

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075779.D
 Acq On : 14 Dec 2022 18:51
 Operator : JC\MD
 Sample : N6001-06RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6M

Quant Time: Dec 15 00:29:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

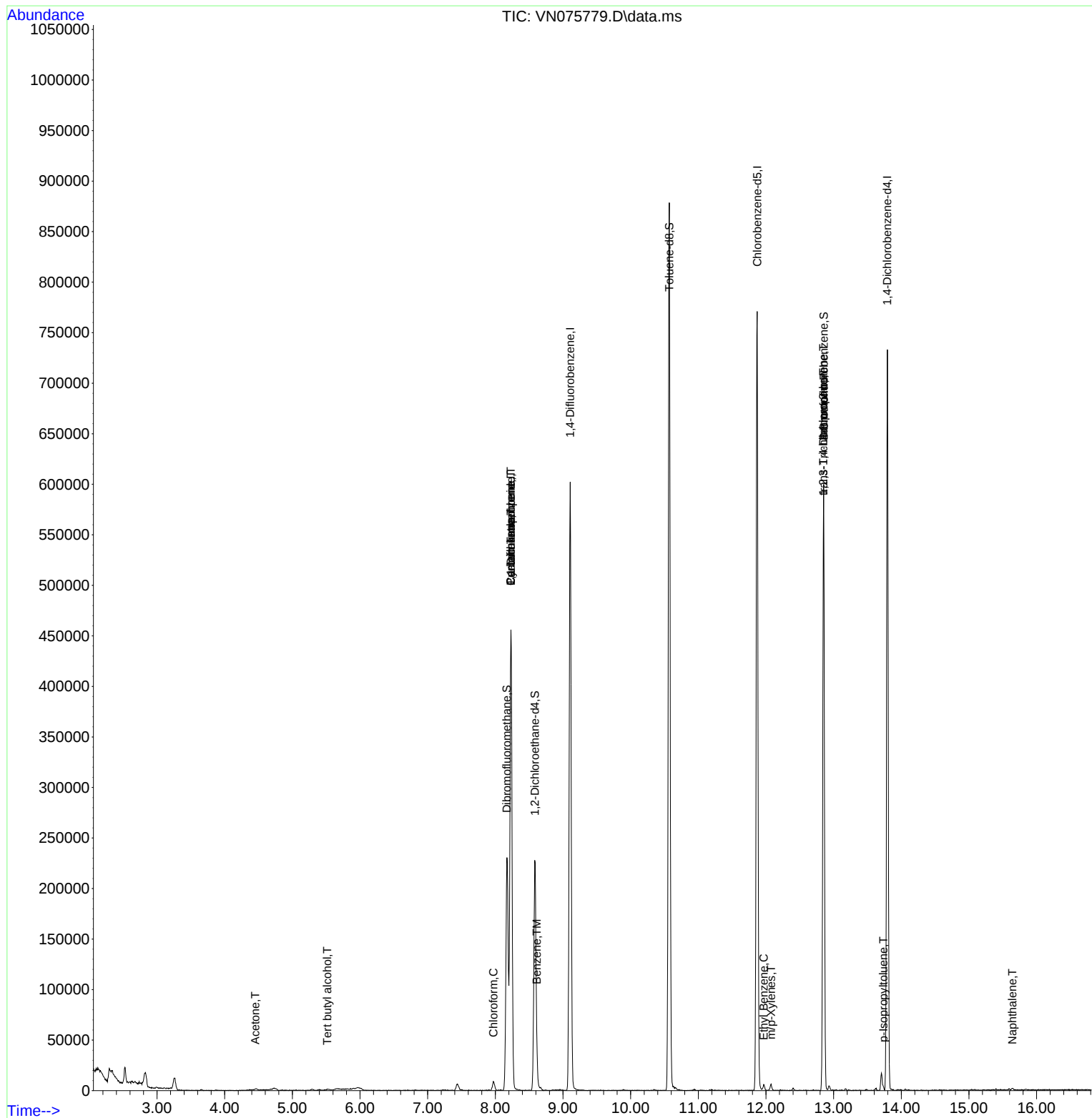
Internal Standards						
1) Pentafluorobenzene	8.229	168	360374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	559644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	479958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	181397	46.268	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.540%		
35) Dibromofluoromethane	8.171	113	165405	47.725	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.440%		
50) Toluene-d8	10.571	98	638261	49.255	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.520%		
62) 4-Bromofluorobenzene	12.853	95	197578	46.035	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.080%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	1067	1.923	ug/l #	72
16) Acetone	4.453	43	1950	1.443	ug/l #	75
20) Methylene Chloride	5.289	84	747	Below Cal	#	84
30) Chloroform	7.971	83	8658	1.271	ug/l	91
31) Cyclohexane	8.229	56	6586	1.173	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	25038	5.438	ug/l #	50
38) Carbon Tetrachloride	8.229	117	35274	6.846	ug/l #	15
40) Benzene	8.612	78	15798	1.112	ug/l #	89
67) Ethyl Benzene	11.965	91	4310	0.259	ug/l	89
68) m/p-Xylenes	12.076	106	2339	0.355	ug/l	97
71) Bromoform	12.853	173	1546	0.582	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	103280	24.669	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	103280	88.794	ug/l #	12
86) p-Isopropyltoluene	13.735	119	2557	0.201	ug/l #	77
95) Naphthalene	15.641	128	2328	2.375	ug/l #	73

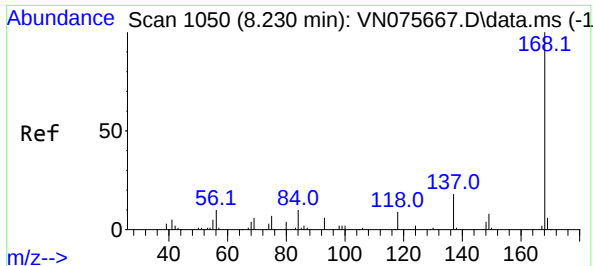
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN075779.D

Acq: 14 Dec 2022 18:51

Instrument :

MSVOA_N

ClientSampleId :

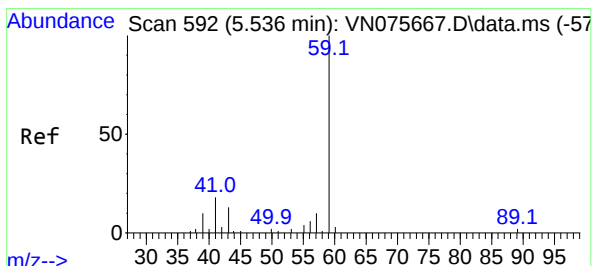
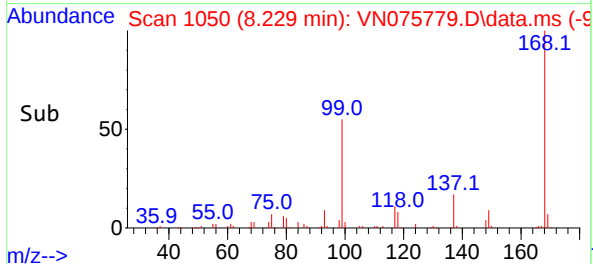
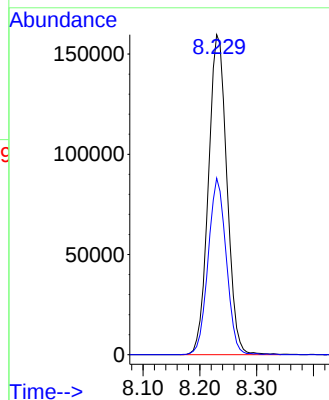
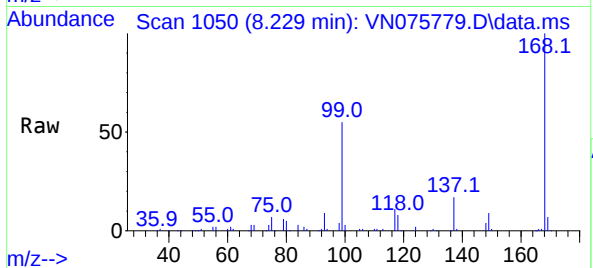
MW-6M

