

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023118.D
 Acq On : 15 Aug 2025 11:54
 Operator : SY/MD
 Sample : Q2820-21
 Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-N

Quant Time: Aug 18 02:27:52 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	570930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	1075634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	964069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	387628	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310901	57.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.280%
35) Dibromofluoromethane	7.634	113	339136	52.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.380%
50) Toluene-d8	10.103	98	1302624	51.807	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.620%
62) 4-Bromofluorobenzene	12.402	95	391385	48.402	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.800%

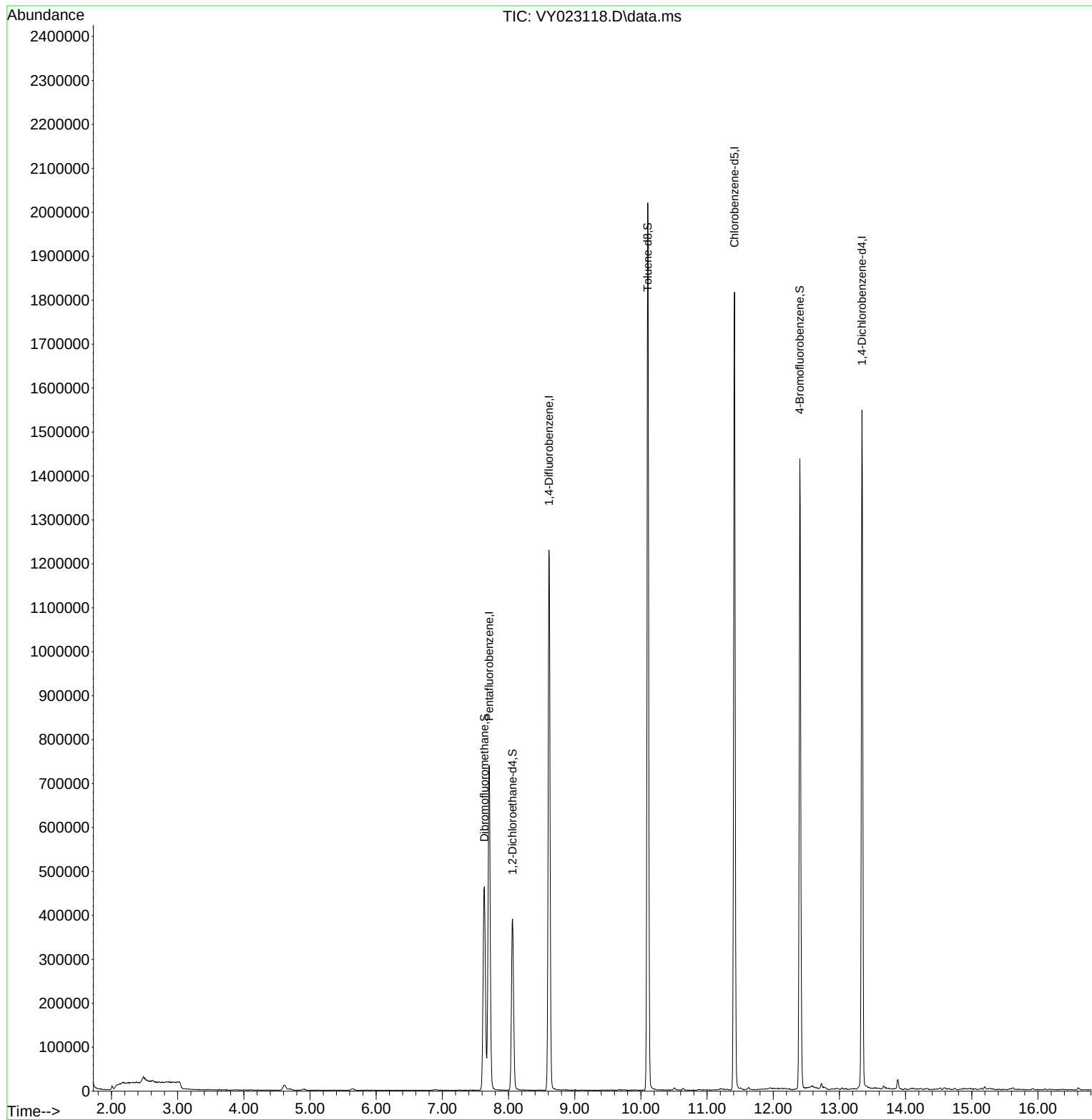
Target Compounds	Qvalue

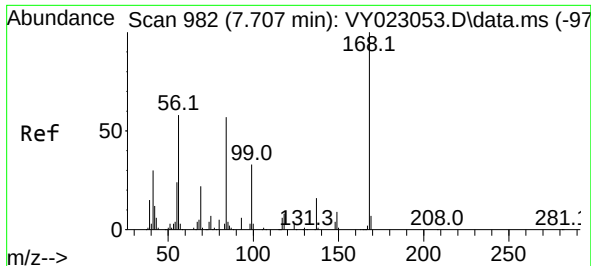
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
Data File : VY023118.D
Acq On : 15 Aug 2025 11:54
Operator : SY/MD
Sample : Q2820-21
Misc : 7.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
22M-N

Quant Time: Aug 18 02:27:52 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

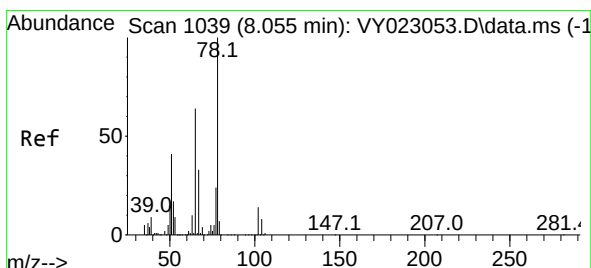
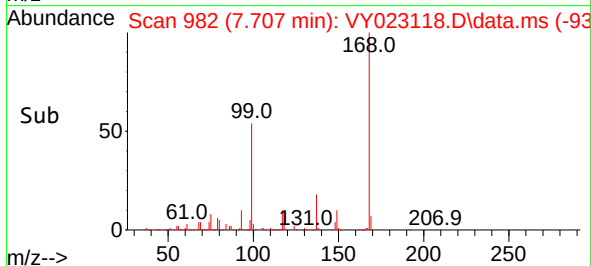
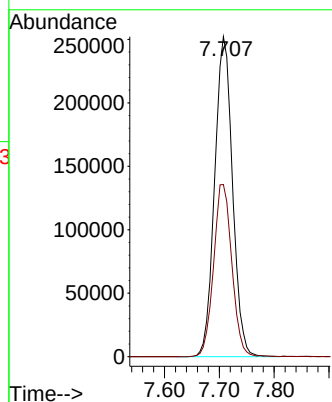
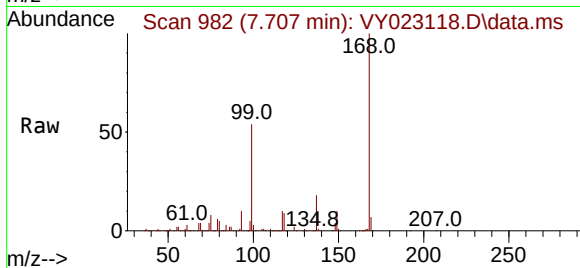




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

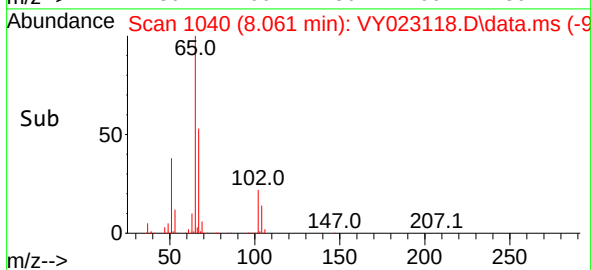
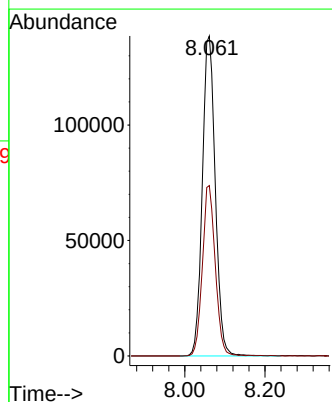
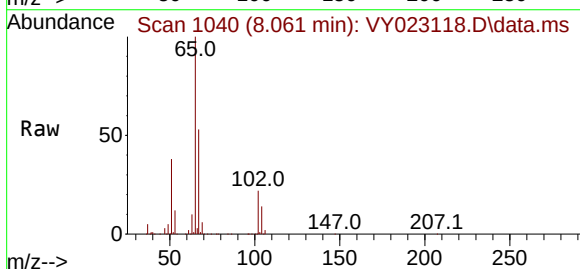
Instrument :
MSVOA_Y
ClientSampleId :
22M-N

