

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023163.D
 Acq On : 20 Aug 2025 09:55
 Operator : SY/MD
 Sample : VY0820SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0820SBL01

Quant Time: Aug 21 01:36:05 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	7.713	168	578816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1083634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	970907	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	382880	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310295	56.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.500%
35) Dibromofluoromethane	7.634	113	344289	53.097	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.200%
50) Toluene-d8	10.109	98	1315018	51.914	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.408	95	380924	46.760	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.520%

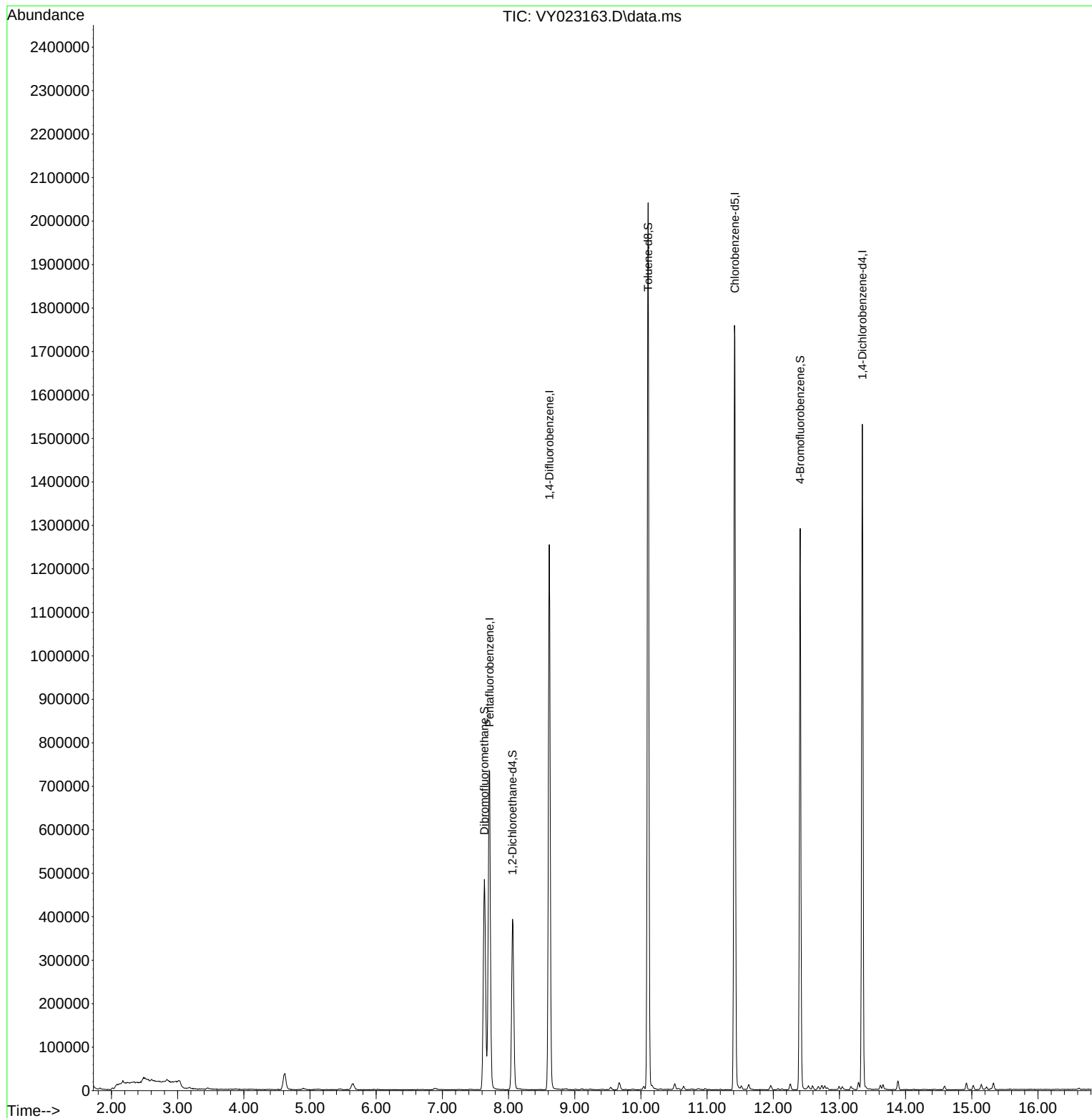
Target Compounds	Qvalue

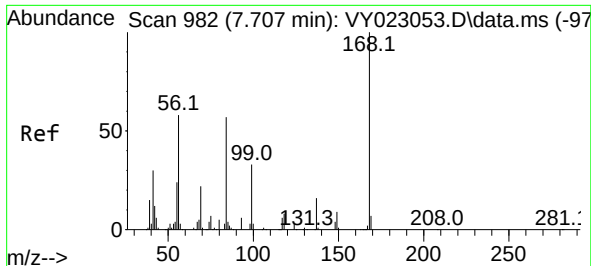
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023163.D
Acq On : 20 Aug 2025 09:55
Operator : SY/MD
Sample : VY0820SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

Quant Time: Aug 21 01:36:05 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

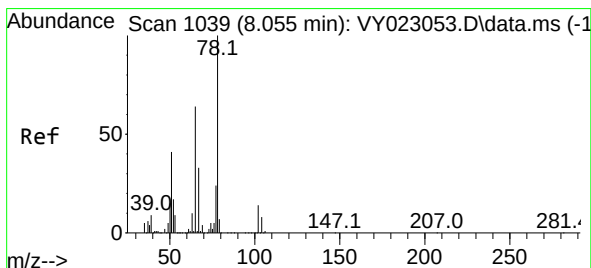
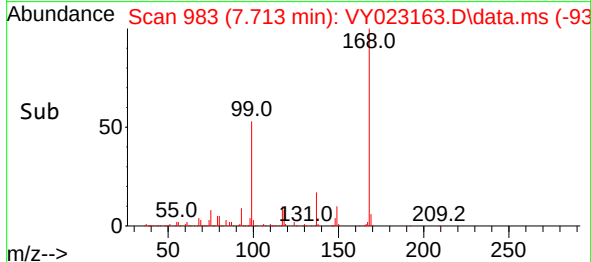
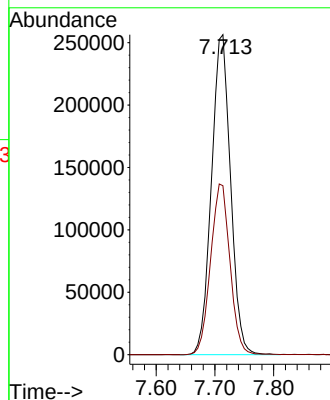
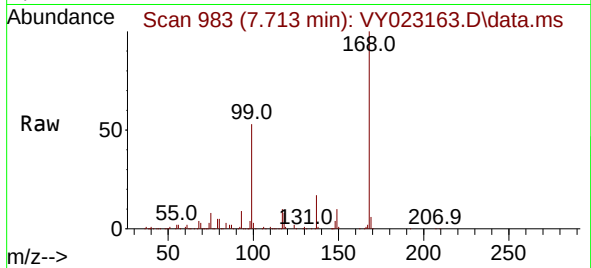




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

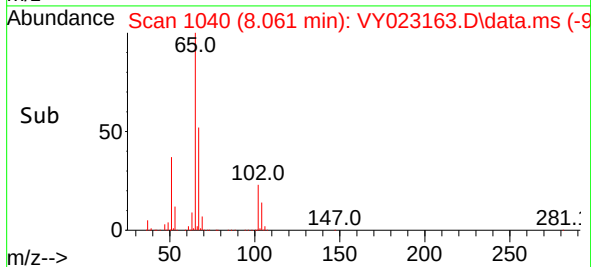
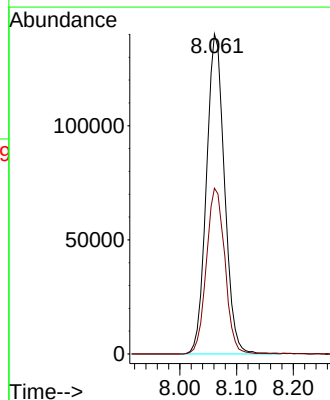
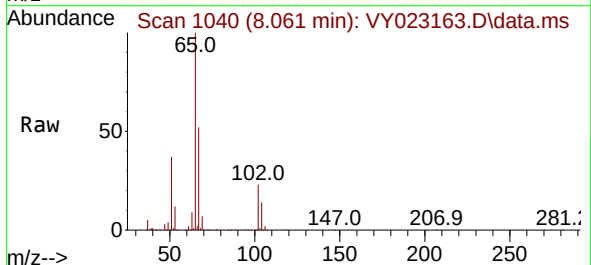
Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

