

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071753.D
 Acq On : 01 Apr 2022 15:19
 Operator : JC\MD
 Sample : N2090-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-47

Quant Time: Apr 02 00:54:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

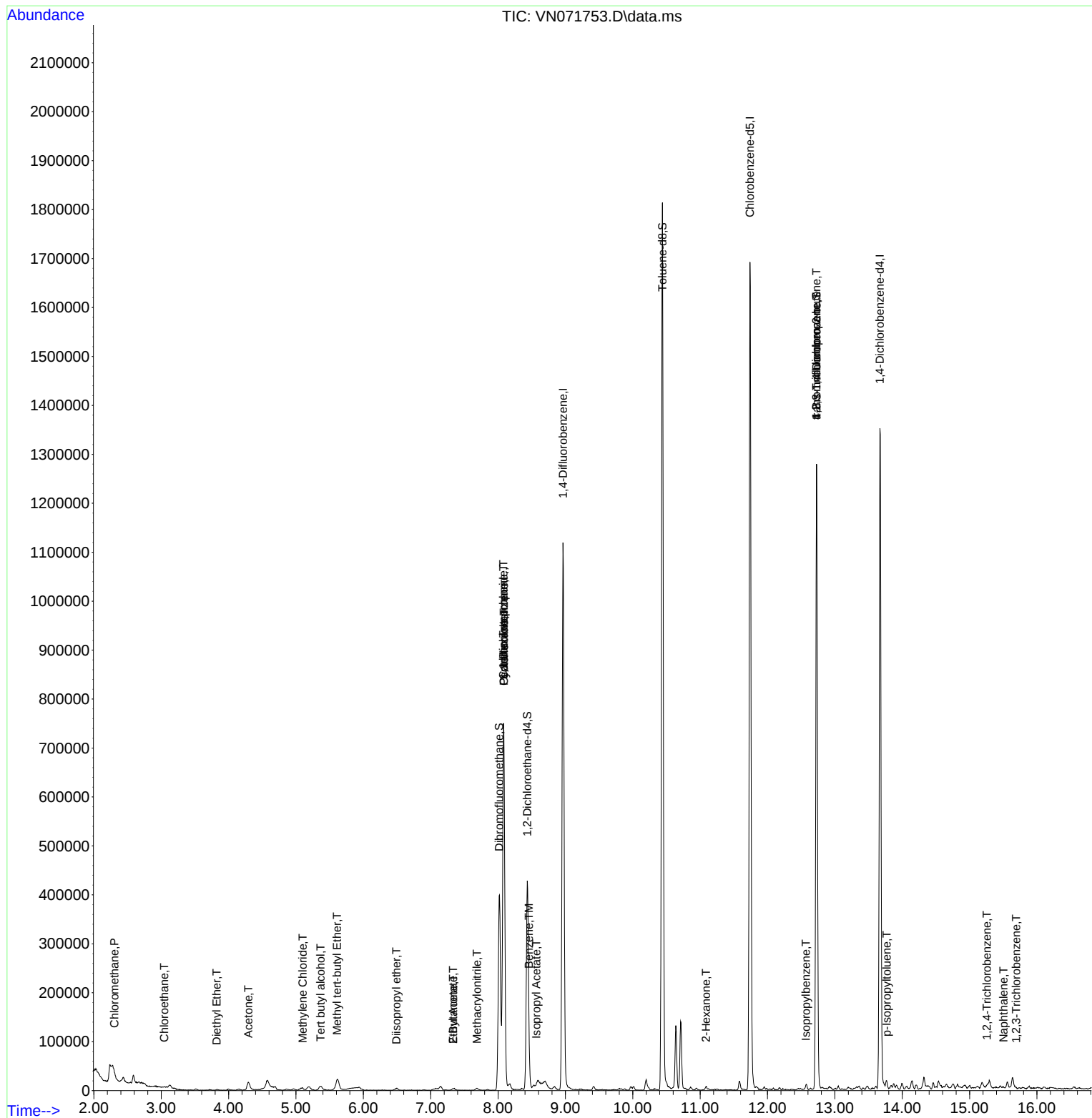
Internal Standards						
1) Pentafluorobenzene	8.087	168	607191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1043050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1064153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	406795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	356139	51.378	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.760%	
35) Dibromofluoromethane	8.016	113	302622	49.305	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.620%	
50) Toluene-d8	10.439	98	1301029	51.817	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.640%	
62) 4-Bromofluorobenzene	12.727	95	453176	55.807	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 111.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	3484	0.570	ug/l #	64
6) Chloroethane	3.046	64	1012	0.209	ug/l #	77
8) Diethyl Ether	3.822	74	856	0.237	ug/l	94
11) Tert butyl alcohol	5.363	59	17217	15.305	ug/l	96
16) Acetone	4.293	43	29322	9.898	ug/l	95
18) Methyl Acetate	4.857	43	4538	Below Cal		98
19) Methyl tert-butyl Ether	5.610	73	33568	1.803	ug/l	95
20) Methylene Chloride	5.099	84	1374	0.220	ug/l #	57
22) Diisopropyl ether	6.493	45	4473	0.253	ug/l #	76
25) 2-Butanone	7.334	43	3931	0.920	ug/l	96
31) Cyclohexane	8.087	56	13889	1.473	ug/l #	4
36) 1,1-Dichloropropene	8.081	75	41055	4.790	ug/l #	48
37) Ethyl Acetate	7.334	43	3931	0.419	ug/l #	73
38) Carbon Tetrachloride	8.081	117	55810	6.644	ug/l #	17
40) Benzene	8.457	78	10992	0.406	ug/l	97
41) Methacrylonitrile	7.687	41	1241	0.270	ug/l #	30
43) Isopropyl Acetate	8.569	43	7291	0.467	ug/l #	53
59) 2-Hexanone	11.086	43	2788	0.441	ug/l #	49
73) Isopropylbenzene	12.569	105	7370	0.215	ug/l	97
76) 1,2,3-Trichloropropane	12.727	75	222444	23.605	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	222444	73.150	ug/l #	11
86) p-Isopropyltoluene	13.769	119	7803	0.304	ug/l	96
93) 1,2,4-Trichlorobenzene	15.257	180	482	2.157	ug/l #	1
95) Naphthalene	15.504	128	3130	3.959	ug/l	94
96) 1,2,3-Trichlorobenzene	15.692	180	203	2.445	ug/l #	1

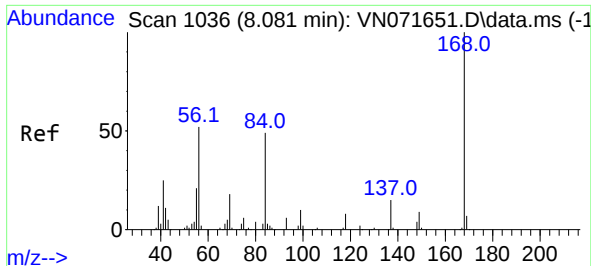
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
Data File : VN071753.D
Acq On : 01 Apr 2022 15:19
Operator : JC\MD
Sample : N2090-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-47

Quant Time: Apr 02 00:54:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

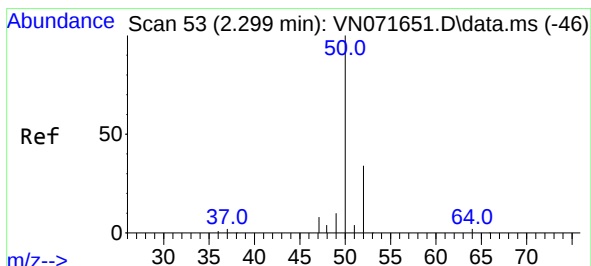
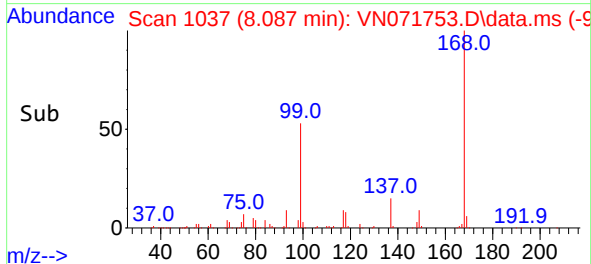
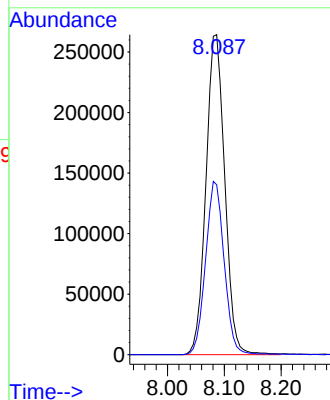
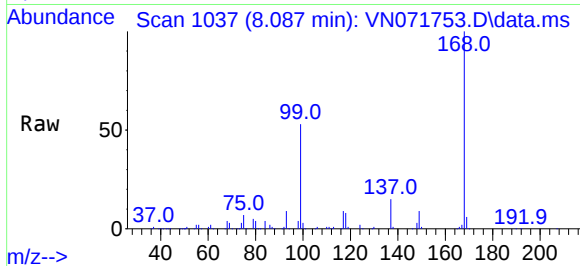




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

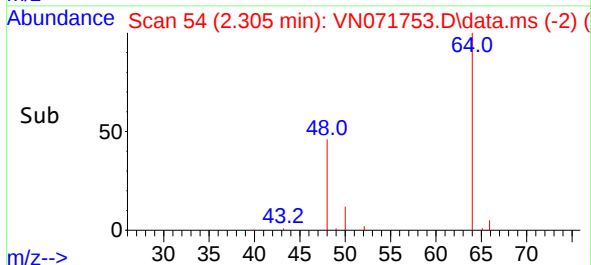
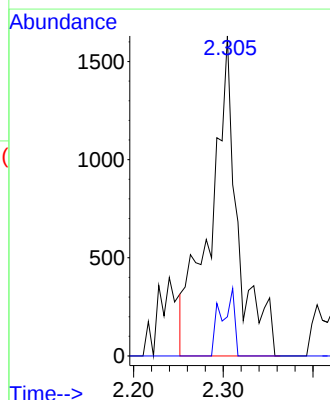
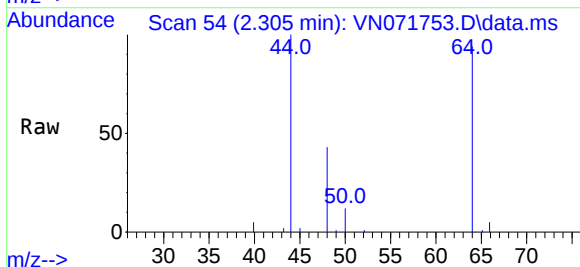
Instrument :
MSVOA_N
ClientSampleId :
MW-47

