

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022412.D
 Acq On : 23 May 2025 17:37
 Operator : SY/MD
 Sample : Q2112-01RE
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-05222025RE

Quant Time: May 23 23:22:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

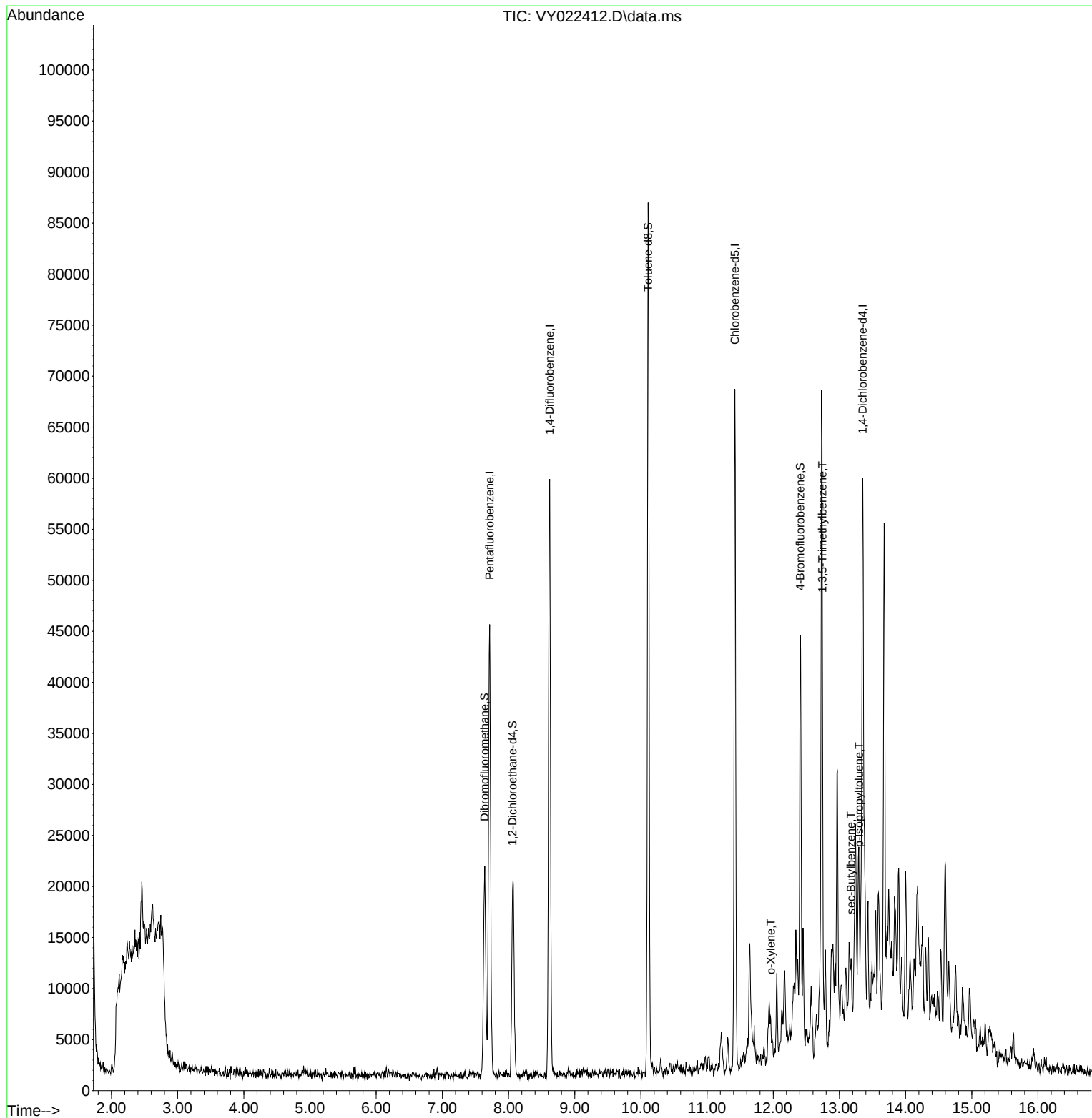
Internal Standards						
1) Pentafluorobenzene	7.713	168	33012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	50569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	34028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	11120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	15145	41.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.960%
35) Dibromofluoromethane	7.640	113	13413	44.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.880%
50) Toluene-d8	10.109	98	55041	44.526	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.060%
62) 4-Bromofluorobenzene	12.408	95	12152	31.015	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.020%
Target Compounds						
					Qvalue	
69) o-Xylene	11.962	106	693	1.352	ug/l	90
80) 1,3,5-Trimethylbenzene	12.743	105	5133	6.902	ug/l	96
85) sec-Butylbenzene	13.176	105	1726	1.759	ug/l #	71
86) p-Isopropyltoluene	13.298	119	2198	2.664	ug/l	95

