

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121625\
 Data File : VY023991.D
 Acq On : 16 Dec 2025 15:39
 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 17 04:14:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 04:12:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	692039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1145187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	992449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	406845	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	329550	63.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.020%
35) Dibromofluoromethane	7.640	113	363955	53.106	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.220%
50) Toluene-d8	10.109	98	1295787	52.399	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.800%
62) 4-Bromofluorobenzene	12.407	95	391054	48.247	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.500%

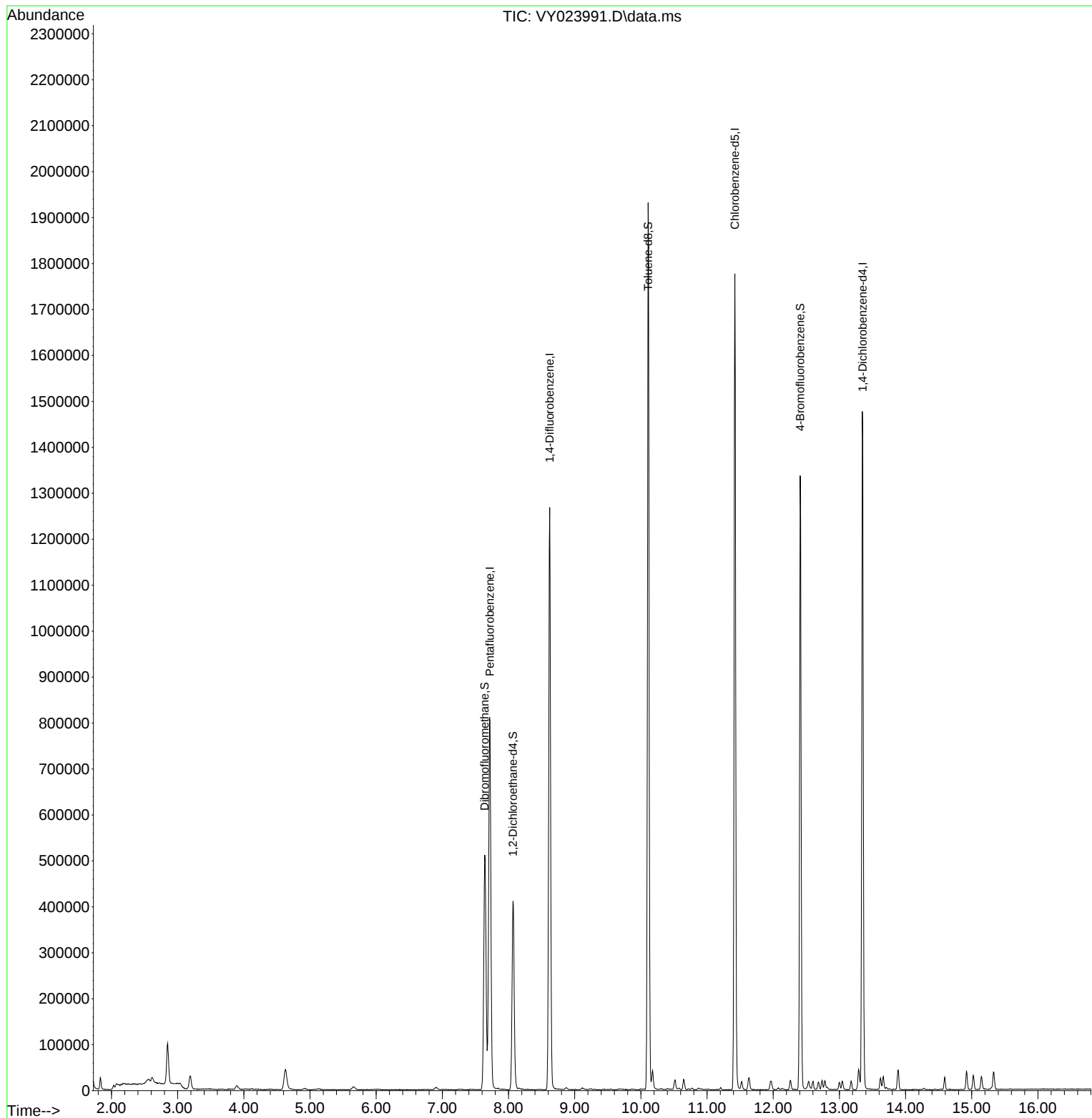
Target Compounds	Qvalue

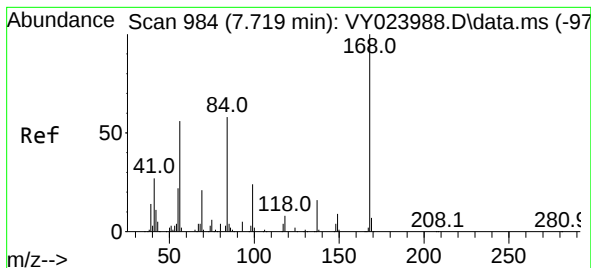
