

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023980.D
 Acq On : 15 Dec 2025 16:41
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 16 02:17:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	784615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1327772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1159051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	505142	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	357980	51.603	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.200%
35) Dibromofluoromethane	7.646	113	405814	46.756	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.520%
50) Toluene-d8	10.115	98	1539847	47.651	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.300%
62) 4-Bromofluorobenzene	12.407	95	475549	44.066	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.140%

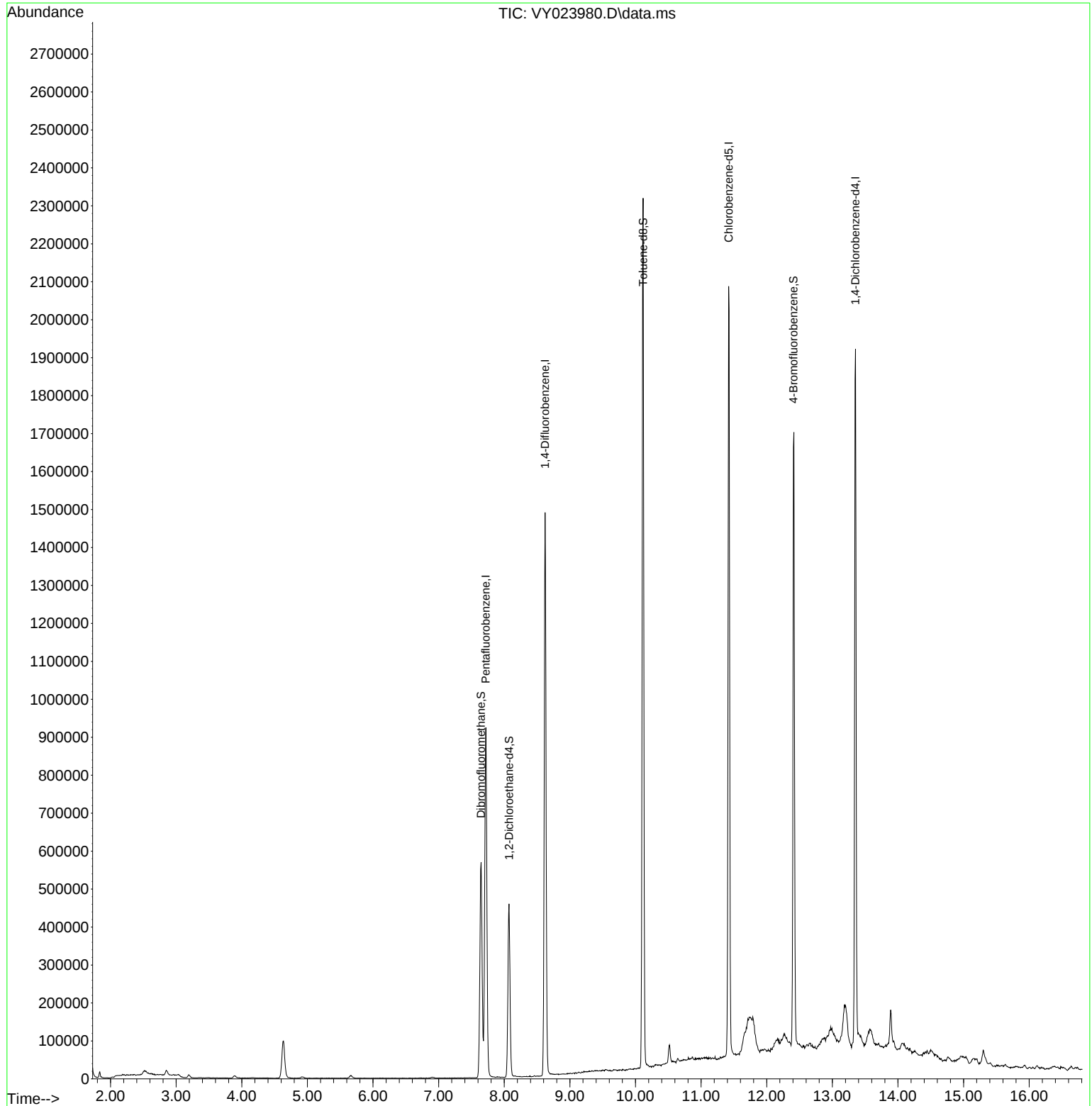
Target Compounds	Qvalue

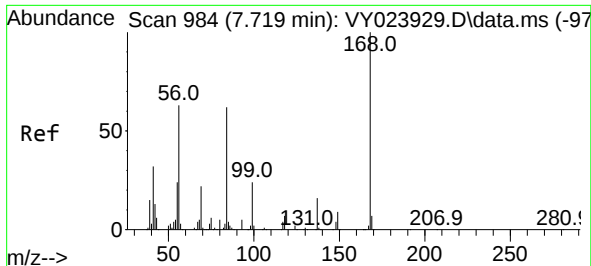
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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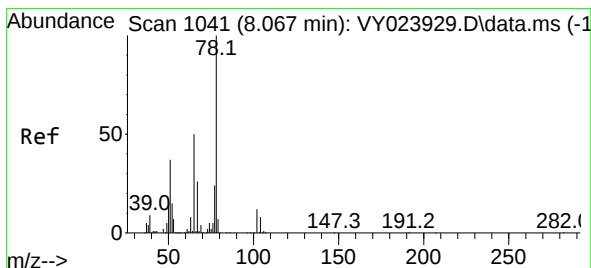
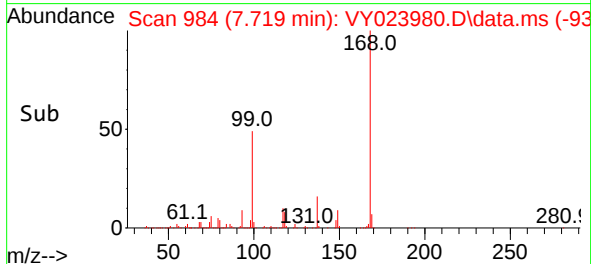
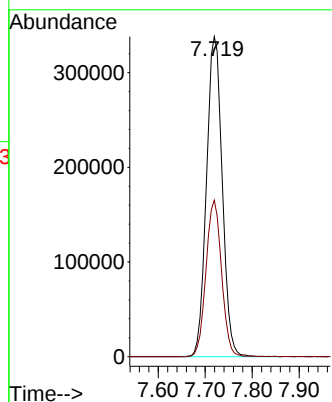
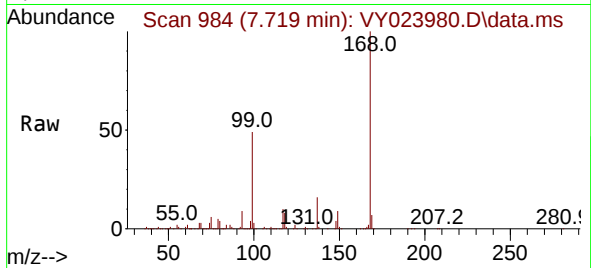




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

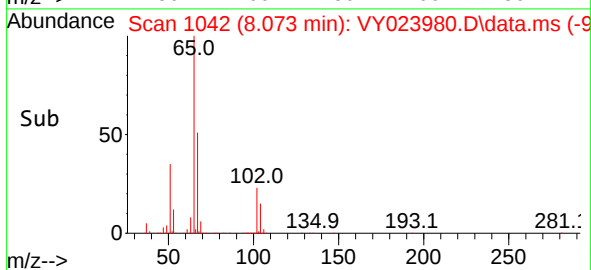
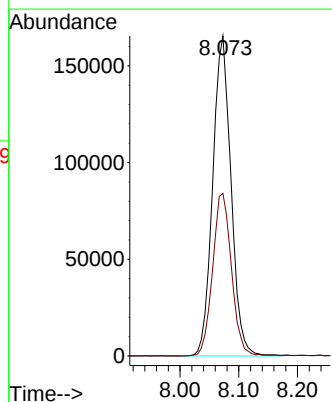
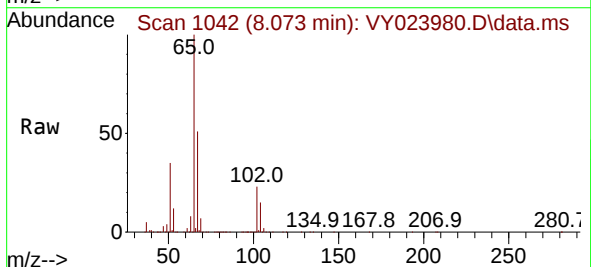
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

