

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022969.D
 Acq On : 08 Jul 2025 11:44
 Operator : SY/MD
 Sample : VY0708SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0708SBL01

Quant Time: Jul 09 02:29:10 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	314896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	593436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	582188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	250516	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174625	49.686	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.380%
35) Dibromofluoromethane	7.634	113	184653	51.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.320%
50) Toluene-d8	10.103	98	727091	50.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.540%
62) 4-Bromofluorobenzene	12.402	95	252518	54.851	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.700%

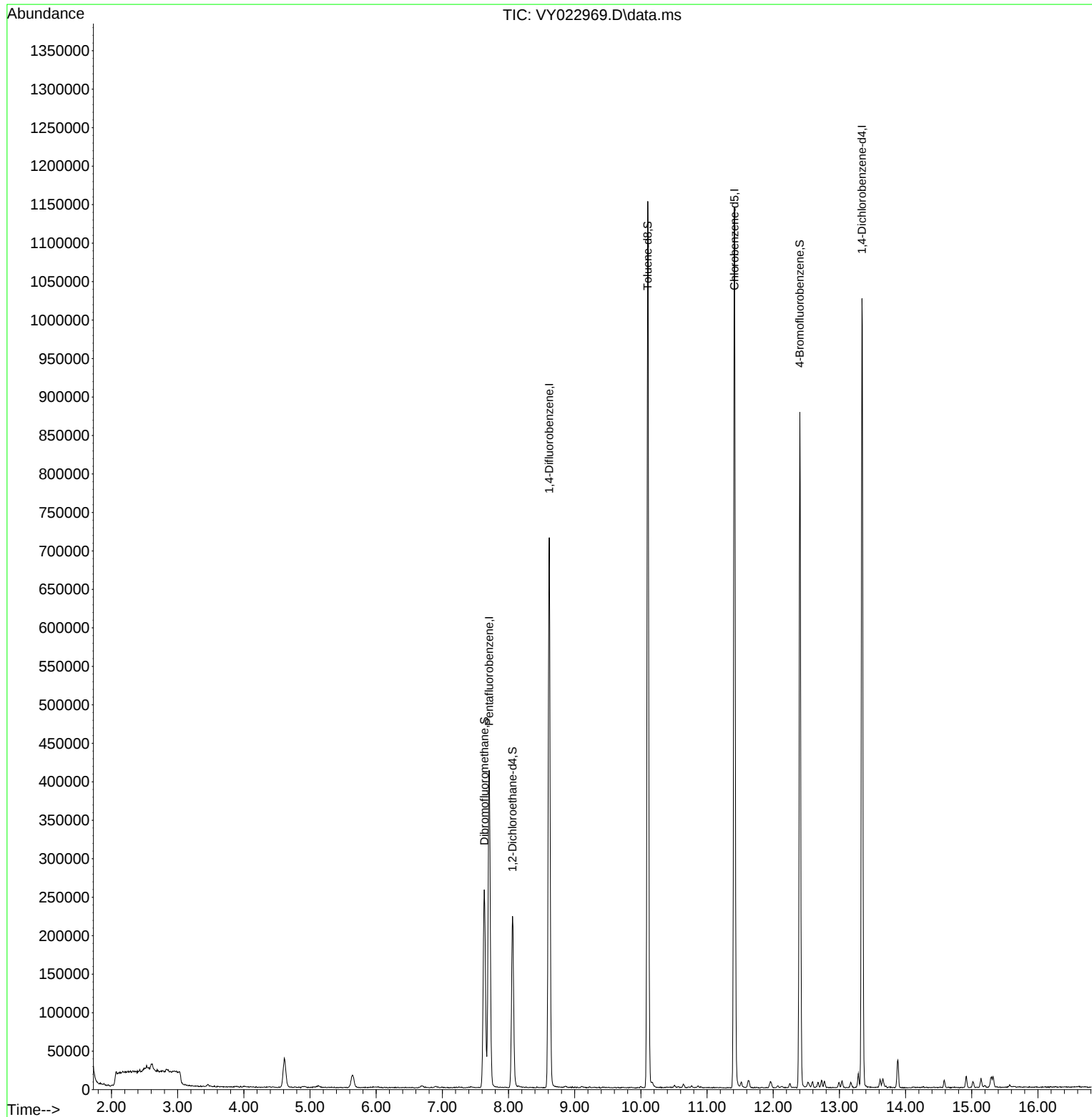
Target Compounds	Qvalue

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

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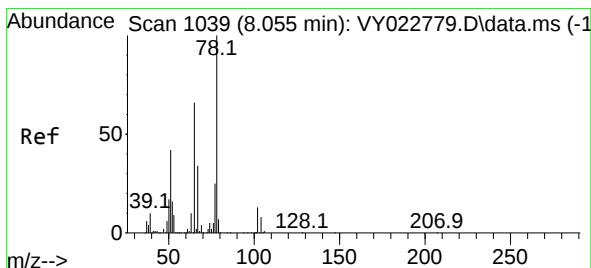
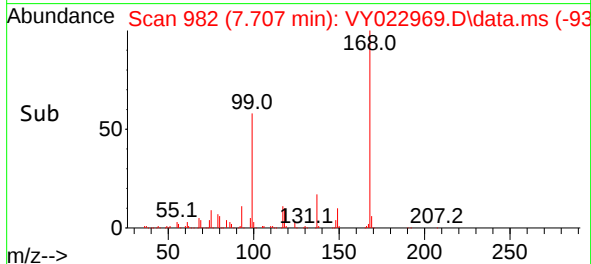
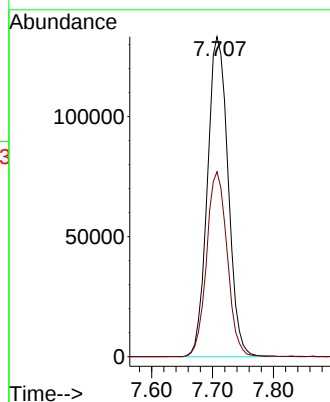
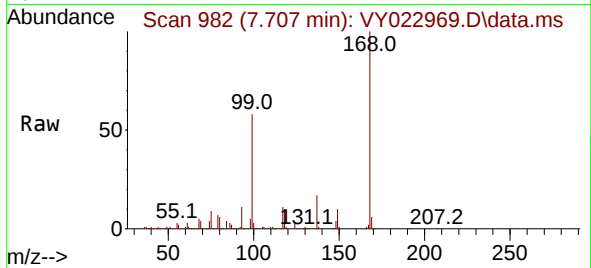




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

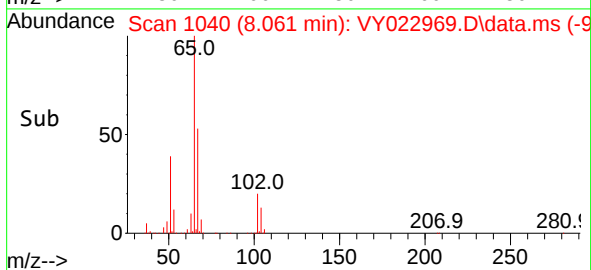
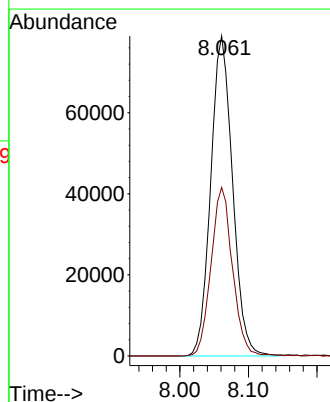
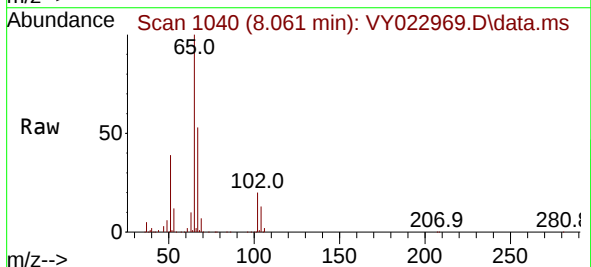
Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

