

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
 Data File : VY014724.D
 Acq On : 20 Jul 2023 16:28
 Operator : SY/MD
 Sample : 03674-01
 Misc : 6.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-7

Quant Time: Jul 21 01:32:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

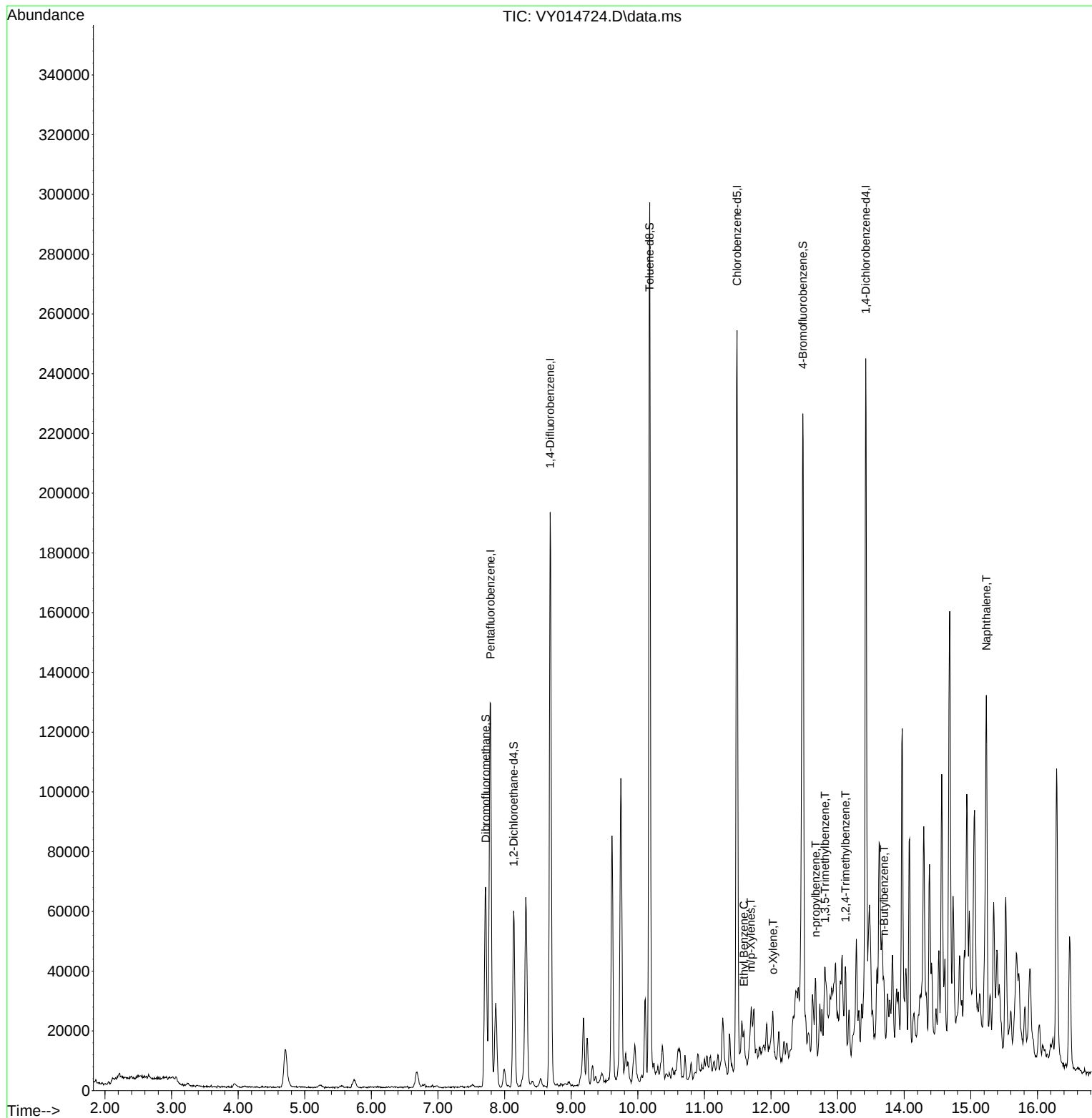
Internal Standards						
1) Pentafluorobenzene	7.789	168	100604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	160361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	131307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	58071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	47314	41.271	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.540%
35) Dibromofluoromethane	7.716	113	47436	46.469	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.940%
50) Toluene-d8	10.179	98	184067	48.908	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.477	95	59608	41.306	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.620%
Target Compounds						
					Qvalue	
67) Ethyl Benzene	11.593	91	6431	1.273	ug/l	97
68) m/p-Xylenes	11.697	106	4357	2.259	ug/l	94
69) o-Xylene	12.032	106	4069	2.166	ug/l	89
78) n-propylbenzene	12.672	91	17873	3.262	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	6887	1.814	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	13365	3.586	ug/l	97
89) n-Butylbenzene	13.696	91	11035	2.811	ug/l #	82
95) Naphthalene	15.233	128	82713	30.219	ug/l	98

