

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021908.D
 Acq On : 17 Apr 2025 14:05
 Operator : SY/MD
 Sample : Q1825-01
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9

Quant Time: Apr 18 03:58:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	225053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	422248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	360925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	137457	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	118375	48.547	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.100%
35) Dibromofluoromethane	7.634	113	139342	50.872	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.740%
50) Toluene-d8	10.103	98	510748	49.015	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.040%
62) 4-Bromofluorobenzene	12.408	95	140002	39.721	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.440%

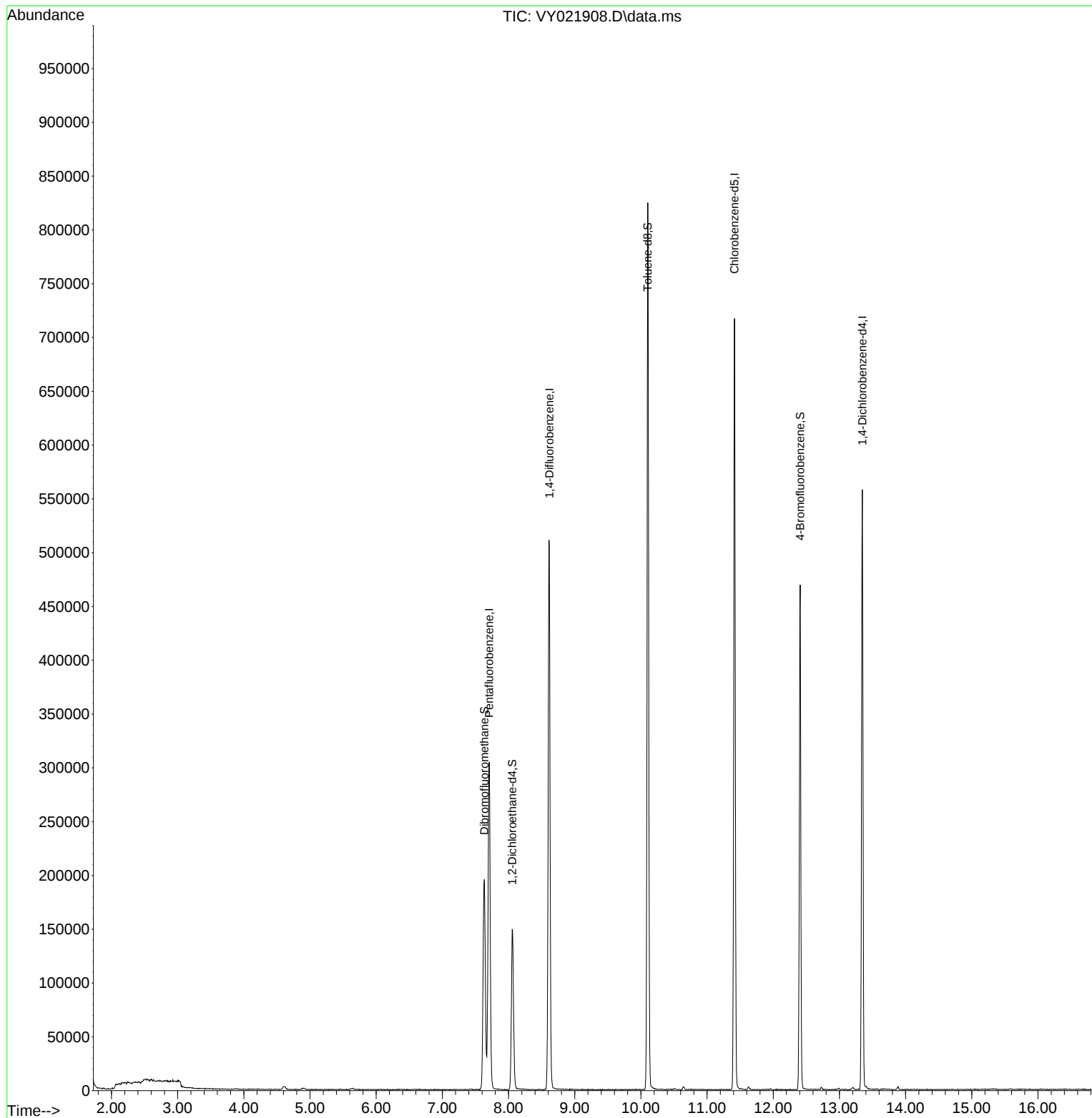
Target Compounds	Qvalue

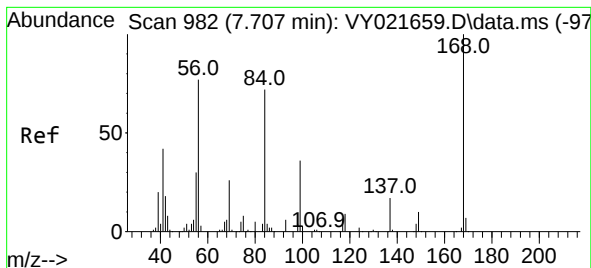
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY021908.D

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Instrument :

MSVOA_Y

ClientSampleId :

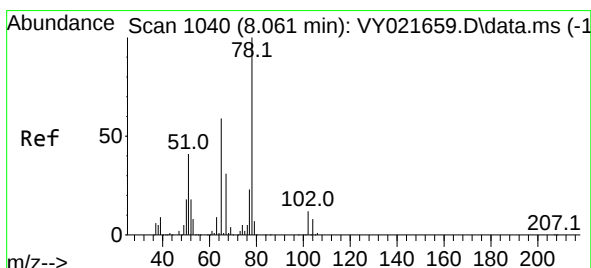
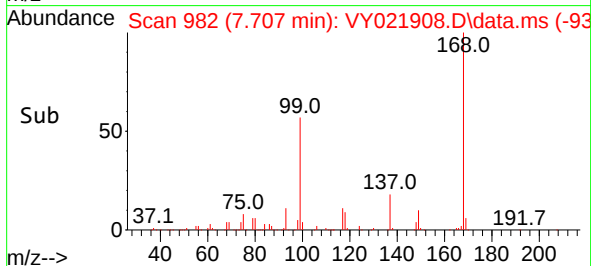
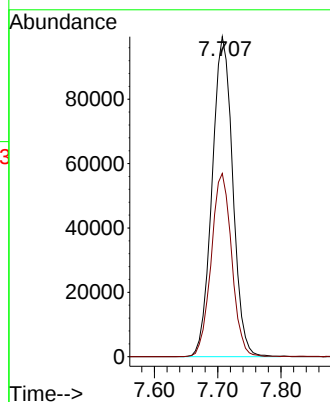
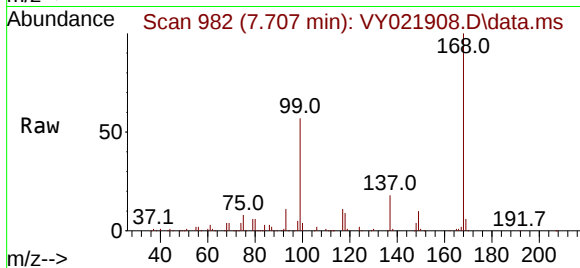
TP-9

Tgt Ion:168 Resp: 225053

Ion Ratio Lower Upper

168 100

99 57.2 46.7 70.1



#33

1,2-Dichloroethane-d4

Concen: 48.547 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY021908.D

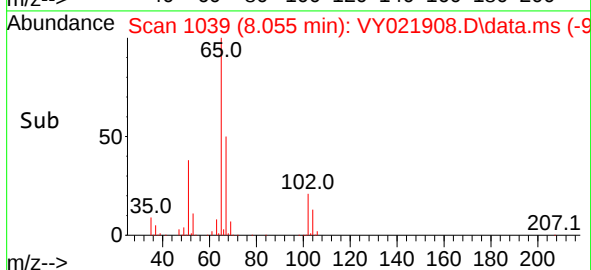
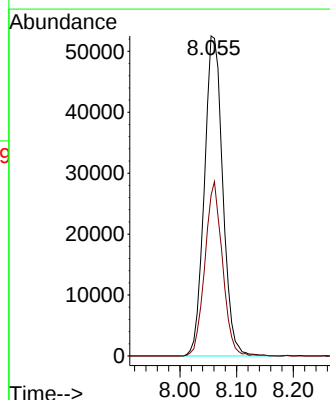
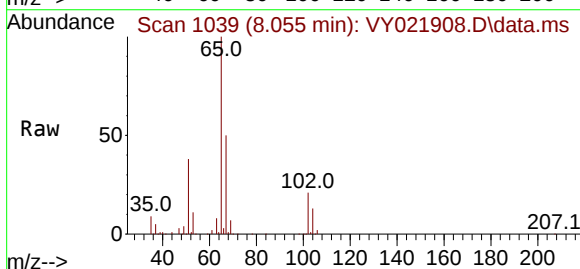
Acq: 17 Apr 2025 14:05

