

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023080.D
 Acq On : 13 Aug 2025 19:14
 Operator : SY/MD
 Sample : Q2819-18
 Misc : 9.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 38M-W

Quant Time: Aug 14 01:28:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	629431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1263312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1125973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	453970	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	370843	61.818	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.640%
35) Dibromofluoromethane	7.628	113	403184	53.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.680%
50) Toluene-d8	10.103	98	1558908	52.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.580%
62) 4-Bromofluorobenzene	12.401	95	454520	47.859	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.720%

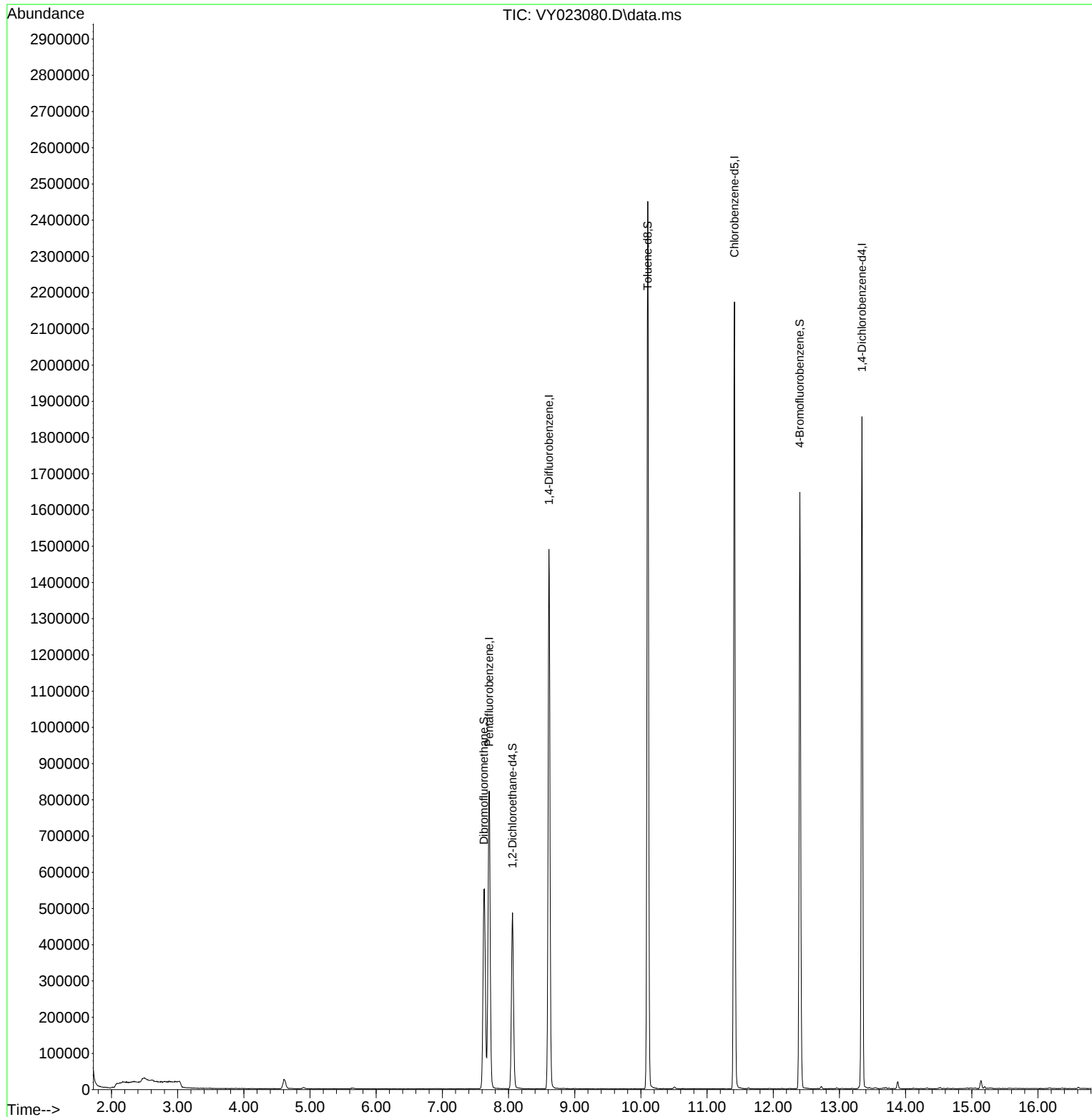
Target Compounds	Qvalue

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

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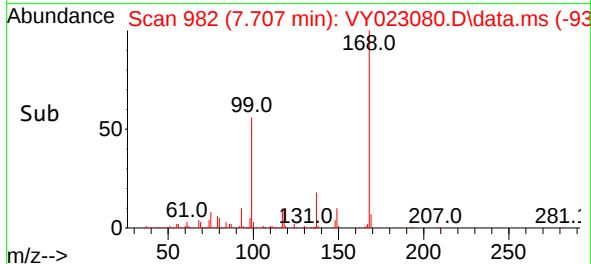
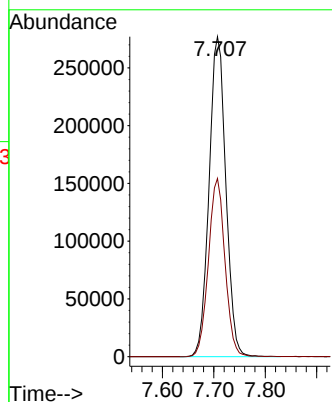
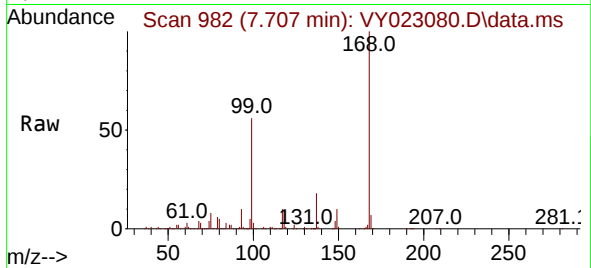




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

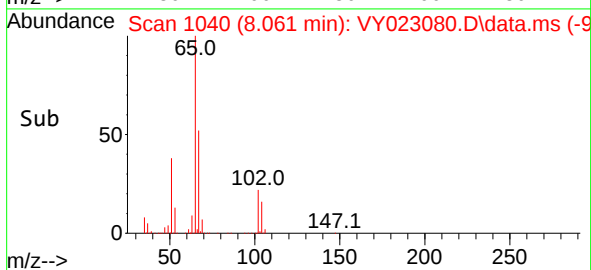
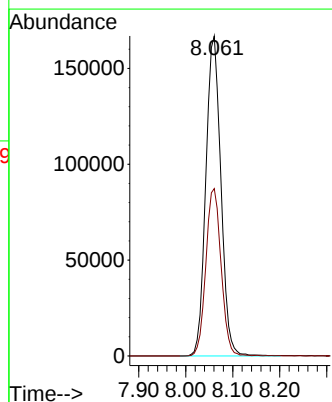
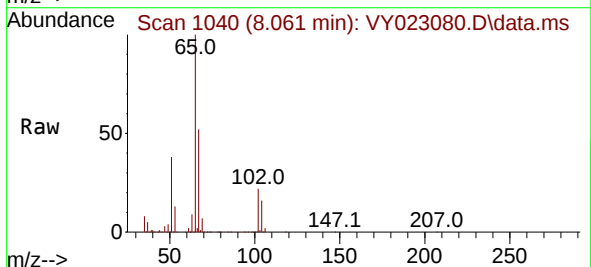
Instrument :
MSVOA_Y
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38M-W

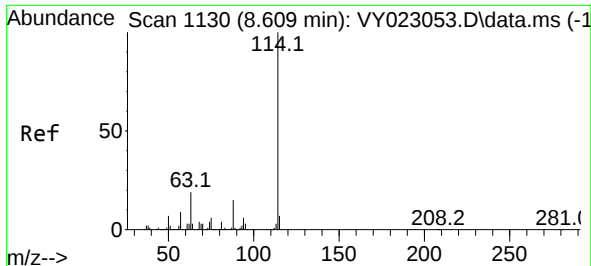
Tgt Ion:168 Resp: 629431
Ion Ratio Lower Upper
168 100
99 55.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 61.818 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

