

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
 Data File : VN072452.D
 Acq On : 12 May 2022 14:55
 Operator : JC\MD
 Sample : N2800-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: May 13 02:44:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

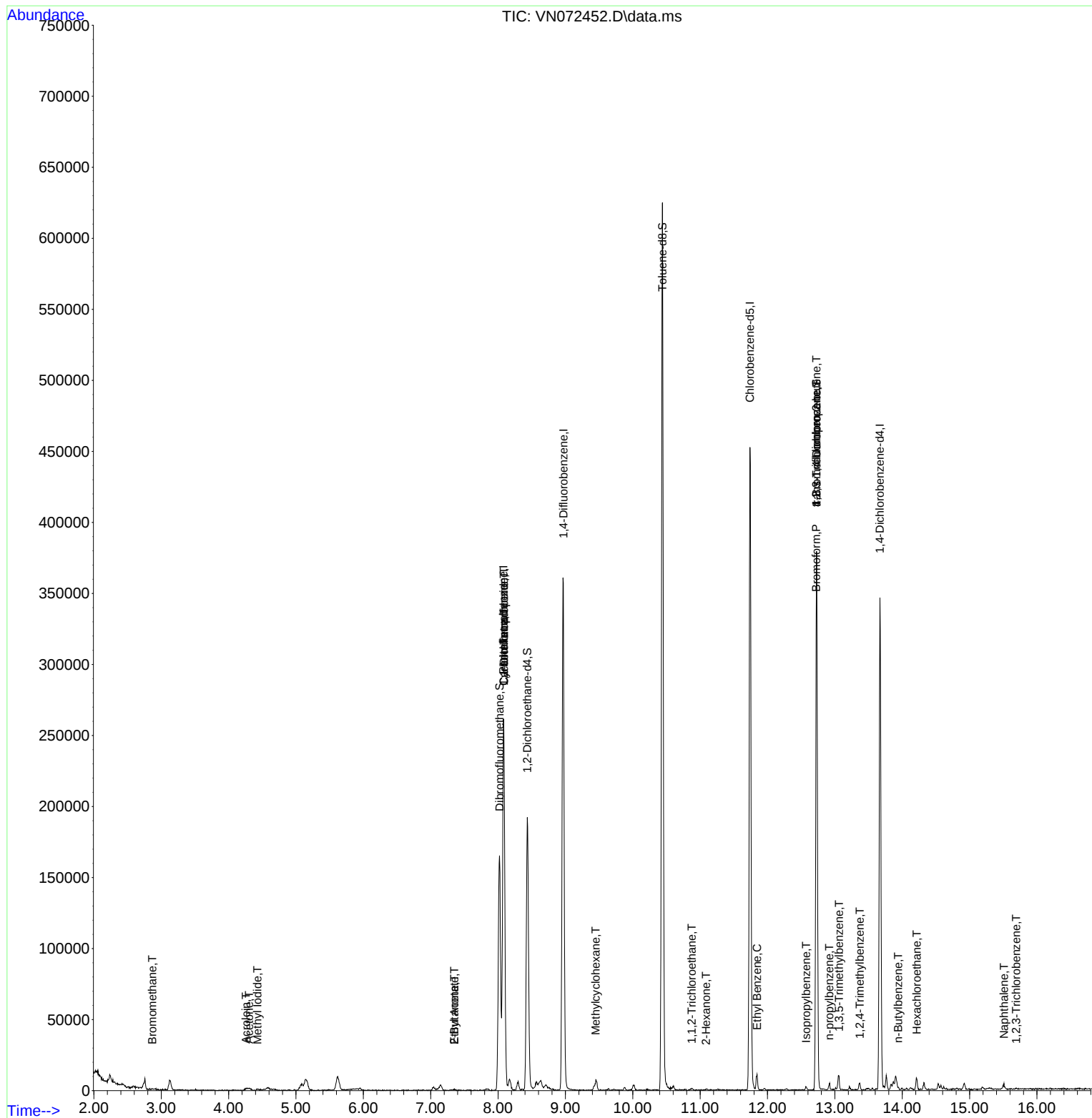
Internal Standards						
1) Pentafluorobenzene	8.080	168	191795	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.969	114	304611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	261583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	95415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	176477	60.074	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 120.140%	
35) Dibromofluoromethane	8.022	113	120470	59.445	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 118.900%	
50) Toluene-d8	10.439	98	417033	54.032	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.060%	
62) 4-Bromofluorobenzene	12.727	95	127003	49.548	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.310	50	534	Below Cal	#	62
5) Bromomethane	2.869	94	251	0.207	ug/l	# 70
6) Chloroethane	3.016	64	247	Below Cal	#	42
10) Methyl Iodide	4.428	142	863	0.316	ug/l	# 79
13) Acrolein	4.257	56	148	0.315	ug/l	# 16
16) Acetone	4.304	43	3249	2.793	ug/l	97
25) 2-Butanone	7.351	43	1361	0.741	ug/l	# 45
31) Cyclohexane	8.086	56	5932	1.524	ug/l	# 63
36) 1,1-Dichloropropene	8.086	75	15343	5.271	ug/l	# 52
37) Ethyl Acetate	7.351	43	1361	0.390	ug/l	# 67
38) Carbon Tetrachloride	8.086	117	20127	6.178	ug/l	# 16
39) Methylcyclohexane	9.451	83	2914	0.891	ug/l	# 61
55) 1,1,2-Trichloroethane	10.874	97	456	0.204	ug/l	# 16
59) 2-Hexanone	11.086	43	862	0.369	ug/l	# 45
67) Ethyl Benzene	11.845	91	7479	0.811	ug/l	# 88
71) Bromoform	12.721	173	559	0.354	ug/l	# 28
73) Isopropylbenzene	12.574	105	1874	0.237	ug/l	97
76) 1,2,3-Trichloropropane	12.727	75	72100	28.972	ug/l	# 1
78) n-propylbenzene	12.915	91	4076	0.482	ug/l	99
80) 1,3,5-Trimethylbenzene	13.062	105	6733	1.040	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	72100	96.651	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.368	105	3994	0.634	ug/l	78
89) n-Butylbenzene	13.939	91	1280	0.284	ug/l	# 72
90) Hexachloroethane	14.215	117	659	0.560	ug/l	# 9
95) Naphthalene	15.509	128	4517	4.104	ug/l	# 71
96) 1,2,3-Trichlorobenzene	15.692	180	323	0.261	ug/l	# 71

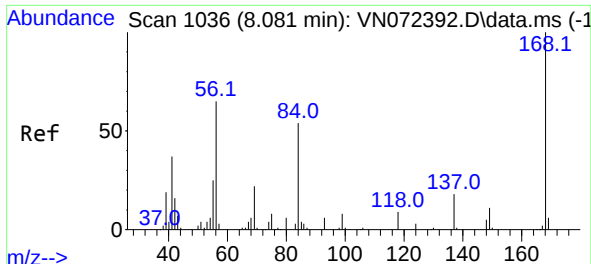
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 10 15:43:28 2022
Response via : Initial Calibration

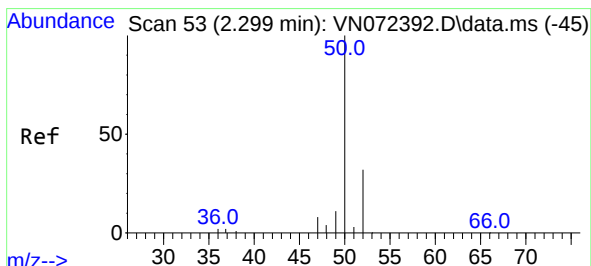
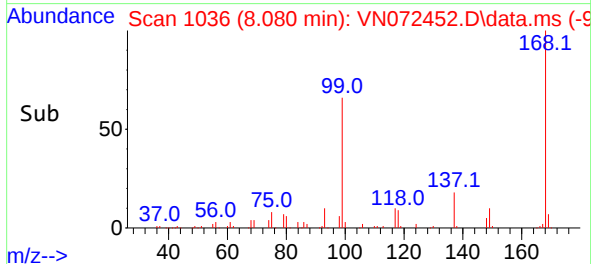
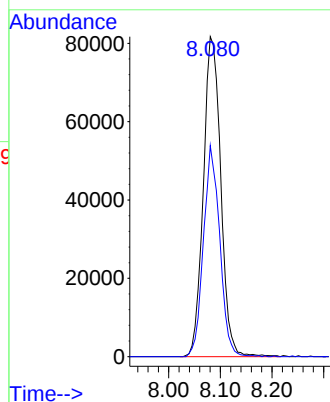
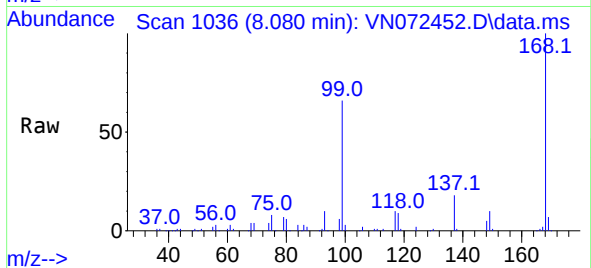




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

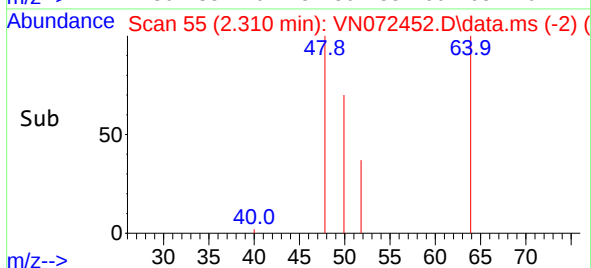
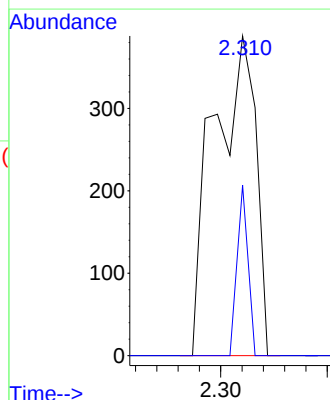
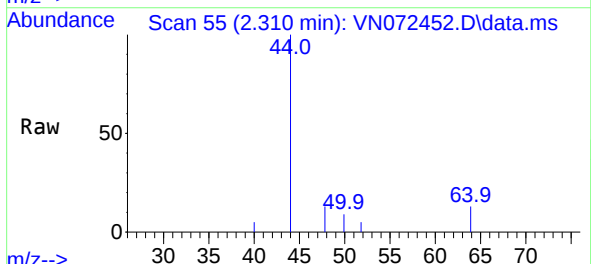
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ClientSampleId :
MW-11

