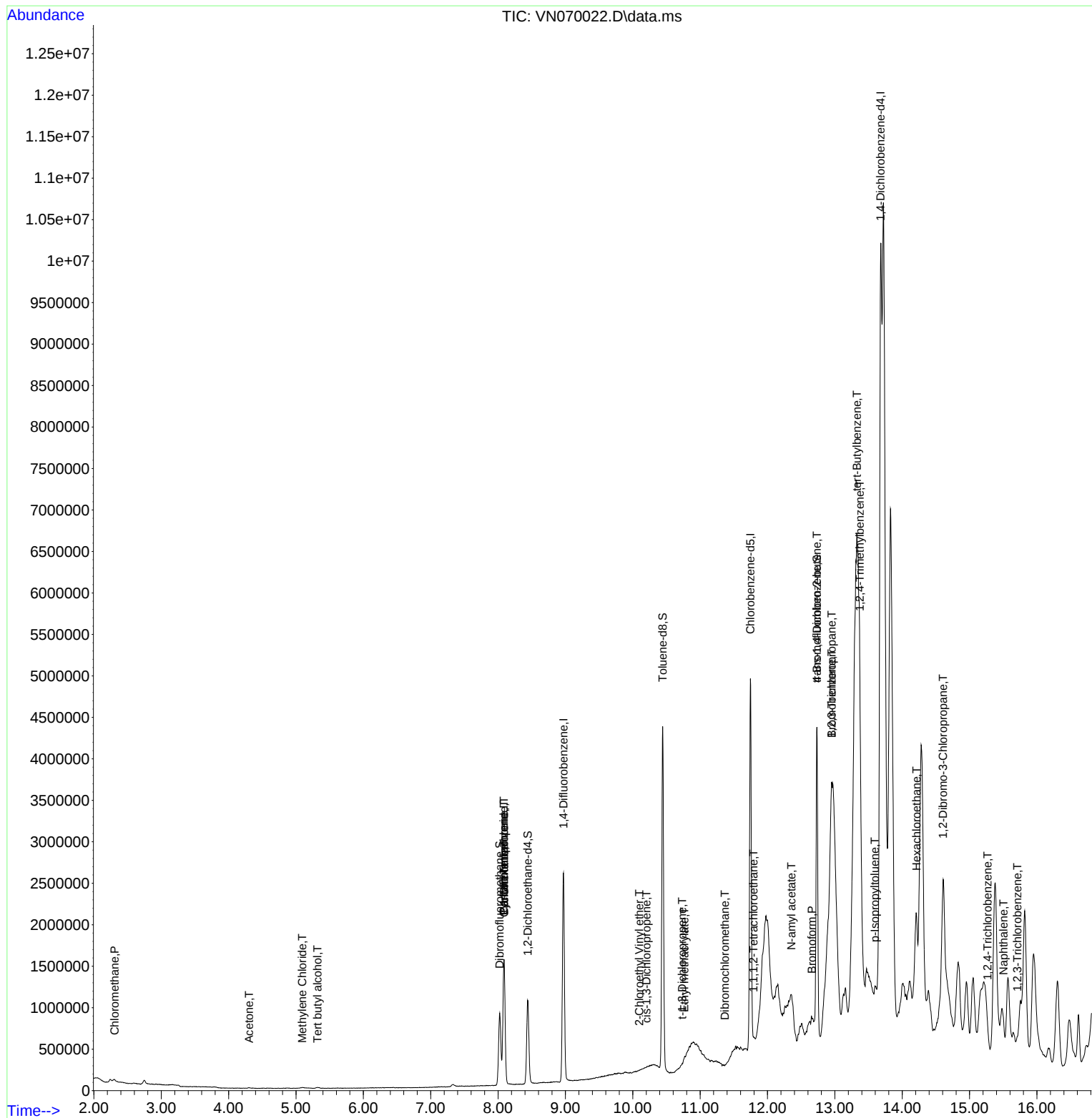
Internal Standards						
1) Pentafluorobenzene	8.088	168	1134897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2114280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2469159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	1628192	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	862642	49.230	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.460%		
35) Dibromofluoromethane	8.024	113	634454	47.907	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.820%		
50) Toluene-d8	10.443	98	2788963	52.447	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.900%		
62) 4-Bromofluorobenzene	12.733	95	1284002	66.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	133.300%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	3356	0.202	ug/l #	87
11) Tert butyl alcohol	5.318	59	4690	1.416	ug/l #	73
16) Acetone	4.304	43	8003	0.759	ug/l	90
20) Methylene Chloride	5.092	84	3891	0.278	ug/l #	87
31) Cyclohexane	8.091	56	28139	1.154	ug/l #	30
36) 1,1-Dichloropropene	8.088	75	96180	4.779	ug/l #	49
38) Carbon Tetrachloride	8.088	117	116928	5.924	ug/l #	16
53) t-1,3-Dichloropropene	10.733	75	644	2.819	ug/l #	1
54) cis-1,3-Dichloropropene	10.202	75	302	2.010	ug/l #	1
56) Ethyl methacrylate	10.768	69	607	2.299	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.097	63	409	18.438	ug/l	94
60) Dibromochloromethane	11.366	129	1130	2.442	ug/l	72
66) 1,1,1,2-Tetrachloroethane	11.792	131	3658	0.207	ug/l #	8
71) Bromoform	12.658	173	48834	5.792	ug/l #	29
74) N-amyl acetate	12.355	43	99593	1.555	ug/l #	46
76) 1,2,3-Trichloropropane	12.953	75	90788	1.944	ug/l	63
77) Bromobenzene	12.953	156	2506007	73.649	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	715873	50.164	ug/l #	5
83) tert-Butylbenzene	13.329	119	63739	0.617	ug/l #	28
84) 1,2,4-Trimethylbenzene	13.369	105	46674	0.420	ug/l #	31
86) p-Isopropyltoluene	13.592	119	156630	1.431	ug/l #	56
90) Hexachloroethane	14.211	117	6446	0.335	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.605	75	67566	7.464	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.268	180	589	2.899	ug/l #	12
95) Naphthalene	15.504	128	80676	4.918	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.710	180	935	2.470	ug/l #	12

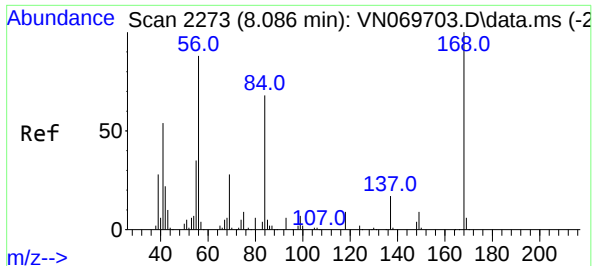
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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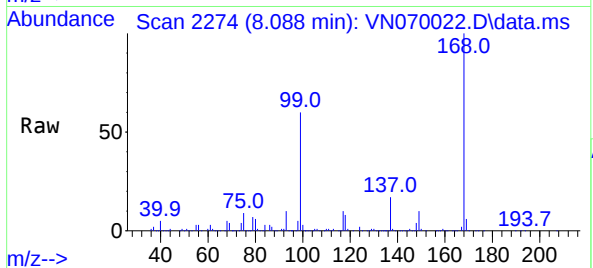
Quant Time: Dec 12 16:27:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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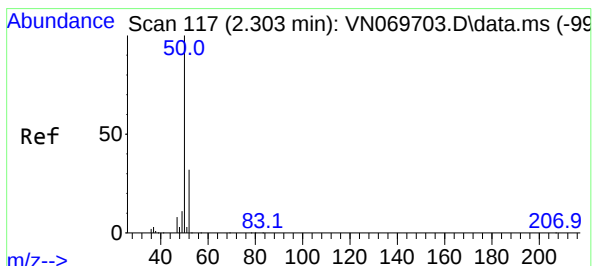
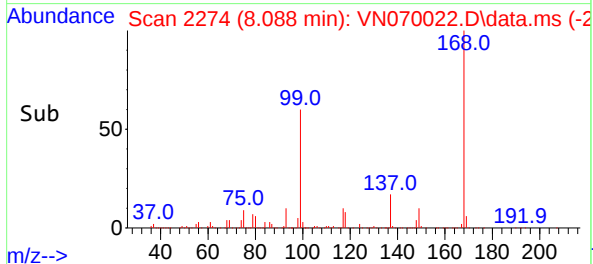
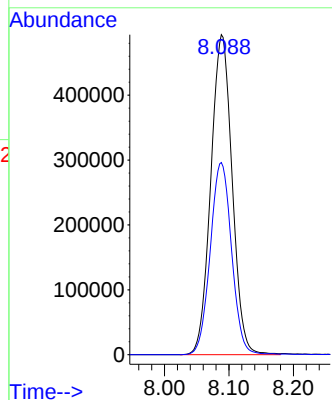


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Instrument :
MSVOA_N
ClientSampleId :

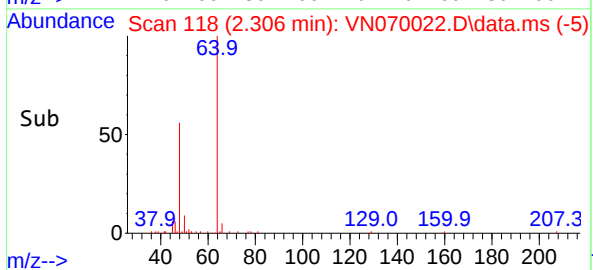
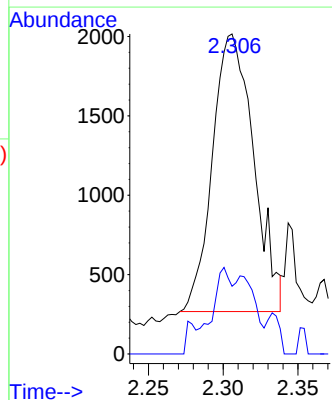
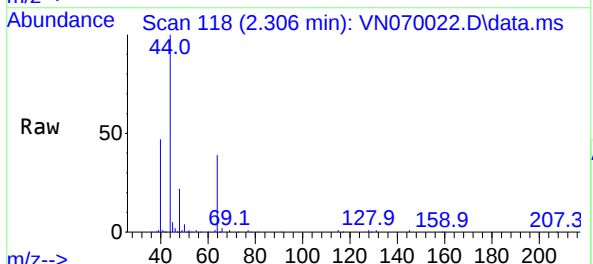


