

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022822\
 Data File : VN071103.D
 Acq On : 28 Feb 2022 18:44
 Operator : JC\MD
 Sample : N1689-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-38I

Quant Time: Mar 01 04:24:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

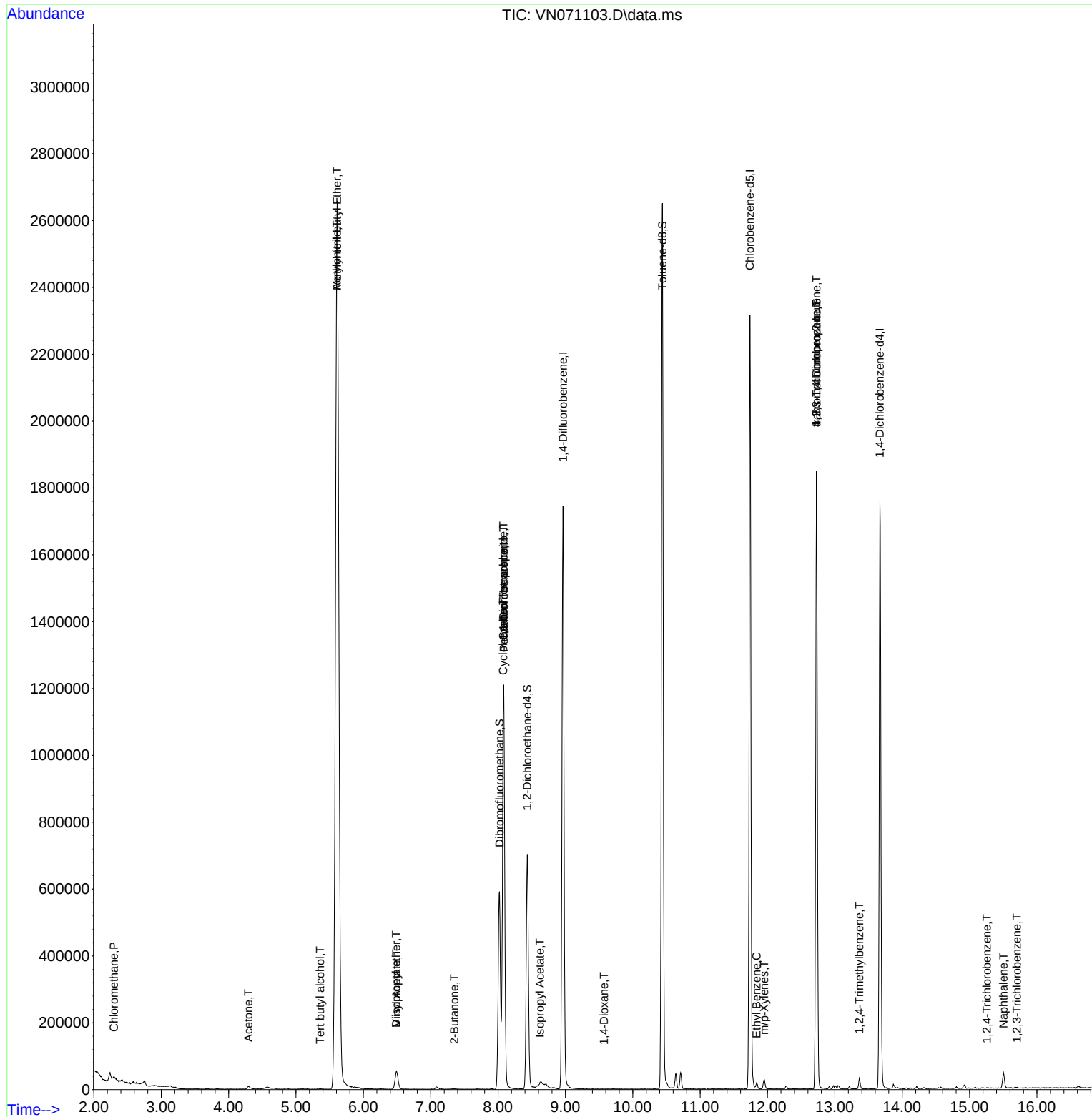
Internal Standards						
1) Pentafluorobenzene	8.086	168	965311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1532720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1365130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	488675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	572823	51.948	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.900%			
35) Dibromofluoromethane	8.022	113	448646	49.212	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.420%			
50) Toluene-d8	10.439	98	1868099	51.025	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.727	95	643639	49.183	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.360%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3576	0.284	ug/l #	83
11) Tert butyl alcohol	5.357	59	2157	1.073	ug/l #	71
15) Acrylonitrile	5.604	53	48491	8.192	ug/l #	31
16) Acetone	4.293	43	11754	1.936	ug/l	99
18) Methyl Acetate	4.857	43	5777	Below Cal		93
19) Methyl tert-butyl Ether	5.610	73	4521589	136.395	ug/l	96
22) Diisopropyl ether	6.487	45	69829	2.020	ug/l #	86
23) Vinyl Acetate	6.492	43	35891	1.227	ug/l #	72
25) 2-Butanone	7.351	43	3236	0.401	ug/l #	80
31) Cyclohexane	8.075	56	19960	1.047	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	73453	4.918	ug/l #	49
38) Carbon Tetrachloride	8.081	117	93134	6.329	ug/l #	17
43) Isopropyl Acetate	8.622	43	16900	0.669	ug/l #	65
49) 1,4-Dioxane	9.575	88	57	0.269	ug/l #	1
67) Ethyl Benzene	11.839	91	12511	0.243	ug/l	93
68) m/p-Xylenes	11.951	106	9532	0.479	ug/l	96
76) 1,2,3-Trichloropropane	12.727	75	326292	28.359	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	326292	91.895	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.363	105	18133	0.578	ug/l	97
93) 1,2,4-Trichlorobenzene	15.257	180	968	2.102	ug/l	94
95) Naphthalene	15.504	128	43893	6.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.704	180	1165	2.649	ug/l	94

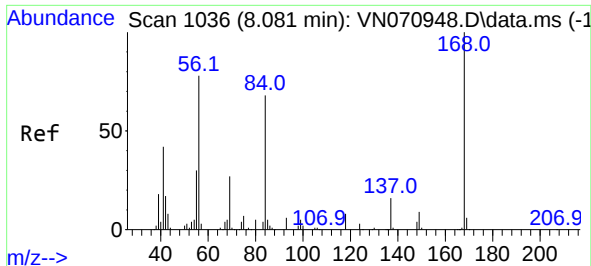
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 21 07:57:15 2022
Response via : Initial Calibration

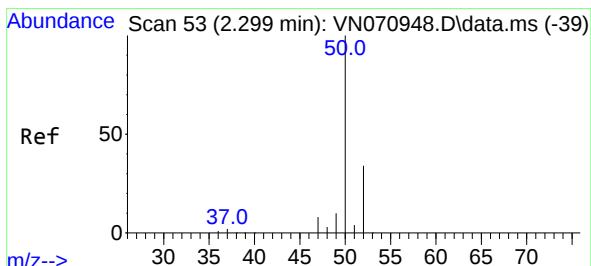
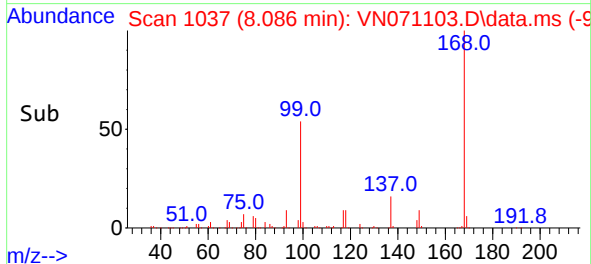
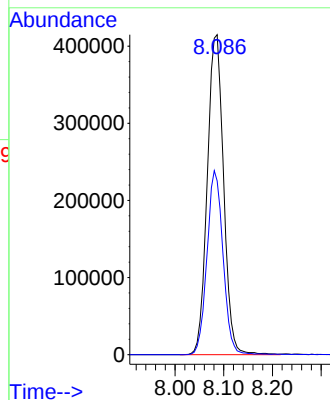
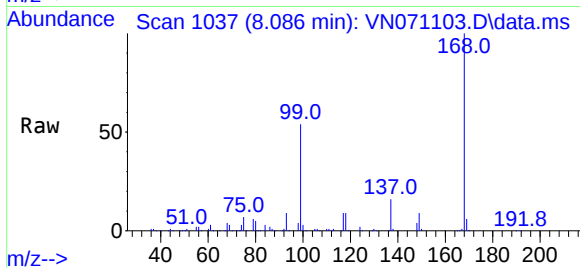




