

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023127.D
 Acq On : 15 Aug 2025 15:58
 Operator : SY/MD
 Sample : Q2832-09
 Misc : 3.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TG-S05

Quant Time: Aug 18 02:30:52 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	551145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1030444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	844477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	274172	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	302583	57.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.200%
35) Dibromofluoromethane	7.634	113	325447	52.782	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.560%
50) Toluene-d8	10.103	98	1228191	50.989	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.980%
62) 4-Bromofluorobenzene	12.401	95	308762	39.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.720%

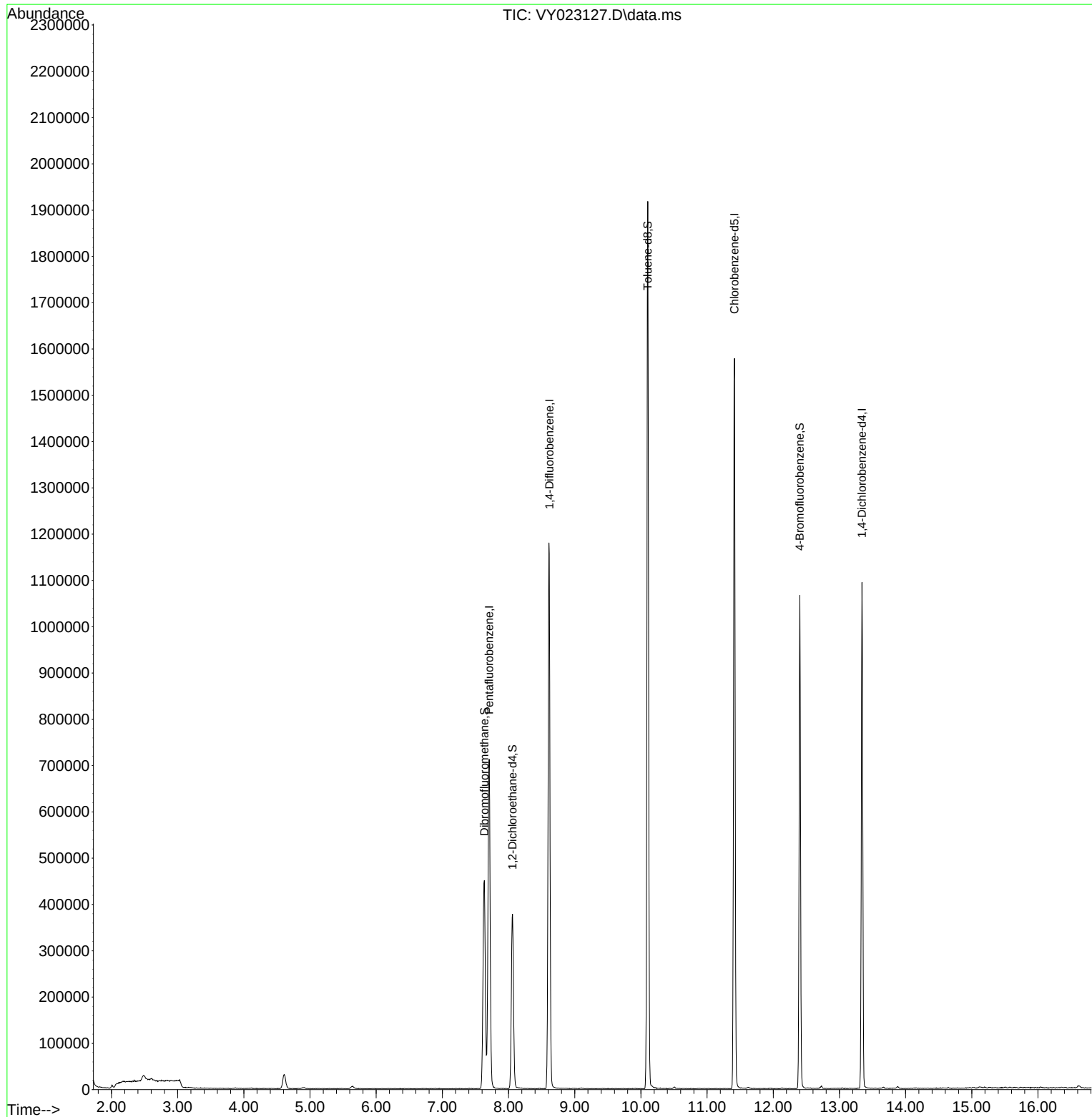
Target Compounds	Qvalue

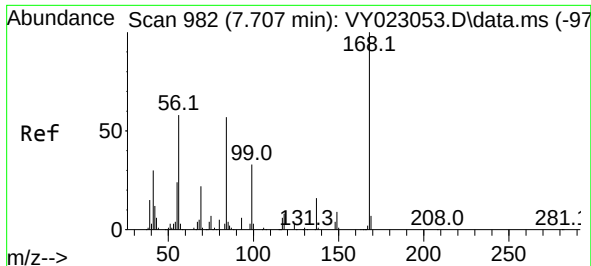
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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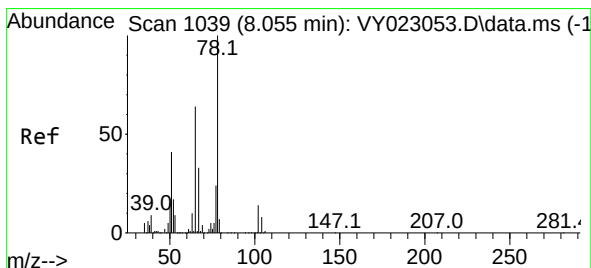
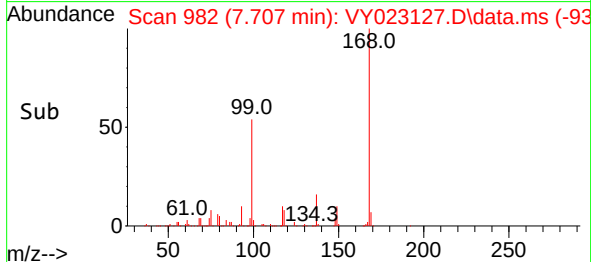
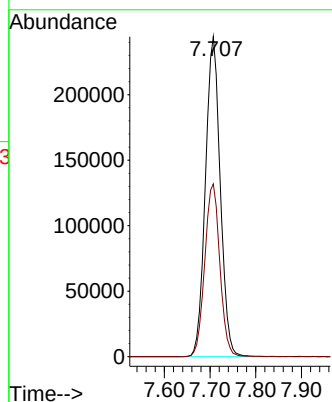
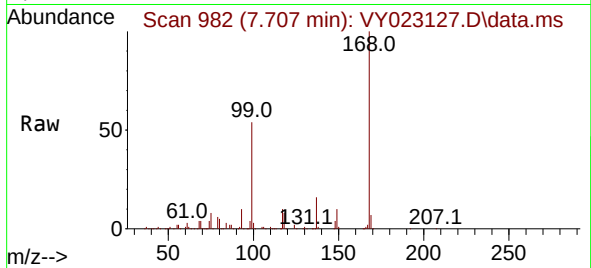




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

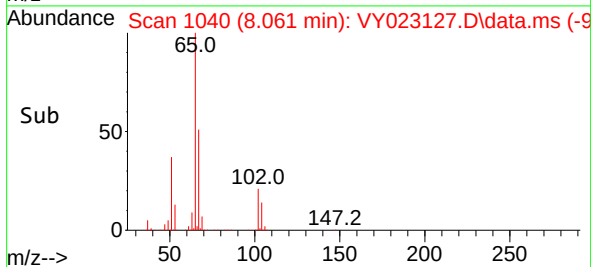
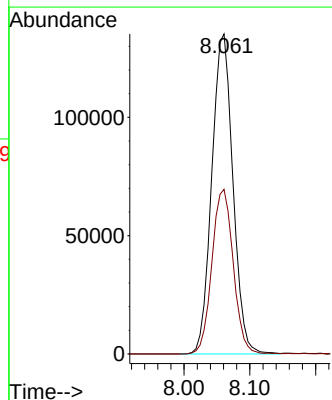
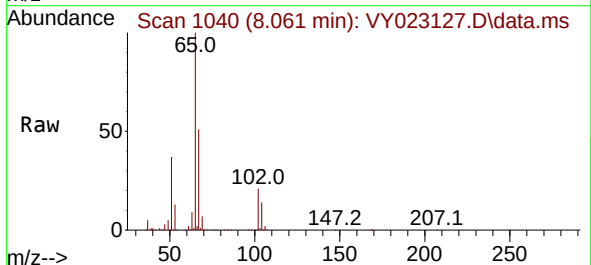
Instrument :
MSVOA_Y
ClientSampleId :
TG-S05

