

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023299.D
 Acq On : 05 Sep 2025 15:25
 Operator : SY/MD
 Sample : Q3032-06
 Misc : 7.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-PILE-2

Quant Time: Sep 06 01:57:06 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	570597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1070253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	982616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	401855	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306982	56.449	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.900%
35) Dibromofluoromethane	7.634	113	347945	54.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.660%
50) Toluene-d8	10.103	98	1275312	50.976	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.960%
62) 4-Bromofluorobenzene	12.401	95	393666	48.929	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.860%

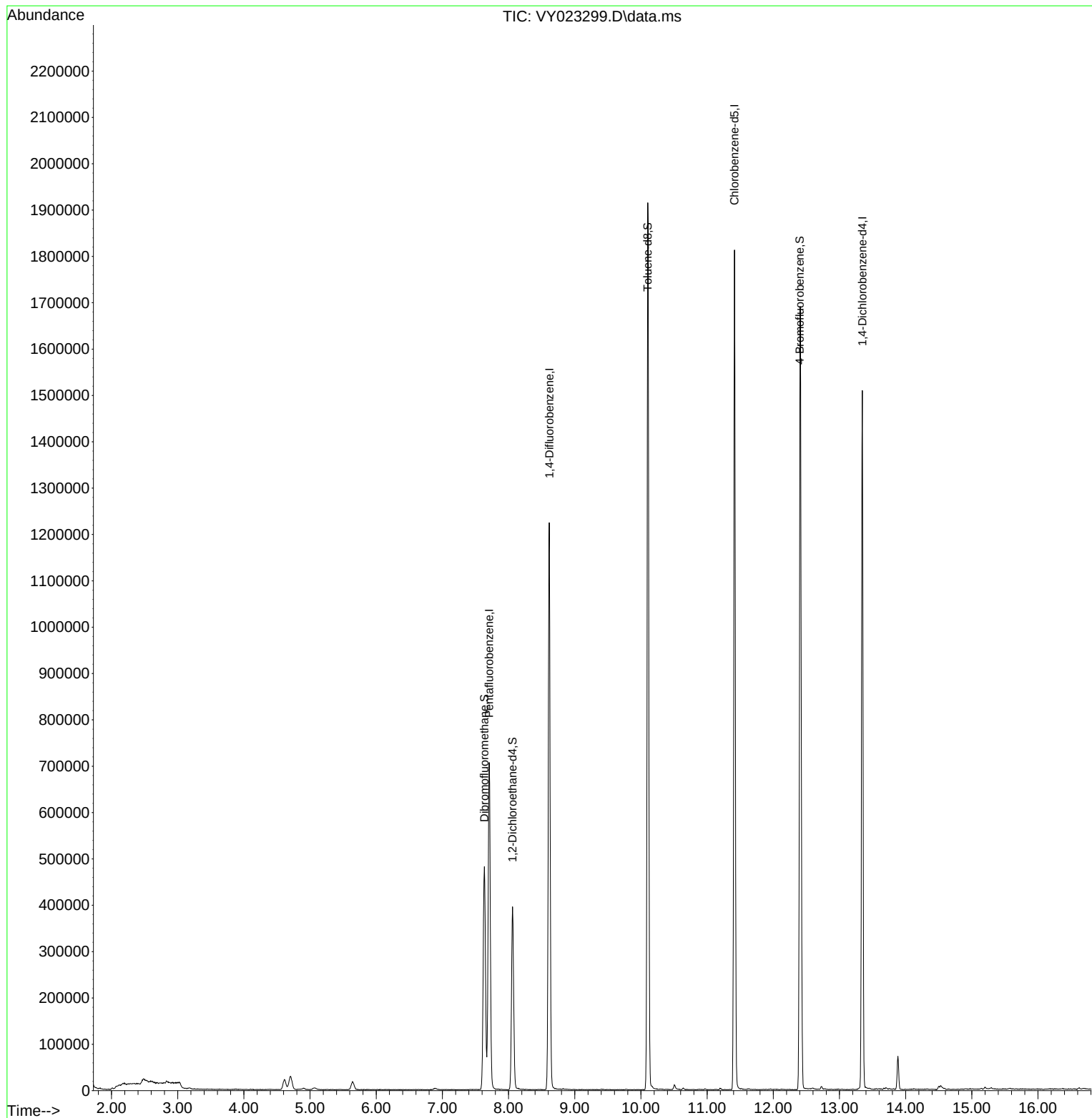
Target Compounds	Qvalue

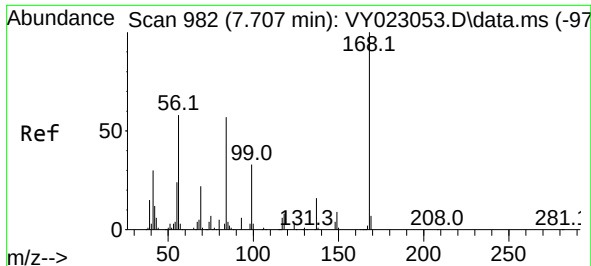
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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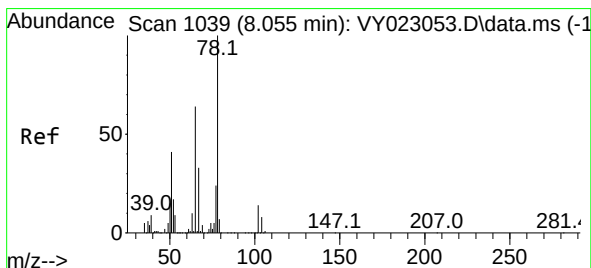
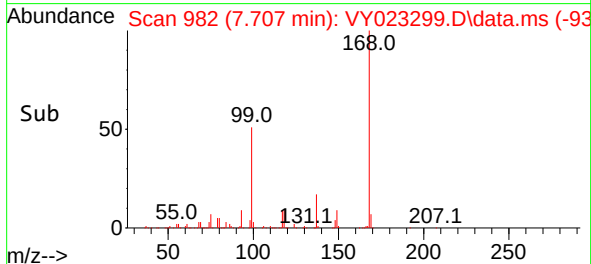
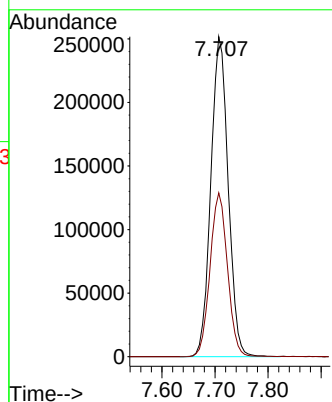
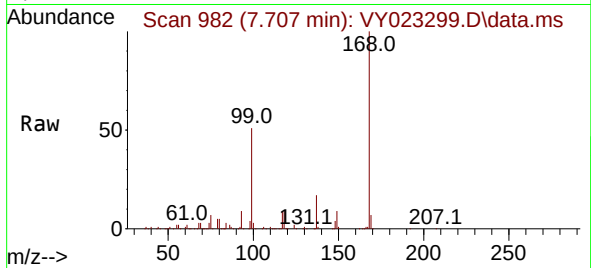




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

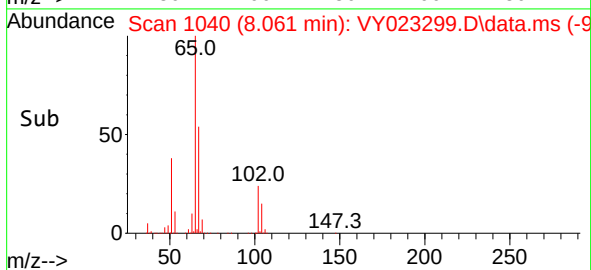
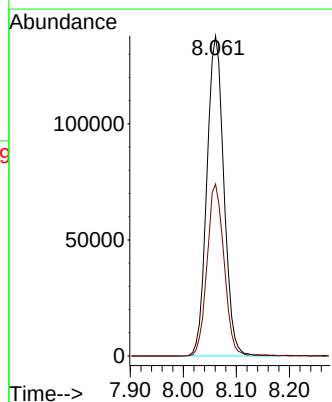
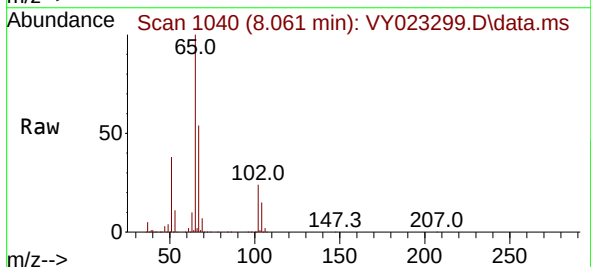
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-2