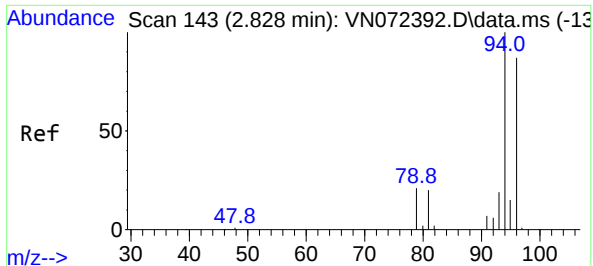
Tgt Ion:168 Resp: 191795
Ion Ratio Lower Upper
168 100
99 66.0 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.310 min Scan# 55
Delta R.T. 0.011 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 53.4 25.7 38.5#

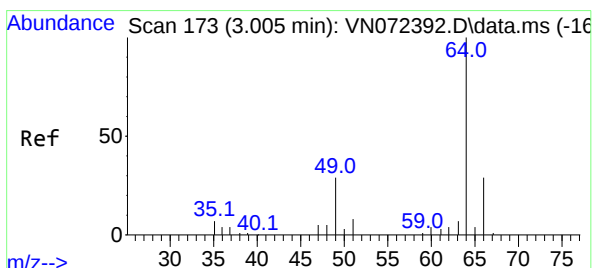
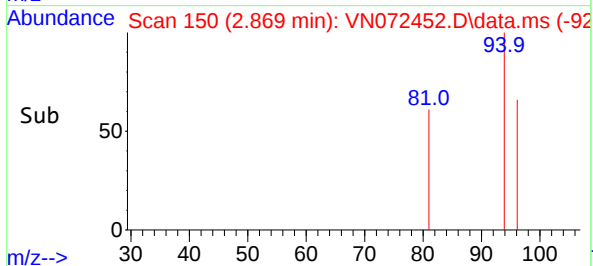
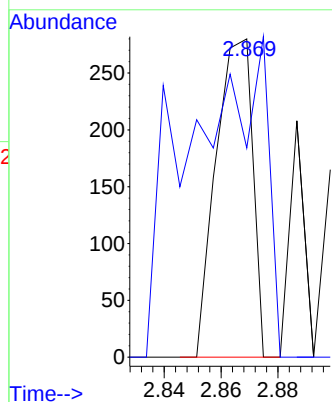
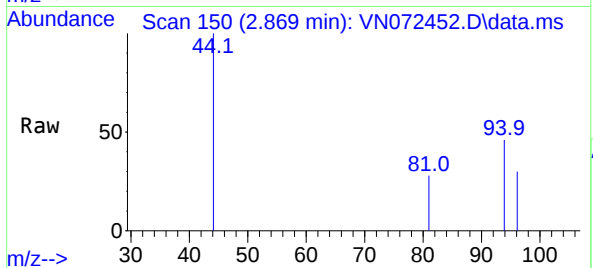




#5
Bromomethane
Concen: 0.207 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

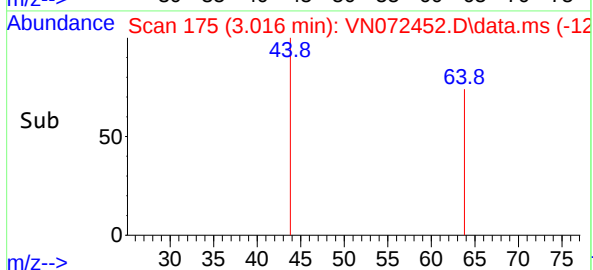
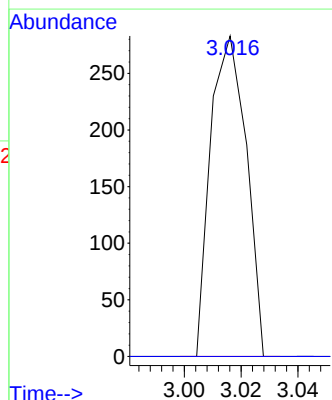
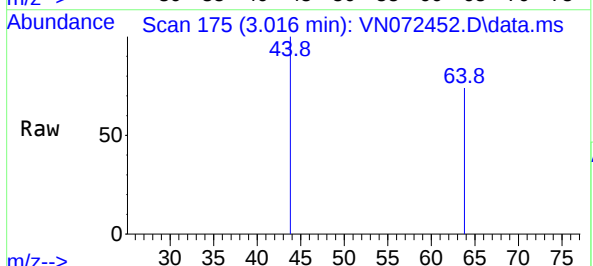
Instrument :
MSVOA_N
ClientSampleId :
MW-11

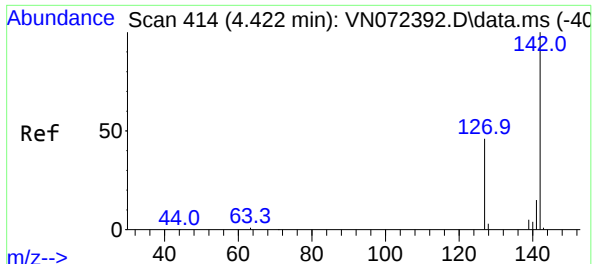
Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 65.7 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.016 min Scan# 175
Delta R.T. 0.011 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 64 Resp: 247
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

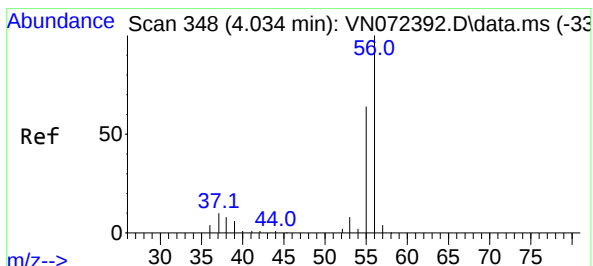
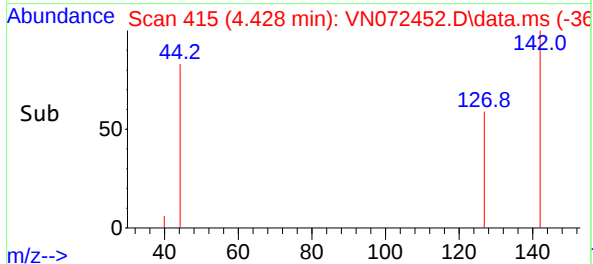
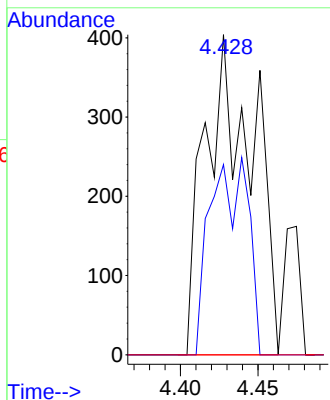
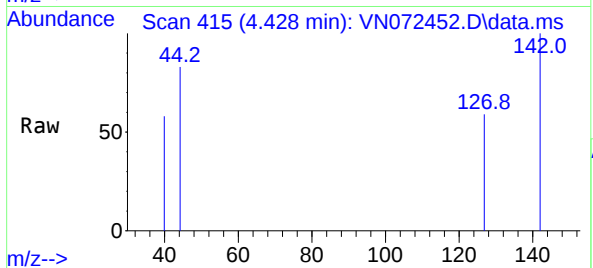




#10
Methyl Iodide
Concen: 0.316 ug/l
RT: 4.428 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

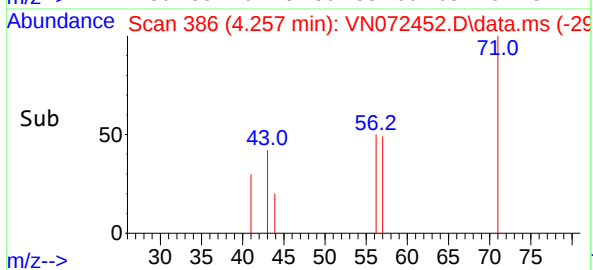
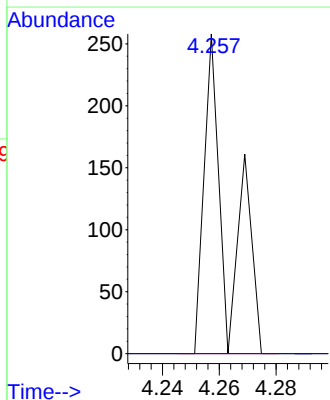
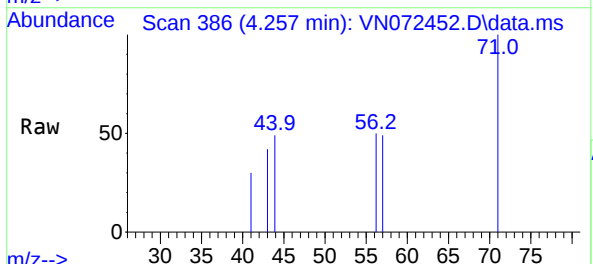
Instrument :
MSVOA_N
ClientSampleId :
MW-11

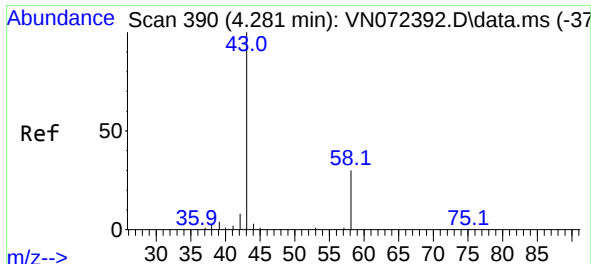
Tgt Ion:142 Resp: 863
Ion Ratio Lower Upper
142 100
127 48.8 31.3 46.9#
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 0.315 ug/l
RT: 4.257 min Scan# 386
Delta R.T. 0.223 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