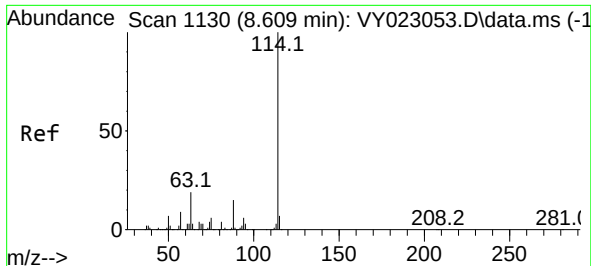
Tgt Ion:168 Resp: 570930
Ion Ratio Lower Upper
168 100
99 53.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 57.137 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Tgt Ion: 65 Resp: 310901
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

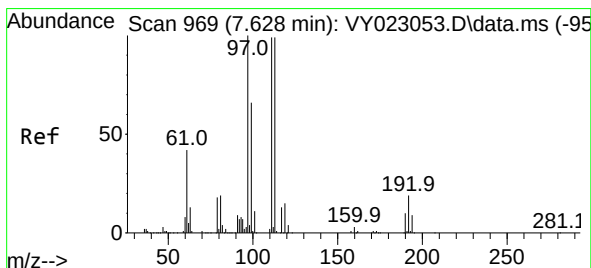
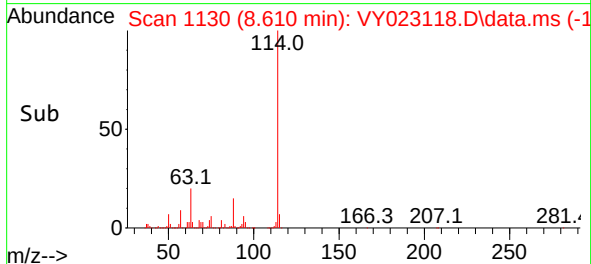
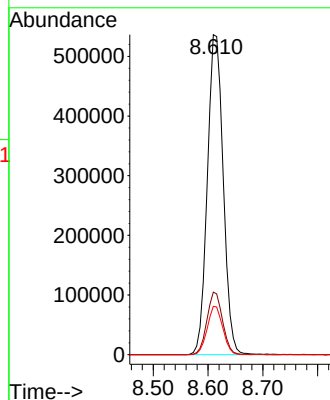
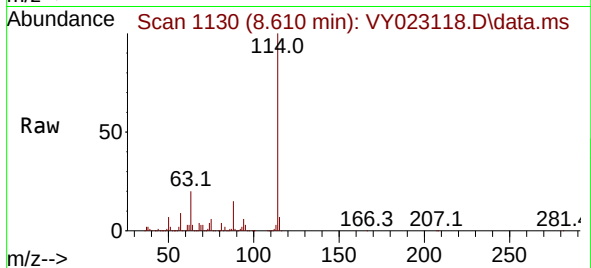




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

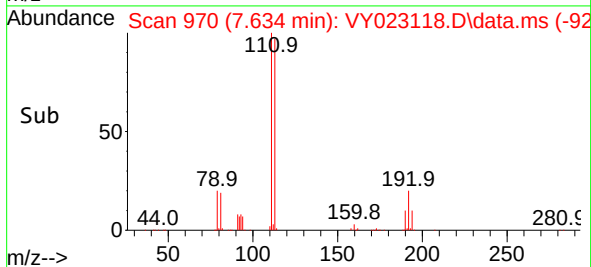
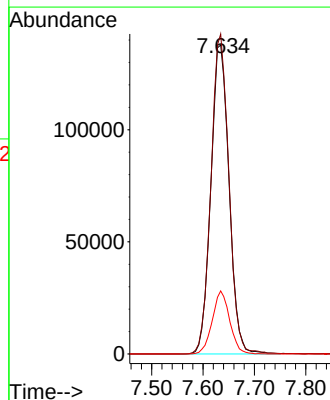
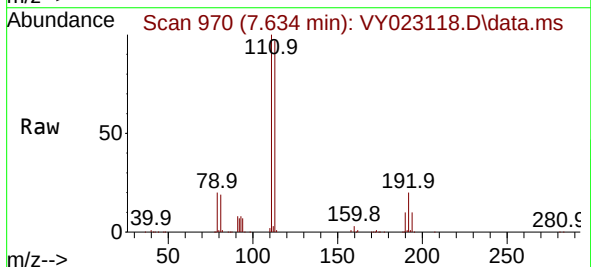
Instrument :
MSVOA_Y
ClientSampleId :
22M-N