Tgt Ion: 65 Resp: 370843
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY023080.D

Acq: 13 Aug 2025 19:14

Instrument :

MSVOA_Y

ClientSampleId :

38M-W

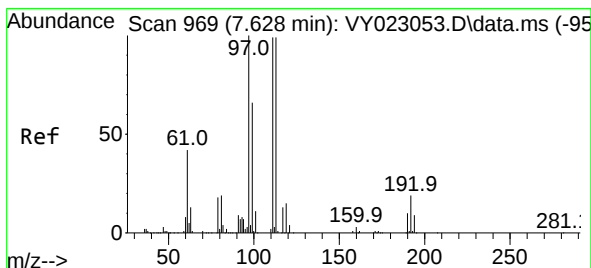
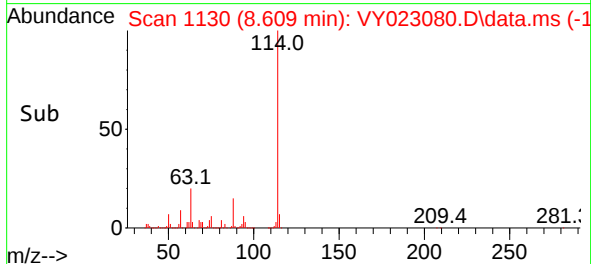
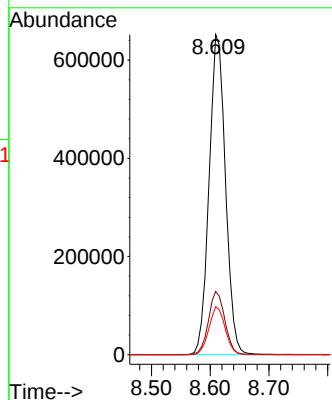
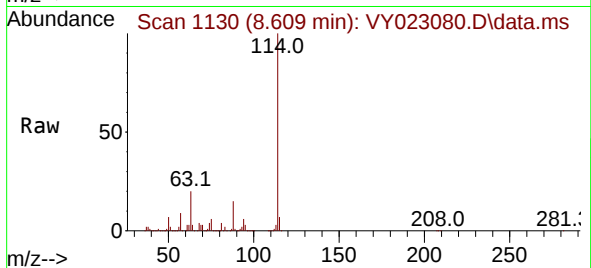
Tgt Ion:114 Resp: 1263312

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 15.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.336 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY023080.D

Acq: 13 Aug 2025 19:14

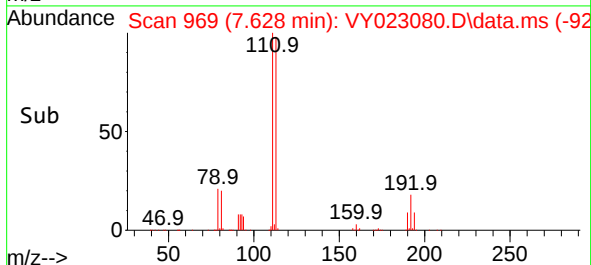
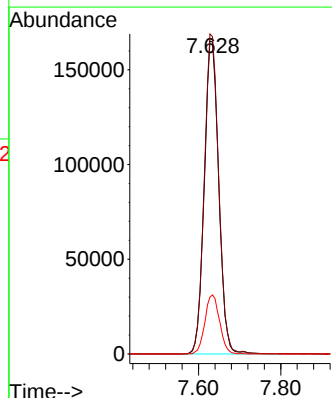
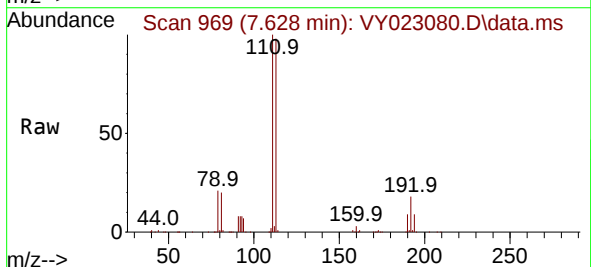
Tgt Ion:113 Resp: 403184