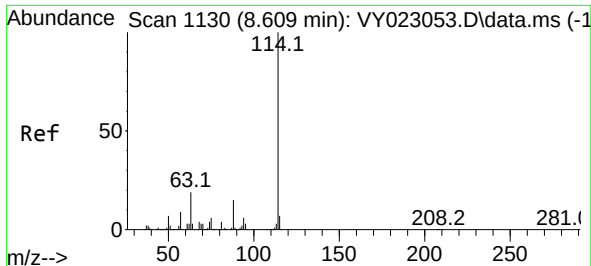
Tgt Ion:168 Resp: 578816
Ion Ratio Lower Upper
168 100
99 52.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 56.248 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion: 65 Resp: 310295
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8

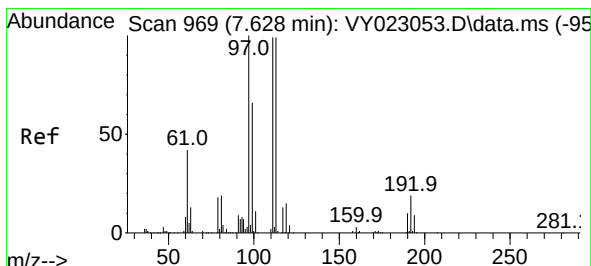
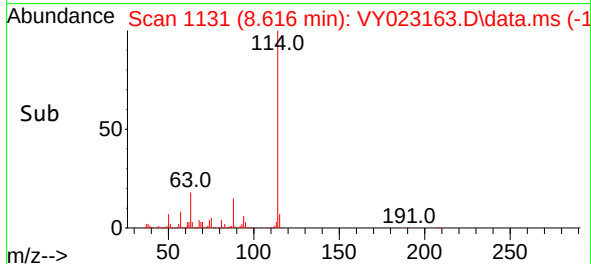
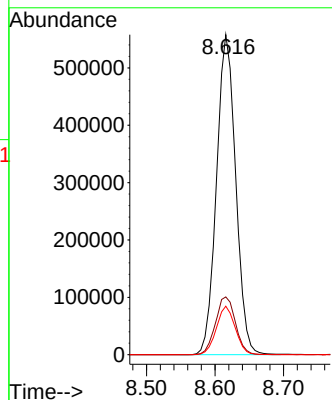
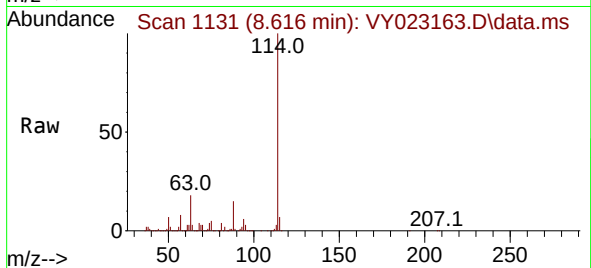




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

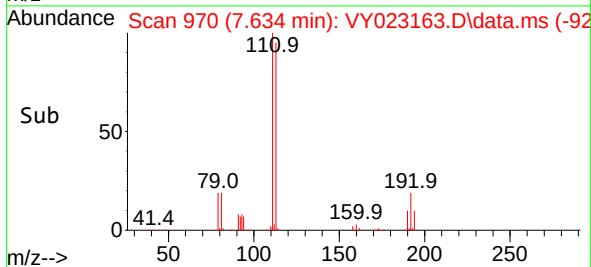
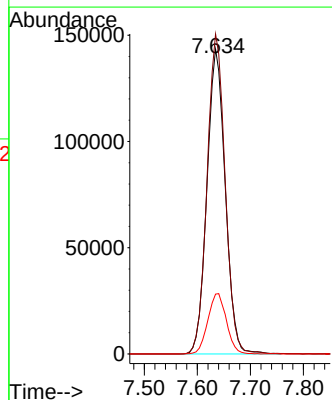
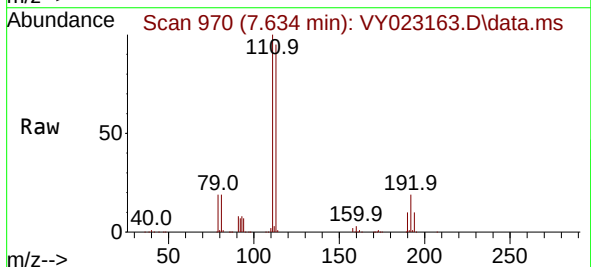
Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

