

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022108.D
 Acq On : 01 May 2025 15:28
 Operator : SY/MD
 Sample : Q1914-02
 Misc : 7.60g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-91

Quant Time: May 02 01:30:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

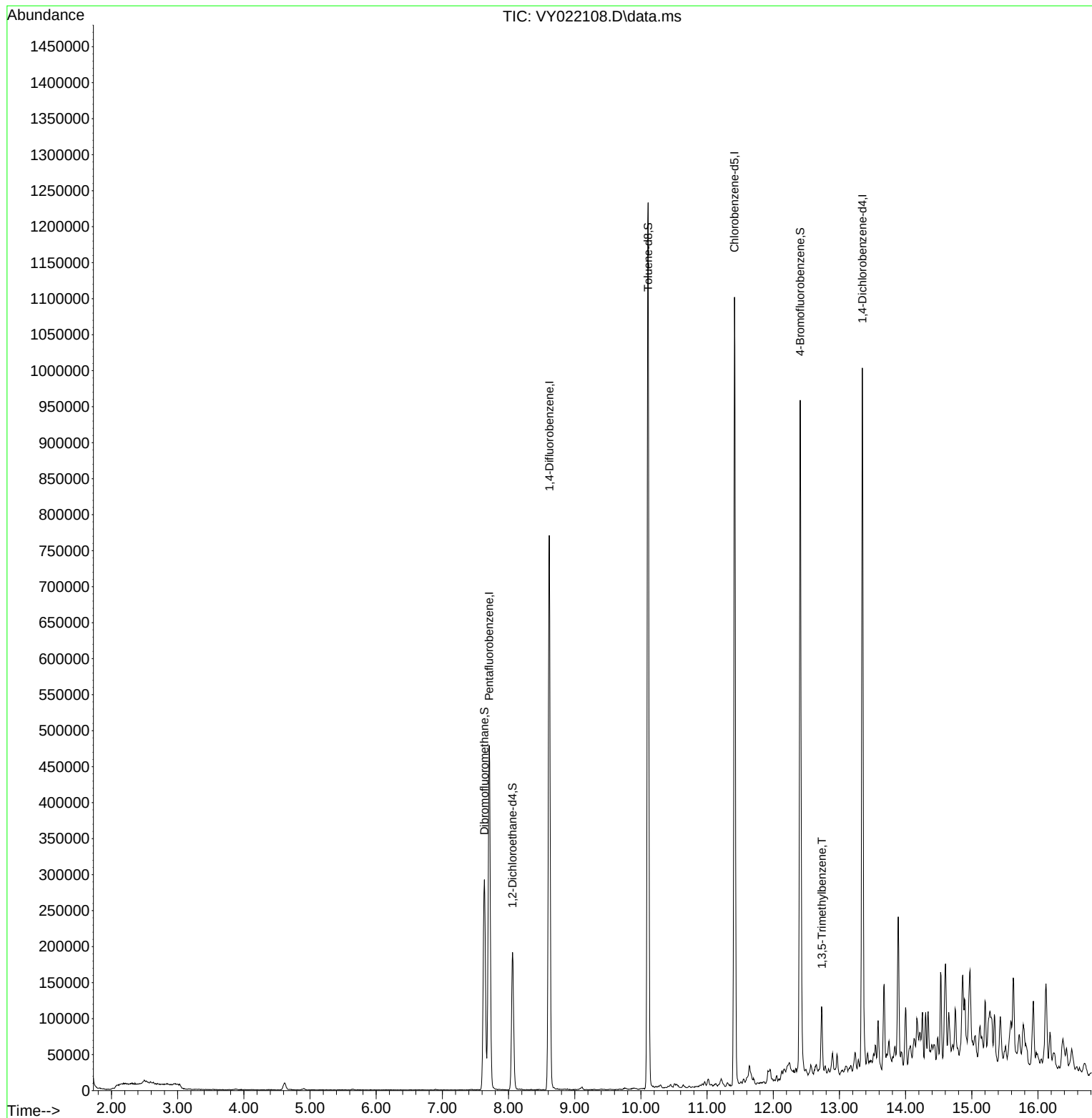
Internal Standards						
1) Pentafluorobenzene	7.707	168	377287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	686536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	618810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	255221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150161	43.089	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.180%
35) Dibromofluoromethane	7.634	113	212201	46.785	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.580%
50) Toluene-d8	10.109	98	827662	48.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.407	95	256059	44.483	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.960%
Target Compounds						
80) 1,3,5-Trimethylbenzene	12.737	105	16067	1.144	ug/l	Qvalue 95