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

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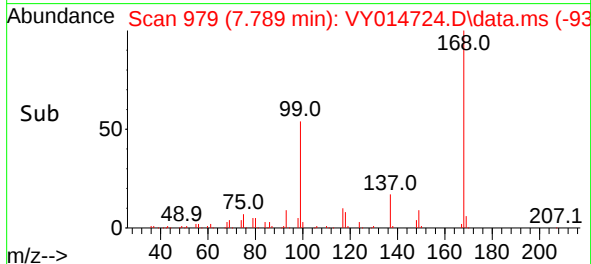
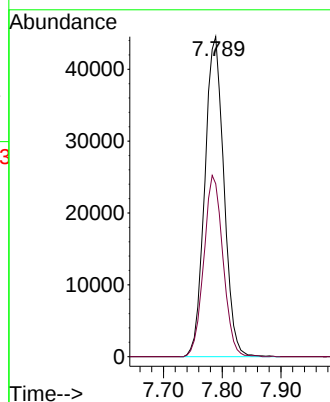
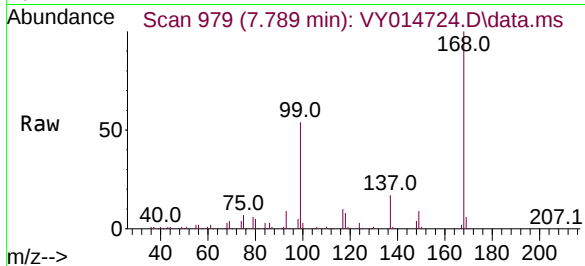




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014724.D
Acq: 20 Jul 2023 16:28

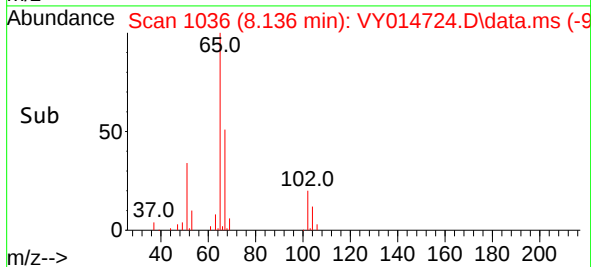
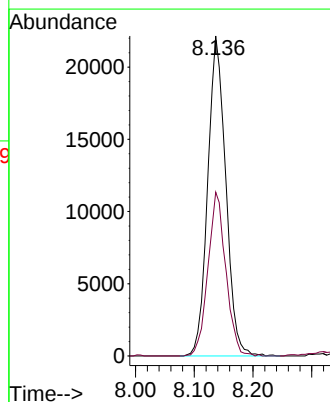
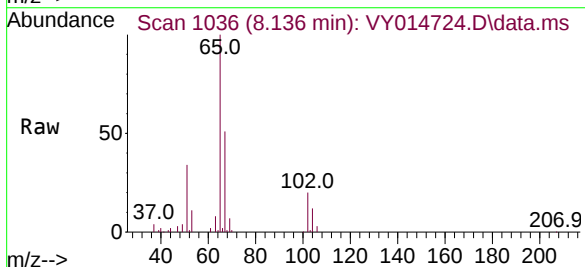
Instrument :
MSVOA_Y
ClientSampleId :
WO-7

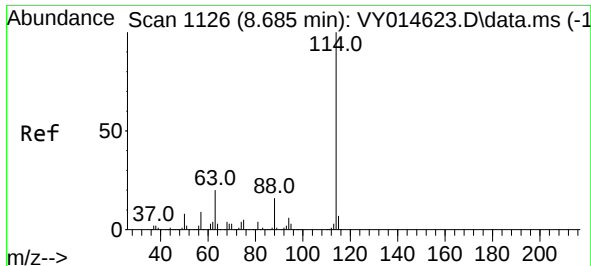
Tgt Ion:168 Resp: 100604
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 41.271 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014724.D
Acq: 20 Jul 2023 16:28