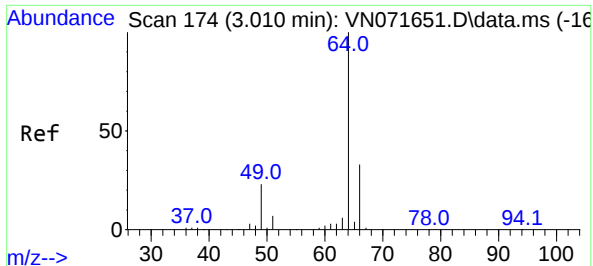
Tgt Ion:168 Resp: 607191
Ion Ratio Lower Upper
168 100
99 53.1 42.3 63.5



#3
Chloromethane
Concen: 0.570 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 50 Resp: 3484
Ion Ratio Lower Upper
50 100
52 12.3 25.7 38.5#

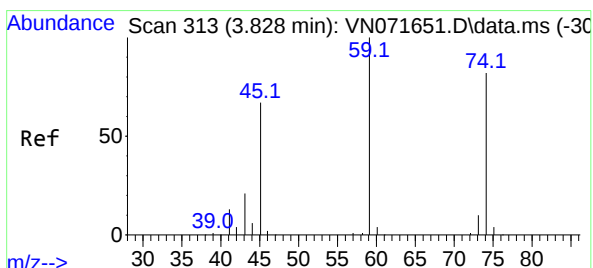
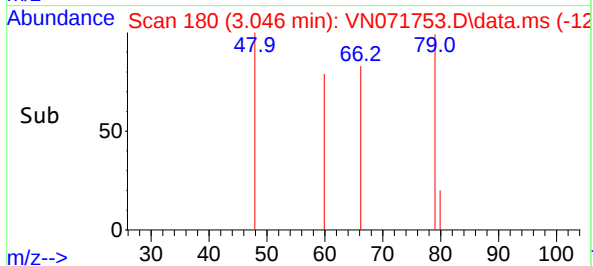
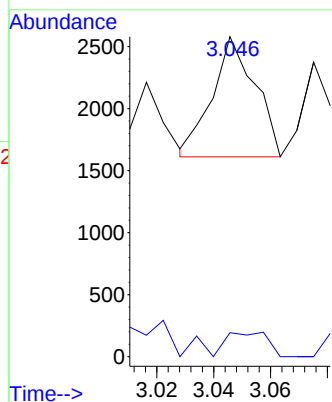
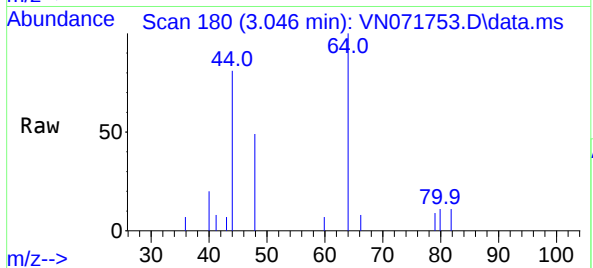




#6
Chloroethane
Concen: 0.209 ug/l
RT: 3.046 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

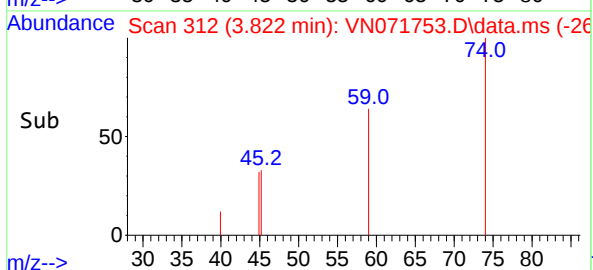
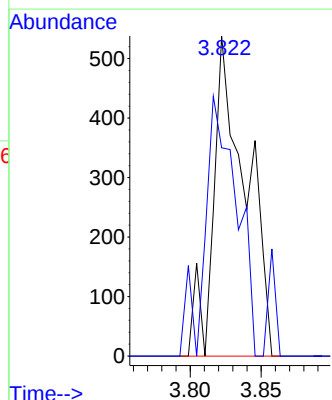
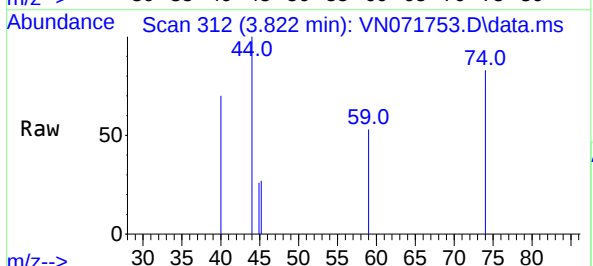
Instrument :
MSVOA_N
ClientSampleId :
MW-47

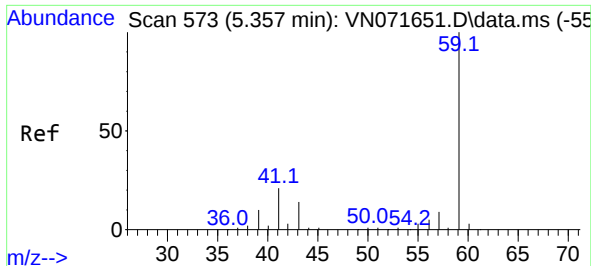
Tgt Ion: 64 Resp: 1012
Ion Ratio Lower Upper
64 100
66 20.0 26.2 39.4#



#8
Diethyl Ether
Concen: 0.237 ug/l
RT: 3.822 min Scan# 312
Delta R.T. -0.006 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 74 Resp: 856
Ion Ratio Lower Upper
74 100
45 80.3 42.9 128.5

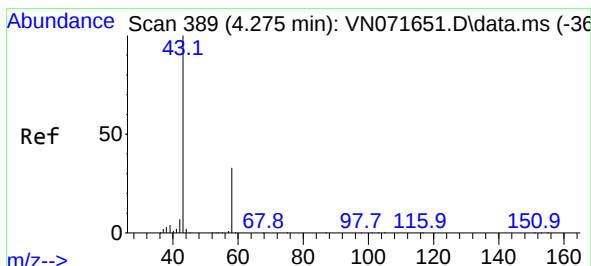
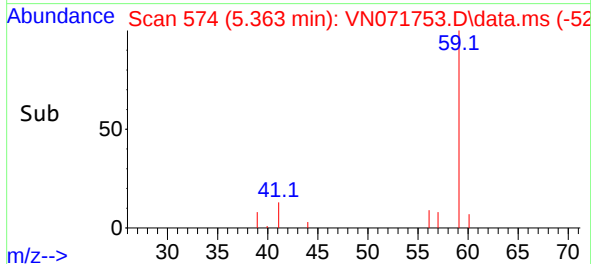
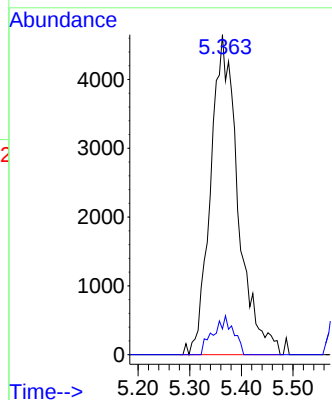
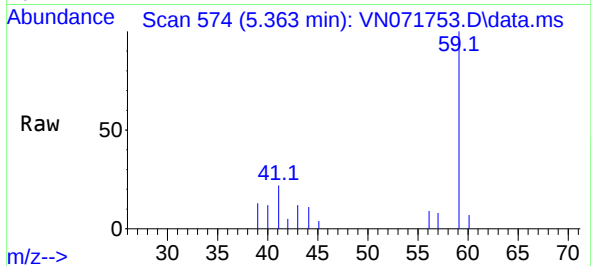




#11
Tert butyl alcohol
Concen: 15.305 ug/l
RT: 5.363 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

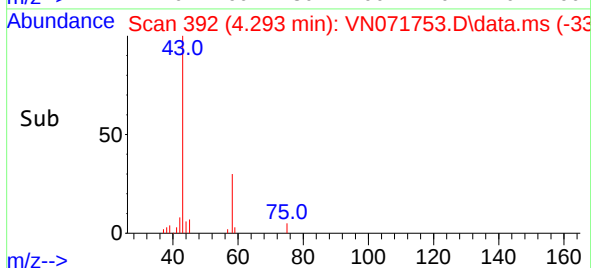
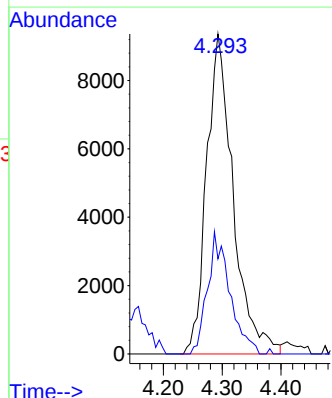
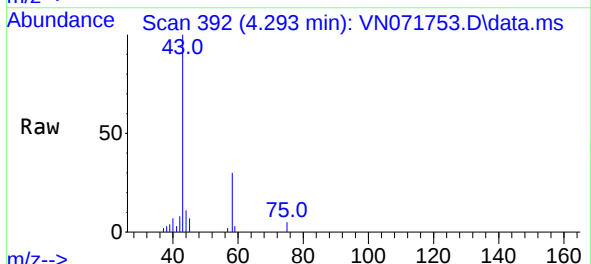
Instrument :
MSVOA_N
ClientSampleId :
MW-47

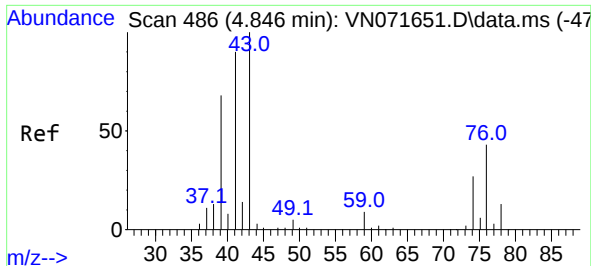
Tgt Ion: 59 Resp: 17217
Ion Ratio Lower Upper
59 100
57 8.8 8.3 12.5



