

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023822.D
 Acq On : 26 Nov 2025 13:21
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 27 01:20:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	708530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1330152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1161142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	487406	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	415887	60.274	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.540%
35) Dibromofluoromethane	7.634	113	418730	53.140	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.280%
50) Toluene-d8	10.109	98	1574944	50.321	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.640%
62) 4-Bromofluorobenzene	12.408	95	476383	46.259	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.520%

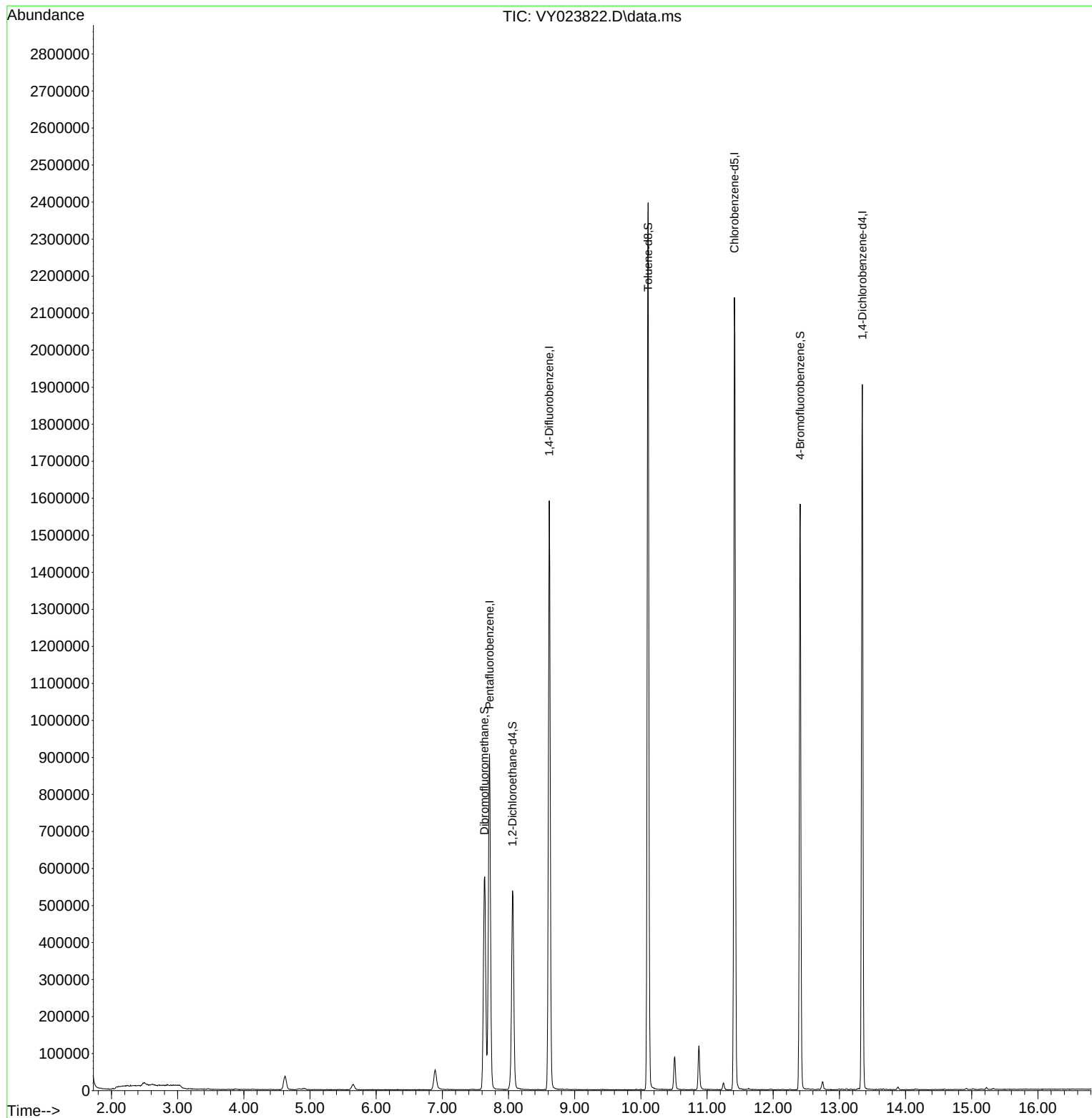
Target Compounds	Qvalue

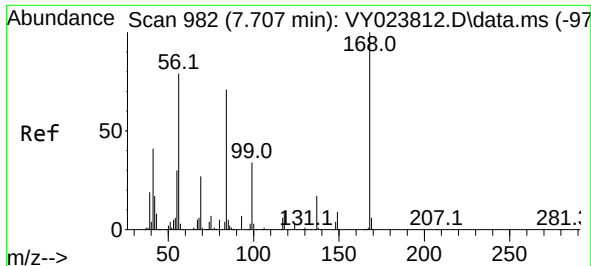
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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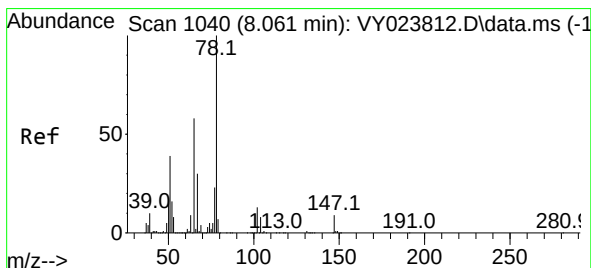
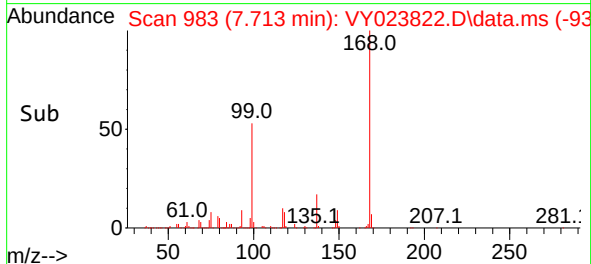
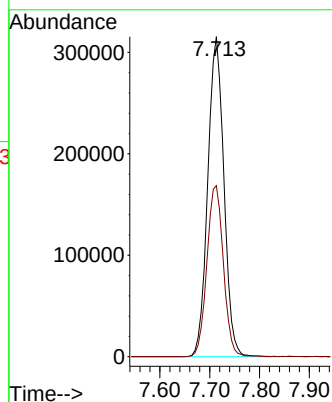
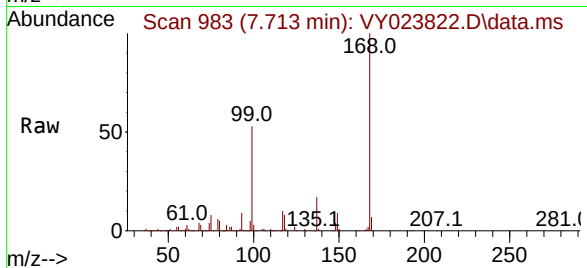




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023822.D
Acq: 26 Nov 2025 13:21

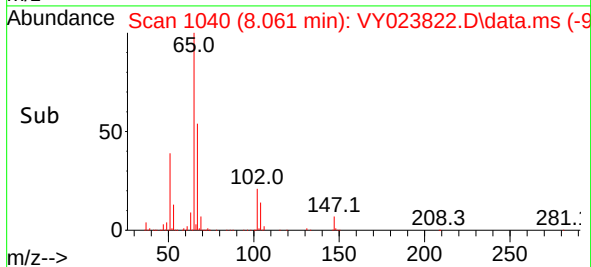
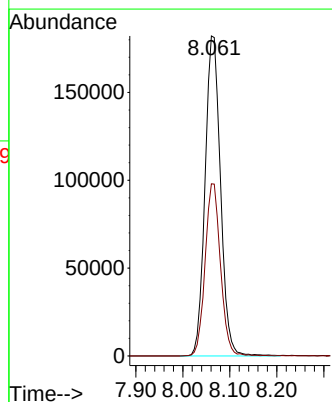
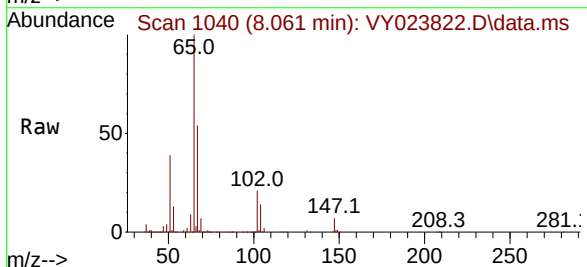
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

