

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022042.D
 Acq On : 28 Apr 2025 19:23
 Operator : SY/MD
 Sample : Q1902-01
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 343

Quant Time: Apr 29 03:56:25 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	140504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	219948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	165757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	53405	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	56281	43.366	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.740%
35) Dibromofluoromethane	7.628	113	73577	50.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.260%
50) Toluene-d8	10.109	98	250927	45.805	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.620%
62) 4-Bromofluorobenzene	12.407	95	54604	29.609	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.220%

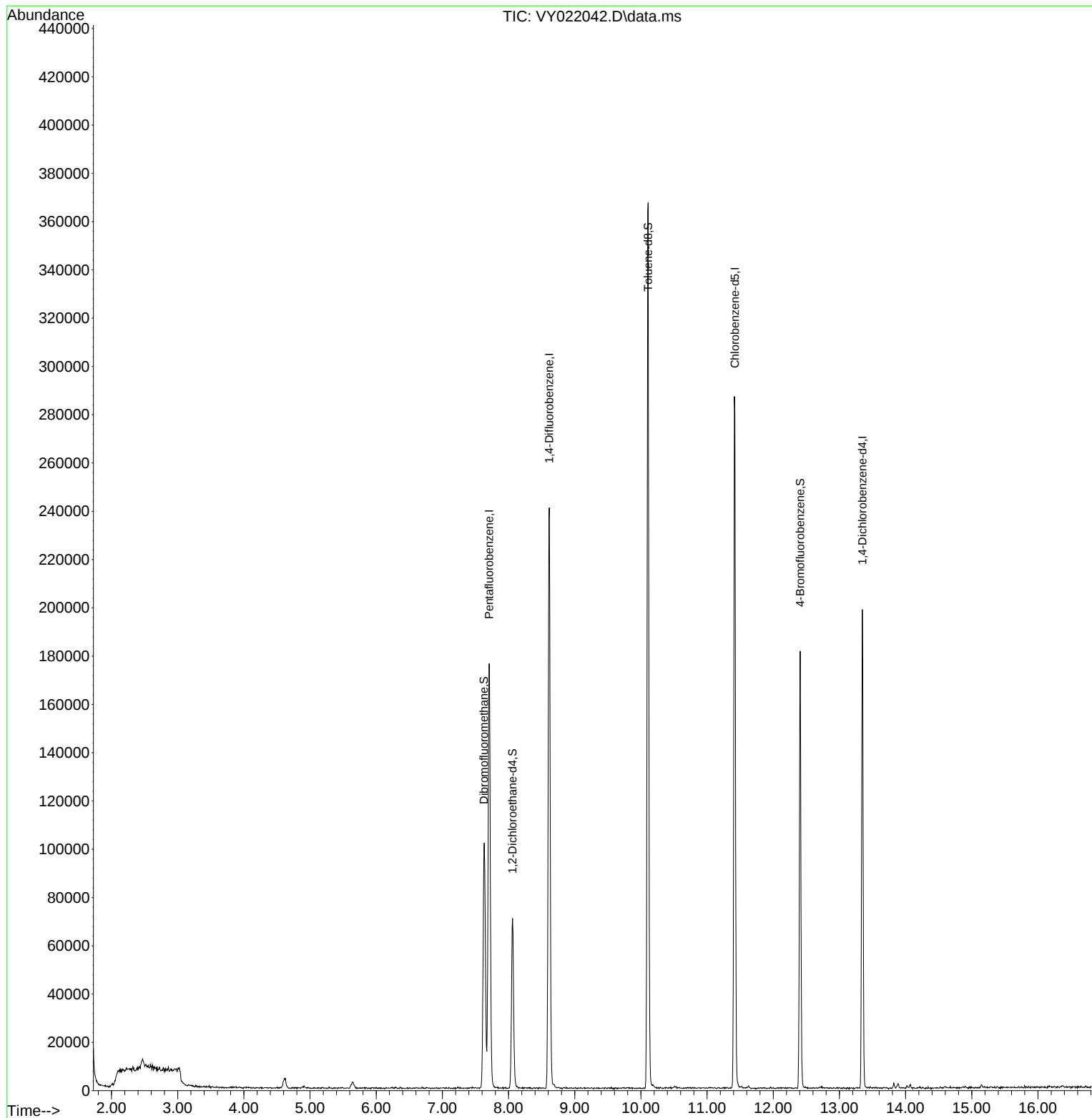
Target Compounds	Qvalue

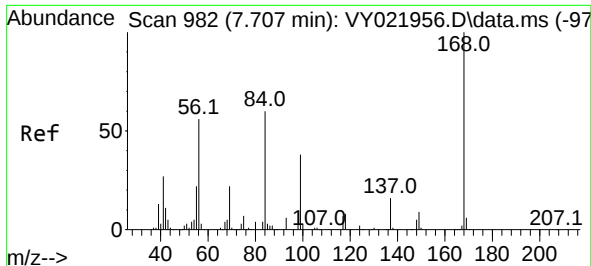
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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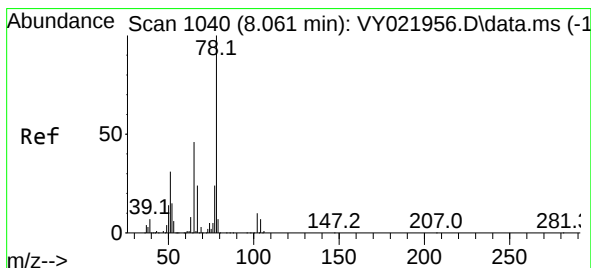
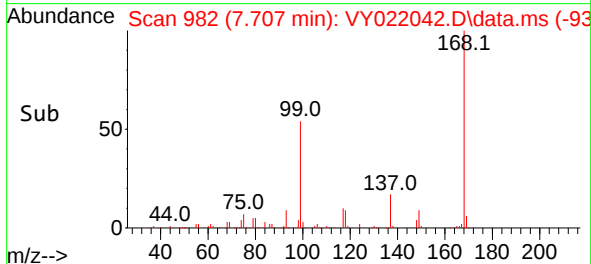
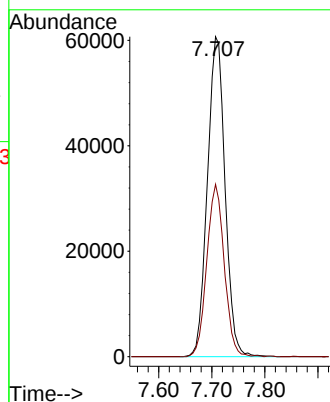
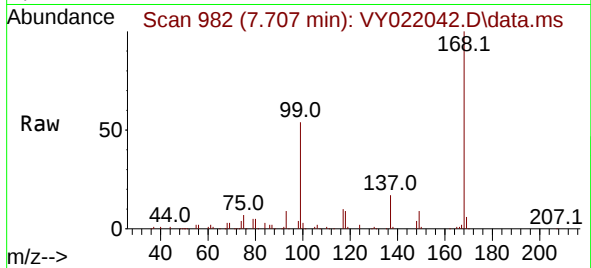




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

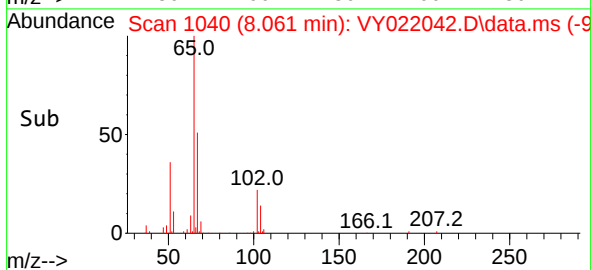
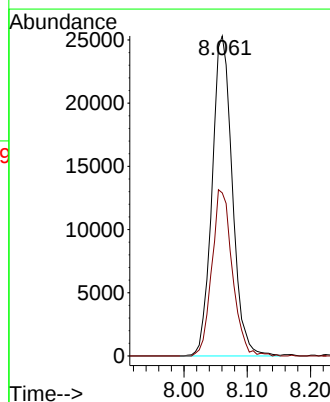
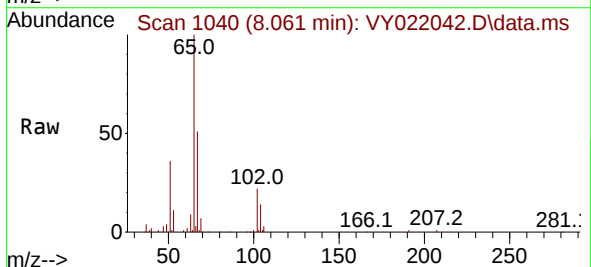
Instrument :
MSVOA_Y
ClientSampleId :
343

