

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075777.D
 Acq On : 14 Dec 2022 18:03
 Operator : JC\MD
 Sample : N6001-05DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6RDL

Quant Time: Dec 15 00:28:54 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)

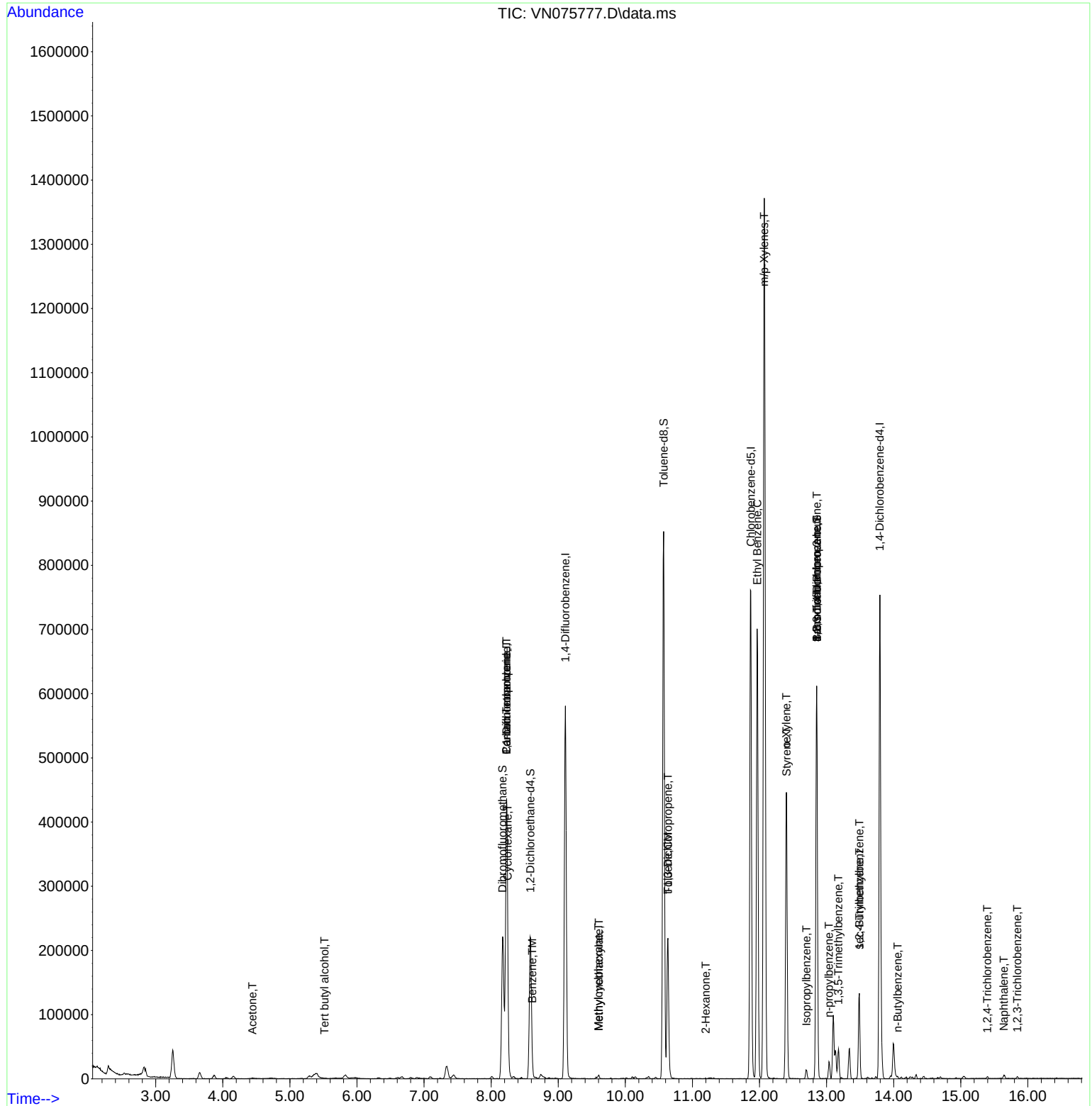
Internal Standards						
1) Pentafluorobenzene	8.229	168	345572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	538768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	474504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	179279	47.687	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.380%		
35) Dibromofluoromethane	8.171	113	159317	47.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.500%		
50) Toluene-d8	10.570	98	622062	49.865	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.740%		
62) 4-Bromofluorobenzene	12.853	95	206300	49.930	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.860%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	751	1.412	ug/l #	72
16) Acetone	4.441	43	441	0.340	ug/l #	39
20) Methylene Chloride	5.289	84	1440	Below Cal	#	68
31) Cyclohexane	8.247	56	10127	1.881	ug/l #	76
36) 1,1-Dichloropropene	8.229	75	23072	5.206	ug/l #	51
38) Carbon Tetrachloride	8.229	117	34954	7.046	ug/l #	16
39) Methylcyclohexane	9.600	83	2461	0.460	ug/l #	82
40) Benzene	8.612	78	2982	0.218	ug/l #	87
48) Methyl methacrylate	9.606	41	1097	0.415	ug/l #	56
52) Toluene	10.635	92	102285	11.485	ug/l	98
53) t-1,3-Dichloropropene	10.635	75	1201	0.253	ug/l #	1
59) 2-Hexanone	11.200	43	886	0.342	ug/l	67
67) Ethyl Benzene	11.965	91	538025	32.732	ug/l	99
68) m/p-Xylenes	12.070	106	481410	73.997	ug/l	98
69) o-Xylene	12.400	106	135270	21.011	ug/l	100
70) Styrene	12.406	104	7693	0.752	ug/l #	1
71) Bromoform	12.853	173	1550	0.590	ug/l #	1
73) Isopropylbenzene	12.700	105	10314	0.678	ug/l	94
76) 1,2,3-Trichloropropane	12.853	75	103359	24.371	ug/l #	1
78) n-propylbenzene	13.035	91	21538	1.284	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	25618	2.013	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.853	75	103359	87.723	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.488	105	78535	6.221	ug/l	98
85) sec-Butylbenzene	13.488	105	78535	5.072	ug/l #	56
89) n-Butylbenzene	14.059	91	2261	0.217	ug/l #	71
93) 1,2,4-Trichlorobenzene	15.394	180	1182	0.341	ug/l	97
95) Naphthalene	15.641	128	5763	2.659	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	977	0.302	ug/l	70

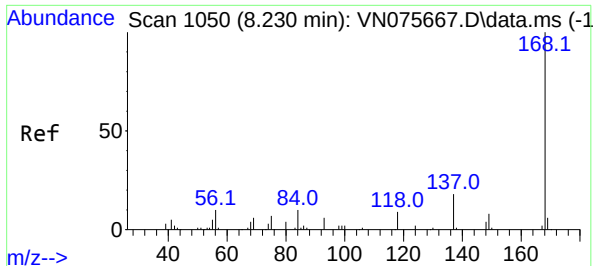
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

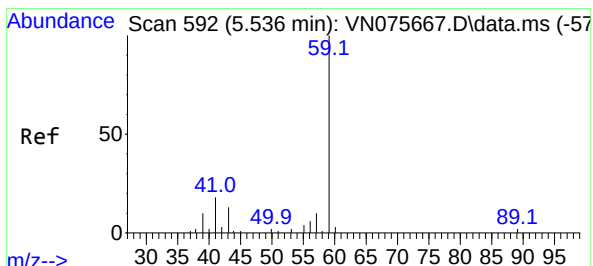
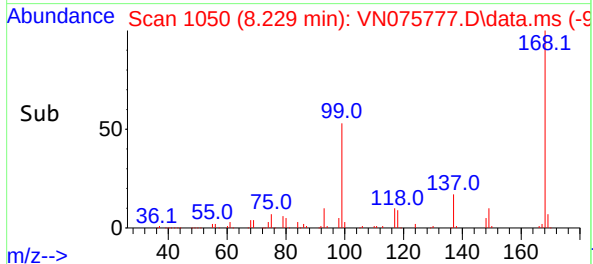
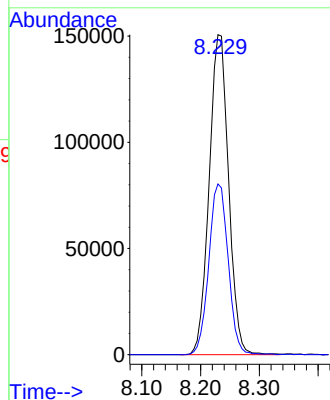
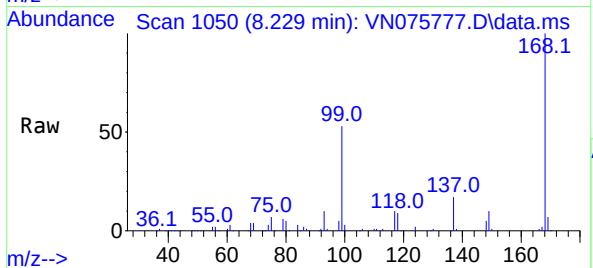




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

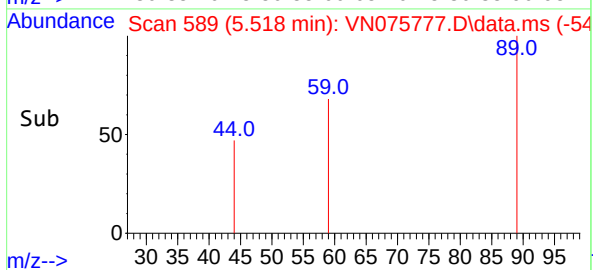
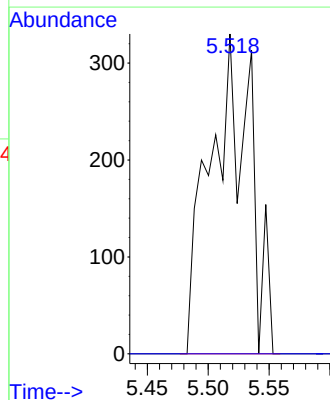
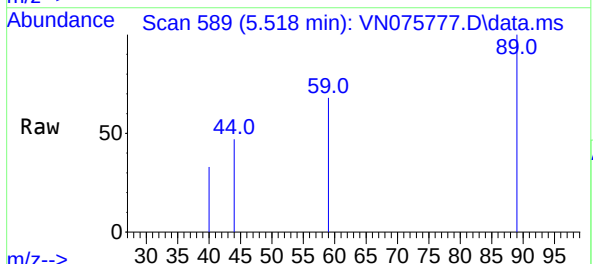
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

