

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023126.D
 Acq On : 15 Aug 2025 15:34
 Operator : SY/MD
 Sample : Q2832-07
 Misc : 4.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S04

Quant Time: Aug 18 02:30:31 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	567197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1071652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	957867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	386816	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	319898	59.177	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.360%
35) Dibromofluoromethane	7.634	113	338713	52.821	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.640%
50) Toluene-d8	10.103	98	1291975	51.574	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.140%
62) 4-Bromofluorobenzene	12.401	95	384540	47.732	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.460%

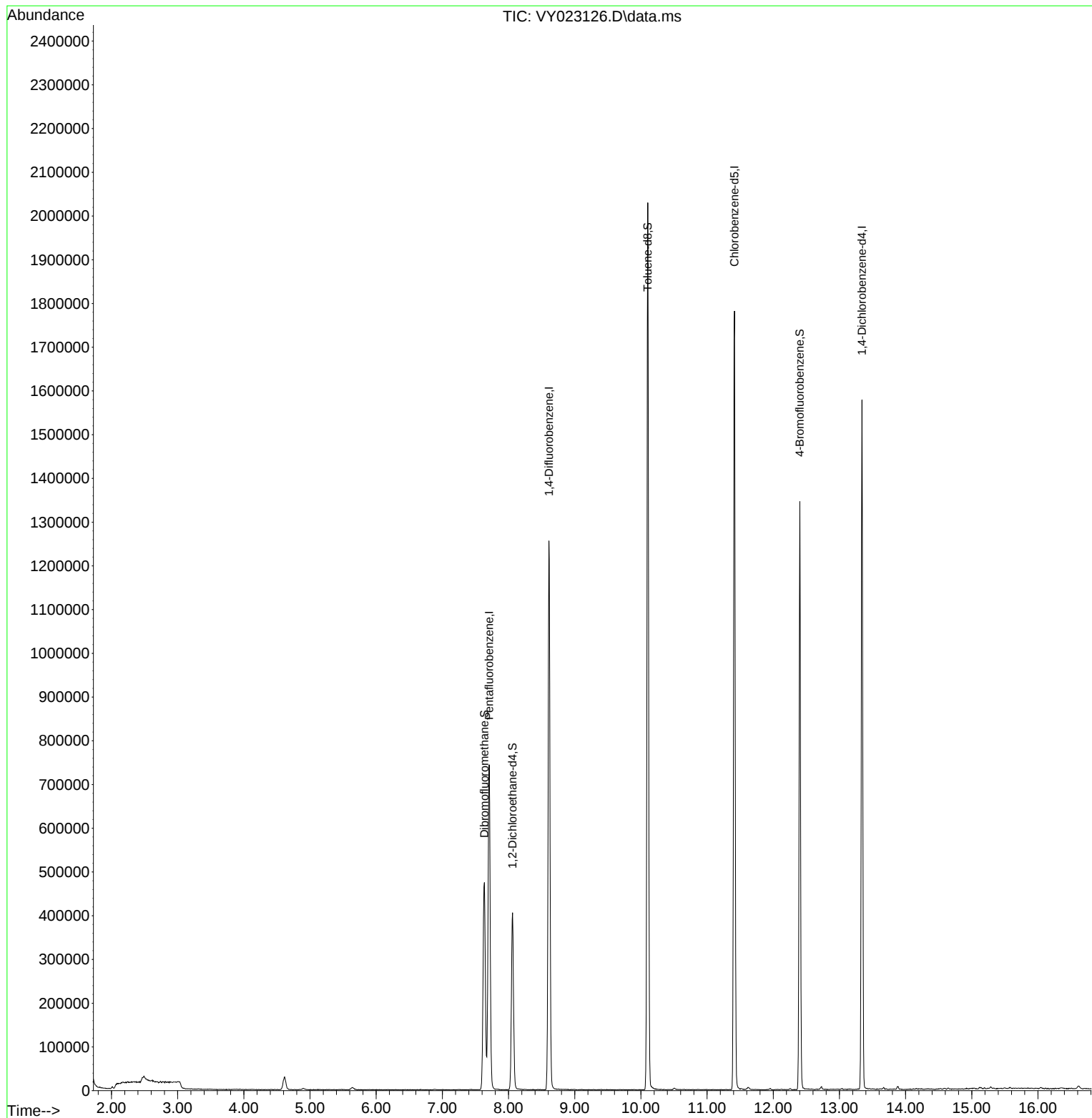
Target Compounds	Qvalue

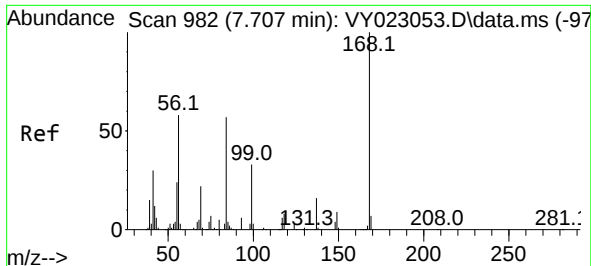
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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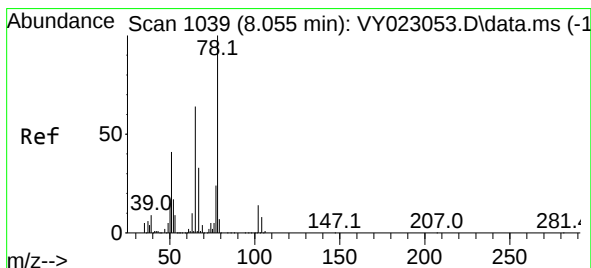
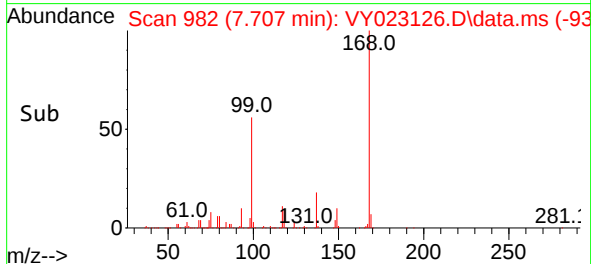
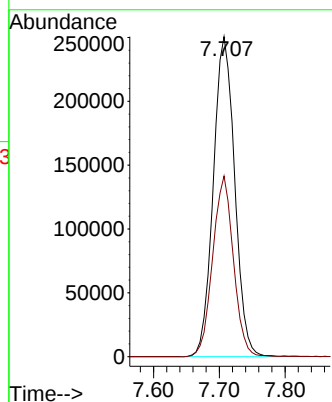
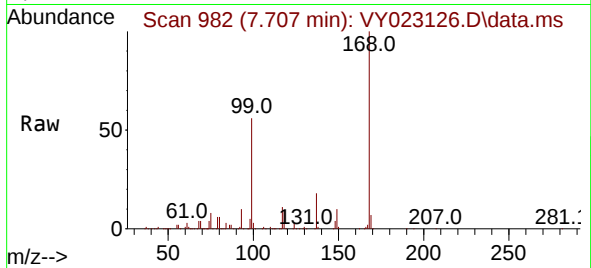




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

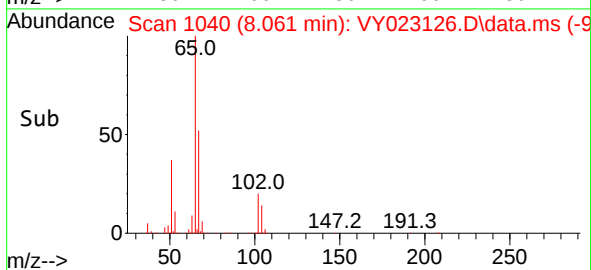
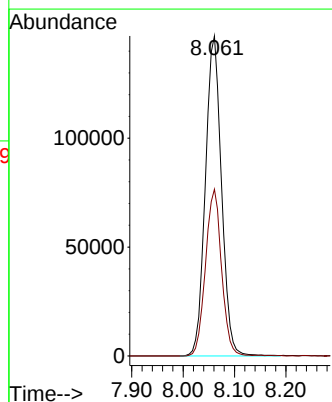
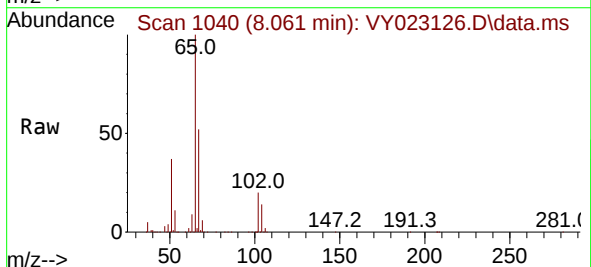
Instrument :
MSVOA_Y
ClientSampleId :
TG-S04

