

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070068.D
 Acq On : 14 Dec 2021 13:53
 Operator : JC/MD
 Sample : M4967-13ME
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 17:12:08 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)

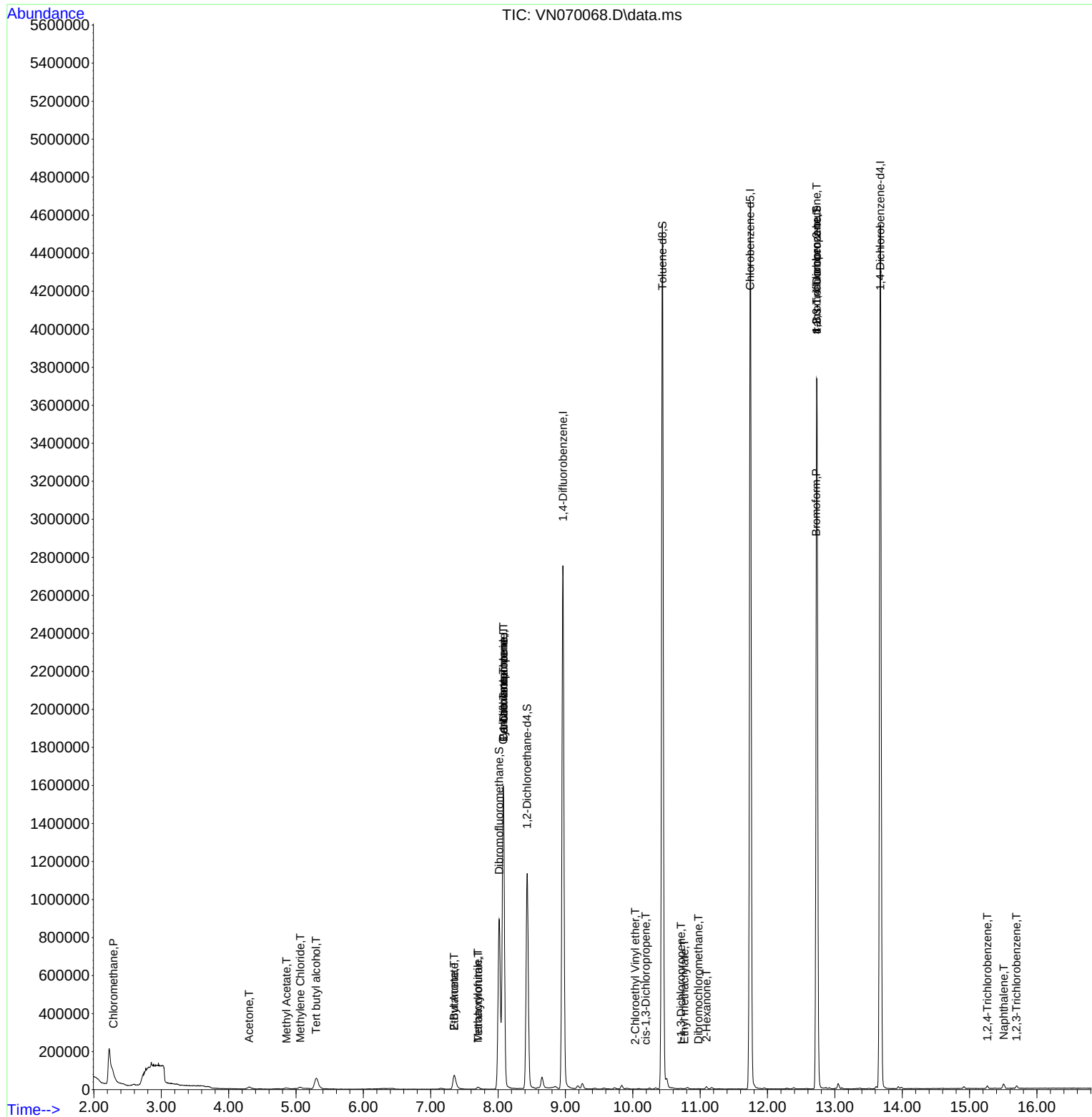
Internal Standards						
1) Pentafluorobenzene	8.078	168	1210139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	2312881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2551372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1182589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	971413	51.990	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.980%			
35) Dibromofluoromethane	8.016	113	650578	44.906	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 89.820%			
50) Toluene-d8	10.440	98	3059354	52.592	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.180%			
62) 4-Bromofluorobenzene	12.731	95	1298743	61.627	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 123.260%			
Target Compounds						Qvalue
3) Chloromethane	2.290	50	5651	0.320	ug/l	92
11) Tert butyl alcohol	5.296	59	65485	18.541	ug/l #	73
16) Acetone	4.304	43	15704	1.397	ug/l #	87
18) Methyl Acetate	4.859	43	8888	0.262	ug/l #	82
20) Methylene Chloride	5.063	84	5024	0.336	ug/l #	88
25) 2-Butanone	7.348	43	146658	9.603	ug/l #	89
29) Tetrahydrofuran	7.702	42	9337	1.007	ug/l #	64
31) Cyclohexane	8.075	56	30483	1.172	ug/l #	30
36) 1,1-Dichloropropene	8.078	75	104462	4.744	ug/l #	43
37) Ethyl Acetate	7.348	43	146658	4.475	ug/l #	68
38) Carbon Tetrachloride	8.078	117	124422	5.763	ug/l #	16
41) Methacrylonitrile	7.699	41	6316	0.411	ug/l #	29
53) t-1,3-Dichloropropene	10.717	75	467	2.810	ug/l #	43
54) cis-1,3-Dichloropropene	10.191	75	155	2.004	ug/l #	51
56) Ethyl methacrylate	10.765	69	661	2.299	ug/l #	30
58) 2-Chloroethyl Vinyl ether	10.035	63	27	18.392	ug/l #	45
59) 2-Hexanone	11.095	43	9804	0.412	ug/l	88
60) Dibromochloromethane	10.974	129	295	2.392	ug/l #	11
71) Bromoform	12.723	173	2509	2.883	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	720559	21.247	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	720559	67.951	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	4556	3.099	ug/l	93
95) Naphthalene	15.507	128	22365	4.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.697	180	5048	2.690	ug/l	94

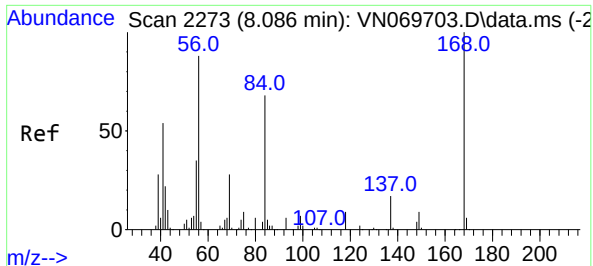
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
Data File : VN070068.D
Acq On : 14 Dec 2021 13:53
Operator : JC/MD
Sample : M4967-13ME
Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 14 17:12:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

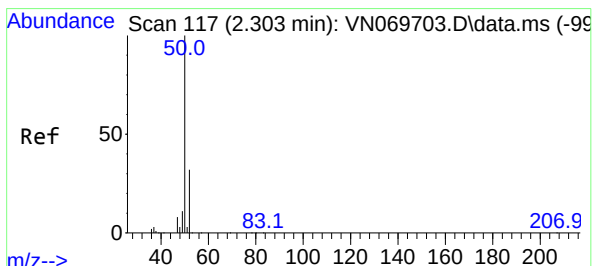
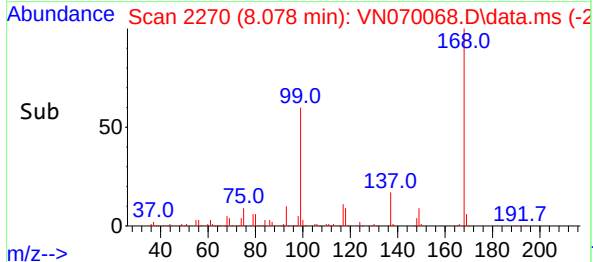
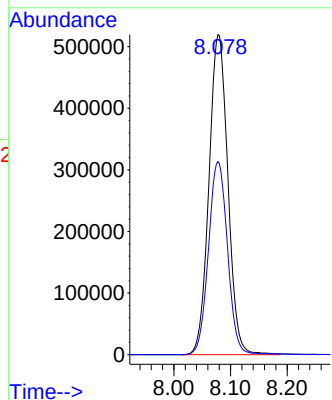
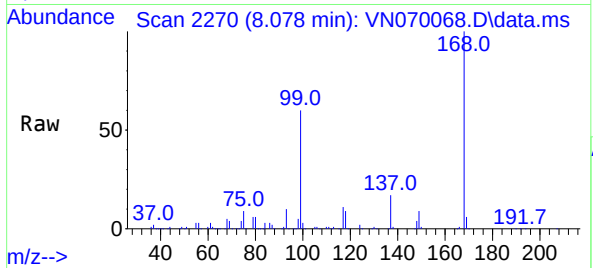




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

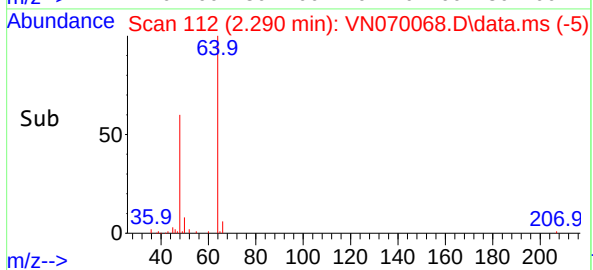
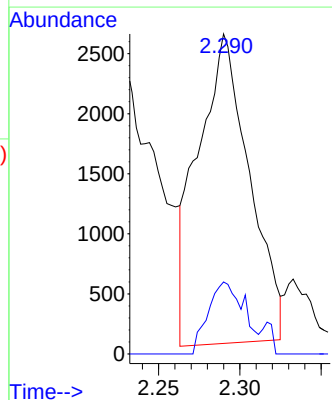
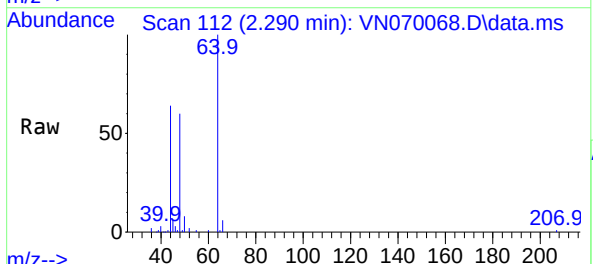
Instrument :
MSVOA_N
ClientSampleId :

