

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071789.D
 Acq On : 02 Apr 2022 06:35
 Operator : JC\MD
 Sample : N2200-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

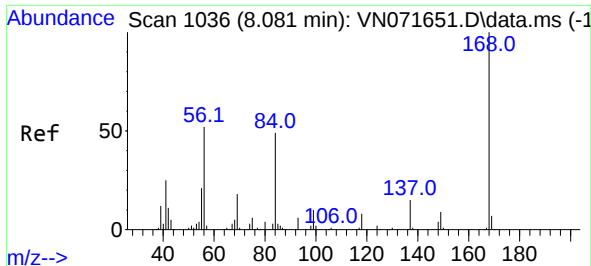
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-31

Quant Time: Apr 02 07:15:06 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	8.086	168	613161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1034585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1054121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	382000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	355560	50.795	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.580%			
35) Dibromofluoromethane	8.022	113	301424	49.512	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.020%			
50) Toluene-d8	10.439	98	1320752	53.033	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.060%			
62) 4-Bromofluorobenzene	12.727	95	431212	53.537	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.080%			
Target Compounds					Qvalue	
3) Chloromethane	2.287	50	96001	15.542	ug/l #	43
4) Vinyl Chloride	2.446	62	13363	1.970	ug/l #	1
6) Chloroethane	2.775	64	697856	143.004	ug/l #	50
13) Acrolein	4.046	56	426	0.308	ug/l #	49
16) Acetone	4.287	43	51918	17.355	ug/l	94
17) Carbon Disulfide	4.540	76	82410	7.097	ug/l	100
18) Methyl Acetate	4.881	43	2741	Below Cal	#	58
25) 2-Butanone	7.345	43	23482	5.445	ug/l	90
27) cis-1,2-Dichloroethene	7.328	96	20598	3.023	ug/l	90
31) Cyclohexane	8.086	56	11165	1.173	ug/l #	11
36) 1,1-Dichloropropene	8.081	75	41489	4.880	ug/l #	47
37) Ethyl Acetate	7.345	43	23482	2.524	ug/l #	1
38) Carbon Tetrachloride	8.086	117	54104	6.494	ug/l #	17
43) Isopropyl Acetate	8.628	43	8230	0.532	ug/l #	53
44) Trichloroethene	9.210	130	11362	1.642	ug/l	92
51) 4-Methyl-2-Pentanone	10.328	43	61524	6.914	ug/l	100
55) 1,1,2-Trichloroethane	10.751	97	3370	0.482	ug/l #	16
59) 2-Hexanone	11.086	43	3256	0.520	ug/l	73
60) Dibromochloromethane	10.975	129	42229	6.199	ug/l #	11
64) Tetrachloroethene	10.975	164	45711	6.567	ug/l	97
71) Bromoform	12.722	173	1207	0.208	ug/l #	28
74) N-amyl acetate	12.357	43	3999	0.434	ug/l #	43
76) 1,2,3-Trichloropropane	12.727	75	209528	23.677	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	209528	73.375	ug/l #	10
95) Naphthalene	15.504	128	2161	3.918	ug/l #	73

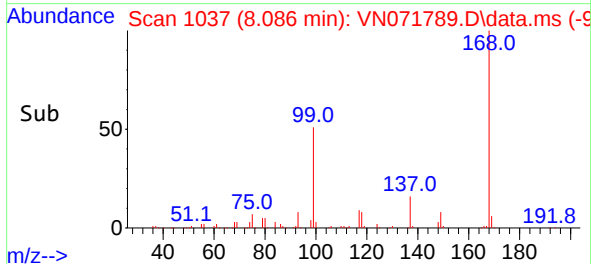
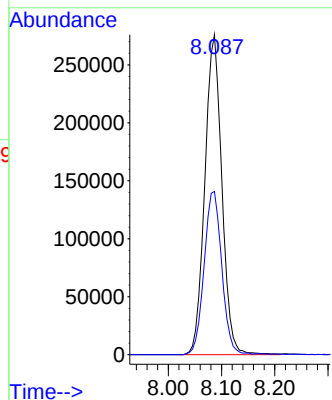
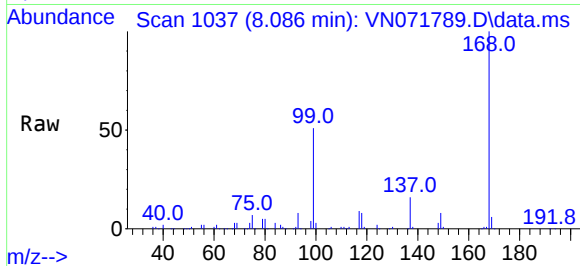
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

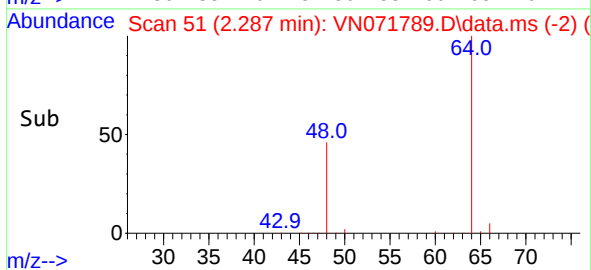
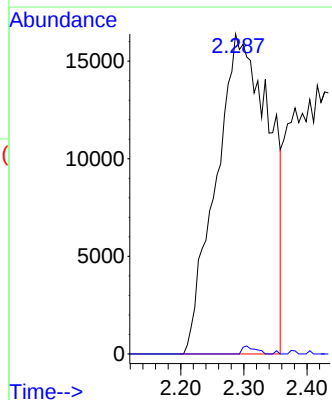
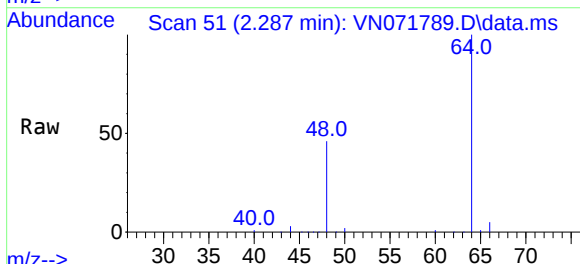
Instrument :
MSVOA_N
ClientSampleId :
MW-31

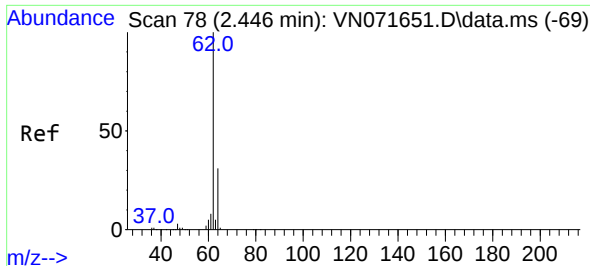
Tgt Ion:168 Resp: 613161
Ion Ratio Lower Upper
168 100
99 51.0 42.3 63.5



#3
Chloromethane
Concen: 15.542 ug/l
RT: 2.287 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

Tgt Ion: 50 Resp: 96001
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#4
 Vinyl Chloride
 Concen: 1.970 ug/l
 RT: 2.446 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VN071789.D
 Acq: 02 Apr 2022 06:35

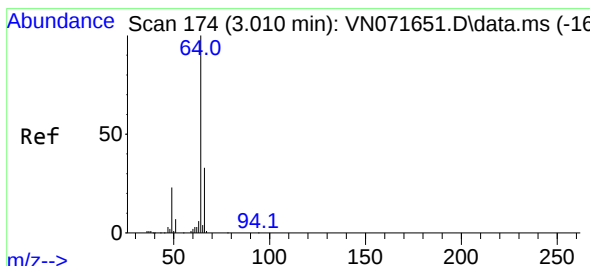
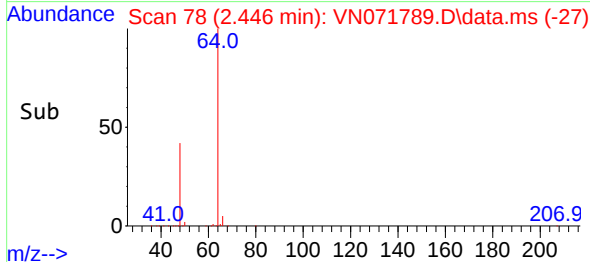
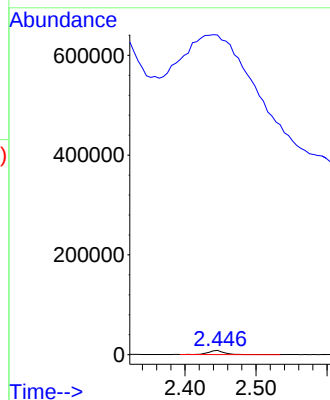
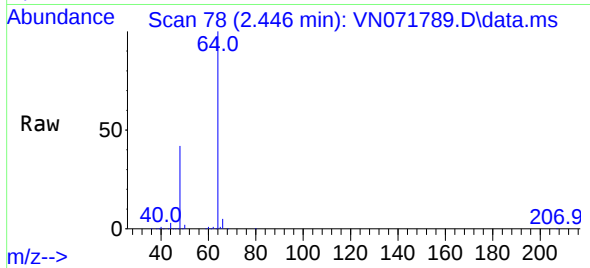
Instrument :

MSVOA_N

ClientSampleId :