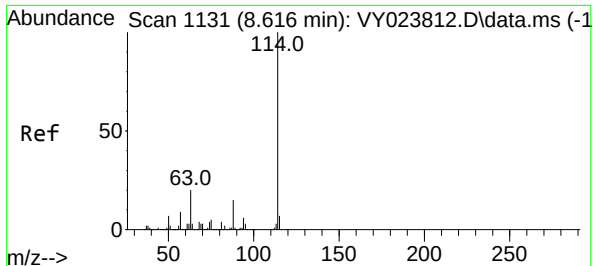
Tgt Ion:168 Resp: 708530
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 60.274 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023822.D
Acq: 26 Nov 2025 13:21

Tgt Ion: 65 Resp: 415887
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023822.D

Acq: 26 Nov 2025 13:21

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

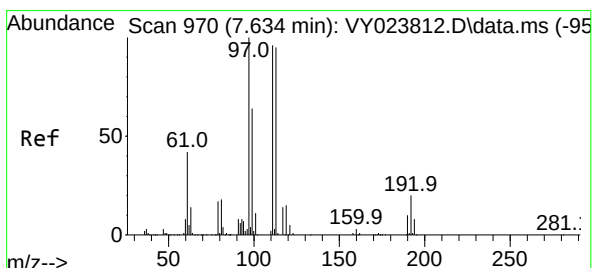
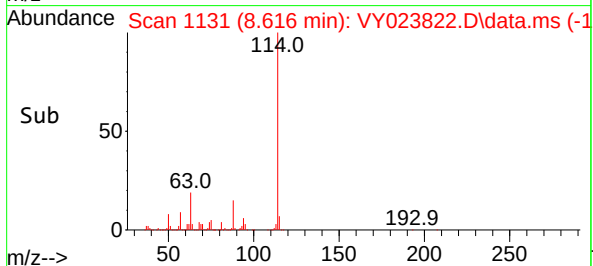
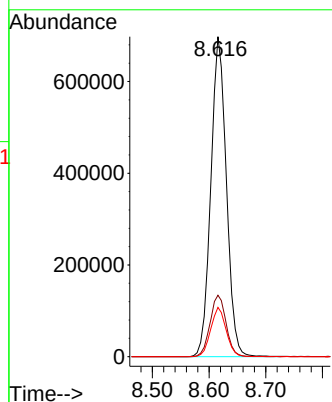
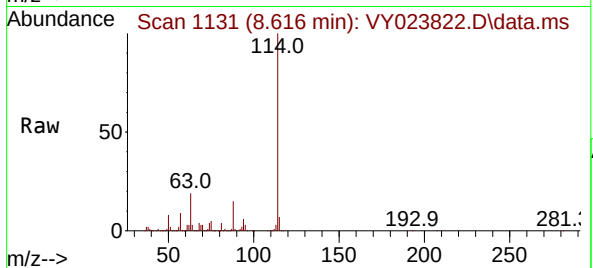
Tgt Ion:114 Resp: 1330152

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

88 15.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 53.140 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023822.D

Acq: 26 Nov 2025 13:21

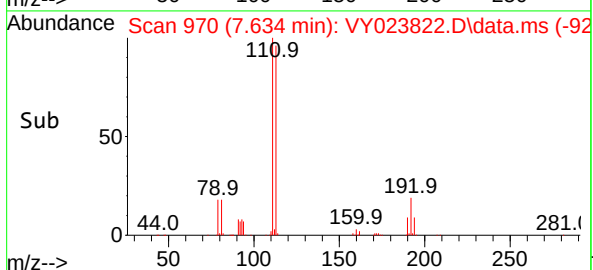
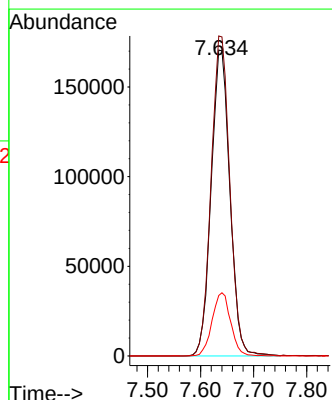
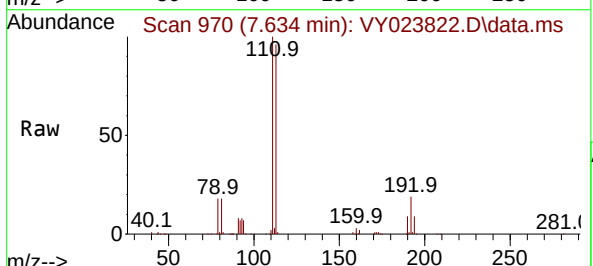
Tgt Ion:113 Resp: 418730

