

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023775.D
 Acq On : 13 Nov 2025 10:17
 Operator : SY/MD
 Sample : VY1113SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1113SBL01

Quant Time: Nov 14 04:23:31 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	770600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1347630	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1134546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	509347	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	372807	56.715	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.440%
35) Dibromofluoromethane	7.634	113	424945	50.458	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.920%
50) Toluene-d8	10.109	98	1526427	48.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.408	95	512720	50.537	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.080%

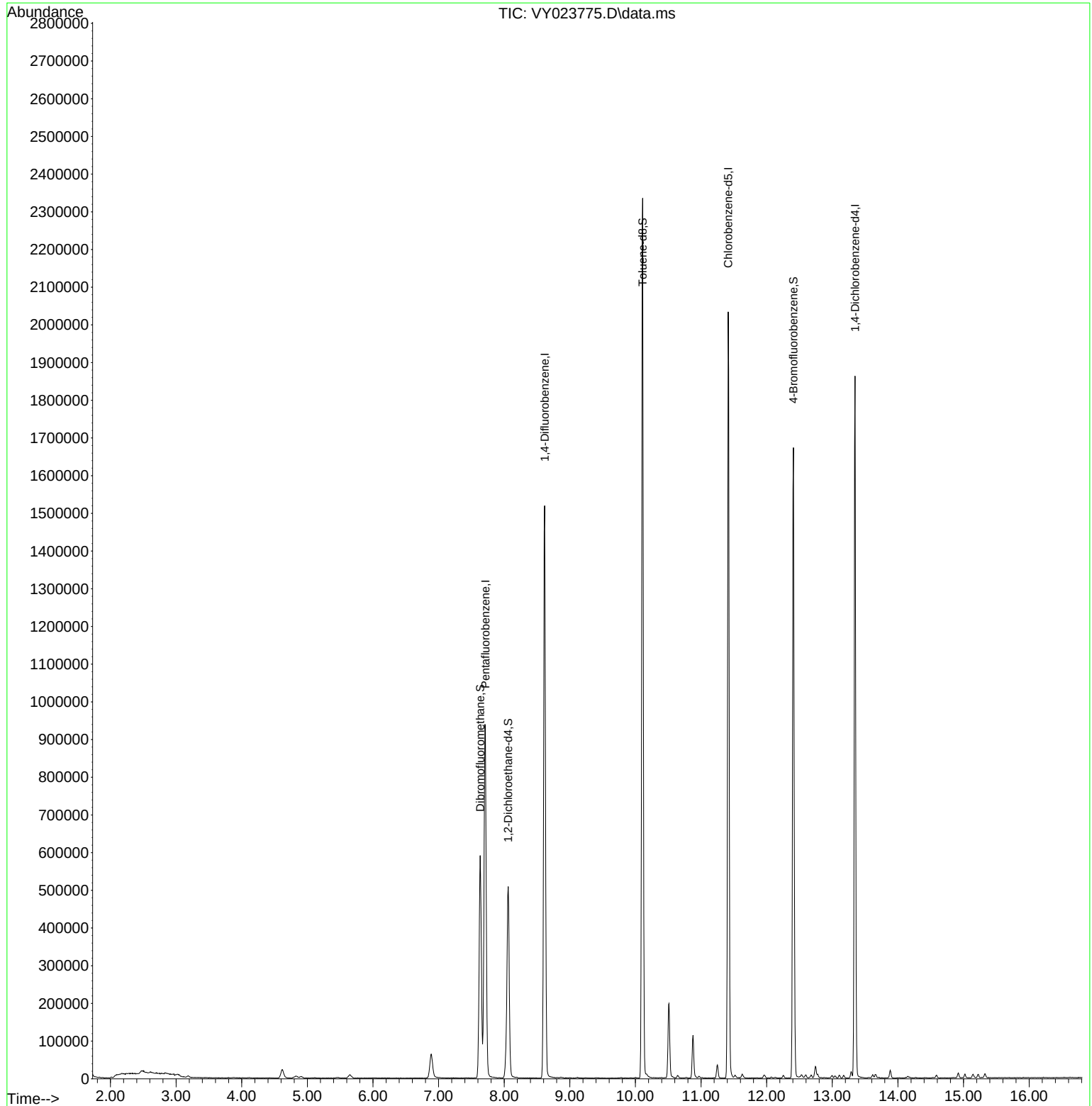
Target Compounds	Qvalue

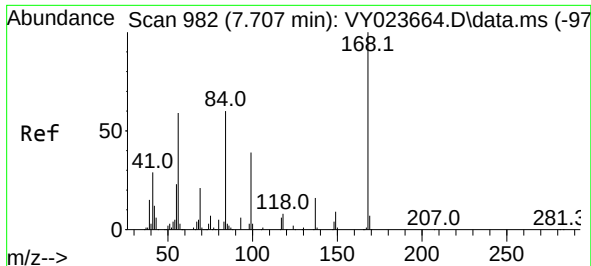
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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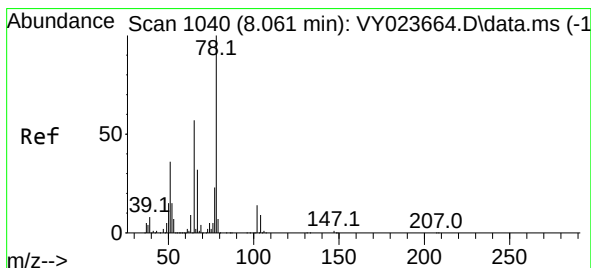
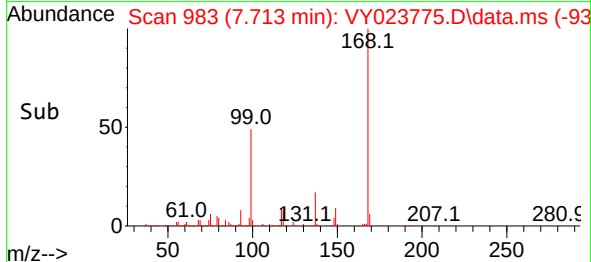
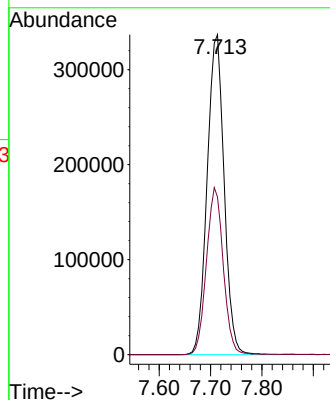
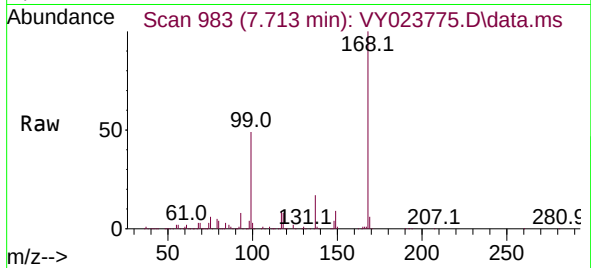




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

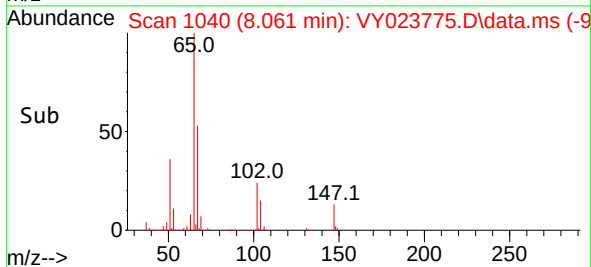
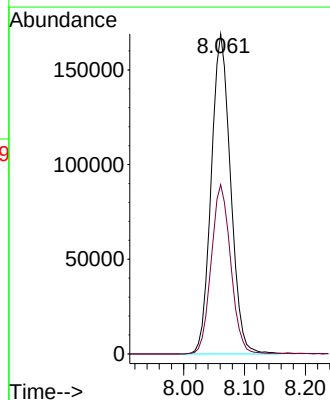
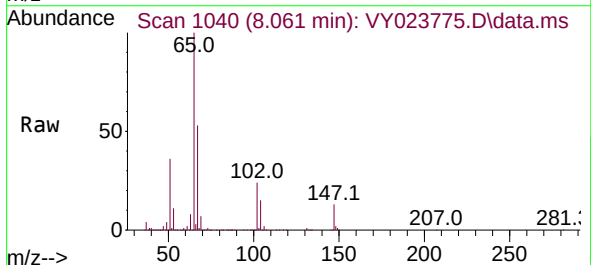
Instrument :
MSVOA_Y
ClientSampleId :
VY1113SBL01