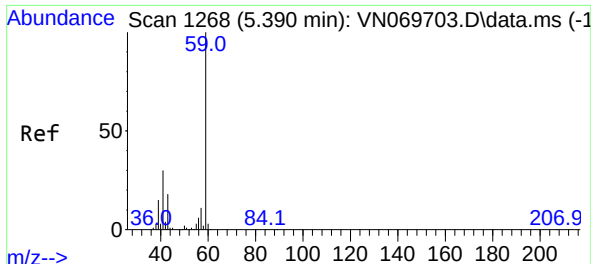
Tgt Ion:168 Resp: 1210139
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#3
Chloromethane
Concen: 0.320 ug/l
RT: 2.290 min Scan# 112
Delta R.T. -0.013 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

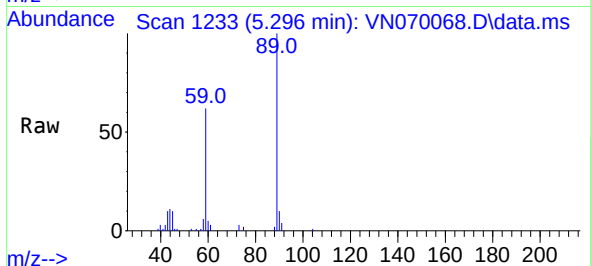
Tgt Ion: 50 Resp: 5651
Ion Ratio Lower Upper
50 100
52 27.5 25.4 38.0



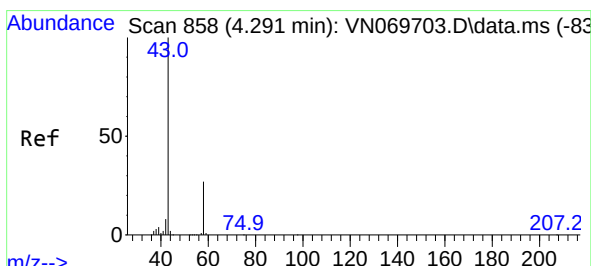
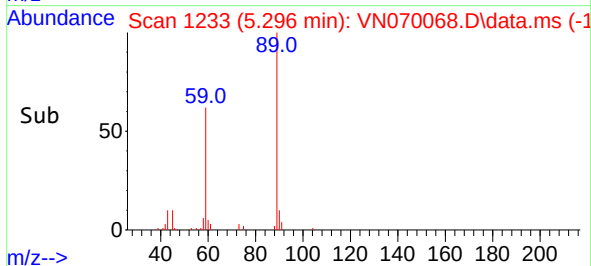
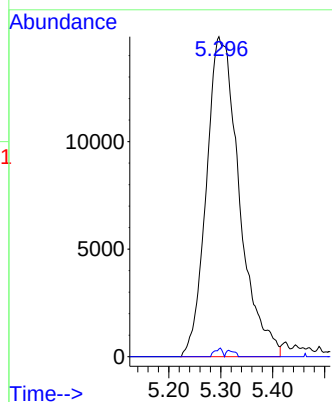


#11
Tert butyl alcohol
Concen: 18.541 ug/l
RT: 5.296 min Scan# 11
Delta R.T. -0.094 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

Instrument :
MSVOA_N
ClientSampleId :

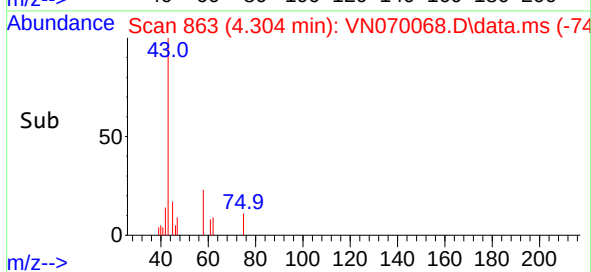
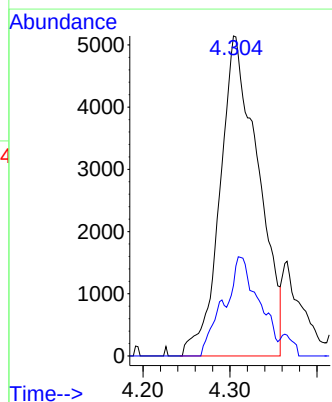
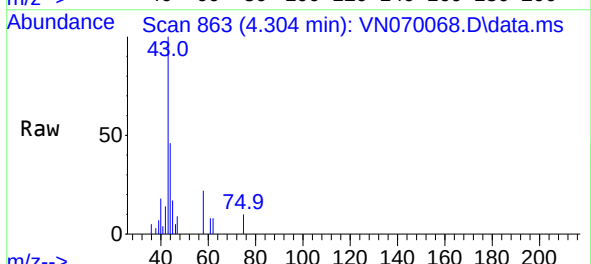


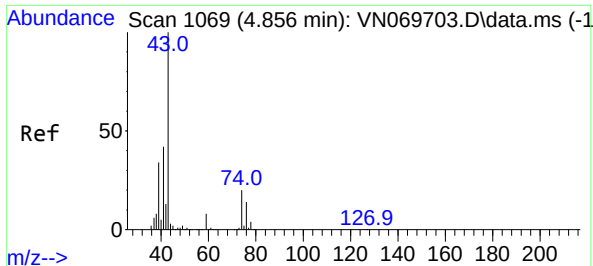
Tgt Ion: 59 Resp: 65485
Ion Ratio Lower Upper
59 100
57 0.6 8.7 13.1#



#16
Acetone
Concen: 1.397 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.014 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

Tgt Ion: 43 Resp: 15704
Ion Ratio Lower Upper
43 100
58 22.1 23.1 34.7#

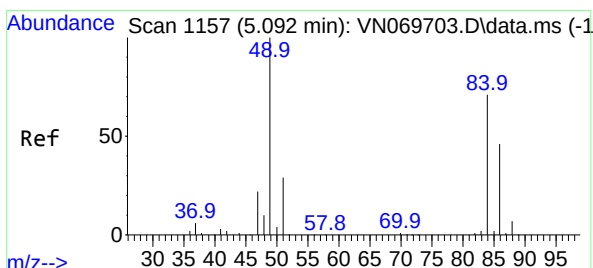
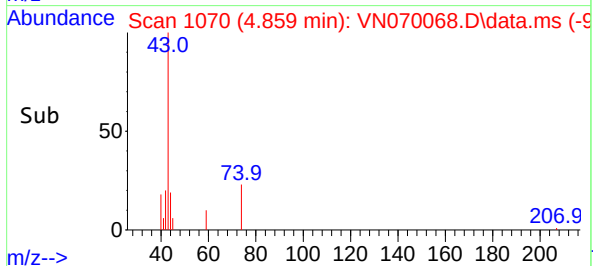
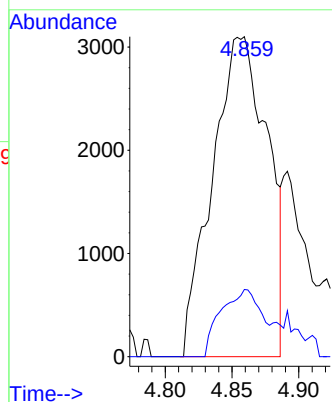
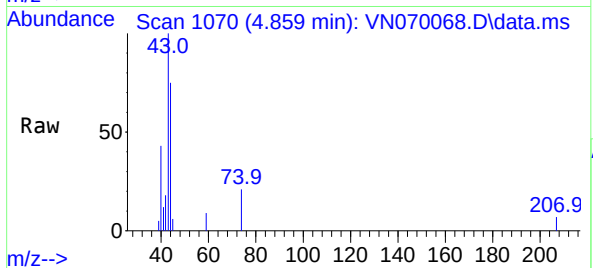




#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 4.859 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

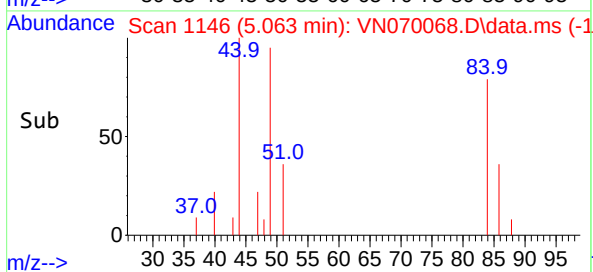
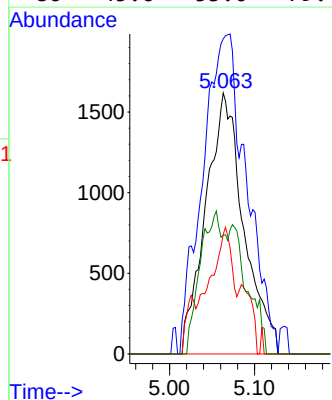
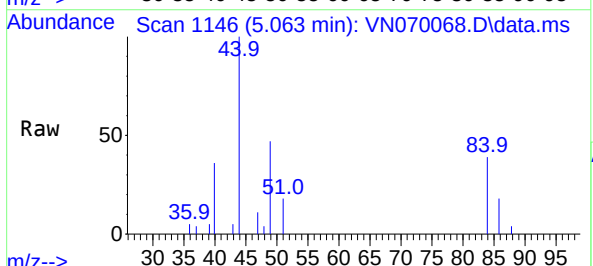
Instrument :
MSVOA_N
ClientSampleId :