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

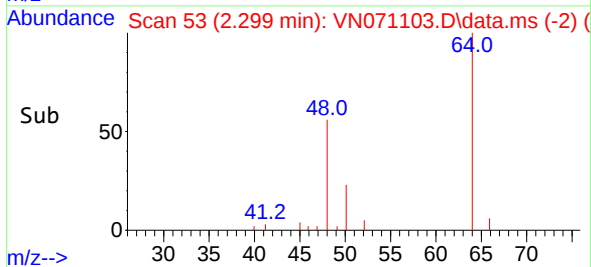
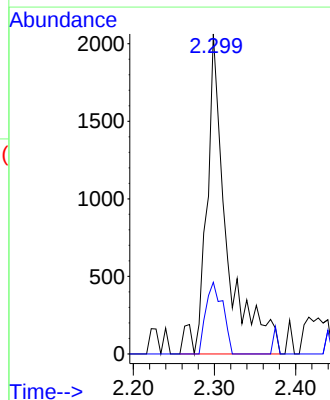
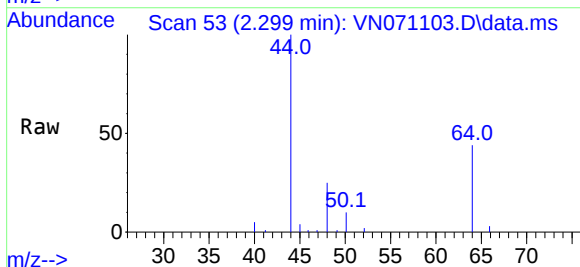
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

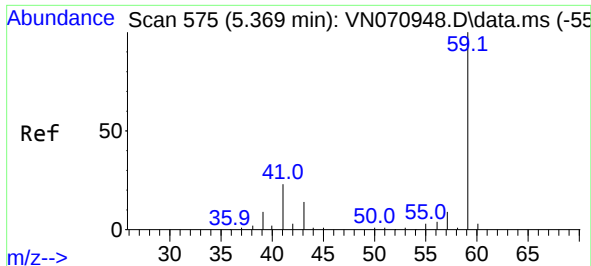
Tgt Ion:168 Resp: 965311
Ion Ratio Lower Upper
168 100
99 54.3 41.3 61.9



#3
Chloromethane
Concen: 0.284 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

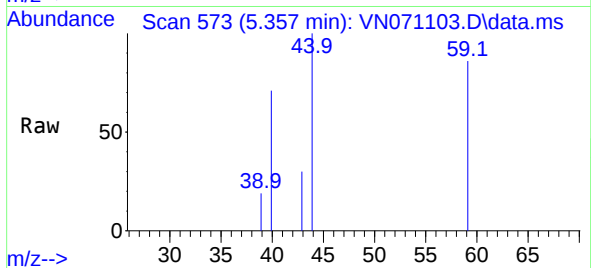
Tgt Ion: 50 Resp: 3576
Ion Ratio Lower Upper
50 100
52 22.4 25.4 38.0#



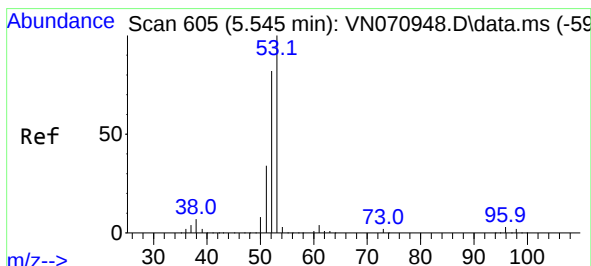
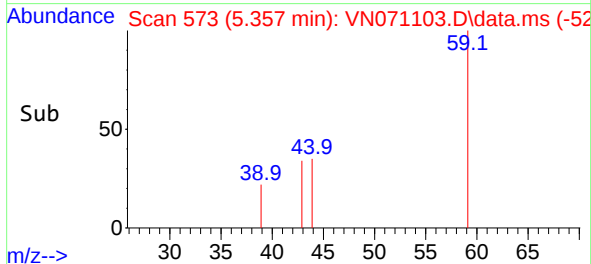
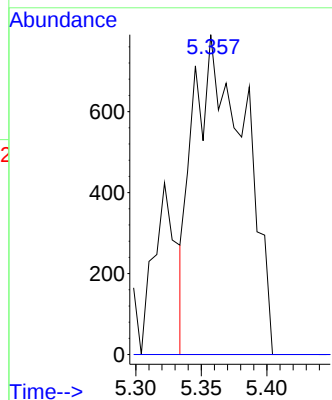


#11
Tert butyl alcohol
Concen: 1.073 ug/l
RT: 5.357 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Instrument :
MSVOA_N
ClientSampleId :
MW-38I

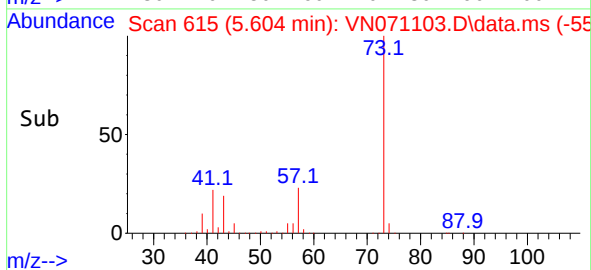
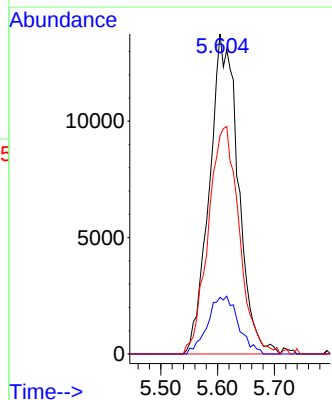
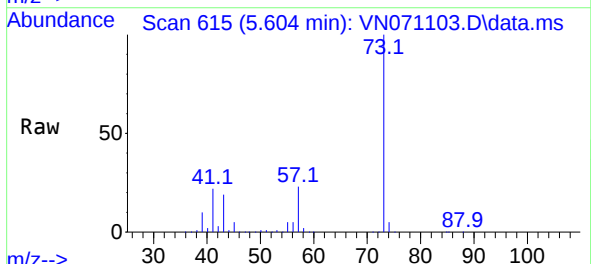


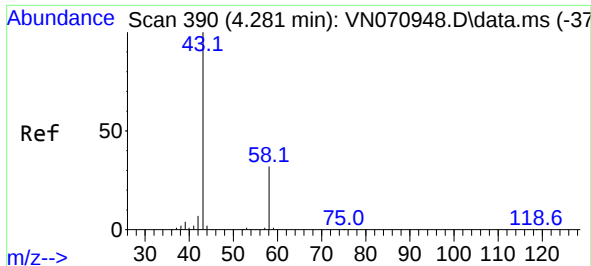
Tgt Ion: 59 Resp: 2157
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#15
Acrylonitrile
Concen: 8.192 ug/l
RT: 5.604 min Scan# 615
Delta R.T. 0.059 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 53 Resp: 48491
Ion Ratio Lower Upper
53 100
52 19.0 66.2 99.2#
51 76.0 29.6 44.4#

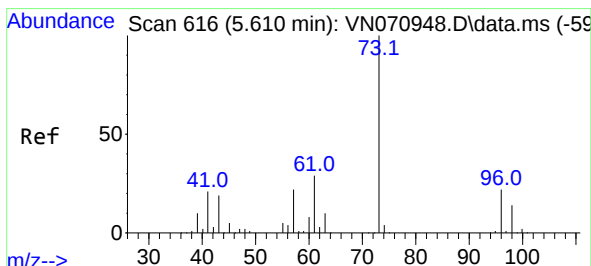
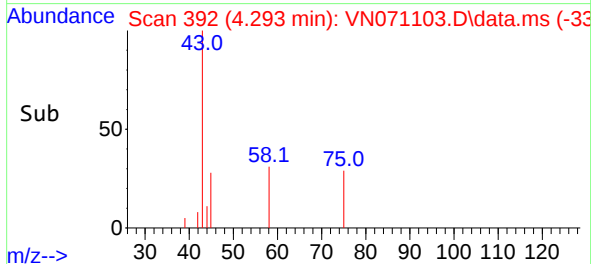
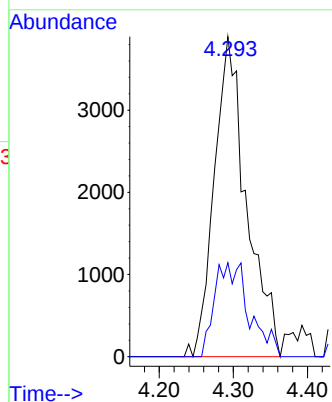
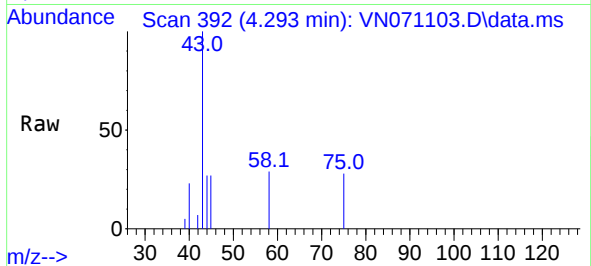




