

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077817.D
 Acq On : 23 May 2023 15:30
 Operator : JC\MD
 Sample : 02884-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2004

Quant Time: May 24 02:54:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

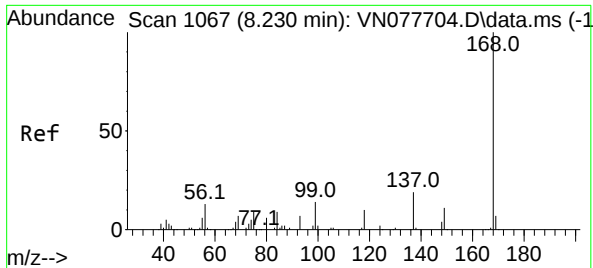
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	389700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	692521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	618274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	254182	43.592	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.180%		
35) Dibromofluoromethane	8.177	113	220362	48.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.600%		
50) Toluene-d8	10.577	98	851860	49.009	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.020%		
62) 4-Bromofluorobenzene	12.853	95	295742	48.175	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.340%		
Target Compounds						Qvalue
8) Diethyl Ether	3.983	74	3169	1.114	ug/l	83
11) Tert butyl alcohol	5.524	59	346167	430.170	ug/l #	85
16) Acetone	4.436	43	266334	145.182	ug/l	98
17) Carbon Disulfide	4.718	76	9206	0.834	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	11175	0.753	ug/l	93
25) 2-Butanone	7.494	43	19981	6.963	ug/l #	85
40) Benzene	8.612	78	338738	17.379	ug/l	98
51) 4-Methyl-2-Pentanone	10.453	43	25652	4.488	ug/l	87
52) Toluene	10.641	92	189761	15.638	ug/l	100
65) Chlorobenzene	11.900	112	3330	0.248	ug/l	89
67) Ethyl Benzene	11.971	91	92286	3.842	ug/l	95
68) m/p-Xylenes	12.076	106	107772	11.841	ug/l	94
69) o-Xylene	12.406	106	49735	5.557	ug/l	97
70) Styrene	12.418	104	69595	4.895	ug/l	96
73) Isopropylbenzene	12.700	105	10261	0.508	ug/l	97
78) n-propylbenzene	13.041	91	18637	0.782	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	39196	2.308	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	114666	6.864	ug/l	96
95) Naphthalene	15.647	128	666336	41.576	ug/l	99

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

Quant Time: May 24 02:54:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

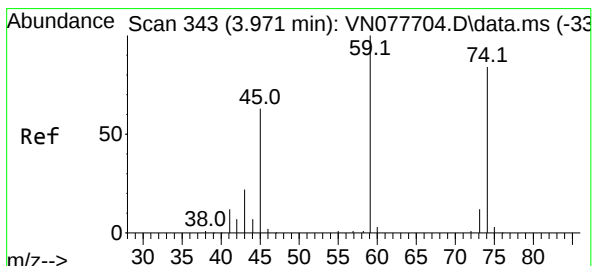
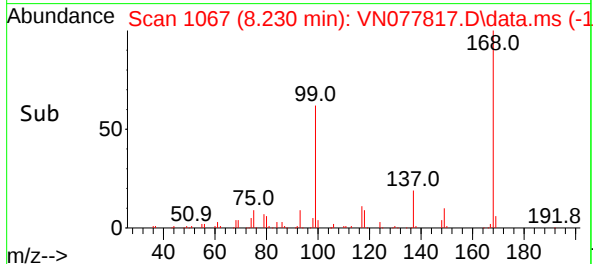
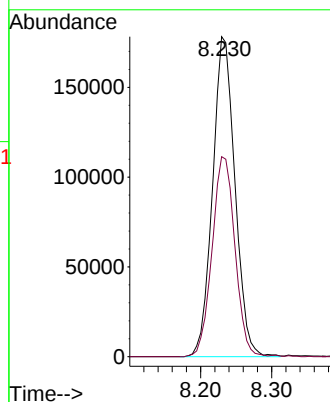
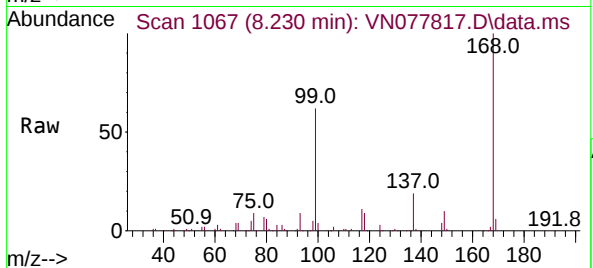




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

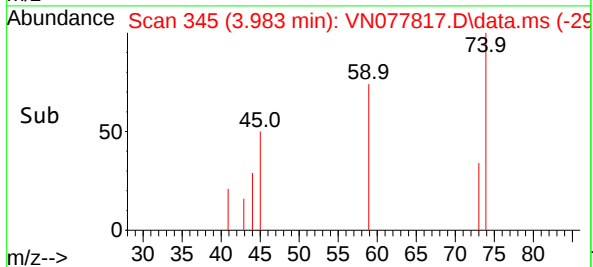
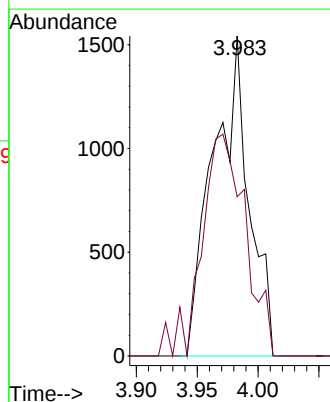
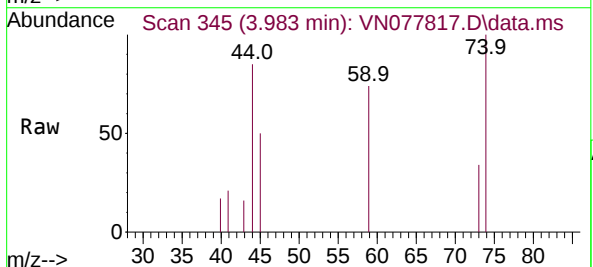
Instrument :
MSVOA_N
ClientSampleId :
2004

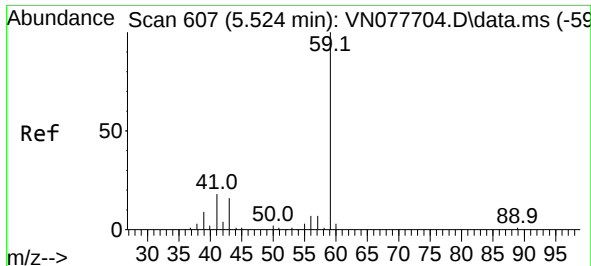
Tgt Ion:168 Resp: 389700
Ion Ratio Lower Upper
168 100
99 62.5 53.0 79.6



#8
Diethyl Ether
Concen: 1.114 ug/l
RT: 3.983 min Scan# 345
Delta R.T. 0.018 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

