

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023178.D
 Acq On : 20 Aug 2025 16:08
 Operator : SY/MD
 Sample : Q2892-09
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-FLOOR-SOUTH-E

Quant Time: Aug 21 01:40:36 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	7.713	168	494911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	934233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	840073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	335210	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	270806	57.413	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.820%
35) Dibromofluoromethane	7.634	113	299808	53.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.260%
50) Toluene-d8	10.109	98	1132618	51.864	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.720%
62) 4-Bromofluorobenzene	12.401	95	328042	46.708	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.420%

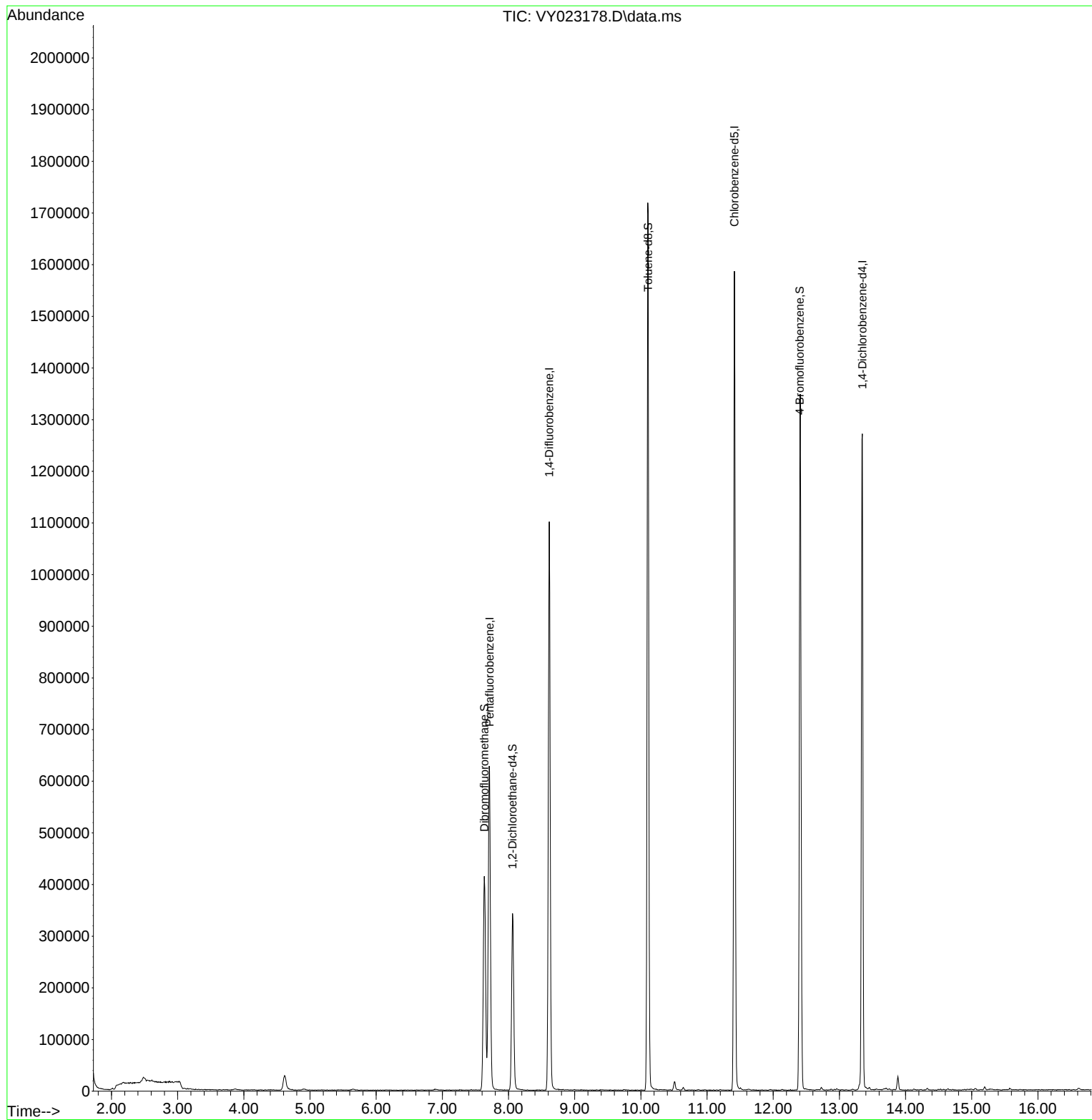
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
Data File : VY023178.D
Acq On : 20 Aug 2025 16:08
Operator : SY/MD
Sample : Q2892-09
Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
3-FLOOR-SOUTH-E