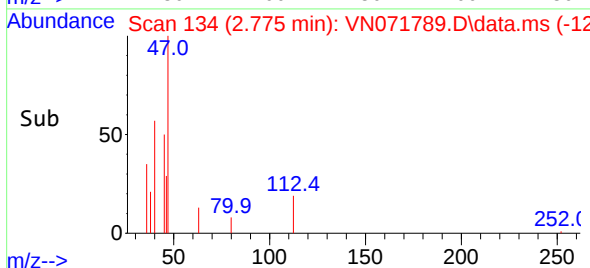
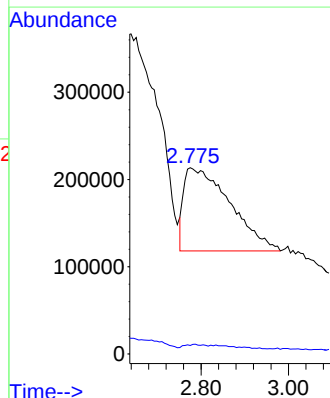
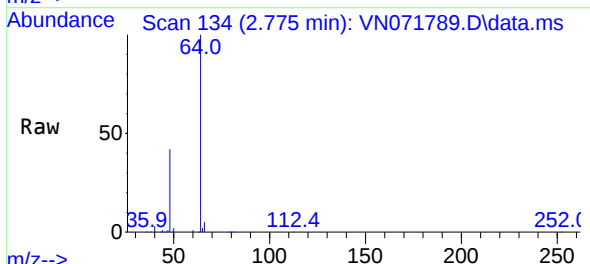
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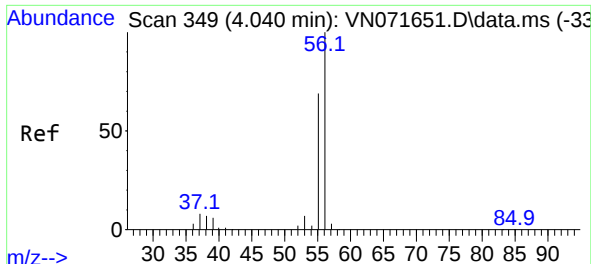
Tgt Ion: 62 Resp: 13363
 Ion Ratio Lower Upper
 62 100
 64 2160.2 25.0 37.4#



#6
 Chloroethane
 Concen: 143.004 ug/l
 RT: 2.775 min Scan# 134
 Delta R.T. -0.235 min
 Lab File: VN071789.D
 Acq: 02 Apr 2022 06:35

Tgt Ion: 64 Resp: 697856
 Ion Ratio Lower Upper
 64 100
 66 4.6 26.2 39.4#

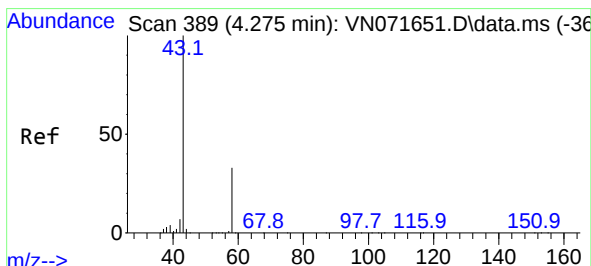
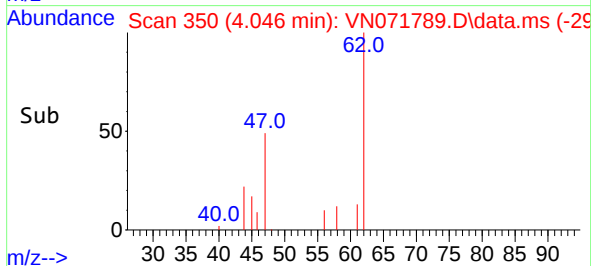
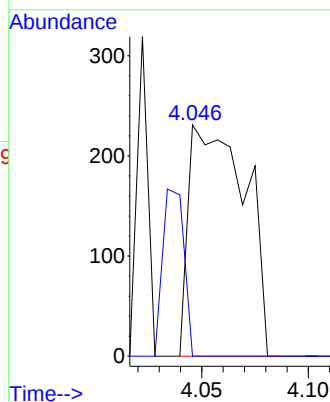
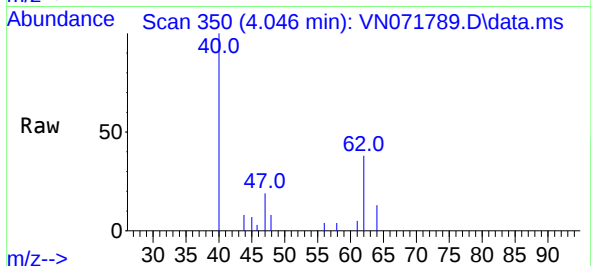




#13
Acrolein
Concen: 0.308 ug/l
RT: 4.046 min Scan# 311
Delta R.T. 0.006 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

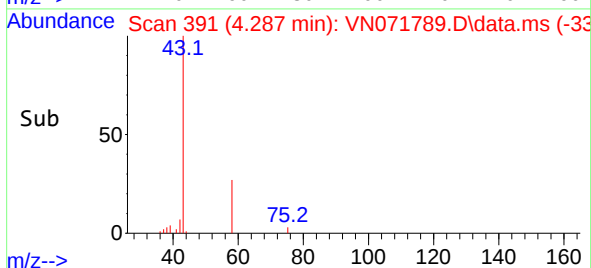
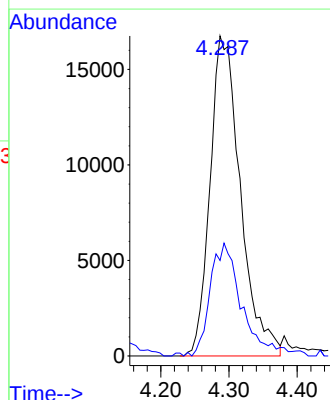
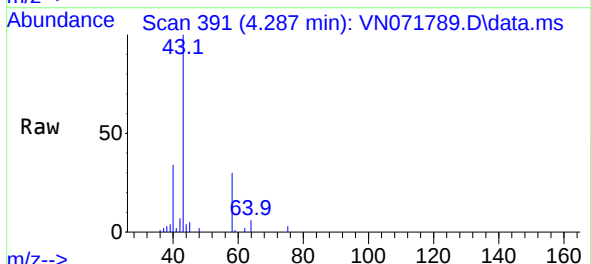
Instrument :
MSVOA_N
ClientSampleId :
MW-31

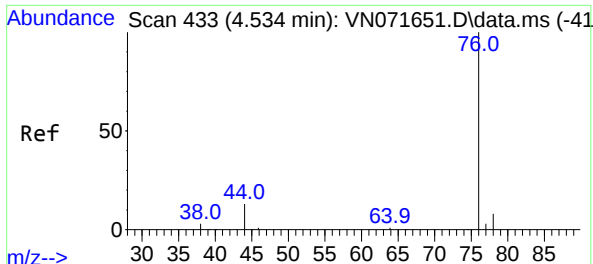
Tgt Ion: 56 Resp: 426
Ion Ratio Lower Upper
56 100
55 27.2 54.8 82.2#



#16
Acetone
Concen: 17.355 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

Tgt Ion: 43 Resp: 51918
Ion Ratio Lower Upper
43 100
58 28.9 26.0 39.0

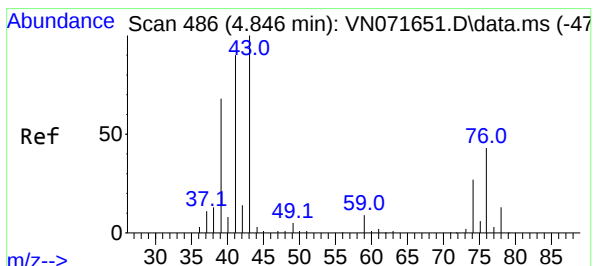
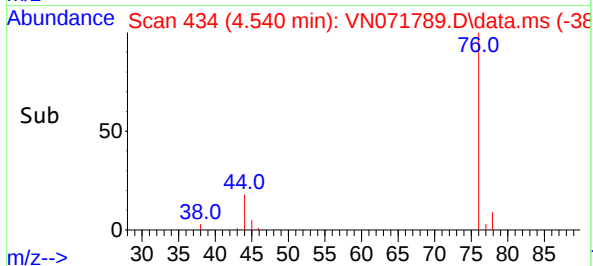
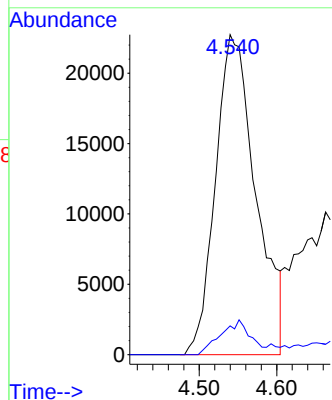
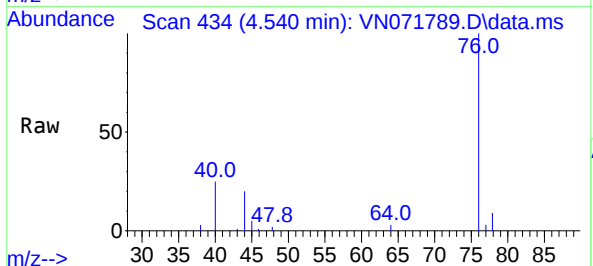




#17
Carbon Disulfide
Concen: 7.097 ug/l
RT: 4.540 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

