

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070071.D
 Acq On : 14 Dec 2021 15:09
 Operator : JC/MD
 Sample : M5029-01
 Misc : 4.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 05:17:42 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)

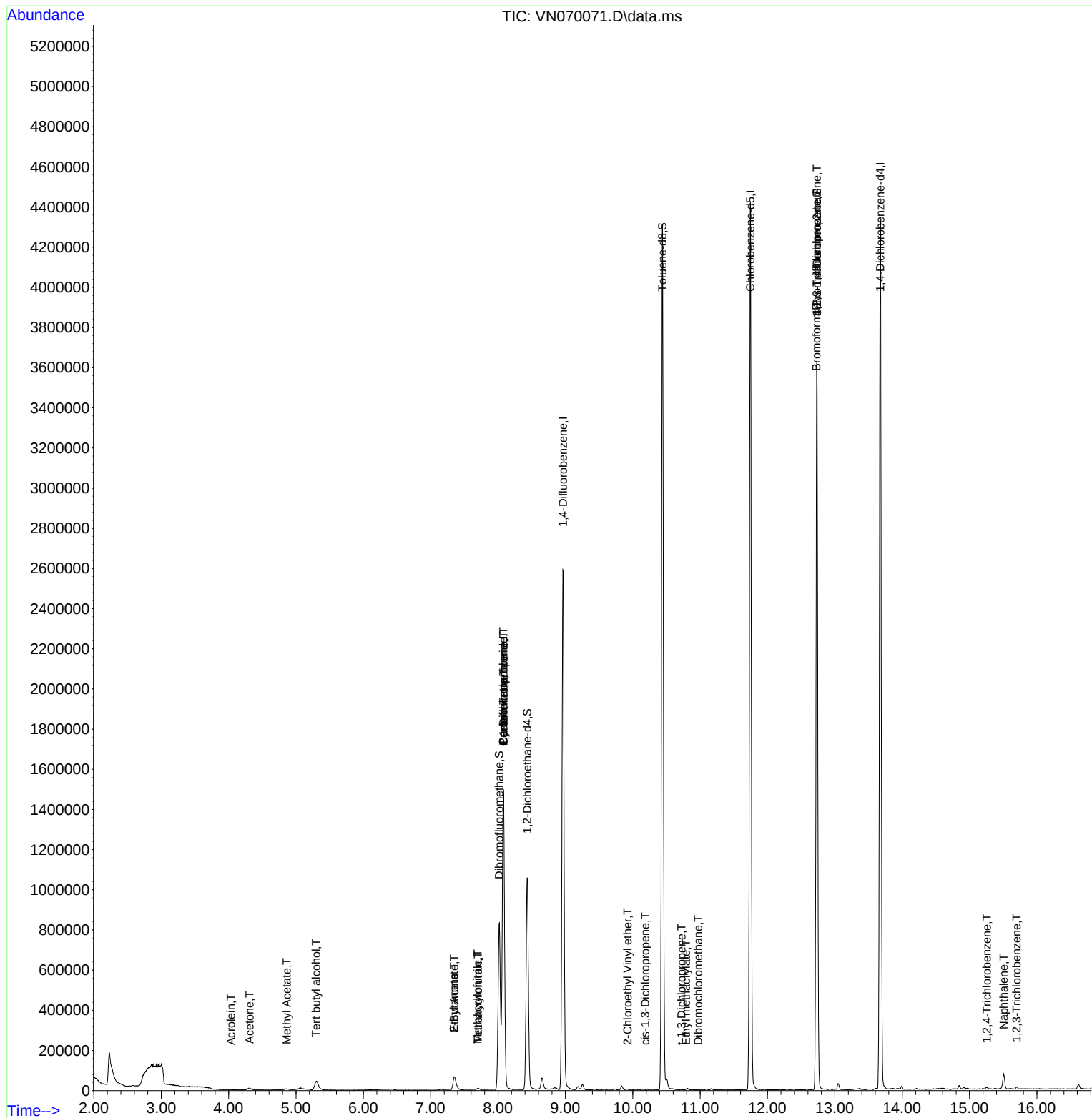
Internal Standards						
1) Pentafluorobenzene	8.080	168	1131519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2175338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2447960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1149833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	927813	53.107	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.220%	
35) Dibromofluoromethane	8.016	113	602205	44.196	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 88.400%	
50) Toluene-d8	10.440	98	2918561	53.344	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.680%	
62) 4-Bromofluorobenzene	12.733	95	1256134	63.374	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 126.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.299	59	48434	14.666	ug/l #	74
13) Acrolein	4.036	56	731	0.260	ug/l #	60
16) Acetone	4.312	43	14481	1.378	ug/l	96
18) Methyl Acetate	4.862	43	11557	0.364	ug/l #	81
25) 2-Butanone	7.348	43	142395	9.972	ug/l #	85
29) Tetrahydrofuran	7.699	42	8247	0.951	ug/l	92
31) Cyclohexane	8.080	56	29268	1.204	ug/l #	31
36) 1,1-Dichloropropene	8.078	75	96273	4.649	ug/l #	49
37) Ethyl Acetate	7.348	43	142395	4.620	ug/l #	68
38) Carbon Tetrachloride	8.080	117	117636	5.793	ug/l #	16
41) Methacrylonitrile	7.697	41	3169	0.219	ug/l #	21
53) t-1,3-Dichloropropene	10.722	75	85	2.797	ug/l #	61
54) cis-1,3-Dichloropropene	10.186	75	62	2.001	ug/l #	32
56) Ethyl methacrylate	10.789	69	211	2.286	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.923	63	26	18.392	ug/l #	45
60) Dibromochloromethane	10.971	129	187	2.387	ug/l #	11
71) Bromoform	12.728	173	4743	3.031	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	693196	21.022	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	693196	67.276	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	1466	2.951	ug/l	92
95) Naphthalene	15.507	128	70255	5.136	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	1609	2.519	ug/l	98

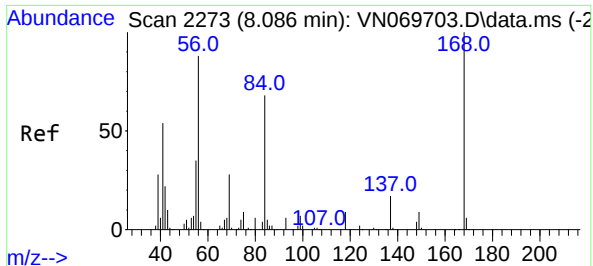
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN070071.D
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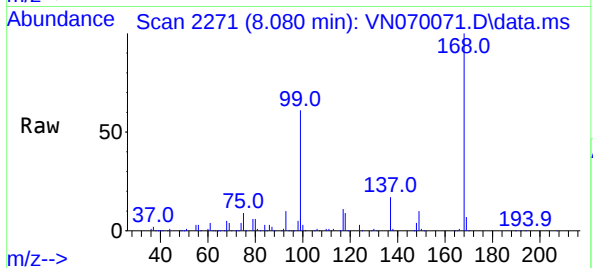
Quant Time: Dec 15 05:17:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
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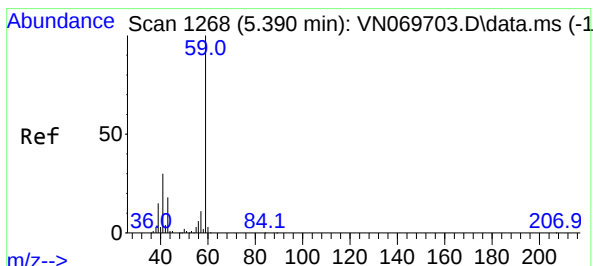
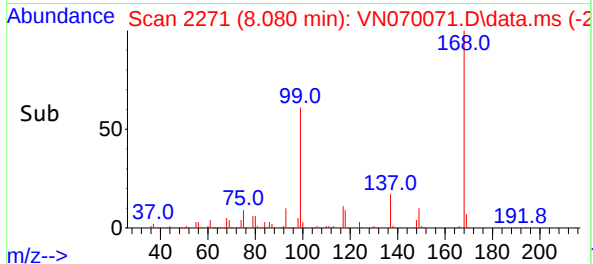
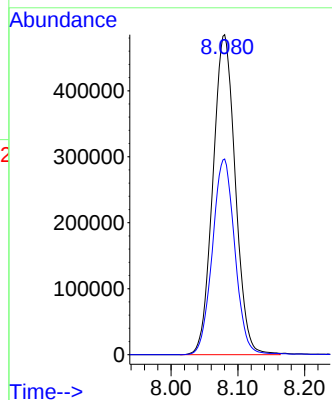


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Instrument :
MSVOA_N
ClientSampleId :

