

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079955.D
 Acq On : 07 Nov 2023 08:53
 Operator : JC\MD
 Sample : 05107-26
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1073

Quant Time: Nov 07 12:33:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

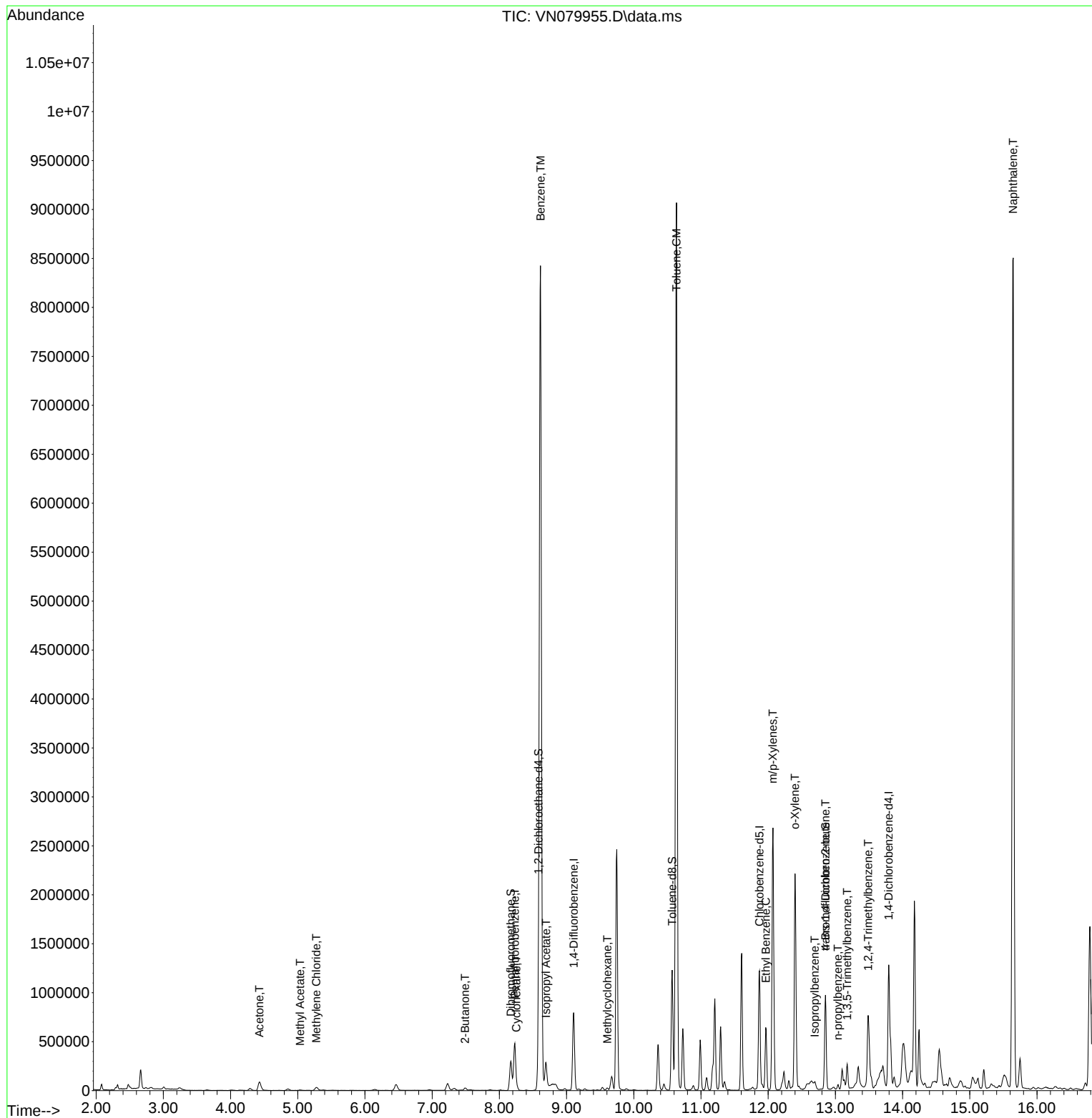
Internal Standards						
1) Pentafluorobenzene	8.230	168	333754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	662163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	690660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	324596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	261130	51.354	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.700%	
35) Dibromofluoromethane	8.171	113	213592	45.576	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.160%	
50) Toluene-d8	10.571	98	808593	46.867	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.740%	
62) 4-Bromofluorobenzene	12.853	95	328004	57.324	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.640%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	165335	92.567	ug/l	95
18) Methyl Acetate	5.036	43	11708	1.370	ug/l #	79
20) Methylene Chloride	5.277	84	24169	5.363	ug/l #	80
25) 2-Butanone	7.489	43	39453	15.084	ug/l #	77
31) Cyclohexane	8.253	56	25282	3.763	ug/l #	73
39) Methylcyclohexane	9.606	83	8102	1.287	ug/l	97
40) Benzene	8.612	78	8448866	421.553	ug/l	100
43) Isopropyl Acetate	8.694	43	332507	30.895	ug/l #	77
52) Toluene	10.635	92	3843128	323.445	ug/l	99
67) Ethyl Benzene	11.965	91	447072	17.128	ug/l	97
68) m/p-Xylenes	12.071	106	803211	82.606	ug/l	92
69) o-Xylene	12.400	106	555532	59.332	ug/l	91
73) Isopropylbenzene	12.694	105	25114	1.019	ug/l	100
78) n-propylbenzene	13.035	91	33840	1.200	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	137444	7.171	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.853	75	177673	63.435	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.488	105	470654	24.959	ug/l	84
95) Naphthalene	15.647	128	7671465	449.175	ug/l	99

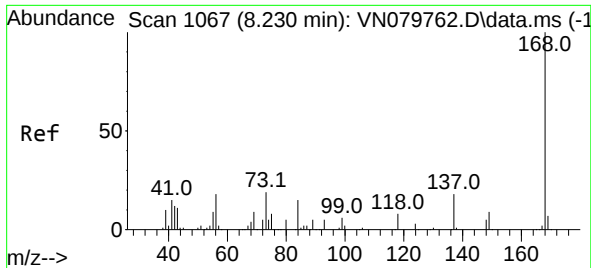
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

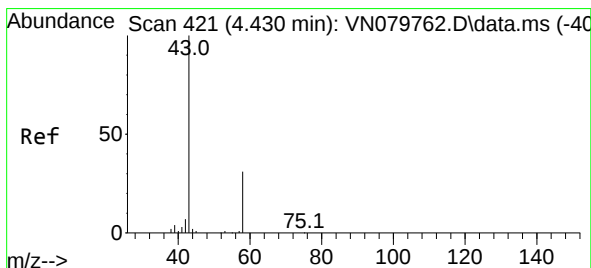
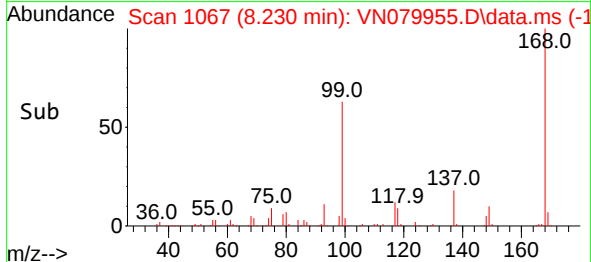
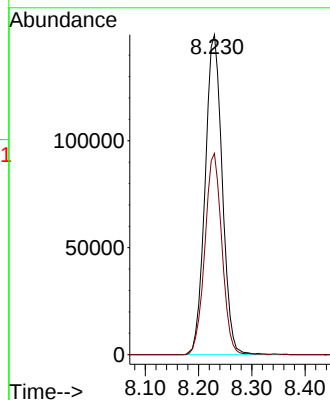
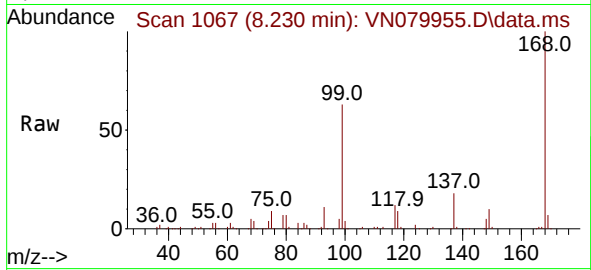




