

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023377.D
 Acq On : 25 Sep 2025 16:29
 Operator : SY/MD
 Sample : Q3210-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SG-1

Quant Time: Sep 26 04:26:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	369574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	696190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	664319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	283482	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	206492	63.585	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.160%
35) Dibromofluoromethane	7.634	113	238329	56.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.000%
50) Toluene-d8	10.109	98	821747	51.138	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.280%
62) 4-Bromofluorobenzene	12.401	95	263855	52.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.360%

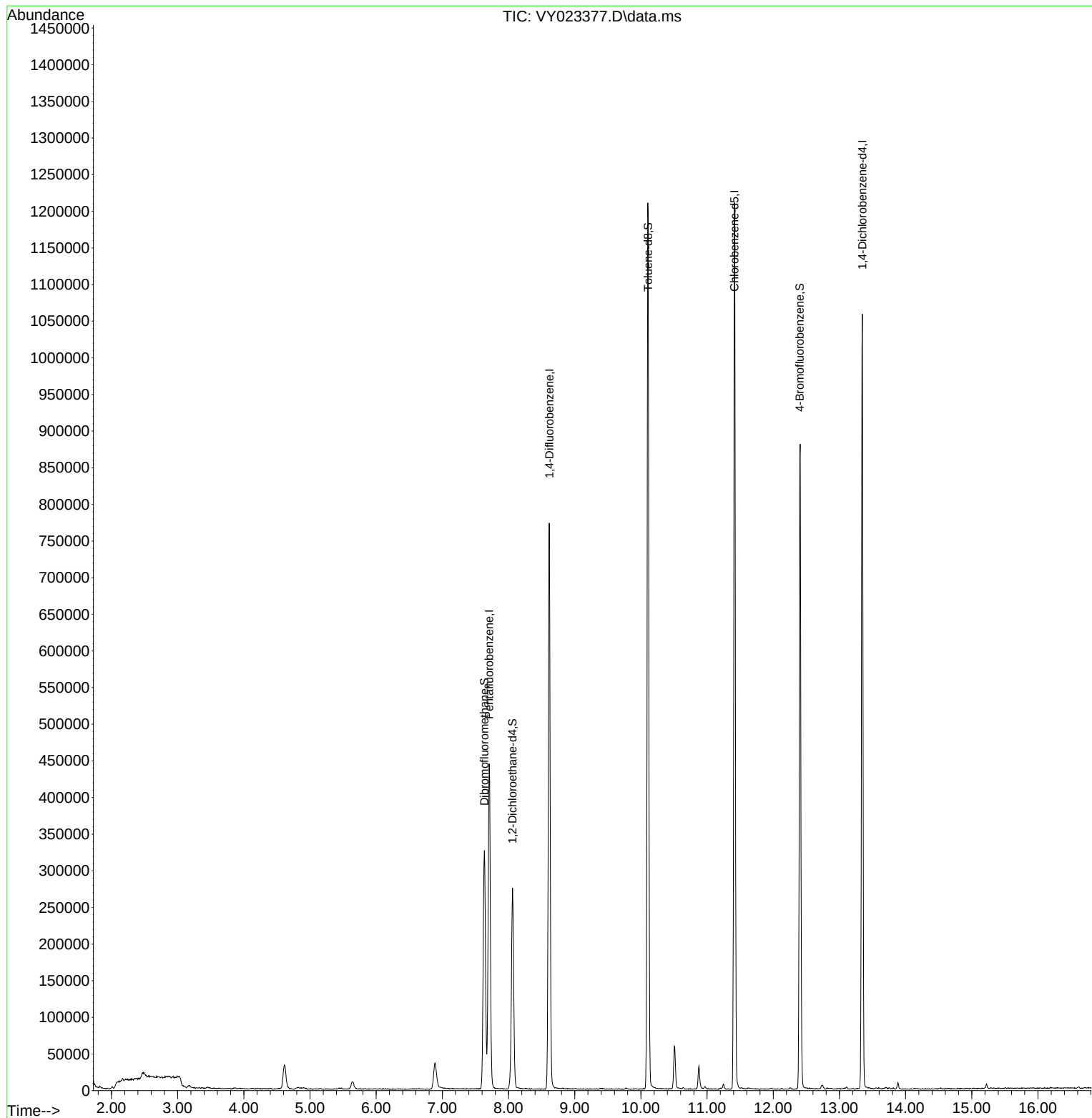
Target Compounds	Qvalue

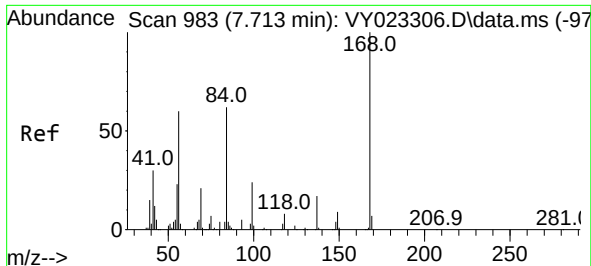
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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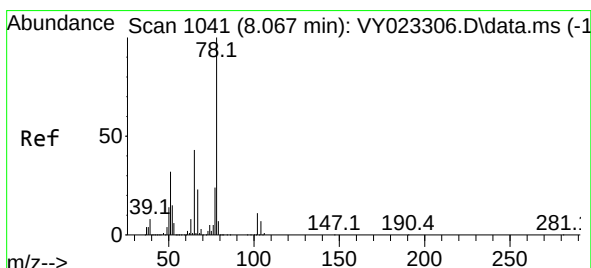
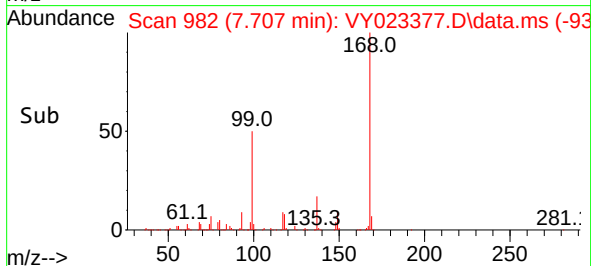
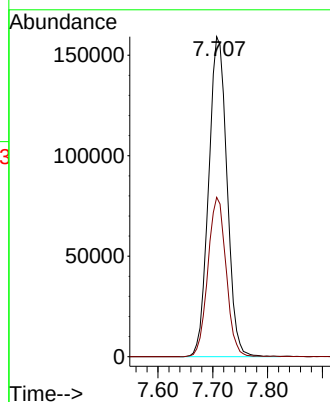
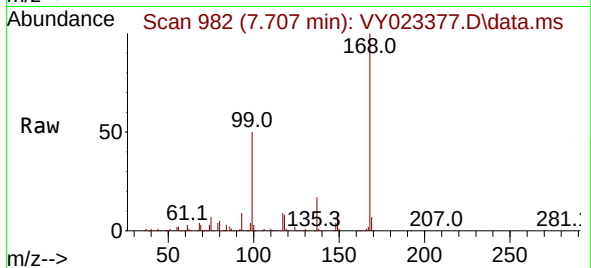




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

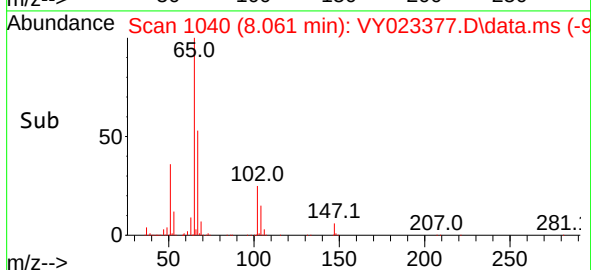
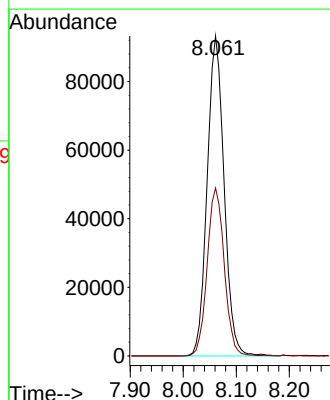
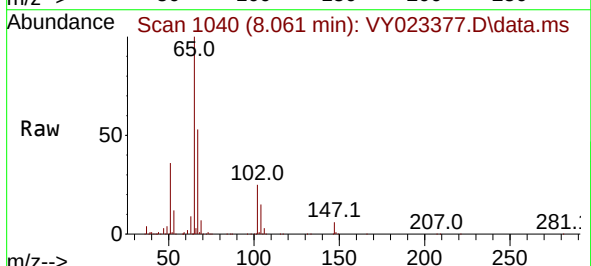
Instrument :
MSVOA_Y
ClientSampleId :
SG-1