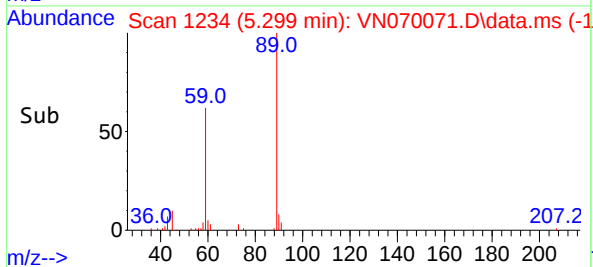
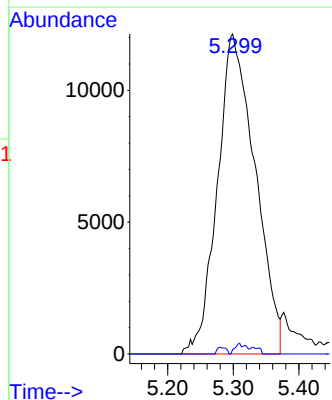
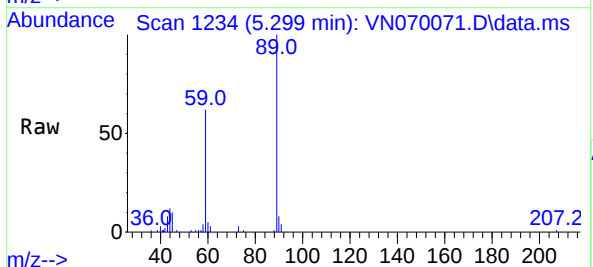


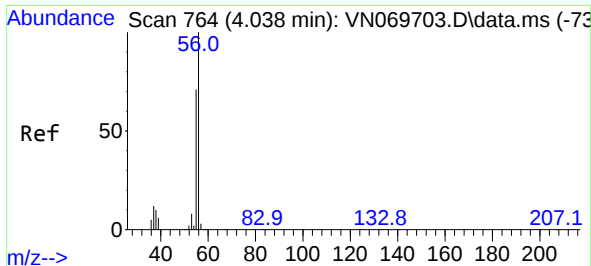
Tgt Ion:168 Resp: 1131519
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 14.666 ug/l
RT: 5.299 min Scan# 1234
Delta R.T. -0.091 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Tgt Ion: 59 Resp: 48434
Ion Ratio Lower Upper
59 100
57 0.9 8.7 13.1#

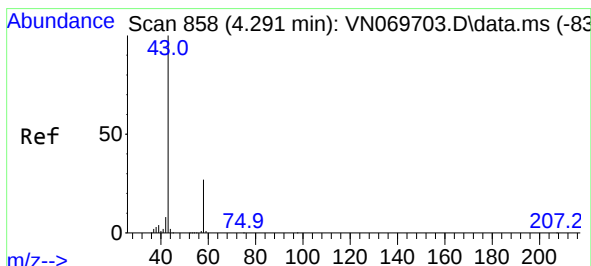
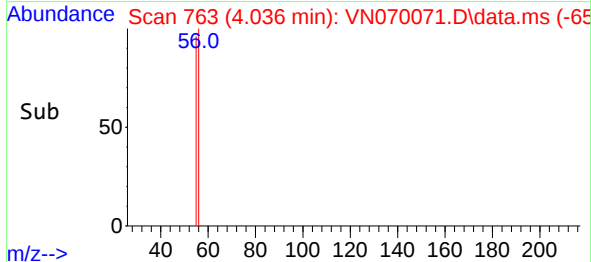
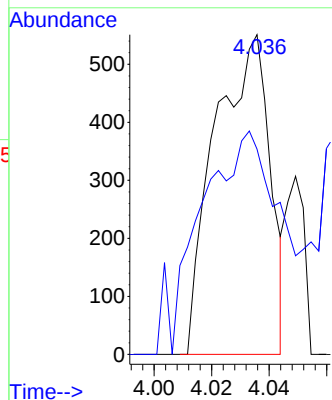
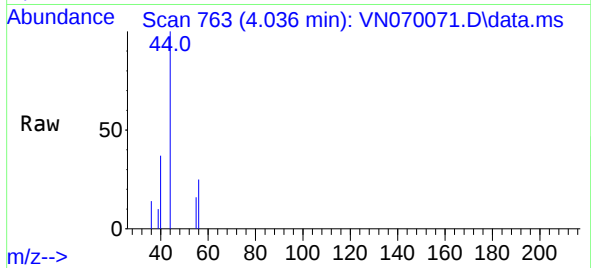




#13
Acrolein
Concen: 0.260 ug/l
RT: 4.036 min Scan# 70
Delta R.T. -0.003 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

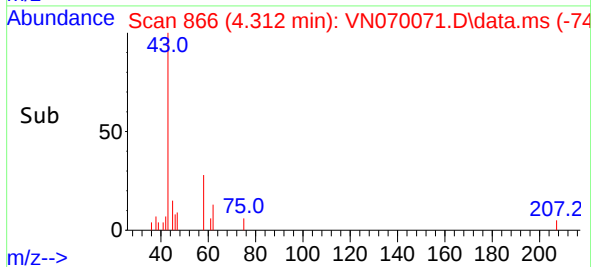
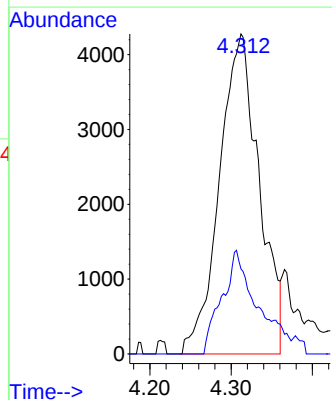
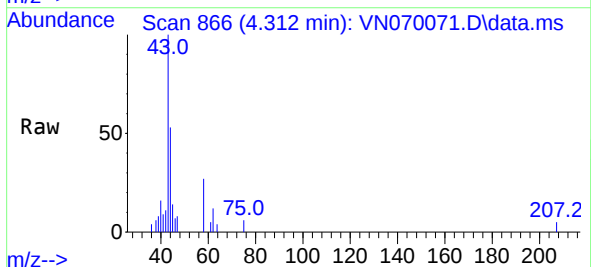
Instrument :
MSVOA_N
ClientSampleId :

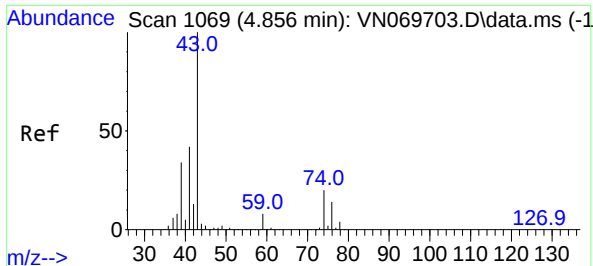
Tgt Ion: 56 Resp: 731
Ion Ratio Lower Upper
56 100
55 103.7 56.6 85.0#



#16
Acetone
Concen: 1.378 ug/l
RT: 4.312 min Scan# 866
Delta R.T. 0.021 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Tgt Ion: 43 Resp: 14481
Ion Ratio Lower Upper
43 100
58 26.5 23.1 34.7





#18

Methyl Acetate

Concen: 0.364 ug/l

RT: 4.862 min Scan# 1069

Delta R.T. 0.005 min

Lab File: VN070071.D

Acq: 14 Dec 2021 15:09

Instrument :

MSVOA_N

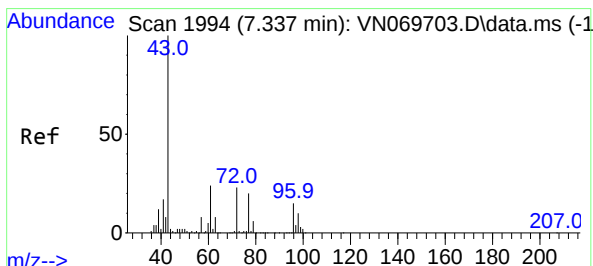
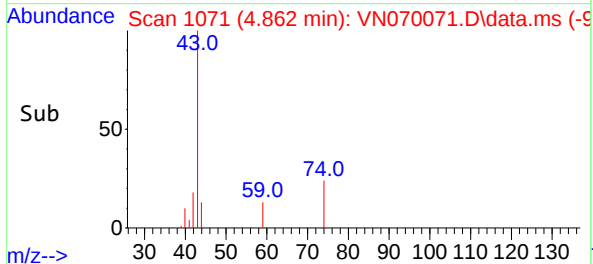
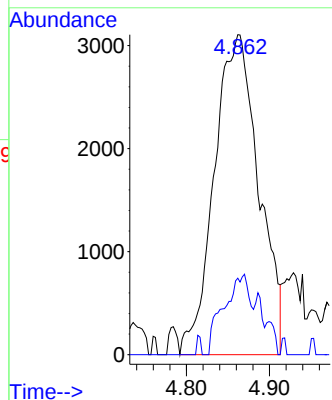
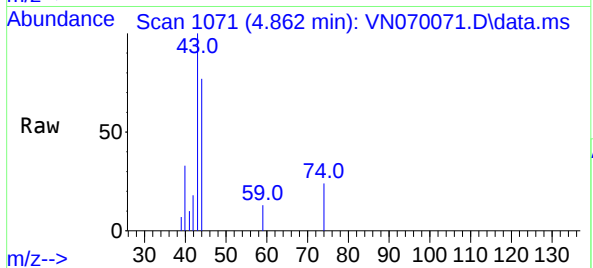
ClientSampleId :