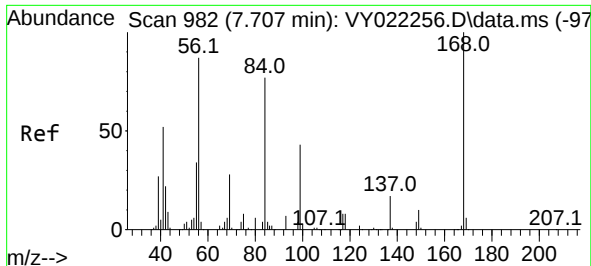
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022412.D
Acq On : 23 May 2025 17:37
Operator : SY/MD
Sample : Q2112-01RE
Misc : 5.78g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025RE

Quant Time: May 23 23:22:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

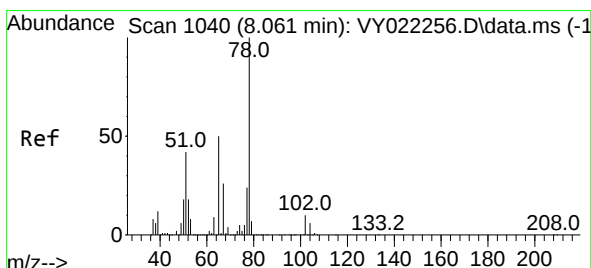
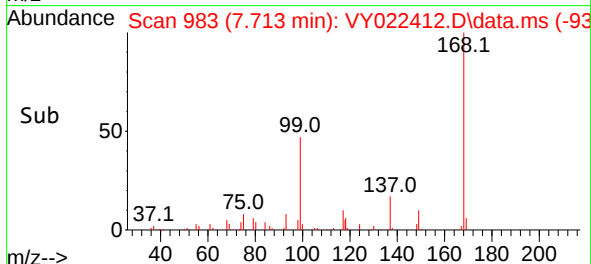
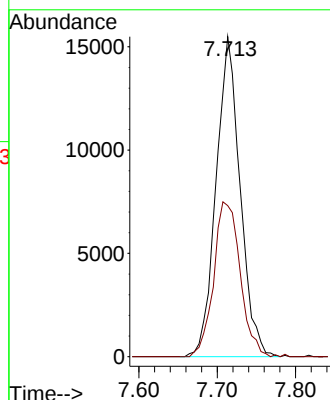
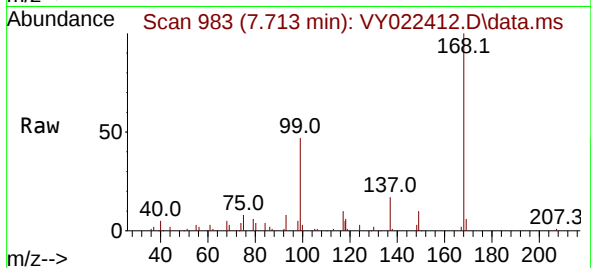




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022412.D
Acq: 23 May 2025 17:37

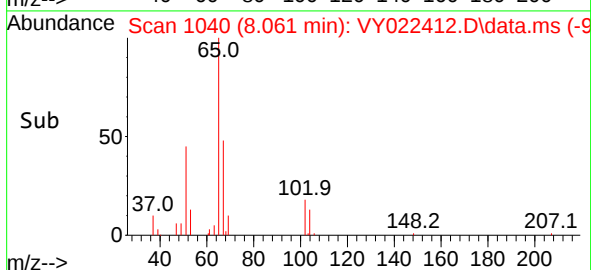
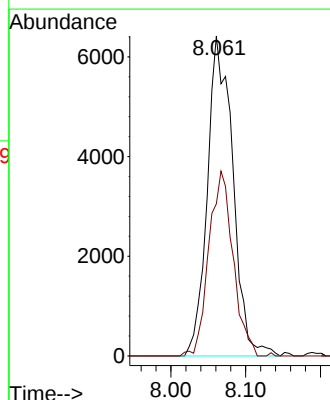
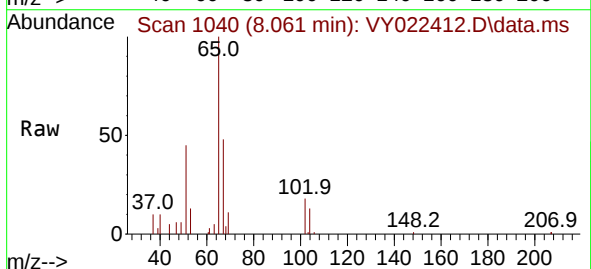
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025RE

