

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070063.D
 Acq On : 14 Dec 2021 10:59
 Operator : JC/MD
 Sample : VN1214WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 17:08:58 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

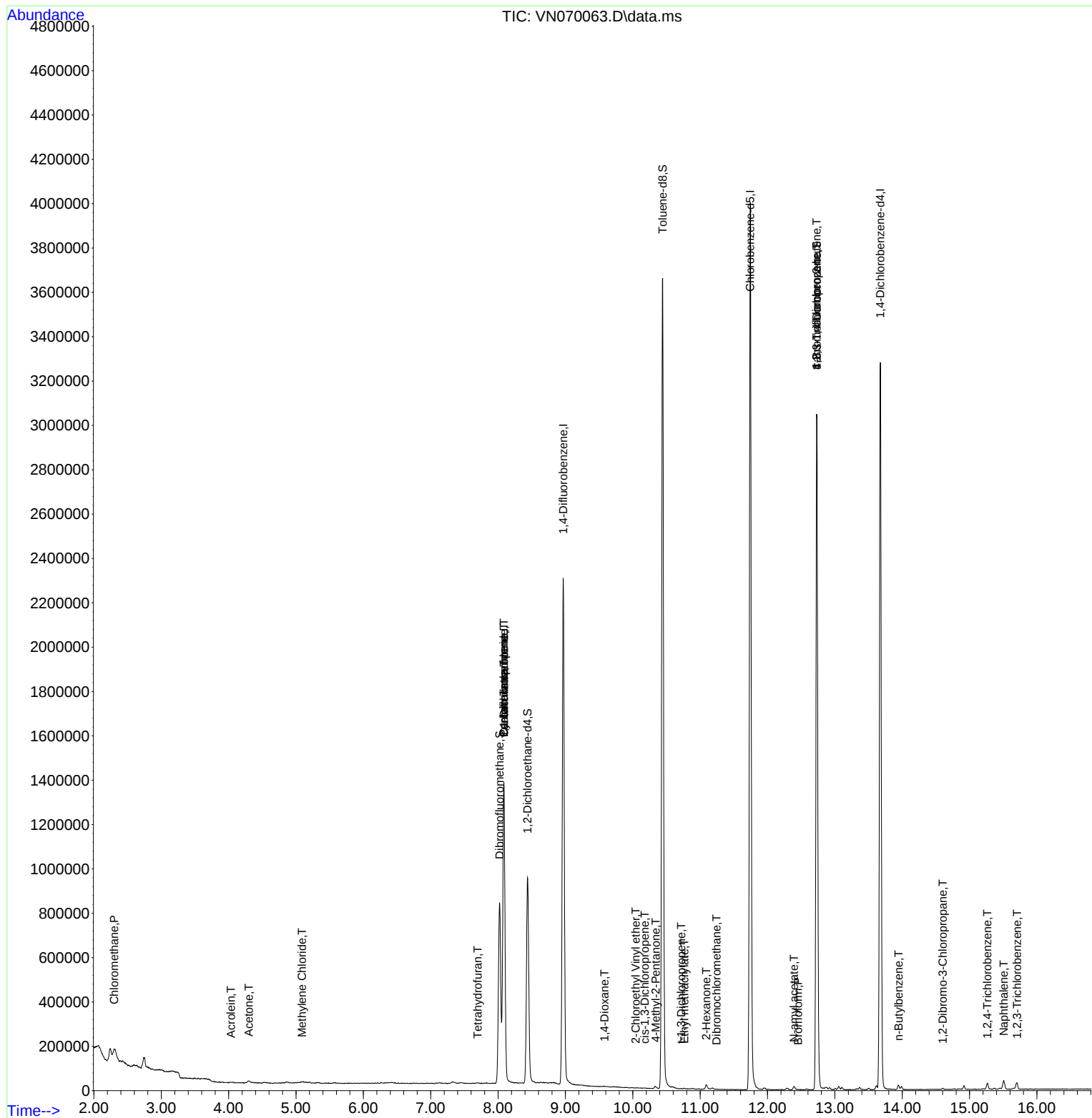
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	999606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1922916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2229704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	885559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	815244	52.822	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 105.640%		
35) Dibromofluoromethane	8.024	113	598826	49.717	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 99.440%		
50) Toluene-d8	10.443	98	2548609	52.697	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 105.400%		
62) 4-Bromofluorobenzene	12.731	95	1075193	61.366	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 122.740%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	5109	0.350	ug/l #	71
13) Acrolein	4.036	56	909	0.366	ug/l #	14
16) Acetone	4.299	43	8986	0.968	ug/l #	78
20) Methylene Chloride	5.090	84	2483	0.201	ug/l #	77
29) Tetrahydrofuran	7.697	42	1665	0.217	ug/l #	56
31) Cyclohexane	8.086	56	25984	1.210	ug/l #	34
36) 1,1-Dichloropropene	8.086	75	87708	4.791	ug/l #	48
38) Carbon Tetrachloride	8.086	117	101790	5.670	ug/l #	16
49) 1,4-Dioxane	9.580	88	404	1.197	ug/l #	77
51) 4-Methyl-2-Pentanone	10.341	43	9713	0.371	ug/l #	79
53) t-1,3-Dichloropropene	10.719	75	701	2.824	ug/l #	47
54) cis-1,3-Dichloropropene	10.178	75	247	2.009	ug/l #	12
56) Ethyl methacrylate	10.765	69	1652	2.340	ug/l #	57
58) 2-Chloroethyl Vinyl ether	10.044	63	79	18.399	ug/l #	45
59) 2-Hexanone	11.090	43	17825	0.901	ug/l	88
60) Dibromochloromethane	11.242	129	127	2.384	ug/l #	26
71) Bromoform	12.452	173	305	2.752	ug/l #	29
74) N-amyl acetate	12.393	43	11082	0.318	ug/l #	71
76) 1,2,3-Trichloropropane	12.731	75	598641	23.572	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	598641	74.945	ug/l #	5
89) n-Butylbenzene	13.946	91	12245	0.254	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.603	75	1639	0.333	ug/l #	53
93) 1,2,4-Trichlorobenzene	15.265	180	9399	3.488	ug/l	97
95) Naphthalene	15.507	128	38051	4.794	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	10689	3.154	ug/l #	87

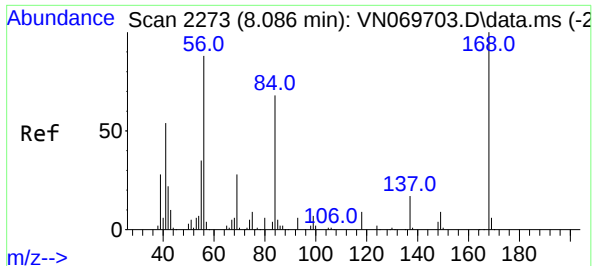
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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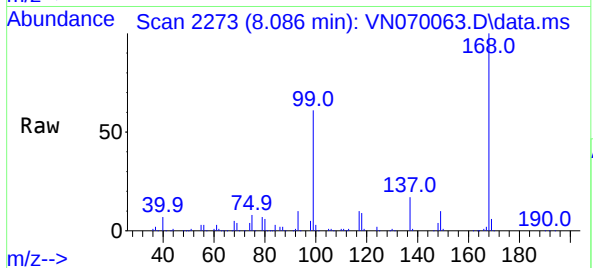
Quant Time: Dec 14 17:08:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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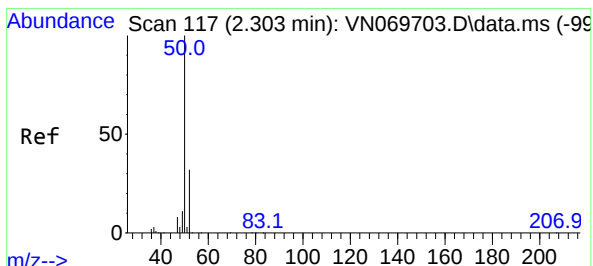
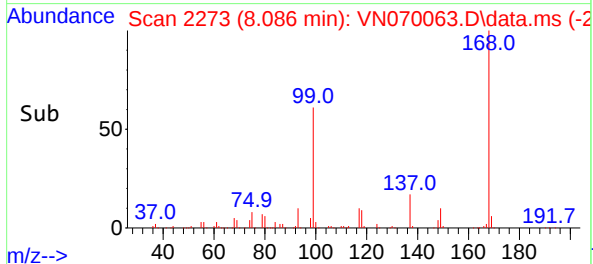
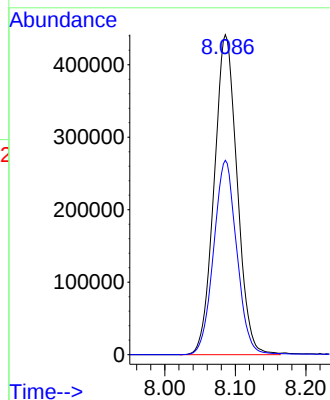


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Instrument :
MSVOA_N
ClientSampleId :

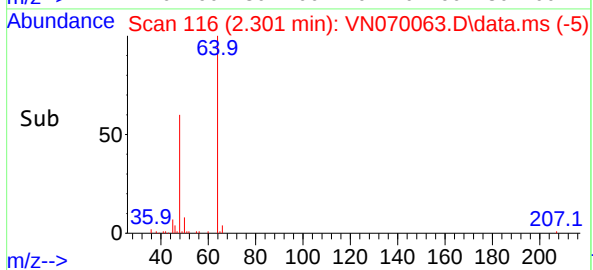
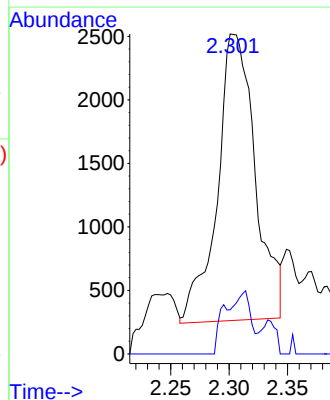
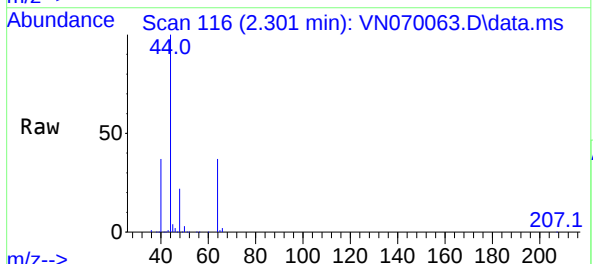