Tgt Ion: 43 Resp: 11557

Ion Ratio Lower Upper

43 100

74 14.9 19.4 29.2#



#25

2-Butanone

Concen: 9.972 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.011 min

Lab File: VN070071.D

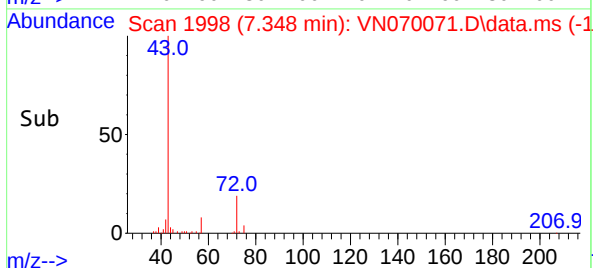
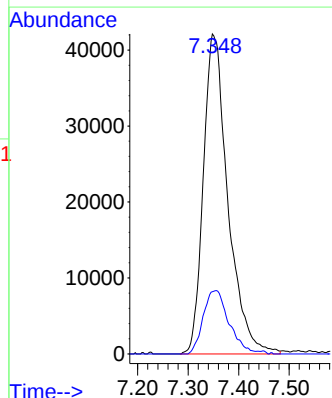
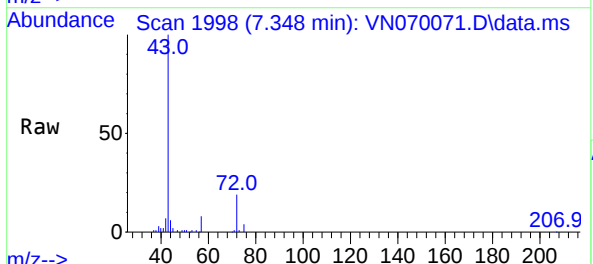
Acq: 14 Dec 2021 15:09

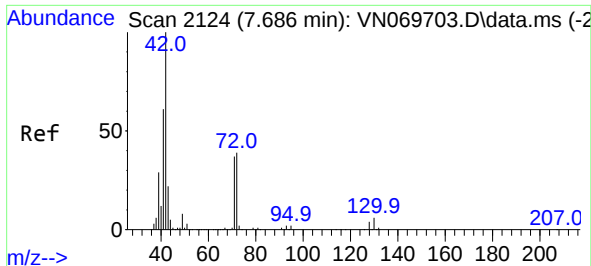
Tgt Ion: 43 Resp: 142395

Ion Ratio Lower Upper

43 100

72 19.5 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.951 ug/l

RT: 7.699 min Scan# 2124

Delta R.T. 0.013 min

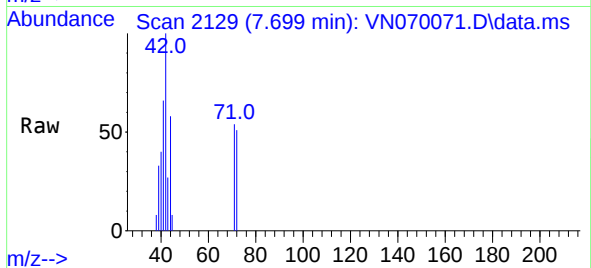
Lab File: VN070071.D

Acq: 14 Dec 2021 15:09

Instrument :

MSVOA_N

ClientSampleId :



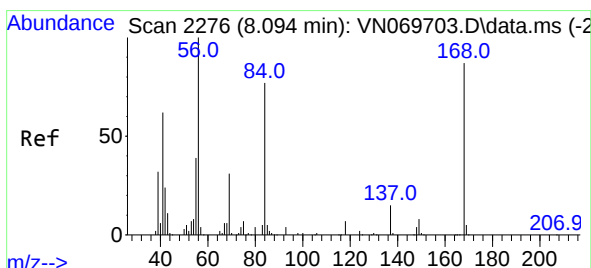
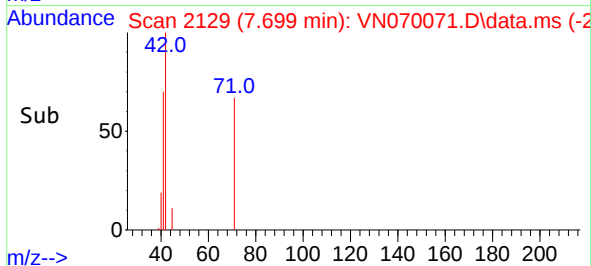
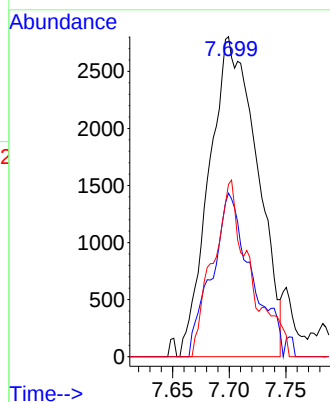
Tgt Ion: 42 Resp: 8247

Ion Ratio Lower Upper

42 100

72 42.1 36.3 54.5

71 36.6 34.7 52.1



#31

Cyclohexane

Concen: 1.204 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.013 min

Lab File: VN070071.D

Acq: 14 Dec 2021 15:09

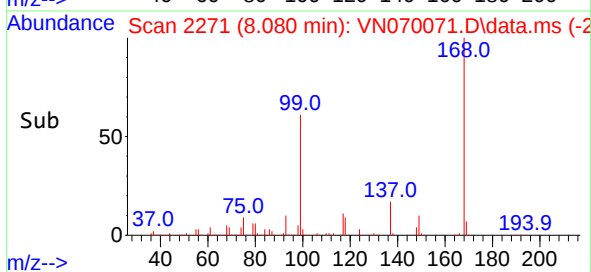
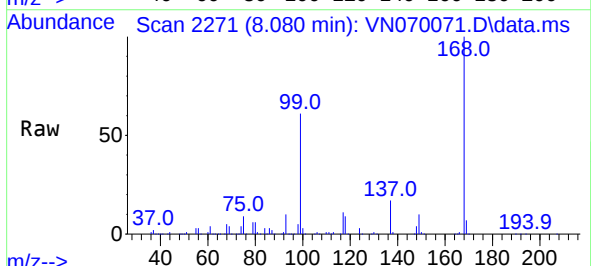
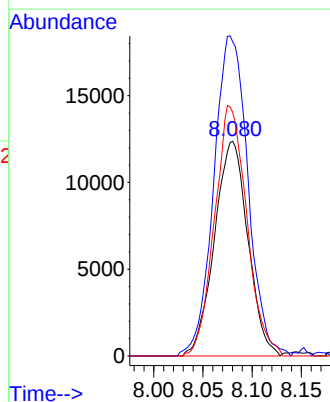
Tgt Ion: 56 Resp: 29268

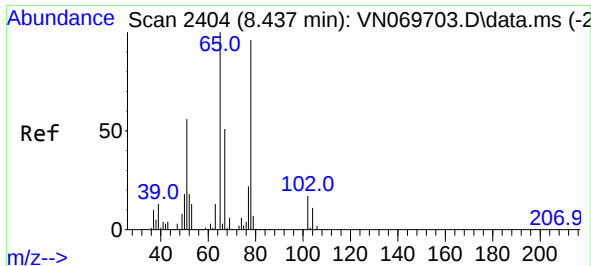
Ion Ratio Lower Upper

56 100

69 144.7 27.1 40.7#

84 113.5 73.4 110.0#

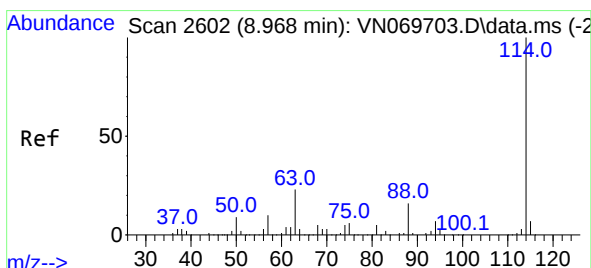
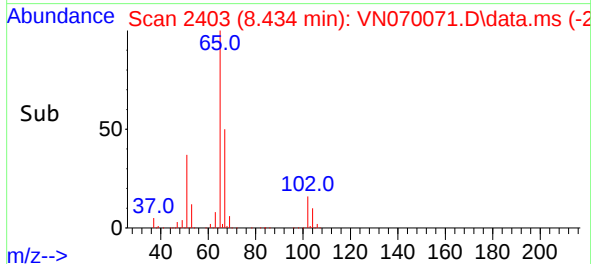
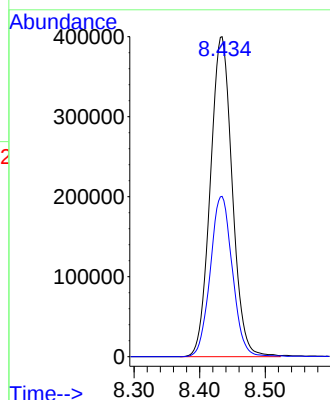
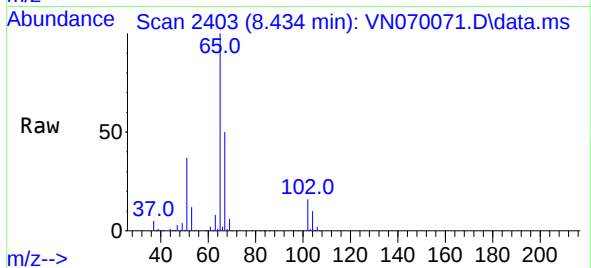




#33
1,2-Dichloroethane-d4
Concen: 53.107 ug/l
RT: 8.434 min Scan# 24
Delta R.T. -0.003 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