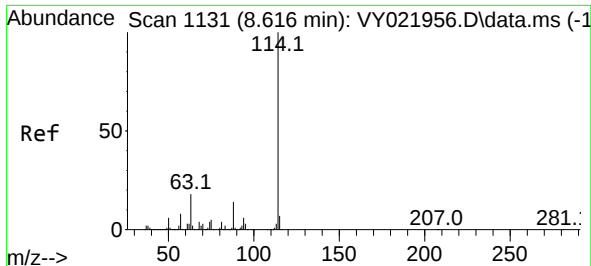
Tgt Ion:168 Resp: 140504
Ion Ratio Lower Upper
168 100
99 53.8 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 43.366 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

Tgt Ion: 65 Resp: 56281
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022042.D

Acq: 28 Apr 2025 19:23

Instrument :

MSVOA_Y

ClientSampleId :

343

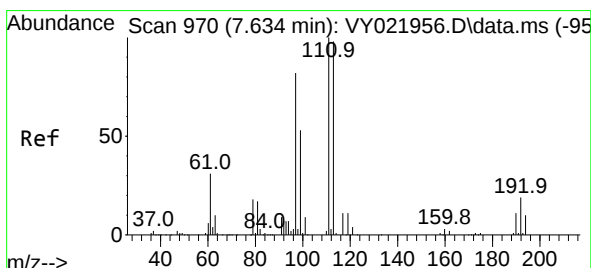
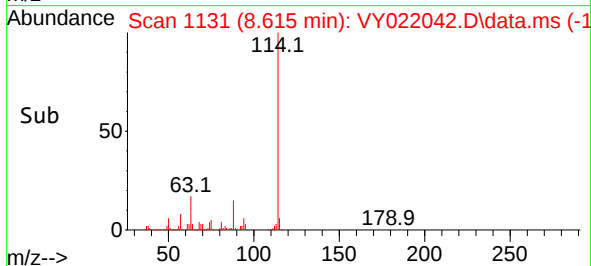
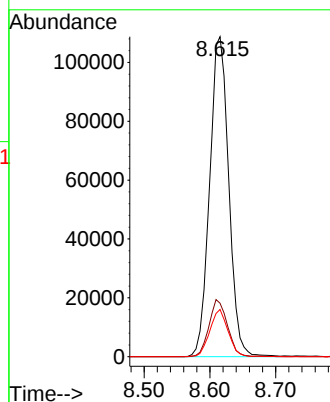
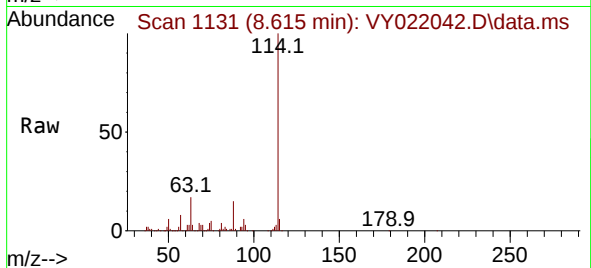
Tgt Ion:114 Resp: 219948

Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.635 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022042.D

Acq: 28 Apr 2025 19:23

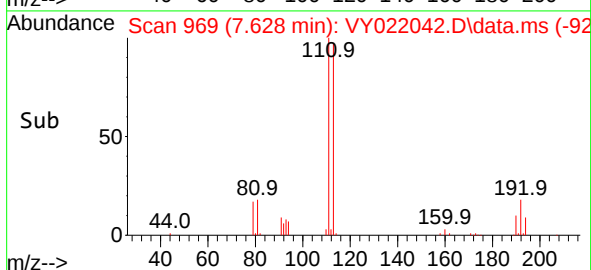
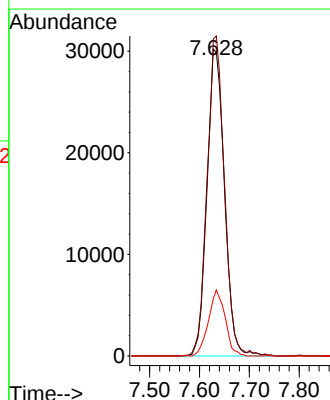
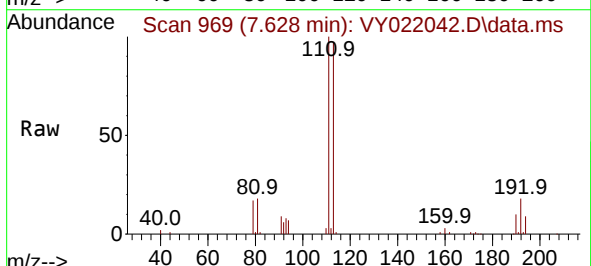
Tgt Ion:113 Resp: 73577

