

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022084.D
 Acq On : 30 Apr 2025 15:55
 Operator : SY/MD
 Sample : Q1883-15
 Misc : 14.16g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-19-042325

Quant Time: May 01 01:37:23 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	273736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	527033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	495256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	197305	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	148722	58.819	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.640%
35) Dibromofluoromethane	7.628	113	184998	53.132	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.260%
50) Toluene-d8	10.103	98	652921	49.740	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.480%
62) 4-Bromofluorobenzene	12.401	95	188005	42.545	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.100%

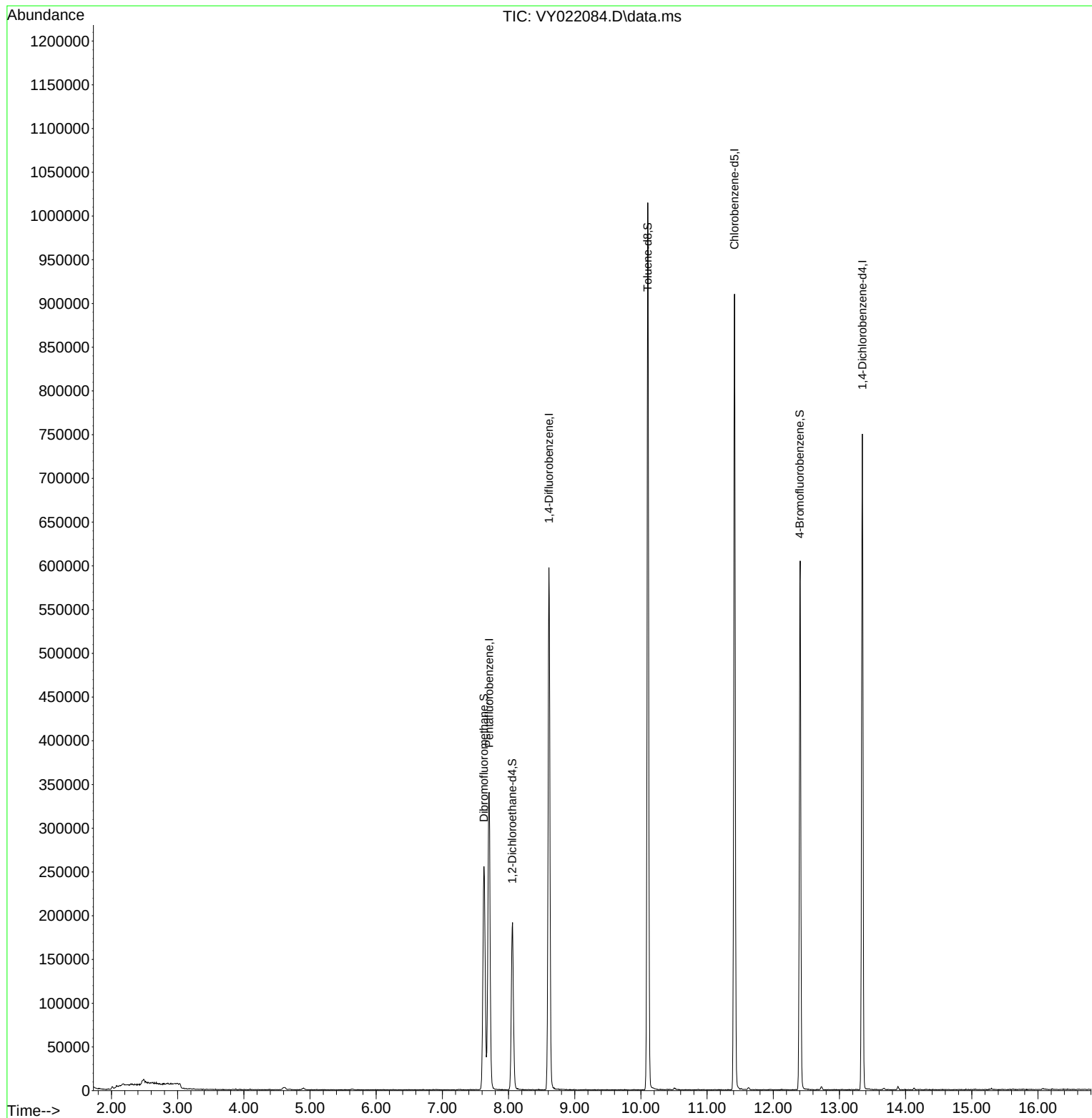
Target Compounds	Qvalue

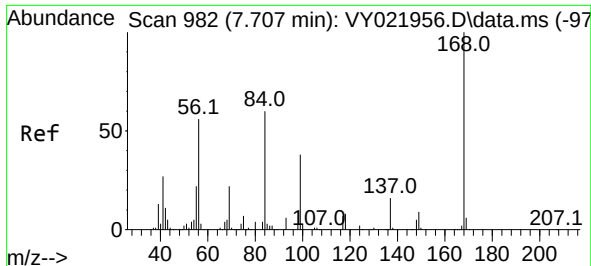
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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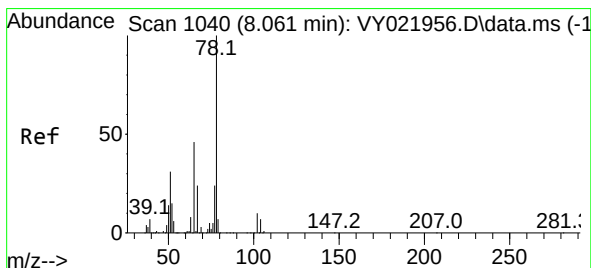
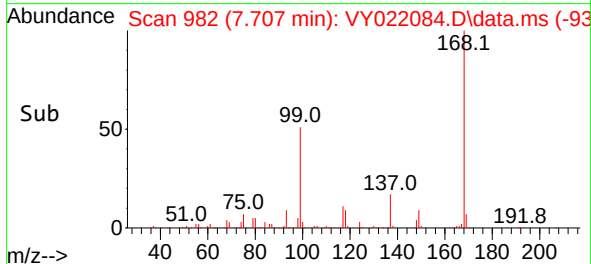
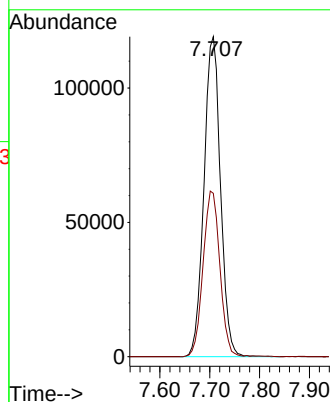
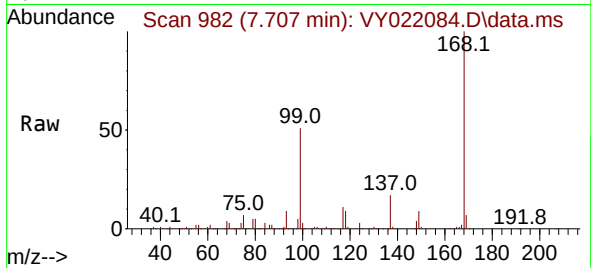




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

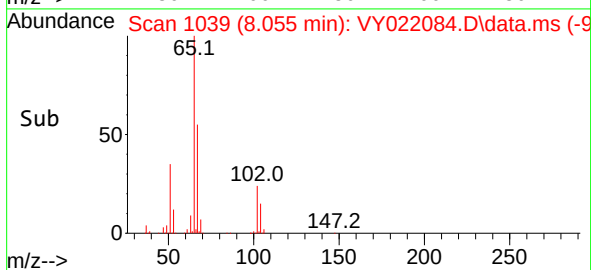
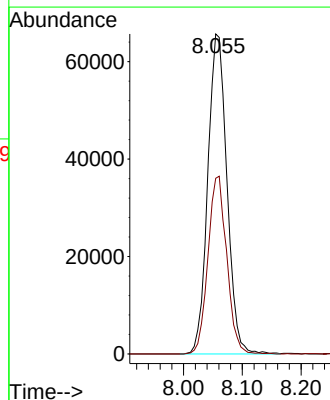
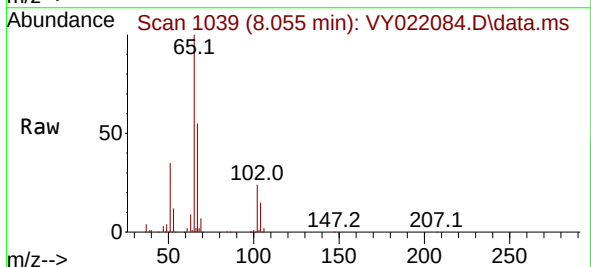
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-19-042325

