

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036718.D
 Acq On : 31 Jul 2023 14:23
 Operator : JC/MD
 Sample : 03808-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1711

Quant Time: Aug 01 04:36:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

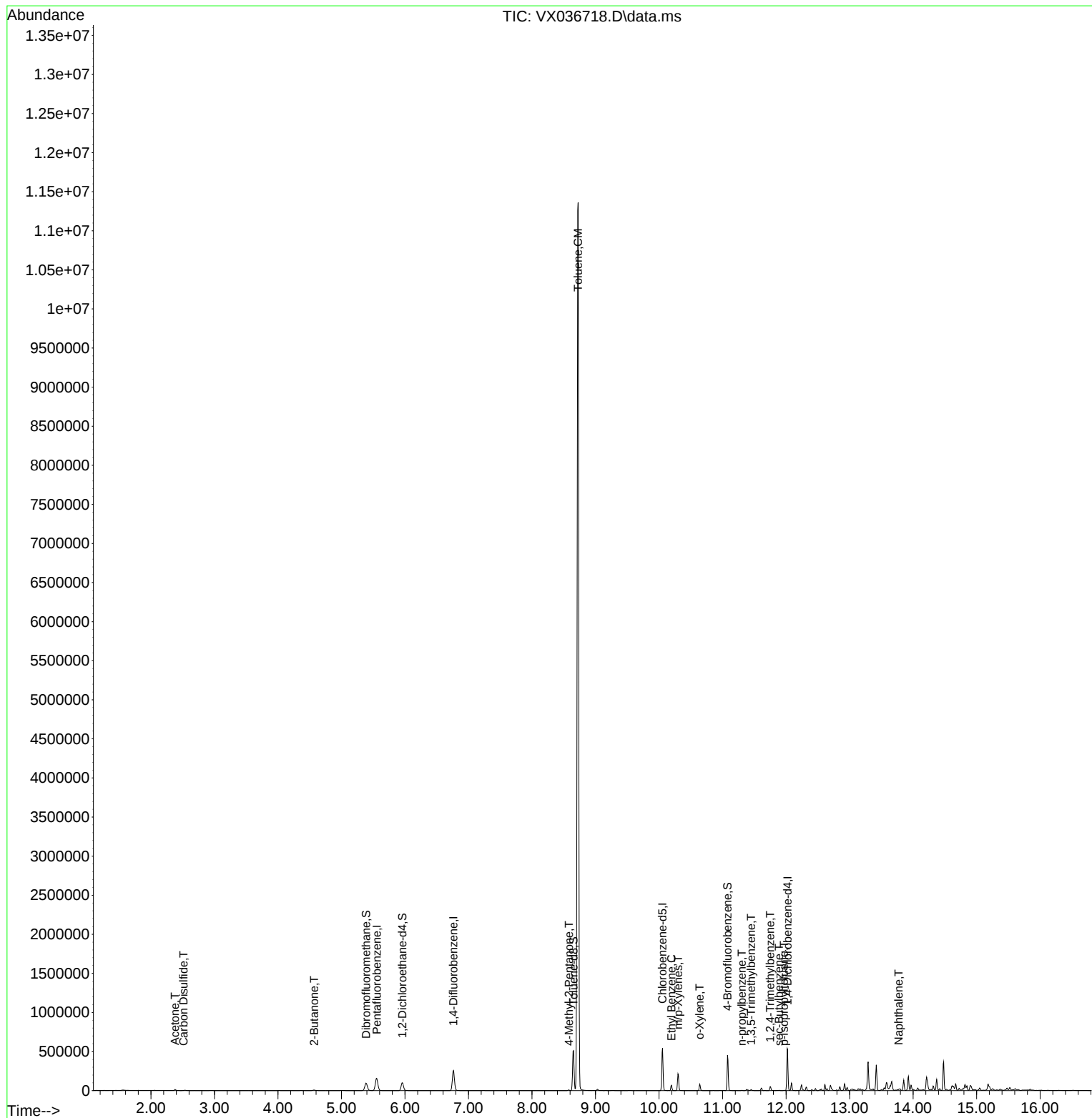
Internal Standards						
1) Pentafluorobenzene	5.556	168	145807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263200	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97434	45.162	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.320%
35) Dibromofluoromethane	5.385	113	83714	46.274	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.540%
50) Toluene-d8	8.653	98	318032	49.573	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.140%
62) 4-Bromofluorobenzene	11.079	95	118928	49.135	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.260%
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	15128	16.898	ug/l	99
17) Carbon Disulfide	2.514	76	1184	0.263	ug/l #	75
25) 2-Butanone	4.568	43	12035	8.286	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	5391	1.854	ug/l	99
52) Toluene	8.726	92	4794984	975.448	ug/l	92
67) Ethyl Benzene	10.195	91	39243	4.025	ug/l	99
68) m/p-Xylenes	10.299	106	49928	13.726	ug/l	100
69) o-Xylene	10.640	106	16924	4.661	ug/l	98
78) n-propylbenzene	11.305	91	2583	0.242	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	5475	0.708	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	19950	2.580	ug/l	79
85) sec-Butylbenzene	11.890	105	2461	0.260	ug/l	96
86) p-Isopropyltoluene	11.969	119	1936	0.248	ug/l	90
95) Naphthalene	13.774	128	9850	1.220	ug/l #	81

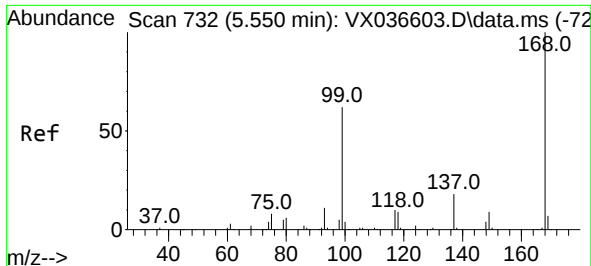
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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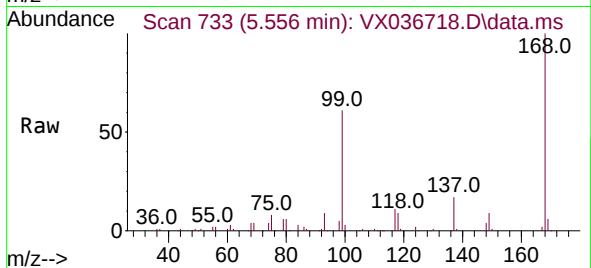
Quant Time: Aug 01 04:36:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
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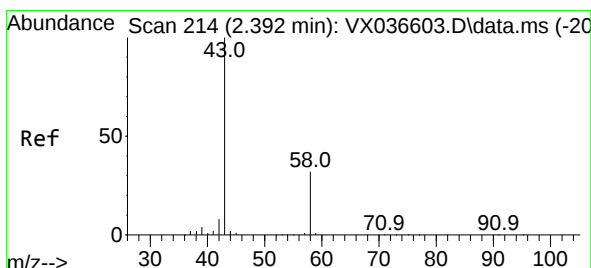
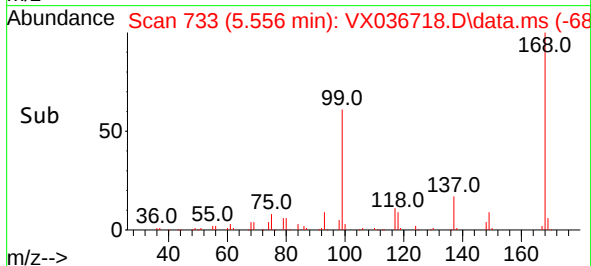
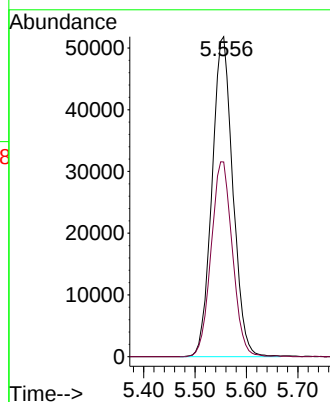