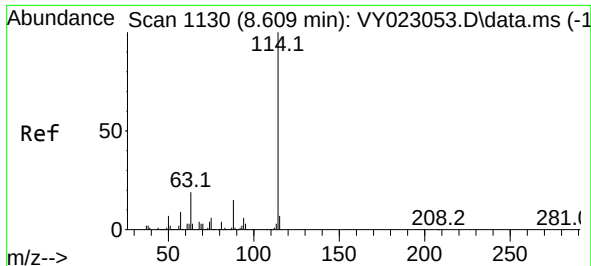
Tgt Ion:168 Resp: 551145
Ion Ratio Lower Upper
168 100
99 54.0 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 57.604 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 65 Resp: 302583
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8

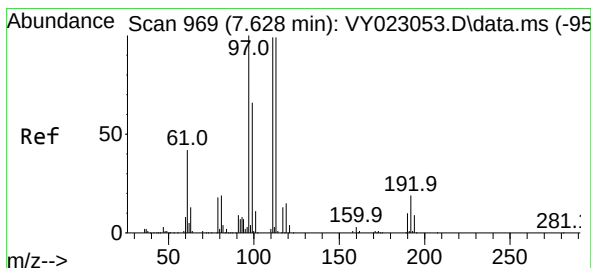
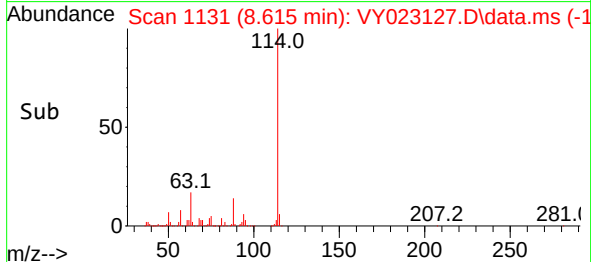
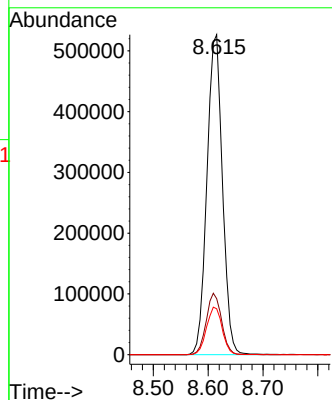
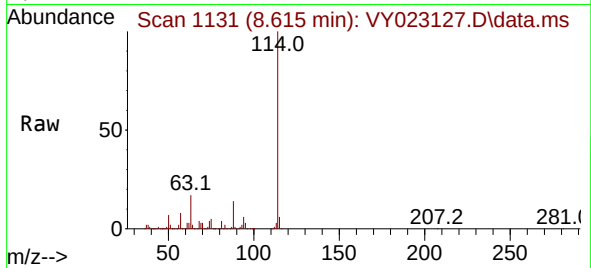




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

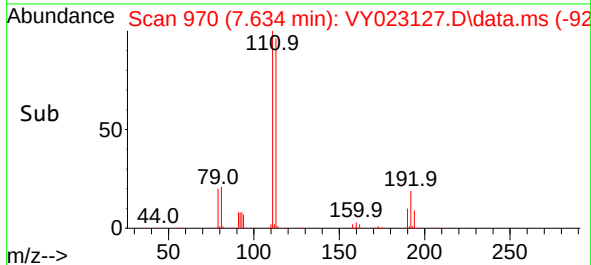
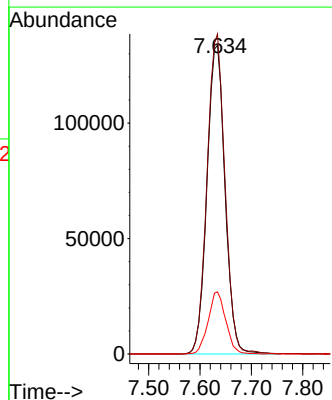
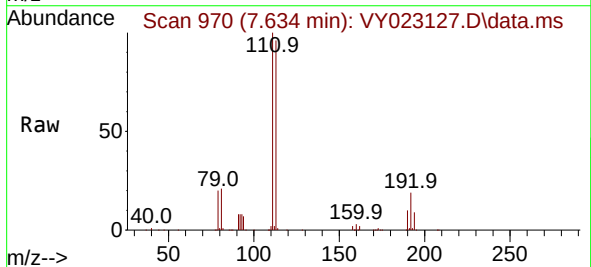
Instrument :
MSVOA_Y
ClientSampleId :
TG-S05