Tgt Ion:168 Resp: 360374

Ion Ratio Lower Upper

168 100

99 55.1 44.2 66.4



#11

Tert butyl alcohol

Concen: 1.923 ug/l

RT: 5.518 min Scan# 589

Delta R.T. -0.018 min

Lab File: VN075779.D

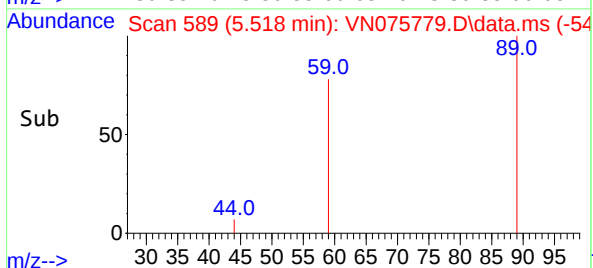
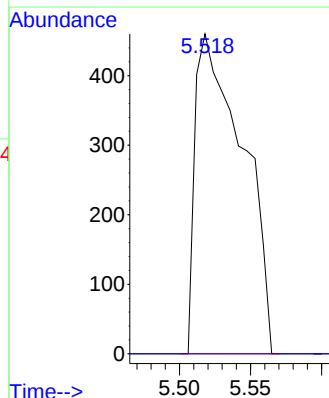
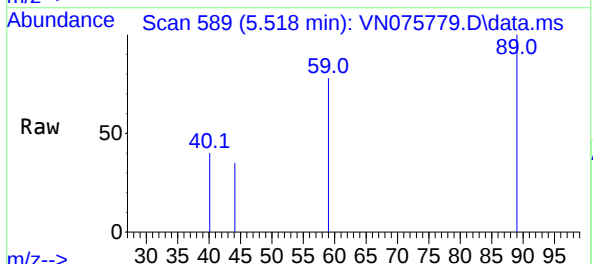
Acq: 14 Dec 2022 18:51

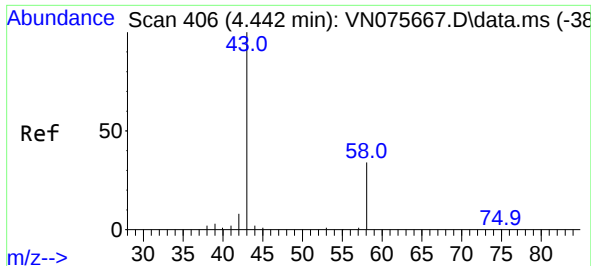
Tgt Ion: 59 Resp: 1067

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

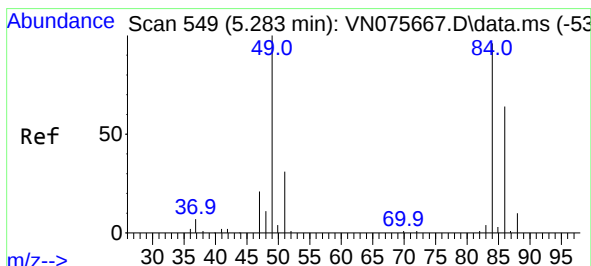
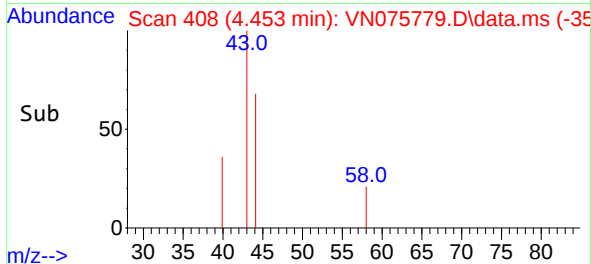
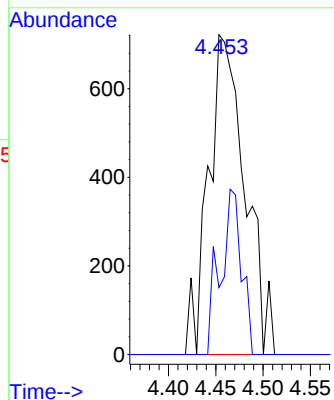
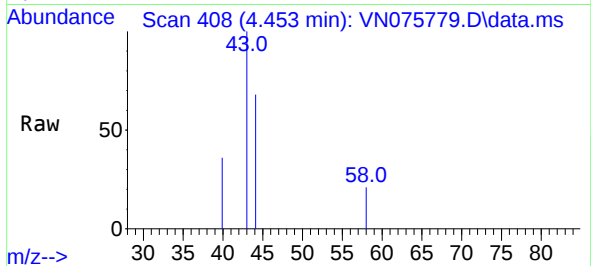




#16
Acetone
Concen: 1.443 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

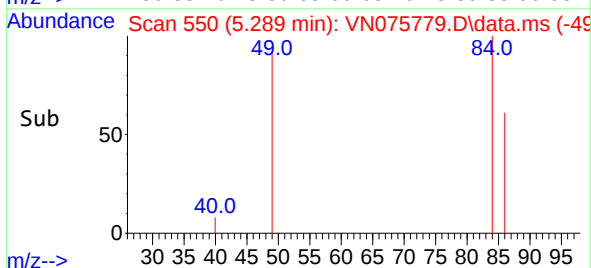
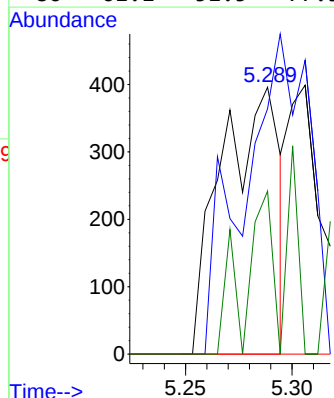
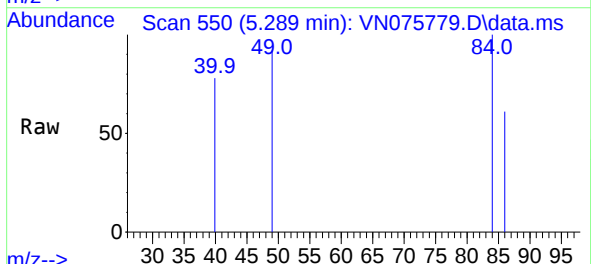
Instrument :
MSVOA_N
ClientSampleId :
MW-6M

