

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022141.D
 Acq On : 02 May 2025 19:55
 Operator : SY/MD
 Sample : Q1937-12
 Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LARGE-PILE-F

Quant Time: May 03 02:53:43 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	339223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	630972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	525760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	170029	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	159620	50.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.880%
35) Dibromofluoromethane	7.628	113	206888	49.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.260%
50) Toluene-d8	10.103	98	748434	47.624	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.240%
62) 4-Bromofluorobenzene	12.401	95	190605	36.028	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.060%

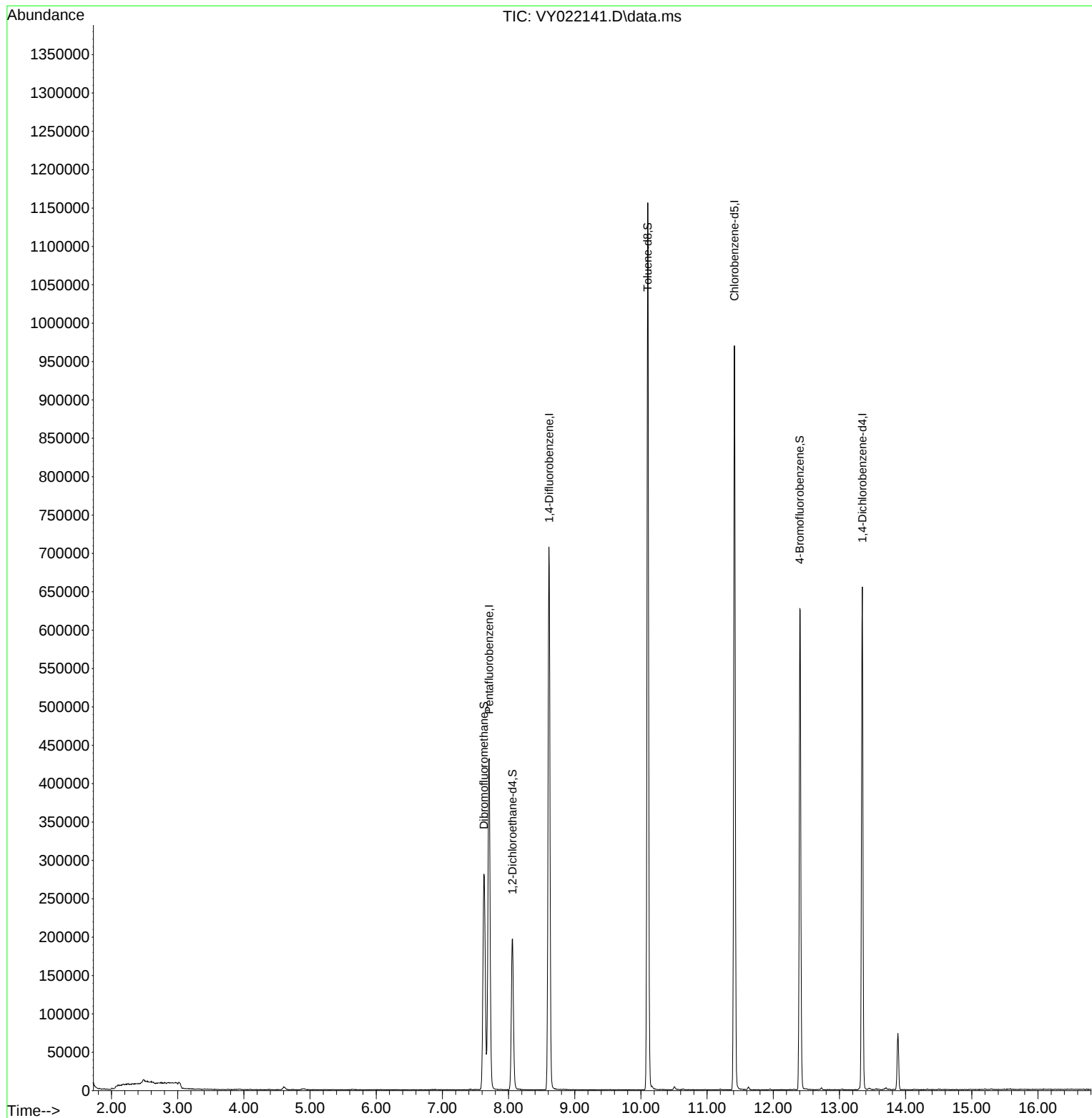
Target Compounds	Qvalue

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

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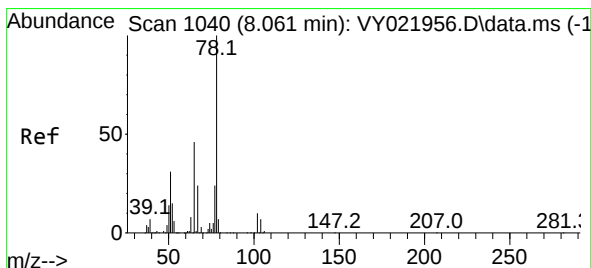
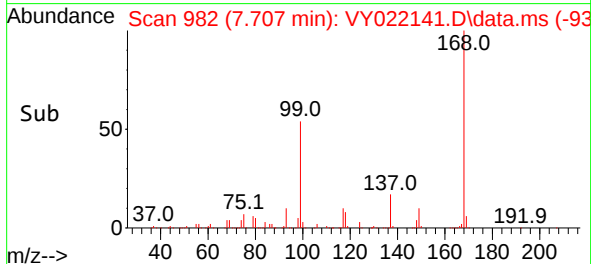
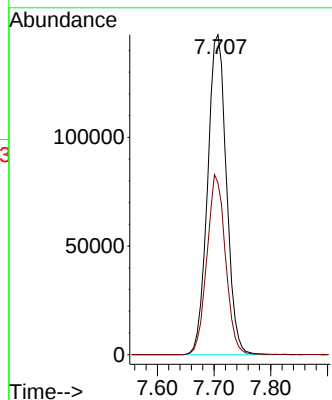
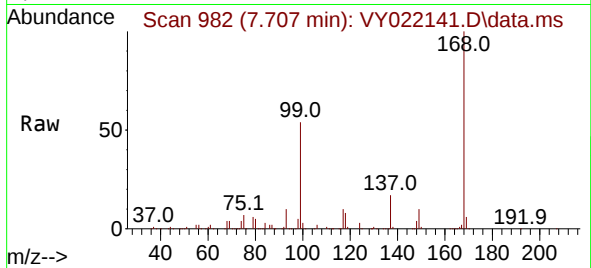




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022141.D
Acq: 02 May 2025 19:55

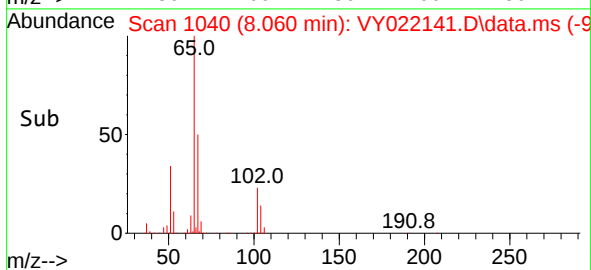
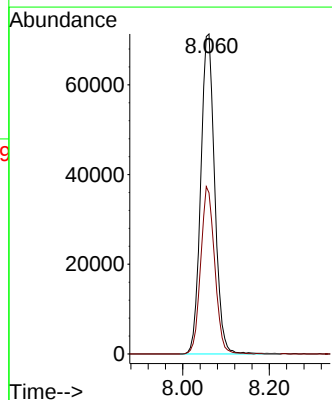
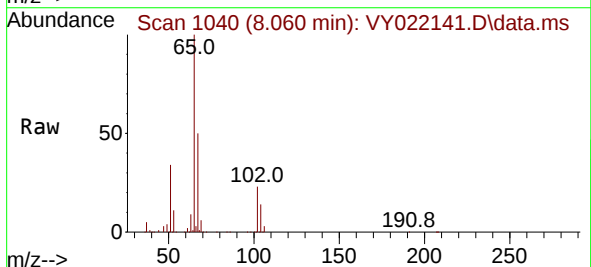
Instrument :
MSVOA_Y
ClientSampleId :
LARGE-PILE-F

