

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015766.D
 Acq On : 29 Sep 2023 20:13
 Operator : SY/MD
 Sample : 04657-02
 Misc : 6.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 U-2(2-6IN)

Quant Time: Sep 30 01:18:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

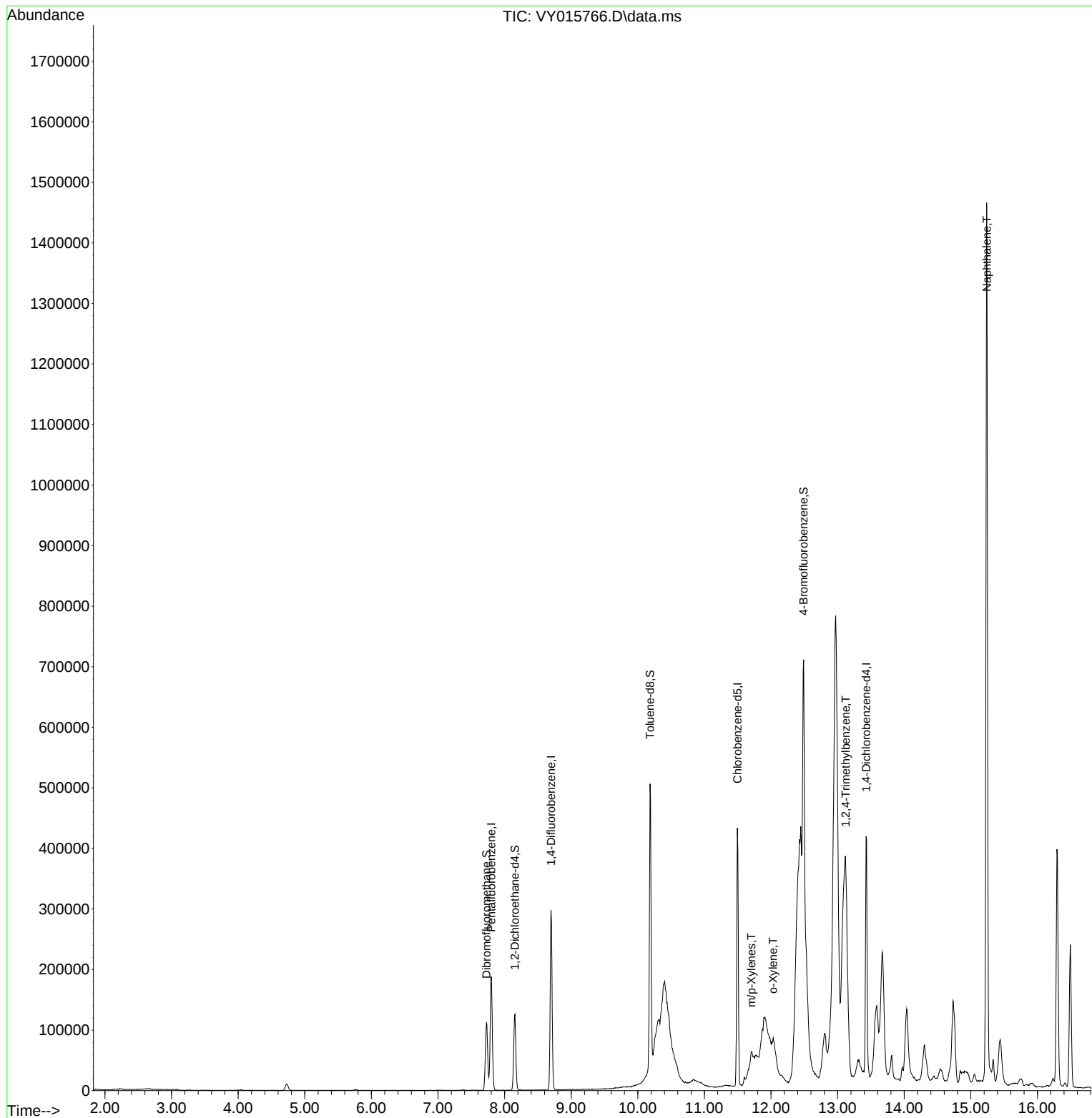
Internal Standards						
1) Pentafluorobenzene	7.801	168	147076	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	254455	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	235557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	98290	60.739	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.480%
35) Dibromofluoromethane	7.728	113	80461	52.831	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.660%
50) Toluene-d8	10.185	98	304187	58.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	117.820%
62) 4-Bromofluorobenzene	12.489	95	108365	53.474	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.940%
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.703	106	5014	1.468	ug/l	94
69) o-Xylene	12.032	106	3512	1.049	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	10229	1.552	ug/l	94
95) Naphthalene	15.239	128	1161354	199.970	ug/l	99