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 711
Delta R.T. 0.006 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

Instrument :
MSVOA_X
ClientSampleId :
1711

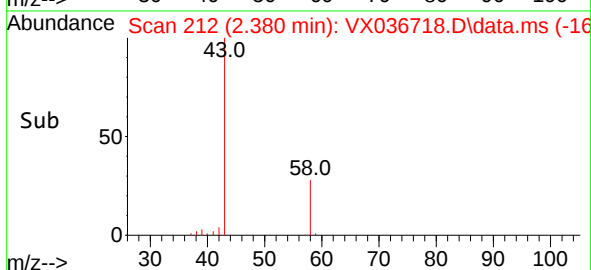
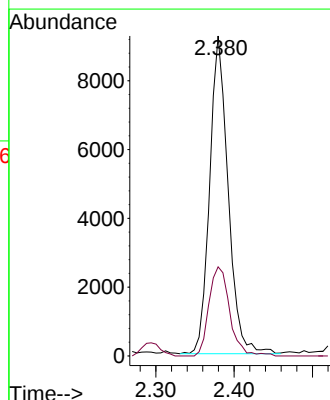
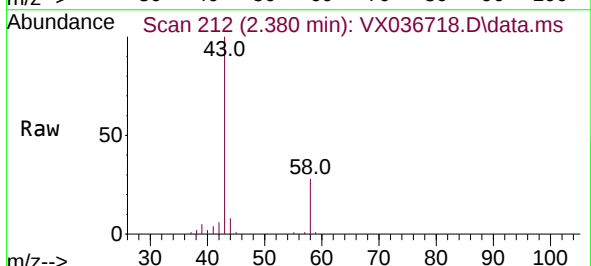


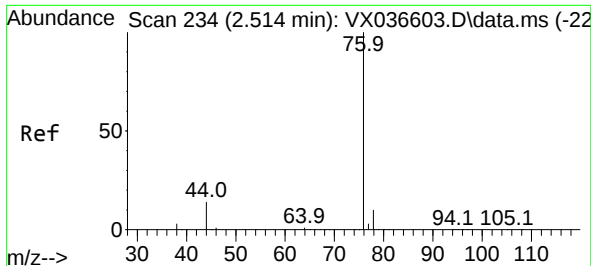
Tgt Ion:168 Resp: 145807
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#16
Acetone
Concen: 16.898 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

Tgt Ion: 43 Resp: 15128
Ion Ratio Lower Upper
43 100
58 28.0 21.9 32.9

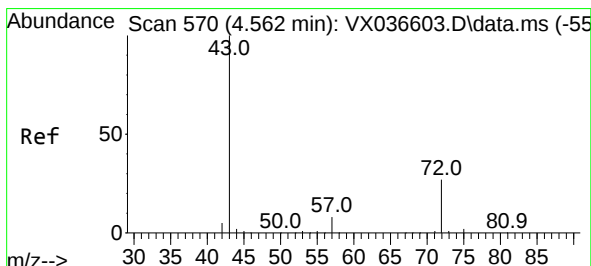
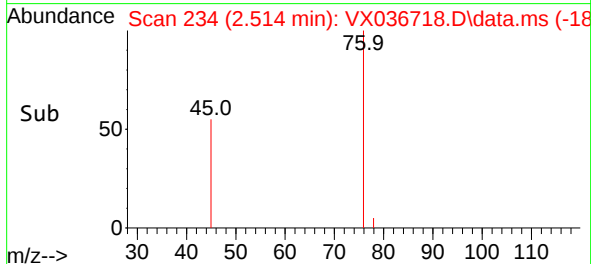
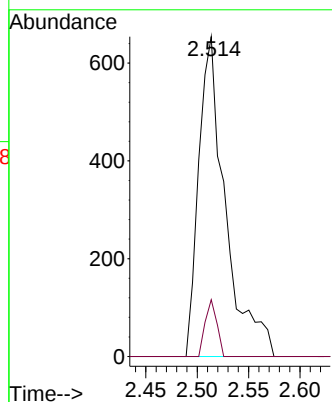
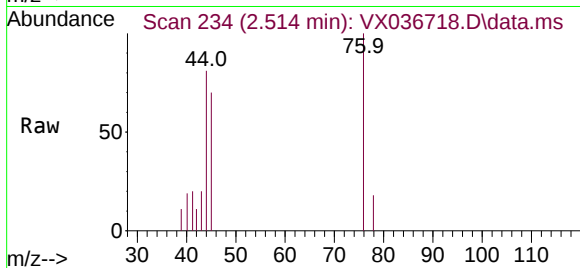




#17
Carbon Disulfide
Concen: 0.263 ug/l
RT: 2.514 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

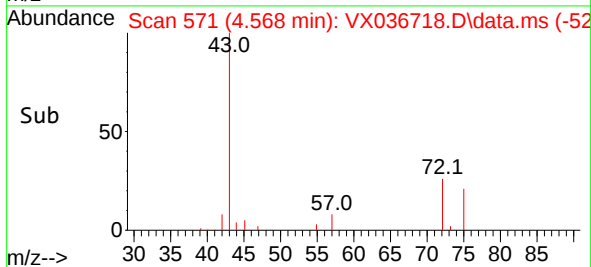
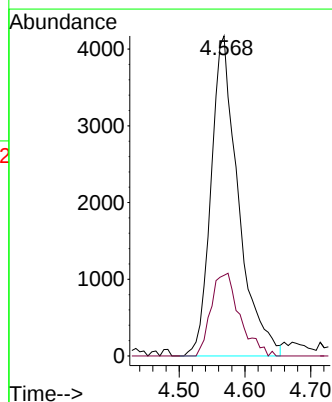
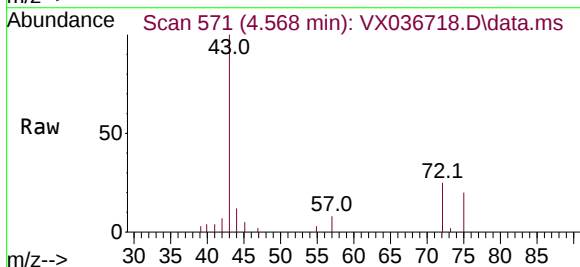
Instrument :
MSVOA_X
ClientSampleId :
1711