Tgt Ion: 74 Resp: 3169
Ion Ratio Lower Upper
74 100
45 82.5 34.4 103.3

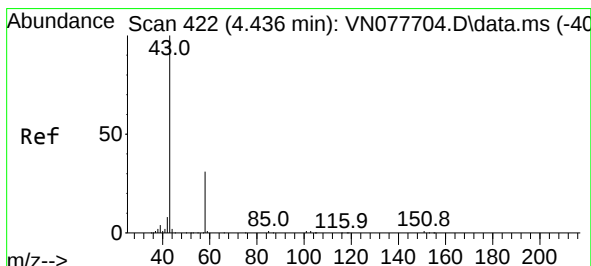
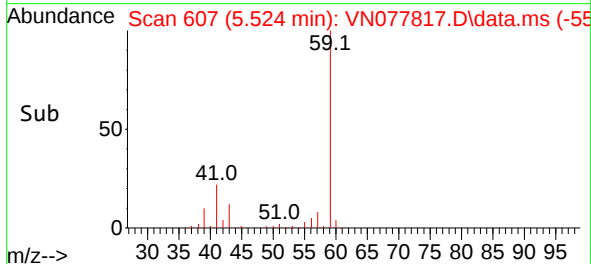
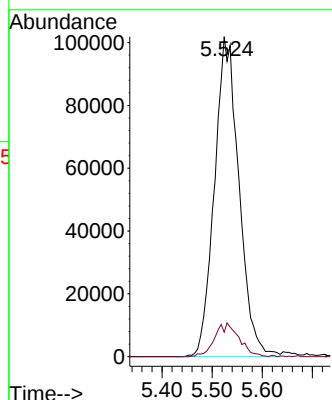
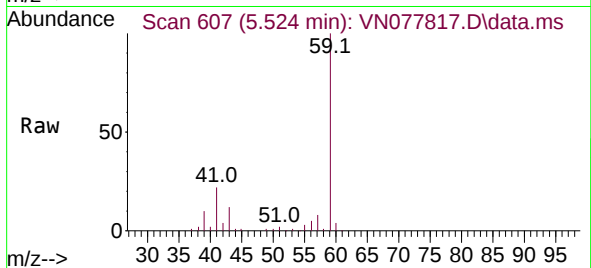




#11
Tert butyl alcohol
Concen: 430.170 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

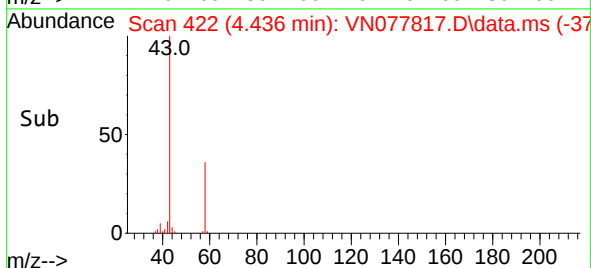
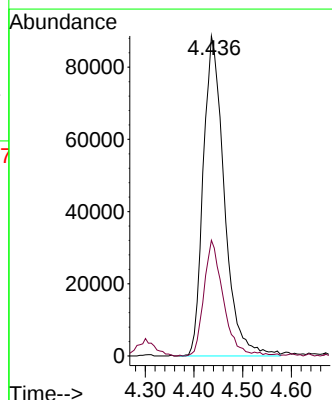
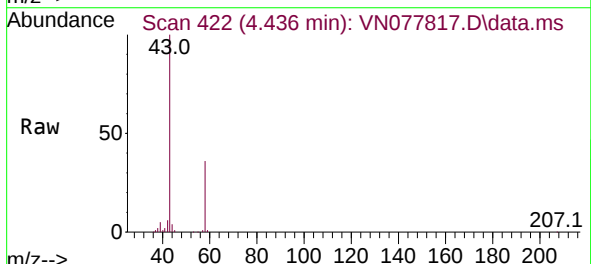
Instrument :
MSVOA_N
ClientSampleId :
2004

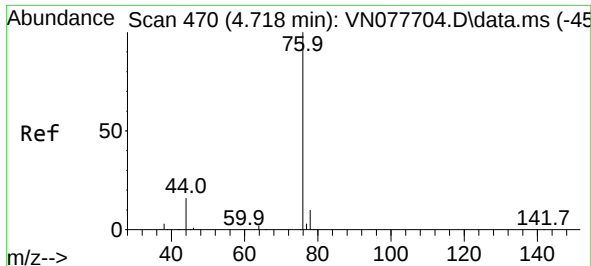
Tgt Ion: 59 Resp: 346167
Ion Ratio Lower Upper
59 100
57 4.6 8.2 12.4#



#16
Acetone
Concen: 145.182 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

Tgt Ion: 43 Resp: 266334
Ion Ratio Lower Upper
43 100
58 35.9 28.0 42.0

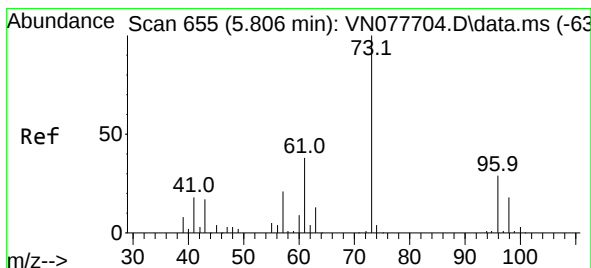
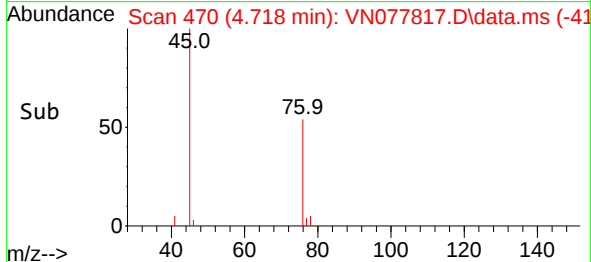
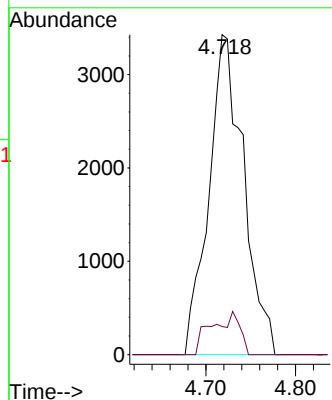
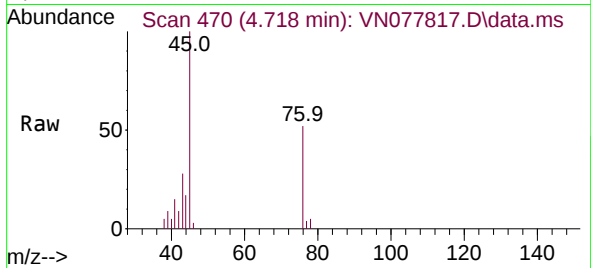




#17
Carbon Disulfide
Concen: 0.834 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

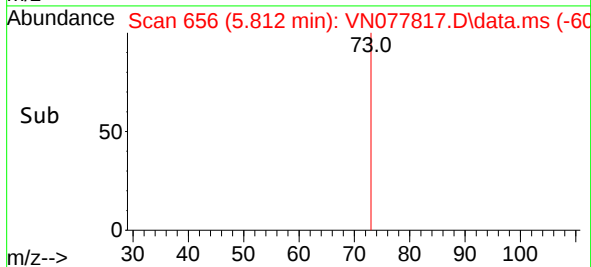
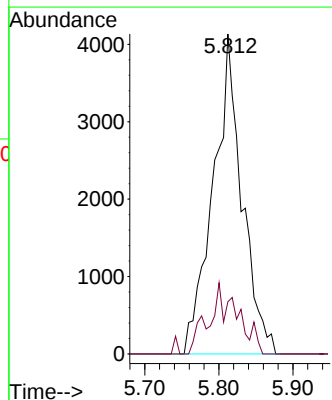
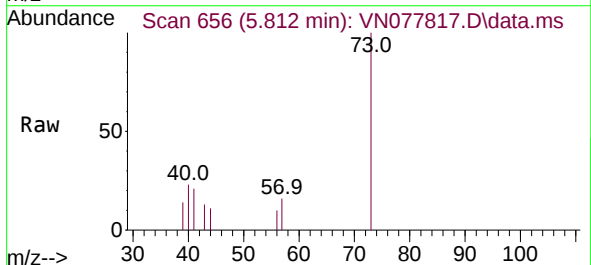
Instrument :
MSVOA_N
ClientSampleId :
2004

