

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041124\
 Data File : VY017913.D
 Acq On : 11 Apr 2024 16:01
 Operator : SY/MD
 Sample : P2072-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-041024

Quant Time: Apr 12 05:02:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

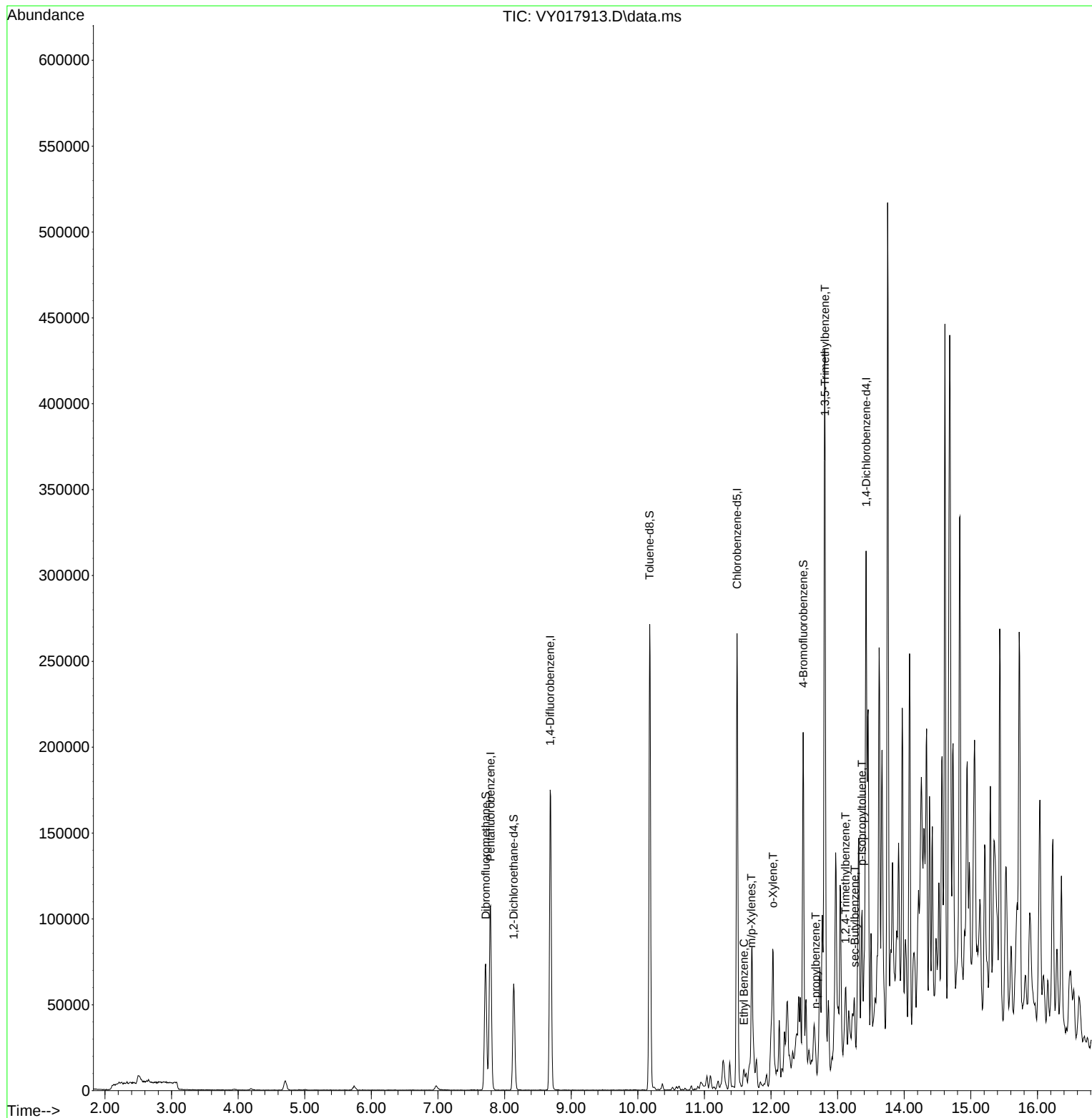
Internal Standards						
1) Pentafluorobenzene	7.789	168	86045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	153133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	140866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	48004	64.471	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.940%	
35) Dibromofluoromethane	7.716	113	51393	58.080	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.160%	
50) Toluene-d8	10.179	98	177706	53.763	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.520%	
62) 4-Bromofluorobenzene	12.483	95	53259	52.959	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.920%	
Target Compounds						
					Qvalue	
67) Ethyl Benzene	11.593	91	6673	1.343	ug/l	96
68) m/p-Xylenes	11.703	106	3559	1.889	ug/l	100
69) o-Xylene	12.032	106	18018	11.563	ug/l	98
78) n-propylbenzene	12.672	91	8173	1.619	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	54626	16.917	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	18389	5.718	ug/l	99
85) sec-Butylbenzene	13.258	105	9612	2.181	ug/l	87
86) p-Isopropyltoluene	13.367	119	13685	3.716	ug/l	98

