

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022411.D
 Acq On : 23 May 2025 17:14
 Operator : SY/MD
 Sample : Q2118-11
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-500-502

Quant Time: May 23 23:22:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	313111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	554352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	441958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	152683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	187380	54.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.520%
35) Dibromofluoromethane	7.640	113	171809	51.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.860%
50) Toluene-d8	10.109	98	656564	48.451	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.407	95	164976	38.409	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.820%

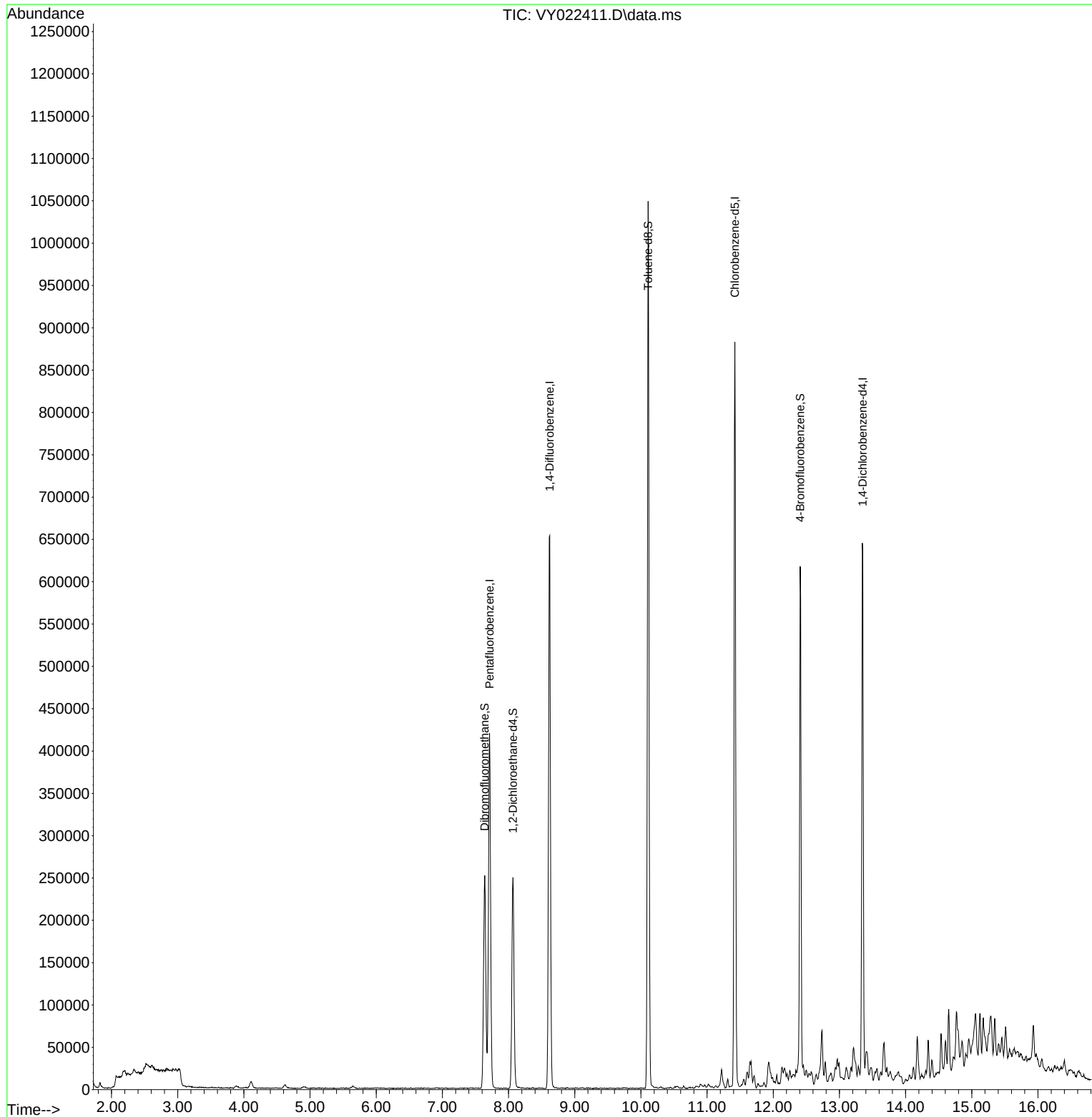
Target Compounds	Qvalue

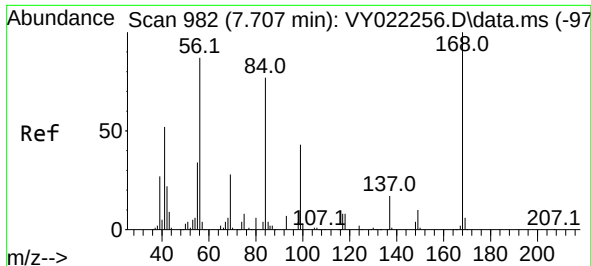
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
Data File : VY022411.D
Acq On : 23 May 2025 17:14
Operator : SY/MD
Sample : Q2118-11
Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502

Quant Time: May 23 23:22:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

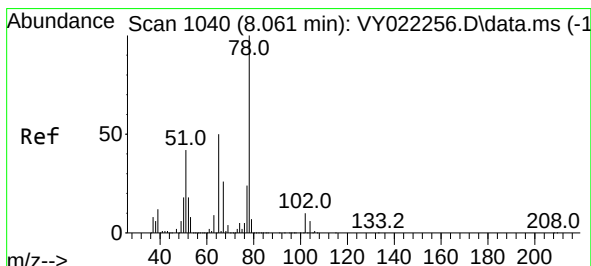
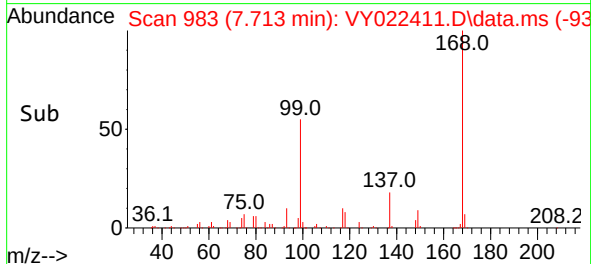
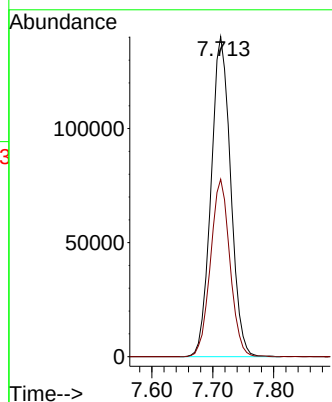
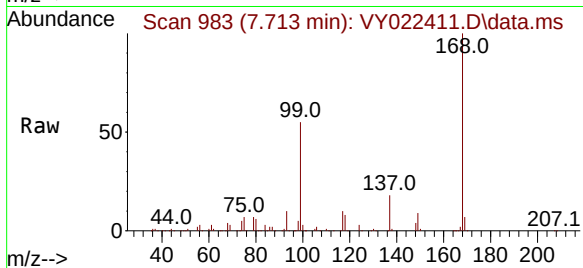




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022411.D
Acq: 23 May 2025 17:14

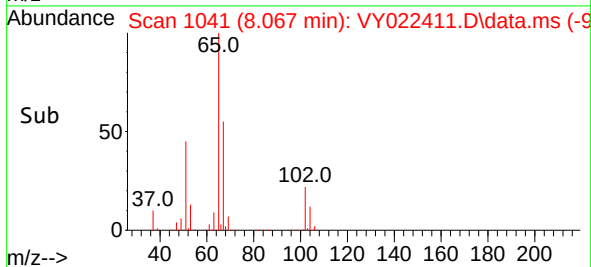
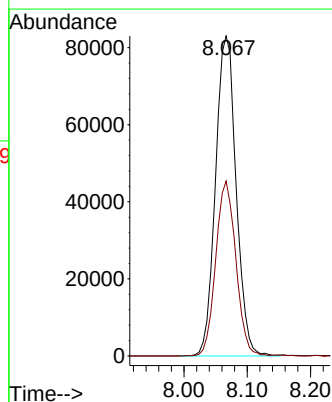
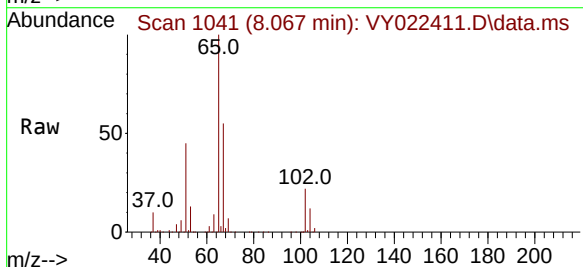
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502

