

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021622\
 Data File : VN070959.D
 Acq On : 16 Feb 2022 15:48
 Operator : JC\MD
 Sample : N1573-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Quant Time: Feb 17 04:11:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

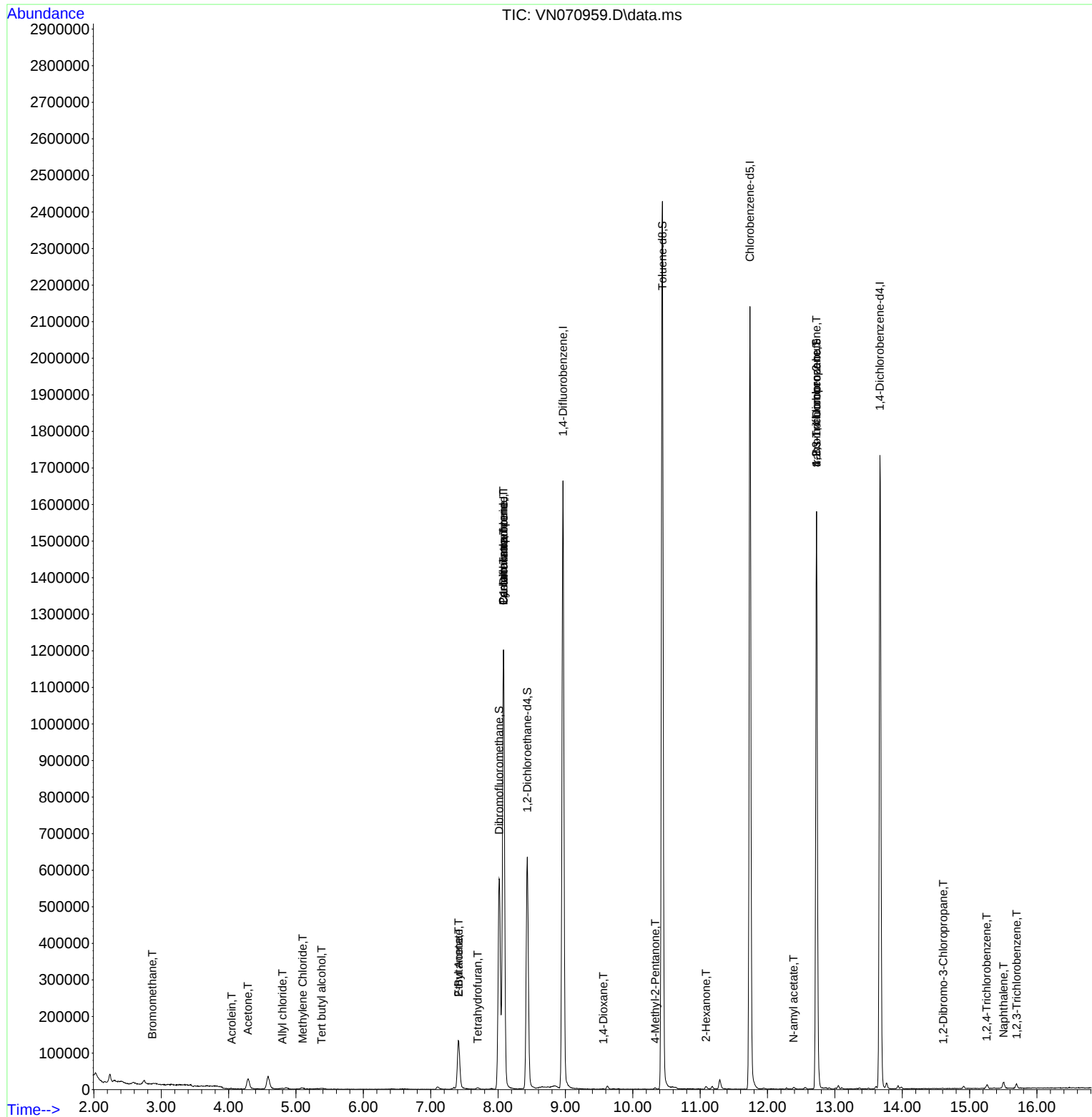
Internal Standards						
1) Pentafluorobenzene	8.081	168	967449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1456829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1298503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	508017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	525808	47.579	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.160%		
35) Dibromofluoromethane	8.016	113	430973	49.736	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.480%		
50) Toluene-d8	10.439	98	1717952	49.368	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.740%		
62) 4-Bromofluorobenzene	12.727	95	558862	44.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.860%		
Target Compounds						Qvalue
5) Bromomethane	2.869	94	2423	0.337	ug/l #	80
11) Tert butyl alcohol	5.381	59	2416	1.200	ug/l #	71
13) Acrolein	4.045	56	1084	0.602	ug/l	93
14) Allyl chloride	4.798	41	4251	0.235	ug/l #	26
16) Acetone	4.287	43	51268	8.424	ug/l	98
18) Methyl Acetate	4.857	43	7113	Below Cal		92
20) Methylene Chloride	5.098	84	2627	0.237	ug/l #	84
25) 2-Butanone	7.416	43	210029	25.941	ug/l #	48
29) Tetrahydrofuran	7.698	42	3459	0.659	ug/l	91
31) Cyclohexane	8.081	56	17559	0.919	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	71239	5.018	ug/l #	49
37) Ethyl Acetate	7.416	43	210029	13.795	ug/l	99
38) Carbon Tetrachloride	8.081	117	91303	6.527	ug/l #	16
49) 1,4-Dioxane	9.563	88	124	0.615	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	3141	0.215	ug/l	94
59) 2-Hexanone	11.086	43	6865	0.684	ug/l	89
74) N-amyl acetate	12.386	43	3495	0.267	ug/l #	90
76) 1,2,3-Trichloropropane	12.727	75	276435	23.111	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	276435	74.889	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	14.609	75	512	0.243	ug/l	69
93) 1,2,4-Trichlorobenzene	15.251	180	4249	2.435	ug/l	99
95) Naphthalene	15.504	128	17192	5.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	5437	3.115	ug/l	98

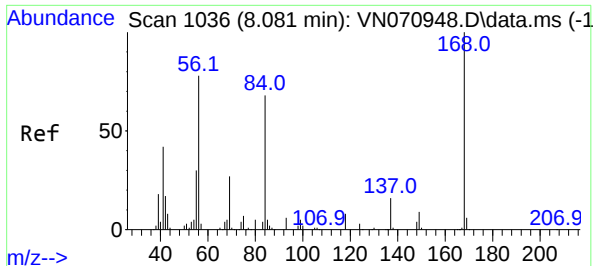
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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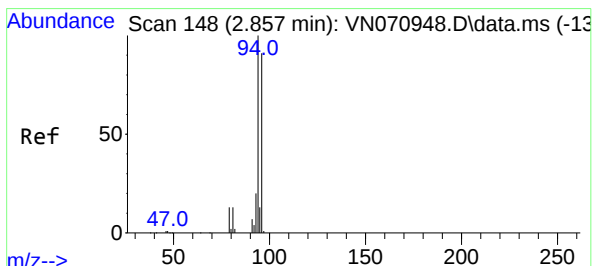
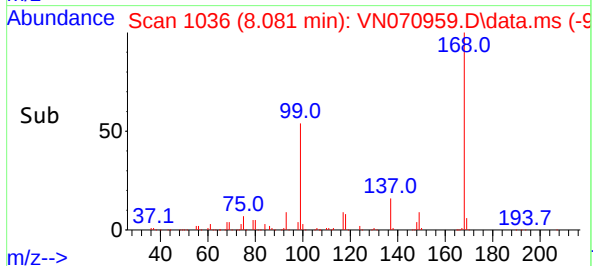
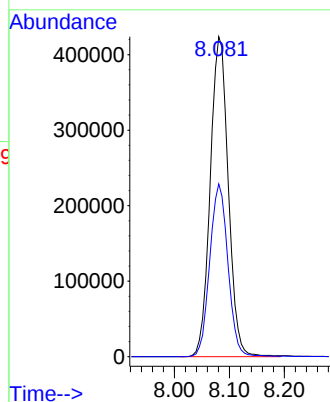
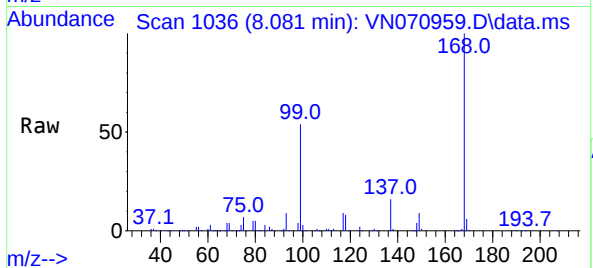




