

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023792.D
 Acq On : 24 Nov 2025 15:59
 Operator : SY/MD
 Sample : Q3710-05
 Misc : 4.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WELD-SHOP-EXCAVATION

Quant Time: Nov 26 02:12:54 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	582899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1049456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	885237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	333513	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	289924	58.309	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.620%
35) Dibromofluoromethane	7.634	113	332644	50.720	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.440%
50) Toluene-d8	10.109	98	1213681	49.679	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.408	95	337425	42.709	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.420%

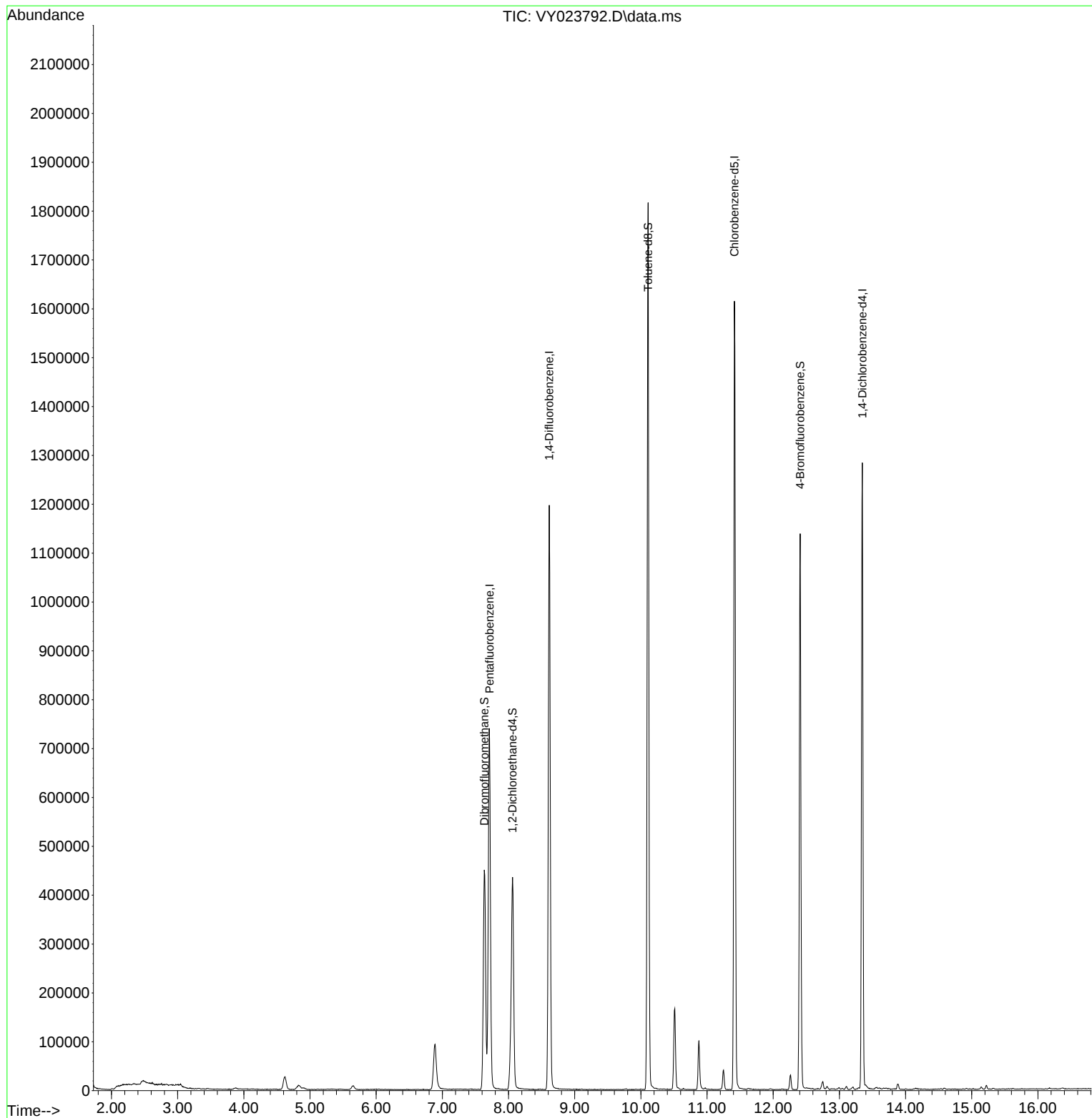
Target Compounds	Qvalue

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

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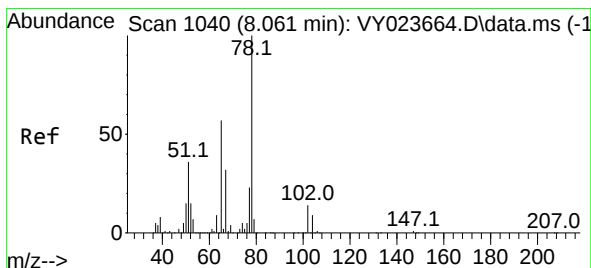
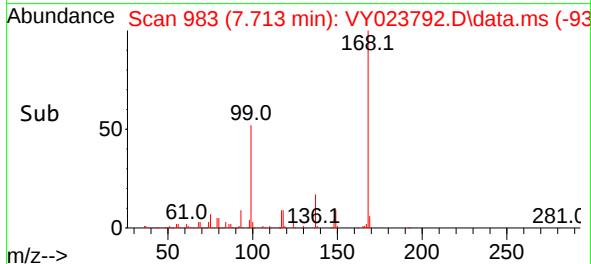
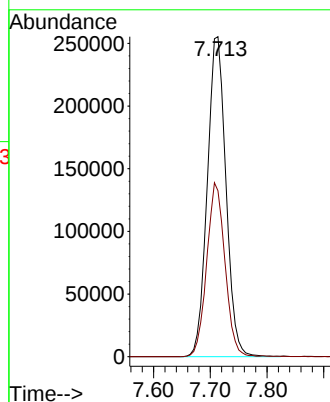
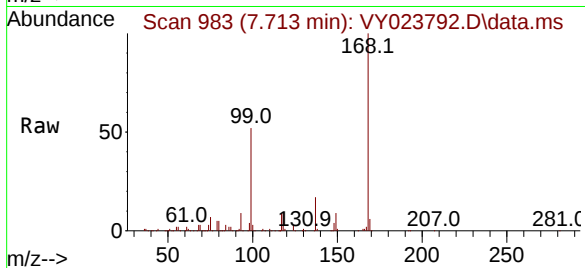




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023792.D
Acq: 24 Nov 2025 15:59

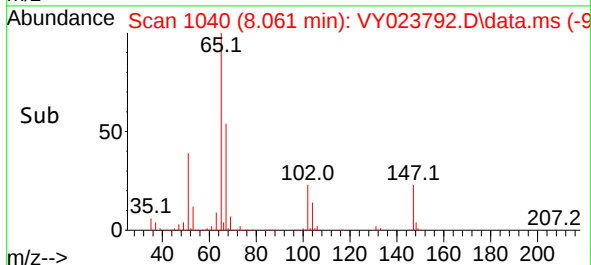
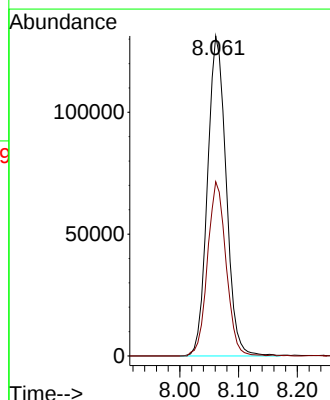
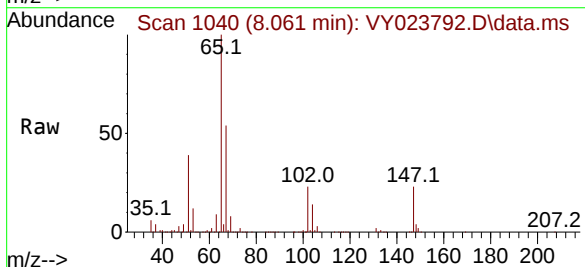
Instrument :
MSVOA_Y
ClientSampleId :
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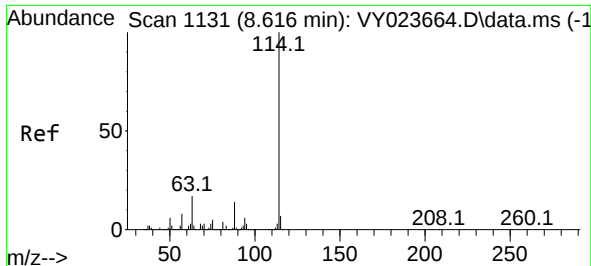
Tgt Ion:168 Resp: 582899
Ion Ratio Lower Upper
168 100
99 51.8 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 58.309 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023792.D
Acq: 24 Nov 2025 15:59