Tgt Ion: 65 Resp: 47314
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.8

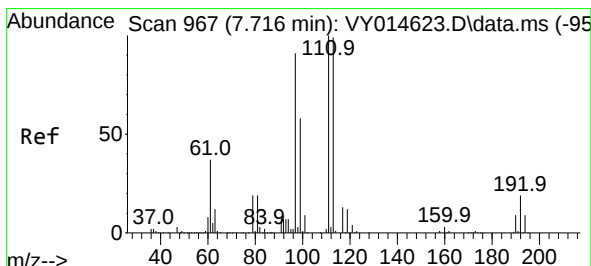
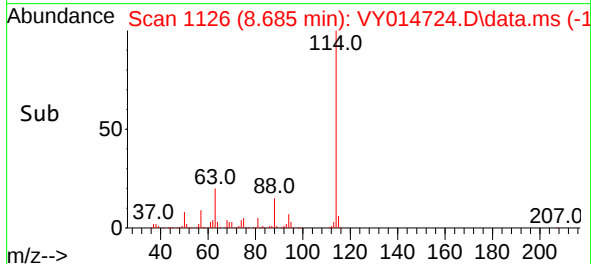
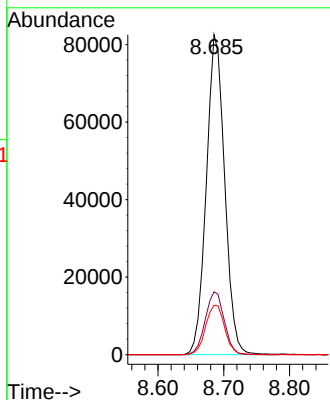
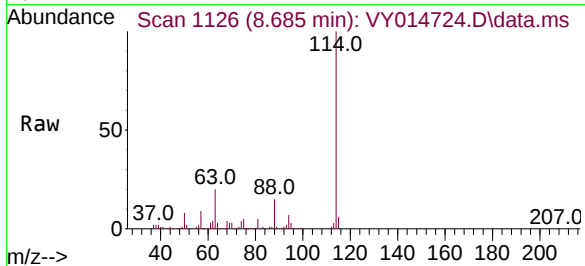




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014724.D
Acq: 20 Jul 2023 16:28

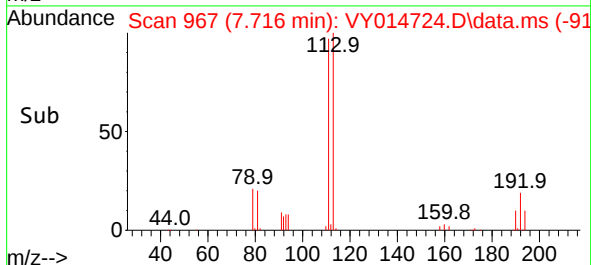
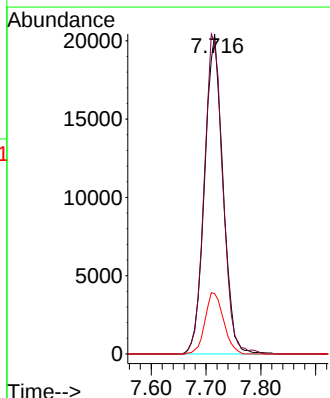
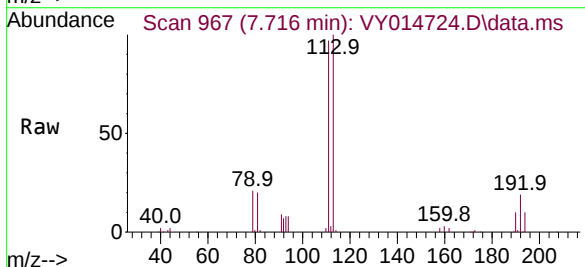
Instrument :
MSVOA_Y
ClientSampleId :
WO-7

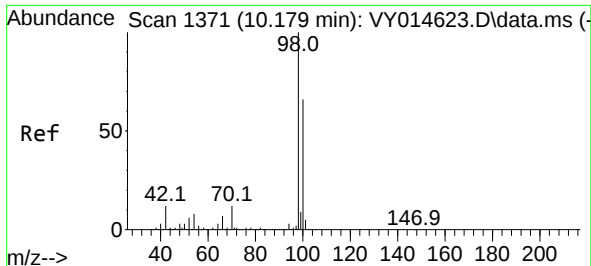
Tgt Ion:	114	Resp:	160361
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	42.4
88	15.4	0.0	30.6



#35
Dibromofluoromethane
Concen: 46.469 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014724.D
Acq: 20 Jul 2023 16:28

Tgt Ion:	113	Resp:	47436
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.3	121.9
192	19.4	16.9	25.3

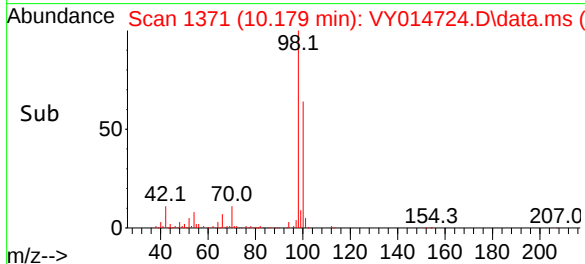
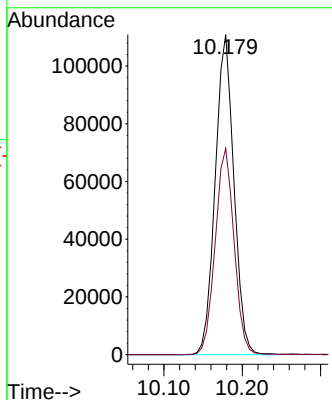
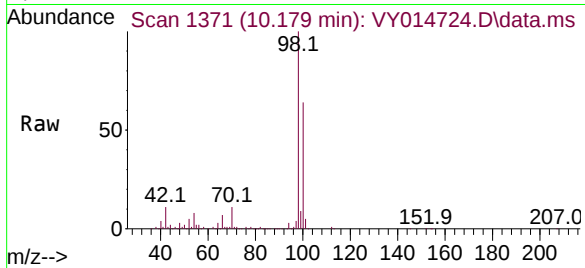