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

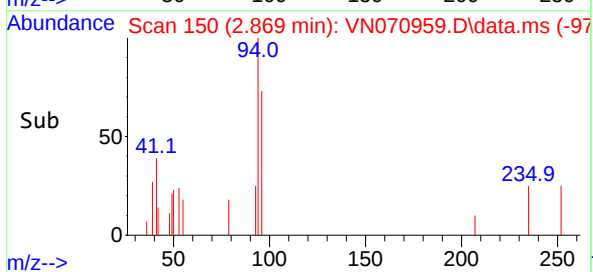
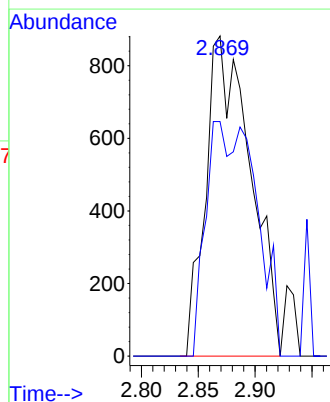
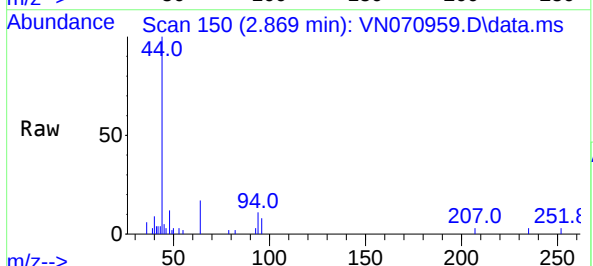
Instrument :
MSVOA_N
ClientSampleId :
MW-12

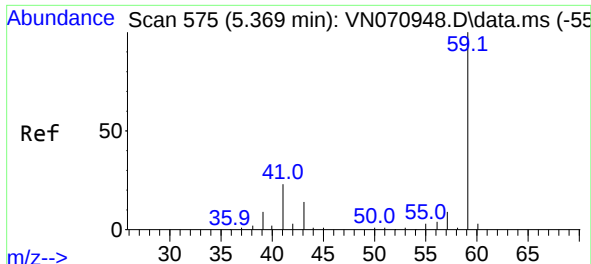
Tgt Ion:168 Resp: 967449
Ion Ratio Lower Upper
168 100
99 54.0 41.3 61.9



#5
Bromomethane
Concen: 0.337 ug/l
RT: 2.869 min Scan# 150
Delta R.T. 0.012 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 94 Resp: 2423
Ion Ratio Lower Upper
94 100
96 73.2 73.8 110.8#

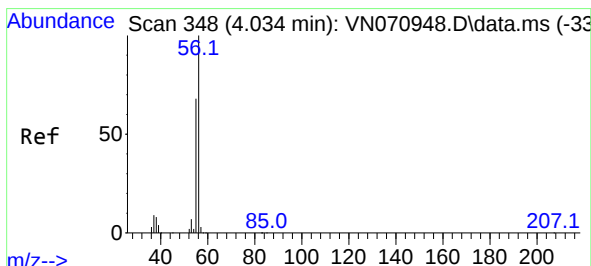
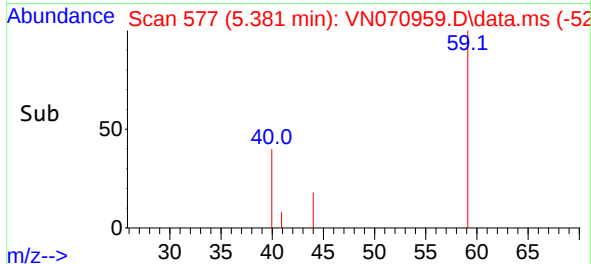
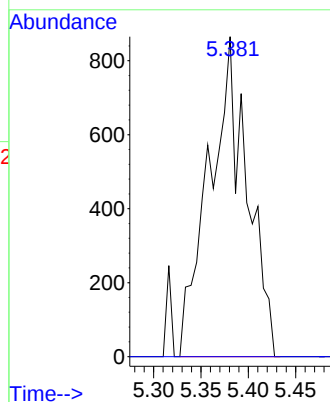
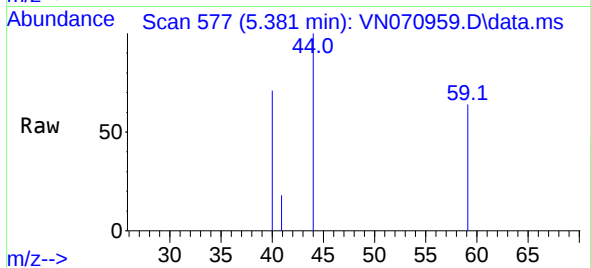




#11
Tert butyl alcohol
Concen: 1.200 ug/l
RT: 5.381 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

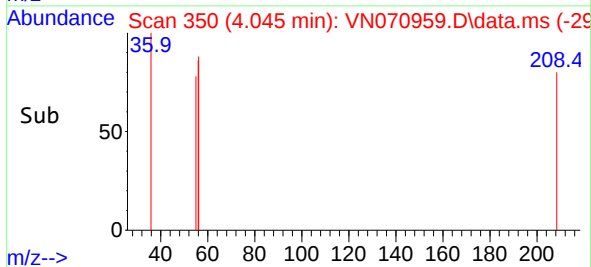
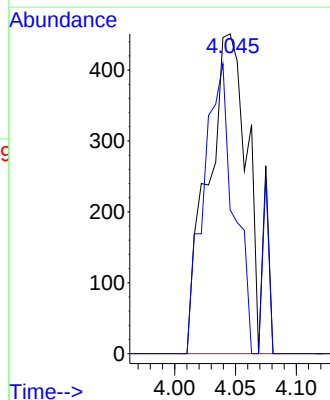
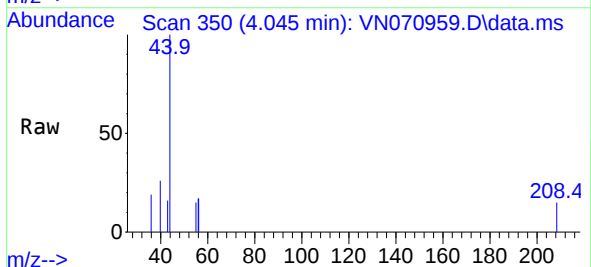
Instrument :
MSVOA_N
ClientSampleId :
MW-12

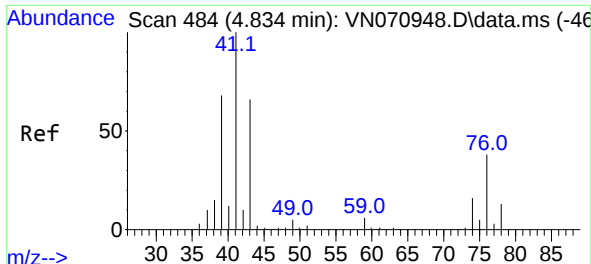
Tgt Ion: 59 Resp: 2416
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.602 ug/l
RT: 4.045 min Scan# 350
Delta R.T. 0.011 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 56 Resp: 1084
Ion Ratio Lower Upper
56 100
55 65.0 56.6 85.0

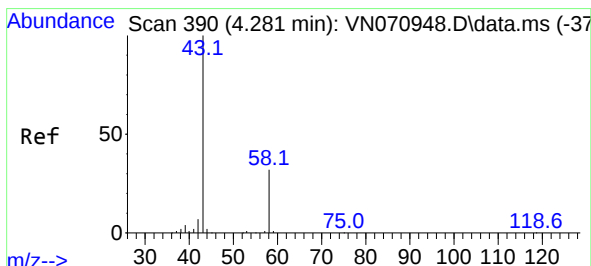
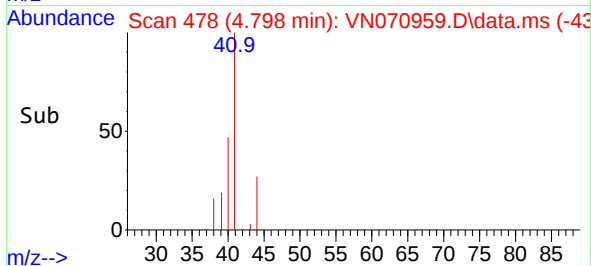
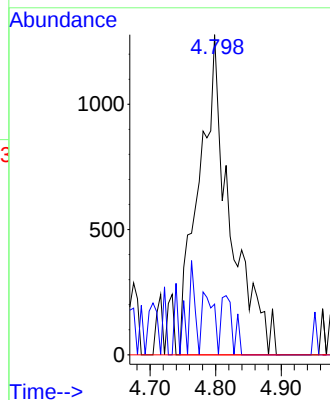
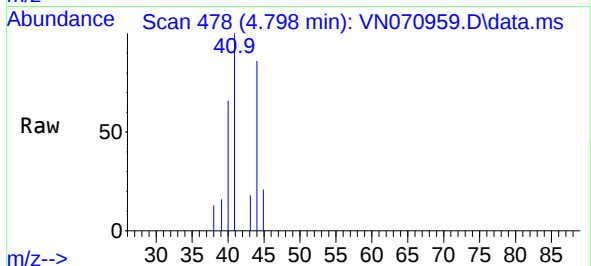




#14
 Allyl chloride
 Concen: 0.235 ug/l
 RT: 4.798 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: VN070959.D
 Acq: 16 Feb 2022 15:48