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 05:58:13 2024
Response via : Initial Calibration

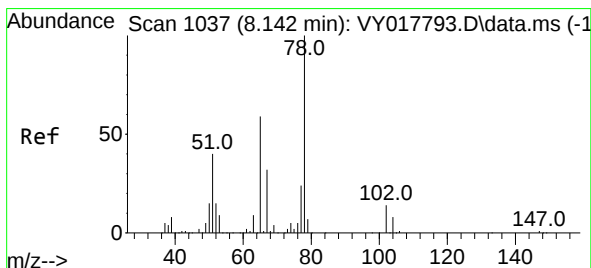
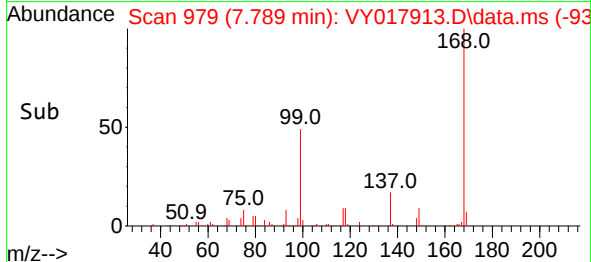
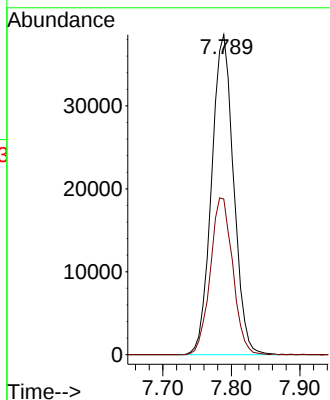
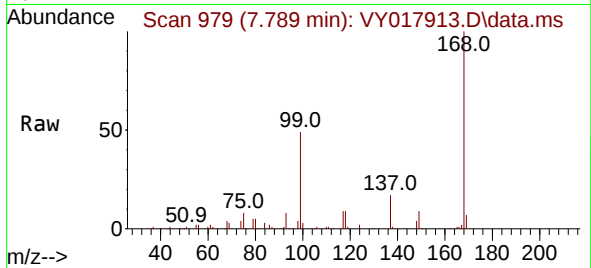




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017913.D
Acq: 11 Apr 2024 16:01

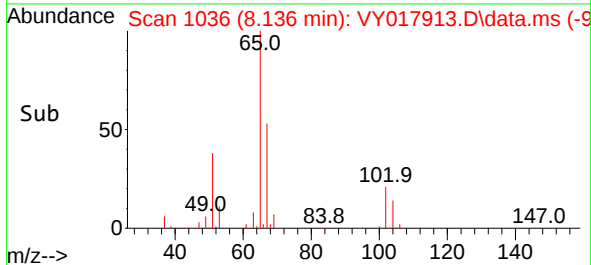
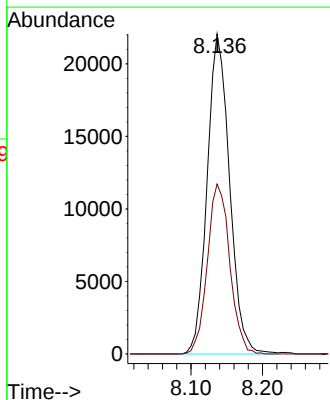
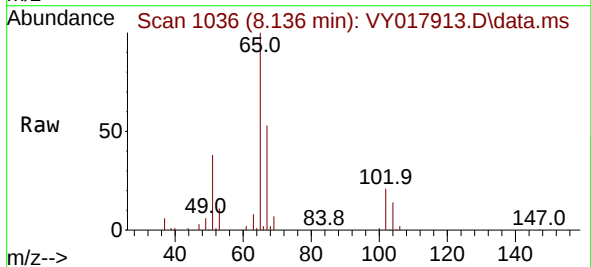
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-041024

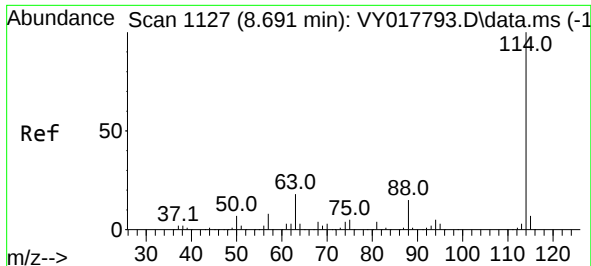
Tgt Ion:168 Resp: 86045
Ion Ratio Lower Upper
168 100
99 48.7 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 64.471 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY017913.D
Acq: 11 Apr 2024 16:01

Tgt Ion: 65 Resp: 48004
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY017913.D