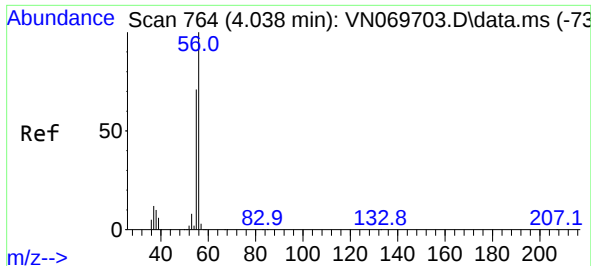
Tgt Ion:168 Resp: 999606
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#3
Chloromethane
Concen: 0.350 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

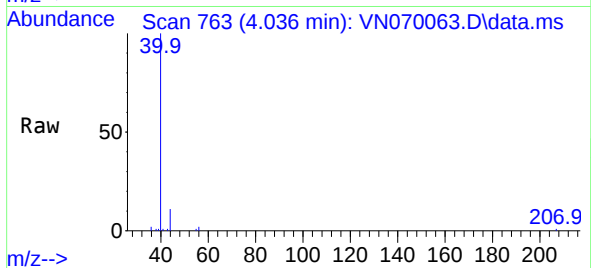
Tgt Ion: 50 Resp: 5109
Ion Ratio Lower Upper
50 100
52 15.5 25.4 38.0#



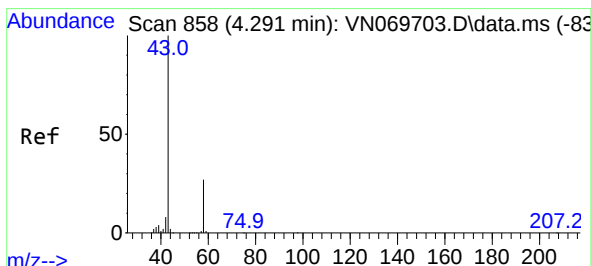
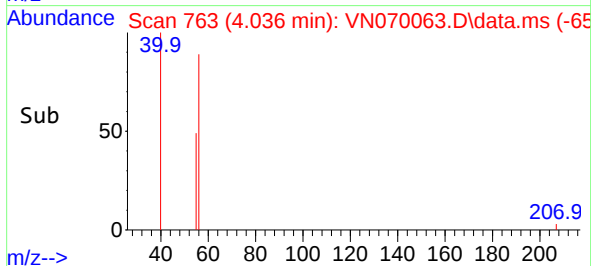
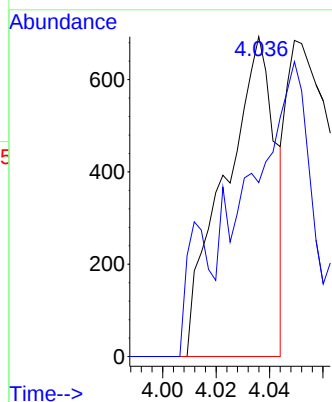


#13
Acrolein
Concen: 0.366 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.002 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Instrument :
MSVOA_N
ClientSampleId :

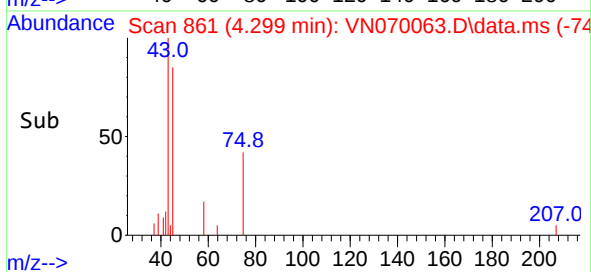
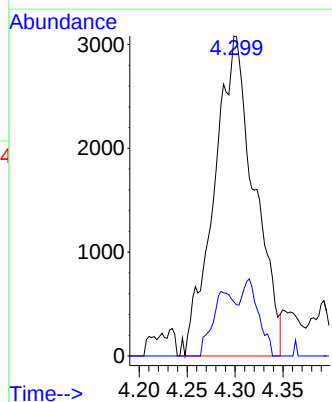
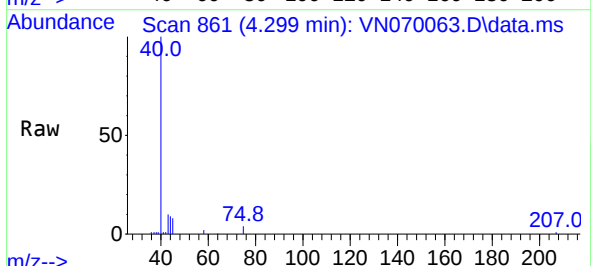


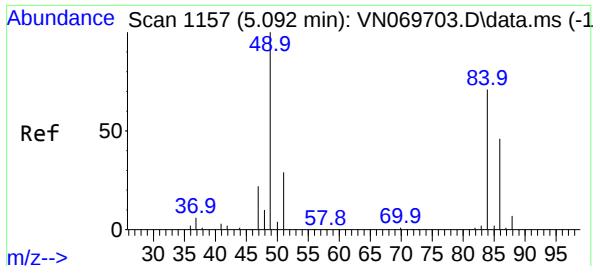
Tgt Ion: 56 Resp: 909
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 0.968 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

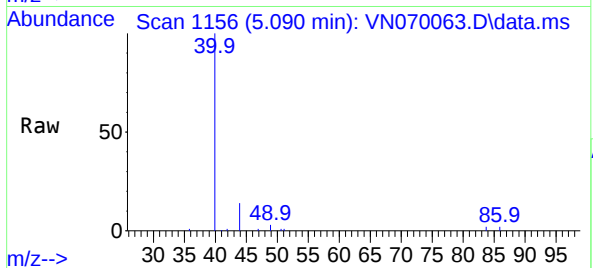
Tgt Ion: 43 Resp: 8986
Ion Ratio Lower Upper
43 100
58 16.9 23.1 34.7#





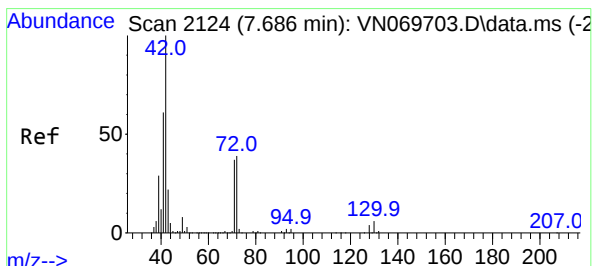
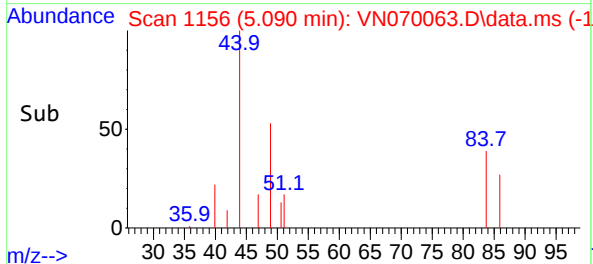
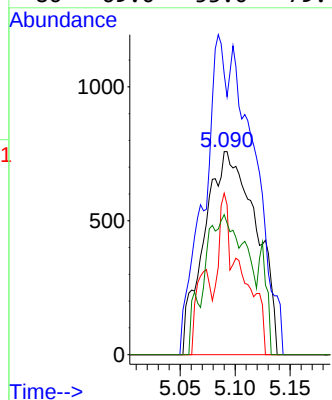
#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 5.090 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2483

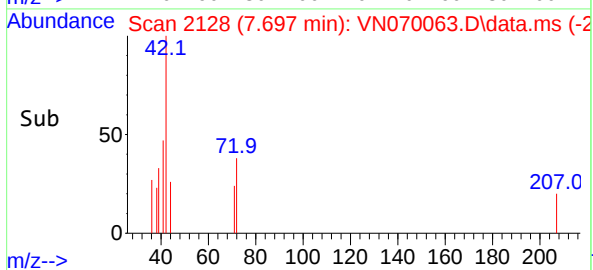
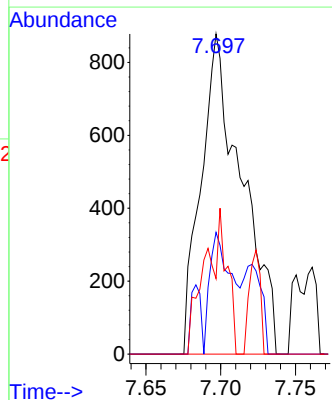
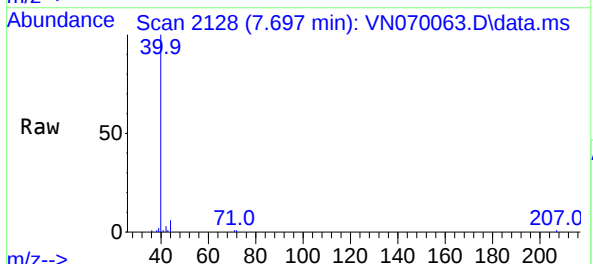
Ion	Ratio	Lower	Upper
84	100		
49	138.3	93.5	140.3
51	79.6	29.4	44.2#
86	69.0	53.0	79.4

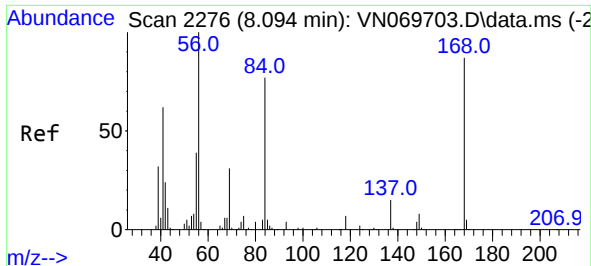


#29
Tetrahydrofuran
Concen: 0.217 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.011 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Tgt Ion: 42 Resp: 1665