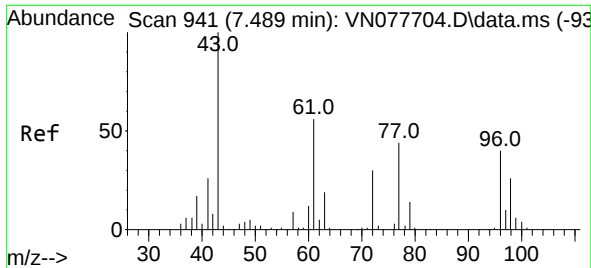
Tgt Ion: 76 Resp: 9206
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#19
Methyl tert-butyl Ether
Concen: 0.753 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.012 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

Tgt Ion: 73 Resp: 11175
Ion Ratio Lower Upper
73 100
57 16.3 15.6 23.4

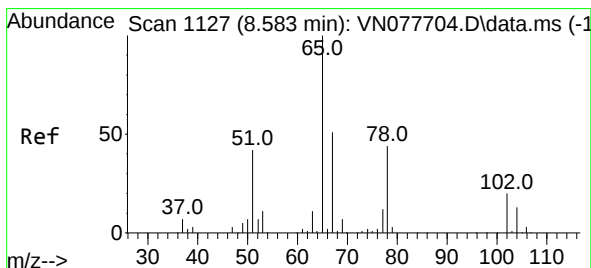
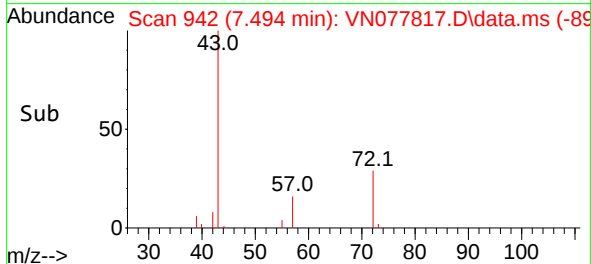
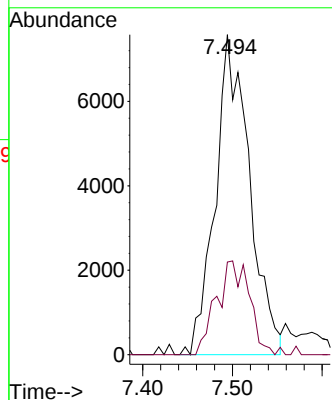
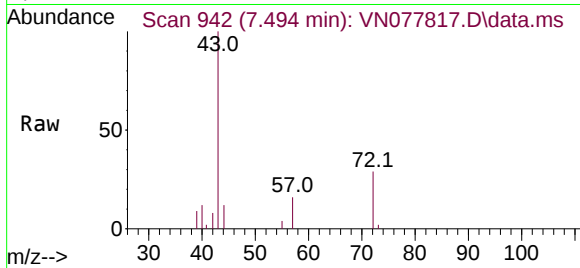




#25
2-Butanone
Concen: 6.963 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

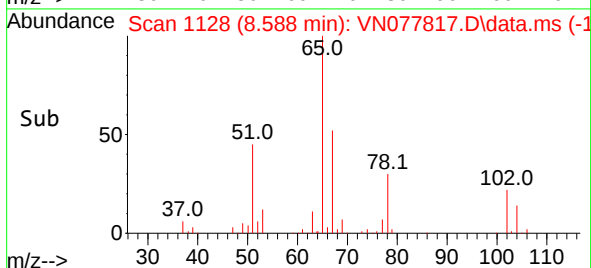
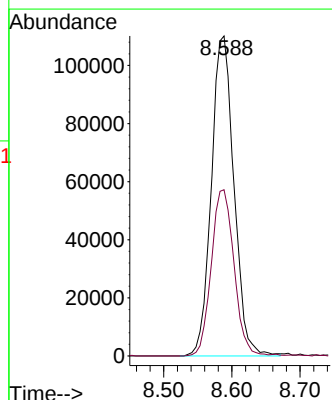
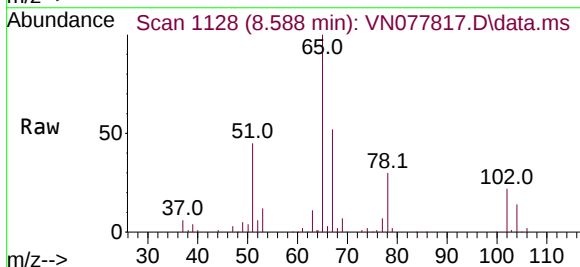
Instrument :
MSVOA_N
ClientSampleId :
2004

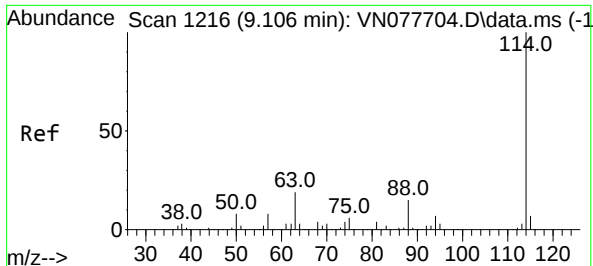
Tgt Ion: 43 Resp: 19981
Ion Ratio Lower Upper
43 100
72 29.0 30.2 45.2#



#33
1,2-Dichloroethane-d4
Concen: 43.592 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

Tgt Ion: 65 Resp: 254182
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077817.D

Acq: 23 May 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

2004

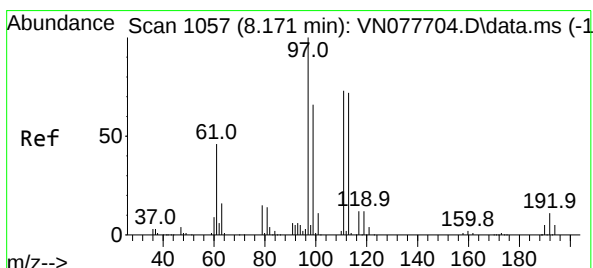
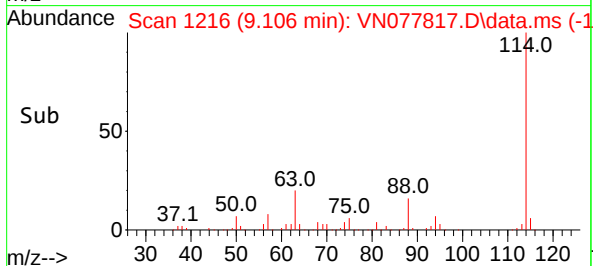
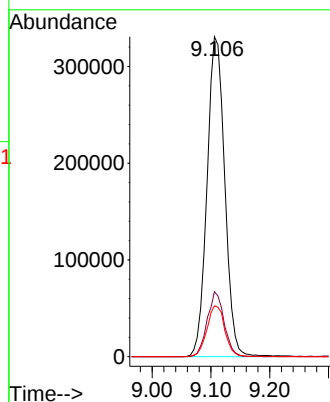
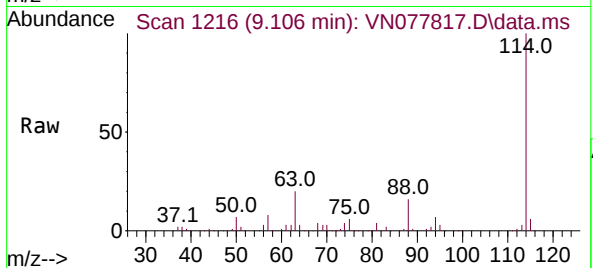
Tgt Ion:114 Resp: 692521

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.797 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077817.D