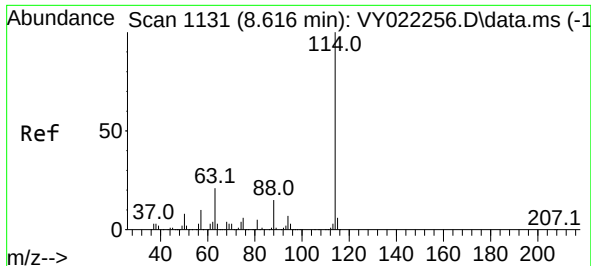
Tgt Ion:168 Resp: 313111
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 54.757 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022411.D
Acq: 23 May 2025 17:14

Tgt Ion: 65 Resp: 187380
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.6

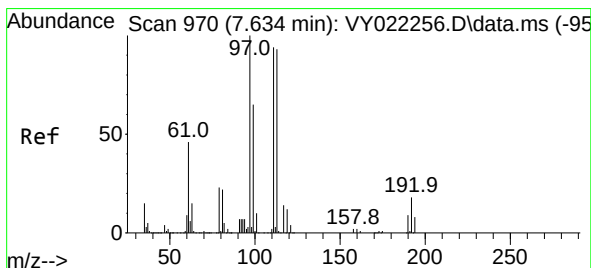
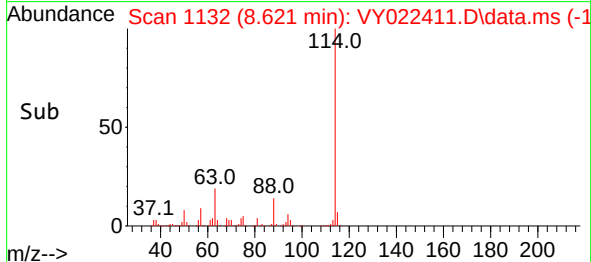
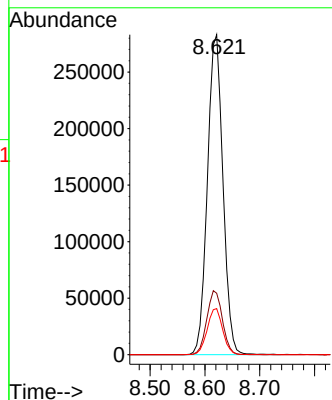
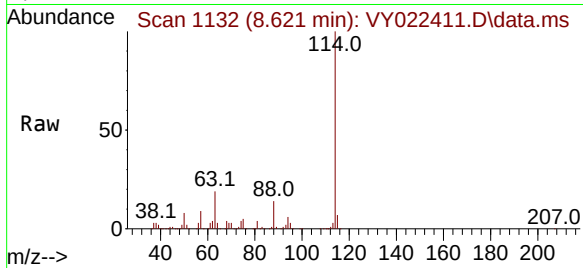




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022411.D
Acq: 23 May 2025 17:14

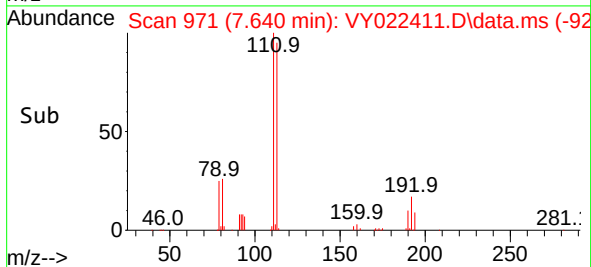
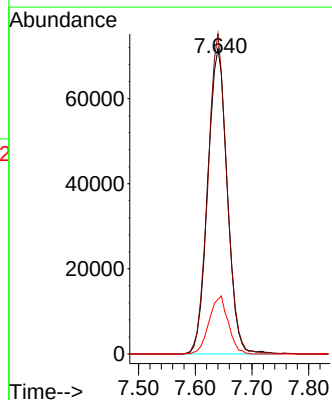
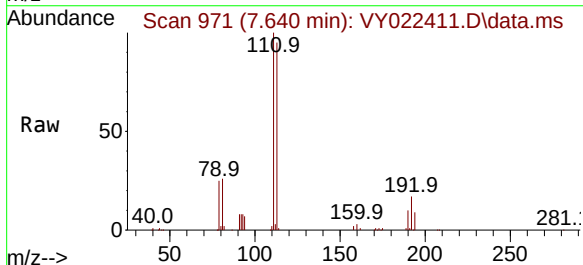
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502

