

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
 Data File : VY023454.D
 Acq On : 13 Oct 2025 15:52
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 14 04:18:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	576560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1117627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1140237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	512322	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	275791	57.203	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.400%
35) Dibromofluoromethane	7.640	113	364504	53.078	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.160%
50) Toluene-d8	10.109	98	1353564	52.926	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.860%
62) 4-Bromofluorobenzene	12.408	95	460783	54.573	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.140%

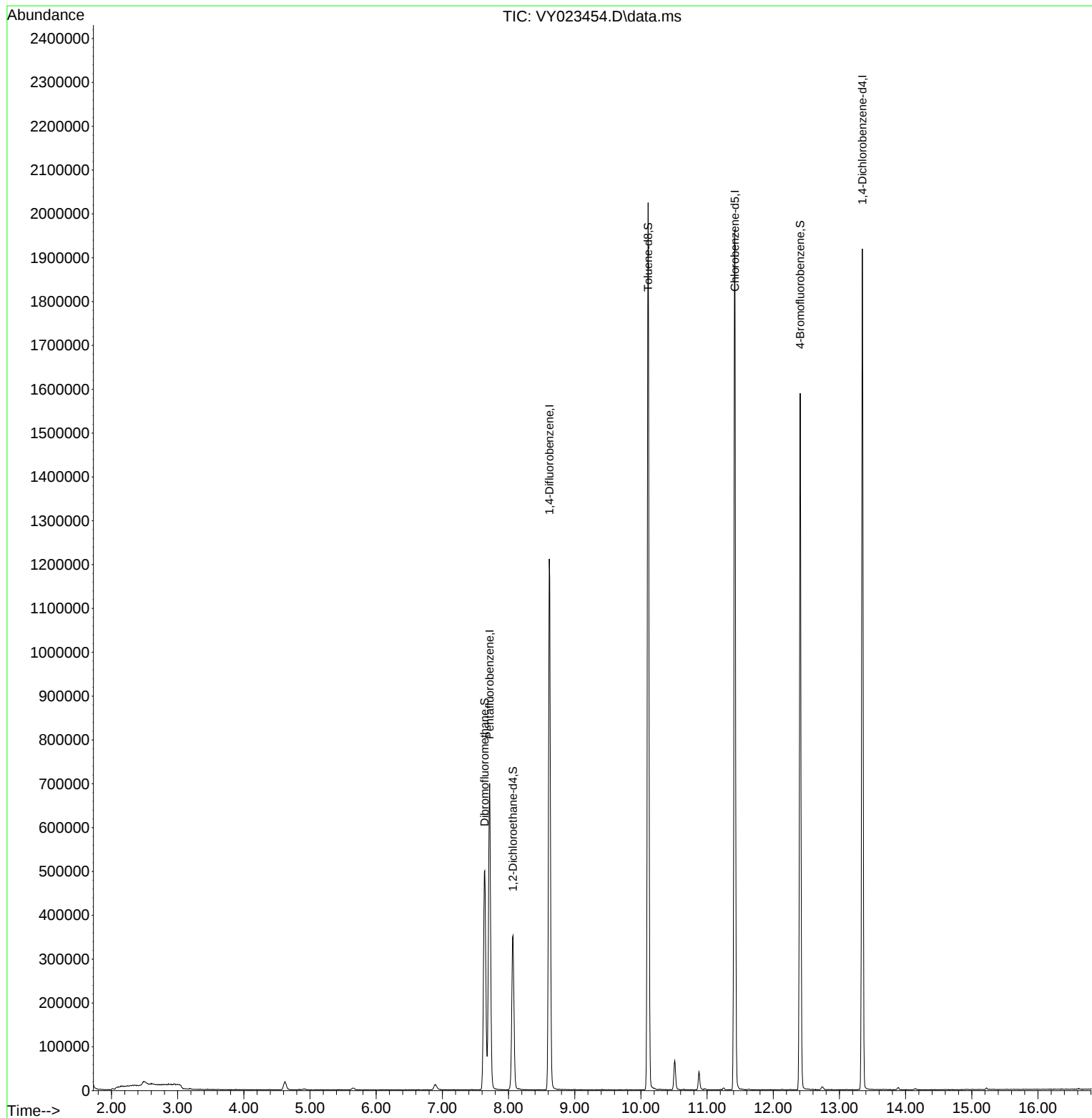
Target Compounds	Qvalue

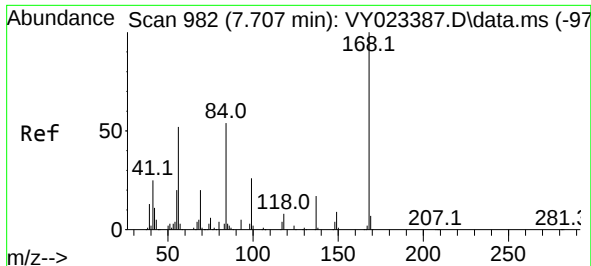
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
Data File : VY023454.D
Acq On : 13 Oct 2025 15:52
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Oct 14 04:18:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

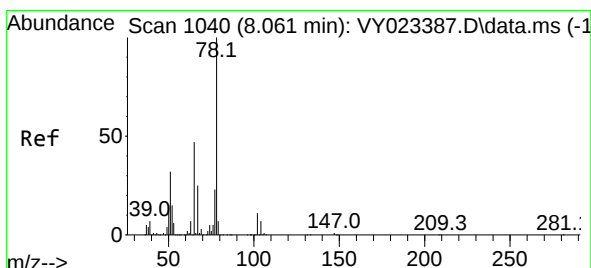
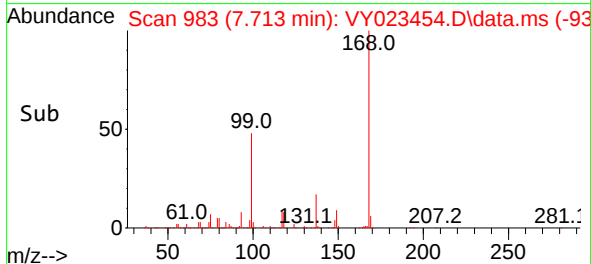
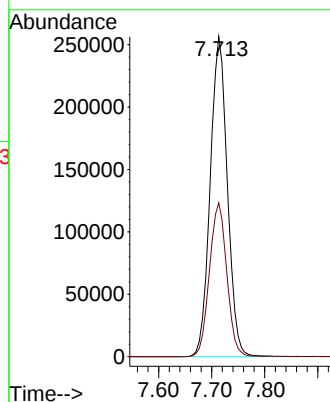
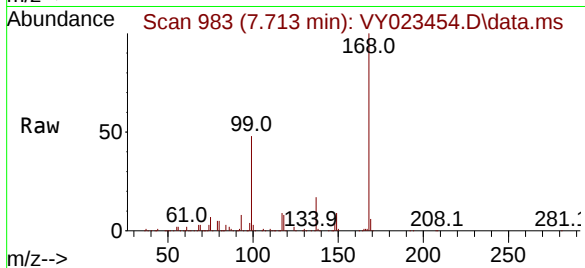




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023454.D
Acq: 13 Oct 2025 15:52

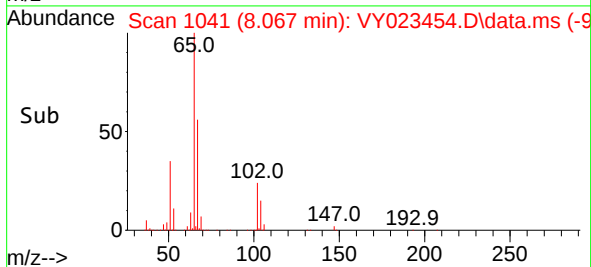
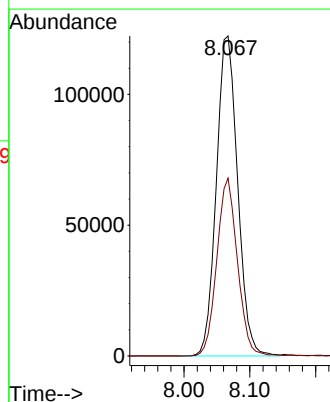
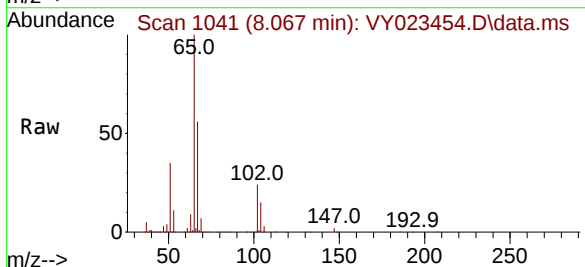
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