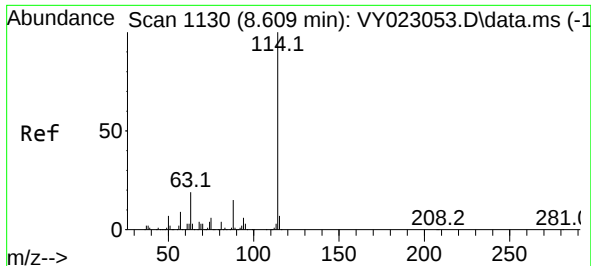
Tgt Ion:168 Resp: 567197
Ion Ratio Lower Upper
168 100
99 56.4 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.177 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

Tgt Ion: 65 Resp: 319898
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.8

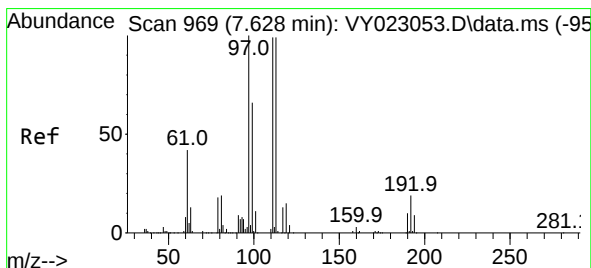
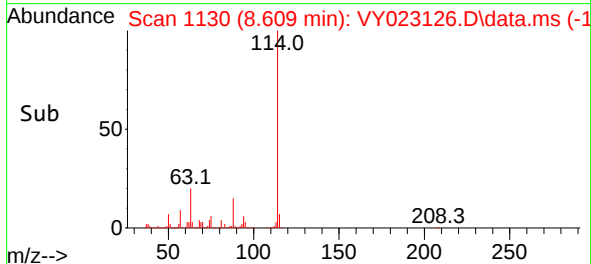
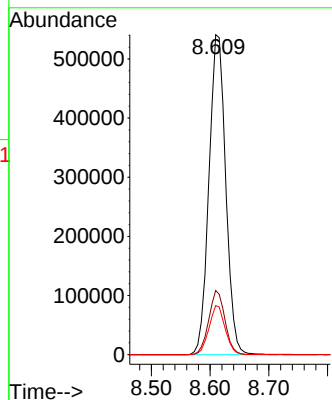
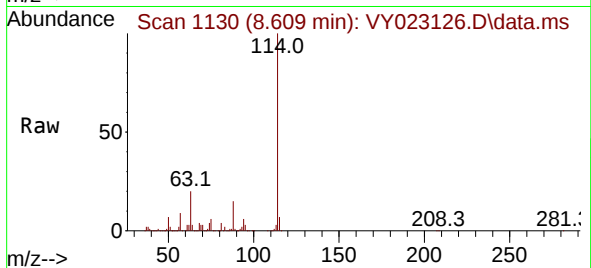




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

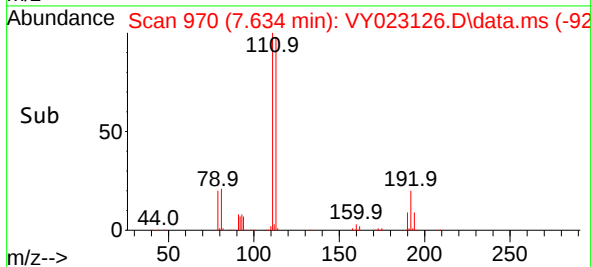
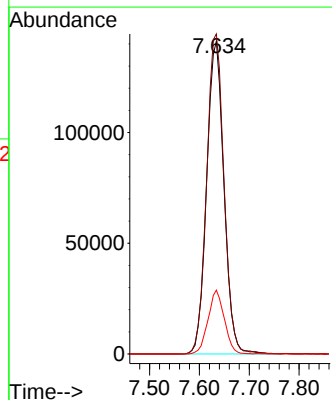
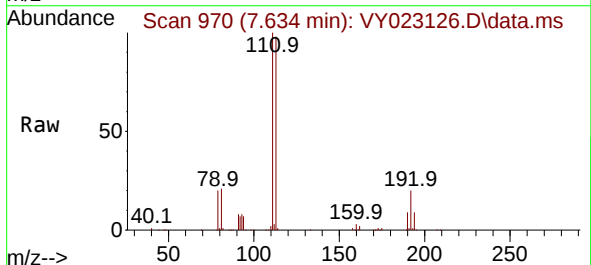
Instrument :
MSVOA_Y
ClientSampleId :
TG-S04