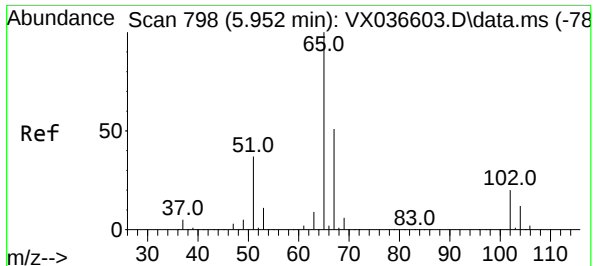
Tgt Ion: 76 Resp: 1184
Ion Ratio Lower Upper
76 100
78 17.7 7.0 10.6#



#25
2-Butanone
Concen: 8.286 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

Tgt Ion: 43 Resp: 12035
Ion Ratio Lower Upper
43 100
72 25.2 19.4 29.2





#33

1,2-Dichloroethane-d4

Concen: 45.162 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

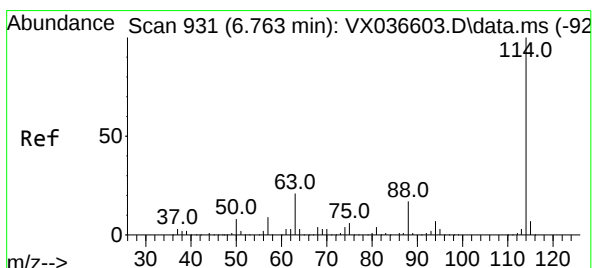
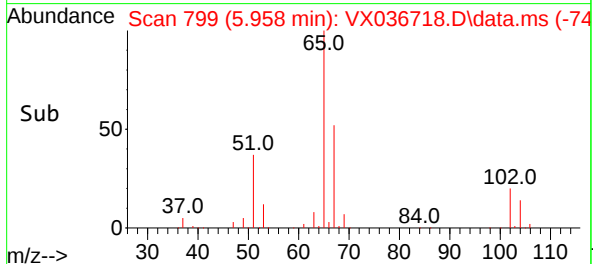
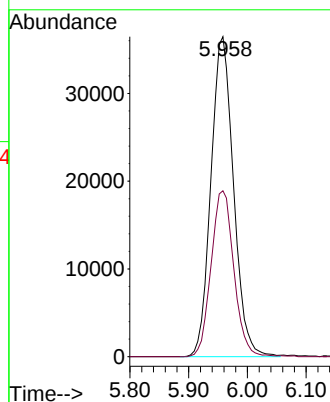
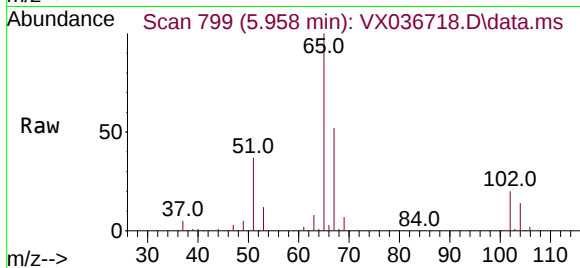
1711

Tgt Ion: 65 Resp: 97434

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

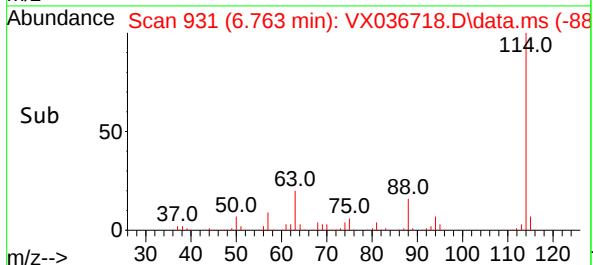
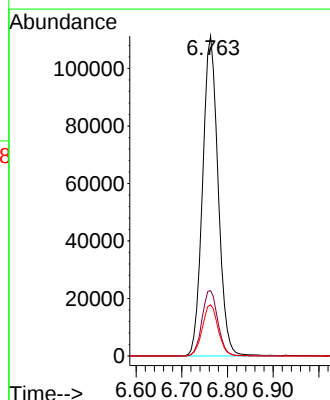
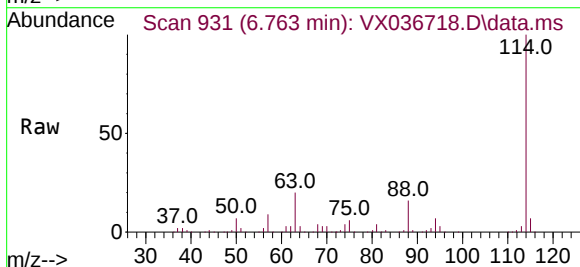
Tgt Ion: 114 Resp: 263200

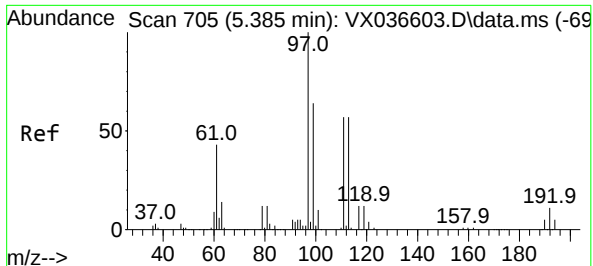
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