#16
Acetone
Concen: 1.936 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

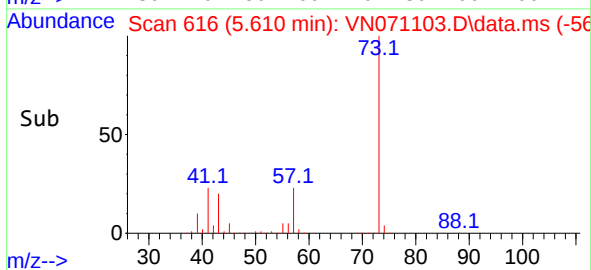
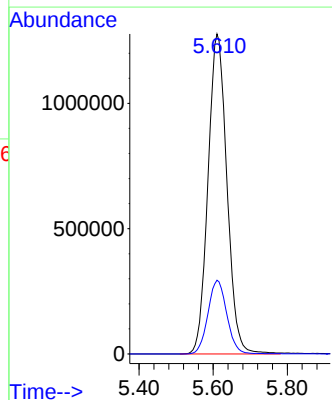
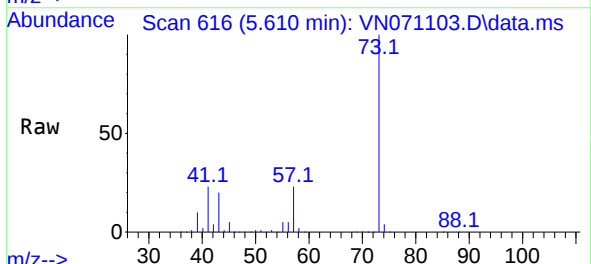
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

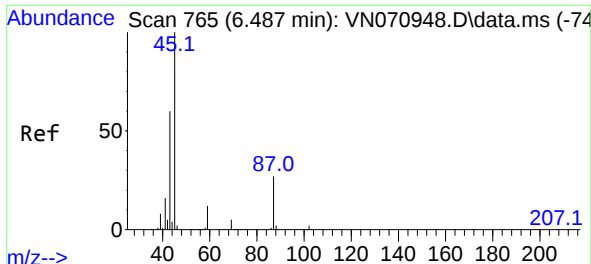
Tgt Ion: 43 Resp: 11754
Ion Ratio Lower Upper
43 100
58 29.3 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 136.395 ug/l
RT: 5.610 min Scan# 616
Delta R.T. -0.000 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 73 Resp: 4521589
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2

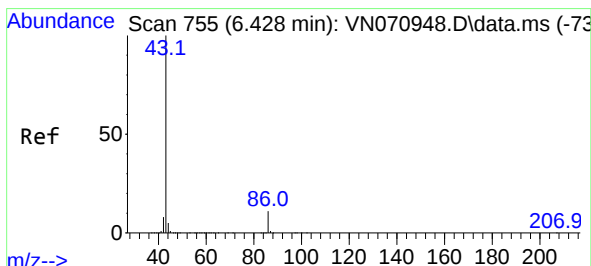
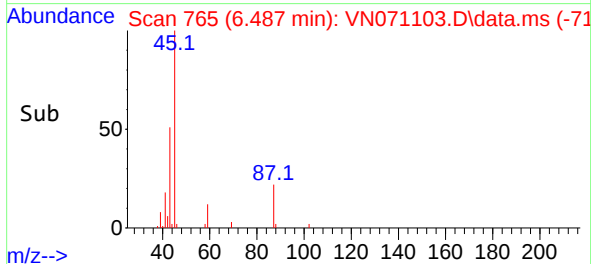
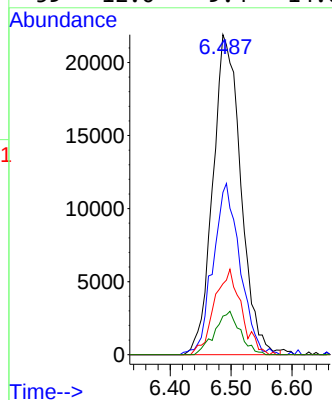
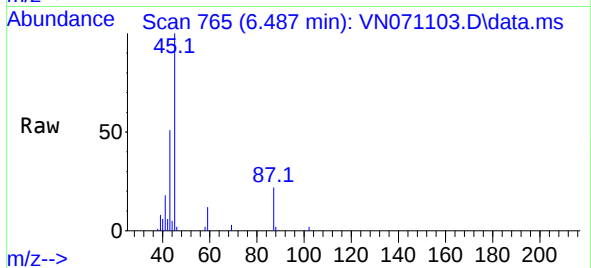




#22
Diisopropyl ether
Concen: 2.020 ug/l
RT: 6.487 min Scan# 765
Delta R.T. -0.000 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

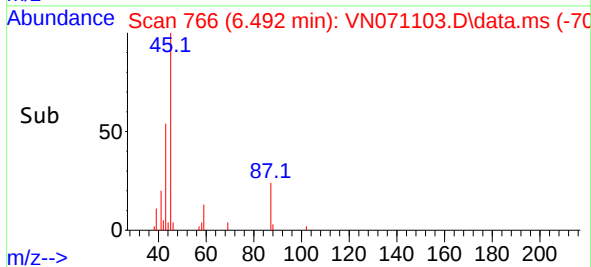
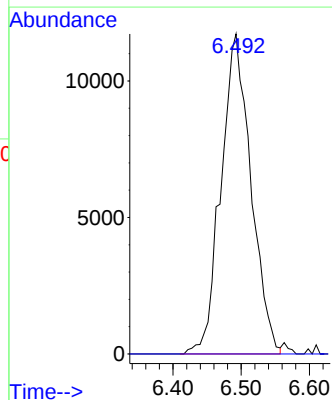
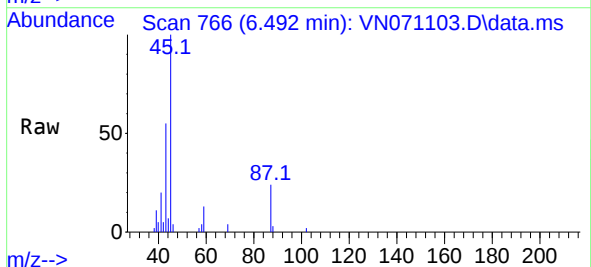
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

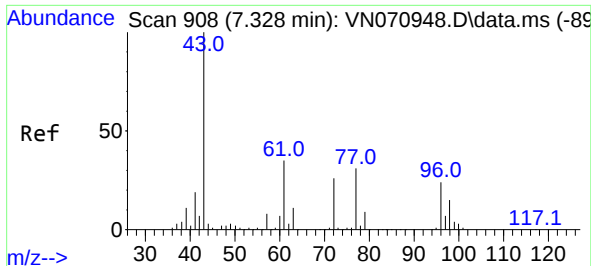
Tgt Ion:	45	Resp:	69829
Ion	Ratio	Lower	Upper
45	100		
43	50.7	51.7	77.5#
87	22.1	23.2	34.8#
59	12.0	9.4	14.0



#23
Vinyl Acetate
Concen: 1.227 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.065 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion:	43	Resp:	35891
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#

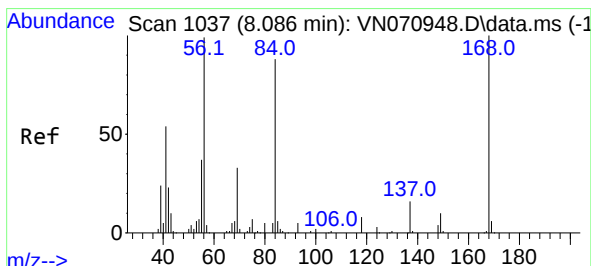
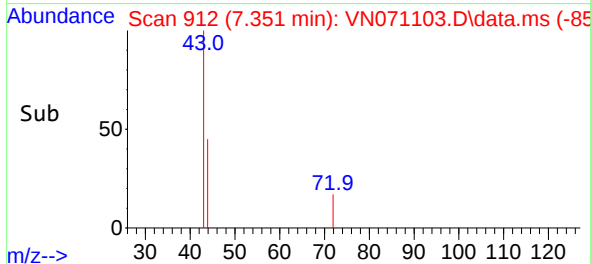
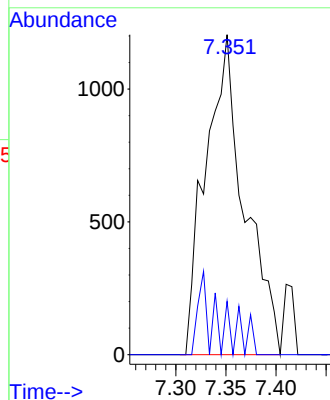
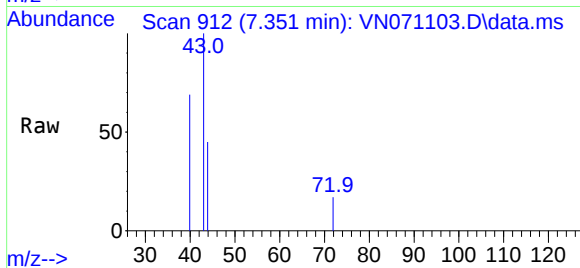