Tgt Ion:168 Resp: 314896
Ion Ratio Lower Upper
168 100
99 57.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.686 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 65 Resp: 174625
Ion Ratio Lower Upper
65 100
67 51.7 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: VY022969.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0708SBL01

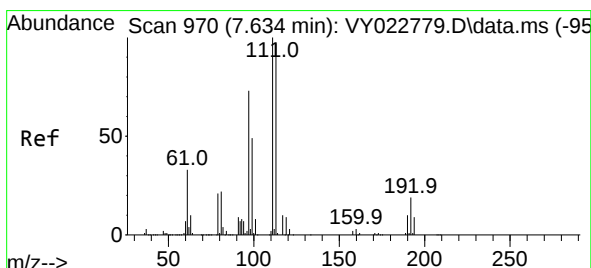
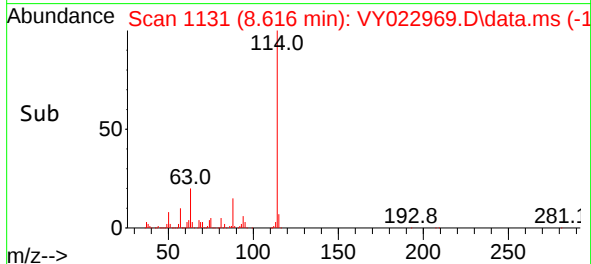
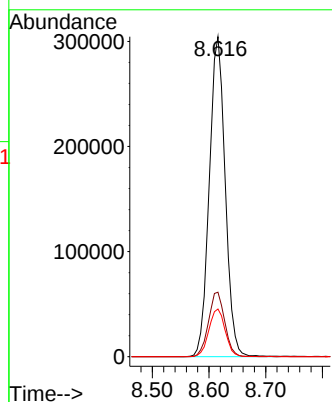
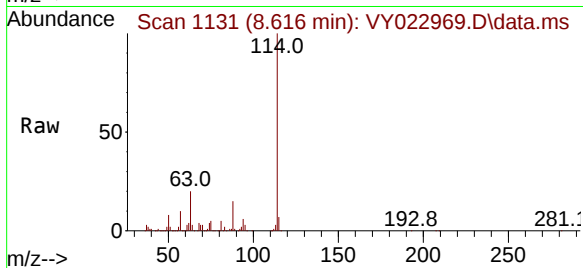
Tgt Ion:114 Resp: 593436

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.165 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022969.D

Acq: 08 Jul 2025 11:44

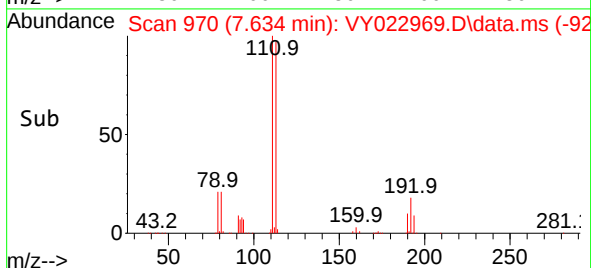
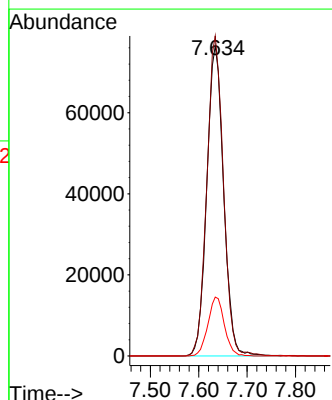
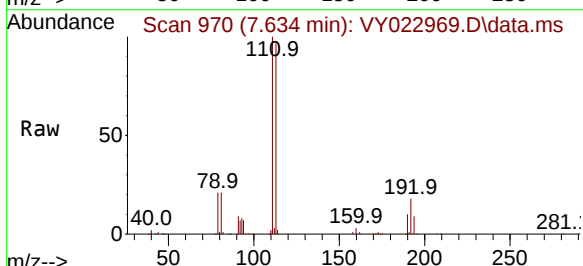
Tgt Ion:113 Resp: 184653