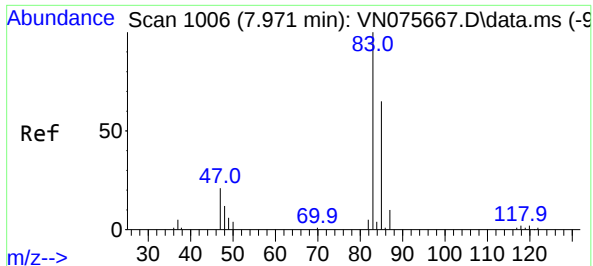
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
58 20.9 28.6 43.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

Tgt Ion: 84 Resp: 747
Ion Ratio Lower Upper
84 100
49 91.9 81.8 122.6
51 0.0 26.7 40.1#
86 61.1 51.5 77.3





#30

Chloroform

Concen: 1.271 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN075779.D

Acq: 14 Dec 2022 18:51

Instrument :

MSVOA_N

ClientSampleId :

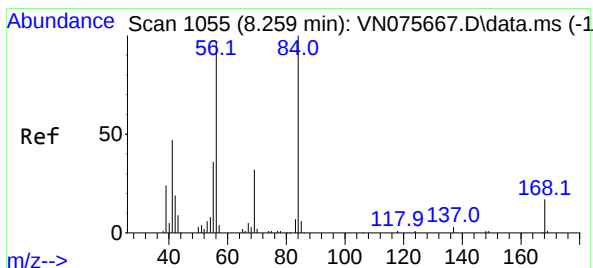
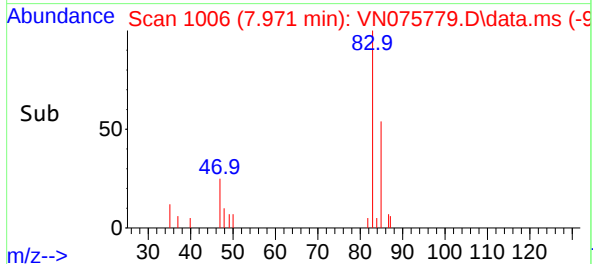
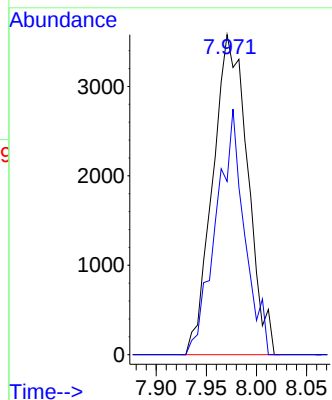
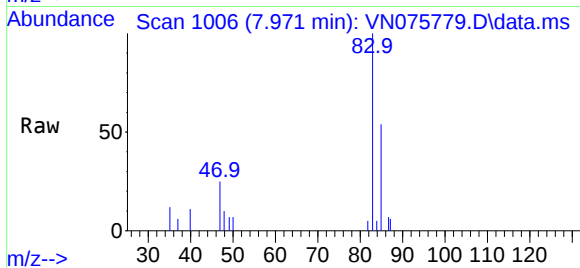
MW-6M

Tgt Ion: 83 Resp: 8658

Ion Ratio Lower Upper

83 100

85 54.2 49.1 73.7



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN075779.D

Acq: 14 Dec 2022 18:51

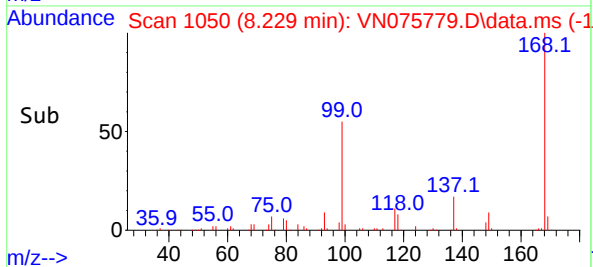
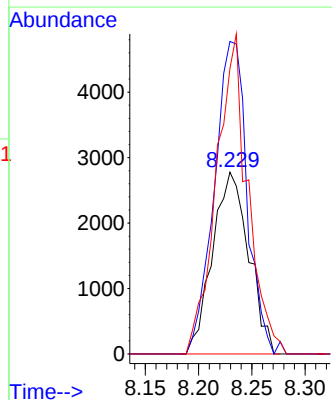
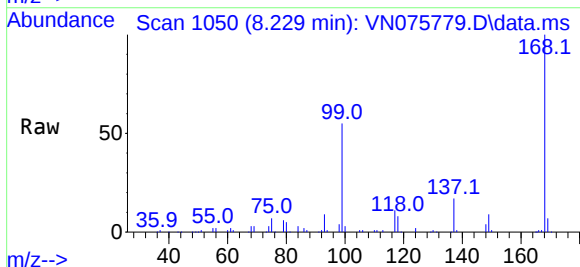
Tgt Ion: 56 Resp: 6586

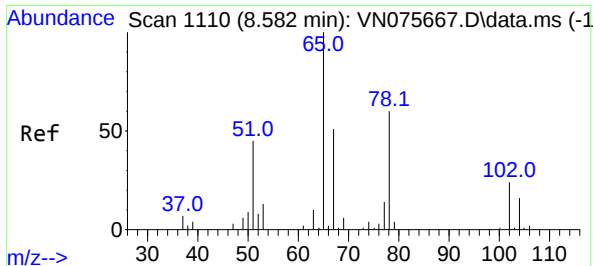
Ion Ratio Lower Upper

56 100

69 171.8 24.7 37.1#

84 157.1 76.5 114.7#

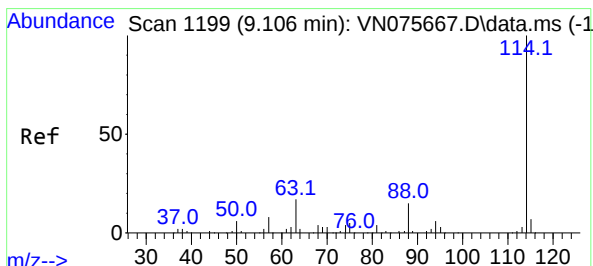
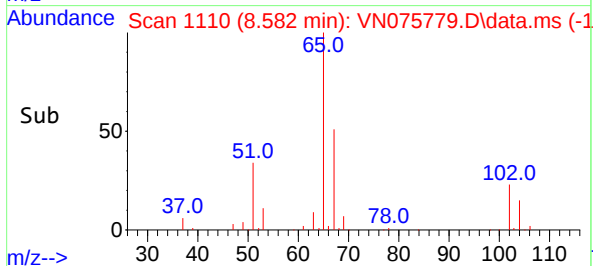
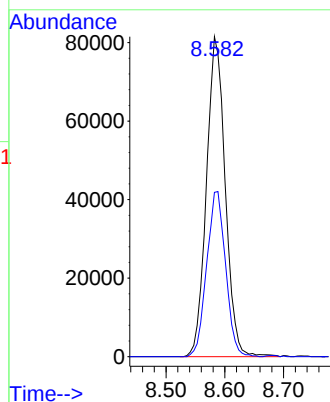
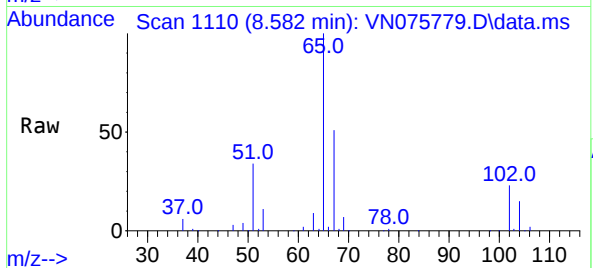