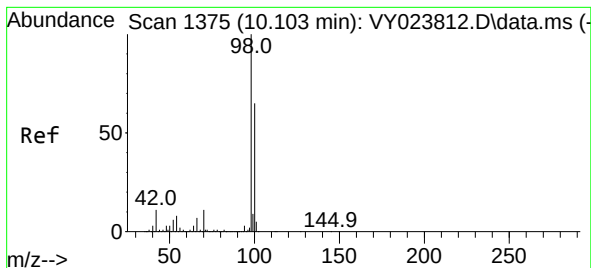
Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.0

192 20.5 15.8 23.8





#50

Toluene-d8

Concen: 50.321 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY023822.D

Acq: 26 Nov 2025 13:21

Instrument :

MSVOA_Y

ClientSampleId :

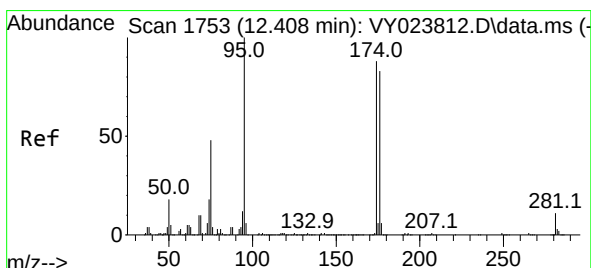
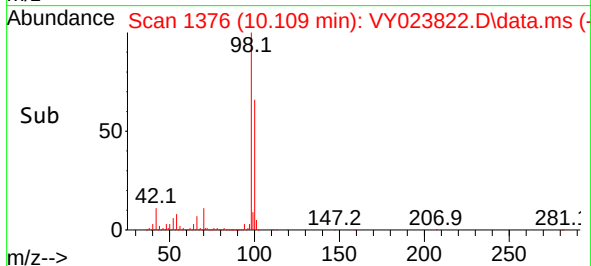
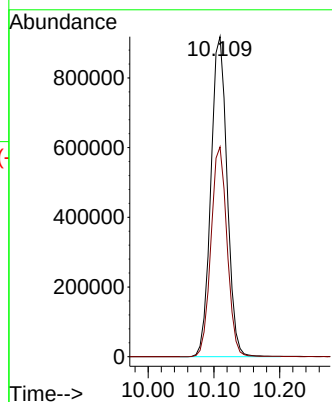
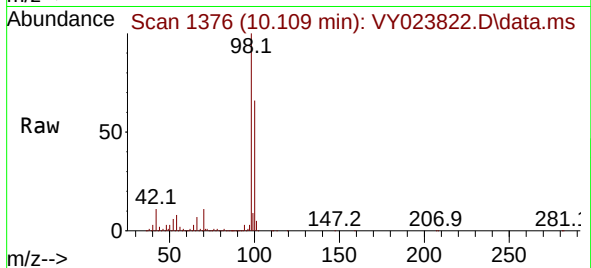
VIBLK

Tgt Ion: 98 Resp: 1574944

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 46.259 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY023822.D