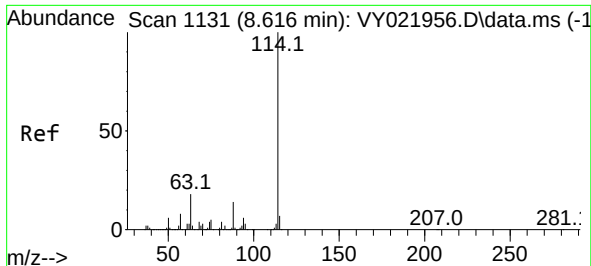
Tgt Ion:168 Resp: 273736
Ion Ratio Lower Upper
168 100
99 51.0 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 58.819 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Tgt Ion: 65 Resp: 148722
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022084.D

Acq: 30 Apr 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-19-042325

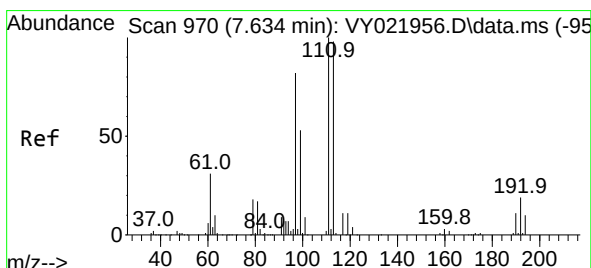
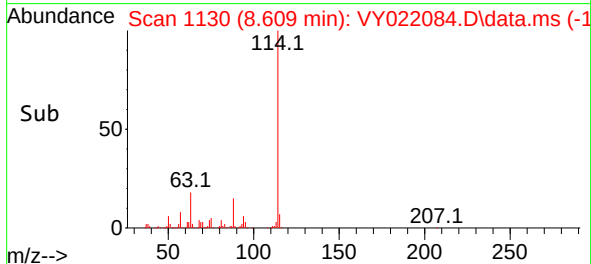
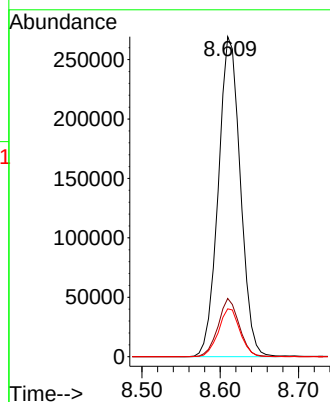
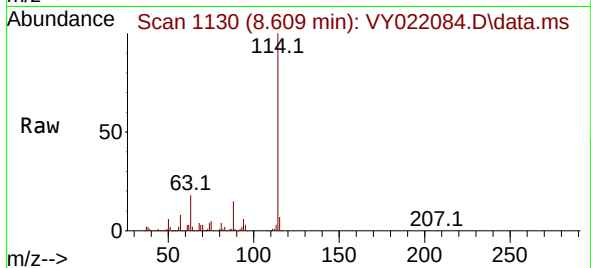
Tgt Ion:114 Resp: 527033

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 15.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 53.132 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022084.D

Acq: 30 Apr 2025 15:55

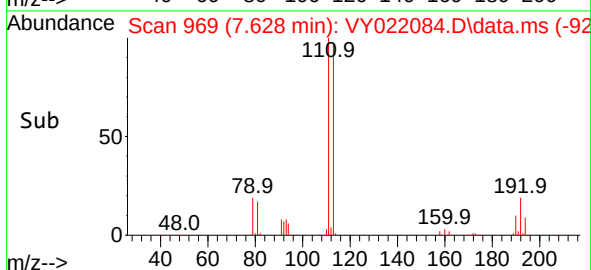
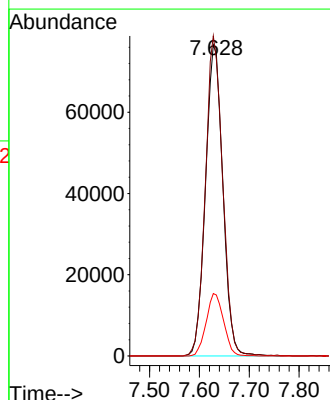
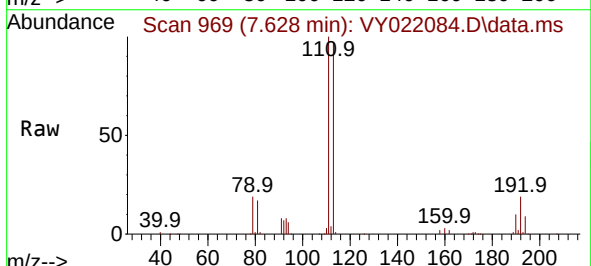
Tgt Ion:113 Resp: 184998