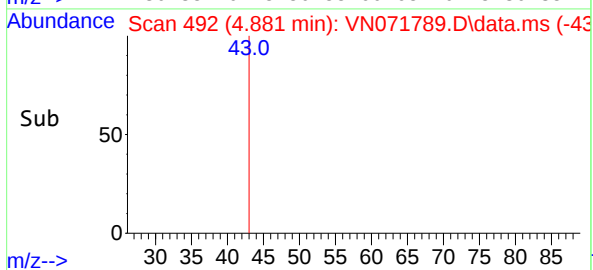
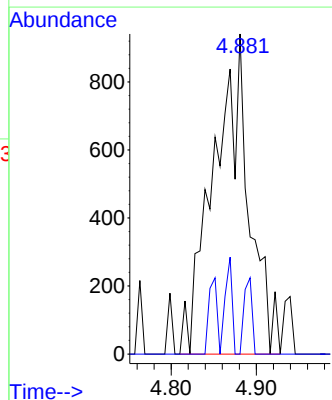
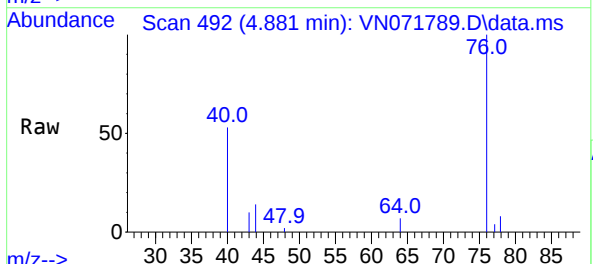
Instrument :
MSVOA_N
ClientSampleId :
MW-31

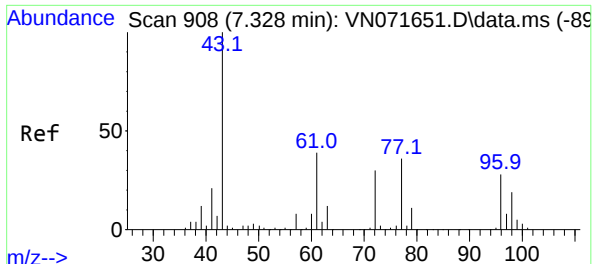
Tgt Ion: 76 Resp: 82410
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.881 min Scan# 492
Delta R.T. 0.035 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

Tgt Ion: 43 Resp: 2741
Ion Ratio Lower Upper
43 100
74 5.3 21.6 32.4#





#25

2-Butanone

Concen: 5.445 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN071789.D

Acq: 02 Apr 2022 06:35

Instrument :

MSVOA_N

ClientSampleId :

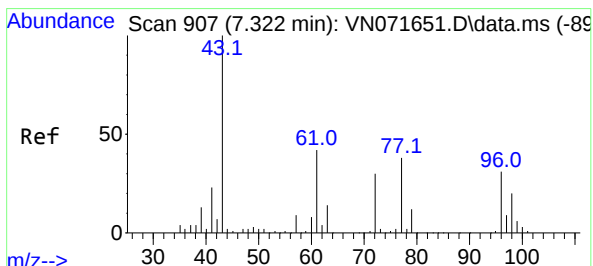
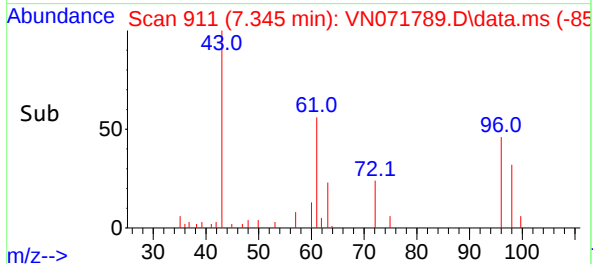
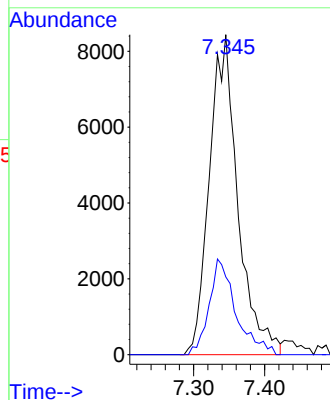
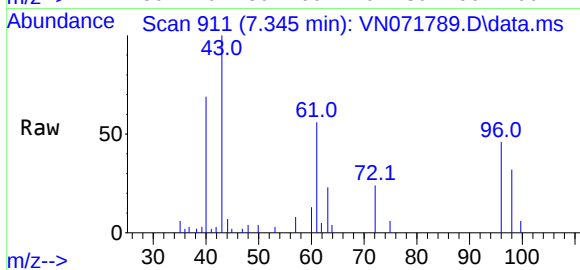
MW-31

Tgt Ion: 43 Resp: 23482

Ion Ratio Lower Upper

43 100

72 24.3 23.7 35.5



#27

cis-1,2-Dichloroethene

Concen: 3.023 ug/l

RT: 7.328 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN071789.D

Acq: 02 Apr 2022 06:35

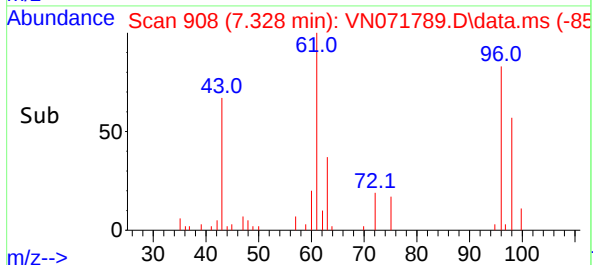
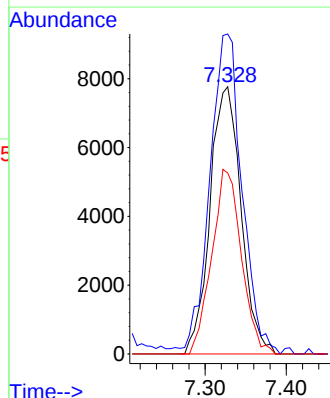
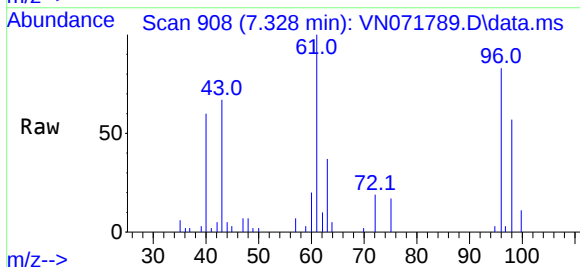
Tgt Ion: 96 Resp: 20598

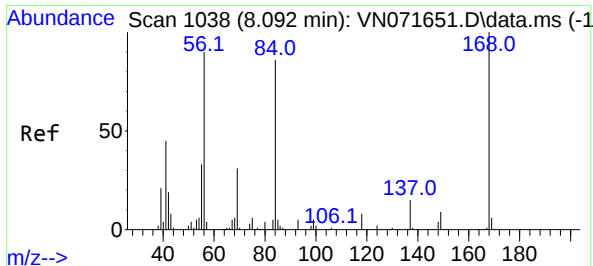
Ion Ratio Lower Upper

96 100

61 124.2 0.0 280.6

98 65.9 0.0 128.4





#31

Cyclohexane

Concen: 1.173 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071789.D

Acq: 02 Apr 2022 06:35

Instrument :

MSVOA_N

ClientSampleId :

MW-31

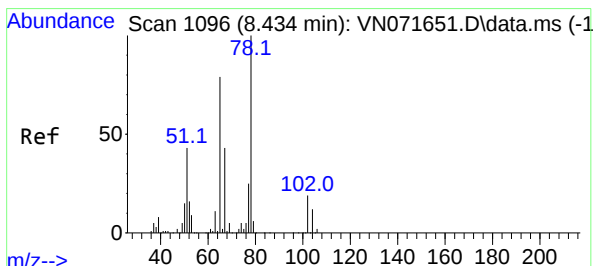
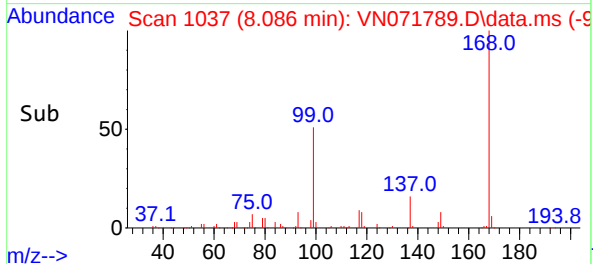
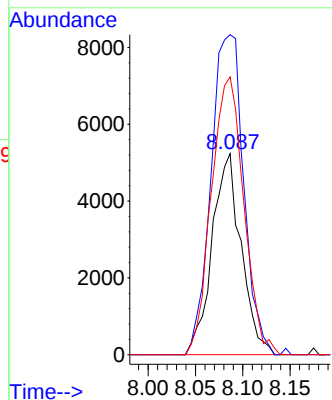
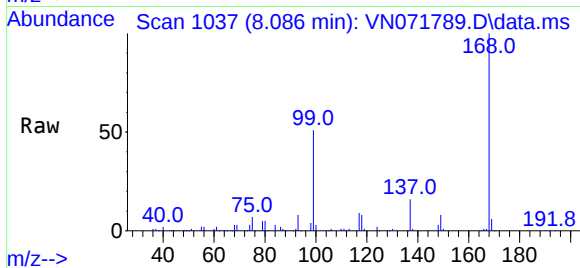
Tgt Ion: 56 Resp: 11165

Ion Ratio Lower Upper

56 100

69 159.1 27.8 41.8#

84 138.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 50.795 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071789.D