Quant Time: Aug 21 01:40:36 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

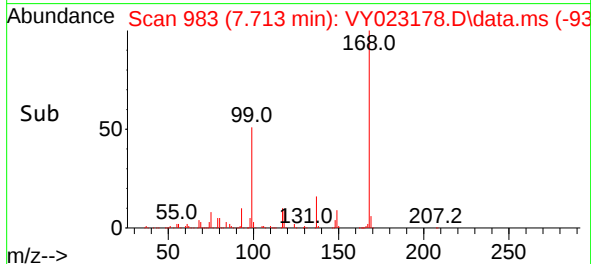
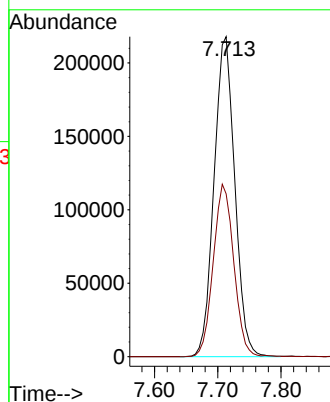
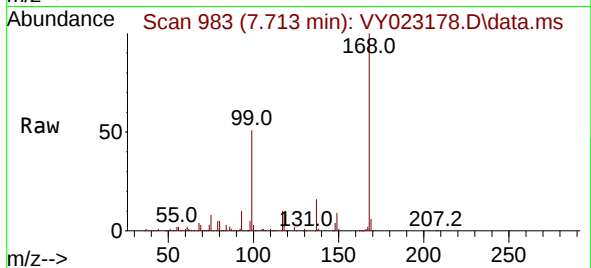




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

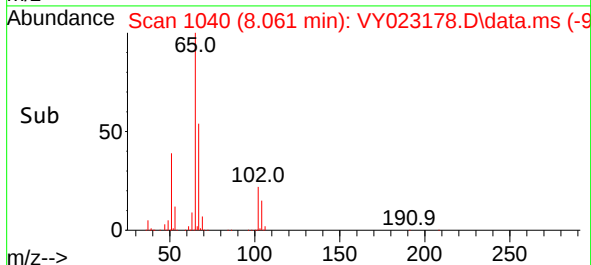
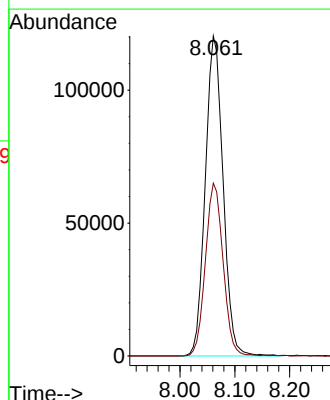
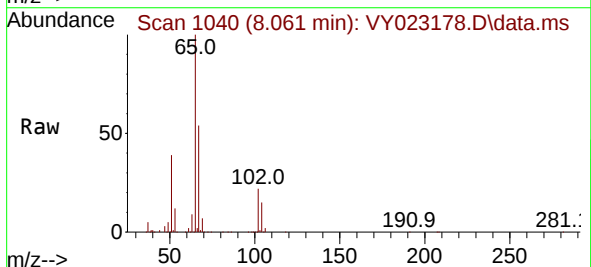
Instrument :
MSVOA_Y
ClientSampleId :
3-FLOOR-SOUTH-E