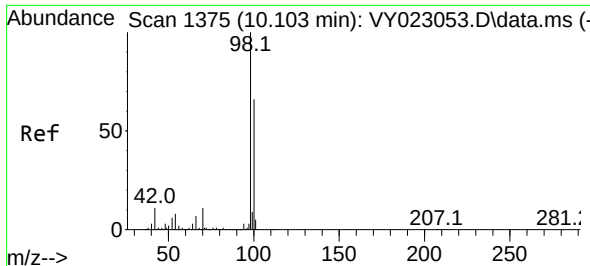
Tgt Ion:114 Resp: 1075634
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.692 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Tgt Ion:113 Resp: 339136
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 19.5 16.2 24.4

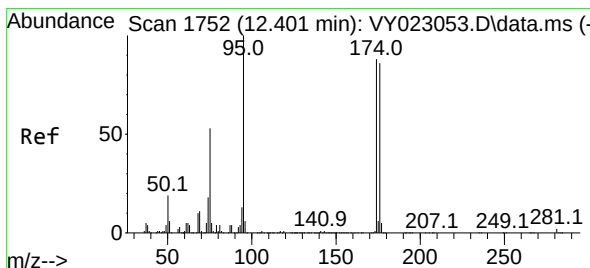
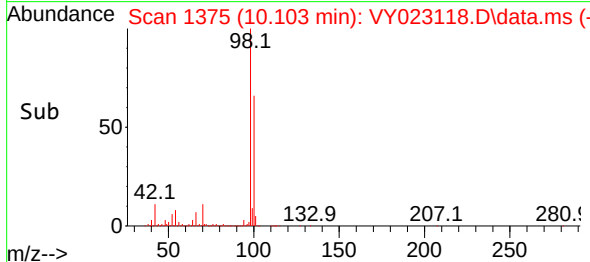
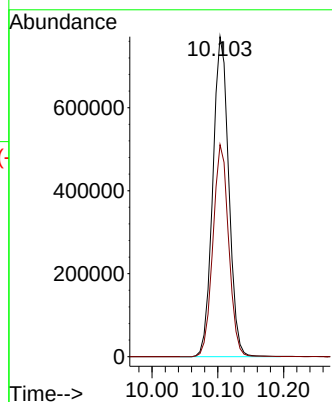
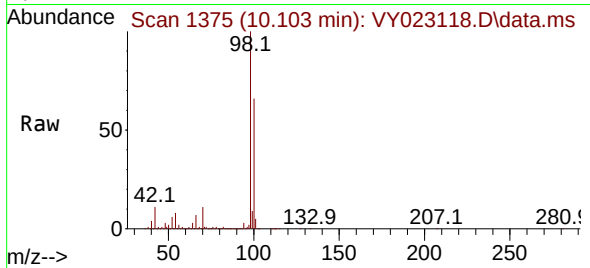




#50
Toluene-d8
Concen: 51.807 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