#50
Toluene-d8
Concen: 48.908 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014724.D
Acq: 20 Jul 2023 16:28

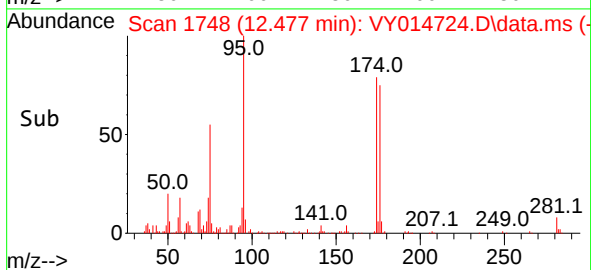
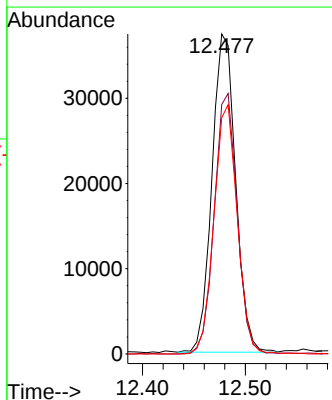
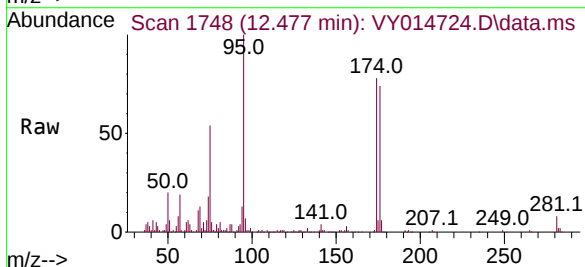
Instrument :
MSVOA_Y
ClientSampleId :
WO-7

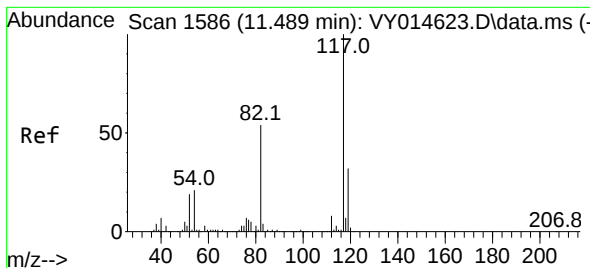
Tgt Ion: 98 Resp: 184067
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 41.306 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014724.D
Acq: 20 Jul 2023 16:28

Tgt Ion: 95 Resp: 59608
Ion Ratio Lower Upper
95 100
174 79.1 0.0 178.2
176 77.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014724.D

Acq: 20 Jul 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

WO-7

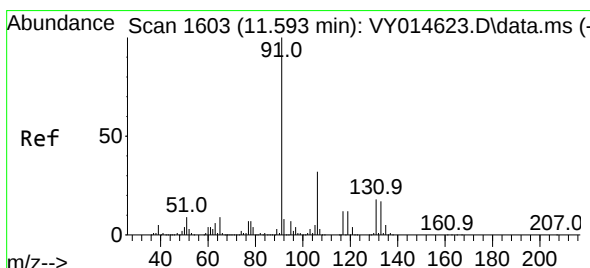
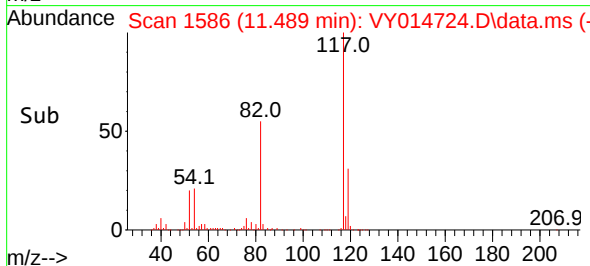
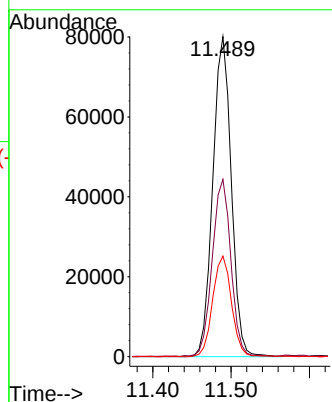
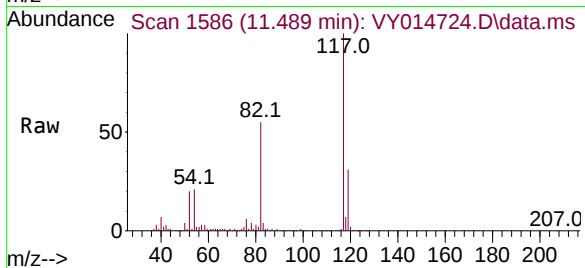
Tgt Ion:117 Resp: 131307

