

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021992.D
 Acq On : 24 Apr 2025 11:01
 Operator : SY/MD
 Sample : Q1853-01RE
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-04222025RE

Quant Time: Apr 24 14:11:18 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	114999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	170135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	126145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	35481	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	44155	41.568	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.140%
35) Dibromofluoromethane	7.634	113	59762	53.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.340%
50) Toluene-d8	10.109	98	191523	45.197	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.400%
62) 4-Bromofluorobenzene	12.408	95	39530	27.711	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.420%

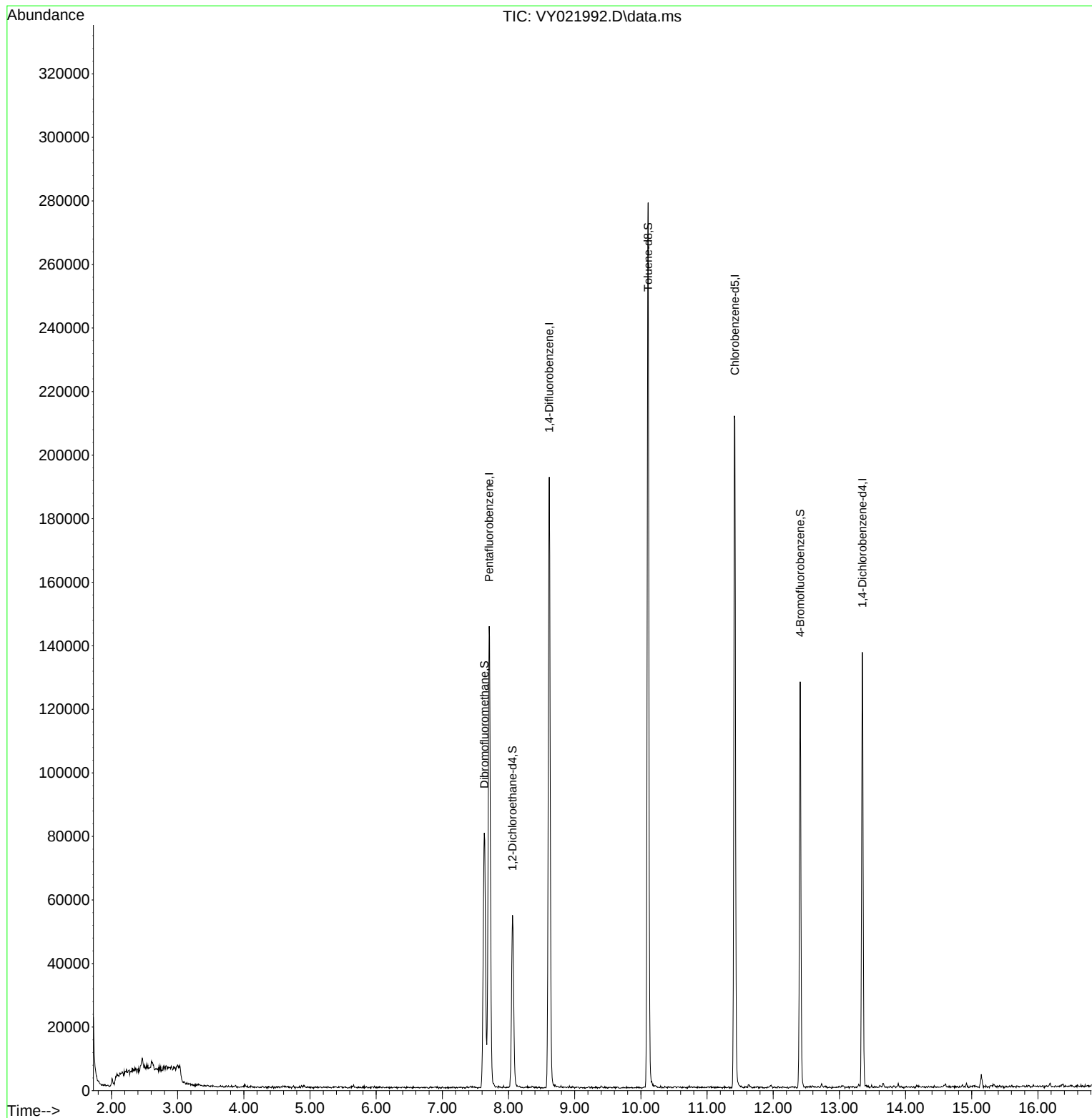
Target Compounds	Qvalue

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

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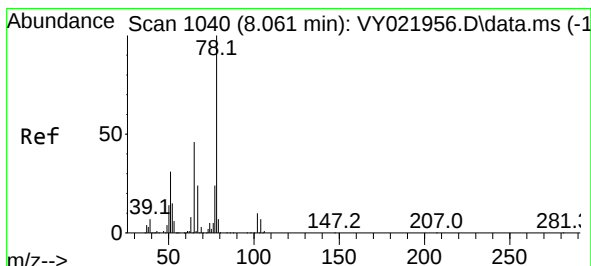
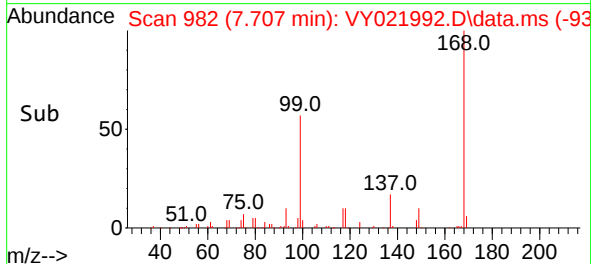
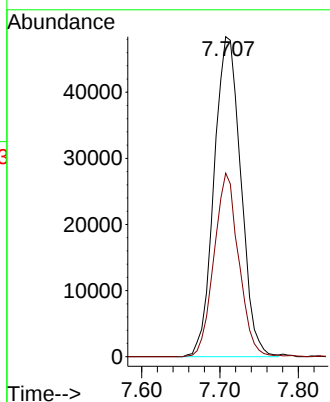
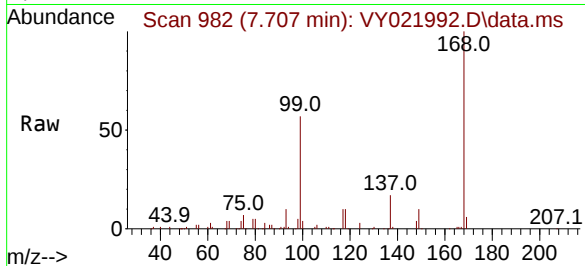




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021992.D
Acq: 24 Apr 2025 11:01

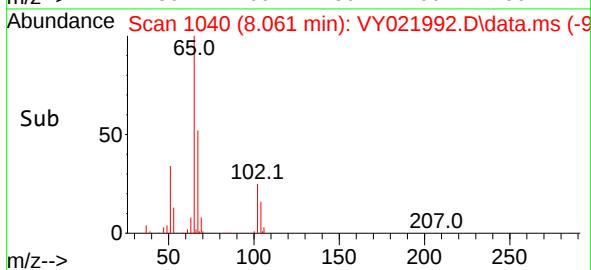
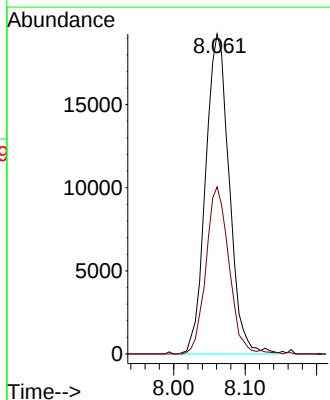
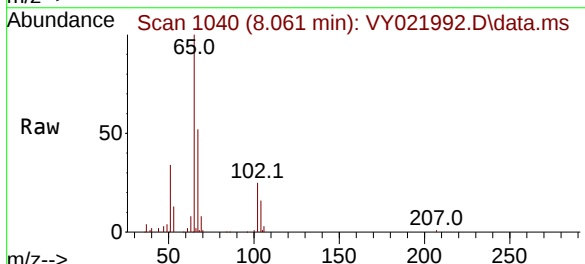
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-04222025RE

