

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110725\
 Data File : VY023710.D
 Acq On : 07 Nov 2025 15:53
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 08 03:28:50 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	2779035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	4632413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	3883115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	1695811	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1204676	50.818	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.640%
35) Dibromofluoromethane	7.634	113	1392040	48.085	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.180%
50) Toluene-d8	10.109	98	5211057	48.323	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.402	95	1643259	47.120	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.240%

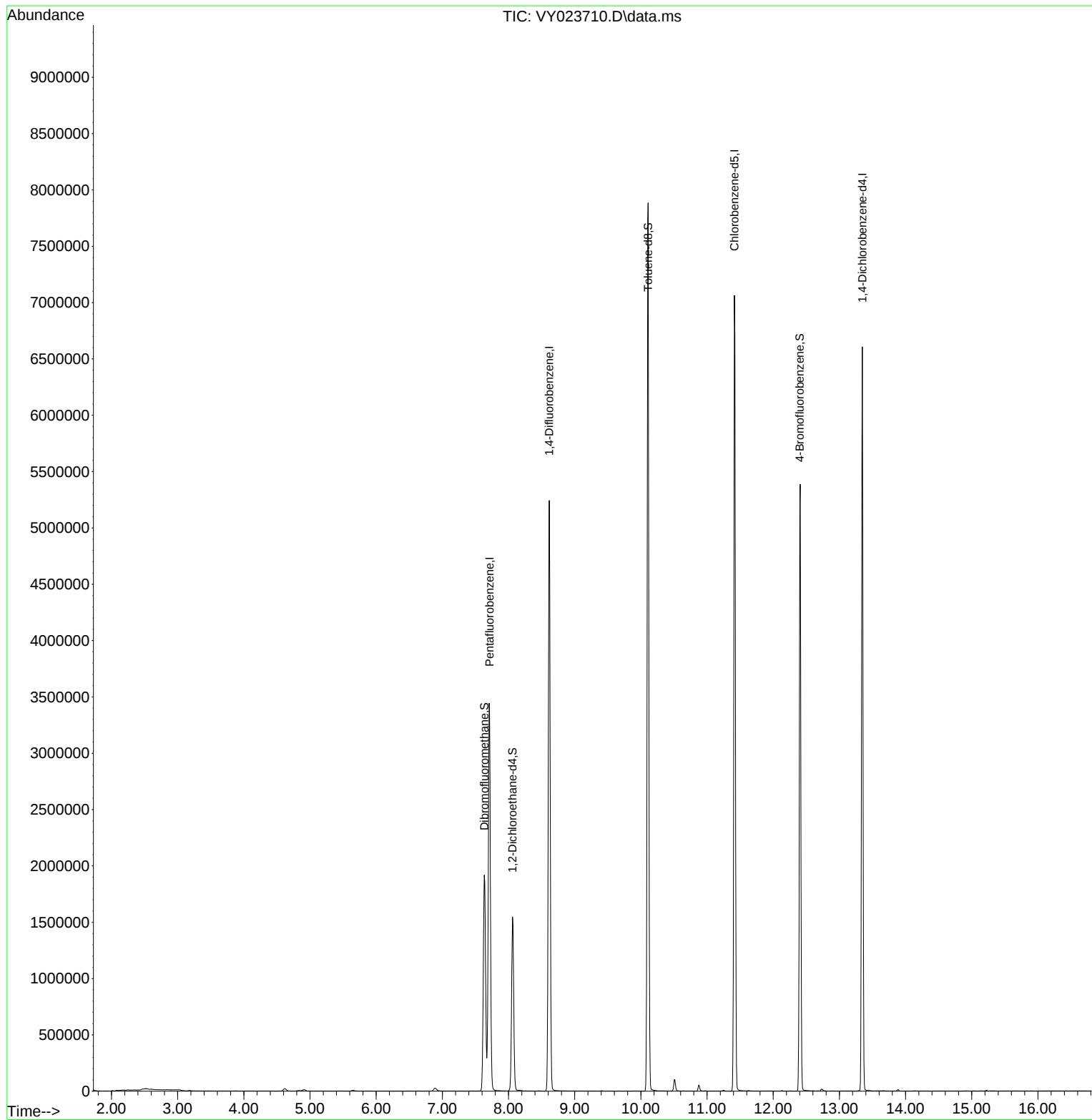
Target Compounds	Qvalue

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

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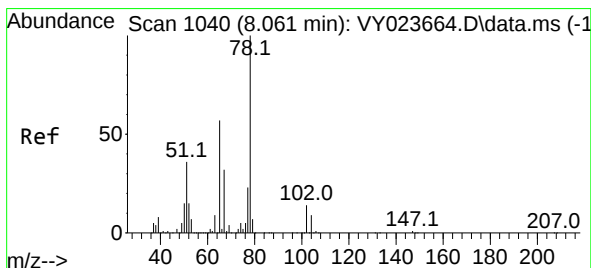
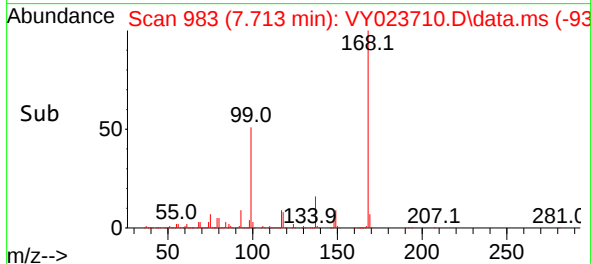
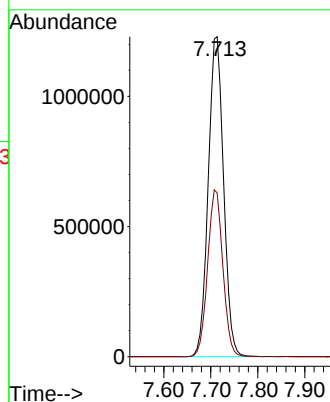
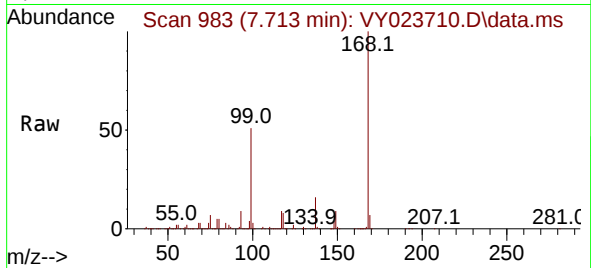




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

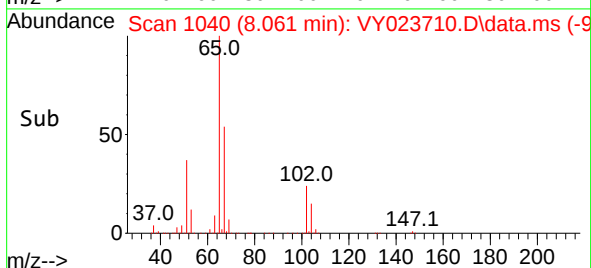
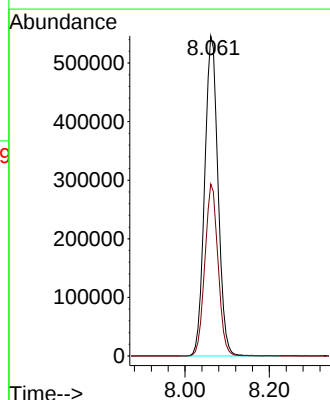
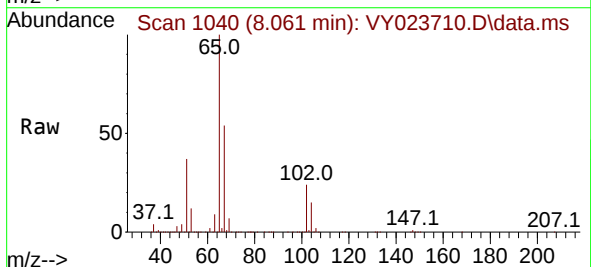
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