Acq: 11 Apr 2024 16:01

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-041024

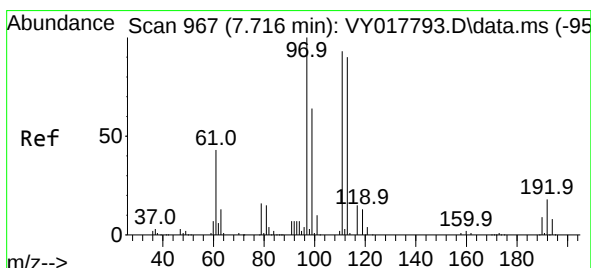
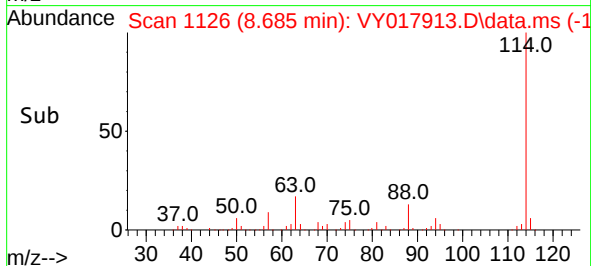
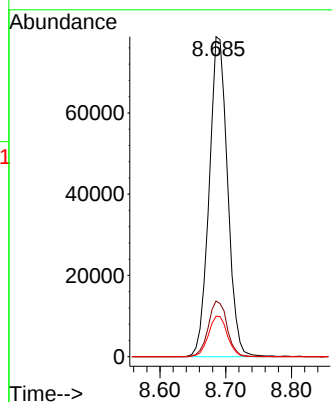
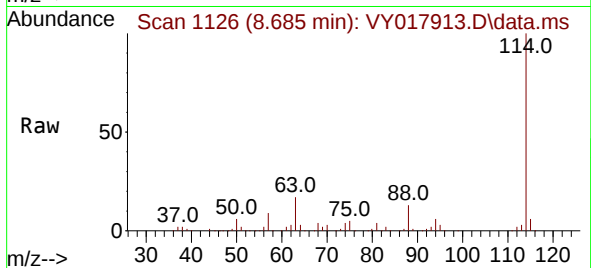
Tgt Ion:114 Resp: 153133

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 12.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 58.080 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY017913.D

Acq: 11 Apr 2024 16:01

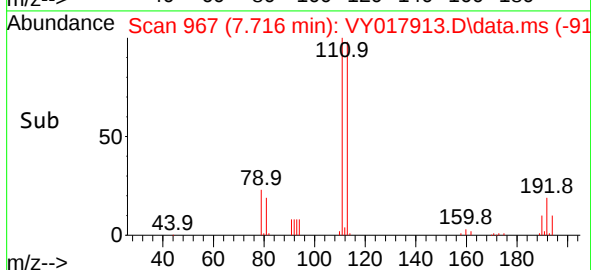
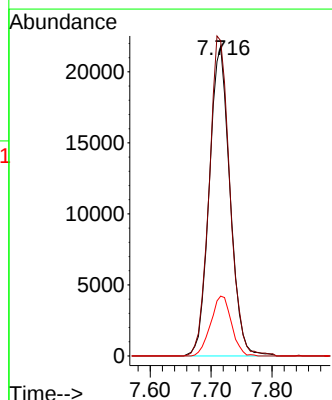
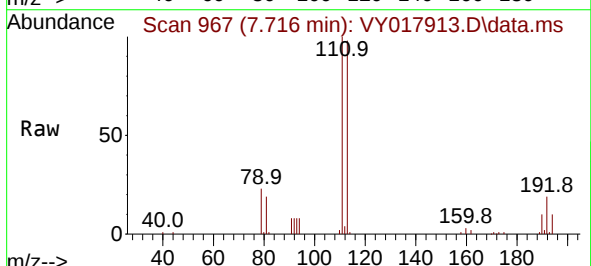
Tgt Ion:113 Resp: 51393

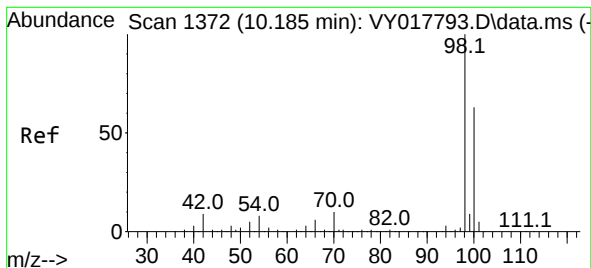
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 19.4 15.9 23.9





#50

Toluene-d8

Concen: 53.763 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017913.D

Acq: 11 Apr 2024 16:01

Instrument :

MSVOA_Y

ClientSampleId :