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

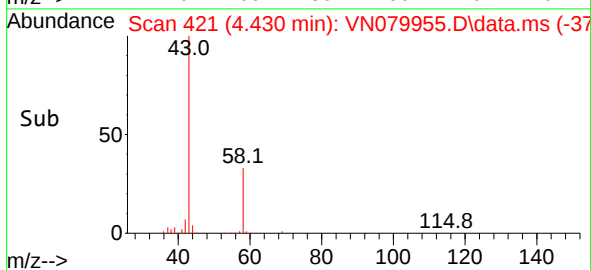
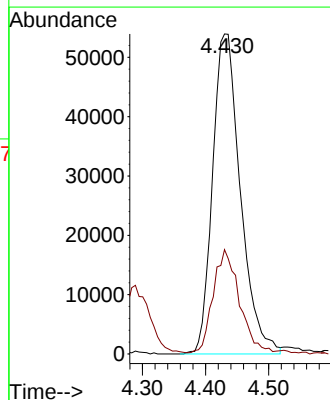
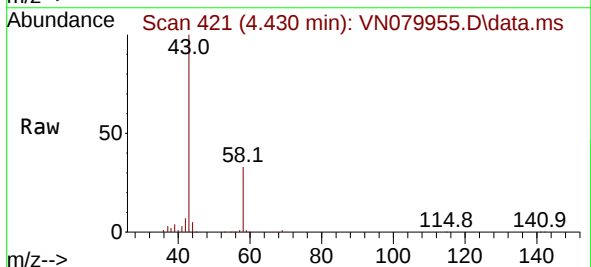
Instrument :
MSVOA_N
ClientSampleId :
1073

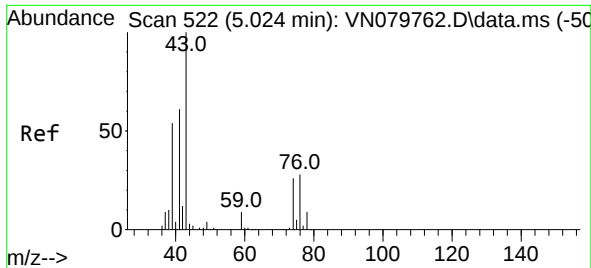
Tgt Ion:168 Resp: 333754
Ion Ratio Lower Upper
168 100
99 62.9 53.0 79.6



#16
Acetone
Concen: 92.567 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Tgt Ion: 43 Resp: 165335
Ion Ratio Lower Upper
43 100
58 31.9 28.0 42.0

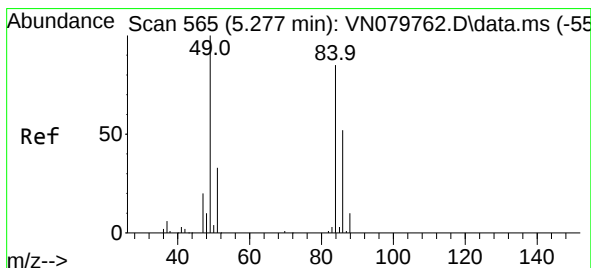
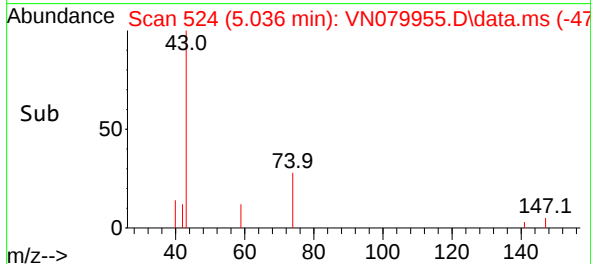
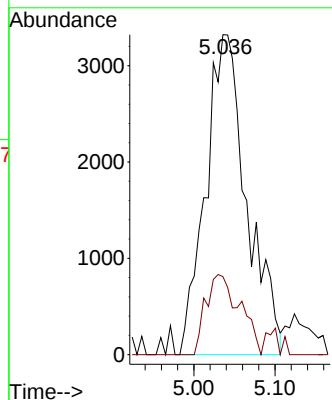
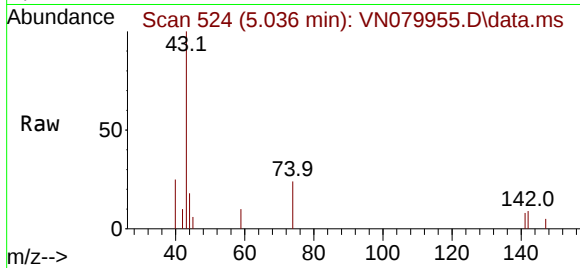




#18
Methyl Acetate
Concen: 1.370 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

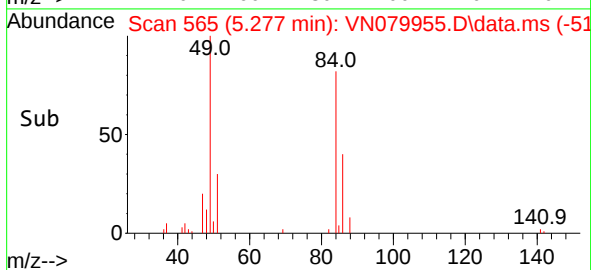
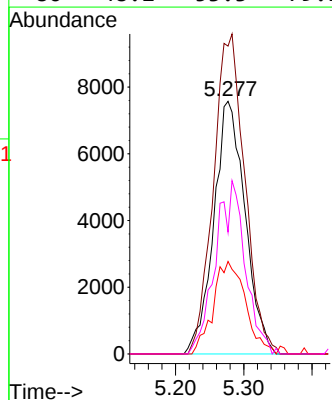
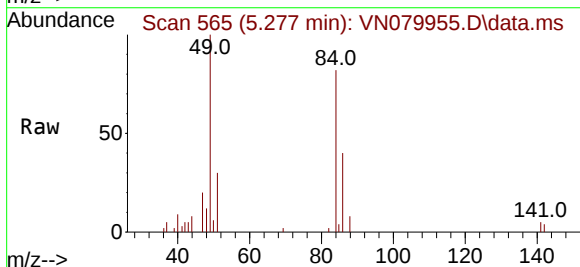
Instrument :
MSVOA_N
ClientSampleId :
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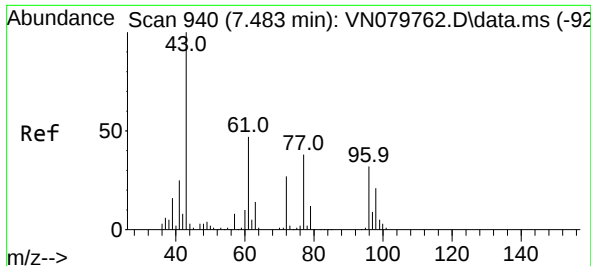
Tgt Ion: 43 Resp: 11708
Ion Ratio Lower Upper
43 100
74 20.8 26.2 39.4#



#20
Methylene Chloride
Concen: 5.363 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Tgt Ion: 84 Resp: 24169
Ion Ratio Lower Upper
84 100
49 121.8 79.7 119.5#
51 36.6 25.2 37.8
86 48.2 53.3 79.9#