#16
Acetone
Concen: 9.898 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 43 Resp: 29322
Ion Ratio Lower Upper
43 100
58 29.8 26.0 39.0

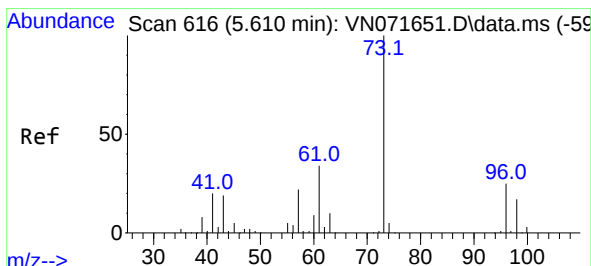
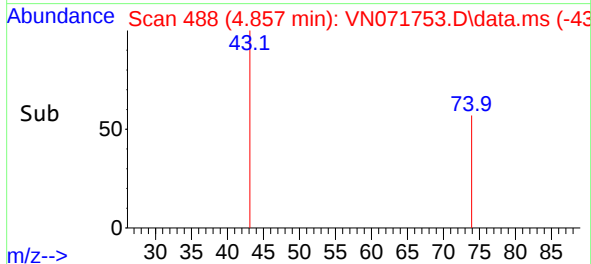
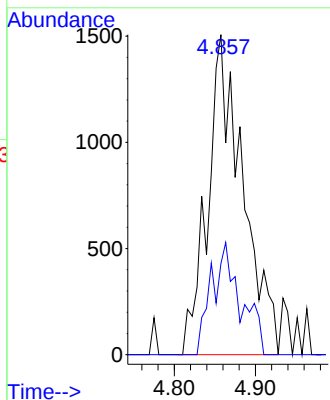
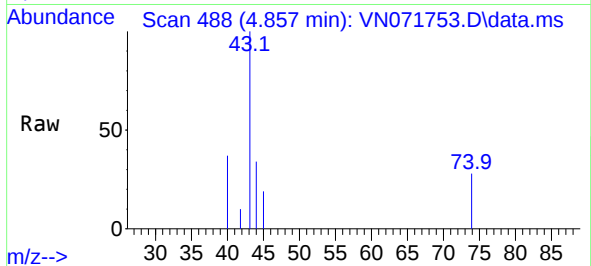




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 486
Delta R.T. 0.011 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

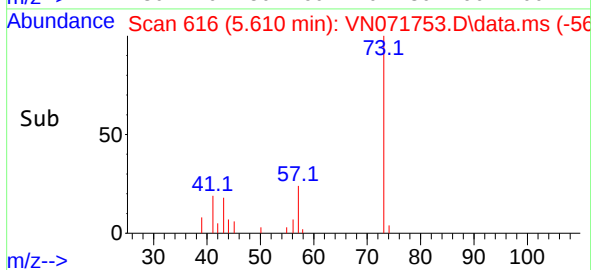
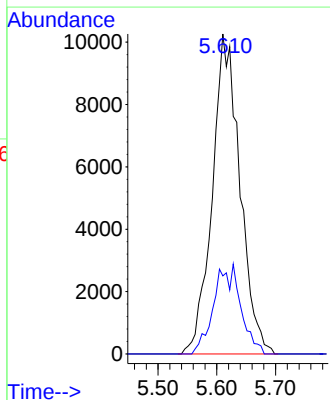
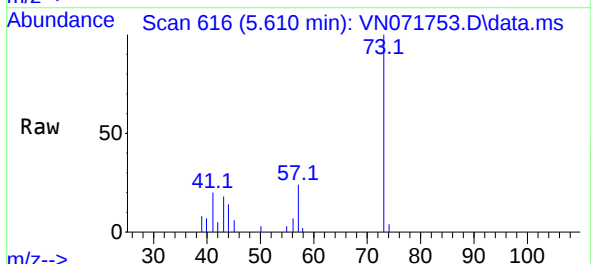
Instrument :
MSVOA_N
ClientSampleId :
MW-47

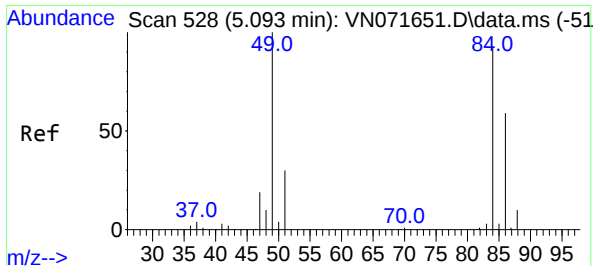
Tgt Ion: 43 Resp: 4538
Ion Ratio Lower Upper
43 100
74 25.9 21.6 32.4



#19
Methyl tert-butyl Ether
Concen: 1.803 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 73 Resp: 33568
Ion Ratio Lower Upper
73 100
57 24.4 17.6 26.4



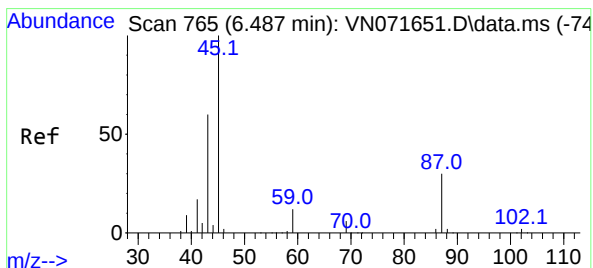
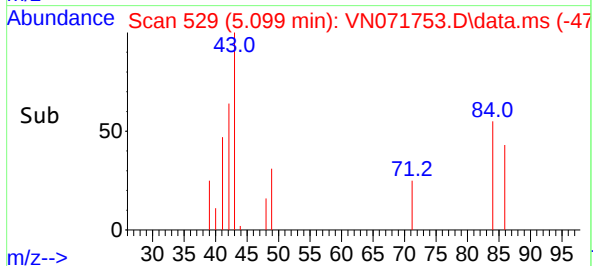
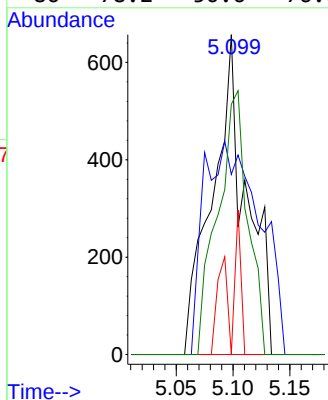
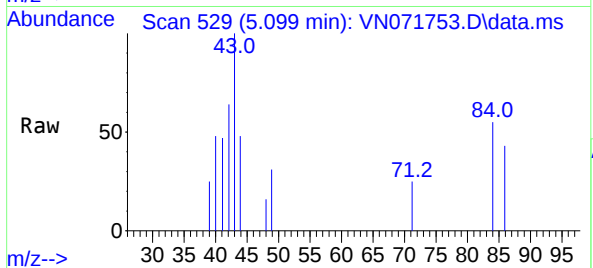


#20
Methylene Chloride
Concen: 0.220 ug/l
RT: 5.099 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Instrument :
MSVOA_N
ClientSampleId :
MW-47

Tgt Ion: 84 Resp: 1374

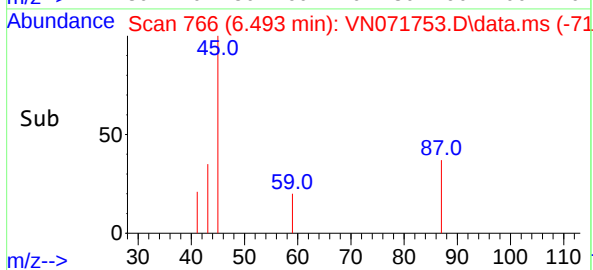
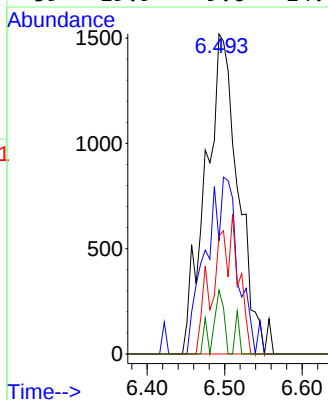
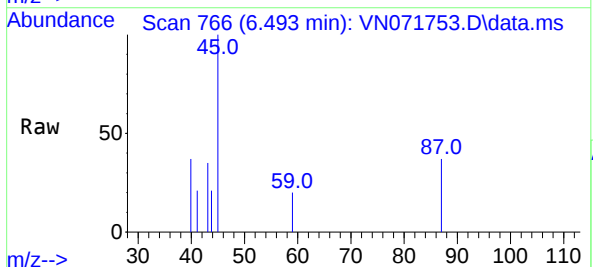
Ion	Ratio	Lower	Upper
84	100		
49	56.3	88.3	132.5#
51	0.0	28.2	42.2#
86	78.2	50.6	76.0#

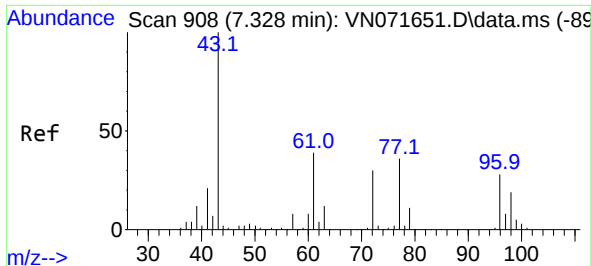


#22
Diisopropyl ether
Concen: 0.253 ug/l
RT: 6.493 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 45 Resp: 4473

Ion	Ratio	Lower	Upper
45	100		
43	35.3	46.6	70.0#
87	36.8	24.3	36.5#
59	19.9	9.6	14.4#





#25

2-Butanone

Concen: 0.920 ug/l

RT: 7.334 min Scan# 90

Delta R.T. 0.006 min

Lab File: VN071753.D

Acq: 01 Apr 2022 15:19

Instrument :

MSVOA_N

ClientSampleId :