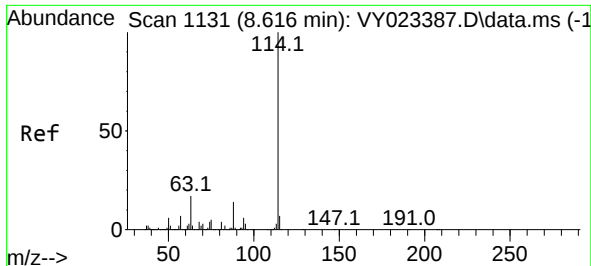
Tgt Ion:168 Resp: 576560
Ion Ratio Lower Upper
168 100
99 48.1 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 57.203 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023454.D
Acq: 13 Oct 2025 15:52

Tgt Ion: 65 Resp: 275791
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023454.D

Acq: 13 Oct 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

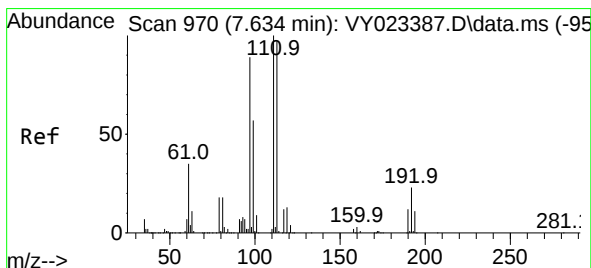
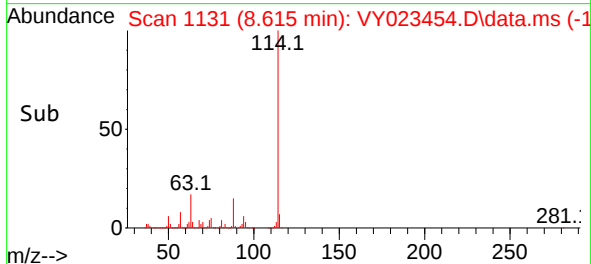
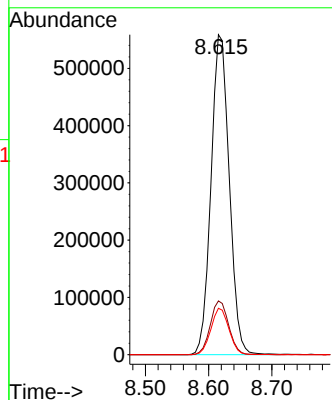
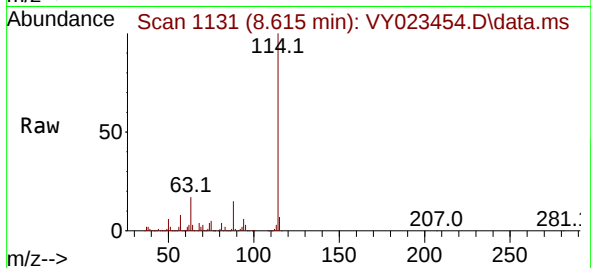
Tgt Ion:114 Resp: 1117627