Tgt Ion: 65 Resp: 289924
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.4

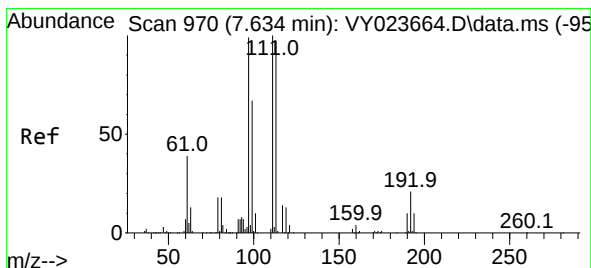
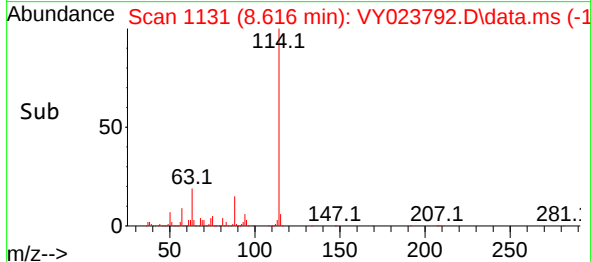
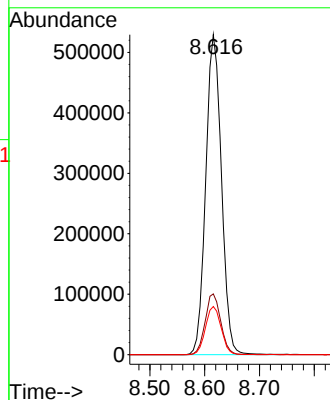
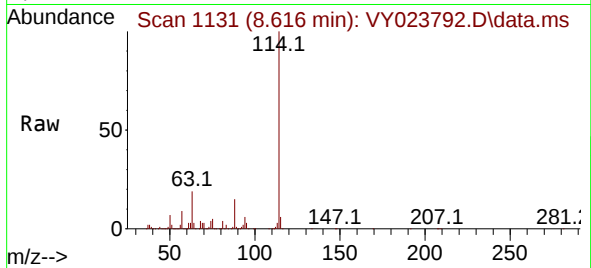




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023792.D
Acq: 24 Nov 2025 15:59

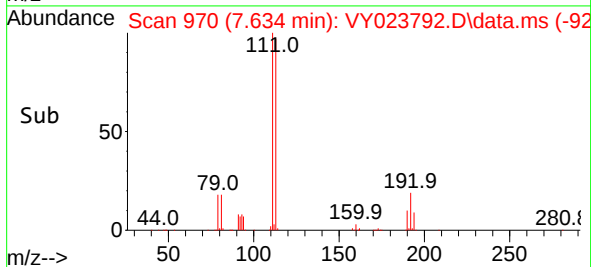
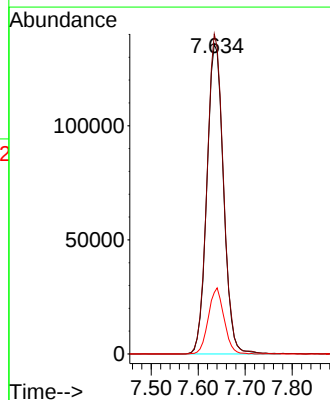
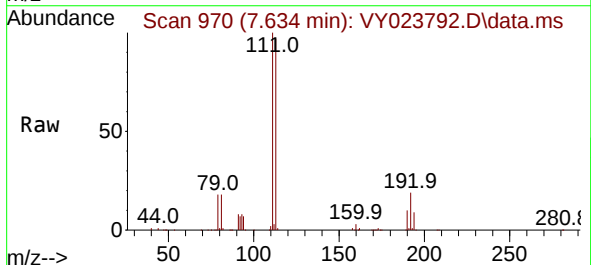
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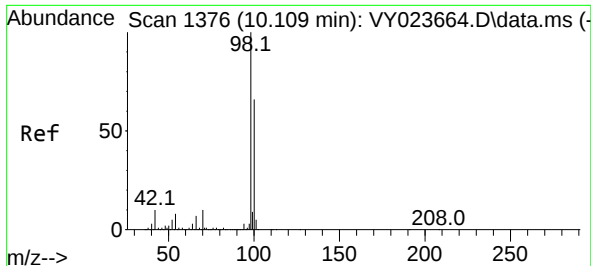
Tgt Ion:114 Resp: 1049456
Ion Ratio Lower Upper
114 100
63 19.0 0.0 33.8
88 15.1 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.720 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023792.D
Acq: 24 Nov 2025 15:59

