

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022897.D
 Acq On : 01 Jul 2025 13:20
 Operator : SY/MD
 Sample : Q2458-03
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-68

Quant Time: Jul 02 02:46:56 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	309337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	580195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	586876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	251388	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176384	51.089	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.180%
35) Dibromofluoromethane	7.634	113	184079	52.170	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.340%
50) Toluene-d8	10.103	98	716167	51.149	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.300%
62) 4-Bromofluorobenzene	12.402	95	256602	57.010	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	114.020%

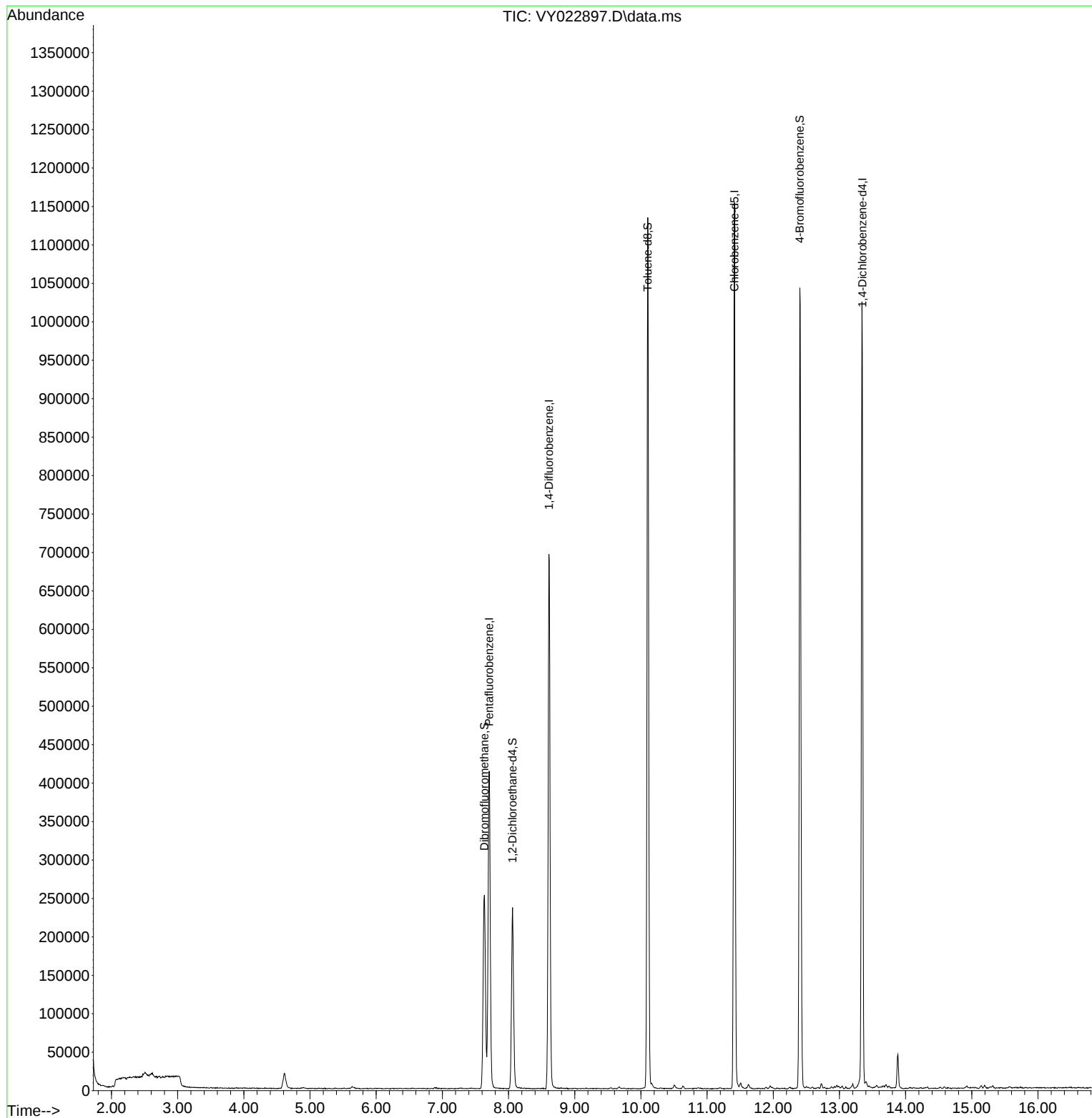
Target Compounds	Qvalue

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

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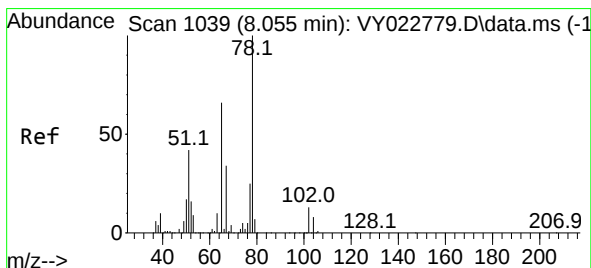
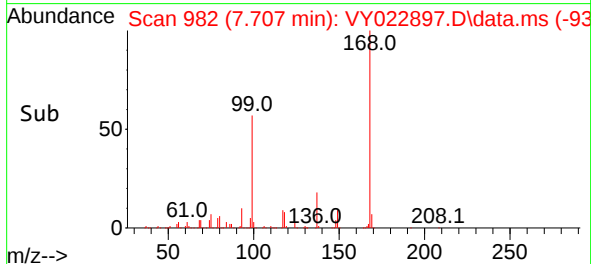
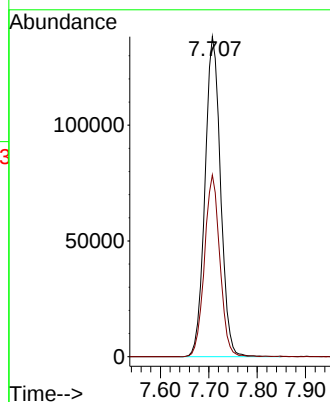
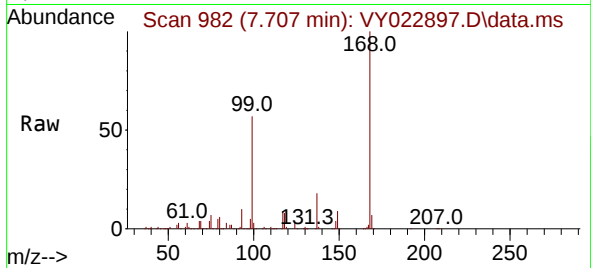




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

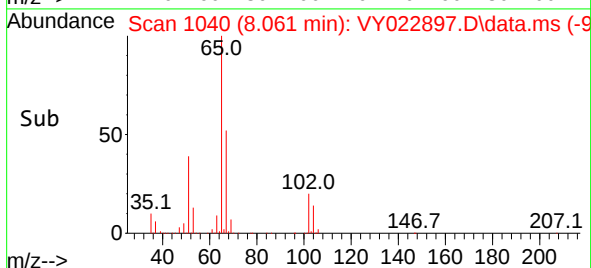
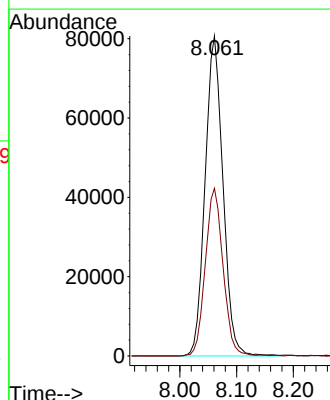
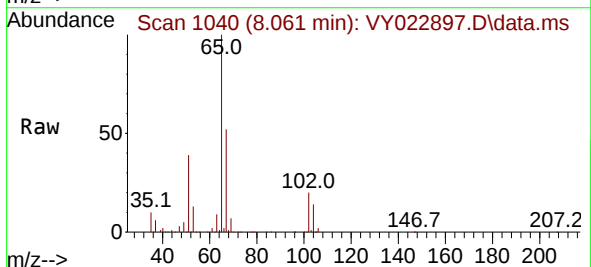
Instrument :
MSVOA_Y
ClientSampleId :
TP-68

