

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022976.D
 Acq On : 08 Jul 2025 15:26
 Operator : SY/MD
 Sample : Q2514-04
 Misc : 4.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-96

Quant Time: Jul 09 02:32:46 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	295080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	566250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	555076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	231819	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	168188	51.068	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.140%
35) Dibromofluoromethane	7.634	113	180760	52.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.980%
50) Toluene-d8	10.103	98	701358	51.325	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.660%
62) 4-Bromofluorobenzene	12.401	95	236891	53.927	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.860%

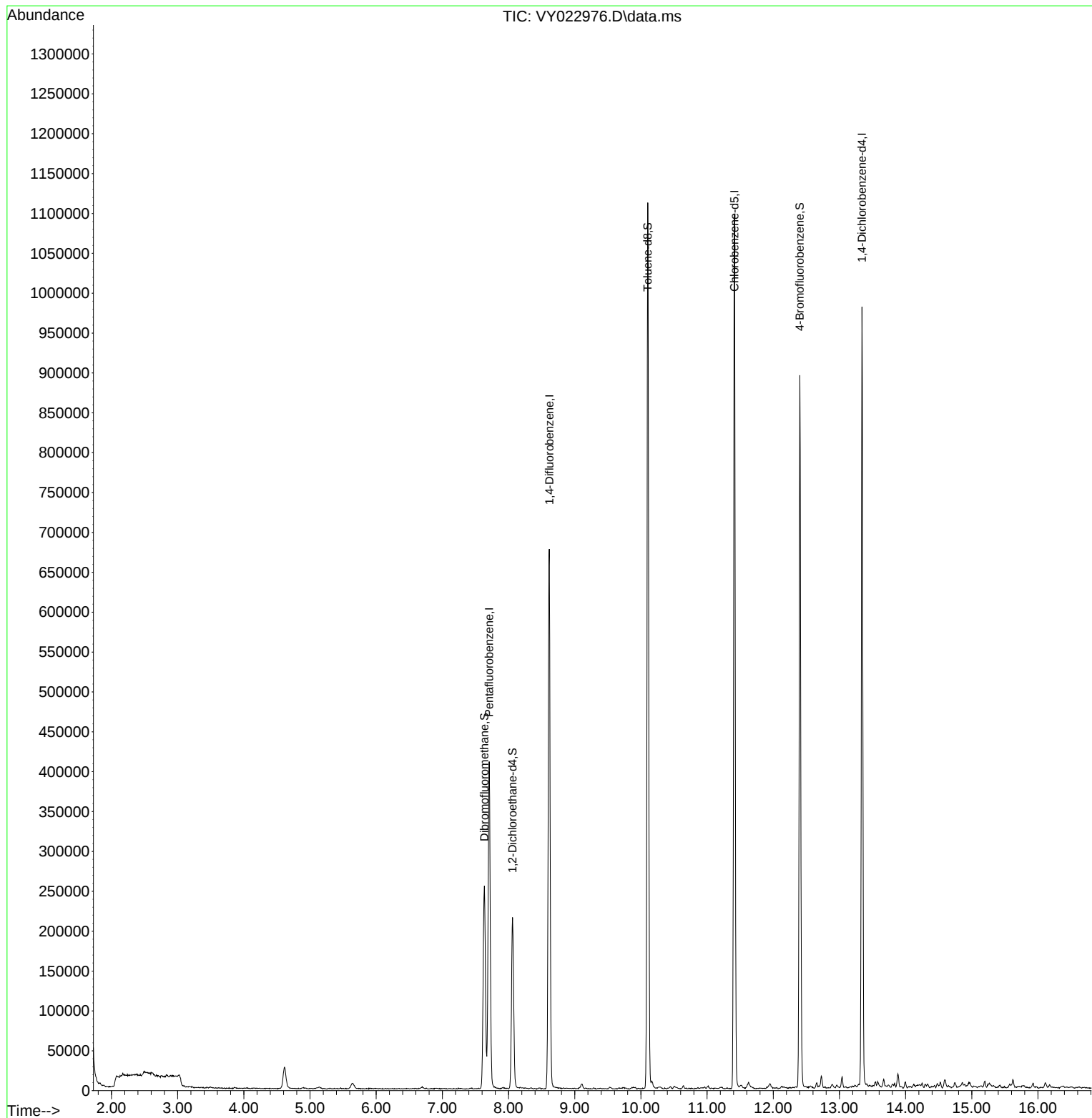
Target Compounds	Qvalue

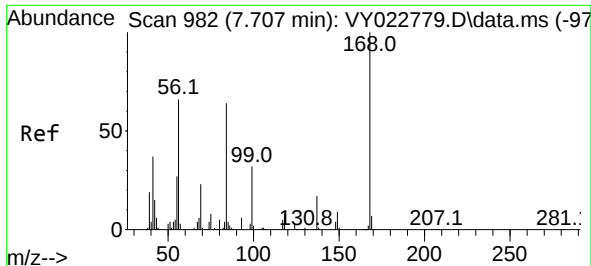
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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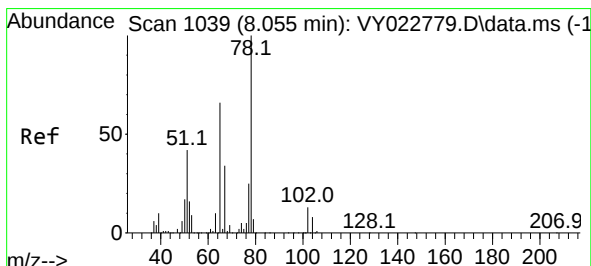
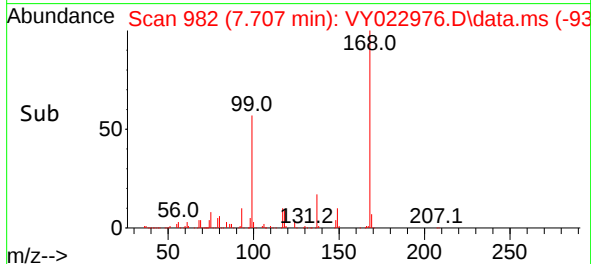
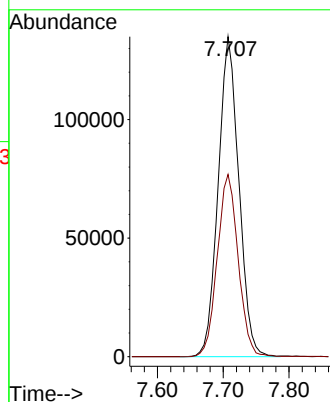
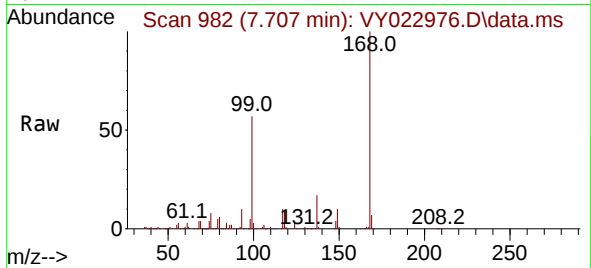




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022976.D
Acq: 08 Jul 2025 15:26

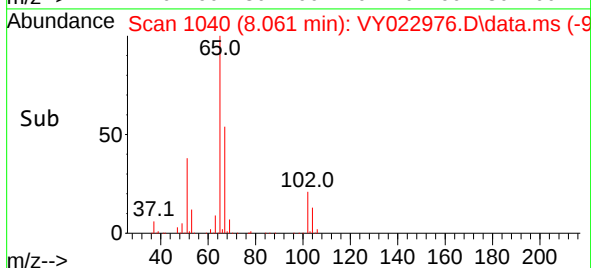
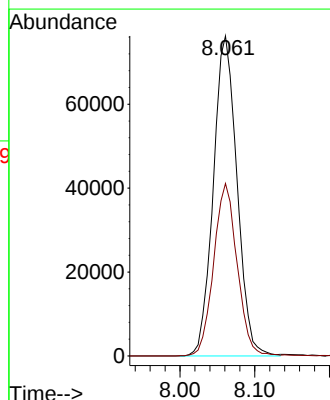
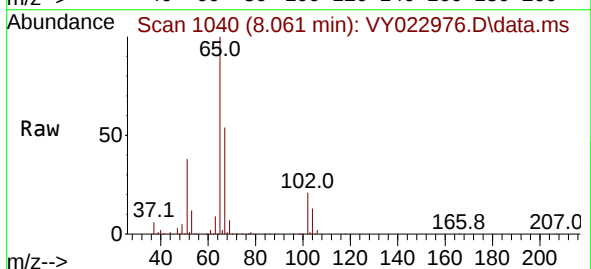
Instrument :
MSVOA_Y
ClientSampleId :
TP-96

