

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023544.D
 Acq On : 22 Oct 2025 10:00
 Operator : SY/MD
 Sample : VY1022SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1022SBL01

Quant Time: Oct 24 02:26:09 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	890059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1434768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1180185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	484557	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	359226	48.265	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.520%
35) Dibromofluoromethane	7.640	113	439107	49.808	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.620%
50) Toluene-d8	10.109	98	1595601	48.600	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.200%
62) 4-Bromofluorobenzene	12.408	95	445110	41.064	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.120%

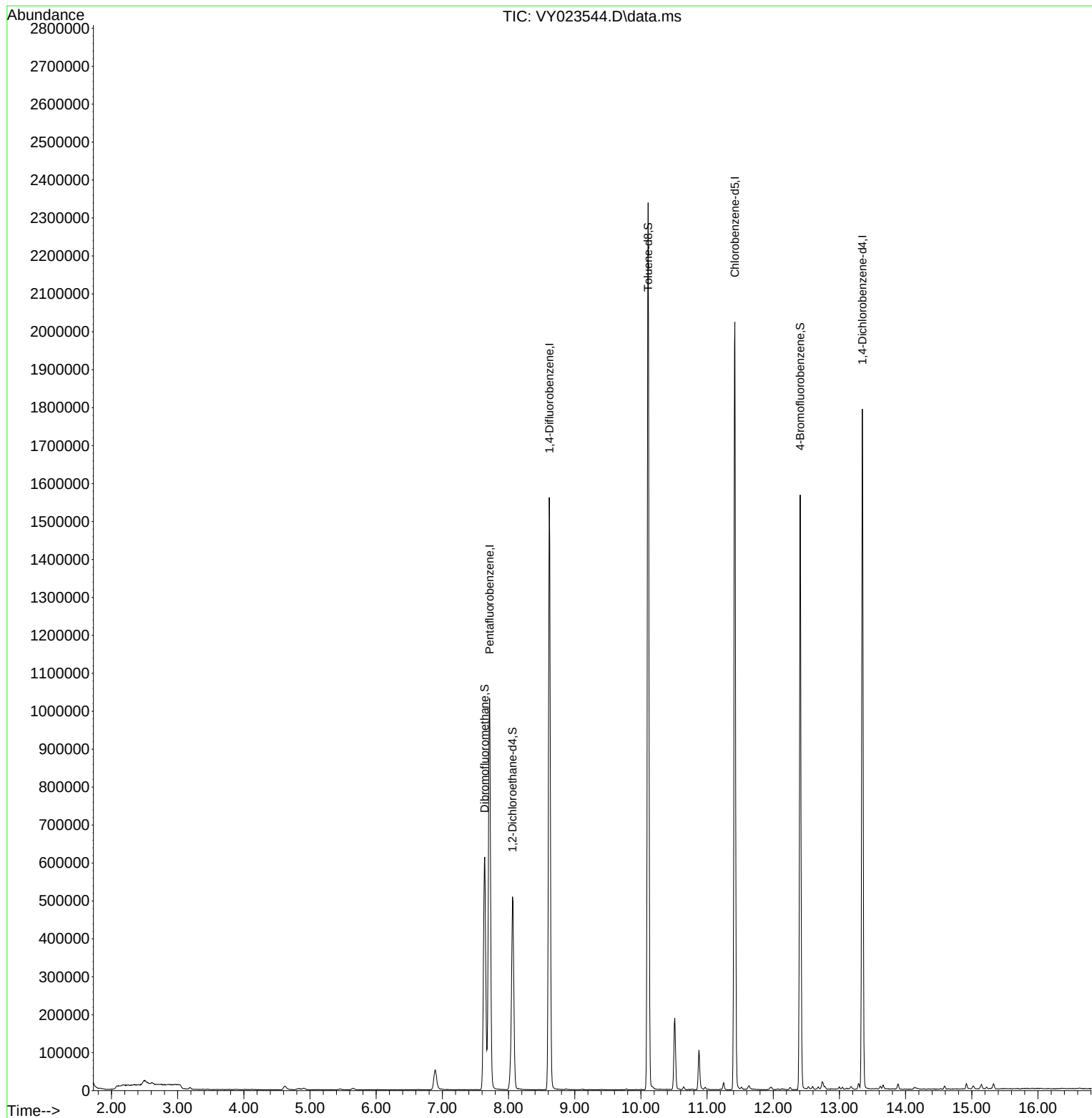
Target Compounds	Qvalue

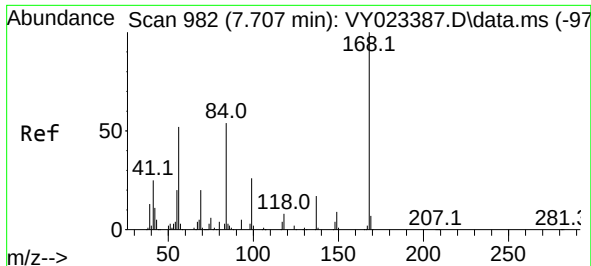
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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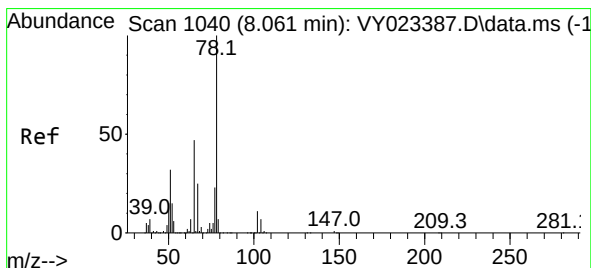
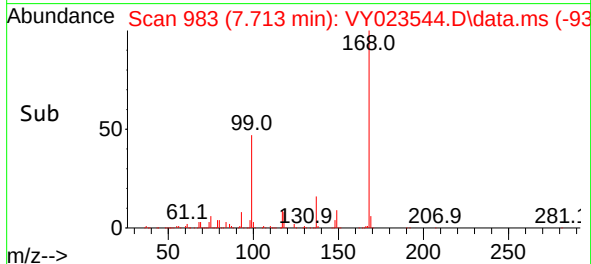
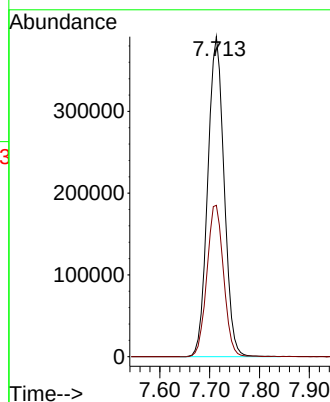
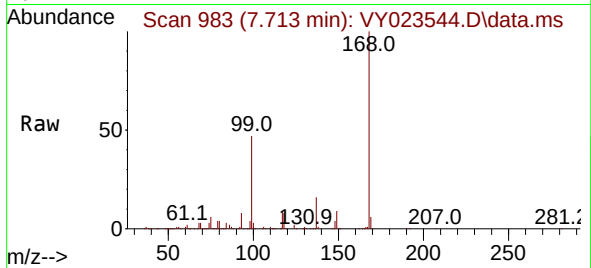




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

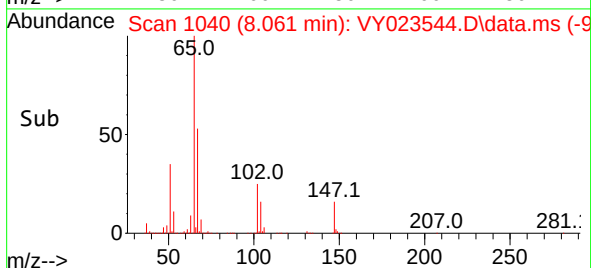
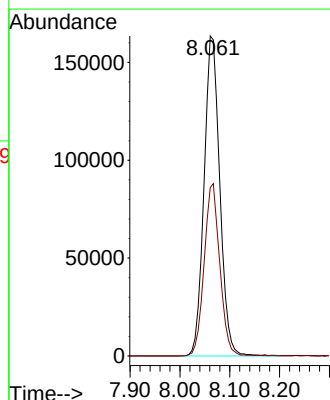
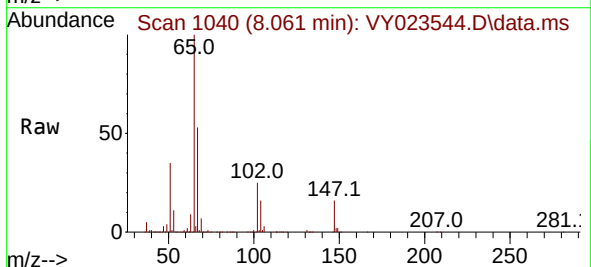
Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