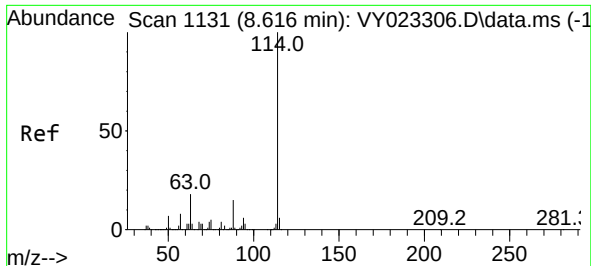
Tgt Ion:168 Resp: 369574
Ion Ratio Lower Upper
168 100
99 49.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 63.585 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

Tgt Ion: 65 Resp: 206492
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

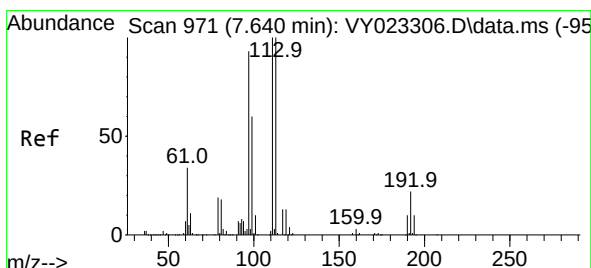
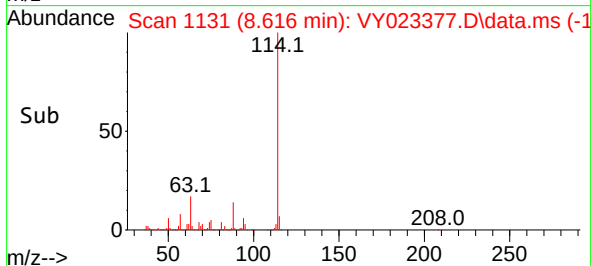
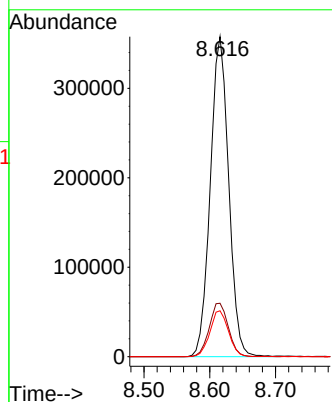
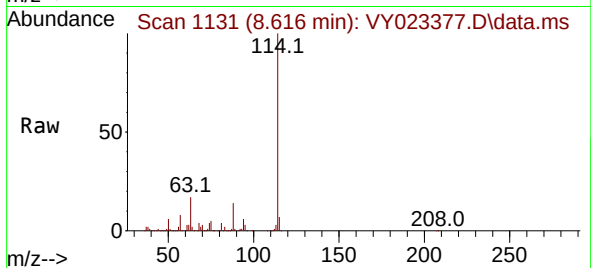




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

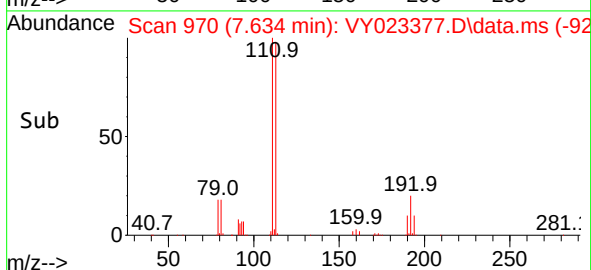
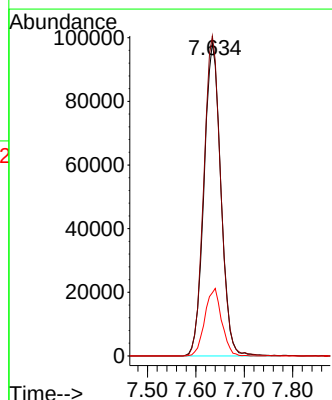
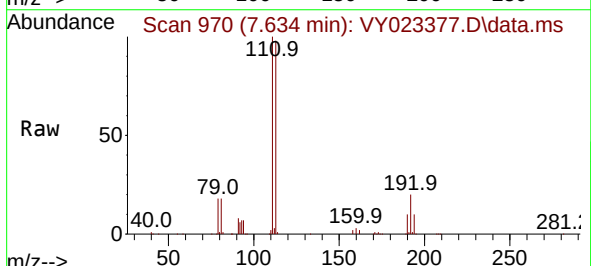
Instrument :
MSVOA_Y
ClientSampleId :
SG-1