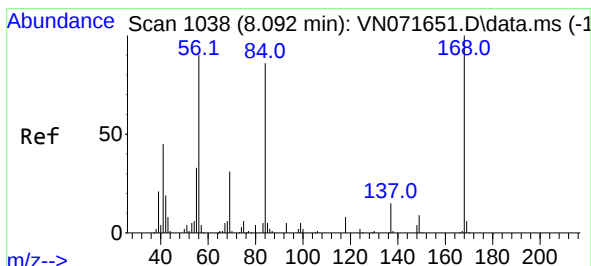
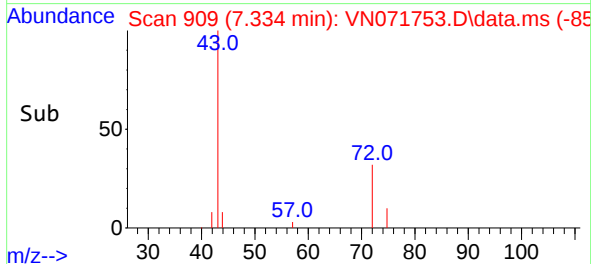
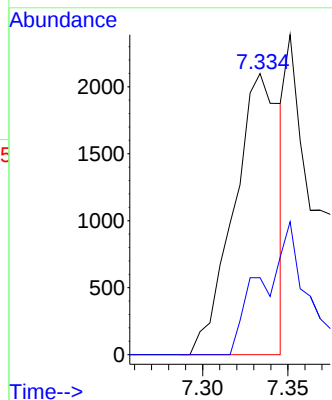
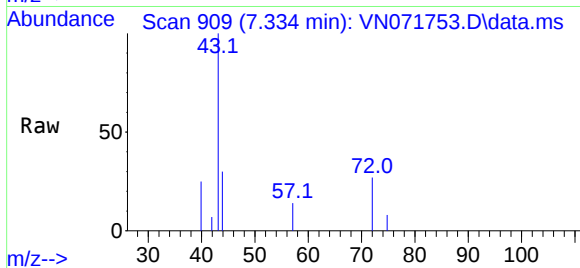
MW-47

Tgt Ion: 43 Resp: 3931

Ion Ratio Lower Upper

43 100

72 27.3 23.7 35.5



#31

Cyclohexane

Concen: 1.473 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.005 min

Lab File: VN071753.D

Acq: 01 Apr 2022 15:19

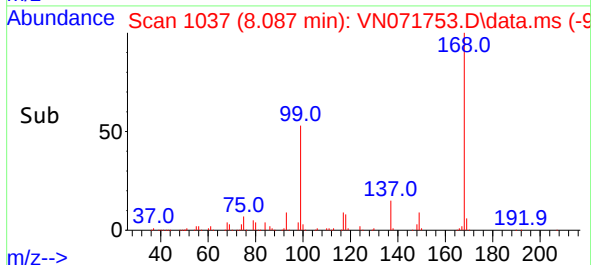
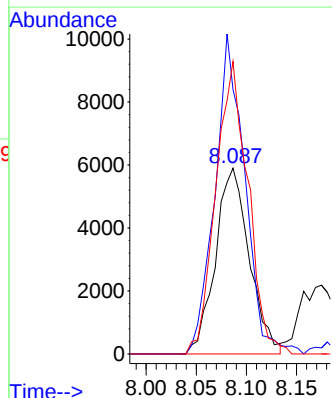
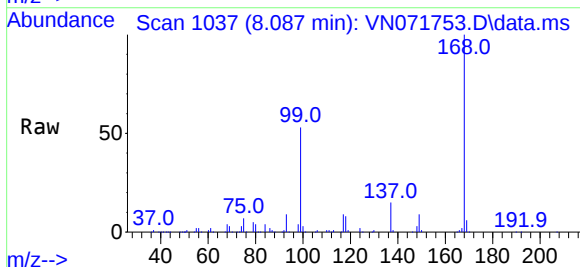
Tgt Ion: 56 Resp: 13889

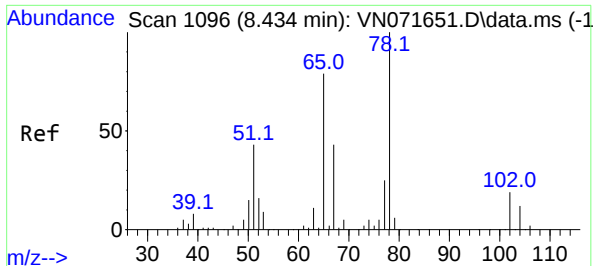
Ion Ratio Lower Upper

56 100

69 142.4 27.8 41.8#

84 157.5 76.9 115.3#

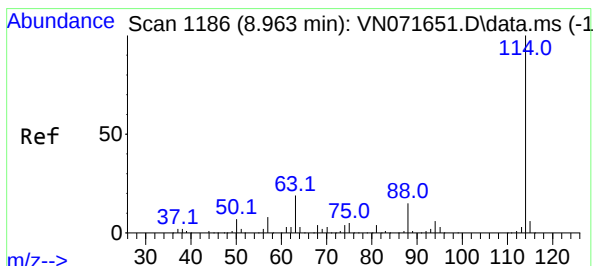
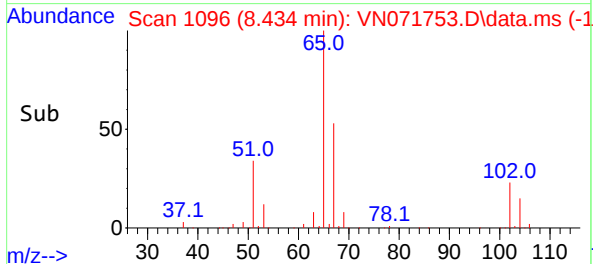
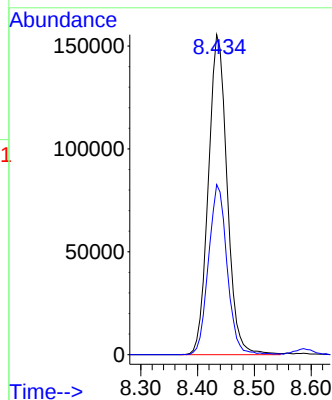
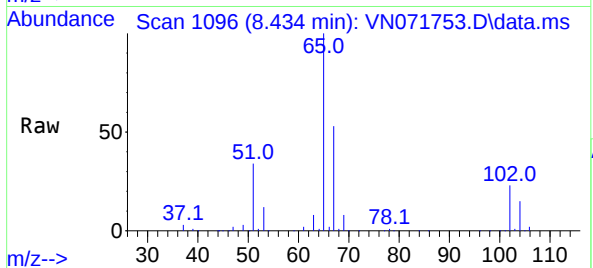




#33
1,2-Dichloroethane-d4
Concen: 51.378 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

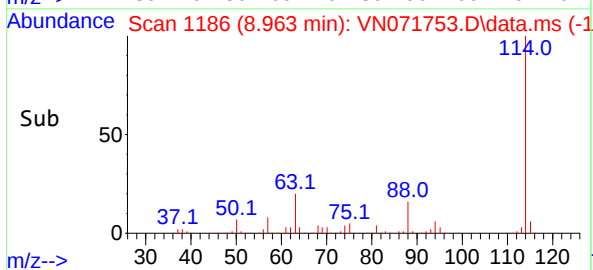
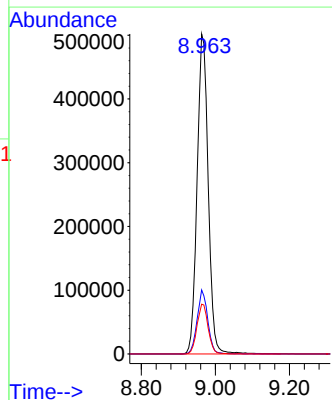
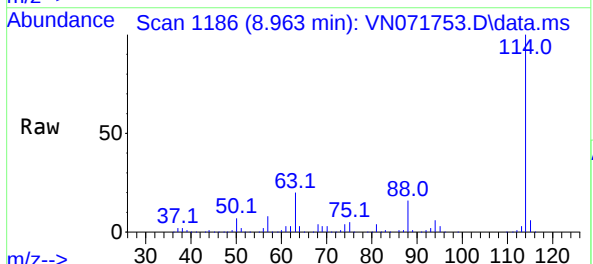
Instrument :
MSVOA_N
ClientSampleId :
MW-47

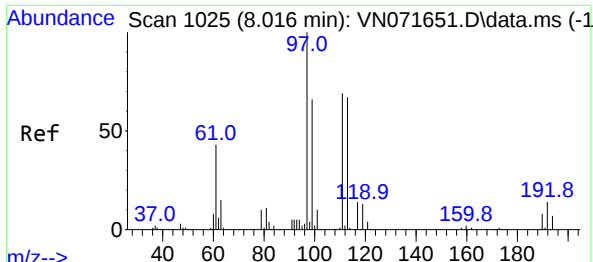
Tgt Ion: 65 Resp: 356139
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion:114 Resp: 1043050
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 15.6 0.0 32.6

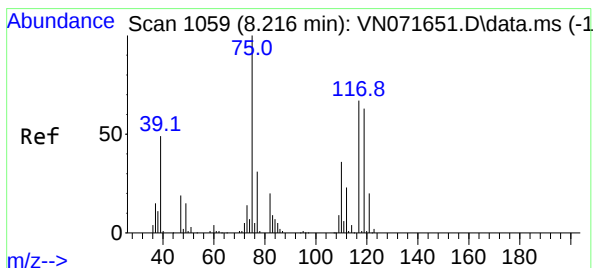
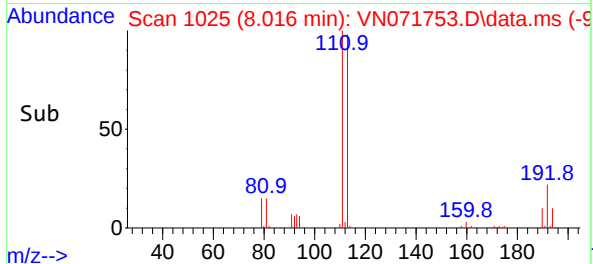
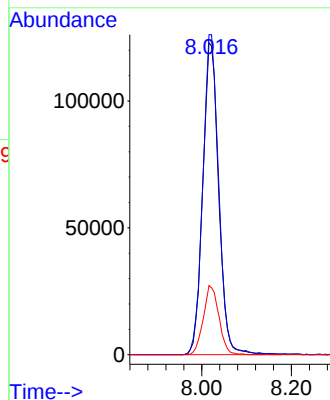
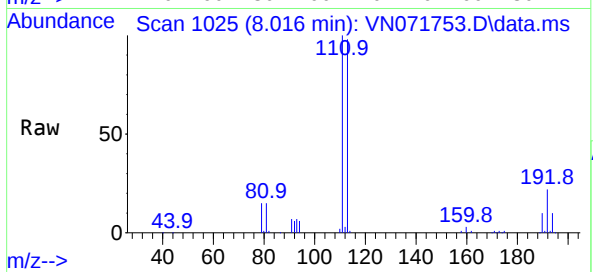