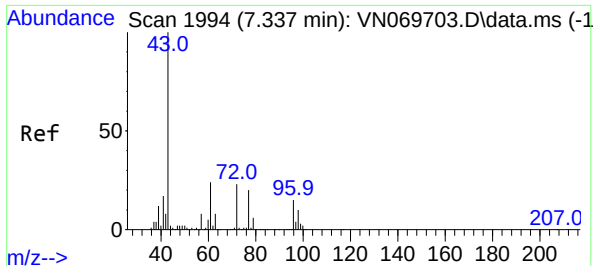
Tgt Ion: 43 Resp: 8888
Ion Ratio Lower Upper
43 100
74 15.3 19.4 29.2#



#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 5.063 min Scan# 1146
Delta R.T. -0.029 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

Tgt Ion: 84 Resp: 5024
Ion Ratio Lower Upper
84 100
49 120.7 93.5 140.3
51 45.8 29.4 44.2#
86 45.6 53.0 79.4#

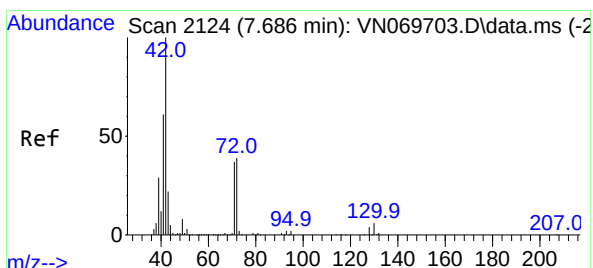
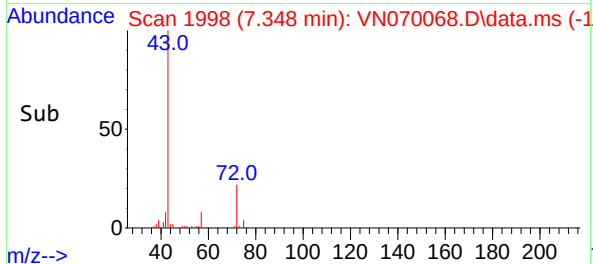
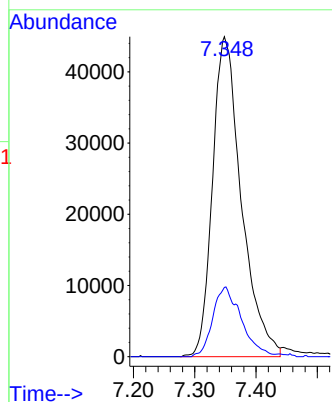
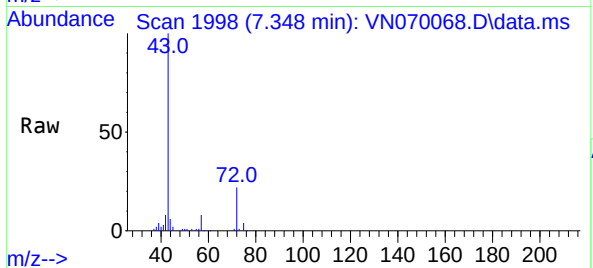




#25
2-Butanone
Concen: 9.603 ug/l
RT: 7.348 min Scan# 1994
Delta R.T. 0.011 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

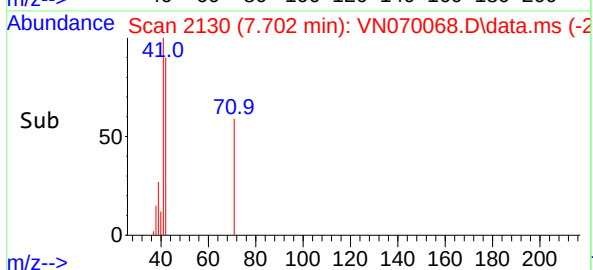
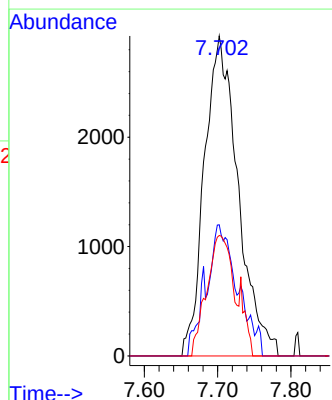
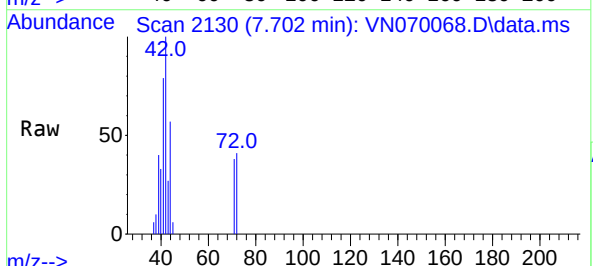
Instrument :
MSVOA_N
ClientSampleId :

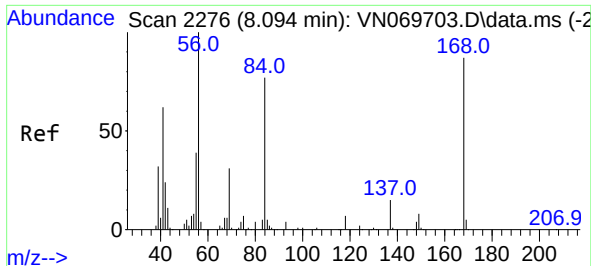
Tgt Ion: 43 Resp: 146658
Ion Ratio Lower Upper
43 100
72 21.6 21.7 32.5#



#29
Tetrahydrofuran
Concen: 1.007 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.016 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

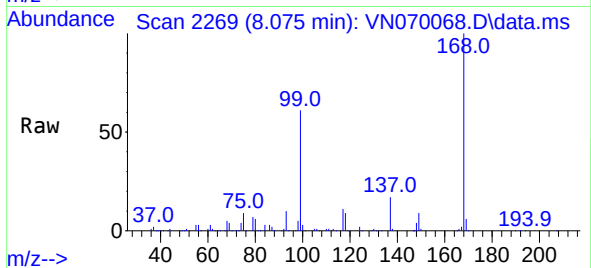
Tgt Ion: 42 Resp: 9337
Ion Ratio Lower Upper
42 100
72 13.8 36.3 54.5#
71 28.7 34.7 52.1#



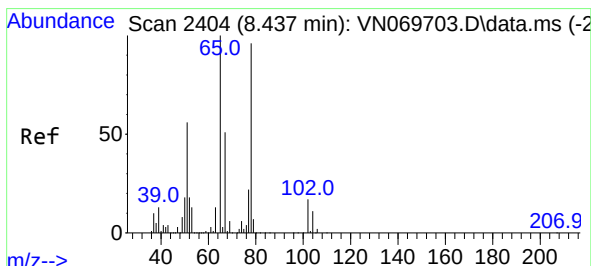
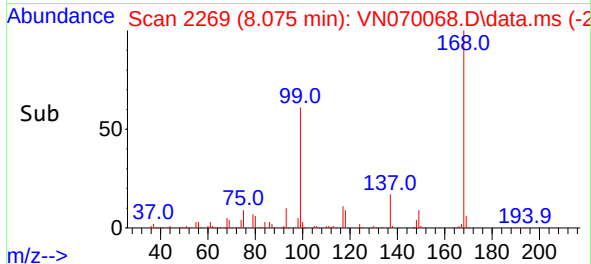
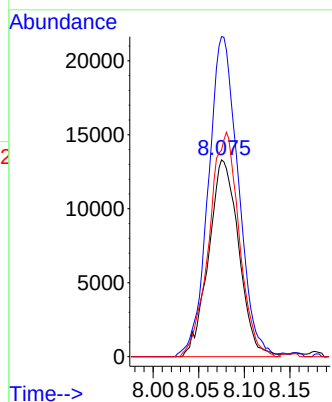


#31
Cyclohexane
Concen: 1.172 ug/l
RT: 8.075 min Scan# 21
Delta R.T. -0.019 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

Instrument :
MSVOA_N
ClientSampleId :

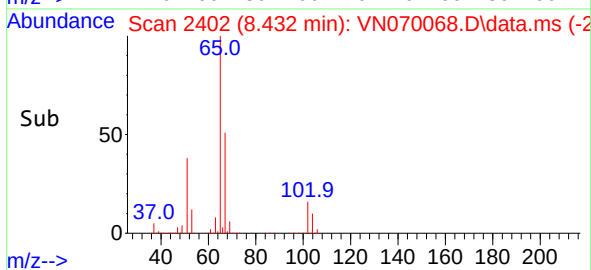
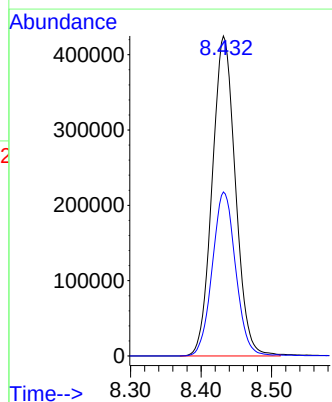
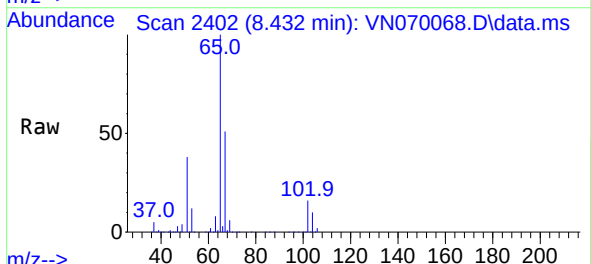


