

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121121\
 Data File : VN070010.D
 Acq On : 11 Dec 2021 16:02
 Operator : JC/MD
 Sample : M4873-13
 Misc : 5.99g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 16:22:02 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)

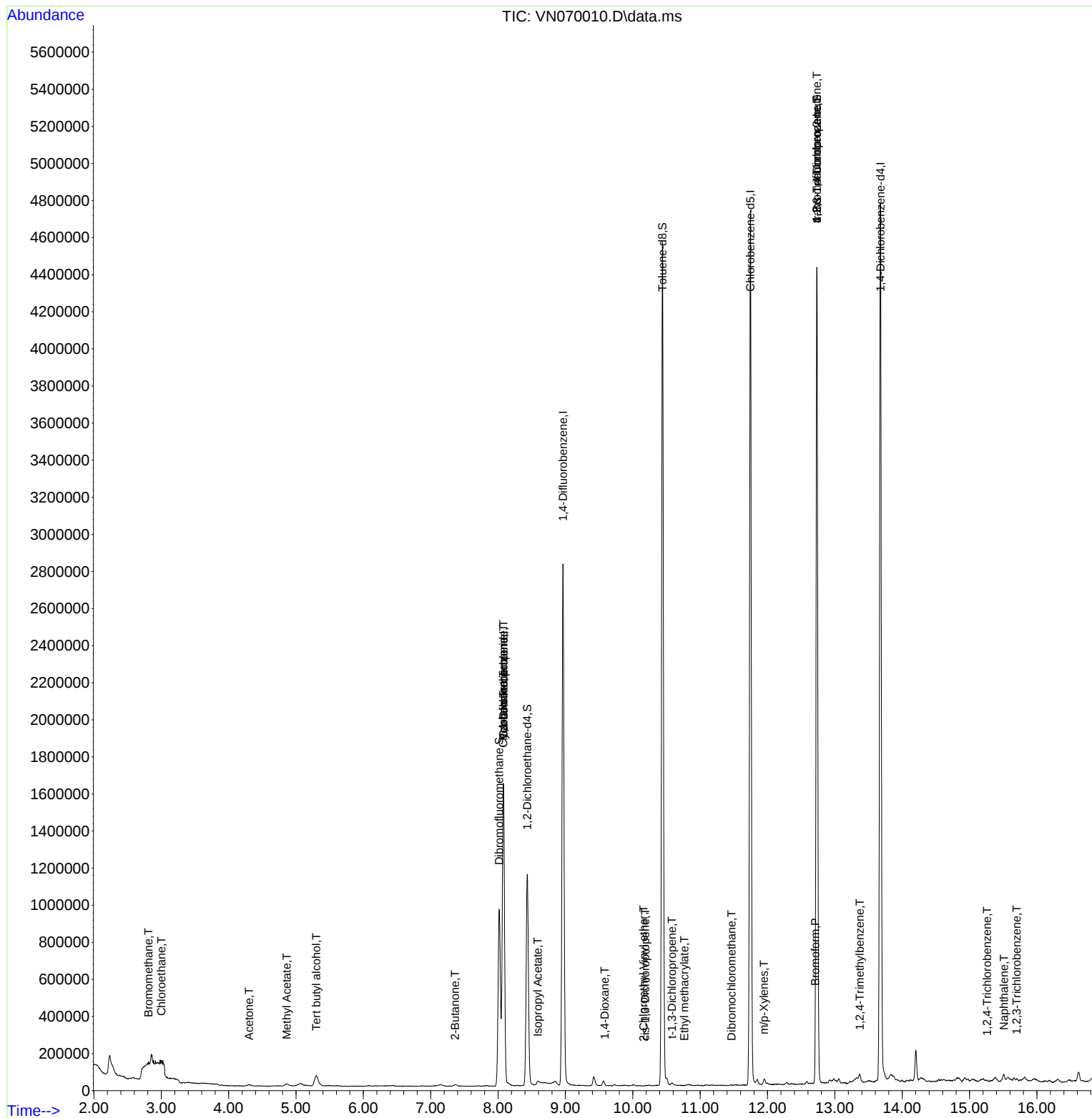
Internal Standards						
1) Pentafluorobenzene	8.080	168	1235343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2328620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2542273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	1233614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	974881	51.111	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.220%	
35) Dibromofluoromethane	8.016	113	699762	47.975	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.940%	
50) Toluene-d8	10.440	98	3052529	52.120	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	12.734	95	1312355	61.852	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 123.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.810	94	2001	0.222	ug/l	98
6) Chloroethane	3.001	64	2472	0.243	ug/l #	55
11) Tert butyl alcohol	5.302	59	63563	17.630	ug/l #	73
16) Acetone	4.301	43	4642	0.405	ug/l #	87
18) Methyl Acetate	4.862	43	29129	0.841	ug/l #	71
25) 2-Butanone	7.359	43	5913	0.379	ug/l	93
31) Cyclohexane	8.075	56	33159	1.249	ug/l #	34
36) 1,1-Dichloropropene	8.078	75	104656	4.721	ug/l #	43
38) Carbon Tetrachloride	8.078	117	124194	5.713	ug/l #	16
43) Isopropyl Acetate	8.587	43	15854	0.325	ug/l #	55
49) 1,4-Dioxane	9.585	88	585	1.431	ug/l #	1
53) t-1,3-Dichloropropene	10.583	75	3560	2.918	ug/l #	69
54) cis-1,3-Dichloropropene	10.186	75	26	2.000	ug/l #	1
56) Ethyl methacrylate	10.768	69	109	2.282	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.159	63	52	18.395	ug/l #	45
60) Dibromochloromethane	11.468	129	56	2.379	ug/l	64
68) m/p-Xylenes	11.948	106	8726	0.256	ug/l	94
71) Bromoform	12.707	173	381	2.754	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	750008	21.200	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	750008	67.811	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.372	105	17383	0.207	ug/l	97
93) 1,2,4-Trichlorobenzene	15.260	180	1272	2.937	ug/l #	49
95) Naphthalene	15.509	128	34536	4.512	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.700	180	1551	2.510	ug/l #	70

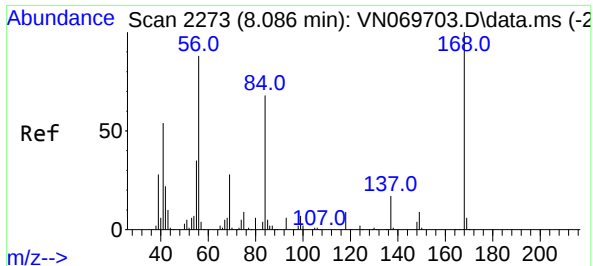
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

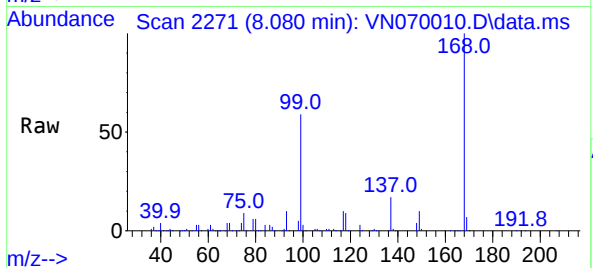
Quant Time: Dec 12 16:22:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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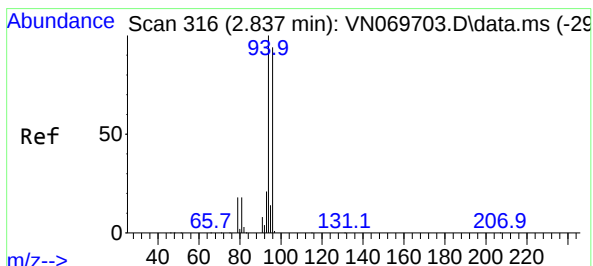
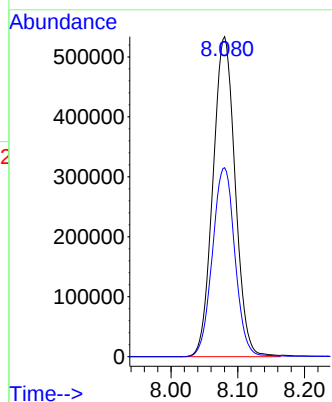
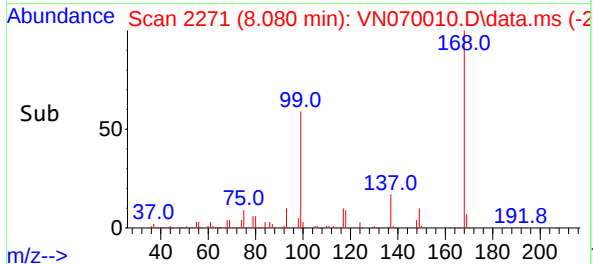


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :

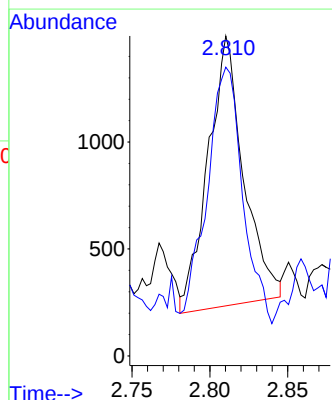
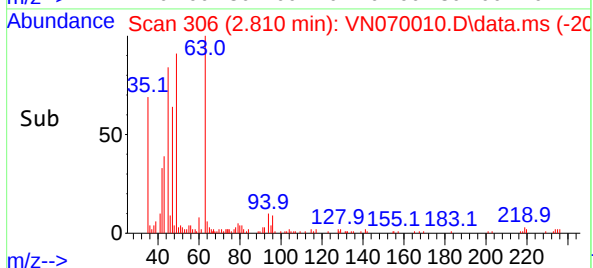
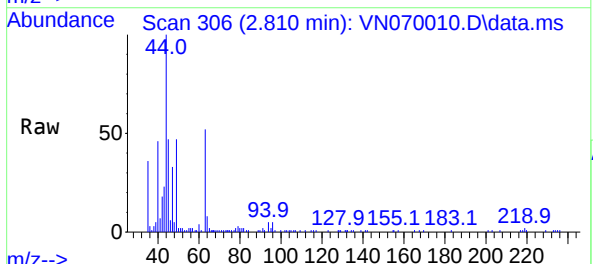