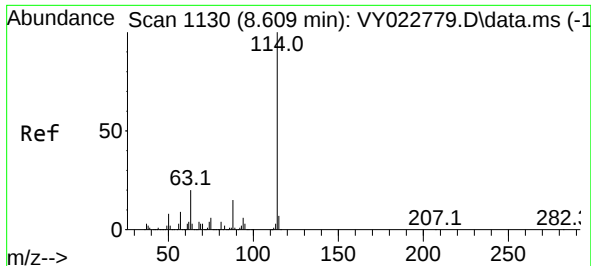
Tgt Ion:168 Resp: 295080
Ion Ratio Lower Upper
168 100
99 57.0 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.068 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022976.D
Acq: 08 Jul 2025 15:26

Tgt Ion: 65 Resp: 168188
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.4

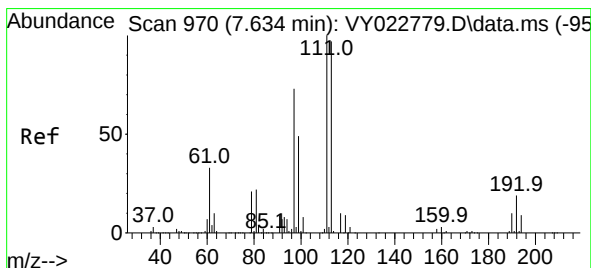
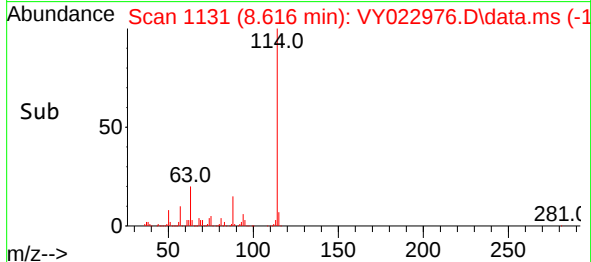
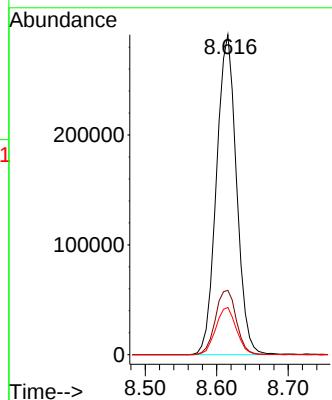
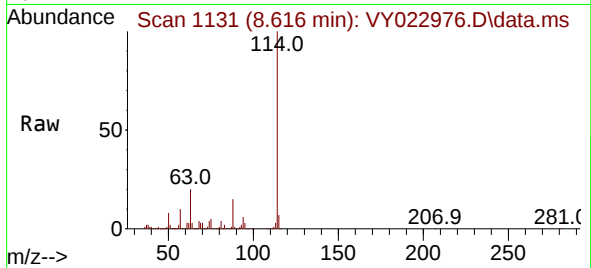




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022976.D
Acq: 08 Jul 2025 15:26

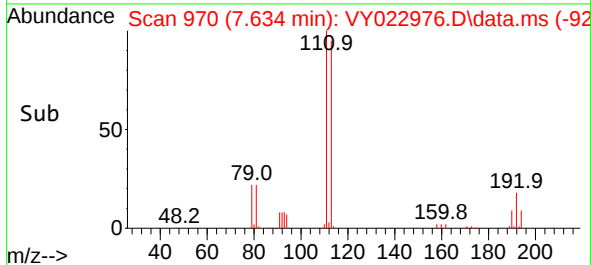
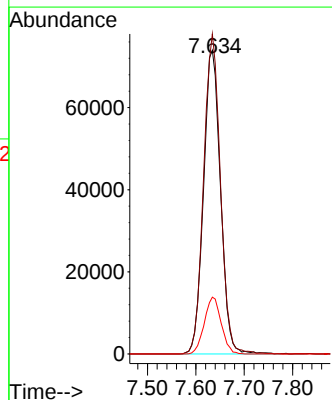
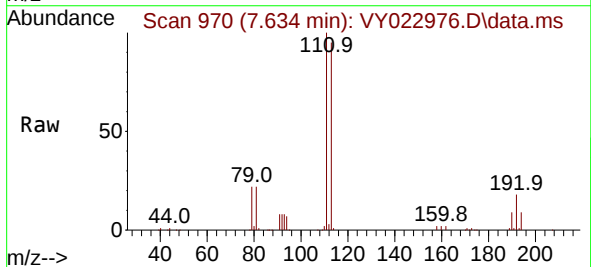
Instrument :
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ClientSampleId :
TP-96