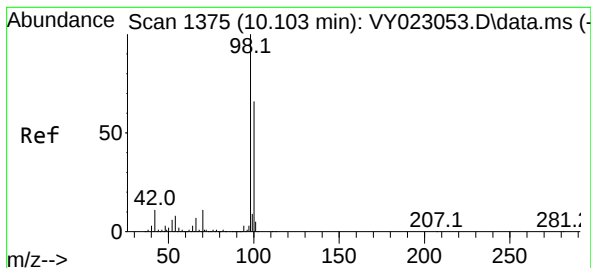
Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

192 19.1 16.2 24.4

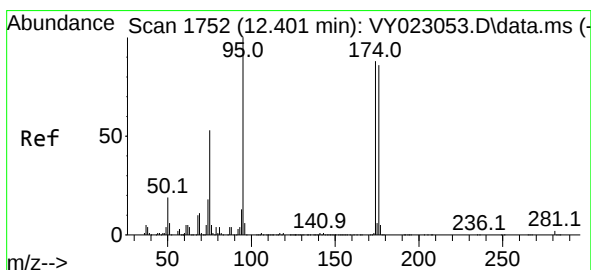
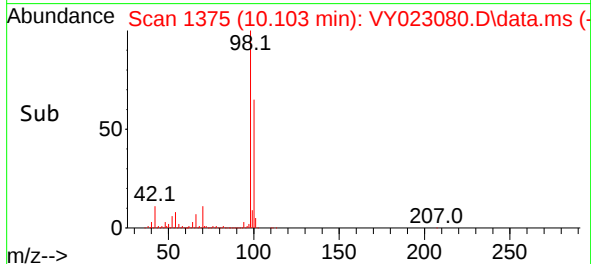
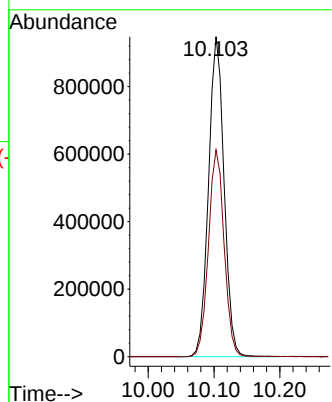
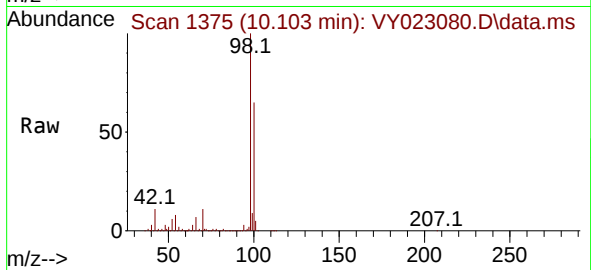




#50
Toluene-d8
Concen: 52.789 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