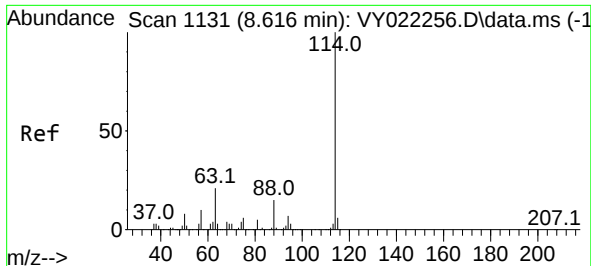
Tgt Ion:168 Resp: 33012
Ion Ratio Lower Upper
168 100
99 47.2 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 41.977 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022412.D
Acq: 23 May 2025 17:37

Tgt Ion: 65 Resp: 15145
Ion Ratio Lower Upper
65 100
67 54.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022412.D

Acq: 23 May 2025 17:37

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-05222025RE

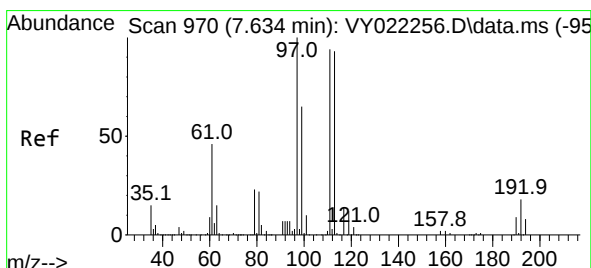
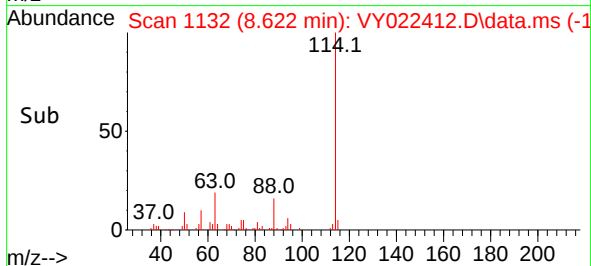
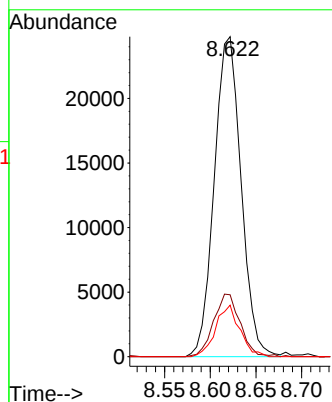
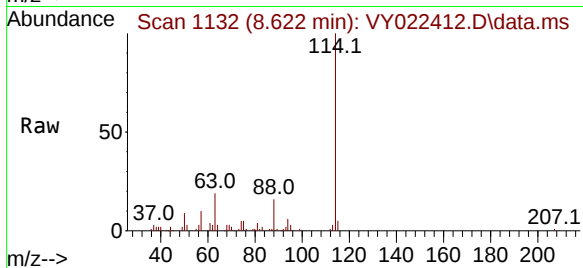
Tgt Ion:114 Resp: 50569

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

88 16.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 44.440 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022412.D