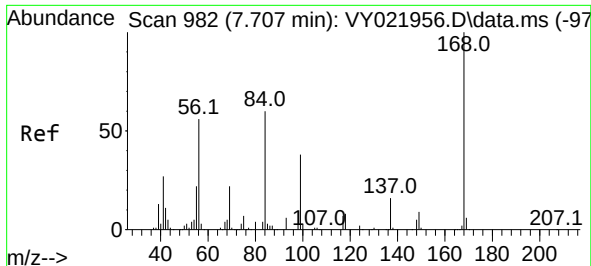
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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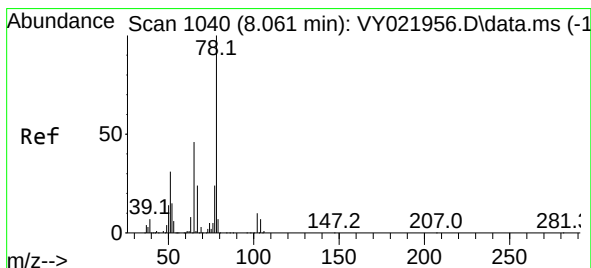
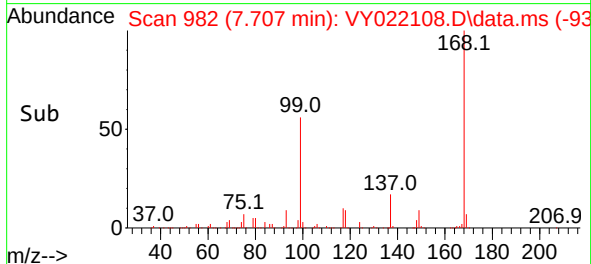
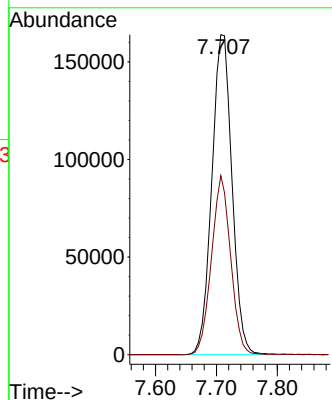
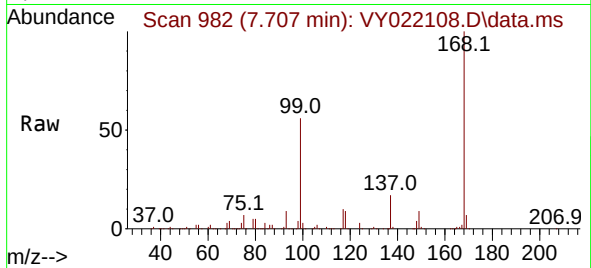




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

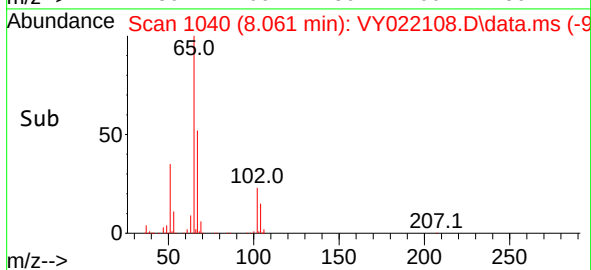
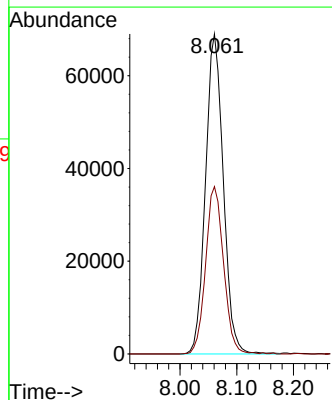
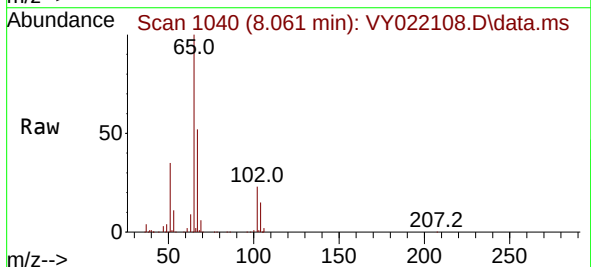
Instrument :
MSVOA_Y
ClientSampleId :
SS-91