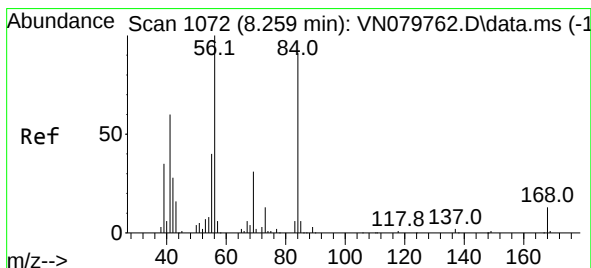
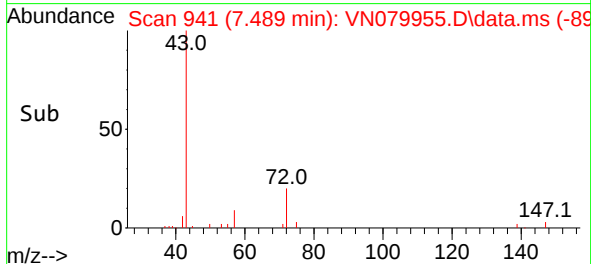
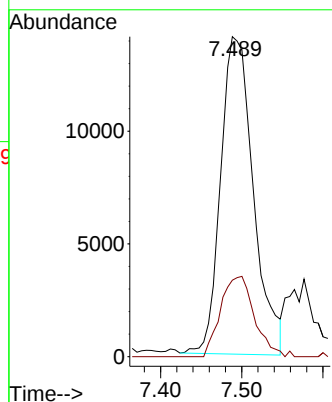
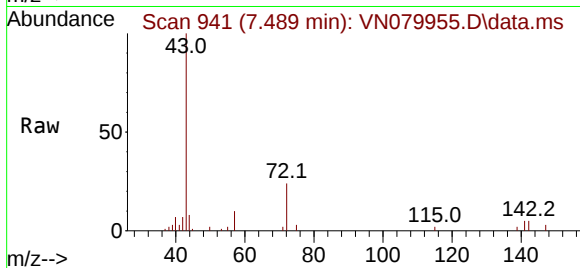




#25
2-Butanone
Concen: 15.084 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

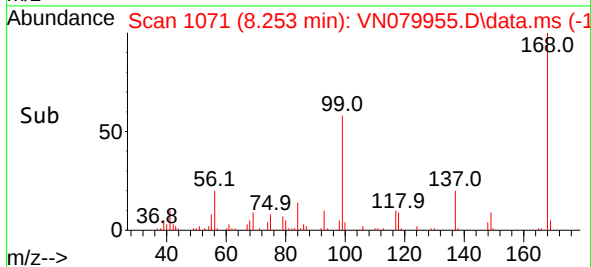
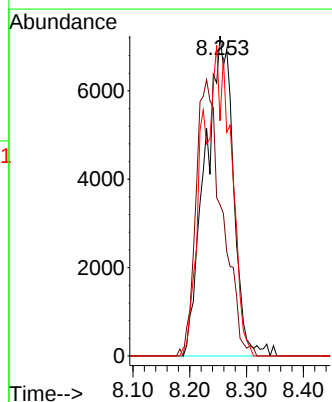
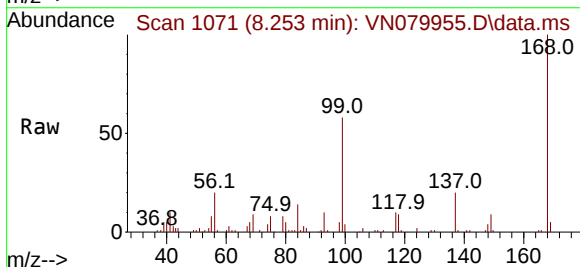
Instrument :
MSVOA_N
ClientSampleId :
1073

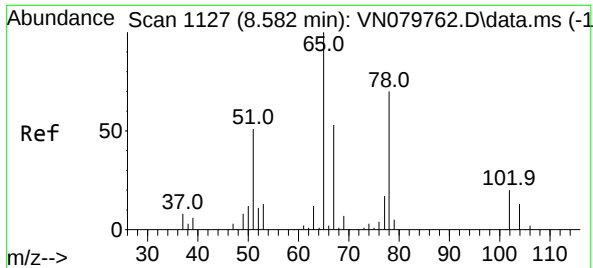
Tgt Ion: 43 Resp: 39453
Ion Ratio Lower Upper
43 100
72 24.2 30.2 45.2#



#31
Cyclohexane
Concen: 3.763 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.006 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Tgt Ion: 56 Resp: 25282
Ion Ratio Lower Upper
56 100
69 47.2 26.8 40.2#
84 73.5 81.8 122.6#

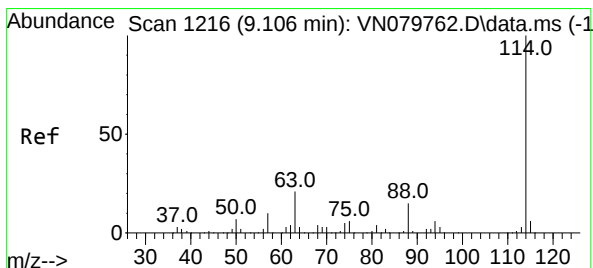
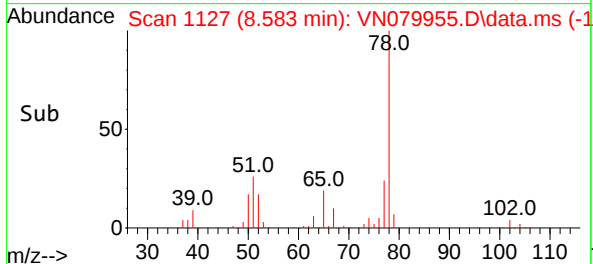
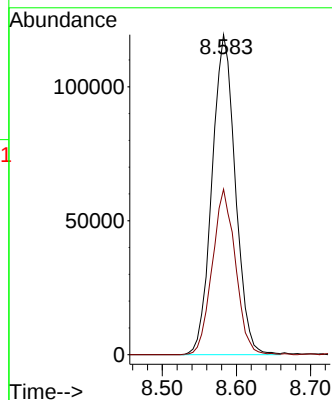
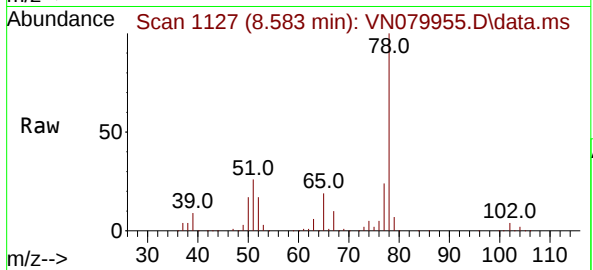




#33
1,2-Dichloroethane-d4
Concen: 51.354 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

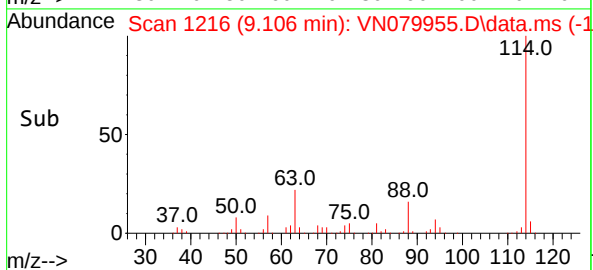
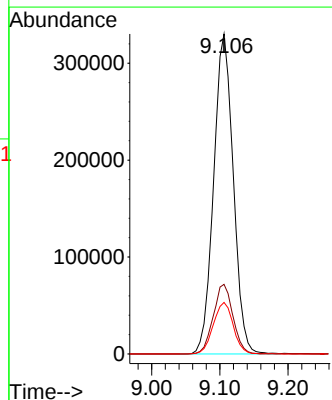
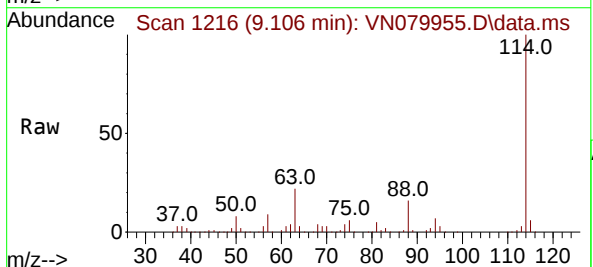
Instrument :
MSVOA_N
ClientSampleId :
1073