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

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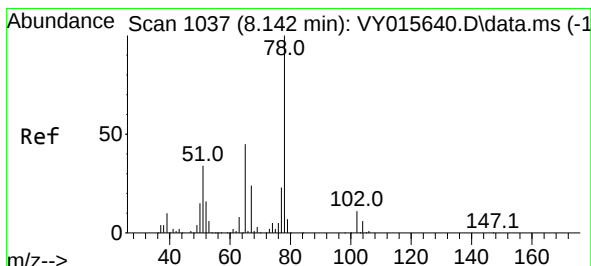
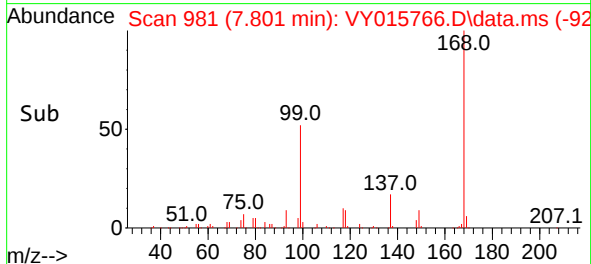
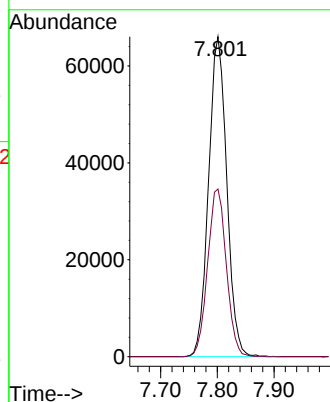
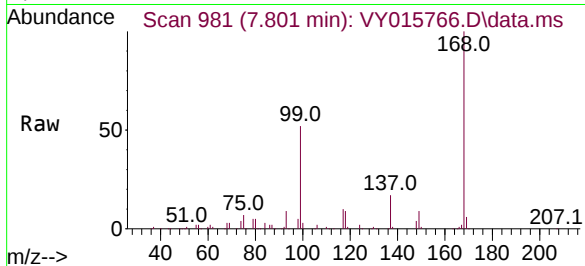




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

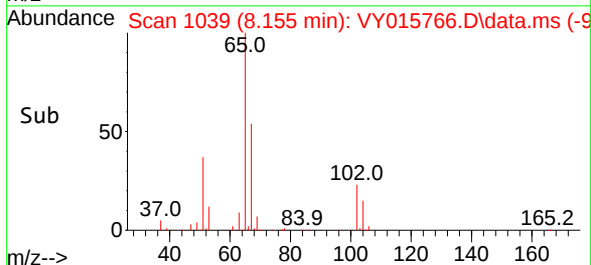
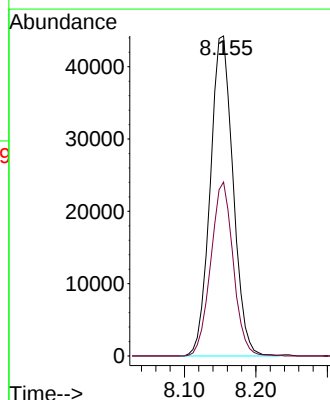
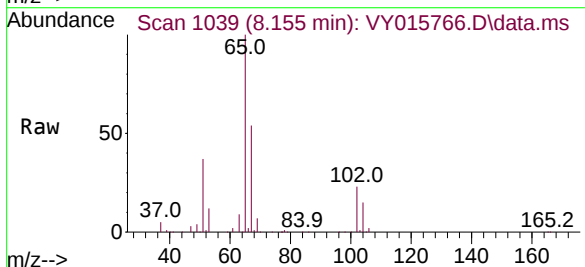
Instrument :
MSVOA_Y
ClientSampleId :
U-2(2-6IN)