Tgt Ion:168 Resp: 114999
Ion Ratio Lower Upper
168 100
99 57.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 41.568 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021992.D
Acq: 24 Apr 2025 11:01

Tgt Ion: 65 Resp: 44155
Ion Ratio Lower Upper
65 100
67 51.0 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: VY021992.D

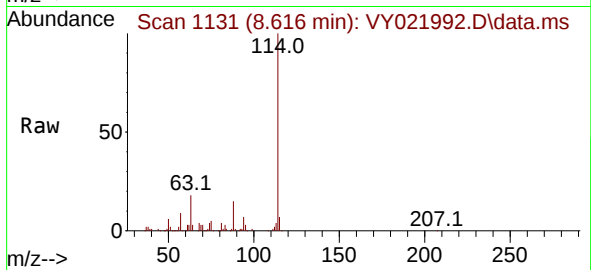
Acq: 24 Apr 2025 11:01

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-04222025RE



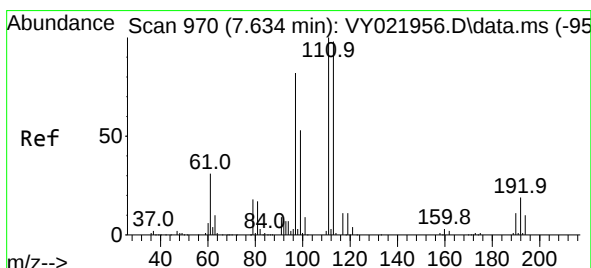
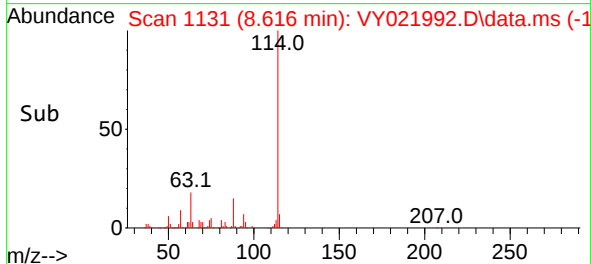
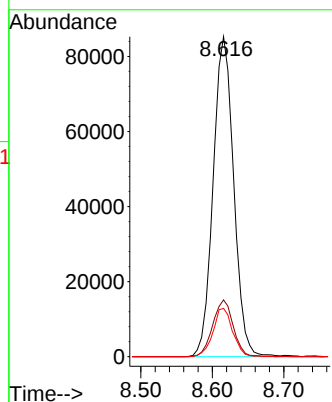
Tgt Ion:114 Resp: 170135

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 15.1 0.0 28.2



#35

Dibromofluoromethane

Concen: 53.169 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021992.D

Acq: 24 Apr 2025 11:01

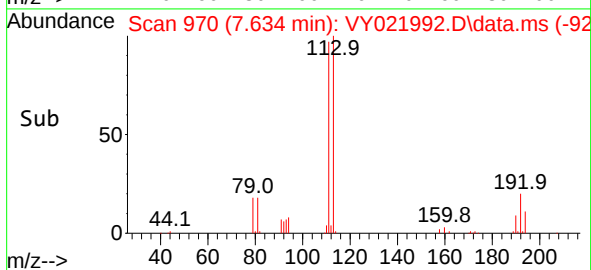
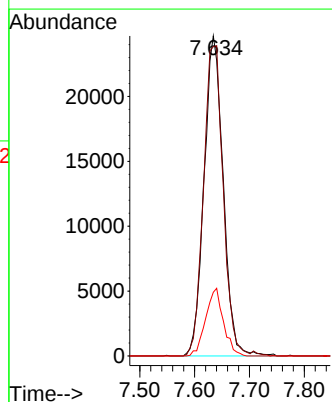
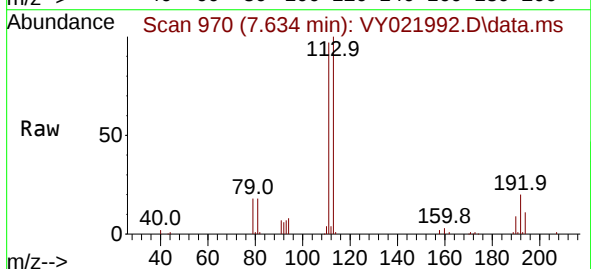
Tgt Ion:113 Resp: 59762