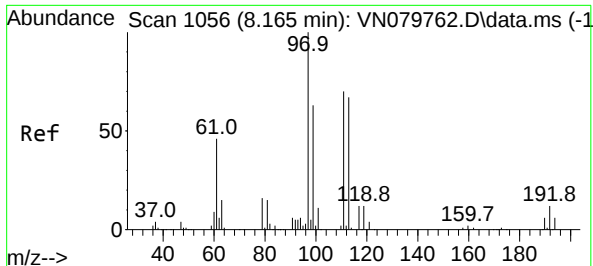
Tgt Ion: 65 Resp: 261130
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Tgt Ion: 114 Resp: 662163
Ion Ratio Lower Upper
114 100
63 21.8 0.0 36.4
88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 45.576 ug/l

RT: 8.171 min Scan# 110

Delta R.T. 0.000 min

Lab File: VN079955.D

Acq: 07 Nov 2023 08:53

Instrument :

MSVOA_N

ClientSampleId :

1073

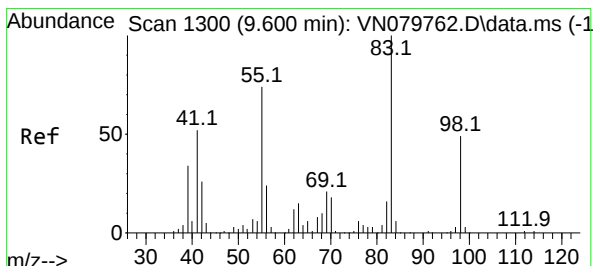
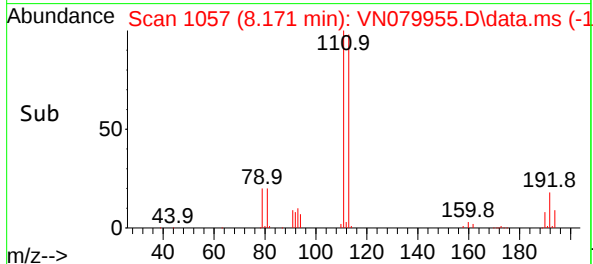
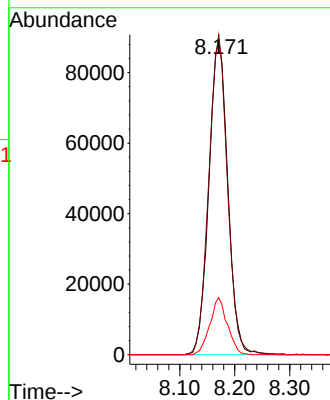
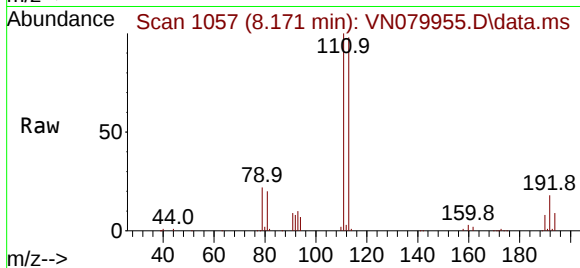
Tgt Ion:113 Resp: 213592

Ion Ratio Lower Upper

113 100

111 100.1 82.6 123.8

192 16.7 12.7 19.1



#39

Methylcyclohexane

Concen: 1.287 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN079955.D

Acq: 07 Nov 2023 08:53

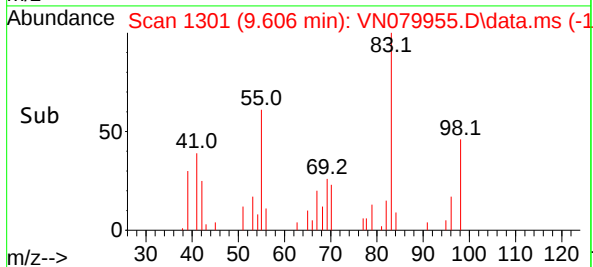
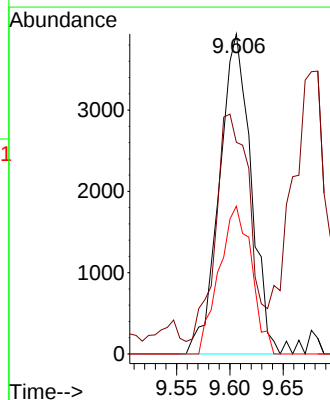
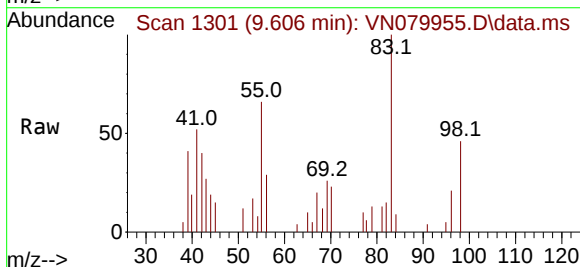
Tgt Ion: 83 Resp: 8102

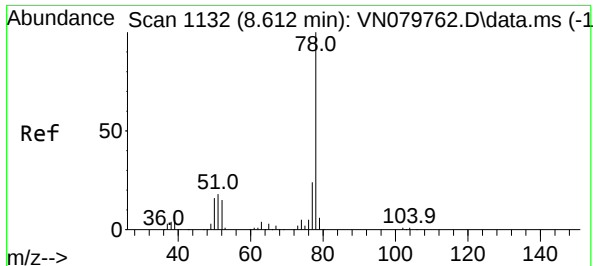
Ion Ratio Lower Upper

83 100

55 61.2 49.1 73.7

98 46.2 40.6 61.0

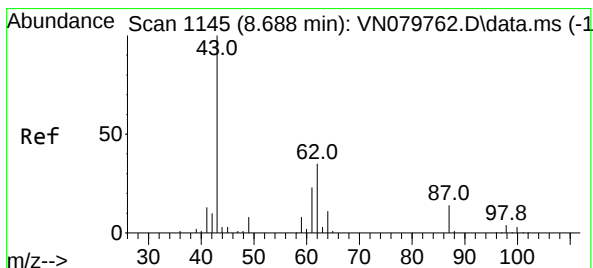
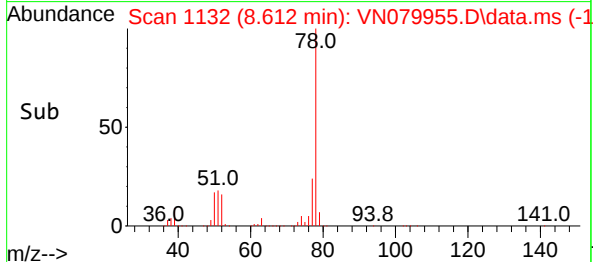
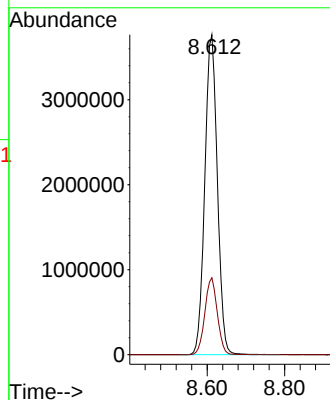
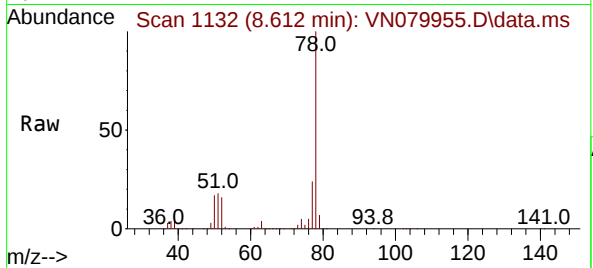




#40
Benzene
Concen: 421.553 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