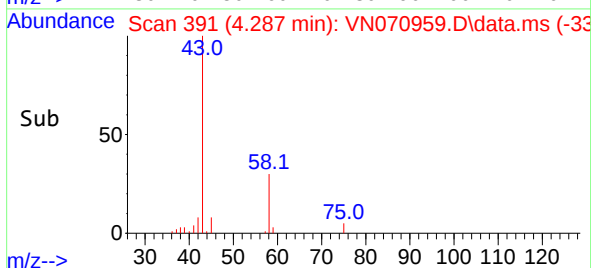
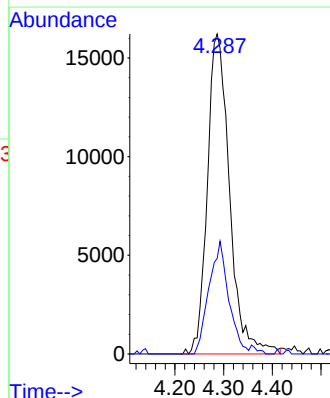
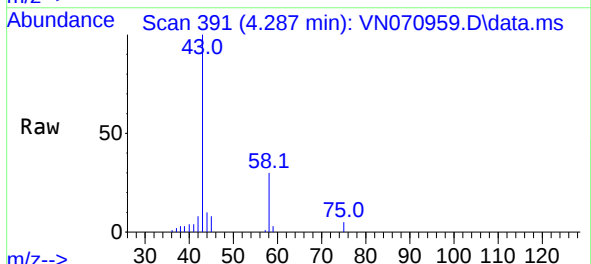
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

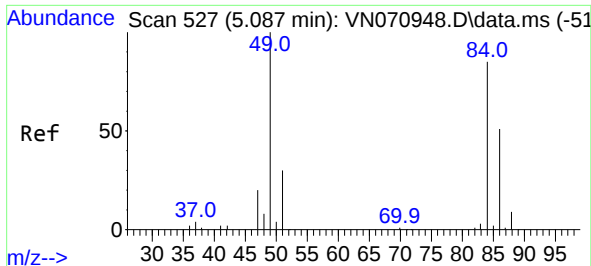
Tgt Ion:	41	Resp:	4251
Ion	Ratio	Lower	Upper
41	100		
39	7.2	61.2	91.8#
76	0.0	26.0	39.0#



#16
 Acetone
 Concen: 8.424 ug/l
 RT: 4.287 min Scan# 391
 Delta R.T. 0.006 min
 Lab File: VN070959.D
 Acq: 16 Feb 2022 15:48

Tgt Ion:	43	Resp:	51268
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.1	34.7

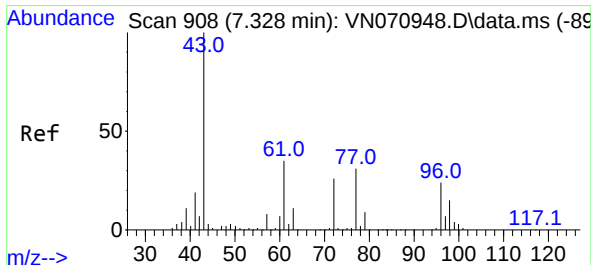
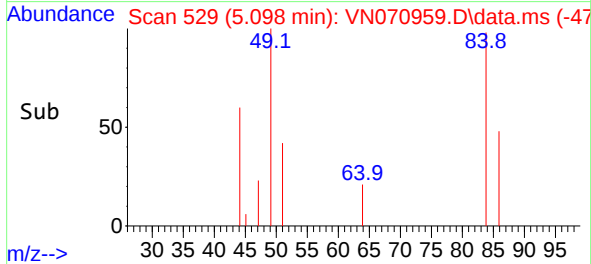
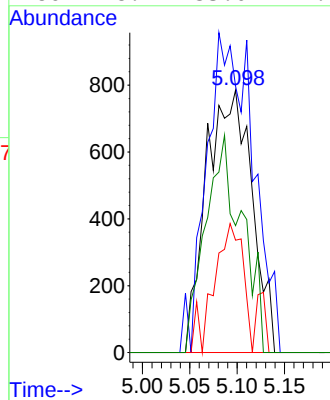
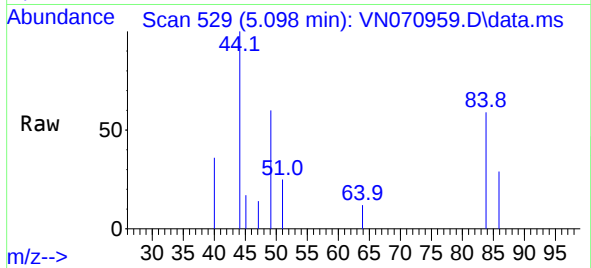




#20
Methylene Chloride
Concen: 0.237 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

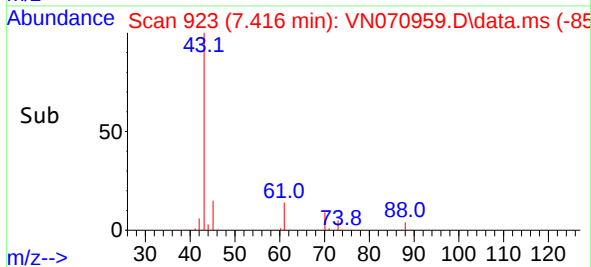
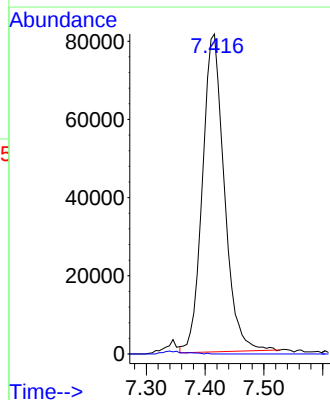
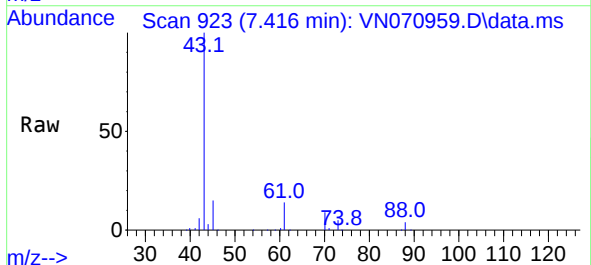
Instrument :
MSVOA_N
ClientSampleId :
MW-12

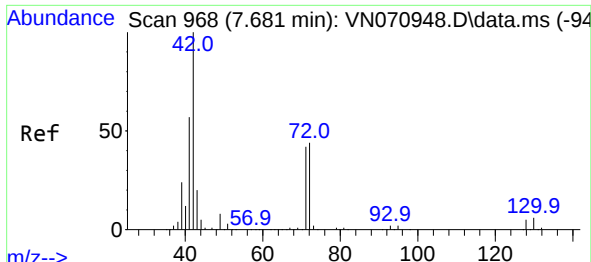
Tgt Ion:	84	Resp:	2627
Ion	Ratio	Lower	Upper
84	100		
49	101.5	93.5	140.3
51	42.8	29.4	44.2
86	48.4	53.0	79.4



#25
2-Butanone
Concen: 25.941 ug/l
RT: 7.416 min Scan# 923
Delta R.T. 0.088 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion:	43	Resp:	210029
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.659 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN070959.D

Acq: 16 Feb 2022 15:48

Instrument :

MSVOA_N

ClientSampleId :

MW-12

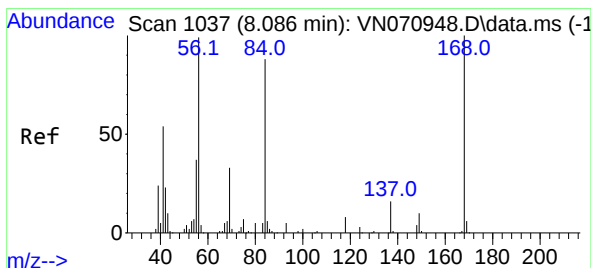
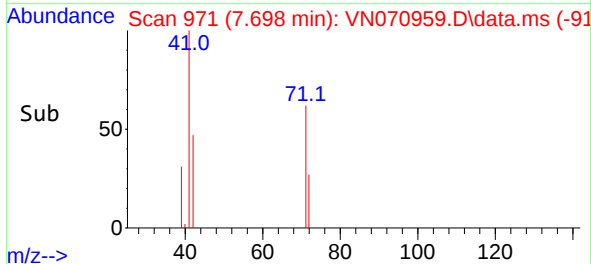
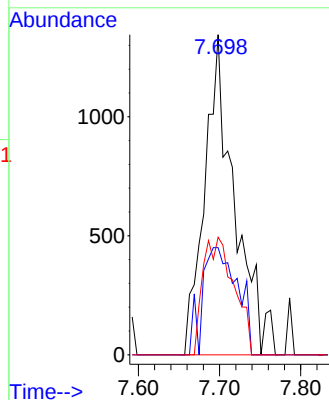
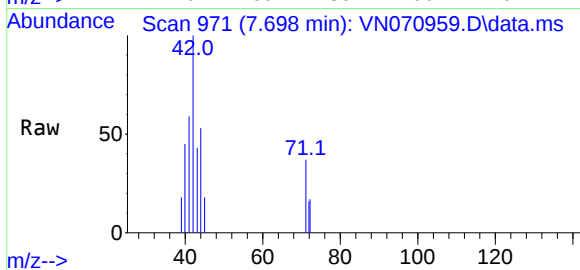
Tgt Ion: 42 Resp: 3459