Tgt Ion:168 Resp: 309337
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.089 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion: 65 Resp: 176384
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

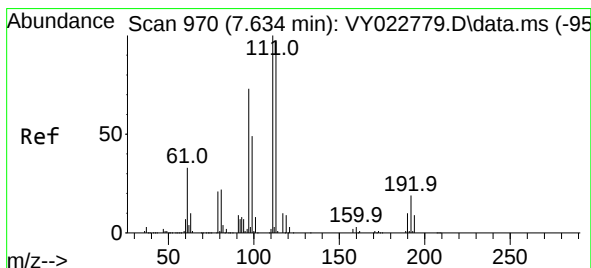
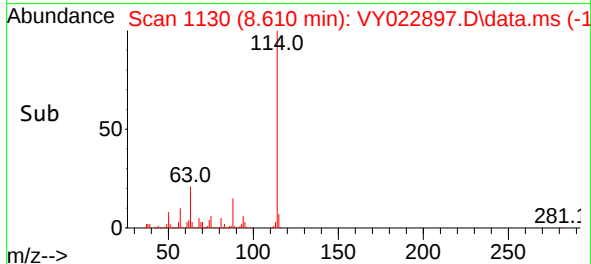
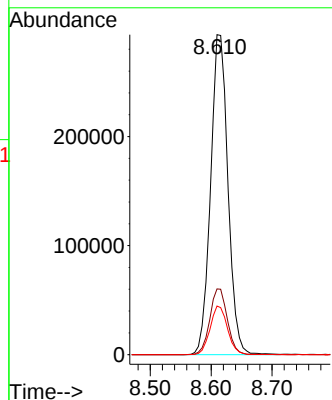
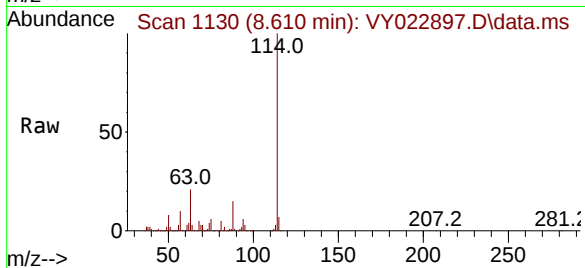




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

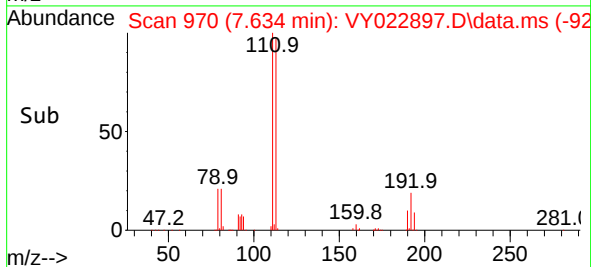
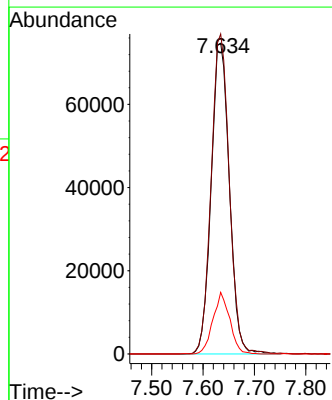
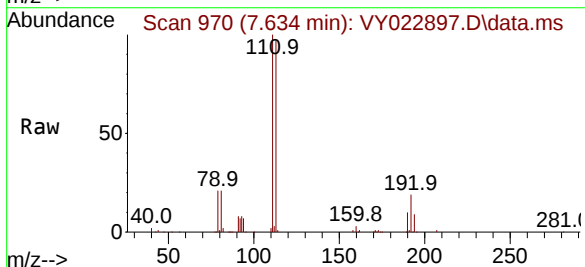
Instrument :
MSVOA_Y
ClientSampleId :
TP-68