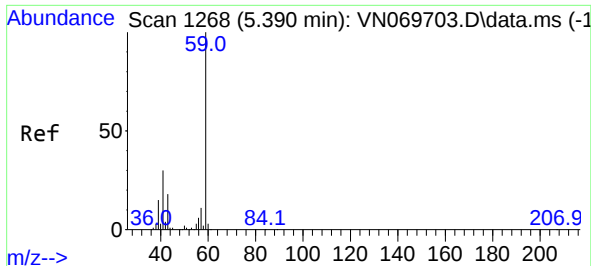
Tgt Ion:168 Resp: 1134897
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion: 50 Resp: 3356
Ion Ratio Lower Upper
50 100
52 24.4 25.4 38.0#

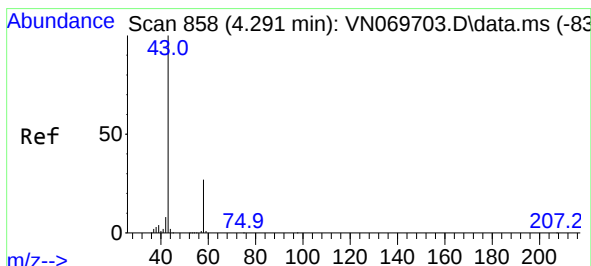
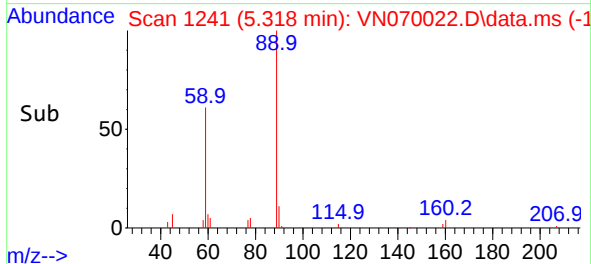
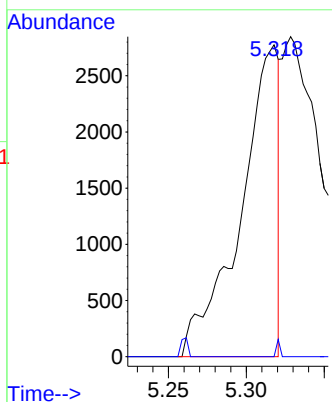
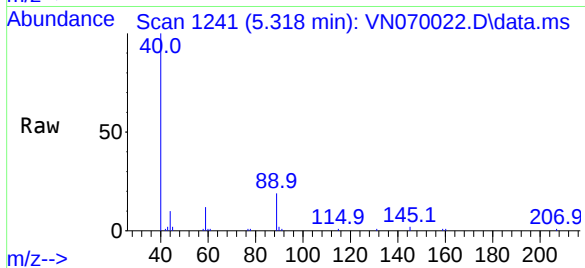




#11
Tert butyl alcohol
Concen: 1.416 ug/l
RT: 5.318 min Scan# 11
Delta R.T. -0.072 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

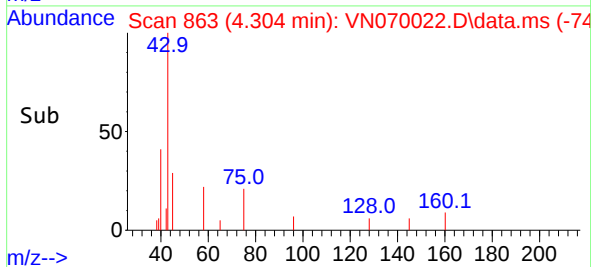
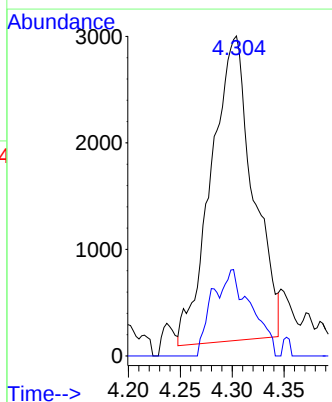
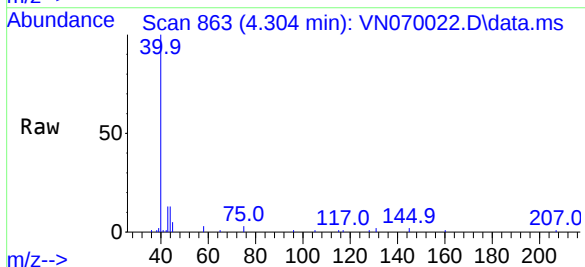
Instrument :
MSVOA_N
ClientSampleId :

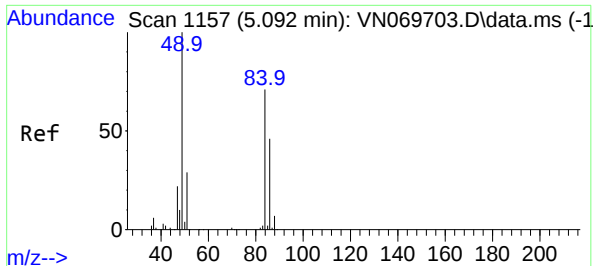
Tgt Ion: 59 Resp: 4690
Ion Ratio Lower Upper
59 100
57 0.5 8.7 13.1#



#16
Acetone
Concen: 0.759 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

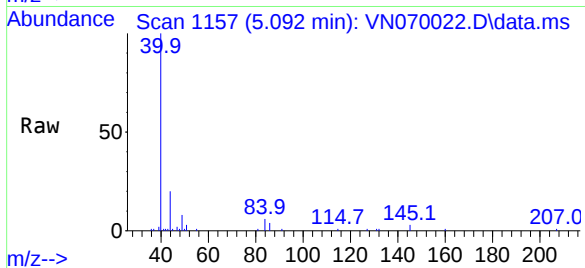
Tgt Ion: 43 Resp: 8003
Ion Ratio Lower Upper
43 100
58 23.5 23.1 34.7





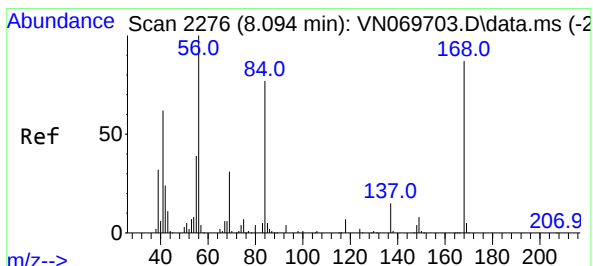
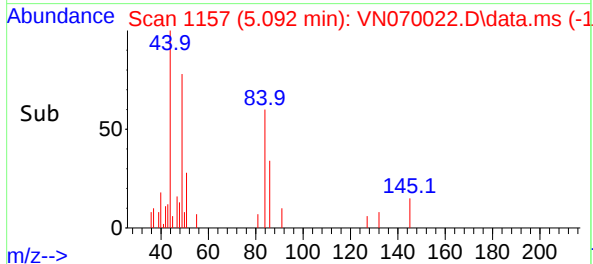
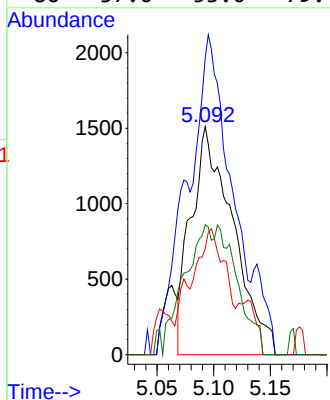
#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 3891

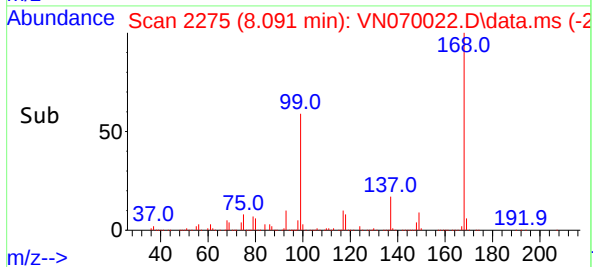
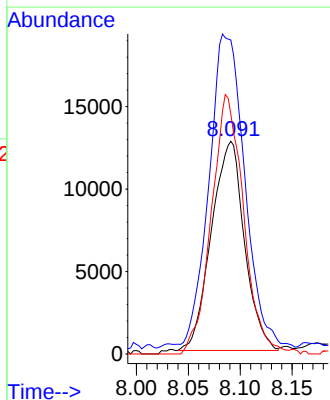
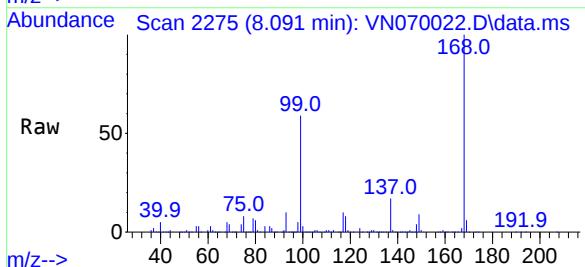
Ion	Ratio	Lower	Upper
84	100		
49	130.2	93.5	140.3
51	46.6	29.4	44.2#
86	57.0	53.0	79.4

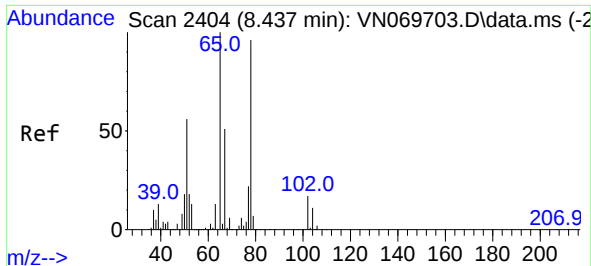


#31
Cyclohexane
Concen: 1.154 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion: 56 Resp: 28139