Tgt Ion:168 Resp: 494911
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 57.413 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

Tgt Ion: 65 Resp: 270806
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023178.D

Acq: 20 Aug 2025 16:08

Instrument :

MSVOA_Y

ClientSampleId :

3-FLOOR-SOUTH-E

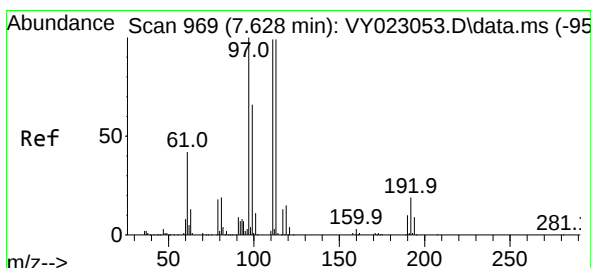
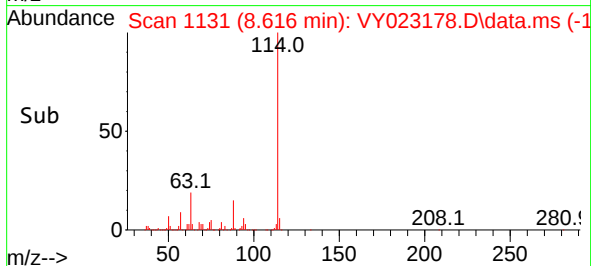
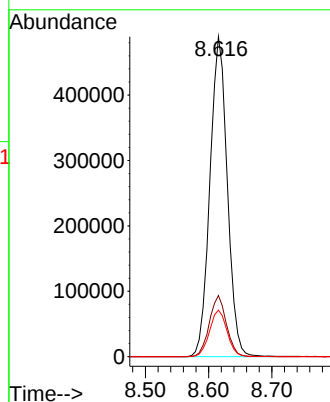
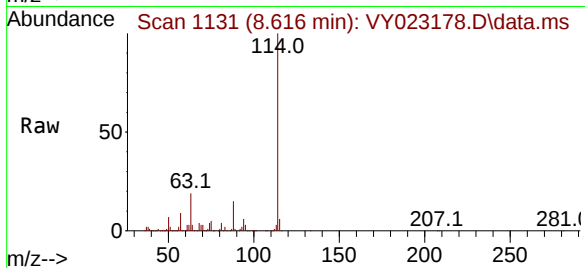
Tgt Ion:114 Resp: 934233

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 14.6 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.631 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023178.D

Acq: 20 Aug 2025 16:08

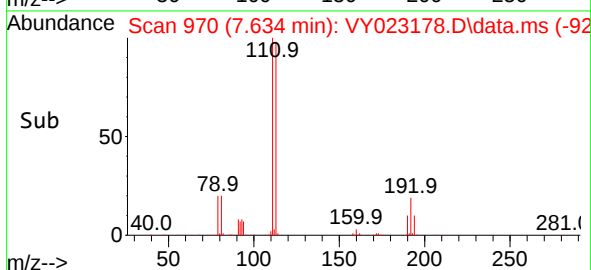
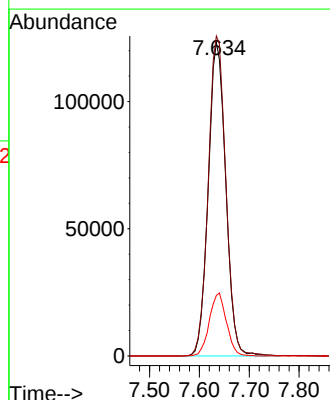
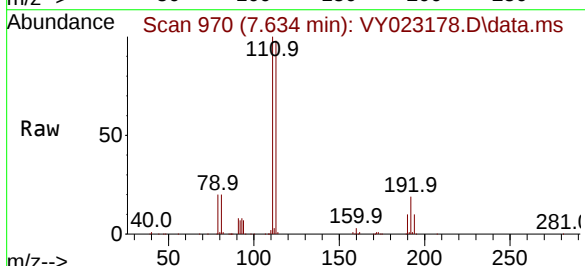
Tgt Ion:113 Resp: 299808