88 16.0 0.0 36.6

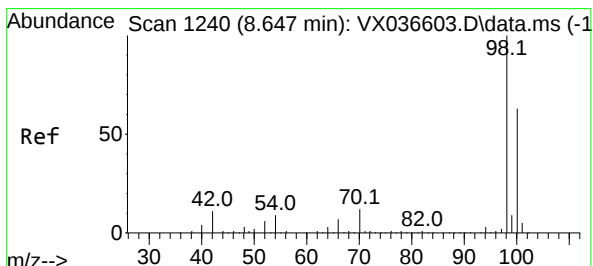
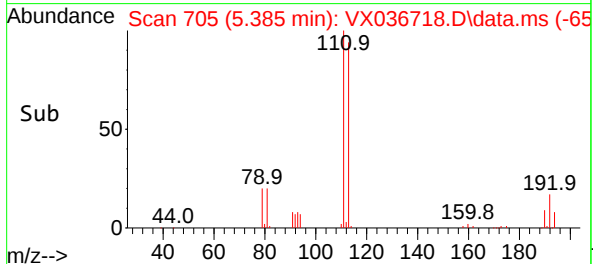
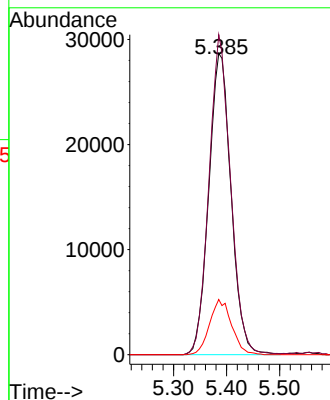
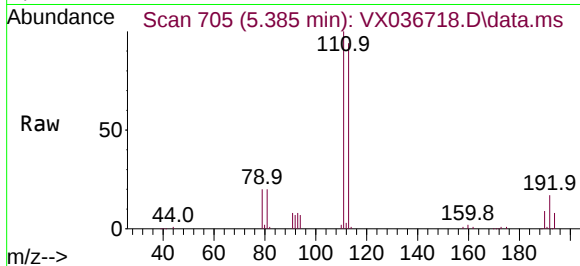




#35
Dibromofluoromethane
Concen: 46.274 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

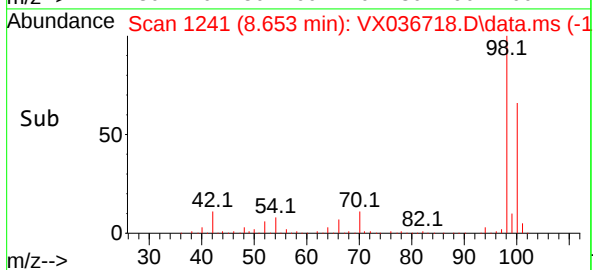
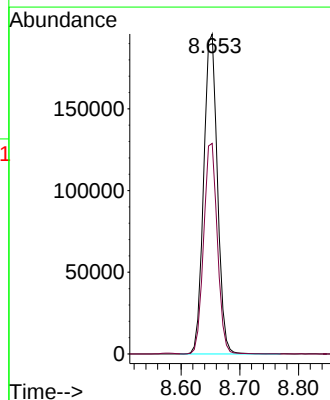
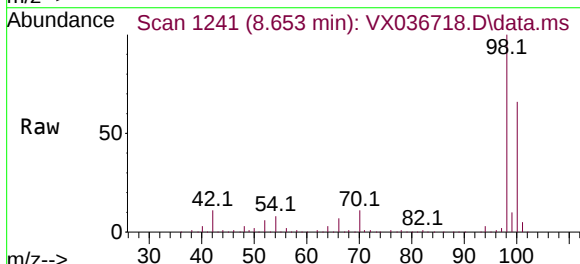
Instrument :
MSVOA_X
ClientSampleId :
1711

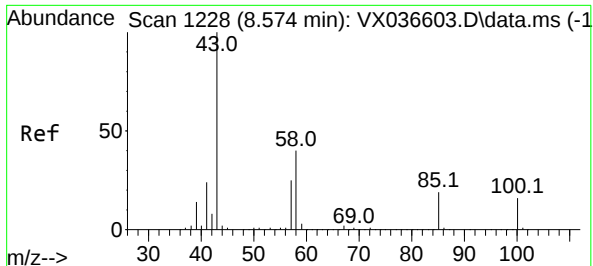
Tgt Ion:113 Resp: 83714
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.1 13.3 19.9



#50
Toluene-d8
Concen: 49.573 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

Tgt Ion: 98 Resp: 318032
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.854 ug/l

RT: 8.580 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

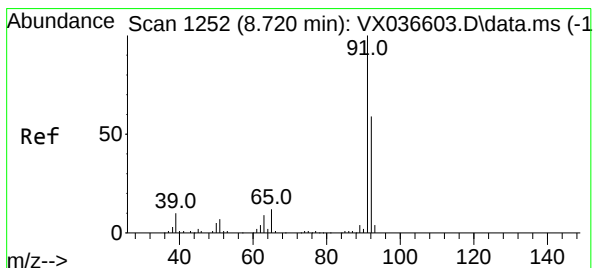
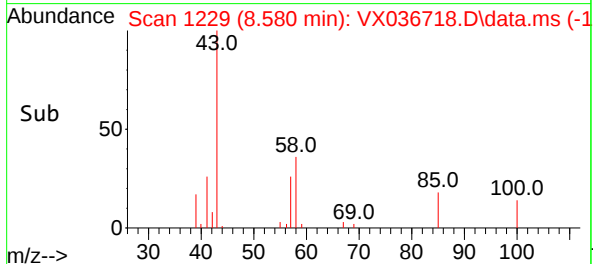
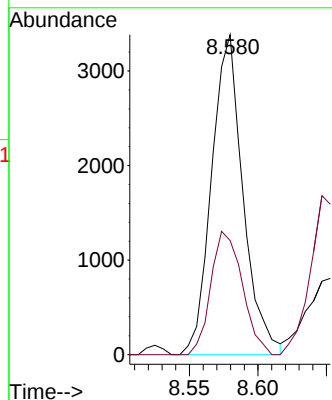
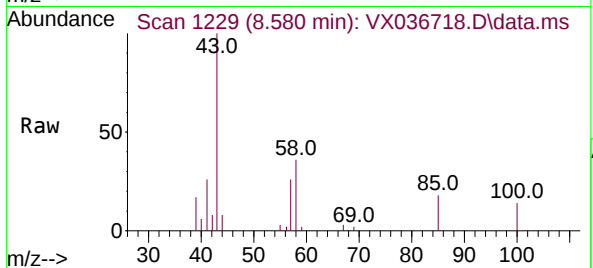
1711