Ion	Ratio	Lower	Upper
56	100		
69	145.3	27.1	40.7#
84	114.6	73.4	110.0#

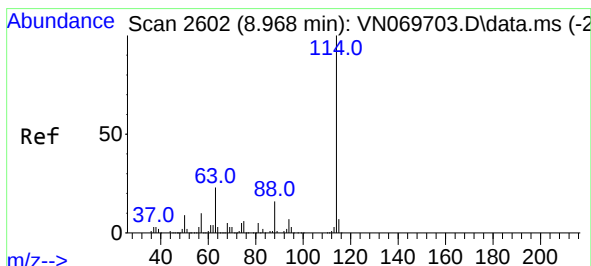
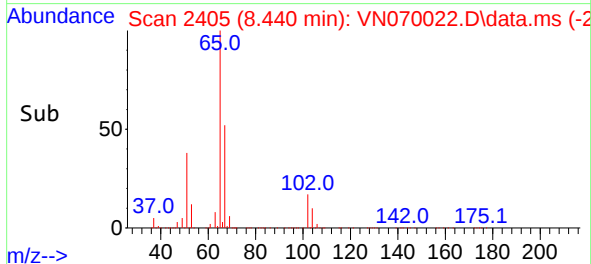
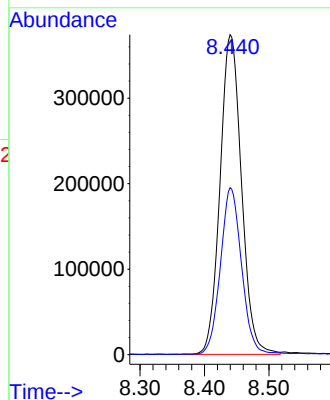
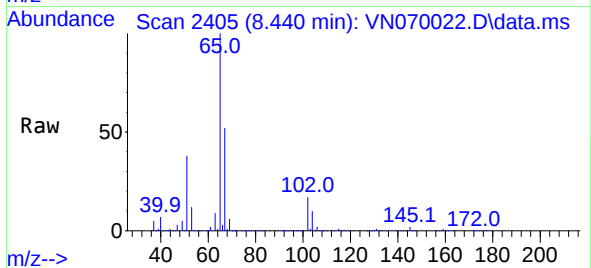




#33
1,2-Dichloroethane-d4
Concen: 49.230 ug/l
RT: 8.440 min Scan# 24
Delta R.T. 0.003 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

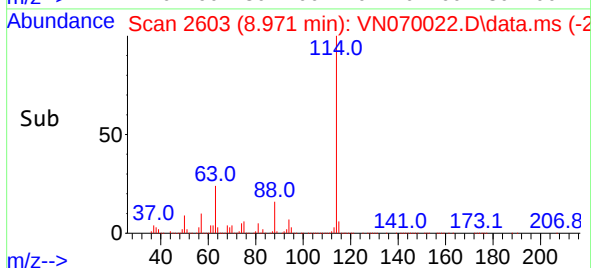
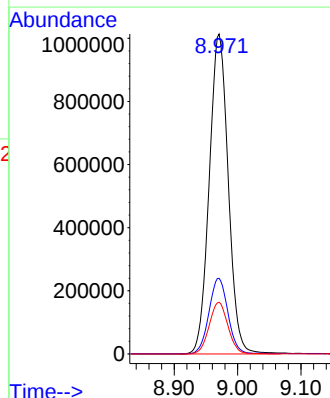
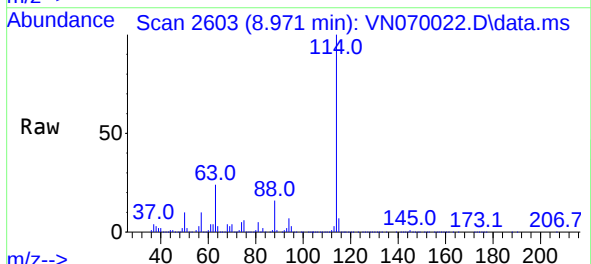
Instrument :
MSVOA_N
ClientSampleId :

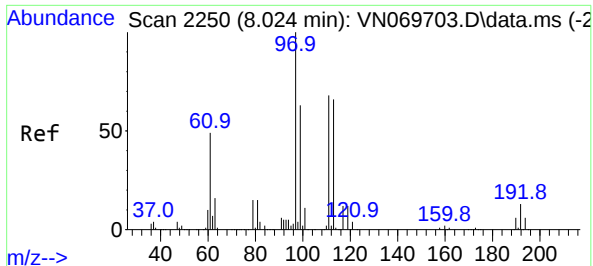
Tgt Ion: 65 Resp: 862642
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

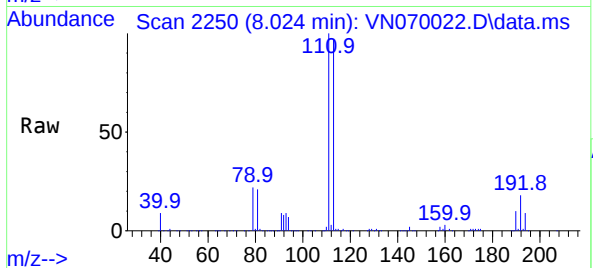
Tgt Ion:114 Resp: 2114280
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.2 0.0 27.4



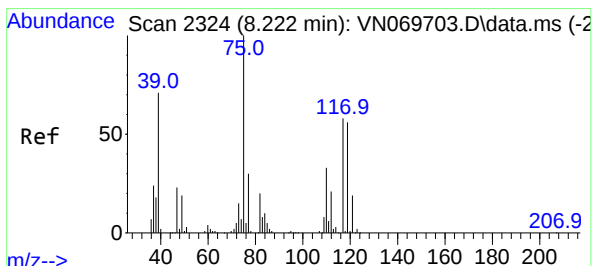
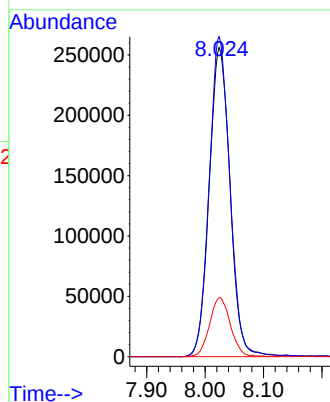
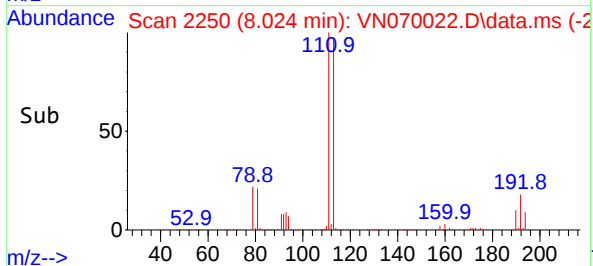


#35
Dibromofluoromethane
Concen: 47.907 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

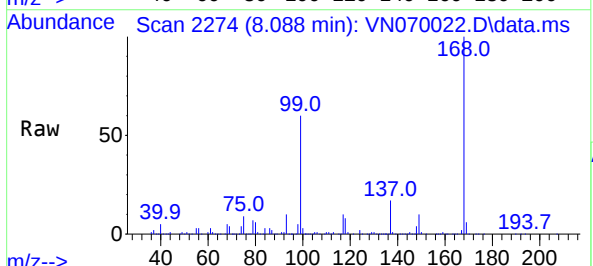
Instrument :
MSVOA_N
ClientSampleId :



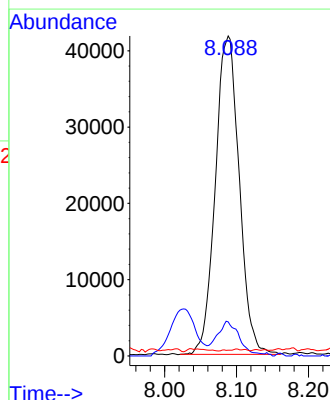
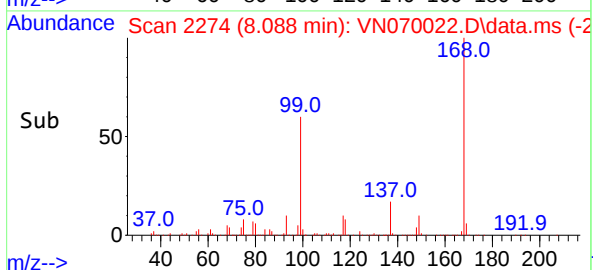
Tgt Ion:113 Resp: 634454
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.0 16.9 25.3

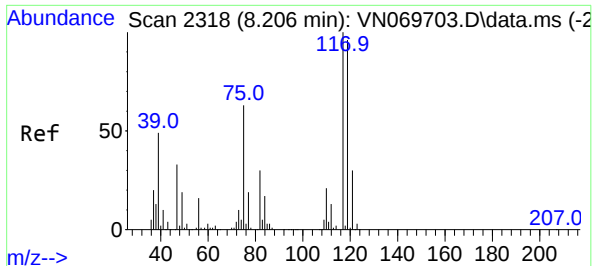


#36
1,1-Dichloropropene
Concen: 4.779 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10



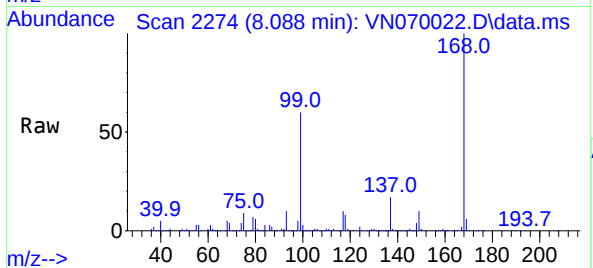
Tgt Ion: 75 Resp: 96180
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.1 24.4 36.6#



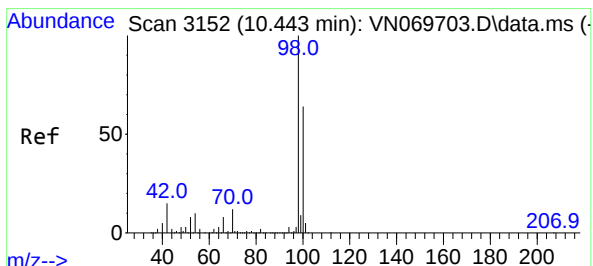
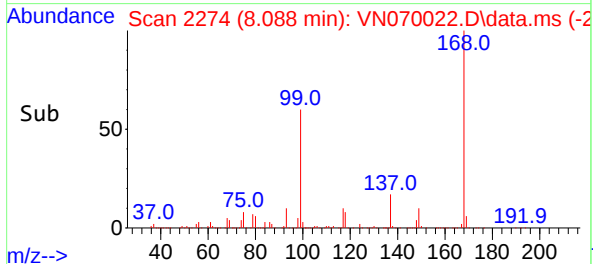
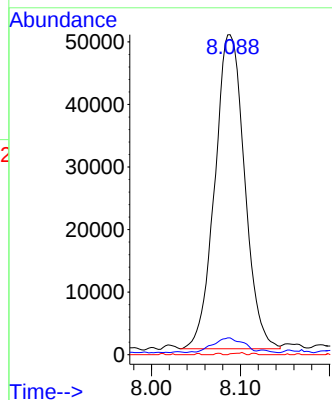


