

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022941.D
 Acq On : 03 Jul 2025 14:36
 Operator : SY/MD
 Sample : Q2487-04
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(3)

Quant Time: Jul 07 08:22:30 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	293406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	206599	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160756	49.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.180%
35) Dibromofluoromethane	7.634	113	170721	50.746	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.500%
50) Toluene-d8	10.103	98	674231	50.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.020%
62) 4-Bromofluorobenzene	12.402	95	218285	50.865	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.720%

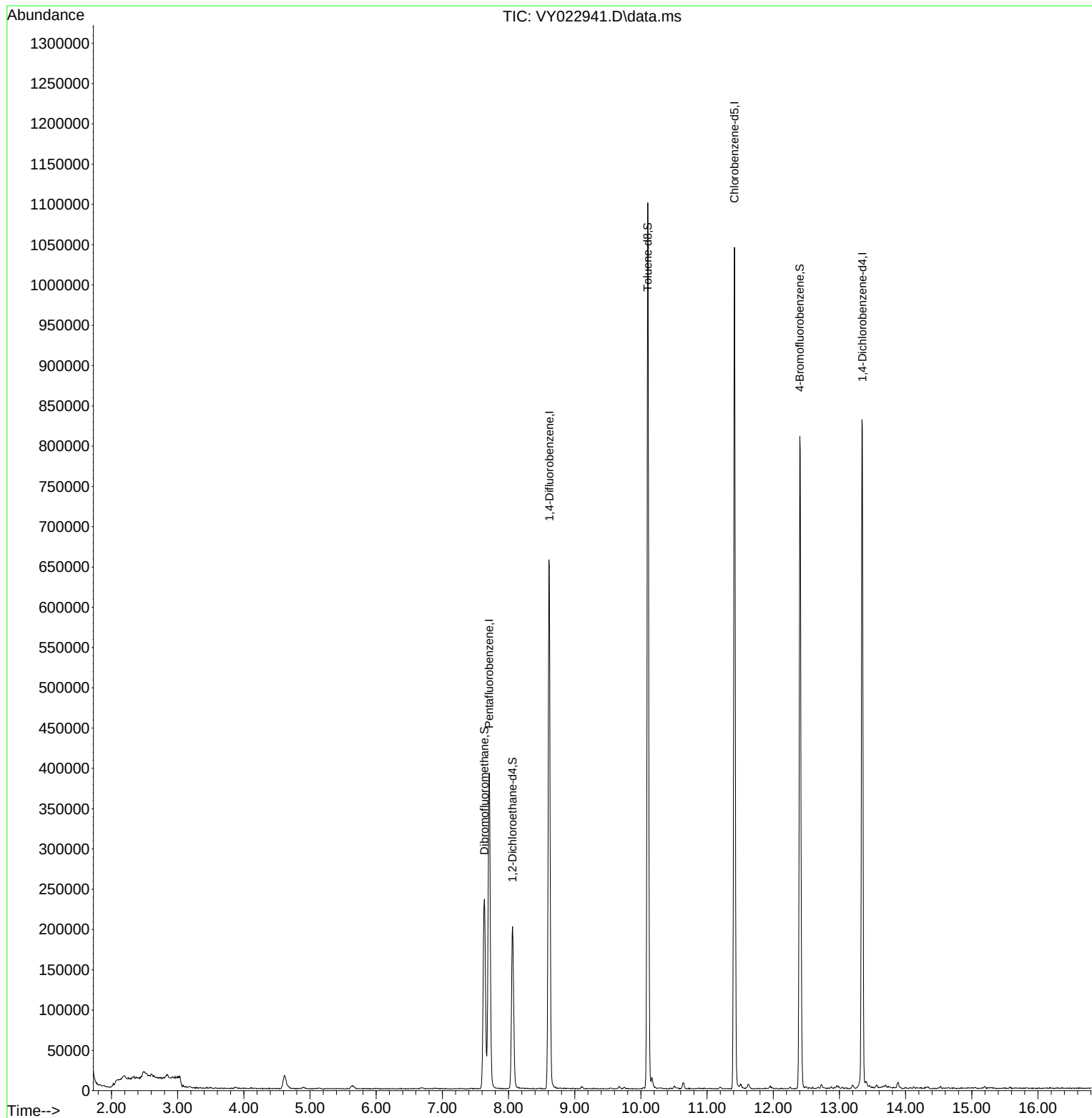
Target Compounds	Qvalue

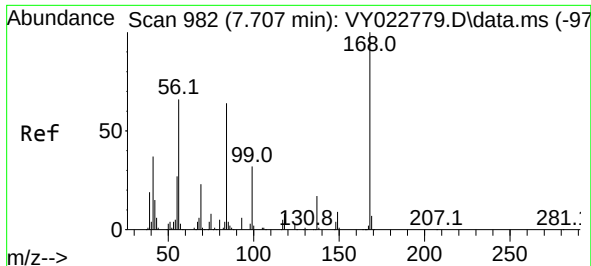
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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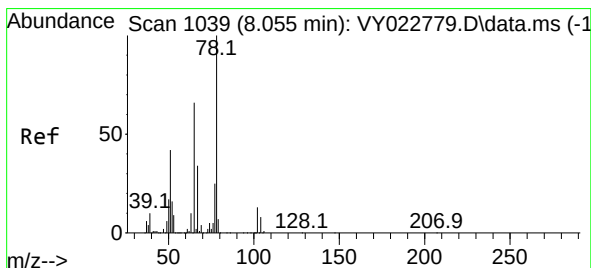
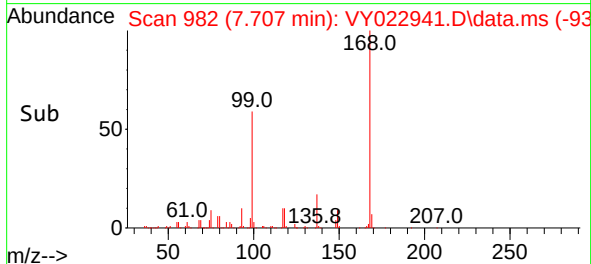
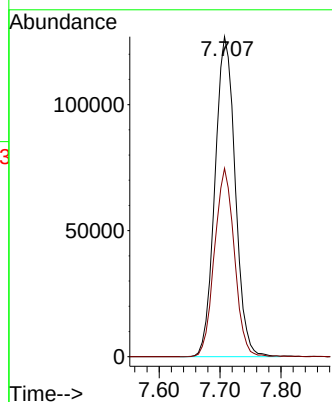
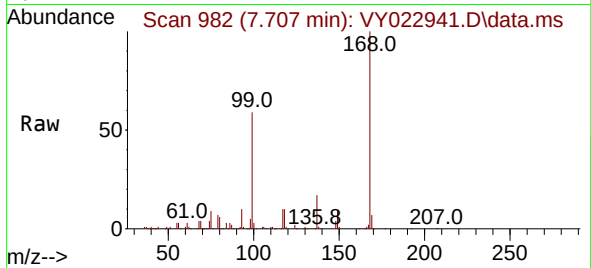




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

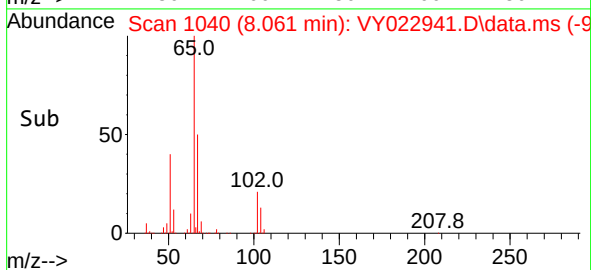
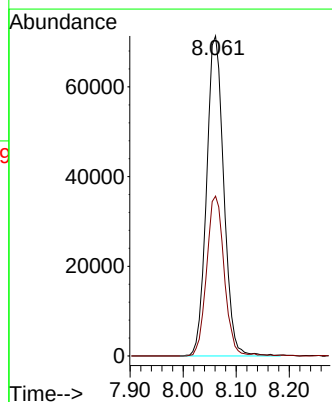
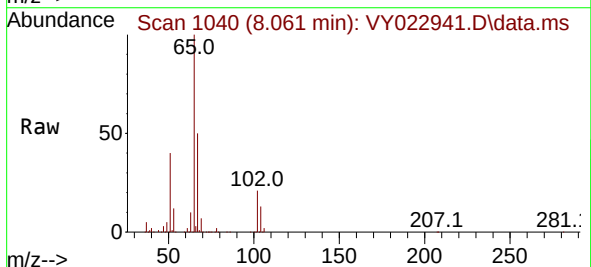
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