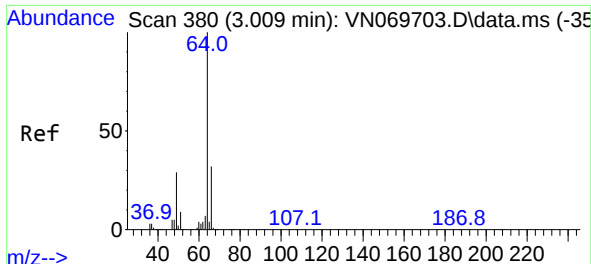
Tgt Ion:168 Resp: 1235343
Ion Ratio Lower Upper
168 100
99 59.0 41.3 61.9



#5
Bromomethane
Concen: 0.222 ug/l
RT: 2.810 min Scan# 306
Delta R.T. -0.027 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion: 94 Resp: 2001
Ion Ratio Lower Upper
94 100
96 94.3 73.8 110.8

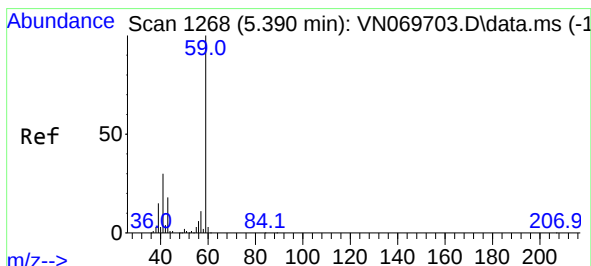
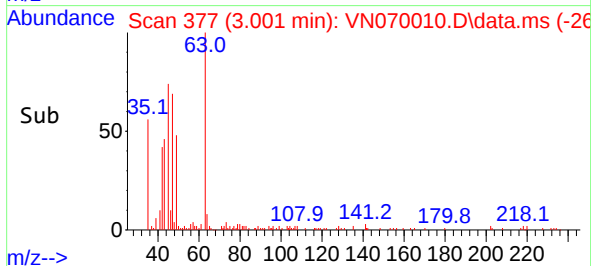
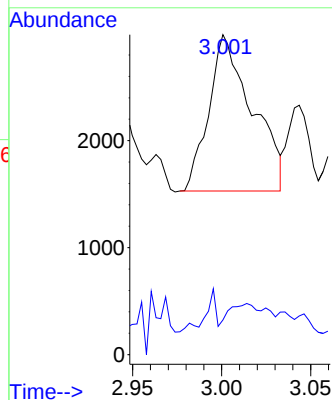
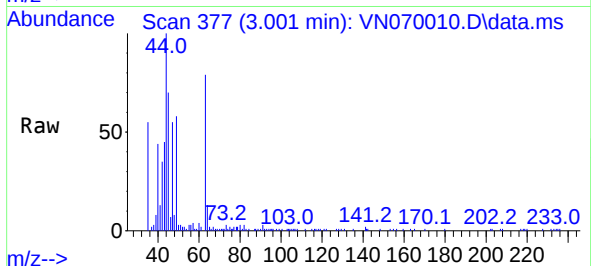




#6
Chloroethane
Concen: 0.243 ug/l
RT: 3.001 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

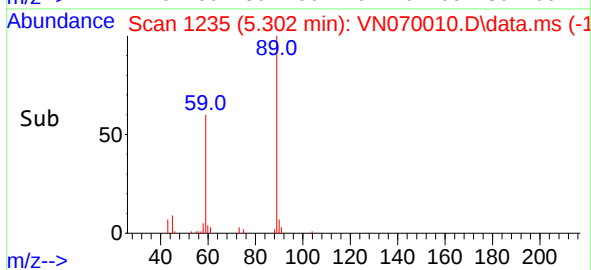
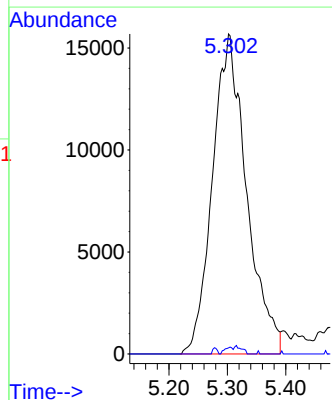
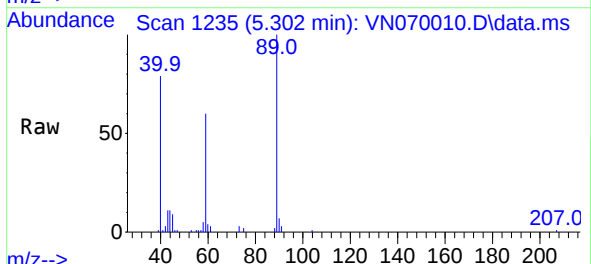
Instrument :
MSVOA_N
ClientSampleId :

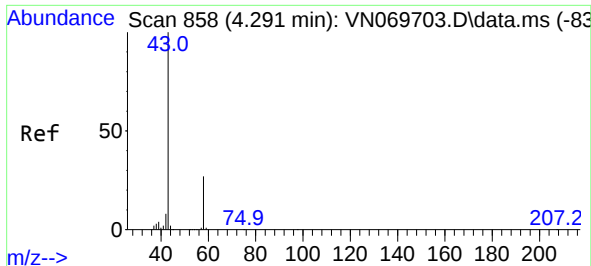
Tgt Ion: 64 Resp: 2472
Ion Ratio Lower Upper
64 100
66 7.5 26.3 39.5#



#11
Tert butyl alcohol
Concen: 17.630 ug/l
RT: 5.302 min Scan# 1235
Delta R.T. -0.088 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion: 59 Resp: 63563
Ion Ratio Lower Upper
59 100
57 0.5 8.7 13.1#

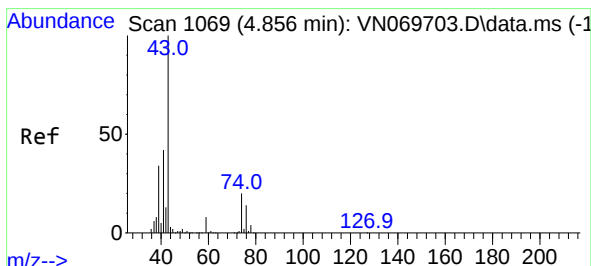
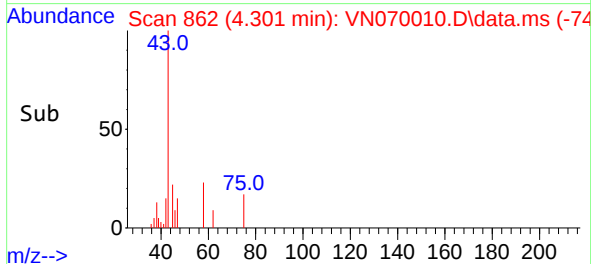
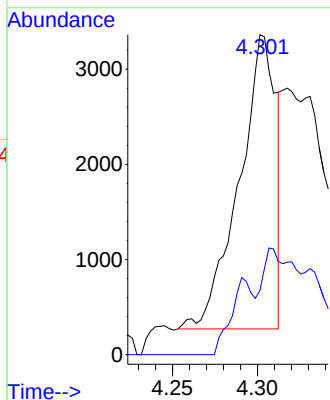
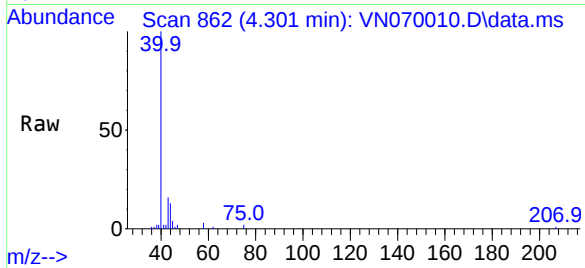




#16
Acetone
Concen: 0.405 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

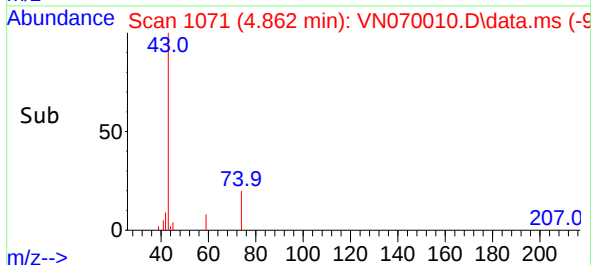
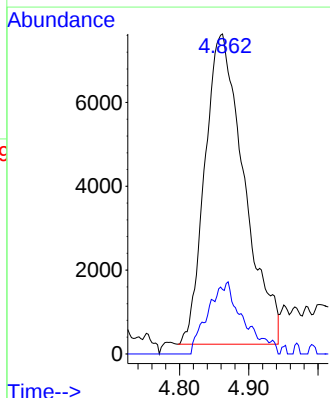
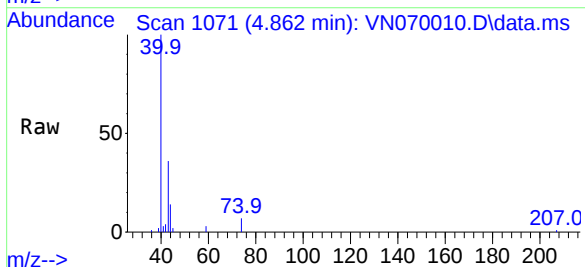
Instrument :
MSVOA_N
ClientSampleId :