#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Instrument :
MSVOA_N
ClientSampleId :

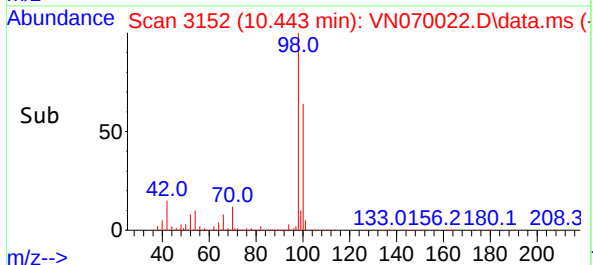
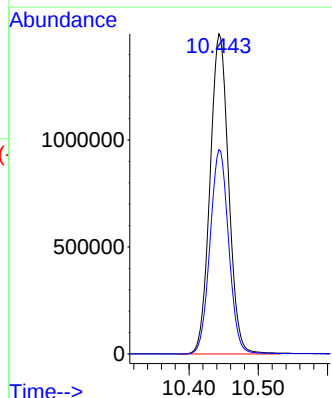
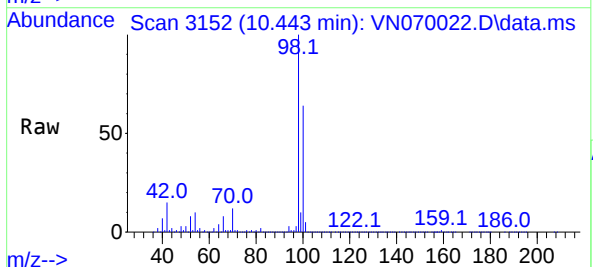


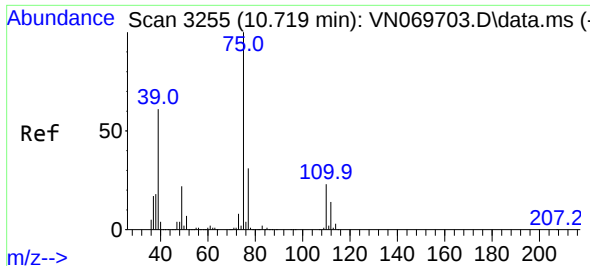
Tgt Ion:117 Resp: 116928
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.3 24.2 36.2#



#50
Toluene-d8
Concen: 52.447 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion: 98 Resp: 2788963
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6

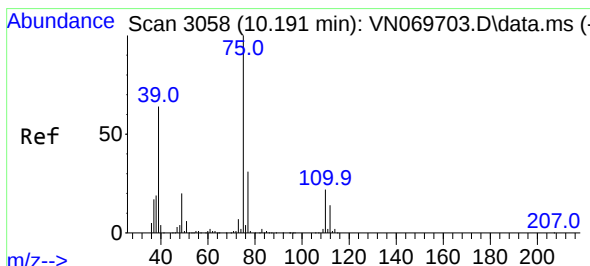
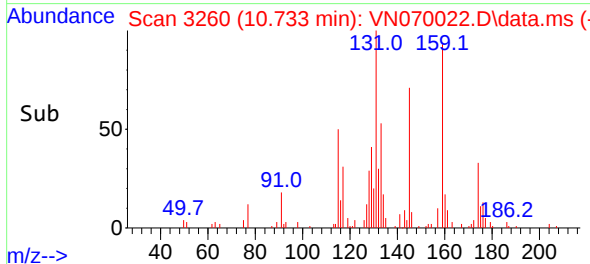
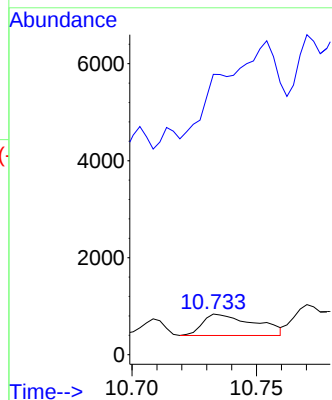
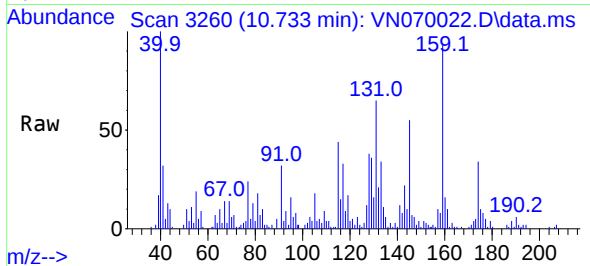




#53
t-1,3-Dichloropropene
Concen: 2.819 ug/l
RT: 10.733 min Scan# 31
Delta R.T. 0.014 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

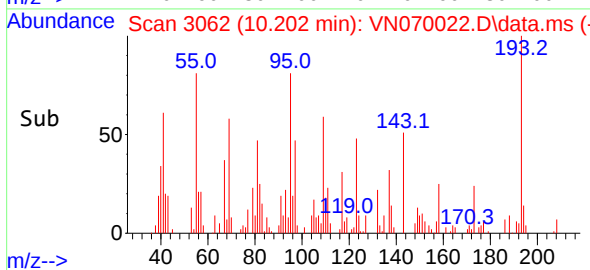
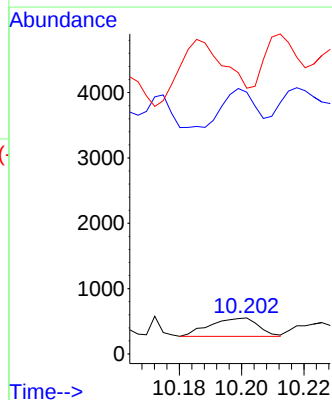
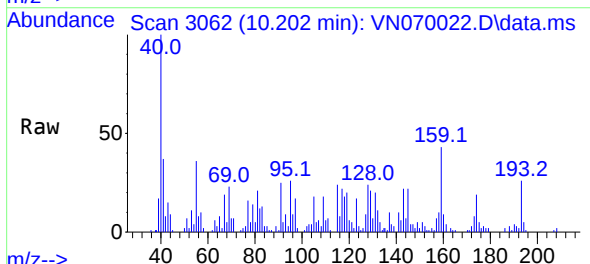
Instrument :
MSVOA_N
ClientSampleId :

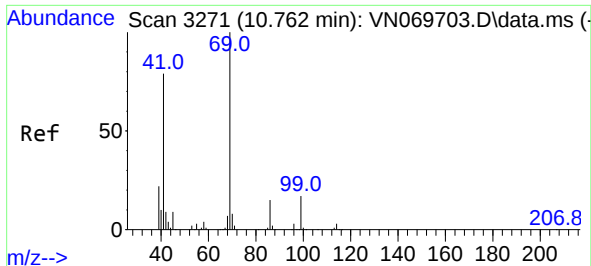
Tgt Ion: 75 Resp: 644
Ion Ratio Lower Upper
75 100
77 299.8 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.010 ug/l
RT: 10.202 min Scan# 3062
Delta R.T. 0.011 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

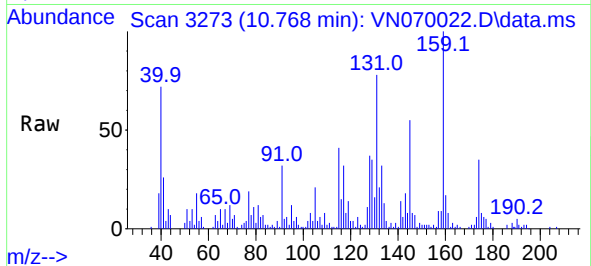
Tgt Ion: 75 Resp: 302
Ion Ratio Lower Upper
75 100
77 193.9 26.4 39.6#
39 0.0 42.5 63.7#



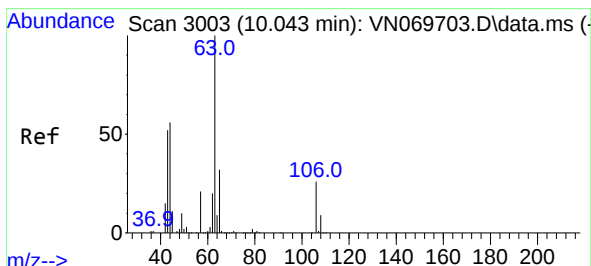
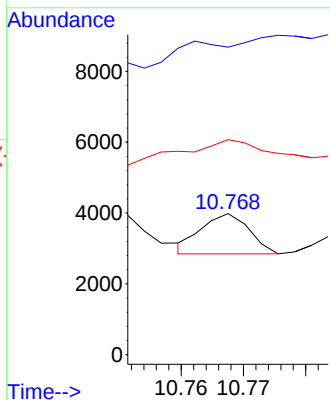
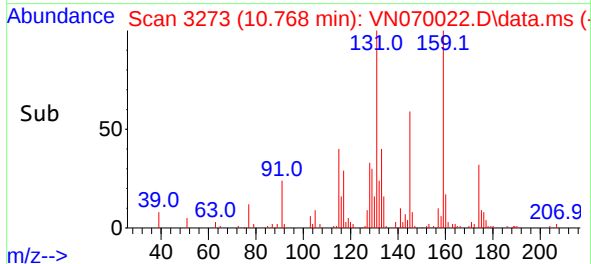


#56
Ethyl methacrylate
Concen: 2.299 ug/l
RT: 10.768 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Instrument :
MSVOA_N
ClientSampleId :