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.0

119 31.4 26.3 39.5



#67

Ethyl Benzene

Concen: 1.273 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY014724.D

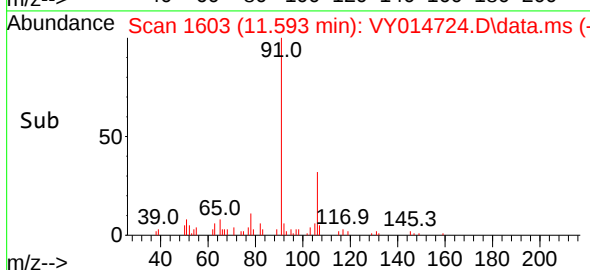
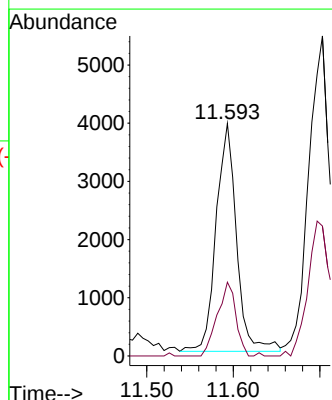
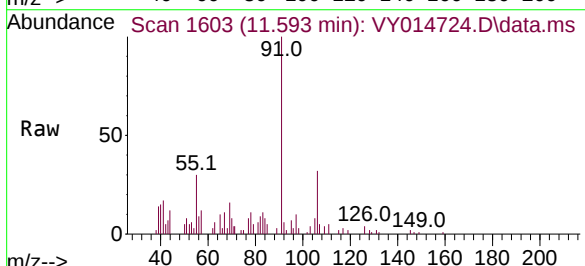
Acq: 20 Jul 2023 16:28

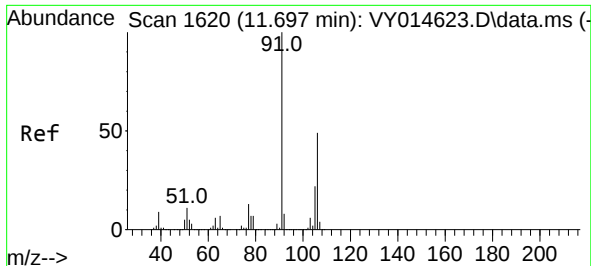
Tgt Ion: 91 Resp: 6431

Ion Ratio Lower Upper

91 100

106 32.4 24.6 36.8

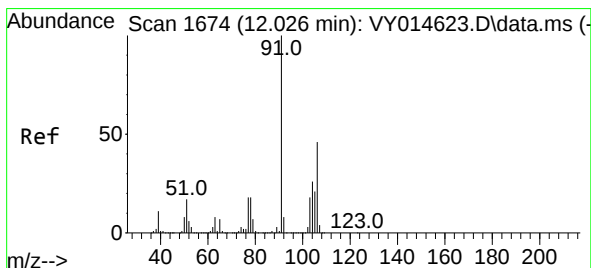
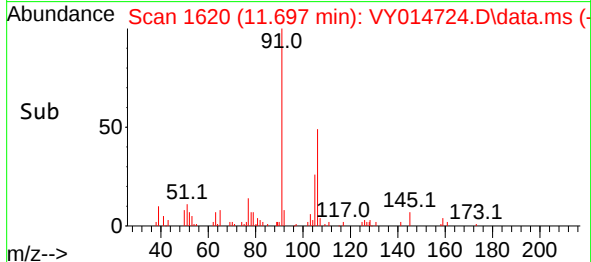
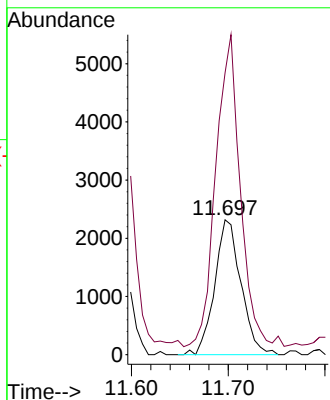
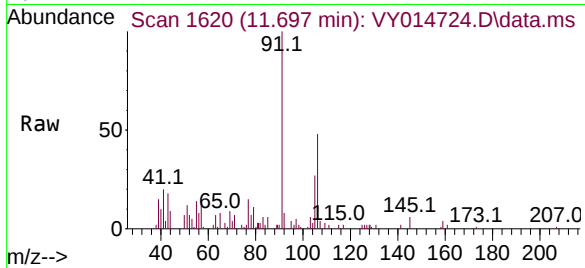