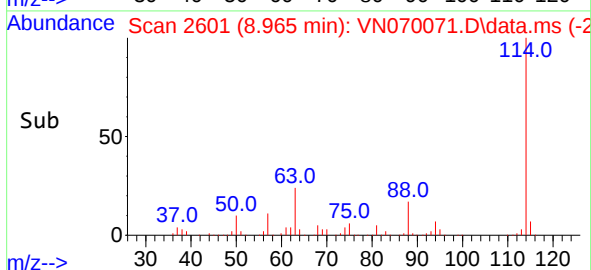
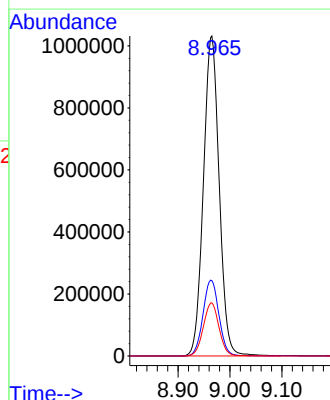
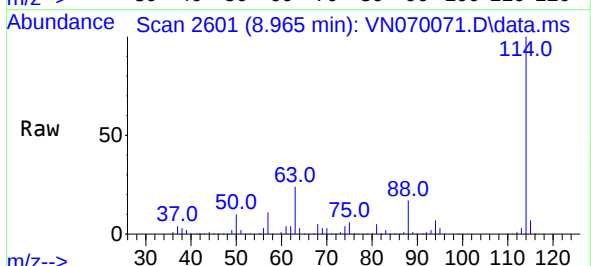
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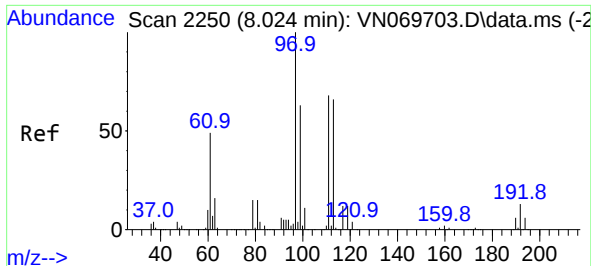
Tgt Ion: 65 Resp: 927813
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

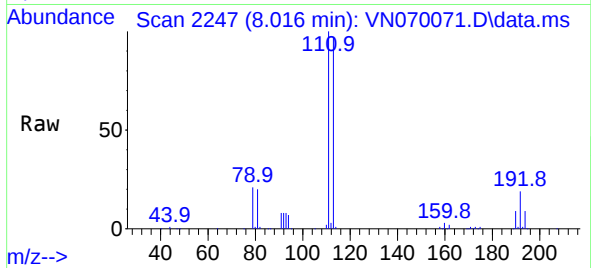
Tgt Ion: 114 Resp: 2175338
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.6 0.0 27.4



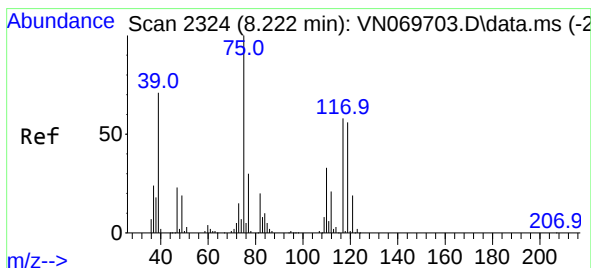
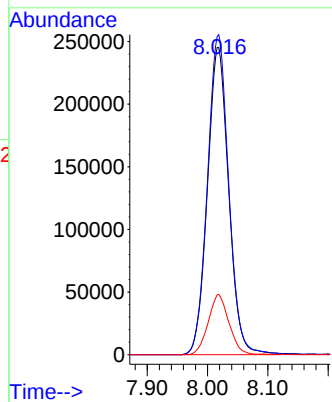
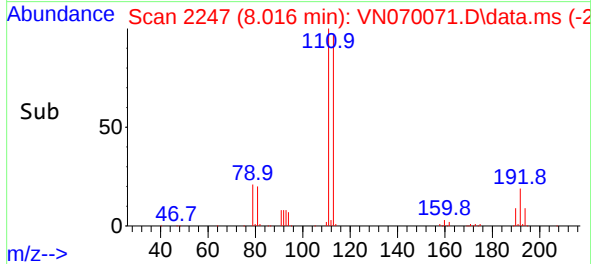


#35
Dibromofluoromethane
Concen: 44.196 ug/l
RT: 8.016 min Scan# 211
Delta R.T. -0.008 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

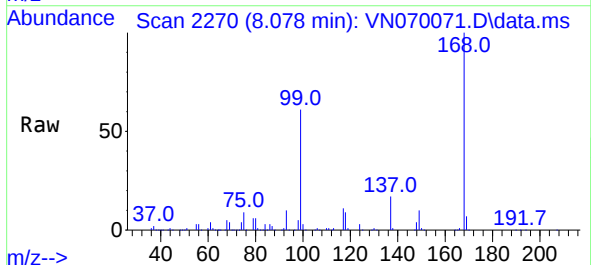
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MSVOA_N
ClientSampleId :



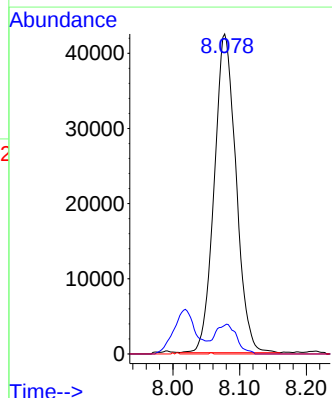
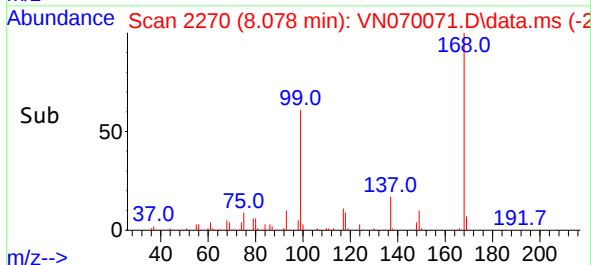
Tgt Ion:113 Resp: 602205
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 19.0 16.9 25.3

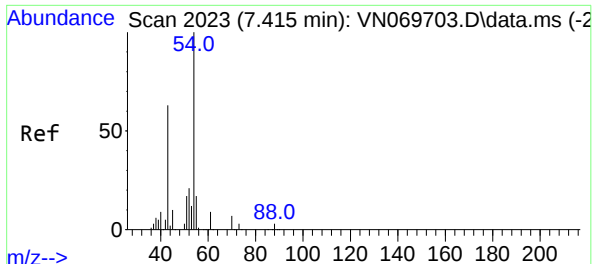


#36
1,1-Dichloropropene
Concen: 4.649 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.145 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09



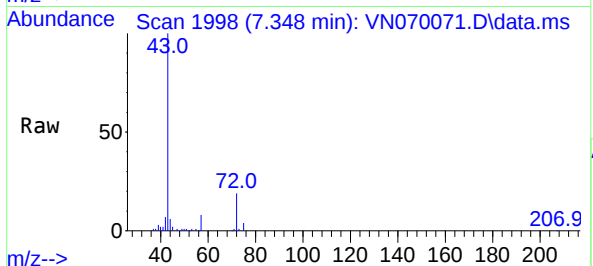
Tgt Ion: 75 Resp: 96273
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



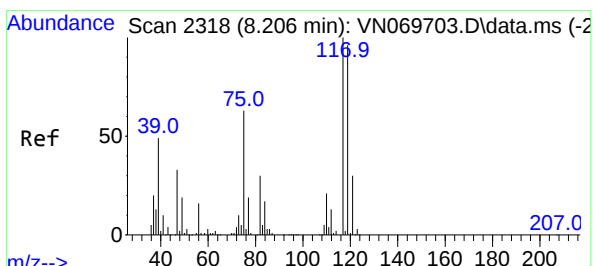
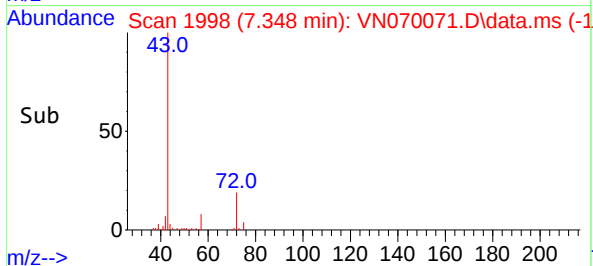
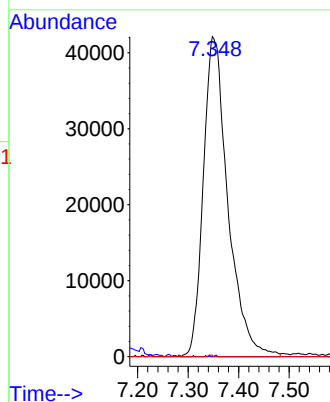


#37
Ethyl Acetate
Concen: 4.620 ug/l
RT: 7.348 min Scan# 14
Delta R.T. -0.067 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Instrument :
MSVOA_N
ClientSampleId :

