

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023298.D
 Acq On : 05 Sep 2025 15:01
 Operator : SY/MD
 Sample : Q3032-03
 Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-PILE-1

Quant Time: Sep 06 01:56:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	582850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1102138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1012716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	418128	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	316238	56.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.860%
35) Dibromofluoromethane	7.634	113	359385	54.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.980%
50) Toluene-d8	10.109	98	1304767	50.644	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.280%
62) 4-Bromofluorobenzene	12.401	95	409352	49.406	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.820%

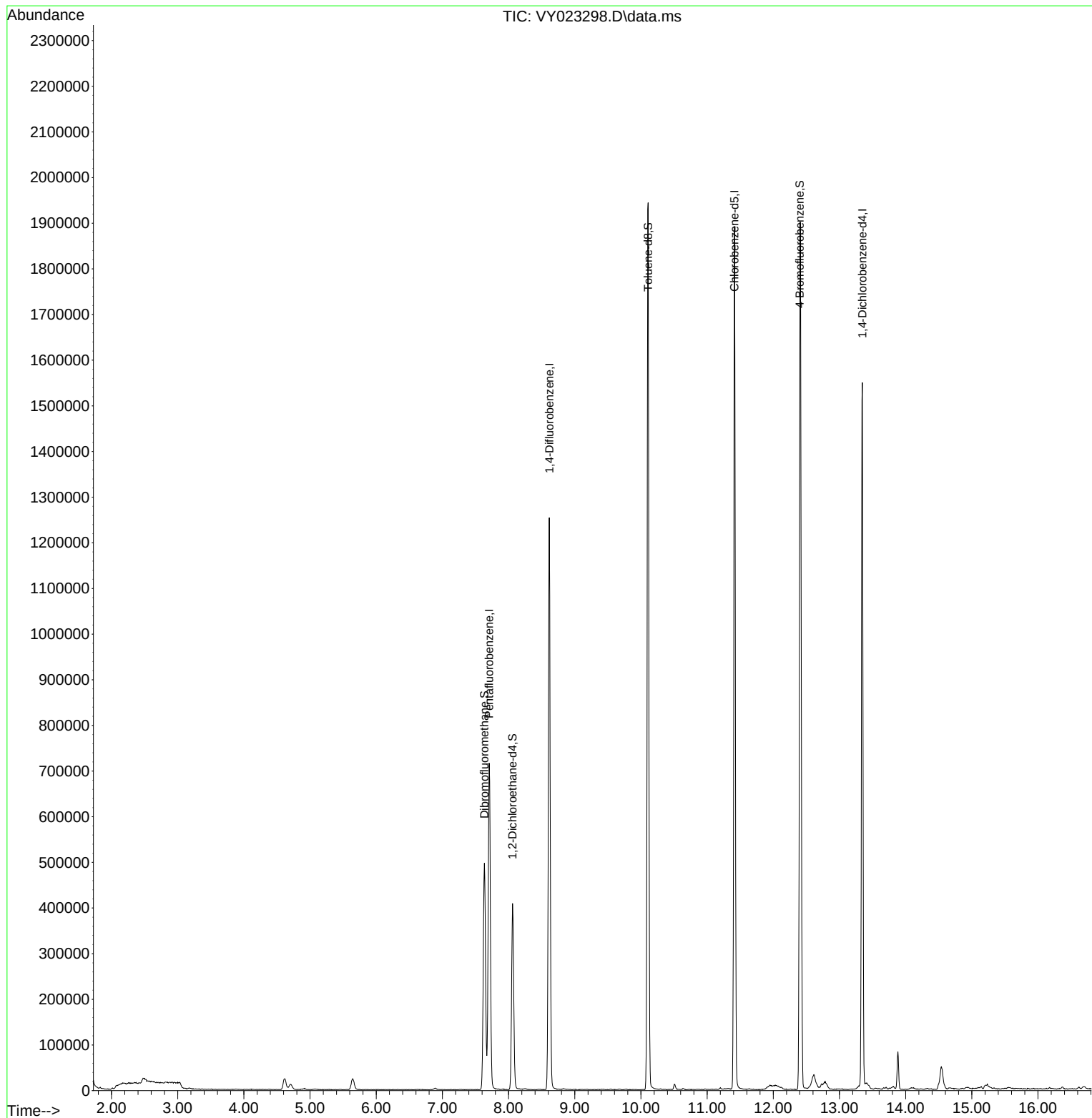
Target Compounds	Qvalue

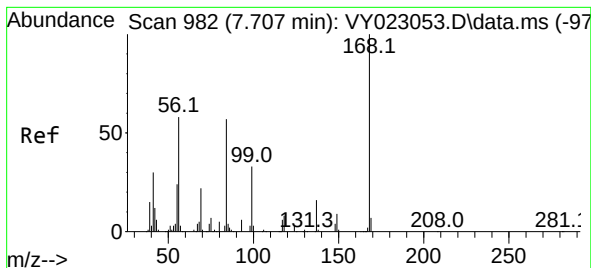
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY023298.D

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Instrument :

MSVOA_Y

ClientSampleId :

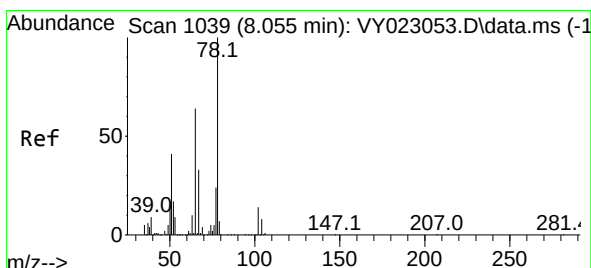
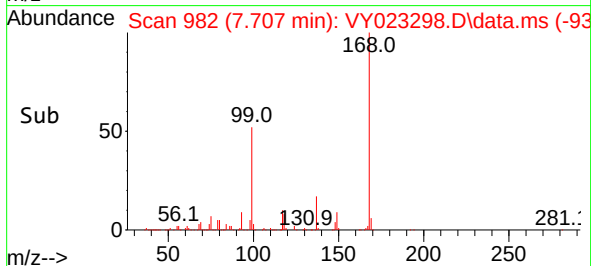
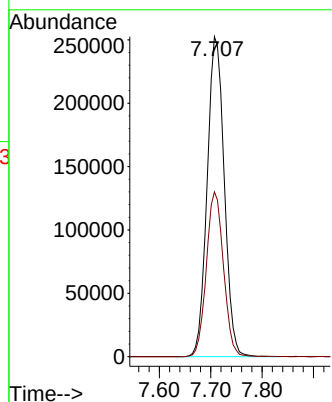
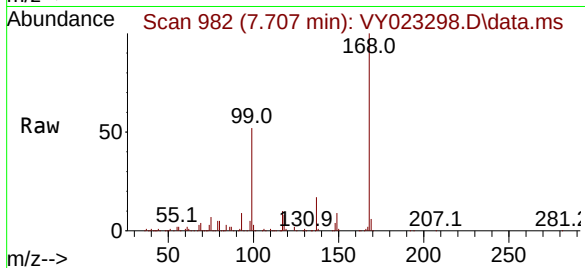
SOIL-PILE-1

Tgt Ion:168 Resp: 582850

Ion Ratio Lower Upper

168 100

99 51.5 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 56.929 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023298.D

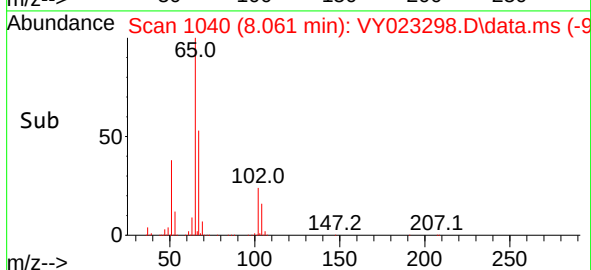
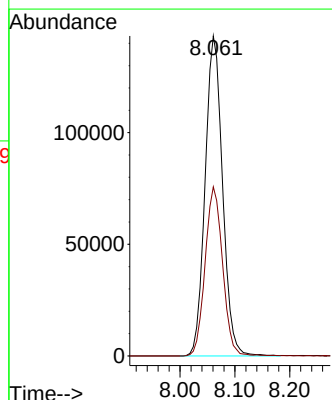
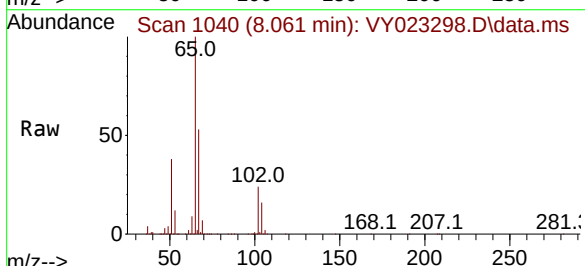
Acq: 05 Sep 2025 15:01