Ion Ratio Lower Upper

113 100

111 99.3 81.8 122.8

192 19.6 15.6 23.4

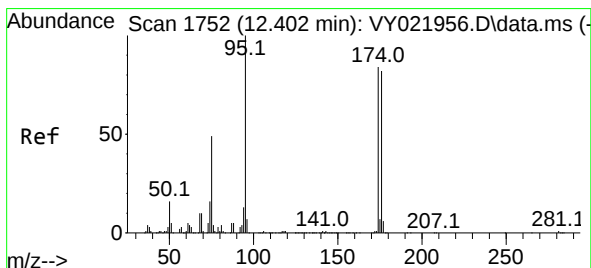
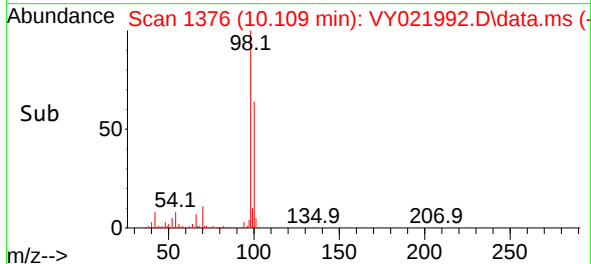
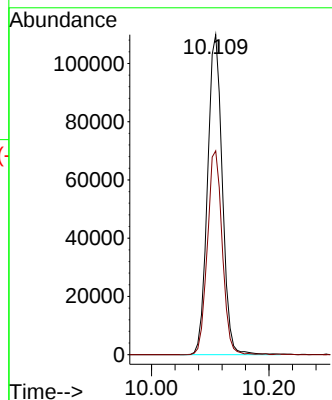
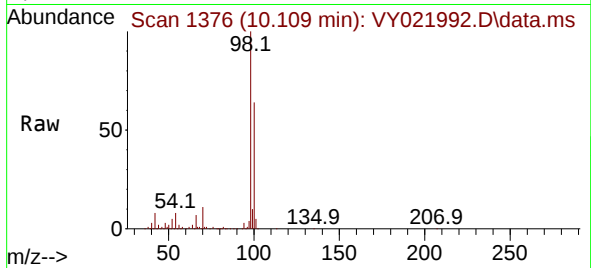




#50
Toluene-d8
Concen: 45.197 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021992.D
Acq: 24 Apr 2025 11:01

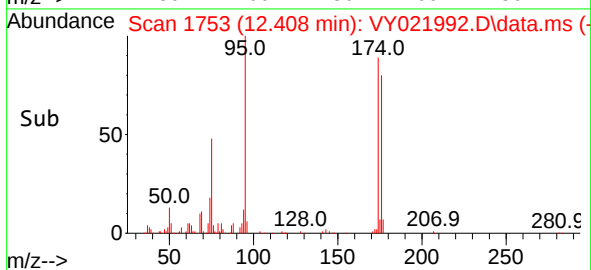
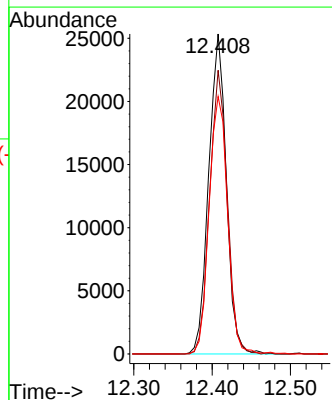
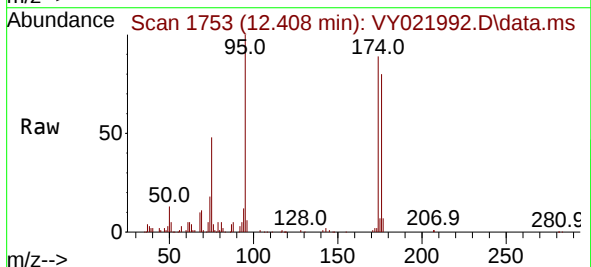
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MSVOA_Y
ClientSampleId :
EO-02-04222025RE