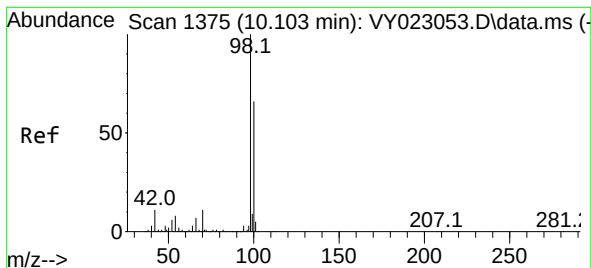
Tgt Ion:114 Resp: 1083634
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.097 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion:113 Resp: 344289
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 20.1 16.2 24.4

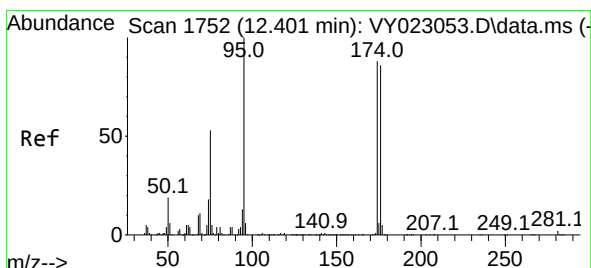
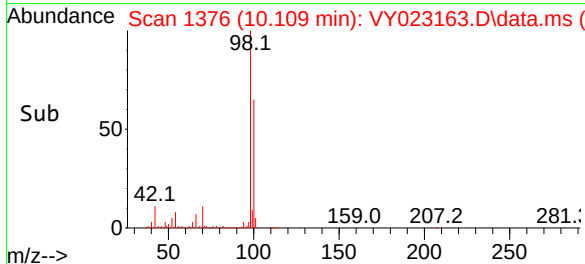
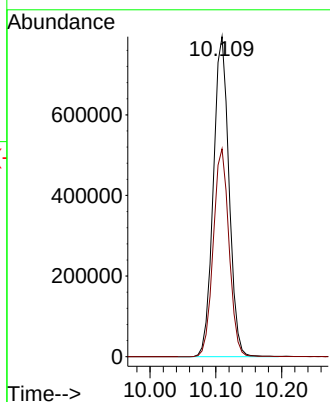
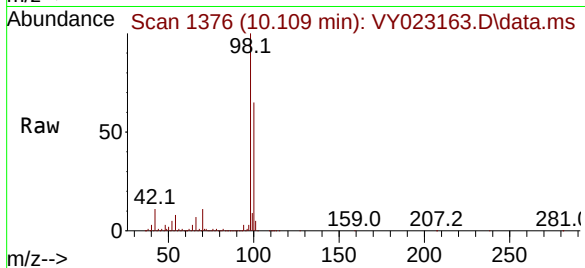




#50
Toluene-d8
Concen: 51.914 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