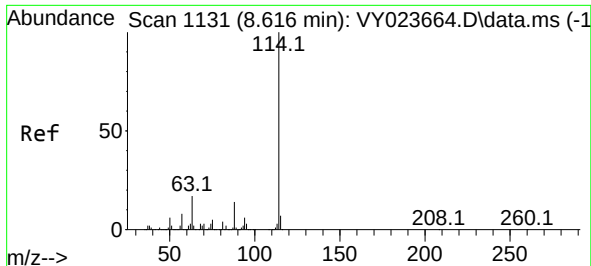
Tgt Ion:168 Resp: 770600
Ion Ratio Lower Upper
168 100
99 49.3 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 56.715 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion: 65 Resp: 372807
Ion Ratio Lower Upper
65 100
67 53.3 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: VY023775.D

Acq: 13 Nov 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBL01

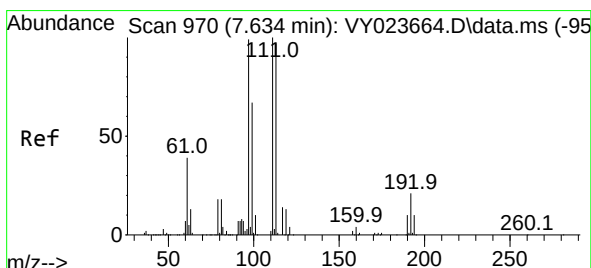
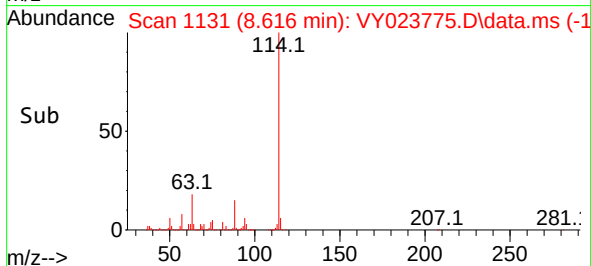
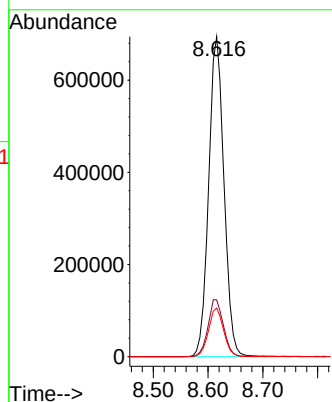
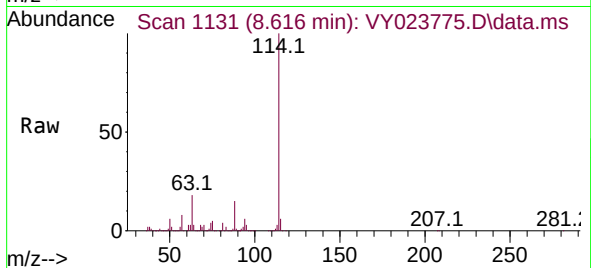
Tgt Ion:114 Resp: 1347630

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.458 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023775.D

Acq: 13 Nov 2025 10:17

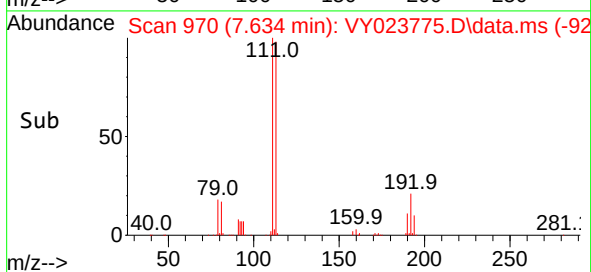
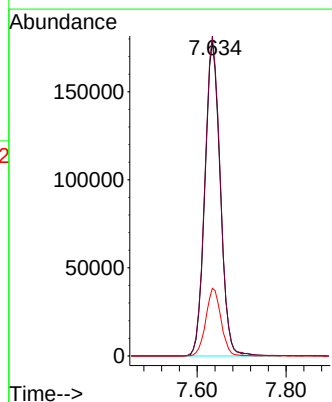
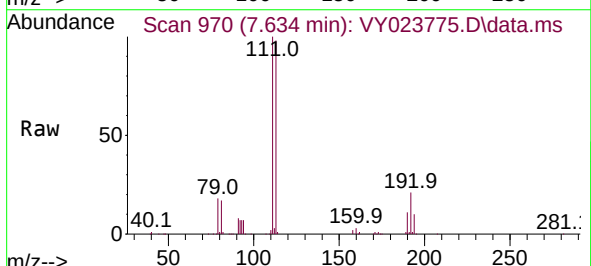
Tgt Ion:113 Resp: 424945