#25
2-Butanone
Concen: 0.401 ug/l
RT: 7.351 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

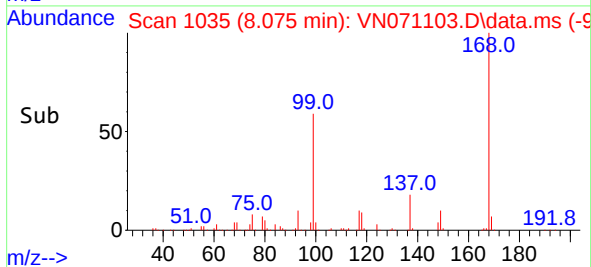
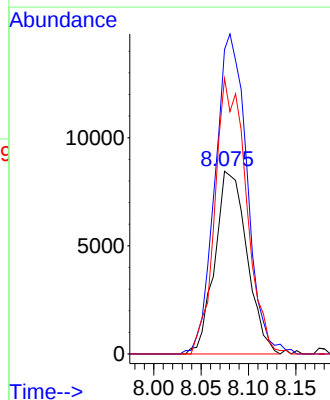
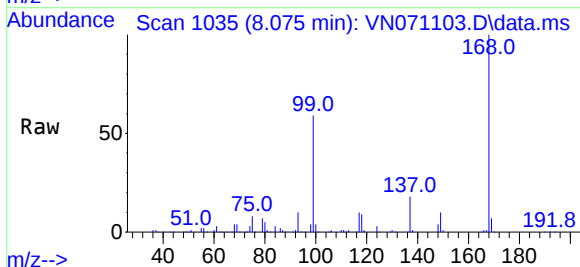
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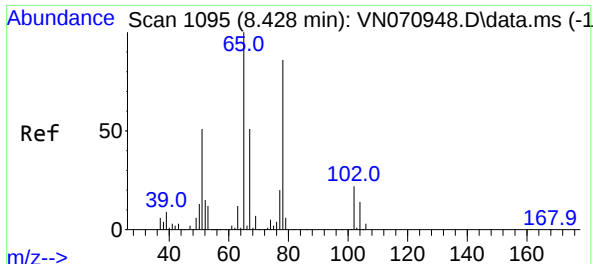
Tgt Ion: 43 Resp: 3236
Ion Ratio Lower Upper
43 100
72 16.7 21.7 32.5#



#31
Cyclohexane
Concen: 1.047 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.012 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 56 Resp: 19960
Ion Ratio Lower Upper
56 100
69 166.7 27.1 40.7#
84 150.9 73.4 110.0#

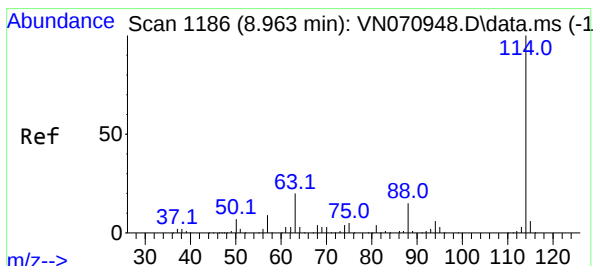
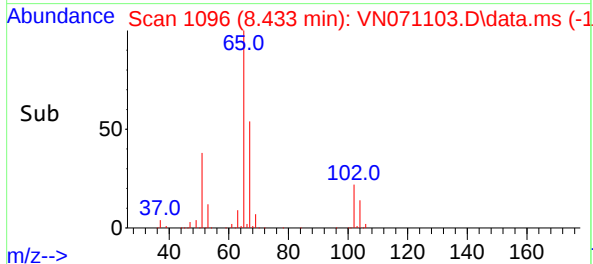
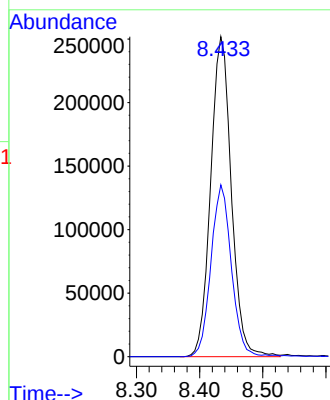
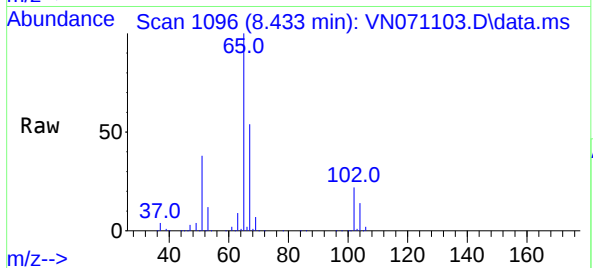




#33
 1,2-Dichloroethane-d4
 Concen: 51.948 ug/l
 RT: 8.433 min Scan# 1095
 Delta R.T. 0.006 min
 Lab File: VN071103.D
 Acq: 28 Feb 2022 18:44

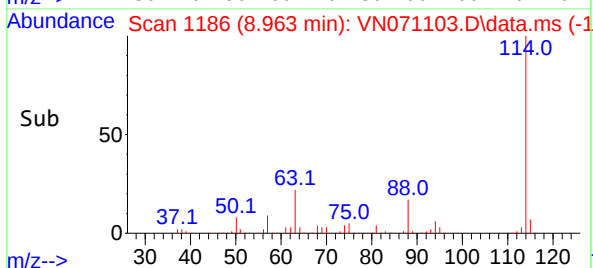
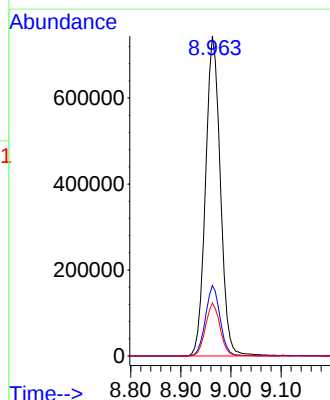
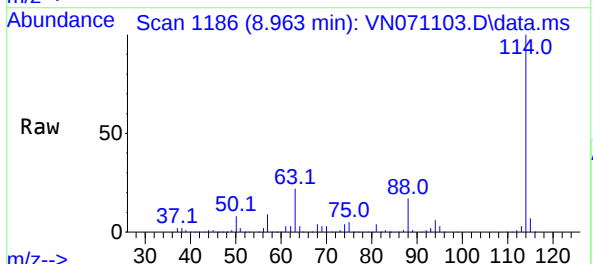
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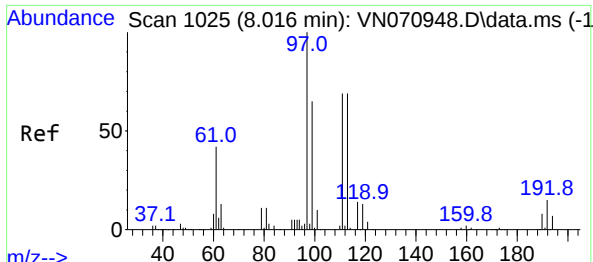
Tgt Ion: 65 Resp: 572823
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. -0.000 min
 Lab File: VN071103.D
 Acq: 28 Feb 2022 18:44

Tgt Ion: 114 Resp: 1532720
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 37.8
 88 16.6 0.0 27.4