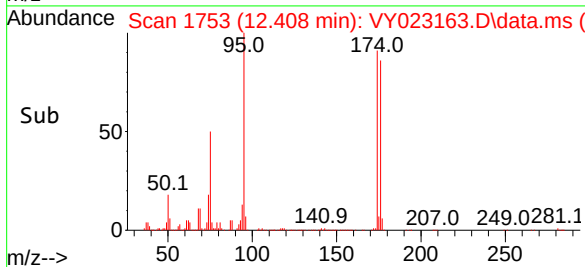
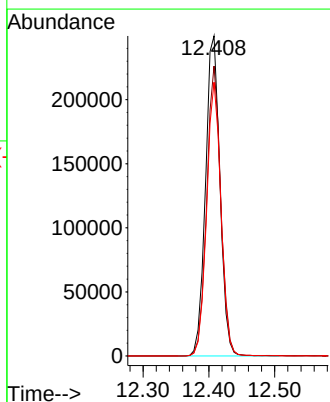
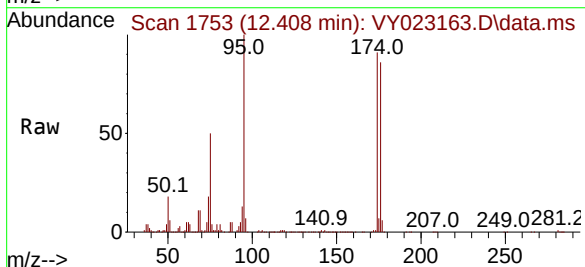
Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

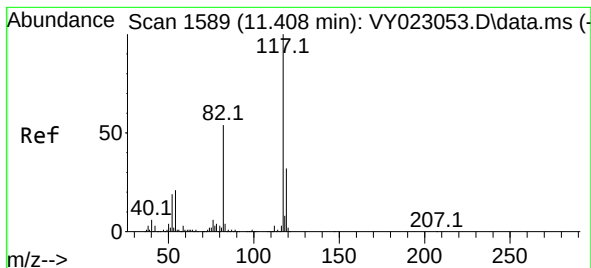
Tgt Ion: 98 Resp: 1315018
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.760 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion: 95 Resp: 380924
Ion Ratio Lower Upper
95 100
174 88.9 0.0 171.6
176 84.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023163.D

Acq: 20 Aug 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0820SBL01

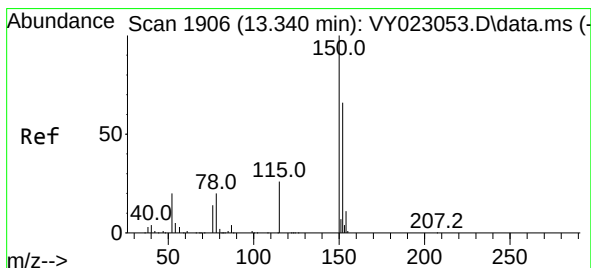
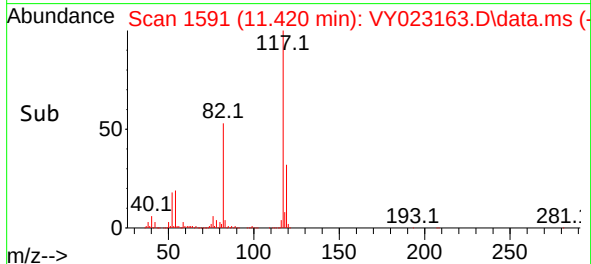
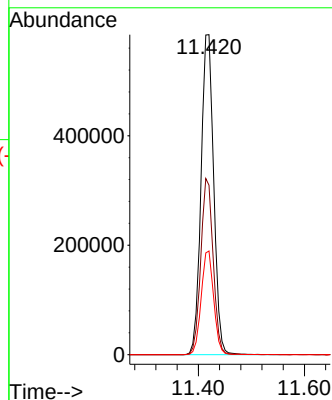
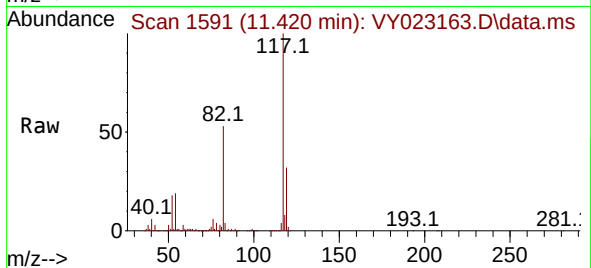
Tgt Ion:117 Resp: 970907

Ion Ratio Lower Upper

117 100

82 52.9 43.4 65.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023163.D

Acq: 20 Aug 2025 09:55

Tgt Ion:152 Resp: 382880

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.6

150 156.7 0.0 348.0