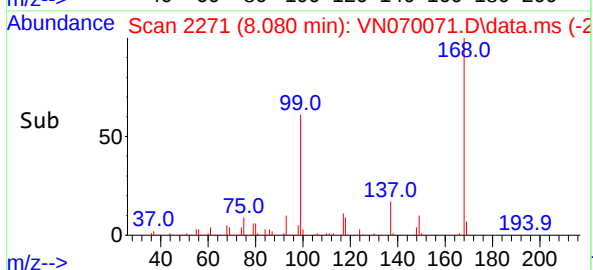
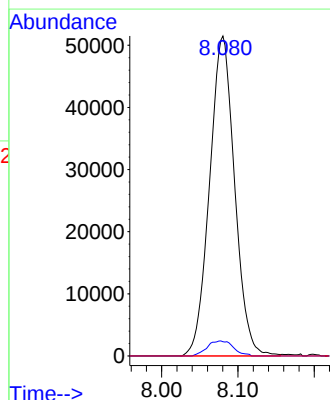
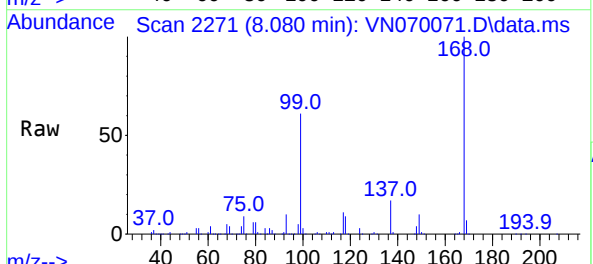


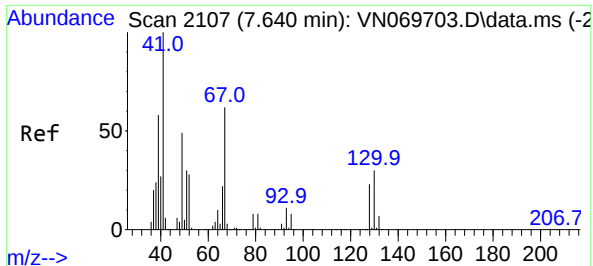
Tgt Ion: 43 Resp: 142395
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.1 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.793 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

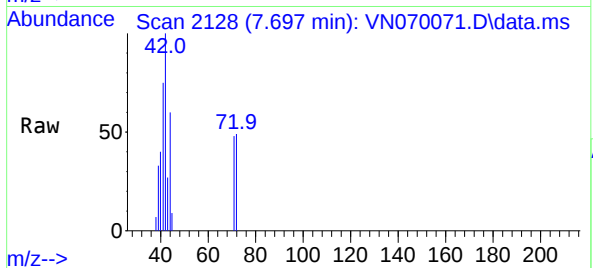
Tgt Ion: 117 Resp: 117636
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#



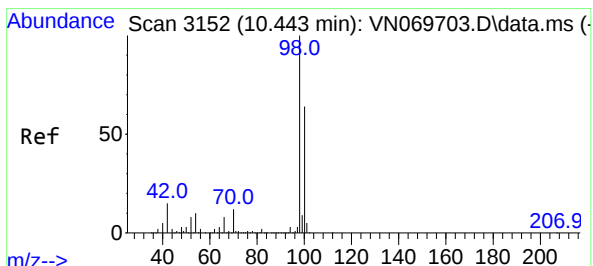
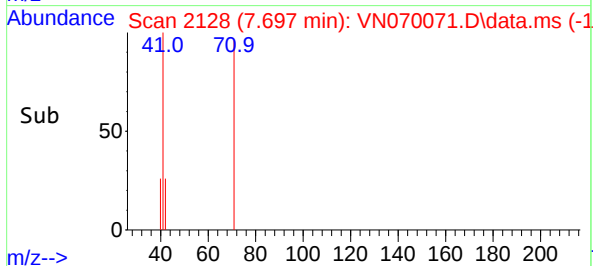
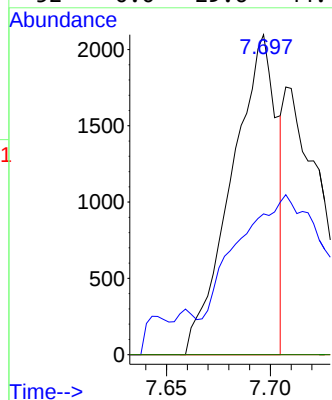


#41
Methacrylonitrile
Concen: 0.219 ug/l
RT: 7.697 min Scan# 2107
Delta R.T. 0.057 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Instrument :
MSVOA_N
ClientSampleId :

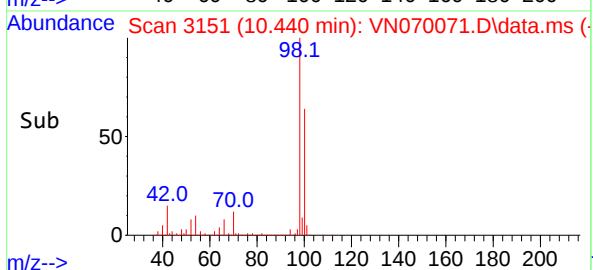
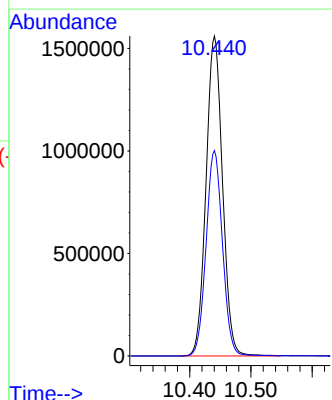
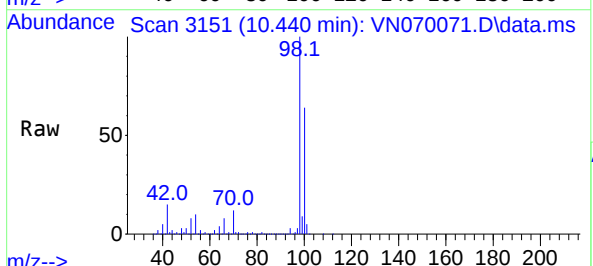


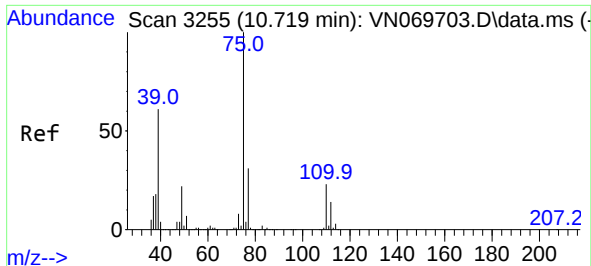
Tgt Ion: 41 Resp: 3169
Ion Ratio Lower Upper
41 100
39 113.1 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



#50
Toluene-d8
Concen: 53.344 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Tgt Ion: 98 Resp: 2918561
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6

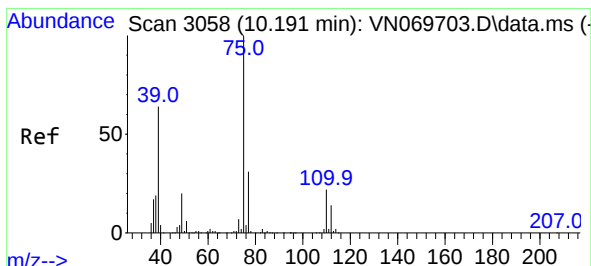
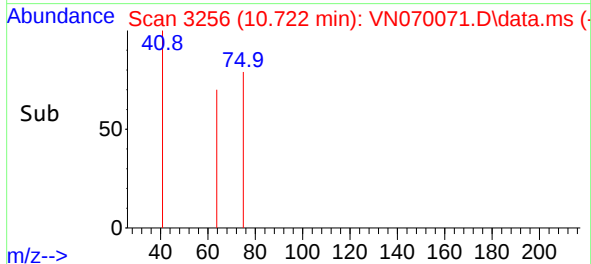
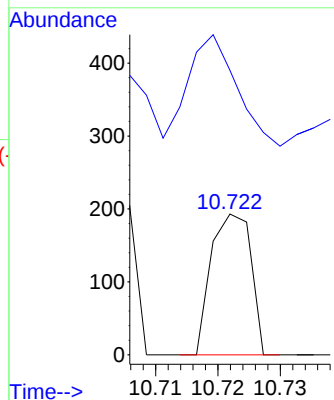
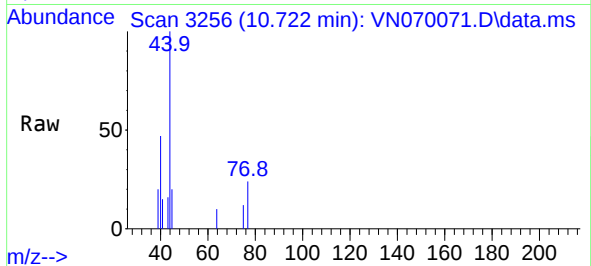




