

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023796.D
 Acq On : 24 Nov 2025 17:35
 Operator : SY/MD
 Sample : Q3709-01
 Misc : 6.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LI-1-112125

Quant Time: Nov 26 02:14:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	607526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1144325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	983481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	351645	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	341289	65.857	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.720%
35) Dibromofluoromethane	7.634	113	372021	52.022	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.040%
50) Toluene-d8	10.109	98	1349240	50.649	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.300%
62) 4-Bromofluorobenzene	12.407	95	364610	42.324	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.640%

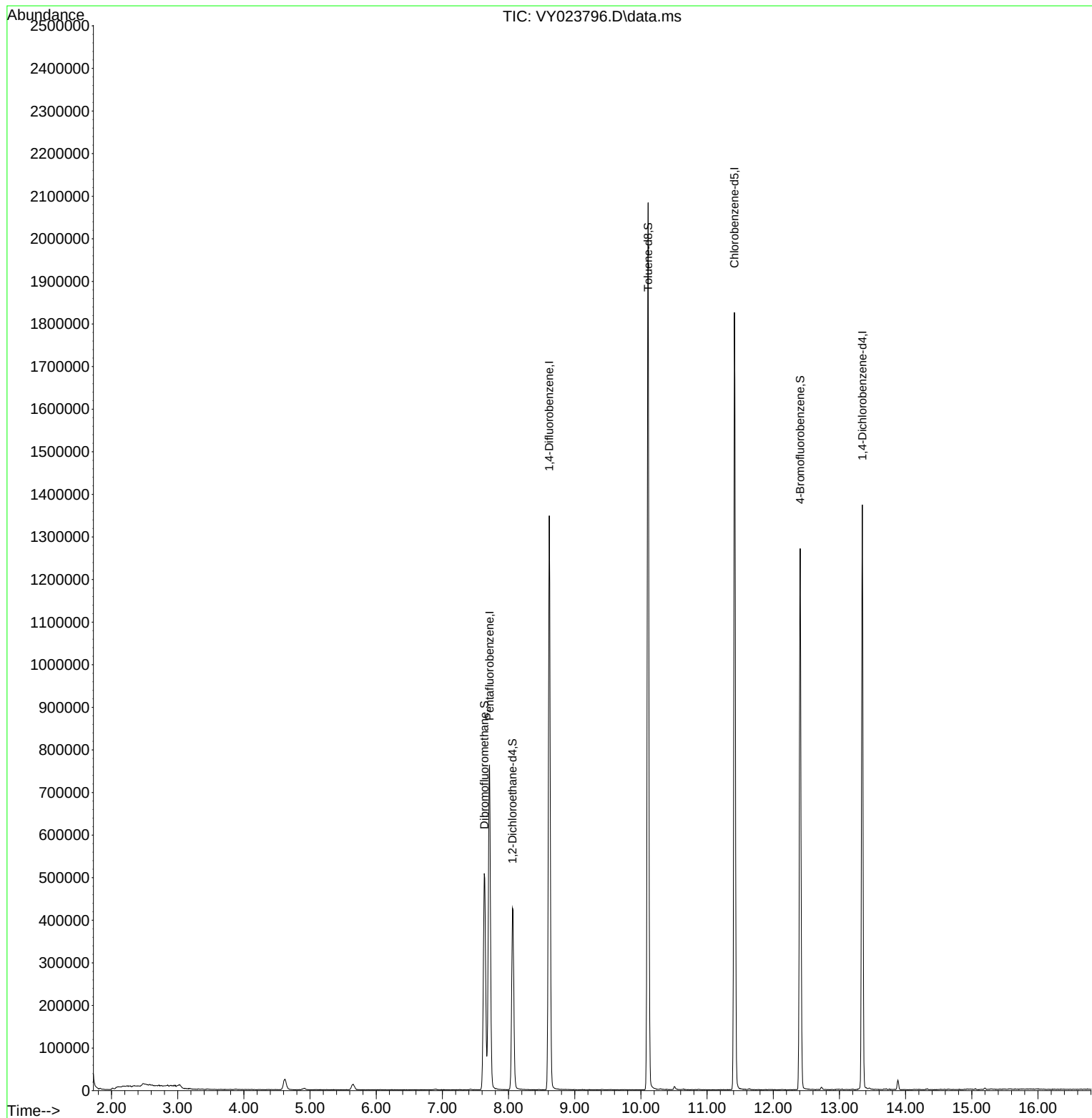
Target Compounds	Qvalue

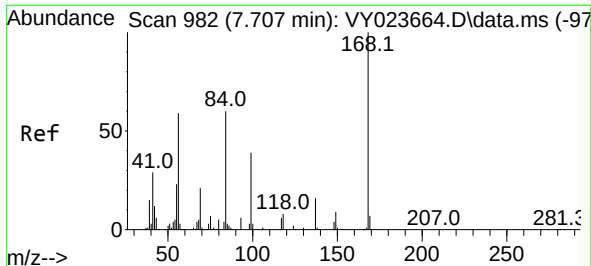
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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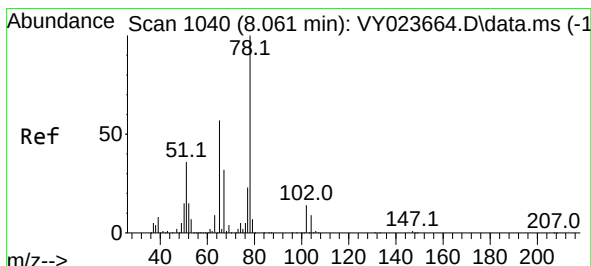
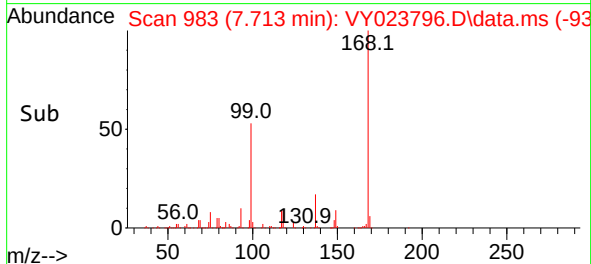
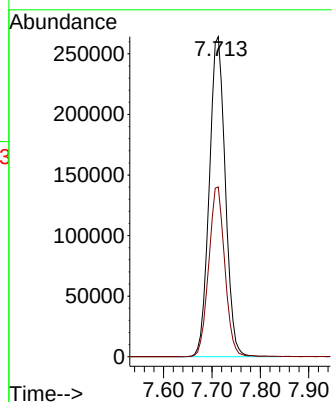
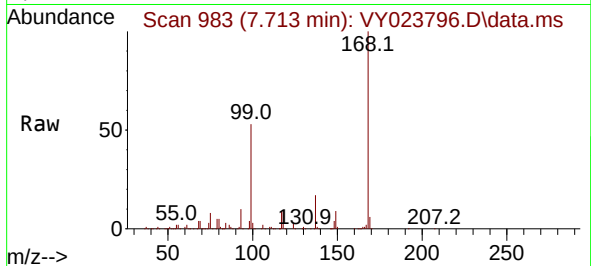




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023796.D
Acq: 24 Nov 2025 17:35

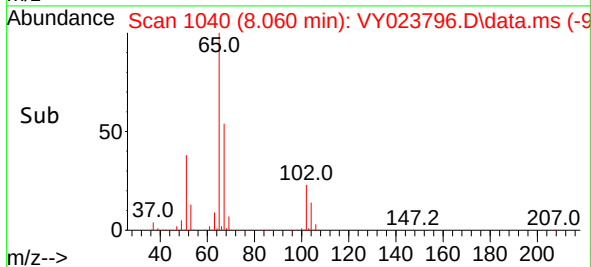
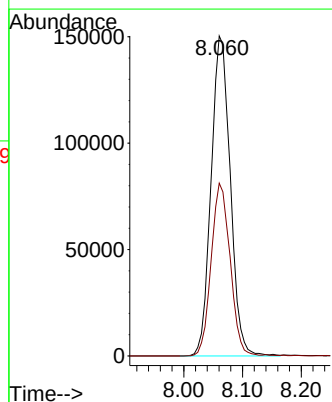
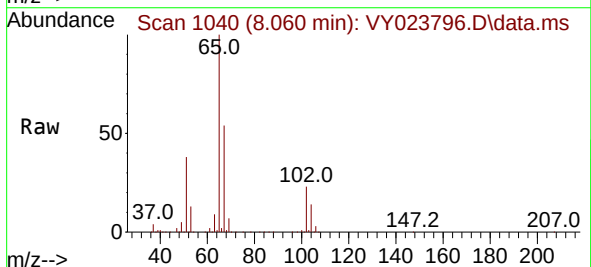
Instrument :
MSVOA_Y
ClientSampleId :
LI-1-112125