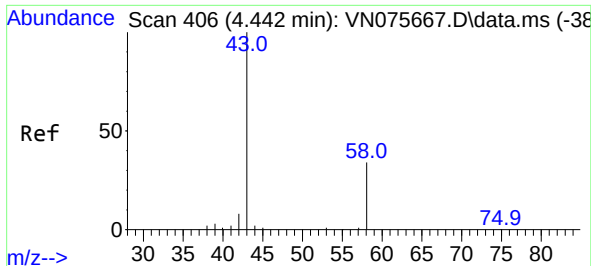
Tgt Ion:168 Resp: 345572
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.412 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.018 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion: 59 Resp: 751
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

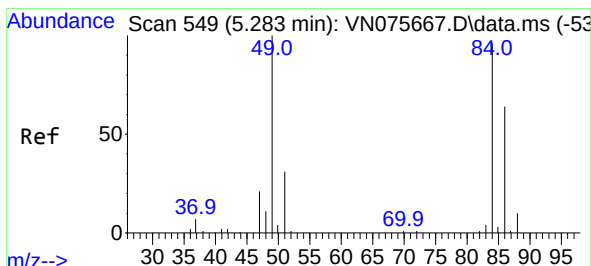
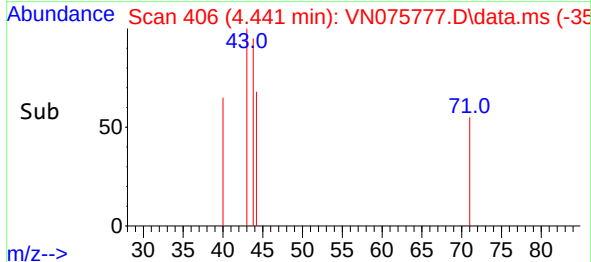
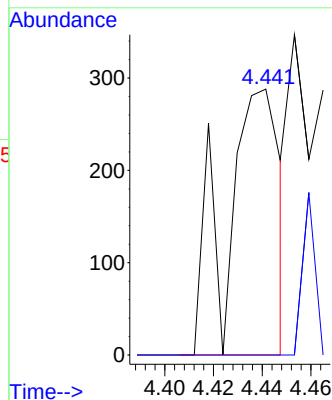
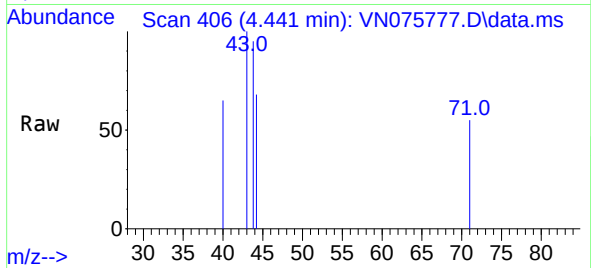




#16
Acetone
Concen: 0.340 ug/l
RT: 4.441 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

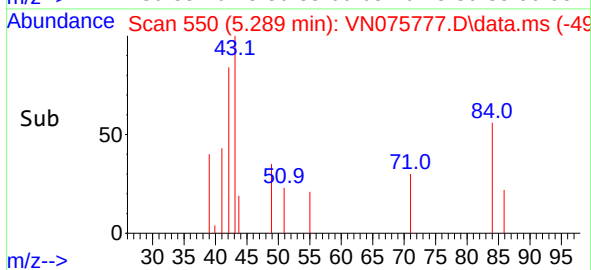
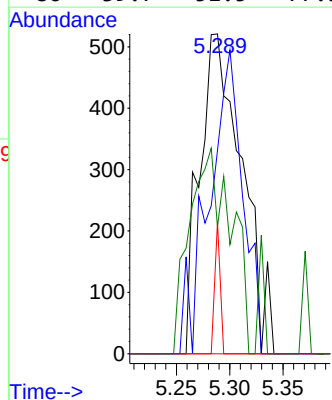
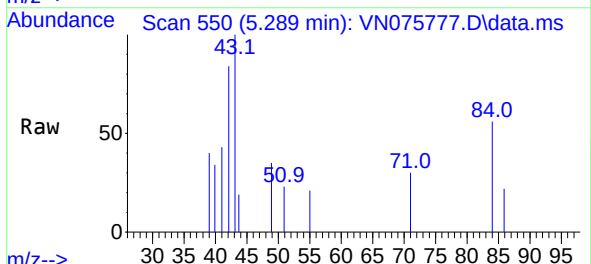
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

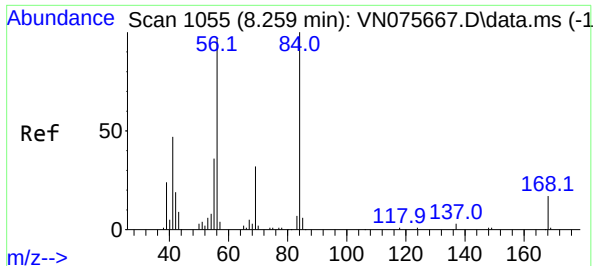
Tgt Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

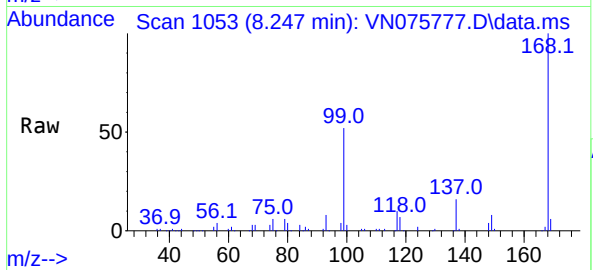
Tgt Ion: 84 Resp: 1440
Ion Ratio Lower Upper
84 100
49 63.5 81.8 122.6#
51 41.3 26.7 40.1#
86 39.7 51.5 77.3#



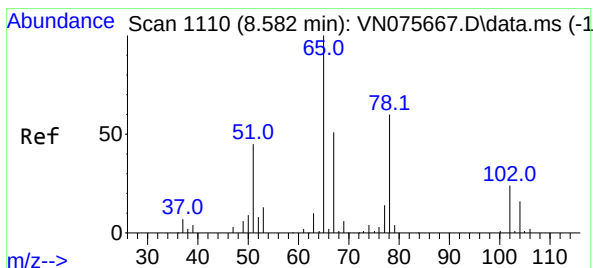
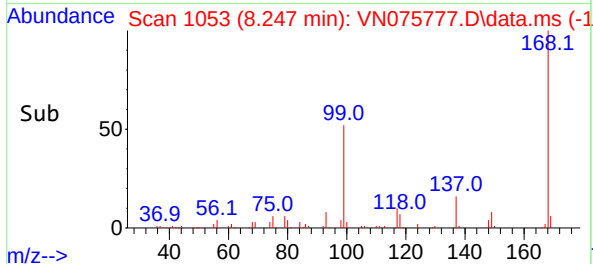
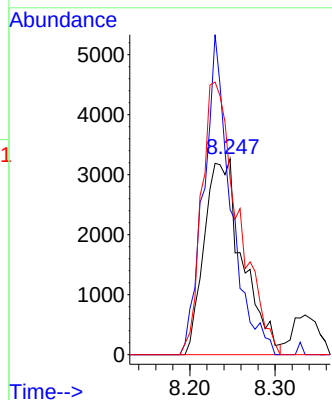


#31
Cyclohexane
Concen: 1.881 ug/l
RT: 8.247 min Scan# 1053
Delta R.T. -0.018 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

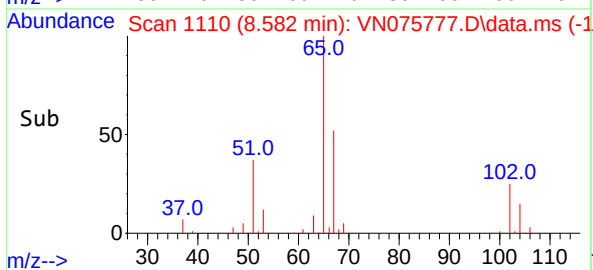
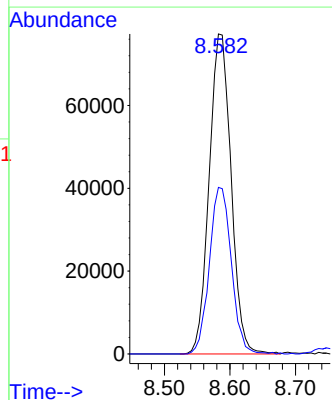
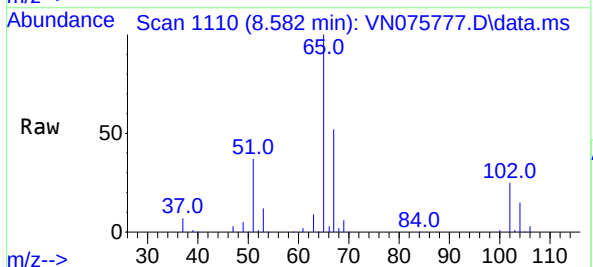


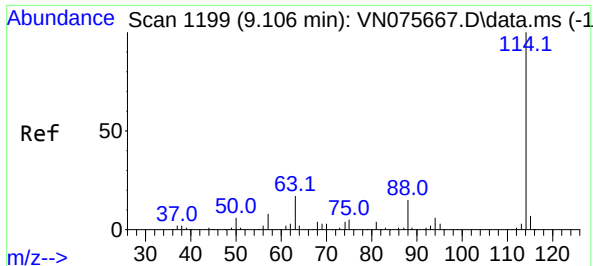
Tgt Ion: 56 Resp: 10127
Ion Ratio Lower Upper
56 100
69 74.1 24.7 37.1#
84 89.6 76.5 114.7



#33
1,2-Dichloroethane-d4
Concen: 47.687 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion: 65 Resp: 179279
Ion Ratio Lower Upper
65 100
67 52.3 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: VN075777.D

Acq: 14 Dec 2022 18:03

Instrument :

MSVOA_N

ClientSampleId :

MW-6RDL

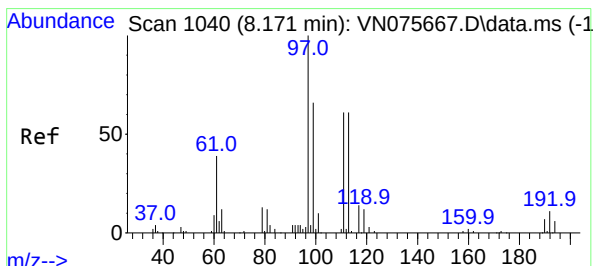
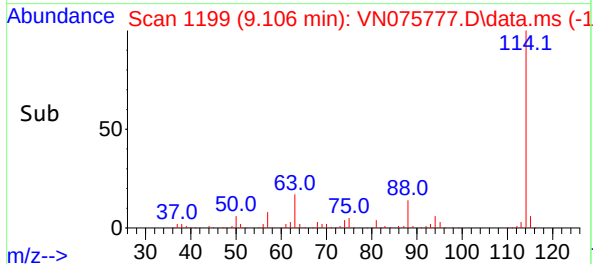
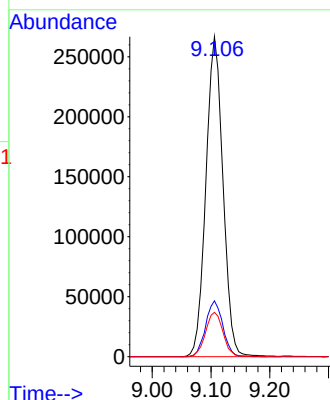
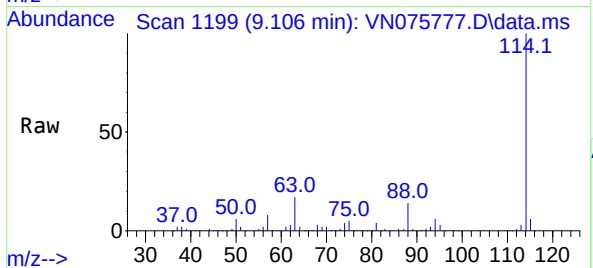
Tgt Ion:114 Resp: 538768

