

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023125.D
 Acq On : 15 Aug 2025 15:11
 Operator : SY/MD
 Sample : Q2832-05
 Misc : 3.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S03

Quant Time: Aug 18 02:30:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	553899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1043284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	947118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	378902	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	312610	59.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.440%
35) Dibromofluoromethane	7.634	113	321045	51.427	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.860%
50) Toluene-d8	10.103	98	1284070	52.653	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.300%
62) 4-Bromofluorobenzene	12.401	95	382572	48.779	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.560%

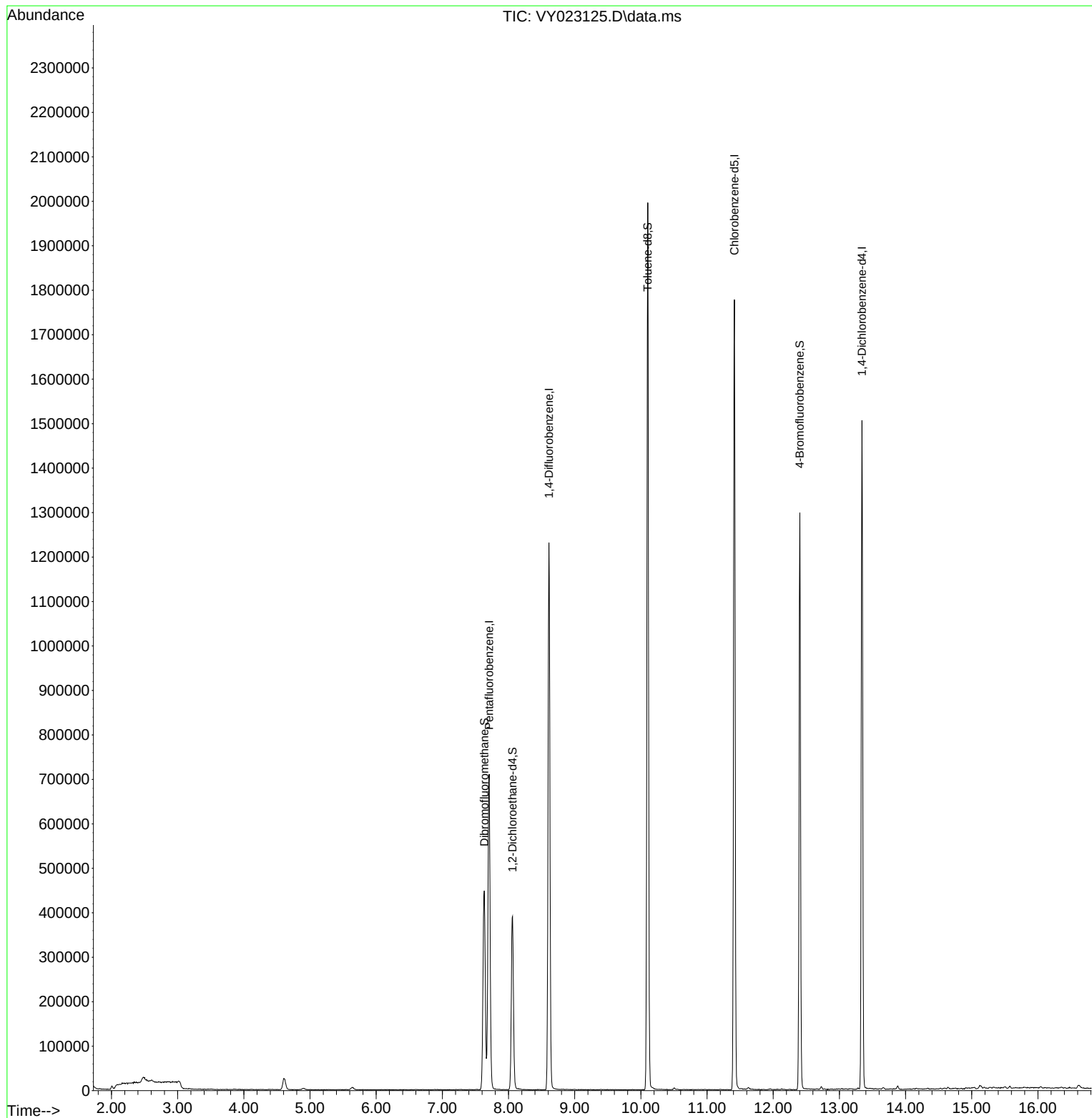
Target Compounds	Qvalue

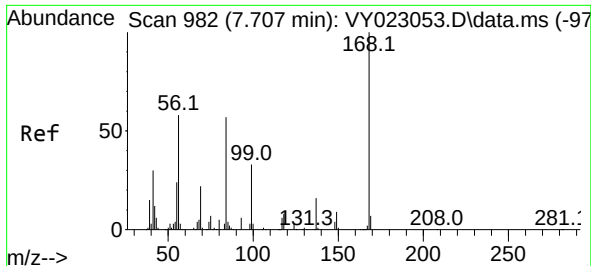
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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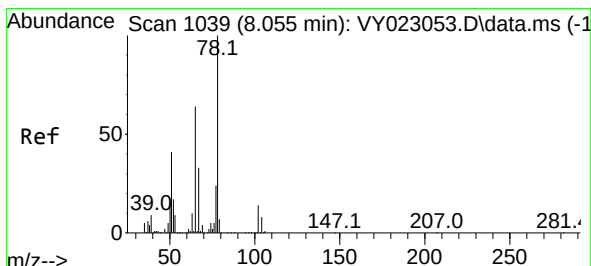
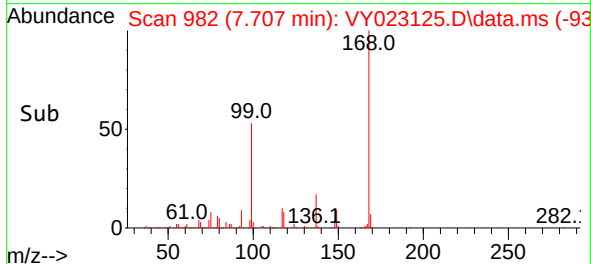
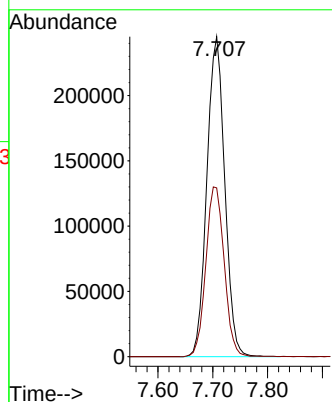
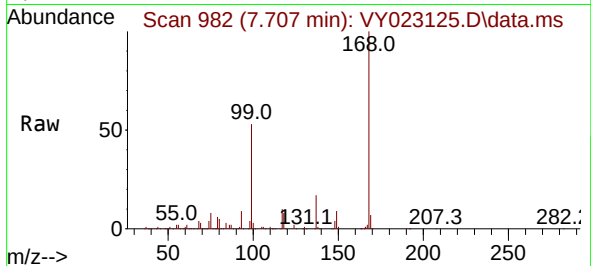




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023125.D
Acq: 15 Aug 2025 15:11

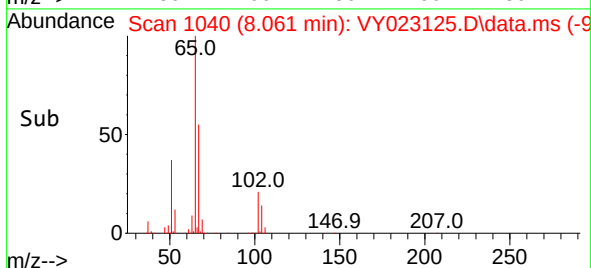
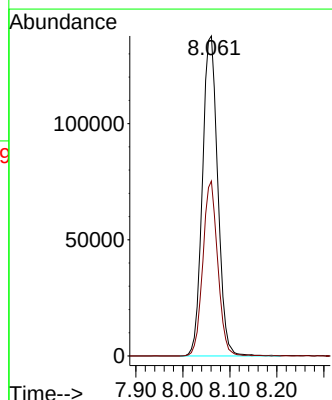
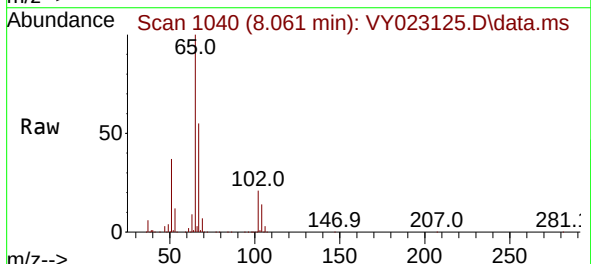
Instrument :
MSVOA_Y
ClientSampleId :
TG-S03