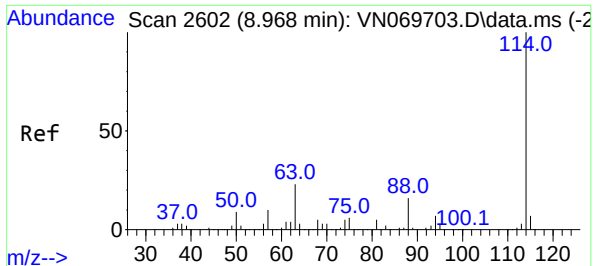
Tgt Ion: 56 Resp: 30483
Ion Ratio Lower Upper
56 100
69 161.0 27.1 40.7#
84 105.0 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 51.990 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.005 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

Tgt Ion: 65 Resp: 971413
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 2

Delta R.T. -0.005 min

Lab File: VN070068.D

Acq: 14 Dec 2021 13:53

Instrument :

MSVOA_N

ClientSampleId :

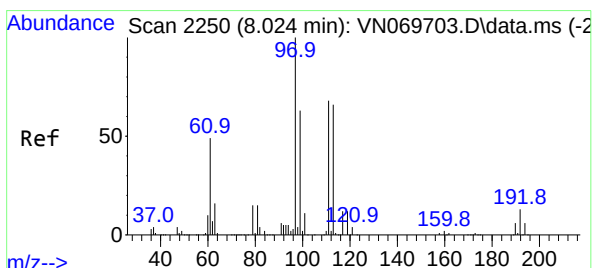
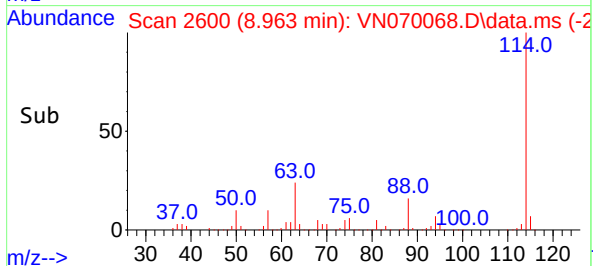
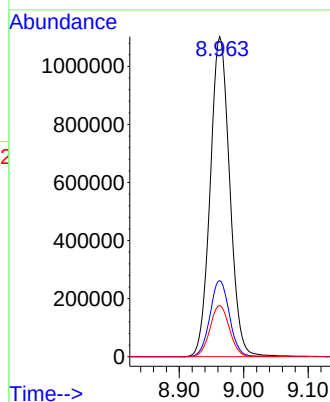
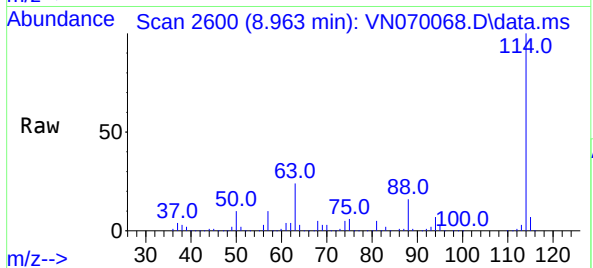
Tgt Ion:114 Resp: 2312881

Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 44.906 ug/l

RT: 8.016 min Scan# 2247

Delta R.T. -0.008 min

Lab File: VN070068.D

Acq: 14 Dec 2021 13:53

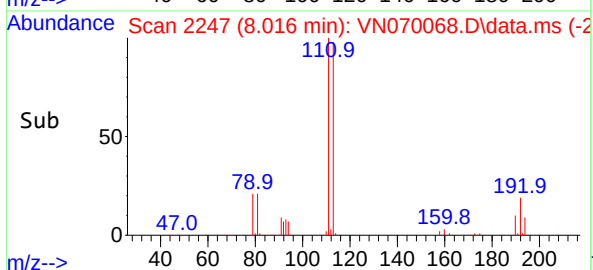
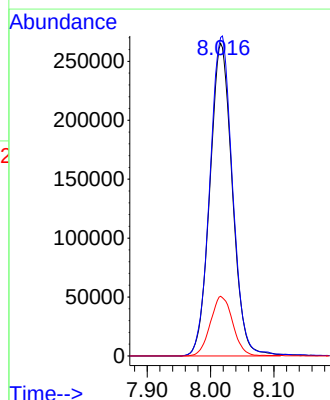
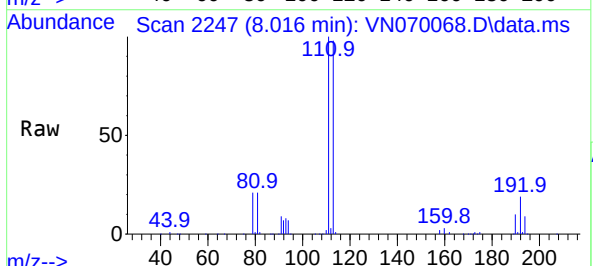
Tgt Ion:113 Resp: 650578

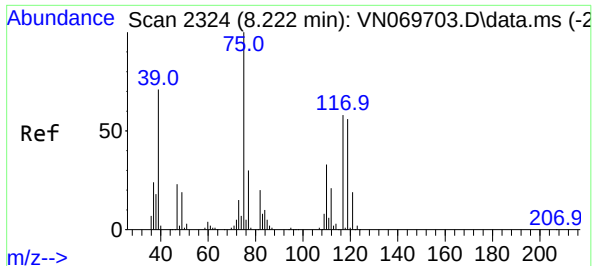
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

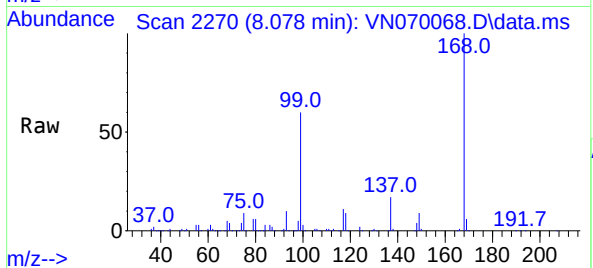
192 19.1 16.9 25.3



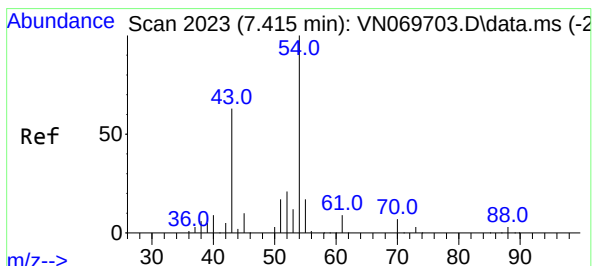
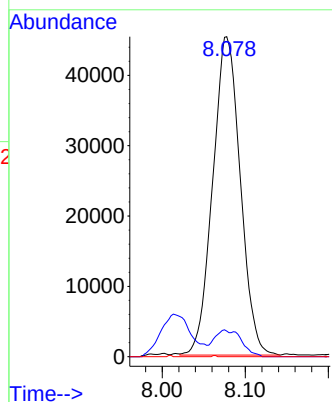
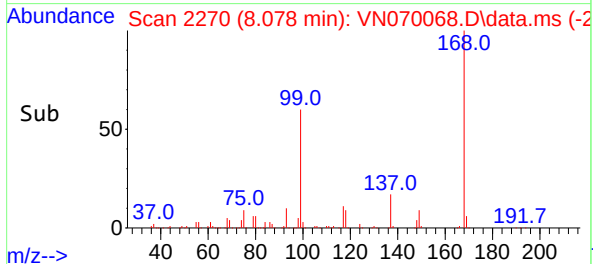


#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.145 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

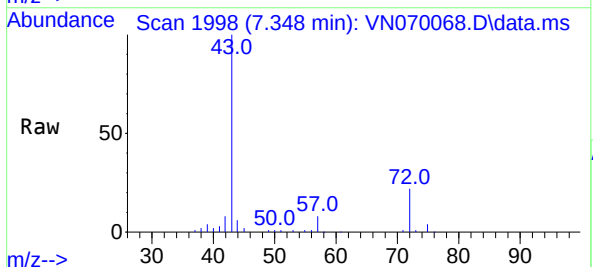
Instrument :
MSVOA_N
ClientSampleId :



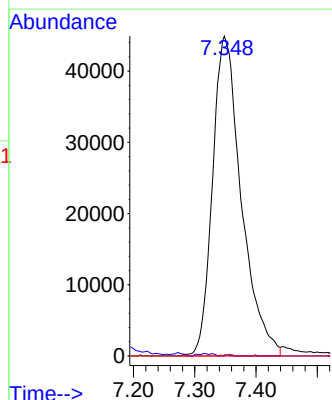
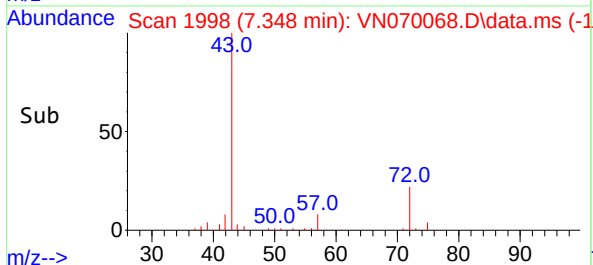
Tgt Ion: 75 Resp: 104462
Ion Ratio Lower Upper
75 100
110 2.4 18.4 55.2#
77 0.0 24.4 36.6#

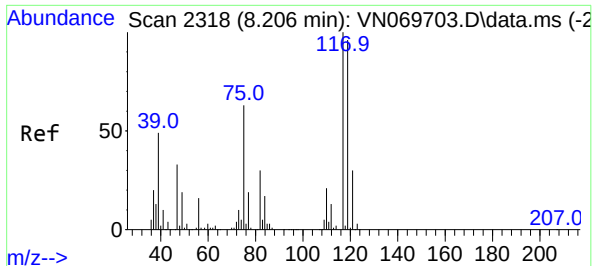


#37
Ethyl Acetate
Concen: 4.475 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53