Tgt Ion:113 Resp: 332644
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 20.1 17.3 25.9

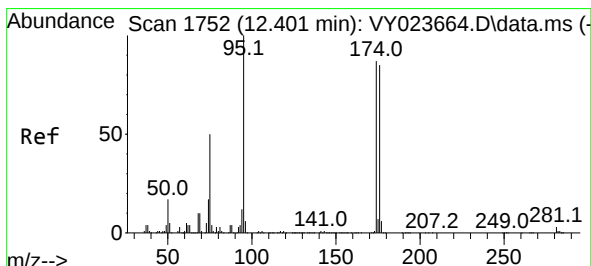
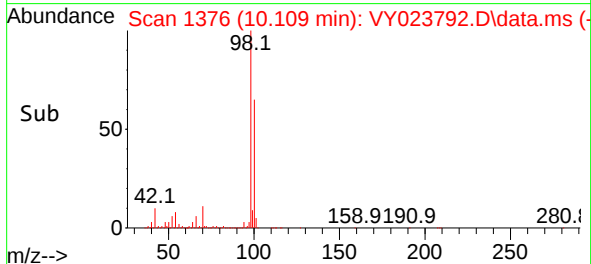
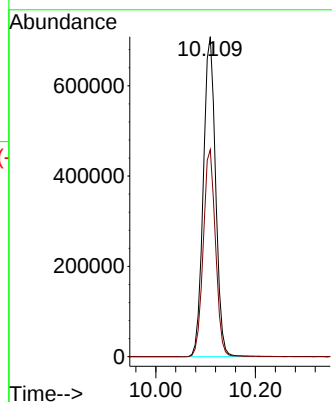
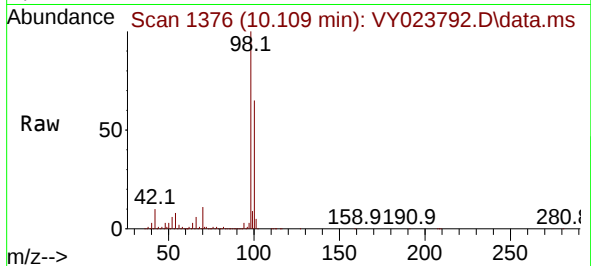




#50
Toluene-d8
Concen: 49.679 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023792.D
Acq: 24 Nov 2025 15:59