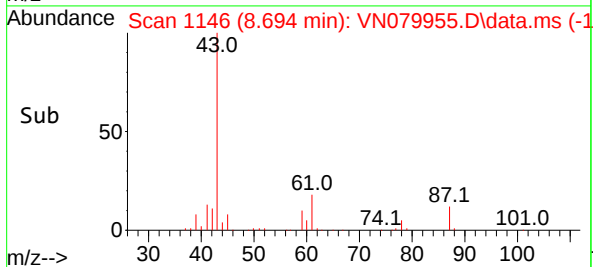
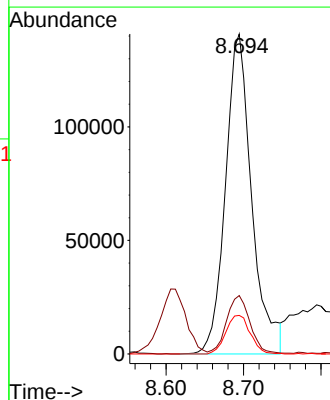
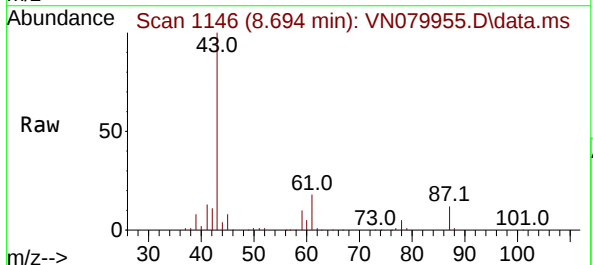
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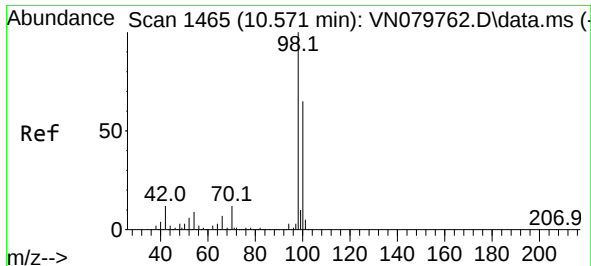
Tgt Ion: 78 Resp: 8448866
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6



#43
Isopropyl Acetate
Concen: 30.895 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Tgt Ion: 43 Resp: 332507
Ion Ratio Lower Upper
43 100
61 15.9 24.7 37.1#
87 11.2 14.6 21.8#

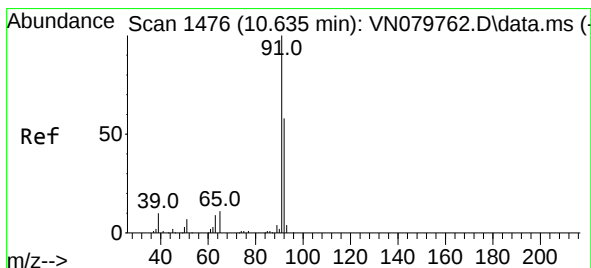
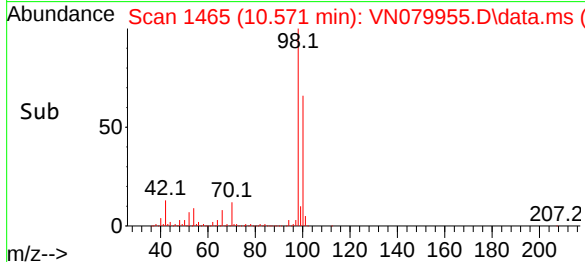
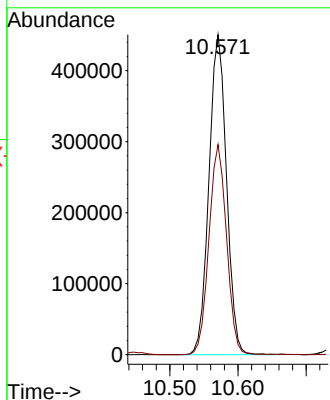
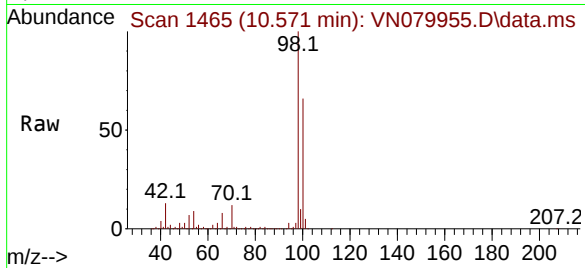




#50
Toluene-d8
Concen: 46.867 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

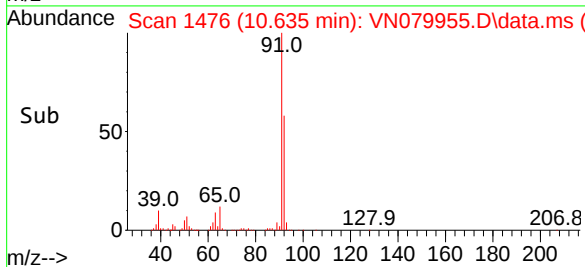
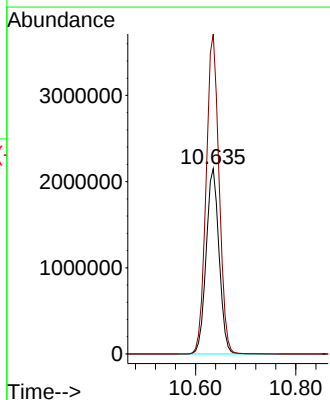
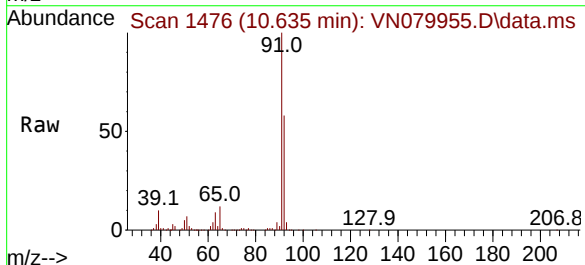
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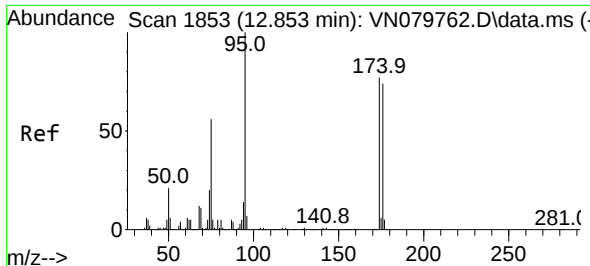
Tgt Ion: 98 Resp: 808593
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0



#52
Toluene
Concen: 323.445 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Tgt Ion: 92 Resp: 3843128
Ion Ratio Lower Upper
92 100
91 172.9 137.4 206.0

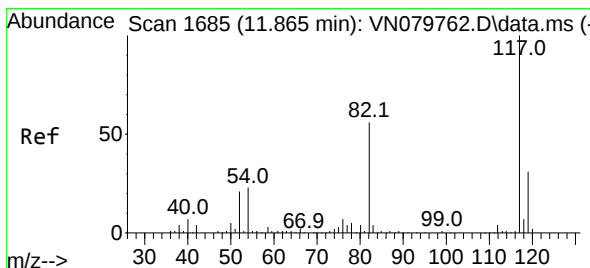
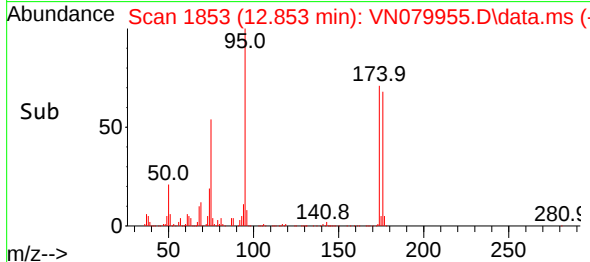
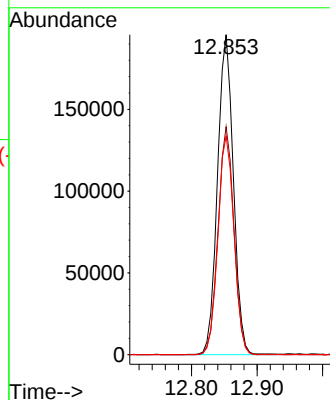
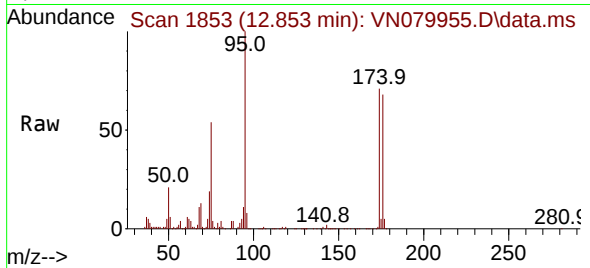