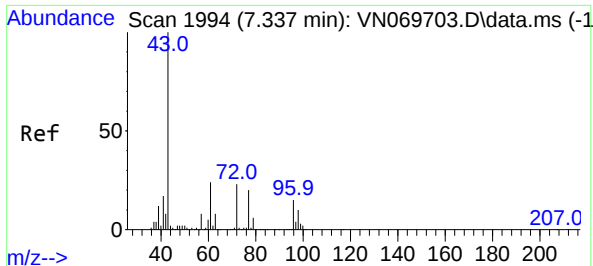
Tgt Ion: 43 Resp: 4642
Ion Ratio Lower Upper
43 100
58 21.9 23.1 34.7#



#18
Methyl Acetate
Concen: 0.841 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion: 43 Resp: 29129
Ion Ratio Lower Upper
43 100
74 10.0 19.4 29.2#

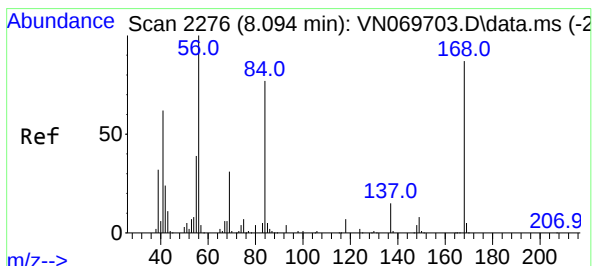
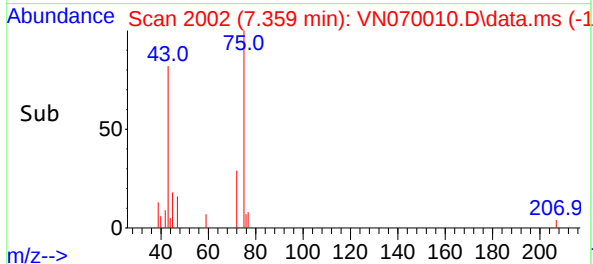
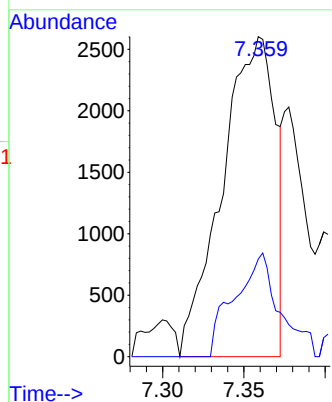
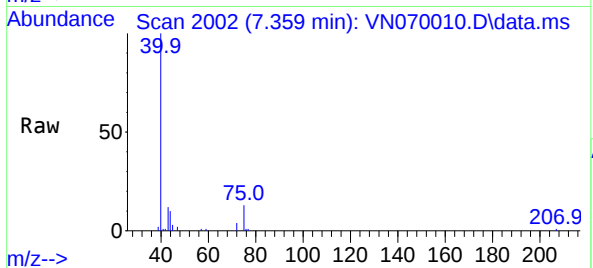




#25
2-Butanone
Concen: 0.379 ug/l
RT: 7.359 min Scan# 2002
Delta R.T. 0.022 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

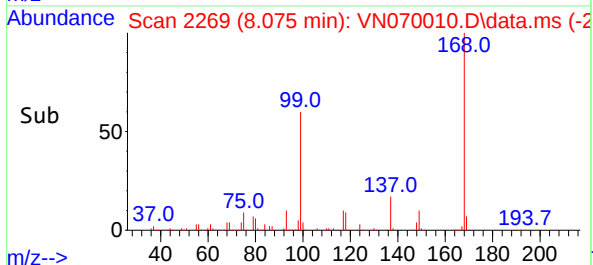
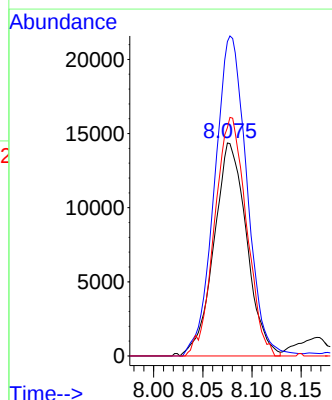
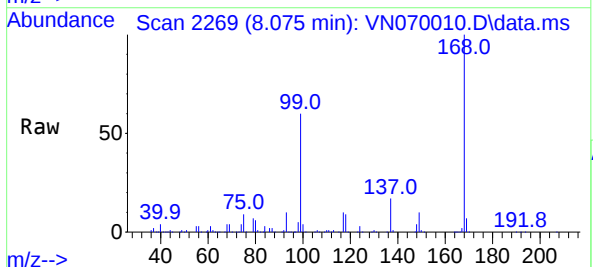
Instrument :
MSVOA_N
ClientSampleId :

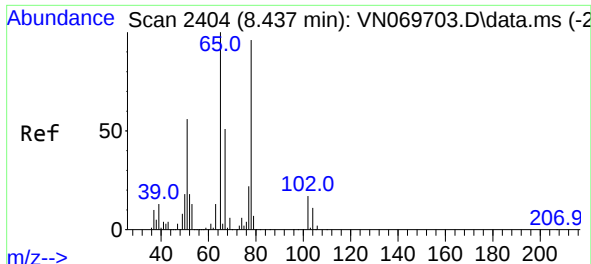
Tgt Ion: 43 Resp: 5913
Ion Ratio Lower Upper
43 100
72 30.5 21.7 32.5



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.075 min Scan# 2269
Delta R.T. -0.019 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion: 56 Resp: 33159
Ion Ratio Lower Upper
56 100
69 147.6 27.1 40.7#
84 107.2 73.4 110.0

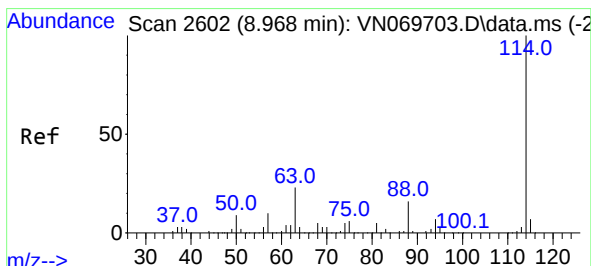
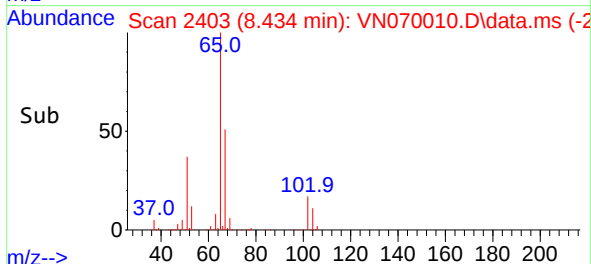
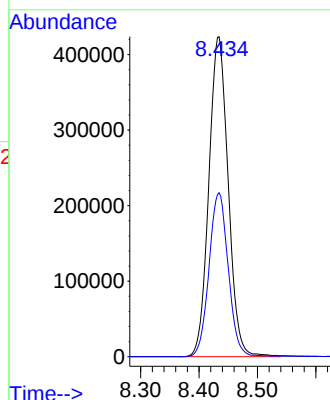
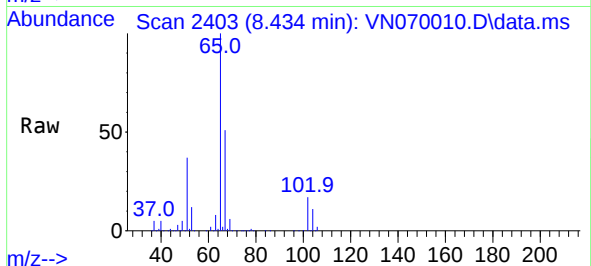




#33
1,2-Dichloroethane-d4
Concen: 51.111 ug/l
RT: 8.434 min Scan# 24
Delta R.T. -0.003 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

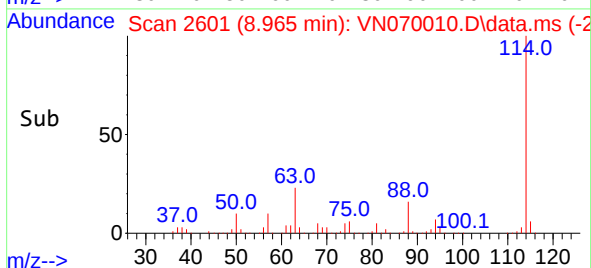
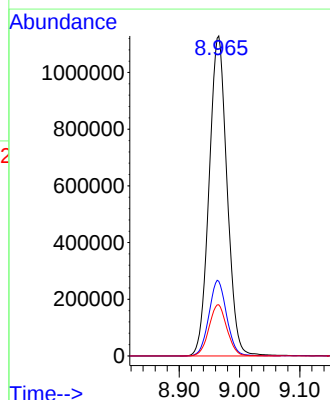
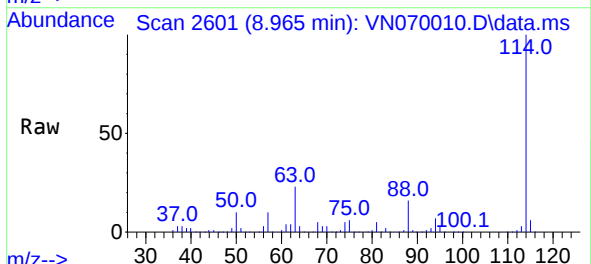
Instrument :
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ClientSampleId :