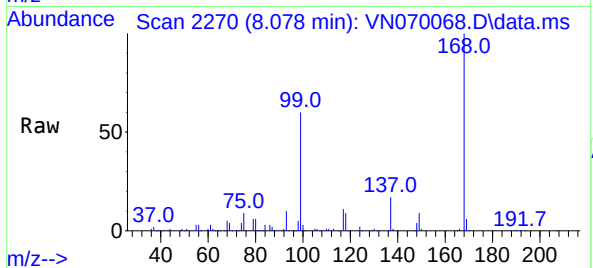
Tgt Ion: 43 Resp: 146658
Ion Ratio Lower Upper
43 100
61 0.1 11.5 17.3#
70 0.0 7.9 11.9#



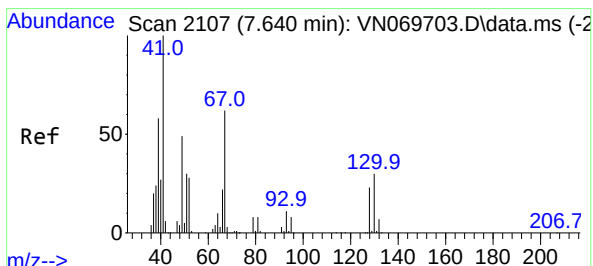
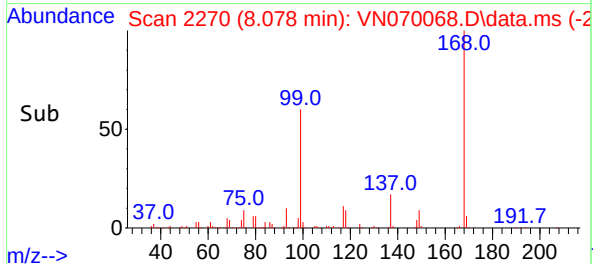
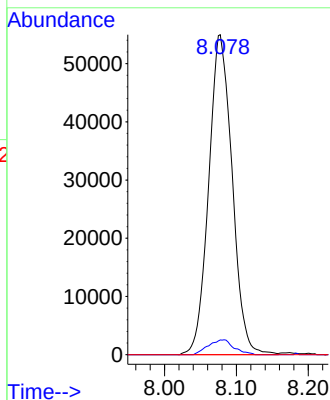


#38
Carbon Tetrachloride
Concen: 5.763 ug/l
RT: 8.078 min Scan# 2129
Delta R.T. -0.129 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

Instrument :
MSVOA_N
ClientSampleId :

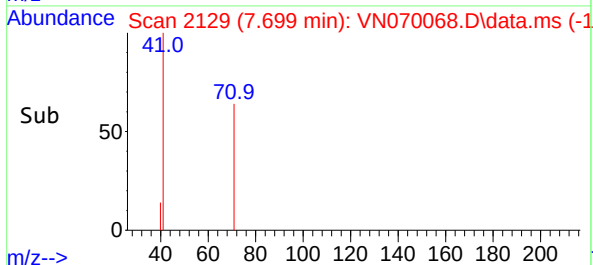
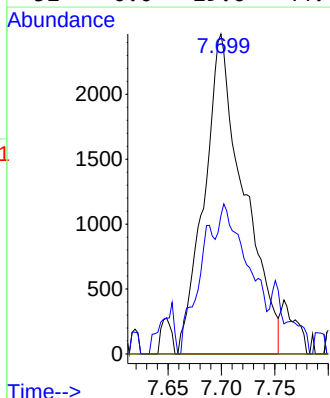
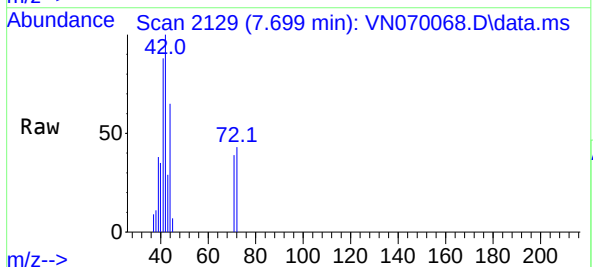


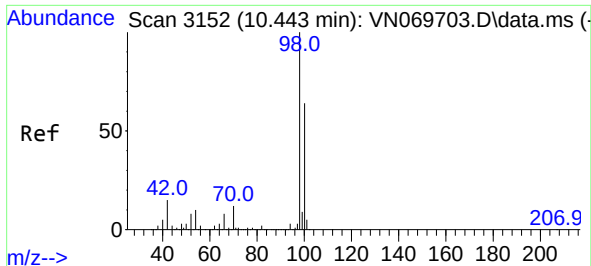
Tgt Ion:117 Resp: 124422
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.411 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.059 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

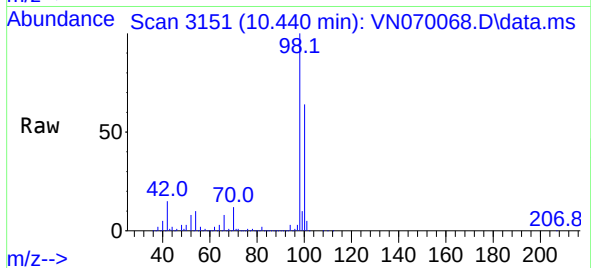
Tgt Ion: 41 Resp: 6316
Ion Ratio Lower Upper
41 100
39 25.9 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



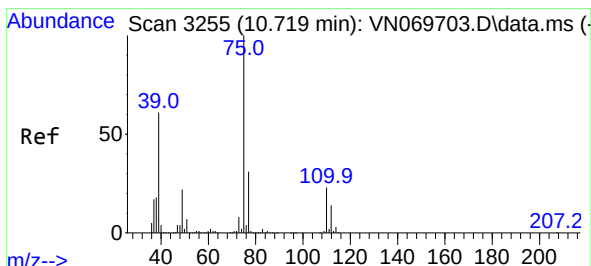
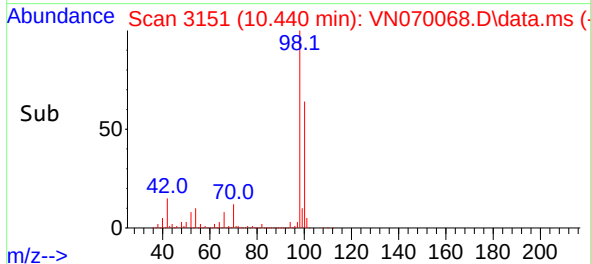
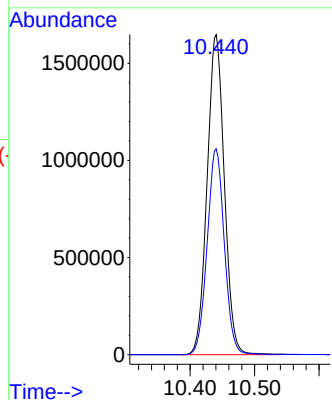


#50
Toluene-d8
Concen: 52.592 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

Instrument :
MSVOA_N
ClientSampleId :

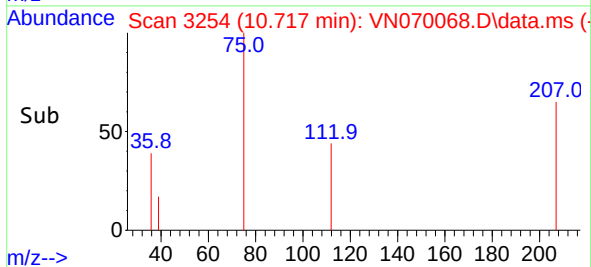
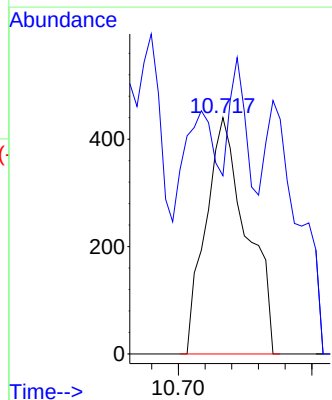
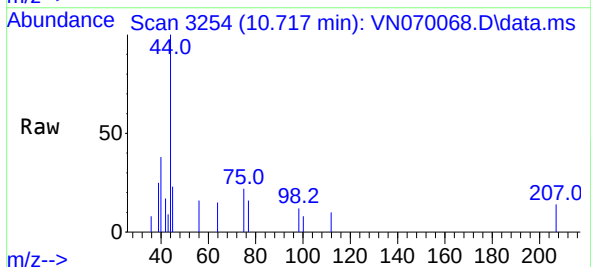


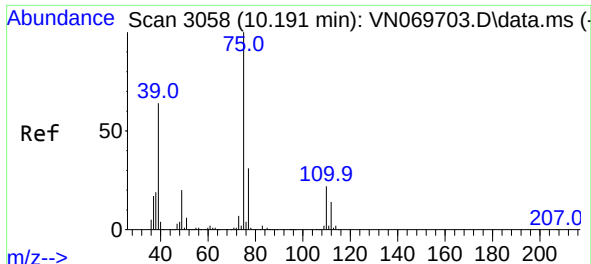
Tgt Ion: 98 Resp: 3059354
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.810 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

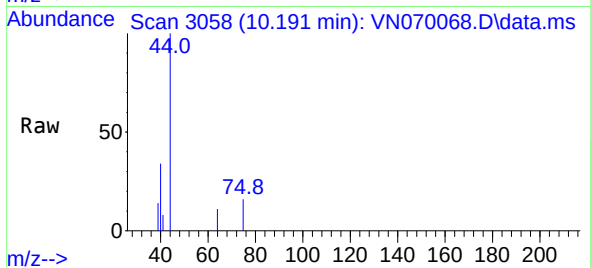
Tgt Ion: 75 Resp: 467
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