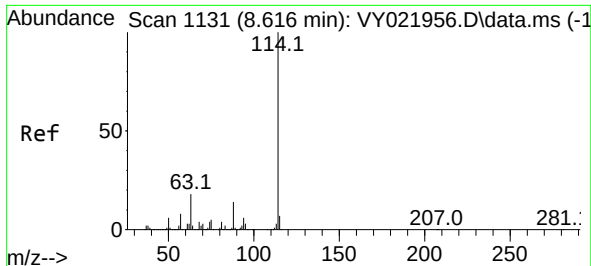
Tgt Ion:168 Resp: 377287
Ion Ratio Lower Upper
168 100
99 56.0 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 43.089 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

Tgt Ion: 65 Resp: 150161
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022108.D

Acq: 01 May 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

SS-91

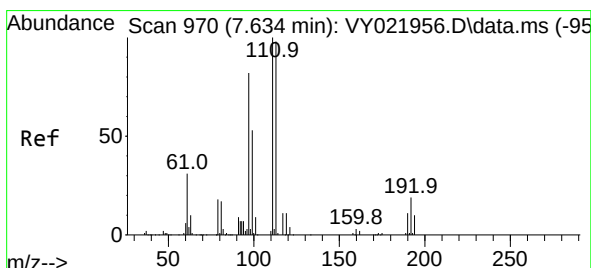
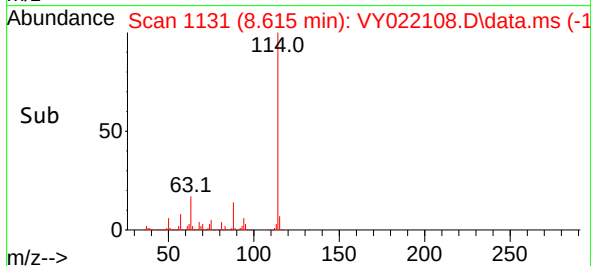
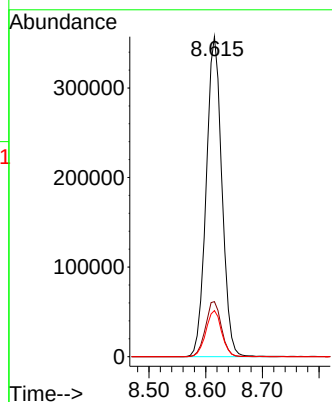
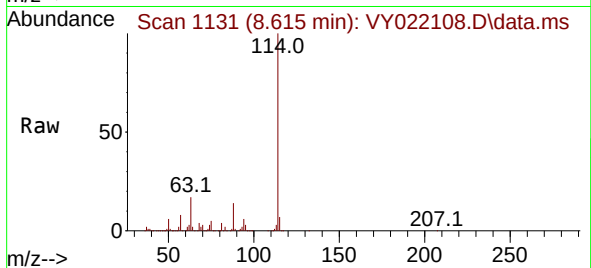
Tgt Ion:114 Resp: 686536

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 46.785 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022108.D