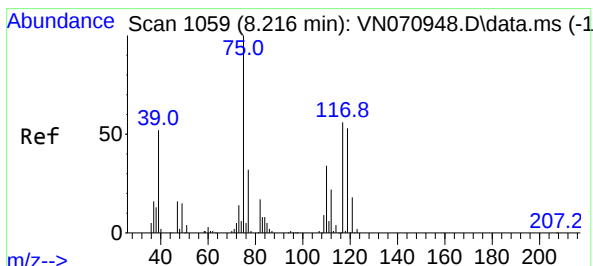
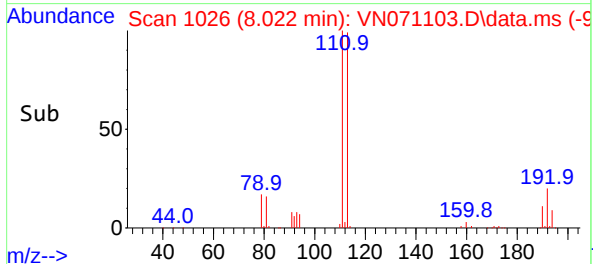
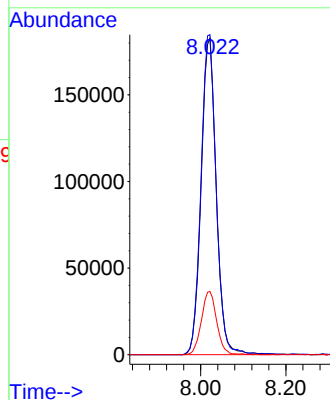
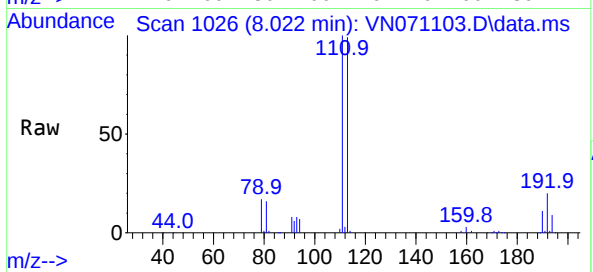




#35
Dibromofluoromethane
Concen: 49.212 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

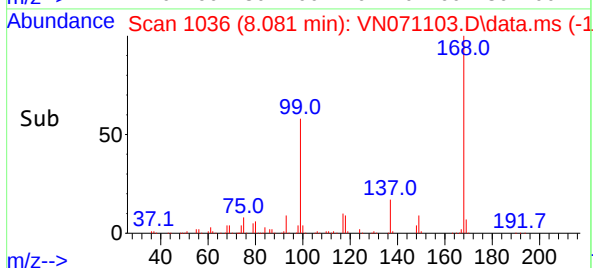
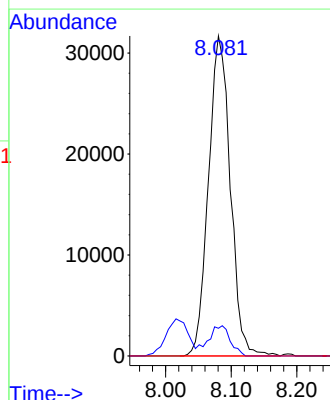
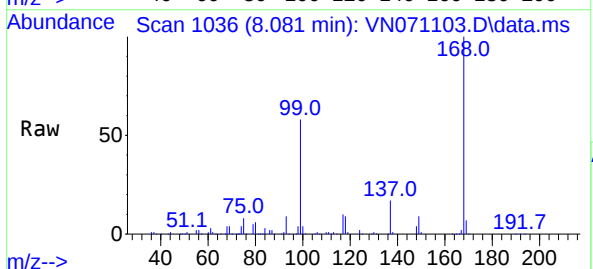
Instrument :
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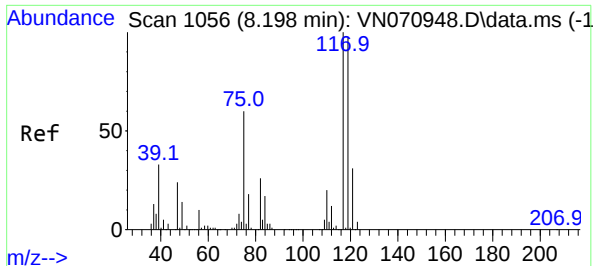
Tgt Ion:113 Resp: 448646
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 20.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.918 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 75 Resp: 73453
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#

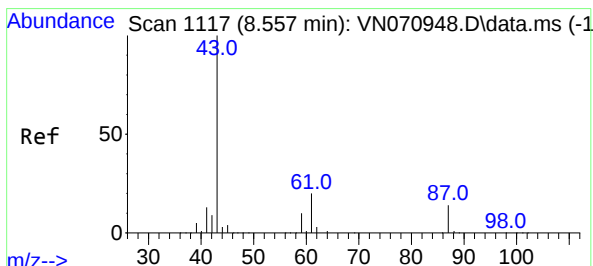
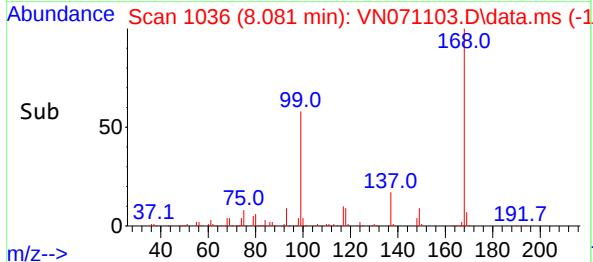
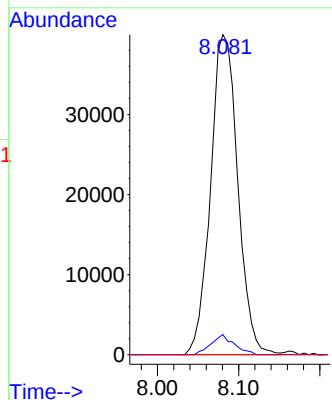
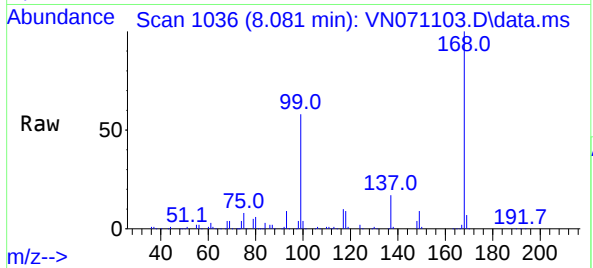




#38
Carbon Tetrachloride
Concen: 6.329 ug/l
RT: 8.081 min Scan# 1103
Delta R.T. -0.118 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

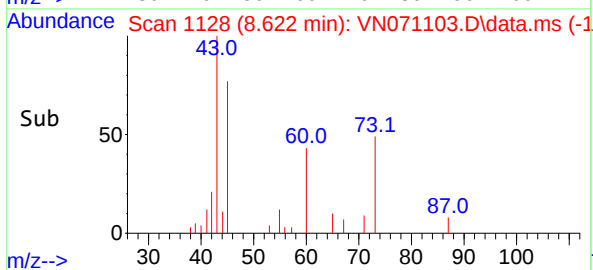
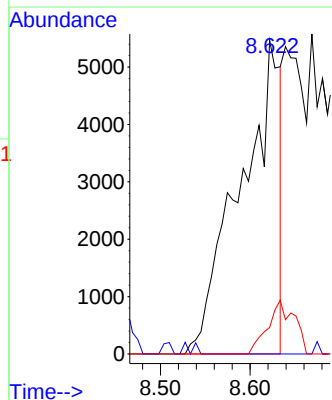
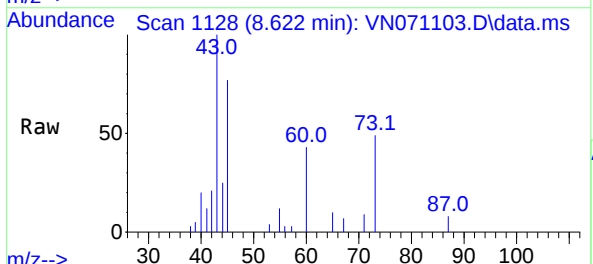
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

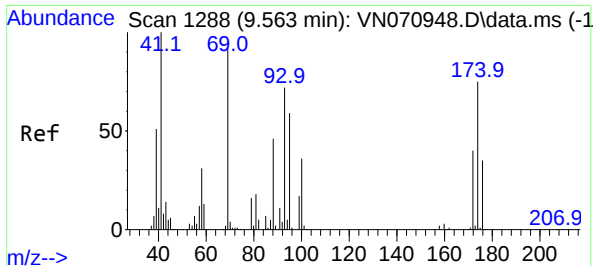
Tgt Ion:117 Resp: 93134
Ion Ratio Lower Upper
117 100
119 6.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.669 ug/l
RT: 8.622 min Scan# 1128
Delta R.T. 0.065 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 43 Resp: 16900
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 11.3 11.2 16.8