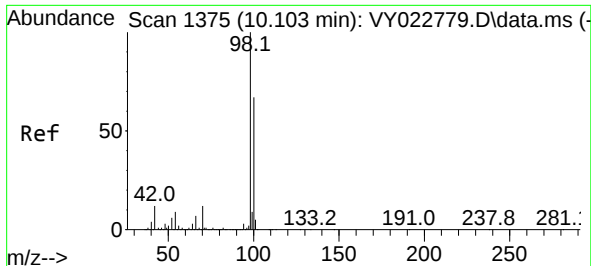
Tgt Ion:114 Resp: 580195
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.170 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion:113 Resp: 184079
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.3 14.2 21.2

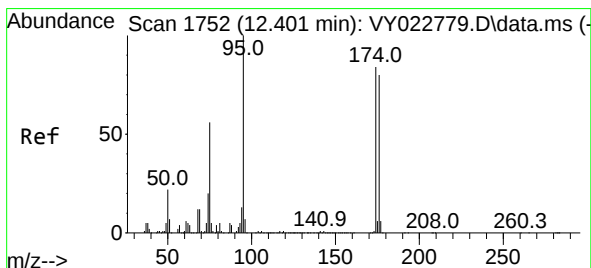
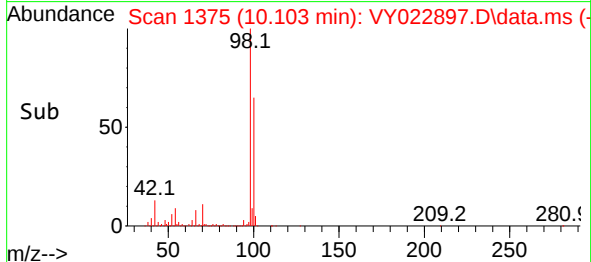
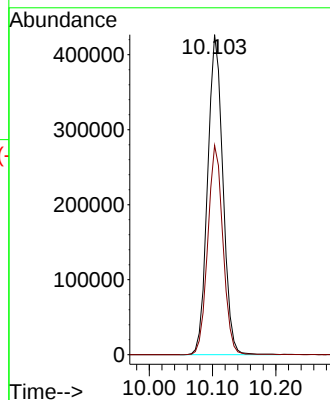
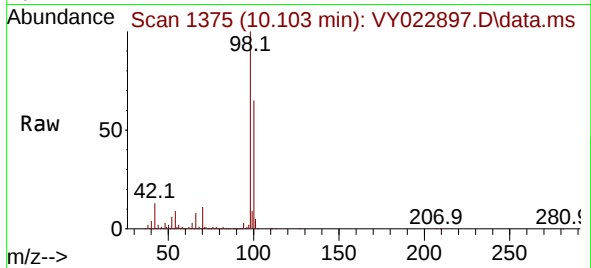




#50
Toluene-d8
Concen: 51.149 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