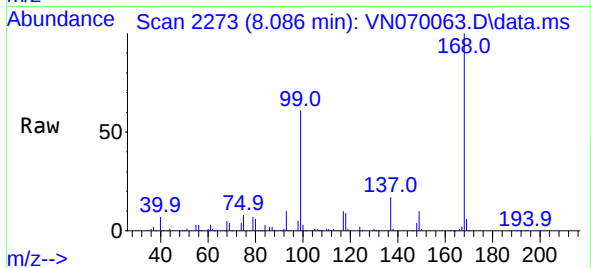
Ion	Ratio	Lower	Upper
42	100		
72	20.7	36.3	54.5#
71	10.4	34.7	52.1#



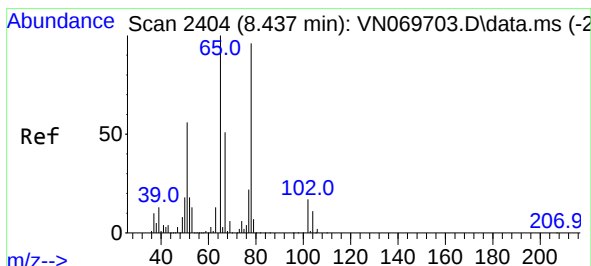
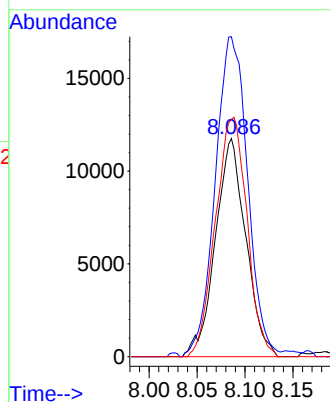
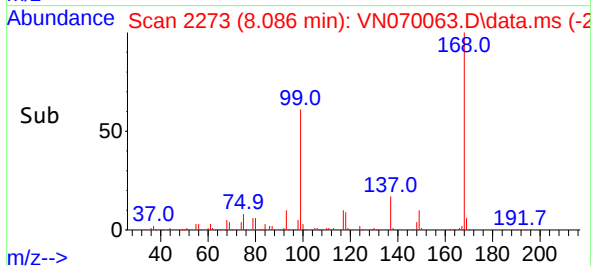


#31
Cyclohexane
Concen: 1.210 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Instrument :
MSVOA_N
ClientSampleId :

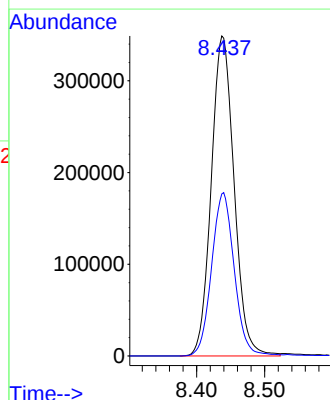
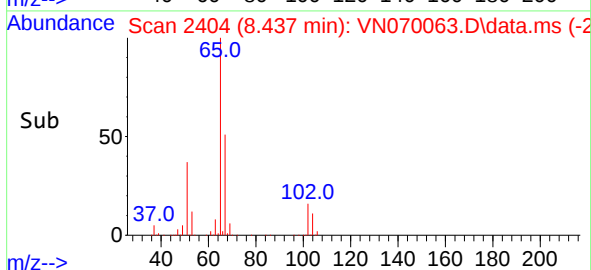
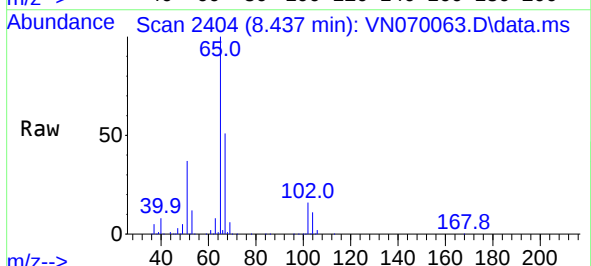


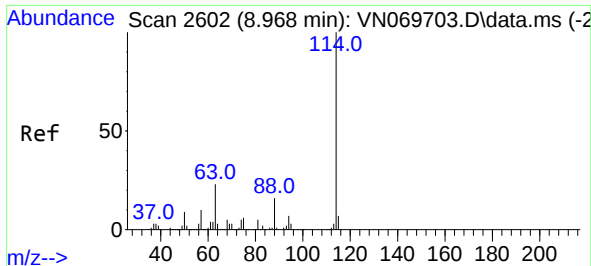
Tgt Ion: 56 Resp: 25984
Ion Ratio Lower Upper
56 100
69 146.7 27.1 40.7#
84 108.9 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 52.822 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

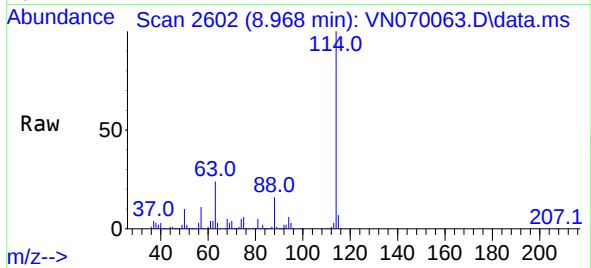
Tgt Ion: 65 Resp: 815244
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0





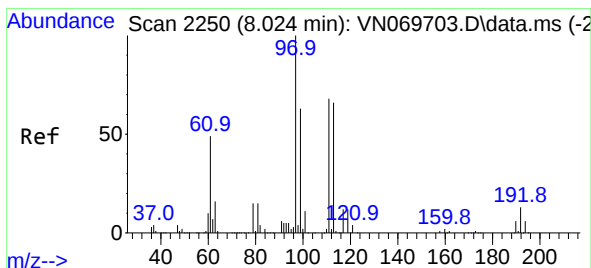
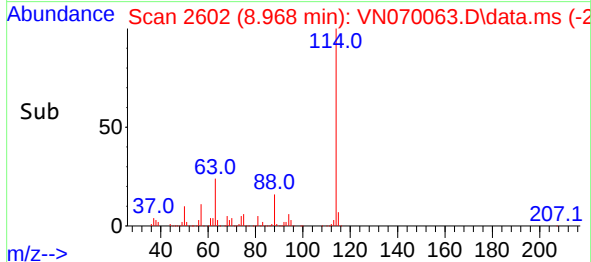
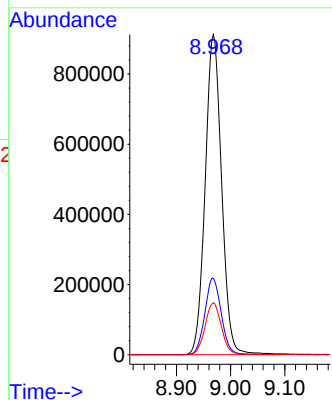
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:114 Resp: 1922916

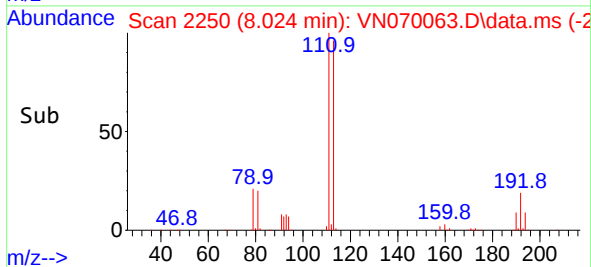
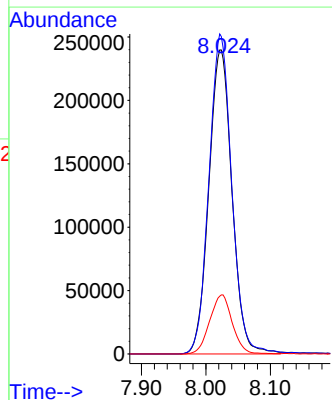
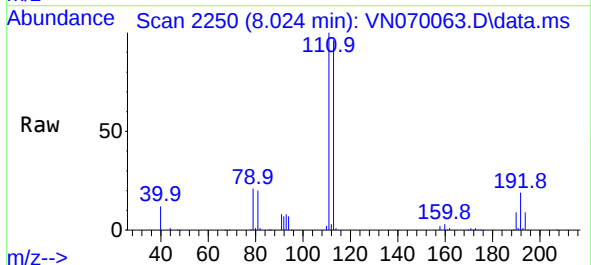
Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	37.8
88	16.2	0.0	27.4

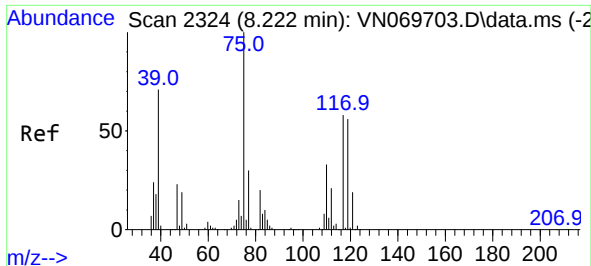


#35
Dibromofluoromethane
Concen: 49.717 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Tgt Ion:113 Resp: 598826

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	19.0	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.791 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN070063.D

Acq: 14 Dec 2021 10:59

Instrument :

MSVOA_N

ClientSampleId :