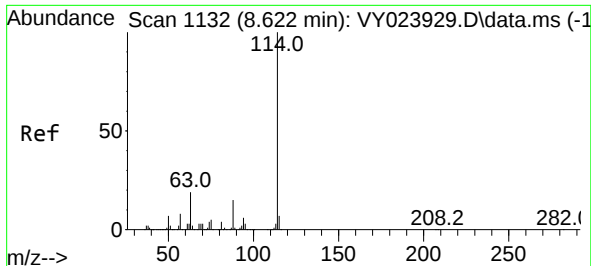
Tgt Ion:168 Resp: 784615
Ion Ratio Lower Upper
168 100
99 48.9 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 51.603 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Tgt Ion: 65 Resp: 357980
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.2

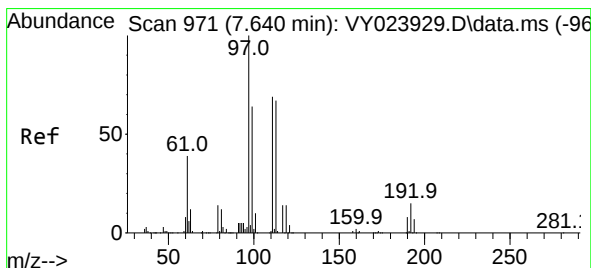
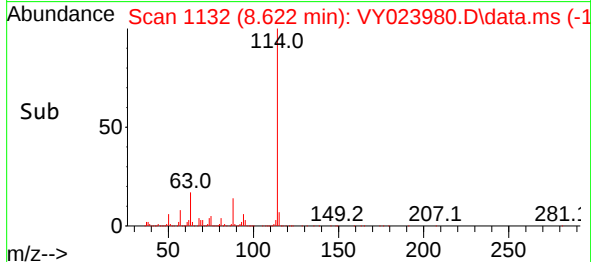
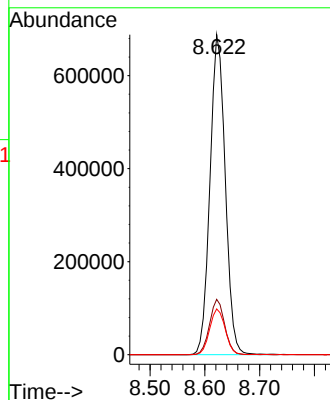
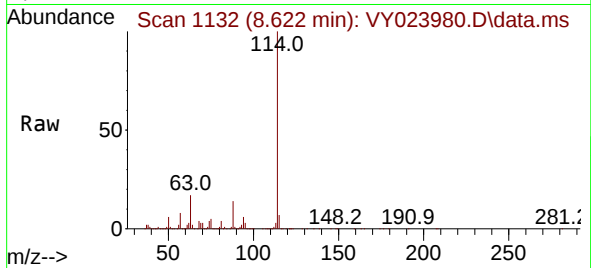




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

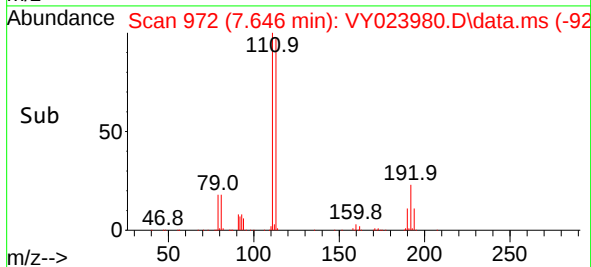
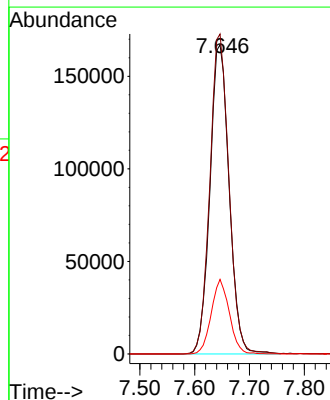
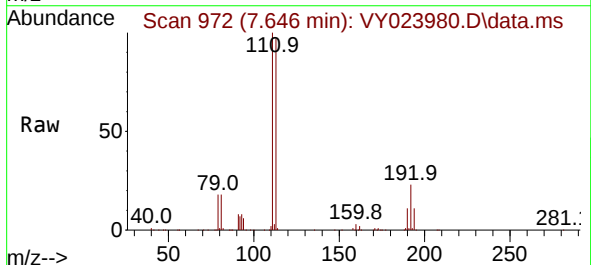
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