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121625\
Data File : VY023991.D
Acq On : 16 Dec 2025 15:39
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 17 04:14:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121625S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 17 04:12:33 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.719 min Scan# 984

Delta R.T. 0.000 min

Lab File: VY023991.D

Acq: 16 Dec 2025 15:39

Instrument :

MSVOA_Y

ClientSampleId :

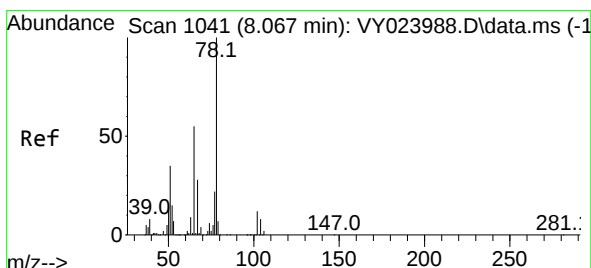
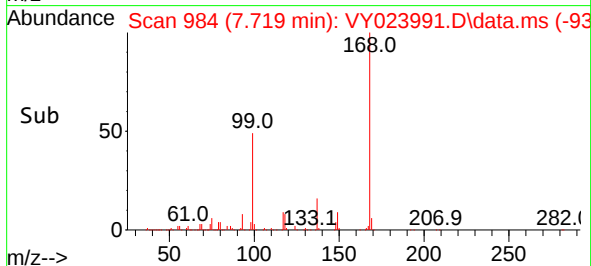
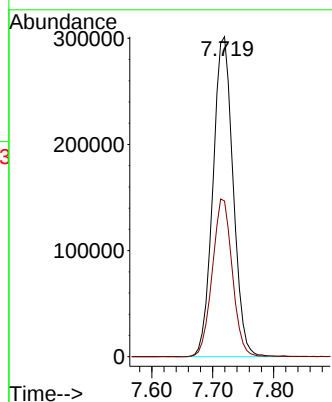
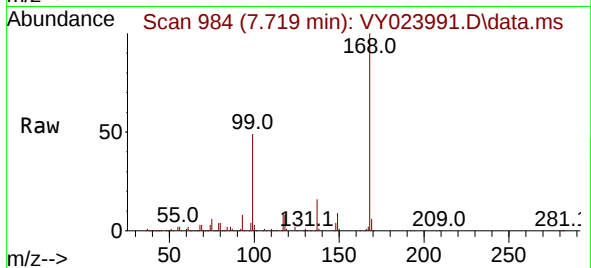
VIBLK

Tgt Ion:168 Resp: 692039

Ion Ratio Lower Upper

168 100

99 48.6 38.3 57.5



#33

1,2-Dichloroethane-d4

Concen: 63.007 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY023991.D

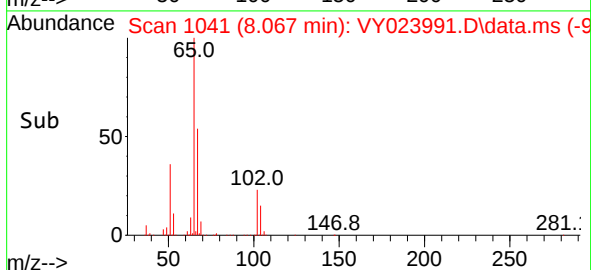
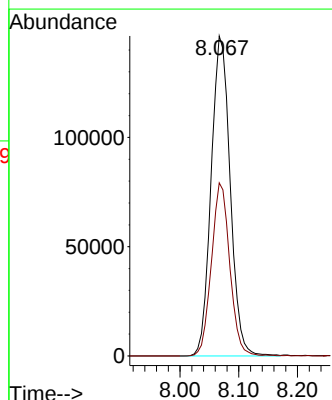
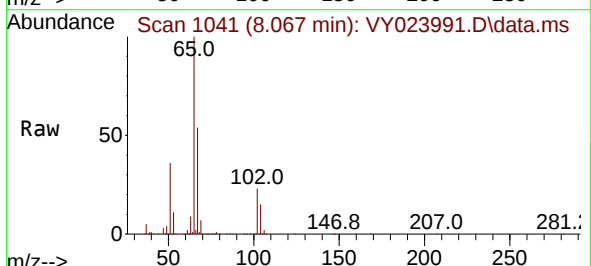
Acq: 16 Dec 2025 15:39