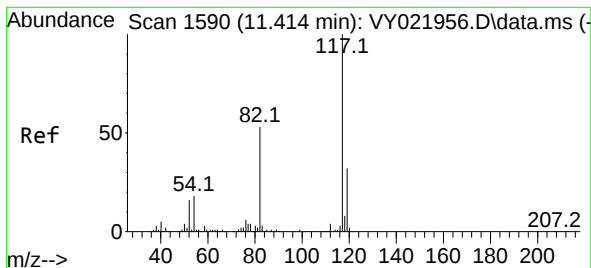
Tgt Ion: 98 Resp: 191523
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 27.711 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021992.D
Acq: 24 Apr 2025 11:01

Tgt Ion: 95 Resp: 39530
Ion Ratio Lower Upper
95 100
174 88.7 0.0 179.0
176 84.1 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021992.D

Acq: 24 Apr 2025 11:01

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-04222025RE

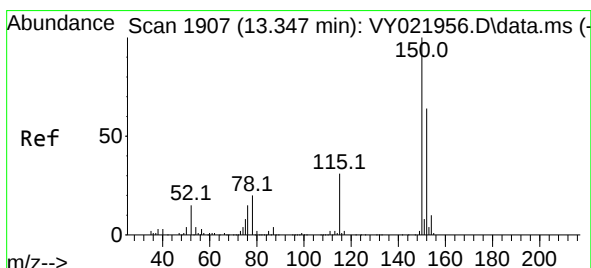
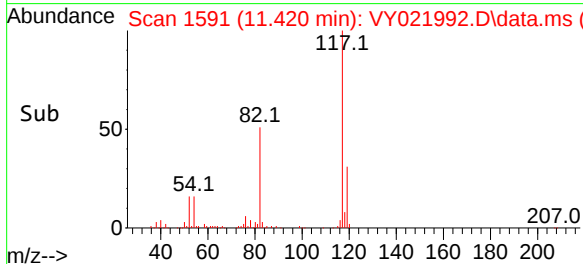
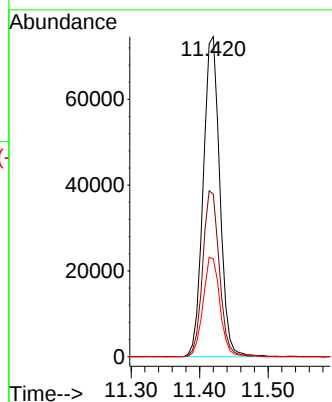
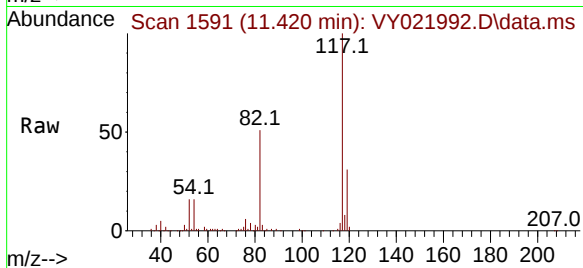
Tgt Ion:117 Resp: 126145

Ion Ratio Lower Upper

117 100

82 50.8 42.1 63.1

119 30.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021992.D

Acq: 24 Apr 2025 11:01

Tgt Ion:152 Resp: 35481

Ion Ratio Lower Upper

152 100

115 60.7 28.0 84.0

150 160.0 0.0 345.6