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 19.6 16.2 24.4

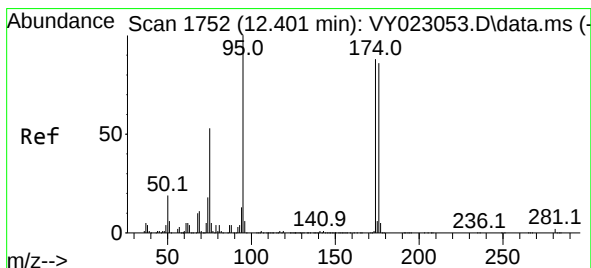
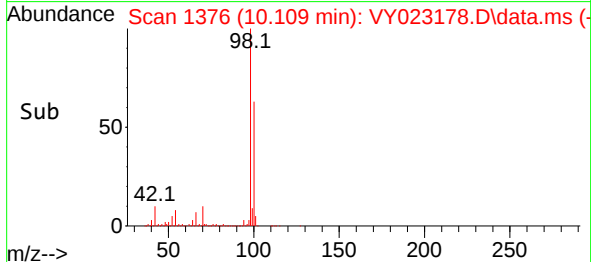
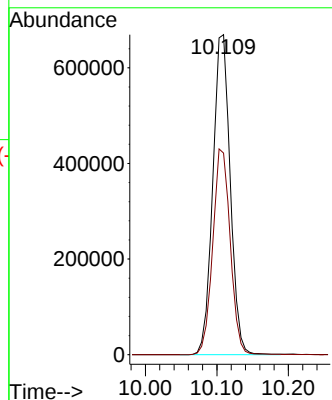
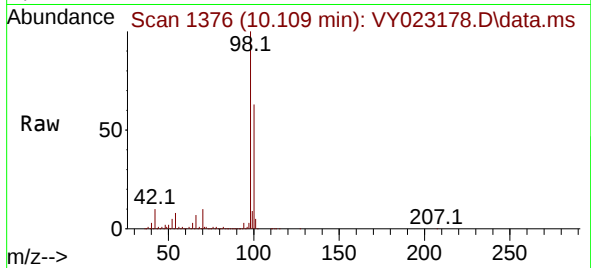




#50
Toluene-d8
Concen: 51.864 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

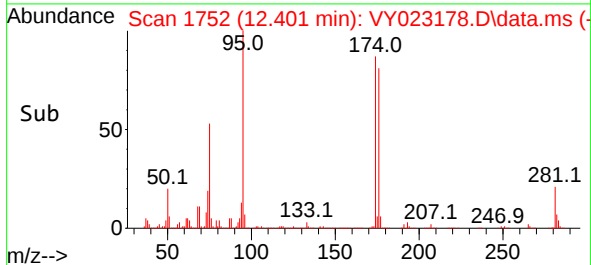
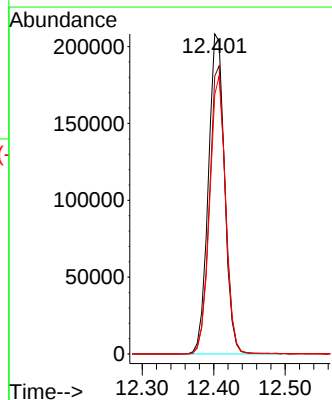
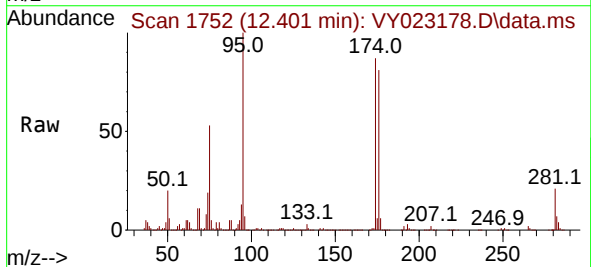
Instrument :
MSVOA_Y
ClientSampleId :
3-FLOOR-SOUTH-E