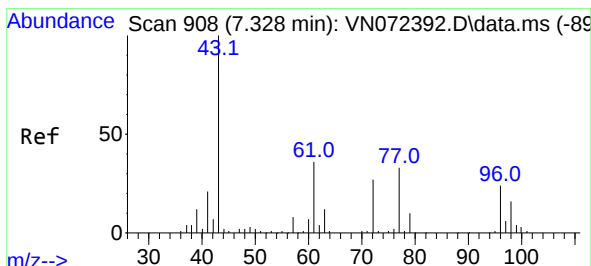
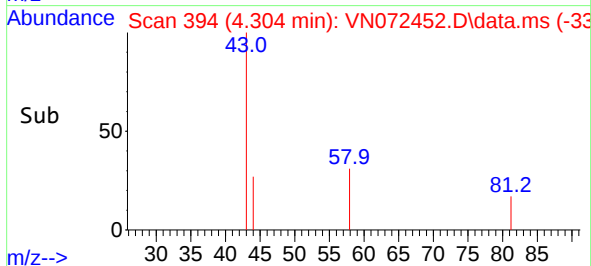
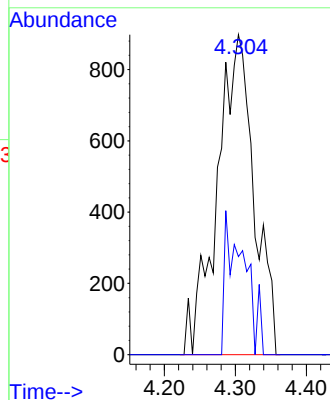
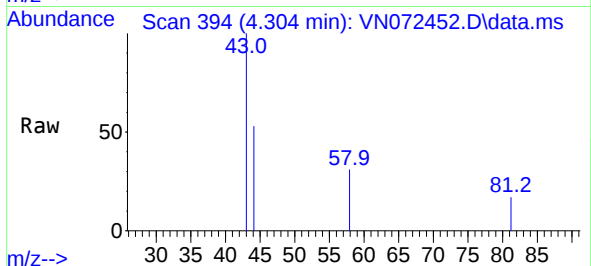




#16
Acetone
Concen: 2.793 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.023 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

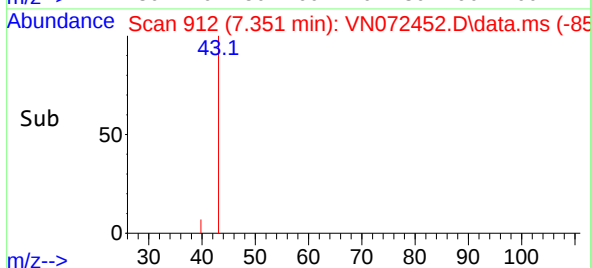
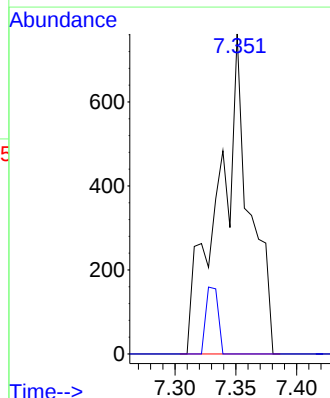
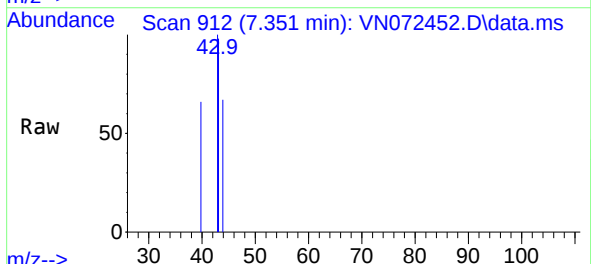
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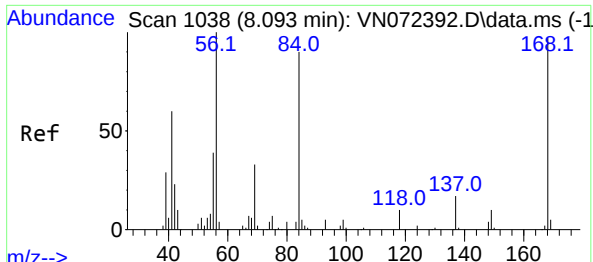
Tgt Ion: 43 Resp: 3249
Ion Ratio Lower Upper
43 100
58 30.6 26.0 39.0



#25
2-Butanone
Concen: 0.741 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

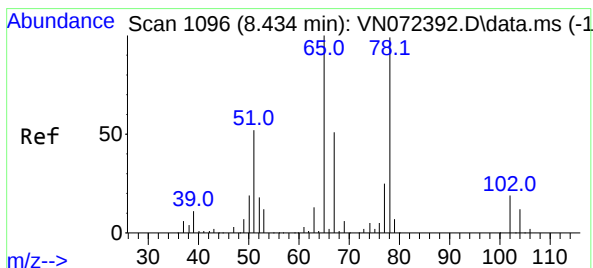
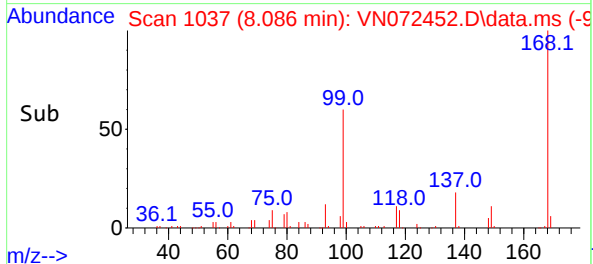
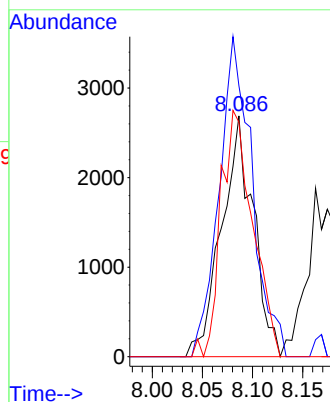
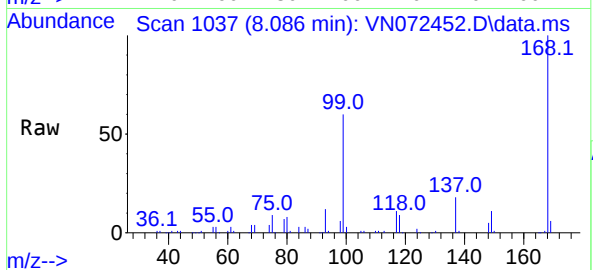




#31
Cyclohexane
Concen: 1.524 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.007 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

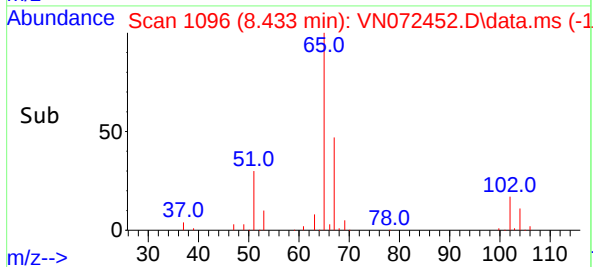
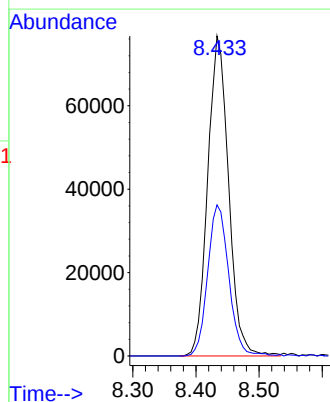
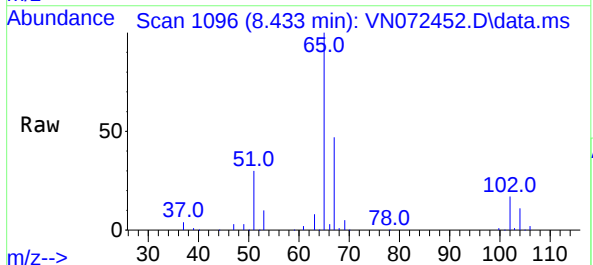
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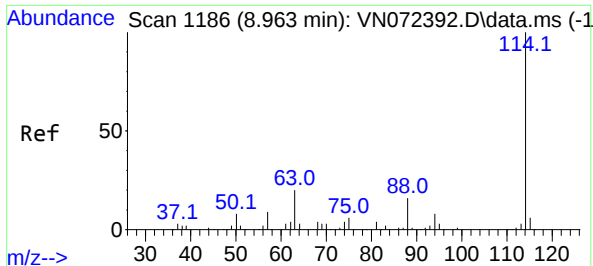
Tgt Ion: 56 Resp: 5932
Ion Ratio Lower Upper
56 100
69 112.5 27.8 41.8#
84 97.4 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 60.074 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 65 Resp: 176477
Ion Ratio Lower Upper
65 100
67 47.7 0.0 104.8

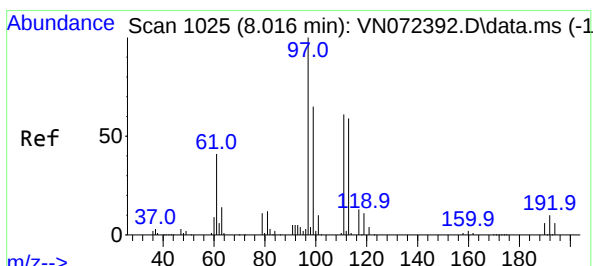
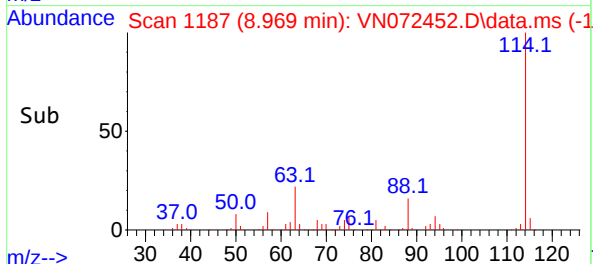
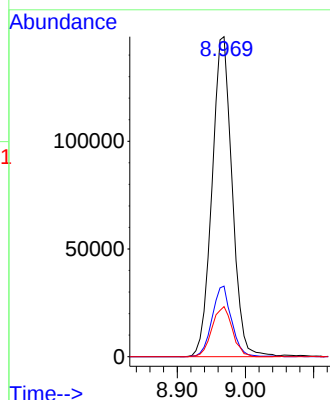
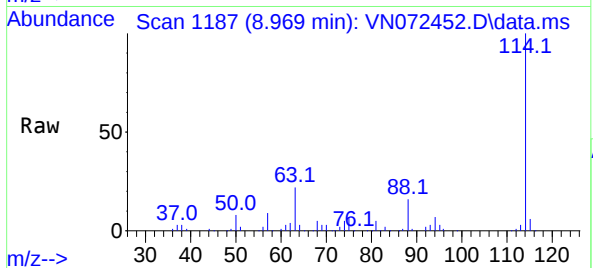