Acq: 23 May 2025 17:37

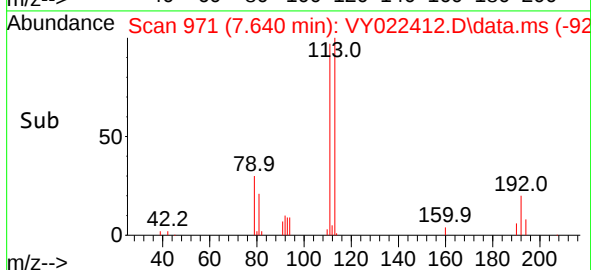
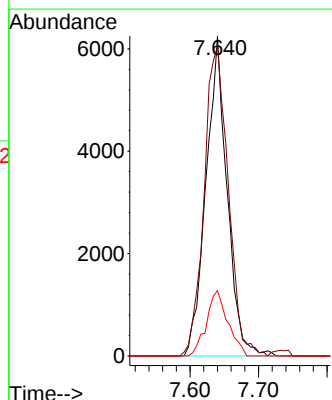
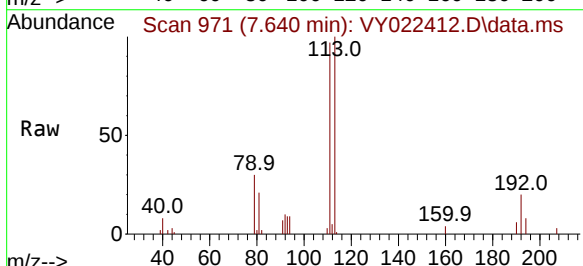
Tgt Ion:113 Resp: 13413

Ion Ratio Lower Upper

113 100

111 110.2 82.6 123.8

192 20.7 15.2 22.8

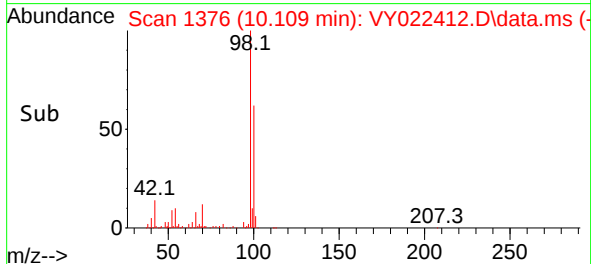
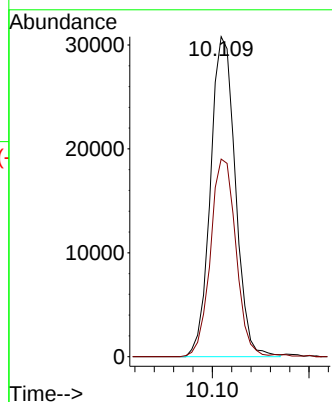
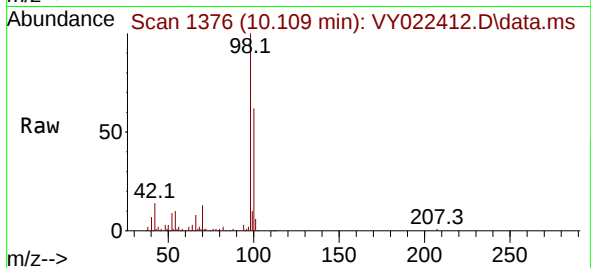




#50
Toluene-d8
Concen: 44.526 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022412.D
Acq: 23 May 2025 17:37

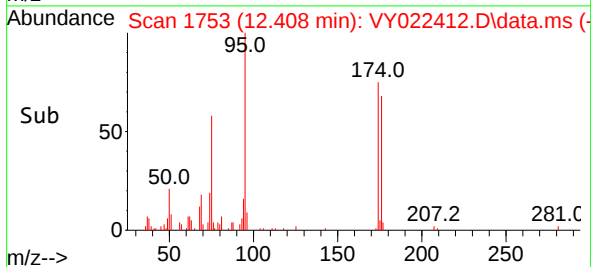
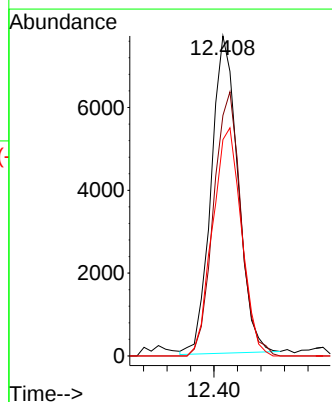
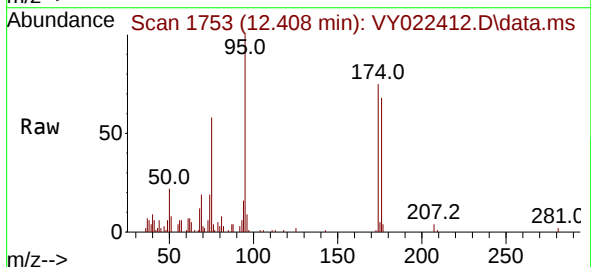
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025RE