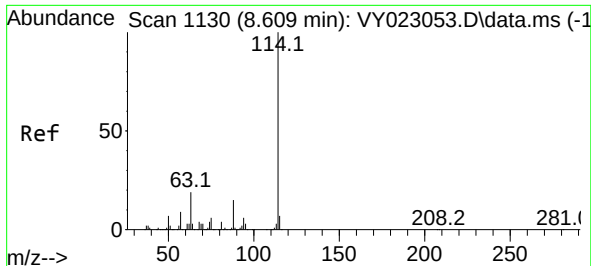
Tgt Ion:168 Resp: 553899
Ion Ratio Lower Upper
168 100
99 52.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.217 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023125.D
Acq: 15 Aug 2025 15:11

Tgt Ion: 65 Resp: 312610
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

TG-S03

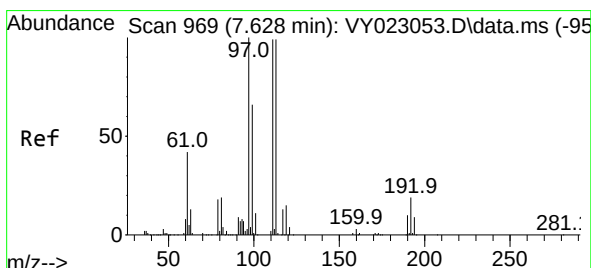
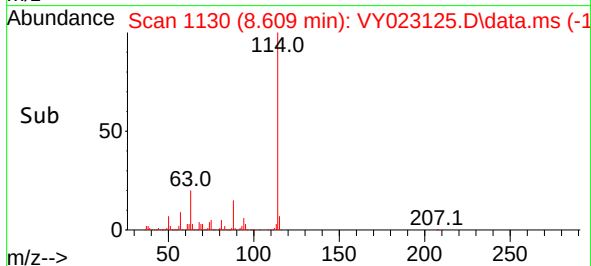
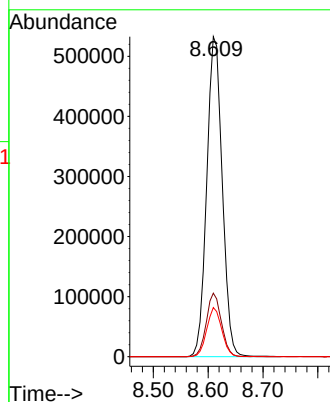
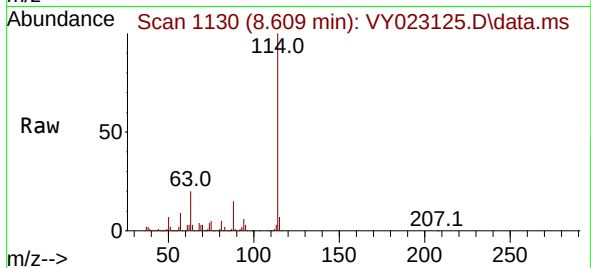
Tgt Ion:114 Resp: 1043284

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.427 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