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.4

88 13.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.750 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075777.D

Acq: 14 Dec 2022 18:03

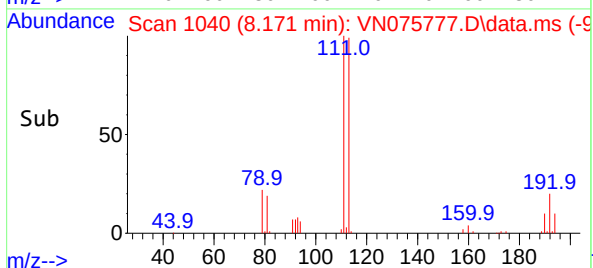
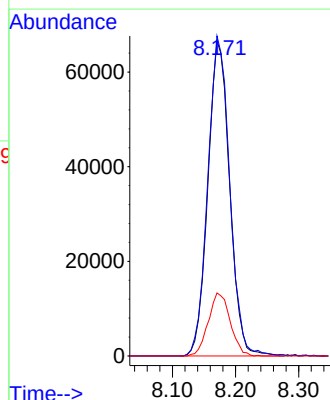
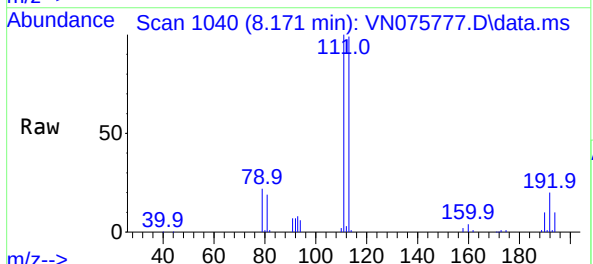
Tgt Ion:113 Resp: 159317

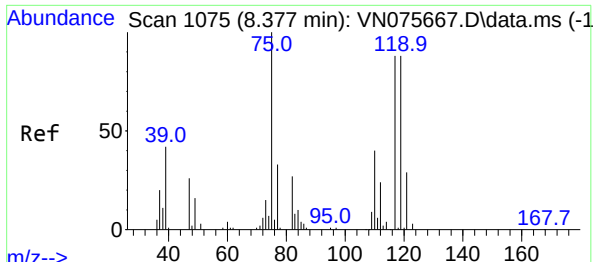
Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

192 20.2 16.1 24.1

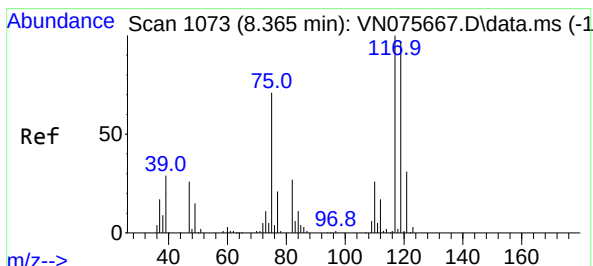
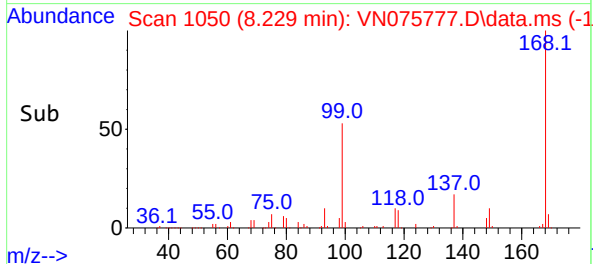
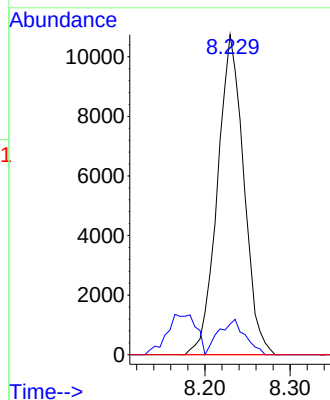
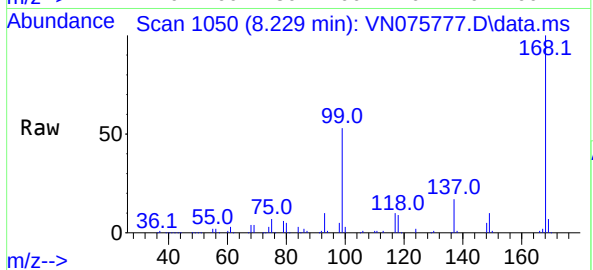




#36
1,1-Dichloropropene
Concen: 5.206 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

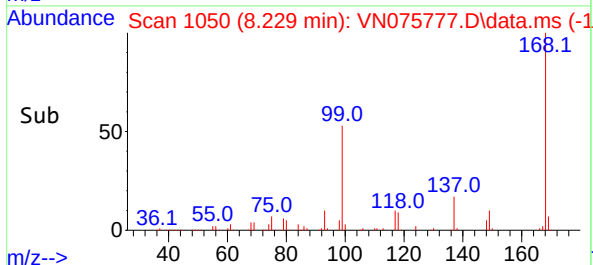
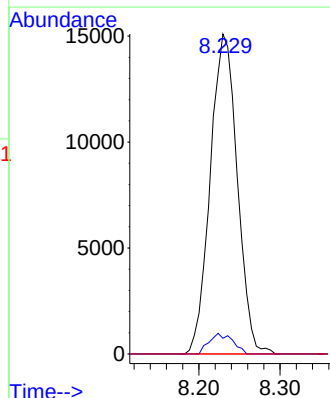
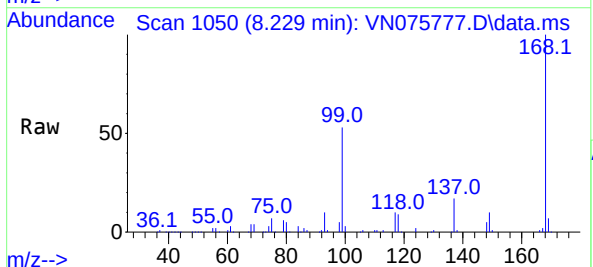
Instrument :
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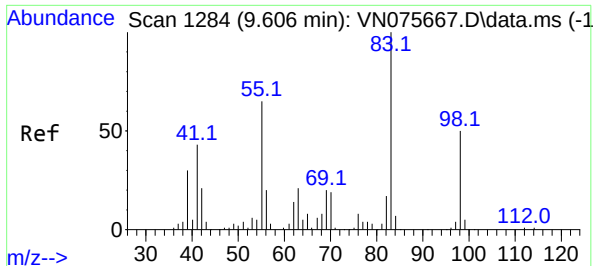
Tgt Ion: 75 Resp: 23072
Ion Ratio Lower Upper
75 100
110 11.0 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 7.046 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion: 117 Resp: 34954
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.460 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN075777.D

Acq: 14 Dec 2022 18:03

Instrument :

MSVOA_N

ClientSampleId :

MW-6RDL

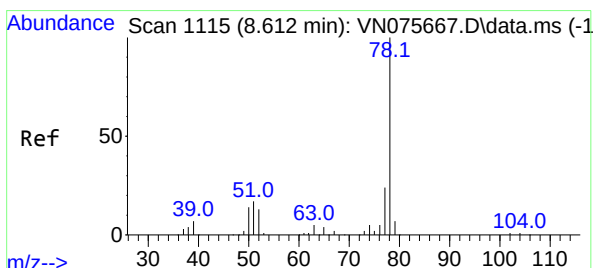
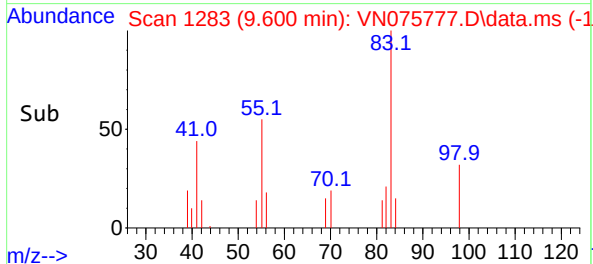
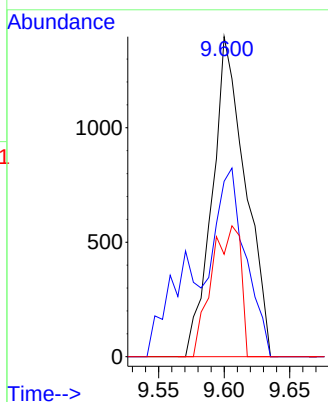
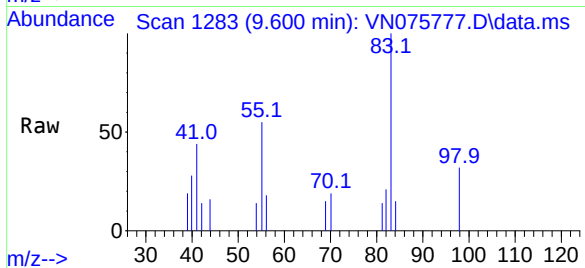
Tgt Ion: 83 Resp: 2461

