

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022942.D
 Acq On : 03 Jul 2025 15:00
 Operator : SY/MD
 Sample : Q2487-05RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G2(2.5)RE

Quant Time: Jul 07 08:23:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	247861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	437126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	308489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	72021	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	127917	46.240	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.480%
35) Dibromofluoromethane	7.634	113	140708	52.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.860%
50) Toluene-d8	10.103	98	509346	48.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.560%
62) 4-Bromofluorobenzene	12.401	95	98294	28.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.980%

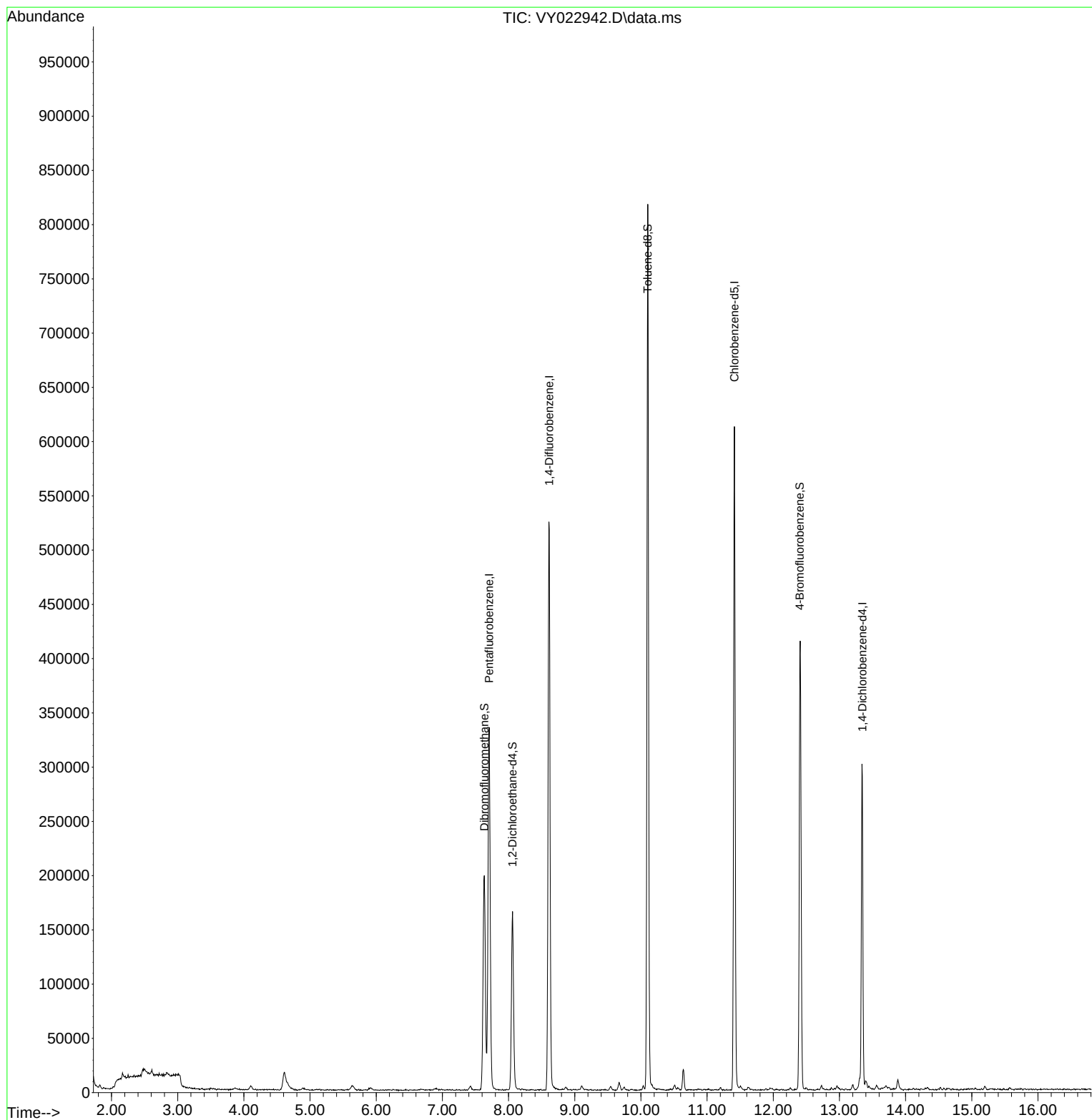
Target Compounds	Qvalue

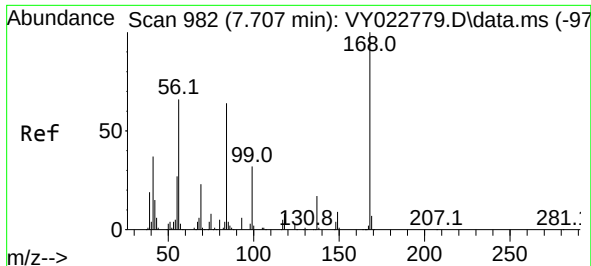
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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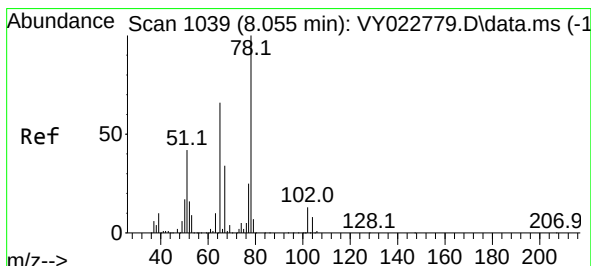
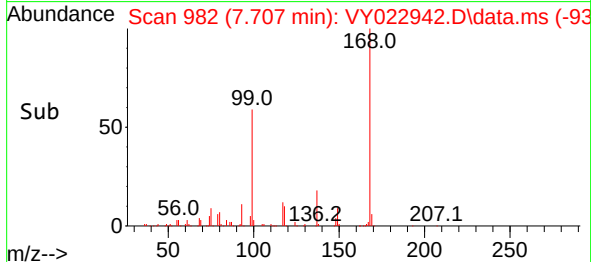
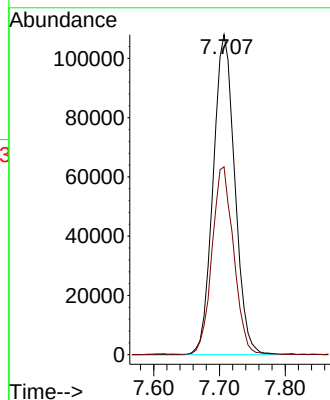
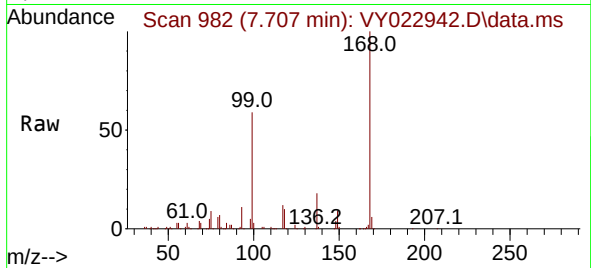




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

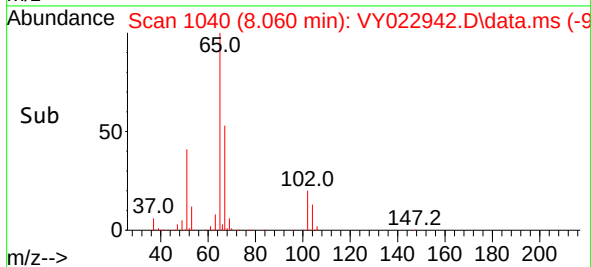
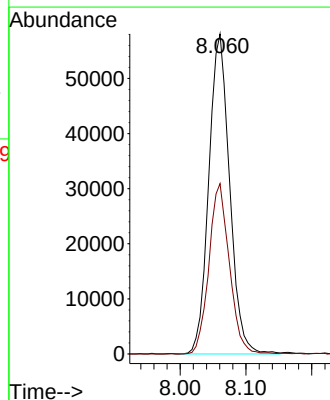
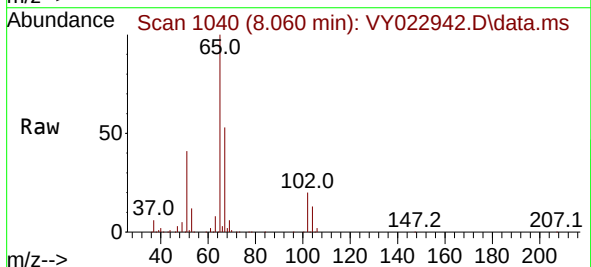
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)RE