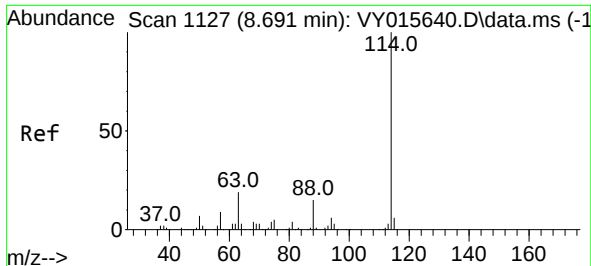
Tgt Ion:168 Resp: 147076
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 60.739 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.019 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Tgt Ion: 65 Resp: 98290
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY015766.D

Acq: 29 Sep 2023 20:13

Instrument :

MSVOA_Y

ClientSampleId :

U-2(2-6IN)

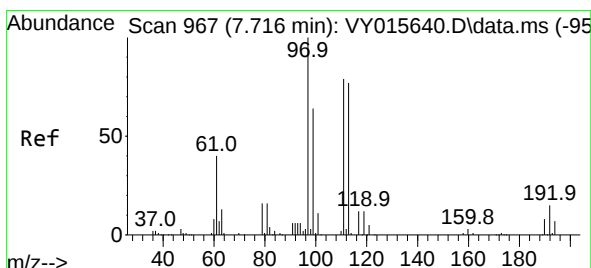
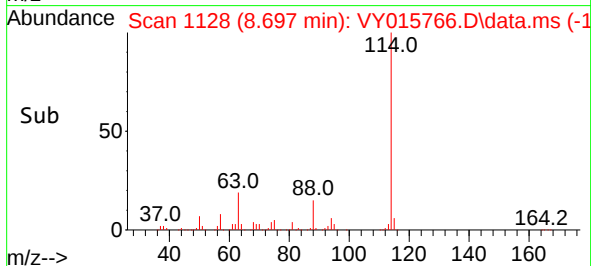
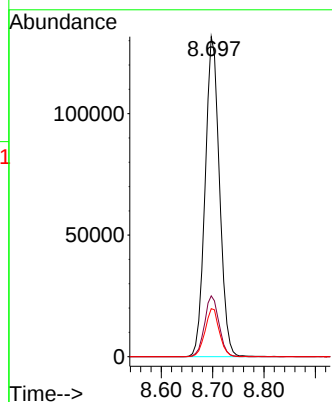
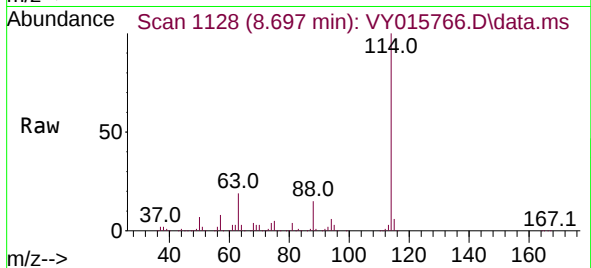
Tgt Ion:114 Resp: 254455

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.831 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015766.D

Acq: 29 Sep 2023 20:13

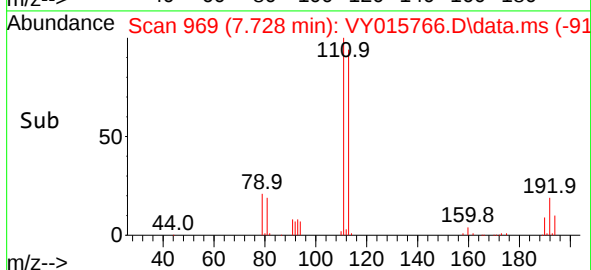
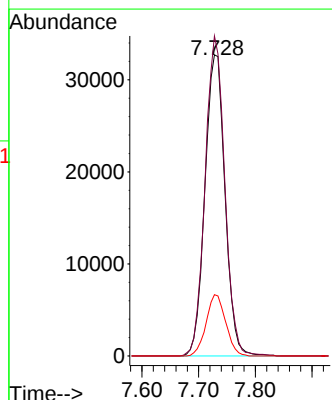
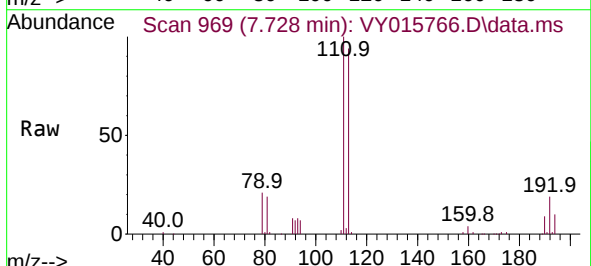
Tgt Ion:113 Resp: 80461

