

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022222.D
 Acq On : 12 May 2025 14:17
 Operator : SY/MD
 Sample : Q1983-50
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-636-VOC-09

Quant Time: May 13 02:20:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	140769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	247019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	220917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	88843	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85469	65.732	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.460%
35) Dibromofluoromethane	7.634	113	91054	55.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.580%
50) Toluene-d8	10.109	98	293855	47.763	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.520%
62) 4-Bromofluorobenzene	12.408	95	81143	39.178	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.360%

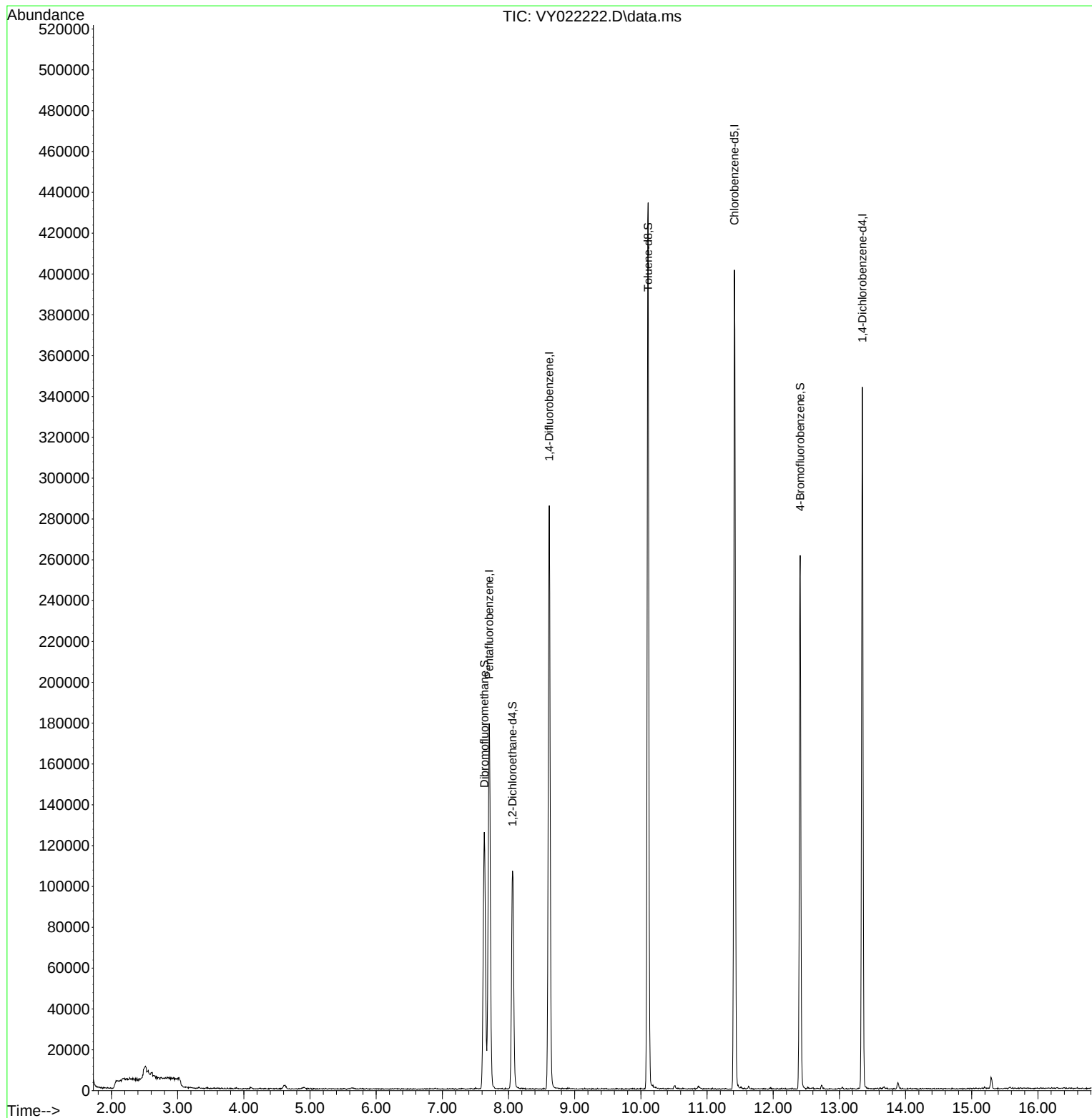
Target Compounds	Qvalue

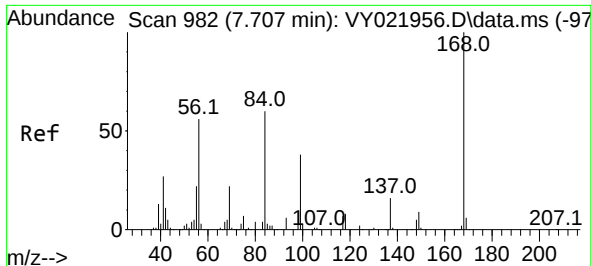
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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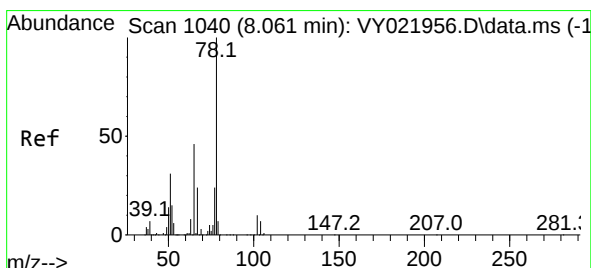
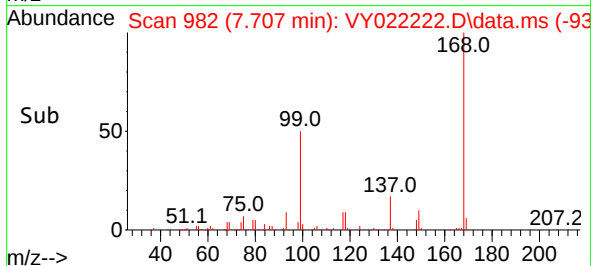
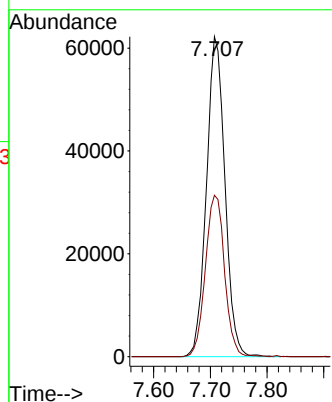
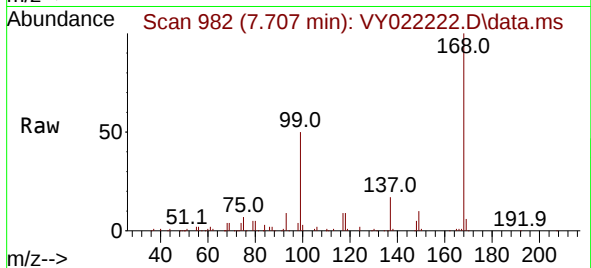