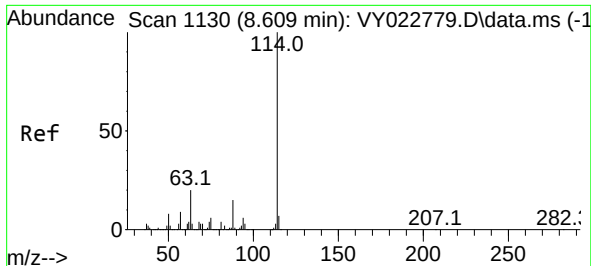
Tgt Ion:168 Resp: 247861
Ion Ratio Lower Upper
168 100
99 58.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 46.240 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

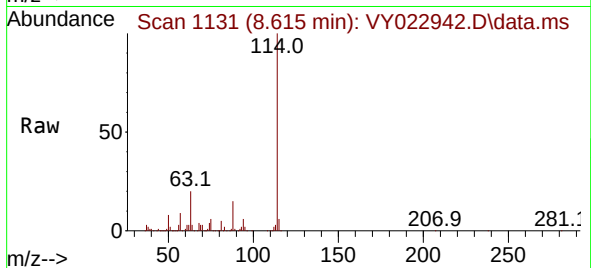
Tgt Ion: 65 Resp: 127917
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4



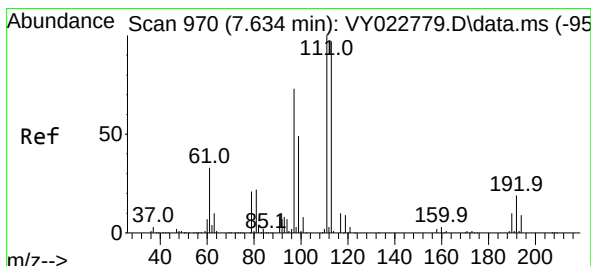
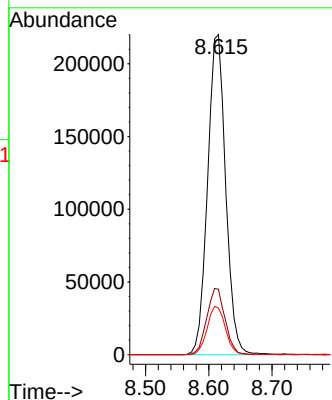
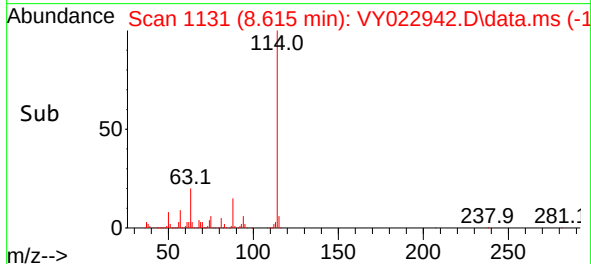


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)RE

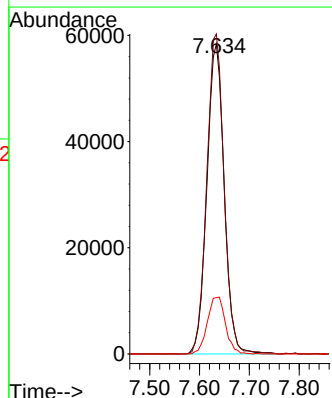
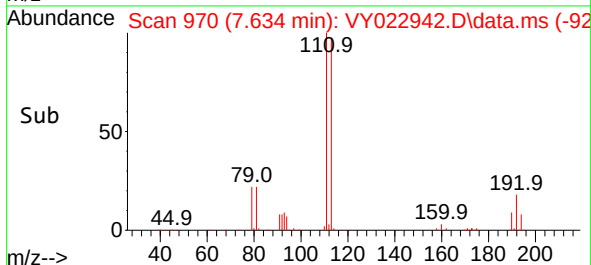
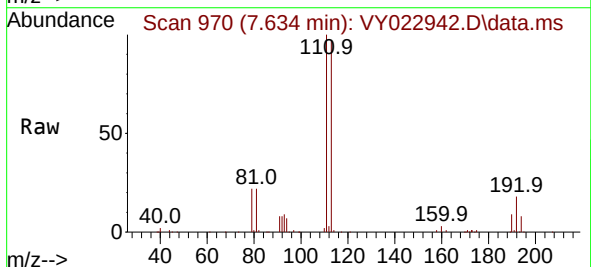