#35
Dibromofluoromethane
Concen: 49.305 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

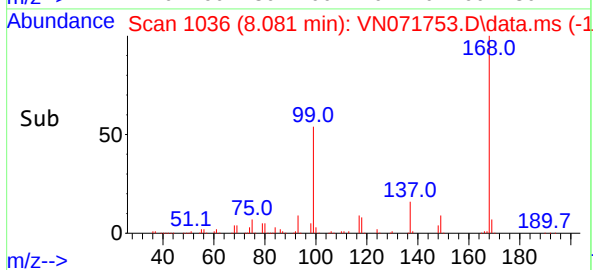
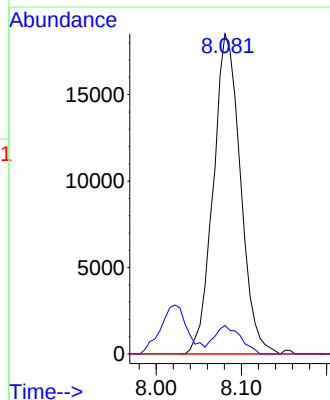
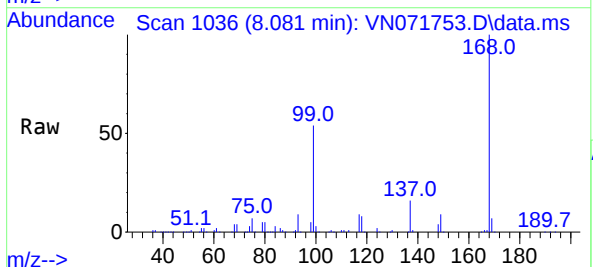
Instrument :
MSVOA_N
ClientSampleId :
MW-47

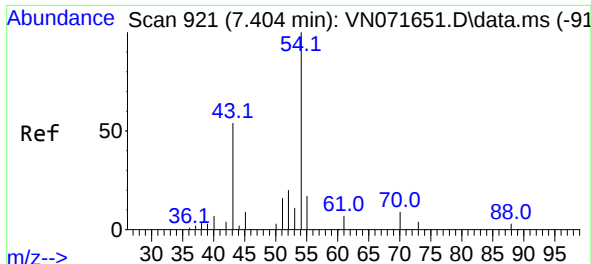
Tgt Ion:113 Resp: 302622
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 21.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.790 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 75 Resp: 41055
Ion Ratio Lower Upper
75 100
110 8.5 18.3 54.8#
77 0.0 25.1 37.7#

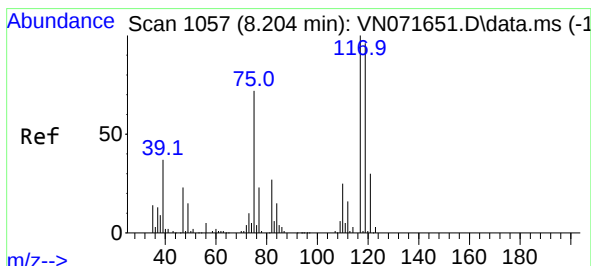
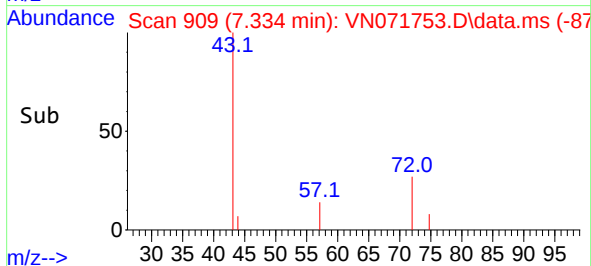
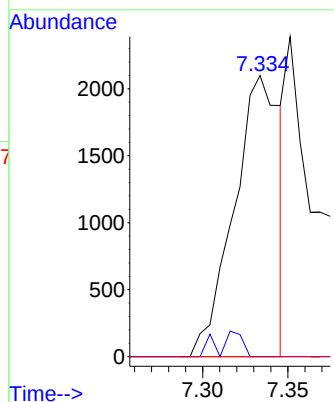
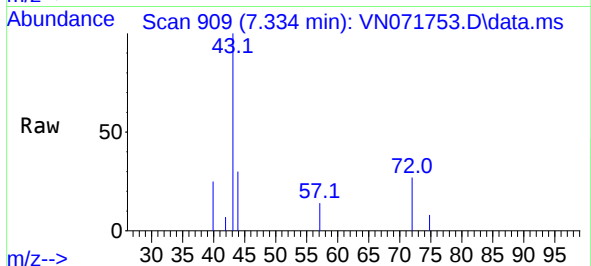




#37
Ethyl Acetate
Concen: 0.419 ug/l
RT: 7.334 min Scan# 90
Delta R.T. -0.070 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

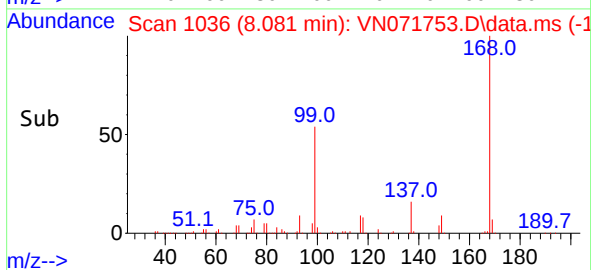
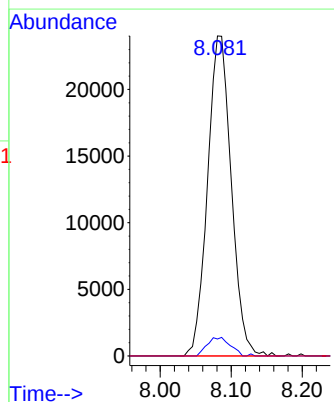
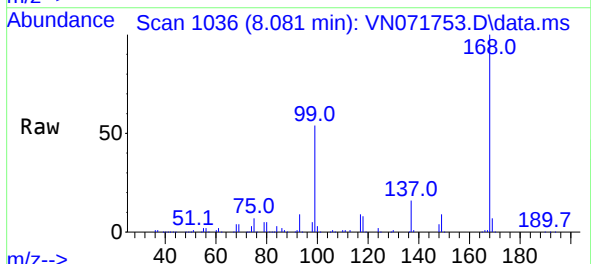
Instrument :
MSVOA_N
ClientSampleId :
MW-47

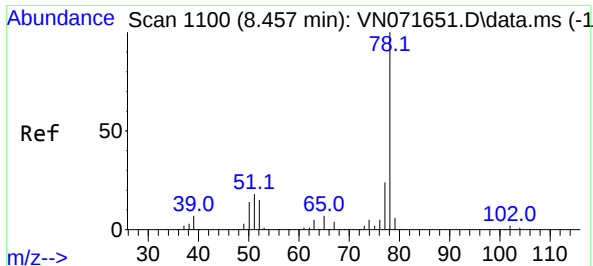
Tgt Ion: 43 Resp: 3931
Ion Ratio Lower Upper
43 100
61 4.7 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.644 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 117 Resp: 55810
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#

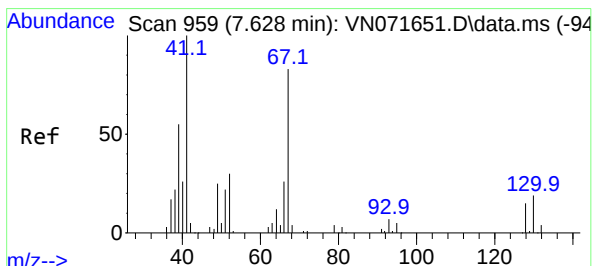
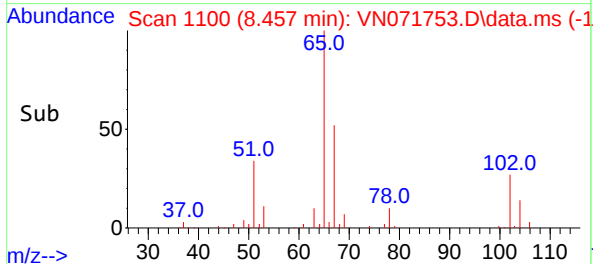
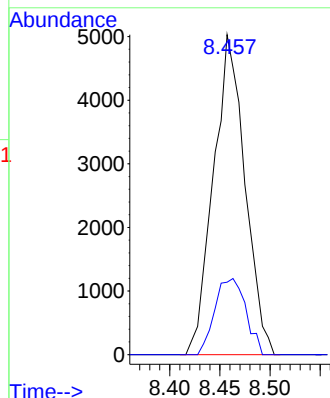
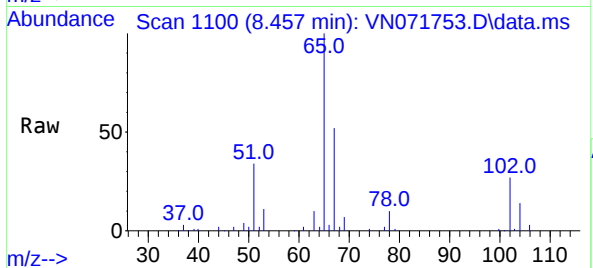