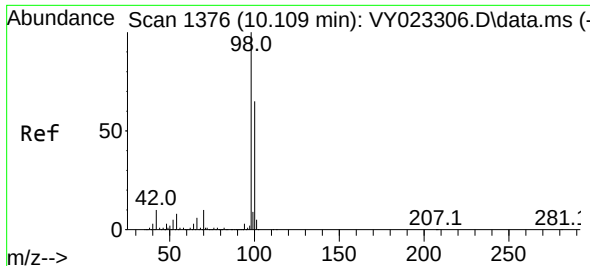
Tgt Ion:114 Resp: 696190
Ion Ratio Lower Upper
114 100
63 16.7 0.0 38.4
88 14.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 56.004 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

Tgt Ion:113 Resp: 238329
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 21.5 16.2 24.4

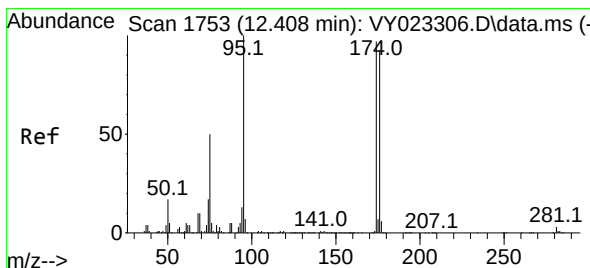
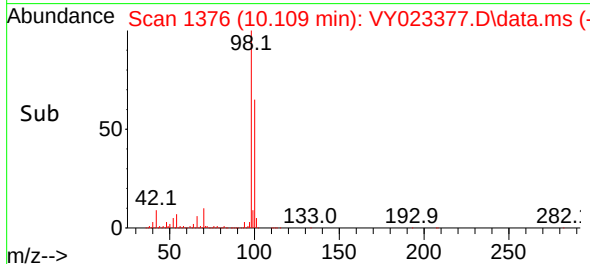
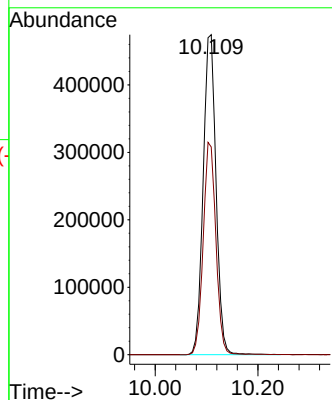
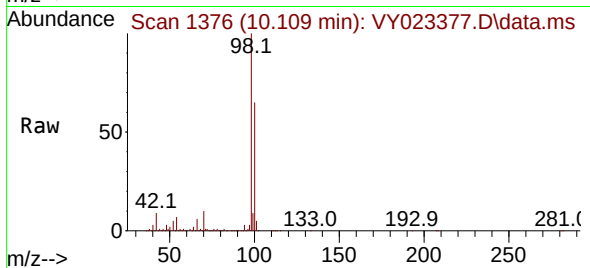




#50
Toluene-d8
Concen: 51.138 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