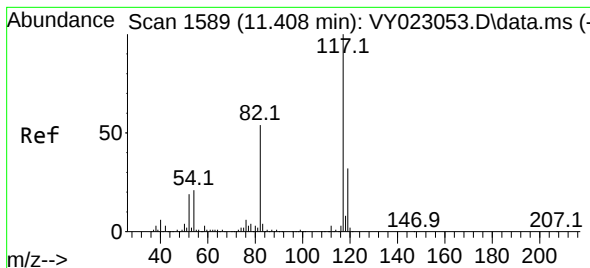
Tgt Ion: 98 Resp: 1132618
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.708 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023178.D
Acq: 20 Aug 2025 16:08

Tgt Ion: 95 Resp: 328042
Ion Ratio Lower Upper
95 100
174 88.5 0.0 171.6
176 84.9 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: VY023178.D

Acq: 20 Aug 2025 16:08

Instrument :

MSVOA_Y

ClientSampleId :

3-FLOOR-SOUTH-E

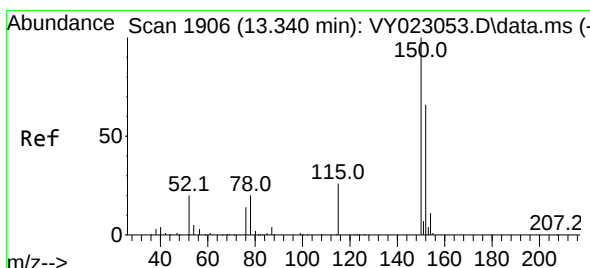
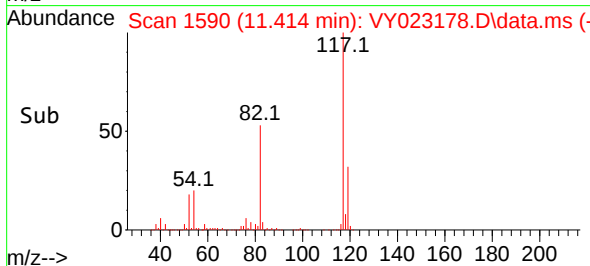
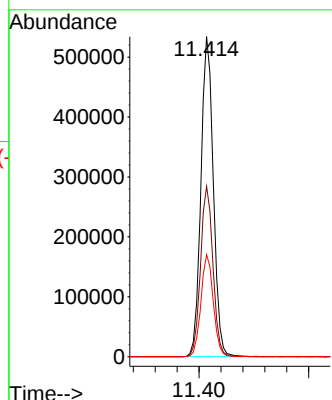
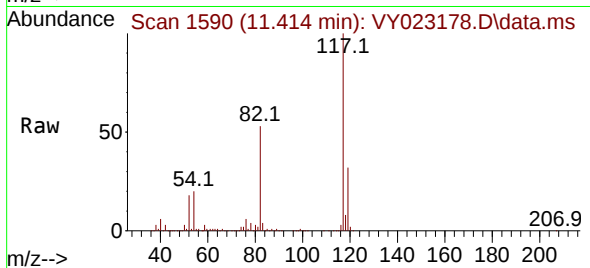
Tgt Ion:117 Resp: 840073

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023178.D

Acq: 20 Aug 2025 16:08

Tgt Ion:152 Resp: 335210

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 156.6 0.0 348.0