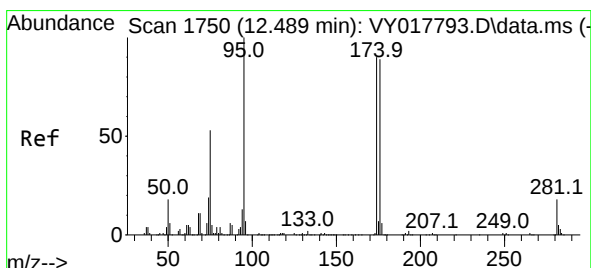
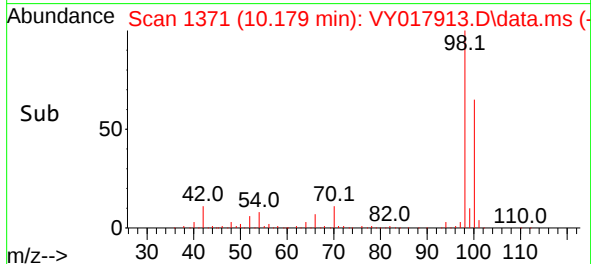
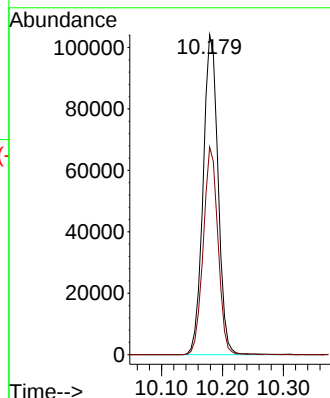
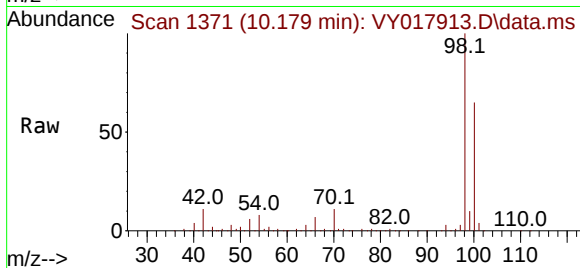
HR-02-041024

Tgt Ion: 98 Resp: 177706

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 52.959 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY017913.D

Acq: 11 Apr 2024 16:01

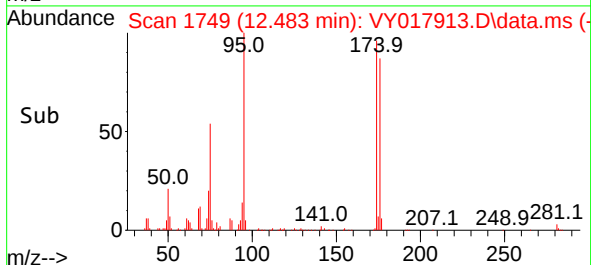
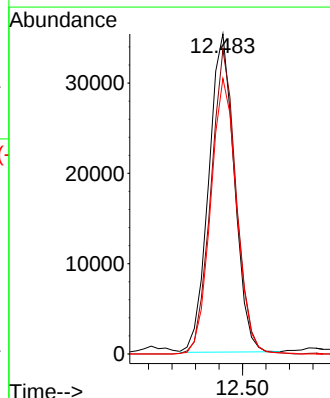
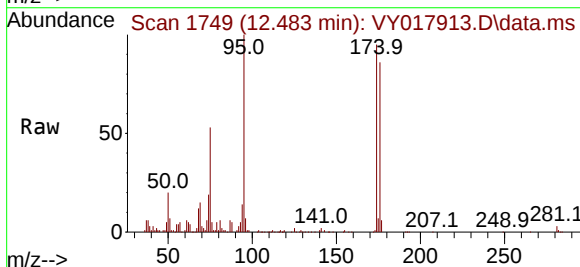
Tgt Ion: 95 Resp: 53259

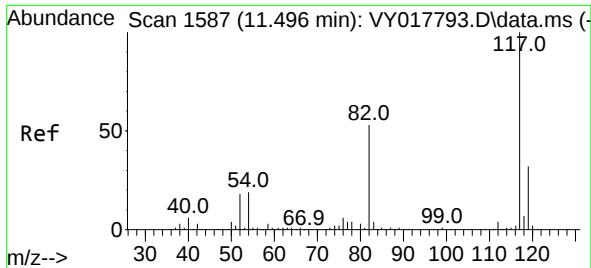
Ion Ratio Lower Upper

95 100

174 94.7 0.0 175.6

176 88.1 0.0 171.4

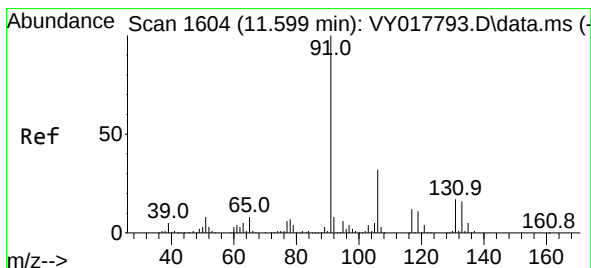
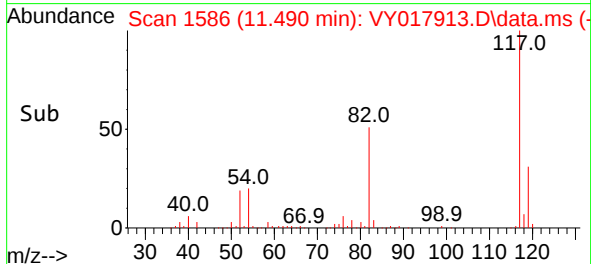
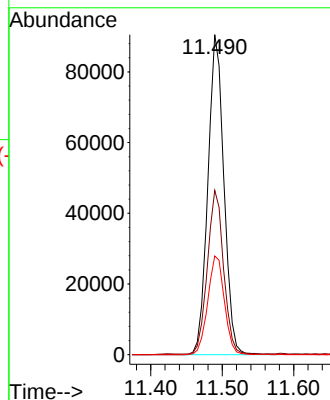
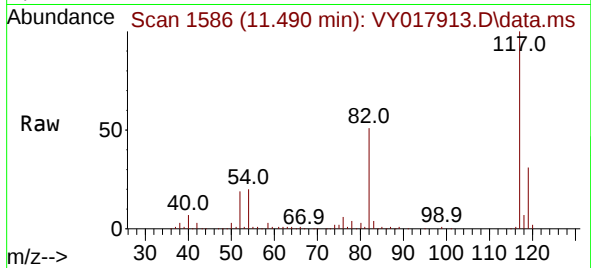