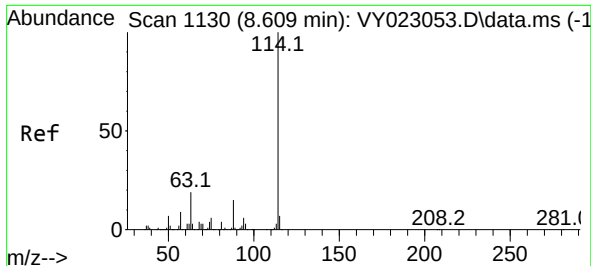
Tgt Ion:168 Resp: 570597
Ion Ratio Lower Upper
168 100
99 51.2 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 56.449 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

Tgt Ion: 65 Resp: 306982
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8

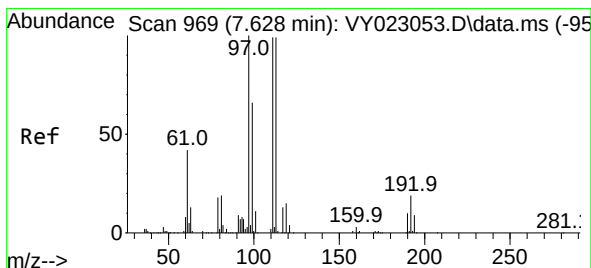
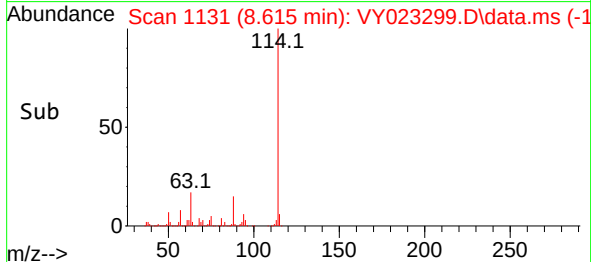
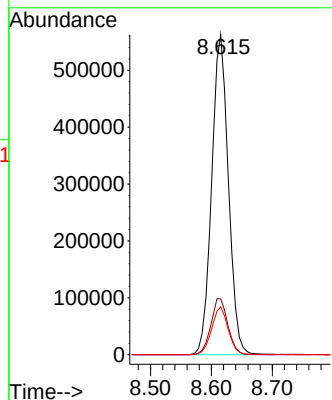
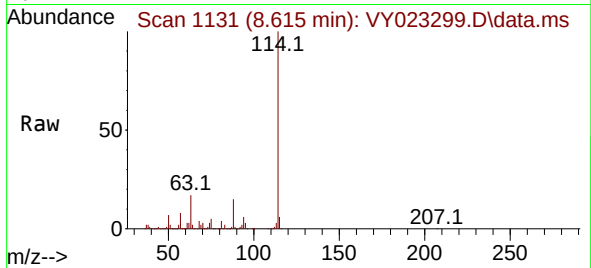




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

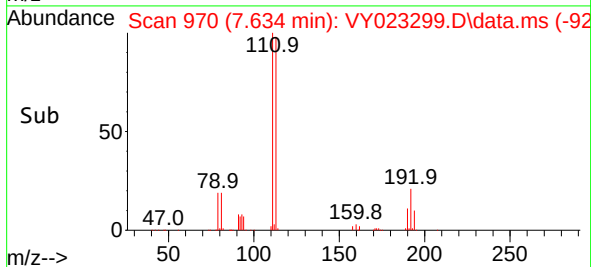
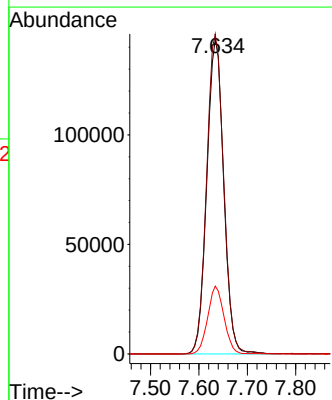
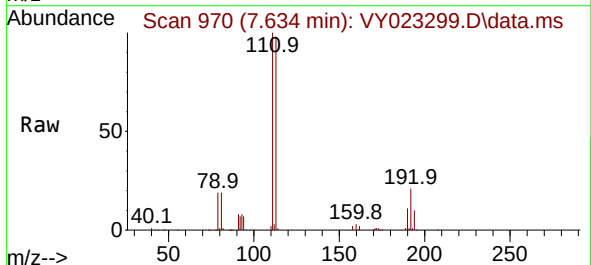
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-2