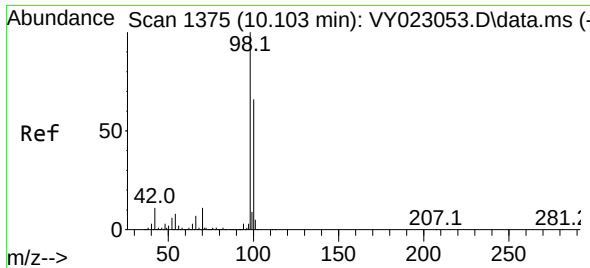
Tgt Ion:114 Resp: 1030444
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 14.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.782 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

Tgt Ion:113 Resp: 325447
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 19.7 16.2 24.4

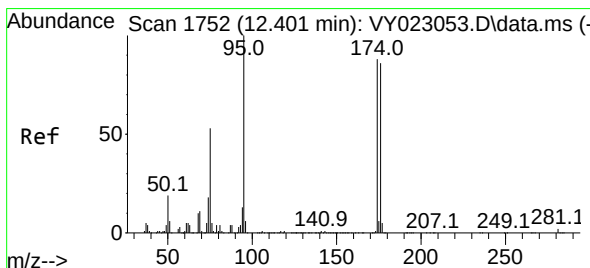
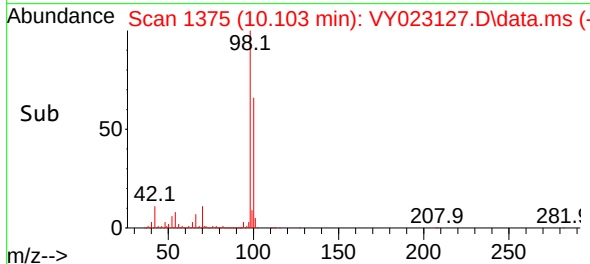
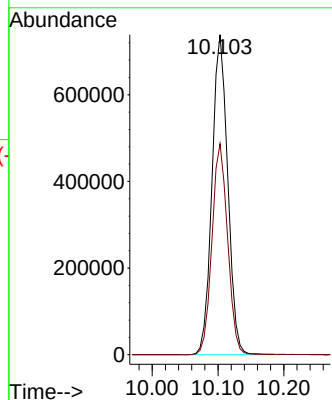
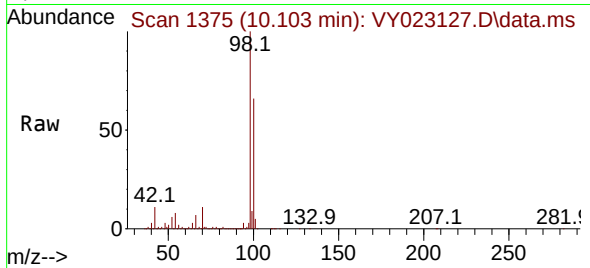




#50
Toluene-d8
Concen: 50.989 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