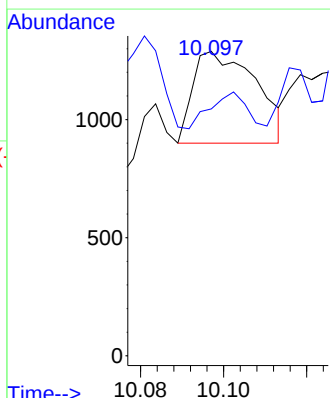
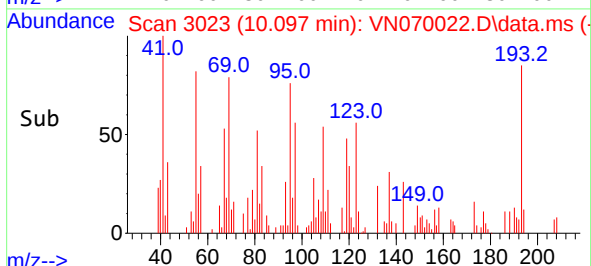
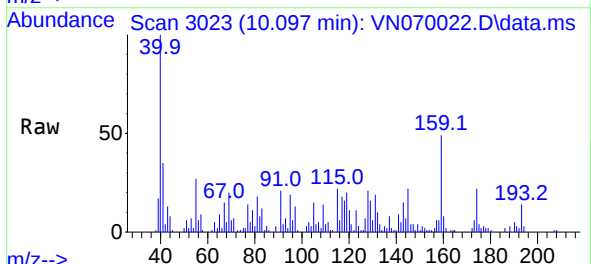


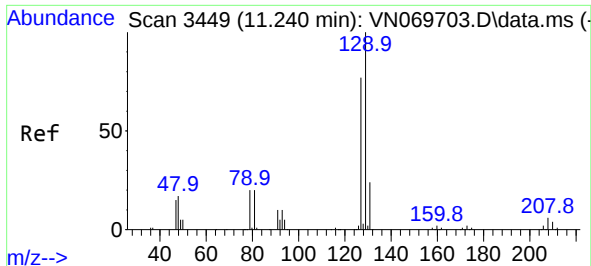
Tgt Ion: 69 Resp: 607
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 643.8 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.438 ug/l
RT: 10.097 min Scan# 3023
Delta R.T. 0.054 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion: 63 Resp: 409
Ion Ratio Lower Upper
63 100
106 26.9 23.9 35.9

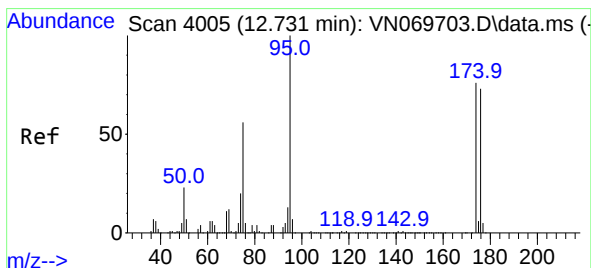
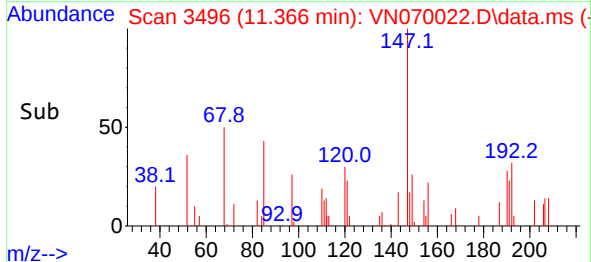
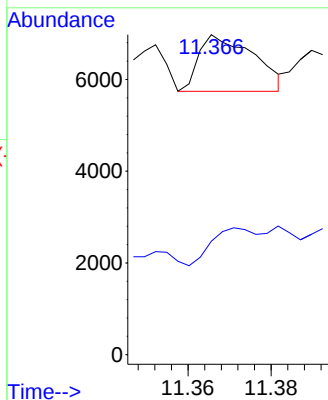
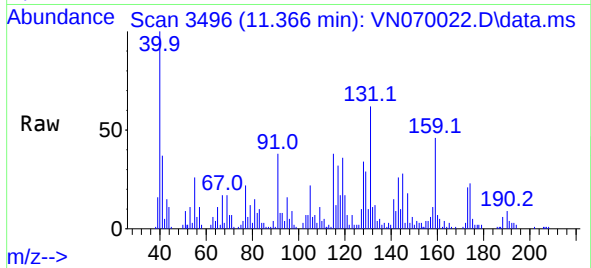




#60
Dibromochloromethane
Concen: 2.442 ug/l
RT: 11.366 min Scan# 3449
Delta R.T. 0.126 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

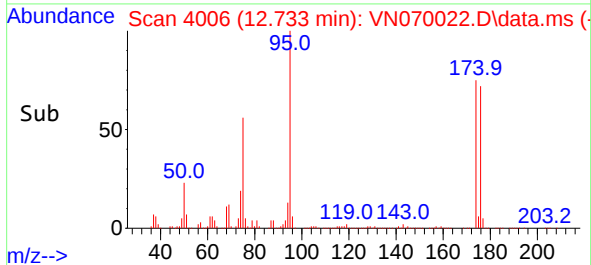
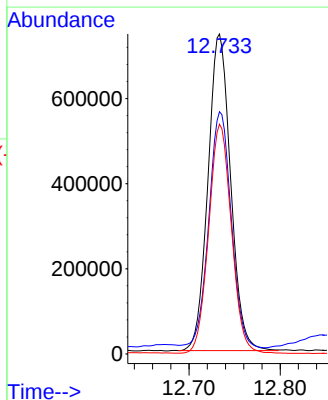
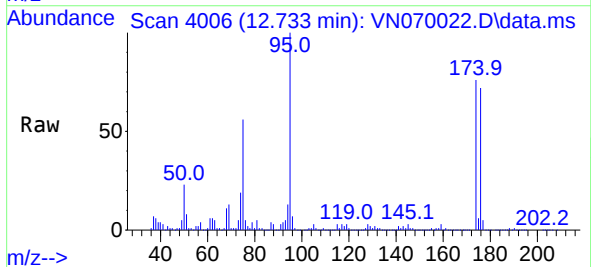
Instrument :
MSVOA_N
ClientSampleId :

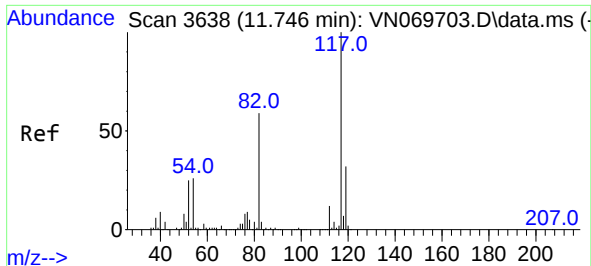
Tgt Ion:129 Resp: 1130
Ion Ratio Lower Upper
129 100
127 53.4 38.6 116.0



#62
4-Bromofluorobenzene
Concen: 66.650 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

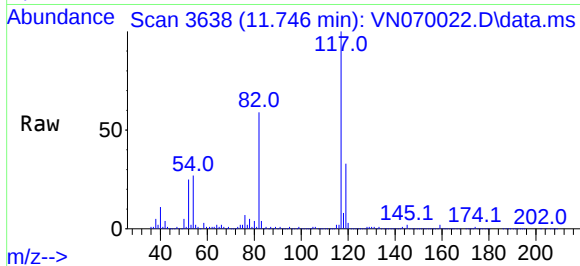
Tgt Ion: 95 Resp: 1284002
Ion Ratio Lower Upper
95 100
174 73.9 0.0 187.2
176 72.5 0.0 181.4





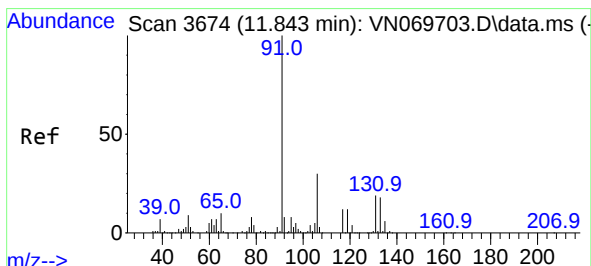
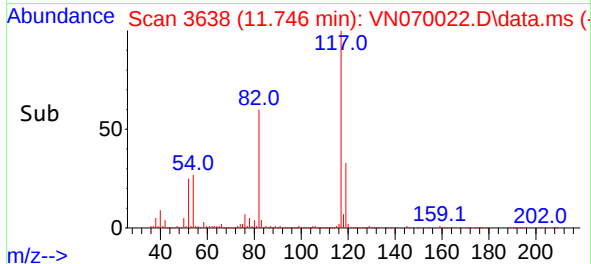
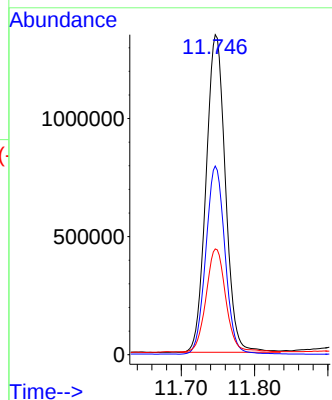
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 2469159

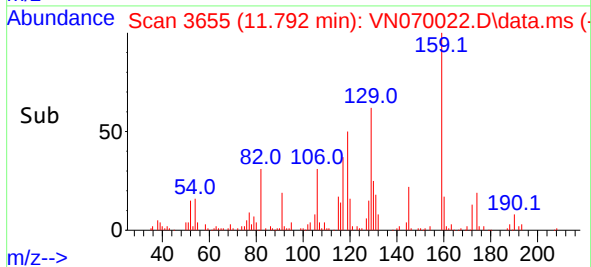
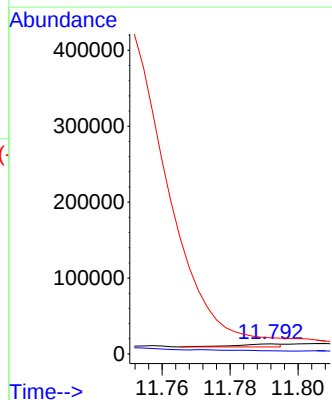
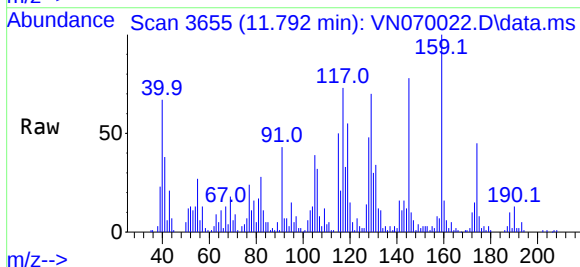
Ion	Ratio	Lower	Upper
117	100		
82	59.3	42.4	63.6
119	32.4	25.4	38.2