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1186
Delta R.T. 0.006 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

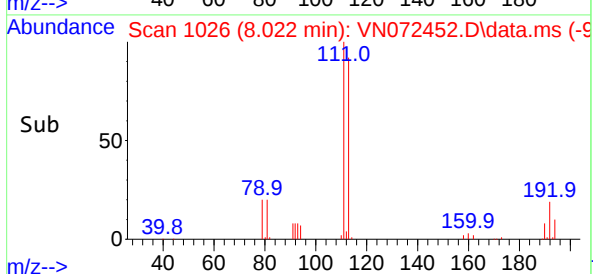
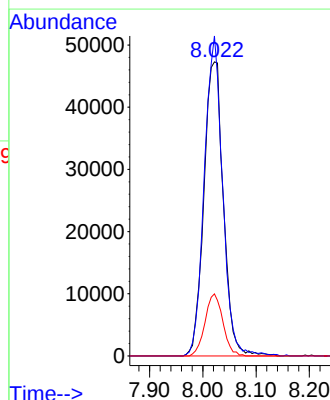
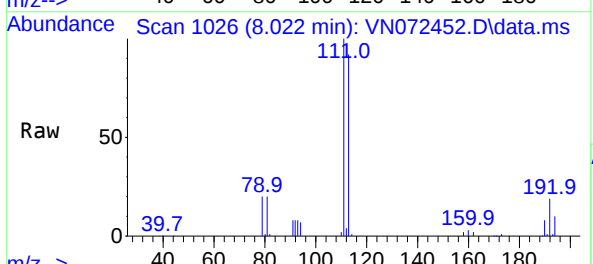
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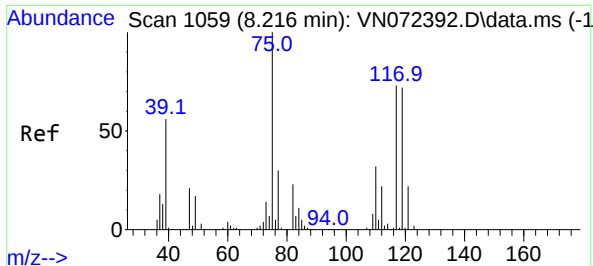
Tgt Ion:114 Resp: 304611
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.0
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 59.445 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion:113 Resp: 120470
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 19.3 17.0 25.6

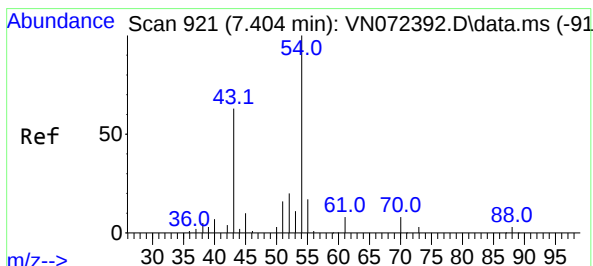
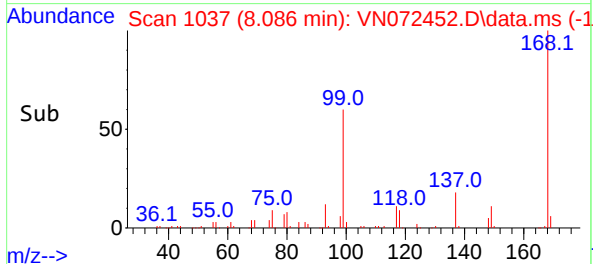
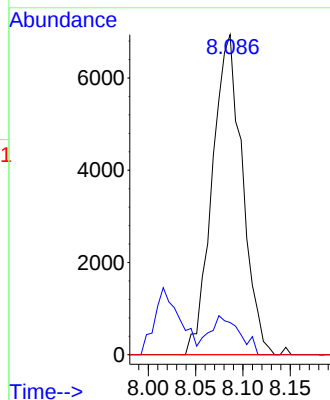
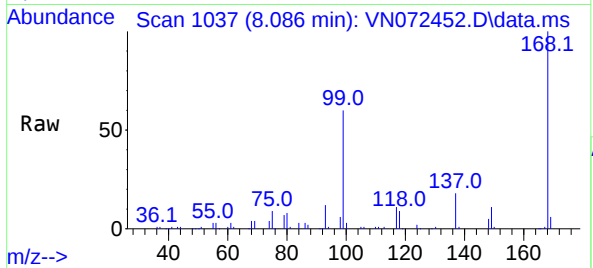




#36
1,1-Dichloropropene
Concen: 5.271 ug/l
RT: 8.086 min Scan# 1059
Delta R.T. -0.130 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

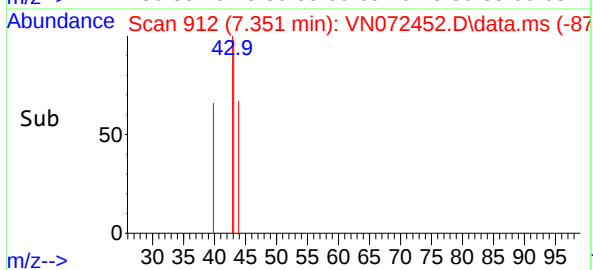
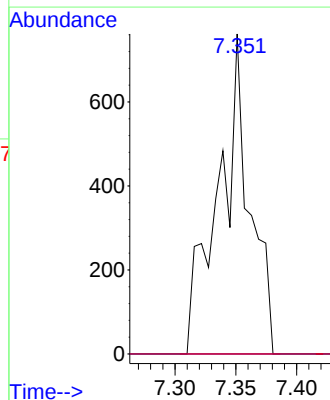
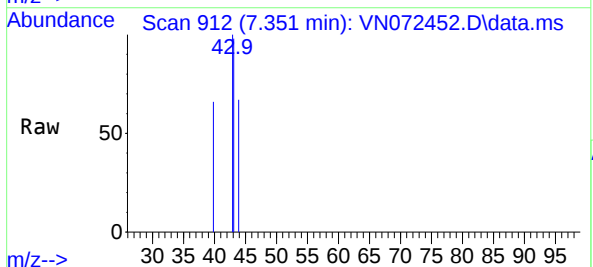
Instrument :
MSVOA_N
ClientSampleId :
MW-11

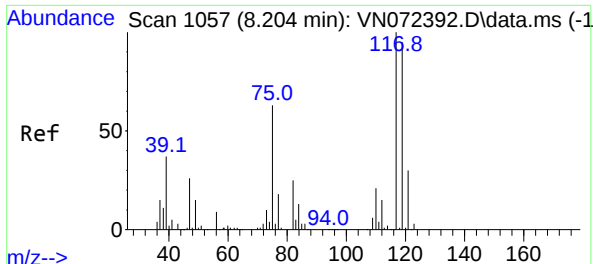
Tgt Ion: 75 Resp: 15343
Ion Ratio Lower Upper
75 100
110 12.2 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.390 ug/l
RT: 7.351 min Scan# 912
Delta R.T. -0.053 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#

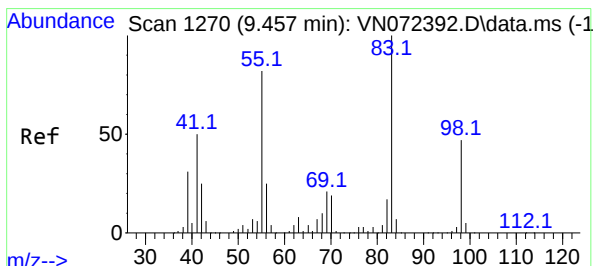
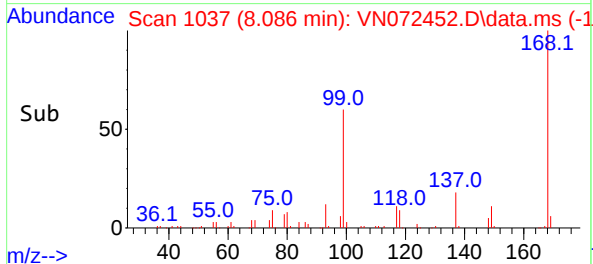
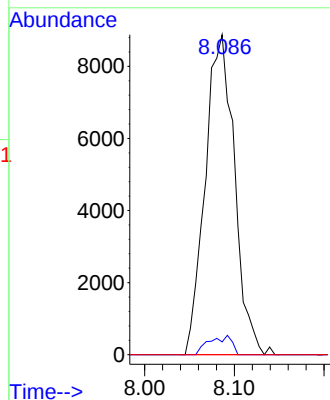
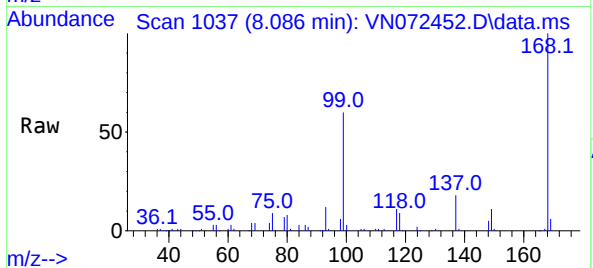




#38
Carbon Tetrachloride
Concen: 6.178 ug/l
RT: 8.086 min Scan# 11
Delta R.T. -0.118 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