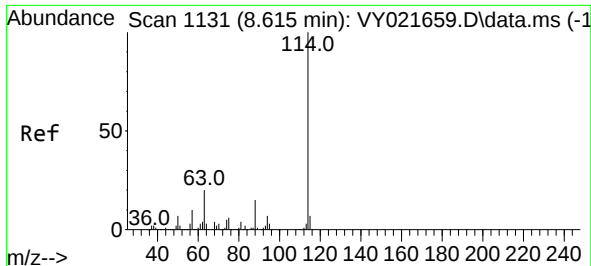
Tgt Ion: 65 Resp: 118375

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021908.D

Acq: 17 Apr 2025 14:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-9

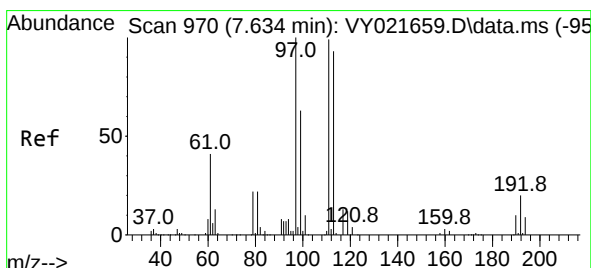
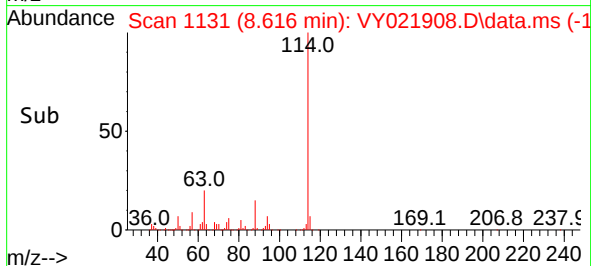
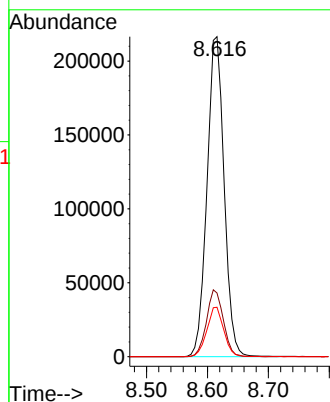
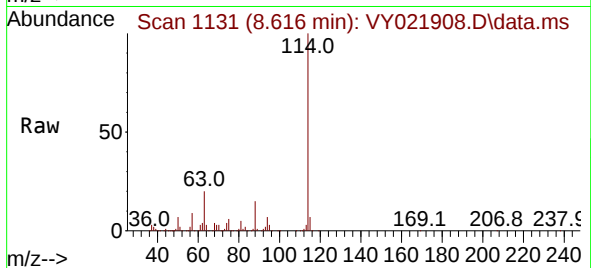
Tgt Ion:114 Resp: 422248

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.2

88 15.5 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.872 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021908.D

Acq: 17 Apr 2025 14:05

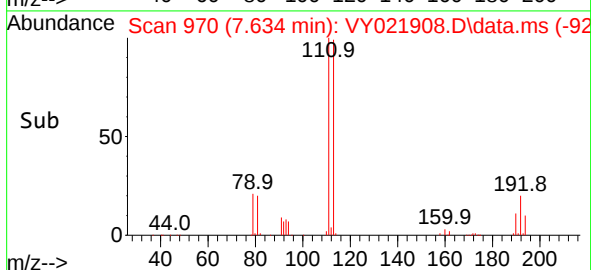
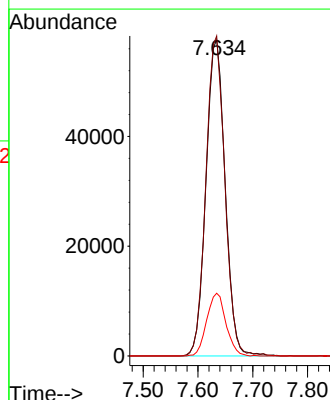
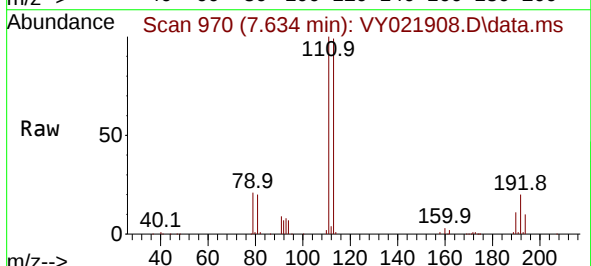
Tgt Ion:113 Resp: 139342