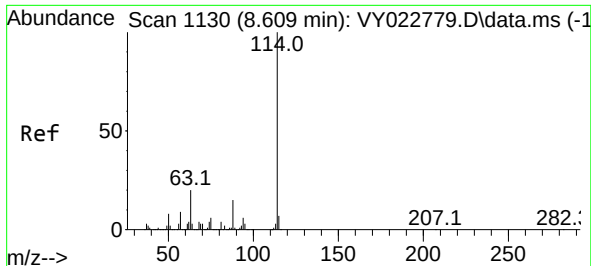
Tgt Ion:168 Resp: 293406
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.090 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion: 65 Resp: 160756
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.4

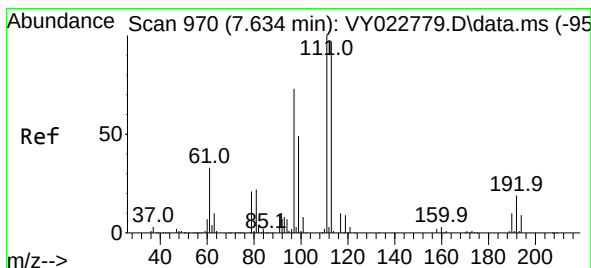
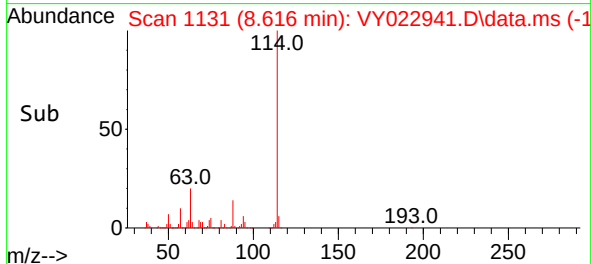
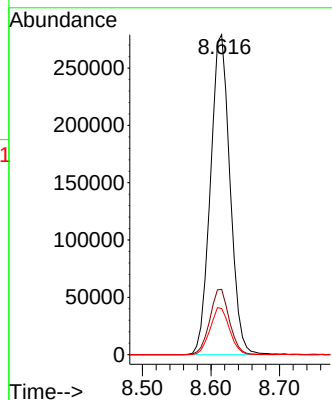
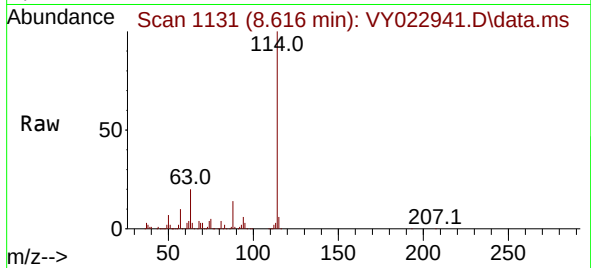




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

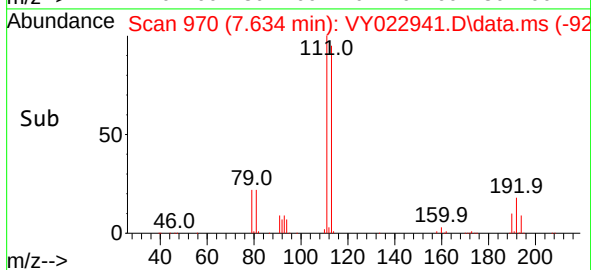
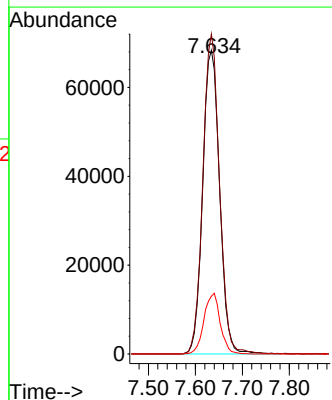
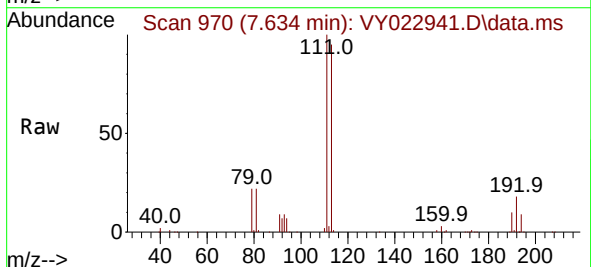
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