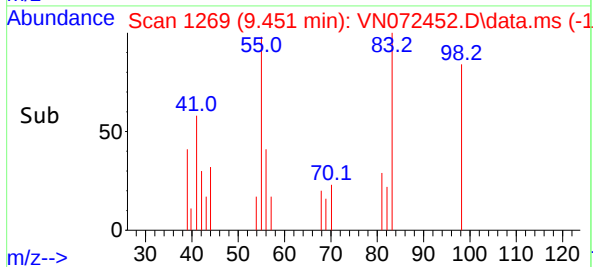
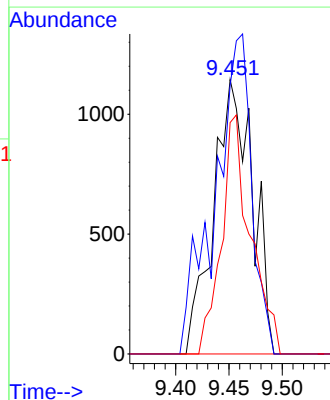
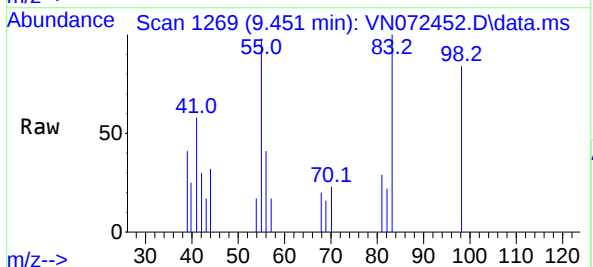
Instrument :
MSVOA_N
ClientSampleId :
MW-11

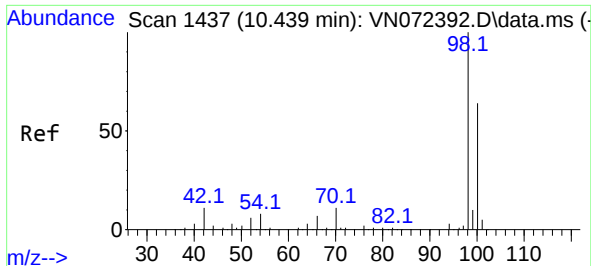
Tgt Ion:117 Resp: 20127
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.891 ug/l
RT: 9.451 min Scan# 1269
Delta R.T. -0.006 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 83 Resp: 2914
Ion Ratio Lower Upper
83 100
55 97.9 57.8 86.8#
98 84.3 39.4 59.2#

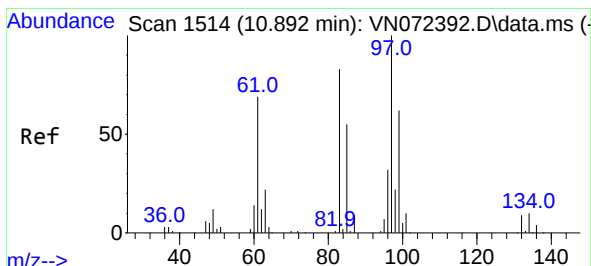
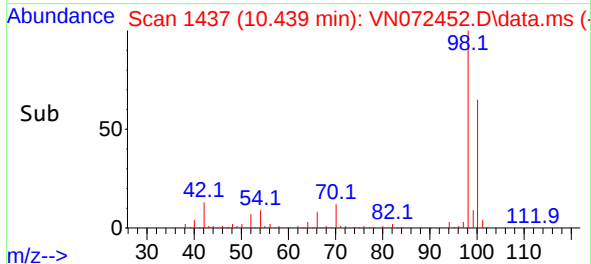
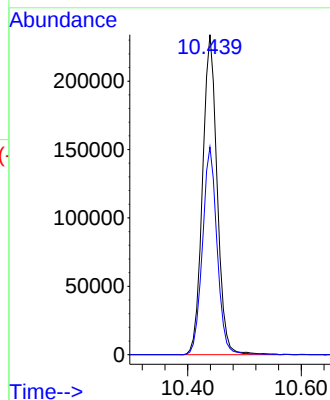
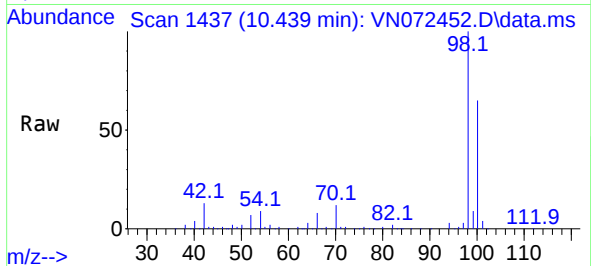




#50
Toluene-d8
Concen: 54.032 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

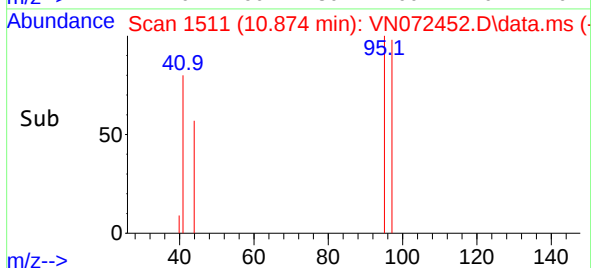
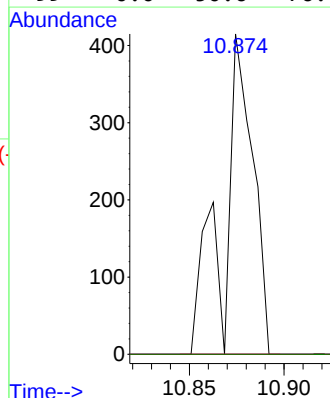
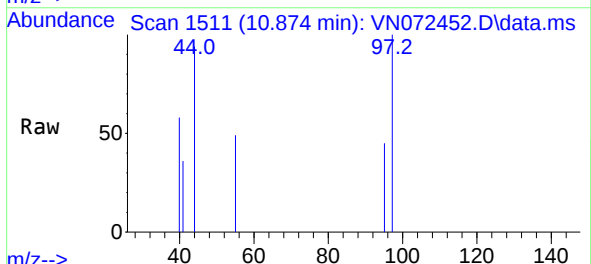
Instrument :
MSVOA_N
ClientSampleId :
MW-11

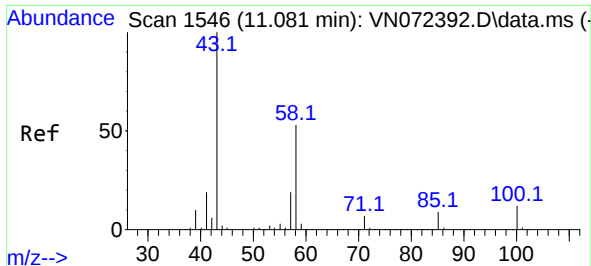
Tgt Ion: 98 Resp: 417033
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.204 ug/l
RT: 10.874 min Scan# 1511
Delta R.T. -0.018 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 97 Resp: 456
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 0.0 43.9 65.9#
99 0.0 50.6 76.0#

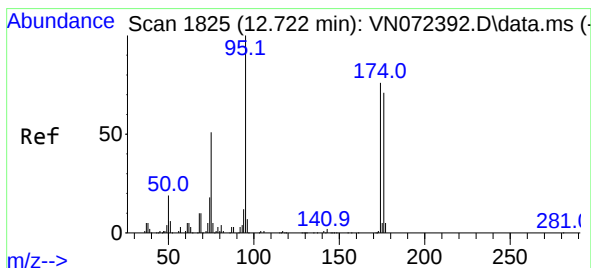
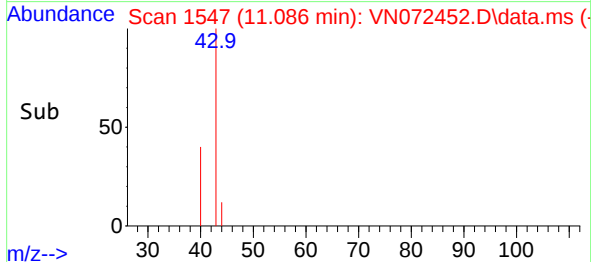
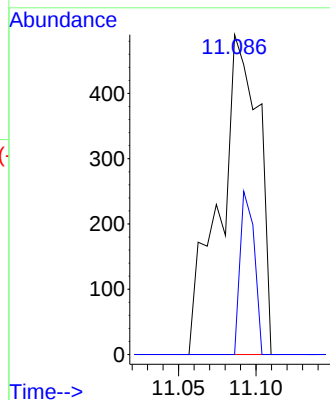
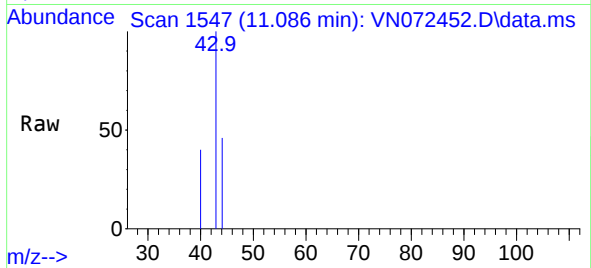




#59
2-Hexanone
Concen: 0.369 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

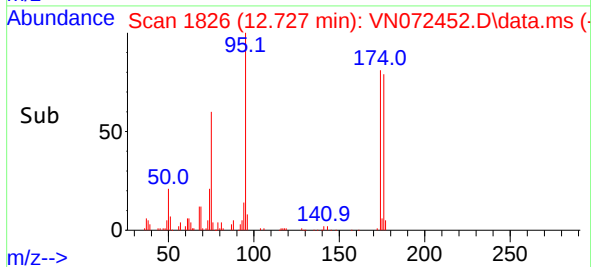
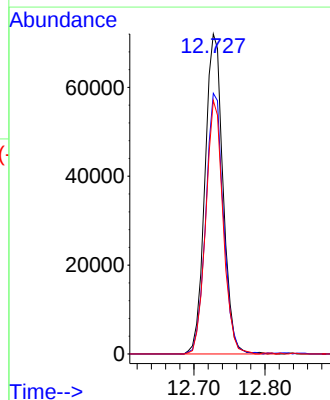
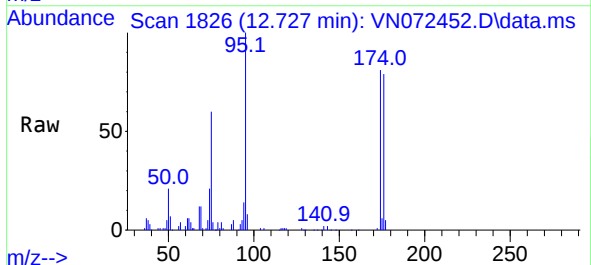
Instrument :
MSVOA_N
ClientSampleId :
MW-11