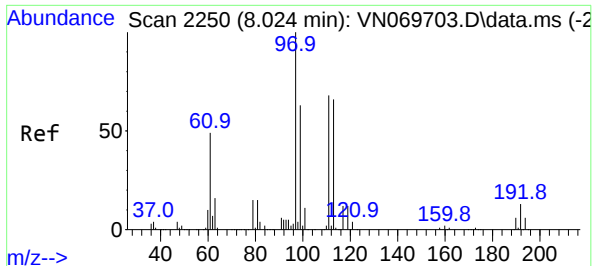
Tgt Ion: 65 Resp: 974881
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

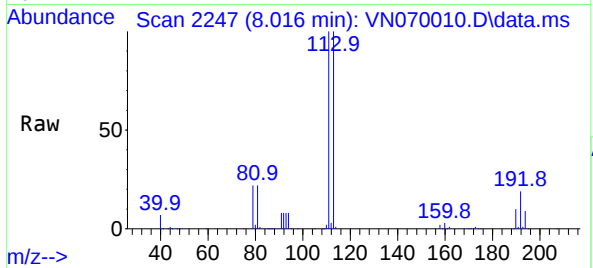
Tgt Ion: 114 Resp: 2328620
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.0 0.0 27.4



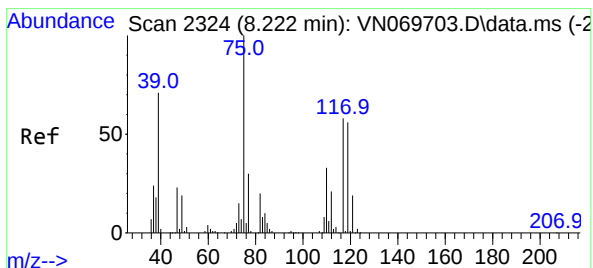
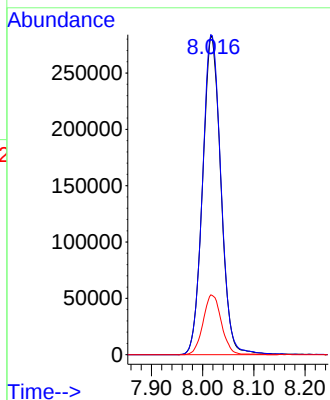
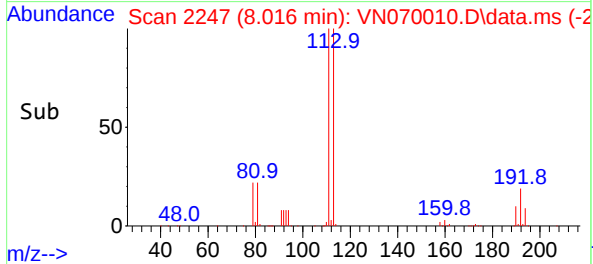


#35
Dibromofluoromethane
Concen: 47.975 ug/l
RT: 8.016 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Instrument :
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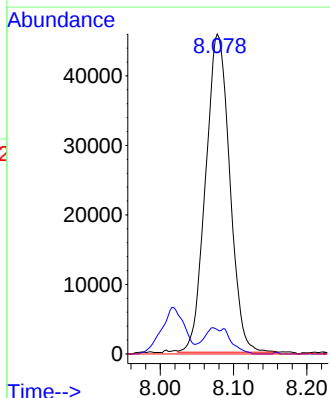
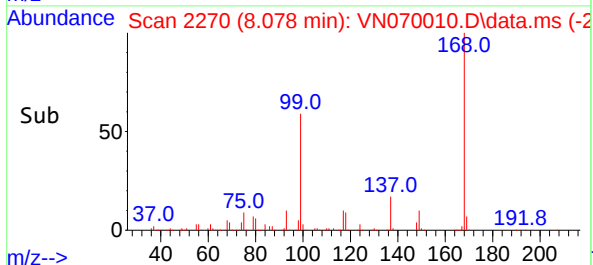
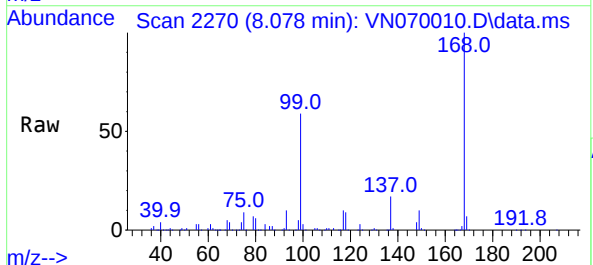


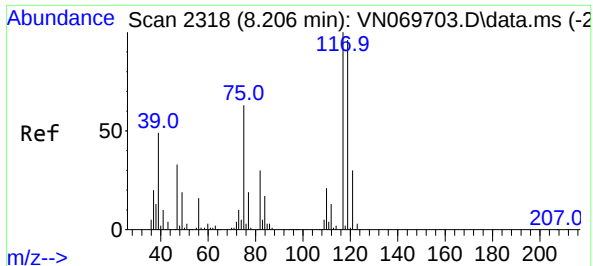
Tgt Ion:113 Resp: 699762
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.145 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

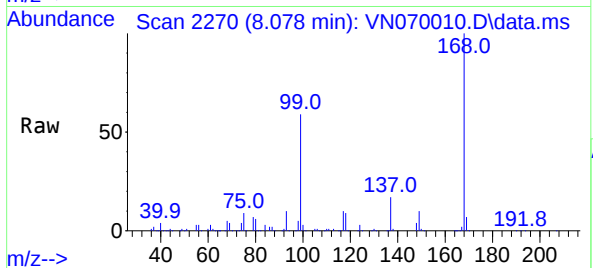
Tgt Ion: 75 Resp: 104656
Ion Ratio Lower Upper
75 100
110 2.5 18.4 55.2#
77 0.0 24.4 36.6#



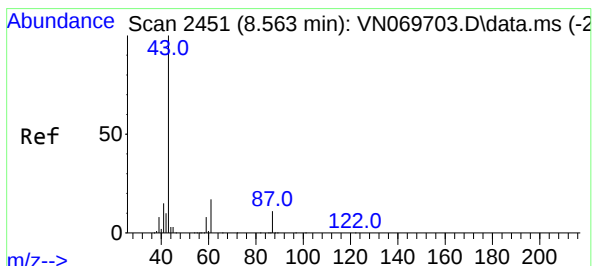
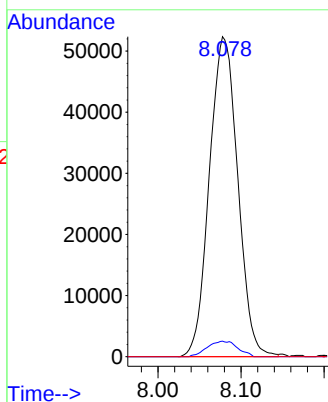
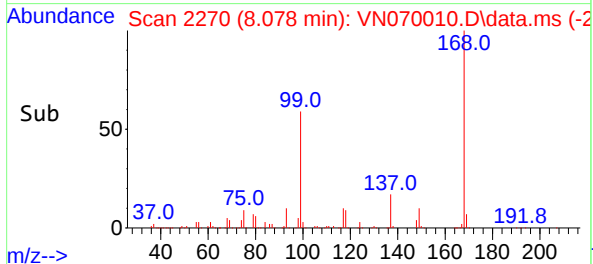


#38
Carbon Tetrachloride
Concen: 5.713 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.129 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

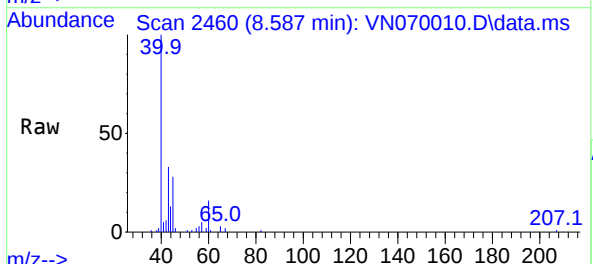
Instrument :
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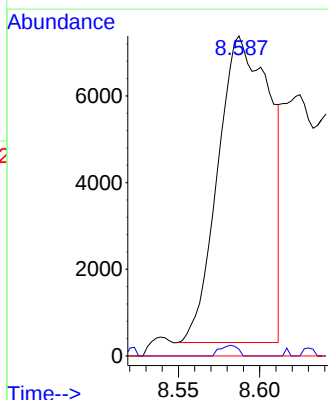
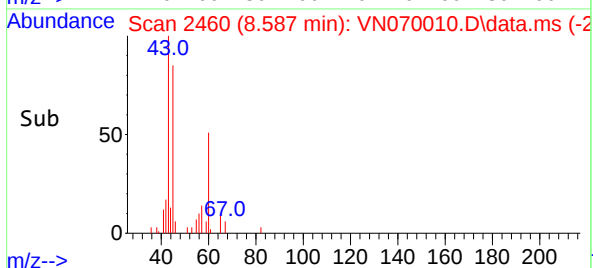
Tgt Ion:117 Resp: 124194
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#

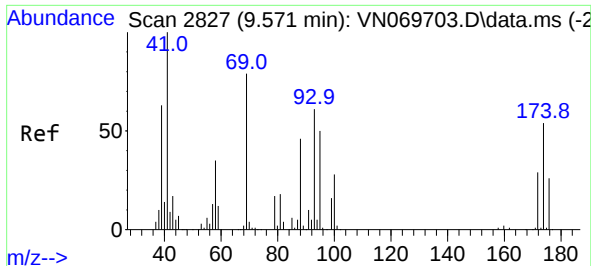


#43
Isopropyl Acetate
Concen: 0.325 ug/l
RT: 8.587 min Scan# 2460
Delta R.T. 0.024 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02