#40
Benzene
Concen: 0.406 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

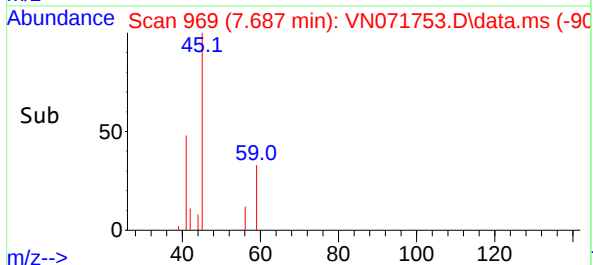
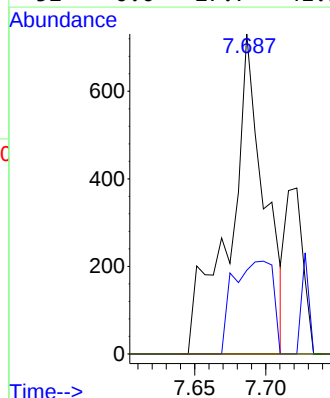
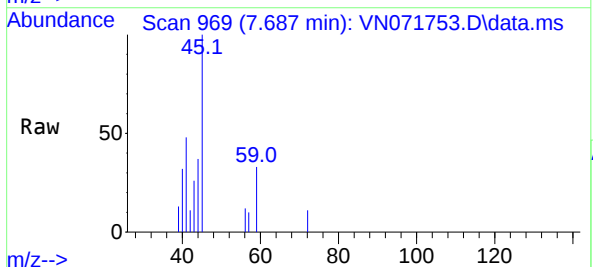
Instrument :
MSVOA_N
ClientSampleId :
MW-47

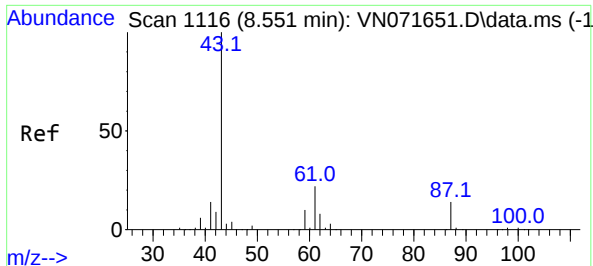
Tgt Ion: 78 Resp: 10992
Ion Ratio Lower Upper
78 100
77 22.6 19.4 29.0



#41
Methacrylonitrile
Concen: 0.270 ug/l
RT: 7.687 min Scan# 969
Delta R.T. 0.059 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 41 Resp: 1241
Ion Ratio Lower Upper
41 100
39 33.1 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

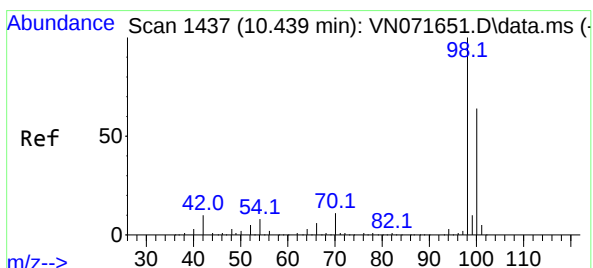
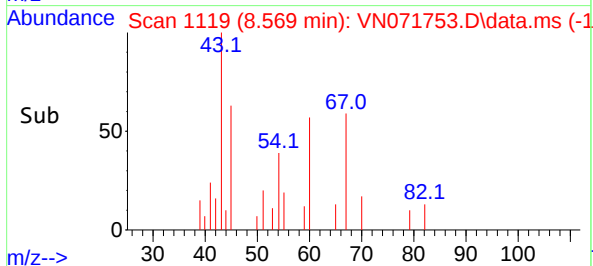
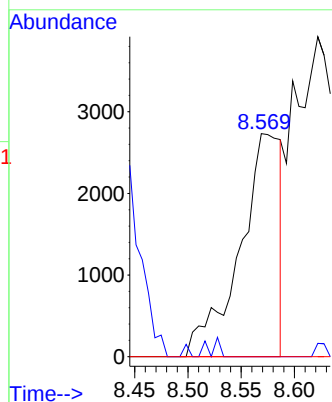
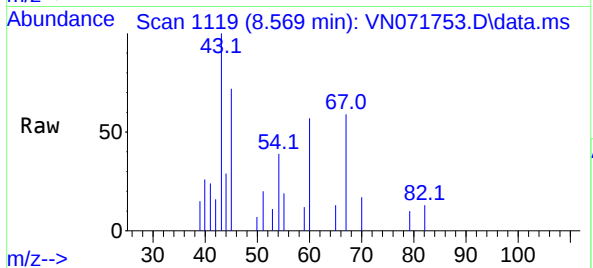




#43
Isopropyl Acetate
Concen: 0.467 ug/l
RT: 8.569 min Scan# 1116
Delta R.T. 0.018 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

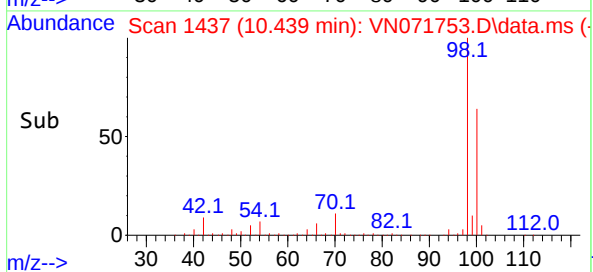
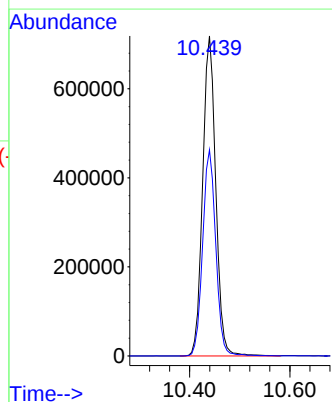
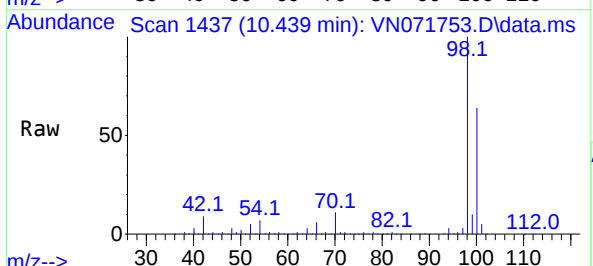
Instrument :
MSVOA_N
ClientSampleId :
MW-47

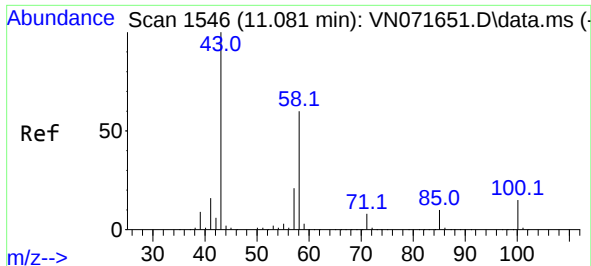
Tgt Ion: 43 Resp: 7291
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.817 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 98 Resp: 1301029
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8





#59

2-Hexanone

Concen: 0.441 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN071753.D

Acq: 01 Apr 2022 15:19

Instrument :

MSVOA_N

ClientSampleId :

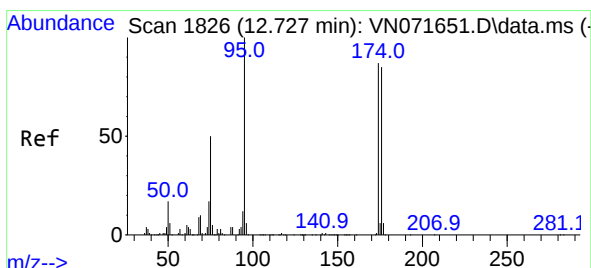
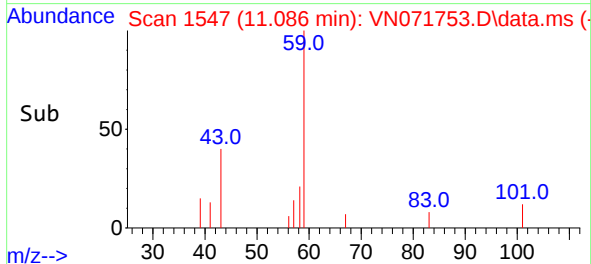
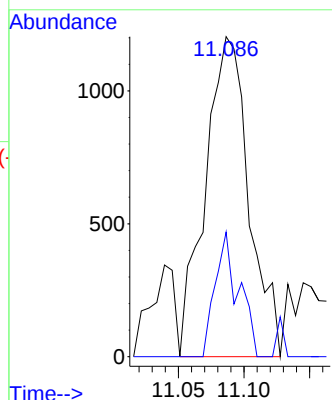
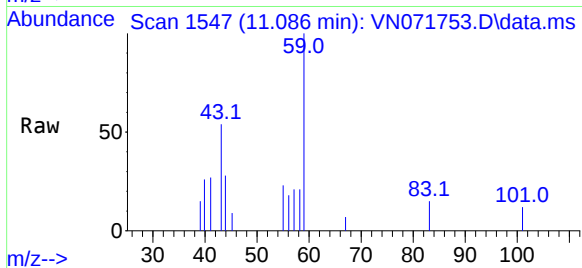
MW-47

Tgt Ion: 43 Resp: 2788

Ion Ratio Lower Upper

43 100

58 21.0 29.7 89.1#



#62

4-Bromofluorobenzene

Concen: 55.807 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071753.D

Acq: 01 Apr 2022 15:19

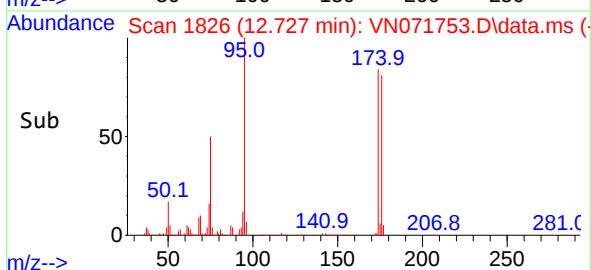
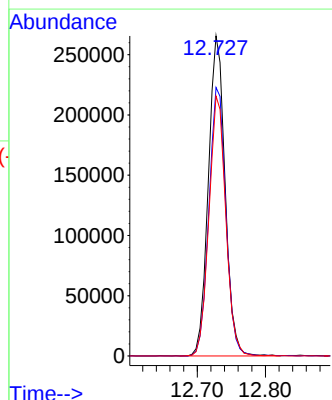
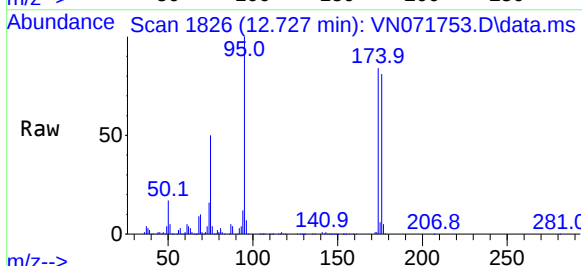
Tgt Ion: 95 Resp: 453176