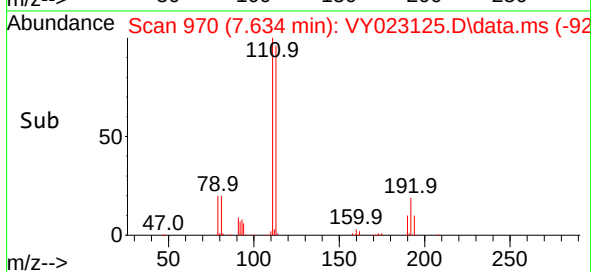
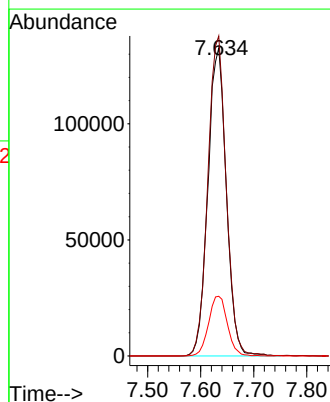
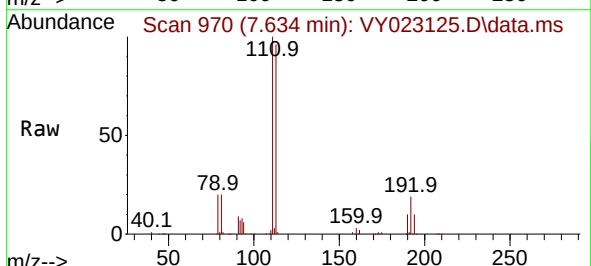
Tgt Ion:113 Resp: 321045

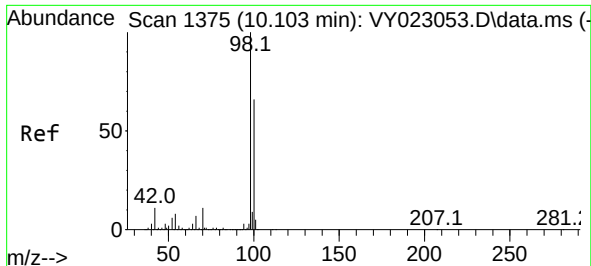
Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

192 19.7 16.2 24.4

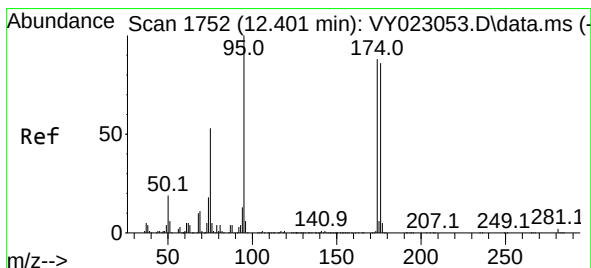
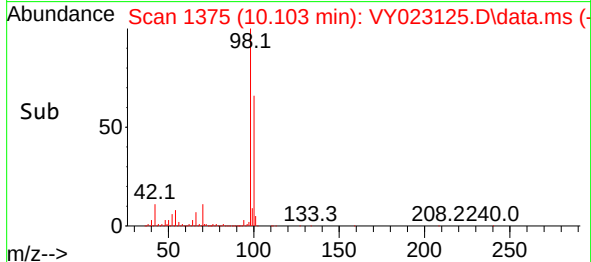
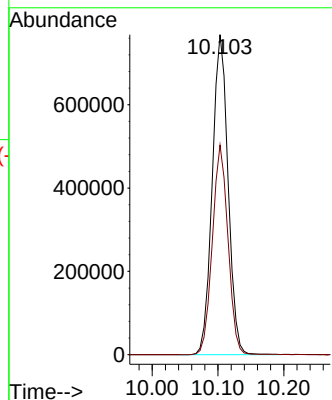
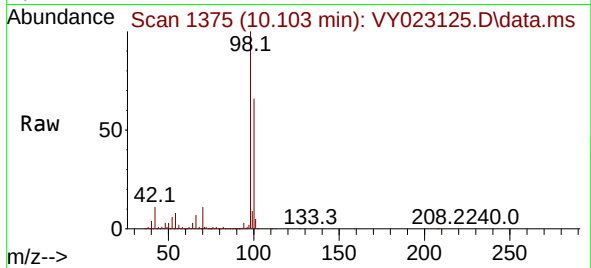




#50
Toluene-d8
Concen: 52.653 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023125.D
Acq: 15 Aug 2025 15:11