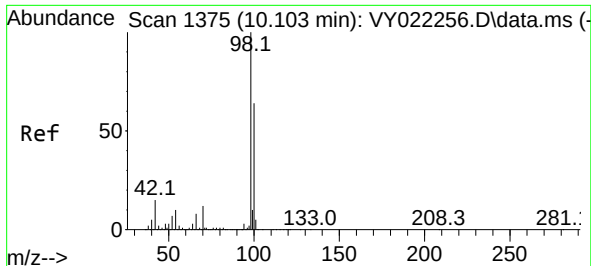
Tgt Ion:114 Resp: 554352
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.0
88 14.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.926 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022411.D
Acq: 23 May 2025 17:14

Tgt Ion:113 Resp: 171809
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 18.6 15.2 22.8

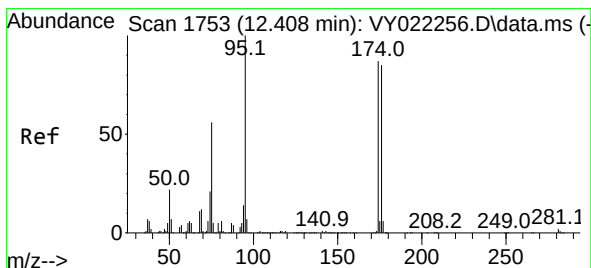
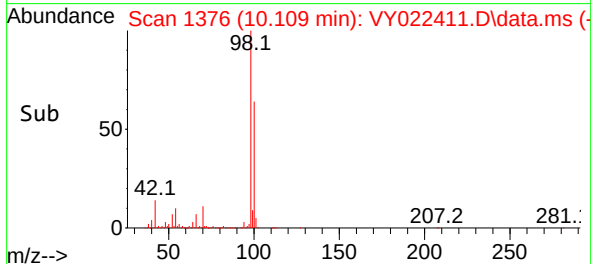
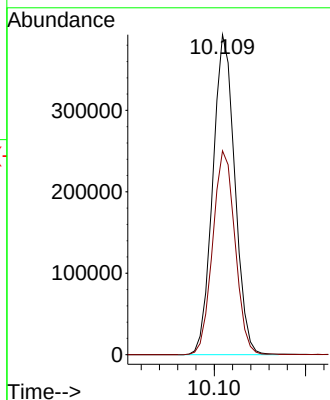
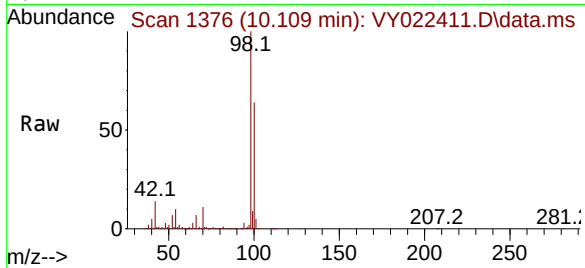




#50
Toluene-d8
Concen: 48.451 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022411.D
Acq: 23 May 2025 17:14