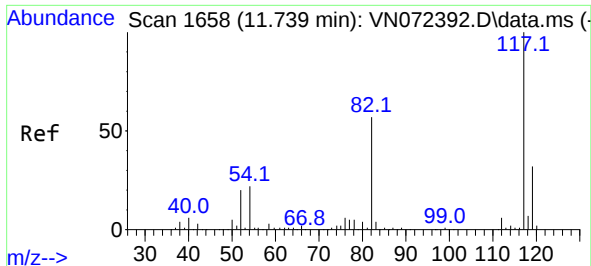
Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
58 18.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 49.548 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.005 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 95 Resp: 127003
Ion Ratio Lower Upper
95 100
174 80.0 0.0 167.6
176 76.1 0.0 163.4

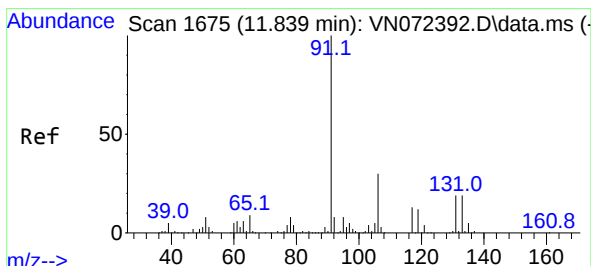
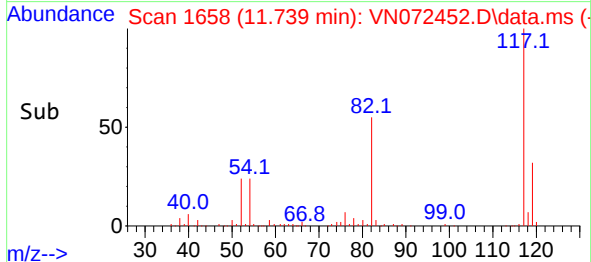
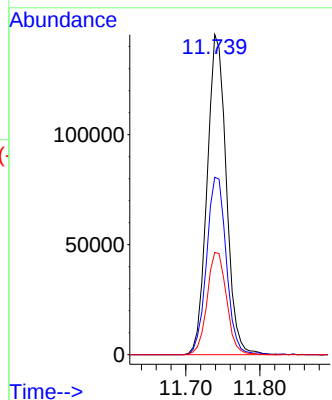
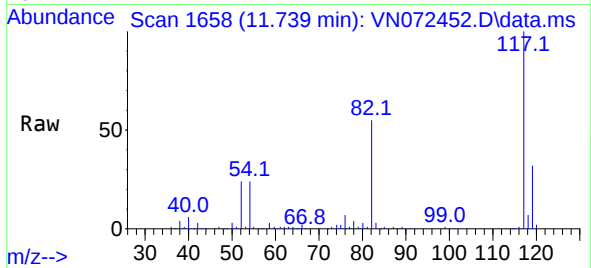




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

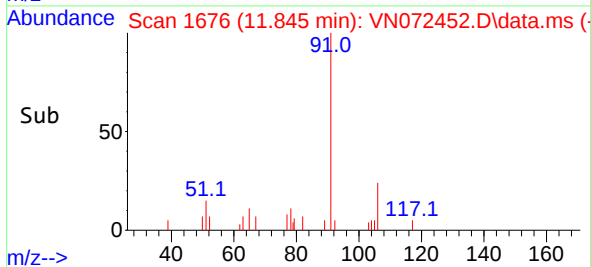
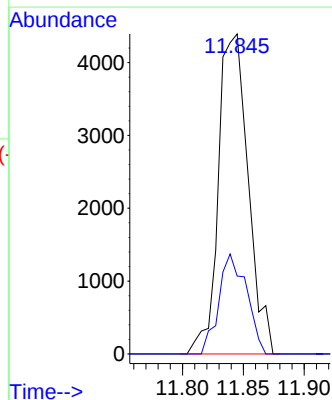
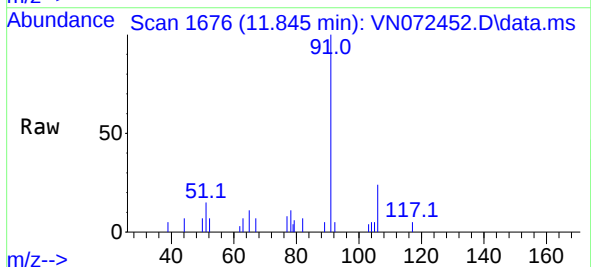
Instrument :
MSVOA_N
ClientSampleId :
MW-11

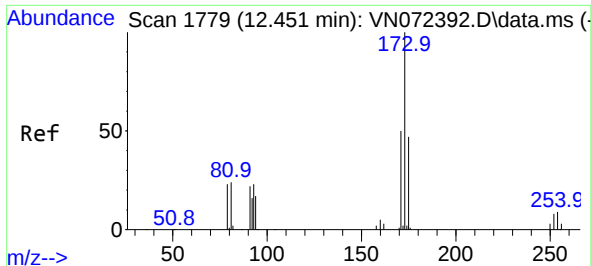
Tgt Ion:117 Resp: 261583
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.0 25.4 38.0



#67
Ethyl Benzene
Concen: 0.811 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 91 Resp: 7479
Ion Ratio Lower Upper
91 100
106 24.3 24.9 37.3#

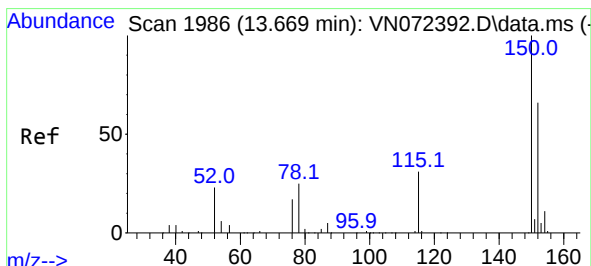
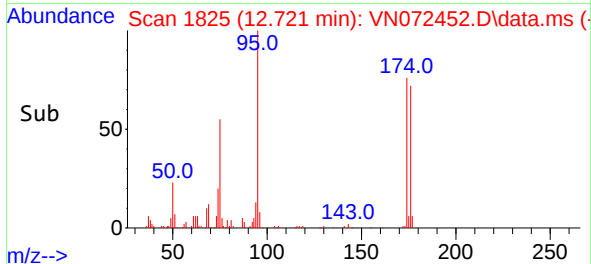
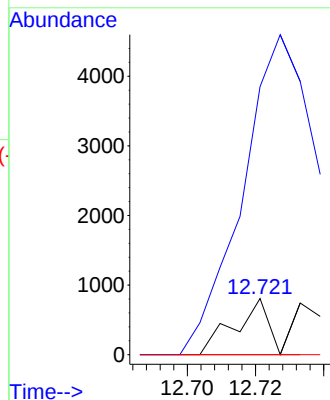
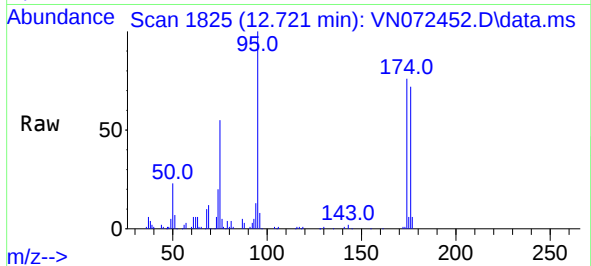




#71
Bromoform
Concen: 0.354 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

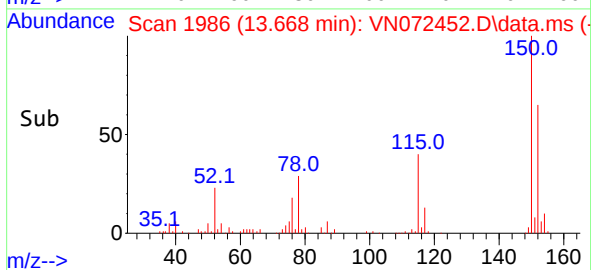
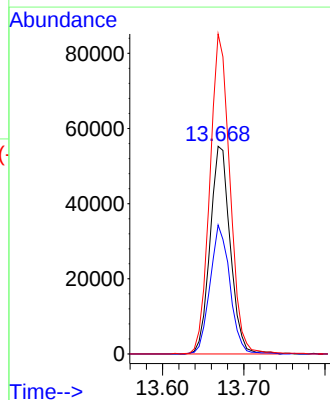
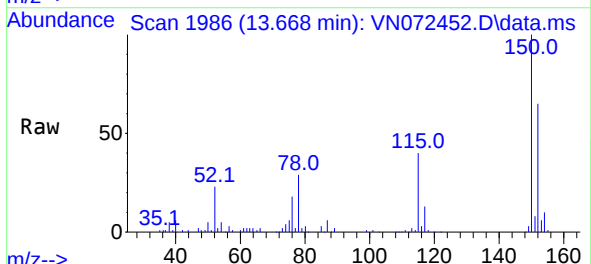
Instrument :
MSVOA_N
ClientSampleId :
MW-11

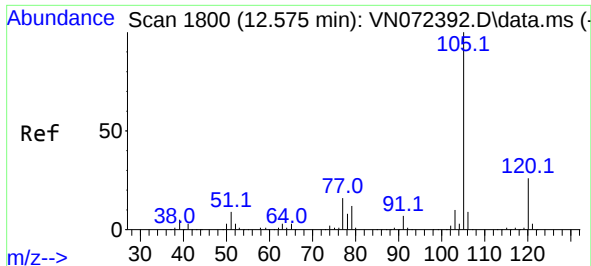
Tgt Ion:173 Resp: 559
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion:152 Resp: 95415
Ion Ratio Lower Upper
152 100
115 61.1 28.9 86.7
150 153.7 0.0 356.2

