

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
 Data File : VY023360.D
 Acq On : 12 Sep 2025 14:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 13 00:00:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	621560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1153294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1082705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	457828	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	291981	53.459	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.920%
35) Dibromofluoromethane	7.634	113	363027	51.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.000%
50) Toluene-d8	10.103	98	1368133	51.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.780%
62) 4-Bromofluorobenzene	12.408	95	438015	52.286	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.580%

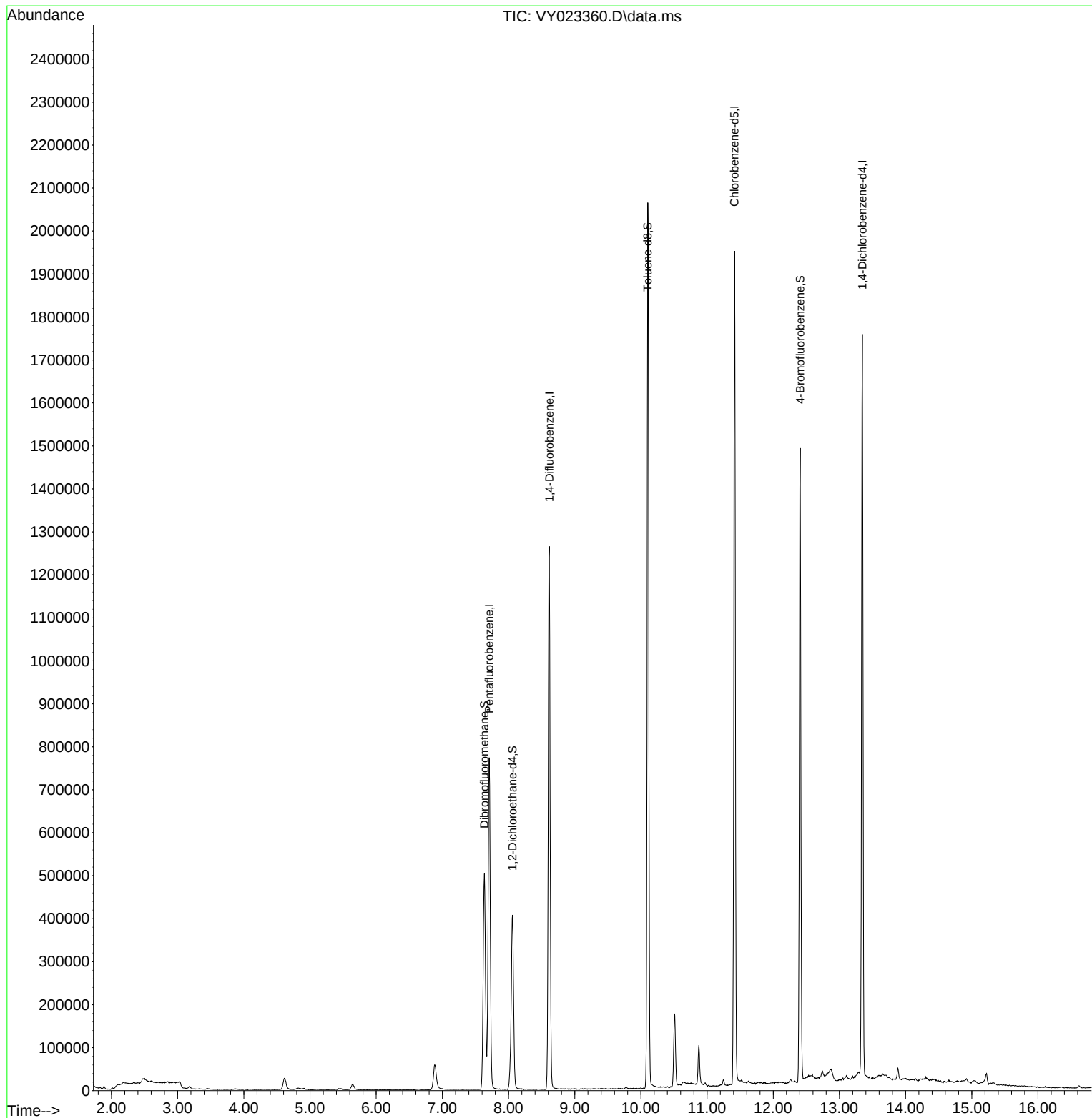
Target Compounds	Qvalue

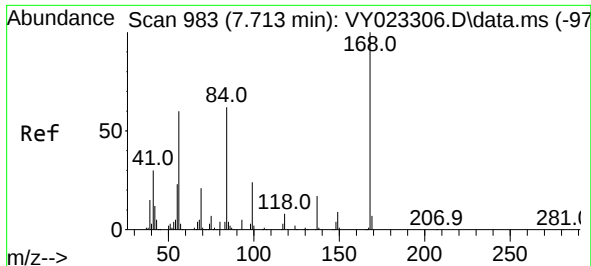
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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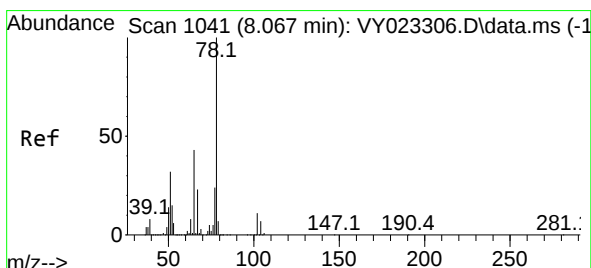
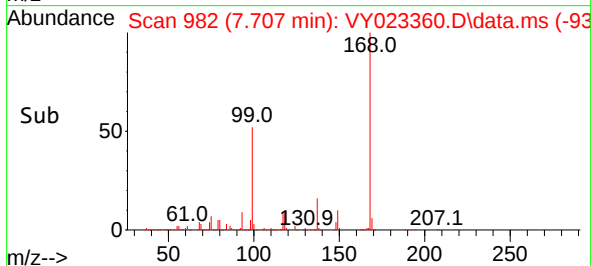
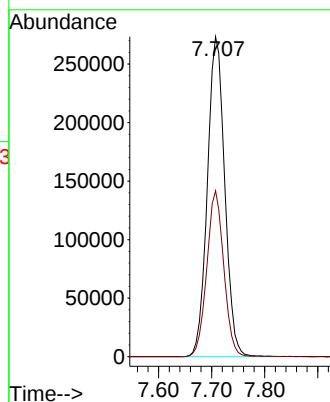
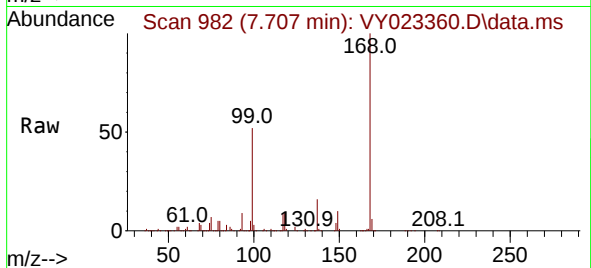




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

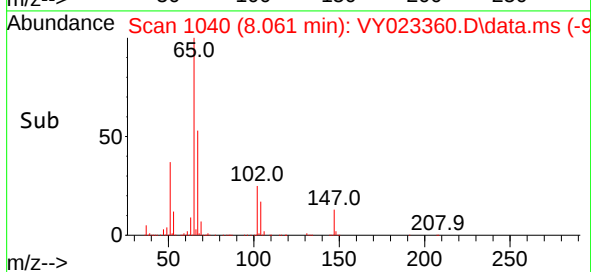
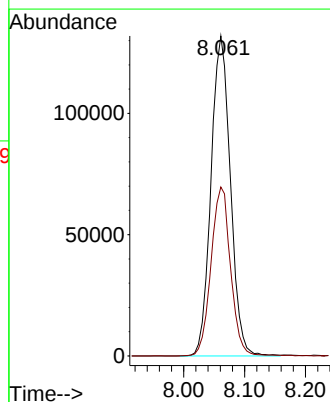
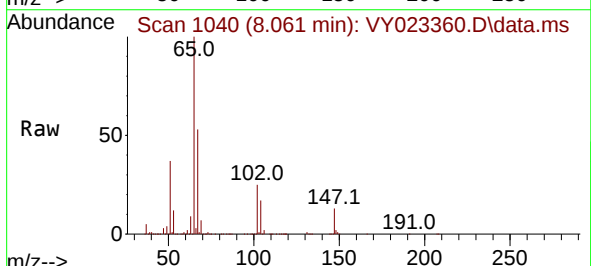
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