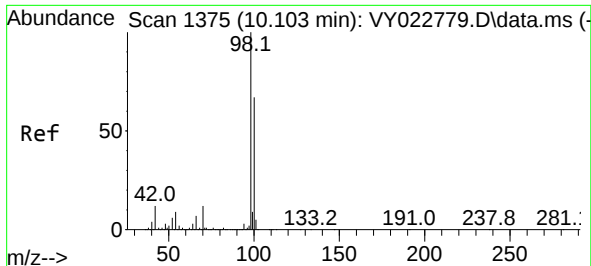
Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

192 18.6 14.2 21.2

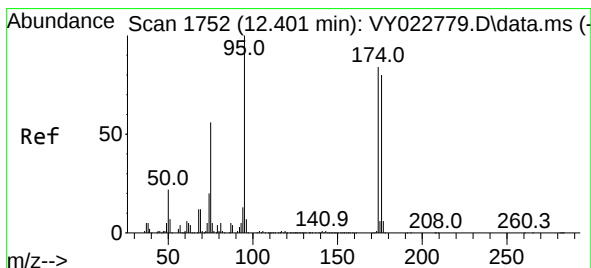
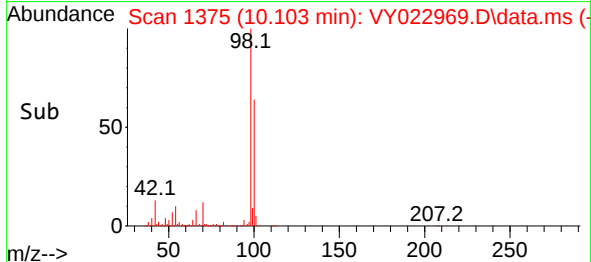
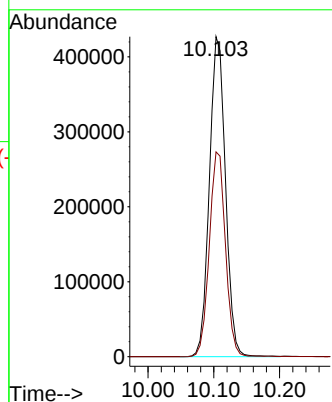
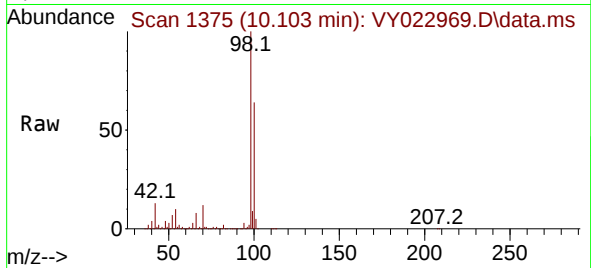




#50
Toluene-d8
Concen: 50.771 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