Ion Ratio Lower Upper

83 100

55 54.8 51.4 77.0

98 32.0 39.8 59.8#



#40

Benzene

Concen: 0.218 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN075777.D

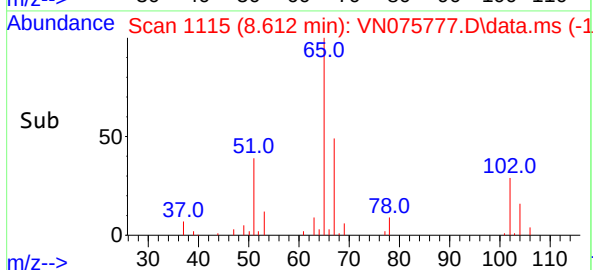
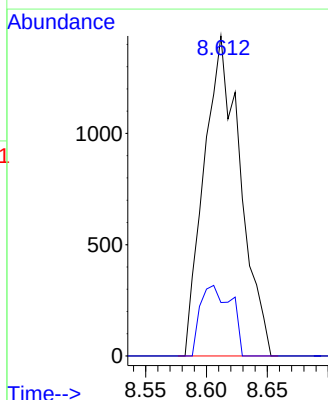
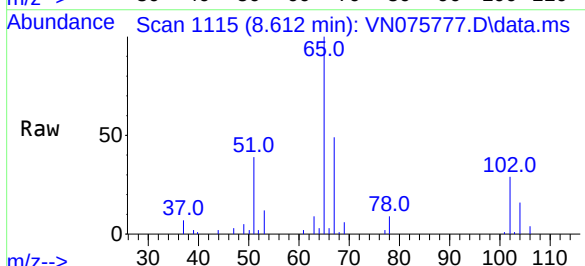
Acq: 14 Dec 2022 18:03

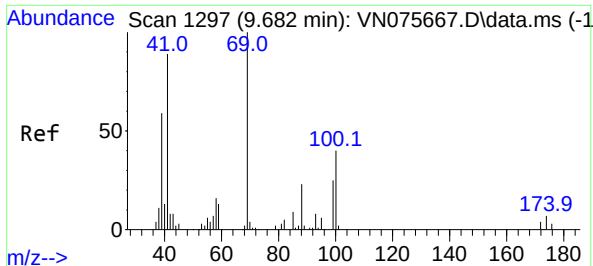
Tgt Ion: 78 Resp: 2982

Ion Ratio Lower Upper

78 100

77 16.7 18.5 27.7#

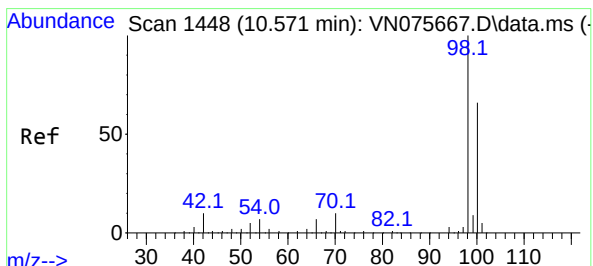
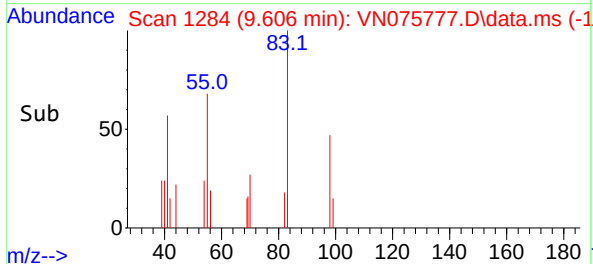
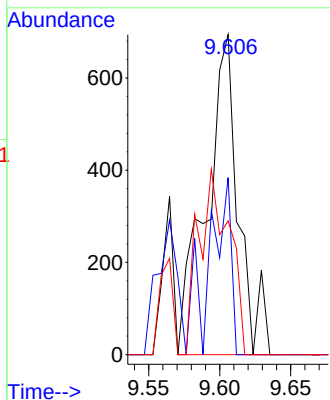
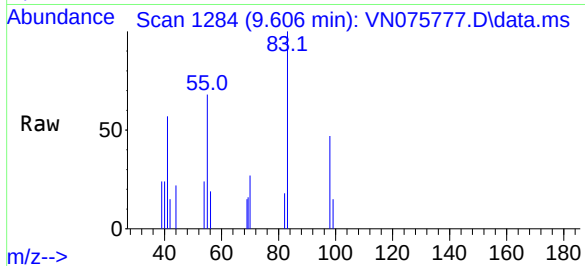




#48
Methyl methacrylate
Concen: 0.415 ug/l
RT: 9.606 min Scan# 11
Delta R.T. -0.077 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

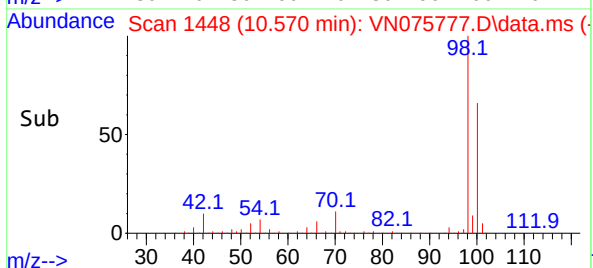
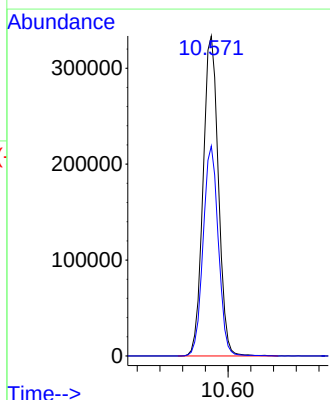
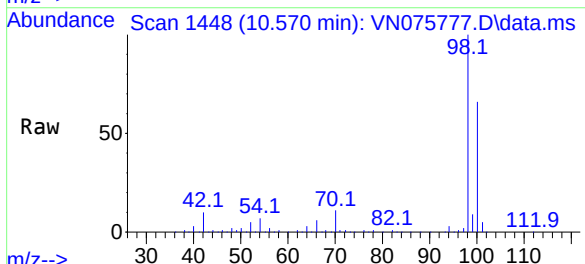
Instrument :
MSVOA_N
ClientSampleId :
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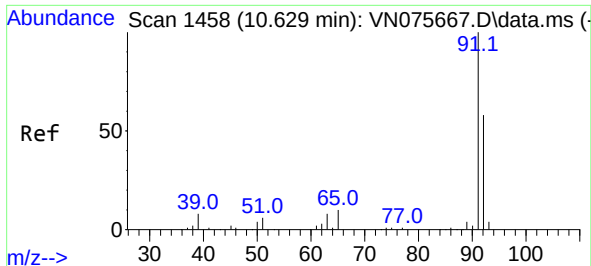
Tgt Ion: 41 Resp: 1097
Ion Ratio Lower Upper
41 100
69 37.3 81.9 122.9#
39 54.5 51.6 77.4



#50
Toluene-d8
Concen: 49.865 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion: 98 Resp: 622062
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1





#52

Toluene

Concen: 11.485 ug/l

RT: 10.635 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VN075777.D

Acq: 14 Dec 2022 18:03

Instrument :

MSVOA_N

ClientSampleId :

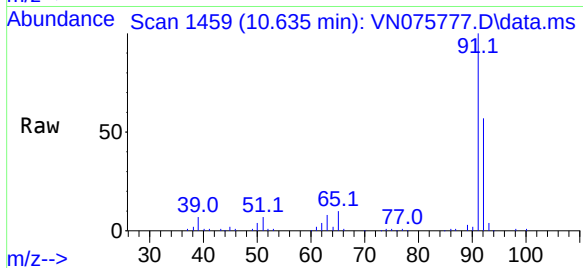
MW-6RDL

Tgt Ion: 92 Resp: 102285

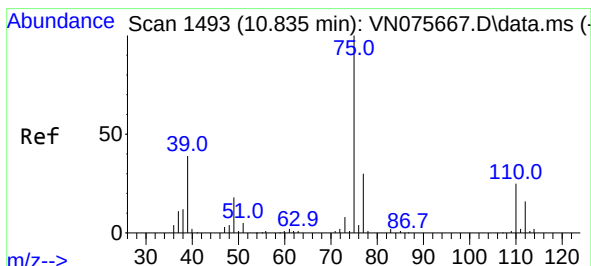
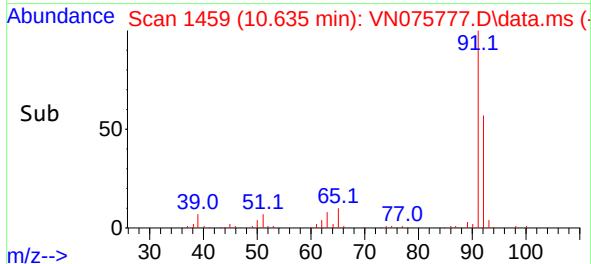
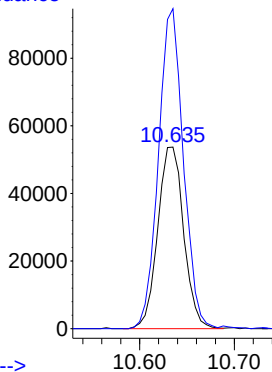
Ion Ratio Lower Upper

92 100

91 169.3 137.3 205.9



Abundance



#53

t-1,3-Dichloropropene

Concen: 0.253 ug/l

RT: 10.635 min Scan# 1459

Delta R.T. -0.200 min

Lab File: VN075777.D

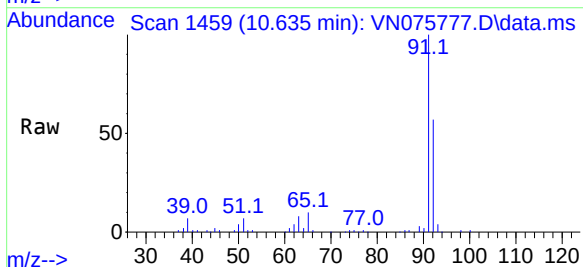
Acq: 14 Dec 2022 18:03

Tgt Ion: 75 Resp: 1201

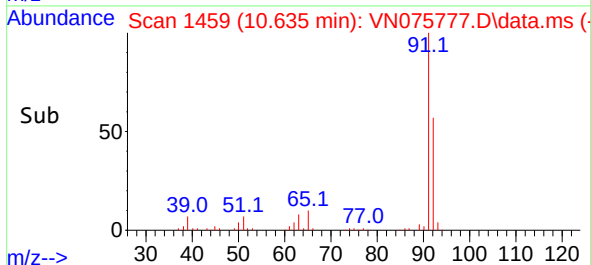
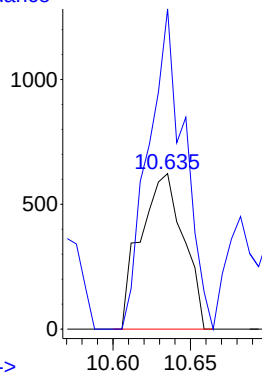
Ion Ratio Lower Upper