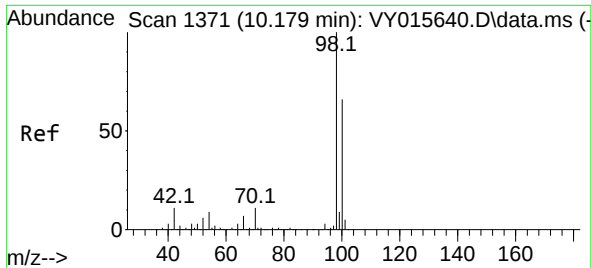
Ion Ratio Lower Upper

113 100

111 103.9 81.3 121.9

192 19.8 16.9 25.3

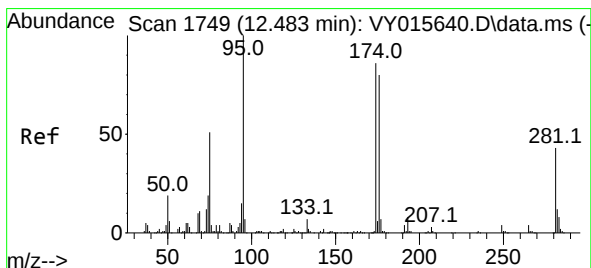
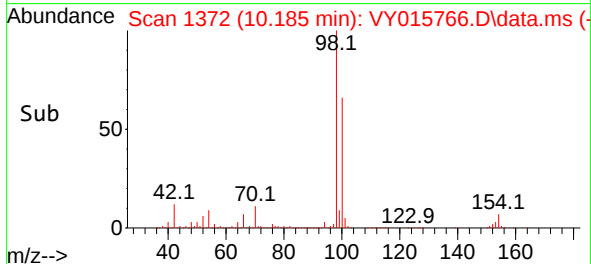
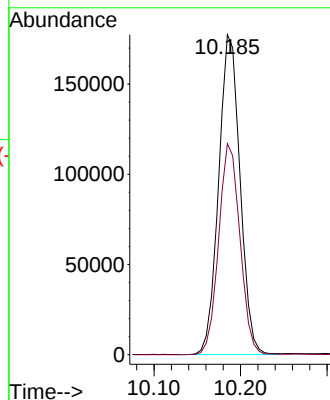
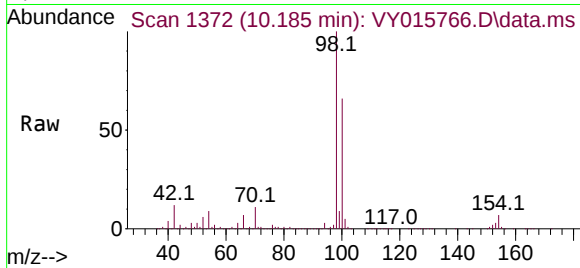




#50
Toluene-d8
Concen: 58.906 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

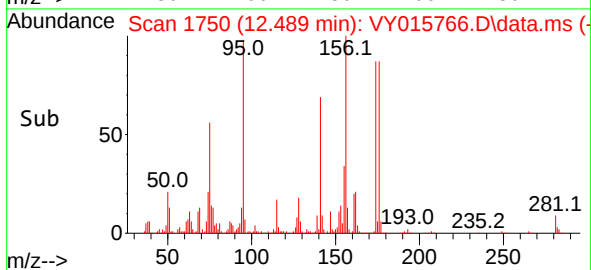
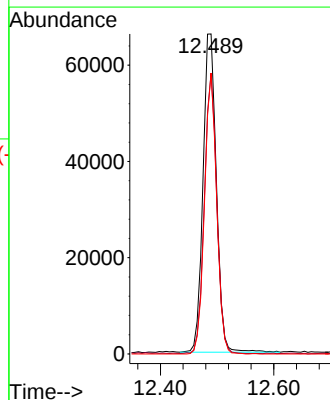
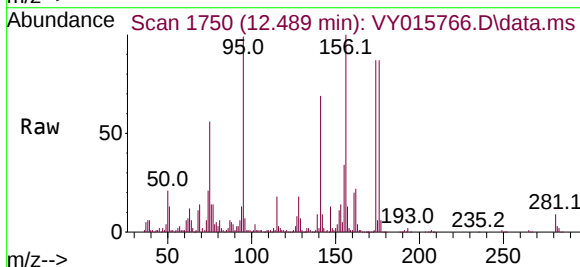
Instrument :
MSVOA_Y
ClientSampleId :
U-2(2-6IN)