Tgt Ion: 43 Resp: 5391

Ion Ratio Lower Upper

43 100

58 38.6 30.4 45.6



#52

Toluene

Concen: 975.448 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX036718.D

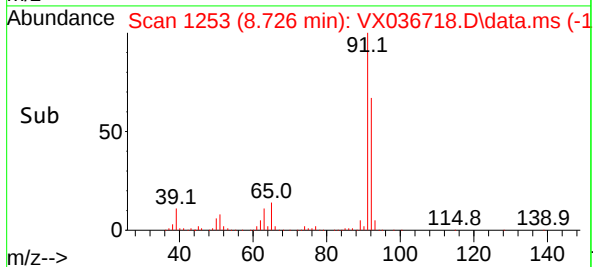
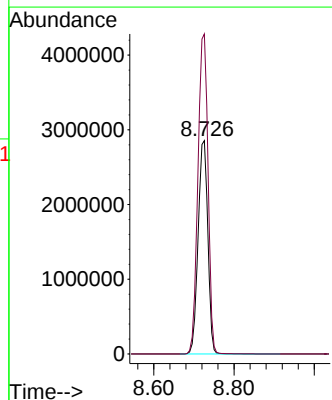
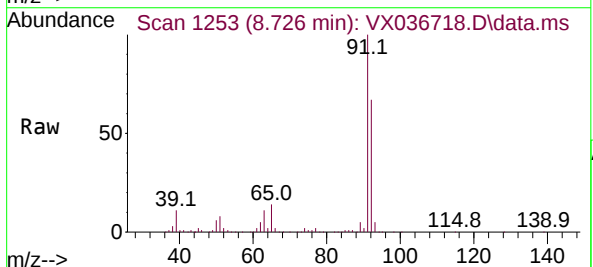
Acq: 31 Jul 2023 14:23

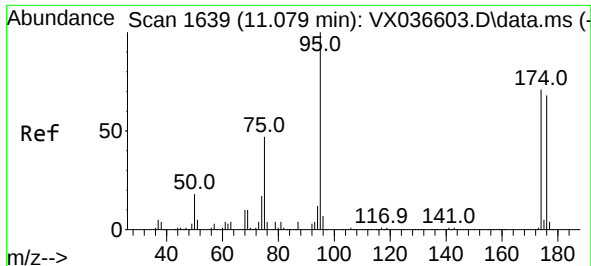
Tgt Ion: 92 Resp: 4794984

Ion Ratio Lower Upper

92 100

91 156.2 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 49.135 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

1711

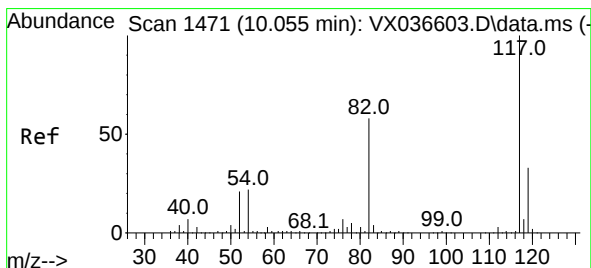
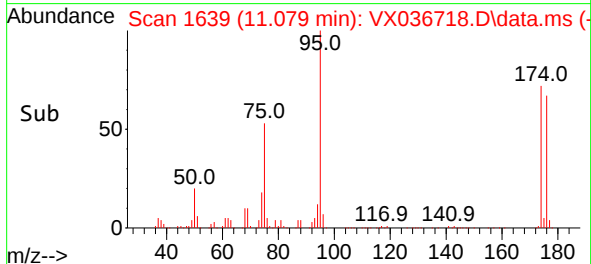
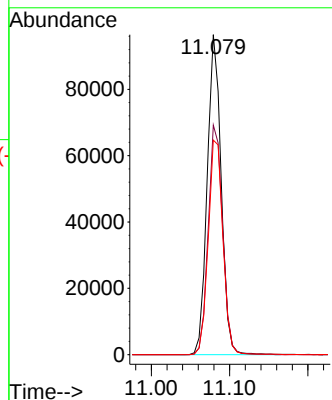
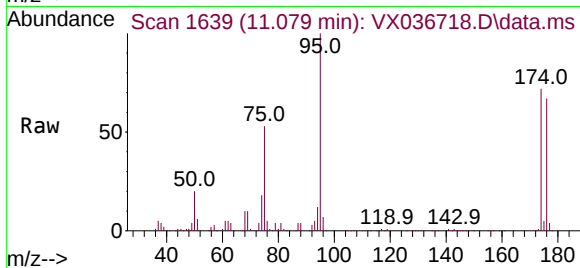
Tgt Ion: 95 Resp: 118928

Ion Ratio Lower Upper

95 100

174 74.3 0.0 135.6

176 70.8 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

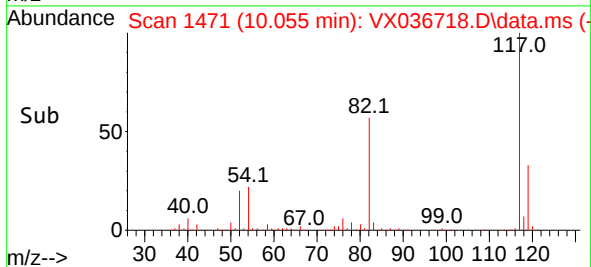
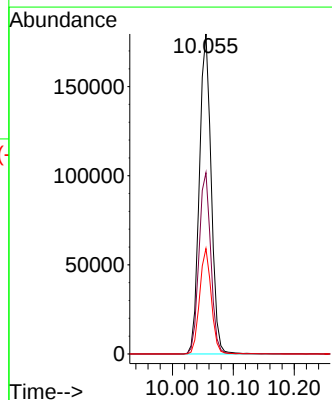
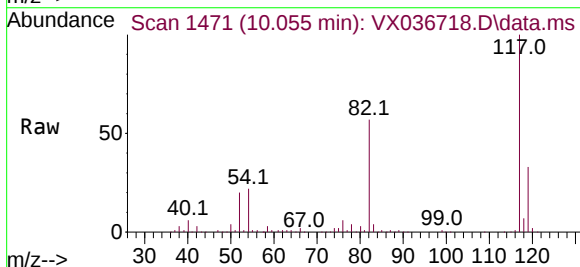
Tgt Ion: 117 Resp: 242099

