

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022325.D
 Acq On : 19 May 2025 17:43
 Operator : SY/MD
 Sample : Q2021-02
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: May 20 01:17:15 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	7.707	168	188228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	334545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	266650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	100148	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104131	50.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.240%
35) Dibromofluoromethane	7.628	113	100220	50.191	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.380%
50) Toluene-d8	10.103	98	399710	48.877	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.760%
62) 4-Bromofluorobenzene	12.401	95	102799	39.659	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.320%

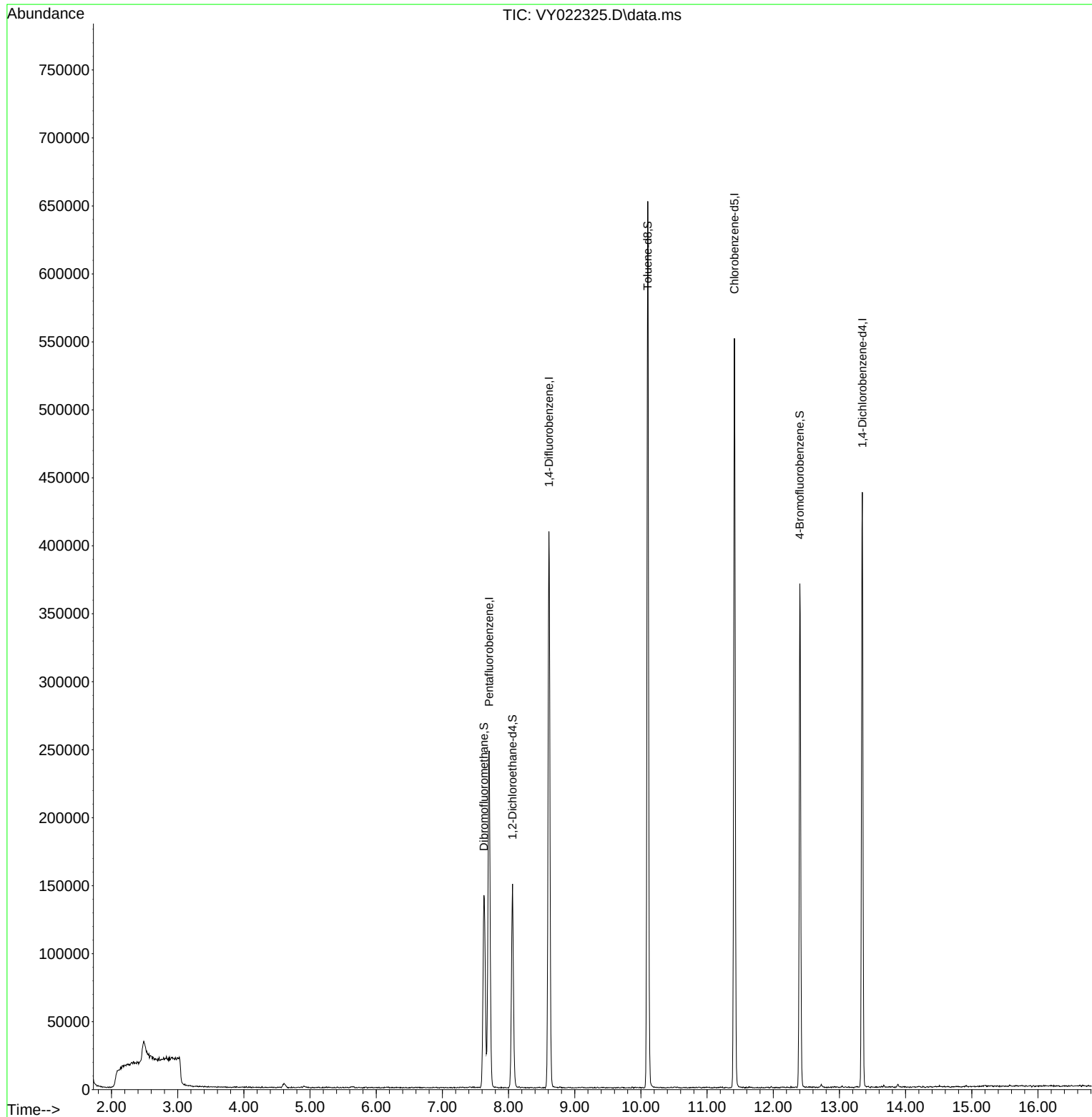
Target Compounds	Qvalue

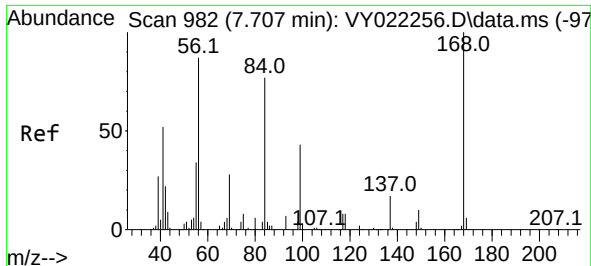
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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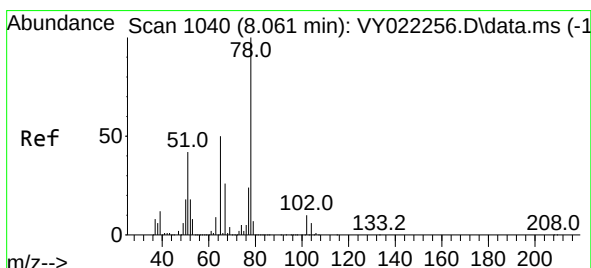
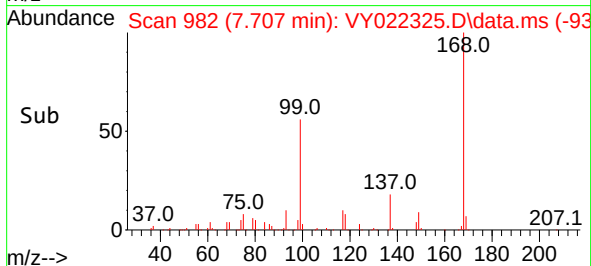
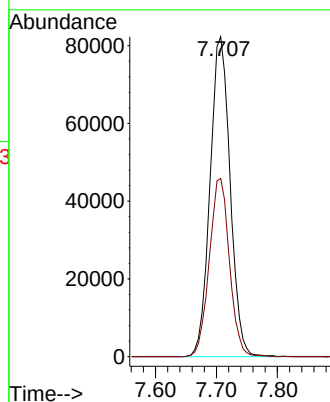
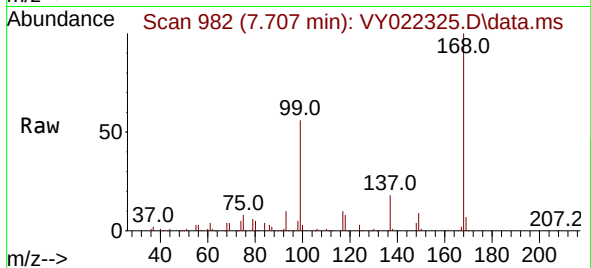




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

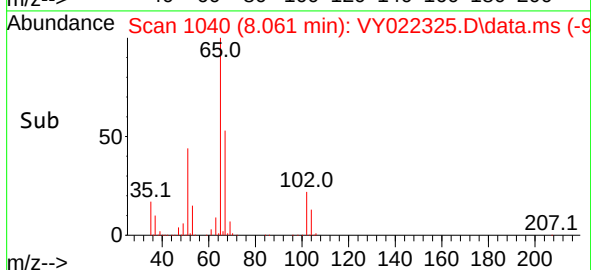
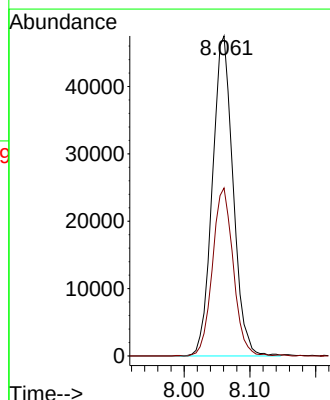
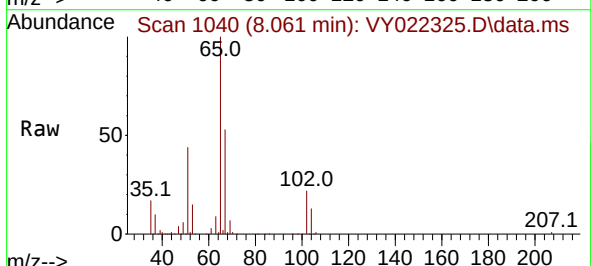
Instrument :
MSVOA_Y
ClientSampleId :
VOC