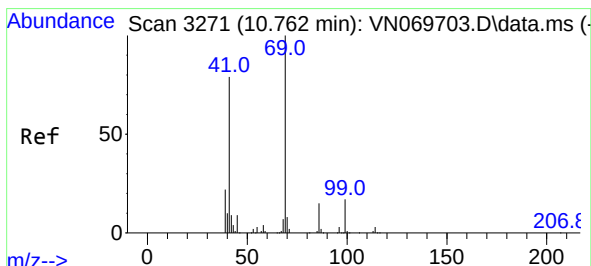
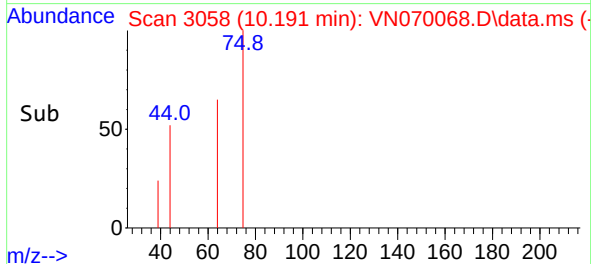
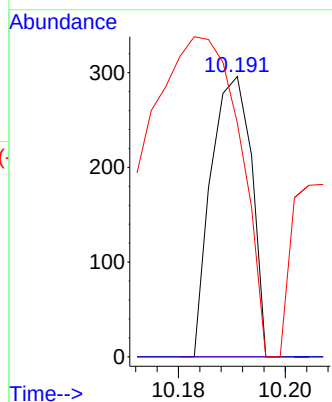


#54
 cis-1,3-Dichloropropene
 Concen: 2.004 ug/l
 RT: 10.191 min Scan# 3058
 Delta R.T. 0.000 min
 Lab File: VN070068.D
 Acq: 14 Dec 2021 13:53

Instrument :
 MSVOA_N
 ClientSampleId :

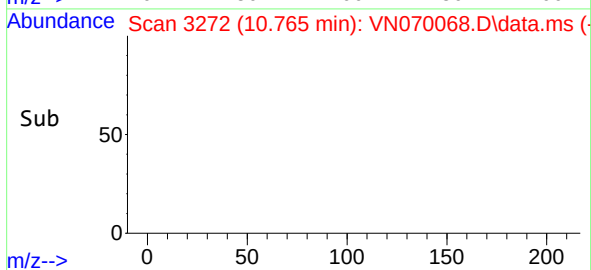
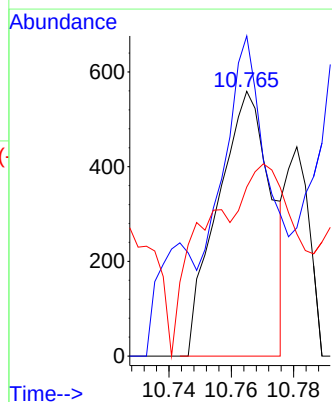
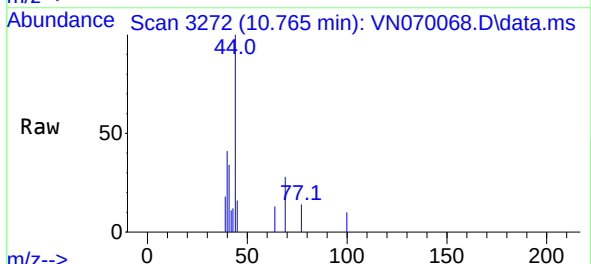


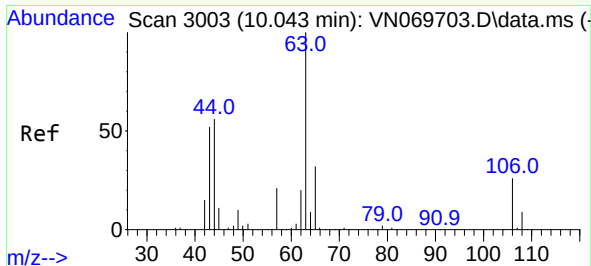
Tgt Ion: 75 Resp: 155
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 83.4 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.299 ug/l
 RT: 10.765 min Scan# 3272
 Delta R.T. 0.003 min
 Lab File: VN070068.D
 Acq: 14 Dec 2021 13:53

Tgt Ion: 69 Resp: 661
 Ion Ratio Lower Upper
 69 100
 41 90.5 51.4 77.0#
 39 122.8 34.6 52.0#

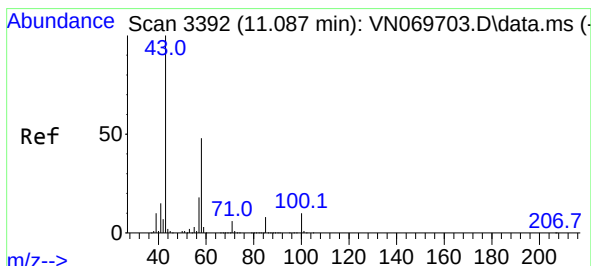
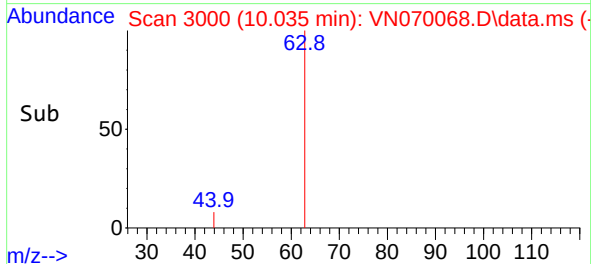
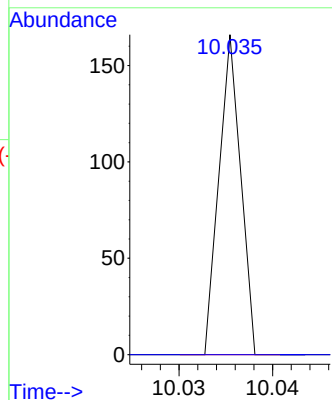
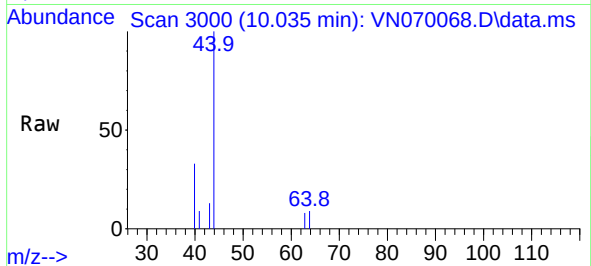




#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.035 min Scan# 3003
Delta R.T. -0.008 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

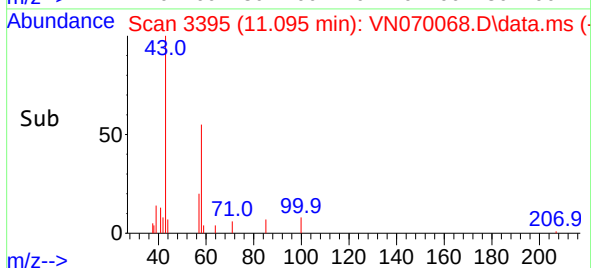
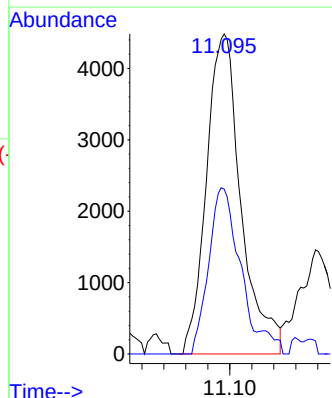
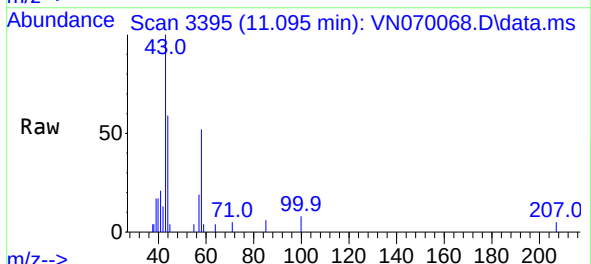
Instrument :
MSVOA_N
ClientSampleId :

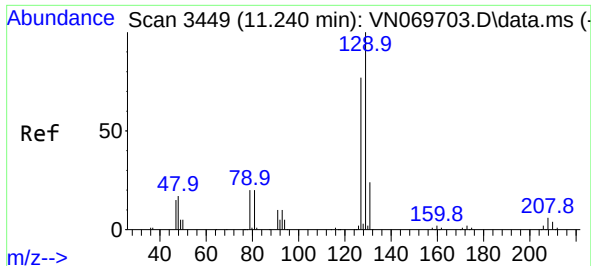
Tgt Ion: 63 Resp: 27
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.412 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

Tgt Ion: 43 Resp: 9804
Ion Ratio Lower Upper
43 100
58 45.0 26.9 80.7

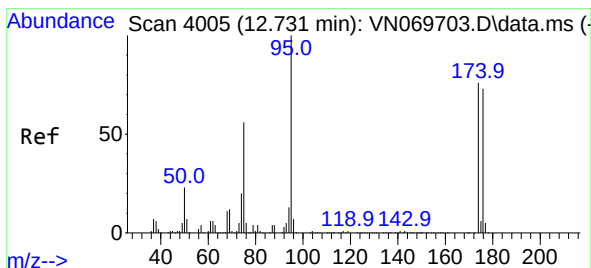
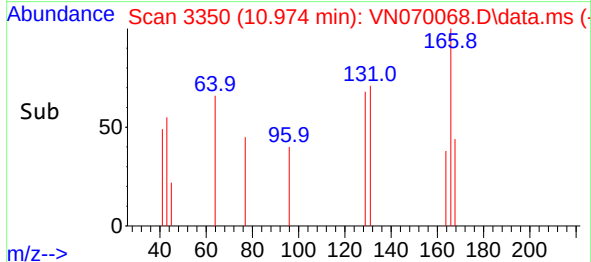
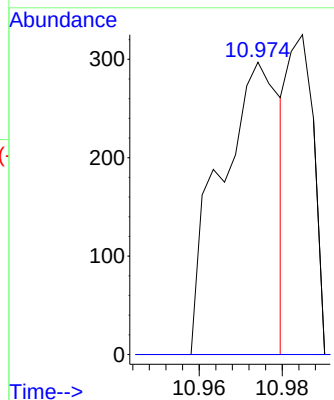
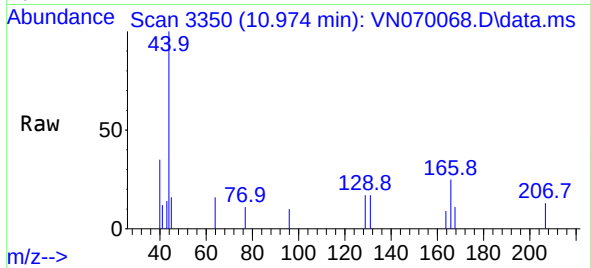