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 14.5 0.0 28.4



#35

Dibromofluoromethane

Concen: 53.078 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023454.D

Acq: 13 Oct 2025 15:52

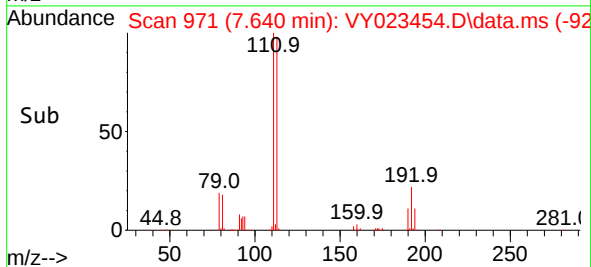
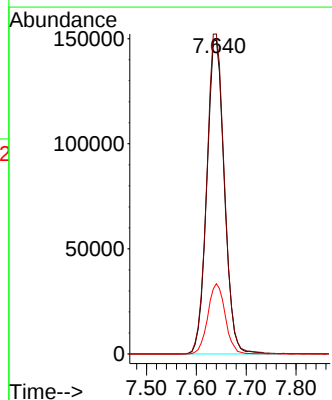
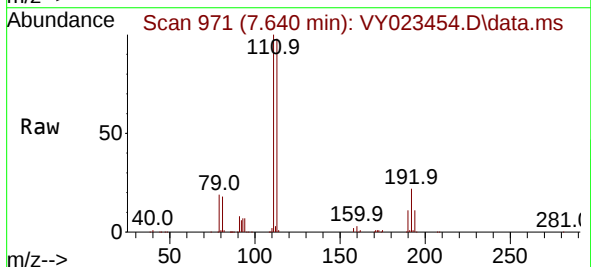
Tgt Ion:113 Resp: 364504

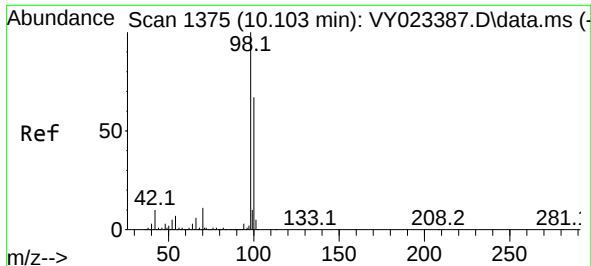
Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

192 22.2 18.0 27.0

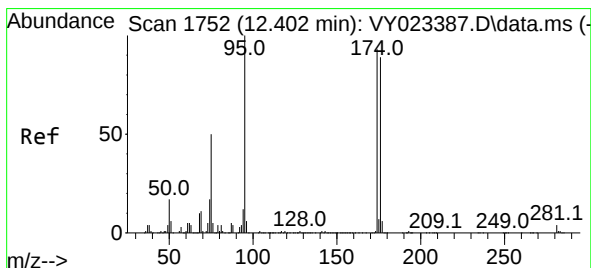
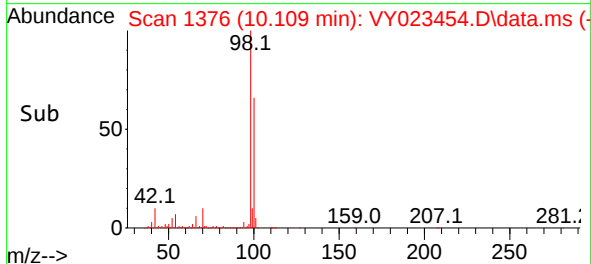
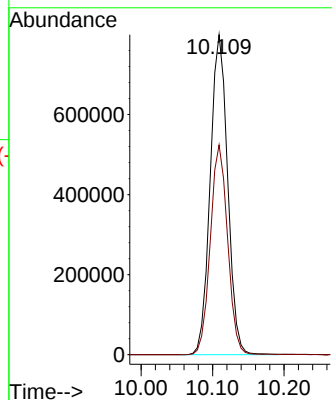
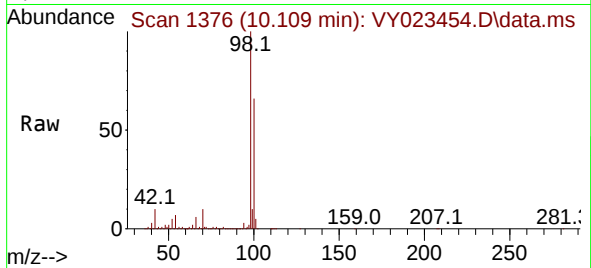




#50
Toluene-d8
Concen: 52.926 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023454.D
Acq: 13 Oct 2025 15:52