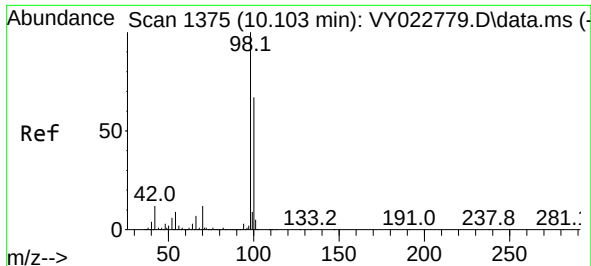
Tgt Ion:114 Resp: 437126
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.930 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Tgt Ion:113 Resp: 140708
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 19.2 14.2 21.2

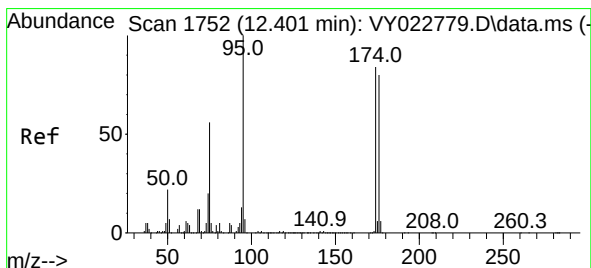
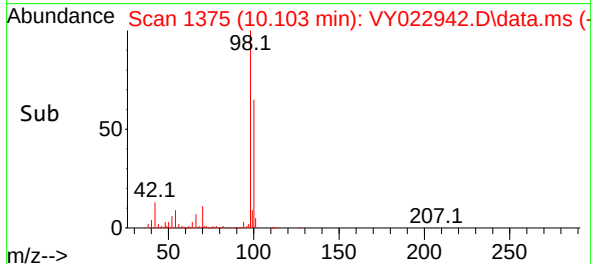
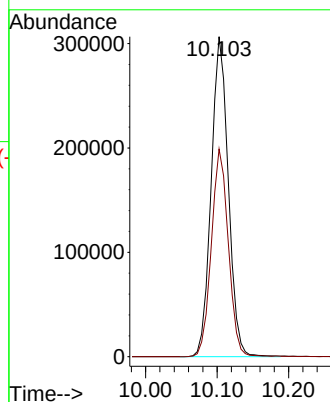
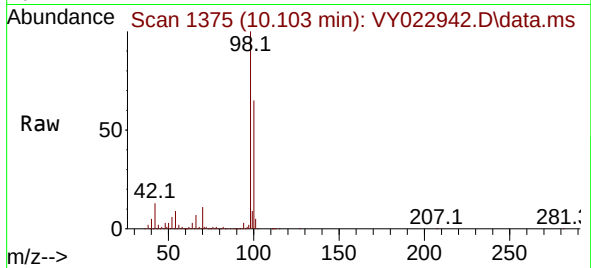




#50
Toluene-d8
Concen: 48.284 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