#33
1,2-Dichloroethane-d4
Concen: 46.268 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

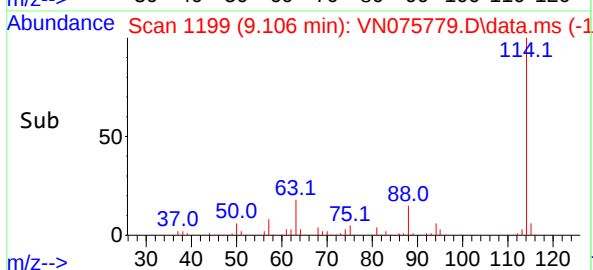
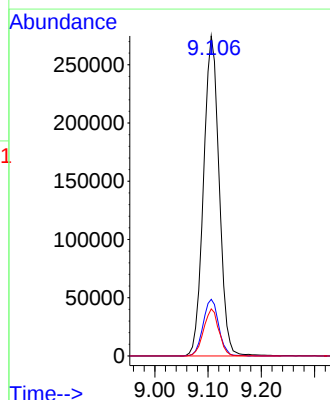
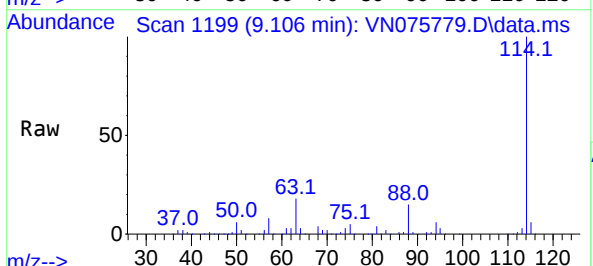
Instrument :
MSVOA_N
ClientSampleId :
MW-6M

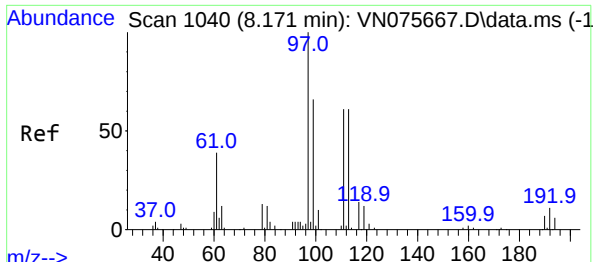
Tgt Ion: 65 Resp: 181397
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

Tgt Ion: 114 Resp: 559644
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.4
88 14.7 0.0 28.8

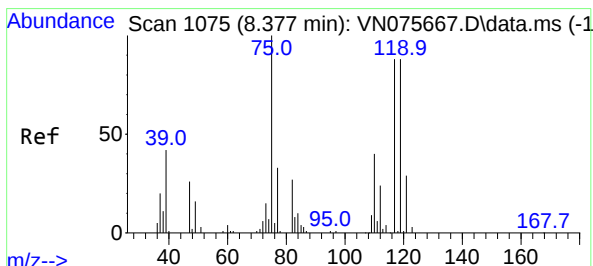
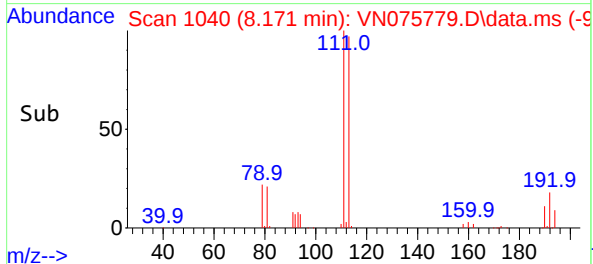
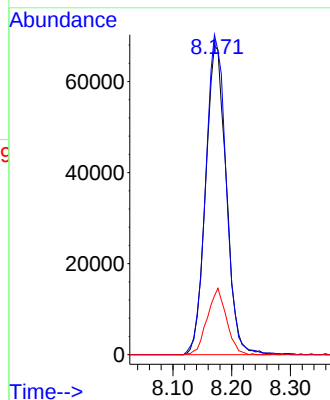
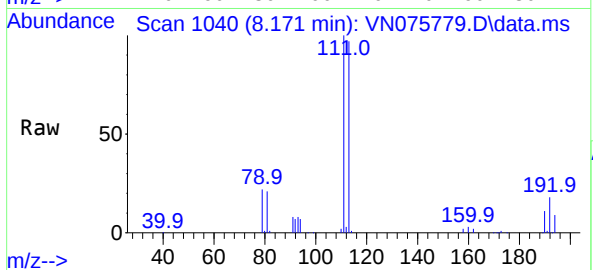




#35
Dibromofluoromethane
Concen: 47.725 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

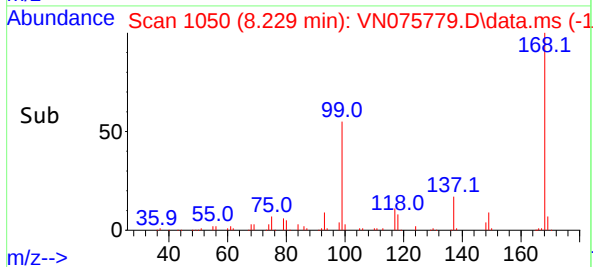
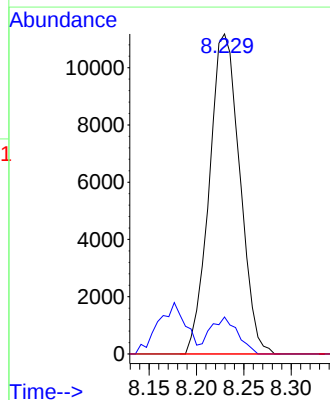
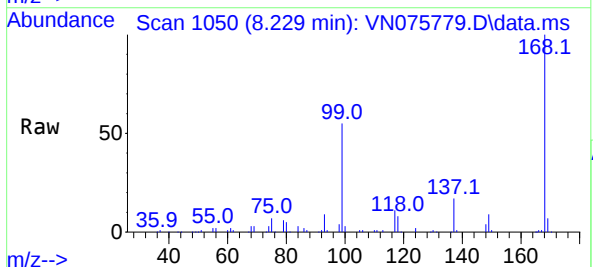
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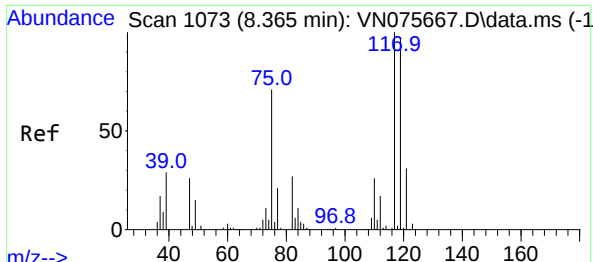
Tgt Ion:113 Resp: 165405
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.2
192 20.1 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.438 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