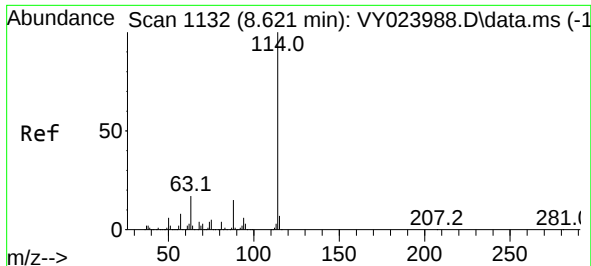
Tgt Ion: 65 Resp: 329550

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY023991.D

Acq: 16 Dec 2025 15:39

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

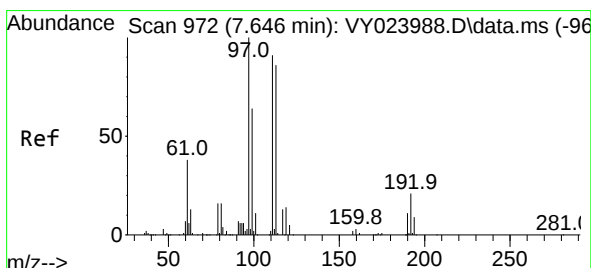
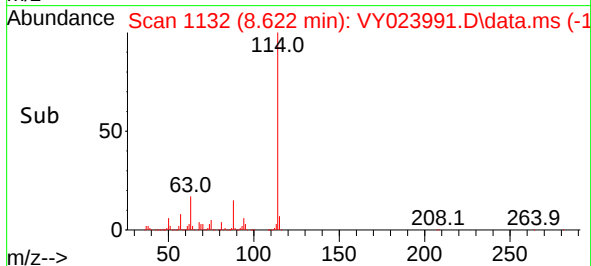
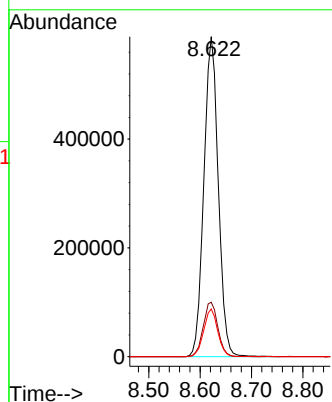
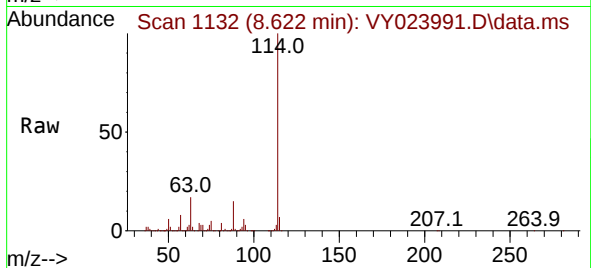
Tgt Ion:114 Resp: 1145187

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.6

88 14.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 53.106 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.006 min