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

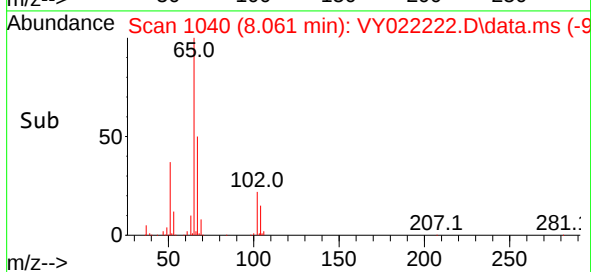
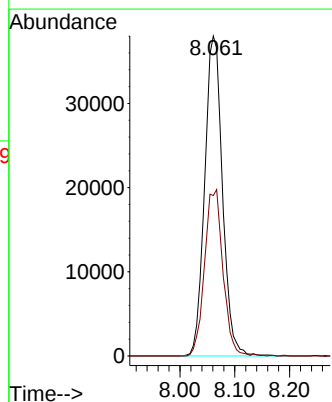
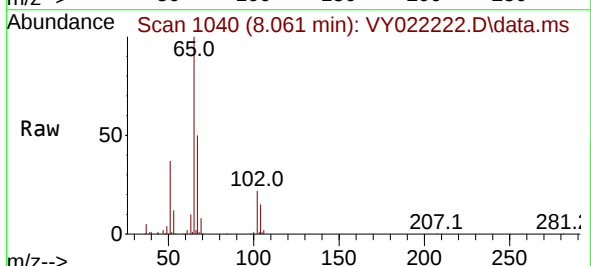
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-09

Tgt Ion:168 Resp: 140769
Ion Ratio Lower Upper
168 100
99 50.5 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 65.732 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

Tgt Ion: 65 Resp: 85469
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

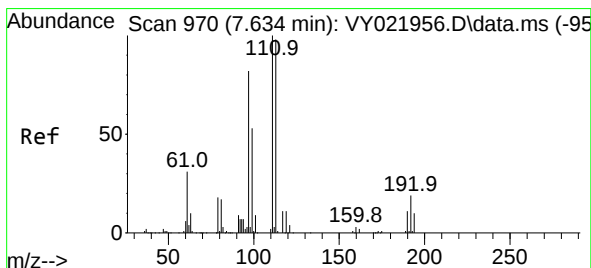
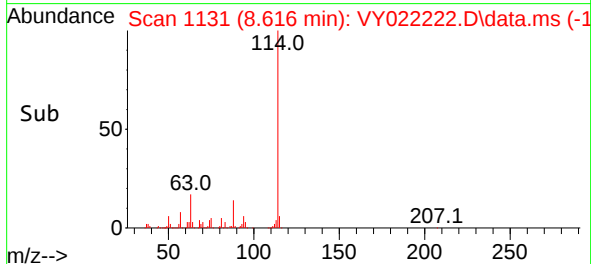
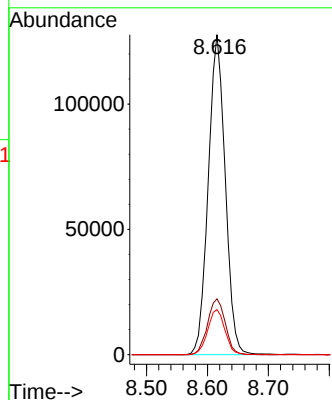
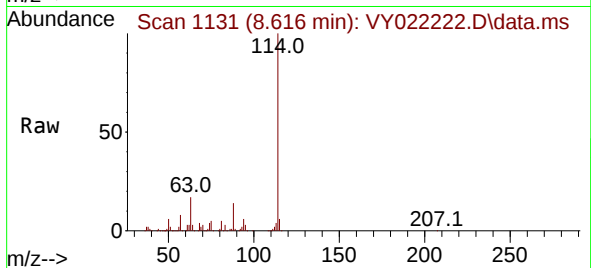