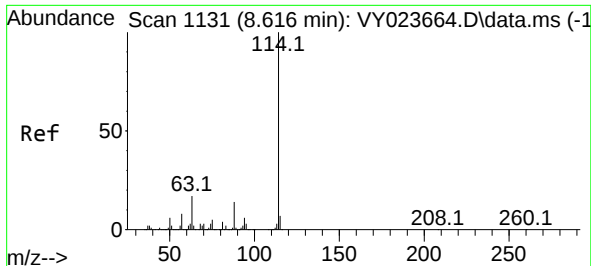
Tgt Ion:168 Resp: 2779035
Ion Ratio Lower Upper
168 100
99 51.2 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 50.818 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

Tgt Ion: 65 Resp: 1204676
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.4

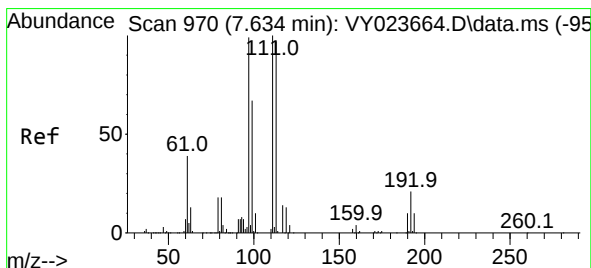
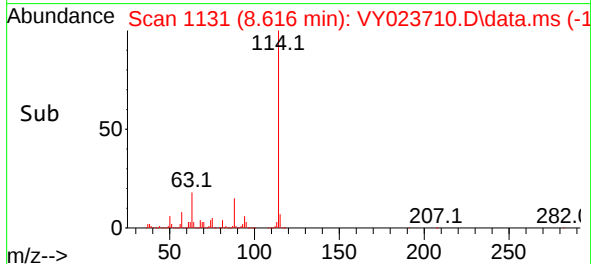
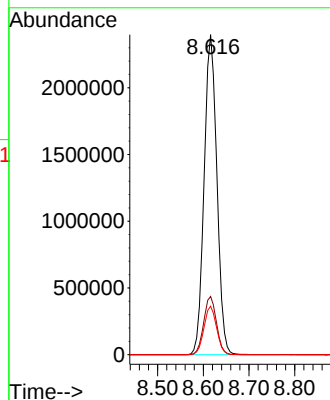
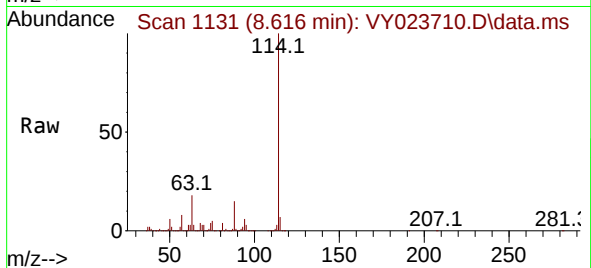




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

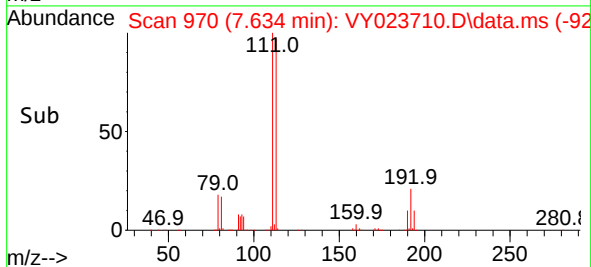
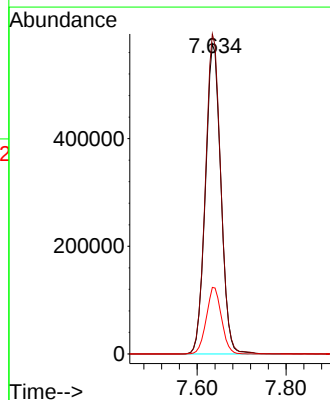
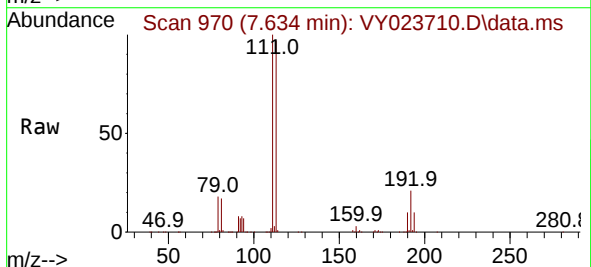
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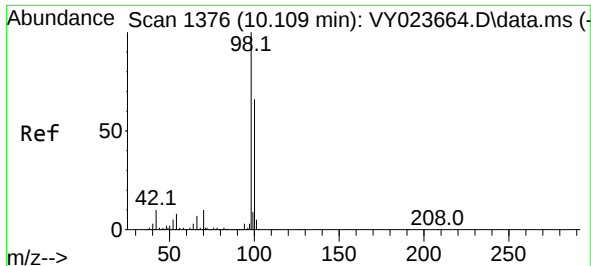
Tgt Ion:114 Resp: 4632413
Ion Ratio Lower Upper
114 100
63 18.2 0.0 33.8
88 15.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 48.085 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