Ion Ratio Lower Upper

42 100

72 39.0 36.3 54.5

71 38.0 34.7 52.1



#31

Cyclohexane

Concen: 0.919 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN070959.D

Acq: 16 Feb 2022 15:48

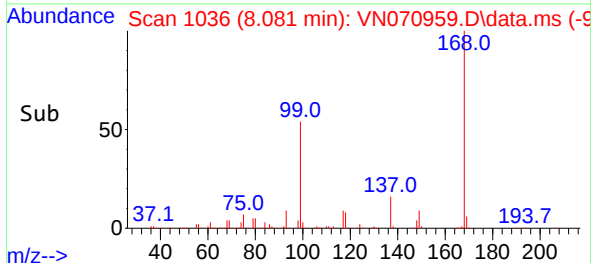
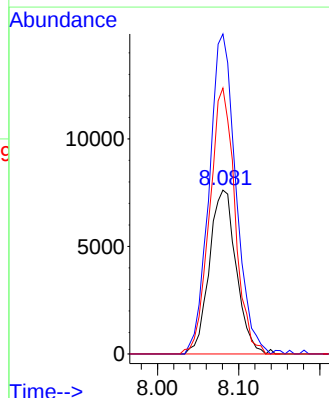
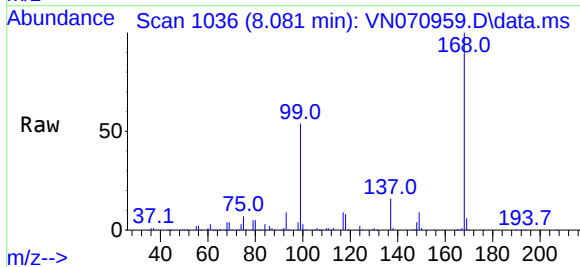
Tgt Ion: 56 Resp: 17559

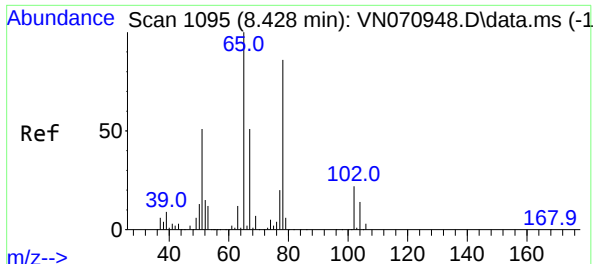
Ion Ratio Lower Upper

56 100

69 195.4 27.1 40.7#

84 162.4 73.4 110.0#

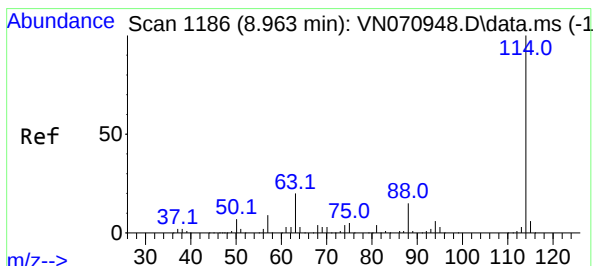
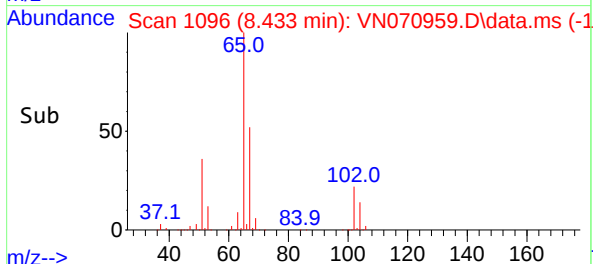
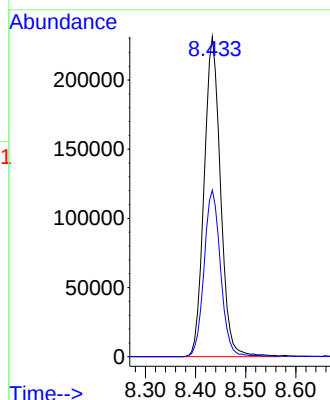
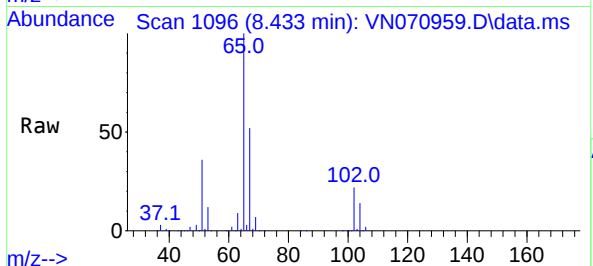




#33
1,2-Dichloroethane-d4
Concen: 47.579 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

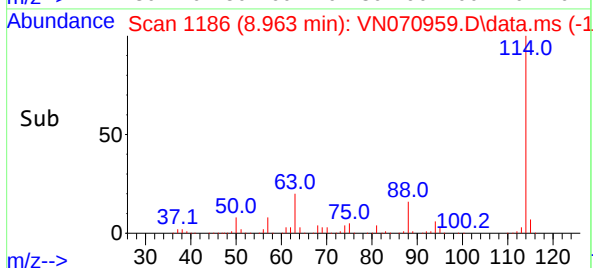
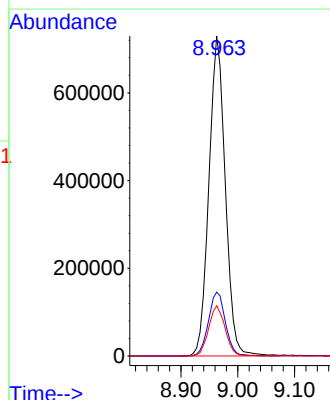
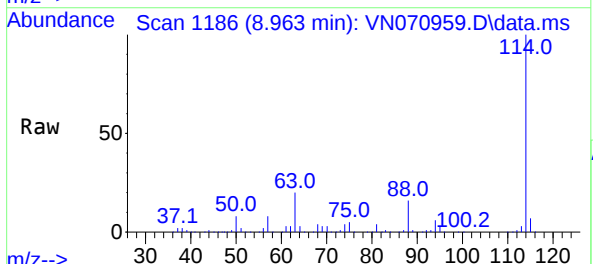
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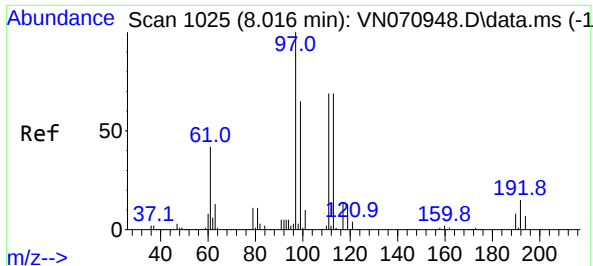
Tgt Ion: 65 Resp: 525808
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 114 Resp: 1456829
Ion Ratio Lower Upper
114 100
63 20.0 0.0 37.8
88 15.7 0.0 27.4

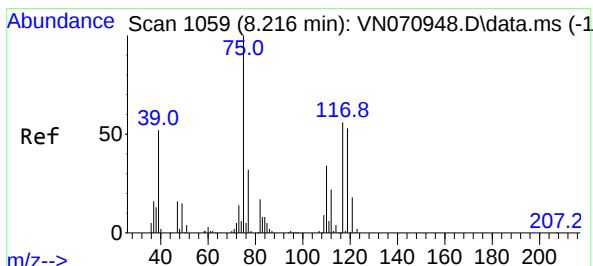
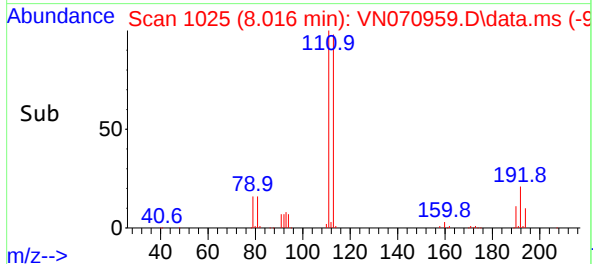
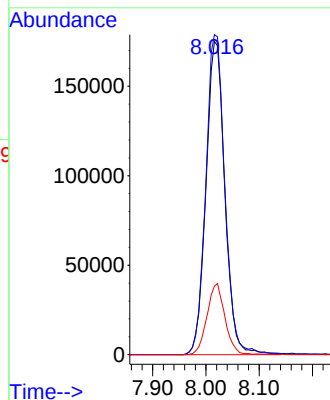
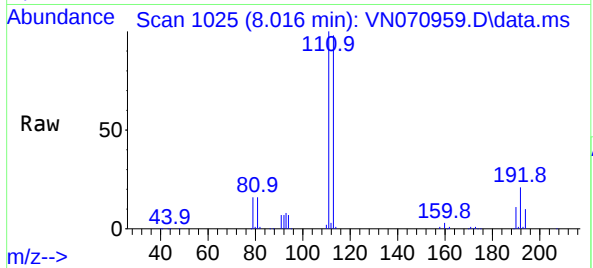




#35
Dibromofluoromethane
Concen: 49.736 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