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

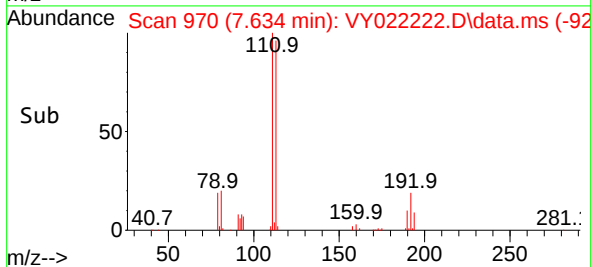
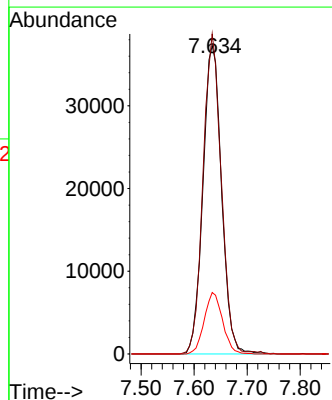
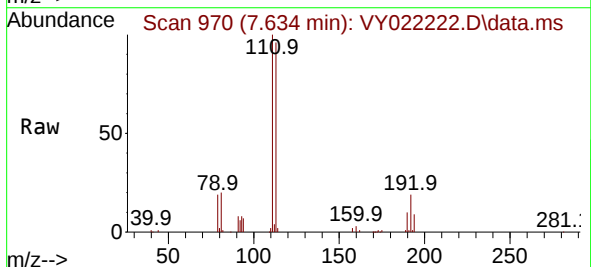
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-09

Tgt Ion:114 Resp: 247019
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.4
88 14.1 0.0 28.2



#35
Dibromofluoromethane
Concen: 55.795 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

Tgt Ion:113 Resp: 91054
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 19.6 15.6 23.4

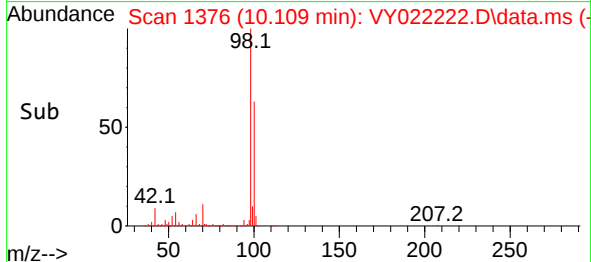
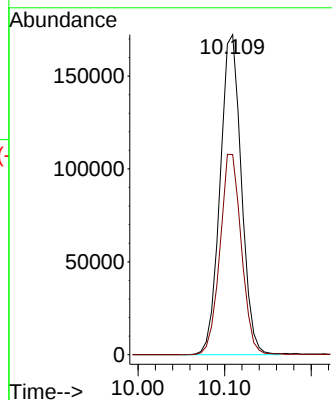
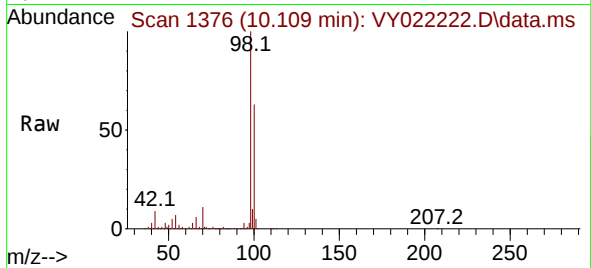




#50
Toluene-d8
Concen: 47.763 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

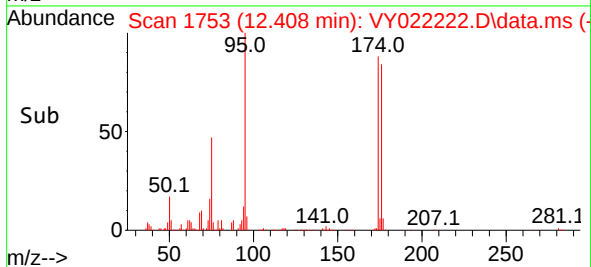
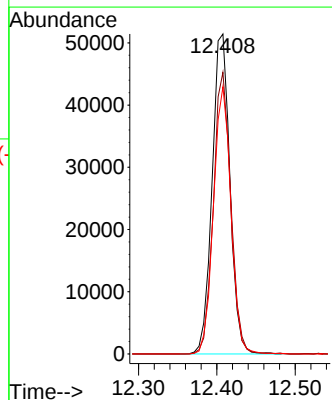
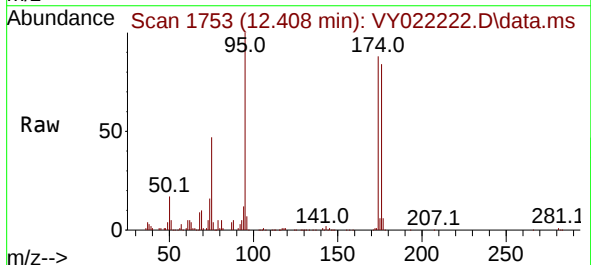
Instrument :
MSVOA_Y
ClientSampleId :
OR-636-VOC-09