Tgt Ion: 43 Resp: 15854
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

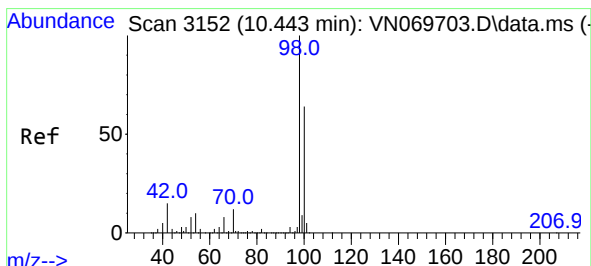
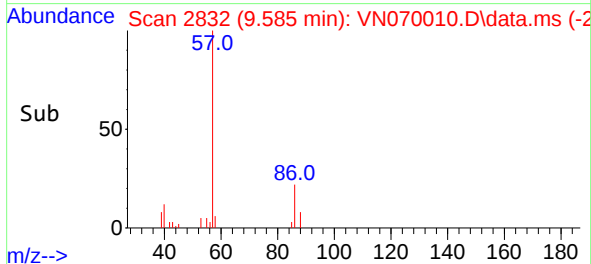
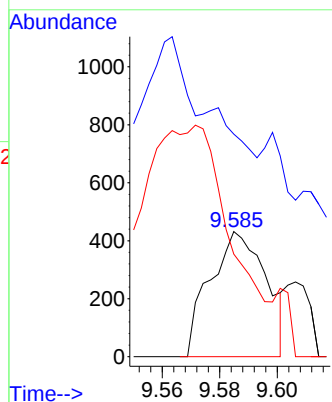
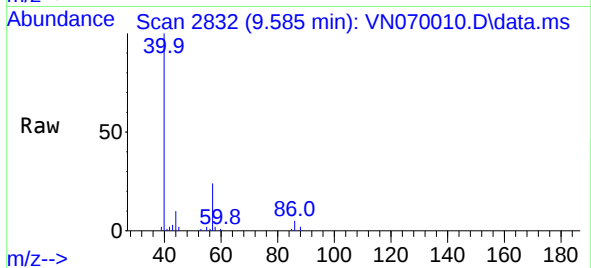




#49
1,4-Dioxane
Concen: 1.431 ug/l
RT: 9.585 min Scan# 21
Delta R.T. 0.014 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

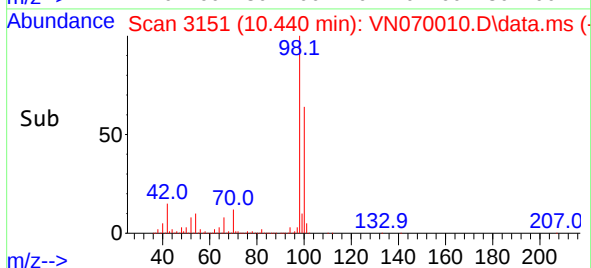
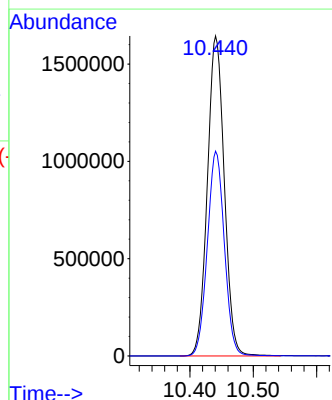
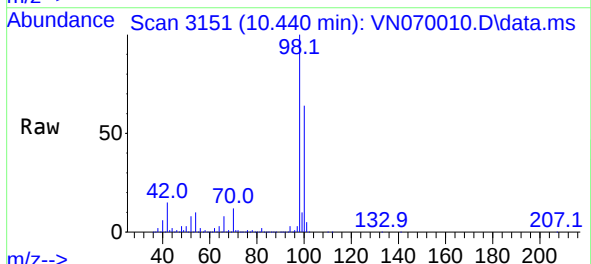
Instrument :
MSVOA_N
ClientSampleId :

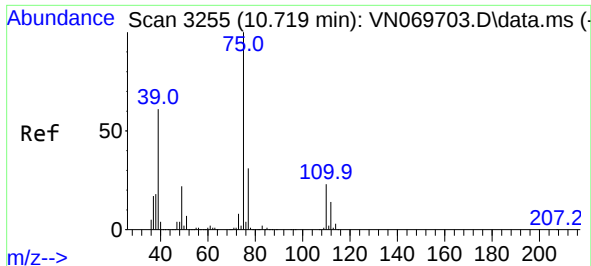
Tgt Ion: 88 Resp: 585
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 312.0 50.6 75.8#



#50
Toluene-d8
Concen: 52.120 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

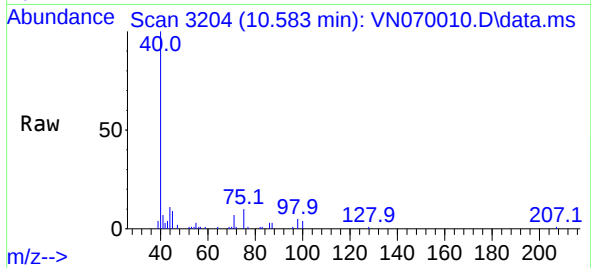
Tgt Ion: 98 Resp: 3052529
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



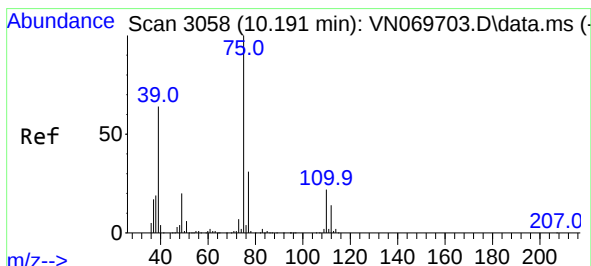
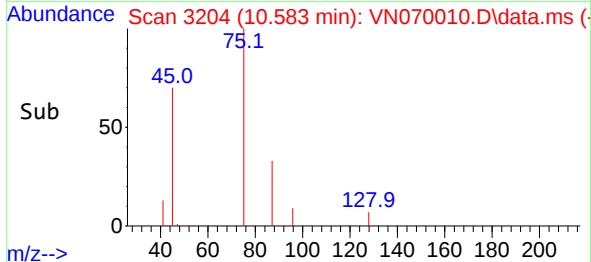
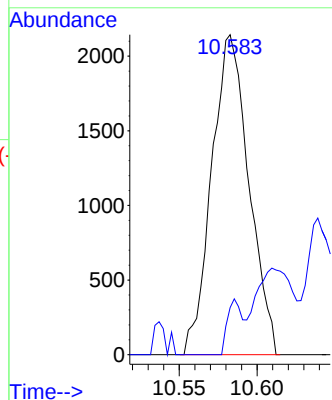


#53
t-1,3-Dichloropropene
Concen: 2.918 ug/l
RT: 10.583 min Scan# 31
Delta R.T. -0.136 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :

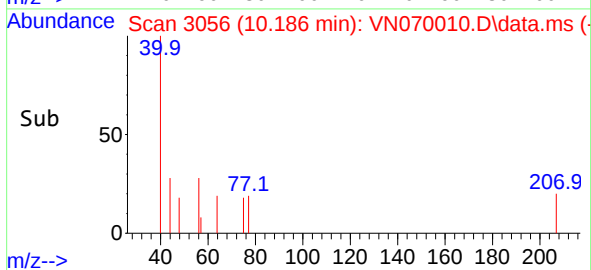
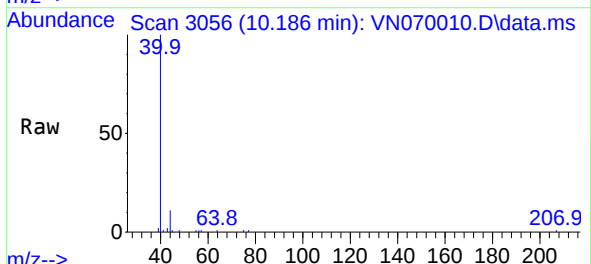
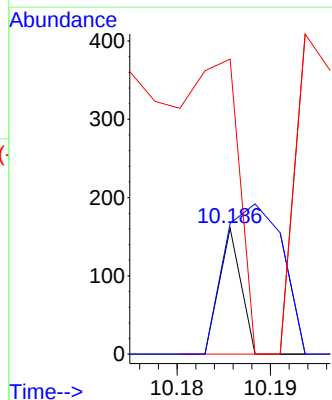


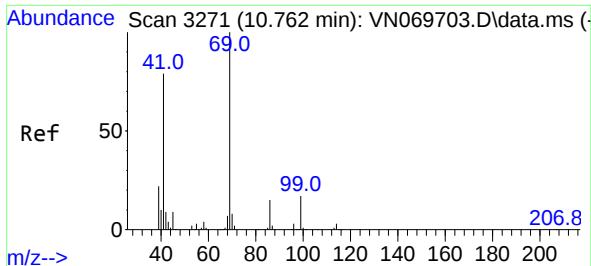
Tgt Ion: 75 Resp: 3560
Ion Ratio Lower Upper
75 100
77 14.7 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.186 min Scan# 3056
Delta R.T. -0.005 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

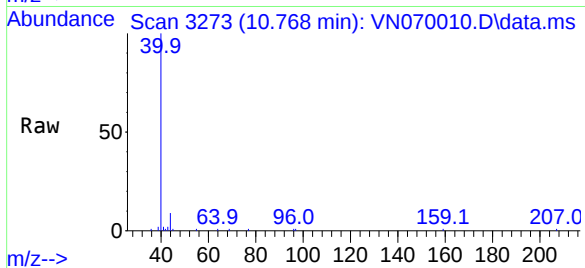
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 103.7 26.4 39.6#
39 234.2 42.5 63.7#