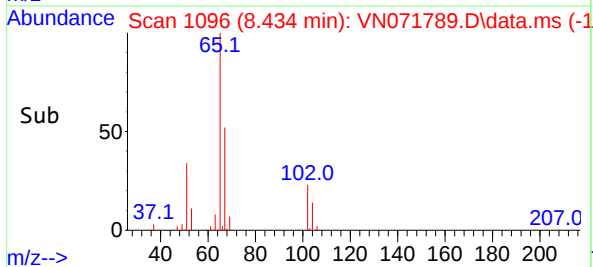
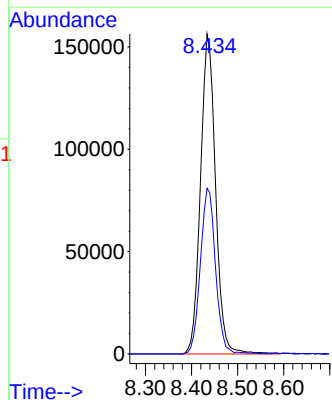
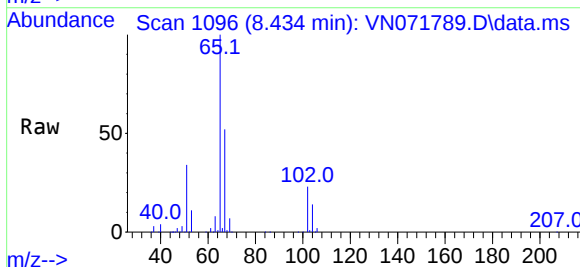
Acq: 02 Apr 2022 06:35

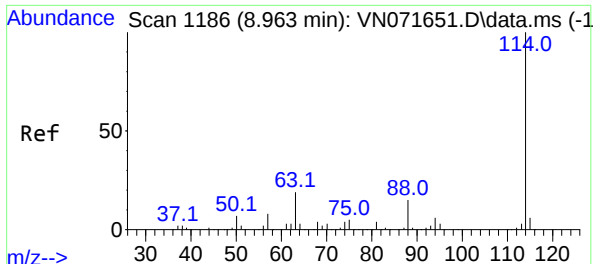
Tgt Ion: 65 Resp: 355560

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.8

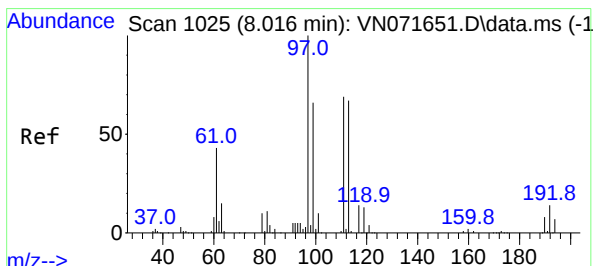
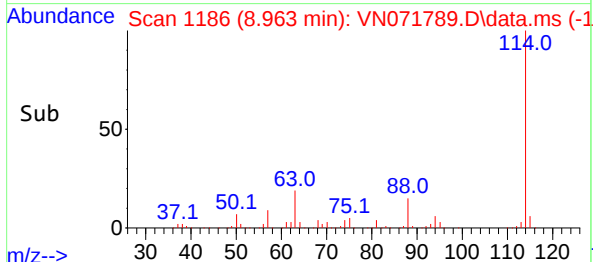
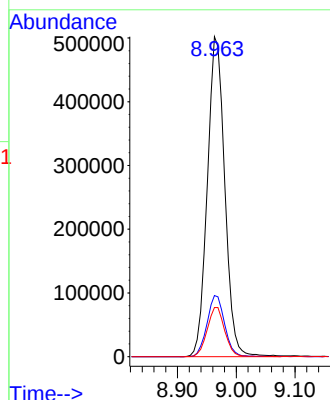
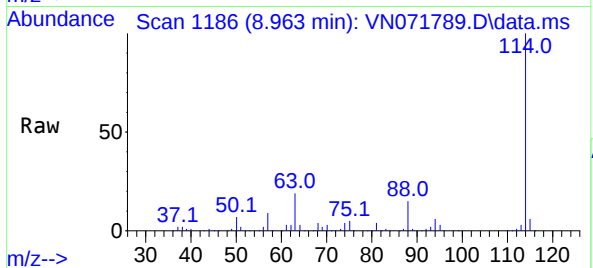




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

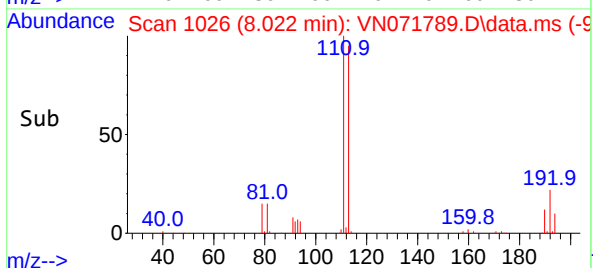
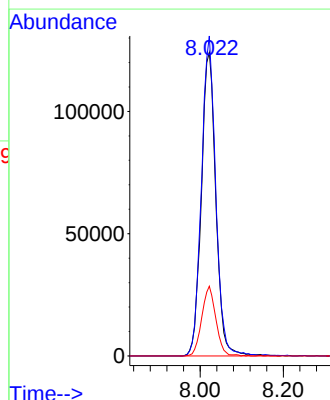
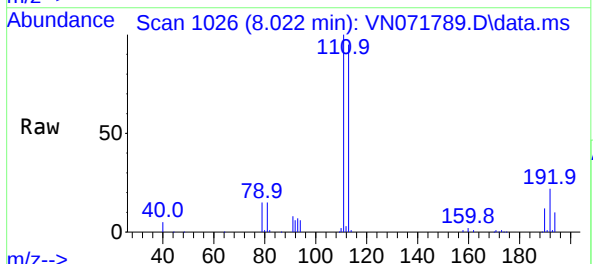
Instrument :
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MW-31

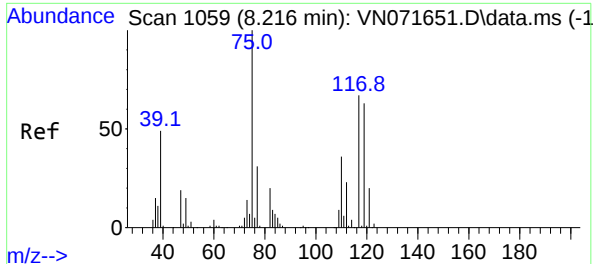
Tgt Ion:114 Resp: 1034585
Ion Ratio Lower Upper
114 100
63 19.1 0.0 40.0
88 15.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.512 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

Tgt Ion:113 Resp: 301424
Ion Ratio Lower Upper
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111 103.7 81.4 122.0
192 22.3 17.0 25.6

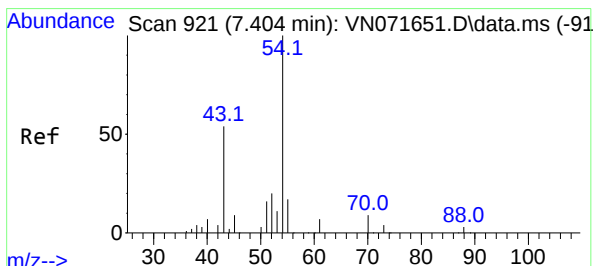
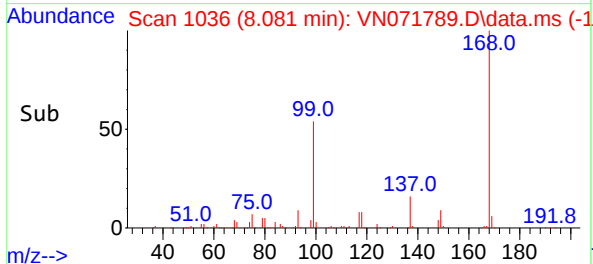
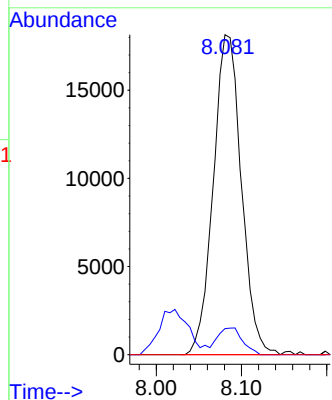
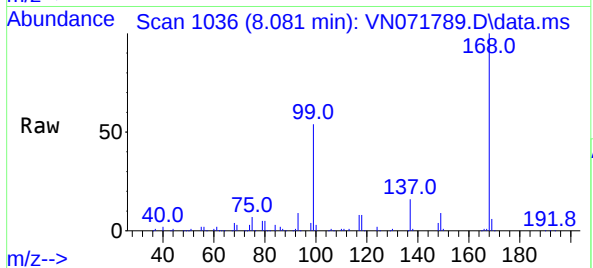




#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 8.081 min Scan# 1059
Delta R.T. -0.135 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

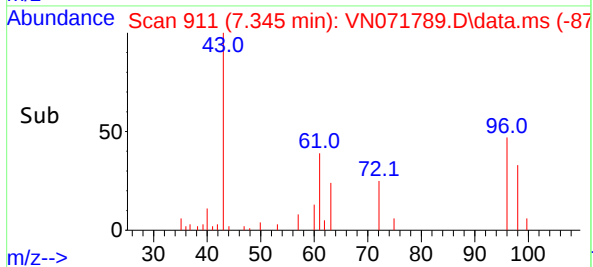
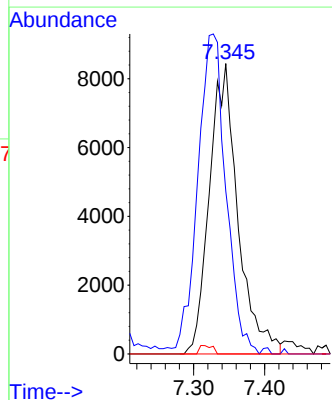
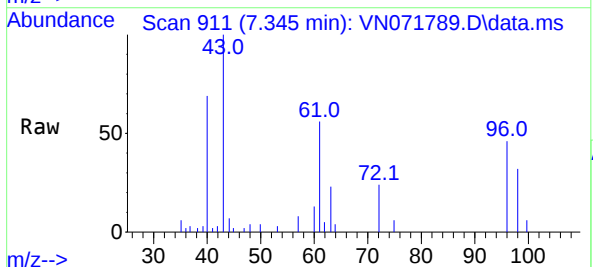
Instrument :
MSVOA_N
ClientSampleId :
MW-31