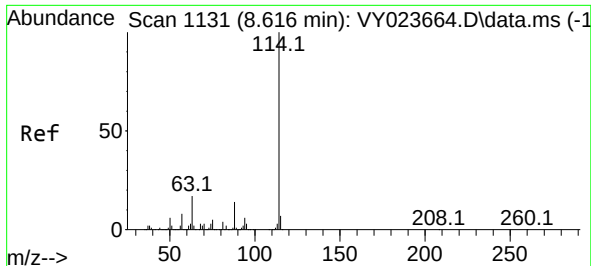
Tgt Ion:168 Resp: 607526
Ion Ratio Lower Upper
168 100
99 53.1 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 65.857 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023796.D
Acq: 24 Nov 2025 17:35

Tgt Ion: 65 Resp: 341289
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023796.D

Acq: 24 Nov 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

LI-1-112125

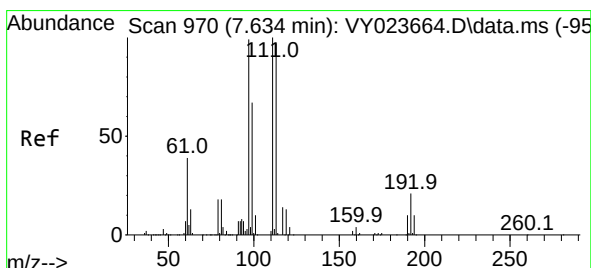
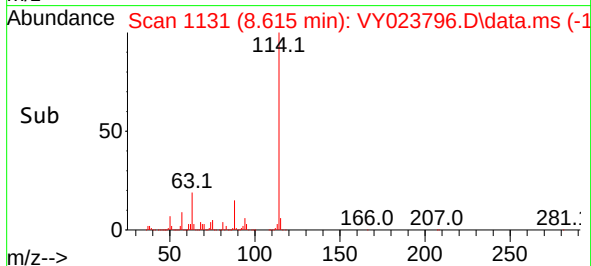
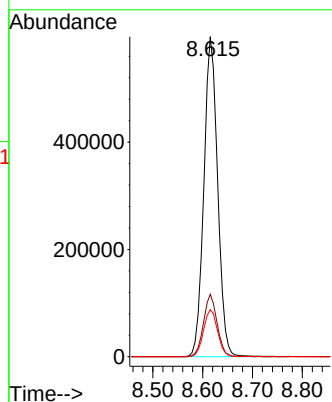
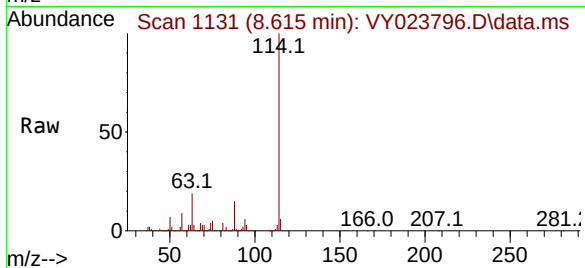
Tgt Ion:114 Resp: 1144325

Ion Ratio Lower Upper

114 100

63 19.5 0.0 33.8

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.022 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023796.D