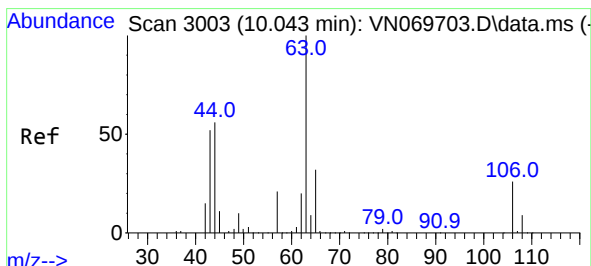
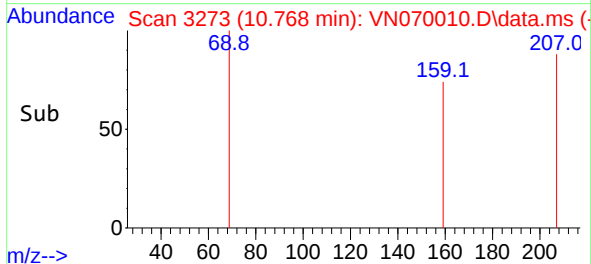
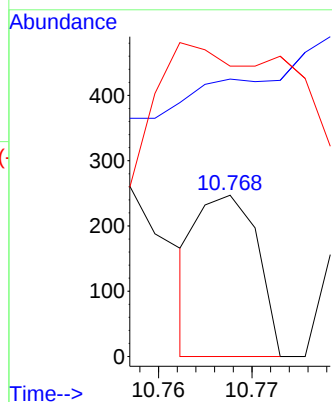


#56
Ethyl methacrylate
Concen: 2.282 ug/l
RT: 10.768 min Scan# 3109
Delta R.T. 0.006 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :

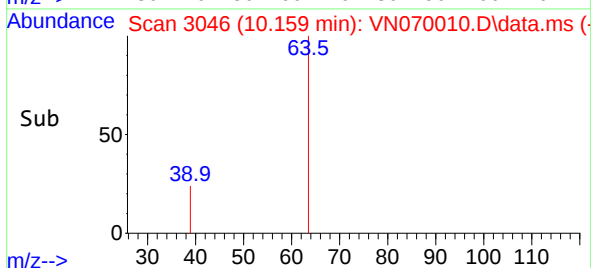
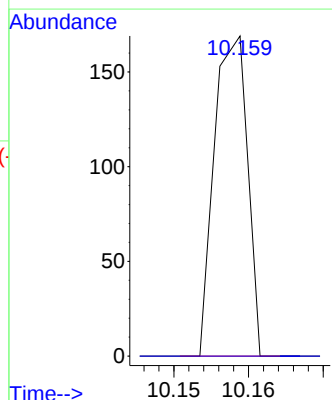
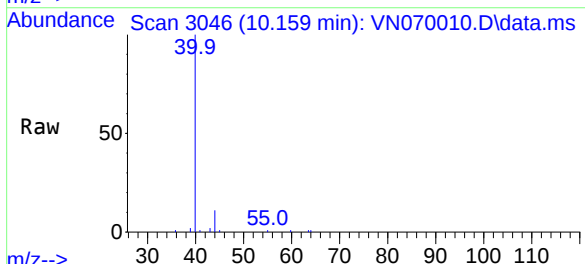


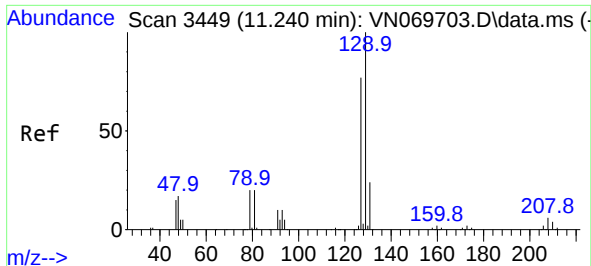
Tgt Ion: 69 Resp: 109
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 547.7 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.395 ug/l
RT: 10.159 min Scan# 3046
Delta R.T. 0.116 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

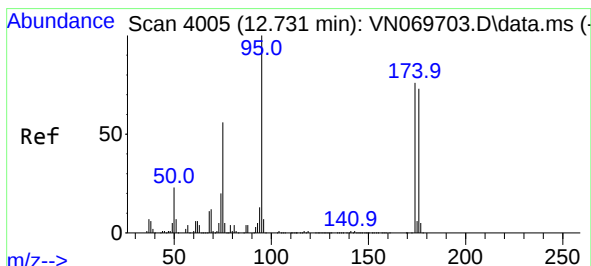
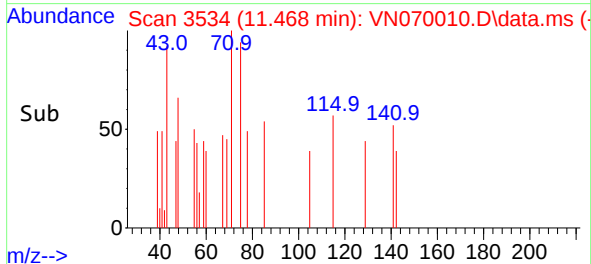
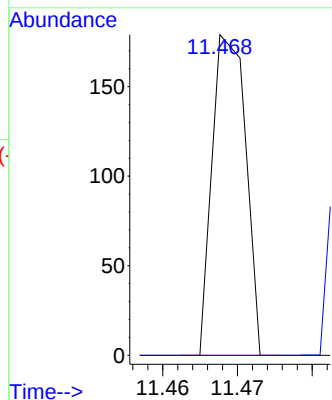
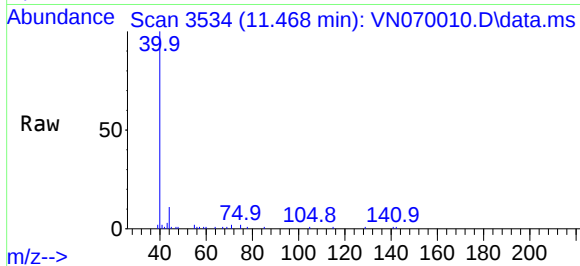




#60
Dibromochloromethane
Concen: 2.379 ug/l
RT: 11.468 min Scan# 31
Delta R.T. 0.228 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

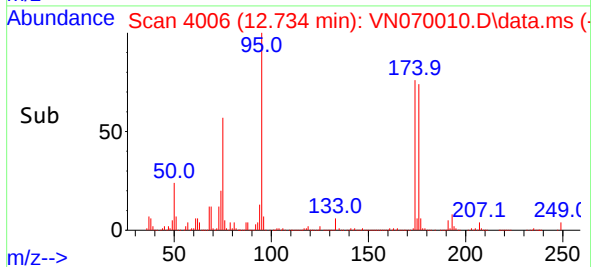
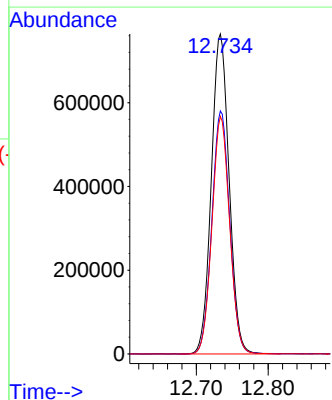
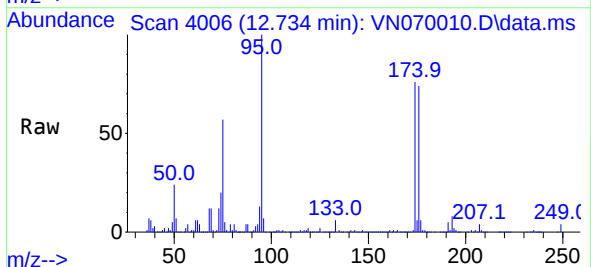
Instrument :
MSVOA_N
ClientSampleId :

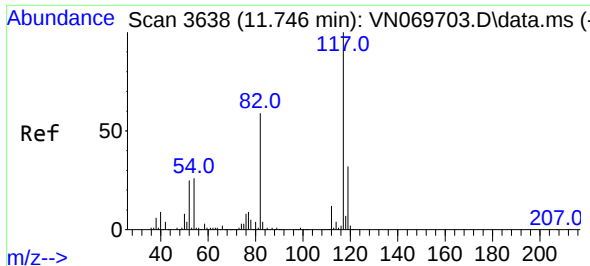
Tgt Ion:129 Resp: 56
Ion Ratio Lower Upper
129 100
127 46.4 38.6 116.0



#62
4-Bromofluorobenzene
Concen: 61.852 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

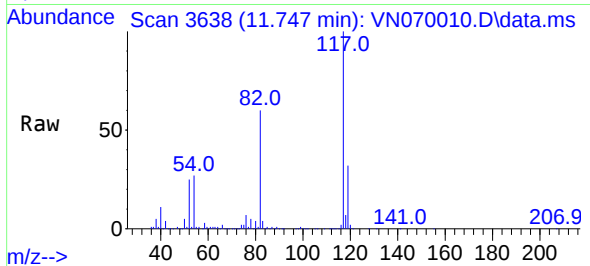
Tgt Ion: 95 Resp: 1312355
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.7 0.0 181.4