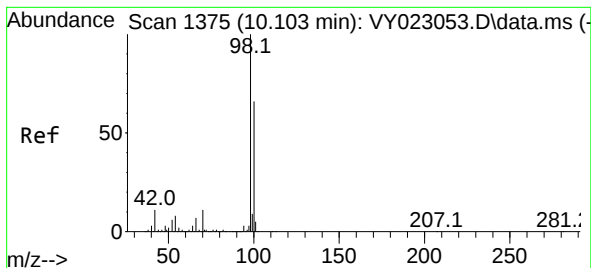
Tgt Ion:114 Resp: 1071652
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.4
88 15.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.821 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

Tgt Ion:113 Resp: 338713
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 19.3 16.2 24.4

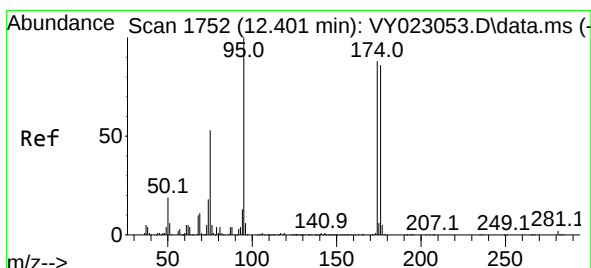
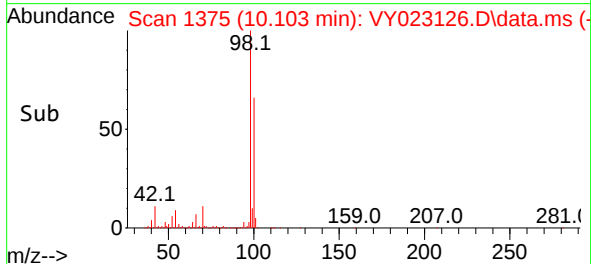
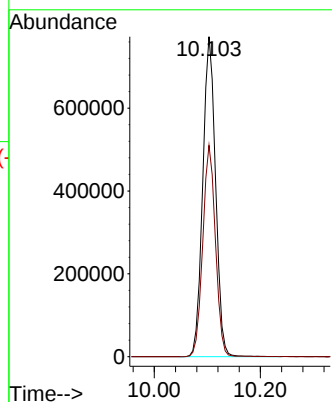
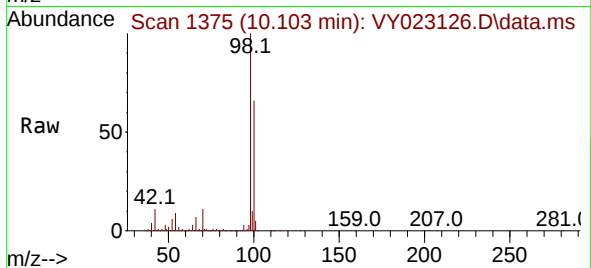




#50
Toluene-d8
Concen: 51.574 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