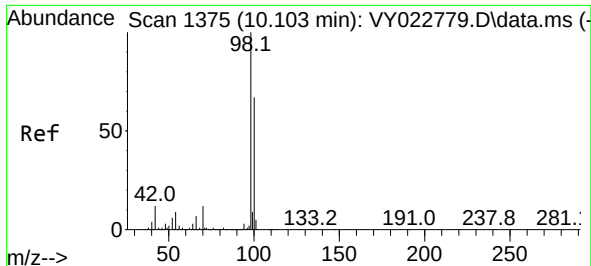
Tgt Ion:114 Resp: 553186
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.746 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion:113 Resp: 170721
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 19.2 14.2 21.2

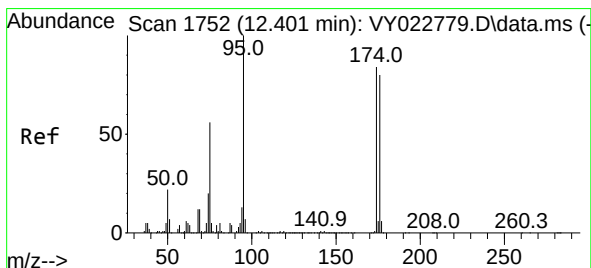
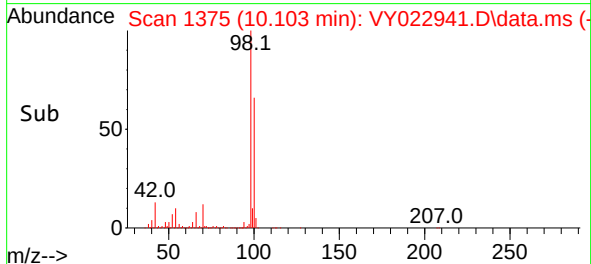
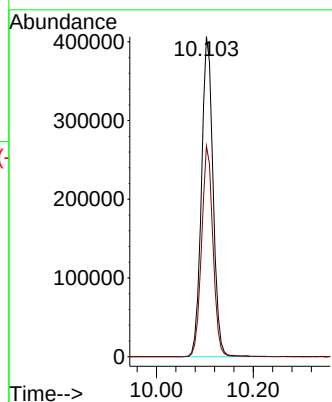
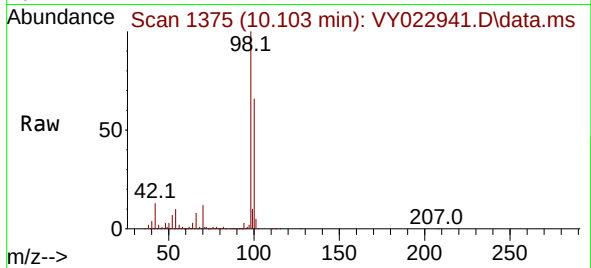




#50
Toluene-d8
Concen: 50.505 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