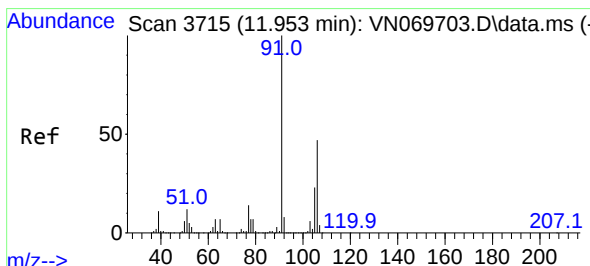
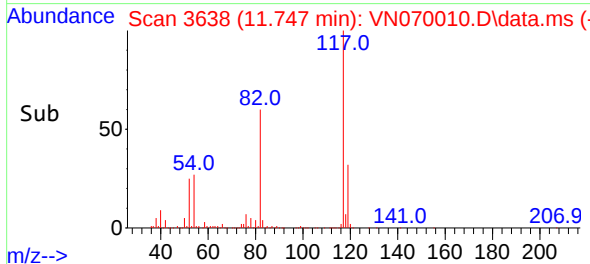
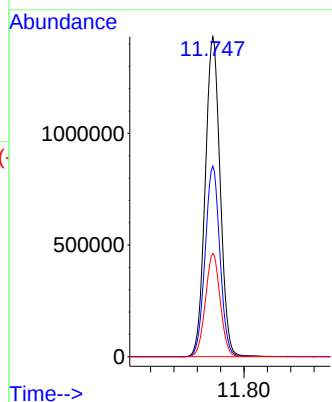


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.001 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :

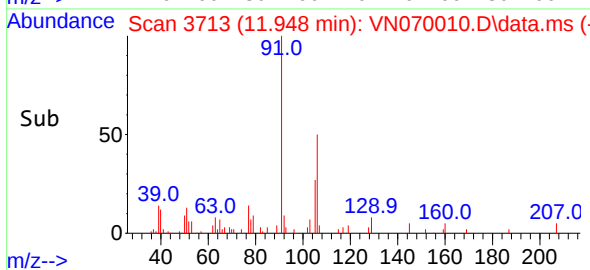
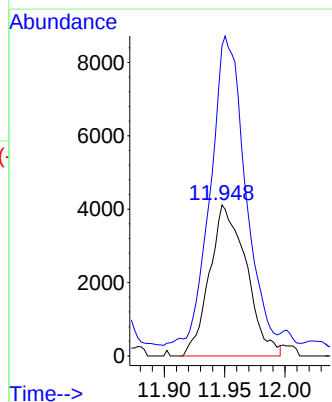
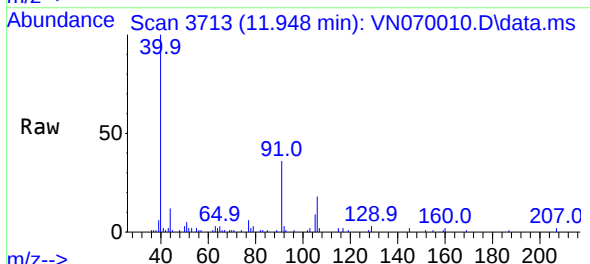


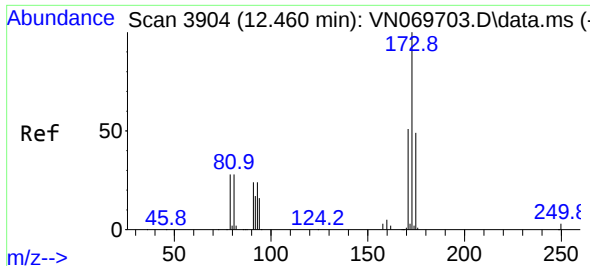
Tgt Ion:117 Resp: 2542273
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 32.2 25.4 38.2



#68
m/p-Xylenes
Concen: 0.256 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.005 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion:106 Resp: 8726
Ion Ratio Lower Upper
106 100
91 192.2 160.6 240.8

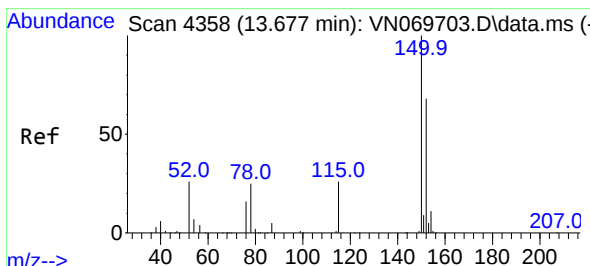
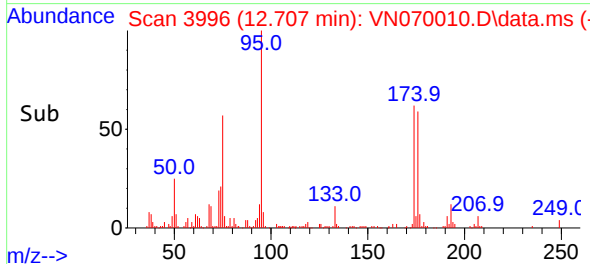
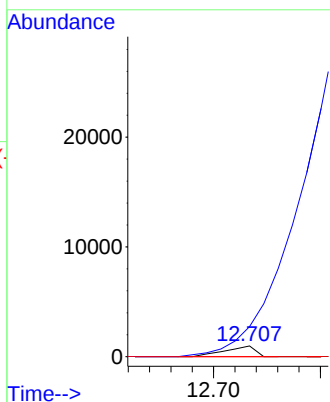
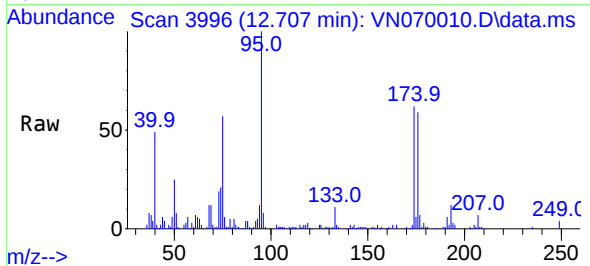




#71
Bromoform
Concen: 2.754 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

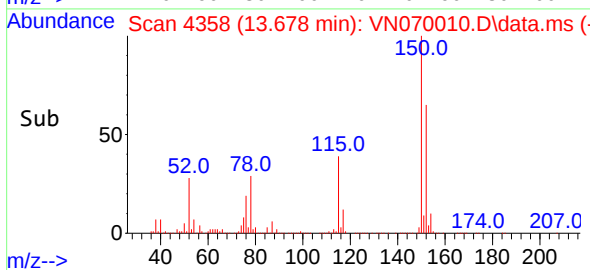
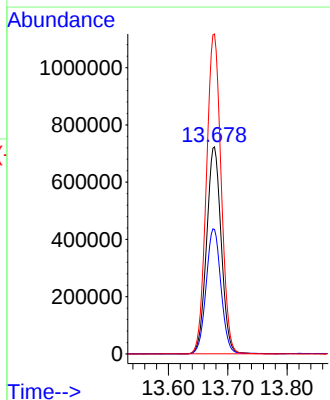
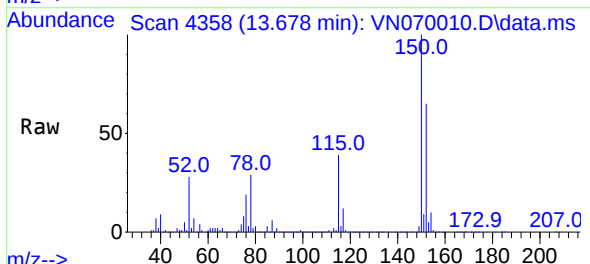
Instrument :
MSVOA_N
ClientSampleId :

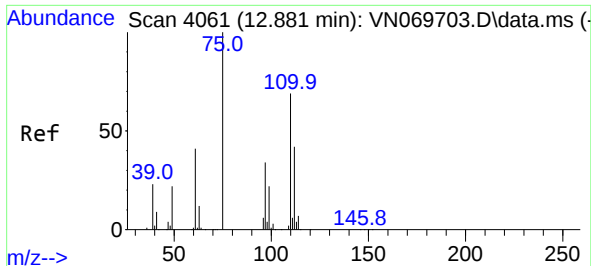
Tgt Ion:173 Resp: 381
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion:152 Resp: 1233614
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 155.6 0.0 344.4

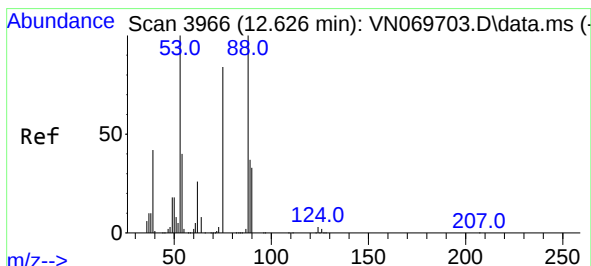
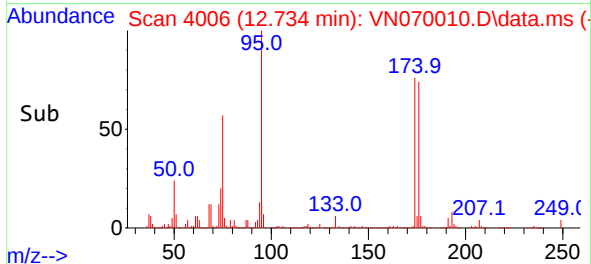
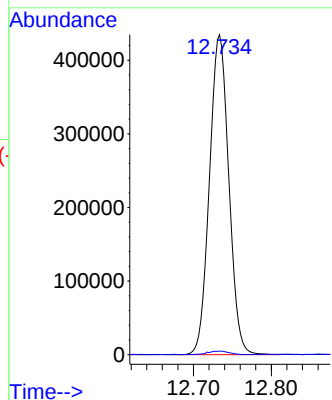
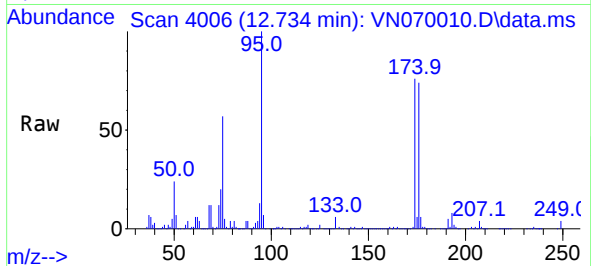