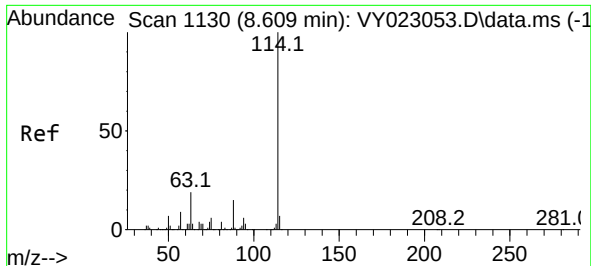
Tgt Ion: 65 Resp: 316238

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8

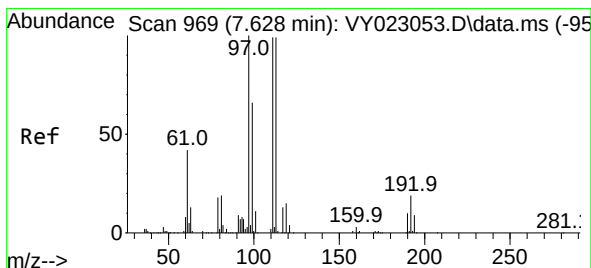
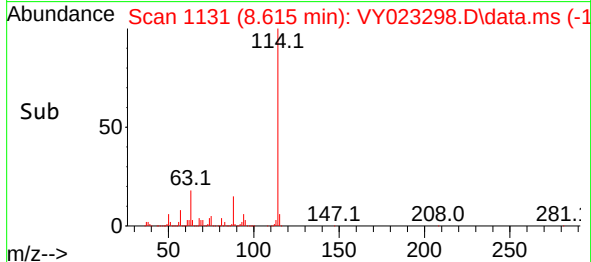
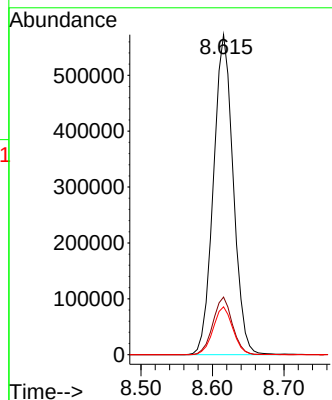
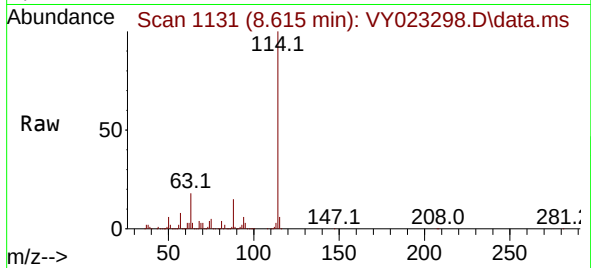




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

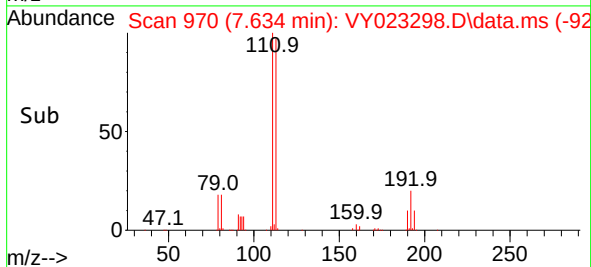
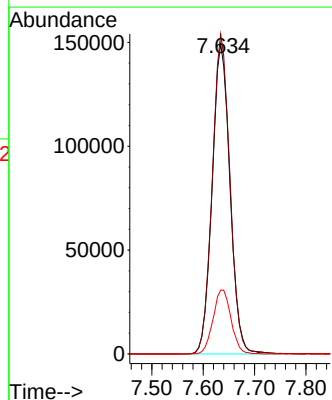
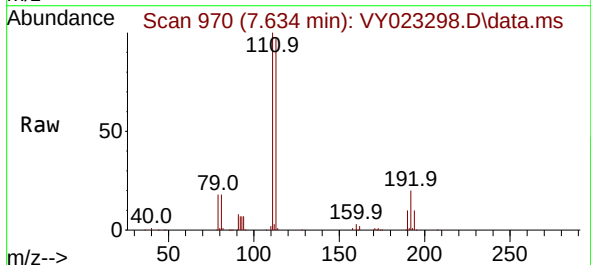
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-1