#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

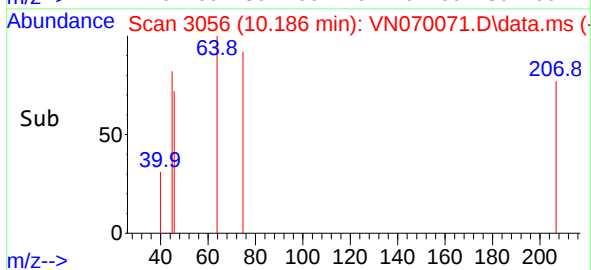
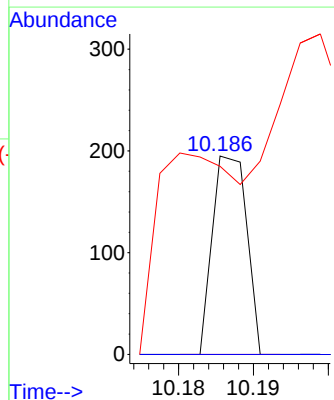
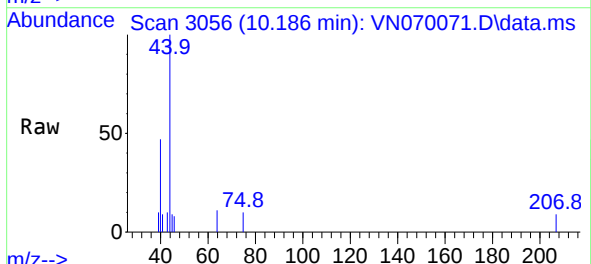
Instrument :
MSVOA_N
ClientSampleId :

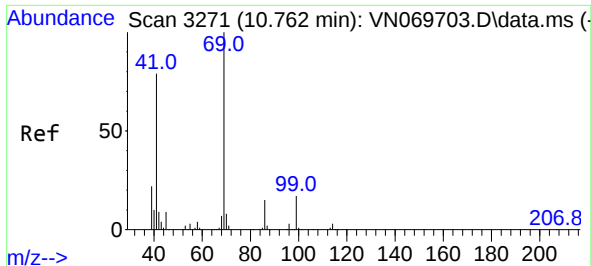
Tgt Ion: 75 Resp: 85
Ion Ratio Lower Upper
75 100
77 53.9 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.001 ug/l
RT: 10.186 min Scan# 3056
Delta R.T. -0.005 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

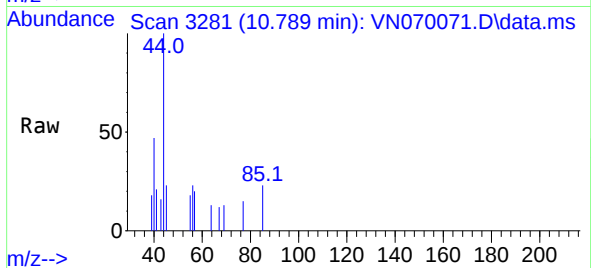
Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



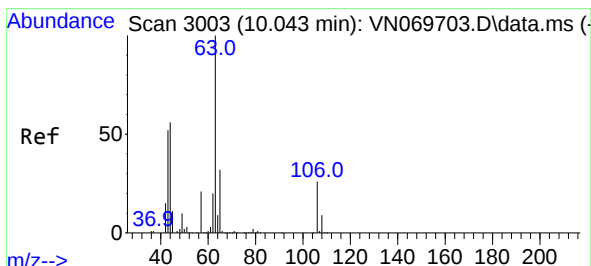
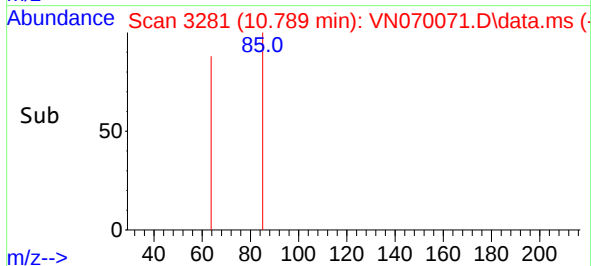
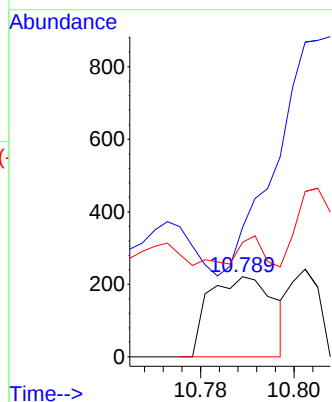


#56
Ethyl methacrylate
Concen: 2.286 ug/l
RT: 10.789 min Scan# 31
Delta R.T. 0.027 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Instrument :
MSVOA_N
ClientSampleId :

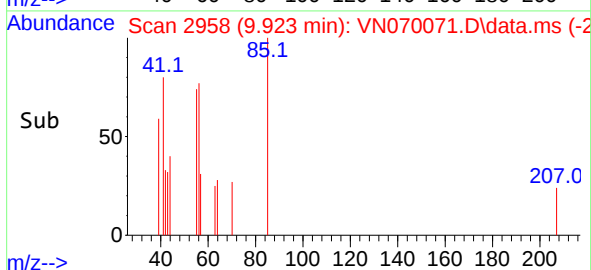
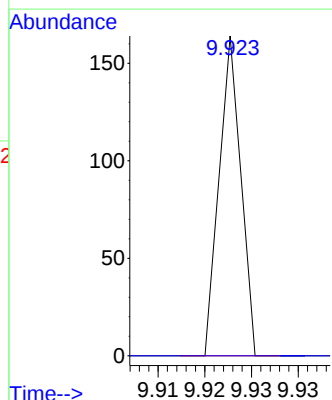
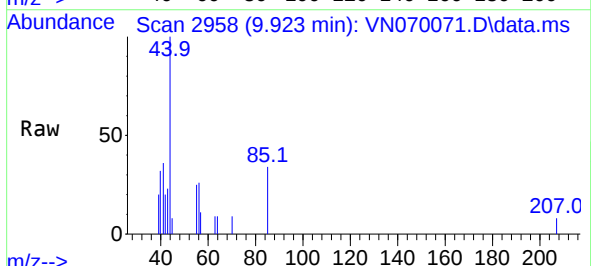


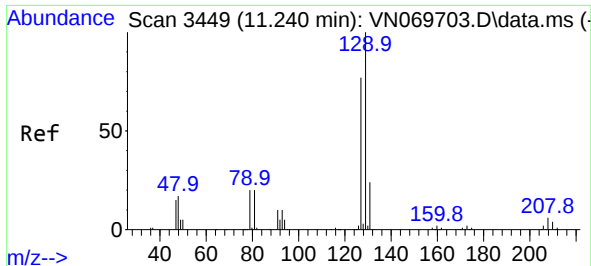
Tgt Ion: 69 Resp: 211
Ion Ratio Lower Upper
69 100
41 201.9 51.4 77.0#
39 201.9 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 9.923 min Scan# 2958
Delta R.T. -0.120 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

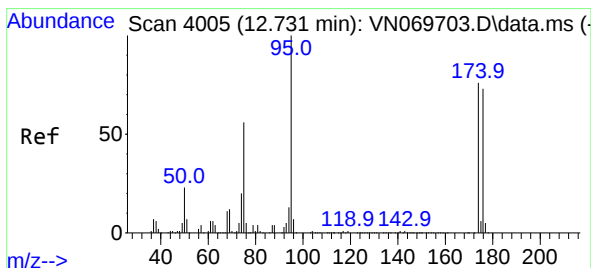
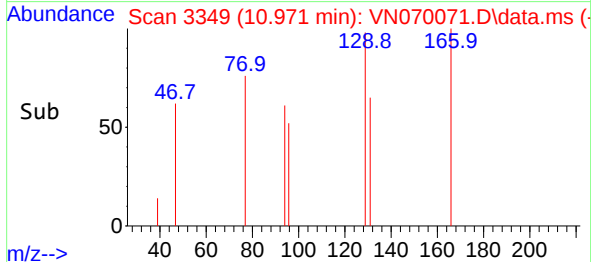
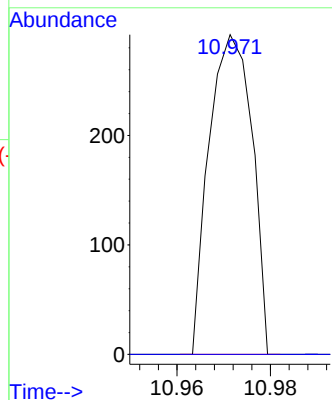
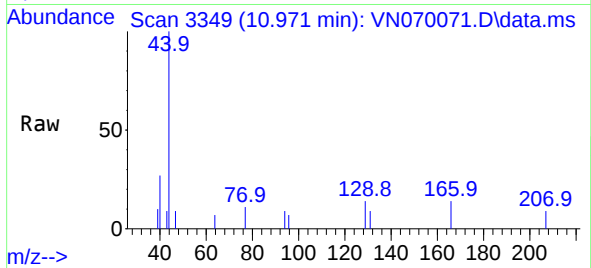




#60
Dibromochloromethane
Concen: 2.387 ug/l
RT: 10.971 min Scan# 31
Delta R.T. -0.269 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