Acq: 23 May 2023 15:30

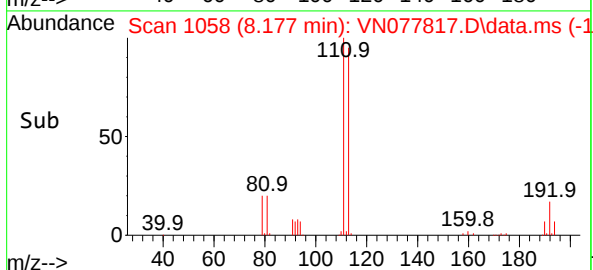
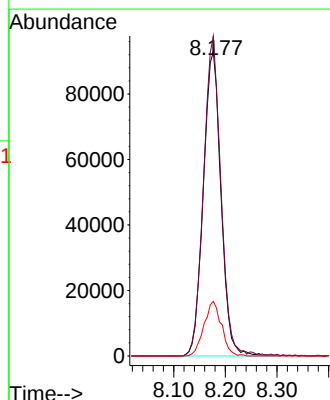
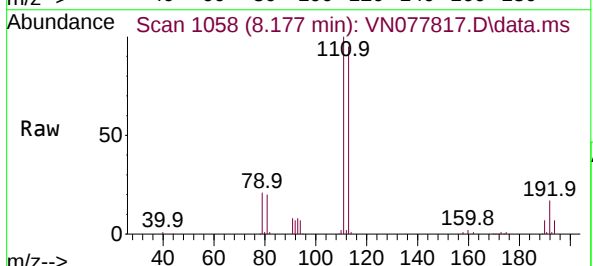
Tgt Ion:113 Resp: 220362

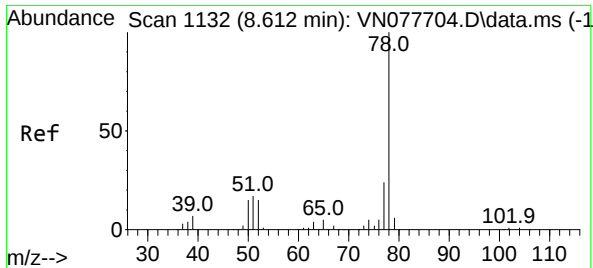
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 17.8 12.7 19.1

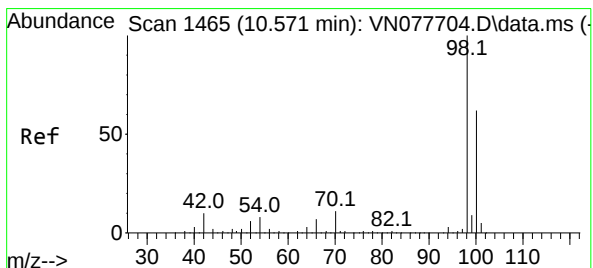
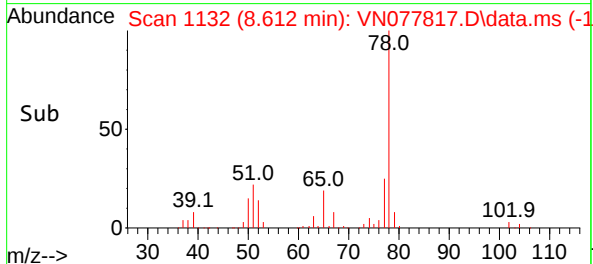
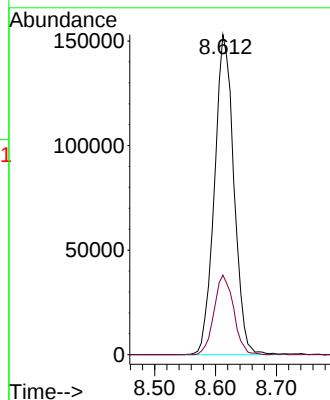
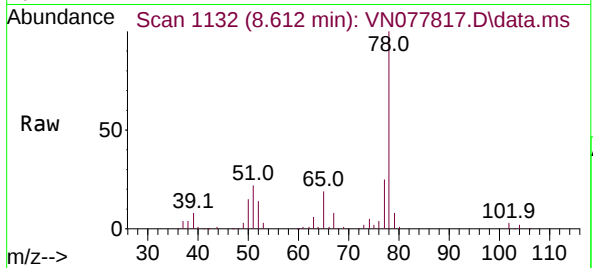




#40
Benzene
Concen: 17.379 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

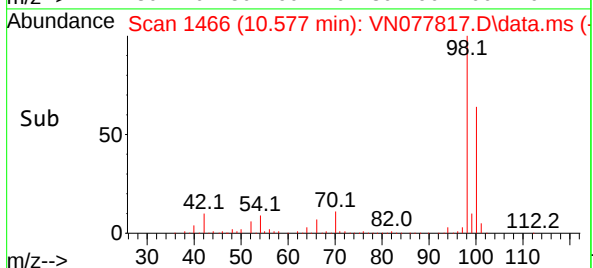
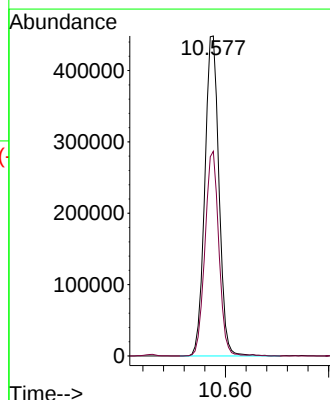
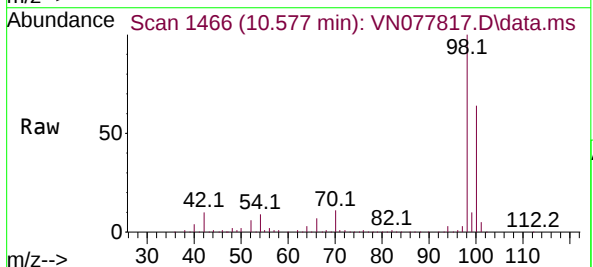
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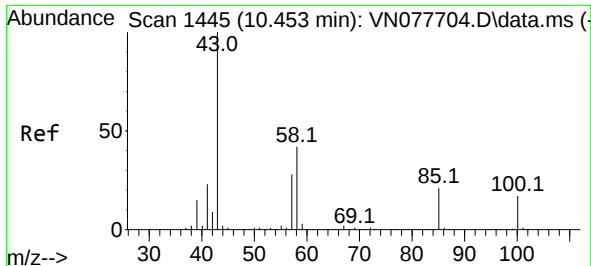
Tgt Ion: 78 Resp: 338738
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6



#50
Toluene-d8
Concen: 49.009 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

Tgt Ion: 98 Resp: 851860
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 4.488 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN077817.D

Acq: 23 May 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

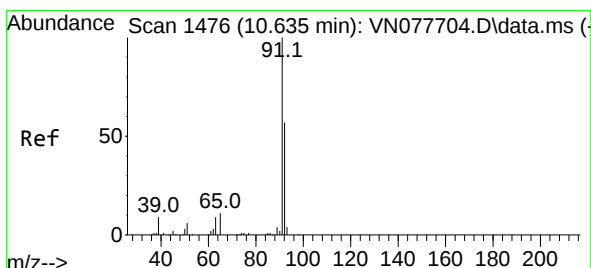
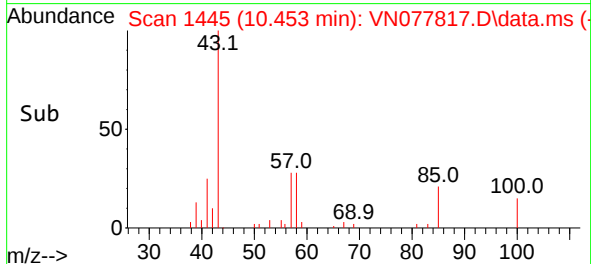
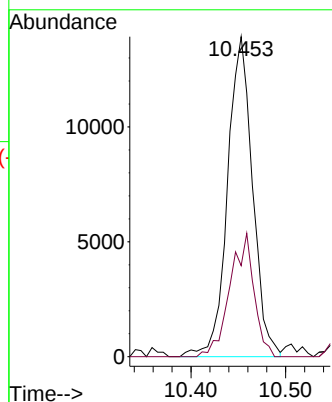
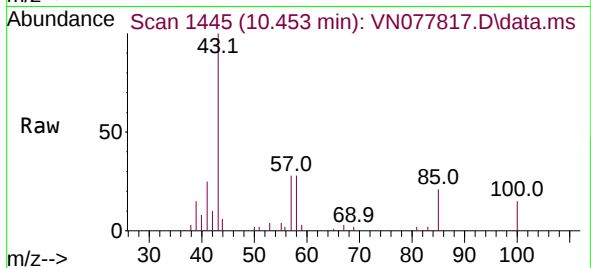
2004