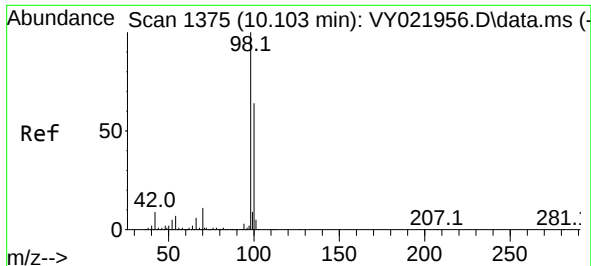
Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

192 20.6 15.6 23.4

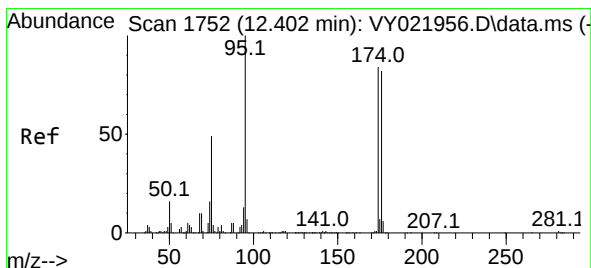
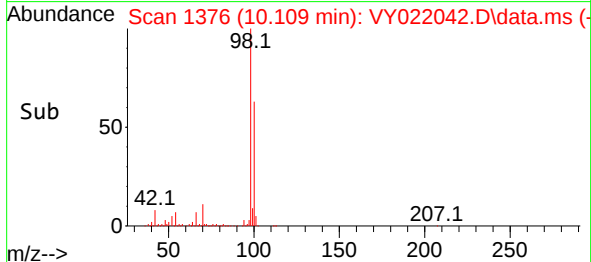
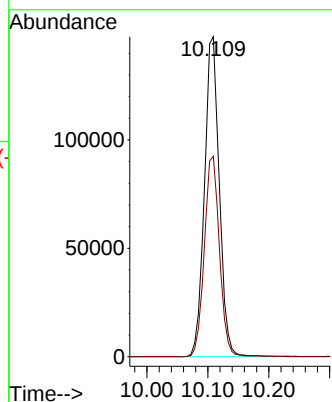
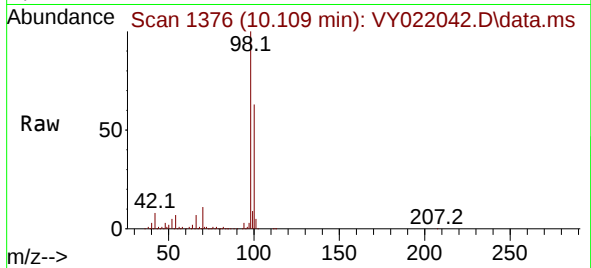




#50
Toluene-d8
Concen: 45.805 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