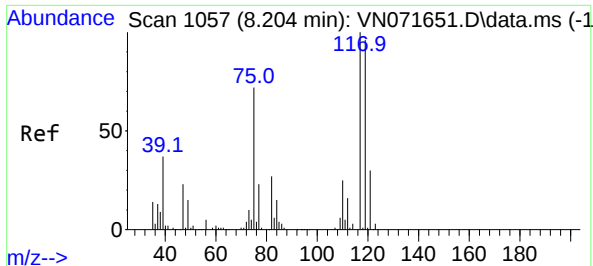
Tgt Ion: 75 Resp: 41489
Ion Ratio Lower Upper
75 100
110 7.4 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 2.524 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

Tgt Ion: 43 Resp: 23482
Ion Ratio Lower Upper
43 100
61 108.9 11.8 17.6#
70 0.0 9.3 13.9#

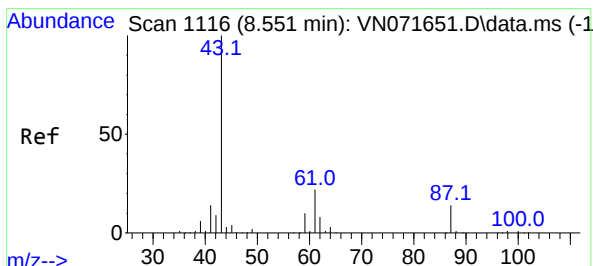
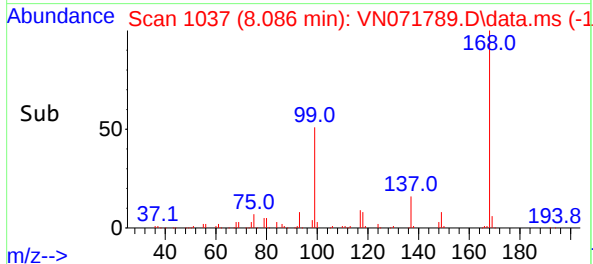
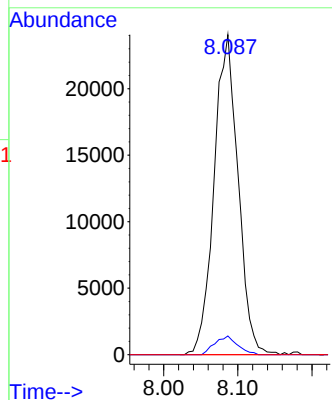
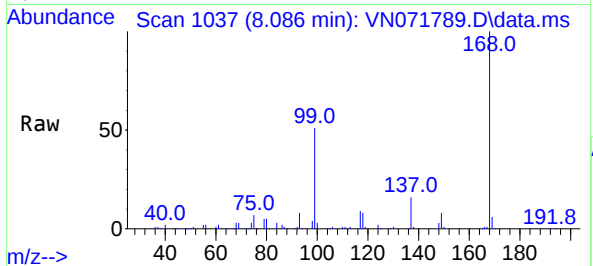




#38
Carbon Tetrachloride
Concen: 6.494 ug/l
RT: 8.086 min Scan# 1129
Delta R.T. -0.118 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

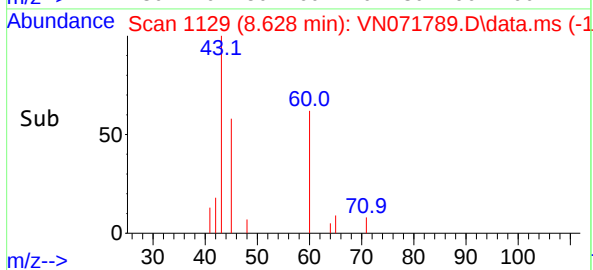
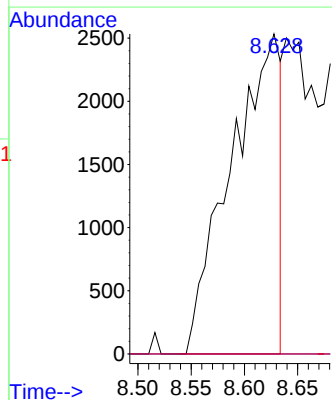
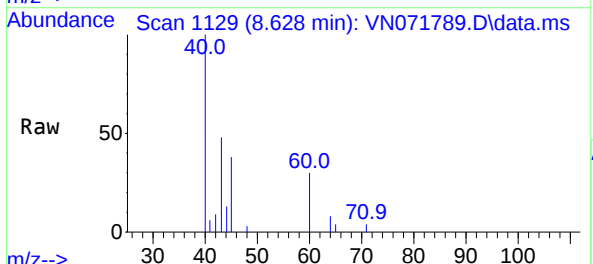
Instrument :
MSVOA_N
ClientSampleId :
MW-31

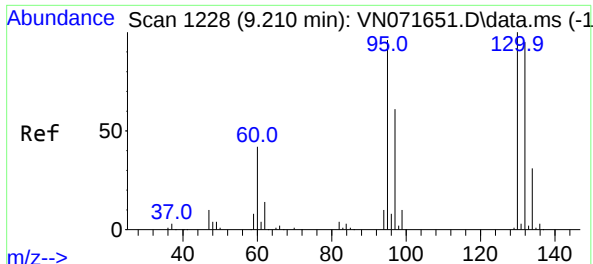
Tgt Ion:117 Resp: 54104
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.532 ug/l
RT: 8.628 min Scan# 1129
Delta R.T. 0.077 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

Tgt Ion: 43 Resp: 8230
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

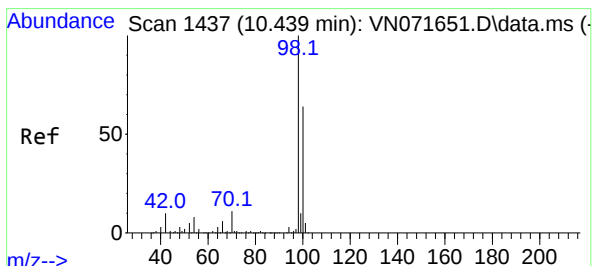
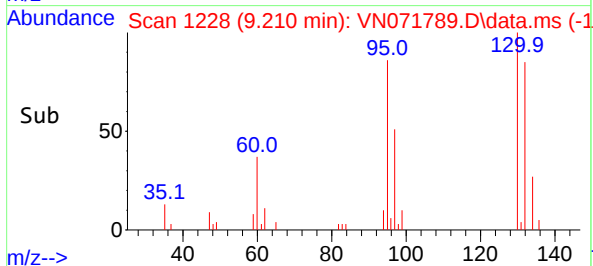
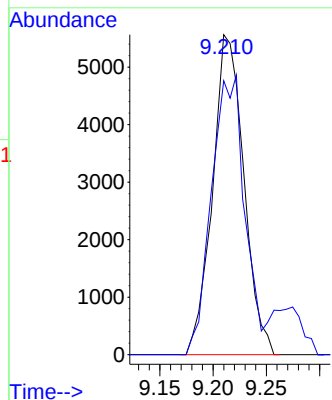
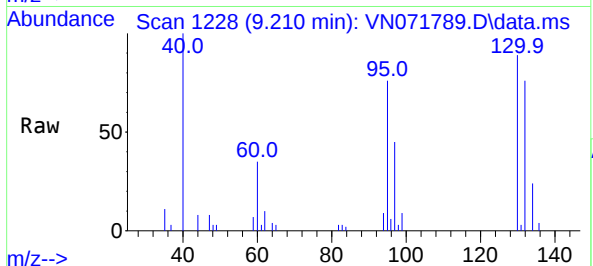




#44
Trichloroethene
Concen: 1.642 ug/l
RT: 9.210 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

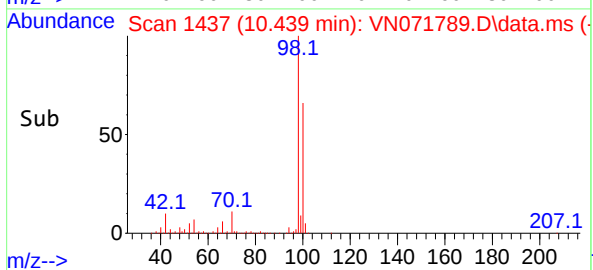
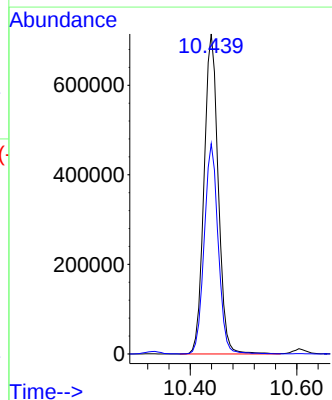
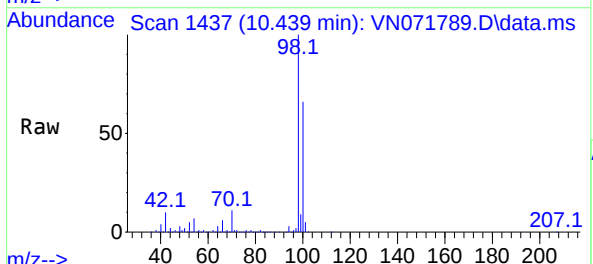
Instrument :
MSVOA_N
ClientSampleId :
MW-31

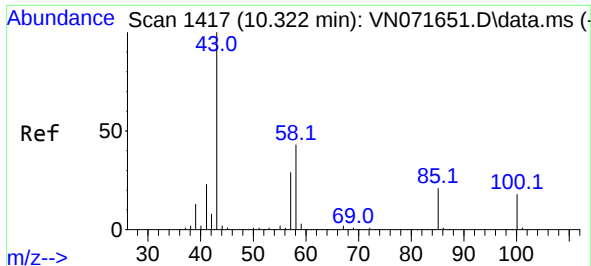
Tgt Ion:130 Resp: 11362
Ion Ratio Lower Upper
130 100
95 85.6 0.0 186.8