#68
m/p-Xylenes
Concen: 2.259 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY014724.D
Acq: 20 Jul 2023 16:28

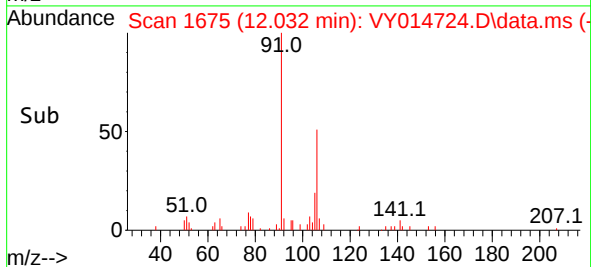
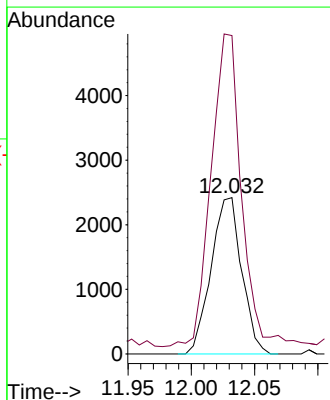
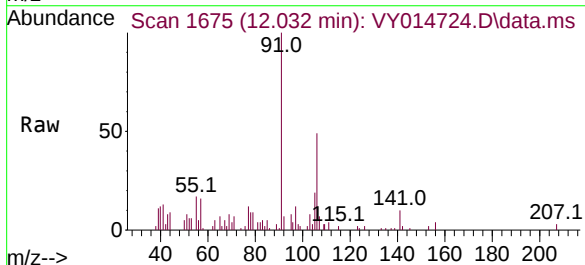
Instrument :
MSVOA_Y
ClientSampleId :
WO-7

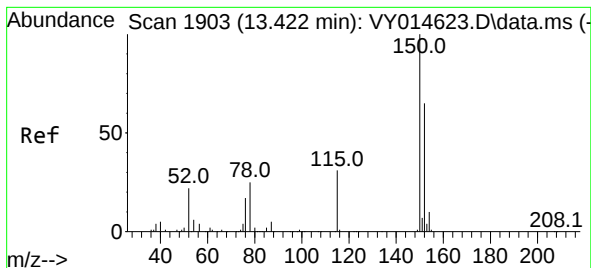
Tgt Ion:106 Resp: 4357
Ion Ratio Lower Upper
106 100
91 216.5 166.1 249.1



#69
o-Xylene
Concen: 2.166 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY014724.D
Acq: 20 Jul 2023 16:28

Tgt Ion:106 Resp: 4069
Ion Ratio Lower Upper
106 100
91 199.5 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014724.D

Acq: 20 Jul 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

WO-7

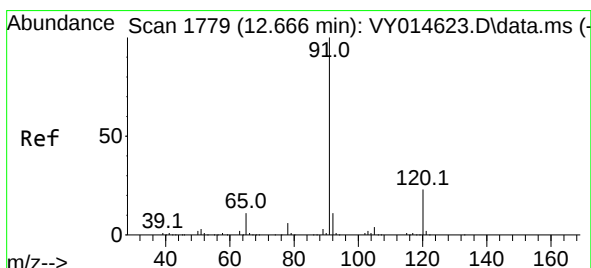
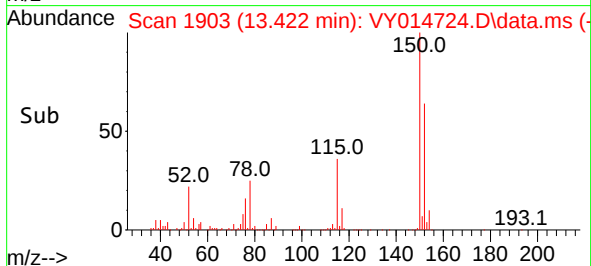
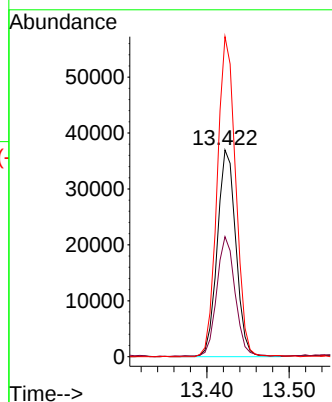
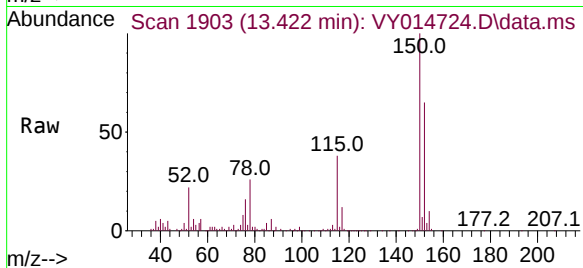
Tgt Ion:152 Resp: 58071