Tgt Ion: 43 Resp: 25652

Ion Ratio Lower Upper

43 100

58 36.9 36.6 54.8



#52

Toluene

Concen: 15.638 ug/l

RT: 10.641 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VN077817.D

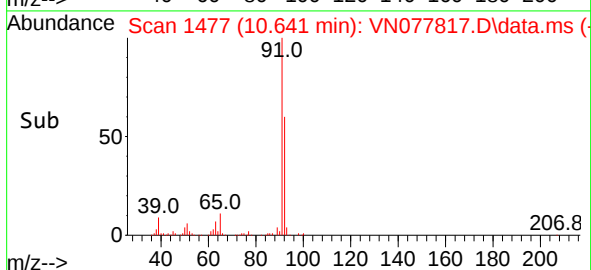
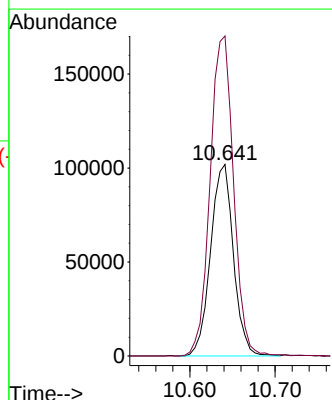
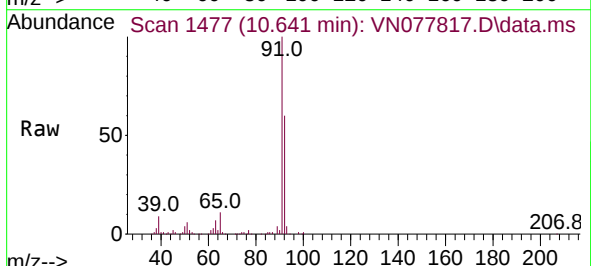
Acq: 23 May 2023 15:30

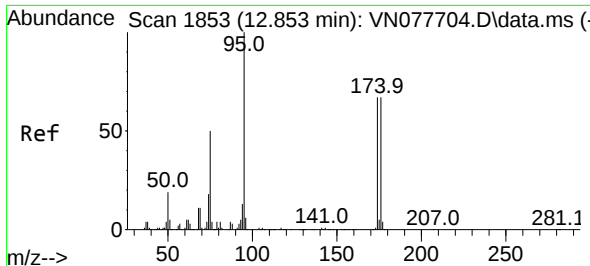
Tgt Ion: 92 Resp: 189761

Ion Ratio Lower Upper

92 100

91 171.6 137.4 206.0

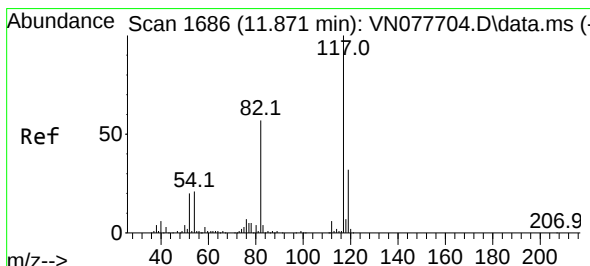
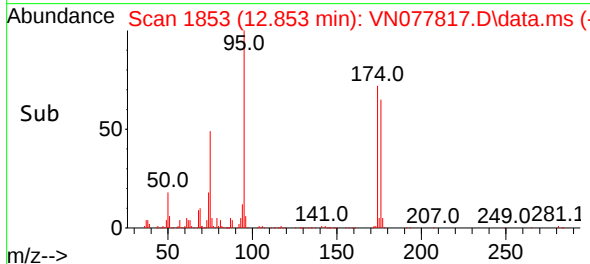
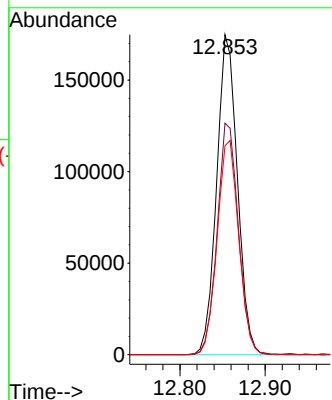
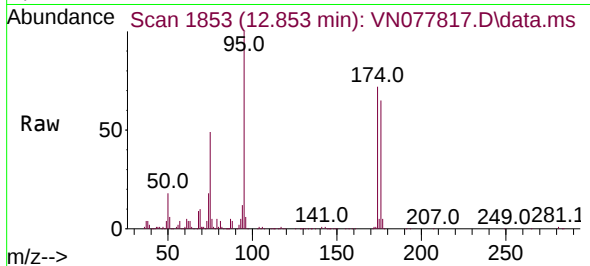




#62
4-Bromofluorobenzene
Concen: 48.175 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

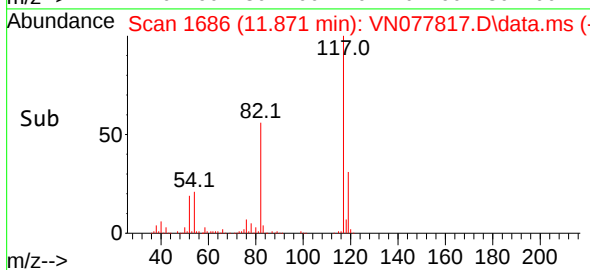
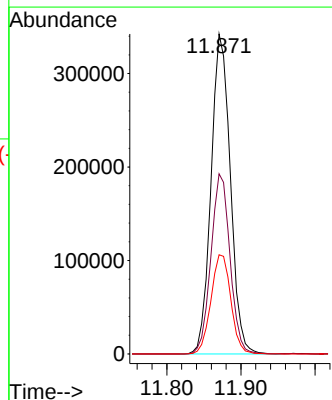
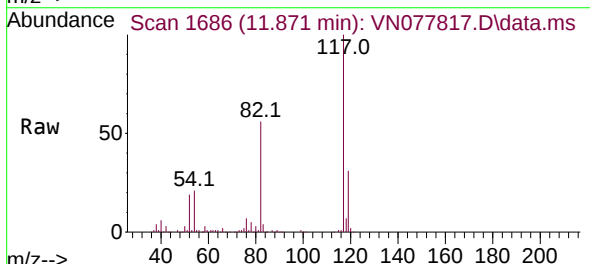
Instrument :
MSVOA_N
ClientSampleId :
2004

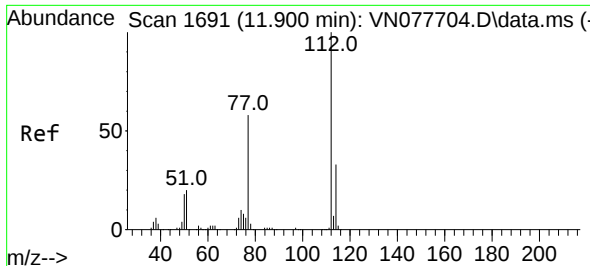
Tgt Ion: 95 Resp: 295742
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 69.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

Tgt Ion: 117 Resp: 618274
Ion Ratio Lower Upper
117 100
82 56.3 44.0 66.0
119 31.0 25.6 38.4