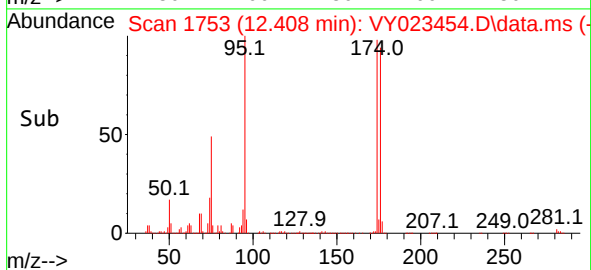
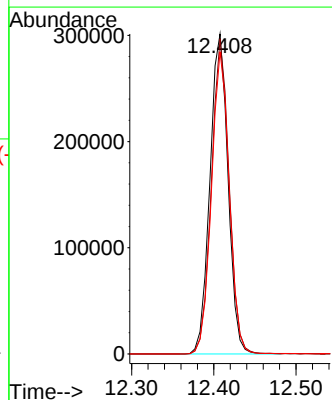
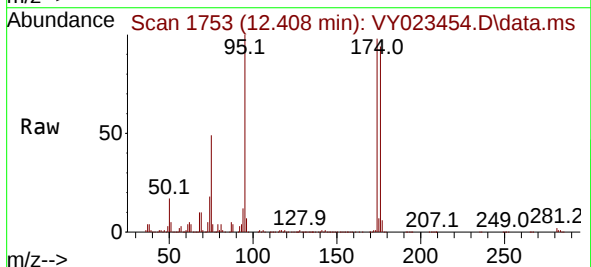
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

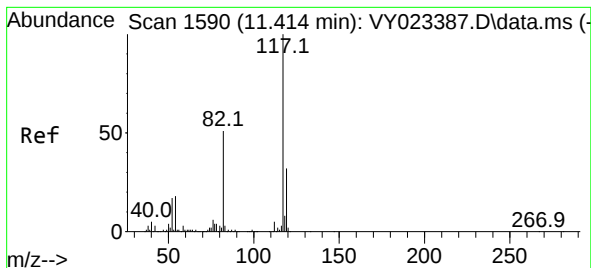
Tgt Ion: 98 Resp: 1353564
Ion Ratio Lower Upper
98 100
100 65.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 54.573 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023454.D
Acq: 13 Oct 2025 15:52

Tgt Ion: 95 Resp: 460783
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 92.9 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023454.D

Acq: 13 Oct 2025 15:52

Instrument :

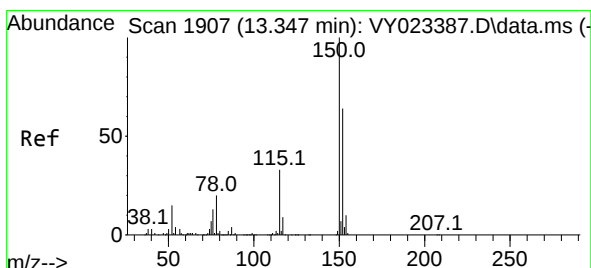
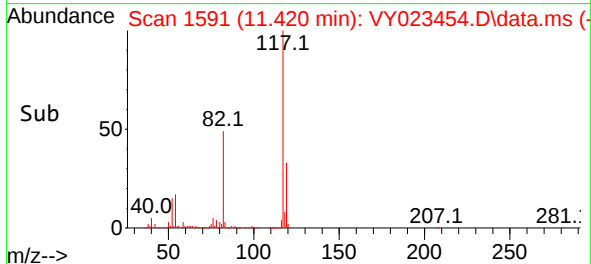
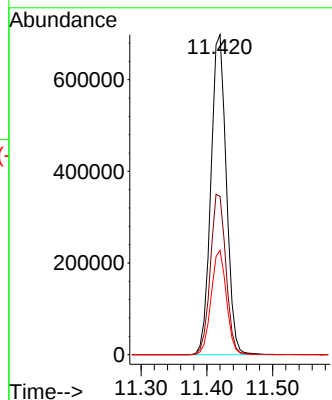
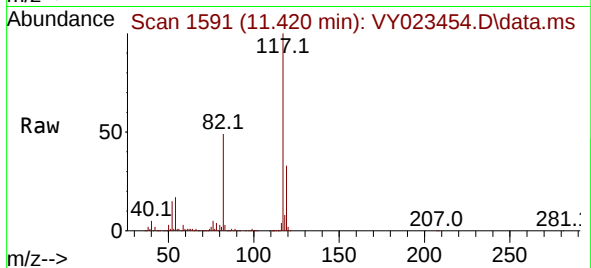
MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion:117 Resp: 1140237

Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.0	61.4
119	32.6	25.6	38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023454.D

Acq: 13 Oct 2025 15:52

Tgt Ion:152 Resp: 512322

Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.1	81.2
150	157.1	0.0	347.4