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017913.D
Acq: 11 Apr 2024 16:01

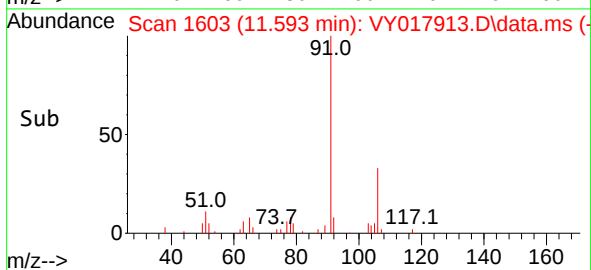
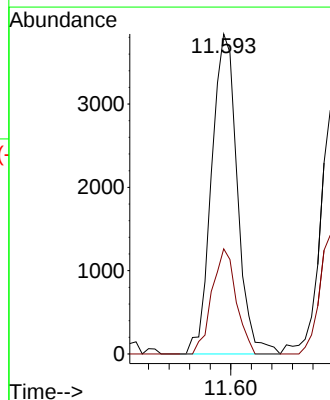
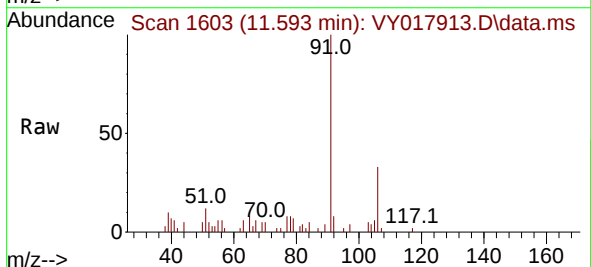
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-041024

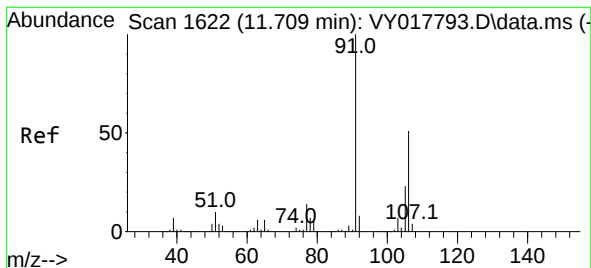
Tgt Ion:117 Resp: 140866
Ion Ratio Lower Upper
117 100
82 51.1 42.4 63.6
119 30.9 25.9 38.9



#67
Ethyl Benzene
Concen: 1.343 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY017913.D
Acq: 11 Apr 2024 16:01

Tgt Ion: 91 Resp: 6673
Ion Ratio Lower Upper
91 100
106 32.9 24.5 36.7





#68

m/p-Xylenes

Concen: 1.889 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY017913.D

Acq: 11 Apr 2024 16:01

Instrument :

MSVOA_Y

ClientSampleId :

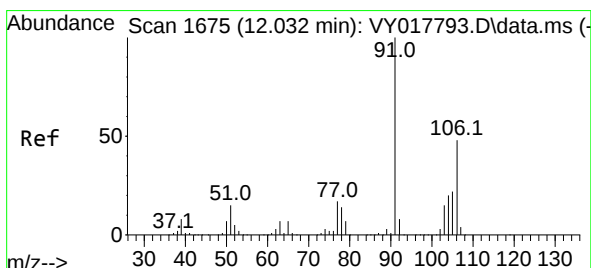
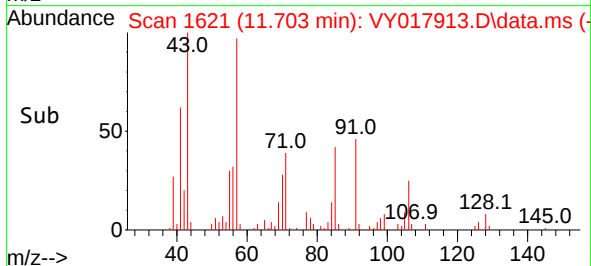
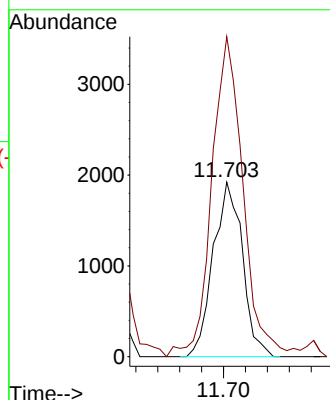
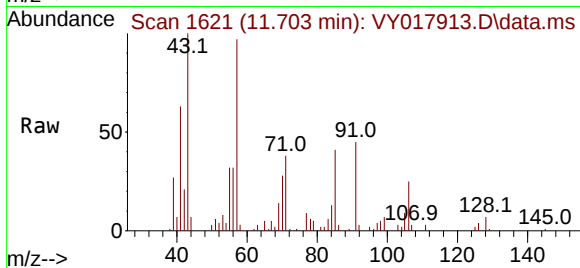
HR-02-041024