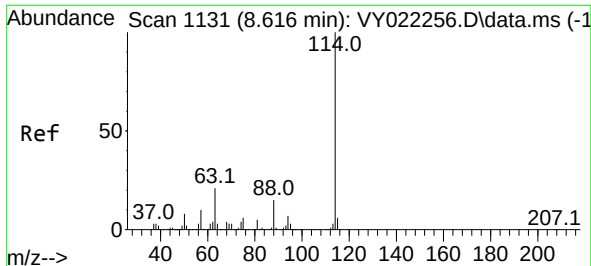
Tgt Ion:168 Resp: 188228
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 50.619 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

Tgt Ion: 65 Resp: 104131
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6

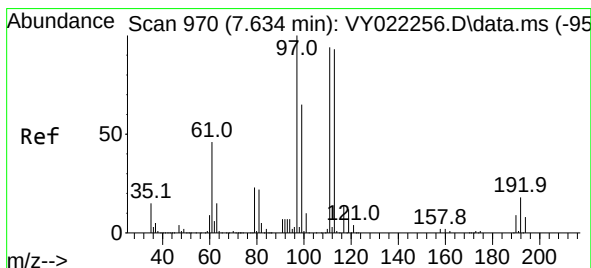
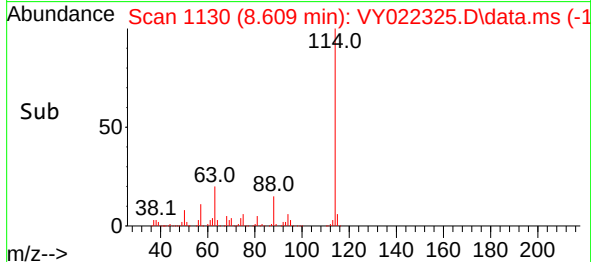
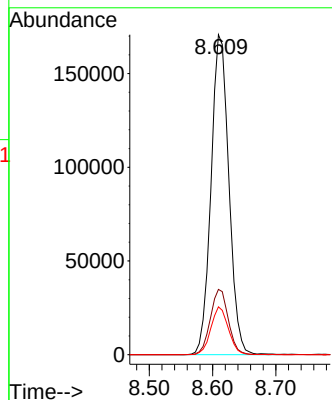
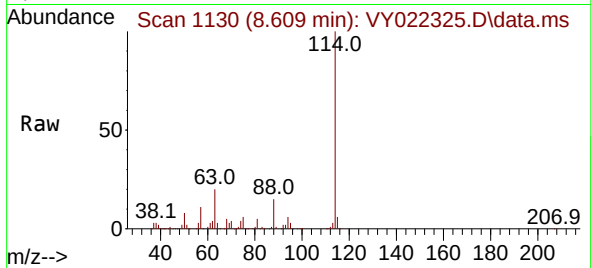




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

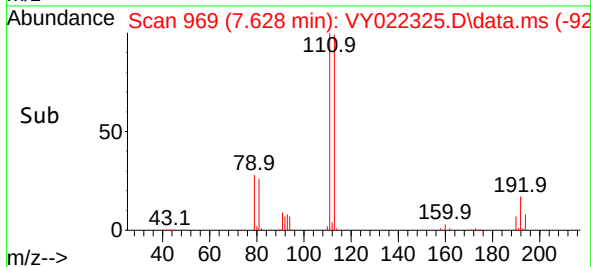
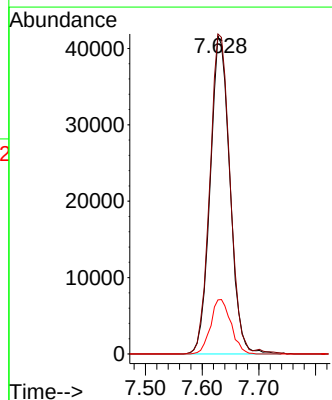
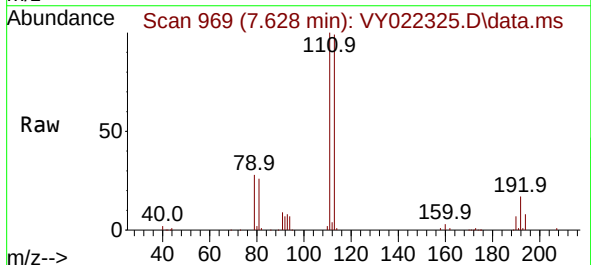
Instrument :
MSVOA_Y
ClientSampleId :
VOC