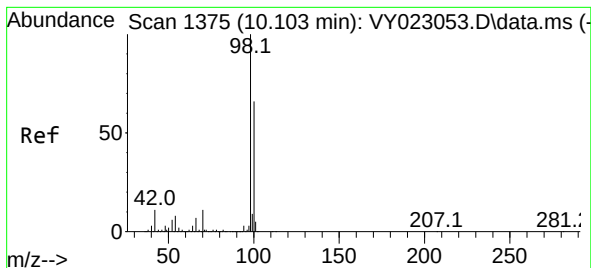
Tgt Ion:114 Resp: 1070253
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 14.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.332 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

Tgt Ion:113 Resp: 347945
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 20.9 16.2 24.4

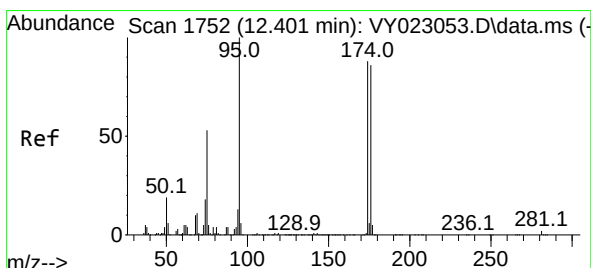
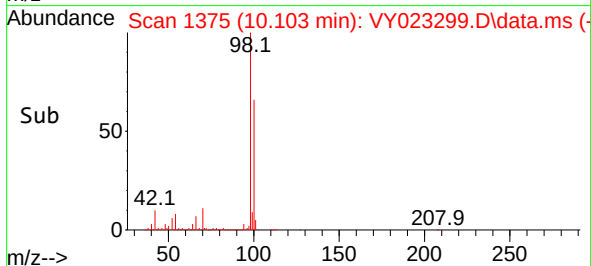
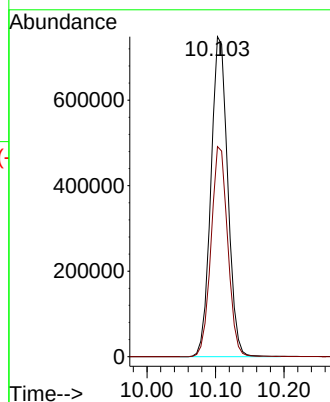
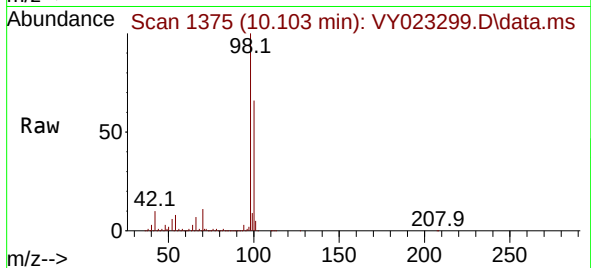




#50
Toluene-d8
Concen: 50.976 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