Tgt Ion: 75 Resp: 25038
Ion Ratio Lower Upper
75 100
110 10.5 18.8 56.4#
77 0.0 24.1 36.1#

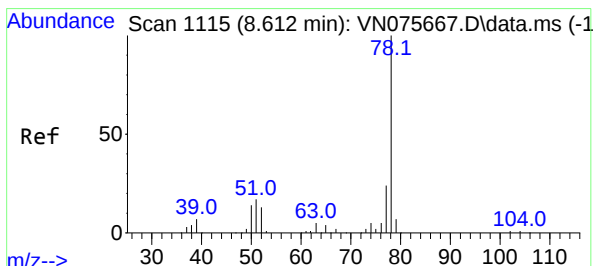
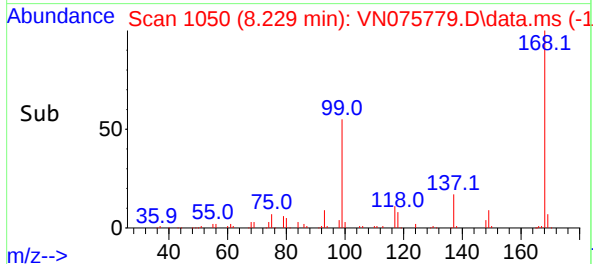
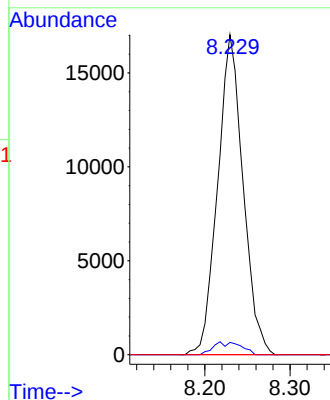
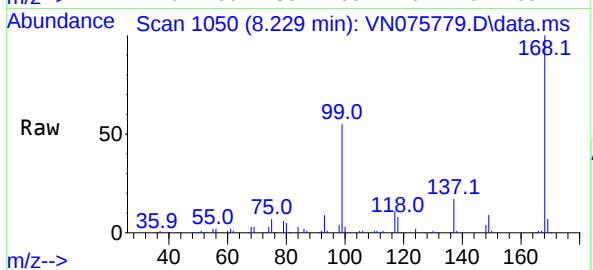




#38
Carbon Tetrachloride
Concen: 6.846 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

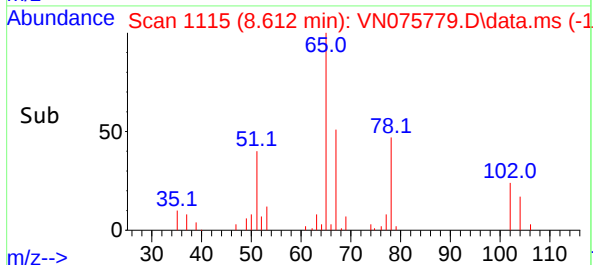
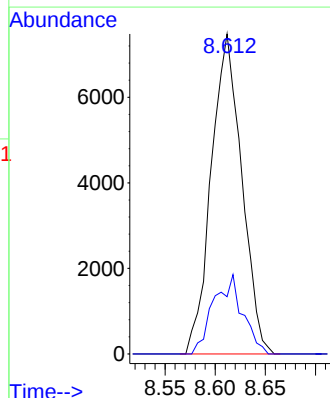
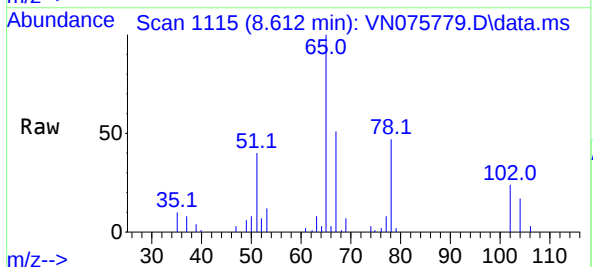
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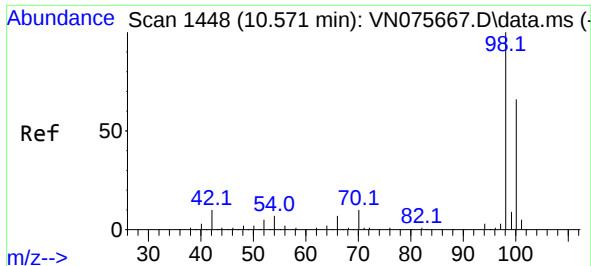
Tgt Ion:117 Resp: 35274
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 1.112 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

Tgt Ion: 78 Resp: 15798
Ion Ratio Lower Upper
78 100
77 17.9 18.5 27.7#

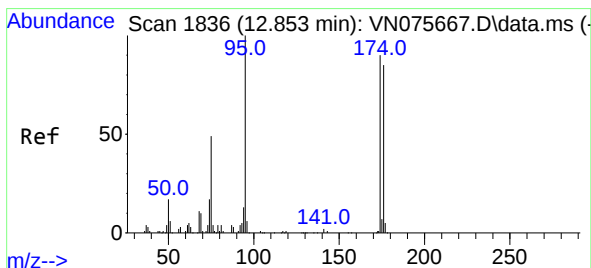
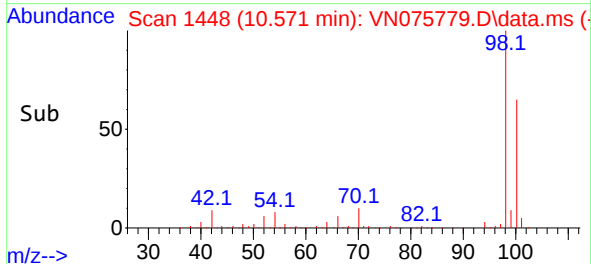
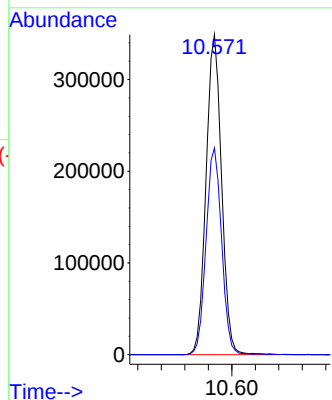
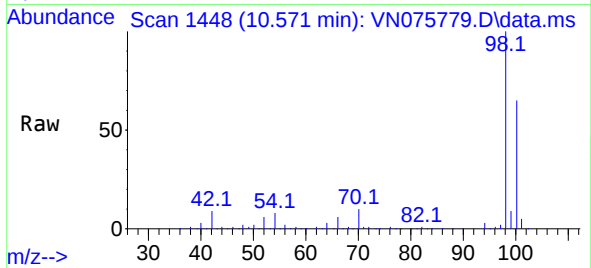




#50
Toluene-d8
Concen: 49.255 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