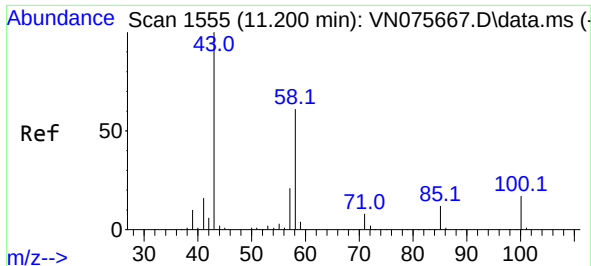
75 100

77 205.9 24.9 37.3#



Abundance

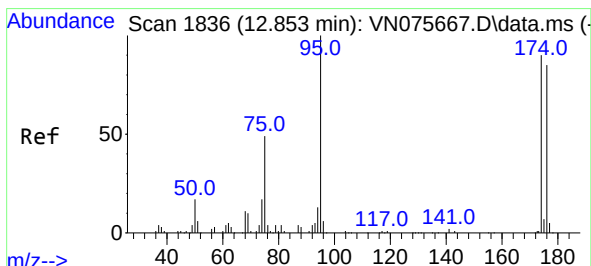
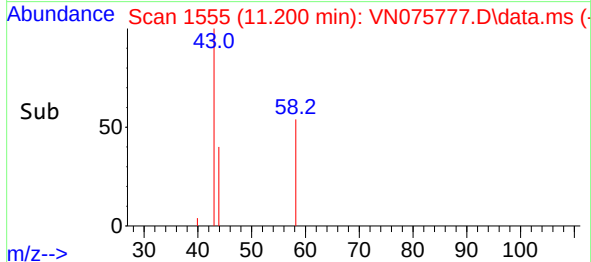
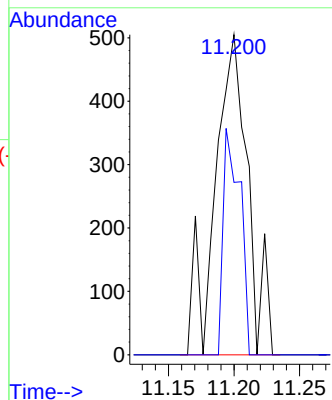
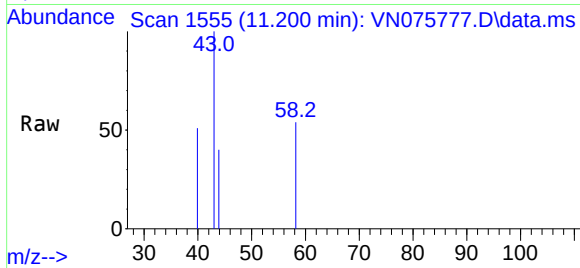




#59
2-Hexanone
Concen: 0.342 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

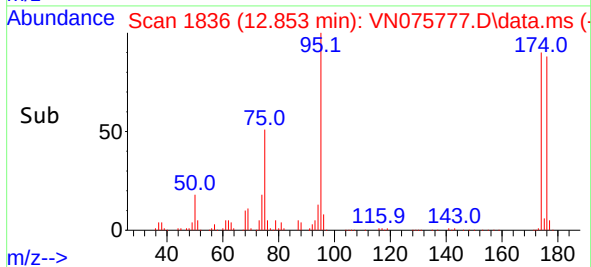
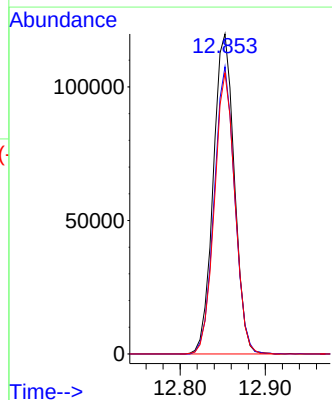
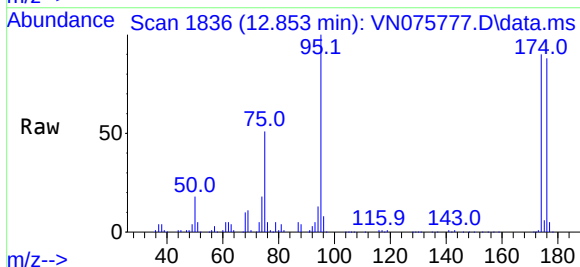
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

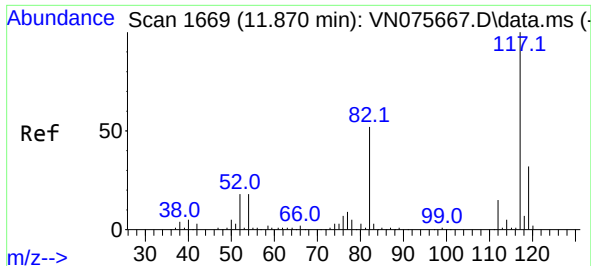
Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
58 35.9 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 49.930 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion: 95 Resp: 206300
Ion Ratio Lower Upper
95 100
174 87.3 0.0 171.6
176 85.3 0.0 169.2

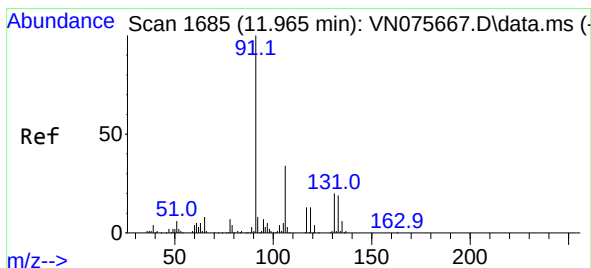
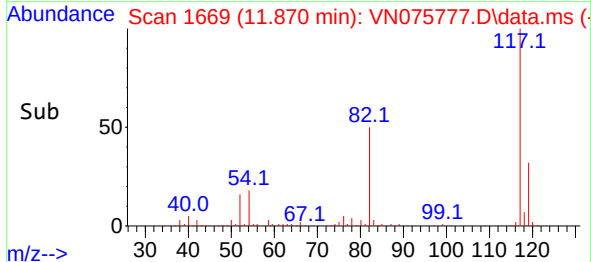
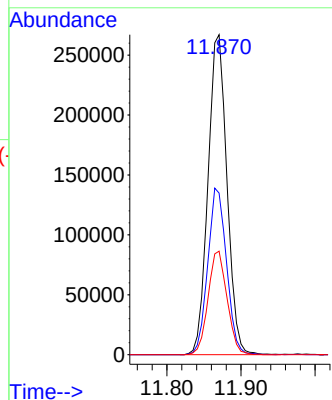
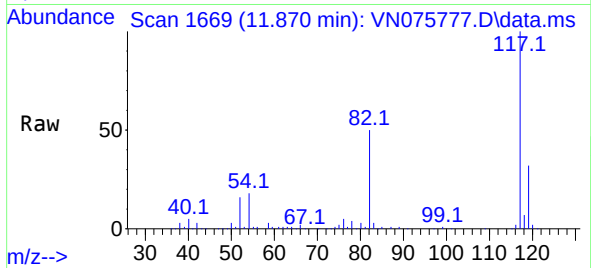




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

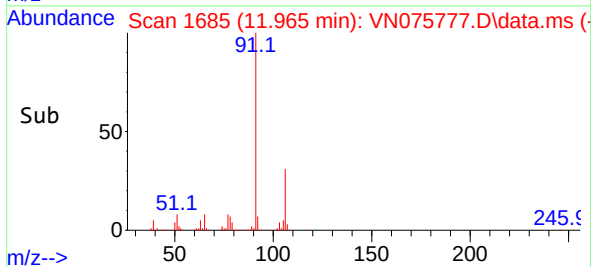
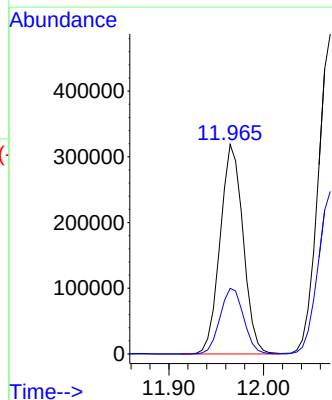
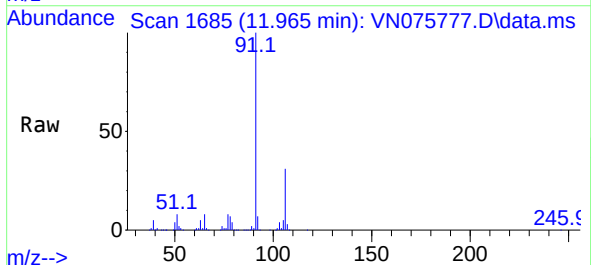
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

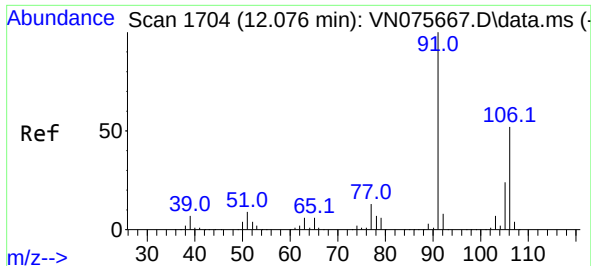
Tgt Ion:117 Resp: 474504
Ion Ratio Lower Upper
117 100
82 50.5 41.3 61.9
119 32.4 24.6 37.0



#67
Ethyl Benzene
Concen: 32.732 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion: 91 Resp: 538025
Ion Ratio Lower Upper
91 100
106 31.3 25.7 38.5

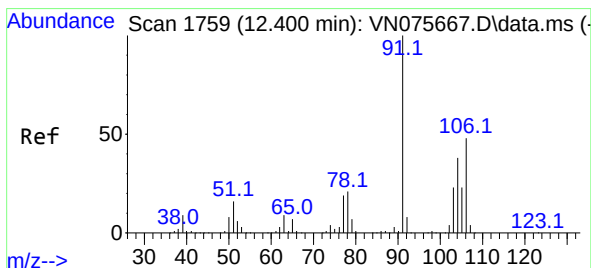
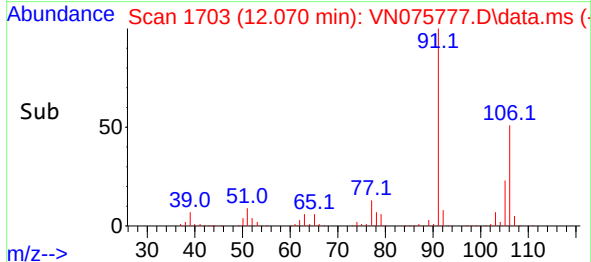
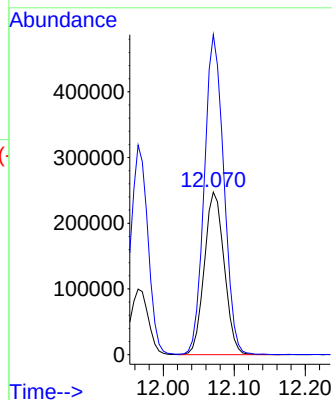
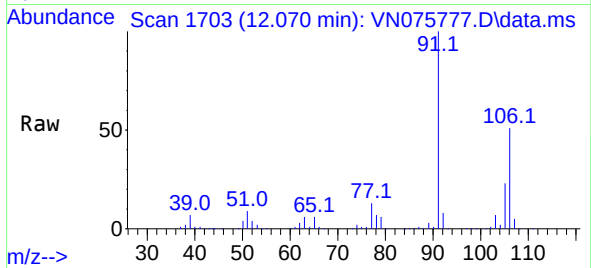