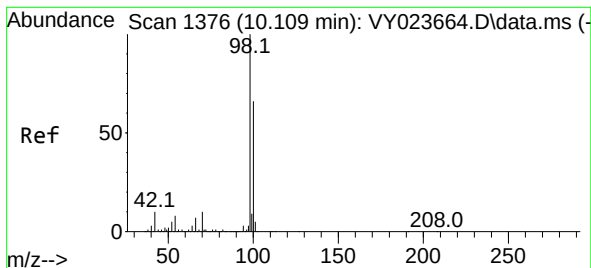
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 21.3 17.3 25.9

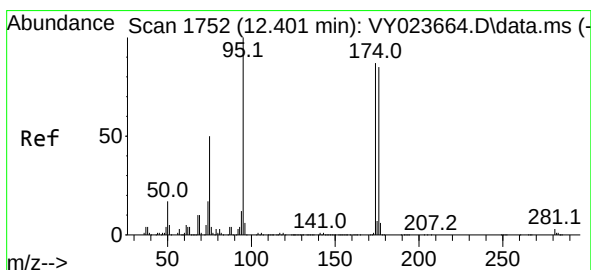
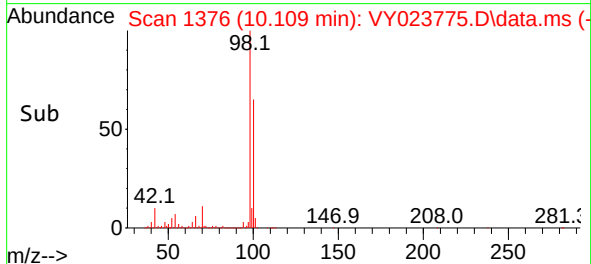
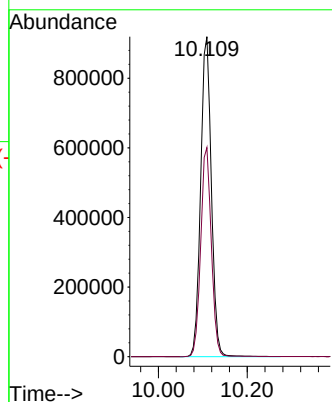
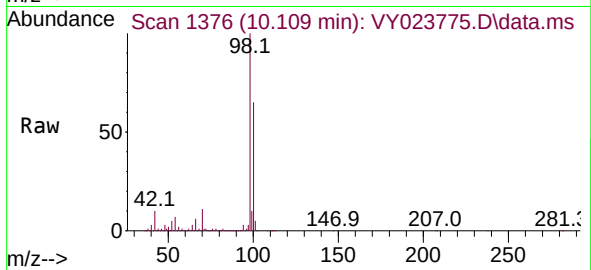




#50
Toluene-d8
Concen: 48.656 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

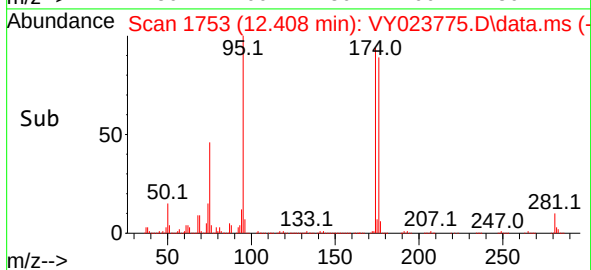
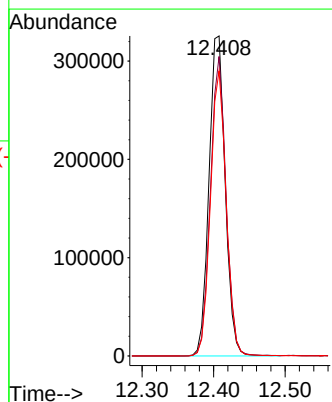
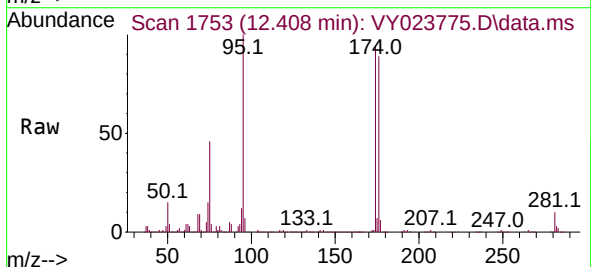
Instrument :
MSVOA_Y
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VY1113SBL01