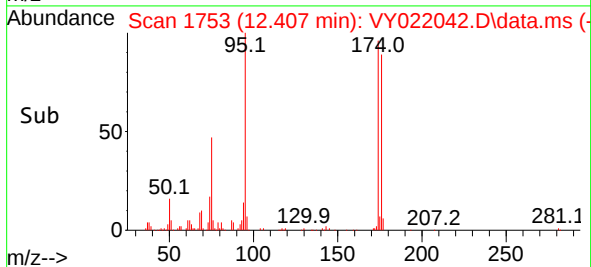
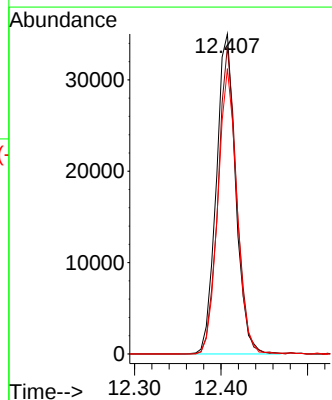
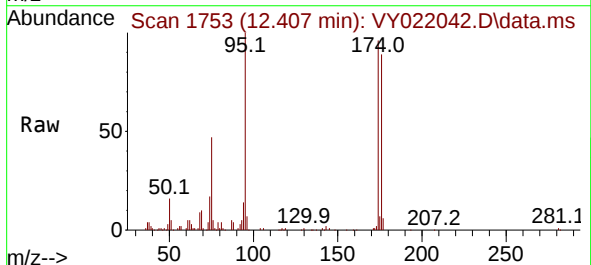
Instrument :
MSVOA_Y
ClientSampleId :
343

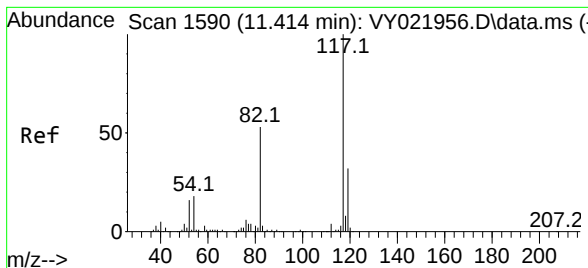
Tgt Ion: 98 Resp: 250927
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 29.609 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022042.D
Acq: 28 Apr 2025 19:23

Tgt Ion: 95 Resp: 54604
Ion Ratio Lower Upper
95 100
174 91.8 0.0 179.0
176 87.3 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 117

Delta R.T. 0.006 min

Lab File: VY022042.D

Acq: 28 Apr 2025 19:23

Instrument :

MSVOA_Y

ClientSampleId :

343

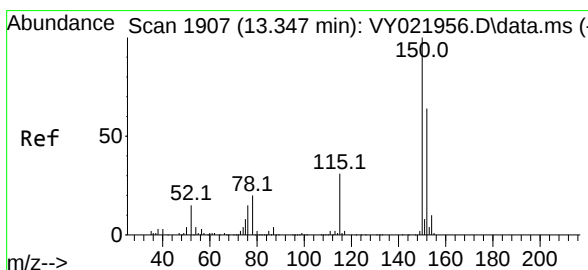
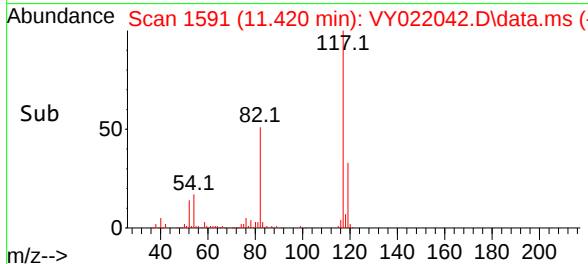
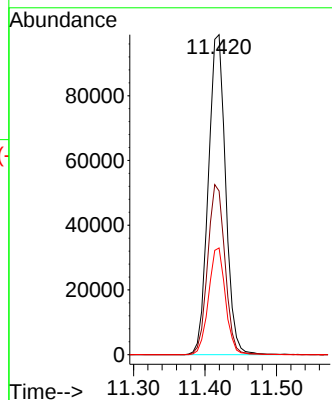
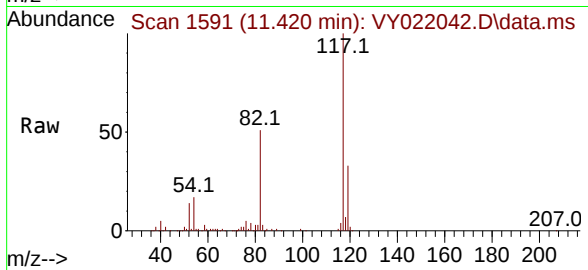
Tgt Ion:117 Resp: 165757

Ion Ratio Lower Upper

117 100

82 51.1 42.1 63.1

119 33.4 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: VY022042.D

Acq: 28 Apr 2025 19:23

Tgt Ion:152 Resp: 53405

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

150 152.7 0.0 345.6