#62
4-Bromofluorobenzene
Concen: 57.324 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

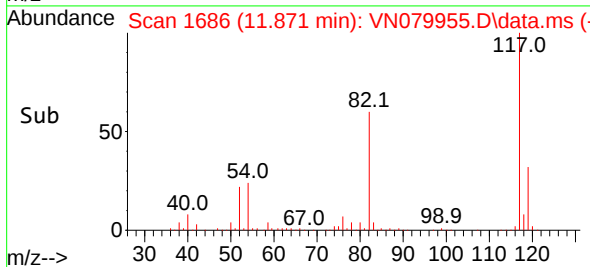
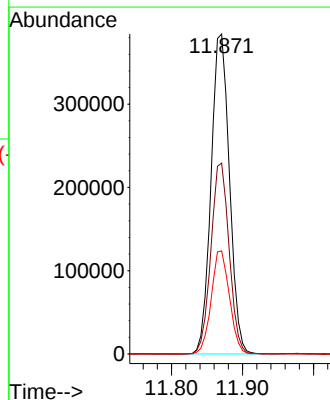
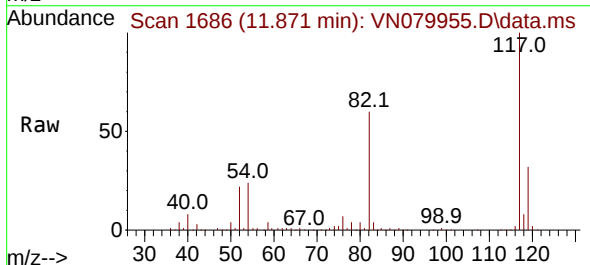
Instrument :
MSVOA_N
ClientSampleId :
1073

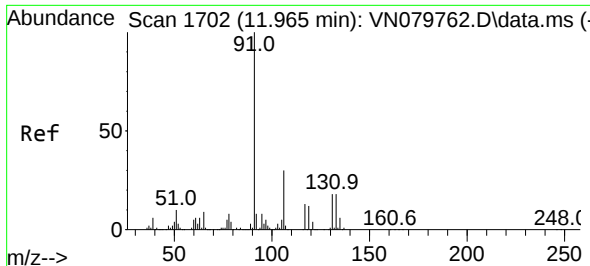
Tgt Ion: 95 Resp: 328004
Ion Ratio Lower Upper
95 100
174 71.0 0.0 143.8
176 68.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Tgt Ion: 117 Resp: 690660
Ion Ratio Lower Upper
117 100
82 59.7 44.0 66.0
119 32.2 25.6 38.4





#67

Ethyl Benzene

Concen: 17.128 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN079955.D

Acq: 07 Nov 2023 08:53

Instrument :

MSVOA_N

ClientSampleId :

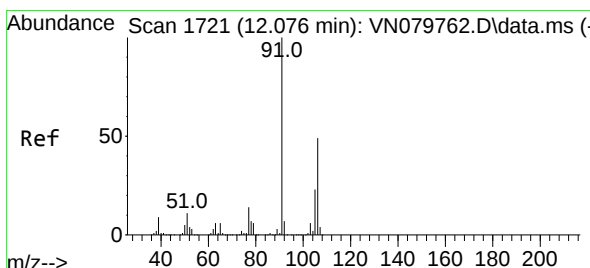
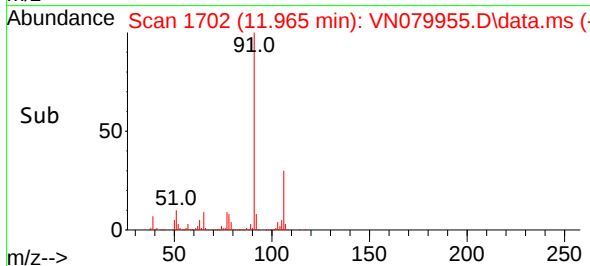
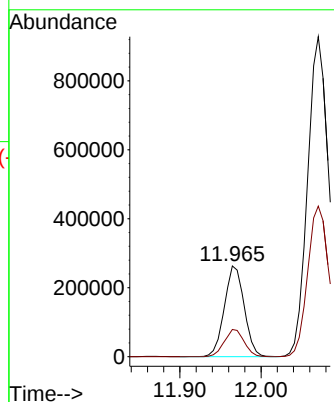
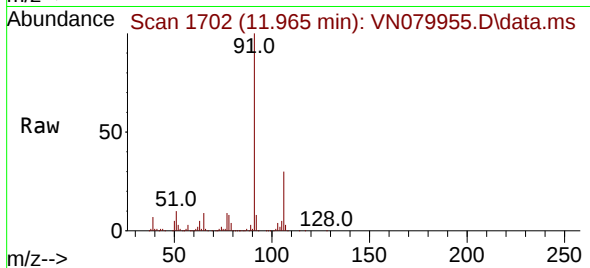
1073

Tgt Ion: 91 Resp: 447072

Ion Ratio Lower Upper

91 100

106 30.1 25.6 38.4



#68

m/p-Xylenes

Concen: 82.606 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN079955.D

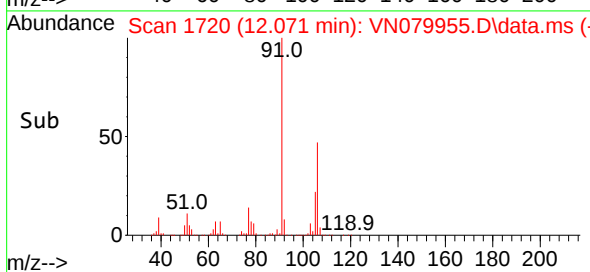
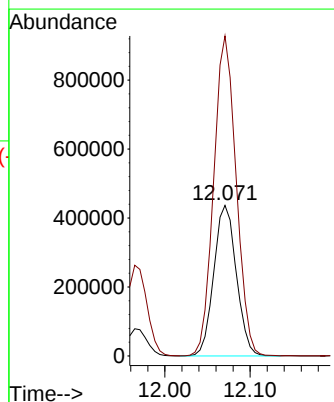
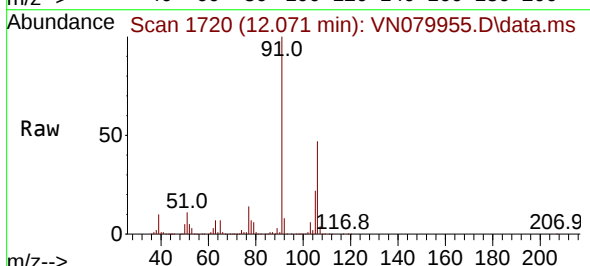
Acq: 07 Nov 2023 08:53