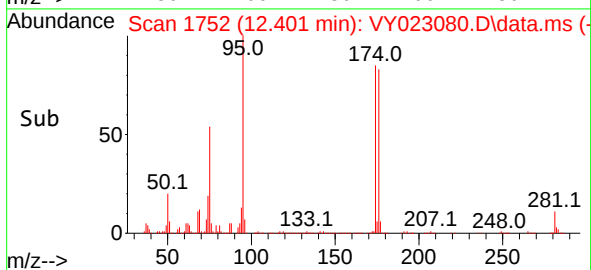
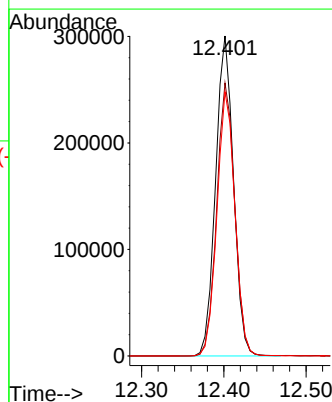
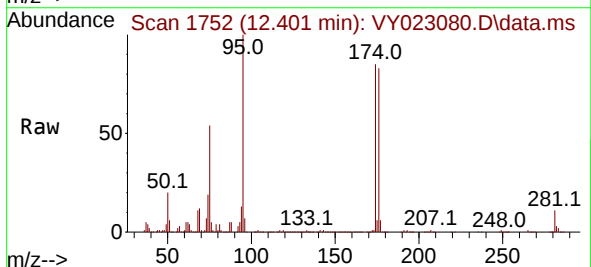
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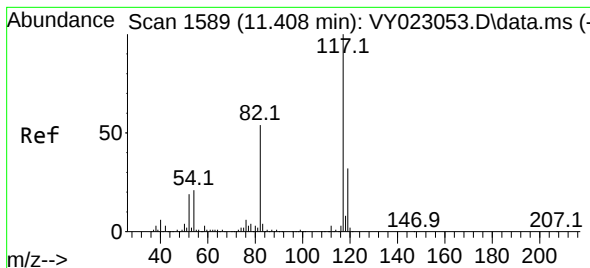
Tgt Ion: 98 Resp: 1558908
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.859 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023080.D
Acq: 13 Aug 2025 19:14

Tgt Ion: 95 Resp: 454520
Ion Ratio Lower Upper
95 100
174 86.1 0.0 171.6
176 82.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023080.D

Acq: 13 Aug 2025 19:14

Instrument :

MSVOA_Y

ClientSampleId :

38M-W

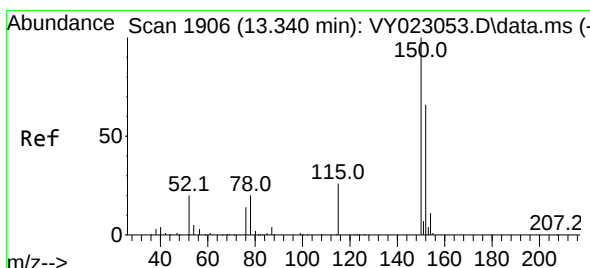
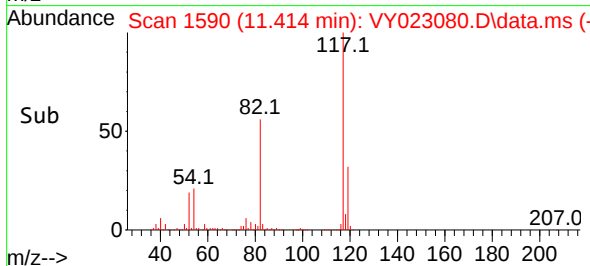
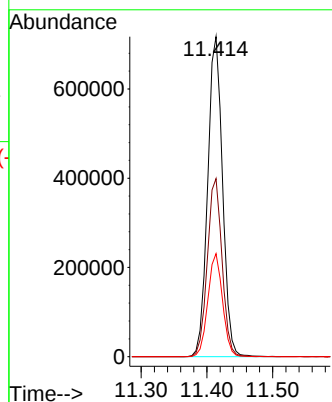
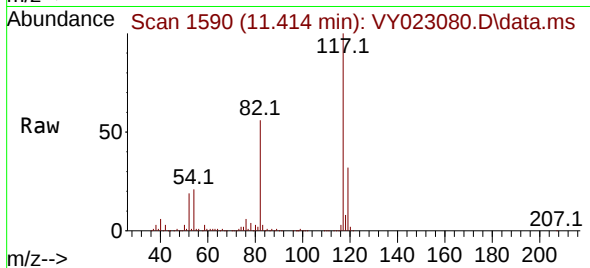
Tgt Ion:117 Resp: 1125973

Ion Ratio Lower Upper

117 100

82 55.6 43.4 65.0

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VY023080.D

Acq: 13 Aug 2025 19:14

Tgt Ion:152 Resp: 453970

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 157.5 0.0 348.0