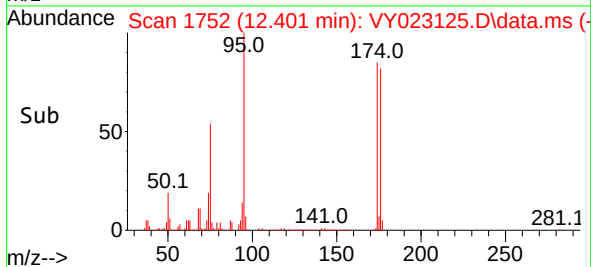
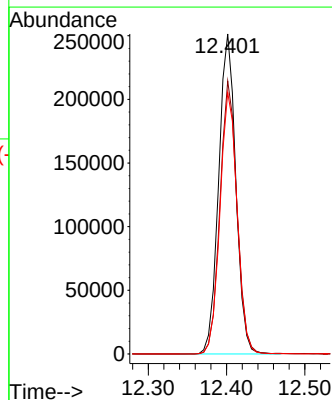
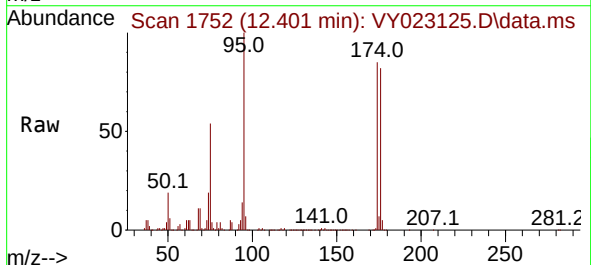
Instrument :
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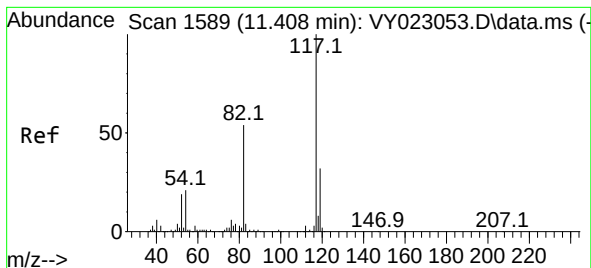
Tgt Ion: 98 Resp: 1284070
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.779 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023125.D
Acq: 15 Aug 2025 15:11

Tgt Ion: 95 Resp: 382572
Ion Ratio Lower Upper
95 100
174 84.7 0.0 171.6
176 82.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

TG-S03

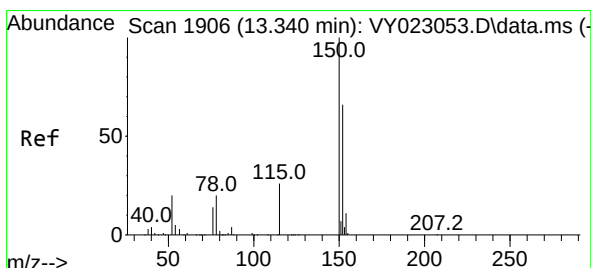
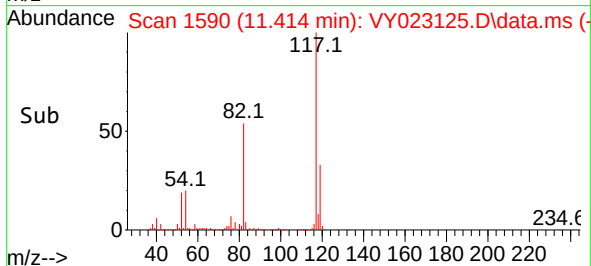
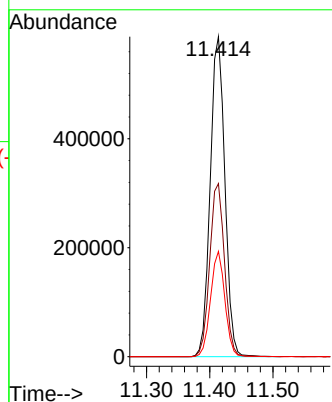
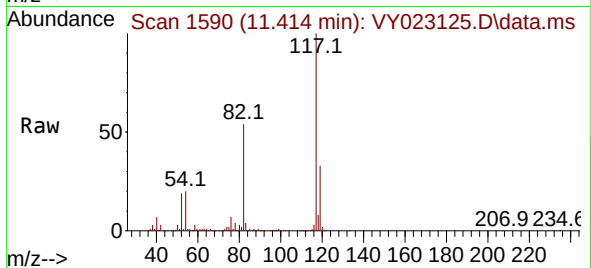
Tgt Ion:117 Resp: 947118

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 32.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY023125.D

Acq: 15 Aug 2025 15:11

Tgt Ion:152 Resp: 378902

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 153.9 0.0 348.0