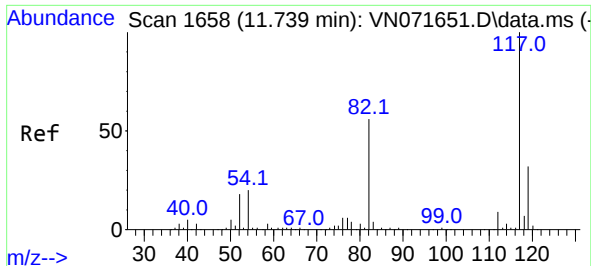
Ion Ratio Lower Upper

95 100

174 85.0 0.0 167.6

176 81.6 0.0 163.4

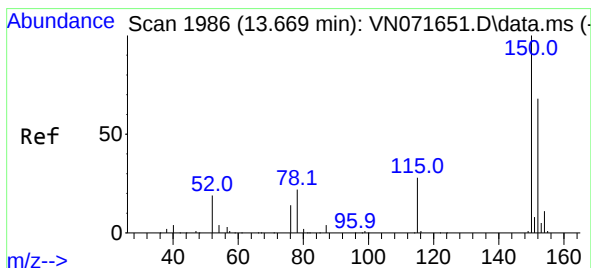
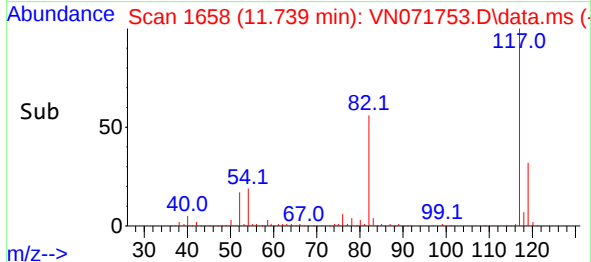
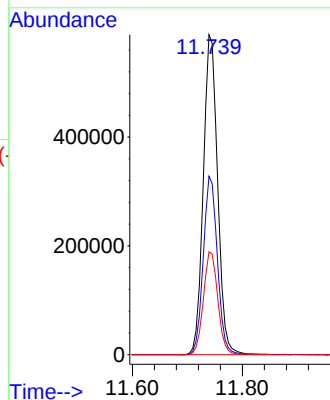
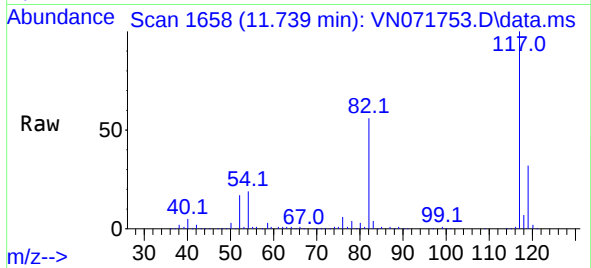




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

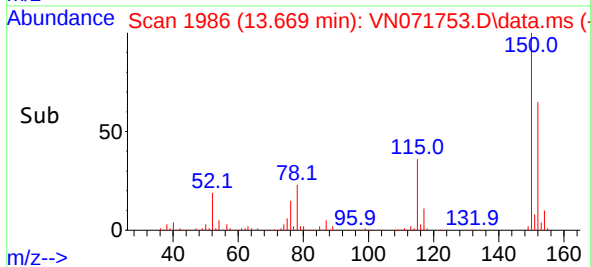
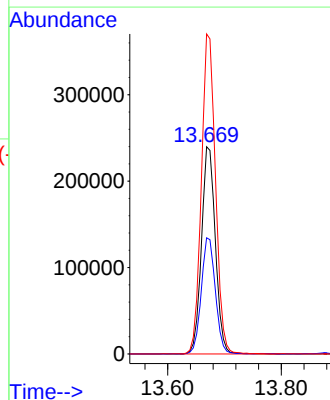
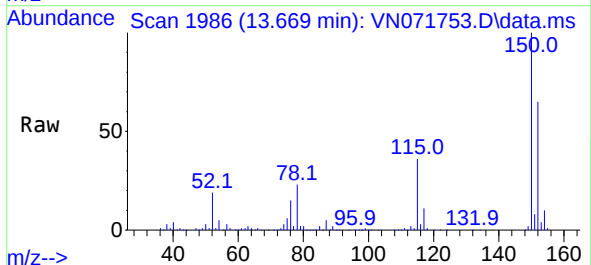
Instrument :
MSVOA_N
ClientSampleId :
MW-47

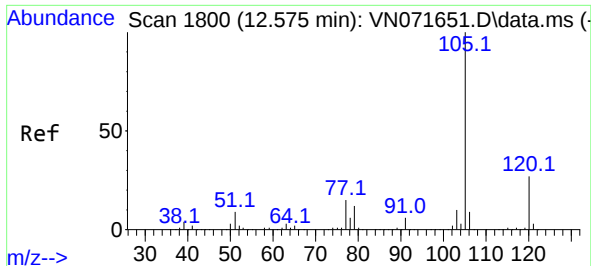
Tgt Ion:117 Resp: 1064153
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion:152 Resp: 406795
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 157.1 0.0 356.2

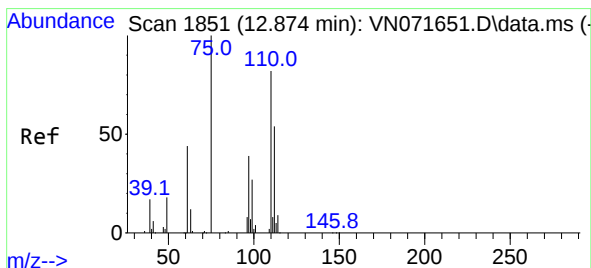
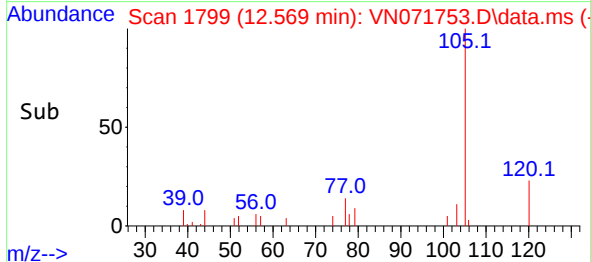
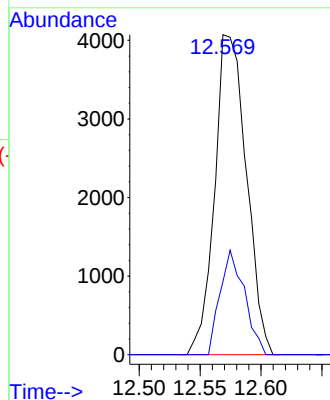
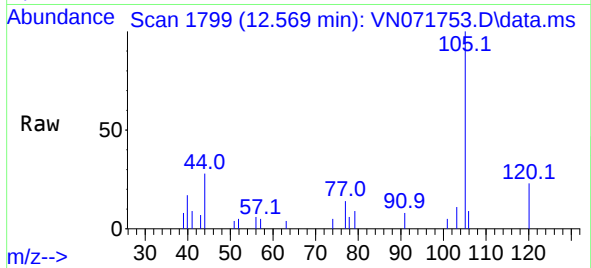




#73
Isopropylbenzene
Concen: 0.215 ug/l
RT: 12.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

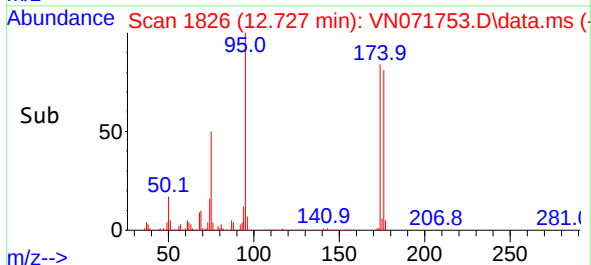
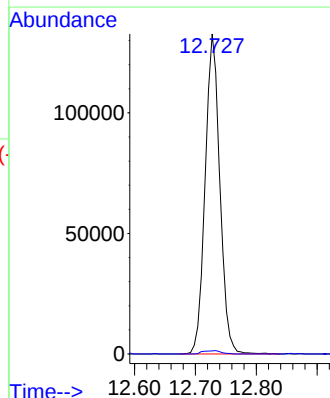
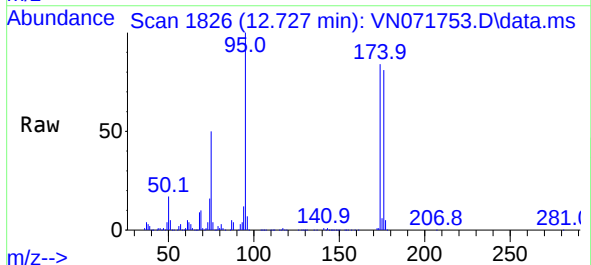
Instrument :
MSVOA_N
ClientSampleId :
MW-47

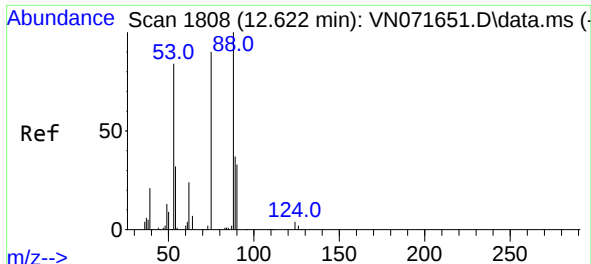
Tgt Ion:105 Resp: 7370
Ion Ratio Lower Upper
105 100
120 25.2 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 23.605 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 75 Resp: 222444
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