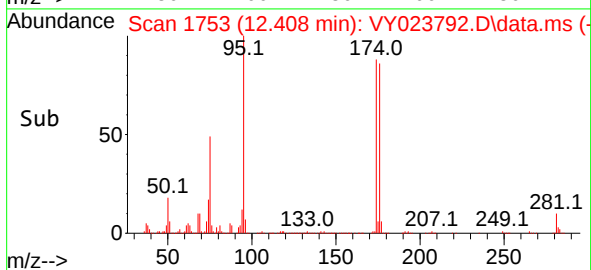
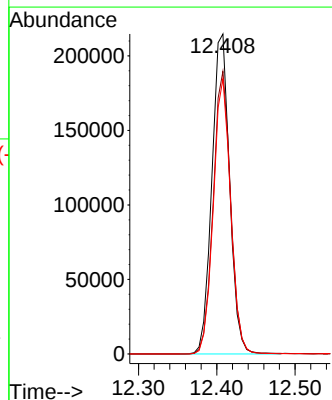
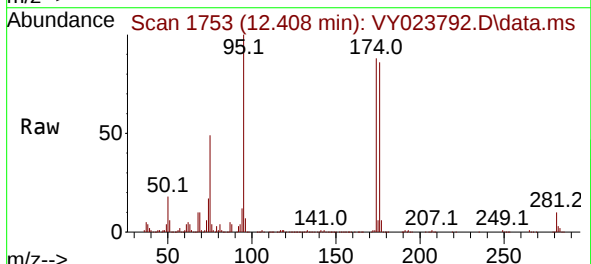
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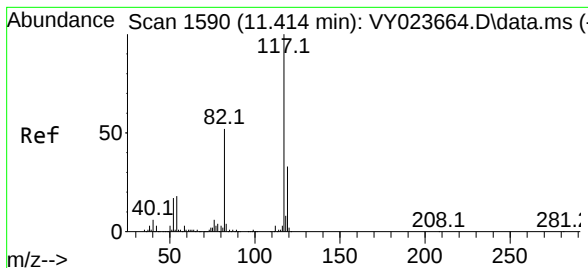
Tgt Ion: 98 Resp: 1213681
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.709 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023792.D
Acq: 24 Nov 2025 15:59

Tgt Ion: 95 Resp: 337425
Ion Ratio Lower Upper
95 100
174 87.2 0.0 184.8
176 83.9 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: VY023792.D

Acq: 24 Nov 2025 15:59

Instrument :

MSVOA_Y

ClientSampleId :

WELD-SHOP-EXCAVATION

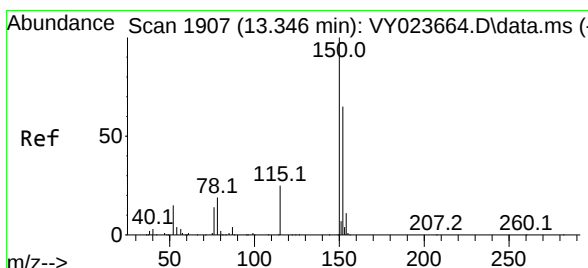
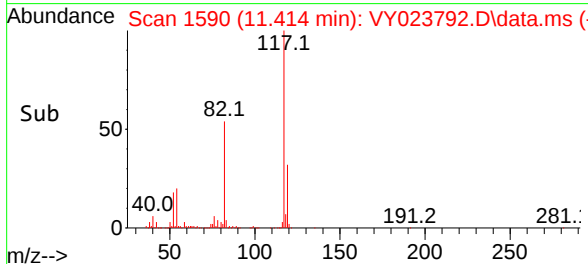
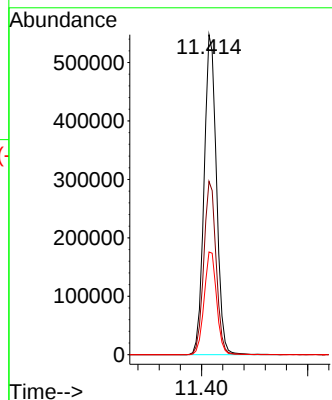
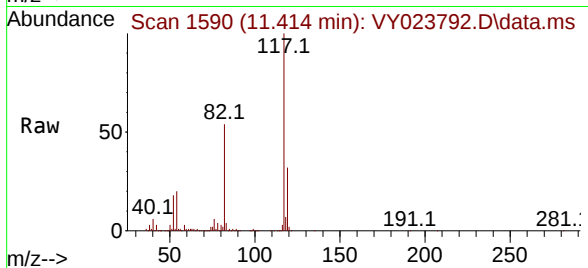
Tgt Ion:117 Resp: 885237

Ion Ratio Lower Upper

117 100

82 54.1 41.2 61.8

119 32.1 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023792.D

Acq: 24 Nov 2025 15:59

Tgt Ion:152 Resp: 333513

Ion Ratio Lower Upper

152 100

115 57.7 27.5 82.5

150 156.7 0.0 349.0