Lab File: VY023991.D

Acq: 16 Dec 2025 15:39

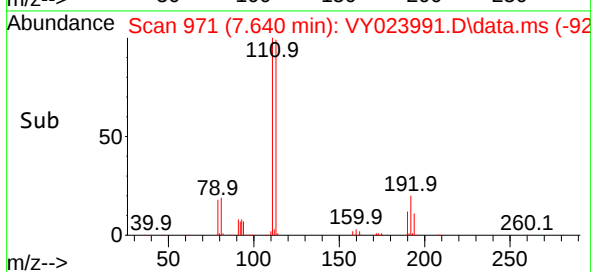
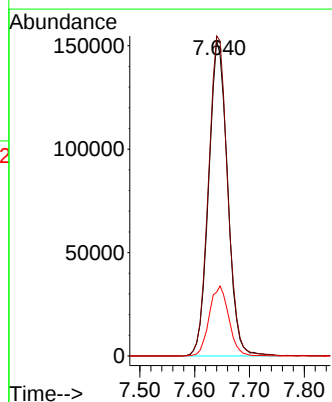
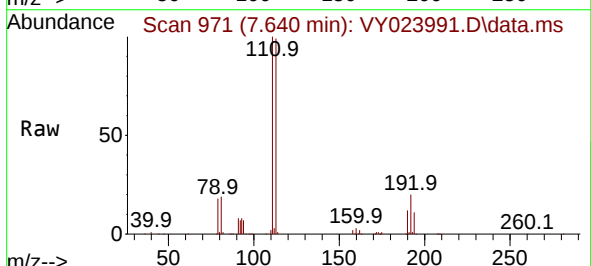
Tgt Ion:113 Resp: 363955

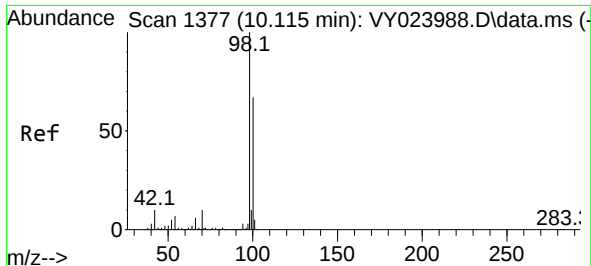
Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

192 22.9 18.2 27.4

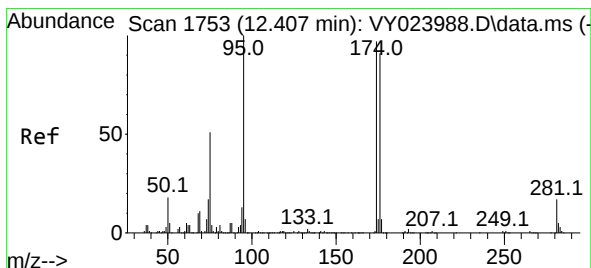
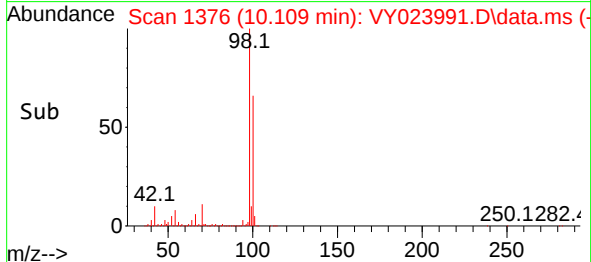
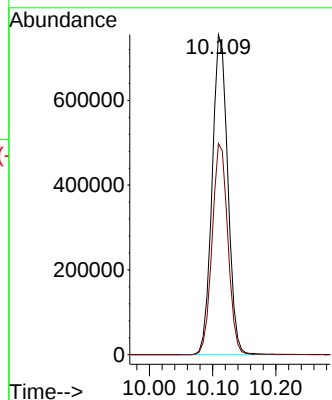
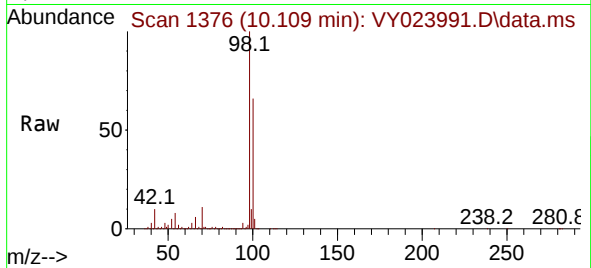




#50
Toluene-d8
Concen: 52.399 ug/l
RT: 10.109 min Scan# 1377
Delta R.T. -0.006 min
Lab File: VY023991.D
Acq: 16 Dec 2025 15:39