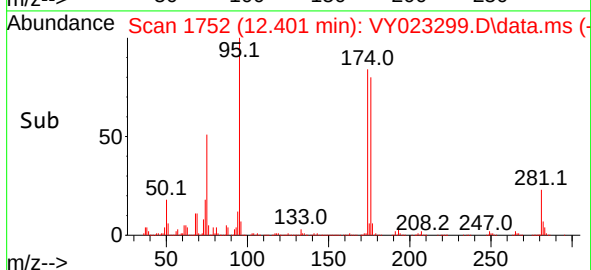
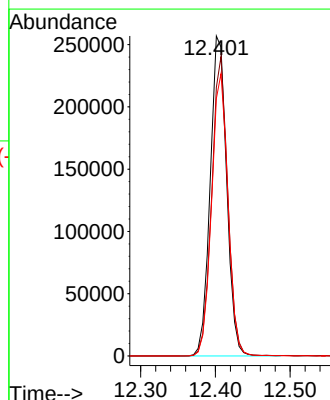
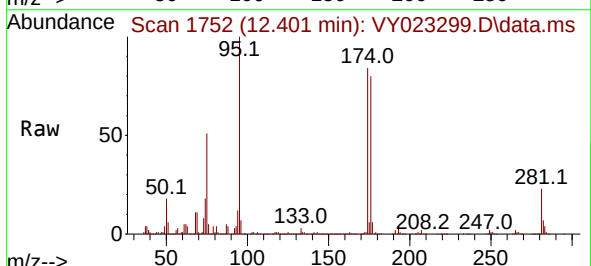
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-PILE-2

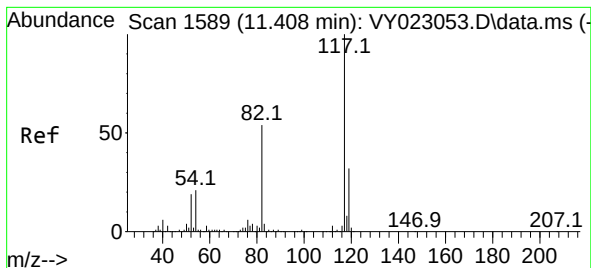
Tgt Ion: 98 Resp: 1275312
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.929 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023299.D
Acq: 05 Sep 2025 15:25

Tgt Ion: 95 Resp: 393666
Ion Ratio Lower Upper
95 100
174 91.5 0.0 171.6
176 88.1 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: VY023299.D

Acq: 05 Sep 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-PILE-2

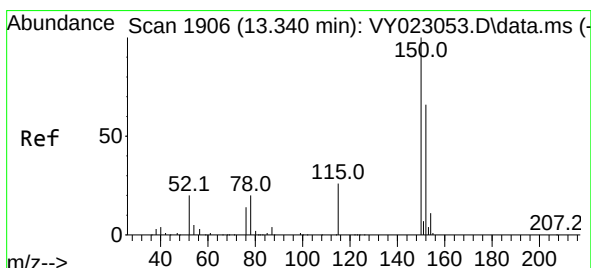
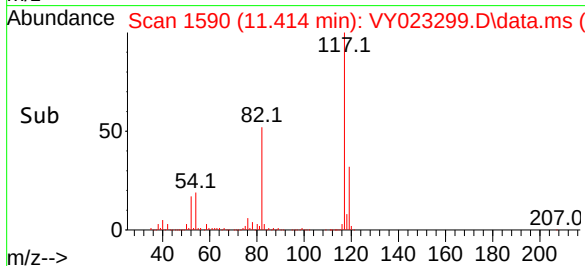
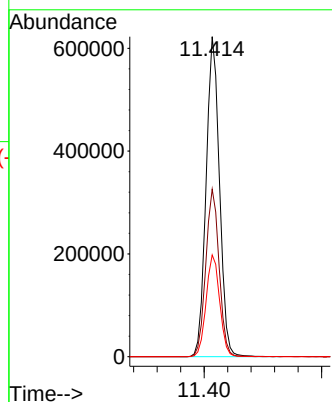
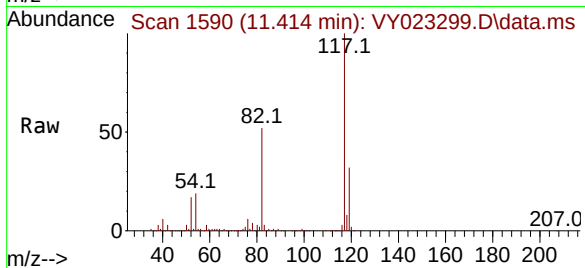
Tgt Ion:117 Resp: 982616

Ion Ratio Lower Upper

117 100

82 52.4 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: VY023299.D

Acq: 05 Sep 2025 15:25

Tgt Ion:152 Resp: 401855

Ion Ratio Lower Upper

152 100

115 55.9 28.2 84.6

150 156.0 0.0 348.0