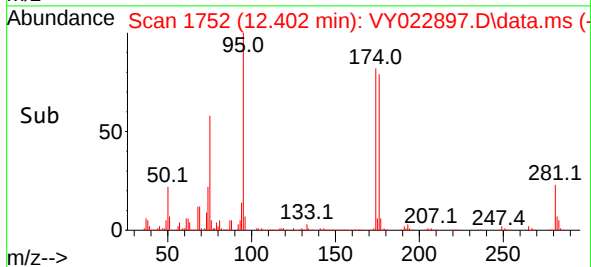
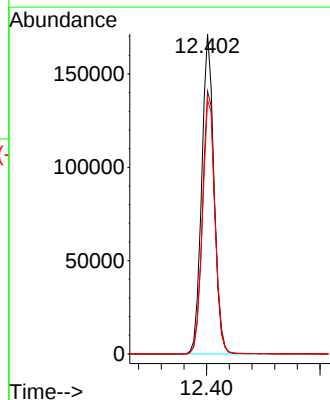
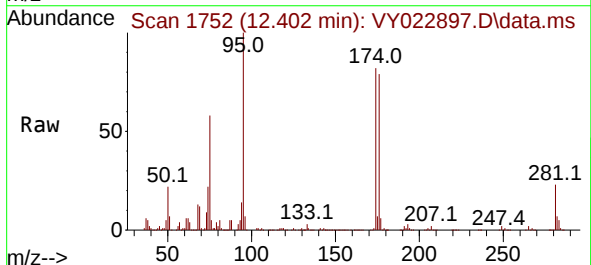
Instrument :
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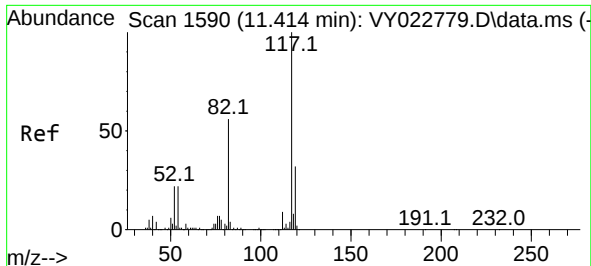
Tgt Ion: 98 Resp: 716167
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 57.010 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion: 95 Resp: 256602
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.0
176 81.4 0.0 166.2

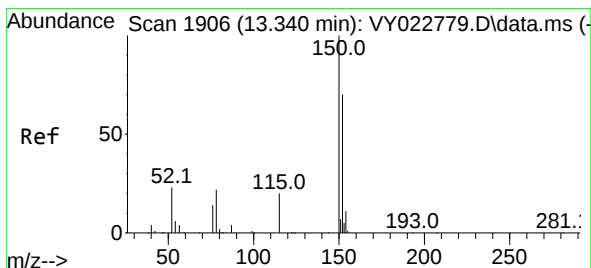
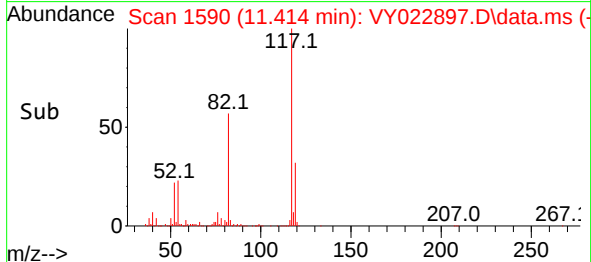
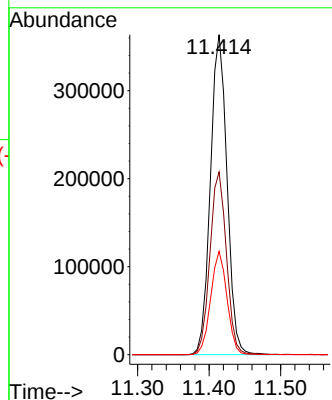
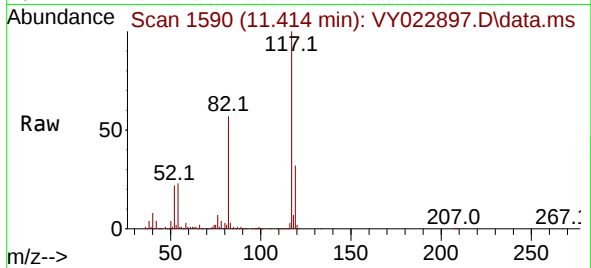




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Instrument :
MSVOA_Y
ClientSampleId :
TP-68

Tgt Ion:117 Resp: 586876
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022897.D
Acq: 01 Jul 2025 13:20

Tgt Ion:152 Resp: 251388
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 155.8 0.0 349.6