Acq: 01 May 2025 15:28

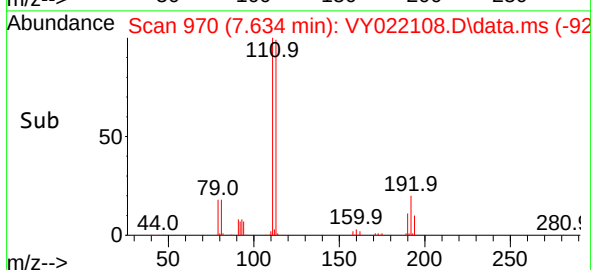
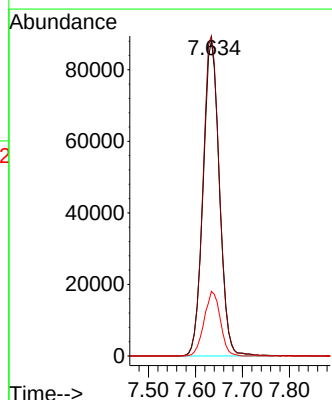
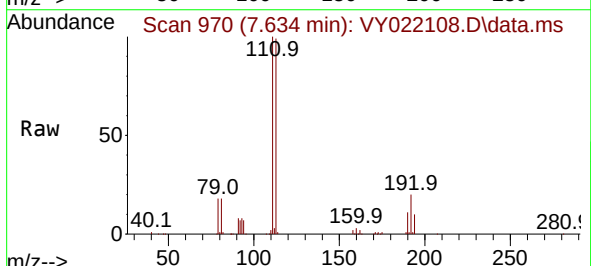
Tgt Ion:113 Resp: 212201

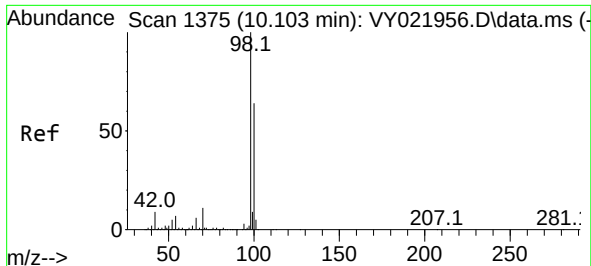
Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

192 20.3 15.6 23.4

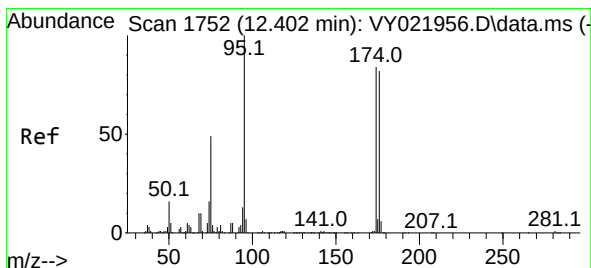
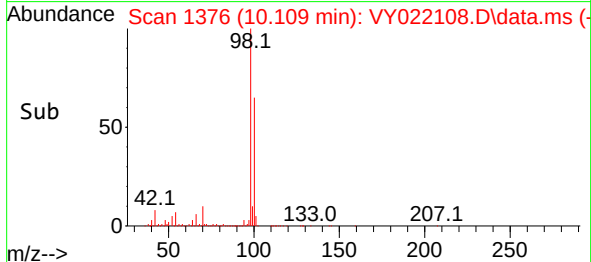
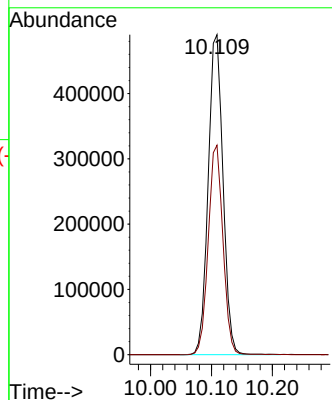
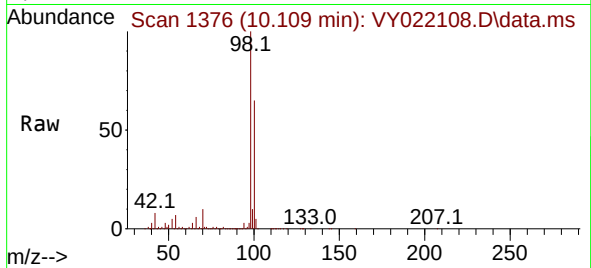