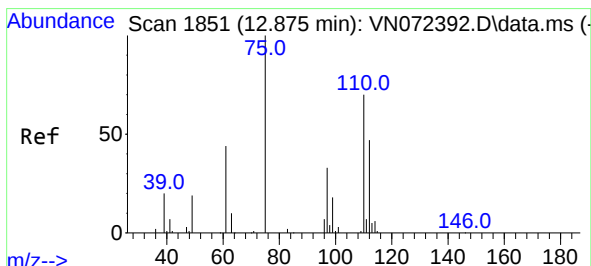
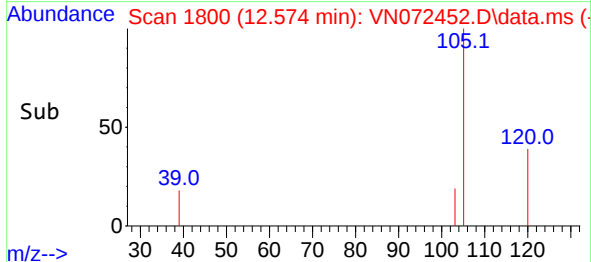
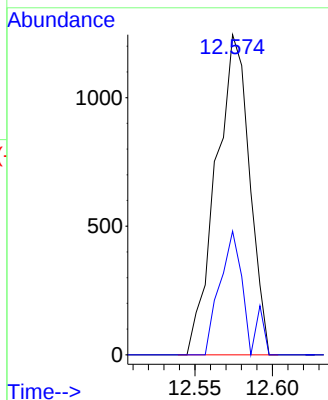
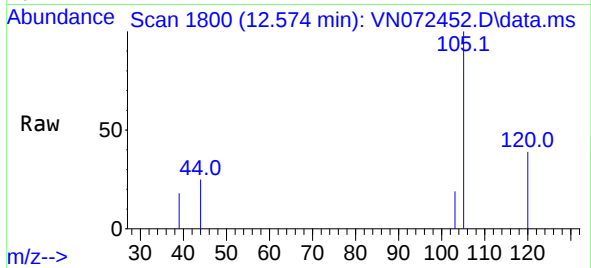




#73
Isopropylbenzene
Concen: 0.237 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

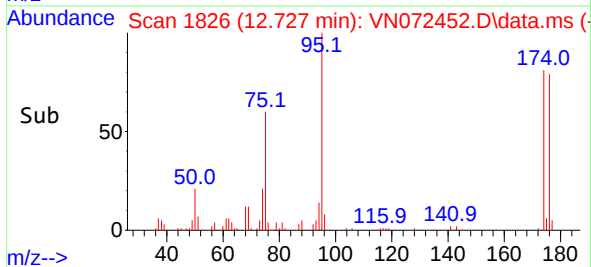
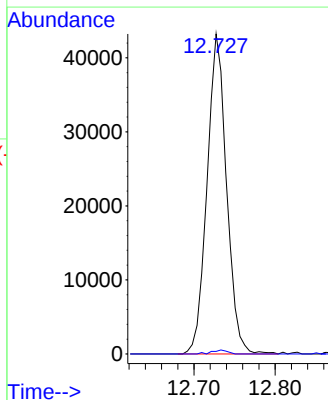
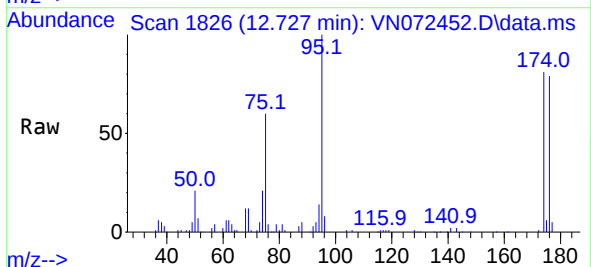
Instrument :
MSVOA_N
ClientSampleId :
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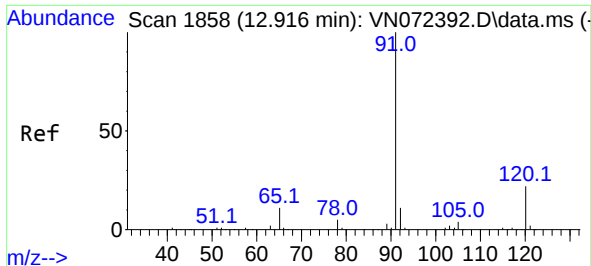
Tgt Ion:105 Resp: 1874
Ion Ratio Lower Upper
105 100
120 28.4 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 28.972 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.148 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 75 Resp: 72100
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#

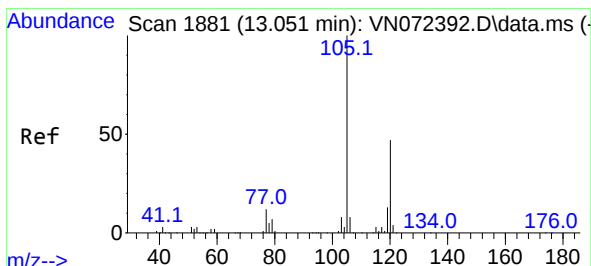
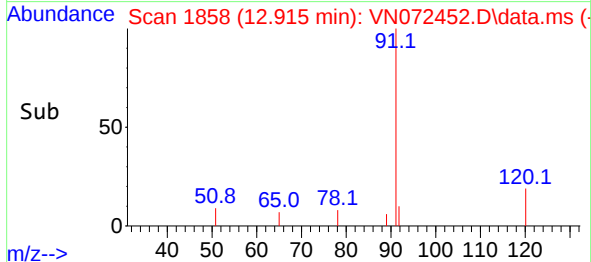
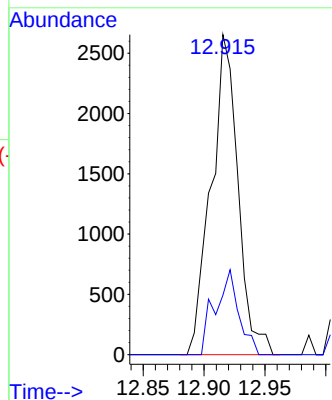
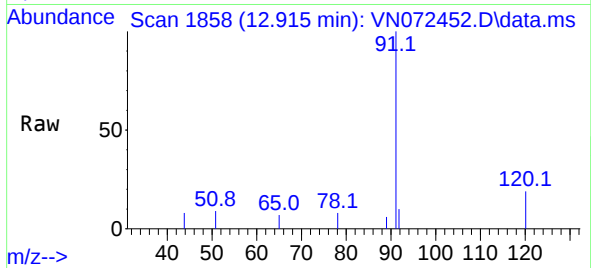




#78
n-propylbenzene
Concen: 0.482 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

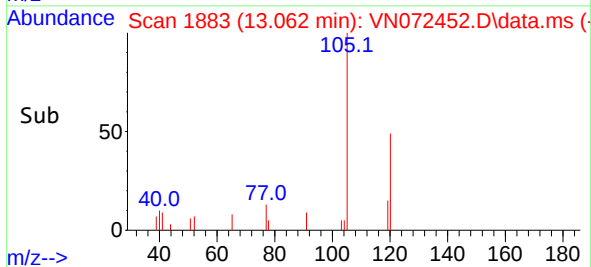
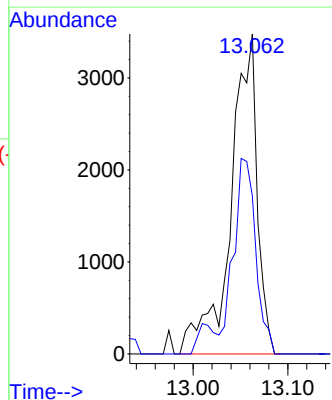
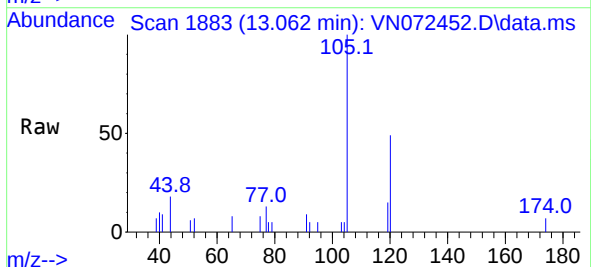
Instrument :
MSVOA_N
ClientSampleId :
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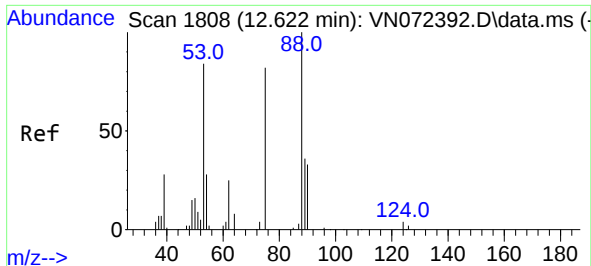
Tgt Ion: 91 Resp: 4076
Ion Ratio Lower Upper
91 100
120 23.3 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 1.040 ug/l
RT: 13.062 min Scan# 1883
Delta R.T. 0.011 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 105 Resp: 6733
Ion Ratio Lower Upper
105 100
120 50.9 24.9 74.7

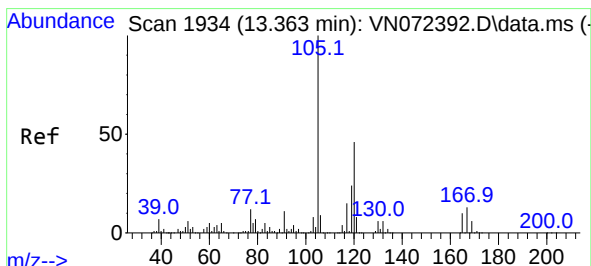
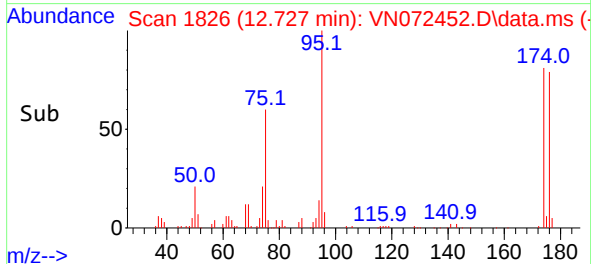
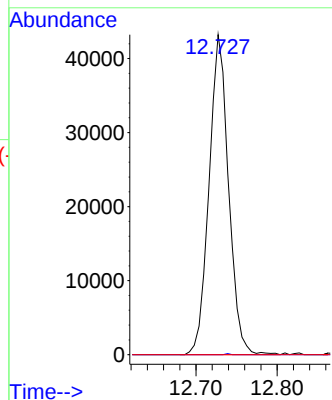
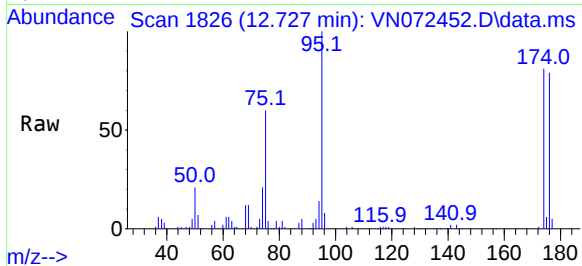