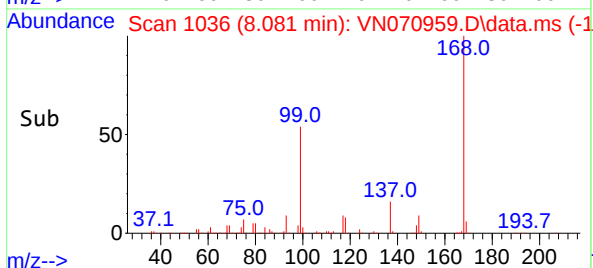
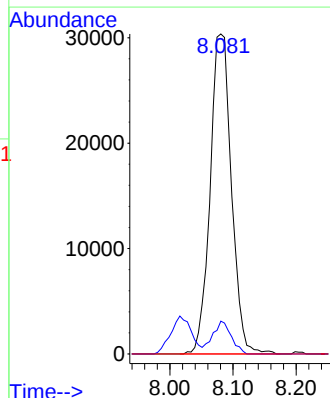
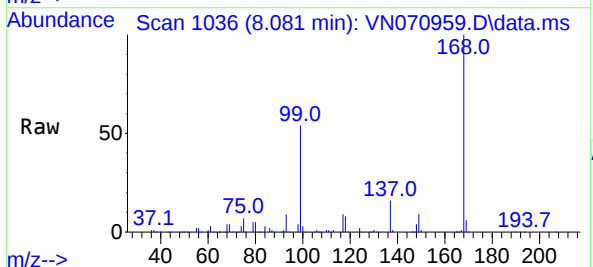
Instrument :
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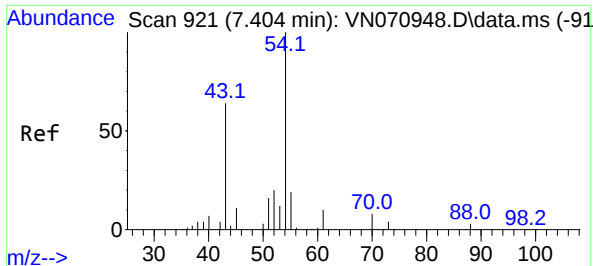
Tgt Ion:113 Resp: 430973
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 21.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.018 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 75 Resp: 71239
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#

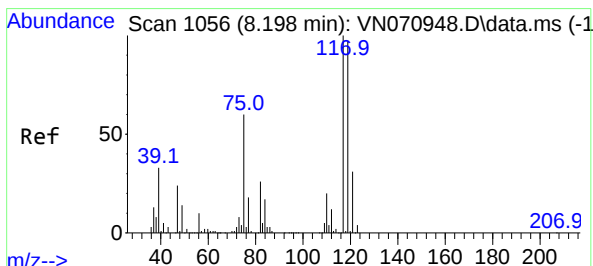
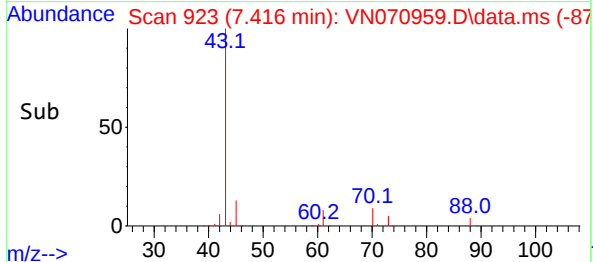
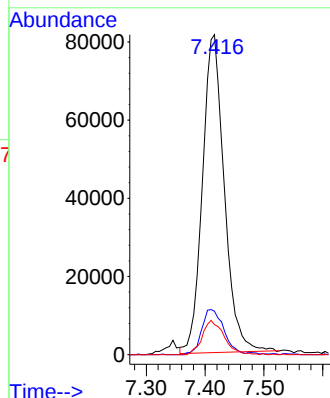
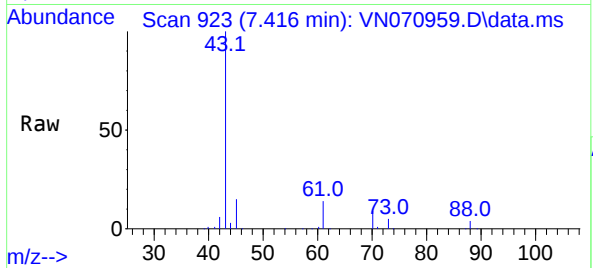




#37
Ethyl Acetate
Concen: 13.795 ug/l
RT: 7.416 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

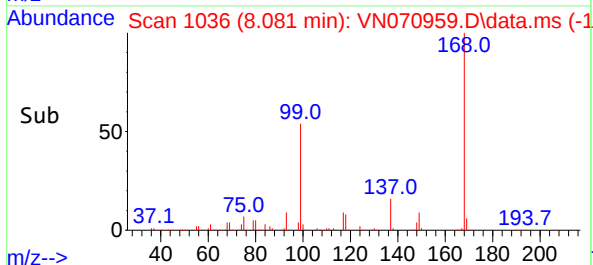
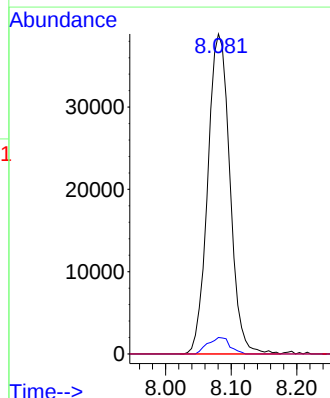
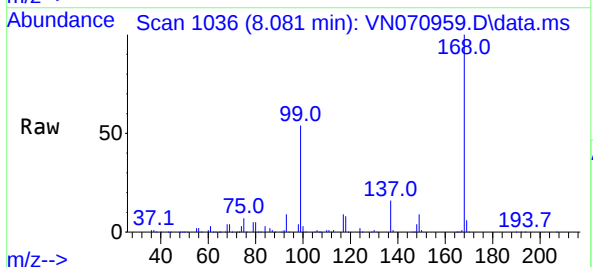
Instrument :
MSVOA_N
ClientSampleId :
MW-12

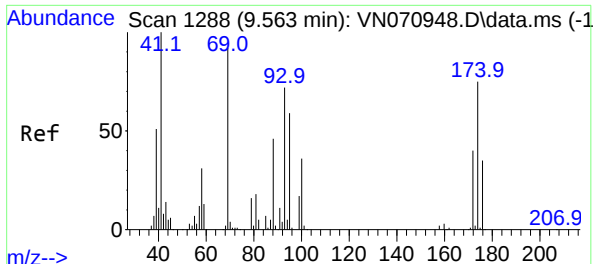
Tgt Ion: 43 Resp: 210029
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 10.7 7.9 11.9



#38
Carbon Tetrachloride
Concen: 6.527 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

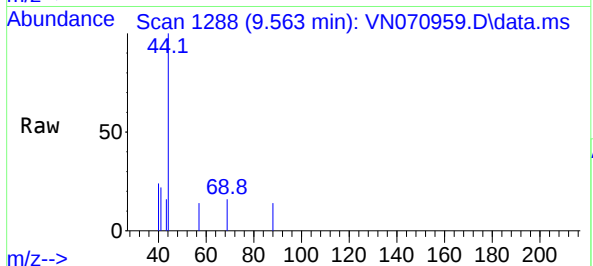
Tgt Ion: 117 Resp: 91303
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



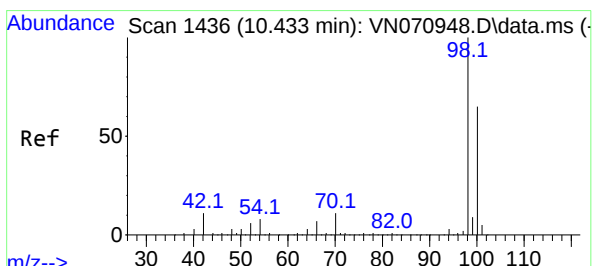
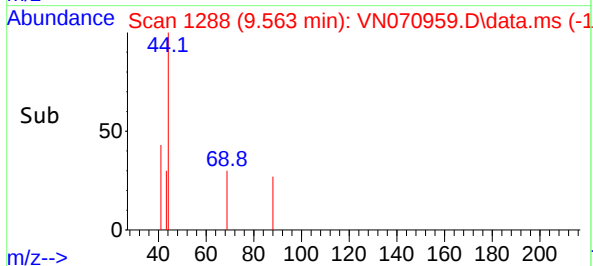
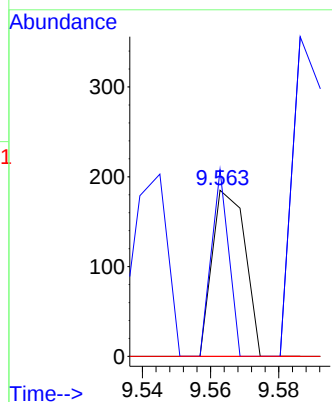


#49
1,4-Dioxane
Concen: 0.615 ug/l
RT: 9.563 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :
MW-12