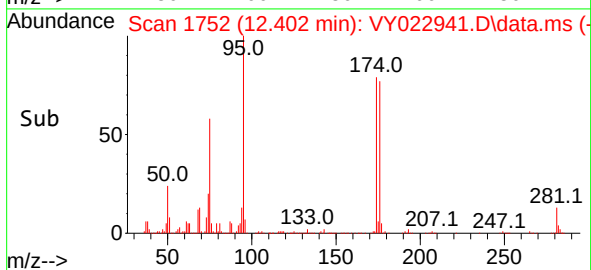
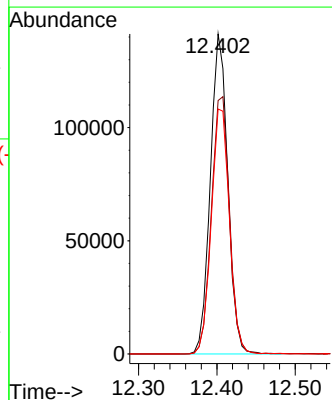
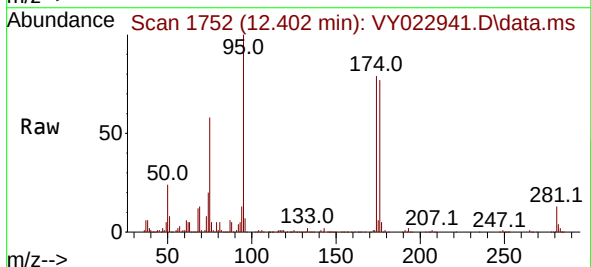
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

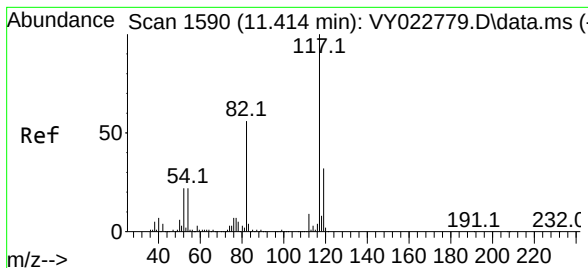
Tgt Ion: 98 Resp: 674231
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 50.865 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion: 95 Resp: 218285
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.0
176 79.7 0.0 166.2

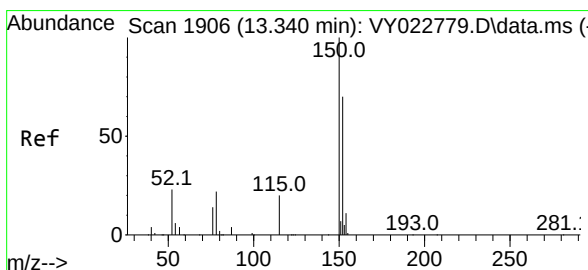
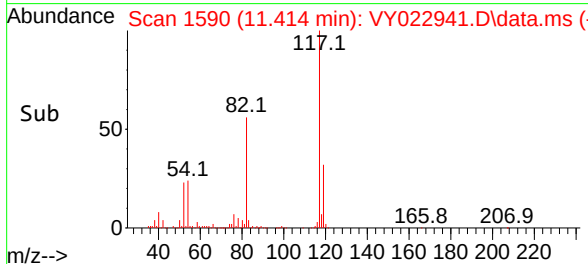
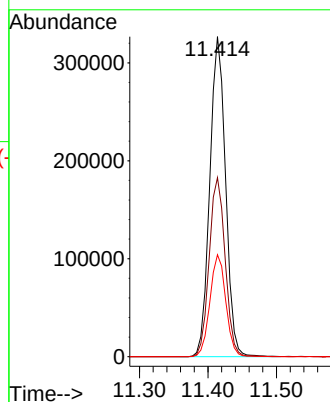
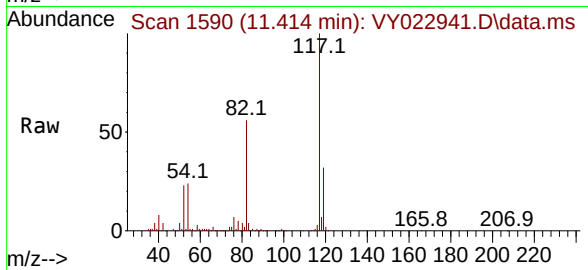




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022941.D
Acq: 03 Jul 2025 14:36

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Tgt Ion:117 Resp: 524066
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 31.9 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: VY022941.D
Acq: 03 Jul 2025 14:36

Tgt Ion:152 Resp: 206599
Ion Ratio Lower Upper
152 100
115 58.3 28.9 86.7
150 158.4 0.0 349.6