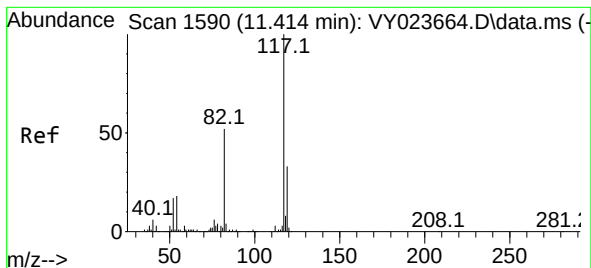
Tgt Ion: 98 Resp: 1526427
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 50.537 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023775.D
Acq: 13 Nov 2025 10:17

Tgt Ion: 95 Resp: 512720
Ion Ratio Lower Upper
95 100
174 90.3 0.0 184.8
176 86.5 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: VY023775.D

Acq: 13 Nov 2025 10:17

Instrument :

MSVOA_Y

ClientSampleId :

VY1113SBL01

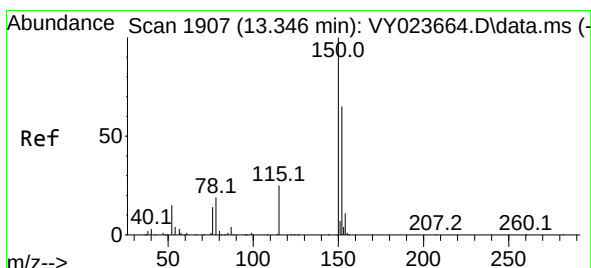
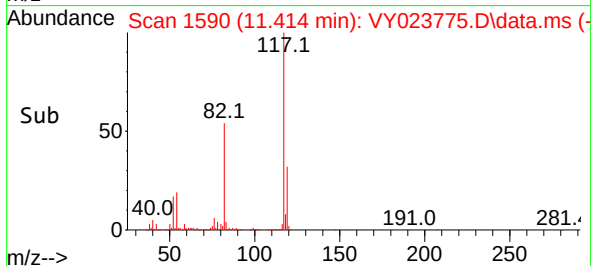
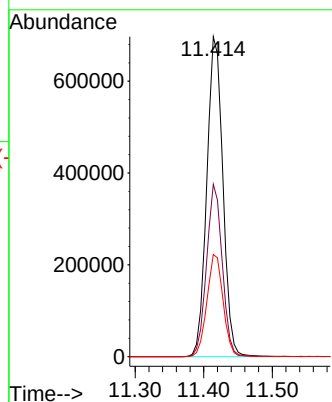
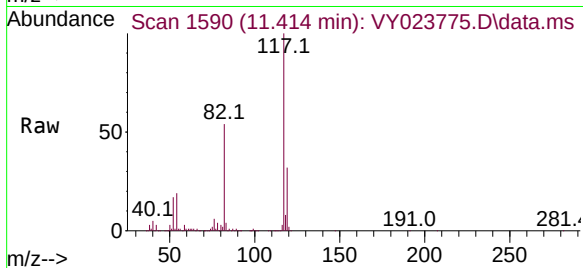
Tgt Ion:117 Resp: 1134546

Ion Ratio Lower Upper

117 100

82 53.9 41.2 61.8

119 31.9 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: VY023775.D

Acq: 13 Nov 2025 10:17

Tgt Ion:152 Resp: 509347

Ion Ratio Lower Upper

152 100

115 57.0 27.5 82.5

150 157.6 0.0 349.0