#81
trans-1,4-Dichloro-2-butene
Concen: 96.651 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

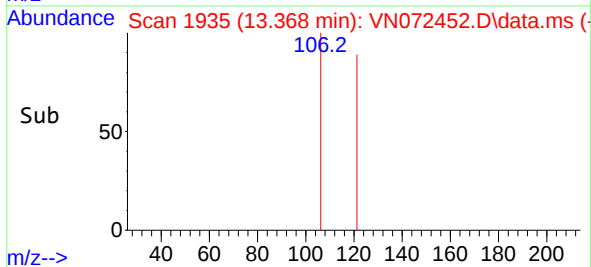
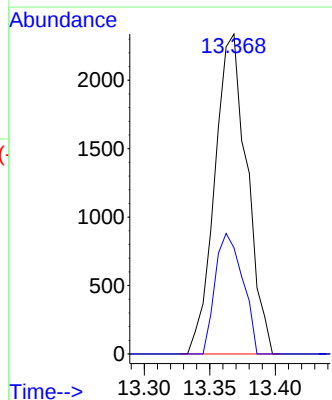
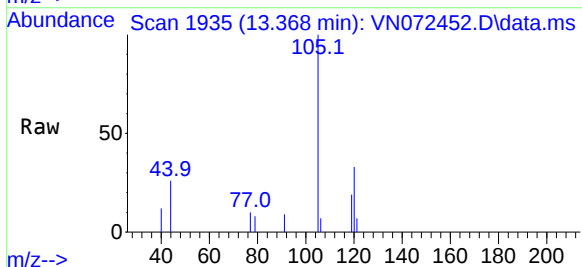
Instrument :
MSVOA_N
ClientSampleId :
MW-11

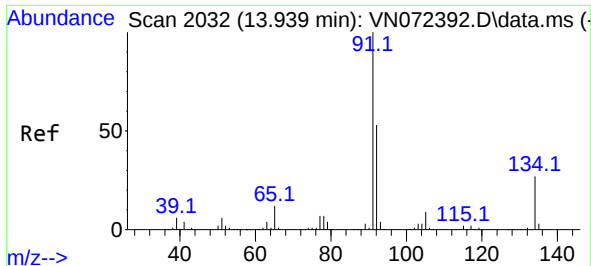
Tgt Ion: 75 Resp: 72100
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.634 ug/l
RT: 13.368 min Scan# 1935
Delta R.T. 0.005 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 105 Resp: 3994
Ion Ratio Lower Upper
105 100
120 32.1 23.3 69.8

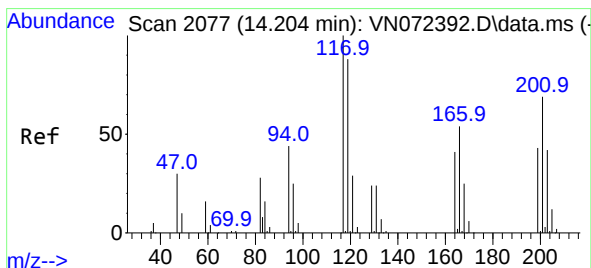
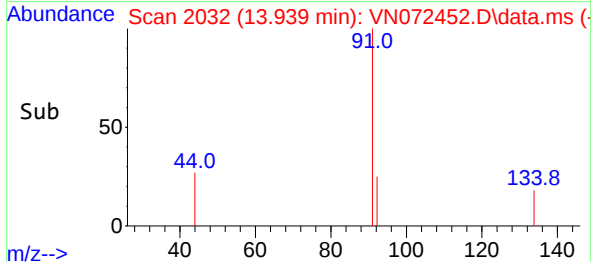
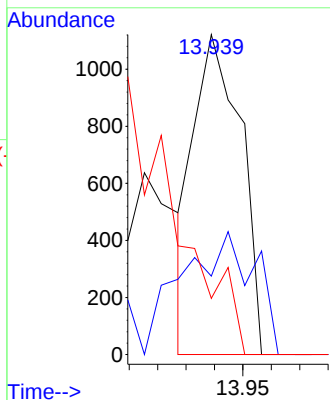
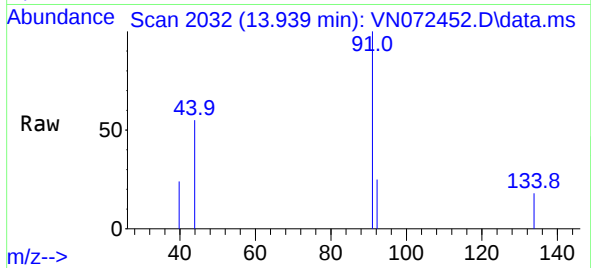




#89
n-Butylbenzene
Concen: 0.284 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

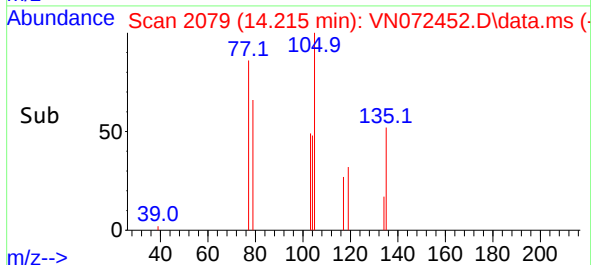
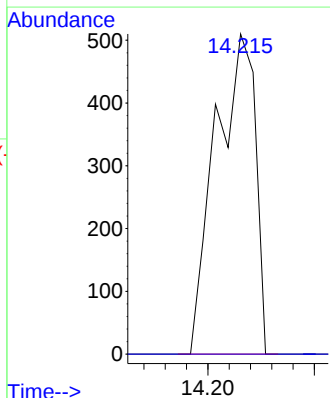
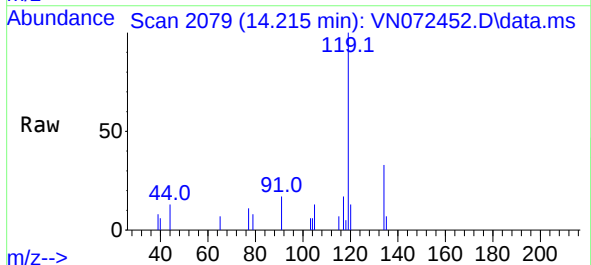
Instrument :
MSVOA_N
ClientSampleId :
MW-11

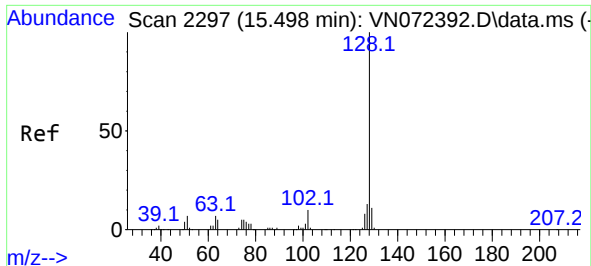
Tgt Ion: 91 Resp: 1280
Ion Ratio Lower Upper
91 100
92 64.8 26.9 80.7
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 0.560 ug/l
RT: 14.215 min Scan# 2079
Delta R.T. 0.011 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion: 117 Resp: 659
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#

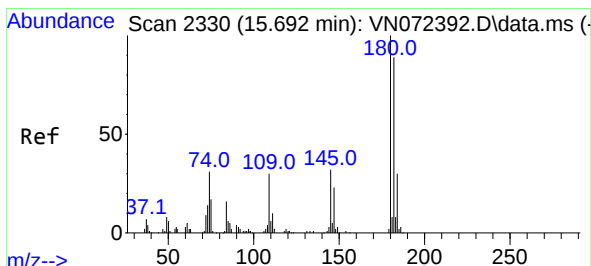
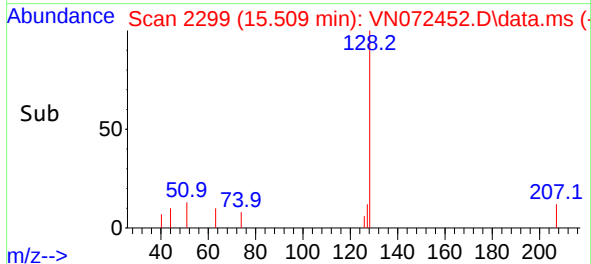
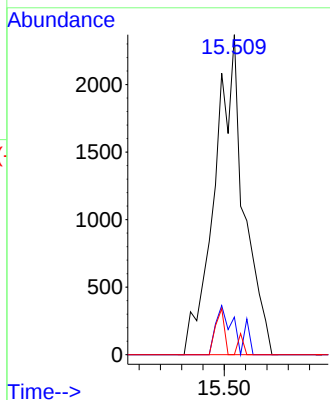
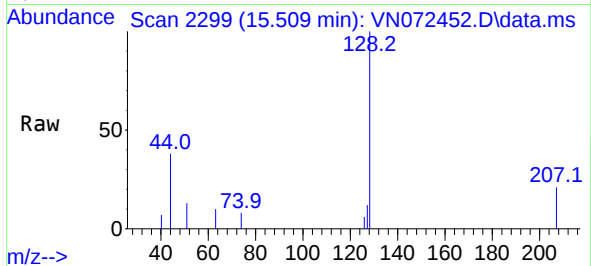




#95
Naphthalene
Concen: 4.104 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Instrument :
MSVOA_N
ClientSampleId :
MW-11

Tgt Ion:128 Resp: 4517
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 1.2 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.261 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN072452.D
Acq: 12 May 2022 14:55

Tgt Ion:180 Resp: 323
Ion Ratio Lower Upper
180 100
182 114.9 47.8 143.3
145 0.0 15.5 46.5#