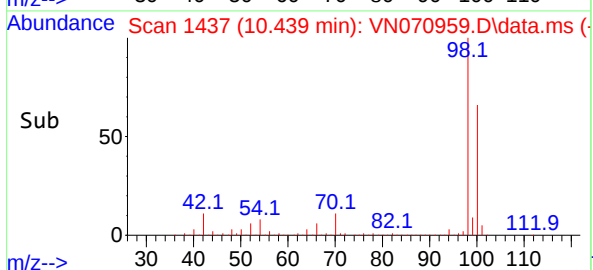
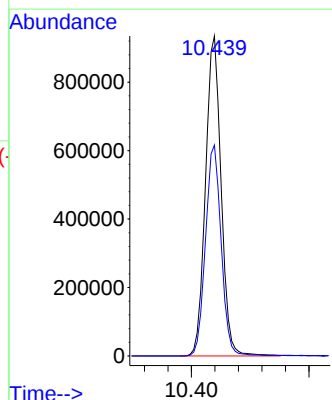
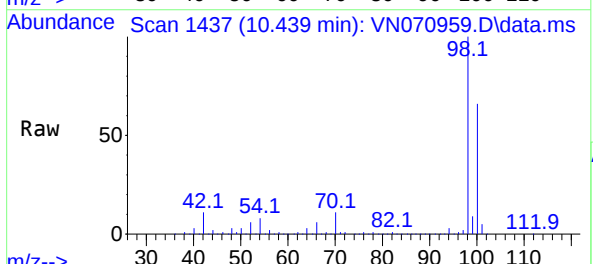


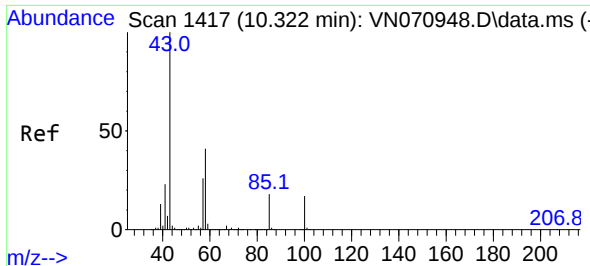
Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 49.368 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 98 Resp: 1717952
Ion Ratio Lower Upper
98 100
100 66.2 50.4 75.6

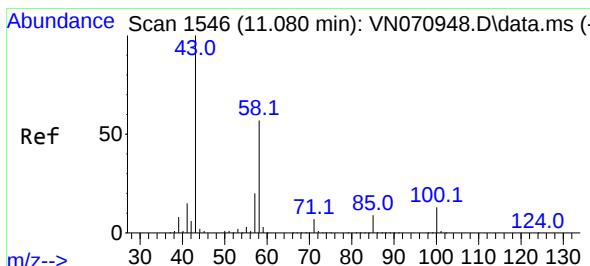
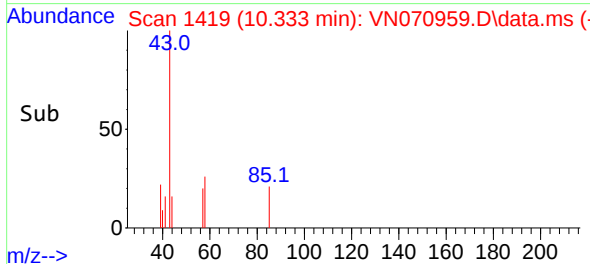
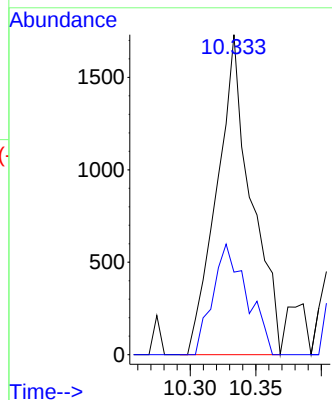
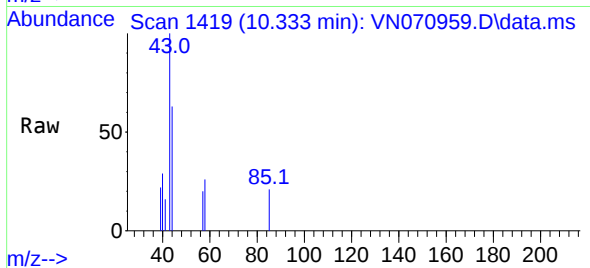




#51
4-Methyl-2-Pentanone
Concen: 0.215 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.012 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

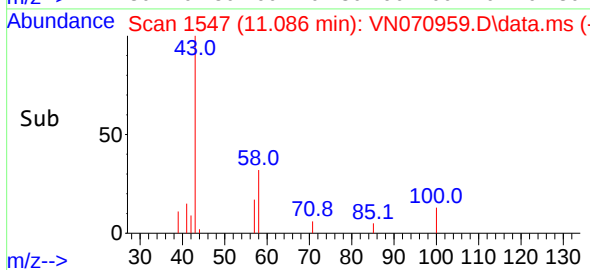
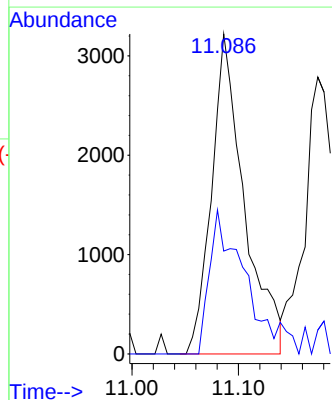
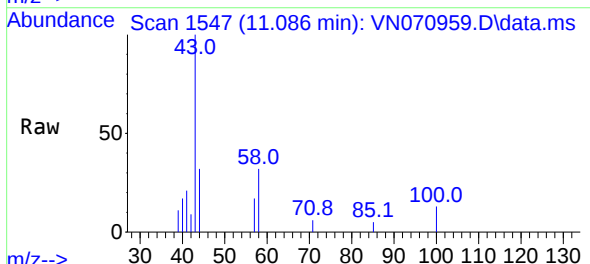
Instrument :
MSVOA_N
ClientSampleId :
MW-12

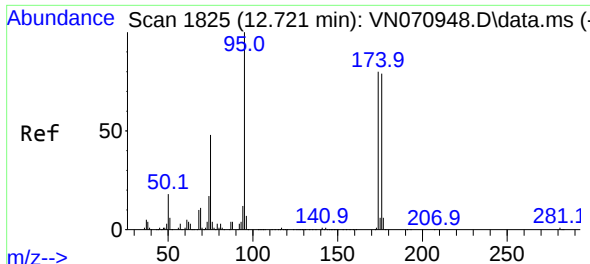
Tgt Ion: 43 Resp: 3141
Ion Ratio Lower Upper
43 100
58 34.6 30.4 45.6



#59
2-Hexanone
Concen: 0.684 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 43 Resp: 6865
Ion Ratio Lower Upper
43 100
58 45.9 26.9 80.7

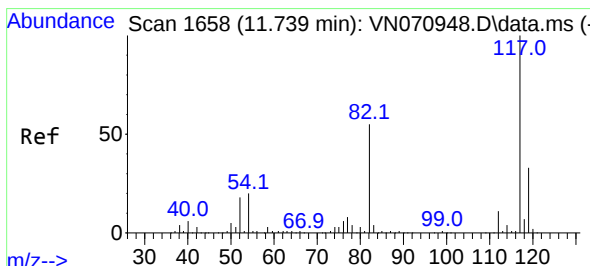
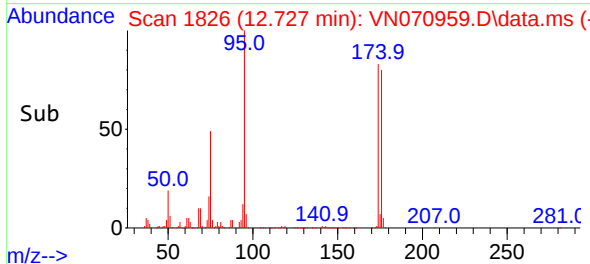
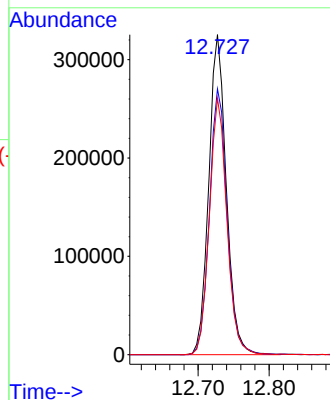
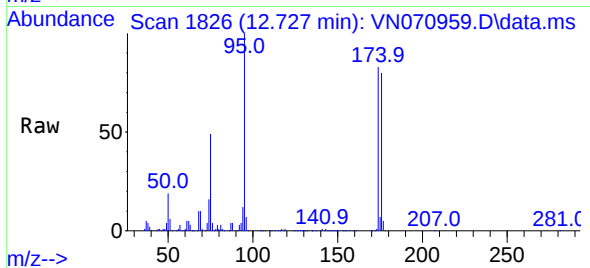




#62
4-Bromofluorobenzene
Concen: 44.930 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