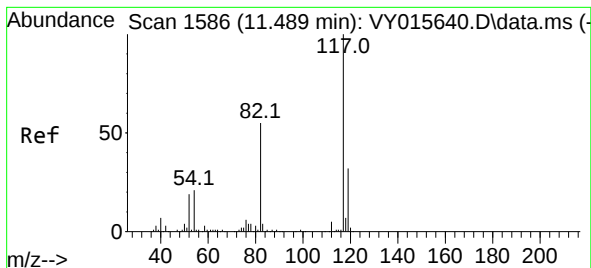
Tgt Ion: 98 Resp: 304187
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.474 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Tgt Ion: 95 Resp: 108365
Ion Ratio Lower Upper
95 100
174 81.8 0.0 178.2
176 80.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015766.D

Acq: 29 Sep 2023 20:13

Instrument :

MSVOA_Y

ClientSampleId :

U-2(2-6IN)

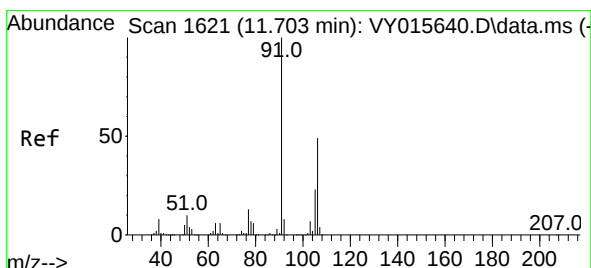
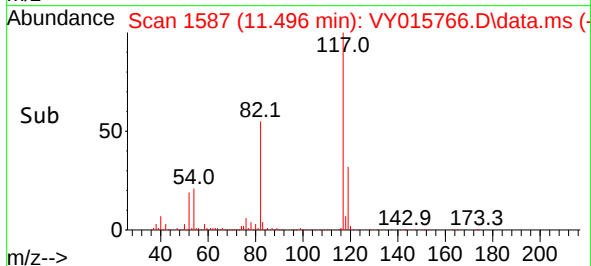
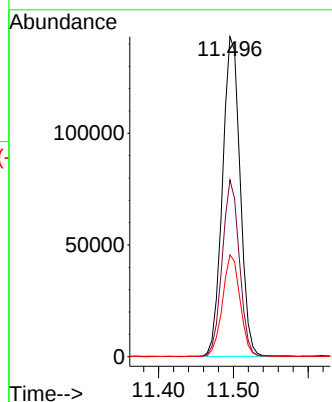
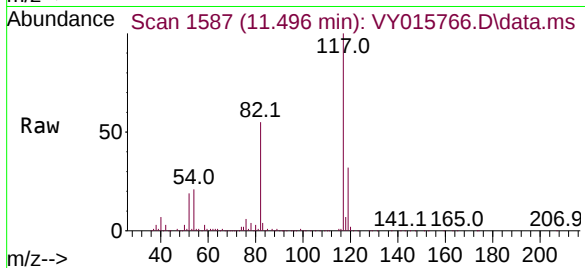
Tgt Ion:117 Resp: 235557

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 31.9 26.3 39.5



#68

m/p-Xylenes

Concen: 1.468 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY015766.D

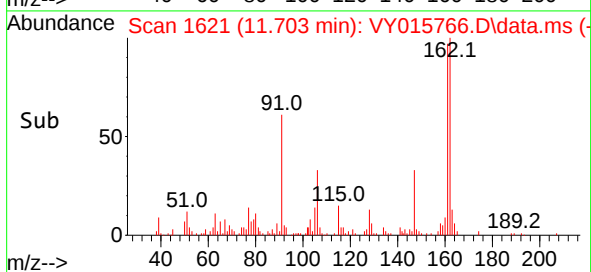
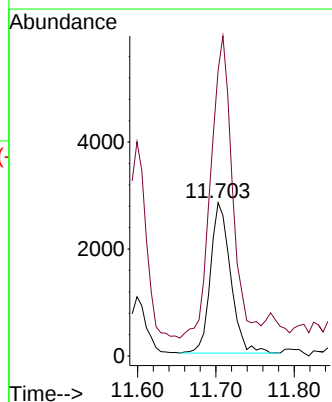
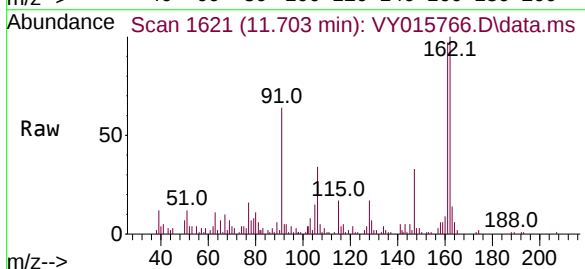
Acq: 29 Sep 2023 20:13