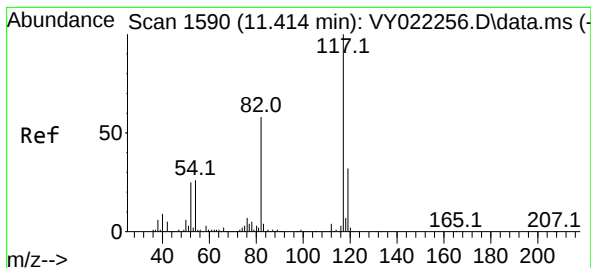
Tgt Ion: 98 Resp: 55041
Ion Ratio Lower Upper
98 100
100 63.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 31.015 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022412.D
Acq: 23 May 2025 17:37

Tgt Ion: 95 Resp: 12152
Ion Ratio Lower Upper
95 100
174 84.6 0.0 166.8
176 77.5 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022412.D

Acq: 23 May 2025 17:37

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-05222025RE

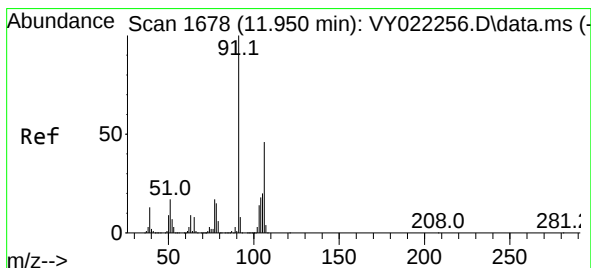
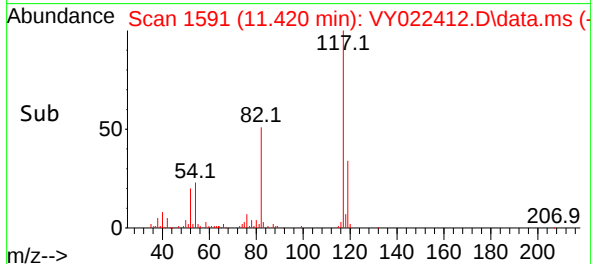
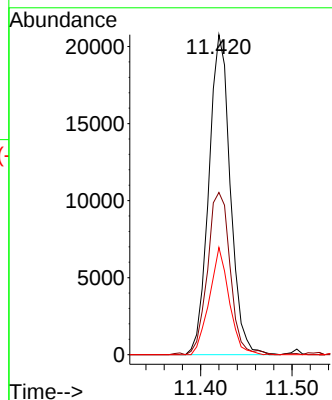
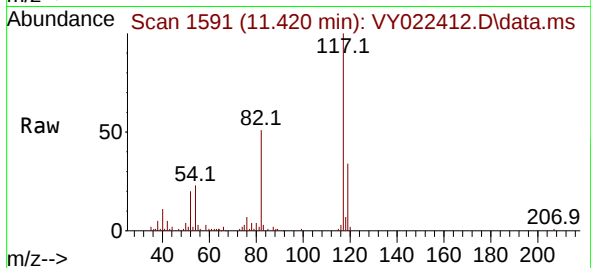
Tgt Ion:117 Resp: 34028

Ion Ratio Lower Upper

117 100

82 50.7 46.6 70.0

119 33.5 25.8 38.6



#69

o-Xylene

Concen: 1.352 ug/l

RT: 11.962 min Scan# 1680

Delta R.T. 0.012 min

Lab File: VY022412.D

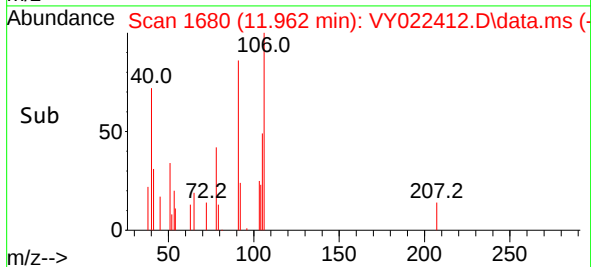
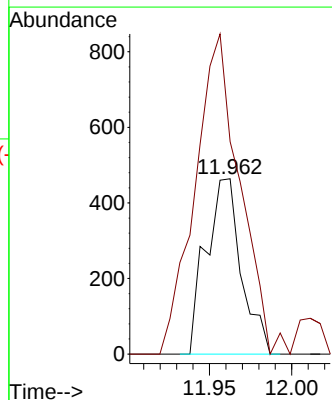
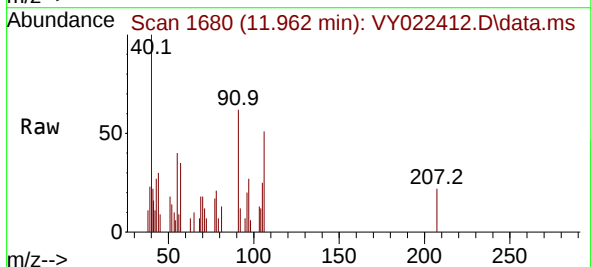
Acq: 23 May 2025 17:37