#50
Toluene-d8
Concen: 53.033 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

Tgt Ion: 98 Resp: 1320752
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 6.914 ug/l

RT: 10.328 min Scan# 1417

Delta R.T. 0.006 min

Lab File: VN071789.D

Acq: 02 Apr 2022 06:35

Instrument :

MSVOA_N

ClientSampleId :

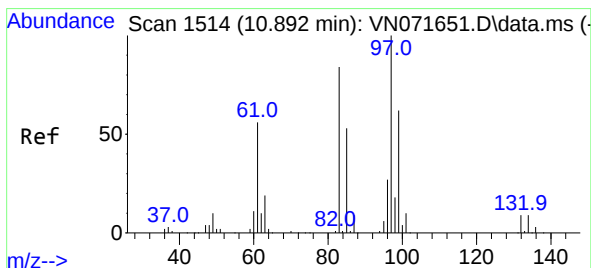
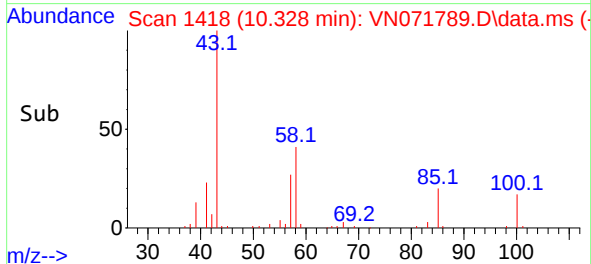
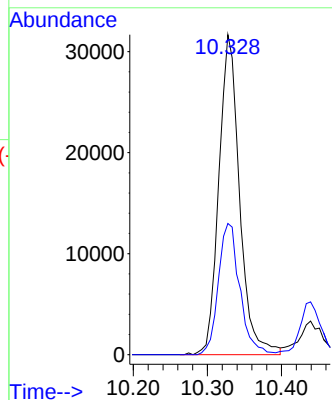
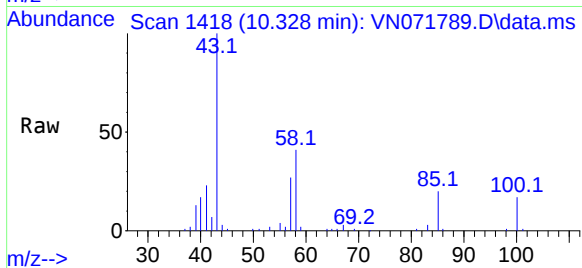
MW-31

Tgt Ion: 43 Resp: 61524

Ion Ratio Lower Upper

43 100

58 42.4 34.1 51.1



#55

1,1,2-Trichloroethane

Concen: 0.482 ug/l

RT: 10.751 min Scan# 1490

Delta R.T. -0.141 min

Lab File: VN071789.D

Acq: 02 Apr 2022 06:35

Tgt Ion: 97 Resp: 3370

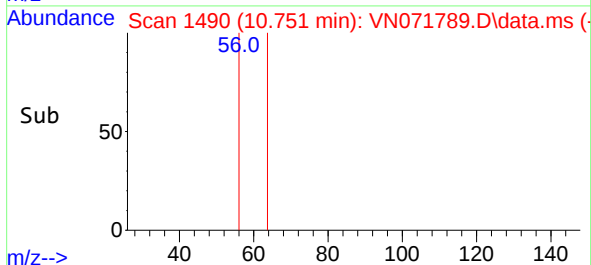
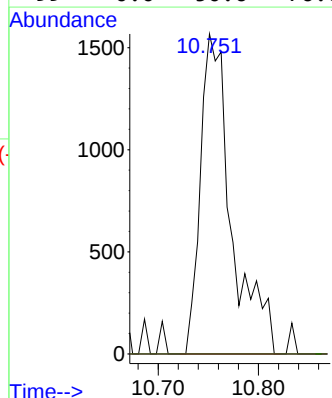
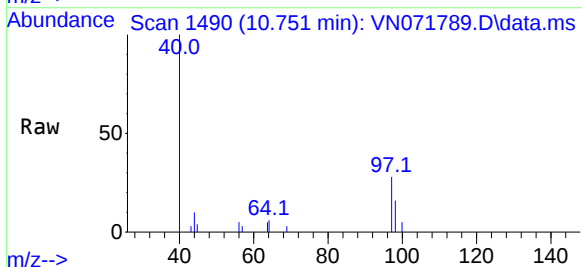
Ion Ratio Lower Upper

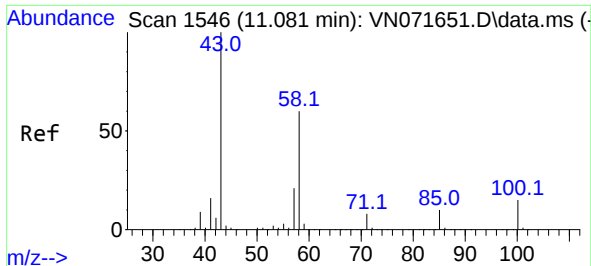
97 100

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: 0.520 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN071789.D

Acq: 02 Apr 2022 06:35

Instrument :

MSVOA_N

ClientSampleId :

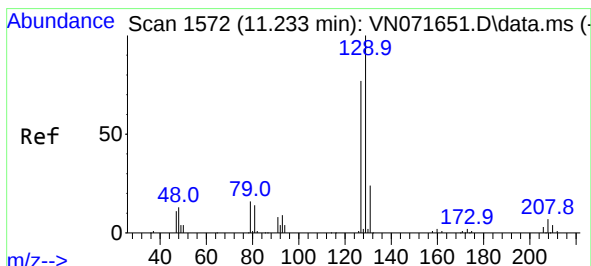
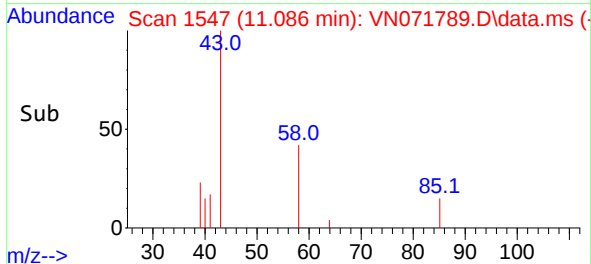
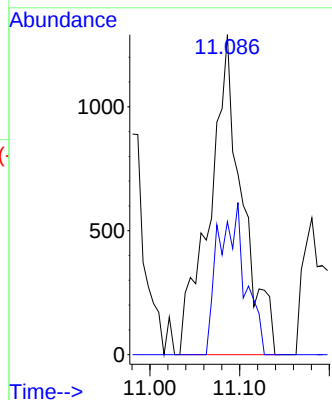
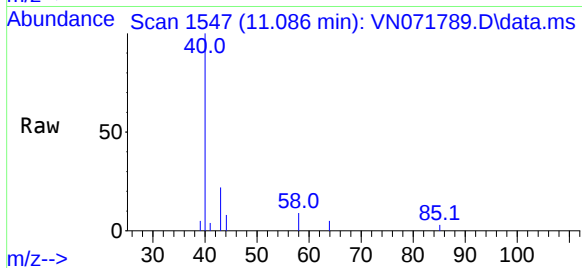
MW-31

Tgt Ion: 43 Resp: 3256

Ion Ratio Lower Upper

43 100

58 39.2 29.7 89.1



#60

Dibromochloromethane

Concen: 6.199 ug/l

RT: 10.975 min Scan# 1528

Delta R.T. -0.258 min

Lab File: VN071789.D

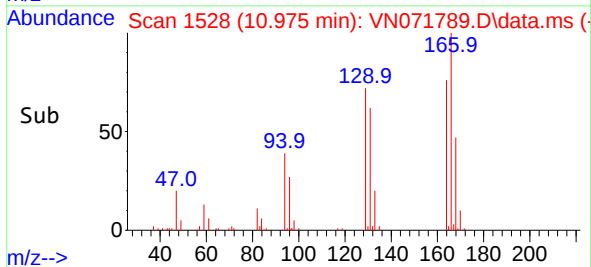
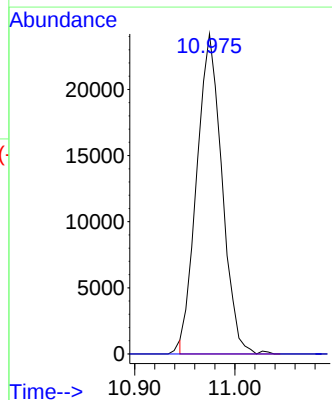
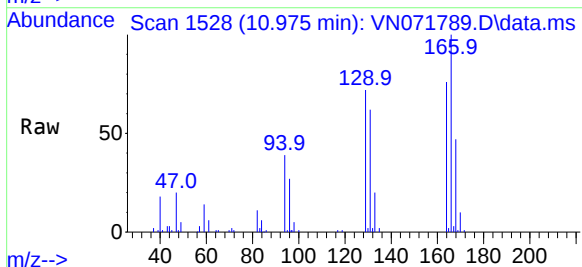
Acq: 02 Apr 2022 06:35