Tgt Ion:106 Resp: 3559

Ion Ratio Lower Upper

106 100

91 194.8 156.0 234.0



#69

o-Xylene

Concen: 11.563 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VY017913.D

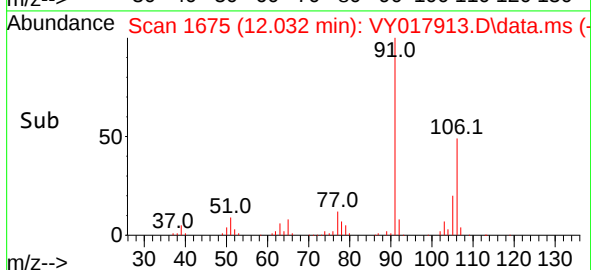
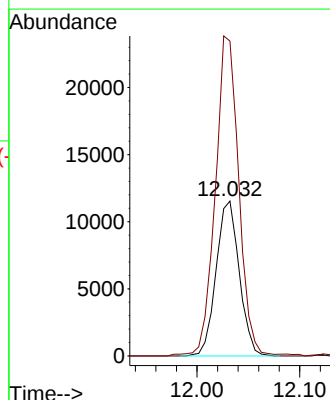
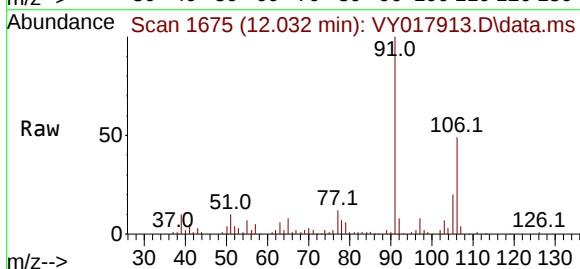
Acq: 11 Apr 2024 16:01

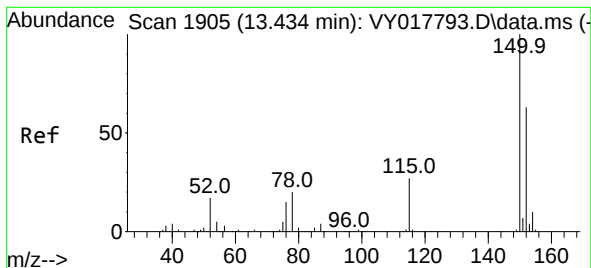
Tgt Ion:106 Resp: 18018

Ion Ratio Lower Upper

106 100

91 210.3 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017913.D

Acq: 11 Apr 2024 16:01

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-041024

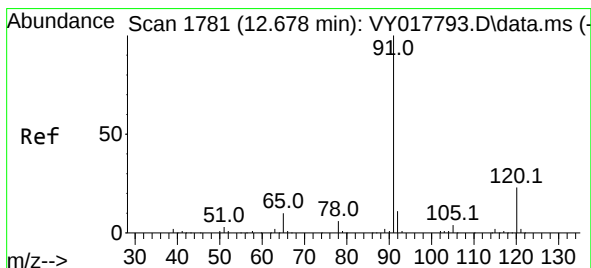
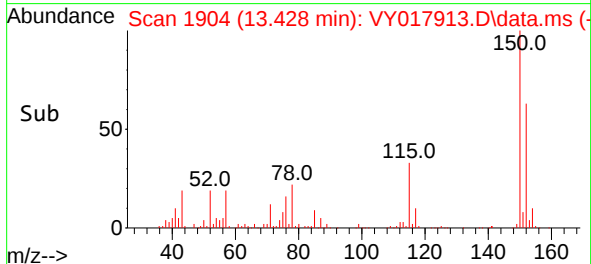
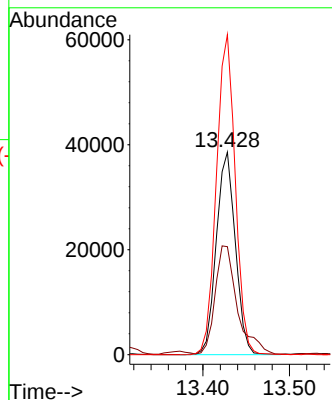
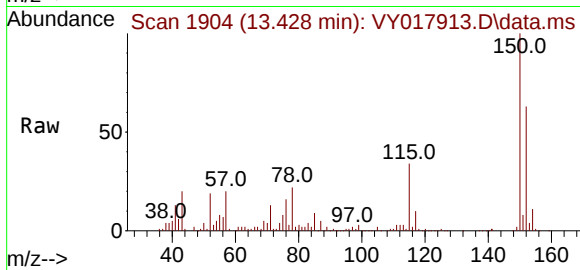
Tgt Ion:152 Resp: 59041