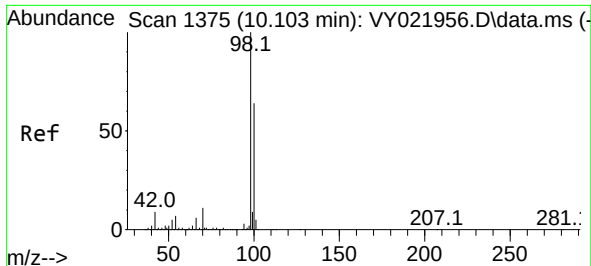
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 20.1 15.6 23.4

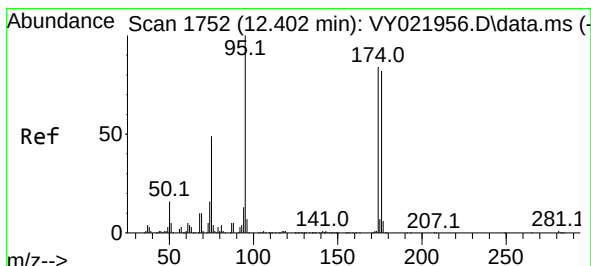
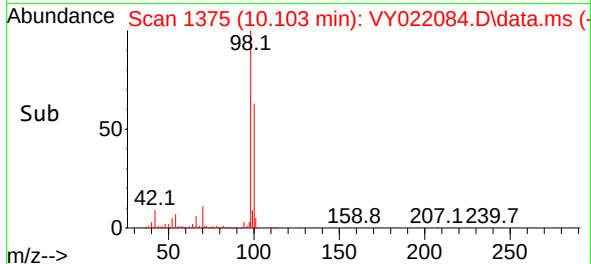
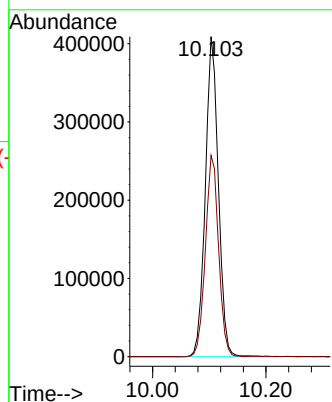
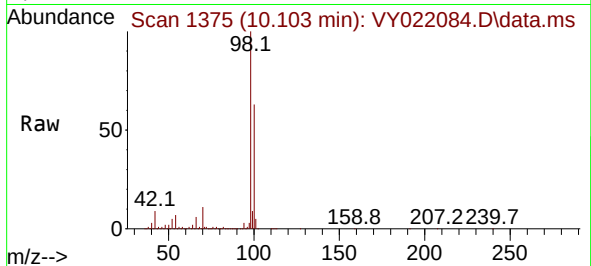




#50
Toluene-d8
Concen: 49.740 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