Tgt Ion:168 Resp: 339223
Ion Ratio Lower Upper
168 100
99 53.6 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 50.942 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.001 min
Lab File: VY022141.D
Acq: 02 May 2025 19:55

Tgt Ion: 65 Resp: 159620
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.001 min

Lab File: VY022141.D

Acq: 02 May 2025 19:55

Instrument :

MSVOA_Y

ClientSampleId :

LARGE-PILE-F

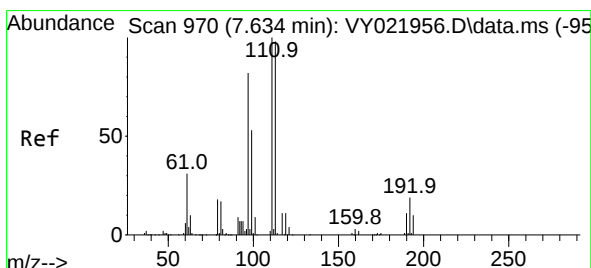
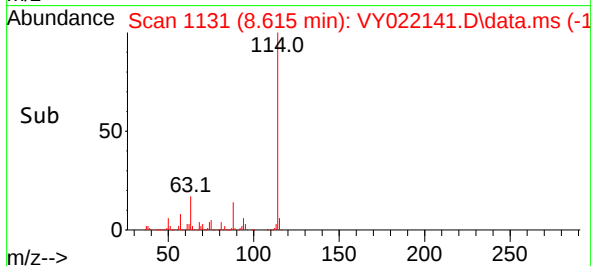
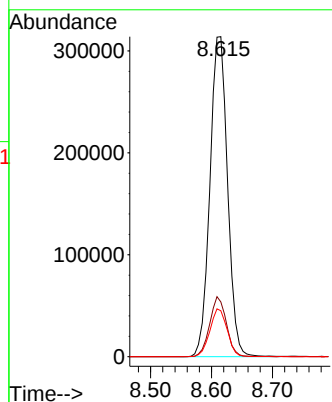
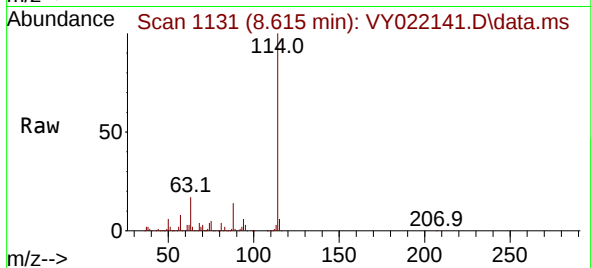
Tgt Ion:114 Resp: 630972

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.631 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.007 min

Lab File: VY022141.D

Acq: 02 May 2025 19:55

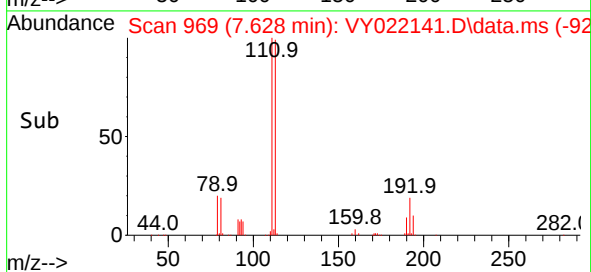
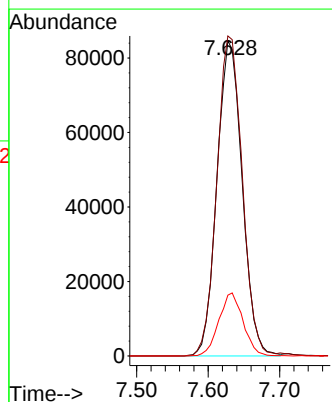
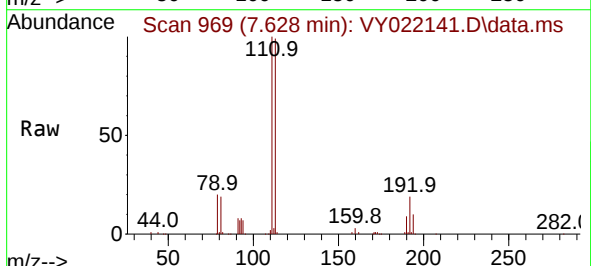
Tgt Ion:113 Resp: 206888