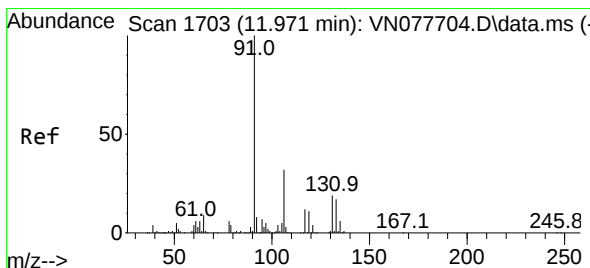
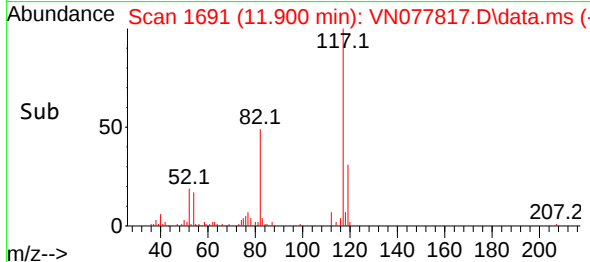
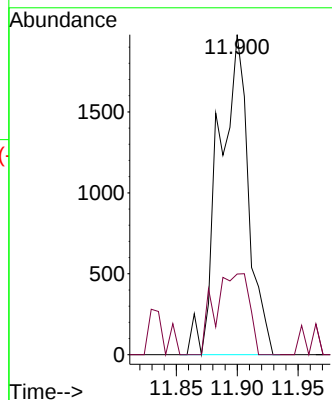
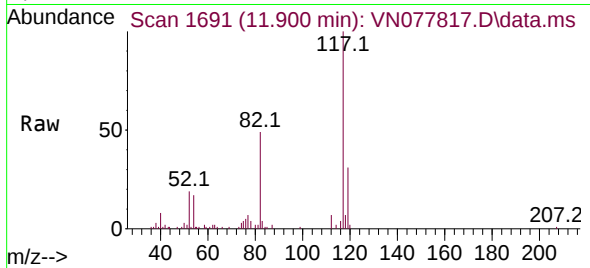




#65
Chlorobenzene
Concen: 0.248 ug/l
RT: 11.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

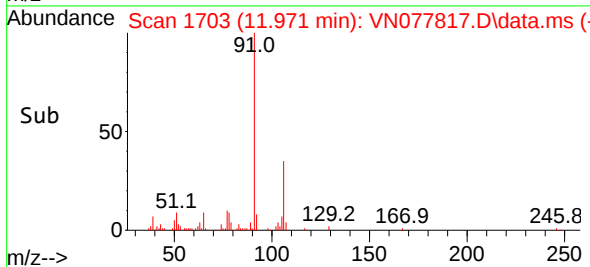
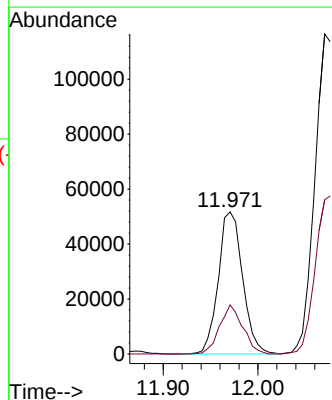
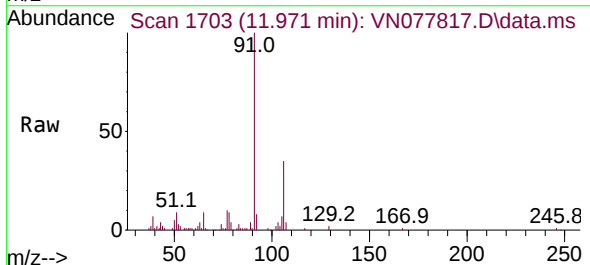
Instrument :
MSVOA_N
ClientSampleId :
2004

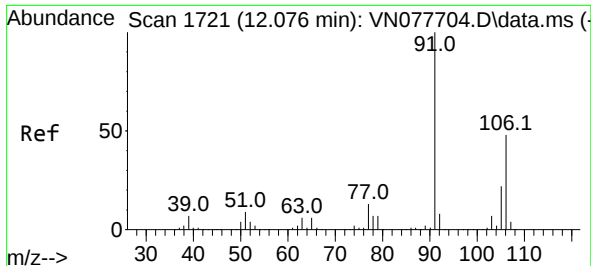
Tgt Ion:112 Resp: 3330
Ion Ratio Lower Upper
112 100
114 25.2 25.0 37.4



#67
Ethyl Benzene
Concen: 3.842 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

Tgt Ion: 91 Resp: 92286
Ion Ratio Lower Upper
91 100
106 34.6 25.6 38.4

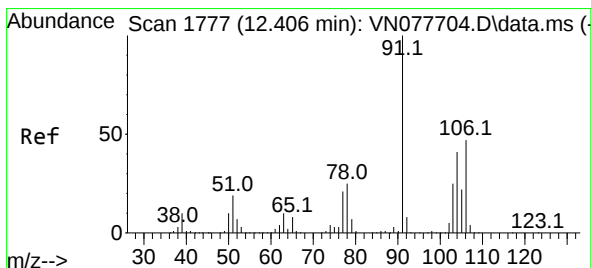
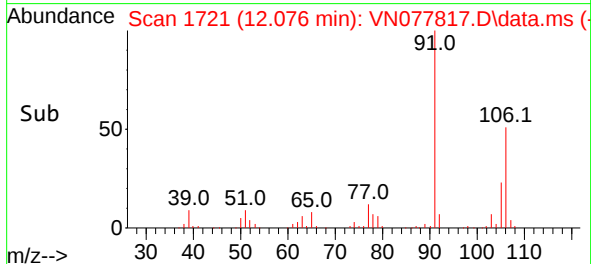
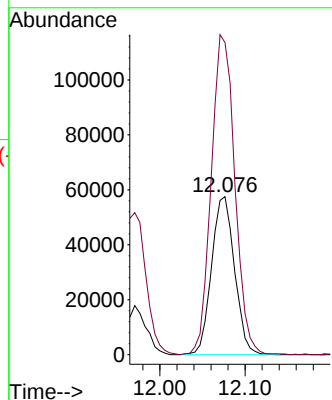
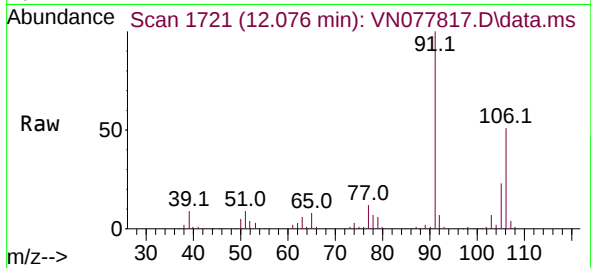




#68
m/p-Xylenes
Concen: 11.841 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

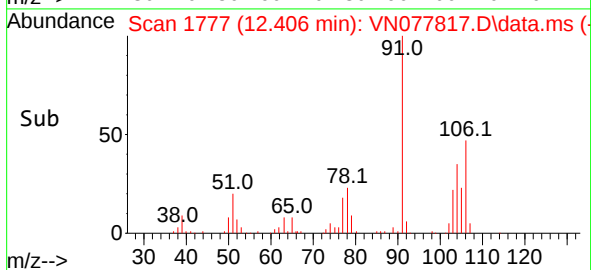
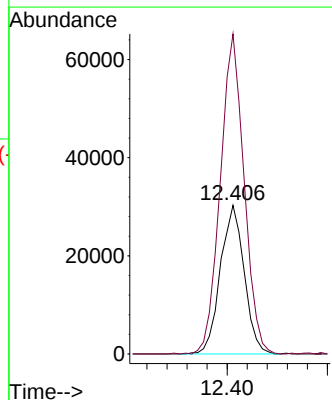
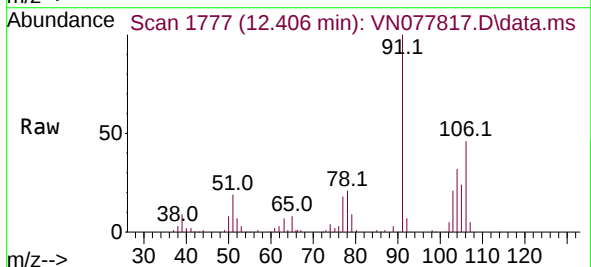
Instrument :
MSVOA_N
ClientSampleId :
2004