#68
m/p-Xylenes
Concen: 73.997 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

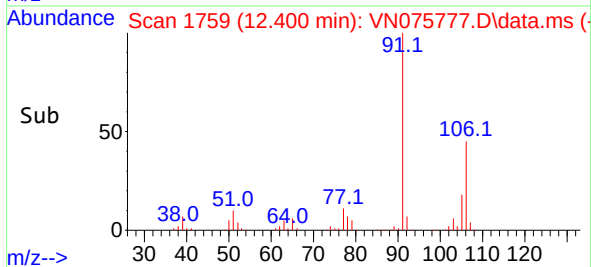
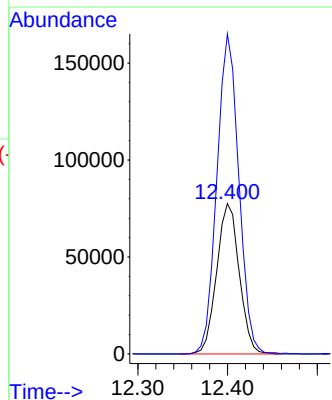
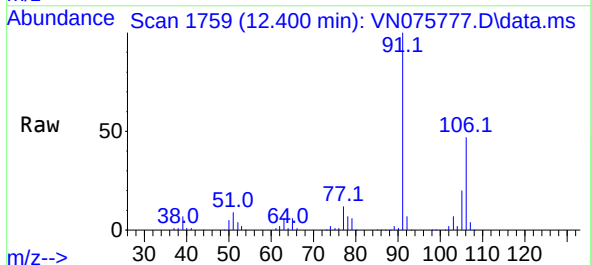
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

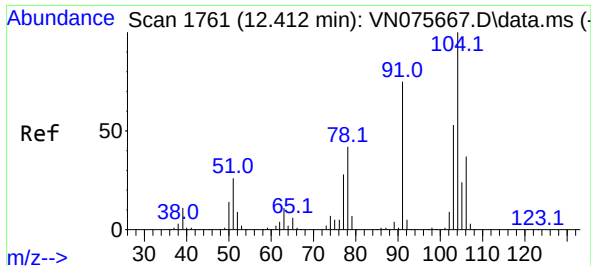
Tgt Ion:106 Resp: 481410
Ion Ratio Lower Upper
106 100
91 193.2 156.6 235.0



#69
o-Xylene
Concen: 21.011 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion:106 Resp: 135270
Ion Ratio Lower Upper
106 100
91 207.1 103.8 311.6

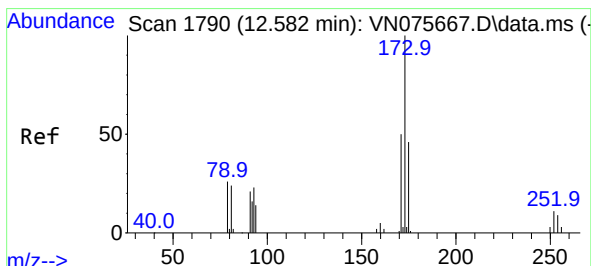
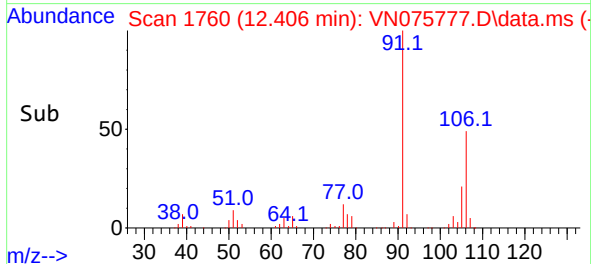
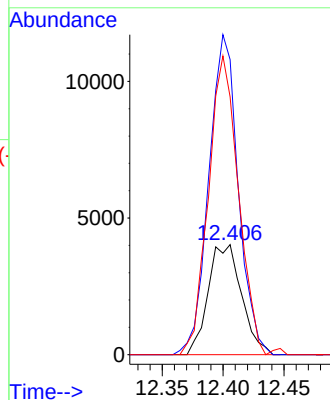
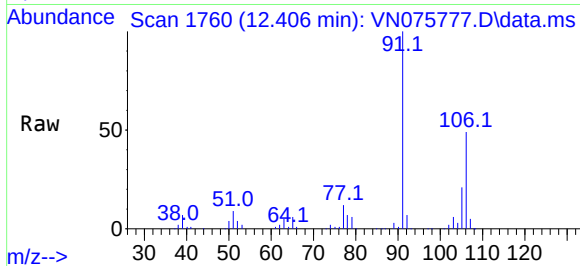




#70
Styrene
Concen: 0.752 ug/l
RT: 12.406 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

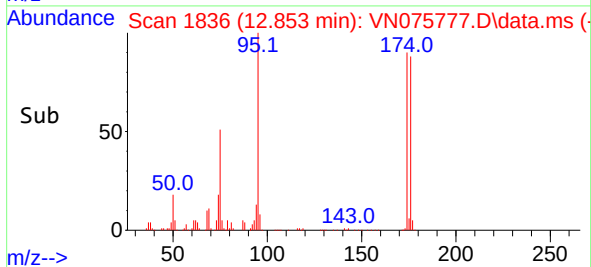
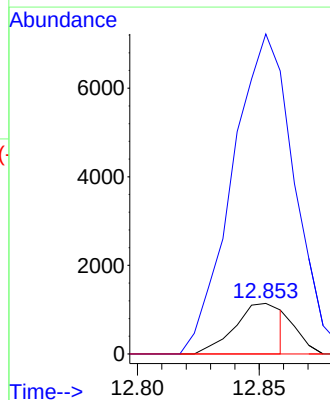
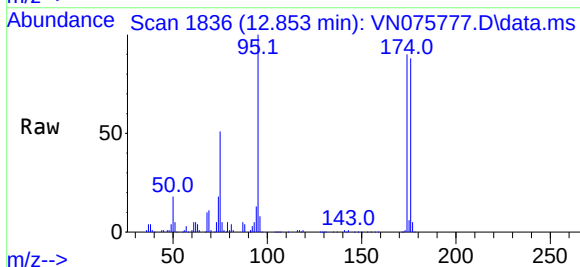
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

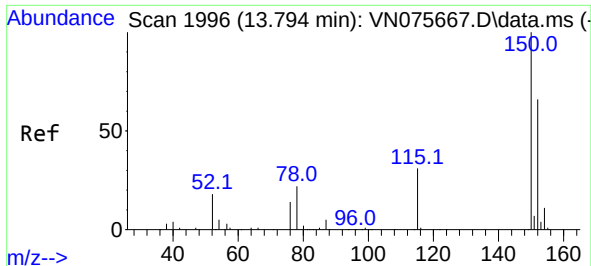
Tgt Ion:104 Resp: 7693
Ion Ratio Lower Upper
104 100
78 256.2 37.5 56.3#
103 244.3 43.5 65.3#



#71
Bromoform
Concen: 0.590 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion:173 Resp: 1550
Ion Ratio Lower Upper
173 100
175 669.5 24.3 72.8#
254 0.0 0.0 0.0

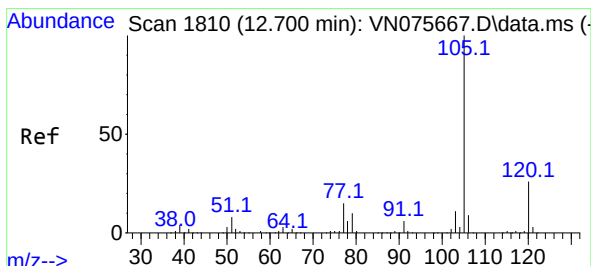
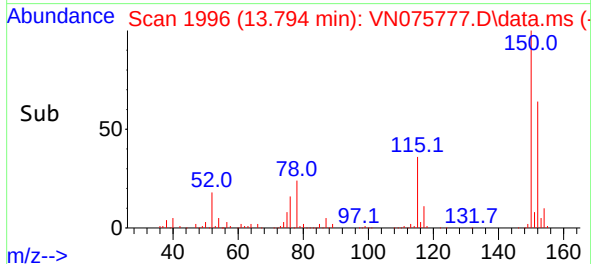
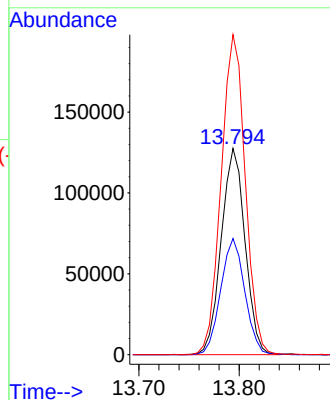
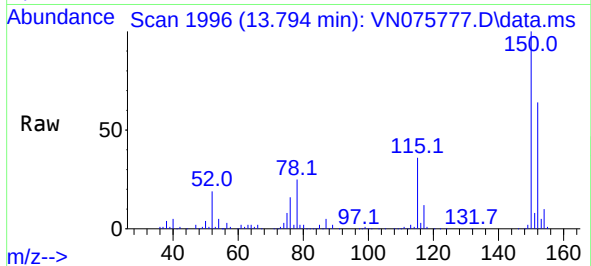




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

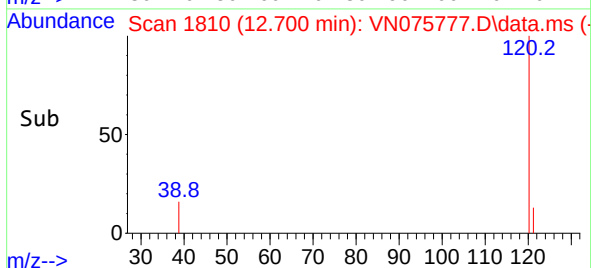
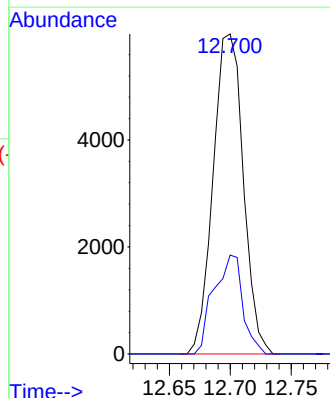
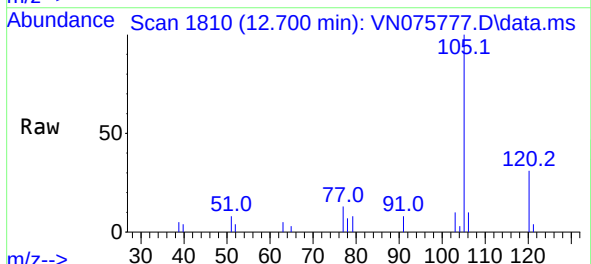
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