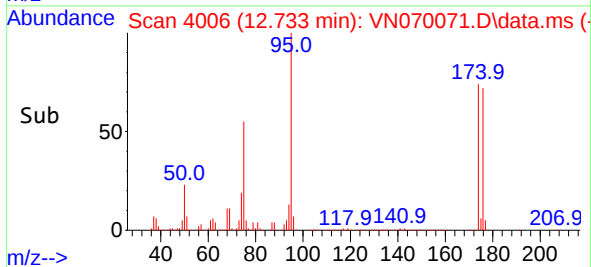
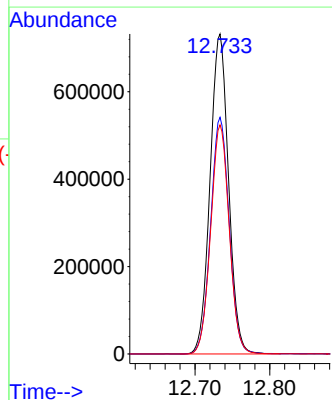
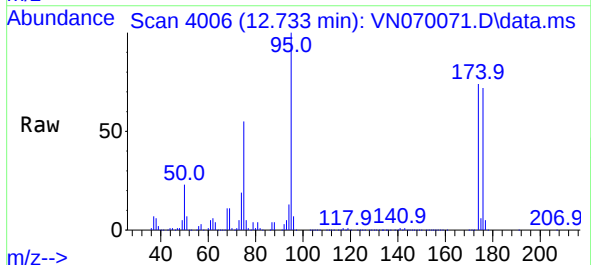
Instrument :
MSVOA_N
ClientSampleId :

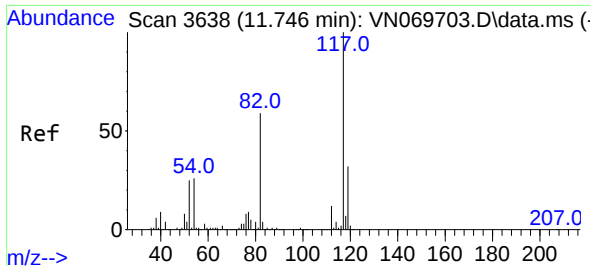
Tgt Ion:129 Resp: 187
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 63.374 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

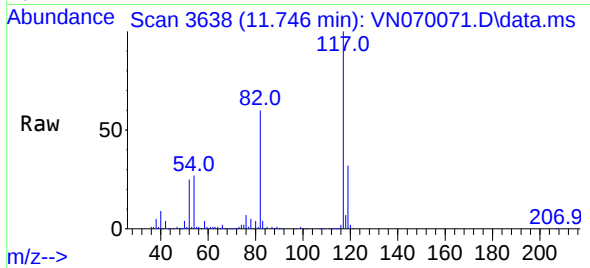
Tgt Ion: 95 Resp: 1256134
Ion Ratio Lower Upper
95 100
174 74.4 0.0 187.2
176 71.8 0.0 181.4



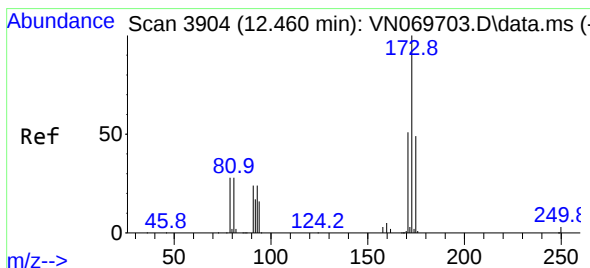
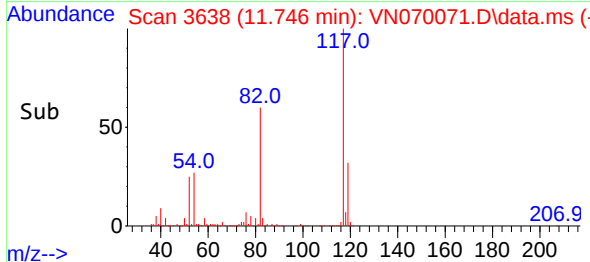
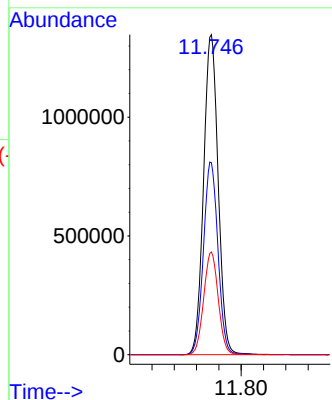


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Instrument :
MSVOA_N
ClientSampleId :

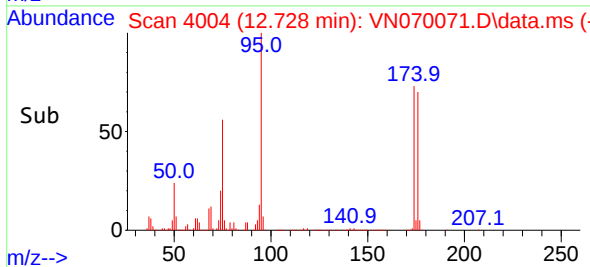
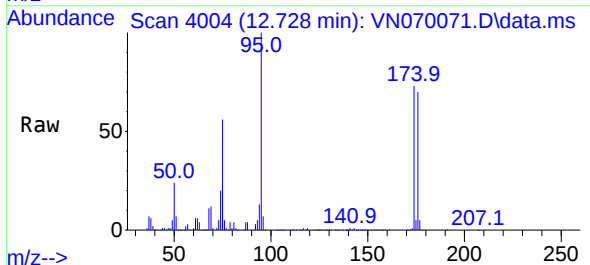
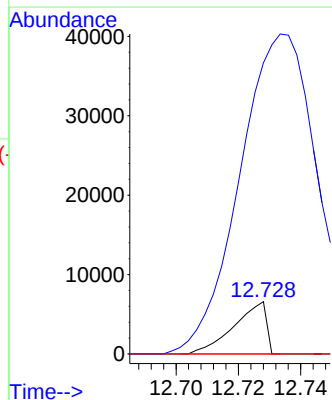


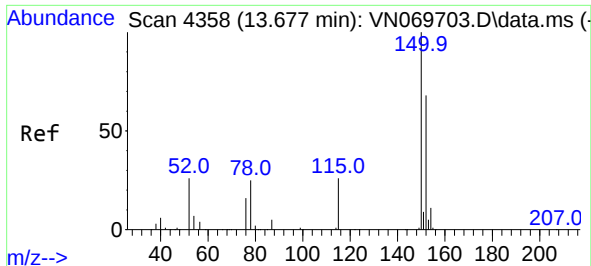
Tgt Ion:117 Resp: 2447960
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.1 25.4 38.2



#71
Bromoform
Concen: 3.031 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

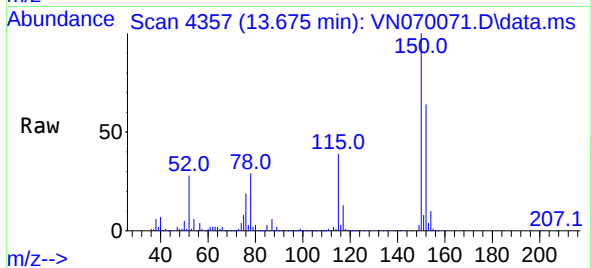
Tgt Ion:173 Resp: 4743
Ion Ratio Lower Upper
173 100
175 1399.2 24.2 72.6#
254 0.0 0.0 0.0



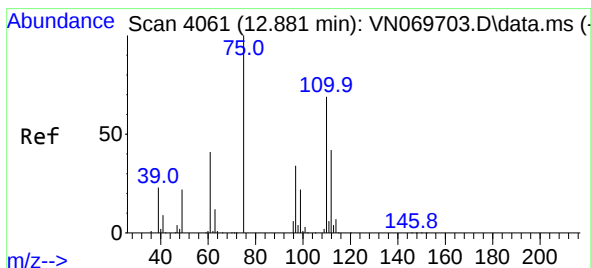
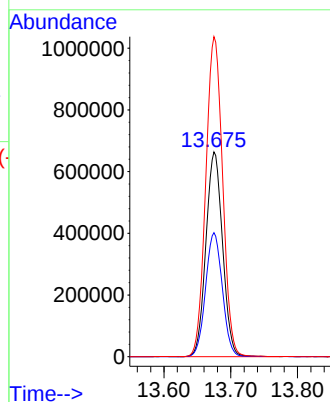
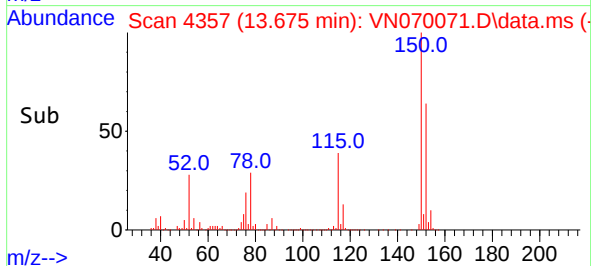


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

Instrument :
MSVOA_N
ClientSampleId :