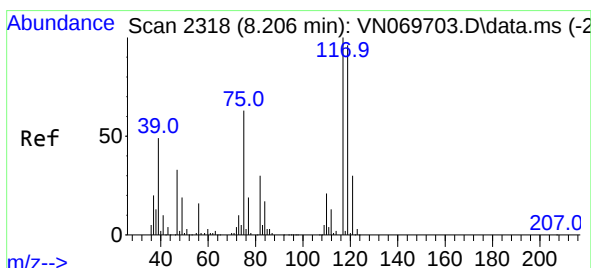
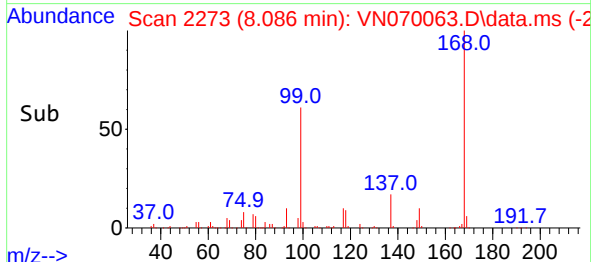
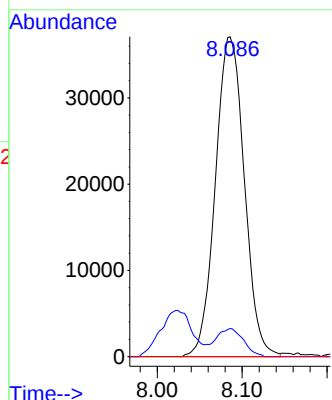
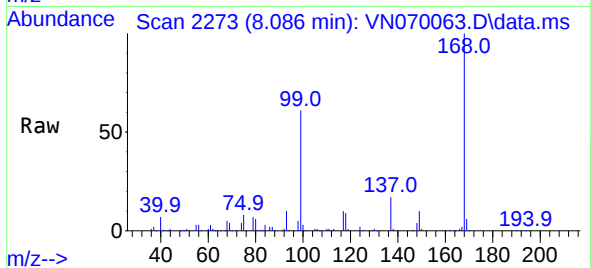
Tgt Ion: 75 Resp: 87708

Ion Ratio Lower Upper

75 100

110 8.1 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.670 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.121 min

Lab File: VN070063.D

Acq: 14 Dec 2021 10:59

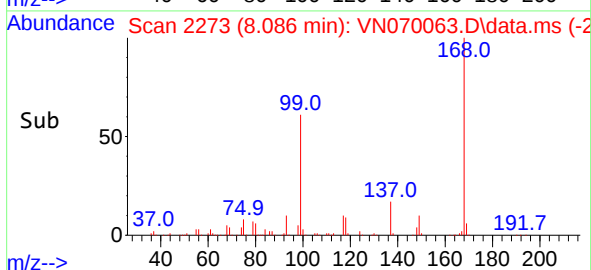
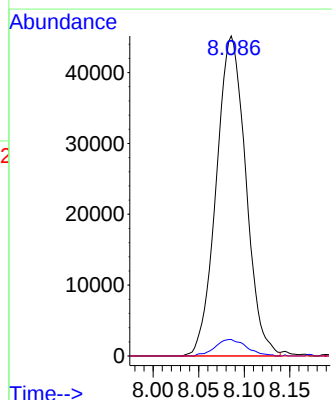
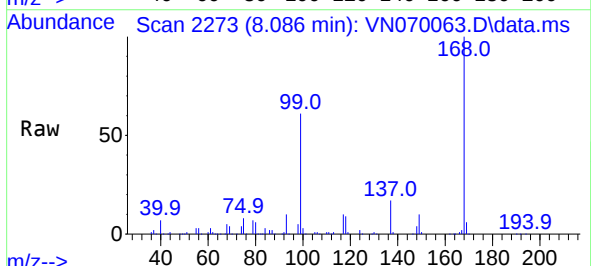
Tgt Ion: 117 Resp: 101790

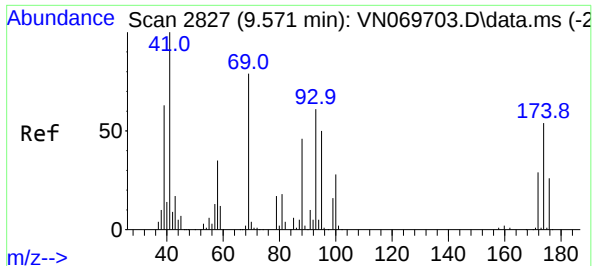
Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

121 0.0 24.2 36.2#

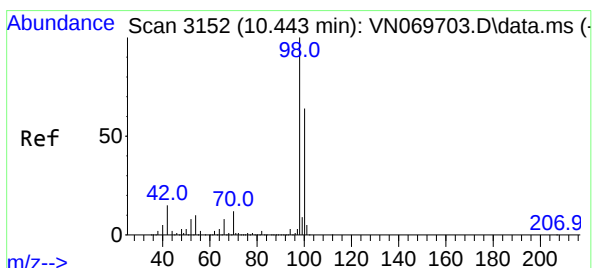
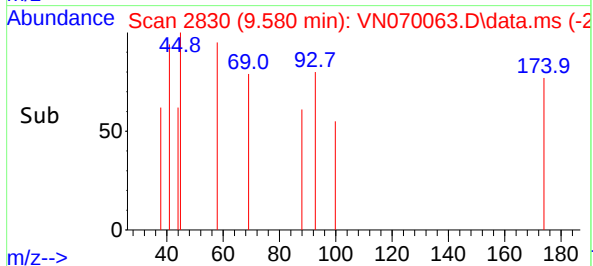
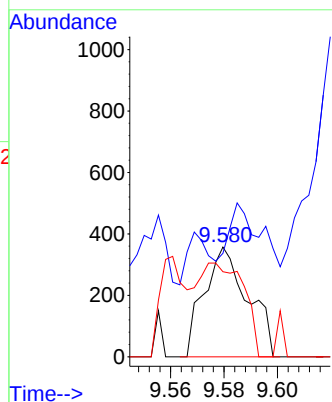
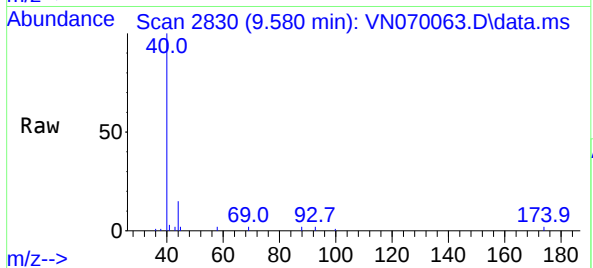




#49
1,4-Dioxane
Concen: 1.197 ug/l
RT: 9.580 min Scan# 21
Delta R.T. 0.008 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

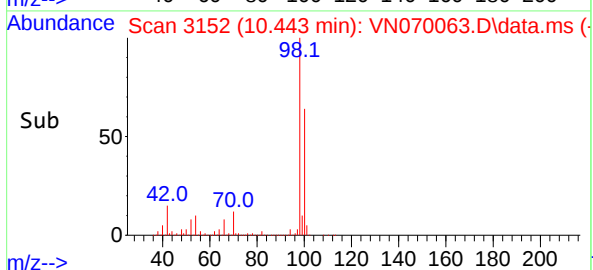
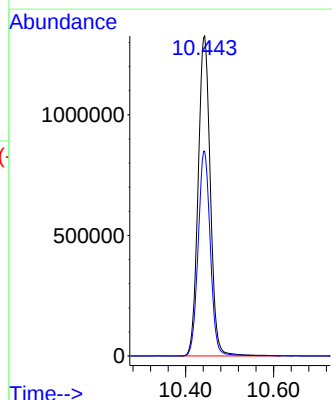
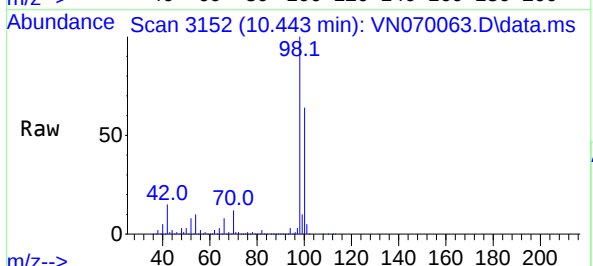
Instrument :
MSVOA_N
ClientSampleId :

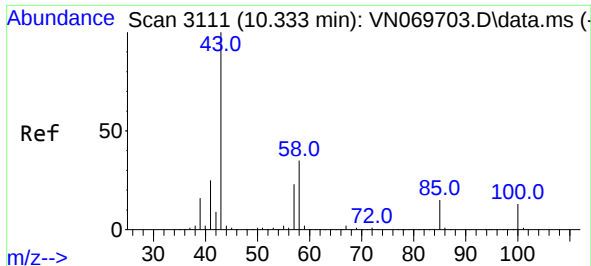
Tgt Ion: 88 Resp: 404
Ion Ratio Lower Upper
88 100
43 37.6 23.4 35.2#
58 83.4 50.6 75.8#



#50
Toluene-d8
Concen: 52.697 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Tgt Ion: 98 Resp: 2548609
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.371 ug/l

RT: 10.341 min Scan# 3114

Delta R.T. 0.008 min

Lab File: VN070063.D

Acq: 14 Dec 2021 10:59

Instrument :

MSVOA_N

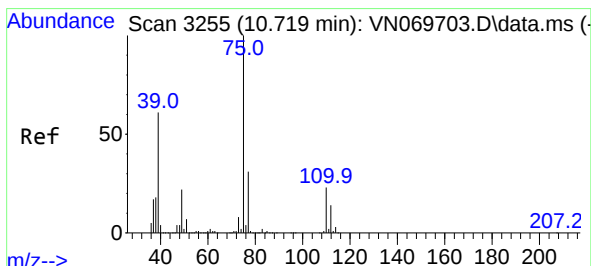
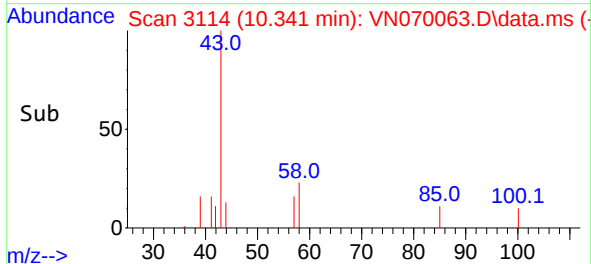
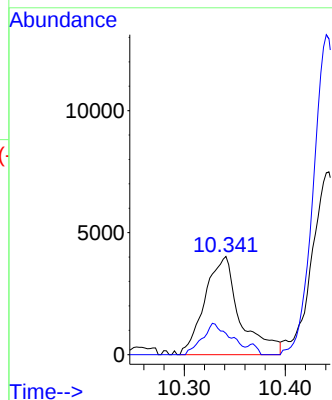
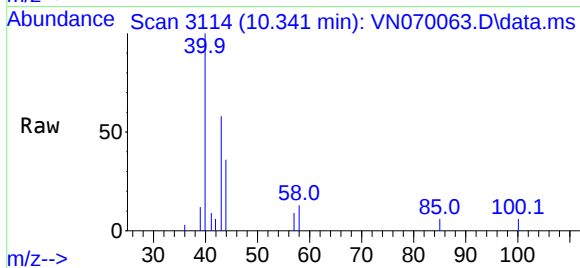
ClientSampleId :