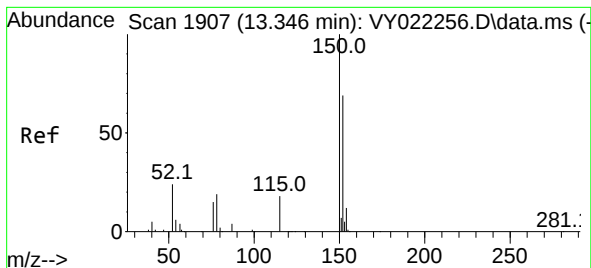
Tgt Ion:106 Resp: 693

Ion Ratio Lower Upper

106 100

91 231.7 108.3 324.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022412.D

Acq: 23 May 2025 17:37

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-05222025RE

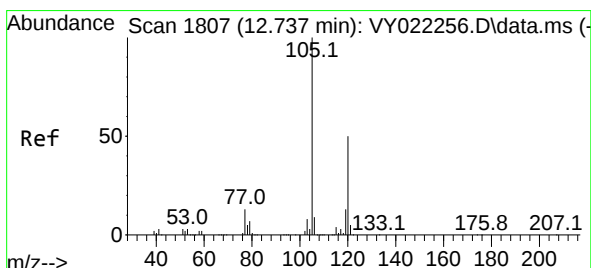
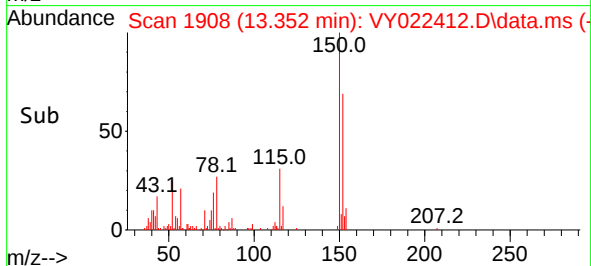
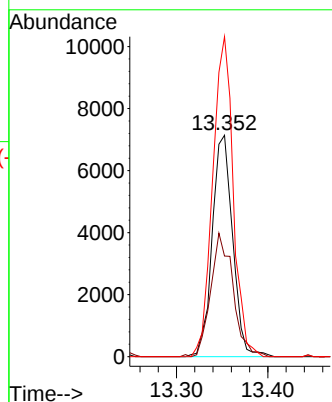
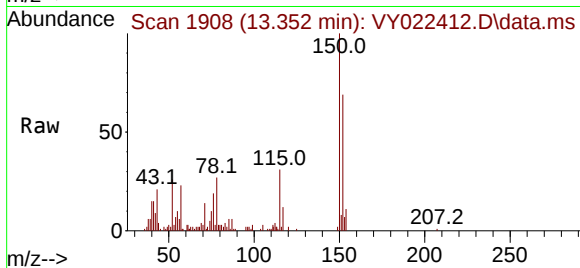
Tgt Ion:152 Resp: 11120