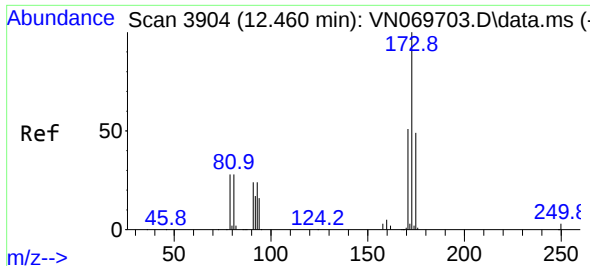


#66
1,1,1,2-Tetrachloroethane
Concen: 0.207 ug/l
RT: 11.792 min Scan# 3655
Delta R.T. -0.051 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion:131 Resp: 3658

Ion	Ratio	Lower	Upper
131	100		
133	0.0	47.9	143.7#
119	0.0	32.1	96.5#

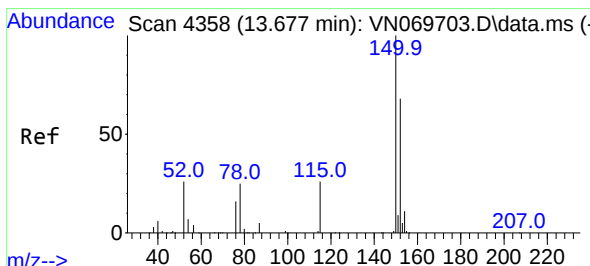
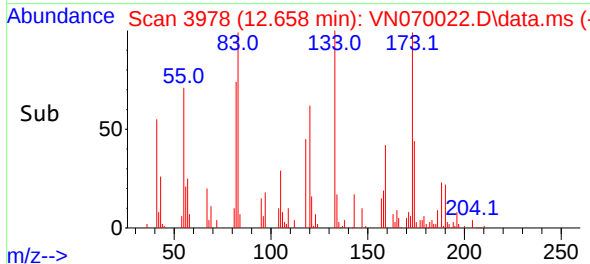
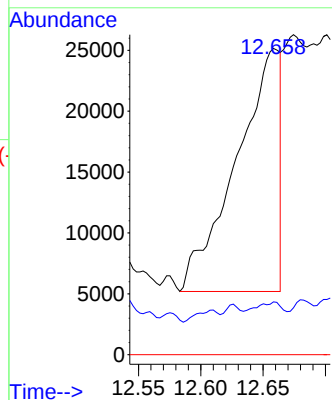
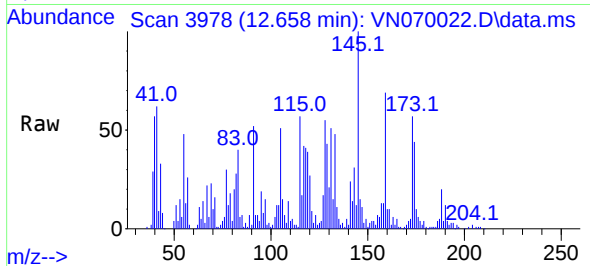




#71
Bromoform
Concen: 5.792 ug/l
RT: 12.658 min Scan# 3904
Delta R.T. 0.198 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

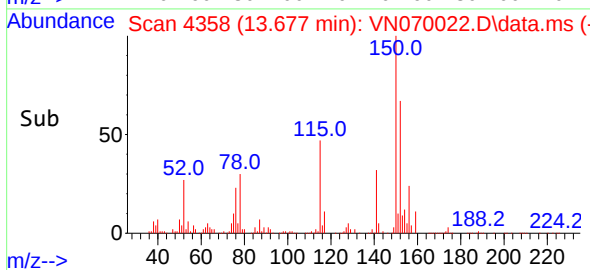
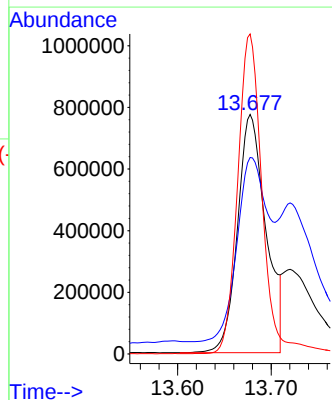
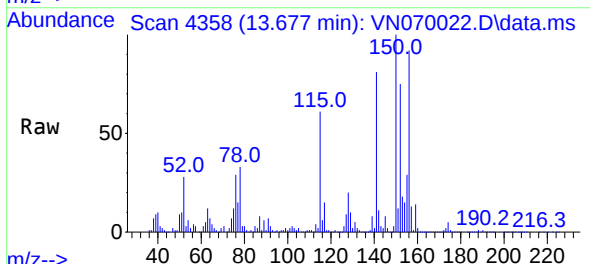
Instrument :
MSVOA_N
ClientSampleId :

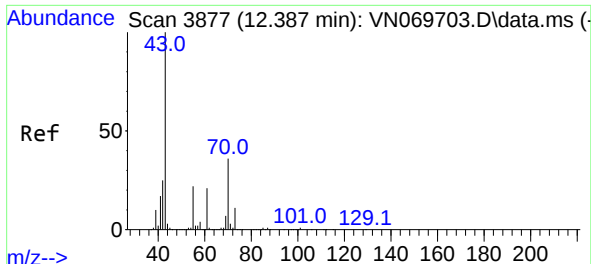
Tgt Ion:173 Resp: 48834
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

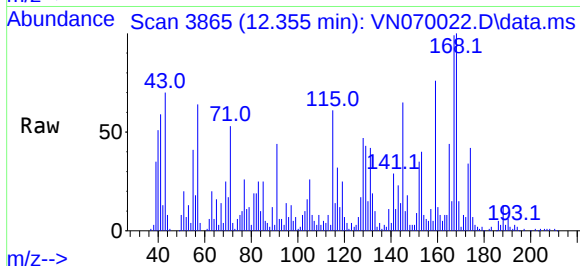
Tgt Ion:152 Resp: 1628192
Ion Ratio Lower Upper
152 100
115 85.0 27.5 82.5#
150 116.5 0.0 344.4





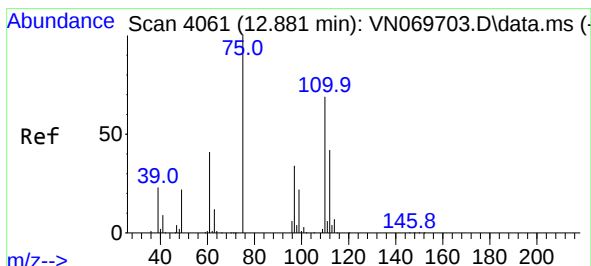
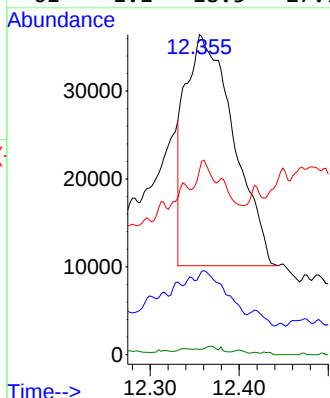
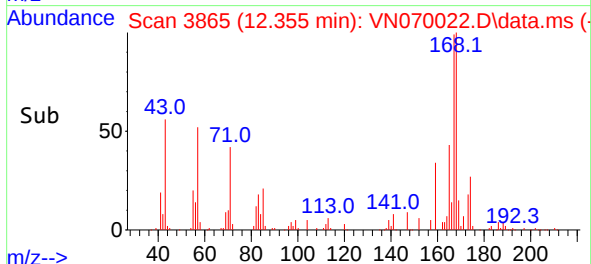
#74
N-amy1 acetate
Concen: 1.555 ug/l
RT: 12.355 min Scan# 31
Delta R.T. -0.032 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 99593

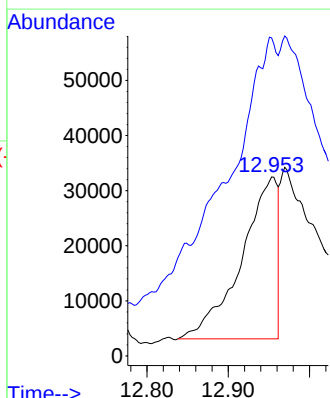
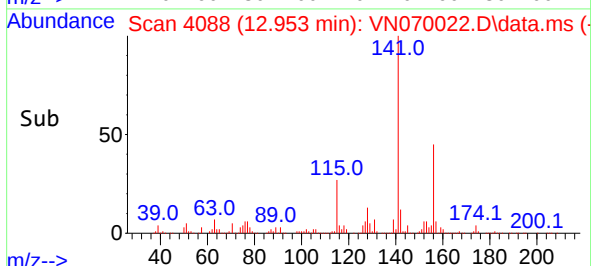
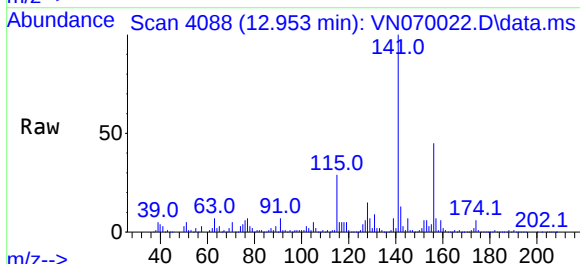
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.0#
55	3.2	19.3	28.9#
61	1.1	18.5	27.7#

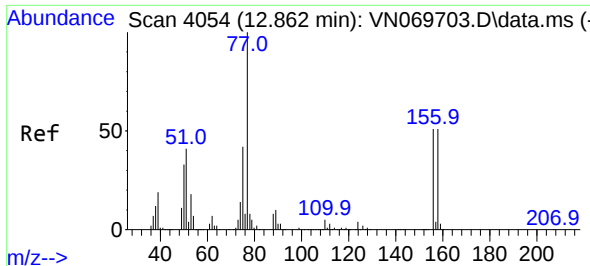


#76
1,2,3-Trichloropropane
Concen: 1.944 ug/l
RT: 12.953 min Scan# 4088
Delta R.T. 0.072 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion: 75 Resp: 90788

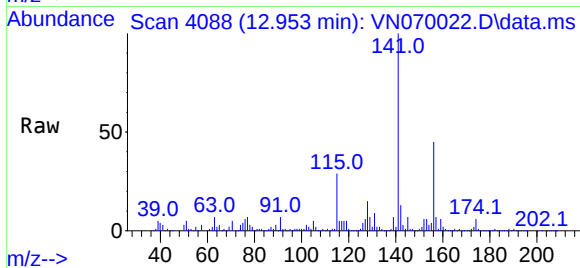
Ion	Ratio	Lower	Upper
75	100		
77	115.9	82.6	247.8