Acq: 24 Nov 2025 17:35

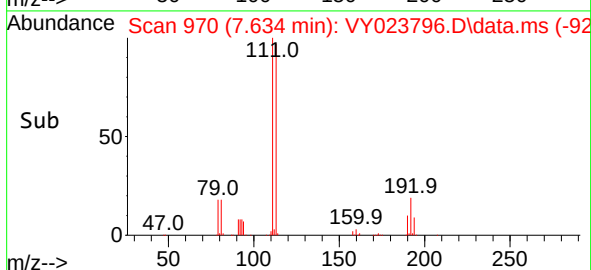
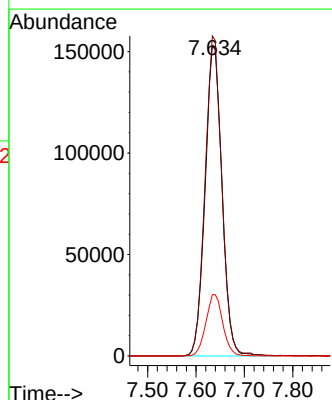
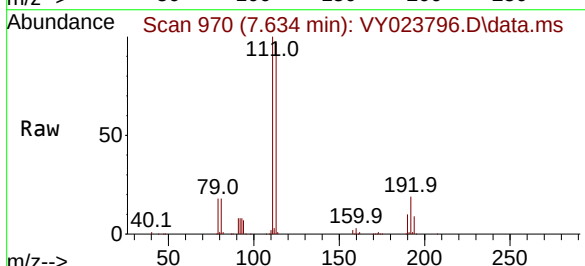
Tgt Ion:113 Resp: 372021

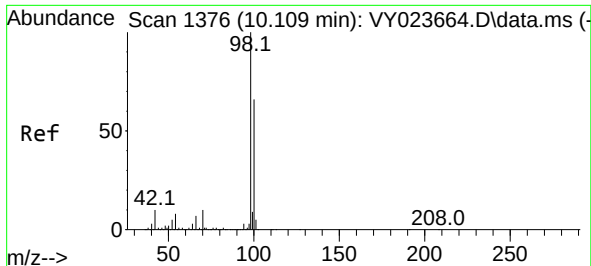
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 19.8 17.3 25.9

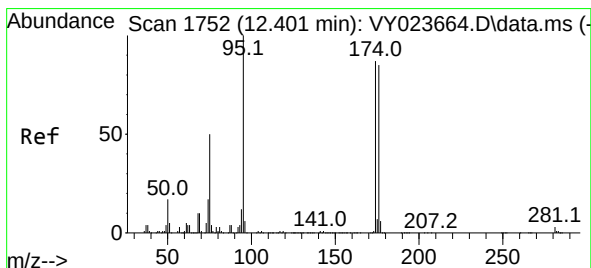
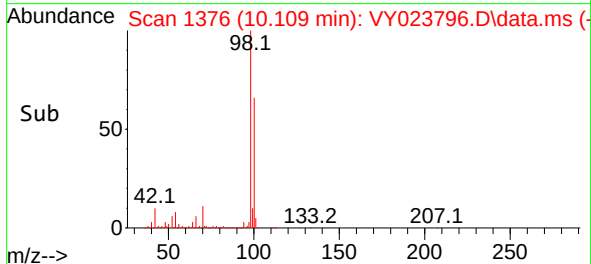
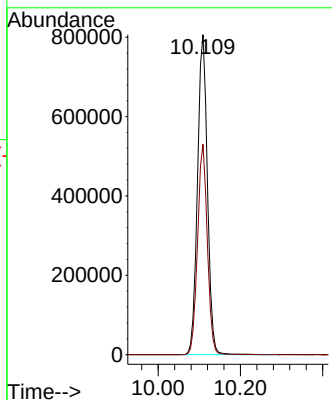
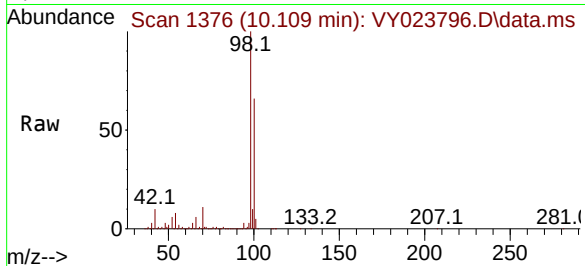




#50
Toluene-d8
Concen: 50.649 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023796.D
Acq: 24 Nov 2025 17:35