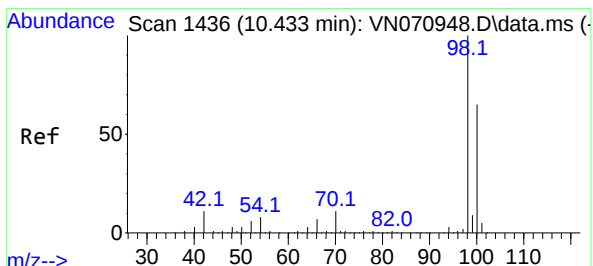
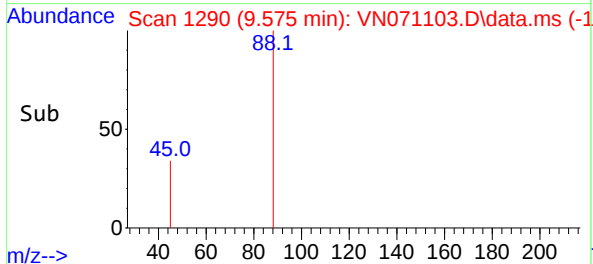
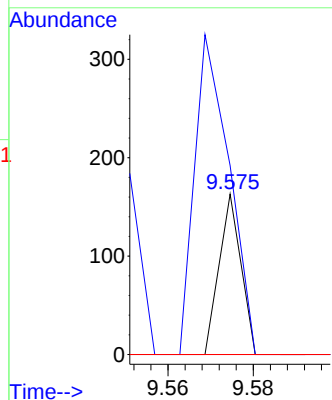
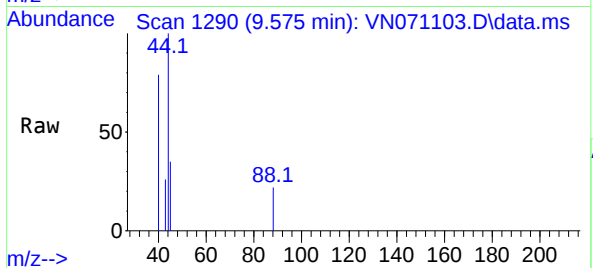




#49
1,4-Dioxane
Concen: 0.269 ug/l
RT: 9.575 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

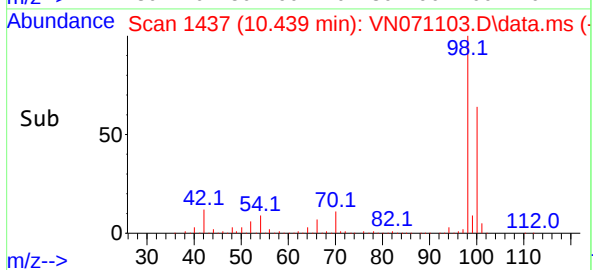
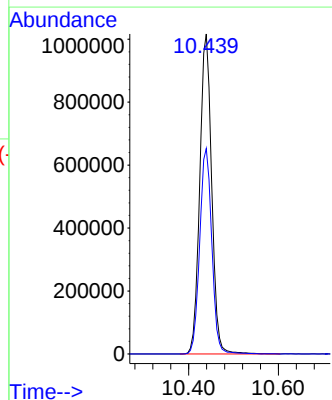
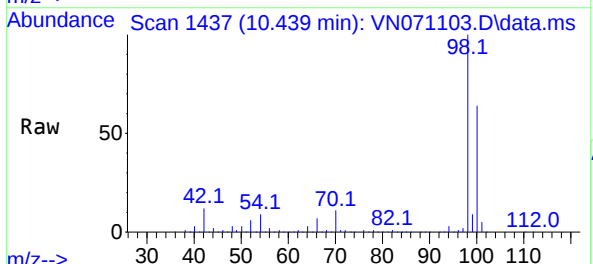
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

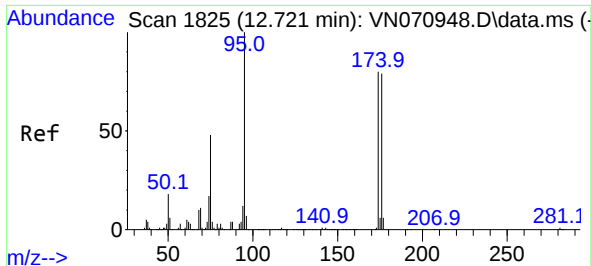
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 319.3 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 51.025 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 98 Resp: 1868099
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6

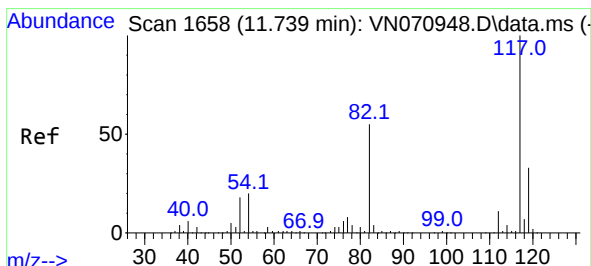
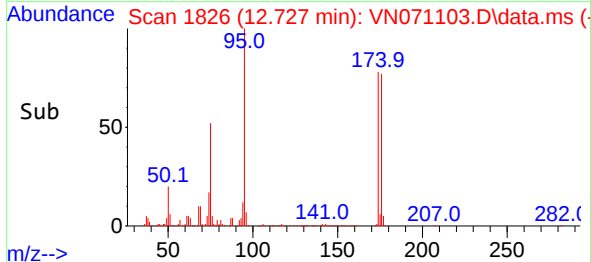
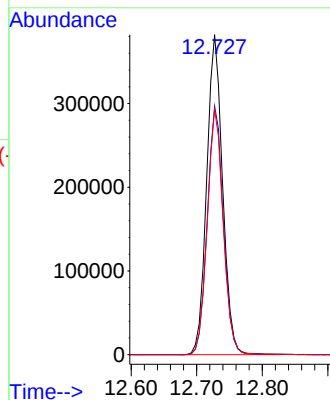
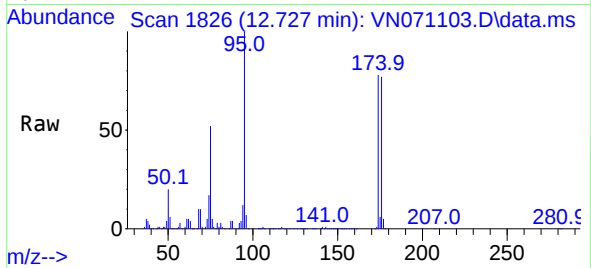




#62
4-Bromofluorobenzene
Concen: 49.183 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

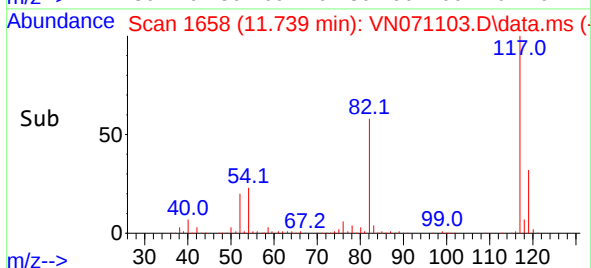
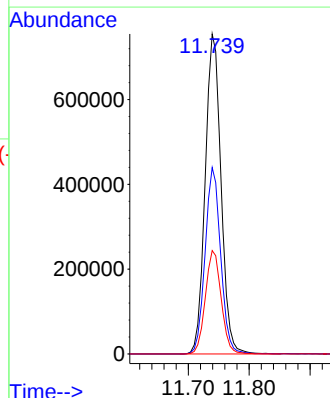
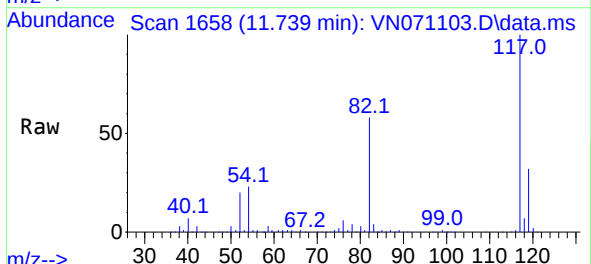
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

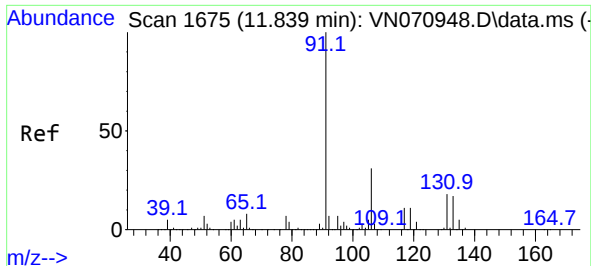
Tgt Ion: 95 Resp: 643639
Ion Ratio Lower Upper
95 100
174 78.8 0.0 187.2
176 76.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 117 Resp: 1365130
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 32.3 25.4 38.2