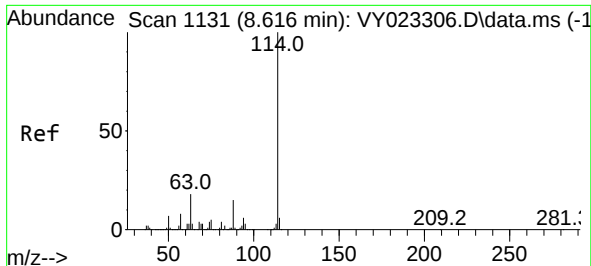
Tgt Ion:168 Resp: 621560
Ion Ratio Lower Upper
168 100
99 51.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 53.459 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Tgt Ion: 65 Resp: 291981
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8

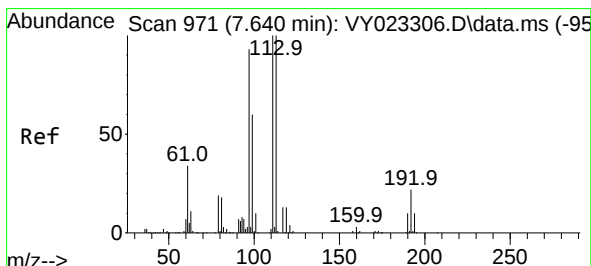
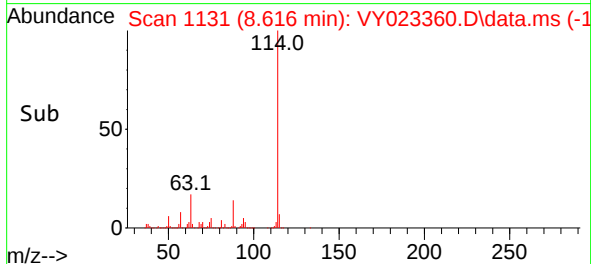
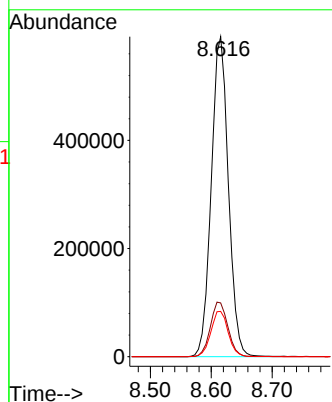
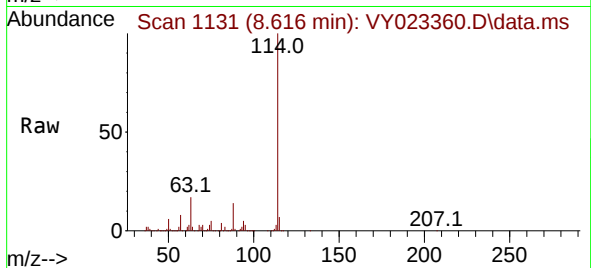




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

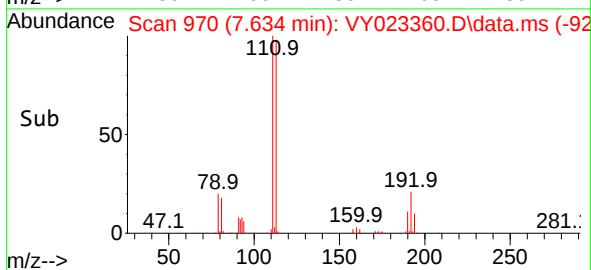
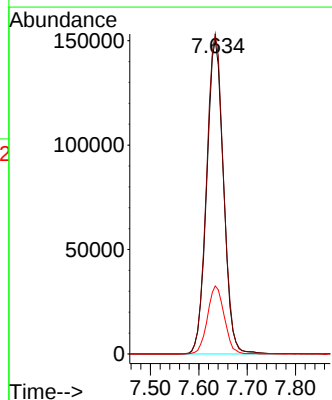
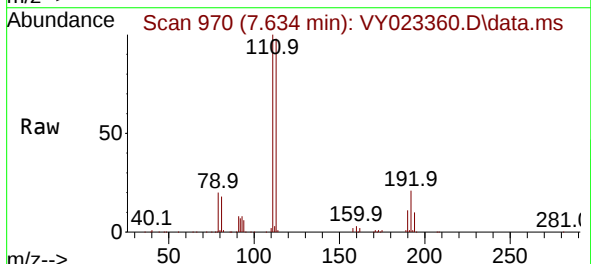
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