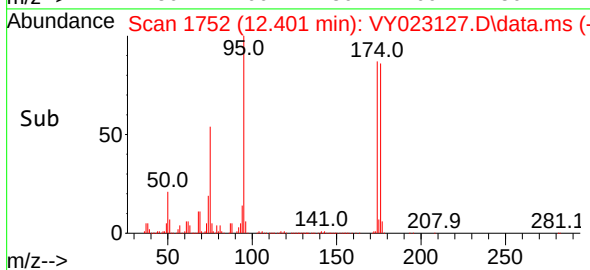
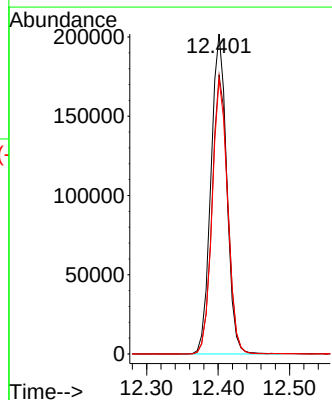
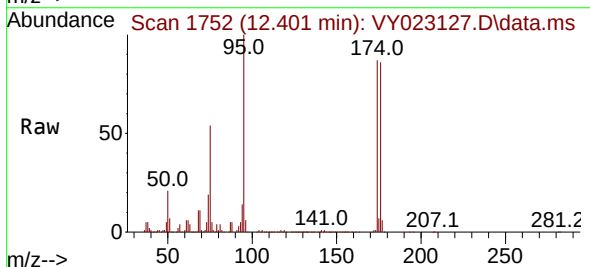
Instrument :
MSVOA_Y
ClientSampleId :
TG-S05

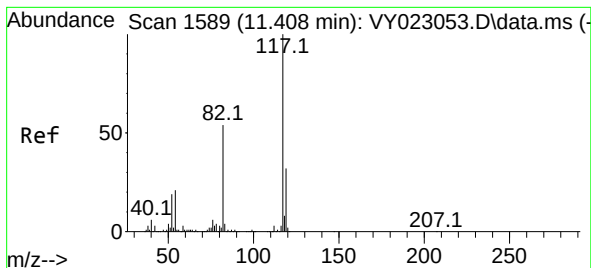
Tgt Ion: 98 Resp: 1228191
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 39.858 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023127.D
Acq: 15 Aug 2025 15:58

Tgt Ion: 95 Resp: 308762
Ion Ratio Lower Upper
95 100
174 86.6 0.0 171.6
176 84.3 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: VY023127.D

Acq: 15 Aug 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

TG-S05

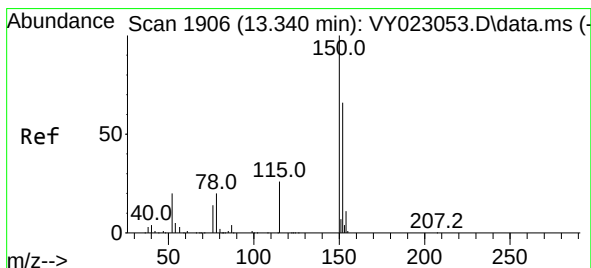
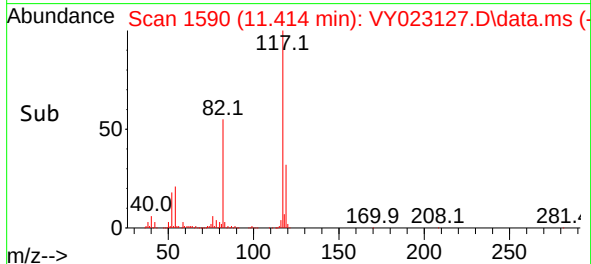
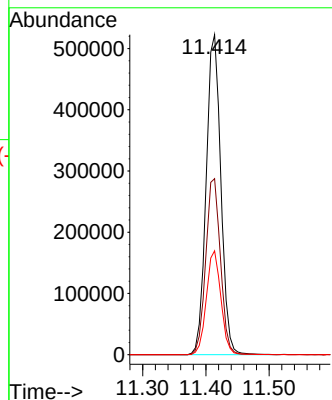
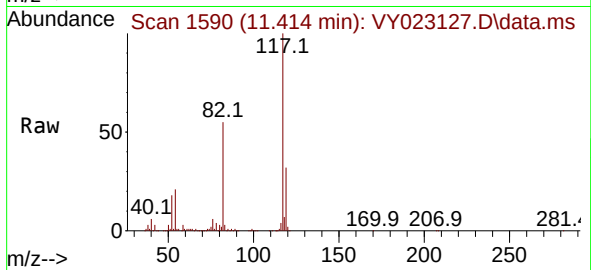
Tgt Ion:117 Resp: 844477

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 32.5 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: VY023127.D

Acq: 15 Aug 2025 15:58

Tgt Ion:152 Resp: 274172

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.6

150 154.8 0.0 348.0