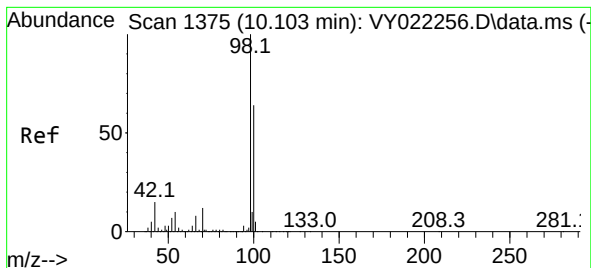
Tgt Ion:114 Resp: 334545
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.0
88 15.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 50.191 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

Tgt Ion:113 Resp: 100220
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 17.7 15.2 22.8

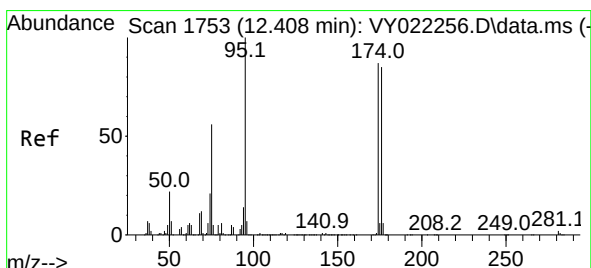
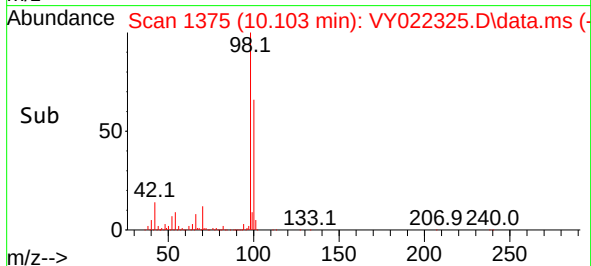
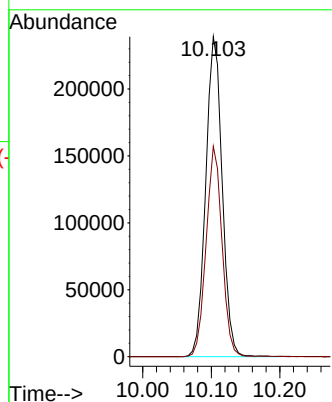
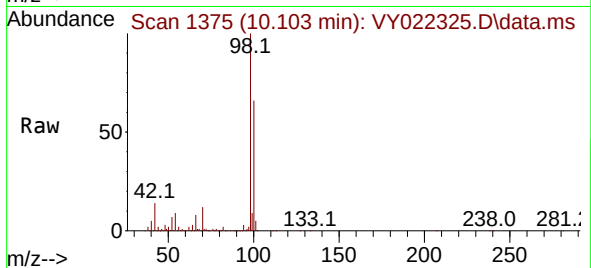




#50
Toluene-d8
Concen: 48.877 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