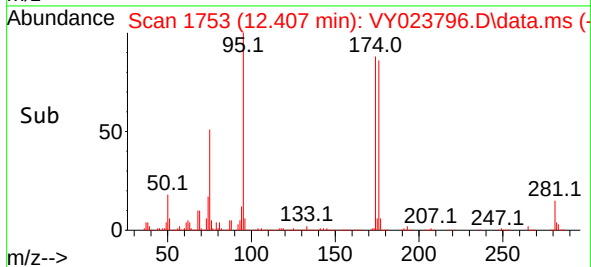
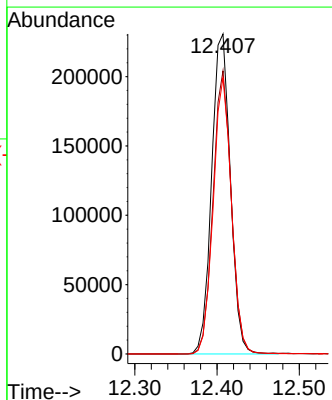
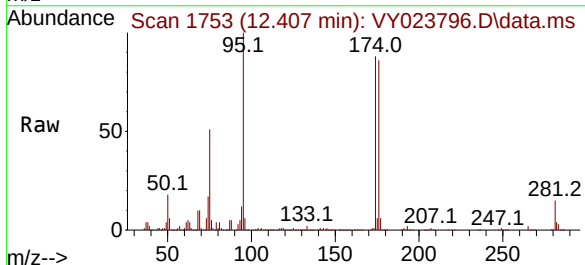
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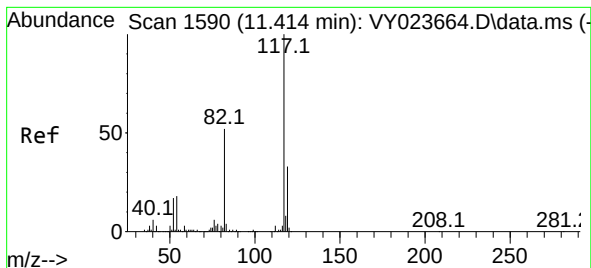
Tgt Ion: 98 Resp: 1349240
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.324 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023796.D
Acq: 24 Nov 2025 17:35

Tgt Ion: 95 Resp: 364610
Ion Ratio Lower Upper
95 100
174 86.2 0.0 184.8
176 84.1 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023796.D

Acq: 24 Nov 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

LI-1-112125

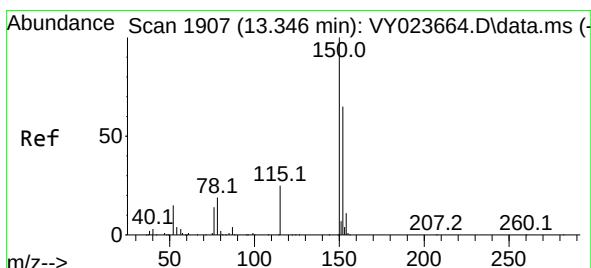
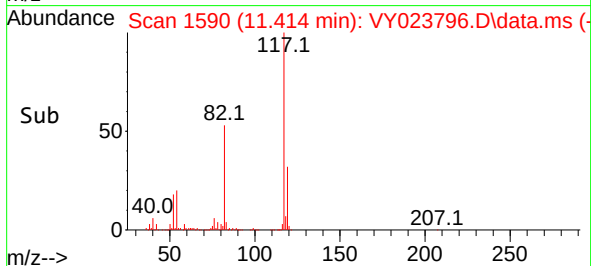
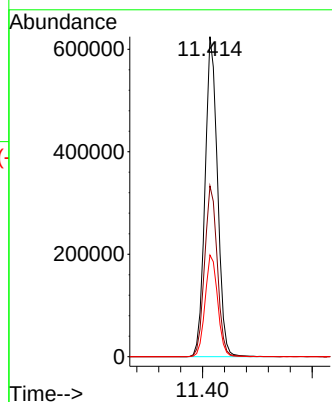
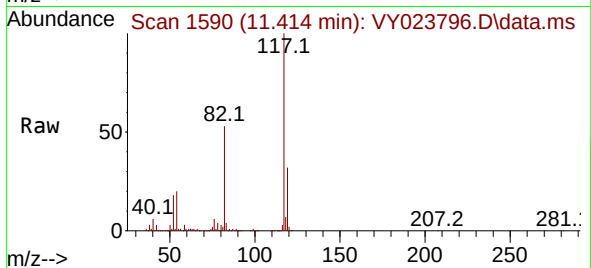
Tgt Ion:117 Resp: 983481

Ion Ratio Lower Upper

117 100

82 53.4 41.2 61.8

119 31.8 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023796.D

Acq: 24 Nov 2025 17:35

Tgt Ion:152 Resp: 351645

Ion Ratio Lower Upper

152 100

115 56.8 27.5 82.5

150 156.8 0.0 349.0