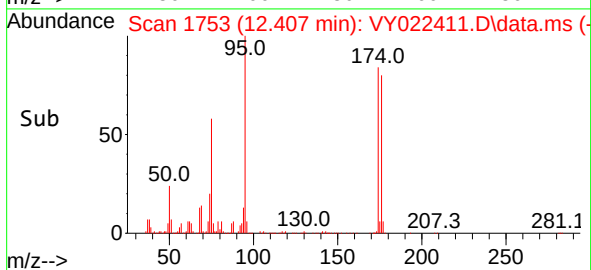
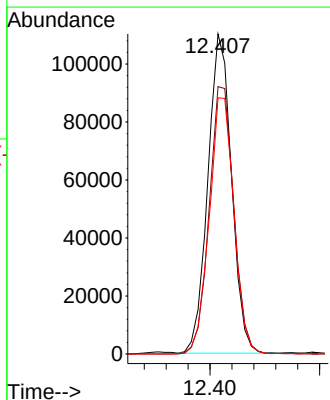
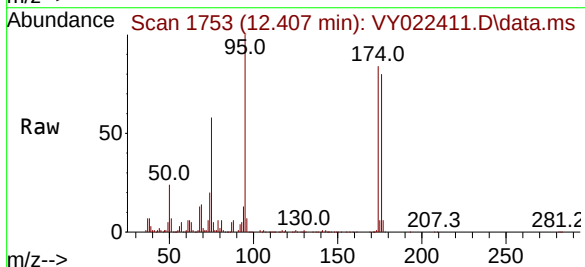
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-500-502

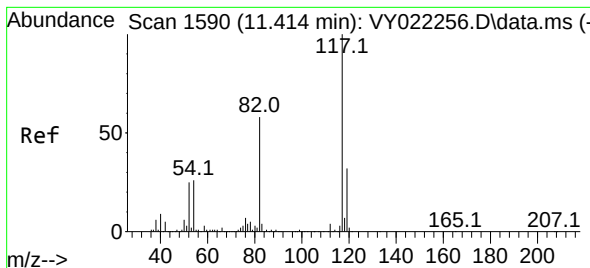
Tgt Ion: 98 Resp: 656564
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.409 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022411.D
Acq: 23 May 2025 17:14

Tgt Ion: 95 Resp: 164976
Ion Ratio Lower Upper
95 100
174 87.1 0.0 166.8
176 84.0 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022411.D

Acq: 23 May 2025 17:14

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-500-502

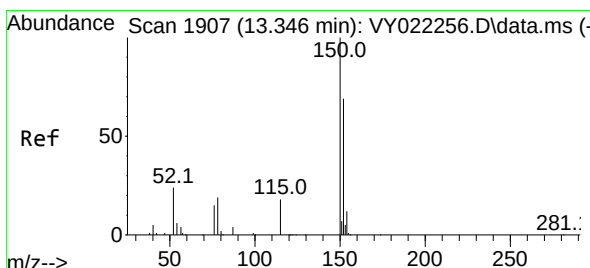
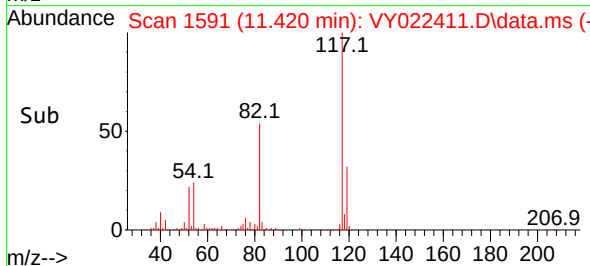
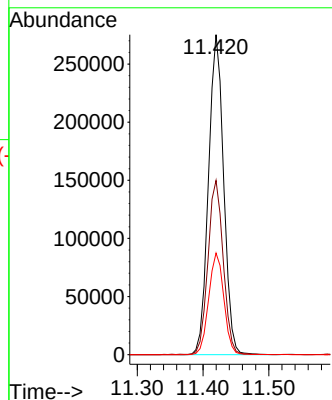
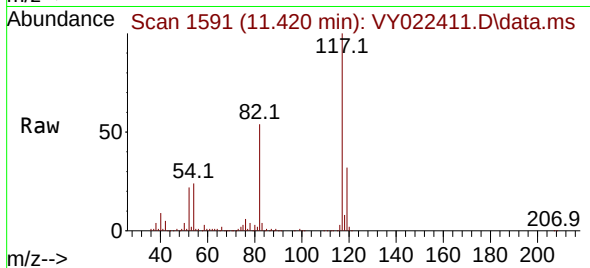
Tgt Ion:117 Resp: 441958

Ion Ratio Lower Upper

117 100

82 54.4 46.6 70.0

119 31.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022411.D

Acq: 23 May 2025 17:14

Tgt Ion:152 Resp: 152683

Ion Ratio Lower Upper

152 100

115 56.7 29.4 88.2

150 156.3 0.0 353.8