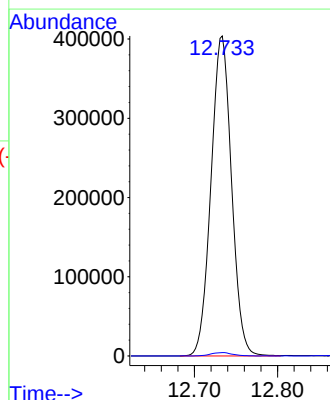
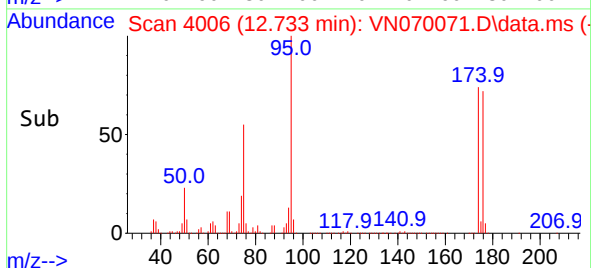
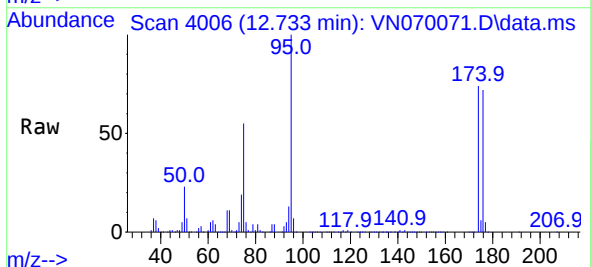


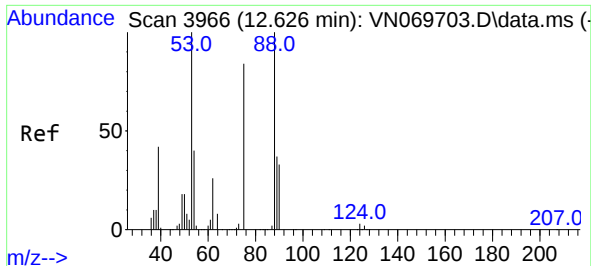
Tgt Ion:152 Resp: 1149833
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 158.2 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 21.022 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

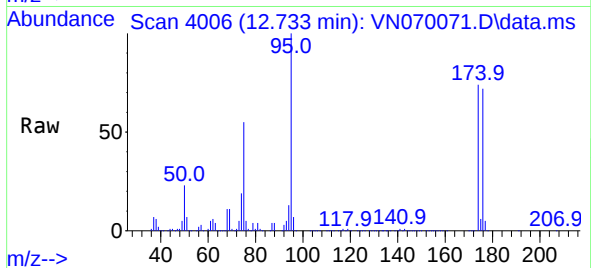
Tgt Ion: 75 Resp: 693196
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



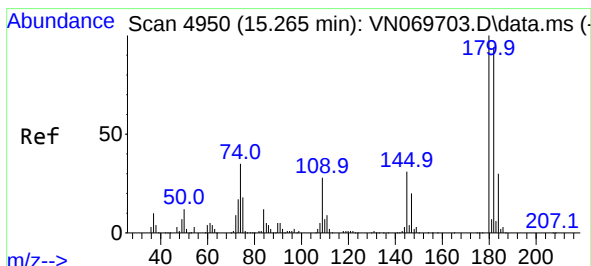
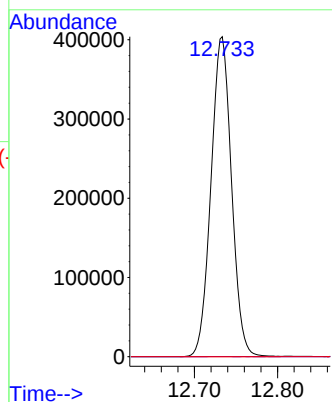
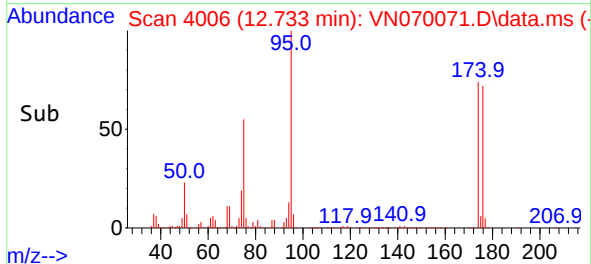


#81
trans-1,4-Dichloro-2-butene
Concen: 67.276 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

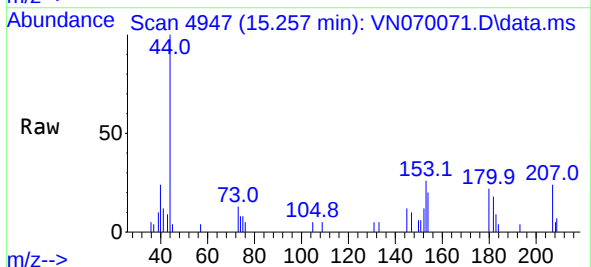
Instrument :
MSVOA_N
ClientSampleId :



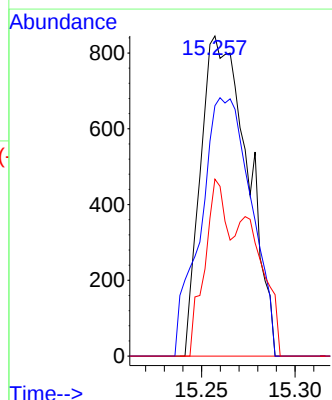
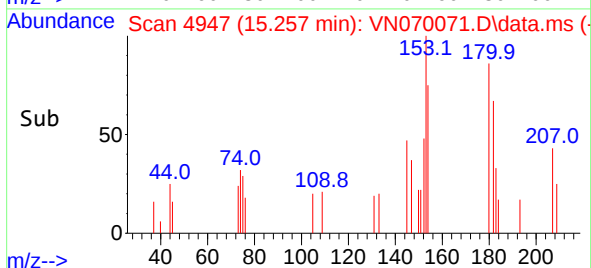
Tgt Ion: 75 Resp: 693196
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

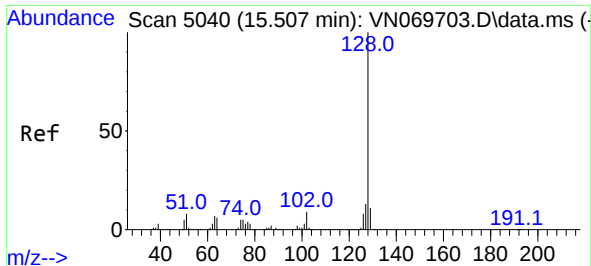


#93
1,2,4-Trichlorobenzene
Concen: 2.951 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09



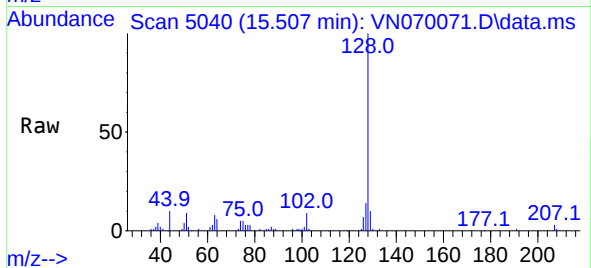
Tgt Ion: 180 Resp: 1466
Ion Ratio Lower Upper
180 100
182 87.7 48.3 144.9
145 27.3 14.5 43.5



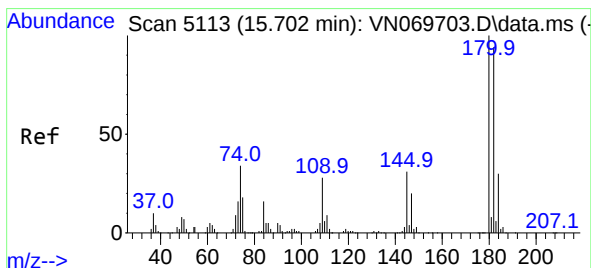
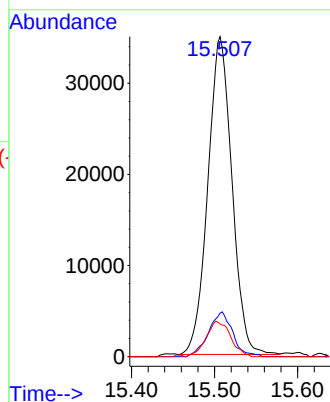
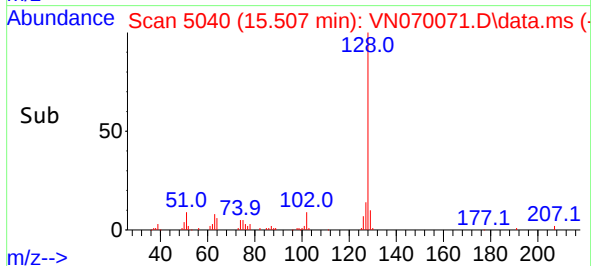


#95
Naphthalene
Concen: 5.136 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09

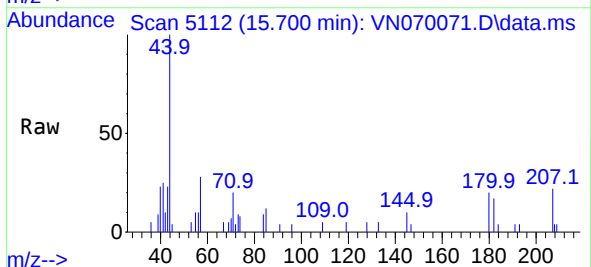
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 70255
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.519 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070071.D
Acq: 14 Dec 2021 15:09



Tgt Ion:180 Resp: 1609
Ion Ratio Lower Upper
180 100
182 96.5 47.4 142.2
145 29.7 15.0 45.1