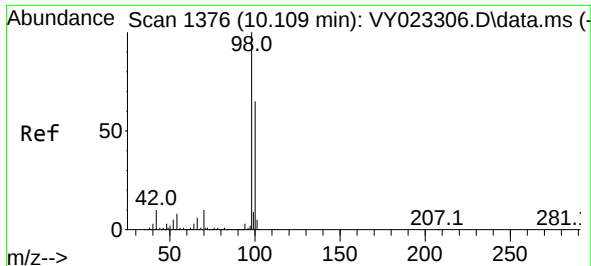
Tgt Ion:114 Resp: 1153294
Ion Ratio Lower Upper
114 100
63 16.8 0.0 38.4
88 14.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 51.495 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Tgt Ion:113 Resp: 363027
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 21.7 16.2 24.4

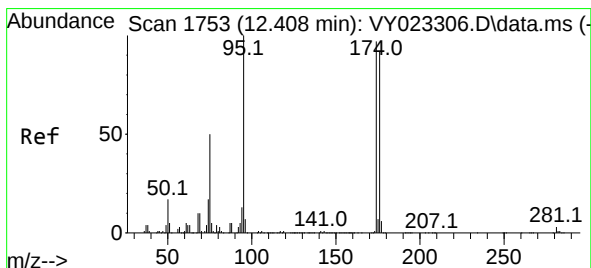
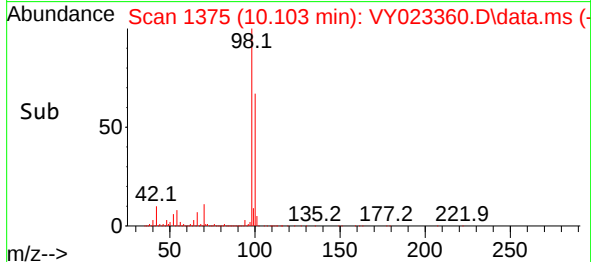
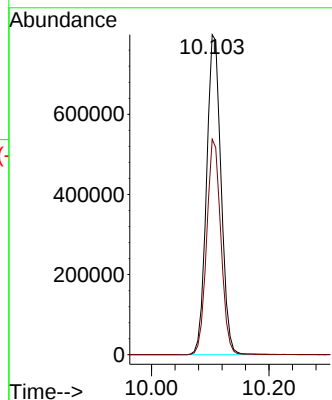
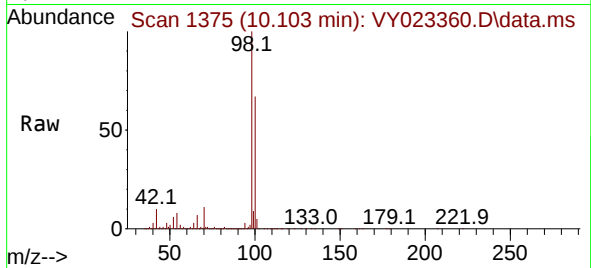




#50
Toluene-d8
Concen: 51.395 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