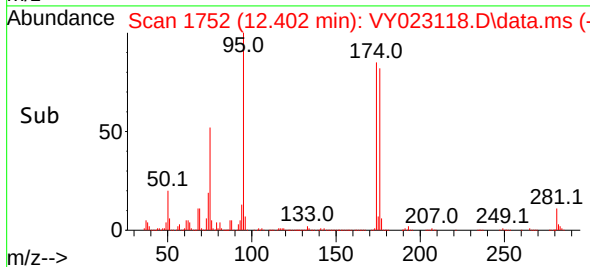
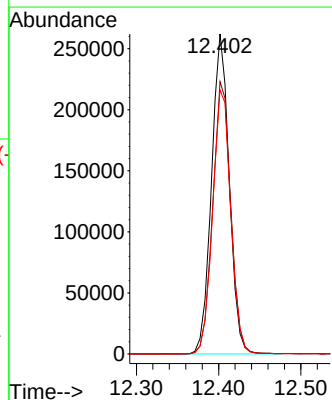
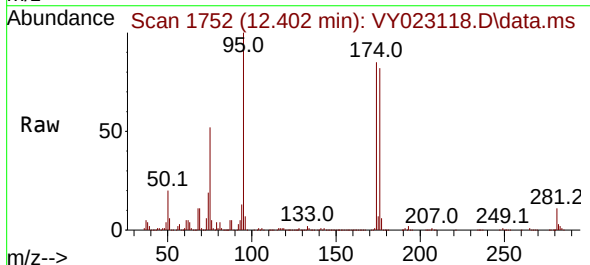
Instrument :
MSVOA_Y
ClientSampleId :
22M-N

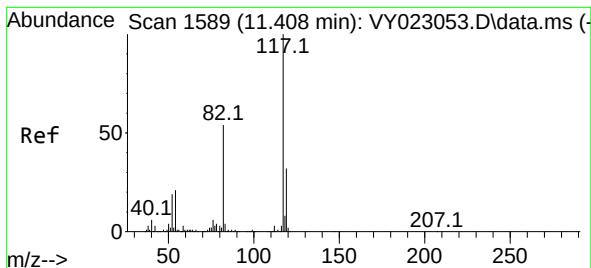
Tgt Ion: 98 Resp: 1302624
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.402 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023118.D
Acq: 15 Aug 2025 11:54

Tgt Ion: 95 Resp: 391385
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 84.6 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: VY023118.D

Acq: 15 Aug 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

22M-N

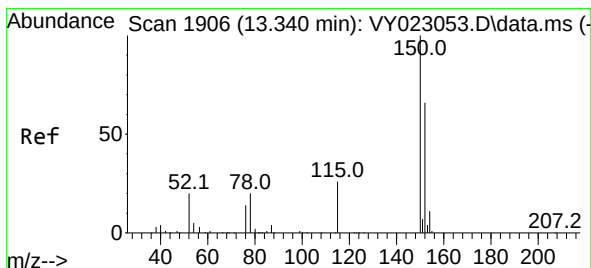
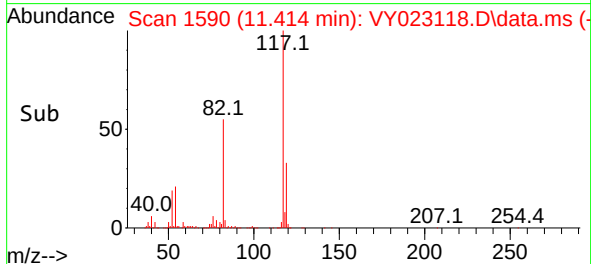
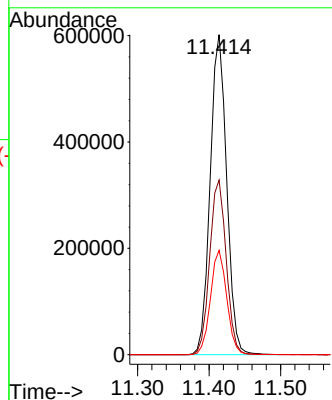
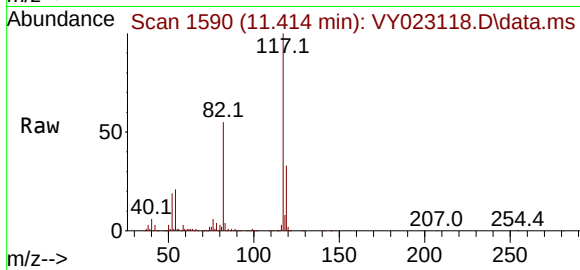
Tgt Ion:117 Resp: 964069

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 32.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023118.D

Acq: 15 Aug 2025 11:54

Tgt Ion:152 Resp: 387628

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 157.4 0.0 348.0