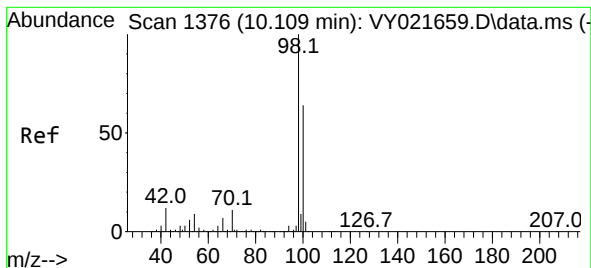
Ion Ratio Lower Upper

113 100

111 100.3 82.6 123.8

192 19.9 16.2 24.4

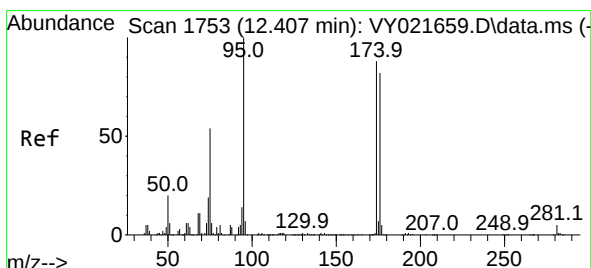
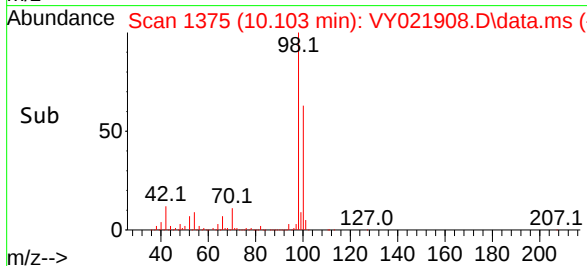
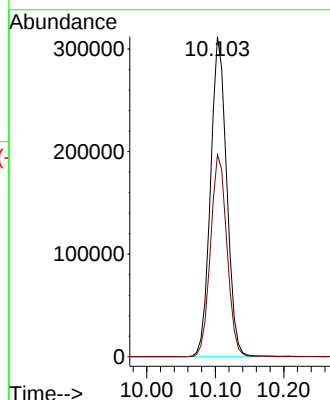
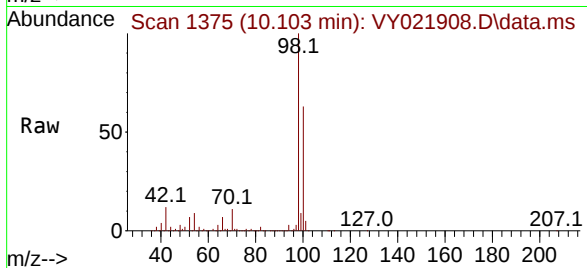




#50
Toluene-d8
Concen: 49.015 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021908.D
Acq: 17 Apr 2025 14:05