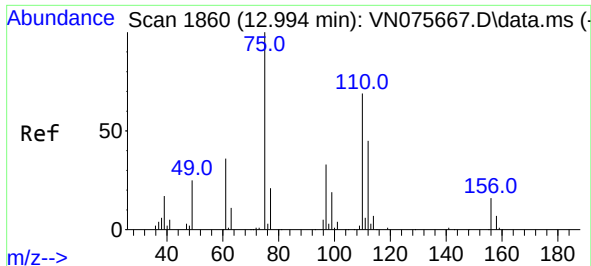
Tgt Ion:152 Resp: 210396
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.4
150 157.2 0.0 347.0



#73
Isopropylbenzene
Concen: 0.678 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion:105 Resp: 10314
Ion Ratio Lower Upper
105 100
120 29.7 13.4 40.2

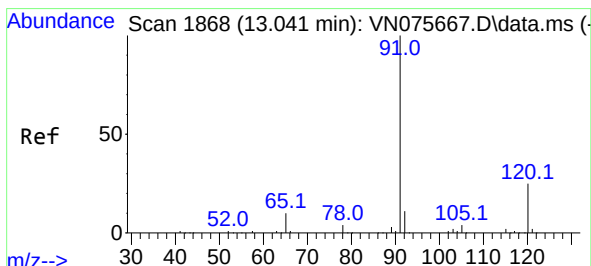
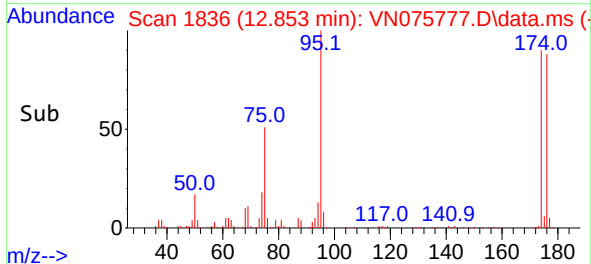
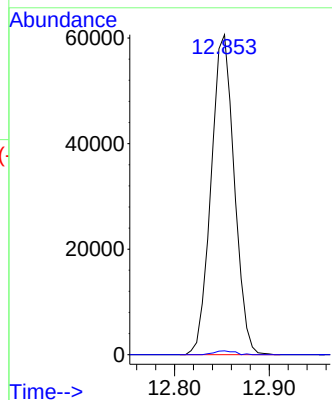
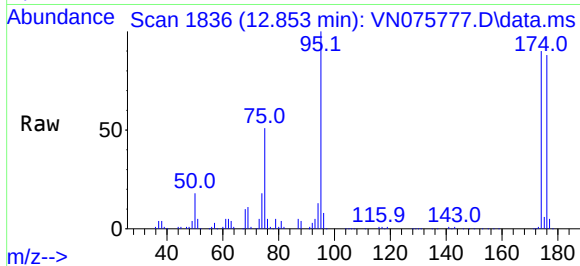




#76
1,2,3-Trichloropropane
Concen: 24.371 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

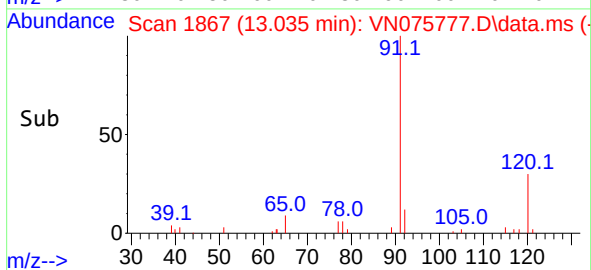
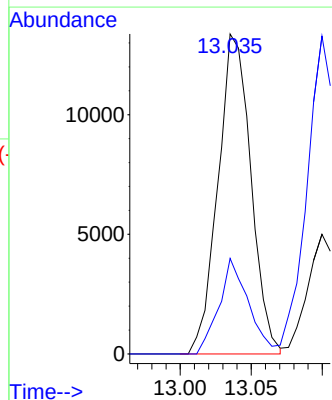
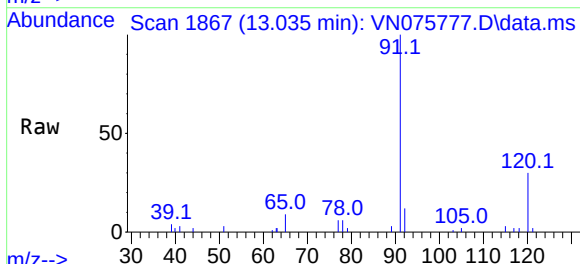
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

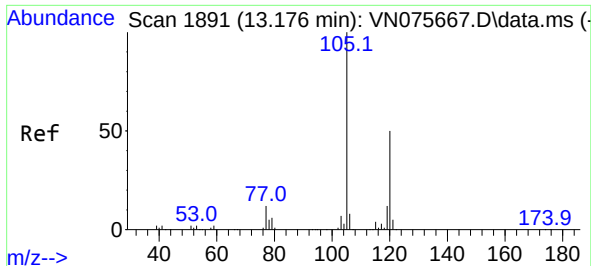
Tgt Ion: 75 Resp: 103359
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#78
n-propylbenzene
Concen: 1.284 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion: 91 Resp: 21538
Ion Ratio Lower Upper
91 100
120 26.6 12.0 36.1

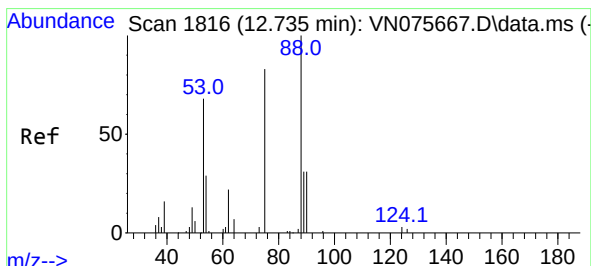
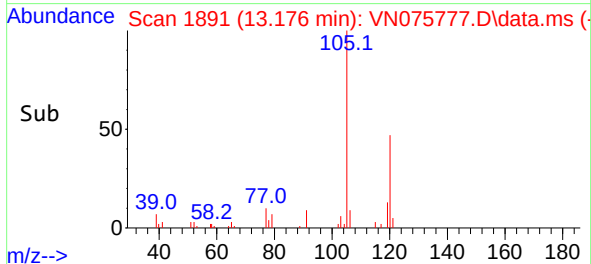
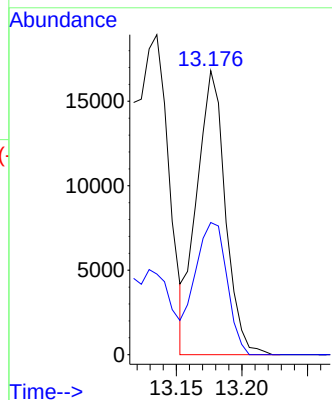
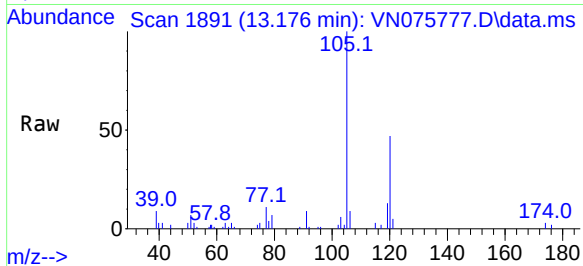




#80
1,3,5-Trimethylbenzene
Concen: 2.013 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

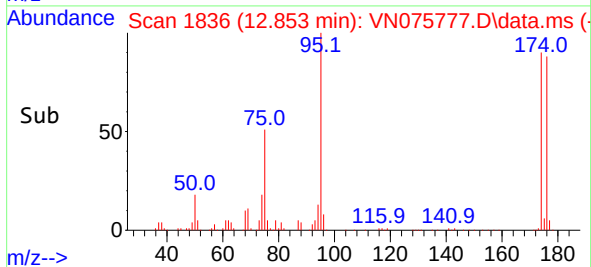
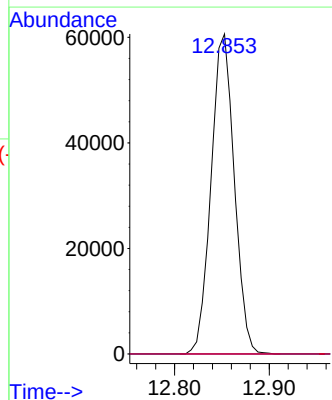
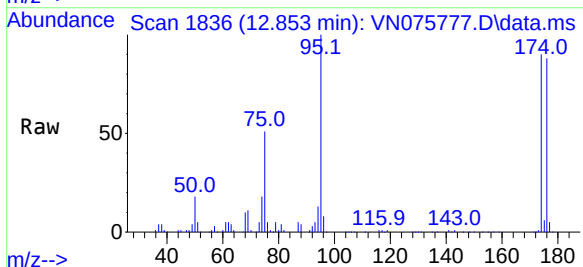
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

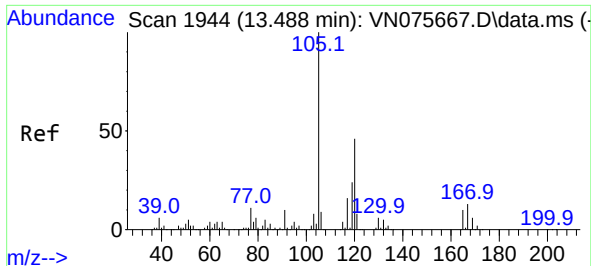
Tgt Ion:105 Resp: 25618
Ion Ratio Lower Upper
105 100
120 51.8 24.7 74.1



#81
trans-1,4-Dichloro-2-butene
Concen: 87.723 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion: 75 Resp: 103359
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