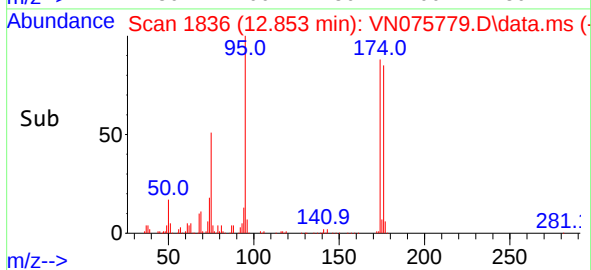
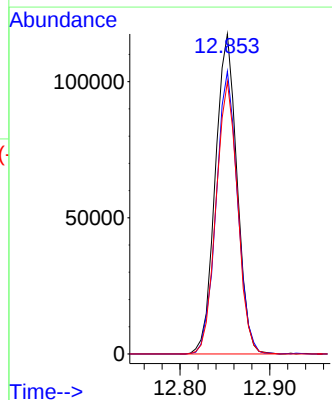
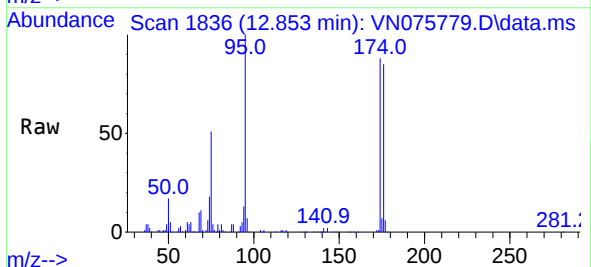
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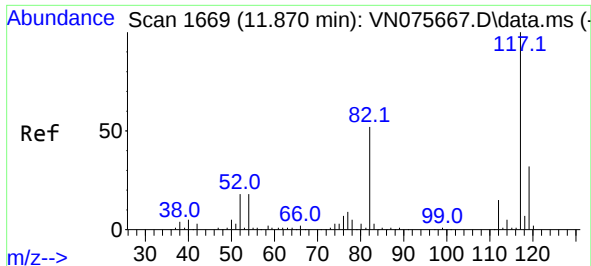
Tgt Ion: 98 Resp: 638261
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.035 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

Tgt Ion: 95 Resp: 197578
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 84.2 0.0 169.2

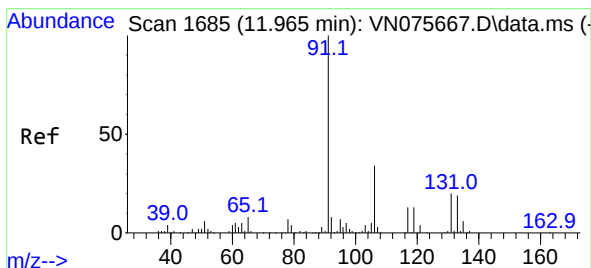
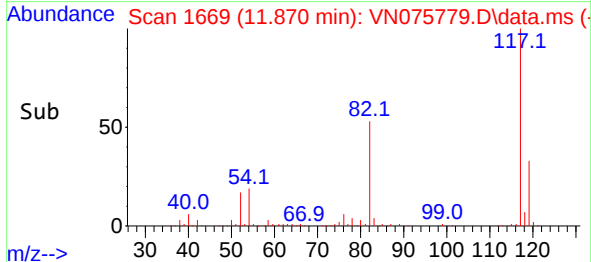
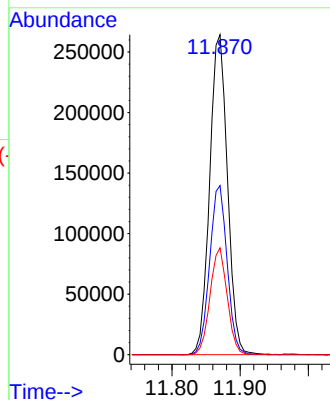
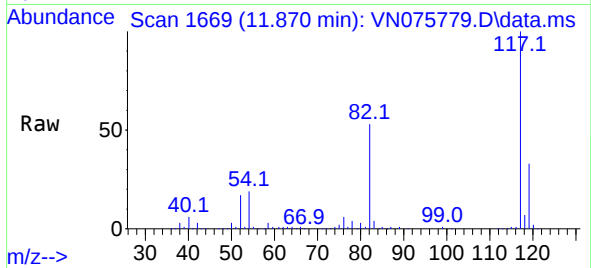




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

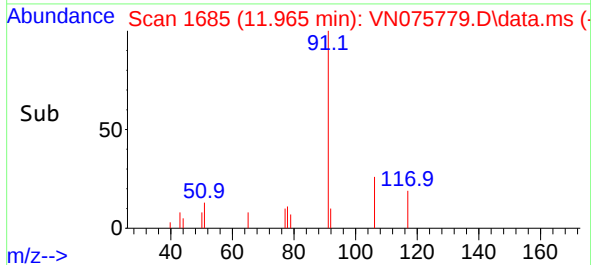
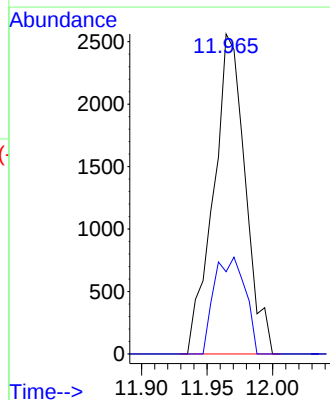
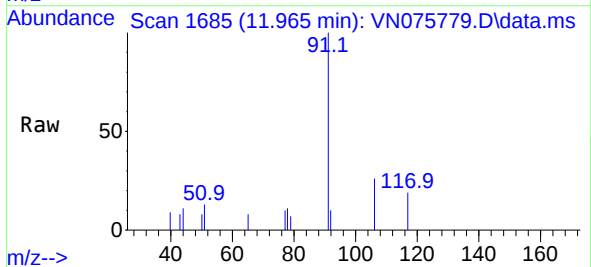
Instrument :
MSVOA_N
ClientSampleId :
MW-6M

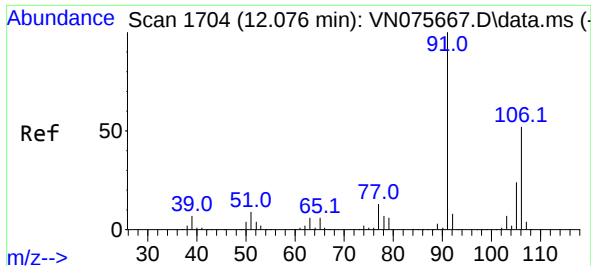
Tgt Ion:117 Resp: 479958
Ion Ratio Lower Upper
117 100
82 52.9 41.3 61.9
119 33.4 24.6 37.0



#67
Ethyl Benzene
Concen: 0.259 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