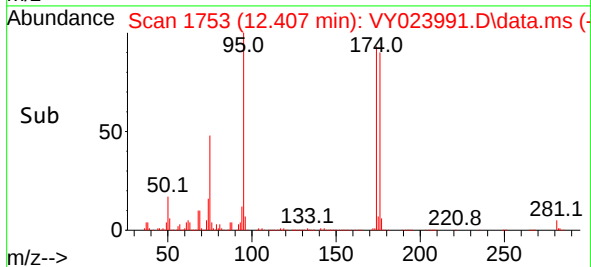
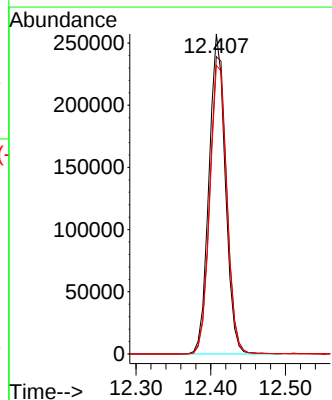
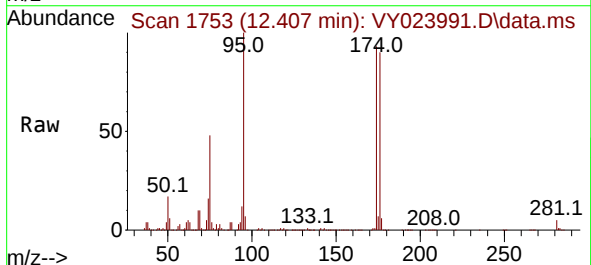
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

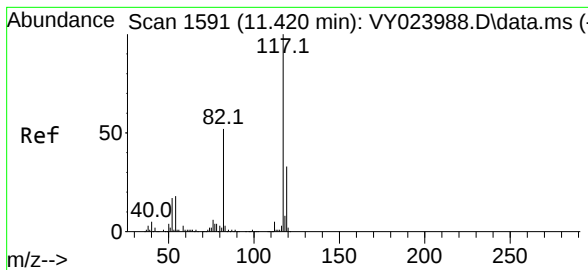
Tgt Ion: 98 Resp: 1295787
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 48.247 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023991.D
Acq: 16 Dec 2025 15:39

Tgt Ion: 95 Resp: 391054
Ion Ratio Lower Upper
95 100
174 97.4 0.0 196.6
176 93.8 0.0 189.6

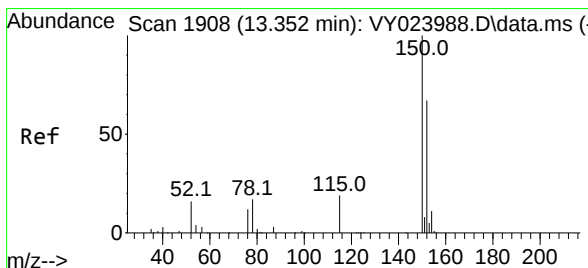
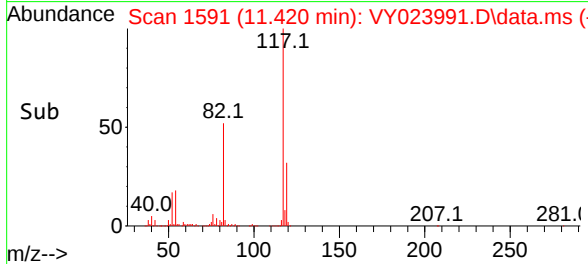
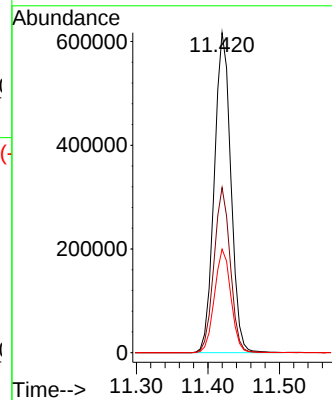
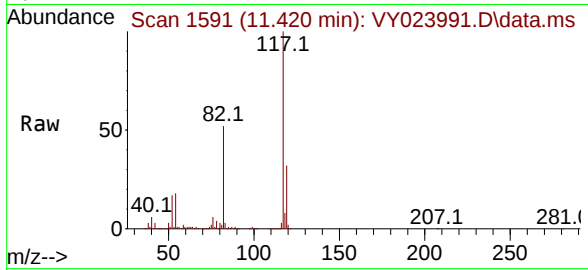




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023991.D
Acq: 16 Dec 2025 15:39

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 992449
Ion Ratio Lower Upper
117 100
82 51.6 41.6 62.4
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY023991.D
Acq: 16 Dec 2025 15:39

Tgt Ion:152 Resp: 406845
Ion Ratio Lower Upper
152 100
115 54.2 27.2 81.5
150 156.7 0.0 349.6