#60
Dibromochloromethane
Concen: 2.392 ug/l
RT: 10.974 min Scan# 31
Delta R.T. -0.266 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

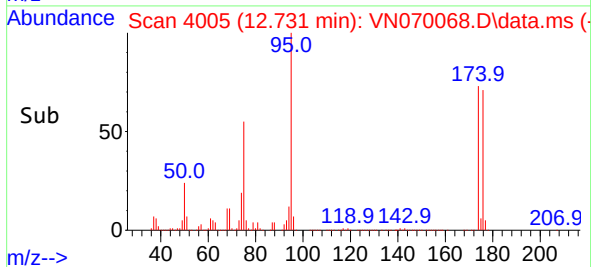
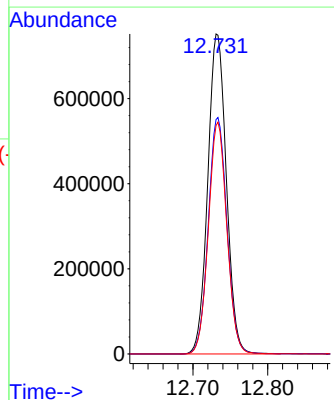
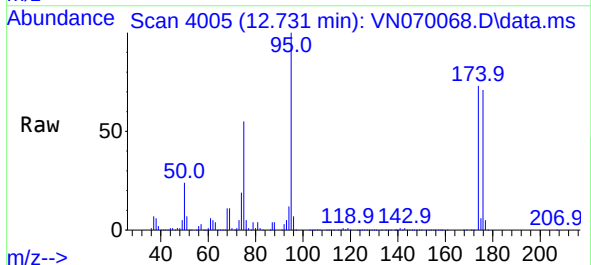
Instrument :
MSVOA_N
ClientSampleId :

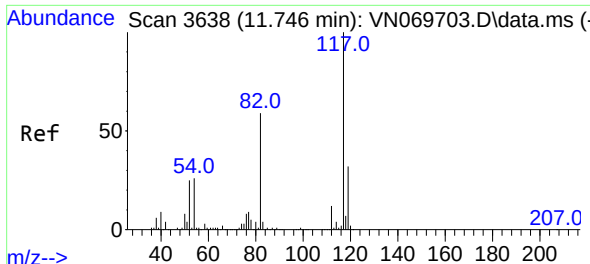
Tgt Ion:129 Resp: 295
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 61.627 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

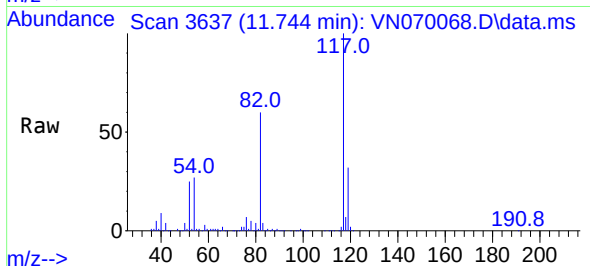
Tgt Ion: 95 Resp: 1298743
Ion Ratio Lower Upper
95 100
174 74.4 0.0 187.2
176 72.0 0.0 181.4



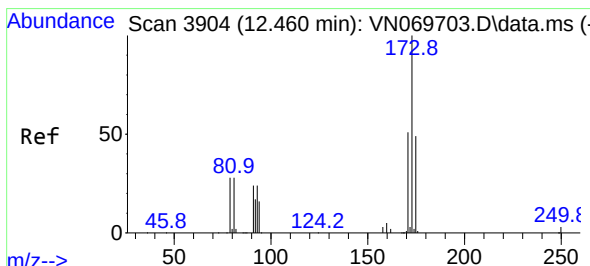
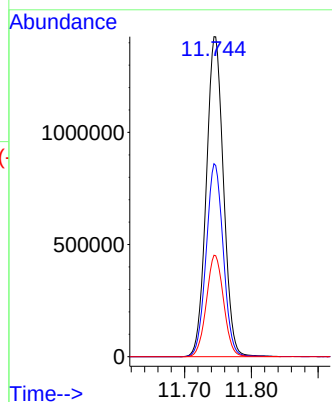
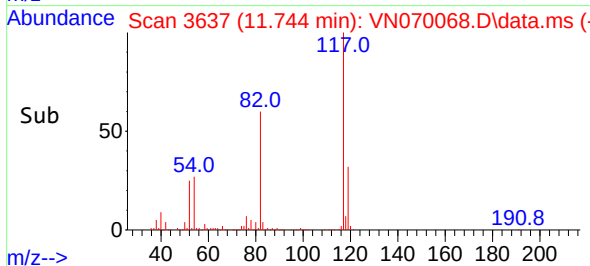


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

Instrument :
MSVOA_N
ClientSampleId :

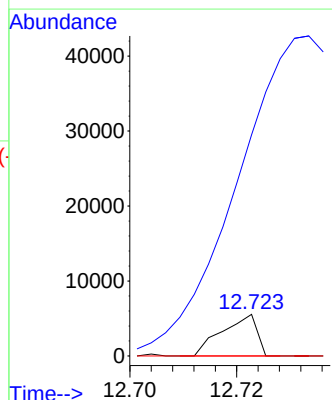
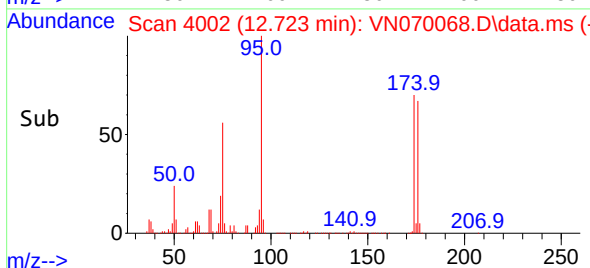
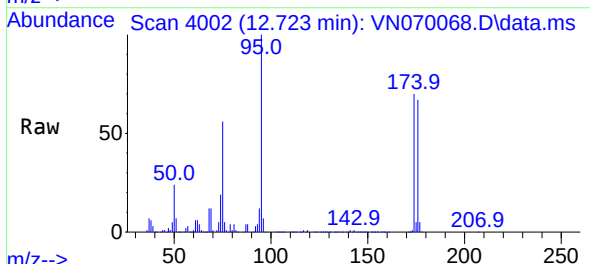


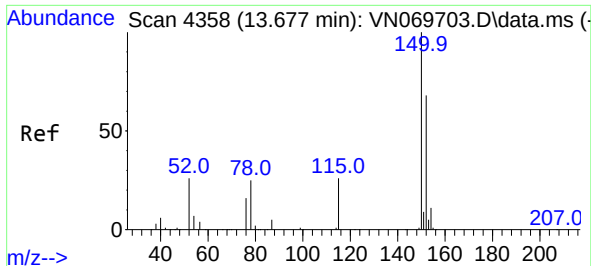
Tgt Ion:117 Resp: 2551372
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 31.7 25.4 38.2



#71
Bromoform
Concen: 2.883 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

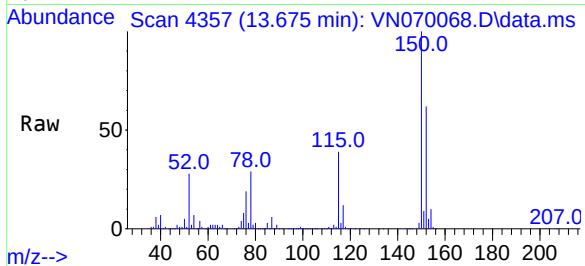
Tgt Ion:173 Resp: 2509
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0





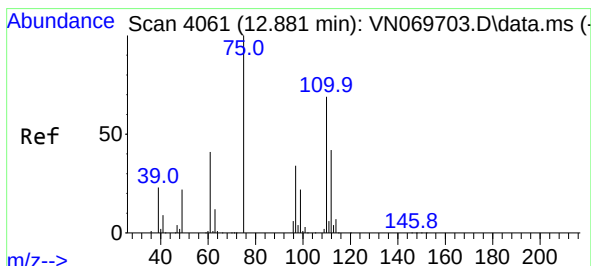
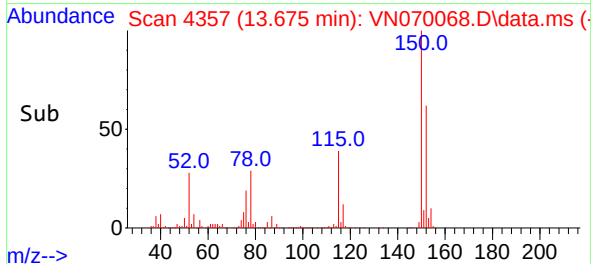
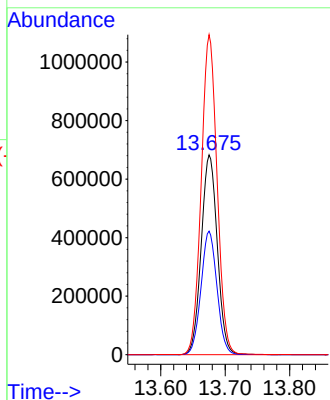
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070068.D
 Acq: 14 Dec 2021 13:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 1182589