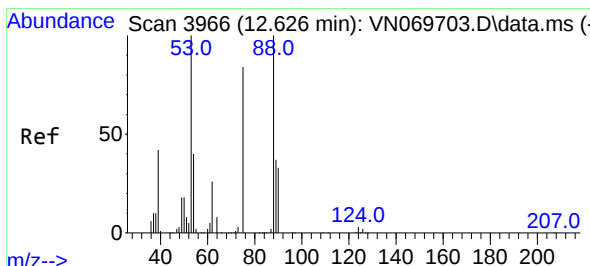
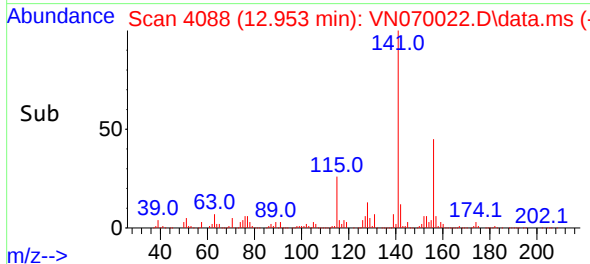
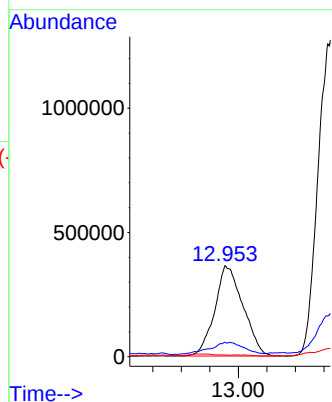


#77
Bromobenzene
Concen: 73.649 ug/l
RT: 12.953 min Scan# 4006
Delta R.T. 0.091 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Instrument :
MSVOA_N
ClientSampleId :

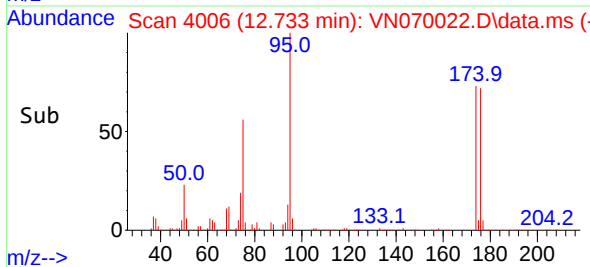
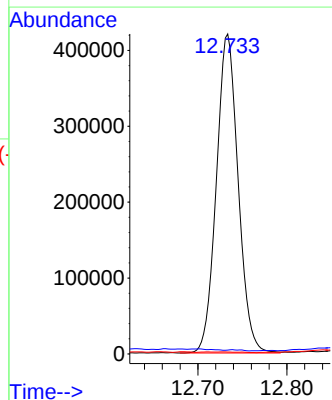
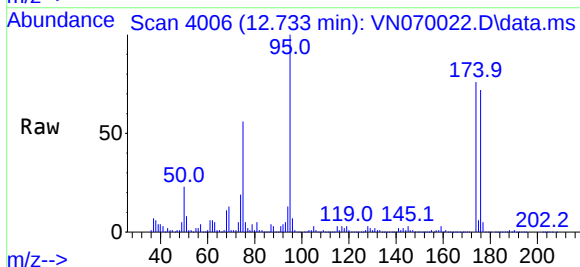


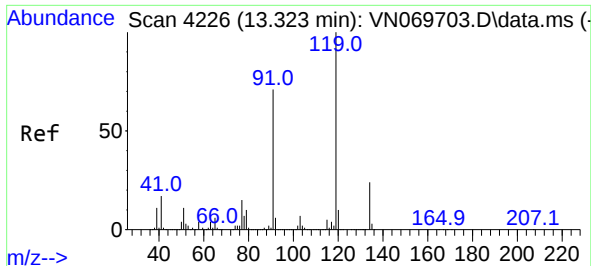
Tgt Ion:156 Resp: 2506007
Ion Ratio Lower Upper
156 100
77 4.2 90.6 271.8#
158 0.0 48.9 146.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.164 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion: 75 Resp: 715873
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

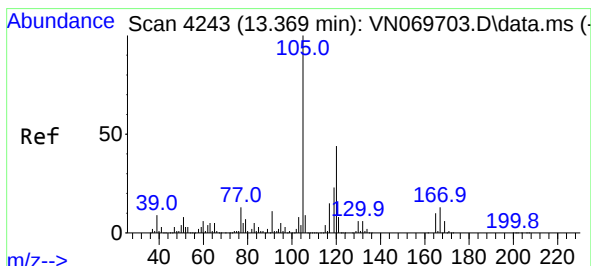
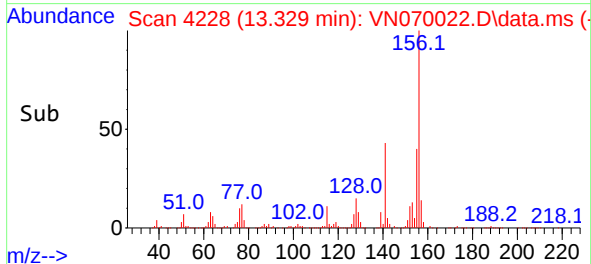
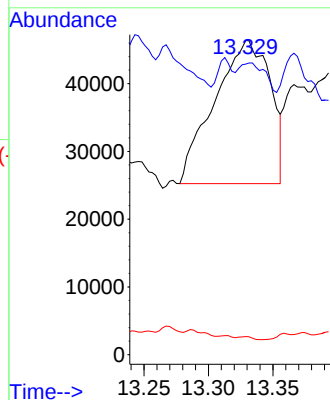
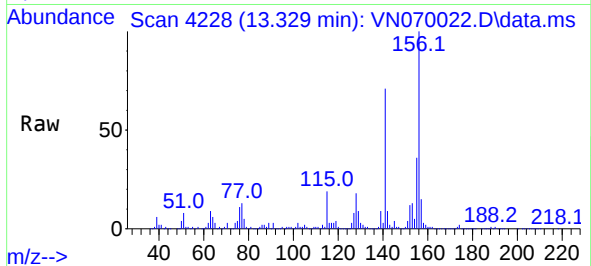




#83
tert-Butylbenzene
Concen: 0.617 ug/l
RT: 13.329 min Scan# 4226
Delta R.T. 0.005 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

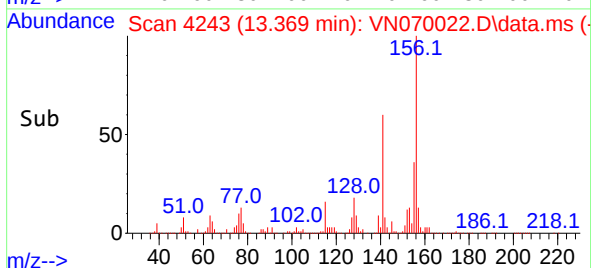
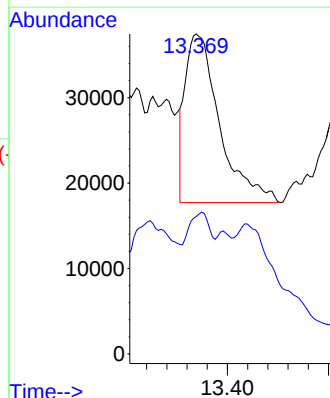
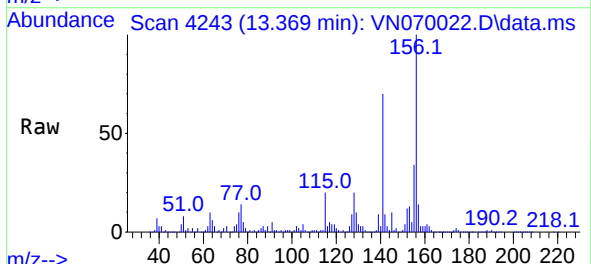
Instrument :
MSVOA_N
ClientSampleId :

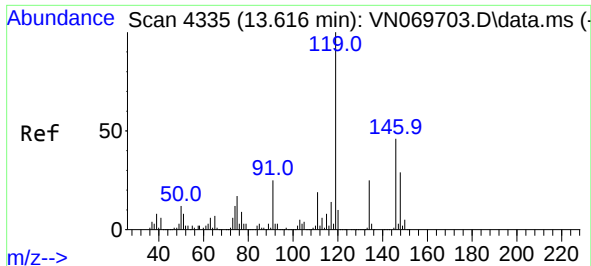
Tgt Ion:119 Resp: 63739
Ion Ratio Lower Upper
119 100
91 0.0 31.5 94.5#
134 0.0 12.4 37.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.420 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion:105 Resp: 46674
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4#

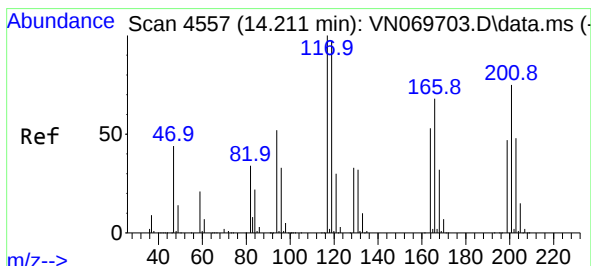
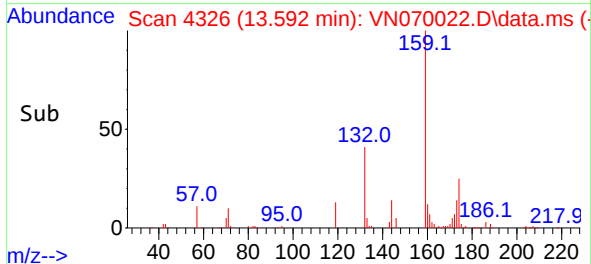
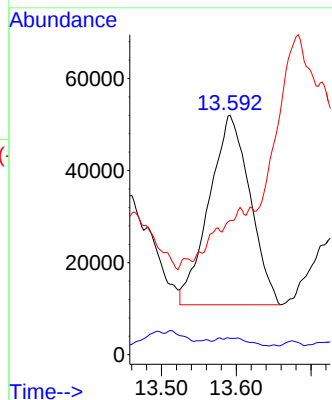
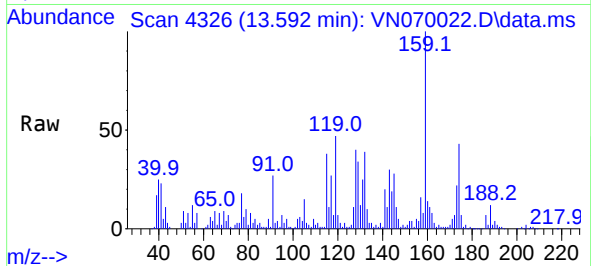