Tgt Ion: 43 Resp: 9713

Ion Ratio Lower Upper

43 100

58 25.4 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.824 ug/l

RT: 10.719 min Scan# 3255

Delta R.T. 0.000 min

Lab File: VN070063.D

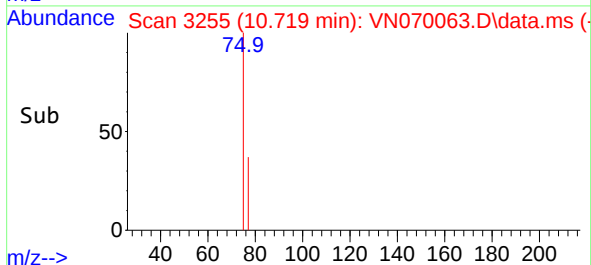
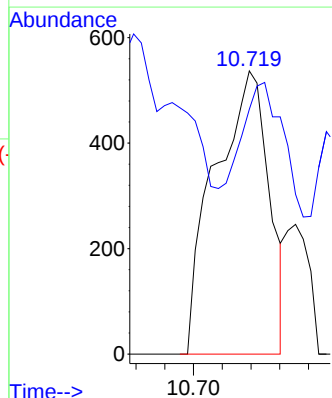
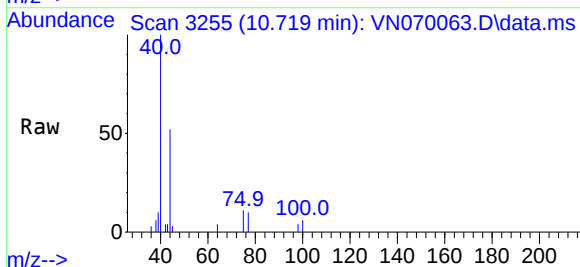
Acq: 14 Dec 2021 10:59

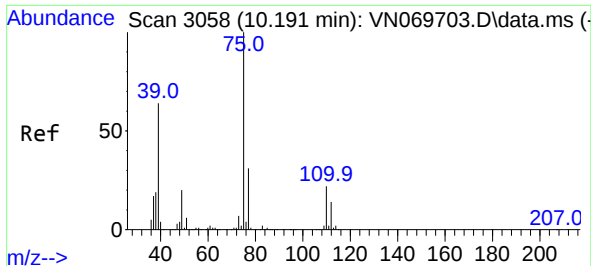
Tgt Ion: 75 Resp: 701

Ion Ratio Lower Upper

75 100

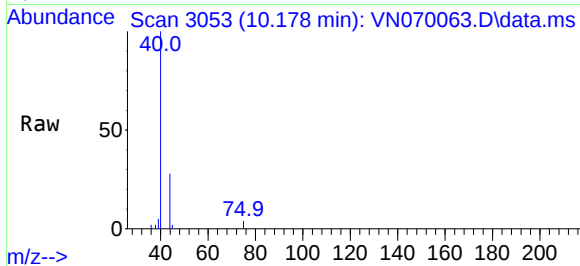
77 2.6 25.6 38.4#





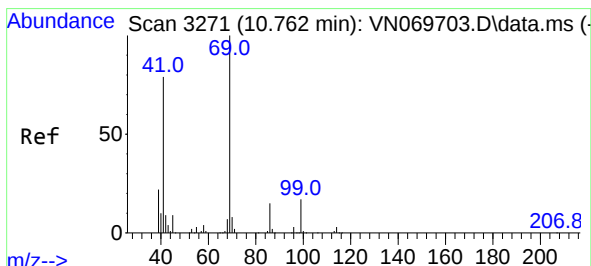
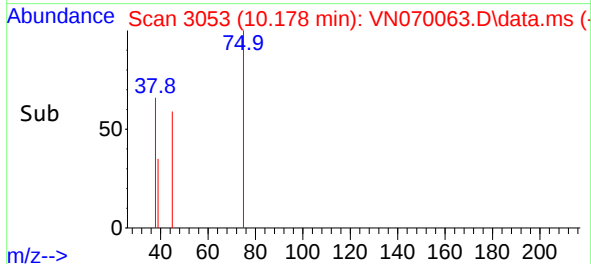
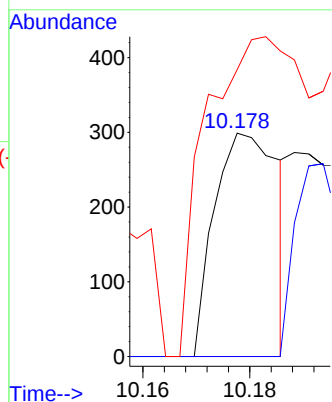
#54
 cis-1,3-Dichloropropene
 Concen: 2.009 ug/l
 RT: 10.178 min Scan# 3053
 Delta R.T. -0.013 min
 Lab File: VN070063.D
 Acq: 14 Dec 2021 10:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 247

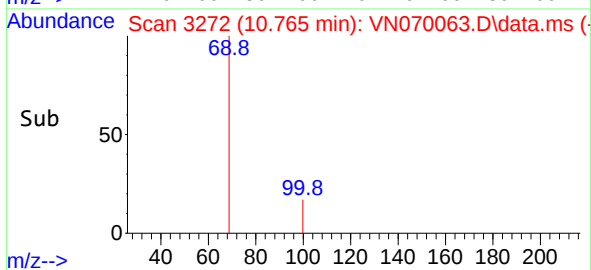
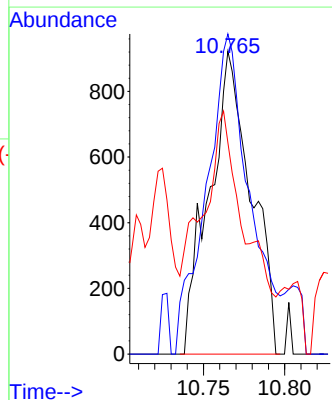
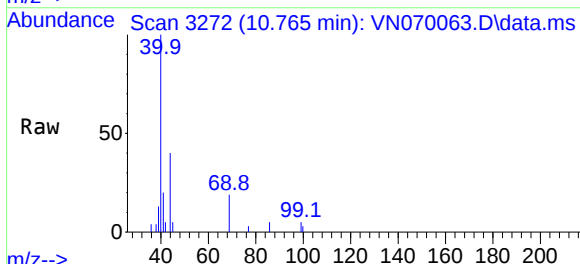
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.4	39.6#
39	128.4	42.5	63.7#

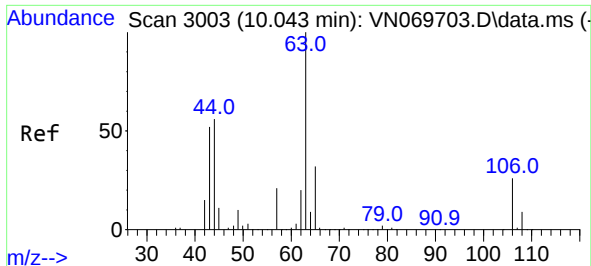


#56
 Ethyl methacrylate
 Concen: 2.340 ug/l
 RT: 10.765 min Scan# 3272
 Delta R.T. 0.003 min
 Lab File: VN070063.D
 Acq: 14 Dec 2021 10:59

Tgt Ion: 69 Resp: 1652

Ion	Ratio	Lower	Upper
69	100		
41	109.6	51.4	77.0#
39	56.4	34.6	52.0#

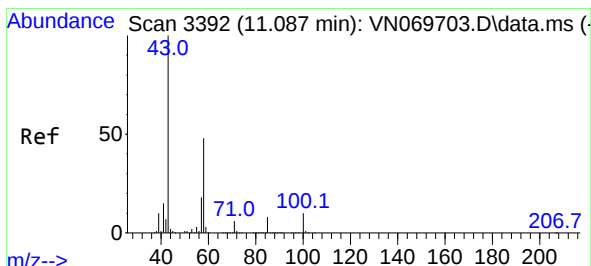
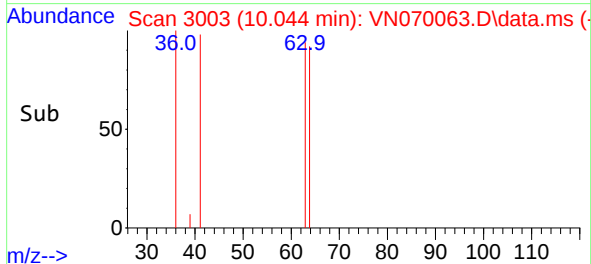
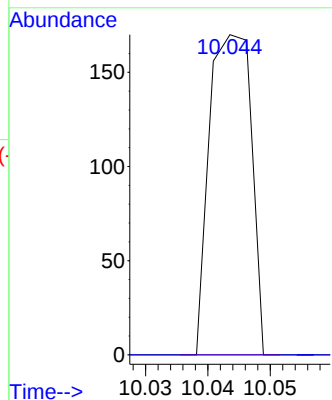
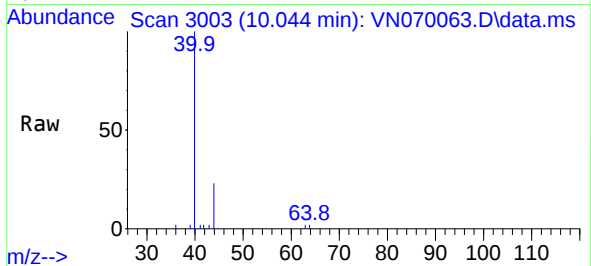




#58
2-Chloroethyl Vinyl ether
Concen: 18.399 ug/l
RT: 10.044 min Scan# 3003
Delta R.T. 0.001 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