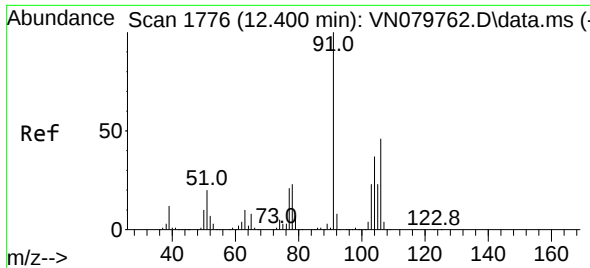
Tgt Ion:106 Resp: 803211

Ion Ratio Lower Upper

106 100

91 211.5 159.6 239.4

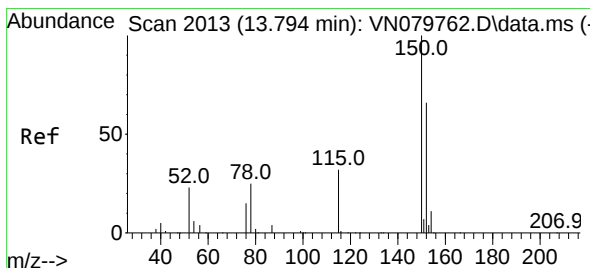
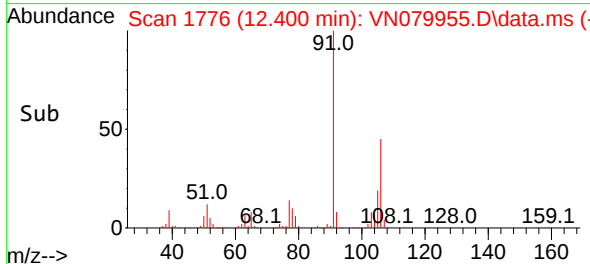
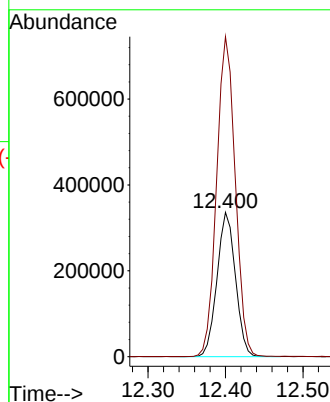
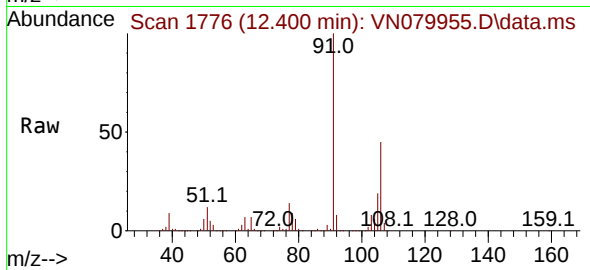




#69
o-Xylene
Concen: 59.332 ug/l
RT: 12.400 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

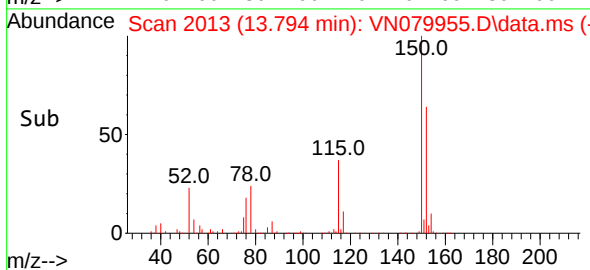
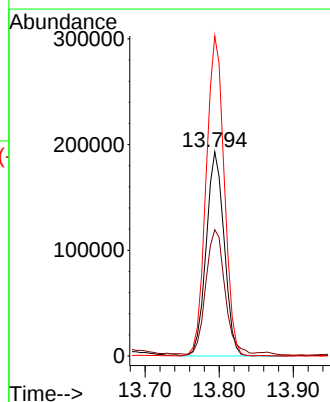
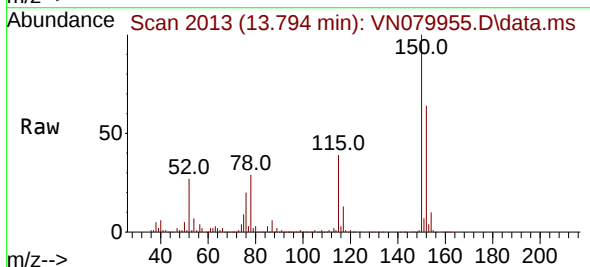
Instrument :
MSVOA_N
ClientSampleId :
1073

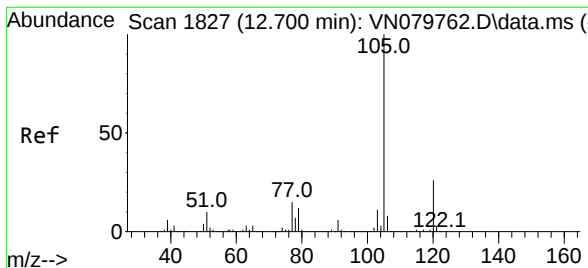
Tgt Ion:106 Resp: 555532
Ion Ratio Lower Upper
106 100
91 224.0 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Tgt Ion:152 Resp: 324596
Ion Ratio Lower Upper
152 100
115 64.7 32.3 96.8
150 157.6 0.0 355.8





#73

Isopropylbenzene

Concen: 1.019 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.006 min

Lab File: VN079955.D

Acq: 07 Nov 2023 08:53

Instrument :

MSVOA_N

ClientSampleId :

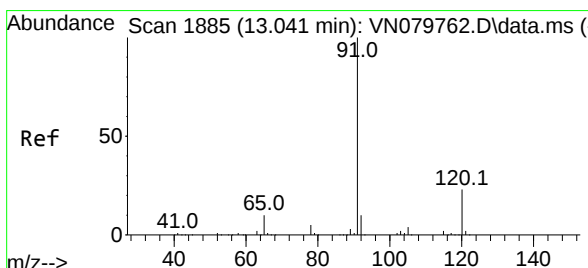
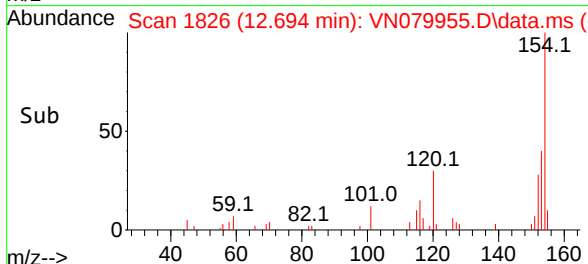
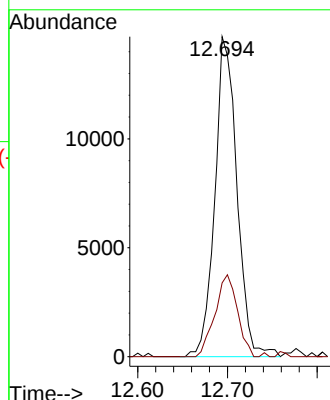
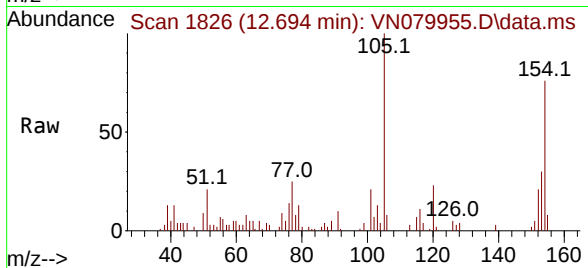
1073

Tgt Ion:105 Resp: 25114

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#78

n-propylbenzene

Concen: 1.200 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VN079955.D

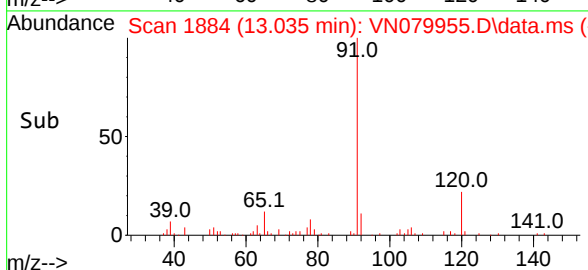
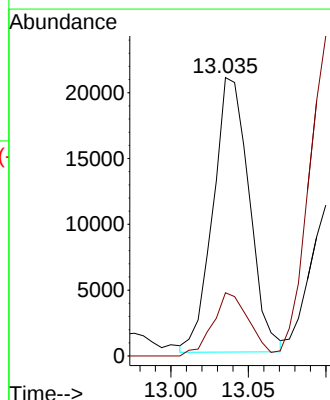
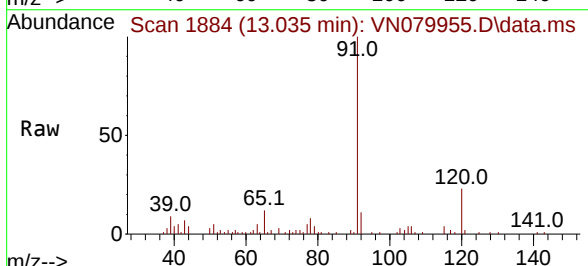
Acq: 07 Nov 2023 08:53