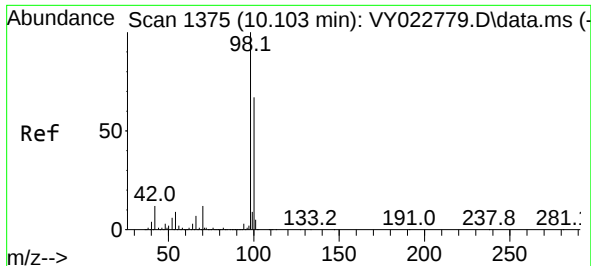
Tgt Ion:114 Resp: 566250
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.491 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022976.D
Acq: 08 Jul 2025 15:26

Tgt Ion:113 Resp: 180760
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 18.6 14.2 21.2

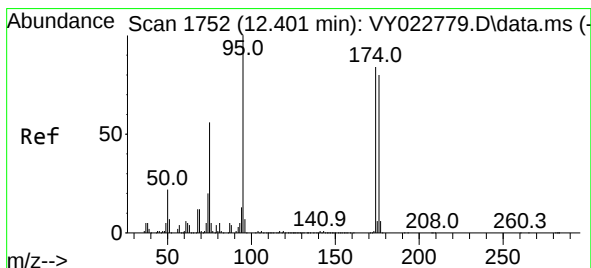
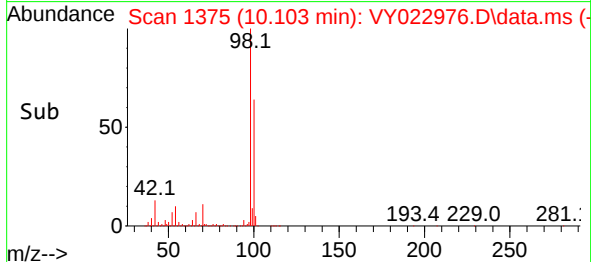
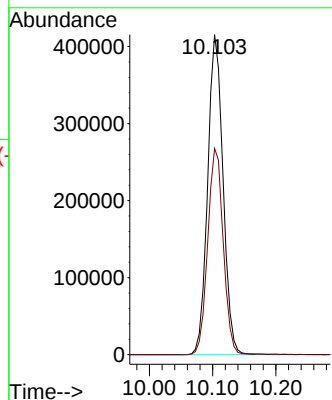
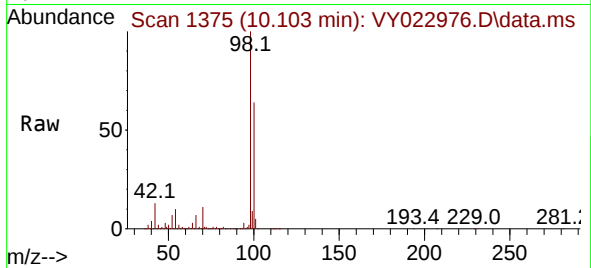




#50
Toluene-d8
Concen: 51.325 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022976.D
Acq: 08 Jul 2025 15:26