#50
Toluene-d8
Concen: 48.403 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

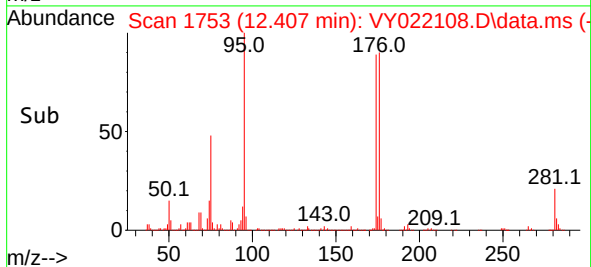
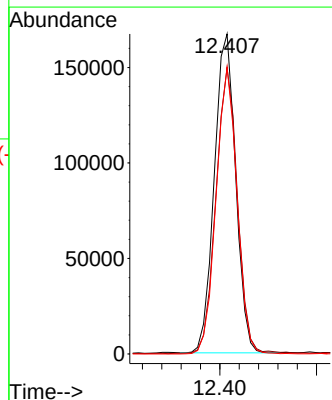
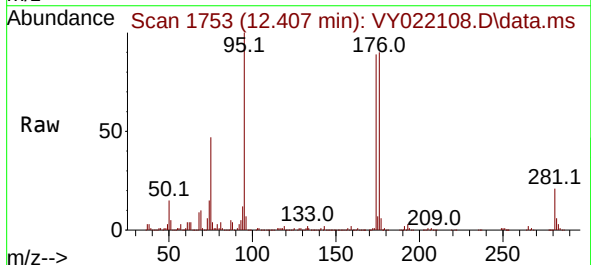
Instrument :
MSVOA_Y
ClientSampleId :
SS-91

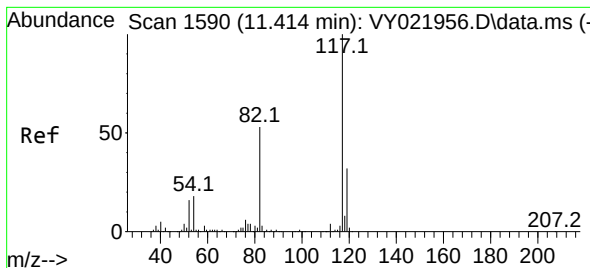
Tgt Ion: 98 Resp: 827662
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 44.483 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022108.D
Acq: 01 May 2025 15:28

Tgt Ion: 95 Resp: 256059
Ion Ratio Lower Upper
95 100
174 90.6 0.0 179.0
176 88.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY022108.D

Acq: 01 May 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

SS-91

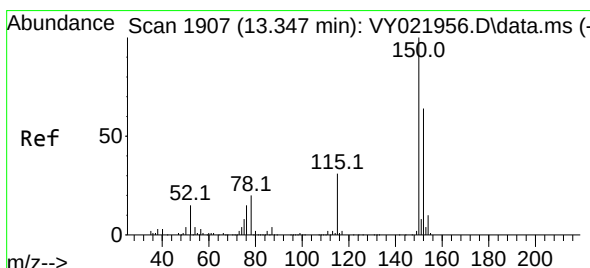
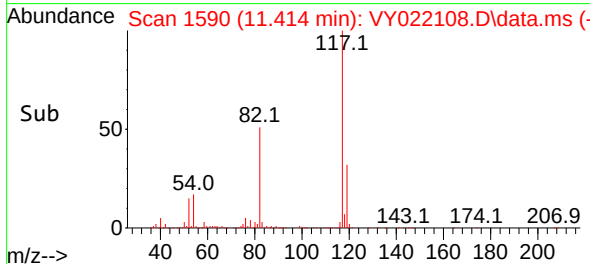
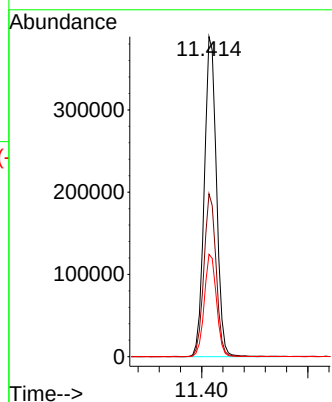
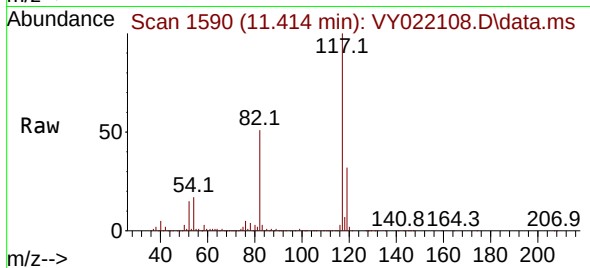
Tgt Ion:117 Resp: 618810