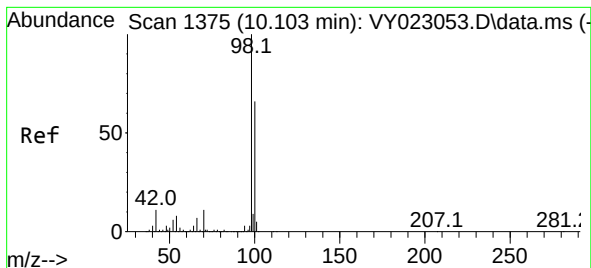
Tgt Ion:114 Resp: 1102138
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.4
88 15.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.495 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

Tgt Ion:113 Resp: 359385
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 20.9 16.2 24.4





#50

Toluene-d8

Concen: 50.644 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY023298.D

Acq: 05 Sep 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

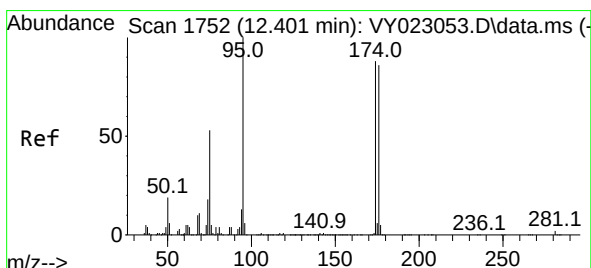
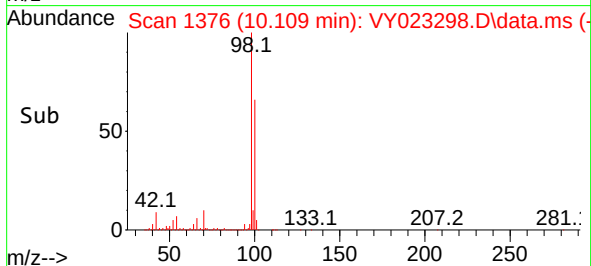
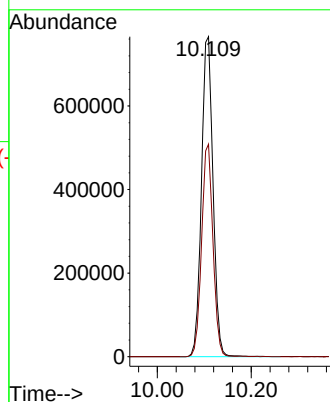
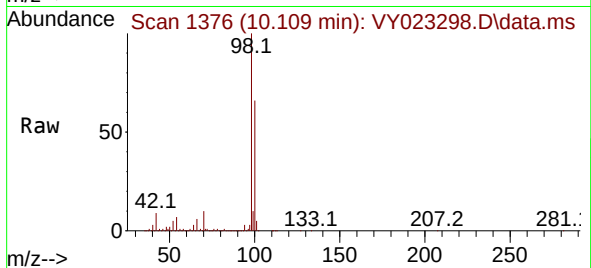
SOIL-PILE-1

Tgt Ion: 98 Resp: 1304767

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 49.406 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023298.D