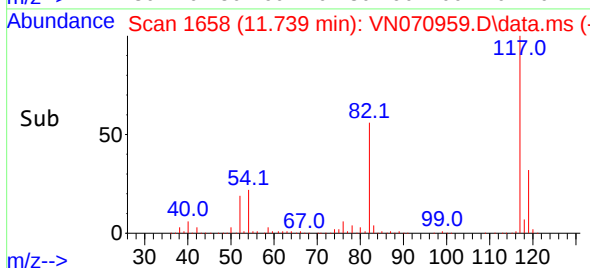
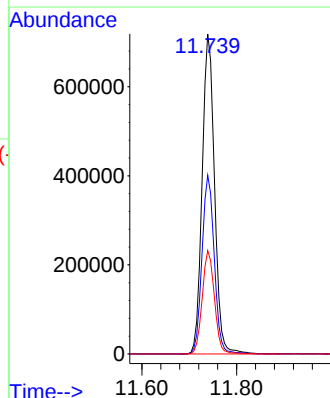
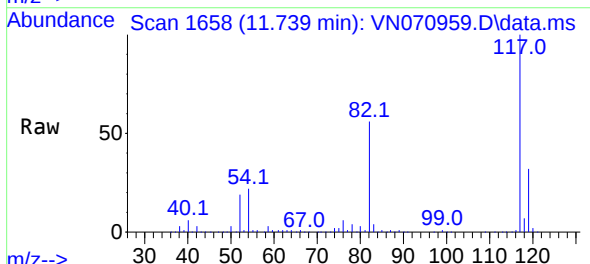
Instrument :
MSVOA_N
ClientSampleId :
MW-12

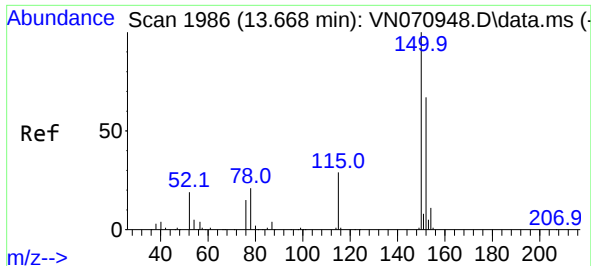
Tgt Ion: 95 Resp: 558862
Ion Ratio Lower Upper
95 100
174 83.8 0.0 187.2
176 79.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 117 Resp: 1298503
Ion Ratio Lower Upper
117 100
82 55.9 42.4 63.6
119 32.3 25.4 38.2

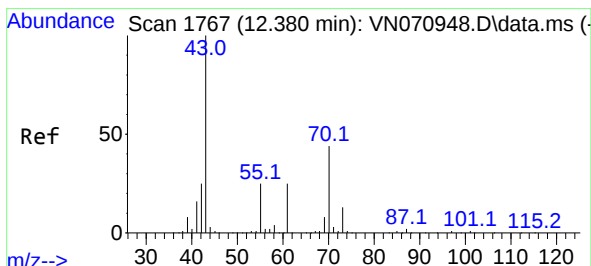
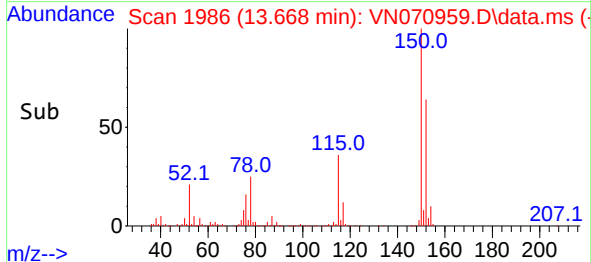
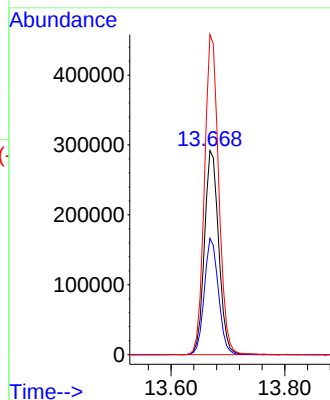
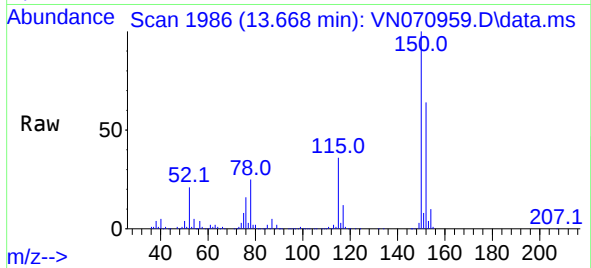




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

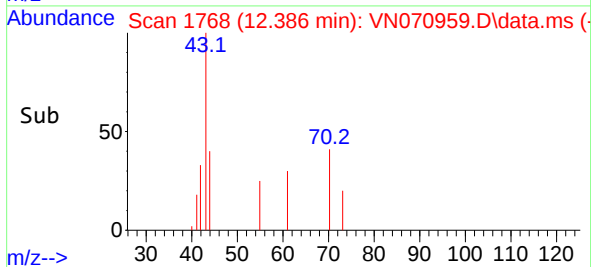
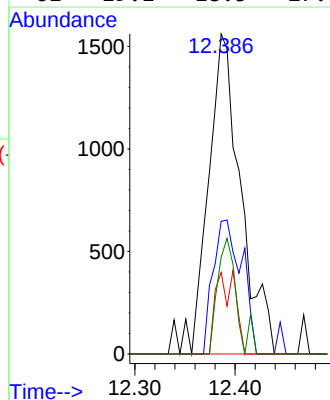
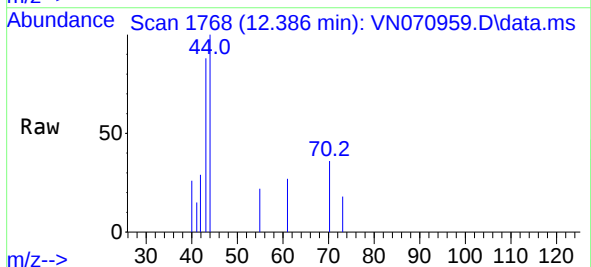
Instrument :
MSVOA_N
ClientSampleId :
MW-12

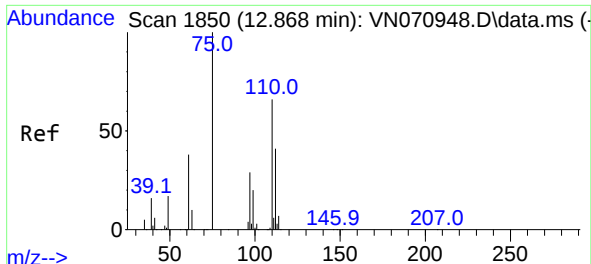
Tgt Ion:152 Resp: 508017
Ion Ratio Lower Upper
152 100
115 56.6 27.5 82.5
150 156.3 0.0 344.4



#74
N-ethyl acetate
Concen: 0.267 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 43 Resp: 3495
Ion Ratio Lower Upper
43 100
70 37.2 33.4 50.0
55 15.5 19.3 28.9#
61 19.1 18.5 27.7

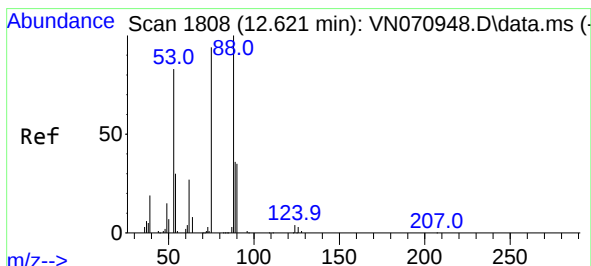
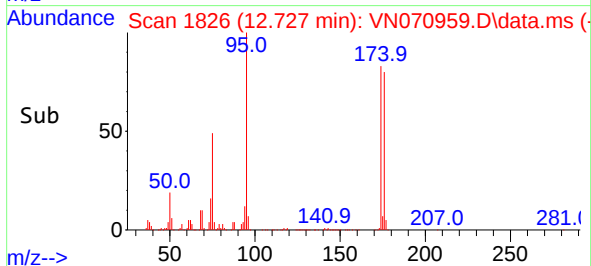
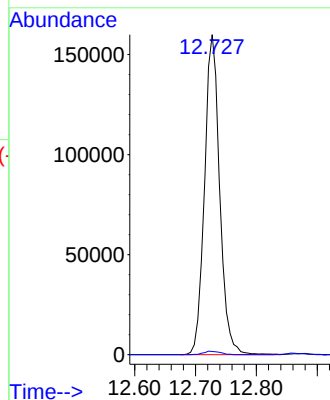
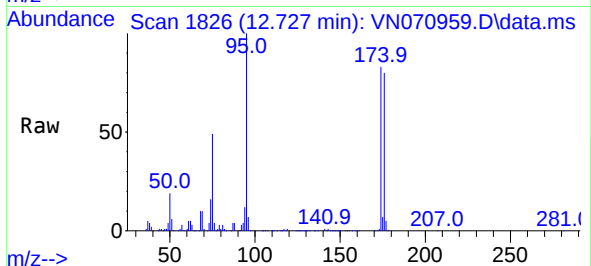




#76
1,2,3-Trichloropropane
Concen: 23.111 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