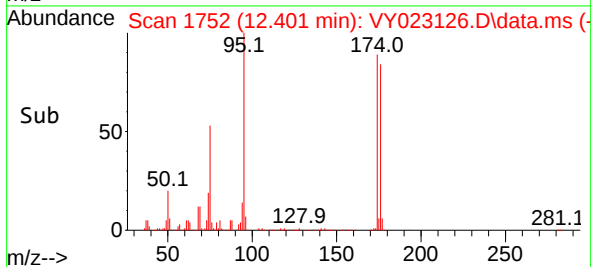
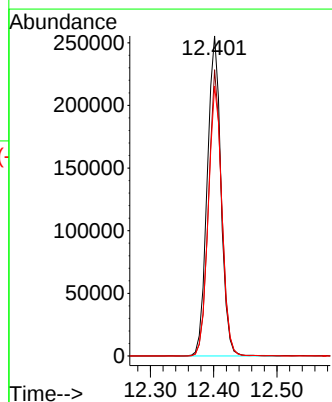
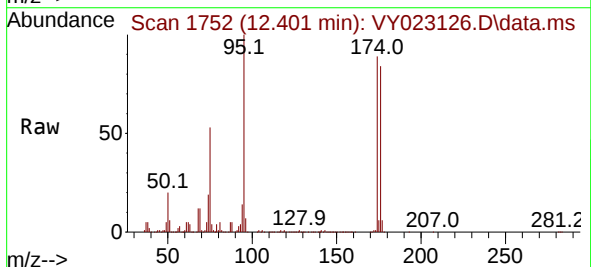
Instrument :
MSVOA_Y
ClientSampleId :
TG-S04

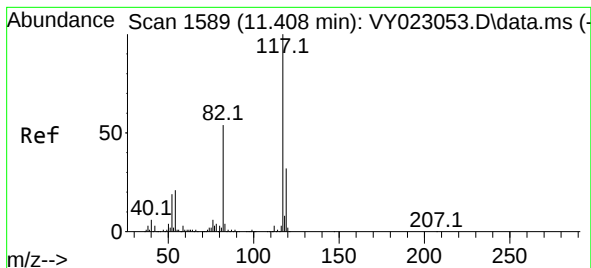
Tgt Ion: 98 Resp: 1291975
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.732 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023126.D
Acq: 15 Aug 2025 15:34

Tgt Ion: 95 Resp: 384540
Ion Ratio Lower Upper
95 100
174 85.9 0.0 171.6
176 83.9 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: VY023126.D

Acq: 15 Aug 2025 15:34

Instrument :

MSVOA_Y

ClientSampleId :

TG-S04

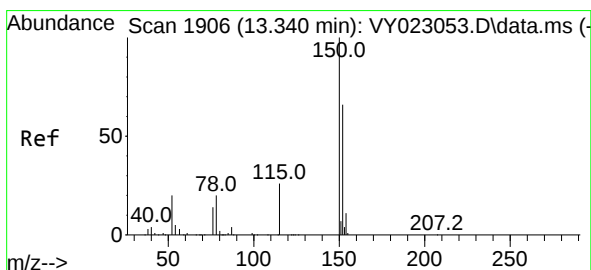
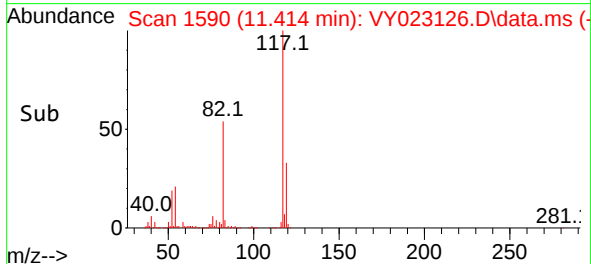
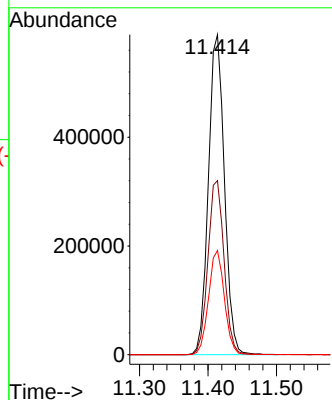
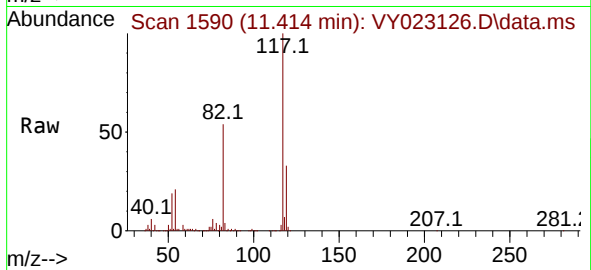
Tgt Ion:117 Resp: 957867

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 32.6 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: VY023126.D

Acq: 15 Aug 2025 15:34

Tgt Ion:152 Resp: 386816

Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.6

150 158.4 0.0 348.0