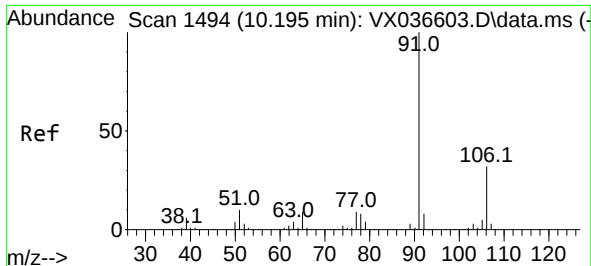
Ion Ratio Lower Upper

117 100

82 56.7 46.2 69.4

119 33.0 25.5 38.3

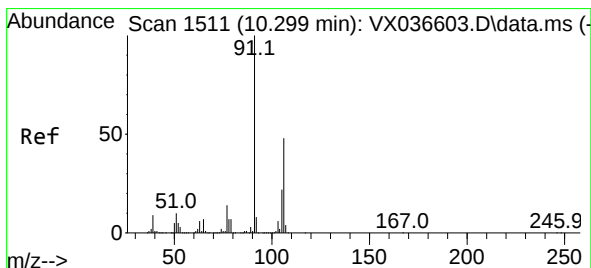
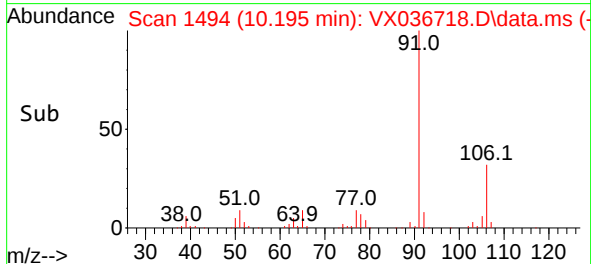
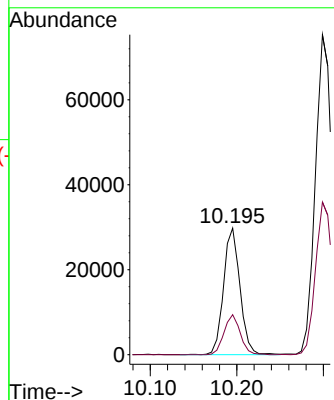
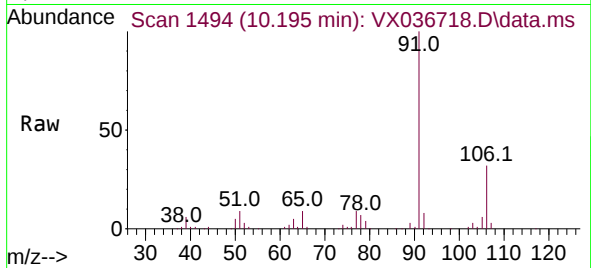




#67
Ethyl Benzene
Concen: 4.025 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

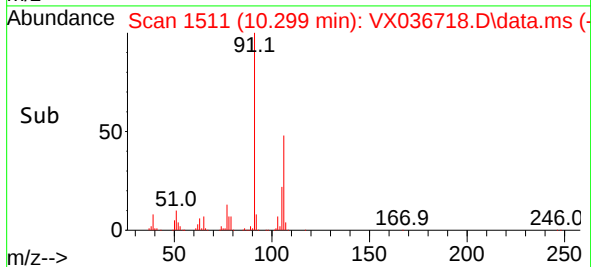
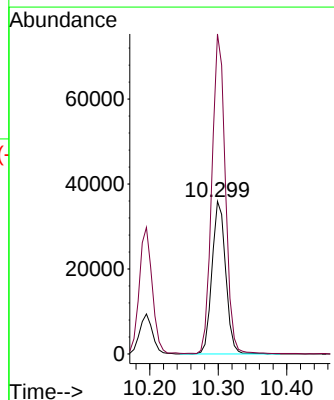
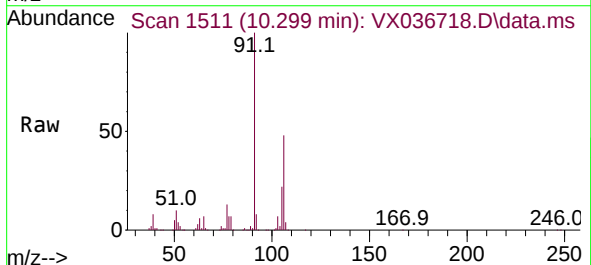
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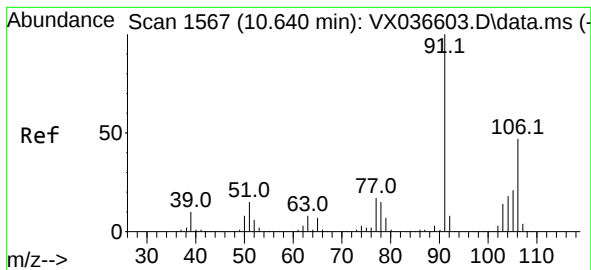
Tgt Ion: 91 Resp: 39243
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3



#68
m/p-Xylenes
Concen: 13.726 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

Tgt Ion: 106 Resp: 49928
Ion Ratio Lower Upper
106 100
91 206.3 165.5 248.3





#69

o-Xylene

Concen: 4.661 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

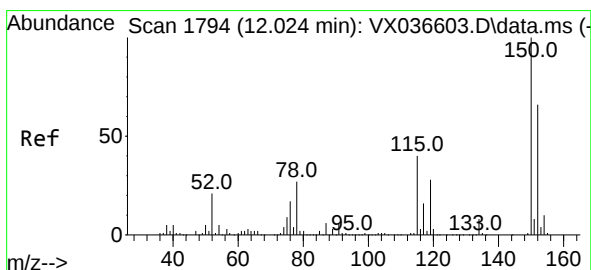
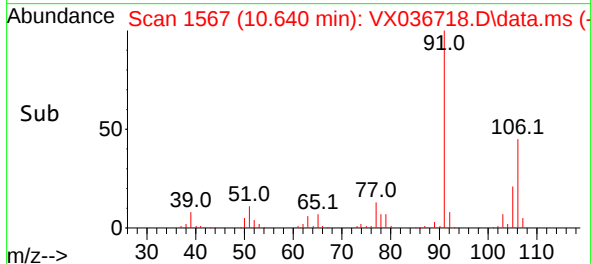
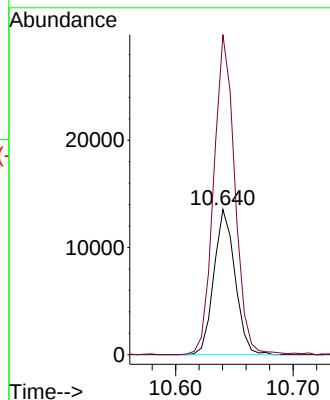
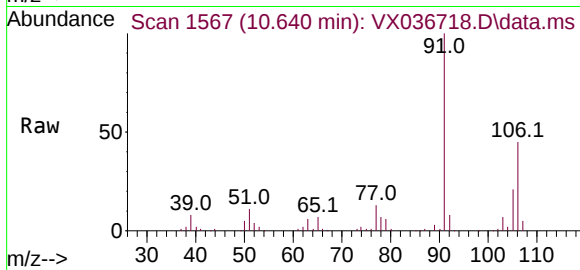
1711