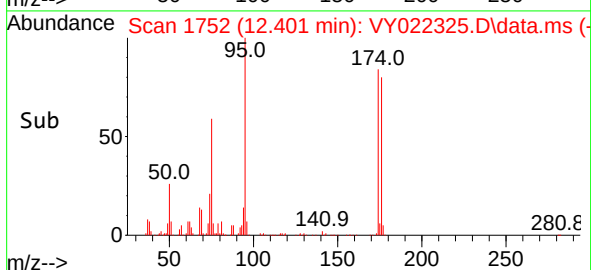
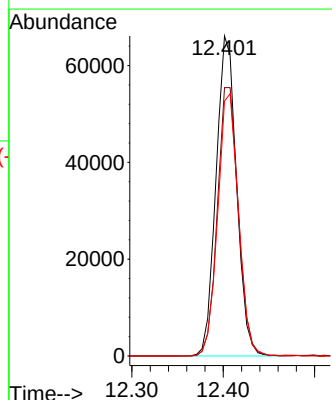
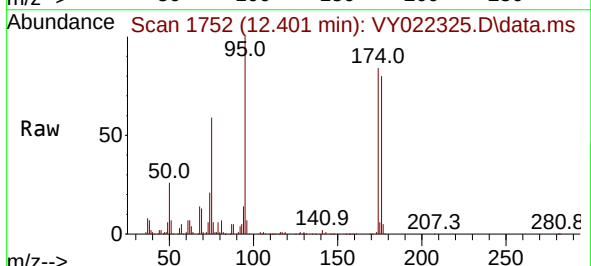
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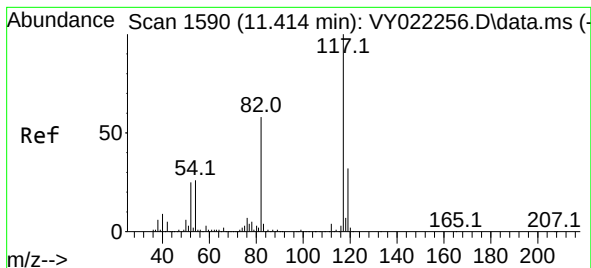
Tgt Ion: 98 Resp: 399710
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.659 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022325.D
Acq: 19 May 2025 17:43

Tgt Ion: 95 Resp: 102799
Ion Ratio Lower Upper
95 100
174 86.0 0.0 166.8
176 83.3 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022325.D

Acq: 19 May 2025 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VOC

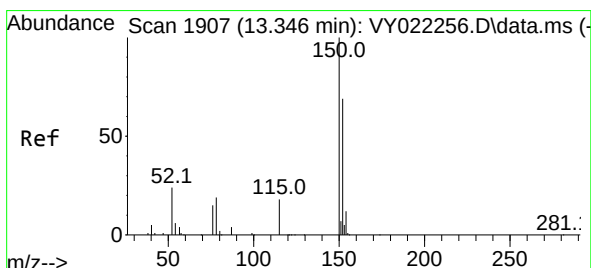
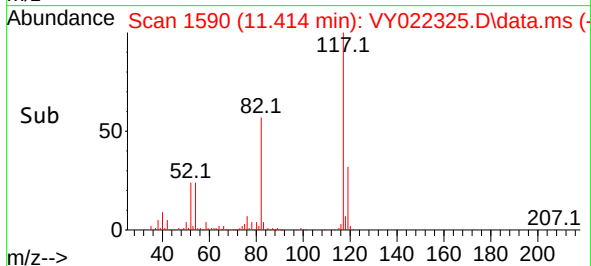
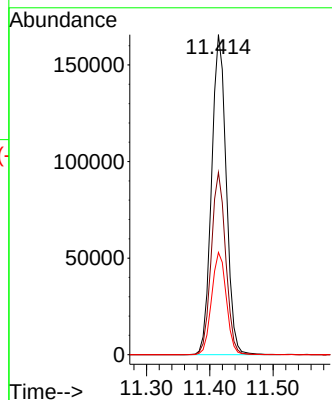
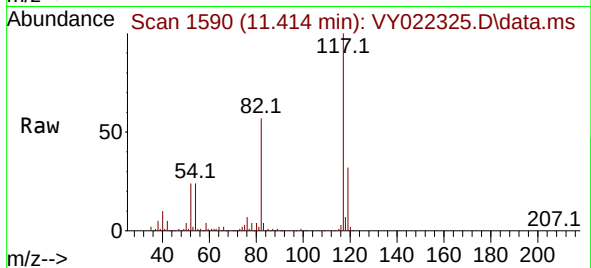
Tgt Ion:117 Resp: 266650

Ion Ratio Lower Upper

117 100

82 56.9 46.6 70.0

119 32.0 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022325.D

Acq: 19 May 2025 17:43

Tgt Ion:152 Resp: 100148

Ion Ratio Lower Upper

152 100

115 57.2 29.4 88.2

150 158.0 0.0 353.8