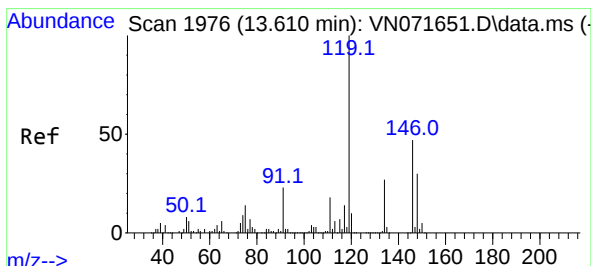
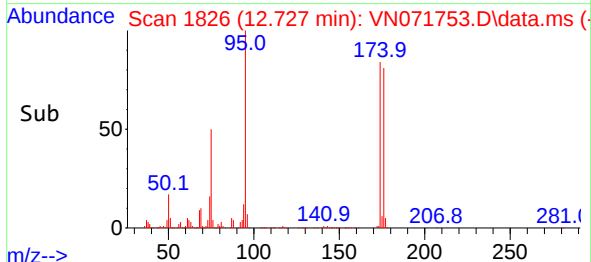
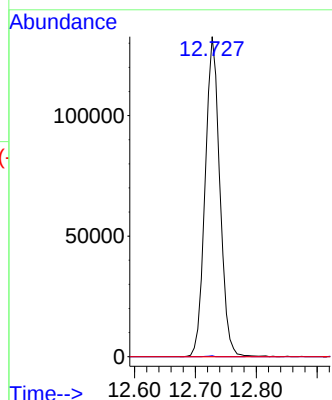
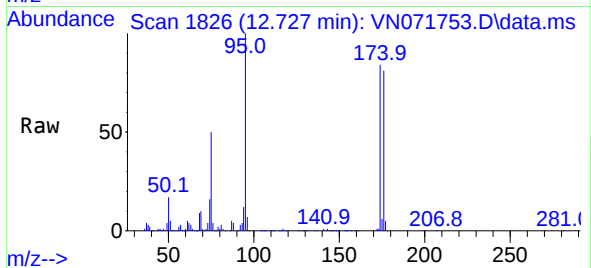




#81
trans-1,4-Dichloro-2-butene
Concen: 73.150 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

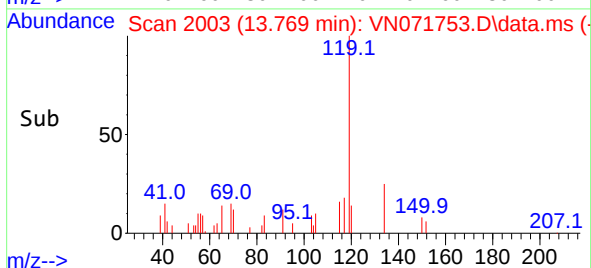
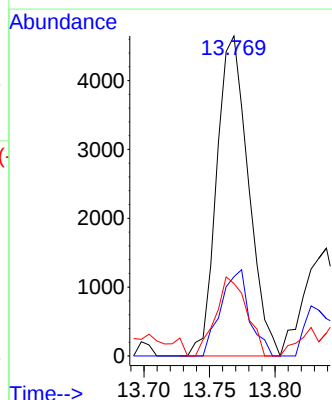
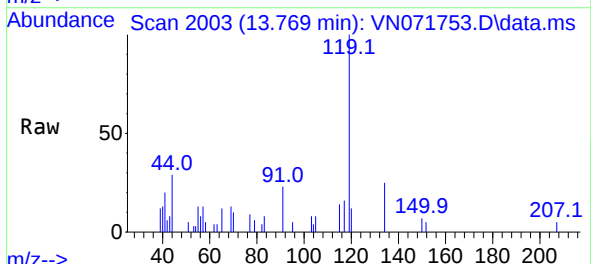
Instrument :
MSVOA_N
ClientSampleId :
MW-47

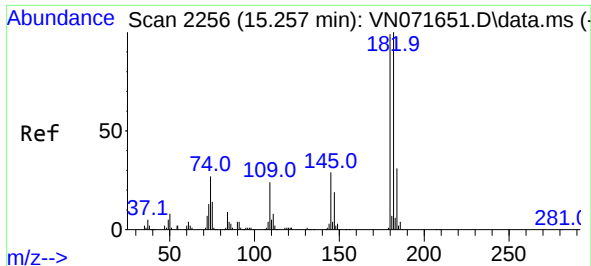
Tgt Ion: 75 Resp: 222444
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#86
p-Isopropyltoluene
Concen: 0.304 ug/l
RT: 13.769 min Scan# 2003
Delta R.T. 0.159 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

Tgt Ion: 119 Resp: 7803
Ion Ratio Lower Upper
119 100
134 24.4 13.3 39.8
91 24.1 11.3 33.9

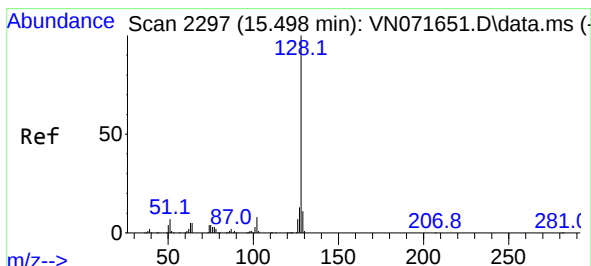
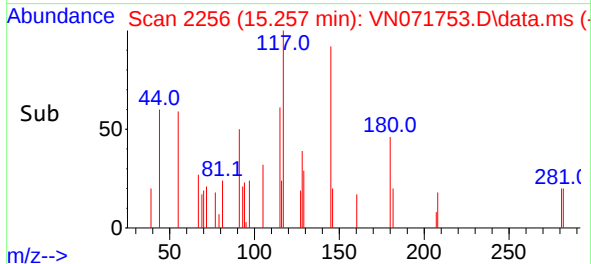
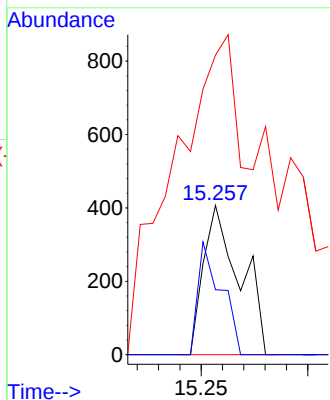
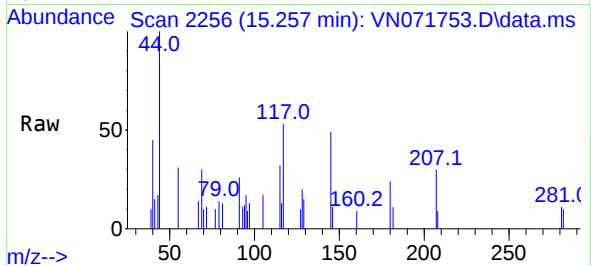




#93
1,2,4-Trichlorobenzene
Concen: 2.157 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

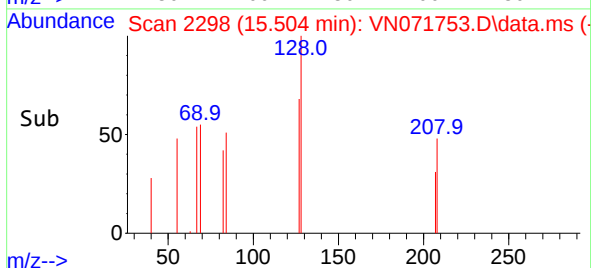
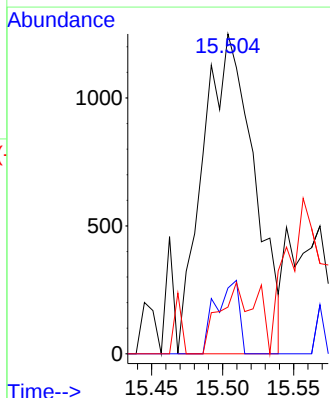
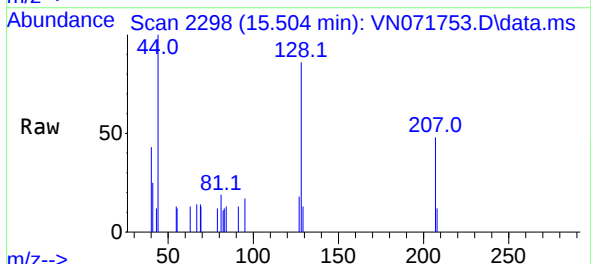
Instrument :
MSVOA_N
ClientSampleId :
MW-47

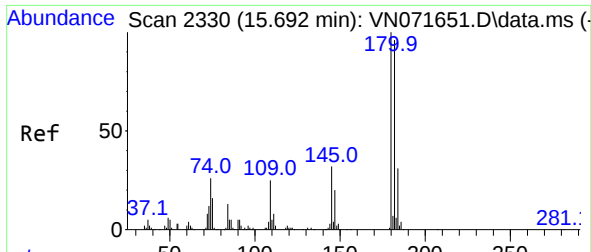
Tgt Ion:180 Resp: 482
Ion Ratio Lower Upper
180 100
182 48.3 47.5 142.5
145 418.9 14.5 43.5#



#95
Naphthalene
Concen: 3.959 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071753.D
Acq: 01 Apr 2022 15:19

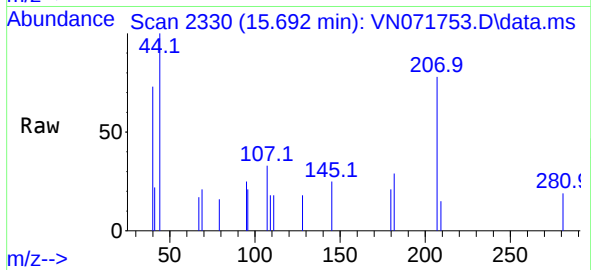
Tgt Ion:128 Resp: 3130
Ion Ratio Lower Upper
128 100
127 10.4 10.3 15.5
129 12.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.445 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071753.D
 Acq: 01 Apr 2022 15:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-47



Tgt Ion:180 Resp: 203
 Ion Ratio Lower Upper
 180 100
 182 248.3 47.8 143.3#
 145 1096.1 15.5 46.5#