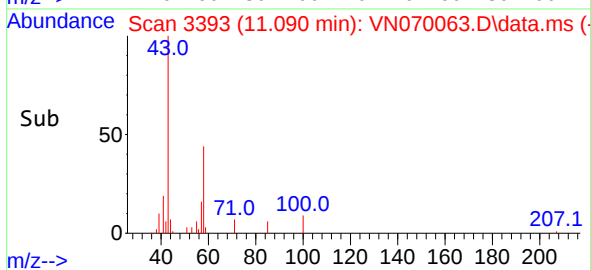
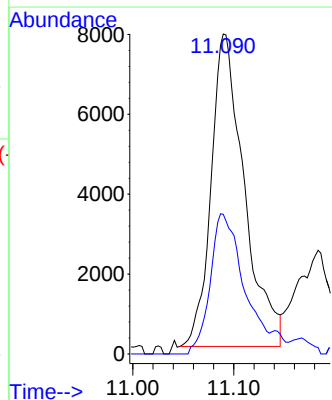
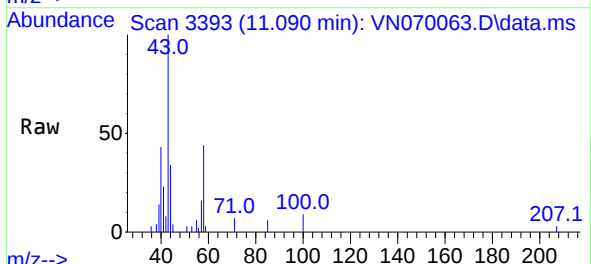
Instrument :
MSVOA_N
ClientSampleId :

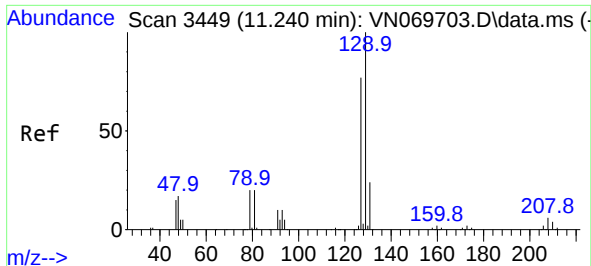
Tgt Ion: 63 Resp: 79
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.901 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Tgt Ion: 43 Resp: 17825
Ion Ratio Lower Upper
43 100
58 45.1 26.9 80.7

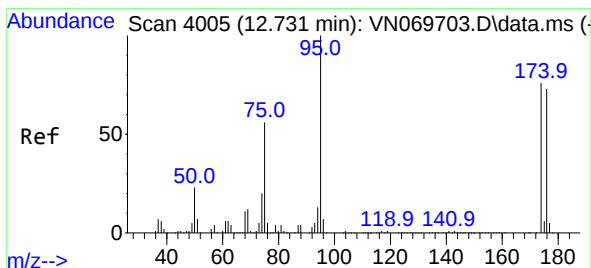
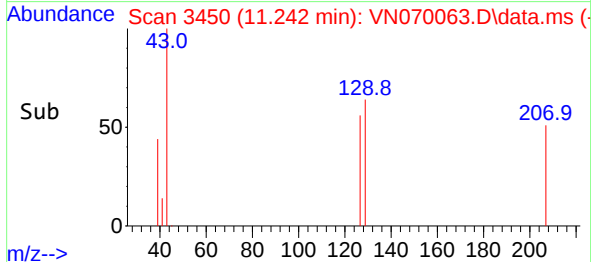
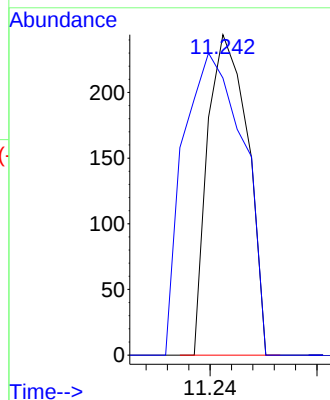
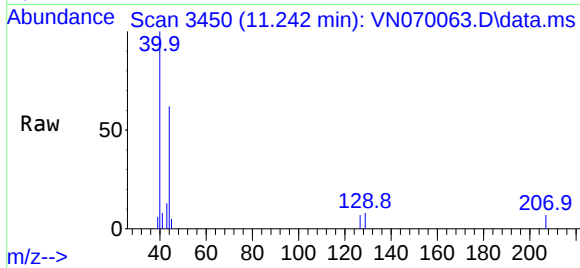




#60
Dibromochloromethane
Concen: 2.384 ug/l
RT: 11.242 min Scan# 3449
Delta R.T. 0.002 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

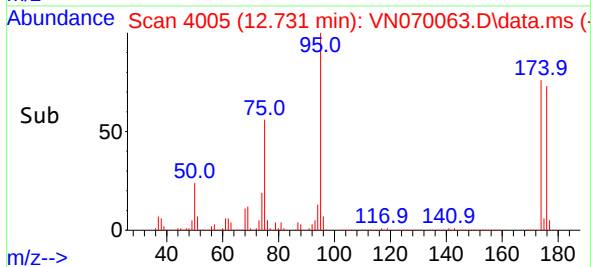
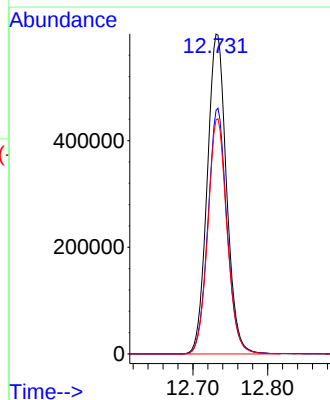
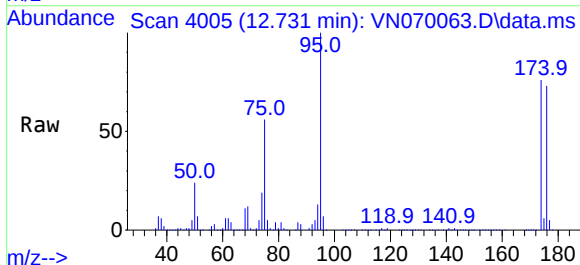
Instrument :
MSVOA_N
ClientSampleId :

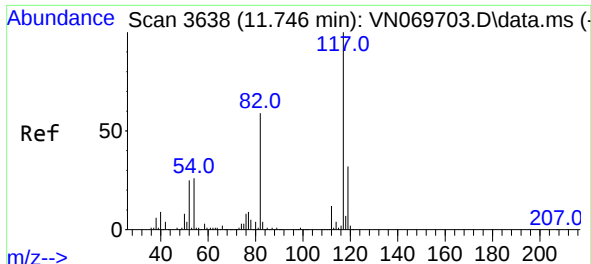
Tgt Ion:129 Resp: 127
Ion Ratio Lower Upper
129 100
127 141.7 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 61.366 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

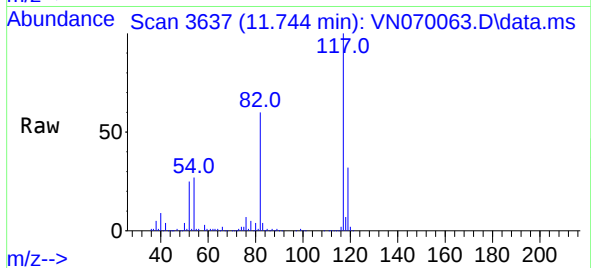
Tgt Ion: 95 Resp: 1075193
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.1 0.0 181.4





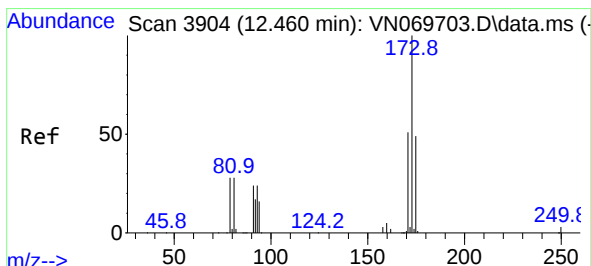
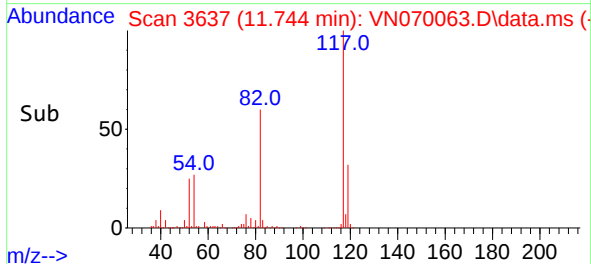
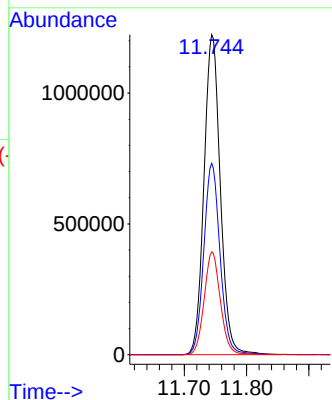
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 301
Delta R.T. -0.002 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 2229704

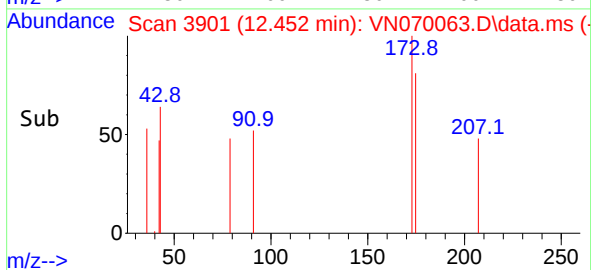
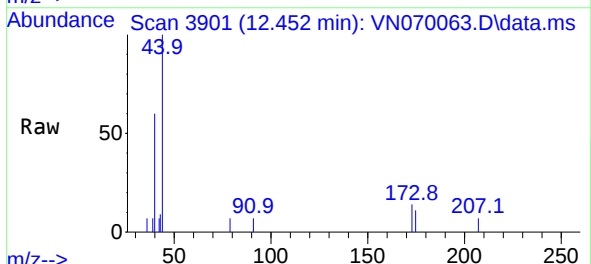
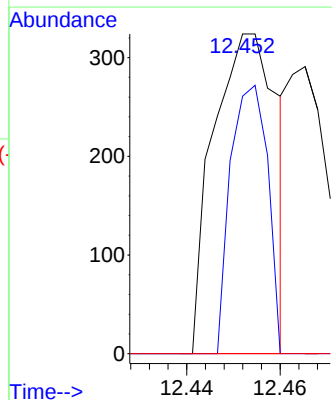
Ion	Ratio	Lower	Upper
117	100		
82	59.8	42.4	63.6
119	32.2	25.4	38.2