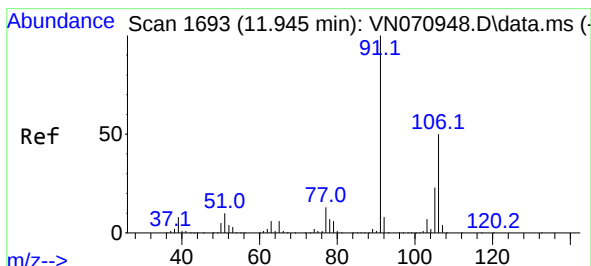
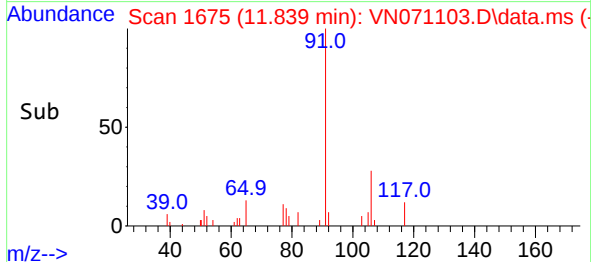
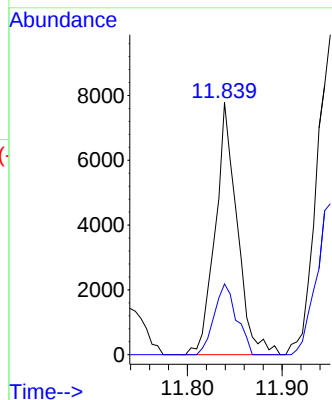
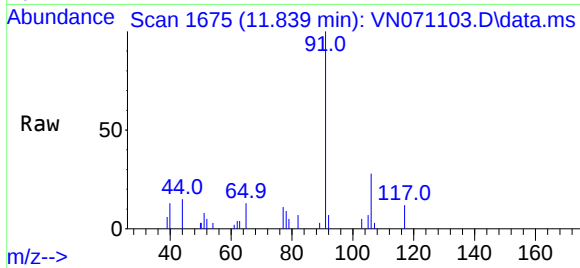




#67
Ethyl Benzene
Concen: 0.243 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

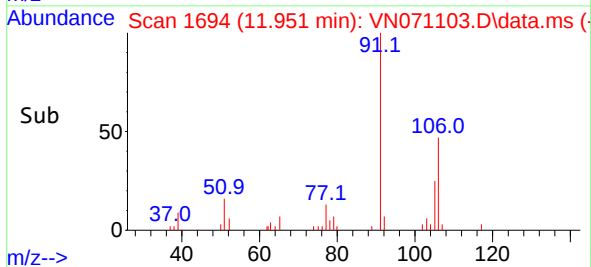
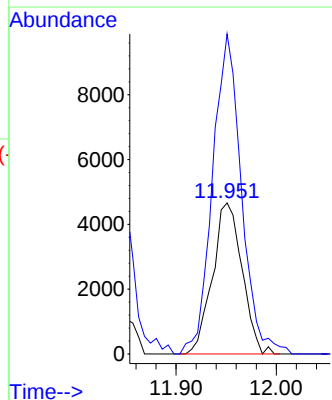
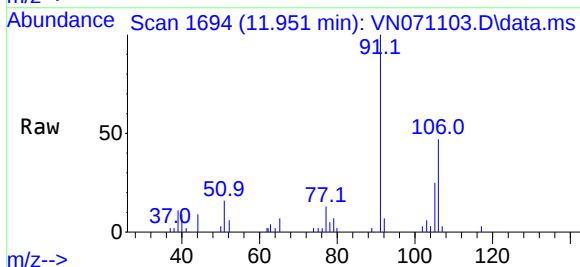
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

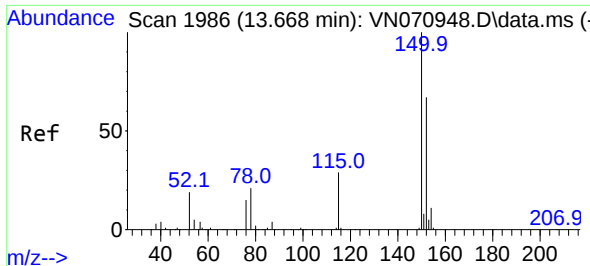
Tgt Ion: 91 Resp: 12511
Ion Ratio Lower Upper
91 100
106 28.1 25.7 38.5



#68
m/p-Xylenes
Concen: 0.479 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 106 Resp: 9532
Ion Ratio Lower Upper
106 100
91 207.4 160.6 240.8

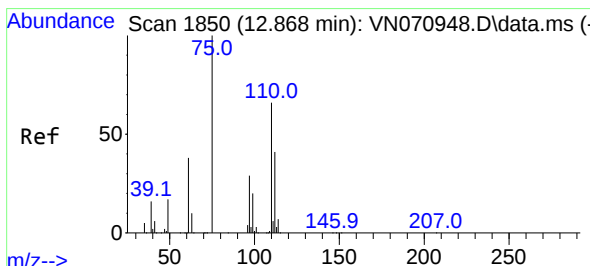
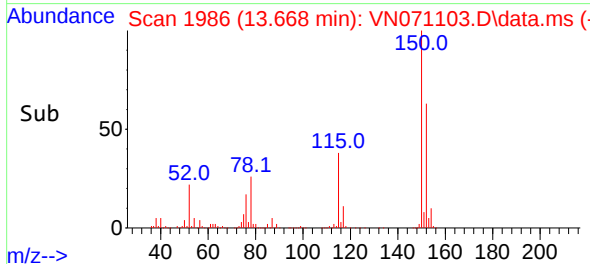
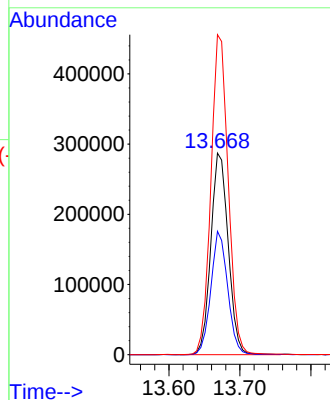
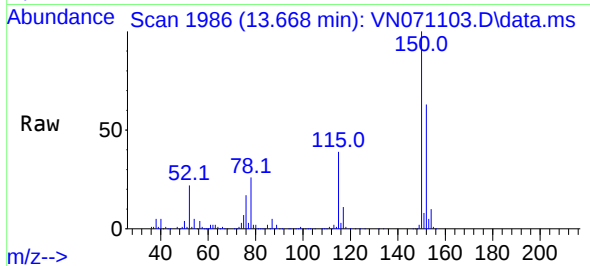




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

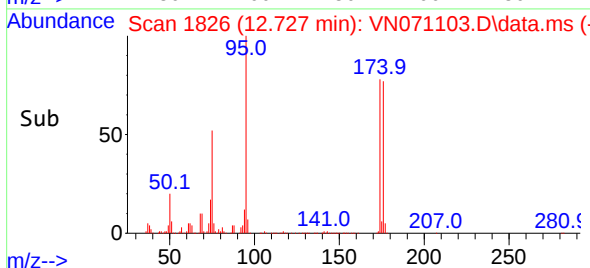
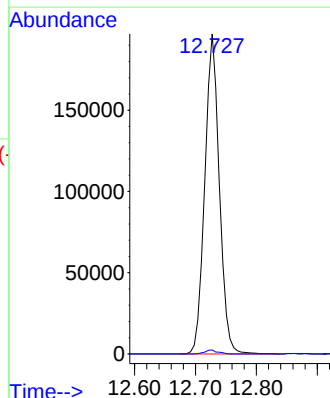
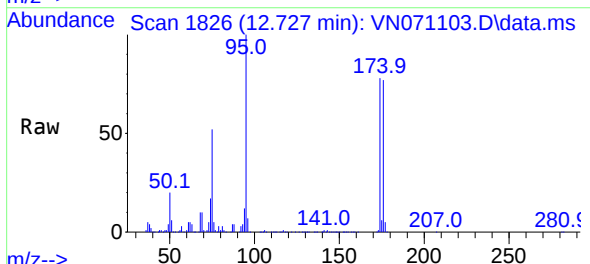
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

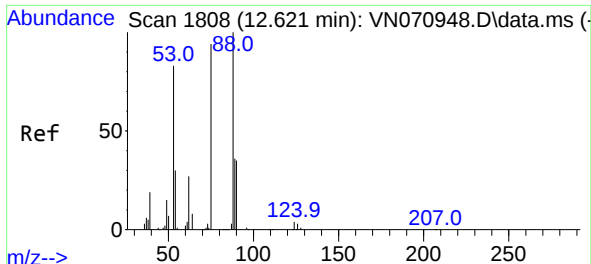
Tgt Ion:152 Resp: 488675
Ion Ratio Lower Upper
152 100
115 59.3 27.5 82.5
150 158.3 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 28.359 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 75 Resp: 326292
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