Ion Ratio Lower Upper

152 100

115 62.4 28.2 84.7

150 156.0 0.0 345.6



#78

n-propylbenzene

Concen: 1.619 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.006 min

Lab File: VY017913.D

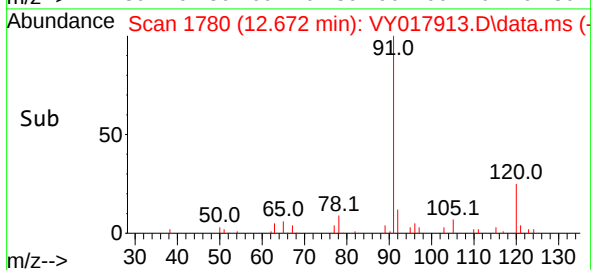
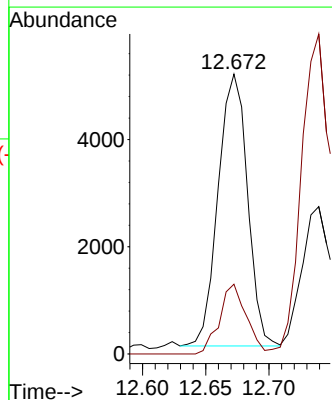
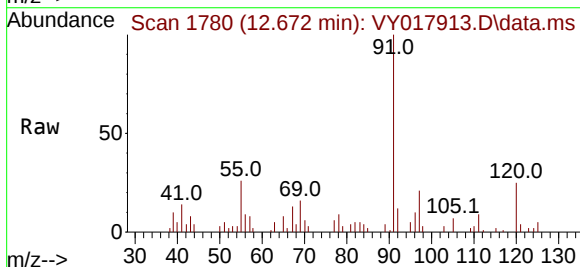
Acq: 11 Apr 2024 16:01

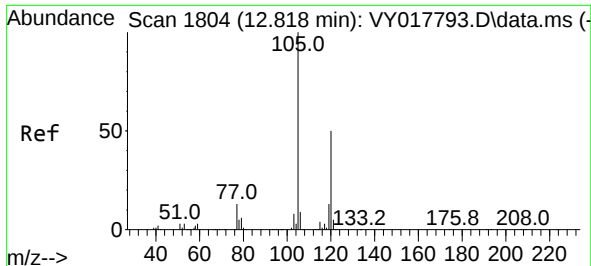
Tgt Ion: 91 Resp: 8173

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.4

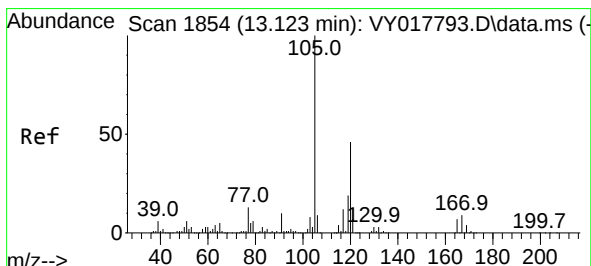
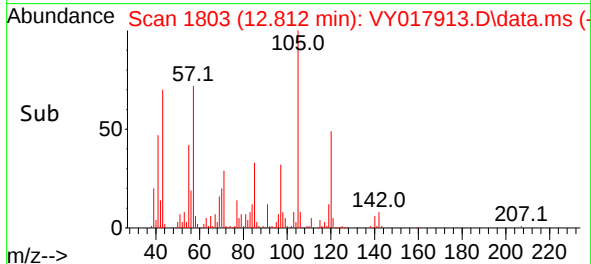
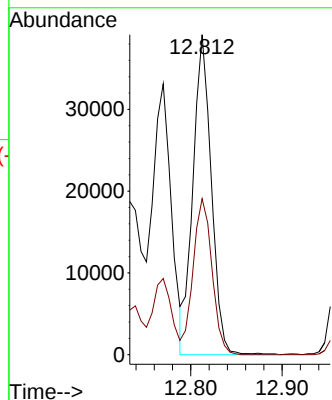
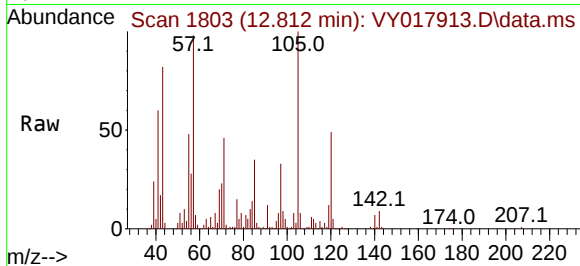




#80
1,3,5-Trimethylbenzene
Concen: 16.917 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY017913.D
Acq: 11 Apr 2024 16:01