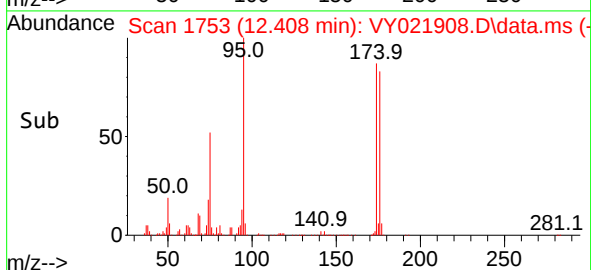
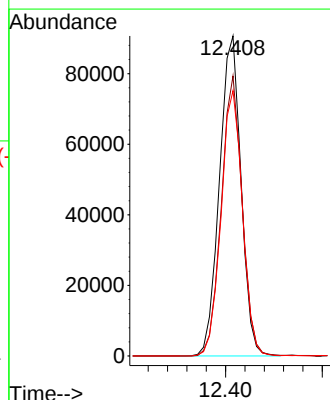
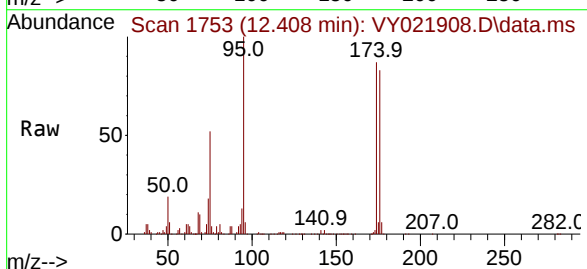
Instrument :
MSVOA_Y
ClientSampleId :
TP-9

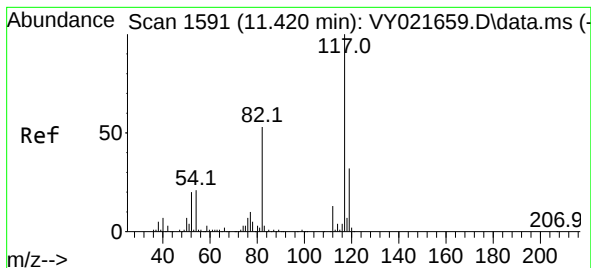
Tgt Ion: 98 Resp: 510748
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 39.721 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021908.D
Acq: 17 Apr 2025 14:05

Tgt Ion: 95 Resp: 140002
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.8
176 82.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021908.D

Acq: 17 Apr 2025 14:05

Instrument :

MSVOA_Y

ClientSampleId :

TP-9

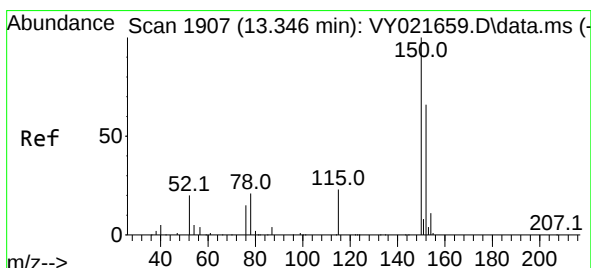
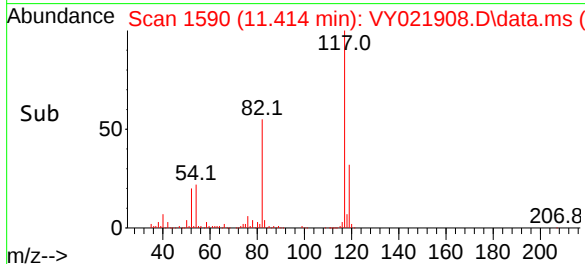
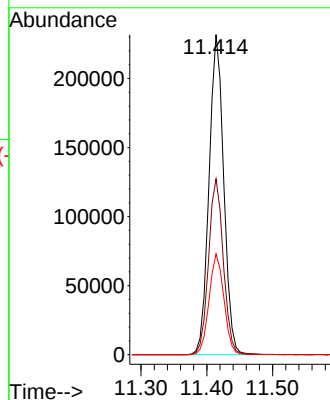
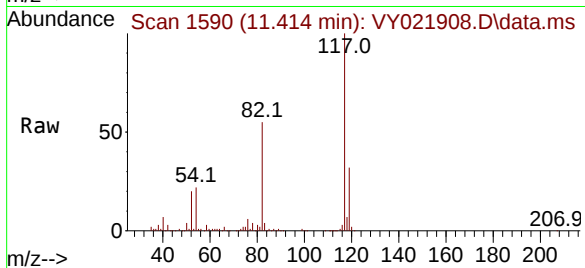
Tgt Ion:117 Resp: 360925

Ion Ratio Lower Upper

117 100

82 54.9 42.8 64.2

119 31.5 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: VY021908.D

Acq: 17 Apr 2025 14:05

Tgt Ion:152 Resp: 137457

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 158.4 0.0 348.4