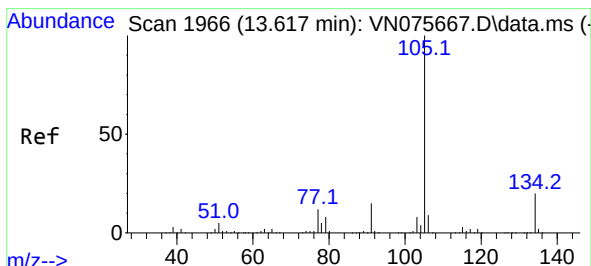
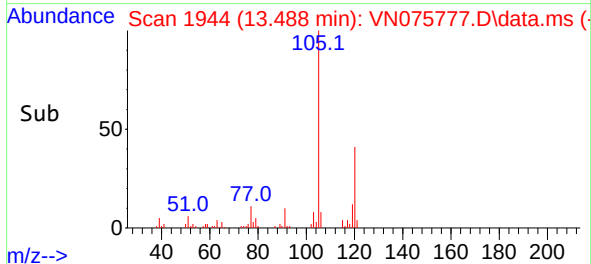
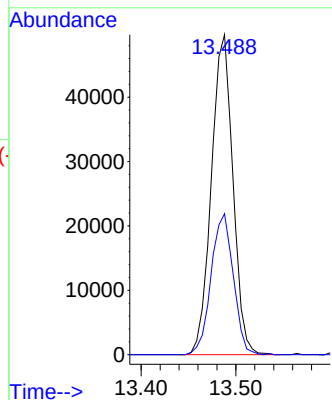
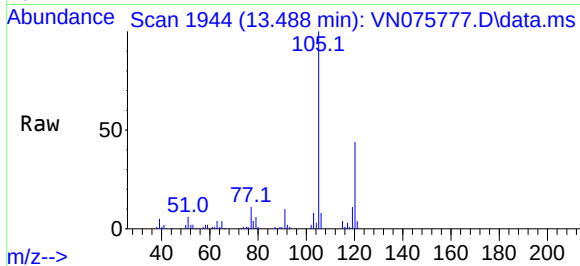




#84
1,2,4-Trimethylbenzene
Concen: 6.221 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

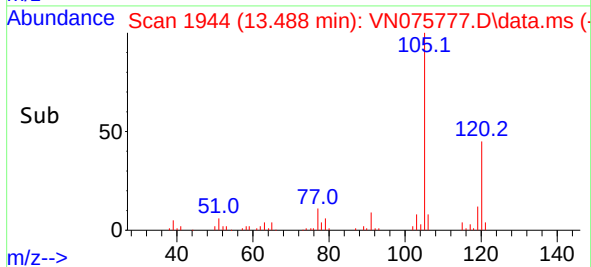
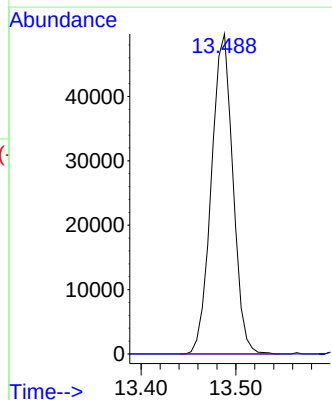
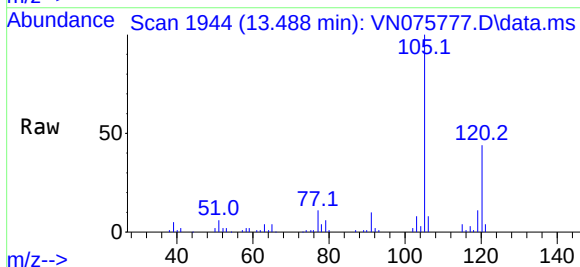
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

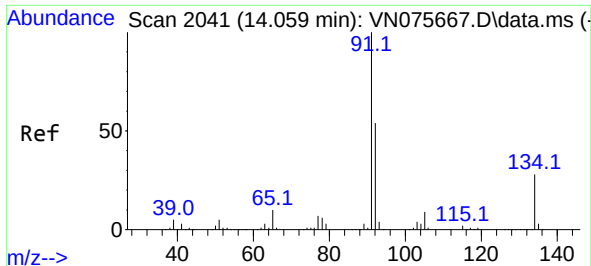
Tgt Ion:105 Resp: 78535
Ion Ratio Lower Upper
105 100
120 45.4 23.3 69.8



#85
sec-Butylbenzene
Concen: 5.072 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. -0.130 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion:105 Resp: 78535
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

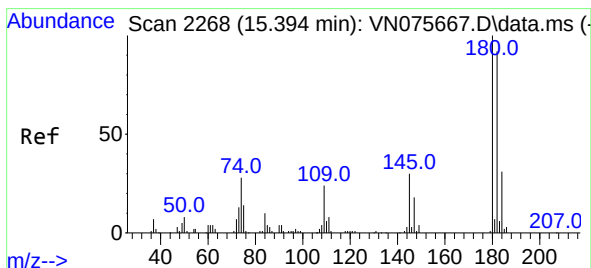
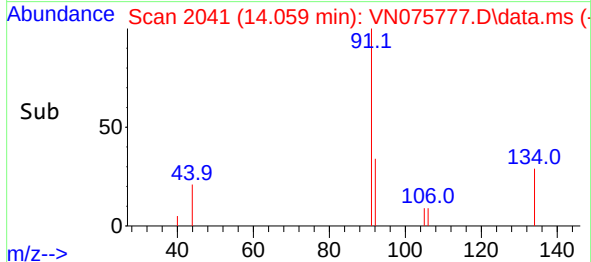
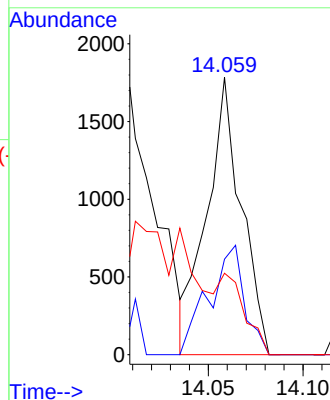
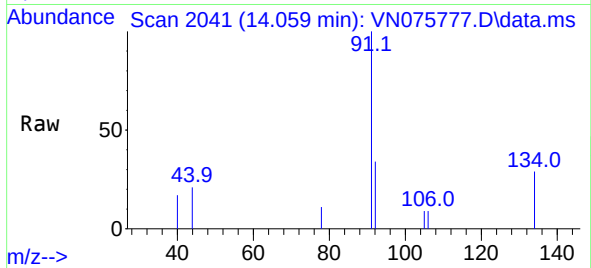




#89
n-Butylbenzene
Concen: 0.217 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

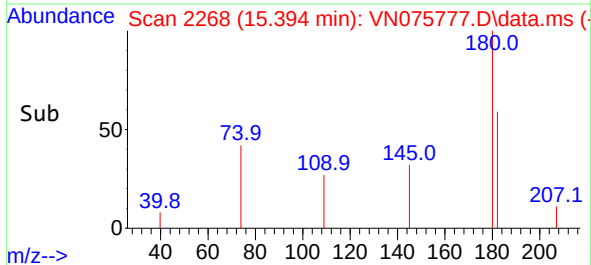
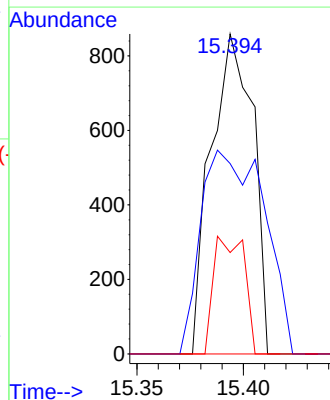
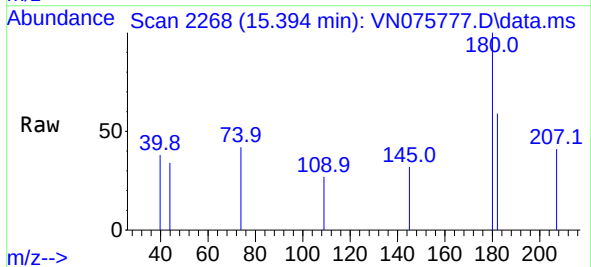
Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

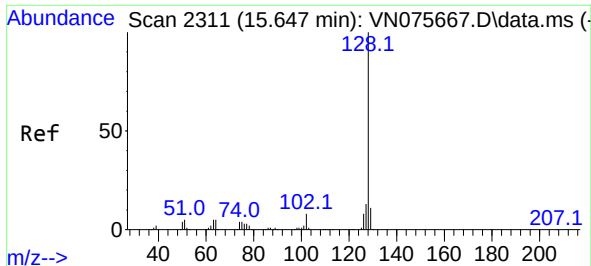
Tgt Ion: 91 Resp: 2261
Ion Ratio Lower Upper
91 100
92 40.7 26.4 79.2
134 0.0 13.4 40.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.341 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion: 180 Resp: 1182
Ion Ratio Lower Upper
180 100
182 96.2 47.5 142.5
145 26.7 15.3 45.8

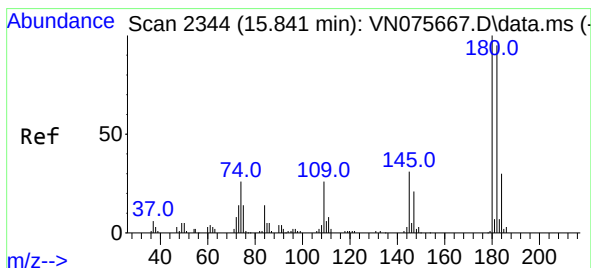
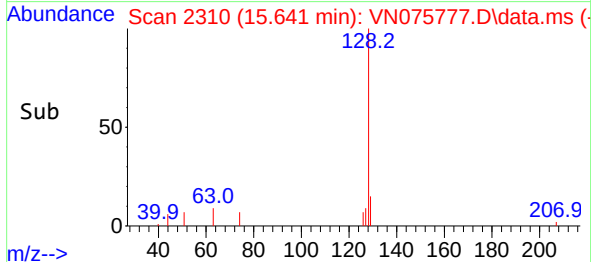
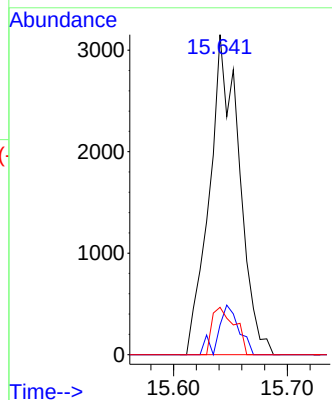
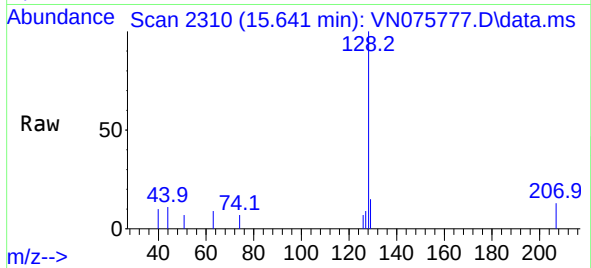




#95
Naphthalene
Concen: 2.659 ug/l
RT: 15.641 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Instrument :
MSVOA_N
ClientSampleId :
MW-6RDL

Tgt Ion:	128	Resp:	5763
Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.4	15.6
129	11.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.302 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN075777.D
Acq: 14 Dec 2022 18:03

Tgt Ion:	180	Resp:	977
Ion	Ratio	Lower	Upper
180	100		
182	132.3	47.0	141.0
145	30.7	16.0	47.9