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 153.6 0.0 348.8



#78

n-propylbenzene

Concen: 3.262 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY014724.D

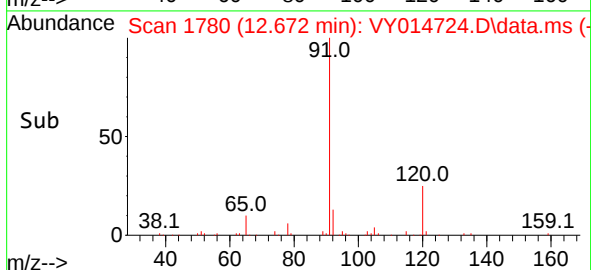
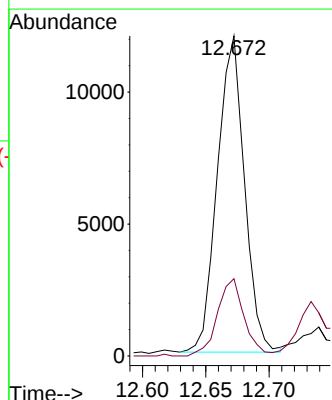
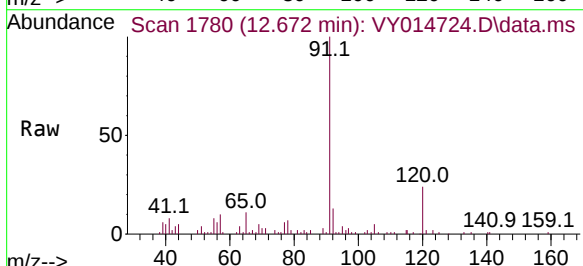
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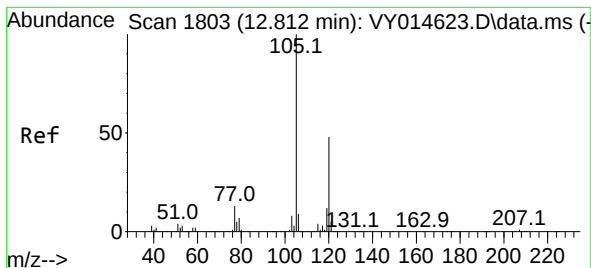
Tgt Ion: 91 Resp: 17873

Ion Ratio Lower Upper

91 100

120 24.1 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1.814 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY014724.D

Acq: 20 Jul 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

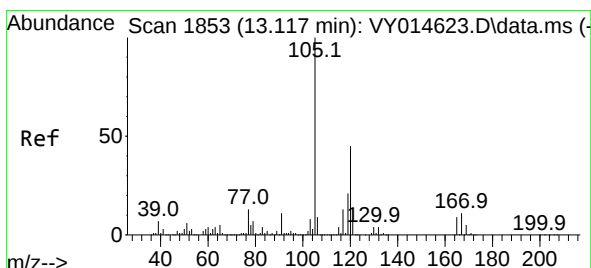
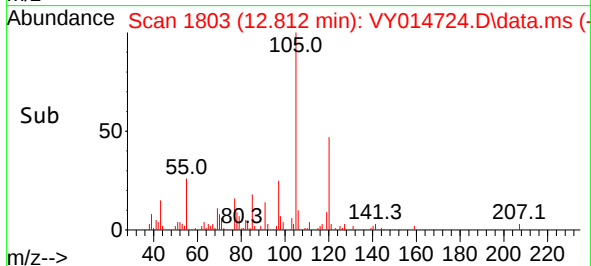
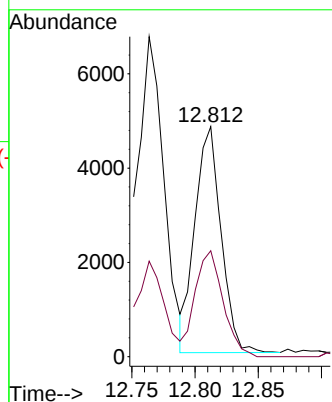
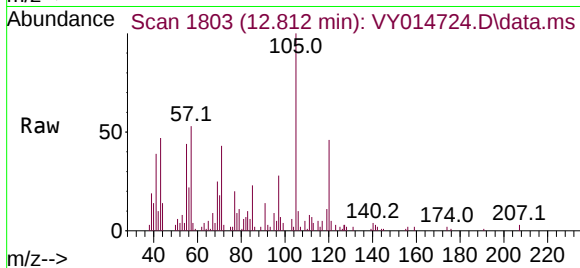
WO-7

Tgt Ion:105 Resp: 6887

Ion Ratio Lower Upper

105 100

120 50.3 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 3.586 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY014724.D