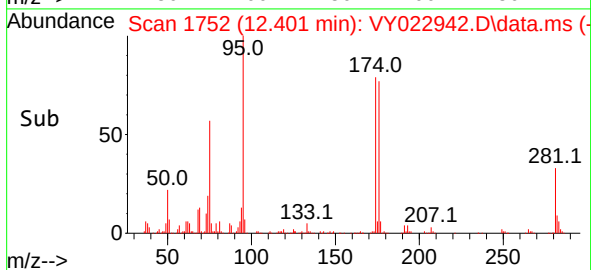
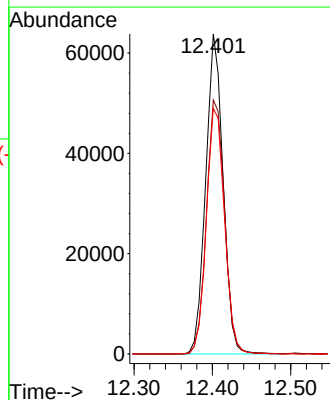
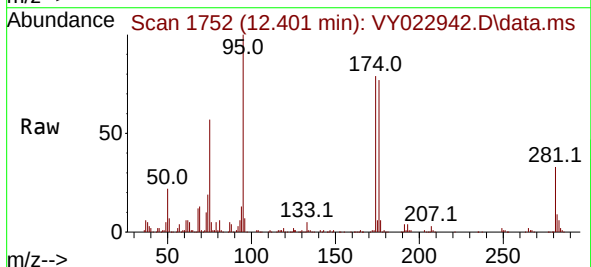
Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)RE

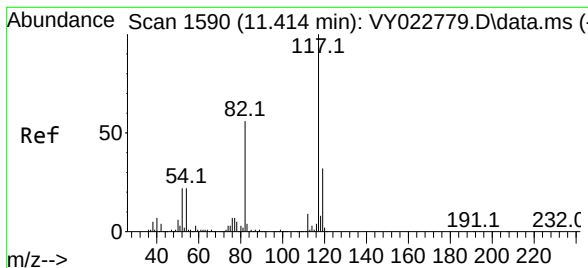
Tgt Ion: 98 Resp: 509346
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 28.986 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Tgt Ion: 95 Resp: 98294
Ion Ratio Lower Upper
95 100
174 82.6 0.0 170.0
176 80.2 0.0 166.2

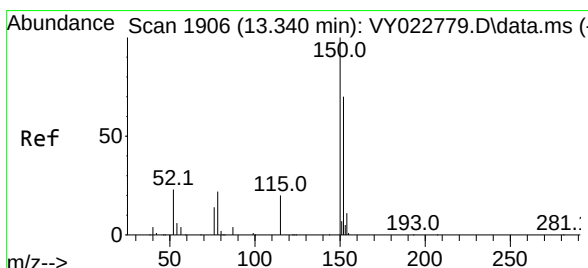
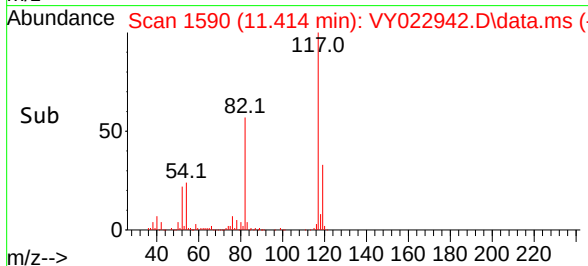
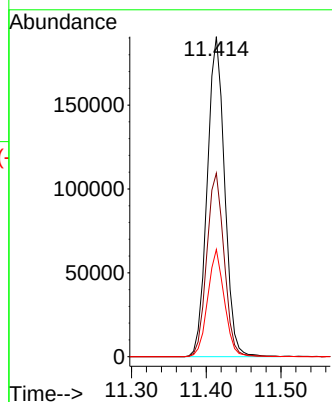
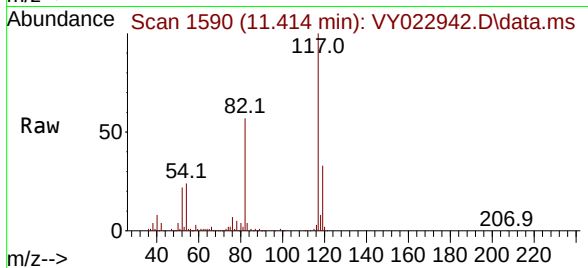




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
G2(2.5)RE

Tgt Ion:117 Resp: 308489
Ion Ratio Lower Upper
117 100
82 57.3 44.6 66.8
119 33.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022942.D
Acq: 03 Jul 2025 15:00

Tgt Ion:152 Resp: 72021
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.7
150 160.0 0.0 349.6