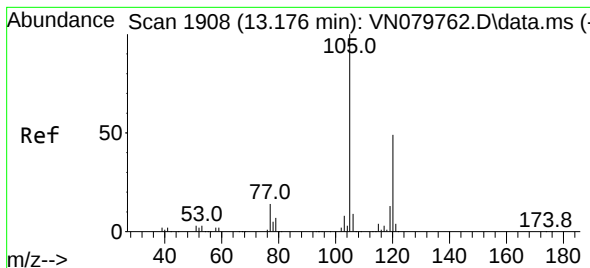
Tgt Ion: 91 Resp: 33840

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 7.171 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079955.D

Acq: 07 Nov 2023 08:53

Instrument :

MSVOA_N

ClientSampleId :

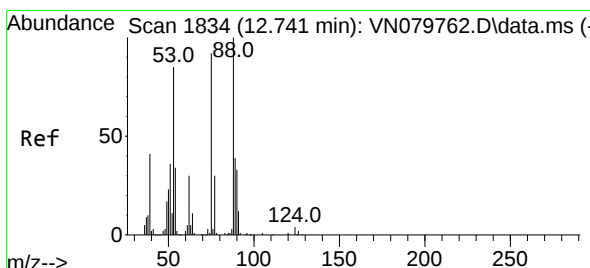
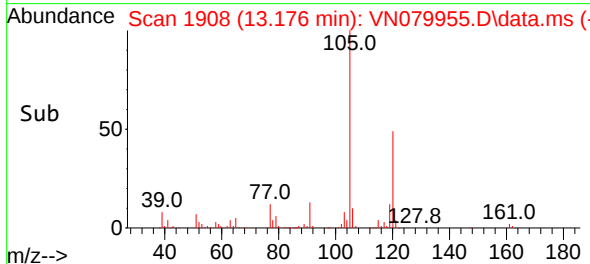
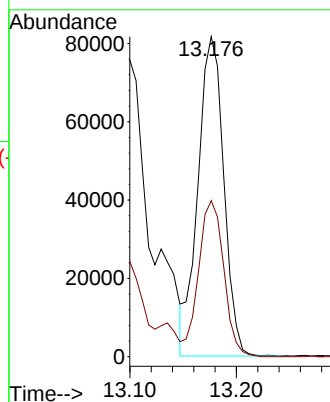
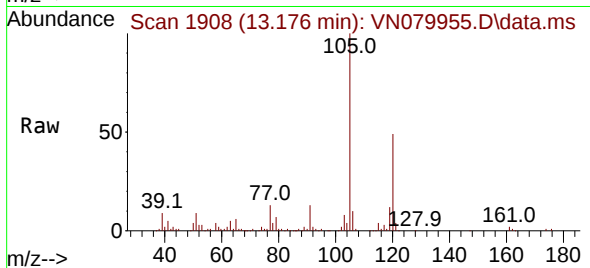
1073

Tgt Ion:105 Resp: 137444

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 63.435 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079955.D

Acq: 07 Nov 2023 08:53

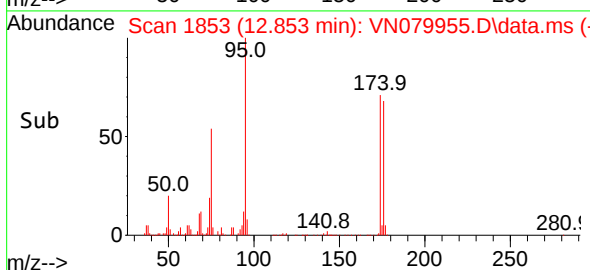
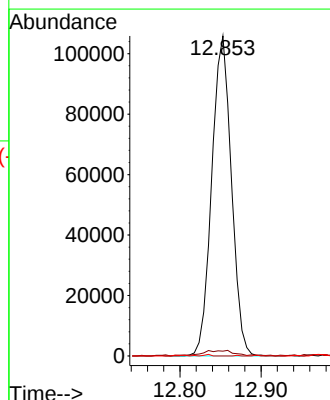
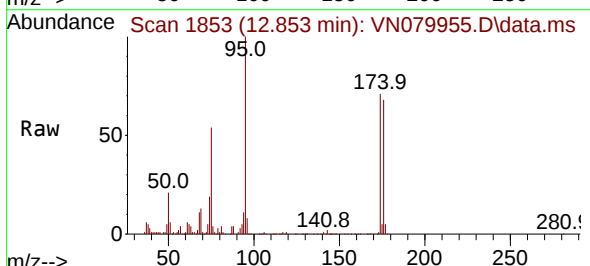
Tgt Ion: 75 Resp: 177673

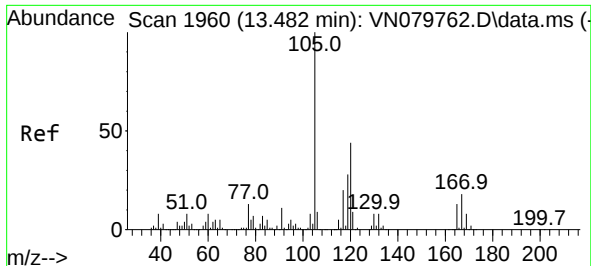
Ion Ratio Lower Upper

75 100

53 3.0 67.4 101.2#

89 0.0 38.8 58.2#

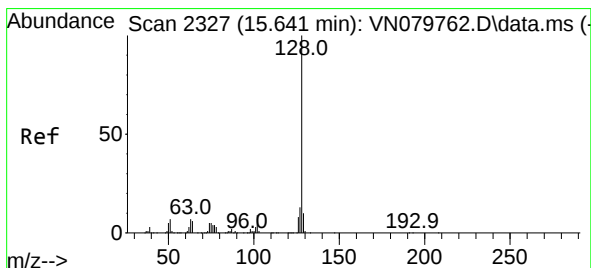
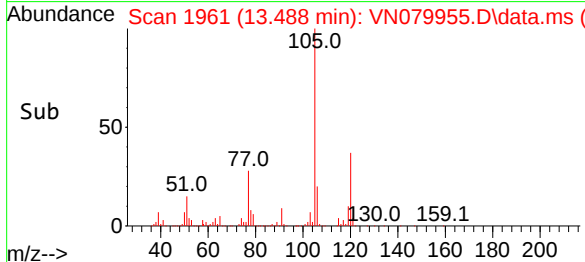
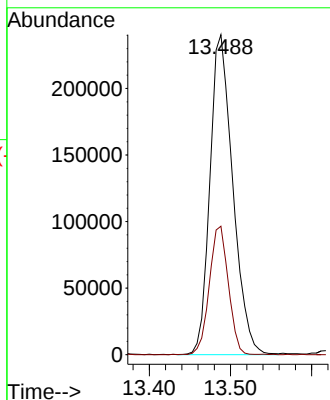
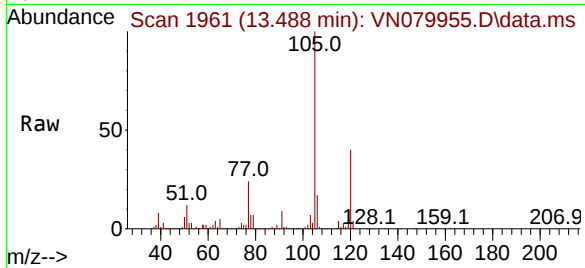




#84
1,2,4-Trimethylbenzene
Concen: 24.959 ug/l
RT: 13.488 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Instrument :
MSVOA_N
ClientSampleId :
1073

Tgt Ion:105 Resp: 470654
Ion Ratio Lower Upper
105 100
120 33.4 22.0 66.0



#95
Naphthalene
Concen: 449.175 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN079955.D
Acq: 07 Nov 2023 08:53

Tgt Ion:128 Resp: 7671465
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 11.0 8.7 13.1