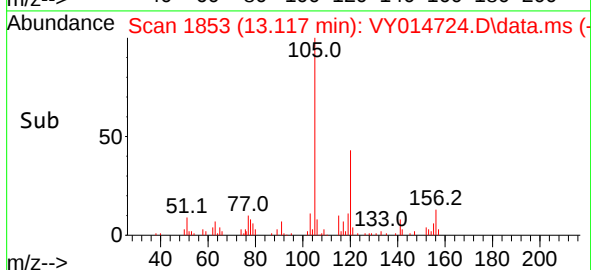
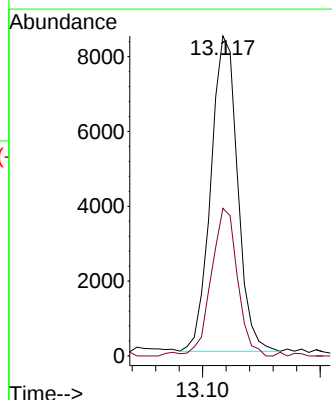
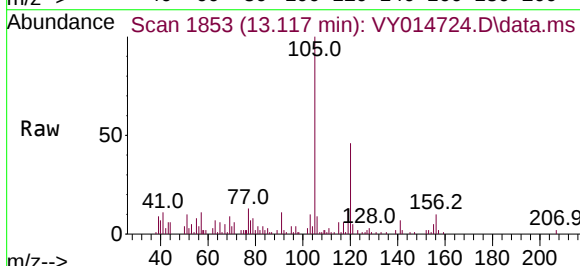
Acq: 20 Jul 2023 16:28

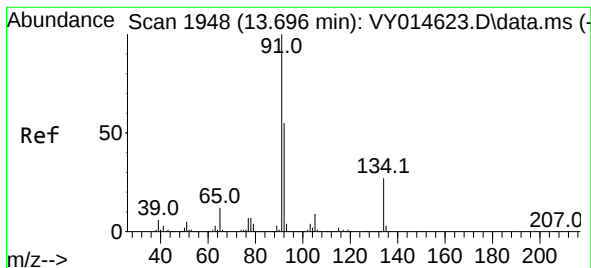
Tgt Ion:105 Resp: 13365

Ion Ratio Lower Upper

105 100

120 46.1 22.2 66.6





#89

n-Butylbenzene

Concen: 2.811 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014724.D

Acq: 20 Jul 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

WO-7

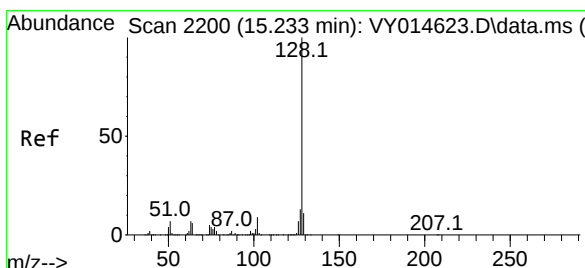
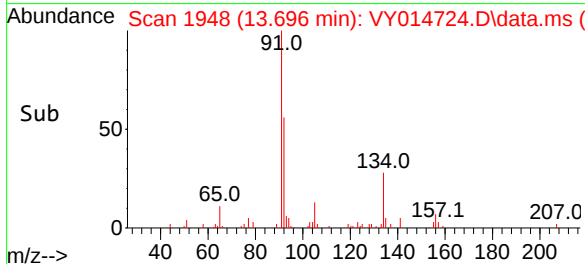
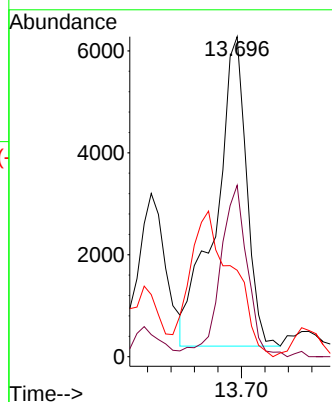
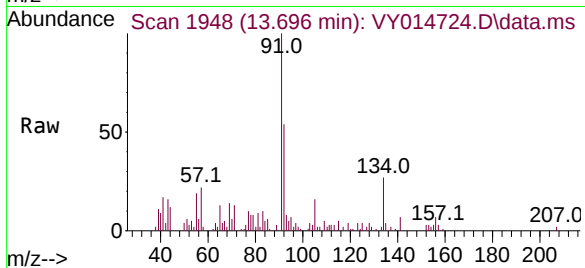
Tgt Ion: 91 Resp: 11035

Ion Ratio Lower Upper

91 100

92 48.9 25.4 76.0

134 0.0 12.6 37.6#



#95

Naphthalene

Concen: 30.219 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY014724.D

Acq: 20 Jul 2023 16:28

Tgt Ion: 128 Resp: 82713

Ion Ratio Lower Upper

128 100

127 14.2 10.8 16.2

129 11.3 8.6 13.0