Ion Ratio Lower Upper

117 100

82 50.8 42.1 63.1

119 32.0 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022108.D

Acq: 01 May 2025 15:28

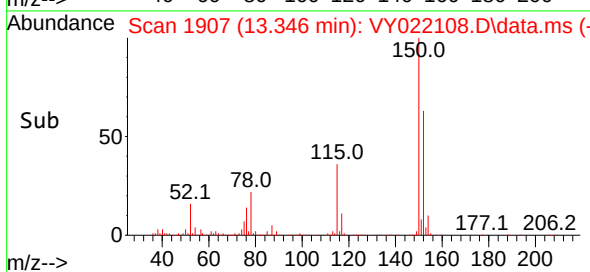
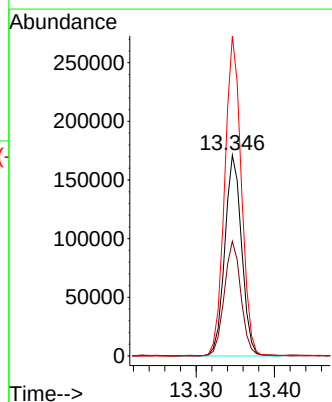
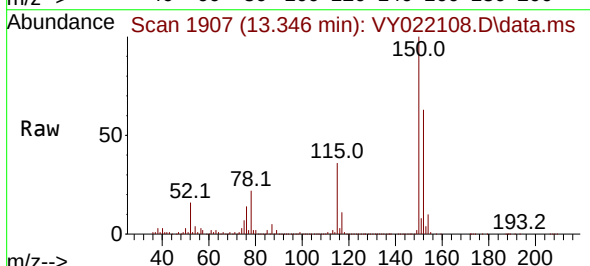
Tgt Ion:152 Resp: 255221

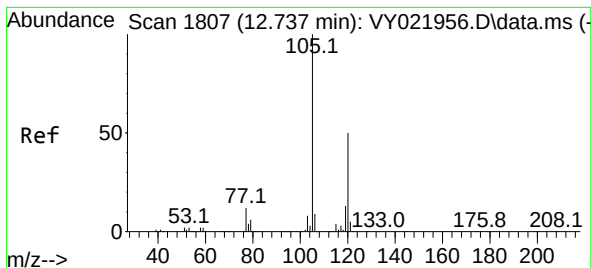
Ion Ratio Lower Upper

152 100

115 56.4 28.0 84.0

150 158.0 0.0 345.6





#80

1,3,5-Trimethylbenzene

Concen: 1.144 ug/l

RT: 12.737 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022108.D

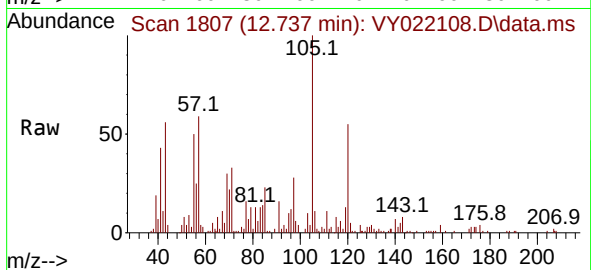
Acq: 01 May 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

SS-91



Tgt Ion:105 Resp: 16067

Ion Ratio Lower Upper

105 100

120 53.3 25.0 75.0