Tgt Ion: 91 Resp: 4310
Ion Ratio Lower Upper
91 100
106 25.7 25.7 38.5

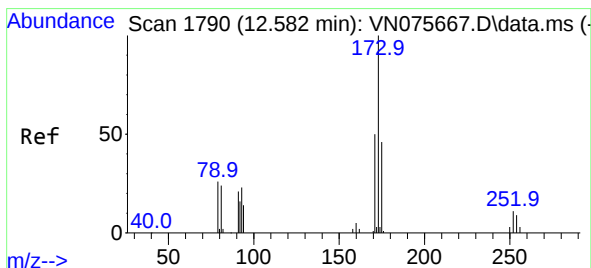
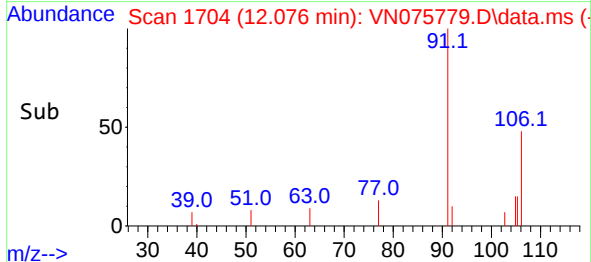
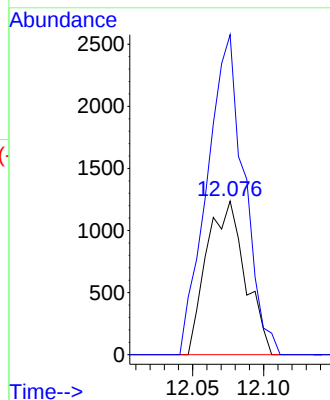
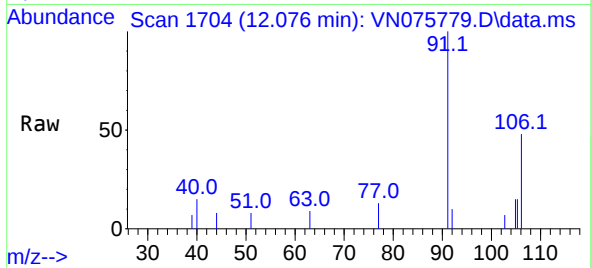




#68
m/p-Xylenes
Concen: 0.355 ug/l
RT: 12.076 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

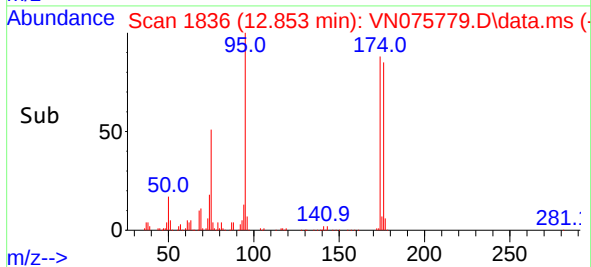
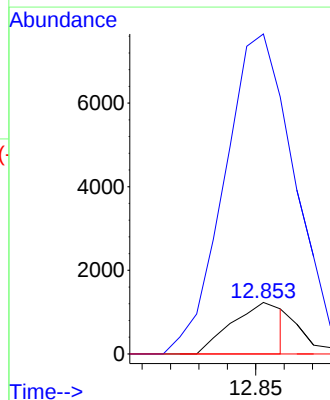
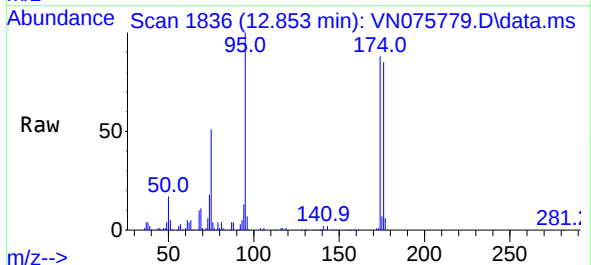
Instrument :
MSVOA_N
ClientSampleId :
MW-6M

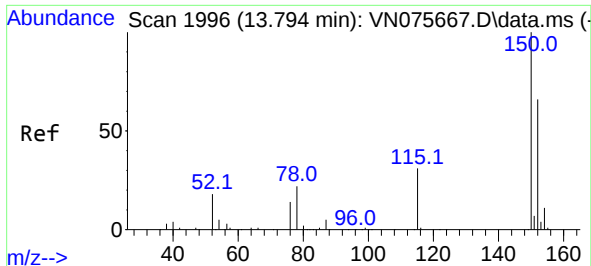
Tgt Ion:106 Resp: 2339
Ion Ratio Lower Upper
106 100
91 200.5 156.6 235.0



#71
Bromoform
Concen: 0.582 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

Tgt Ion:173 Resp: 1546
Ion Ratio Lower Upper
173 100
175 690.2 24.3 72.8#
254 0.0 0.0 0.0

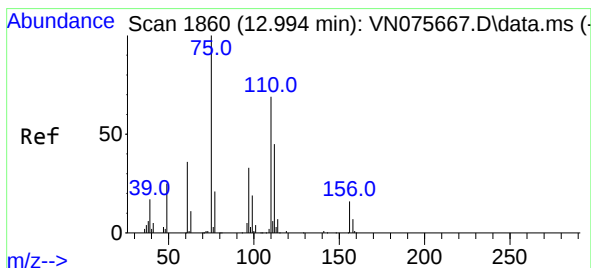
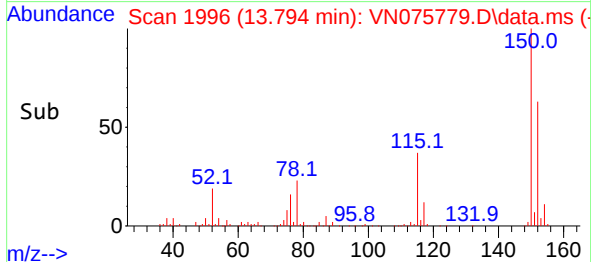
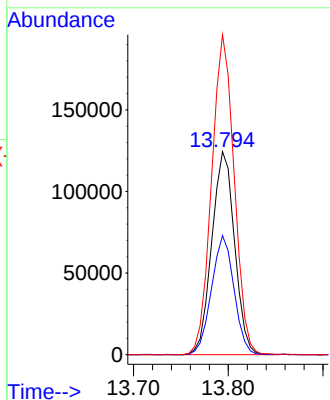
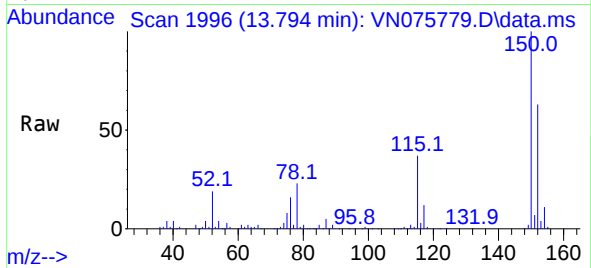




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075779.D
 Acq: 14 Dec 2022 18:51