Tgt Ion:113 Resp: 1392040
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 21.1 17.3 25.9

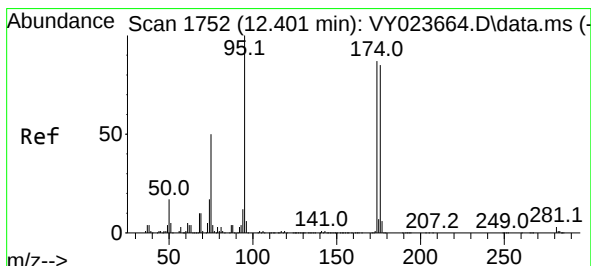
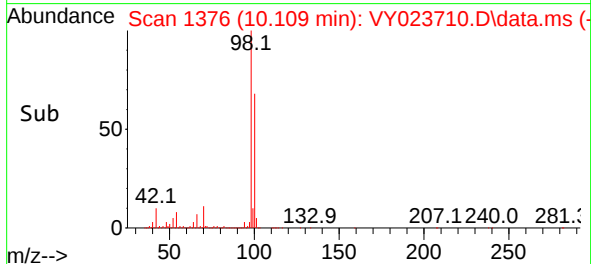
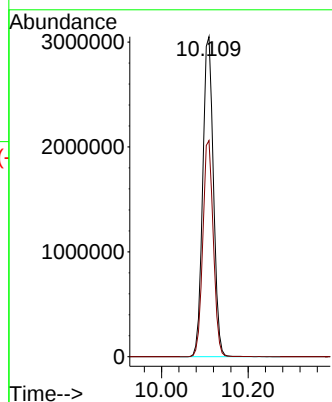
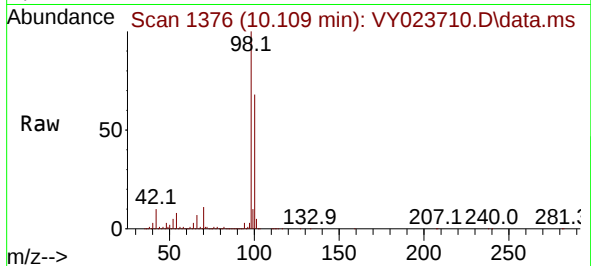




#50
Toluene-d8
Concen: 48.323 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