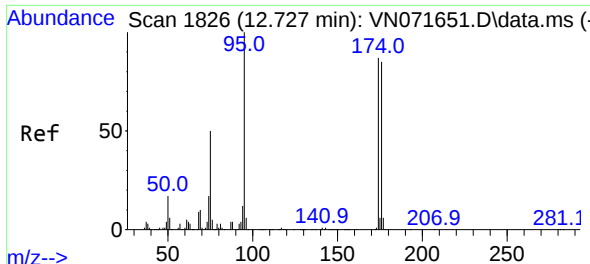
Tgt Ion: 129 Resp: 42229

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

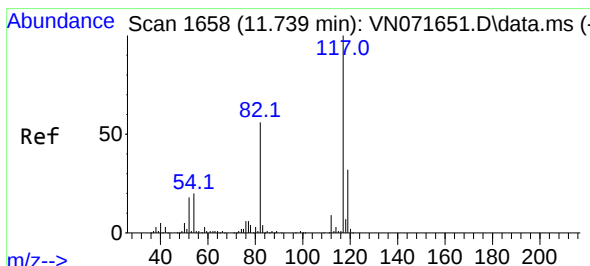
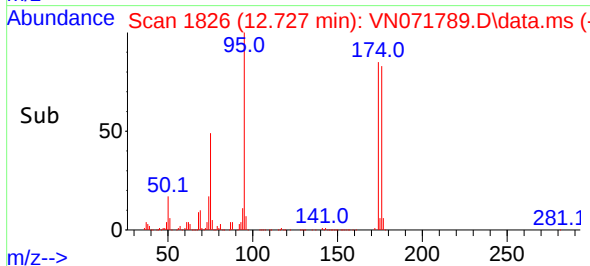
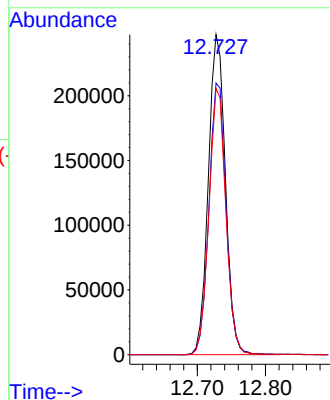
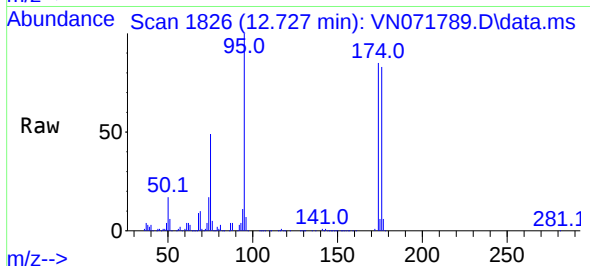




#62
4-Bromofluorobenzene
Concen: 53.537 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

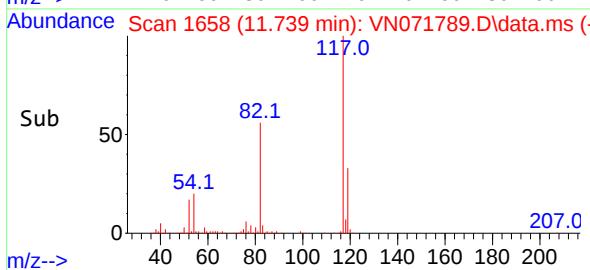
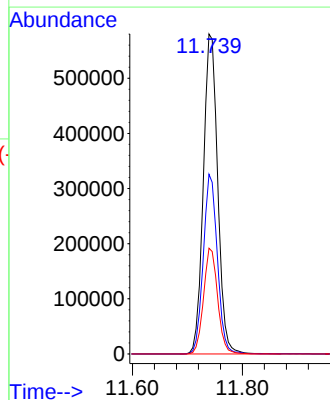
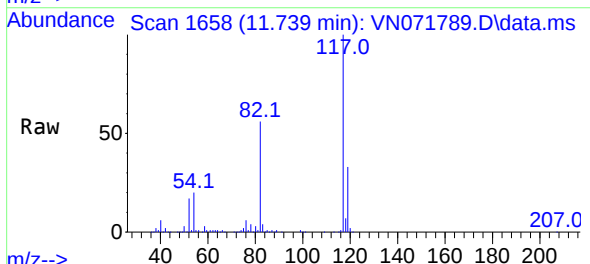
Instrument :
MSVOA_N
ClientSampleId :
MW-31

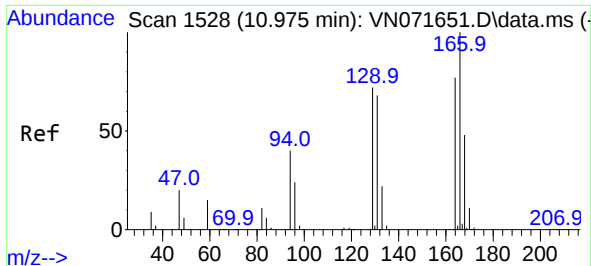
Tgt Ion: 95 Resp: 431212
Ion Ratio Lower Upper
95 100
174 85.3 0.0 167.6
176 82.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

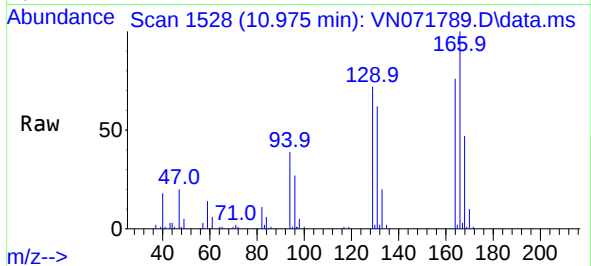
Tgt Ion: 117 Resp: 1054121
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 33.1 25.4 38.0



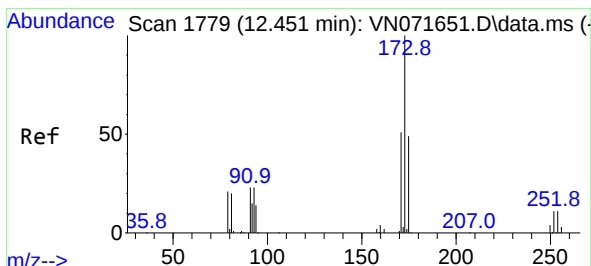
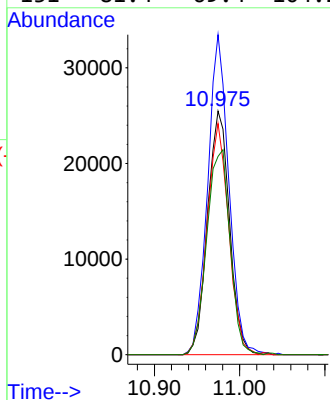
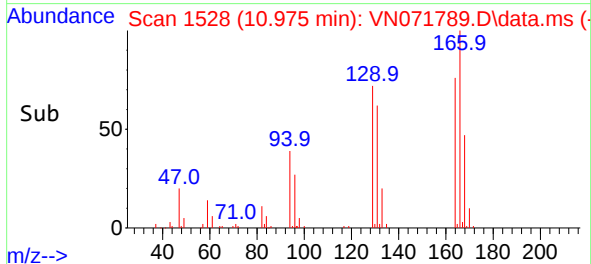


#64
Tetrachloroethene
Concen: 6.567 ug/l
RT: 10.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

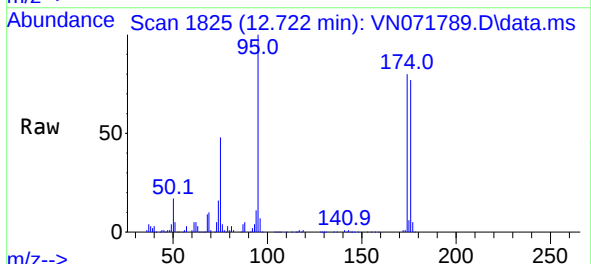
Instrument :
MSVOA_N
ClientSampleId :
MW-31



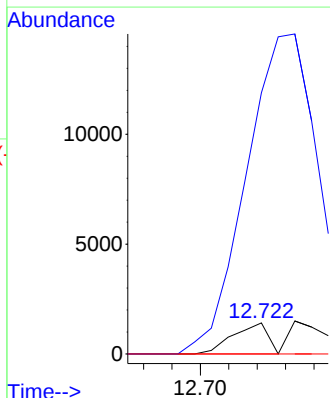
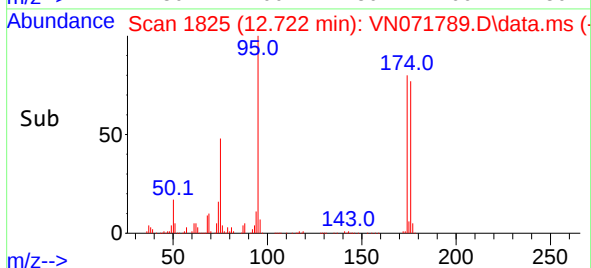
Tgt Ion:164 Resp: 45711
Ion Ratio Lower Upper
164 100
166 131.4 104.2 156.2
129 95.0 73.9 110.9
131 81.4 69.4 104.2

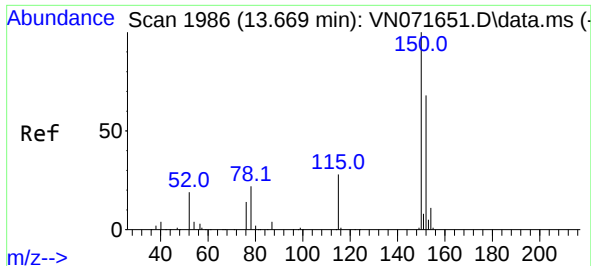


#71
Bromoform
Concen: 0.208 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35