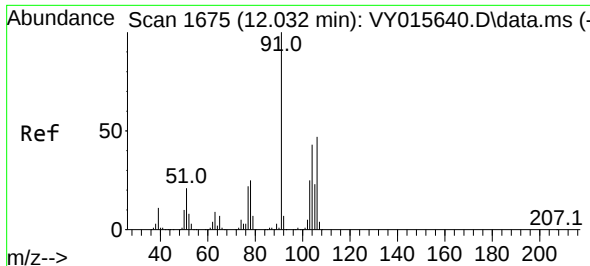
Tgt Ion:106 Resp: 5014

Ion Ratio Lower Upper

106 100

91 216.6 166.1 249.1

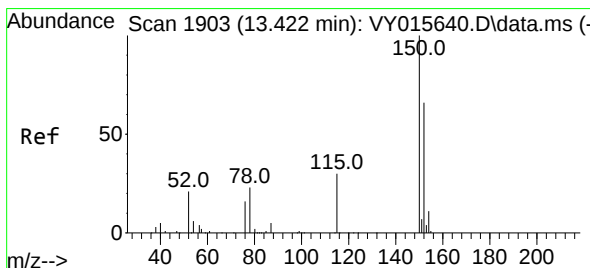
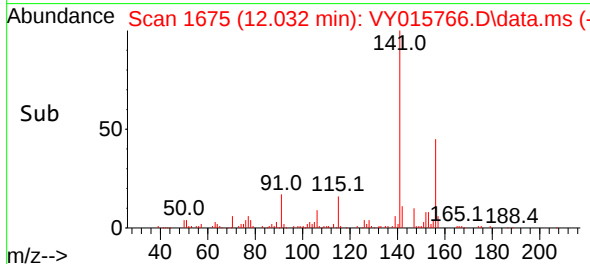
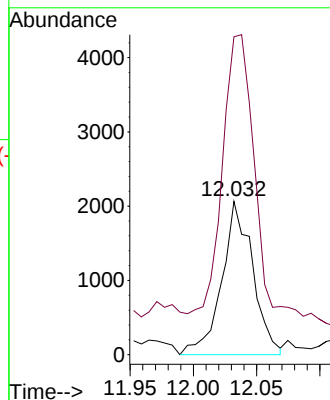
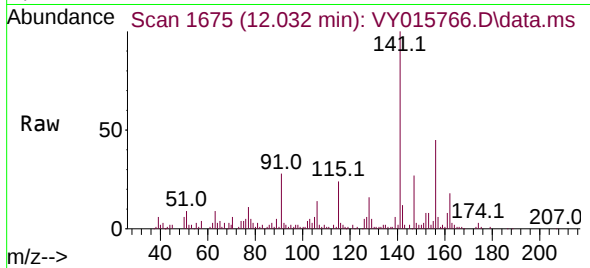




#69
o-Xylene
Concen: 1.049 ug/l
RT: 12.032 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