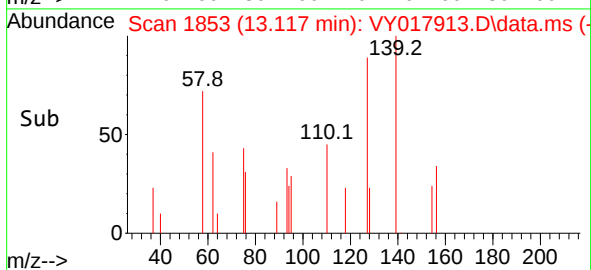
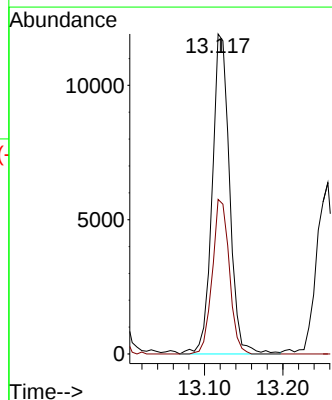
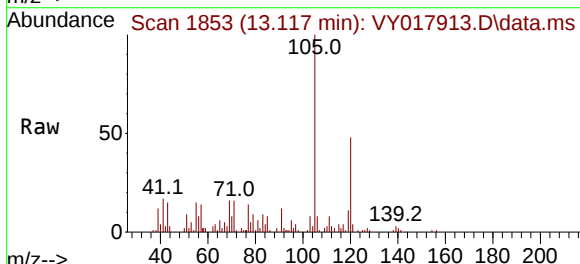
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-041024

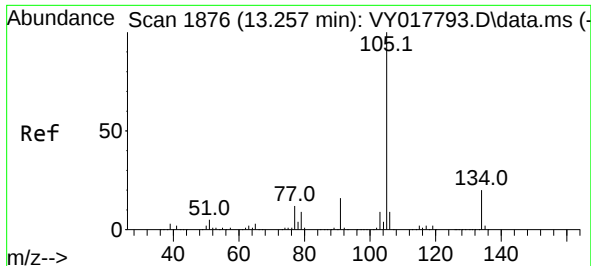
Tgt Ion:105 Resp: 54626
Ion Ratio Lower Upper
105 100
120 50.3 25.1 75.2



#84
1,2,4-Trimethylbenzene
Concen: 5.718 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY017913.D
Acq: 11 Apr 2024 16:01

Tgt Ion:105 Resp: 18389
Ion Ratio Lower Upper
105 100
120 47.0 23.2 69.6

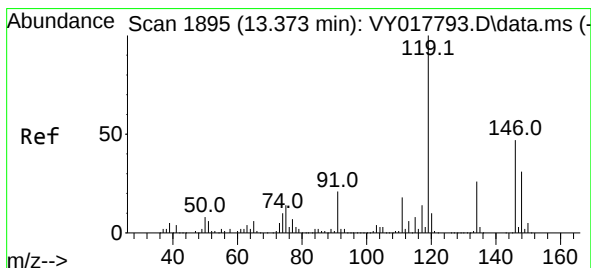
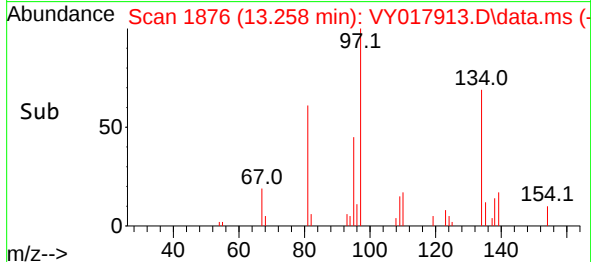
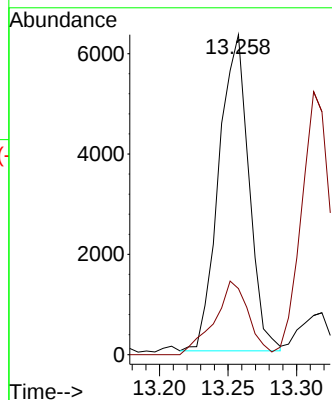
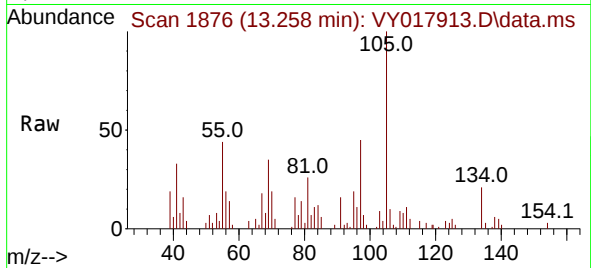




#85
 sec-Butylbenzene
 Concen: 2.181 ug/l
 RT: 13.258 min Scan# 1876
 Delta R.T. 0.000 min
 Lab File: VY017913.D
 Acq: 11 Apr 2024 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-041024

Tgt Ion:105 Resp: 9612
 Ion Ratio Lower Upper
 105 100
 134 26.2 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 3.716 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.006 min
 Lab File: VY017913.D
 Acq: 11 Apr 2024 16:01

Tgt Ion:119 Resp: 13685
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.1 39.3
 91 21.5 10.7 32.1