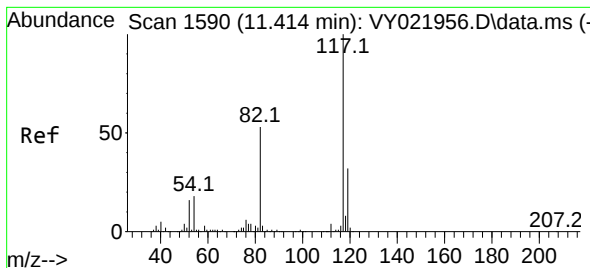
Tgt Ion: 98 Resp: 293855
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 39.178 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022222.D
Acq: 12 May 2025 14:17

Tgt Ion: 95 Resp: 81143
Ion Ratio Lower Upper
95 100
174 86.3 0.0 179.0
176 82.2 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022222.D

Acq: 12 May 2025 14:17

Instrument :

MSVOA_Y

ClientSampleId :

OR-636-VOC-09

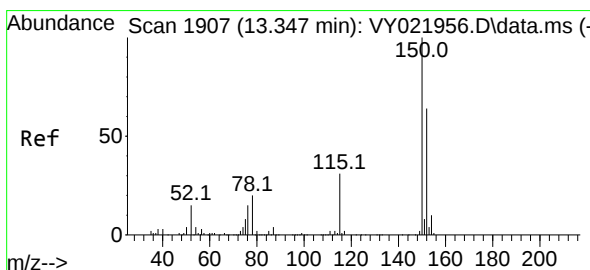
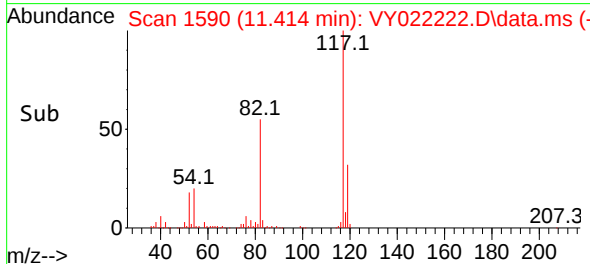
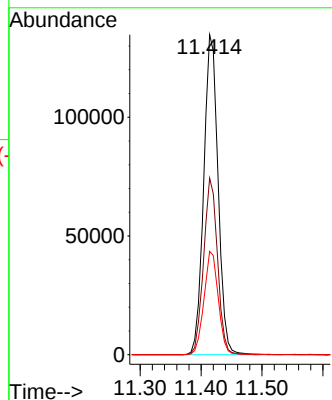
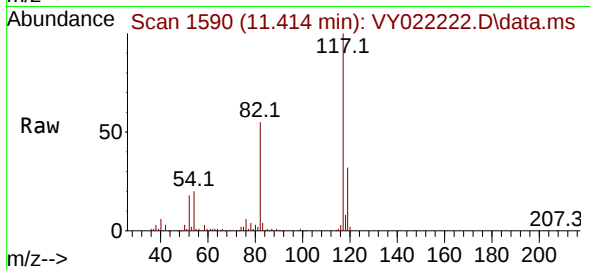
Tgt Ion:117 Resp: 220917

Ion Ratio Lower Upper

117 100

82 55.2 42.1 63.1

119 32.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022222.D

Acq: 12 May 2025 14:17

Tgt Ion:152 Resp: 88843

Ion Ratio Lower Upper

152 100

115 56.7 28.0 84.0

150 158.2 0.0 345.6