Ion Ratio Lower Upper

152 100

115 60.8 29.4 88.2

150 144.6 0.0 353.8



#80

1,3,5-Trimethylbenzene

Concen: 6.902 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VY022412.D

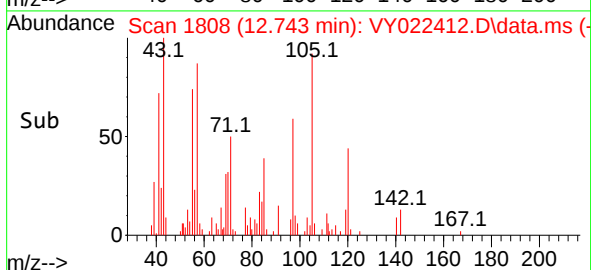
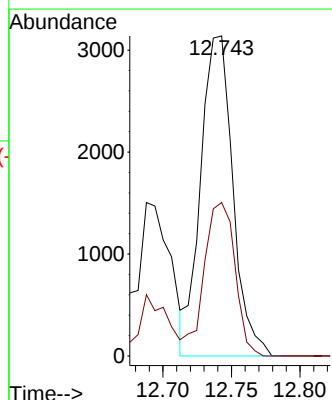
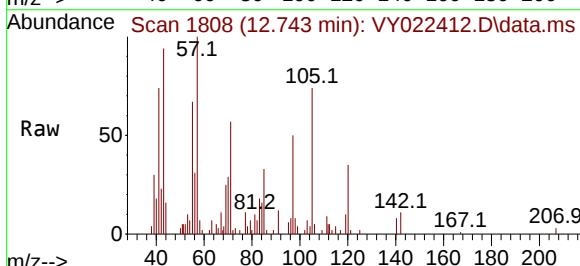
Acq: 23 May 2025 17:37

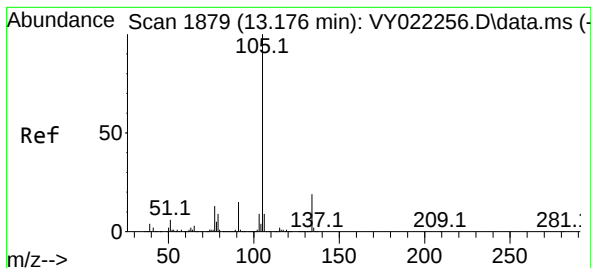
Tgt Ion:105 Resp: 5133

Ion Ratio Lower Upper

105 100

120 46.0 24.2 72.6





#85

sec-Butylbenzene

Concen: 1.759 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY022412.D

Acq: 23 May 2025 17:37

Instrument :

MSVOA_Y

ClientSampleId :

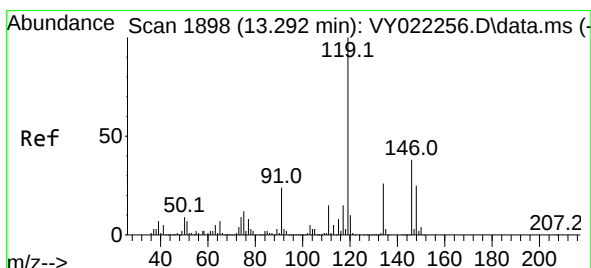
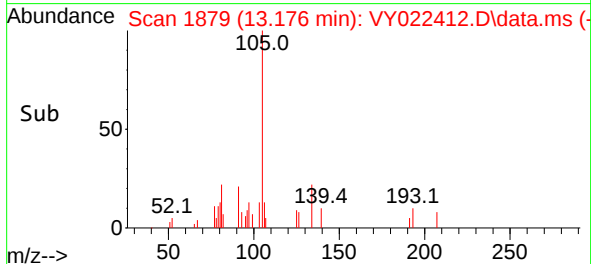
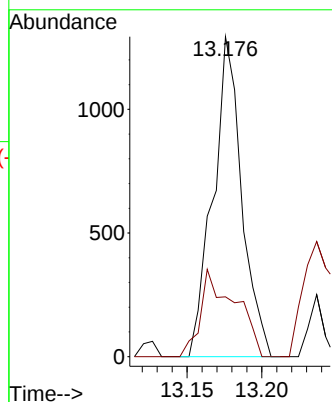
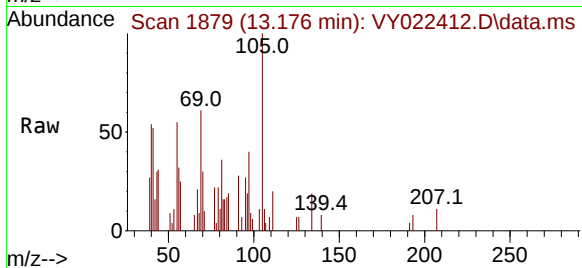
EO-03-05222025RE

Tgt Ion:105 Resp: 1726

Ion Ratio Lower Upper

105 100

134 32.8 9.8 29.5#



#86

p-Isopropyltoluene

Concen: 2.664 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VY022412.D

Acq: 23 May 2025 17:37

Tgt Ion:119 Resp: 2198

Ion Ratio Lower Upper

119 100

134 23.6 12.9 38.6

91 27.5 12.1 36.3