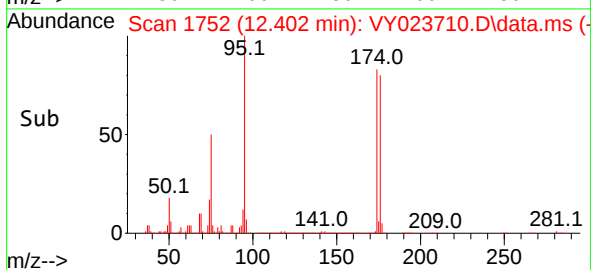
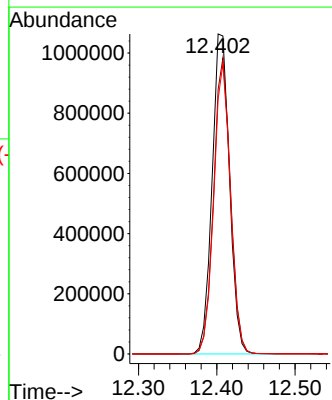
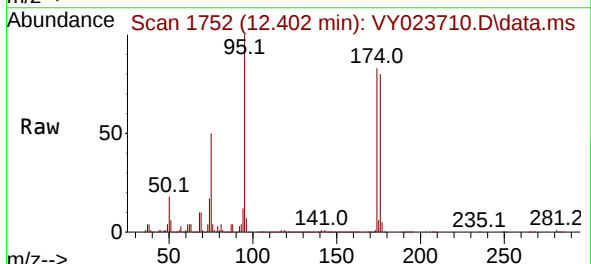
Instrument :
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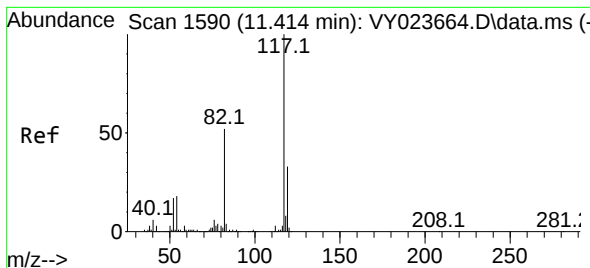
Tgt Ion: 98 Resp: 5211057
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 47.120 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

Tgt Ion: 95 Resp: 1643259
Ion Ratio Lower Upper
95 100
174 89.9 0.0 184.8
176 87.1 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: VY023710.D

Acq: 07 Nov 2025 15:53

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

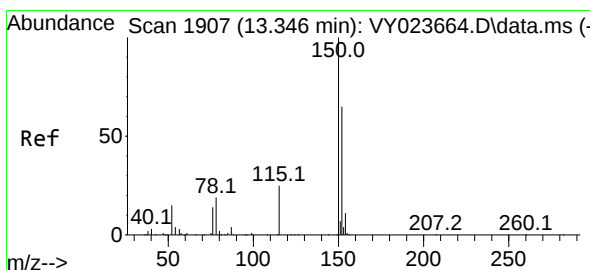
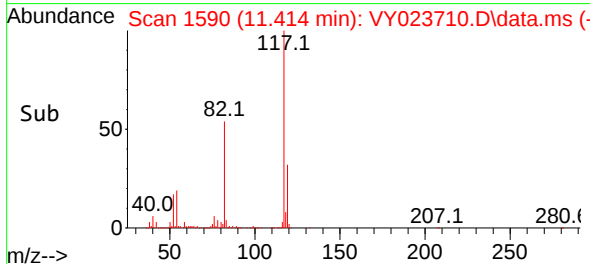
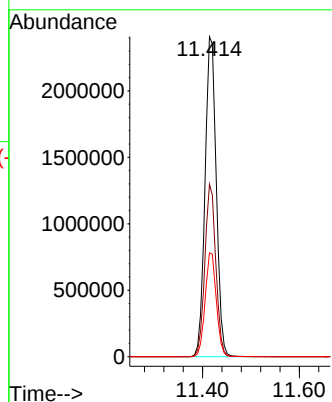
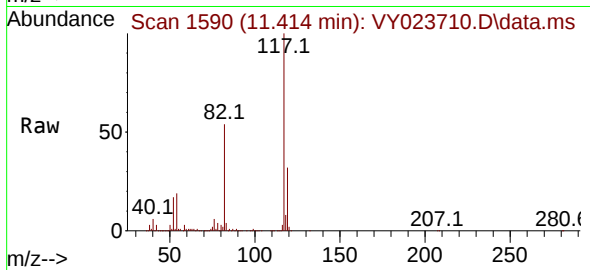
Tgt Ion:117 Resp: 3883115

Ion Ratio Lower Upper

117 100

82 53.9 41.2 61.8

119 32.5 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: VY023710.D

Acq: 07 Nov 2025 15:53

Tgt Ion:152 Resp: 1695811

Ion Ratio Lower Upper

152 100

115 56.9 27.5 82.5

150 155.6 0.0 349.0