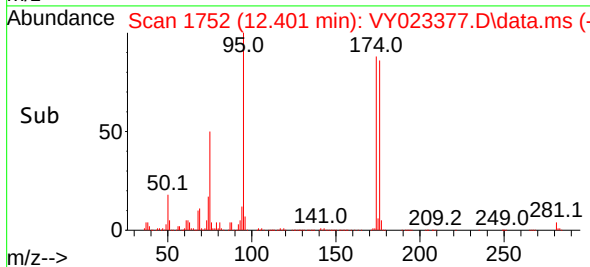
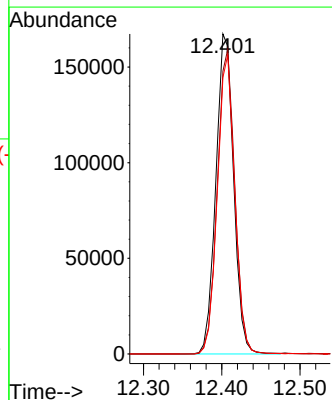
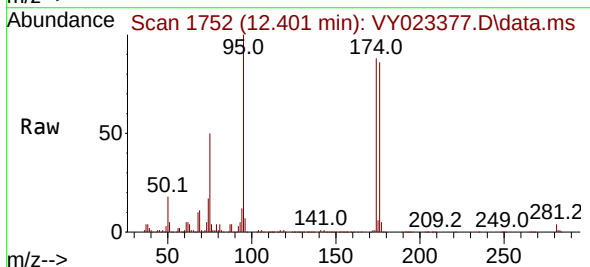
Instrument :
MSVOA_Y
ClientSampleId :
SG-1

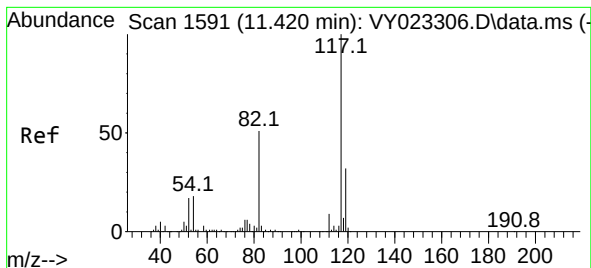
Tgt Ion: 98 Resp: 821747
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 52.177 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023377.D
Acq: 25 Sep 2025 16:29

Tgt Ion: 95 Resp: 263855
Ion Ratio Lower Upper
95 100
174 93.9 0.0 171.6
176 91.4 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: VY023377.D

Acq: 25 Sep 2025 16:29

Instrument :

MSVOA_Y

ClientSampleId :

SG-1

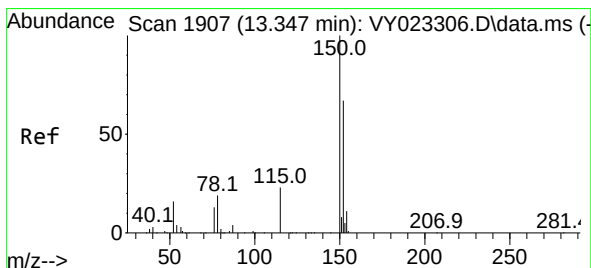
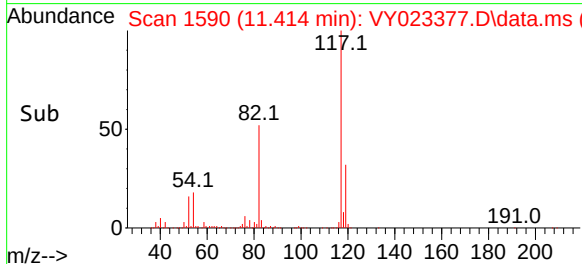
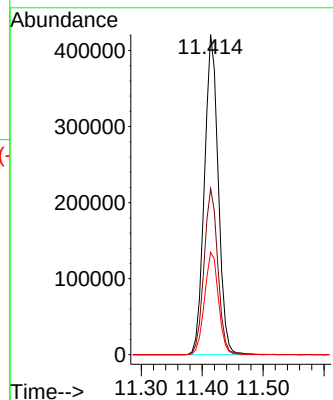
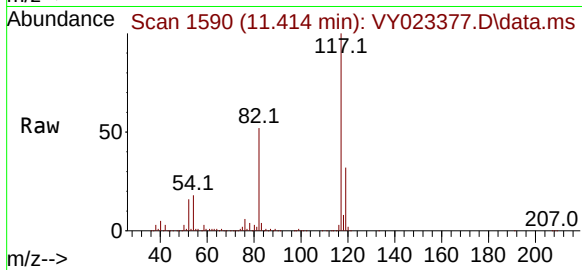
Tgt Ion:117 Resp: 664319

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023377.D

Acq: 25 Sep 2025 16:29

Tgt Ion:152 Resp: 283482

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.6

150 158.4 0.0 348.0