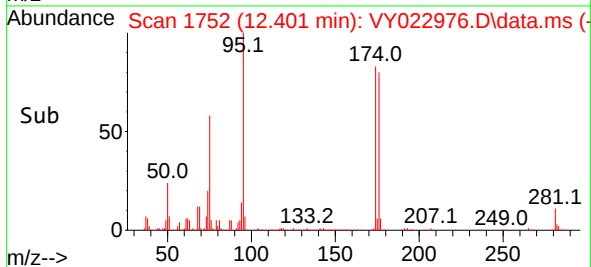
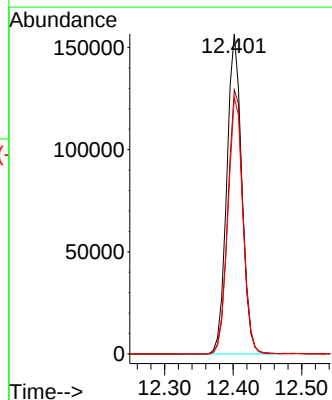
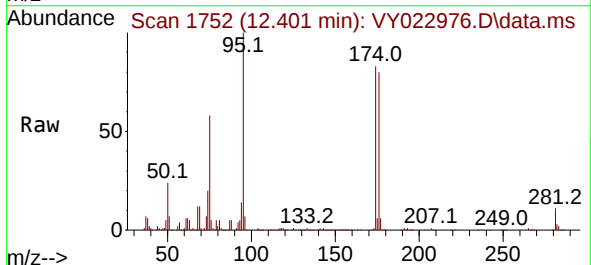
Instrument :
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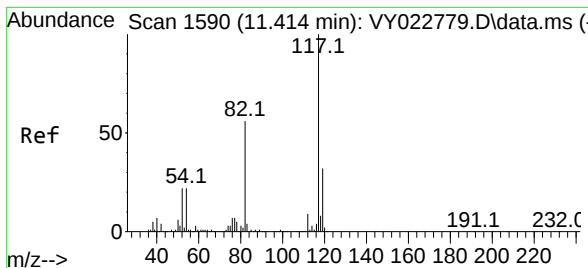
Tgt Ion: 98 Resp: 701358
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 53.927 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022976.D
Acq: 08 Jul 2025 15:26

Tgt Ion: 95 Resp: 236891
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.0
176 80.5 0.0 166.2

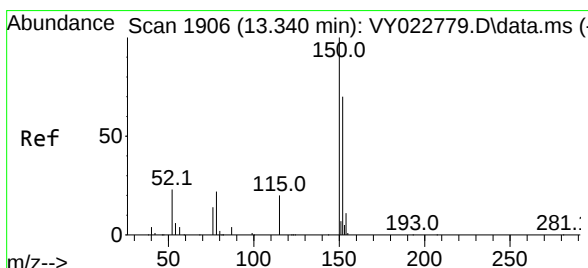
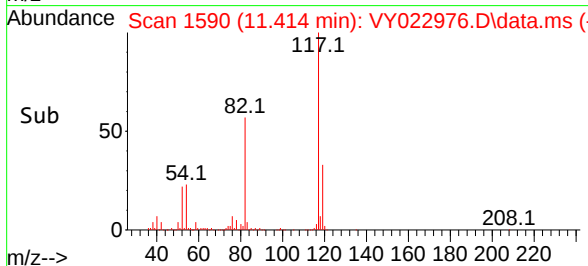
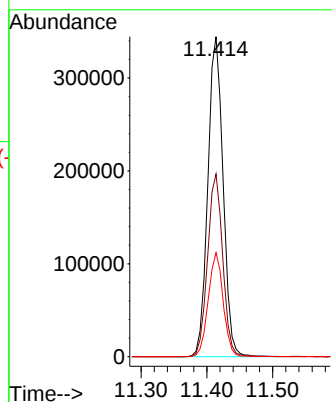
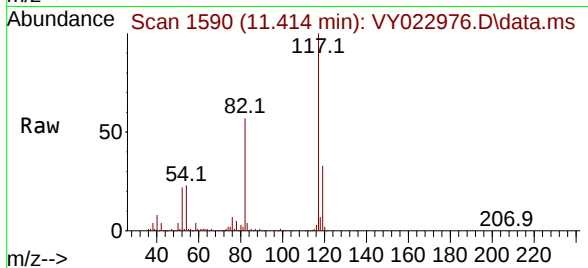




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022976.D
Acq: 08 Jul 2025 15:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-96

Tgt Ion:117 Resp: 555076
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022976.D
Acq: 08 Jul 2025 15:26

Tgt Ion:152 Resp: 231819
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.7
150 156.6 0.0 349.6