#86
p-Isopropyltoluene
Concen: 1.431 ug/l
RT: 13.592 min Scan# 41
Delta R.T. -0.024 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

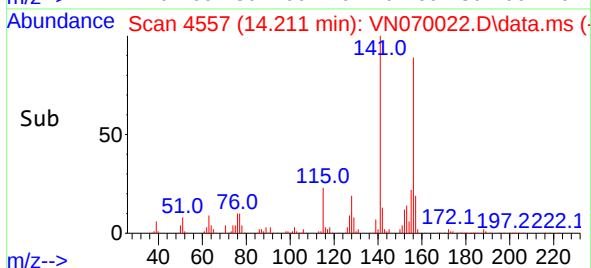
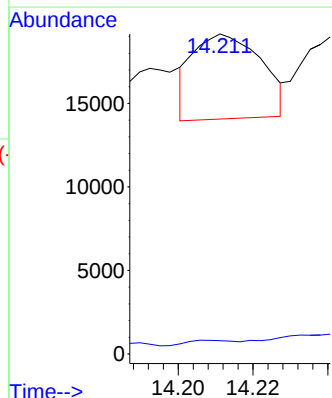
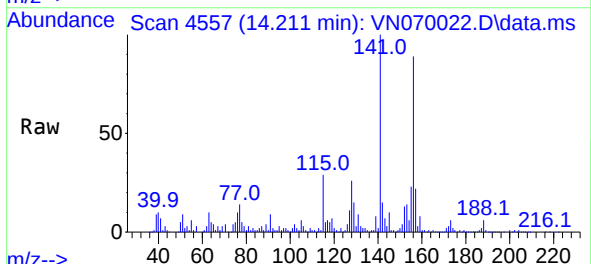
Instrument :
MSVOA_N
ClientSampleId :

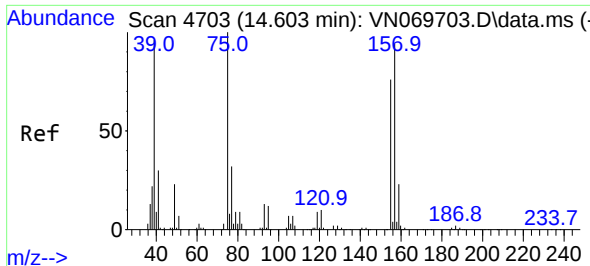
Tgt Ion:119 Resp: 156630
Ion Ratio Lower Upper
119 100
134 0.0 13.6 40.7#
91 6.4 11.4 34.1#



#90
Hexachloroethane
Concen: 0.335 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.000 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion:117 Resp: 6446
Ion Ratio Lower Upper
117 100
201 4.5 43.9 131.6#

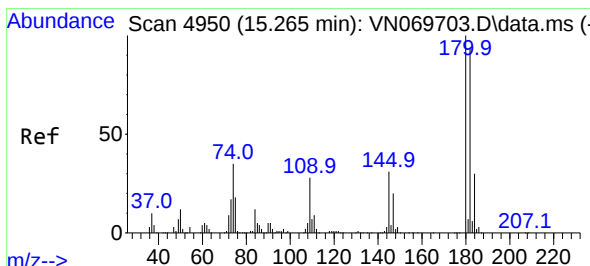
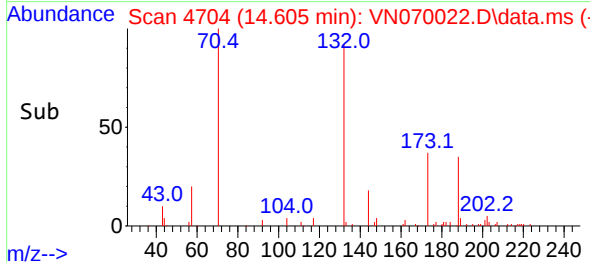
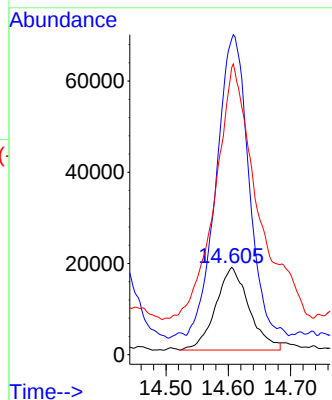
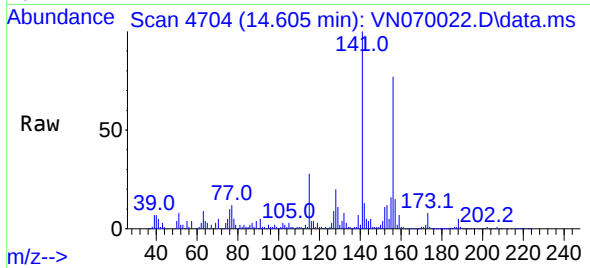




#92
1,2-Dibromo-3-Chloropropane
Concen: 7.464 ug/l
RT: 14.605 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

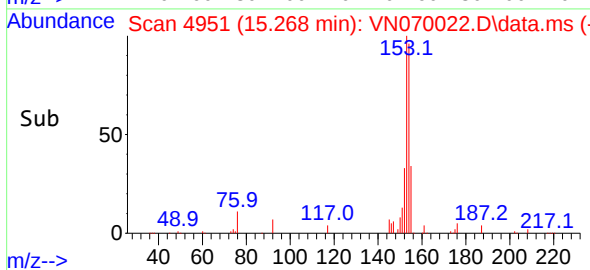
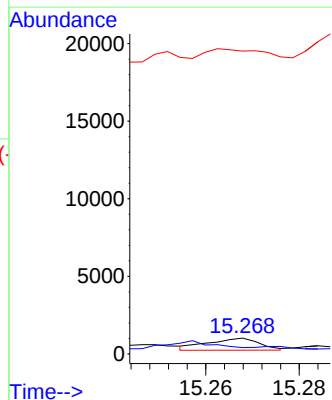
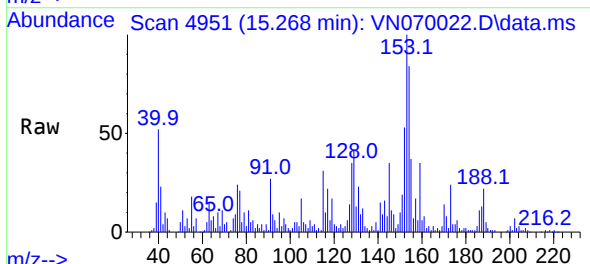
Instrument :
MSVOA_N
ClientSampleId :

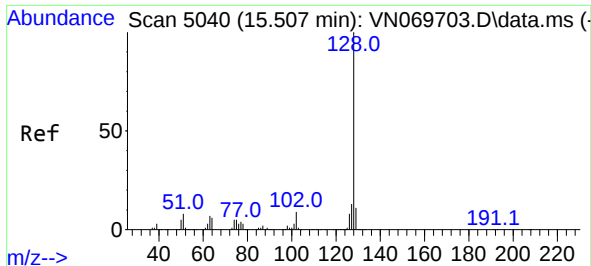
Tgt Ion: 75 Resp: 67566
Ion Ratio Lower Upper
75 100
155 346.7 46.9 140.7#
157 389.5 60.6 181.7#



#93
1,2,4-Trichlorobenzene
Concen: 2.899 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion:180 Resp: 589
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#

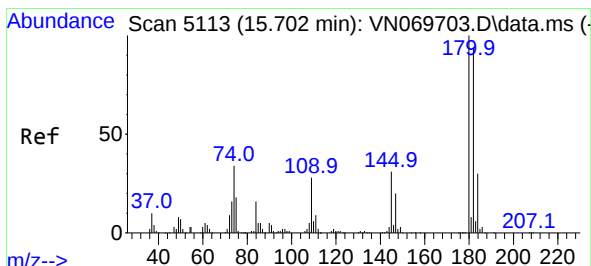
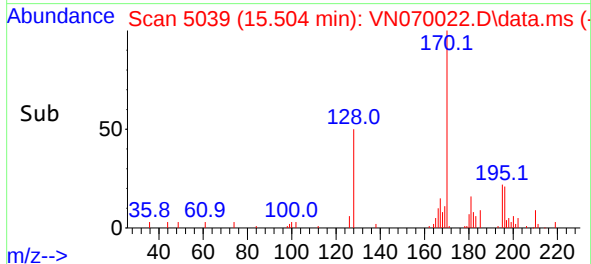
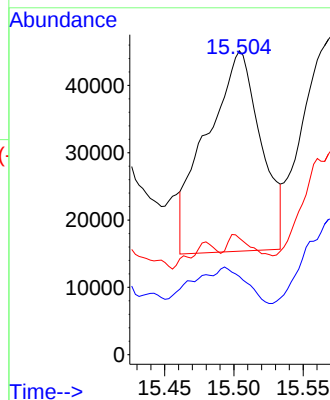
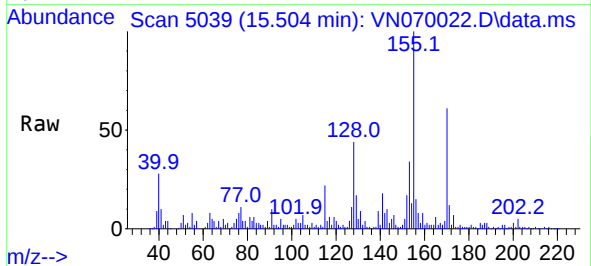




#95
Naphthalene
Concen: 4.918 ug/l
RT: 15.504 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 80676
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.470 ug/l
RT: 15.710 min Scan# 5116
Delta R.T. 0.008 min
Lab File: VN070022.D
Acq: 11 Dec 2021 21:10

Tgt Ion:180 Resp: 935
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 15.0 45.1#