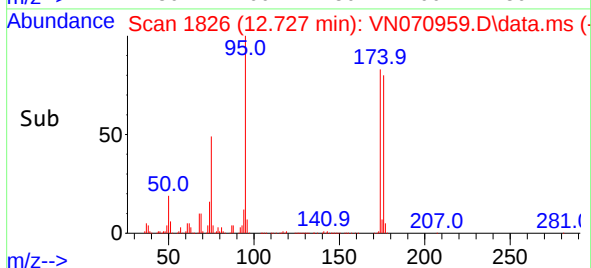
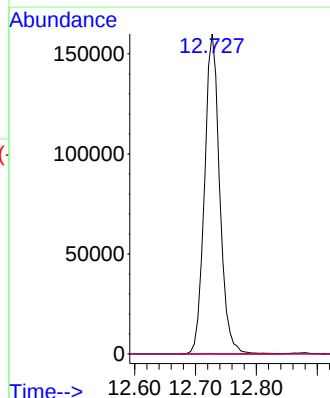
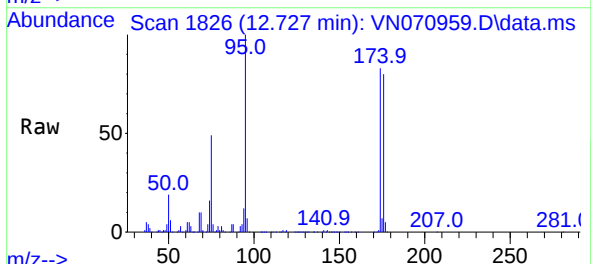
Instrument :
MSVOA_N
ClientSampleId :
MW-12

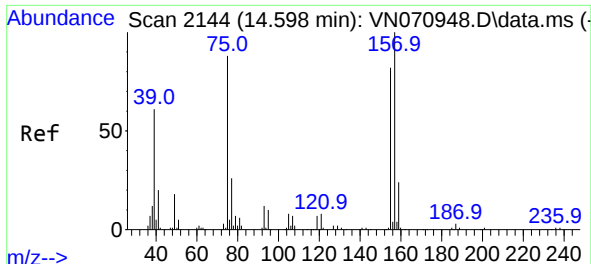
Tgt Ion: 75 Resp: 276435
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.889 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 75 Resp: 276435
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

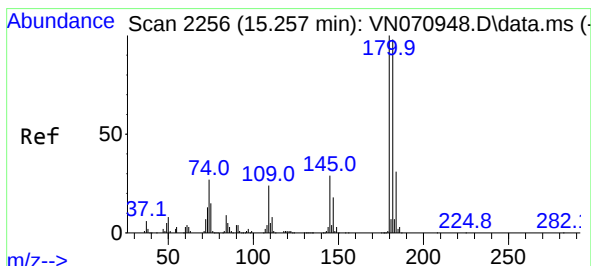
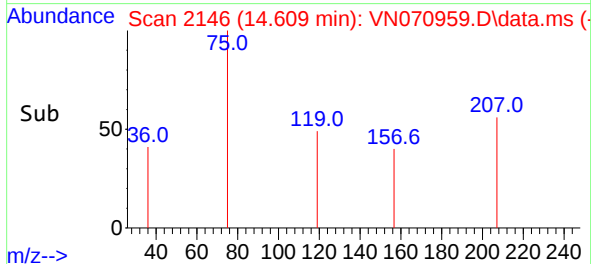
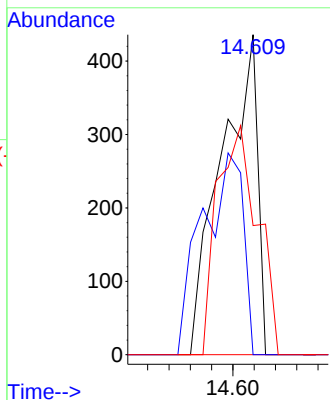
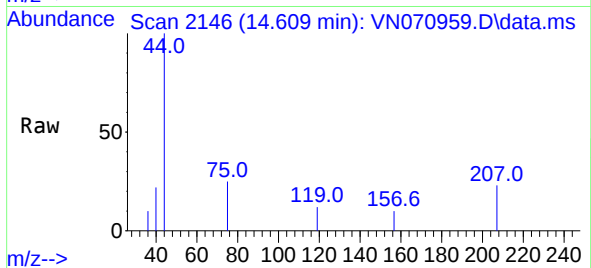




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.243 ug/l
RT: 14.609 min Scan# 2144
Delta R.T. 0.012 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

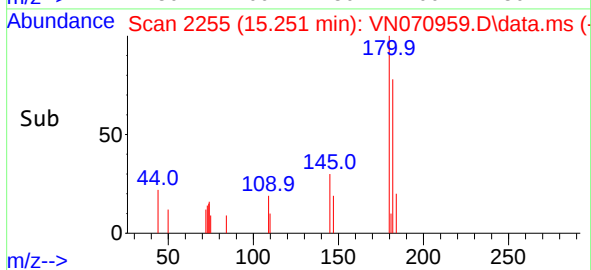
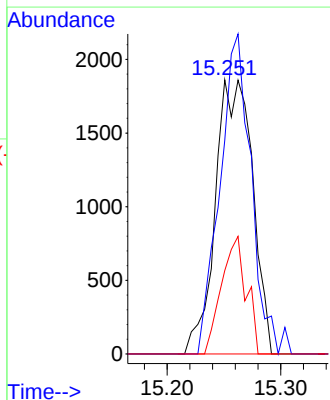
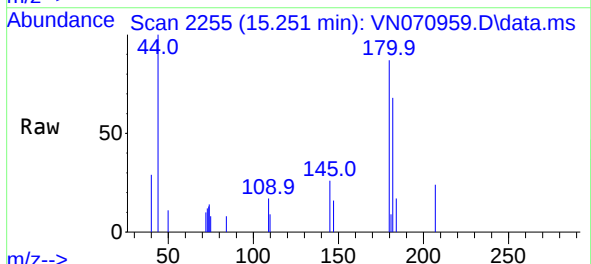
Instrument :
MSVOA_N
ClientSampleId :
MW-12

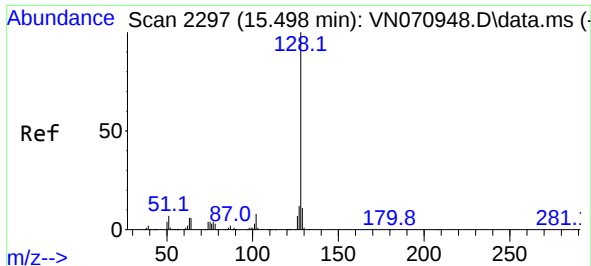
Tgt Ion: 75 Resp: 512
Ion Ratio Lower Upper
75 100
155 71.5 46.9 140.7
157 79.7 60.6 181.7



#93
1,2,4-Trichlorobenzene
Concen: 2.435 ug/l
RT: 15.251 min Scan# 2255
Delta R.T. -0.006 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion: 180 Resp: 4249
Ion Ratio Lower Upper
180 100
182 98.1 48.3 144.9
145 28.5 14.5 43.5

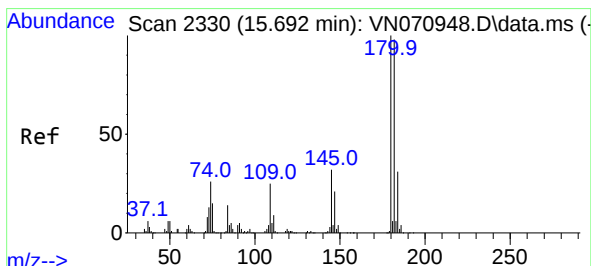
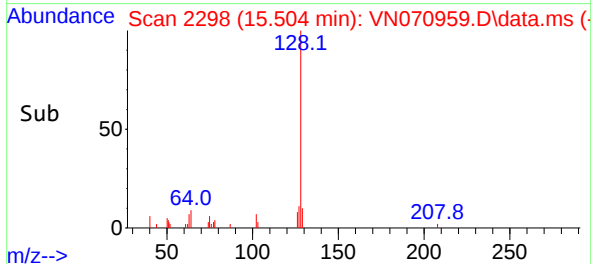
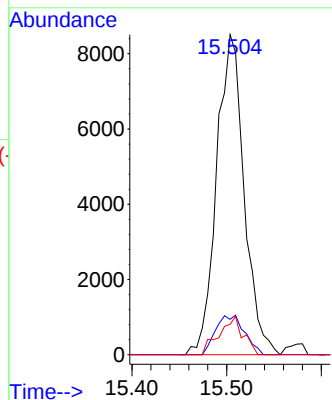
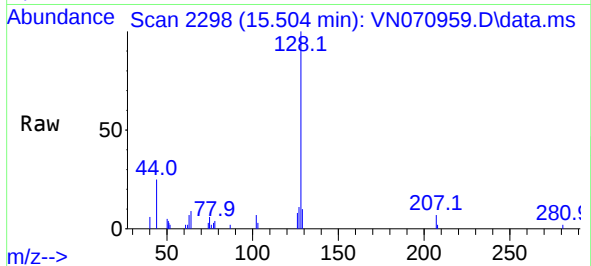




#95
Naphthalene
Concen: 5.671 ug/l
RT: 15.504 min Scan# 2297
Delta R.T. 0.006 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion:	128	Resp:	17192
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.4	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.115 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN070959.D
Acq: 16 Feb 2022 15:48

Tgt Ion:	180	Resp:	5437
Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.4	142.2
145	33.0	15.0	45.1