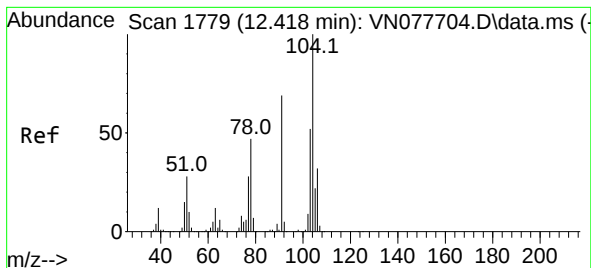
Tgt Ion:106 Resp: 107772
Ion Ratio Lower Upper
106 100
91 208.2 159.6 239.4



#69
o-Xylene
Concen: 5.557 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

Tgt Ion:106 Resp: 49735
Ion Ratio Lower Upper
106 100
91 215.3 105.2 315.5





#70

Styrene

Concen: 4.895 ug/l

RT: 12.418 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN077817.D

Acq: 23 May 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

2004

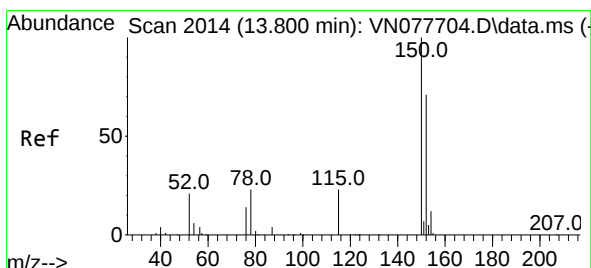
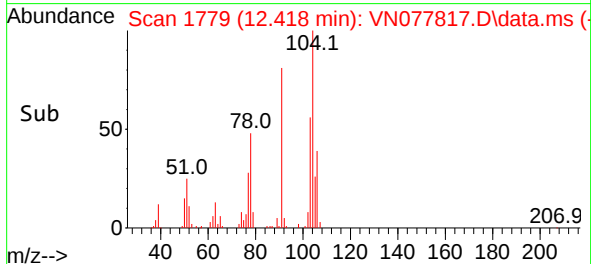
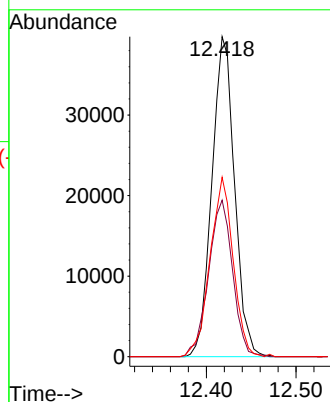
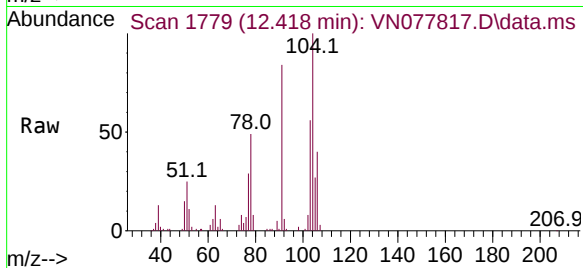
Tgt Ion:104 Resp: 69595

Ion Ratio Lower Upper

104 100

78 51.8 39.5 59.3

103 57.3 43.2 64.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077817.D

Acq: 23 May 2023 15:30

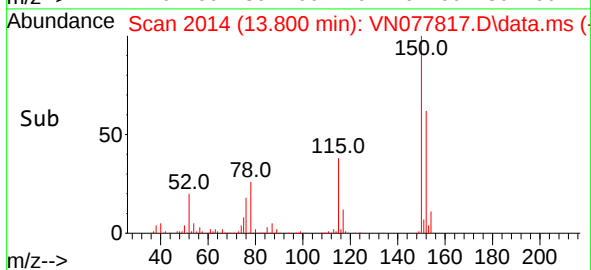
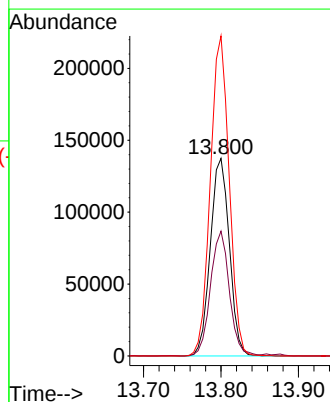
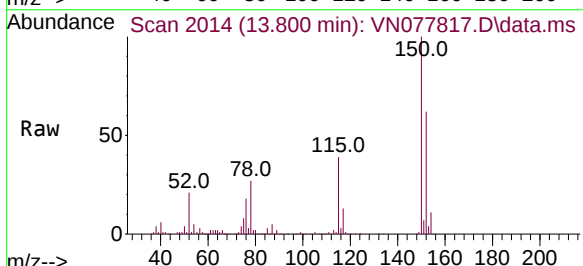
Tgt Ion:152 Resp: 234448

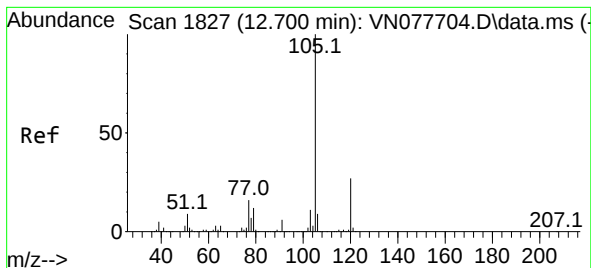
Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 160.0 0.0 355.8





#73

Isopropylbenzene

Concen: 0.508 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN077817.D

Acq: 23 May 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

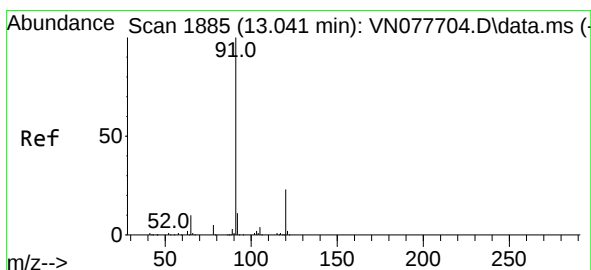
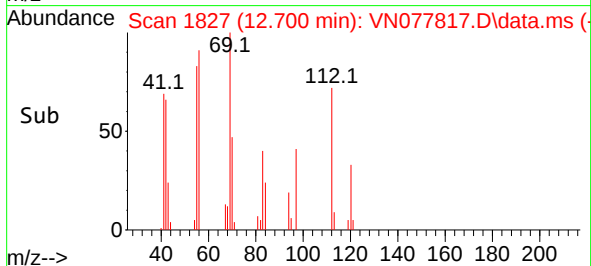
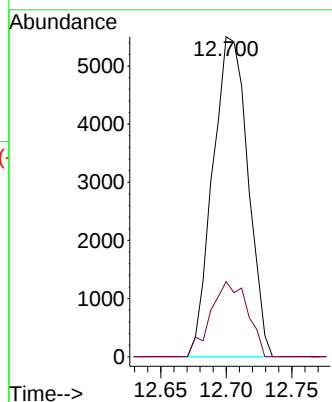
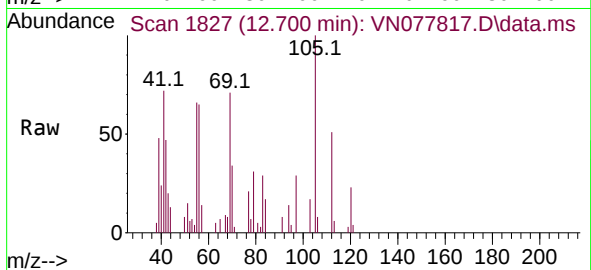
2004