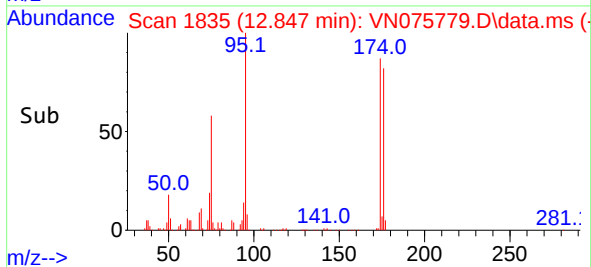
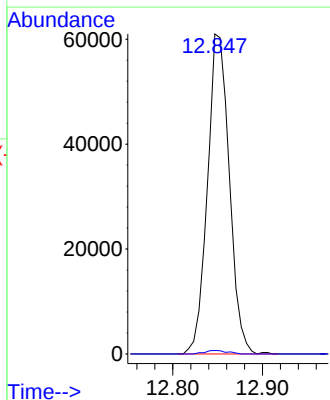
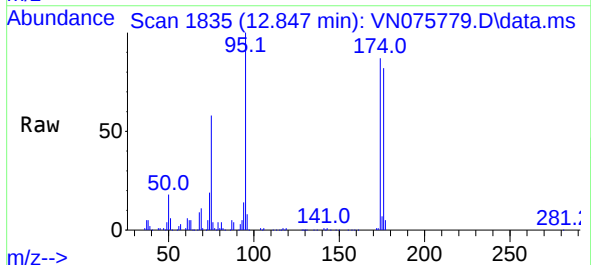
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6M

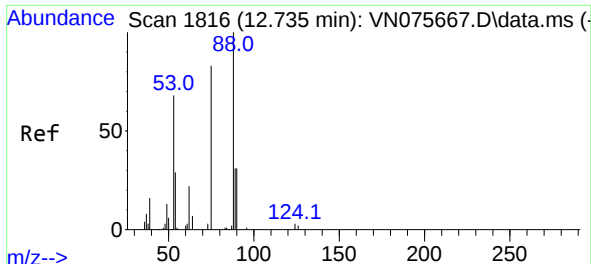
Tgt Ion:152 Resp: 207699
 Ion Ratio Lower Upper
 152 100
 115 58.0 29.1 87.4
 150 156.2 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 24.669 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN075779.D
 Acq: 14 Dec 2022 18:51

Tgt Ion: 75 Resp: 103280
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

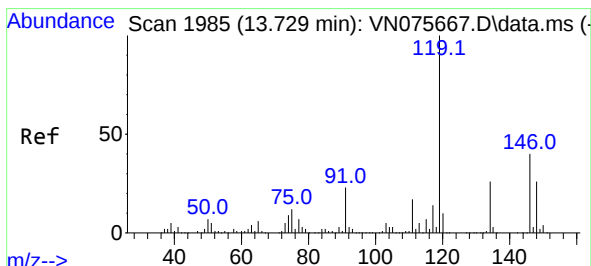
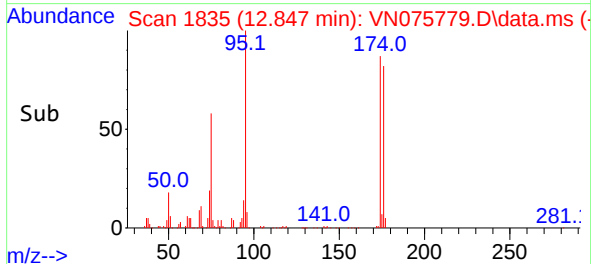
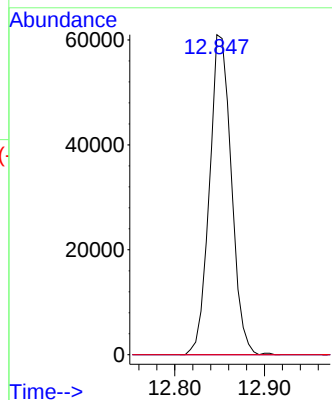
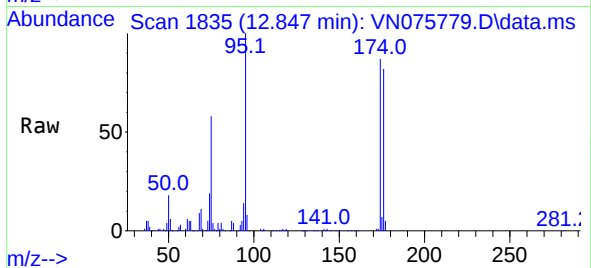




#81
trans-1,4-Dichloro-2-butene
Concen: 88.794 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

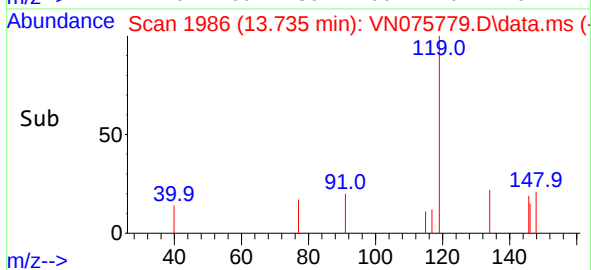
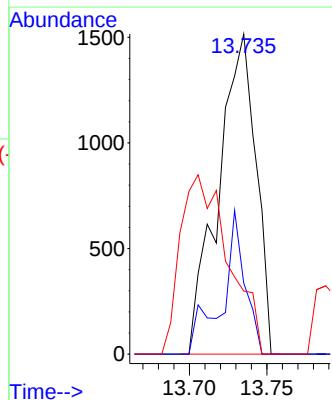
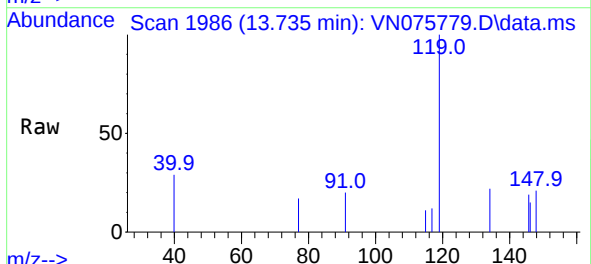
Instrument :
MSVOA_N
ClientSampleId :
MW-6M

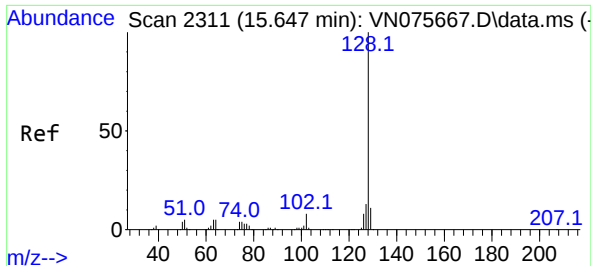
Tgt Ion: 75 Resp: 103280
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#86
p-Isopropyltoluene
Concen: 0.201 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

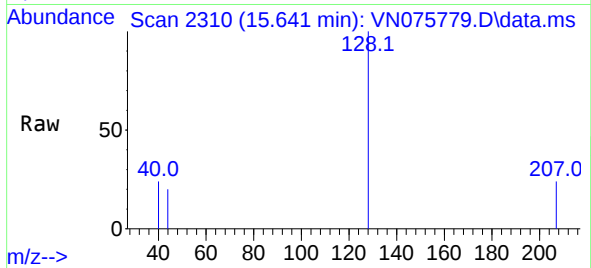
Tgt Ion: 119 Resp: 2557
Ion Ratio Lower Upper
119 100
134 27.6 13.0 39.0
91 0.0 11.2 33.6#





#95
Naphthalene
Concen: 2.375 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075779.D
Acq: 14 Dec 2022 18:51

Instrument :
MSVOA_N
ClientSampleId :
MW-6M



Tgt Ion:128 Resp: 2328
Ion Ratio Lower Upper
128 100
127 3.0 10.4 15.6#
129 0.0 8.7 13.1#