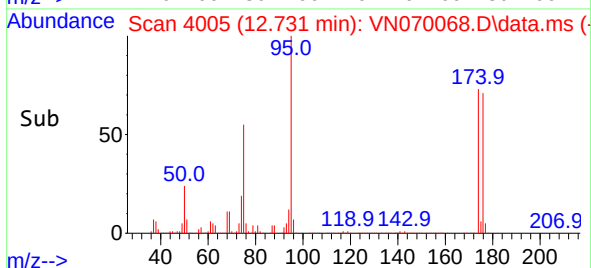
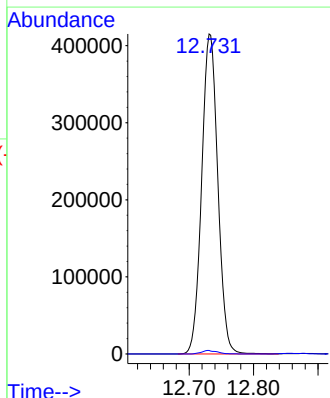
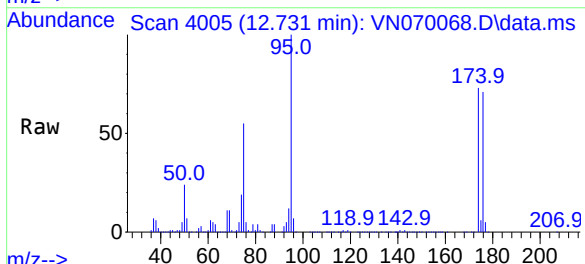
Ion	Ratio	Lower	Upper
152	100		
115	61.3	27.5	82.5
150	157.9	0.0	344.4

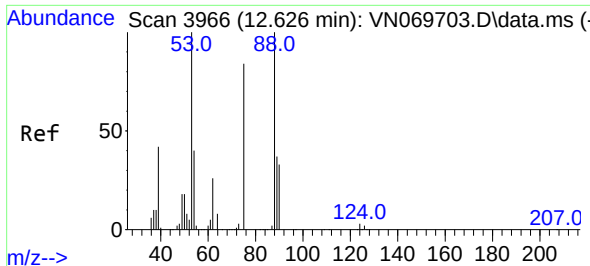


#76
 1,2,3-Trichloropropane
 Concen: 21.247 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN070068.D
 Acq: 14 Dec 2021 13:53

Tgt Ion: 75 Resp: 720559

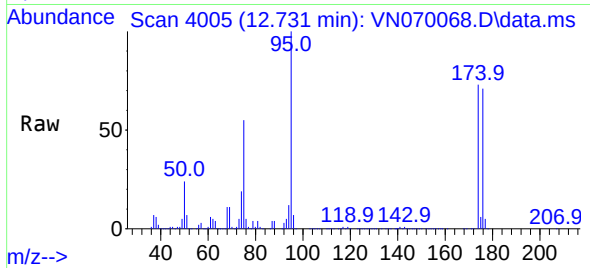
Ion	Ratio	Lower	Upper
75	100		
77	1.1	82.6	247.8#



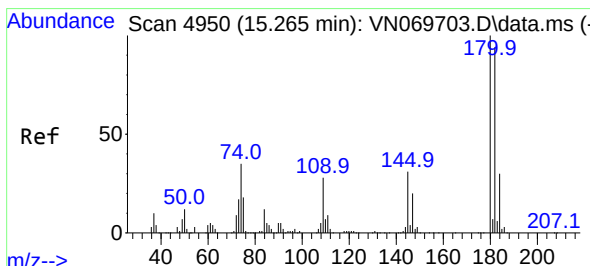
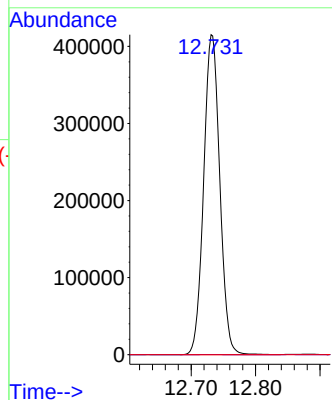
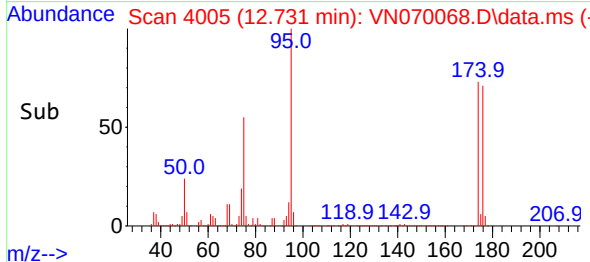


#81
trans-1,4-Dichloro-2-butene
Concen: 67.951 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

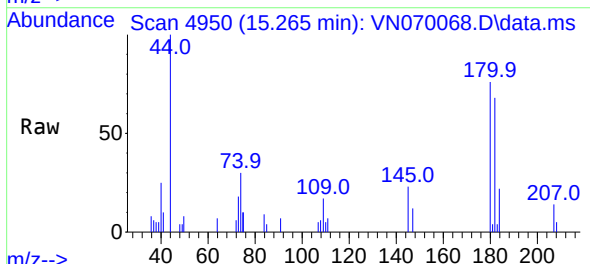
Instrument :
MSVOA_N
ClientSampleId :



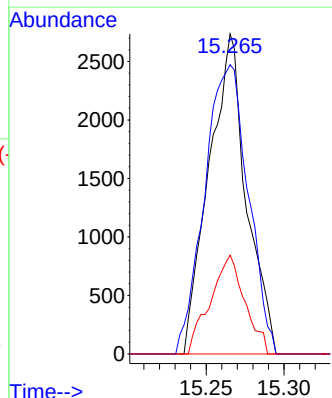
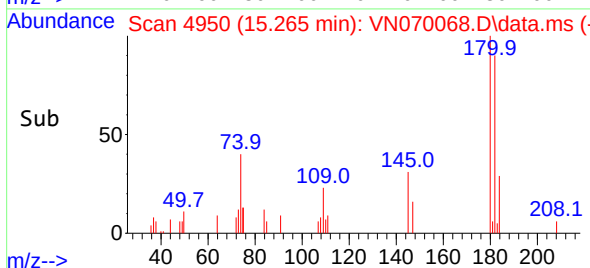
Tgt Ion: 75 Resp: 720559
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

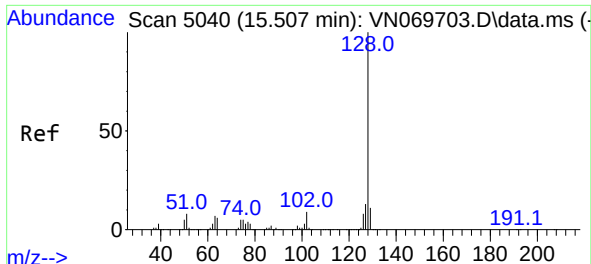


#93
1,2,4-Trichlorobenzene
Concen: 3.099 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53



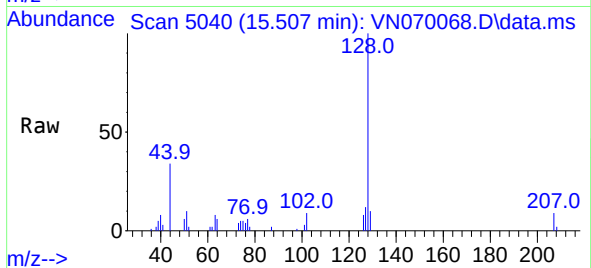
Tgt Ion: 180 Resp: 4556
Ion Ratio Lower Upper
180 100
182 105.2 48.3 144.9
145 28.5 14.5 43.5



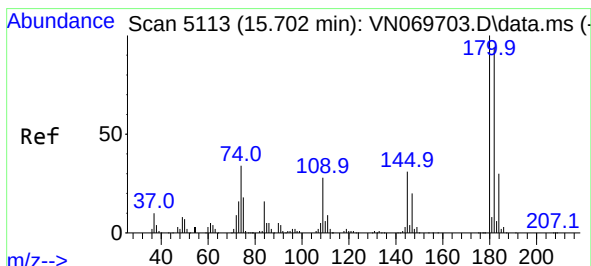
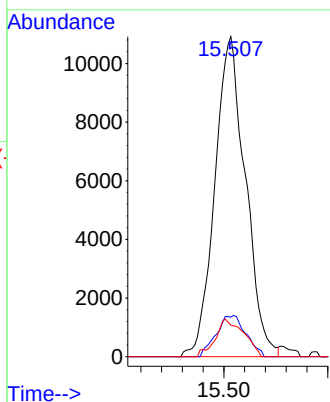
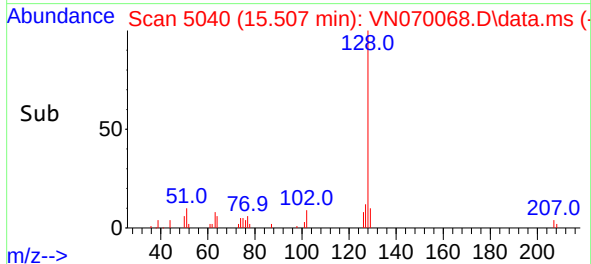


#95
Naphthalene
Concen: 4.341 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53

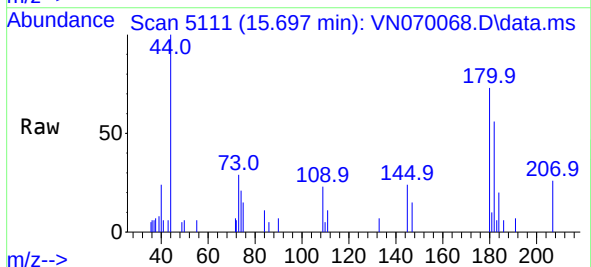
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 22365
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.690 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN070068.D
Acq: 14 Dec 2021 13:53



Tgt Ion:180 Resp: 5048
Ion Ratio Lower Upper
180 100
182 88.7 47.4 142.2
145 27.2 15.0 45.1