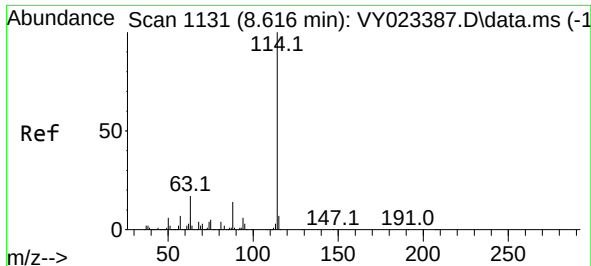
Tgt Ion:168 Resp: 890059
Ion Ratio Lower Upper
168 100
99 47.3 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 48.265 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Tgt Ion: 65 Resp: 359226
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

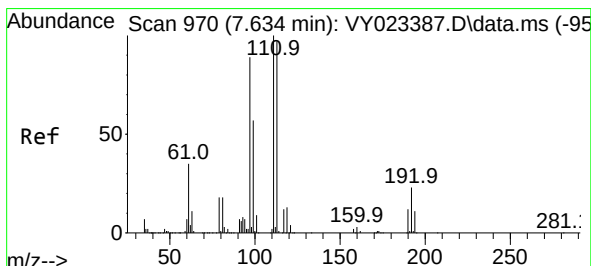
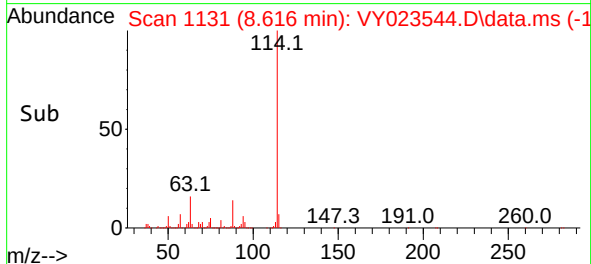
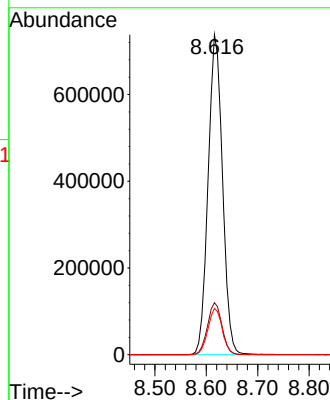
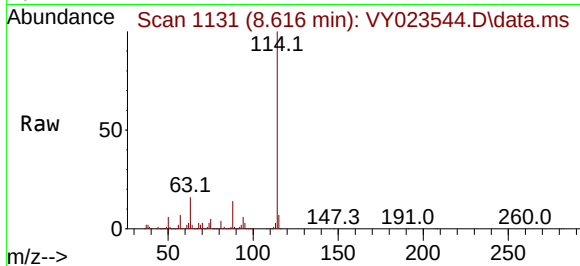




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

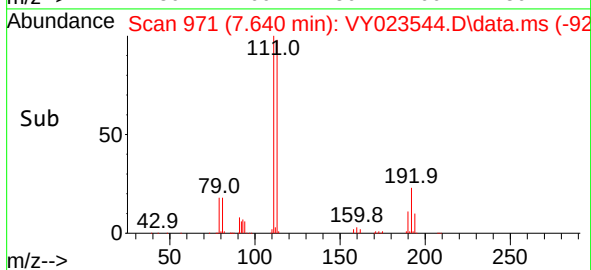
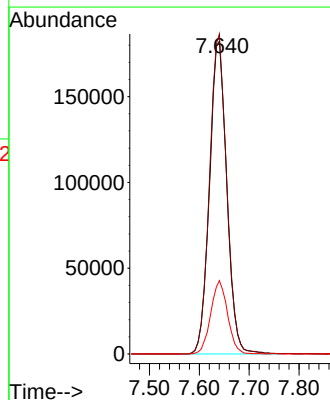
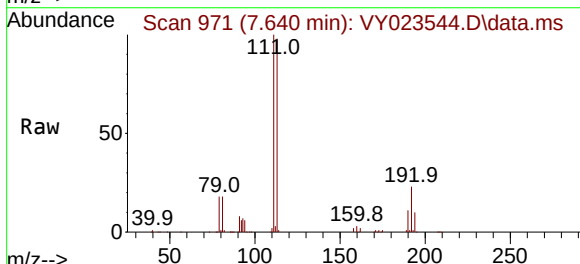
Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