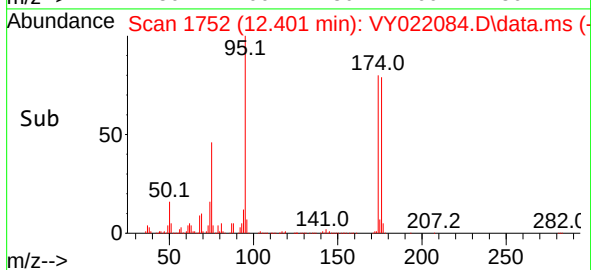
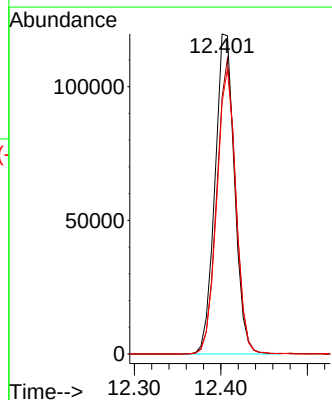
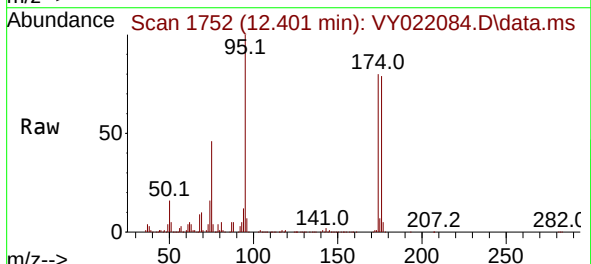
Instrument :
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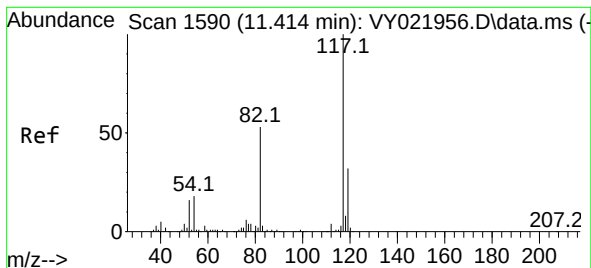
Tgt Ion: 98 Resp: 652921
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.545 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Tgt Ion: 95 Resp: 188005
Ion Ratio Lower Upper
95 100
174 89.1 0.0 179.0
176 87.1 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: VY022084.D

Acq: 30 Apr 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-19-042325

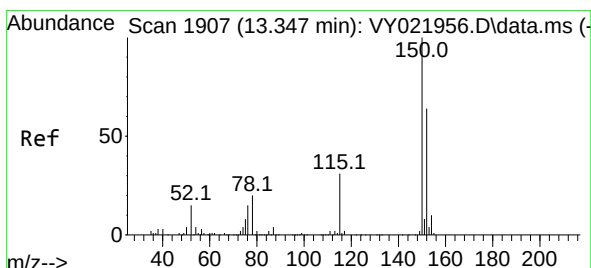
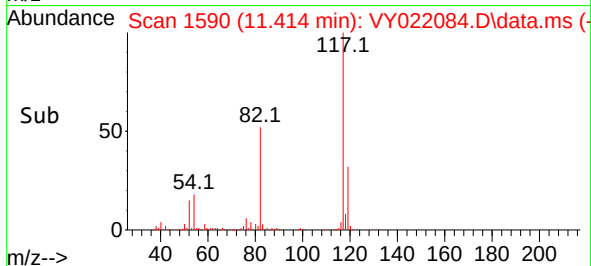
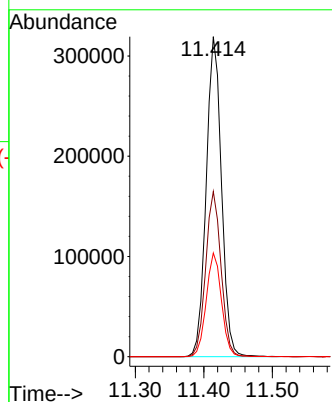
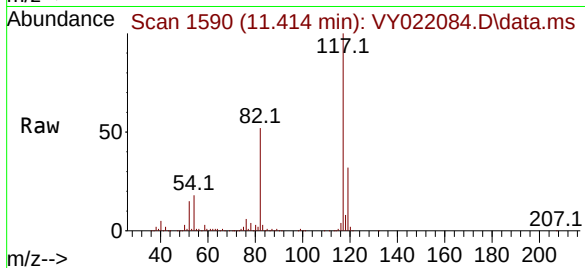
Tgt Ion:117 Resp: 495256

Ion Ratio Lower Upper

117 100

82 51.6 42.1 63.1

119 32.4 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: VY022084.D

Acq: 30 Apr 2025 15:55

Tgt Ion:152 Resp: 197305

Ion Ratio Lower Upper

152 100

115 55.6 28.0 84.0

150 157.4 0.0 345.6