Tgt Ion:173 Resp: 1207
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

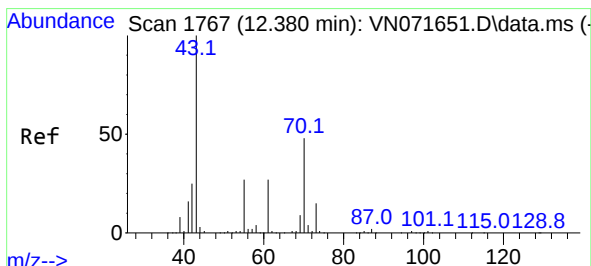
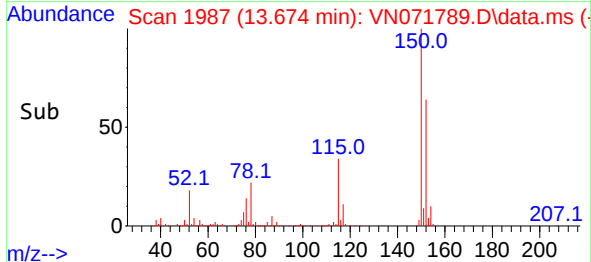
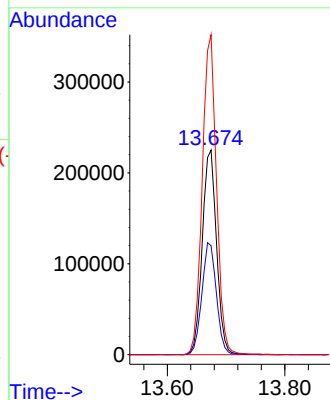
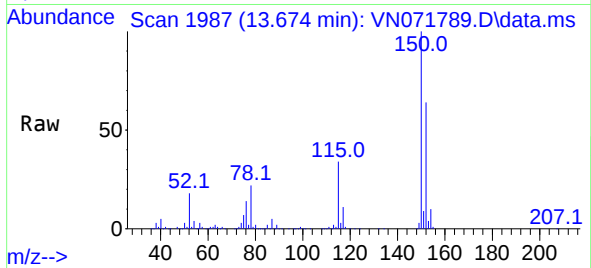




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.005 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

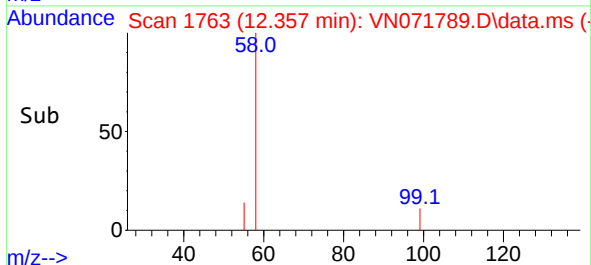
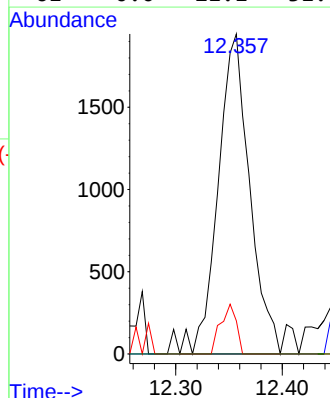
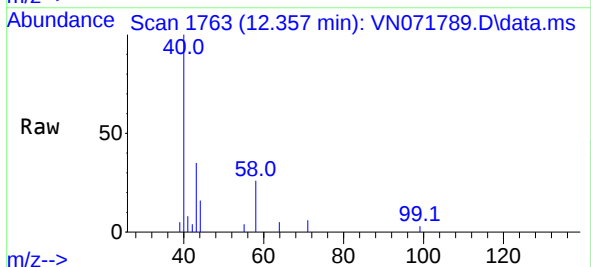
Instrument :
MSVOA_N
ClientSampleId :
MW-31

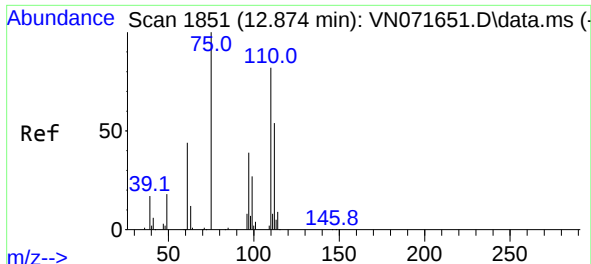
Tgt Ion:152 Resp: 382000
Ion Ratio Lower Upper
152 100
115 55.5 28.9 86.7
150 155.3 0.0 356.2



#74
N-ethyl acetate
Concen: 0.434 ug/l
RT: 12.357 min Scan# 1763
Delta R.T. -0.023 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

Tgt Ion: 43 Resp: 3999
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 7.8 21.1 31.7#
61 0.0 21.1 31.7#

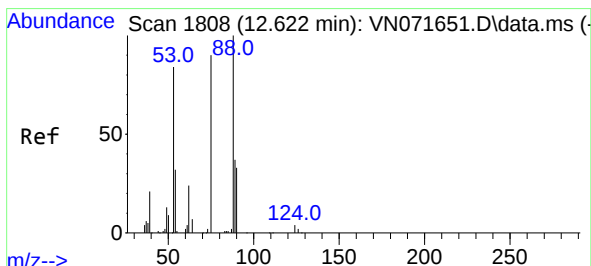
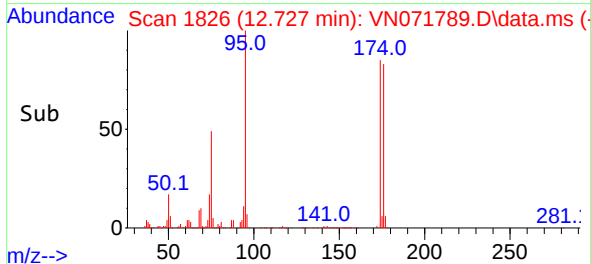
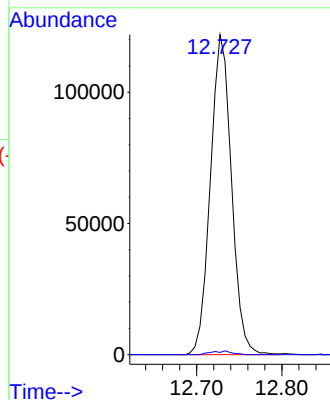
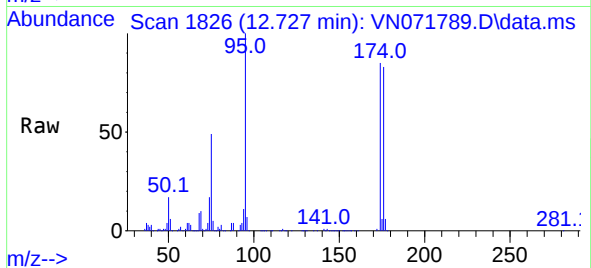




#76
1,2,3-Trichloropropane
Concen: 23.677 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

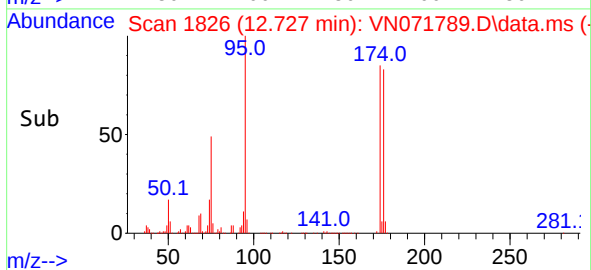
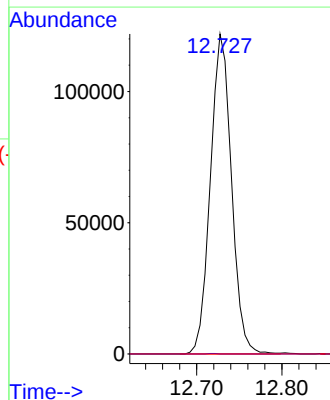
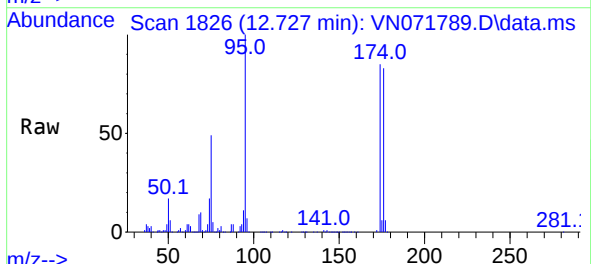
Instrument :
MSVOA_N
ClientSampleId :
MW-31

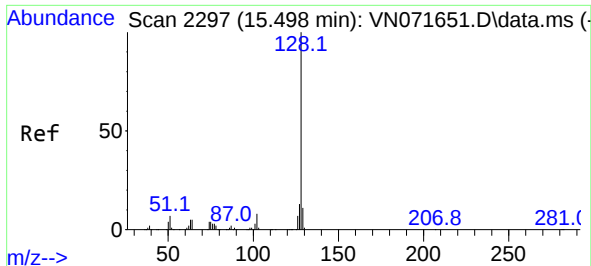
Tgt Ion: 75 Resp: 209528
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.375 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

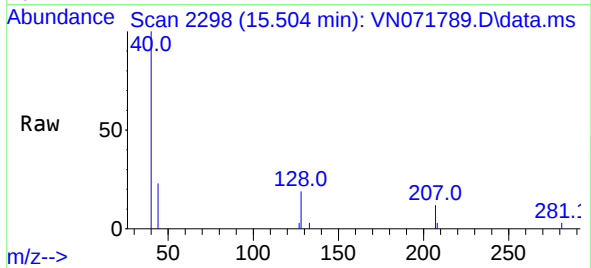
Tgt Ion: 75 Resp: 209528
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 3.918 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071789.D
Acq: 02 Apr 2022 06:35

Instrument :
MSVOA_N
ClientSampleId :
MW-31



Tgt Ion:	128	Resp:	2161
Ion	Ratio	Lower	Upper
128	100		
127	3.1	10.3	15.5#
129	0.0	8.6	13.0#