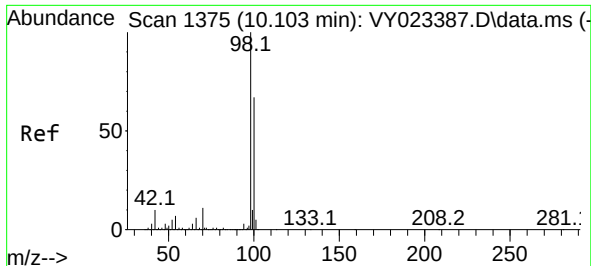
Tgt Ion:114 Resp: 1434768
Ion Ratio Lower Upper
114 100
63 16.2 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.808 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Tgt Ion:113 Resp: 439107
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 22.9 18.0 27.0

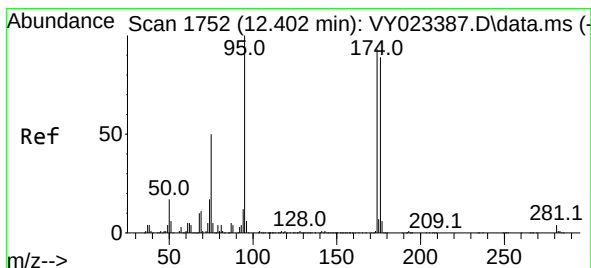
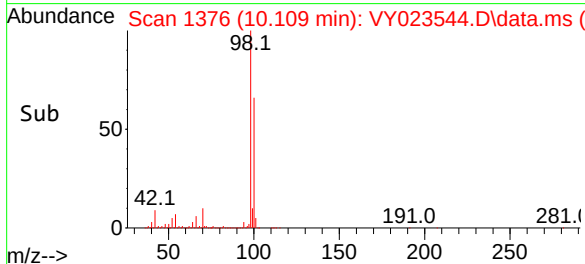
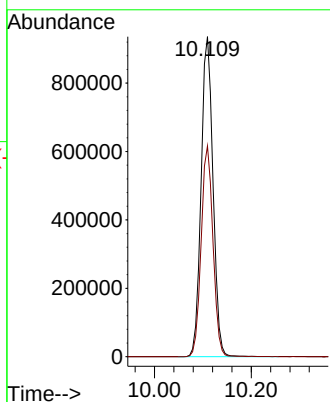
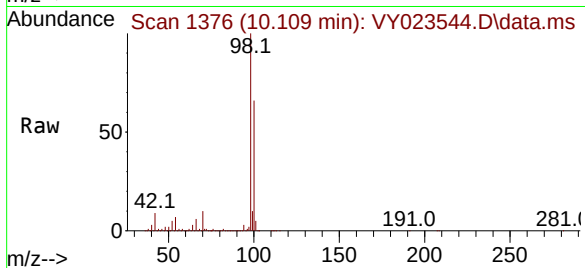




#50
Toluene-d8
Concen: 48.600 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

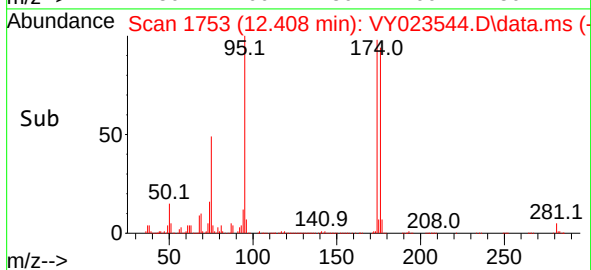
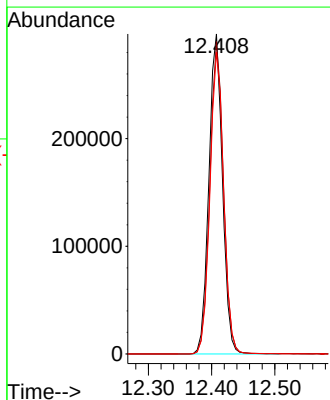
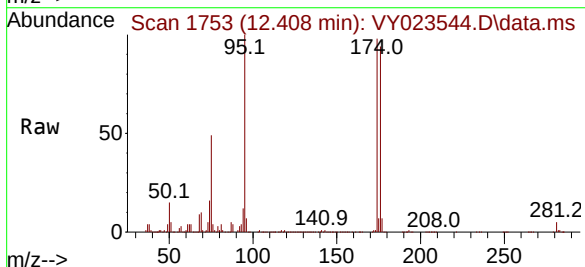
Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