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 19.3 15.6 23.4

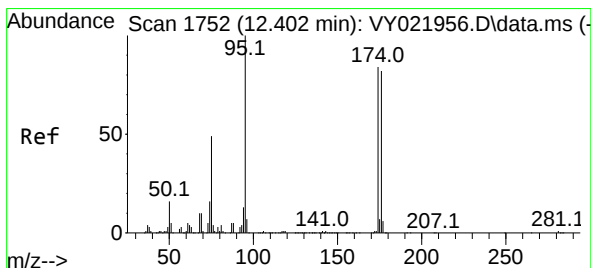
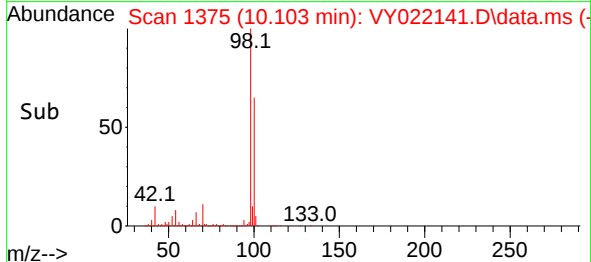
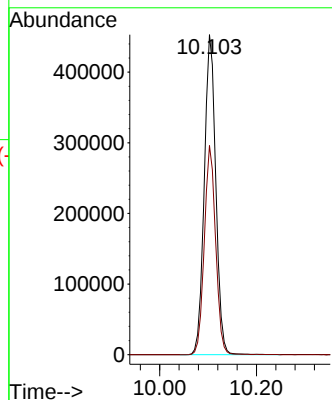
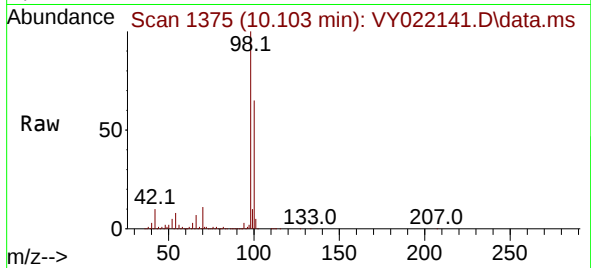




#50
Toluene-d8
Concen: 47.624 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.001 min
Lab File: VY022141.D
Acq: 02 May 2025 19:55