Tgt Ion:105 Resp: 10261

Ion Ratio Lower Upper

105 100

120 24.6 13.1 39.1



#78

n-propylbenzene

Concen: 0.782 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN077817.D

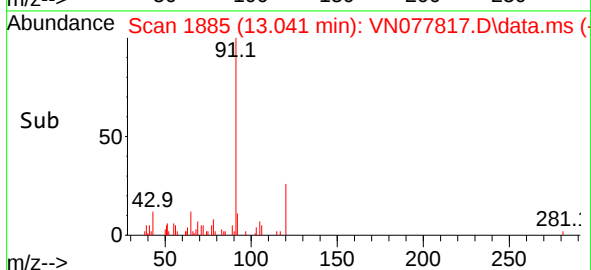
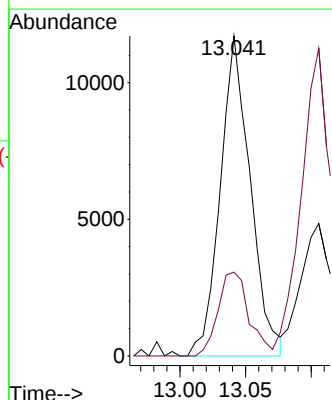
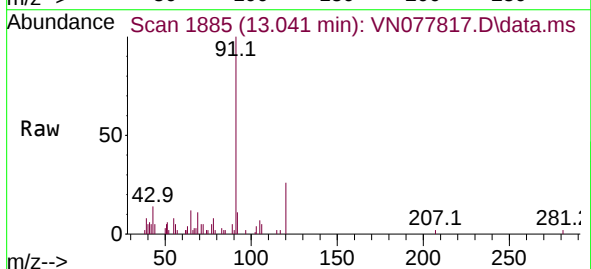
Acq: 23 May 2023 15:30

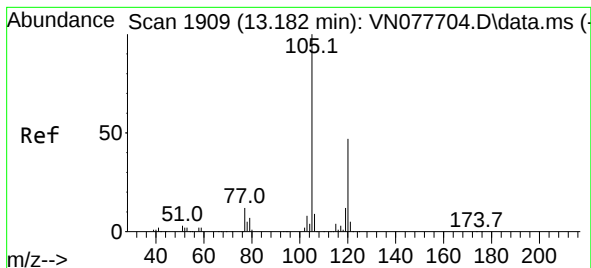
Tgt Ion: 91 Resp: 18637

Ion Ratio Lower Upper

91 100

120 27.1 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 2.308 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VN077817.D

Acq: 23 May 2023 15:30

Instrument :

MSVOA_N

ClientSampleId :

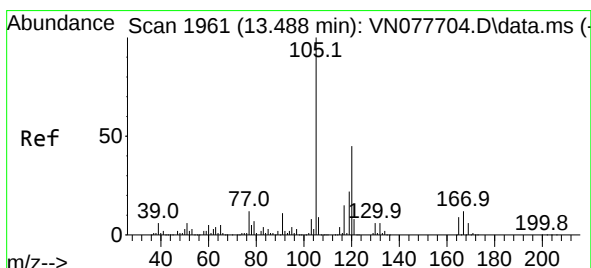
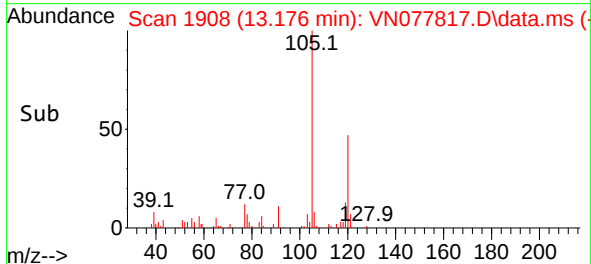
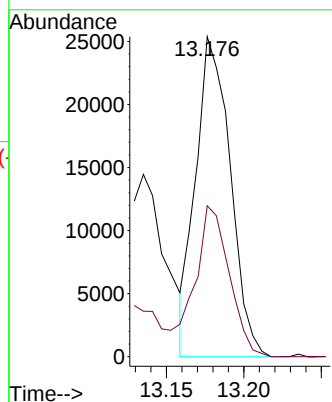
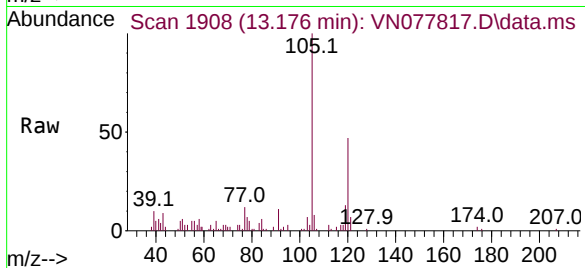
2004

Tgt Ion:105 Resp: 39196

Ion Ratio Lower Upper

105 100

120 47.1 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 6.864 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN077817.D

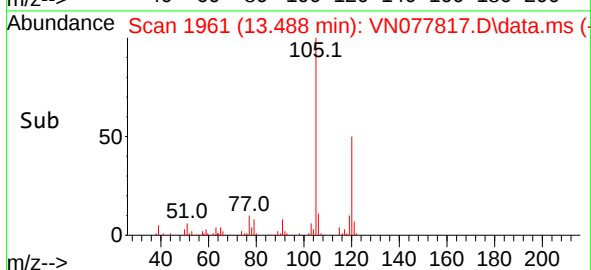
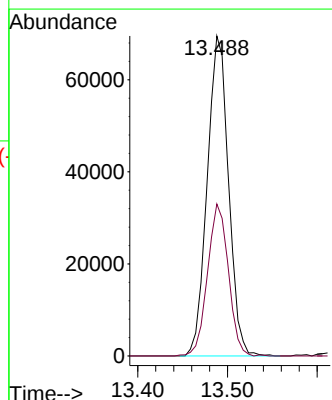
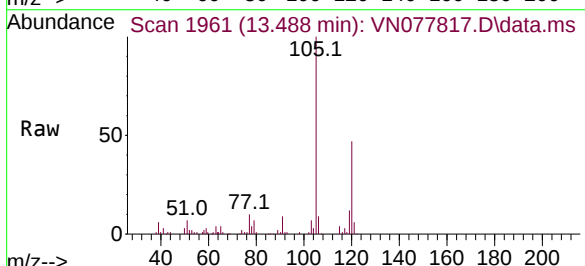
Acq: 23 May 2023 15:30

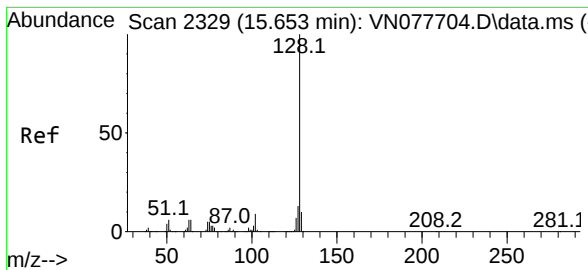
Tgt Ion:105 Resp: 114666

Ion Ratio Lower Upper

105 100

120 46.5 22.0 66.0





#95
Naphthalene
Concen: 41.576 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077817.D
Acq: 23 May 2023 15:30

Instrument :
MSVOA_N
ClientSampleId :
2004

Tgt Ion:128 Resp: 666336
Ion Ratio Lower Upper
128 100
127 13.3 10.0 15.0
129 10.8 8.7 13.1