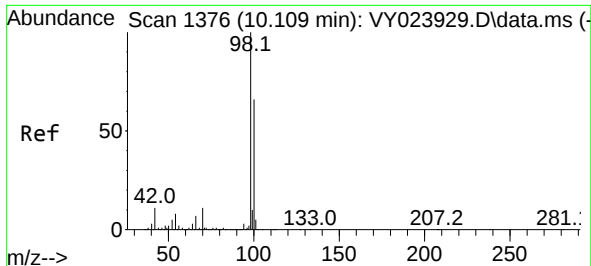
Tgt Ion:114 Resp: 1327772
Ion Ratio Lower Upper
114 100
63 17.3 0.0 37.2
88 14.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.756 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Tgt Ion:113 Resp: 405814
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 22.7 17.9 26.9

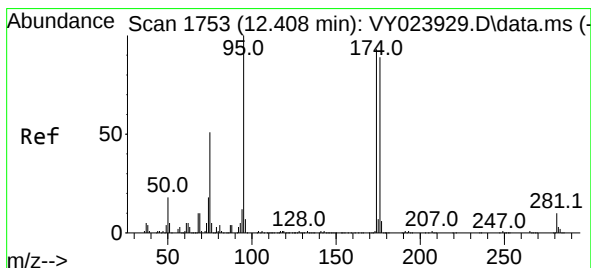
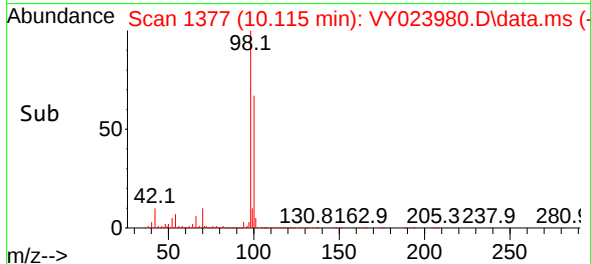
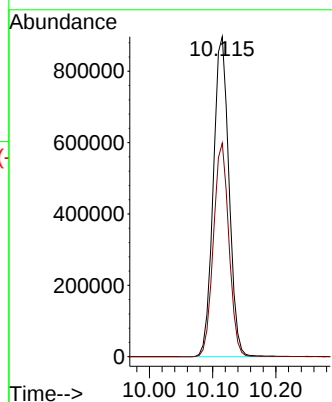
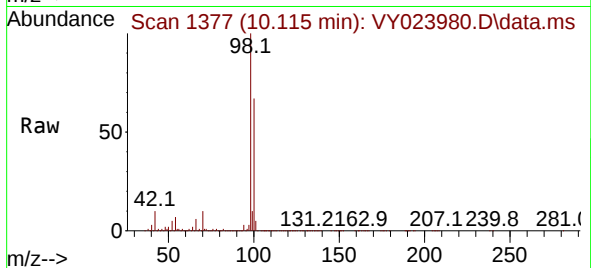




#50
Toluene-d8
Concen: 47.651 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