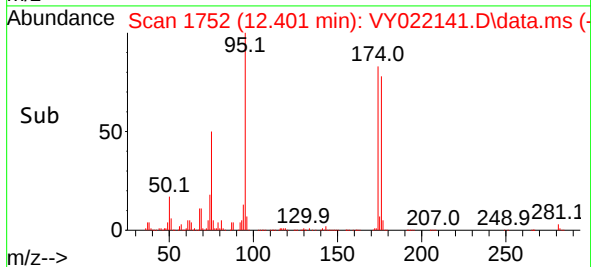
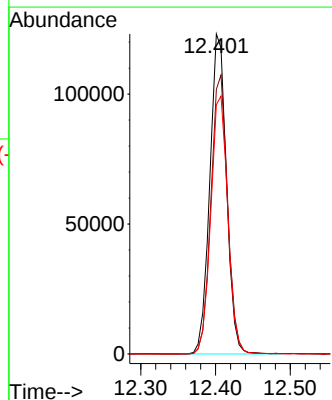
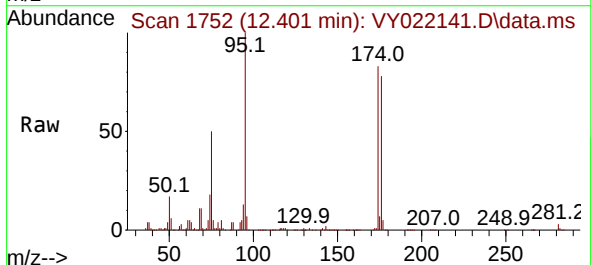
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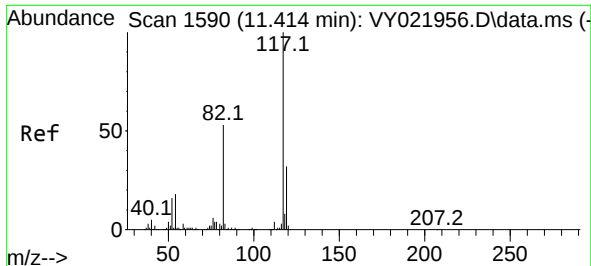
Tgt Ion: 98 Resp: 748434
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 36.028 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.001 min
Lab File: VY022141.D
Acq: 02 May 2025 19:55

Tgt Ion: 95 Resp: 190605
Ion Ratio Lower Upper
95 100
174 87.8 0.0 179.0
176 82.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY022141.D

Acq: 02 May 2025 19:55

Instrument :

MSVOA_Y

ClientSampleId :

LARGE-PILE-F

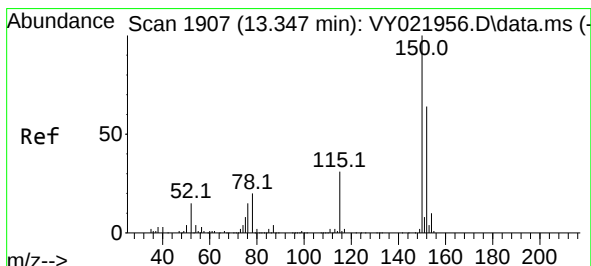
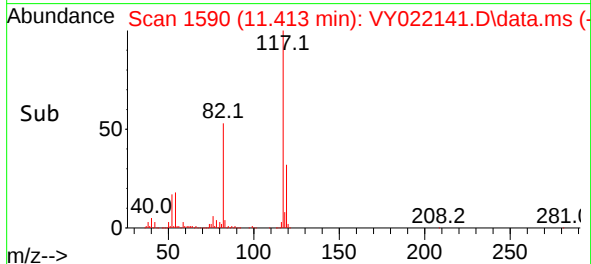
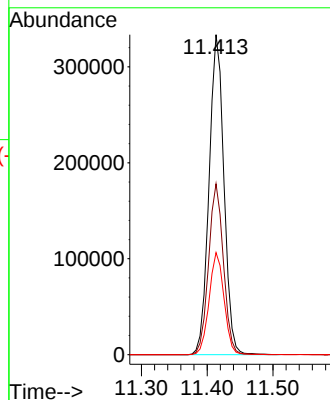
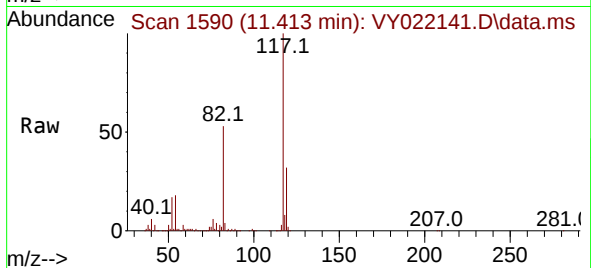
Tgt Ion:117 Resp: 525760

Ion Ratio Lower Upper

117 100

82 53.4 42.1 63.1

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.001 min

Lab File: VY022141.D

Acq: 02 May 2025 19:55

Tgt Ion:152 Resp: 170029

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

150 156.4 0.0 345.6