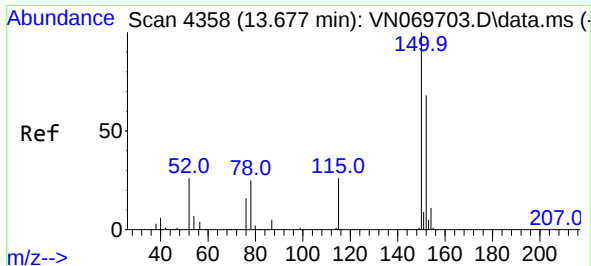


#71
Bromoform
Concen: 2.752 ug/l
RT: 12.452 min Scan# 3901
Delta R.T. -0.008 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Tgt Ion:173 Resp: 305

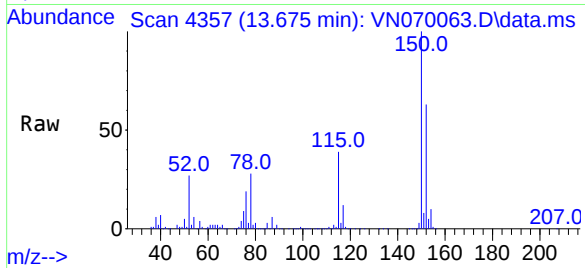
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6
254	0.0	0.0	0.0



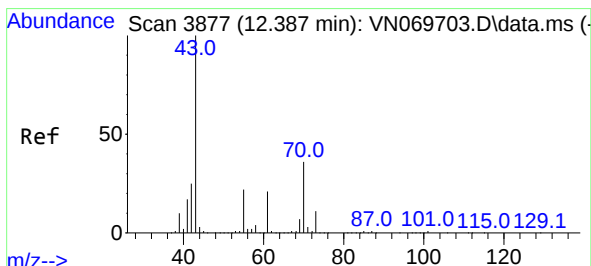
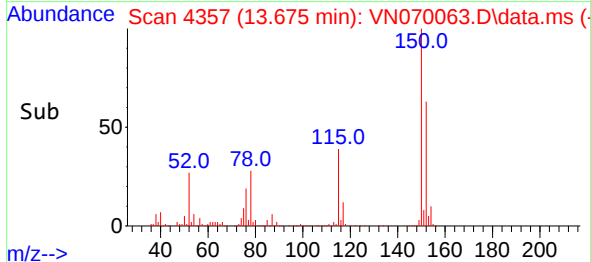
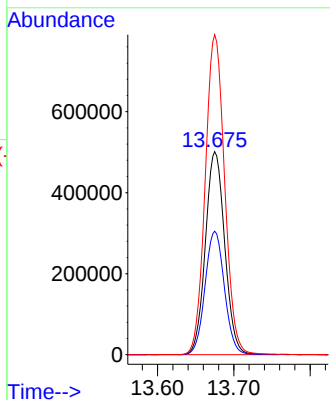


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Instrument :
MSVOA_N
ClientSampleId :

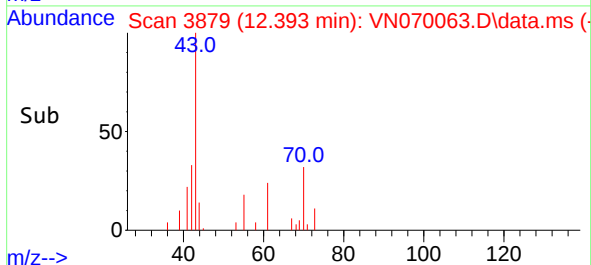
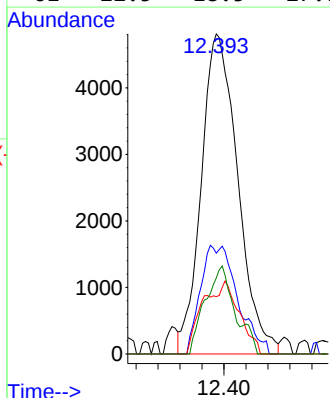
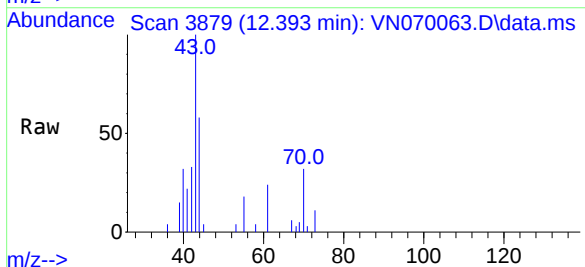


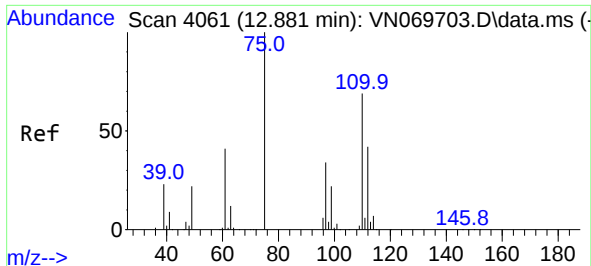
Tgt Ion:152 Resp: 885559
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 157.1 0.0 344.4



#74
N-ethyl acetate
Concen: 0.318 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.006 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Tgt Ion: 43 Resp: 11082
Ion Ratio Lower Upper
43 100
70 15.5 33.4 50.0#
55 7.4 19.3 28.9#
61 22.5 18.5 27.7

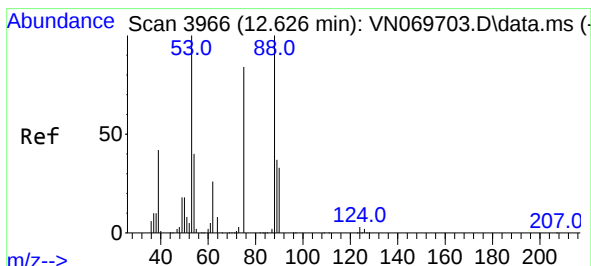
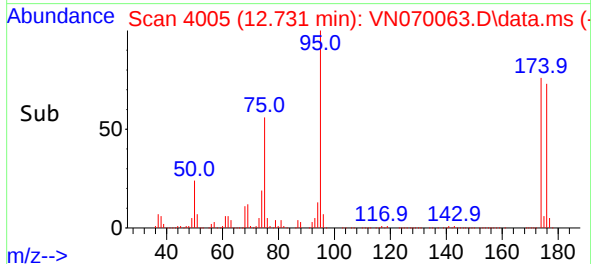
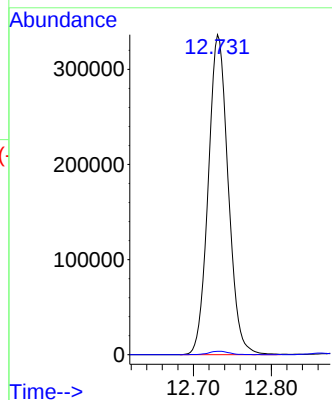
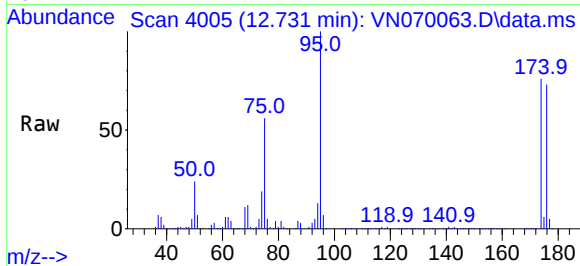




#76
1,2,3-Trichloropropane
Concen: 23.572 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

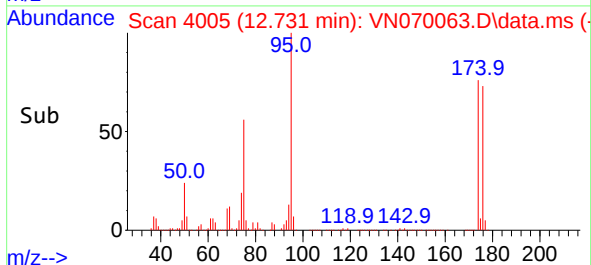
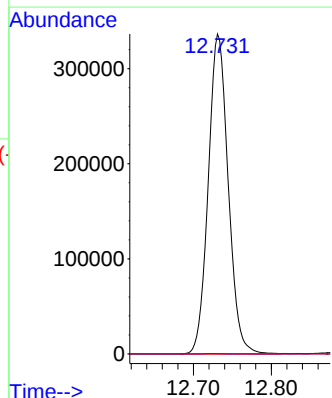
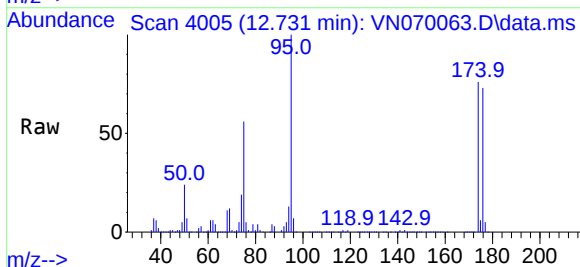
Instrument :
MSVOA_N
ClientSampleId :

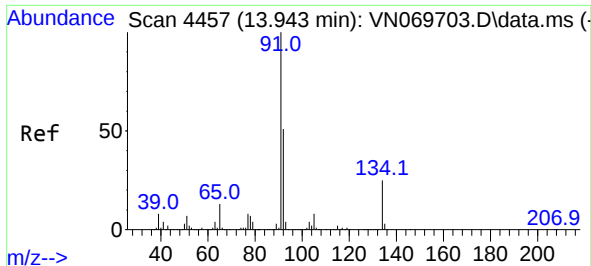
Tgt Ion: 75 Resp: 598641
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.945 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