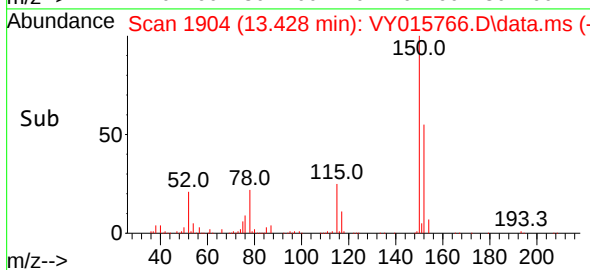
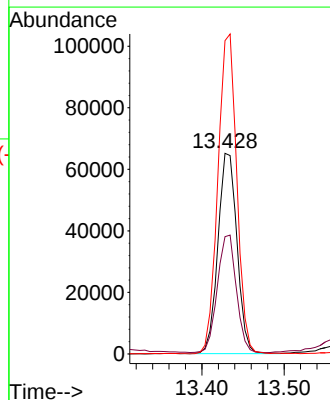
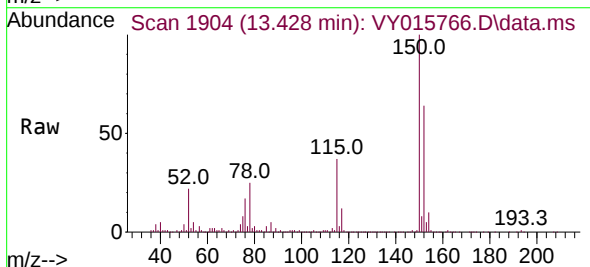
Instrument :
MSVOA_Y
ClientSampleId :
U-2(2-6IN)

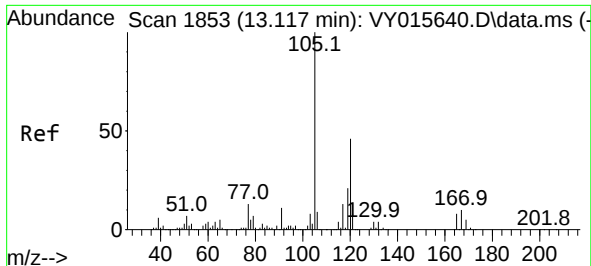
Tgt Ion:106 Resp: 3512
Ion Ratio Lower Upper
106 100
91 219.8 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Tgt Ion:152 Resp: 104910
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 158.1 0.0 348.8

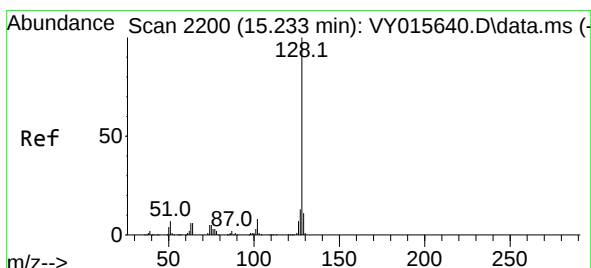
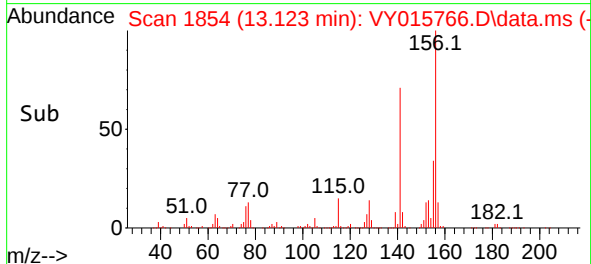
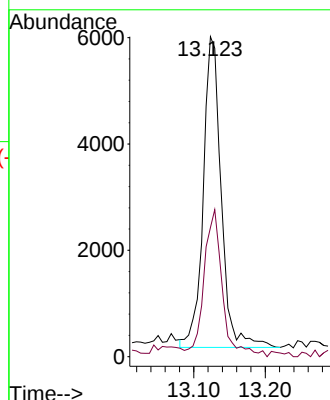
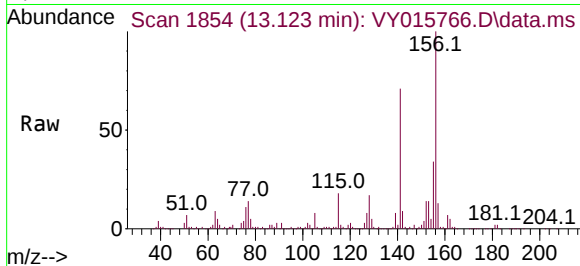




#84
1,2,4-Trimethylbenzene
Concen: 1.552 ug/l
RT: 13.123 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Instrument :
MSVOA_Y
ClientSampleId :
U-2(2-6IN)

Tgt Ion:105 Resp: 10229
Ion Ratio Lower Upper
105 100
120 48.5 22.2 66.6



#95
Naphthalene
Concen: 199.970 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY015766.D
Acq: 29 Sep 2023 20:13

Tgt Ion:128 Resp: 1161354
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 10.9 8.6 13.0