#76
1,2,3-Trichloropropane
Concen: 21.200 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

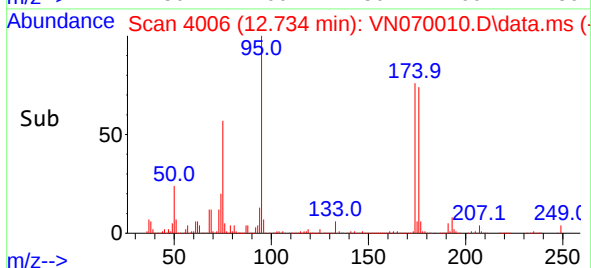
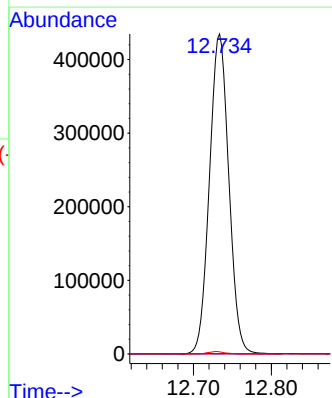
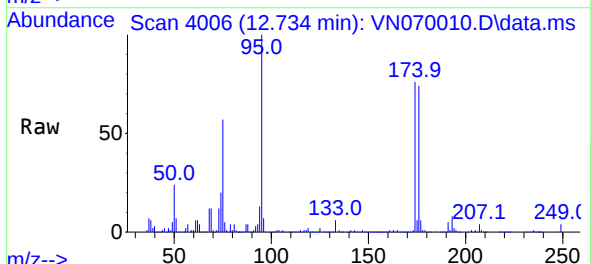
Instrument :
MSVOA_N
ClientSampleId :

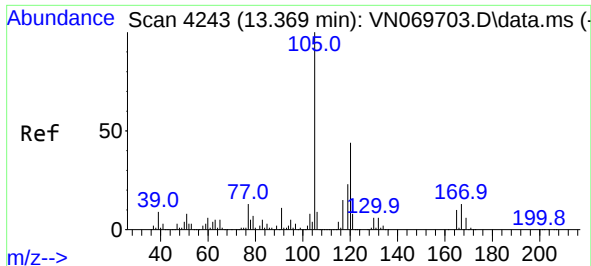
Tgt Ion: 75 Resp: 750008
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.811 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion: 75 Resp: 750008
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

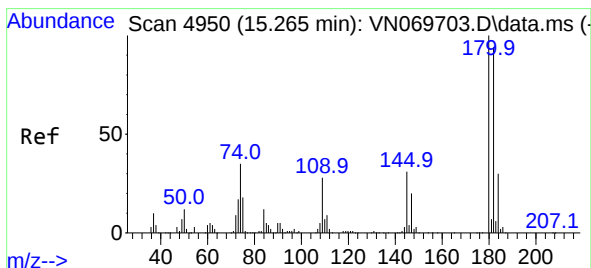
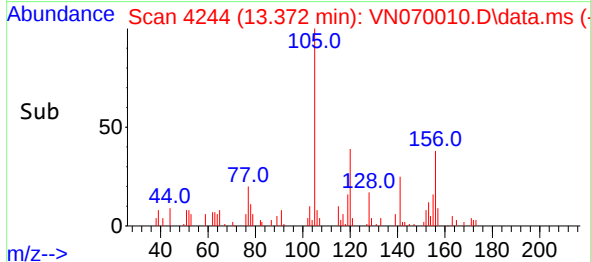
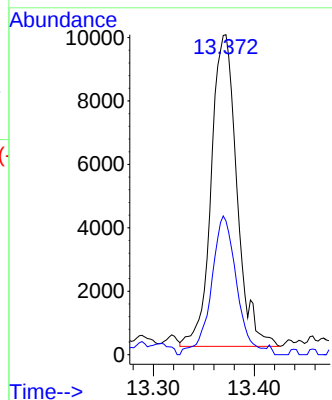
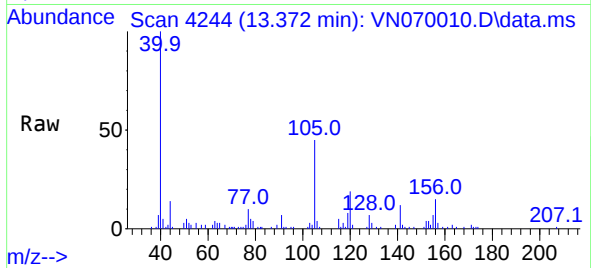




#84
1,2,4-Trimethylbenzene
Concen: 0.207 ug/l
RT: 13.372 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

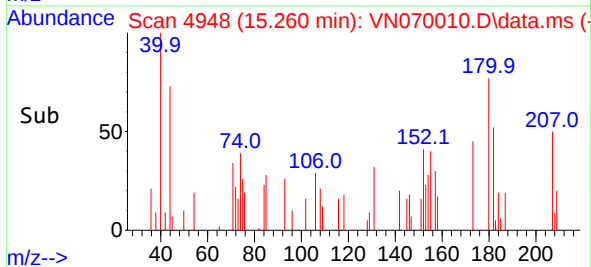
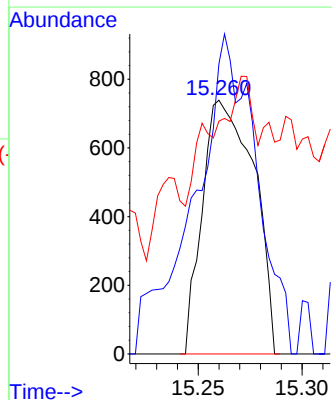
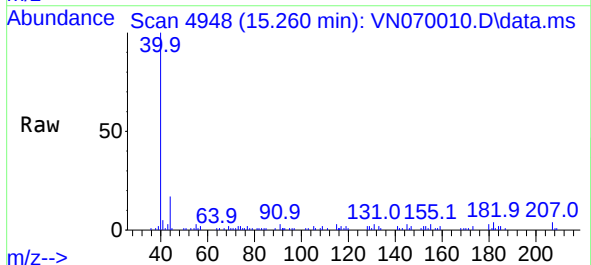
Instrument :
MSVOA_N
ClientSampleId :

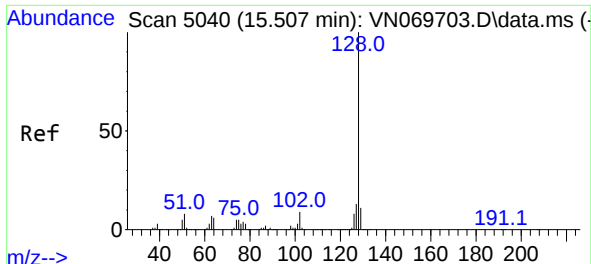
Tgt Ion:105 Resp: 17383
Ion Ratio Lower Upper
105 100
120 43.4 22.8 68.4



#93
1,2,4-Trichlorobenzene
Concen: 2.937 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion:180 Resp: 1272
Ion Ratio Lower Upper
180 100
182 151.9 48.3 144.9#
145 11.5 14.5 43.5#

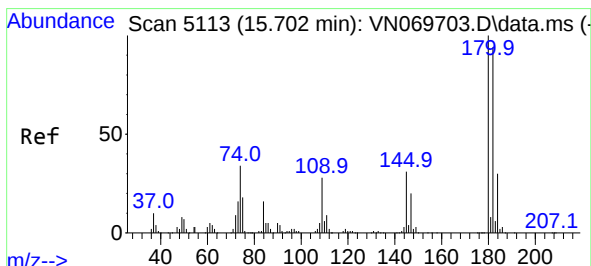
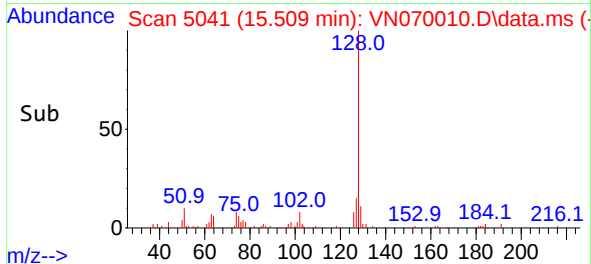
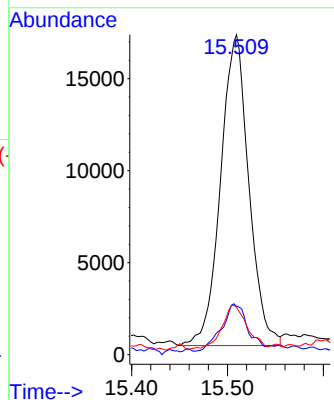
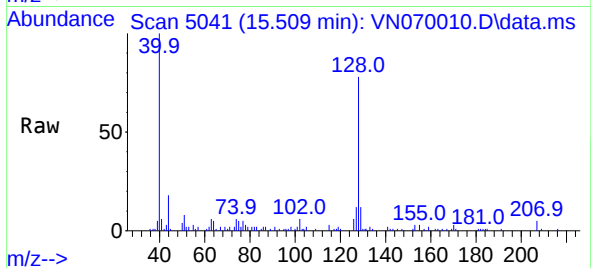




#95
Naphthalene
Concen: 4.512 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	34536
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	13.2	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.510 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070010.D
Acq: 11 Dec 2021 16:02

Tgt Ion:	180	Resp:	1551
Ion	Ratio	Lower	Upper
180	100		
182	67.5	47.4	142.2
145	11.5	15.0	45.1#