Acq: 26 Nov 2025 13:21

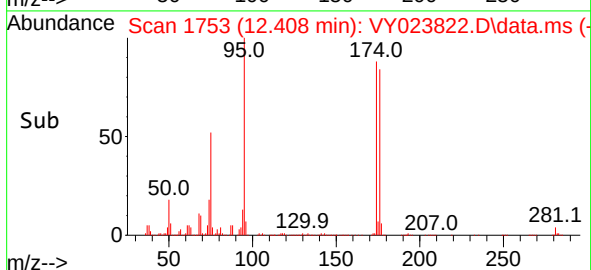
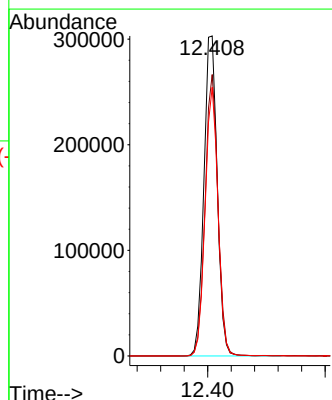
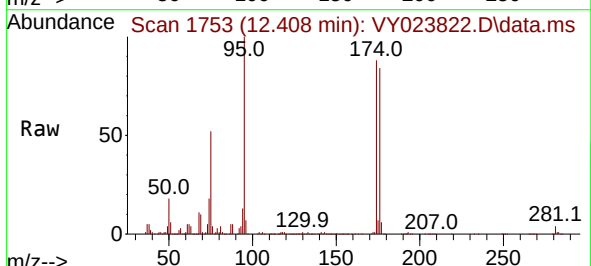
Tgt Ion: 95 Resp: 476383

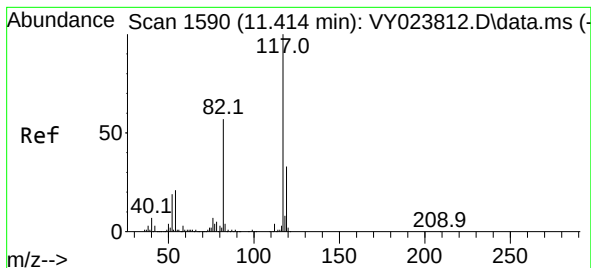
Ion Ratio Lower Upper

95 100

174 85.1 0.0 168.6

176 81.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023822.D

Acq: 26 Nov 2025 13:21

Instrument :

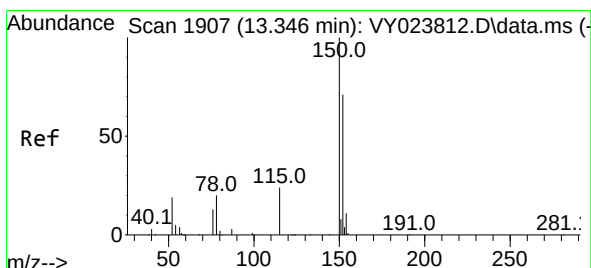
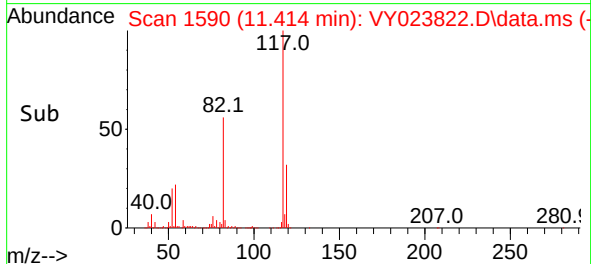
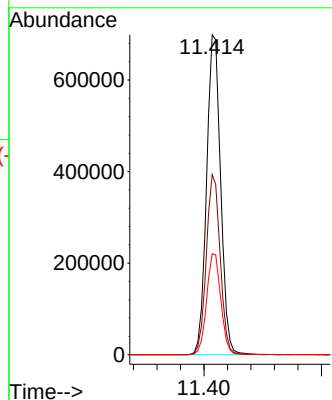
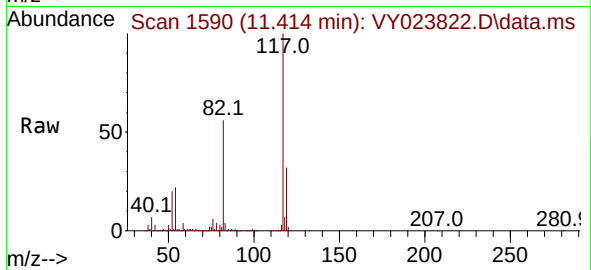
MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion:117 Resp: 1161142

Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.0
119	31.6	26.0	39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023822.D

Acq: 26 Nov 2025 13:21

Tgt Ion:152 Resp: 487406

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.7	86.3
150	156.9	0.0	345.6