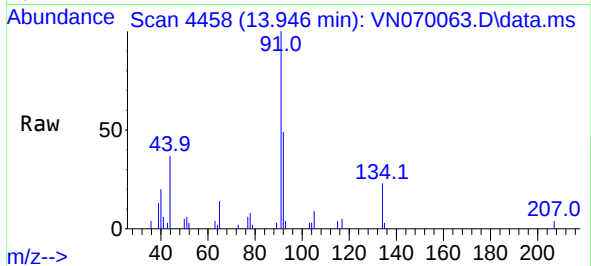
Tgt Ion: 75 Resp: 598641
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



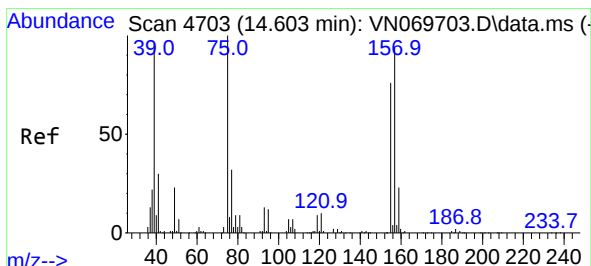
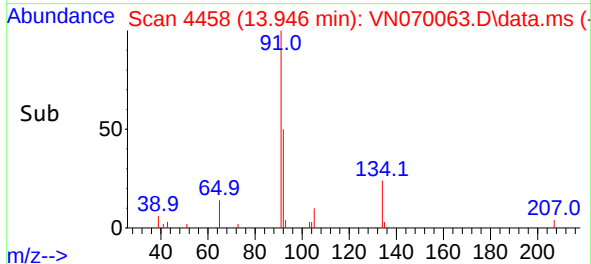
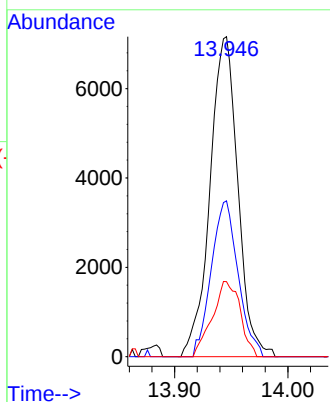


#89
n-Butylbenzene
Concen: 0.254 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

Instrument :
MSVOA_N
ClientSampleId :

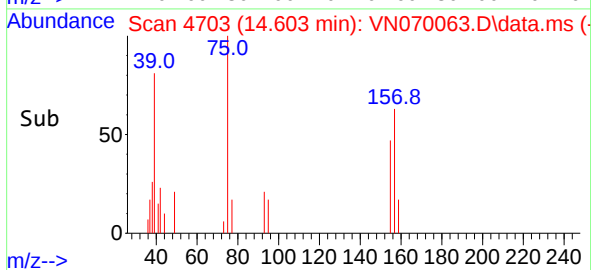
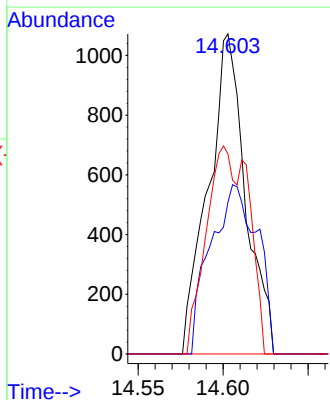
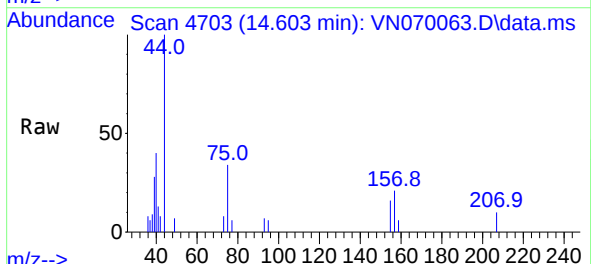


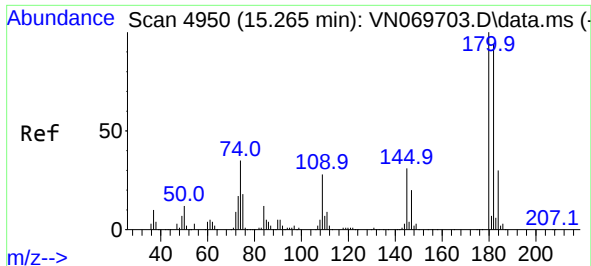
Tgt Ion: 91 Resp: 12245
Ion Ratio Lower Upper
91 100
92 46.8 25.4 76.0
134 23.5 13.6 40.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.333 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

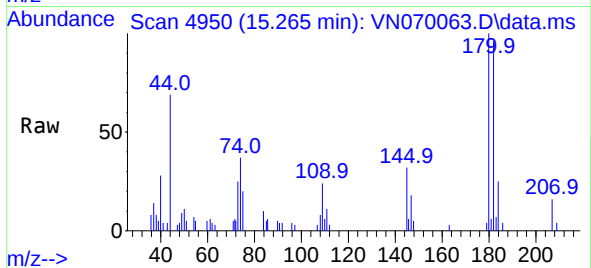
Tgt Ion: 75 Resp: 1639
Ion Ratio Lower Upper
75 100
155 66.1 46.9 140.7
157 51.9 60.6 181.7#



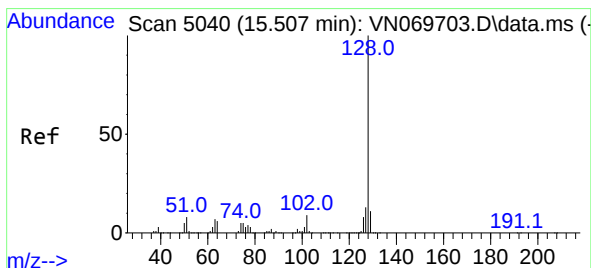
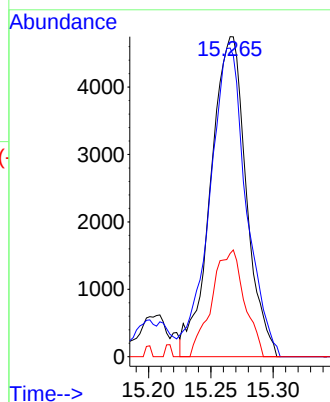
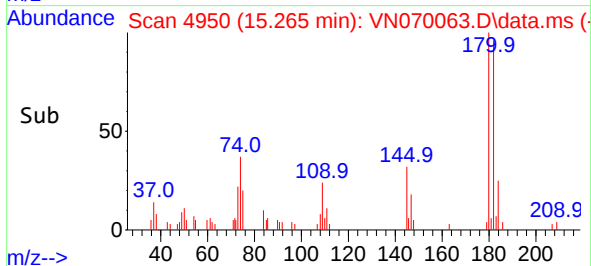


#93
1,2,4-Trichlorobenzene
Concen: 3.488 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59

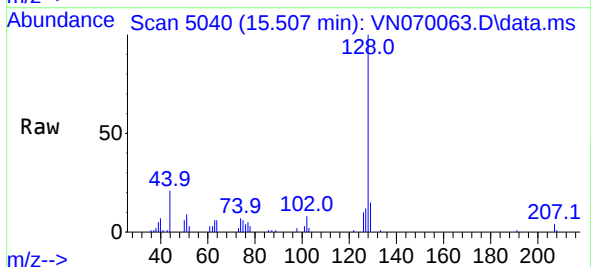
Instrument :
MSVOA_N
ClientSampleId :



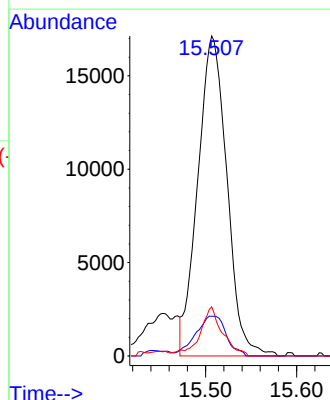
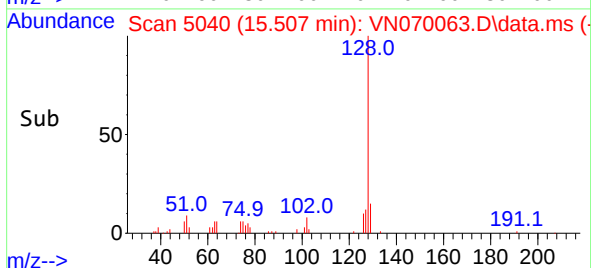
Tgt Ion:180 Resp: 9399
Ion Ratio Lower Upper
180 100
182 99.7 48.3 144.9
145 30.6 14.5 43.5

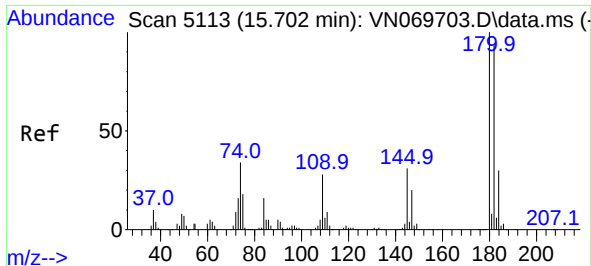


#95
Naphthalene
Concen: 4.794 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070063.D
Acq: 14 Dec 2021 10:59



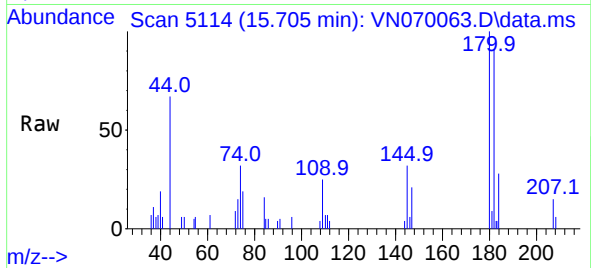
Tgt Ion:128 Resp: 38051
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 12.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.154 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN070063.D
 Acq: 14 Dec 2021 10:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 10689
 Ion Ratio Lower Upper
 180 100
 182 100.8 47.4 142.2
 145 12.5 15.0 45.1#