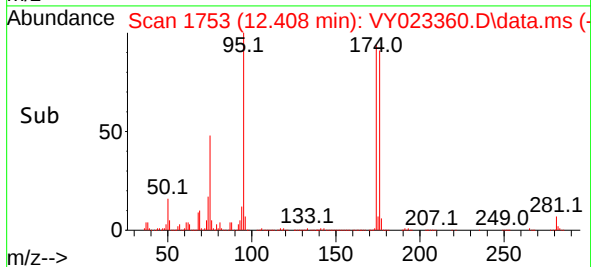
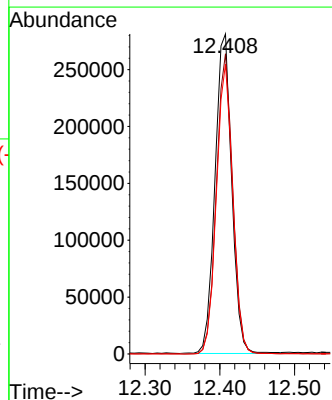
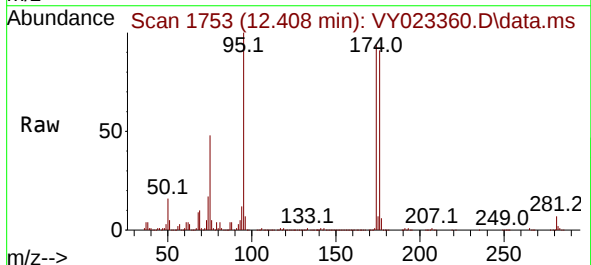
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

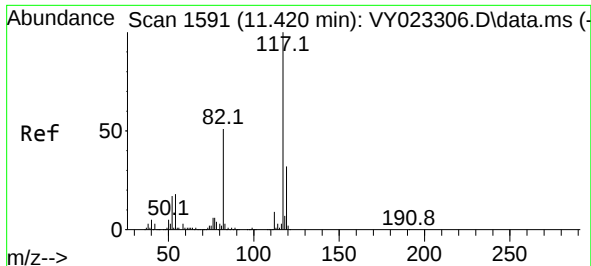
Tgt Ion: 98 Resp: 1368133
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 52.286 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Tgt Ion: 95 Resp: 438015
Ion Ratio Lower Upper
95 100
174 92.2 0.0 171.6
176 88.8 0.0 167.6

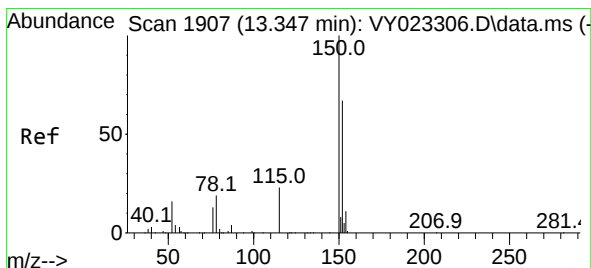
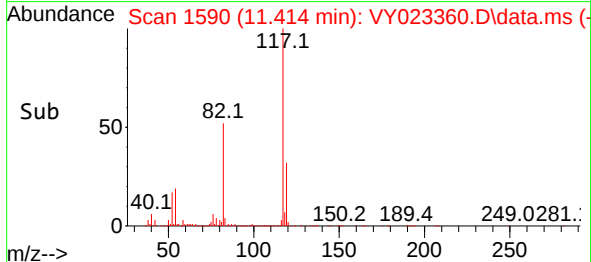
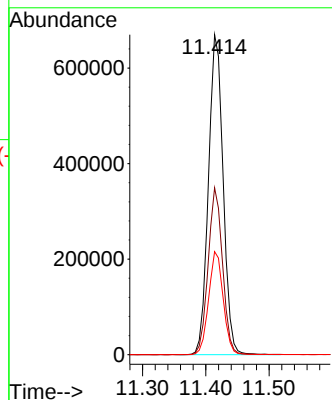
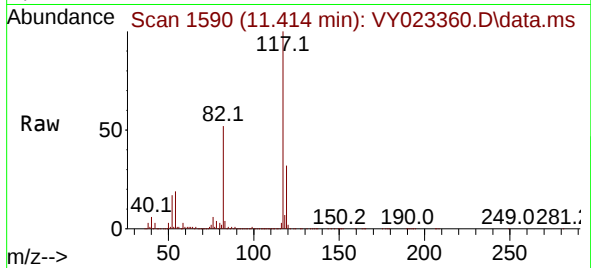




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1082705
Ion Ratio Lower Upper
117 100
82 52.1 43.4 65.0
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023360.D
Acq: 12 Sep 2025 14:33

Tgt Ion:152 Resp: 457828
Ion Ratio Lower Upper
152 100
115 55.1 28.2 84.6
150 156.5 0.0 348.0