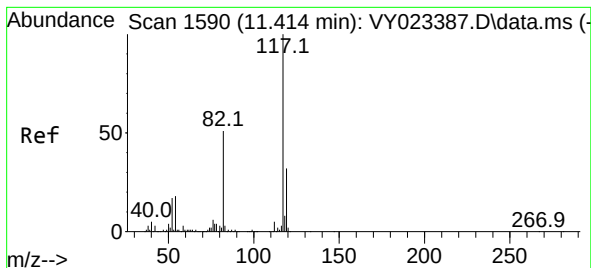
Tgt Ion: 98 Resp: 1595601
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.064 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023544.D
Acq: 22 Oct 2025 10:00

Tgt Ion: 95 Resp: 445110
Ion Ratio Lower Upper
95 100
174 97.9 0.0 192.8
176 94.7 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: VY023544.D

Acq: 22 Oct 2025 10:00

Instrument :

MSVOA_Y

ClientSampleId :

VY1022SBL01

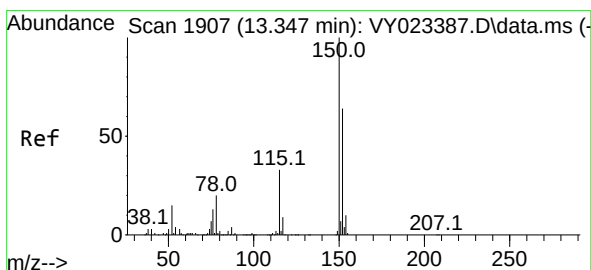
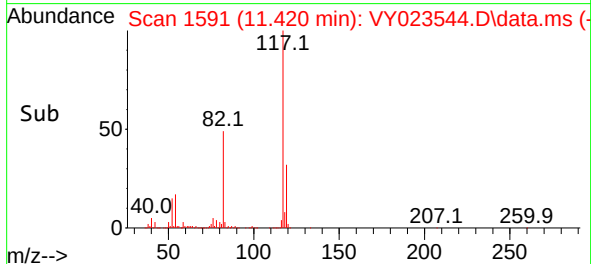
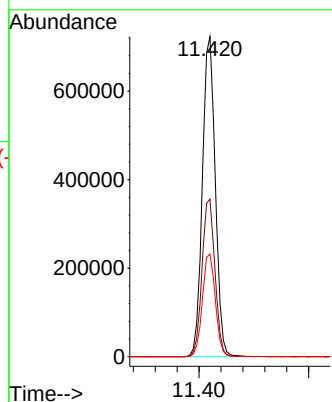
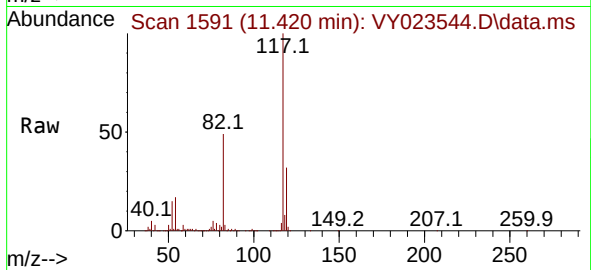
Tgt Ion:117 Resp: 1180185

Ion Ratio Lower Upper

117 100

82 49.3 41.0 61.4

119 32.0 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: VY023544.D

Acq: 22 Oct 2025 10:00

Tgt Ion:152 Resp: 484557

Ion Ratio Lower Upper

152 100

115 53.2 27.1 81.2

150 154.9 0.0 347.4