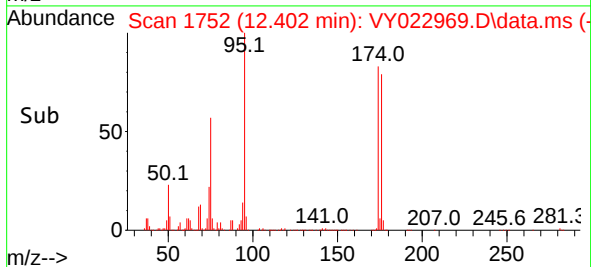
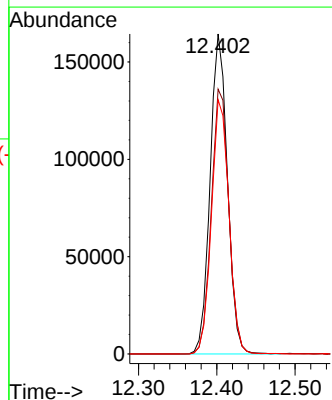
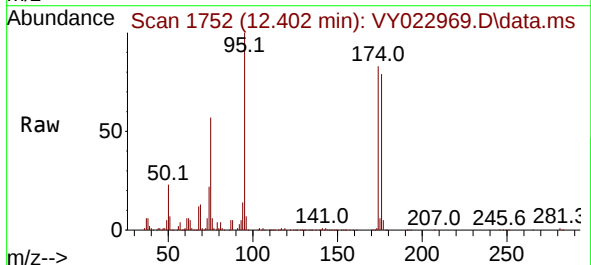
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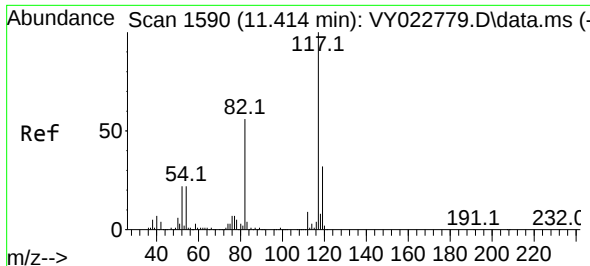
Tgt Ion: 98 Resp: 727091
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 54.851 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 95 Resp: 252518
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.0
176 80.4 0.0 166.2

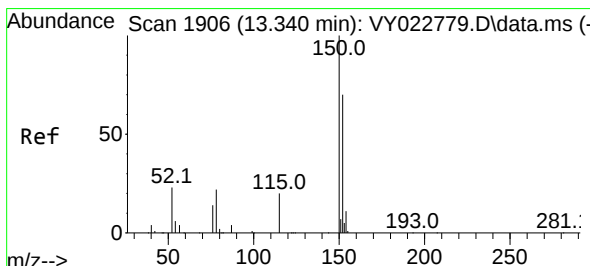
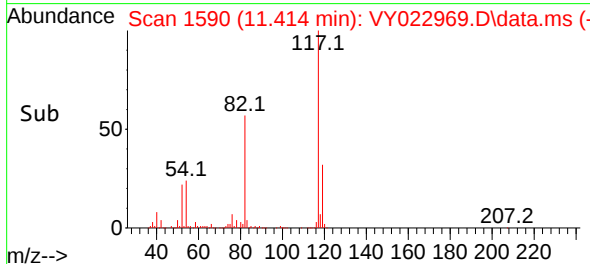
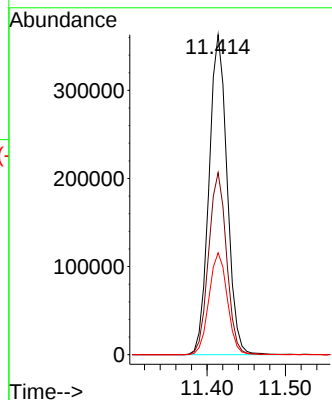
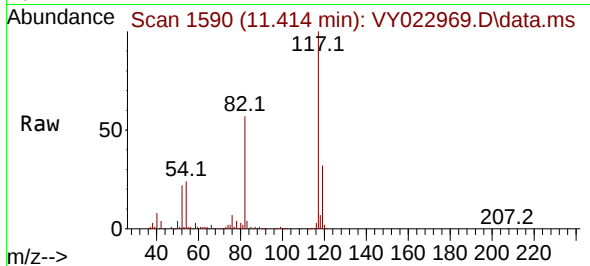




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022969.D
Acq: 08 Jul 2025 11:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0708SBL01

Tgt Ion:117 Resp: 582188
Ion Ratio Lower Upper
117 100
82 56.9 44.6 66.8
119 31.9 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: VY022969.D
Acq: 08 Jul 2025 11:44

Tgt Ion:152 Resp: 250516
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 156.5 0.0 349.6