Tgt Ion:106 Resp: 16924

Ion Ratio Lower Upper

106 100

91 220.5 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

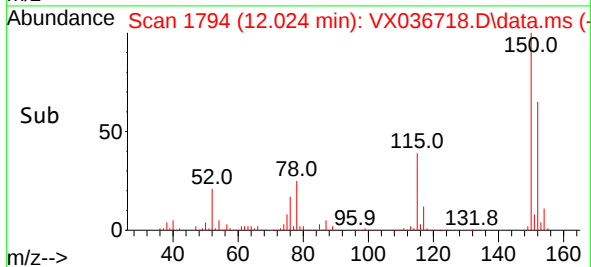
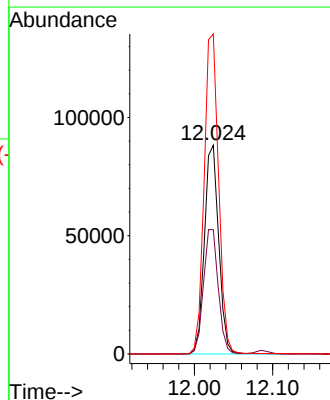
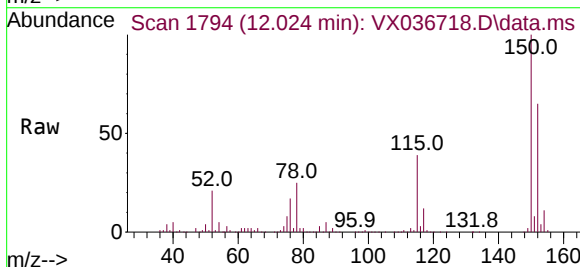
Tgt Ion:152 Resp: 111680

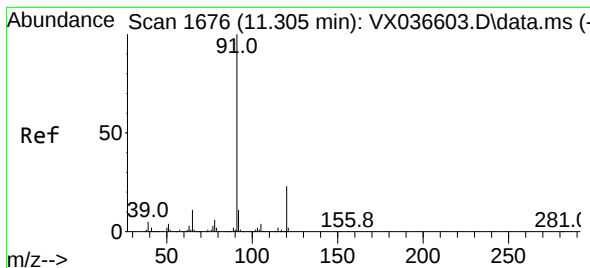
Ion Ratio Lower Upper

152 100

115 61.6 43.3 129.9

150 154.6 0.0 345.0





#78

n-propylbenzene

Concen: 0.242 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

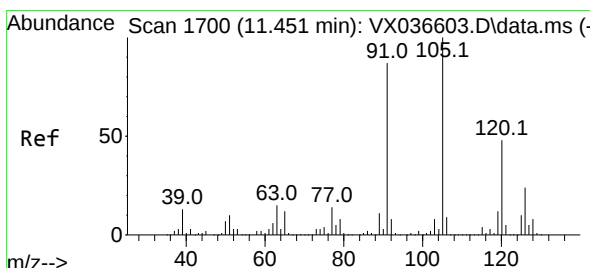
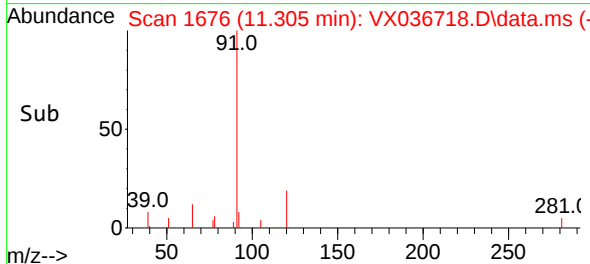
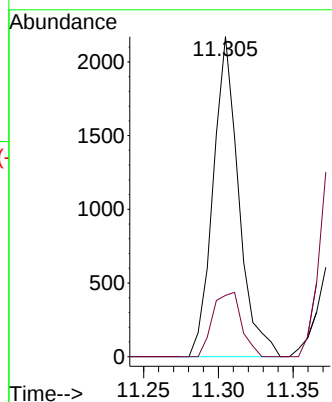
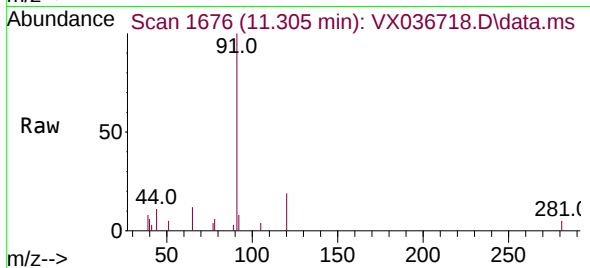
1711

Tgt Ion: 91 Resp: 2583

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 0.708 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX036718.D

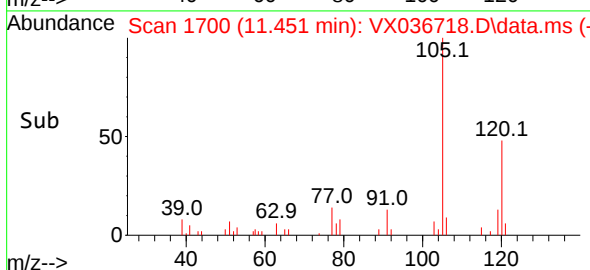
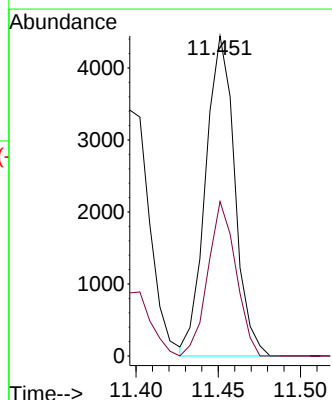
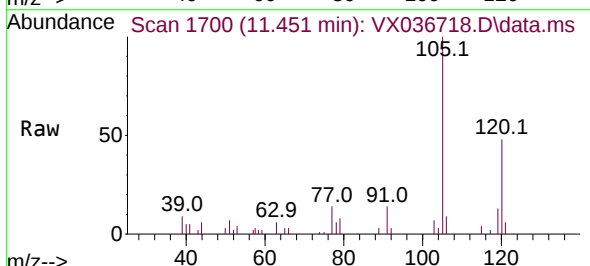
Acq: 31 Jul 2023 14:23