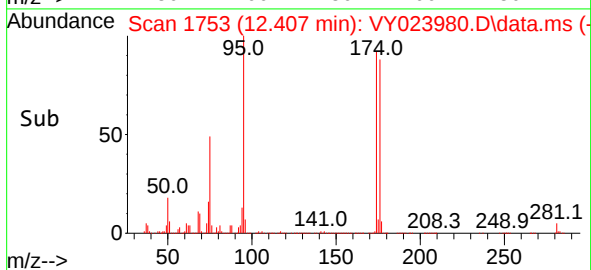
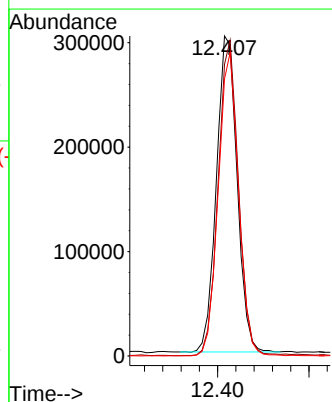
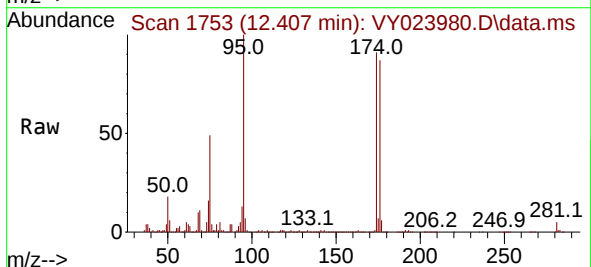
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

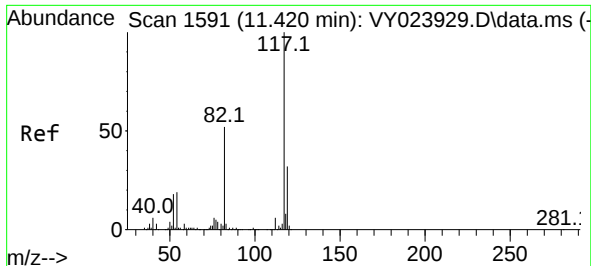
Tgt Ion: 98 Resp: 1539847
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.066 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Tgt Ion: 95 Resp: 475549
Ion Ratio Lower Upper
95 100
174 98.2 0.0 187.4
176 94.4 0.0 179.6

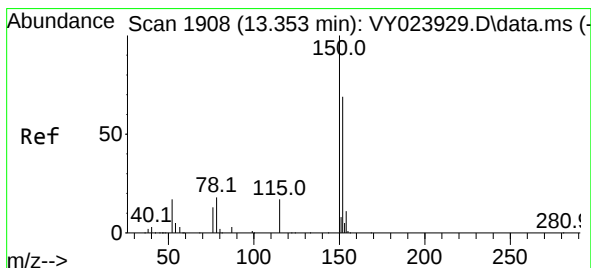
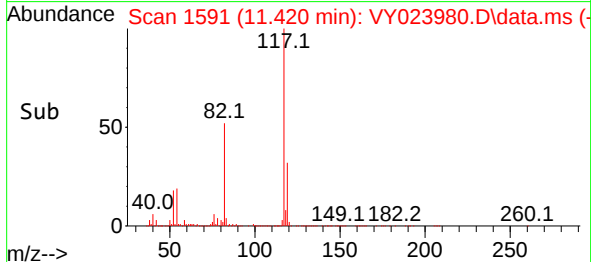
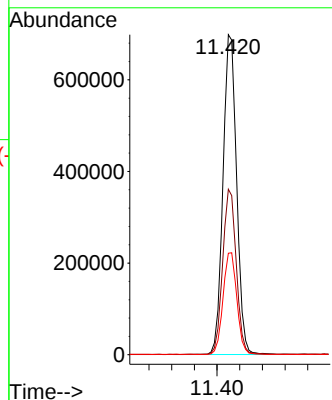
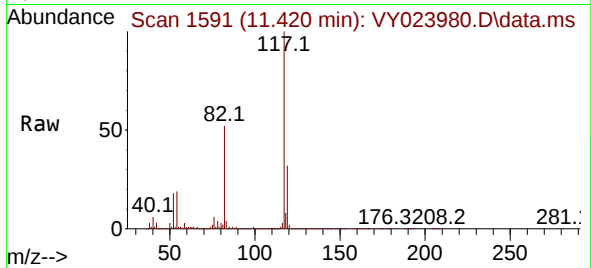




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1159051
Ion Ratio Lower Upper
117 100
82 51.7 41.4 62.2
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY023980.D
Acq: 15 Dec 2025 16:41

Tgt Ion:152 Resp: 505142
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.9
150 155.1 0.0 347.6