Acq: 05 Sep 2025 15:01

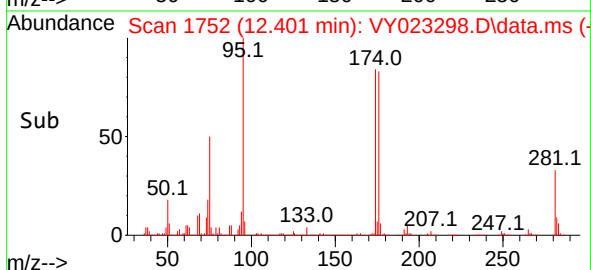
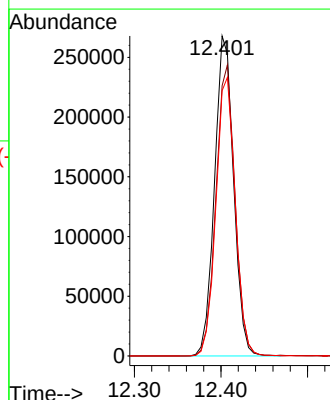
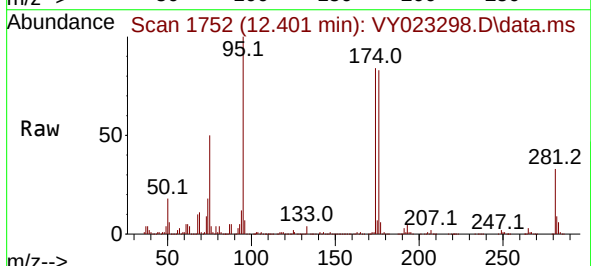
Tgt Ion: 95 Resp: 409352

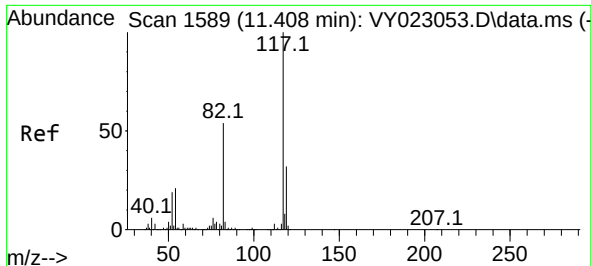
Ion Ratio Lower Upper

95 100

174 91.3 0.0 171.6

176 88.4 0.0 167.6

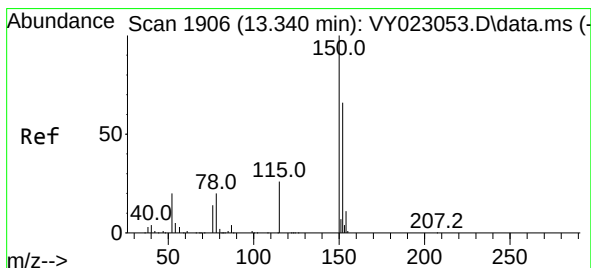
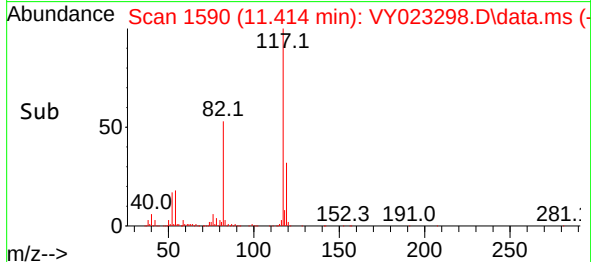
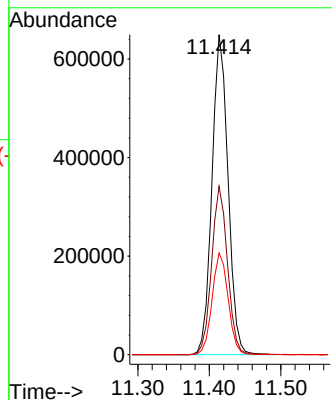
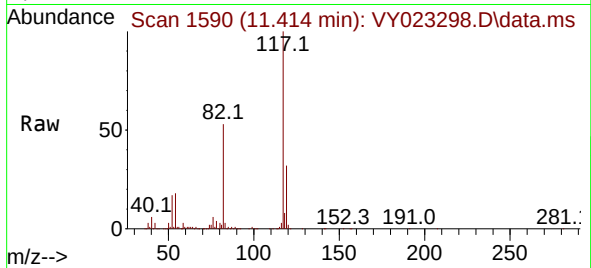




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023298.D
Acq: 05 Sep 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-1

Tgt Ion:117 Resp: 1012716
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 31.8 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: VY023298.D
Acq: 05 Sep 2025 15:01

Tgt Ion:152 Resp: 418128
Ion Ratio Lower Upper
152 100
115 55.4 28.2 84.6
150 156.4 0.0 348.0