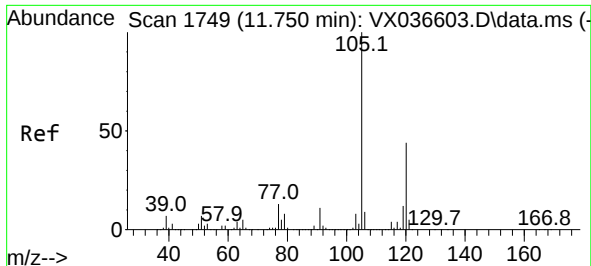
Tgt Ion: 105 Resp: 5475

Ion Ratio Lower Upper

105 100

120 46.3 24.1 72.3

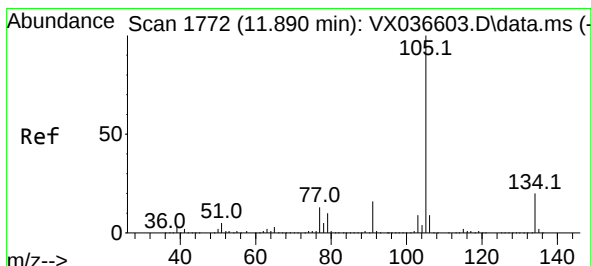
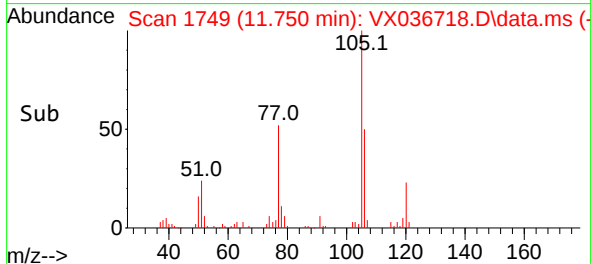
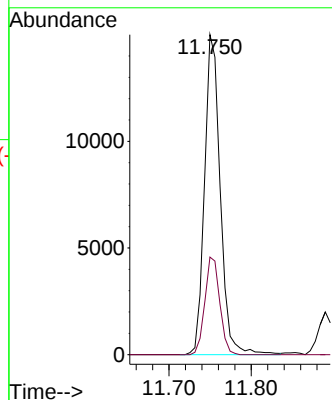
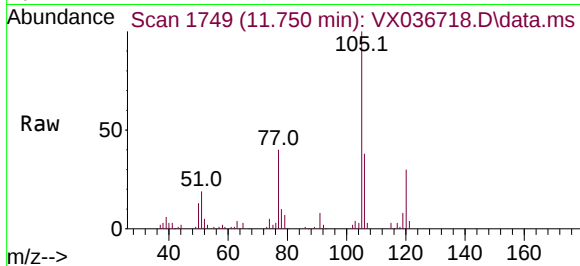




#84
1,2,4-Trimethylbenzene
Concen: 2.580 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

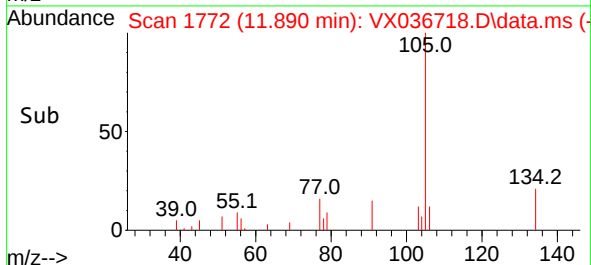
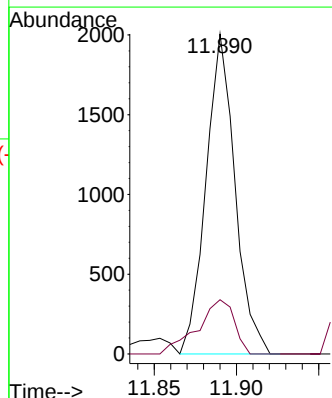
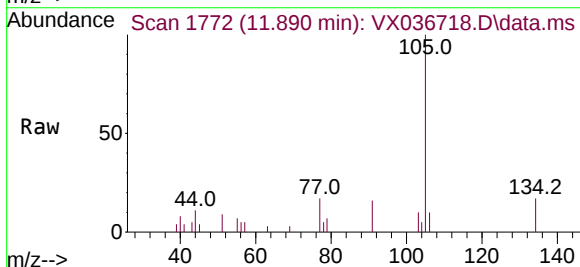
Instrument :
MSVOA_X
ClientSampleId :
1711

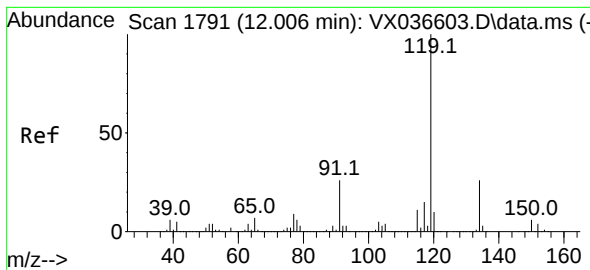
Tgt Ion:105 Resp: 19950
Ion Ratio Lower Upper
105 100
120 28.8 21.2 63.6



#85
sec-Butylbenzene
Concen: 0.260 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX036718.D
Acq: 31 Jul 2023 14:23

Tgt Ion:105 Resp: 2461
Ion Ratio Lower Upper
105 100
134 21.4 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.248 ug/l

RT: 11.969 min Scan# 1711

Delta R.T. -0.037 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

1711

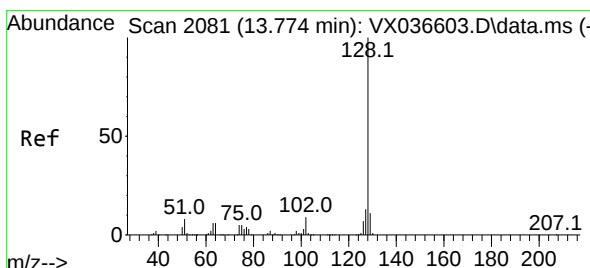
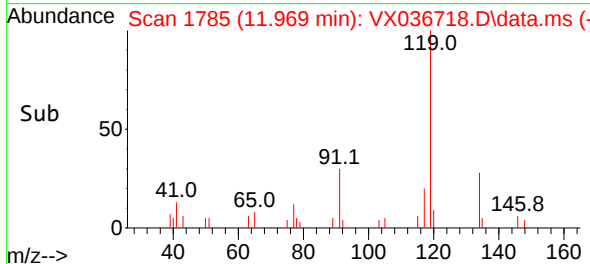
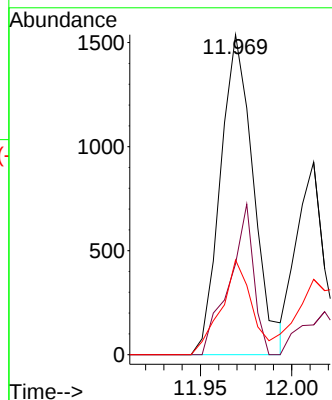
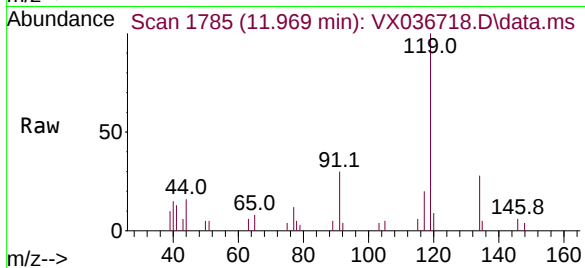
Tgt Ion:119 Resp: 1936

Ion Ratio Lower Upper

119 100

134 34.5 12.8 38.3

91 27.5 13.1 39.3



#95

Napthalene

Concen: 1.220 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX036718.D

Acq: 31 Jul 2023 14:23

Tgt Ion:128 Resp: 9850

Ion Ratio Lower Upper

128 100

127 15.8 10.3 15.5#

129 23.2 8.8 13.2#