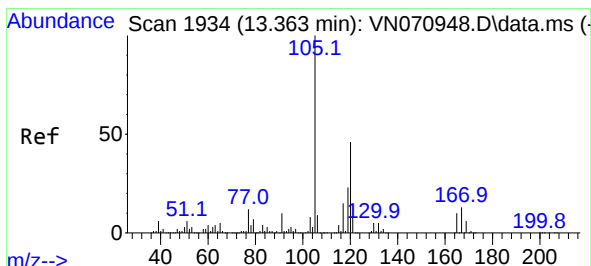
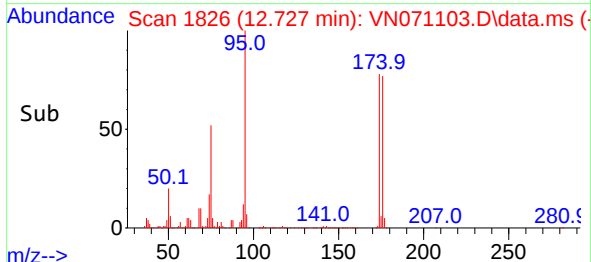
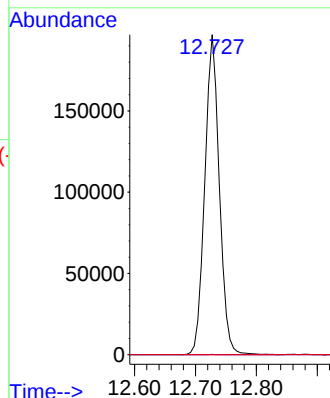
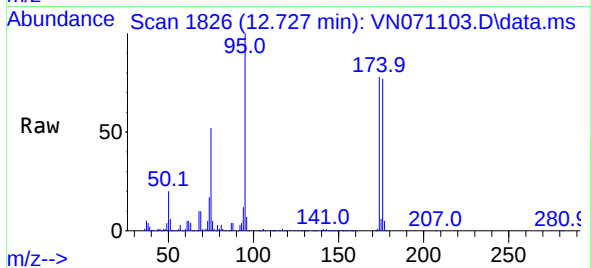




#81
trans-1,4-Dichloro-2-butene
Concen: 91.895 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

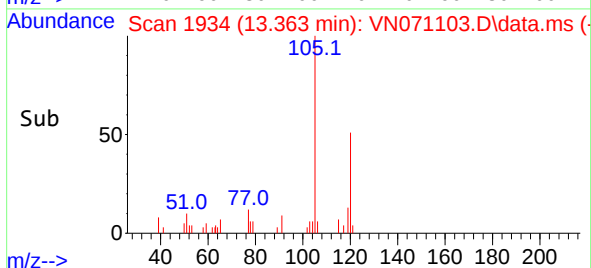
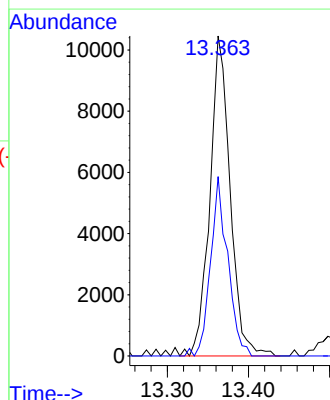
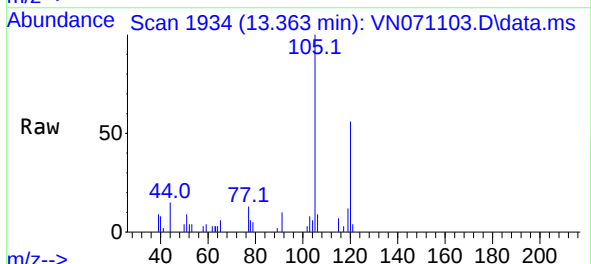
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

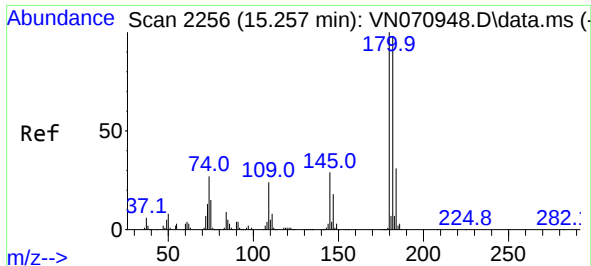
Tgt Ion: 75 Resp: 326292
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.578 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion: 105 Resp: 18133
Ion Ratio Lower Upper
105 100
120 47.6 22.8 68.4

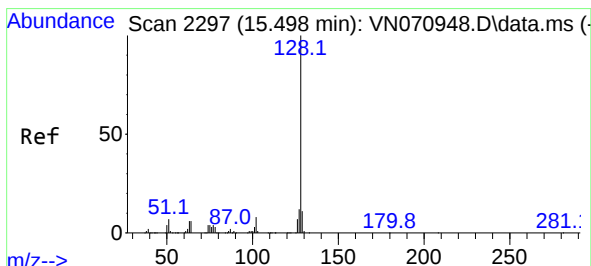
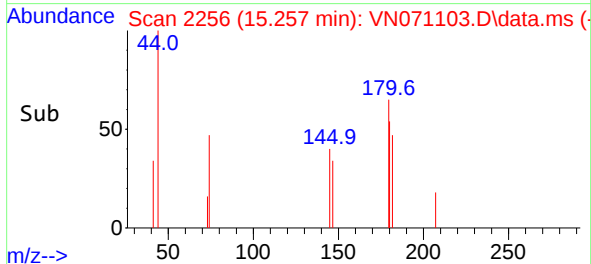
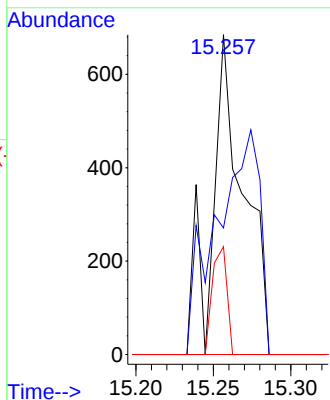
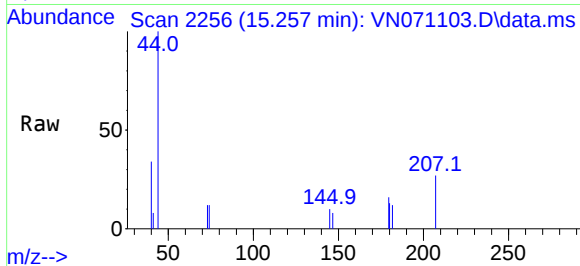




#93
1,2,4-Trichlorobenzene
Concen: 2.102 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

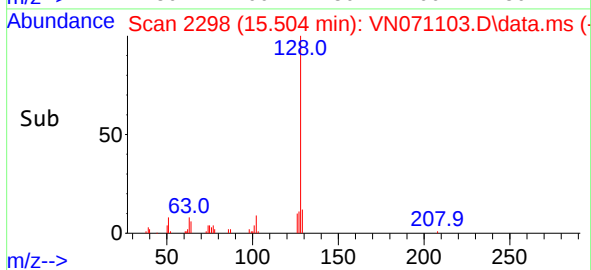
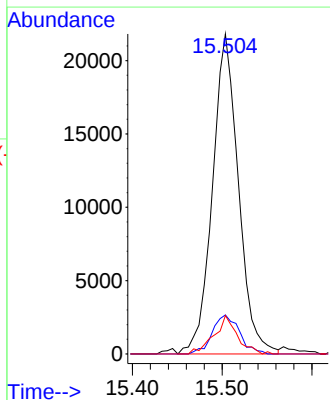
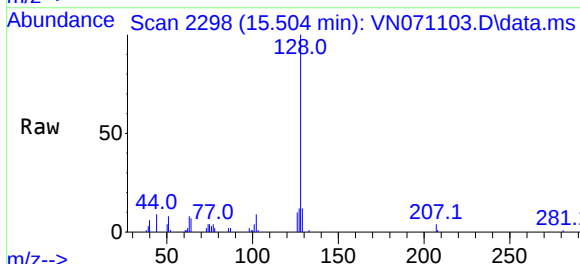
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

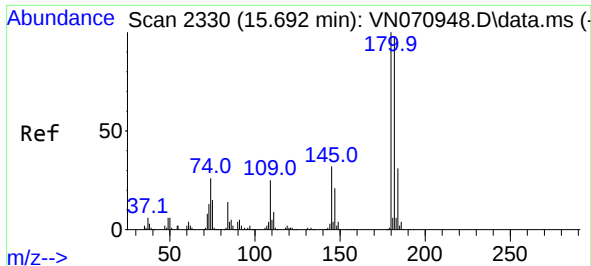
Tgt Ion:	180	Resp:	968
Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.3	144.9
145	15.6	14.5	43.5



#95
Naphthalene
Concen: 6.798 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071103.D
Acq: 28 Feb 2022 18:44

Tgt Ion:	128	Resp:	43893
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.649 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN071103.D
 Acq: 28 Feb 2022 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-38I

Tgt Ion:	180	Resp:	1165
Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	18.9	15.0	45.1

