

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021382.D
 Acq On : 28 Feb 2025 15:55
 Operator : SY/MD
 Sample : Q1448-01RE
 Misc : 5.67g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PSP1RE

Quant Time: Feb 28 22:21:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	129382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	230156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	205658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	76917	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80135	54.598	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.200%
35) Dibromofluoromethane	7.634	113	81384	53.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.880%
50) Toluene-d8	10.103	98	283384	48.595	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.180%
62) 4-Bromofluorobenzene	12.408	95	82101	41.833	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.660%

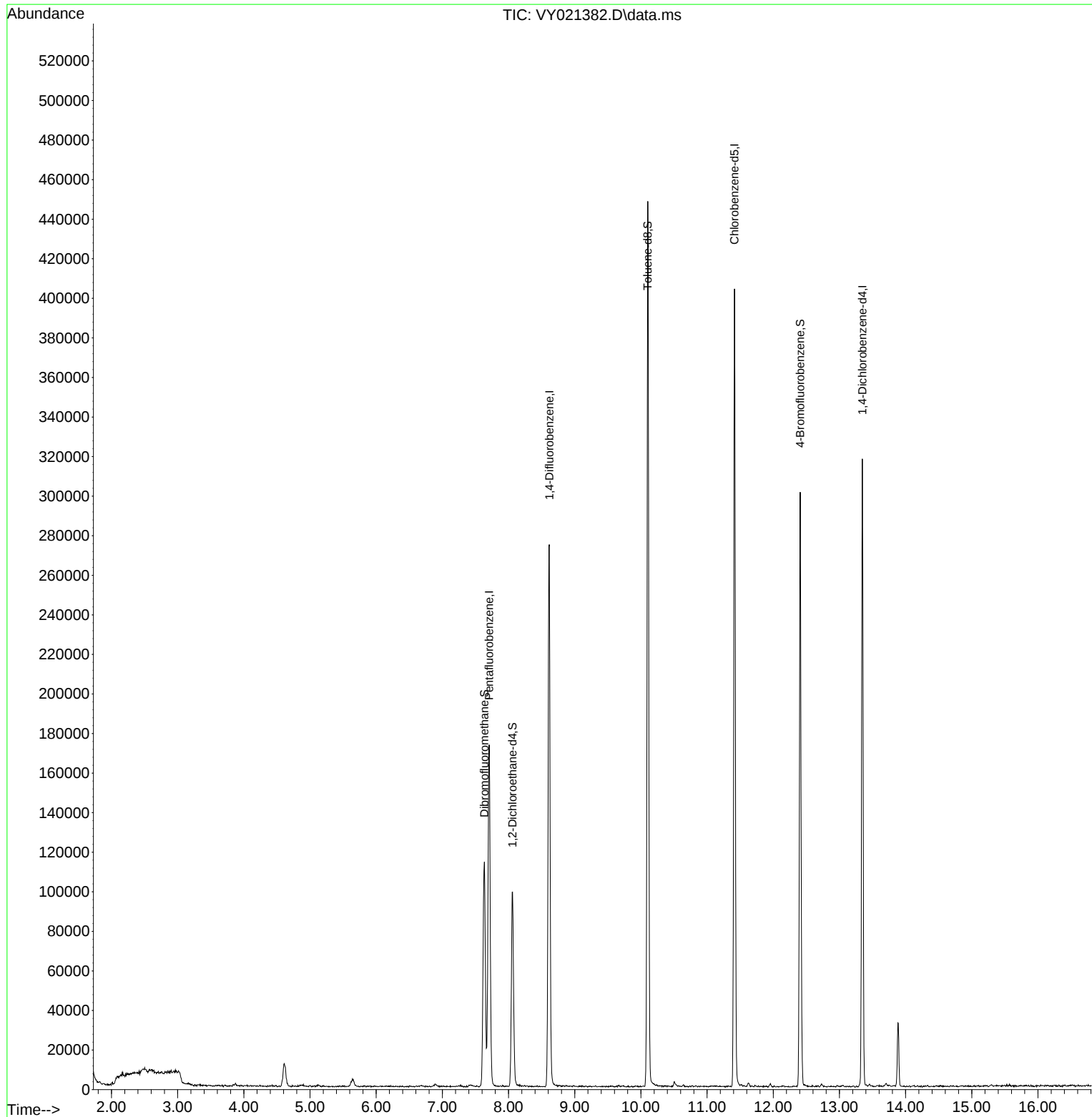
Target Compounds	Qvalue

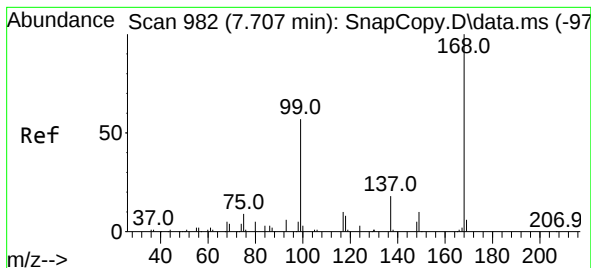
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY021382.D

Acq: 28 Feb 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

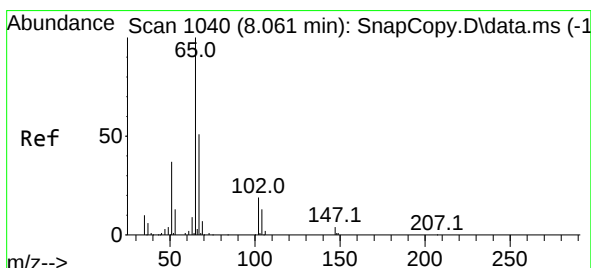
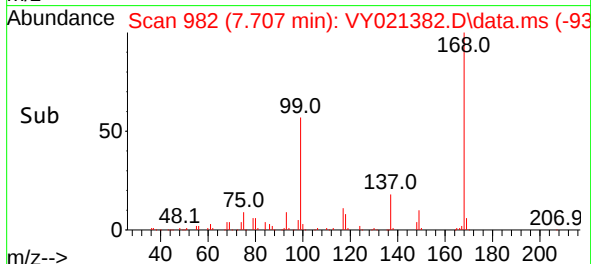
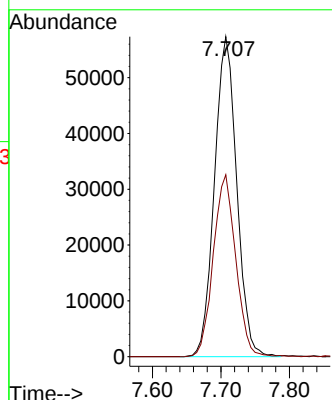
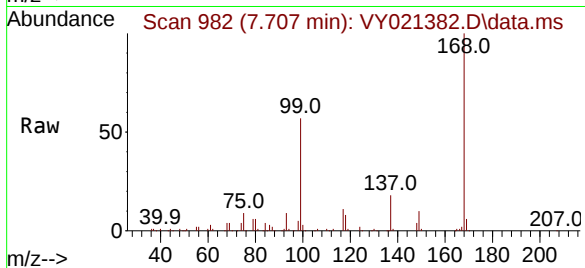
PSP1RE

Tgt Ion:168 Resp: 129382

Ion Ratio Lower Upper

168 100

99 56.8 47.1 70.7



#33

1,2-Dichloroethane-d4

Concen: 54.598 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021382.D

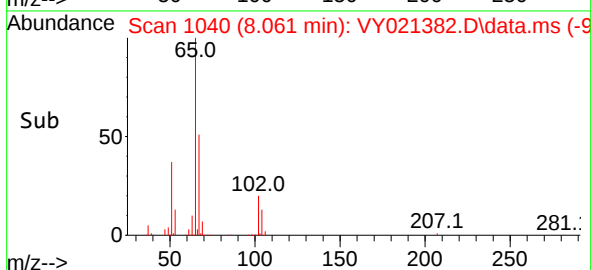
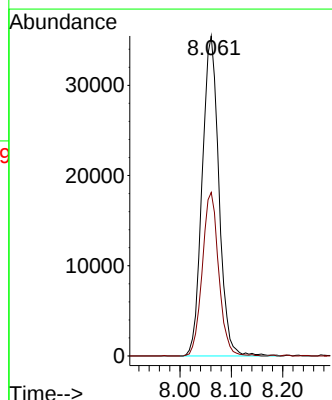
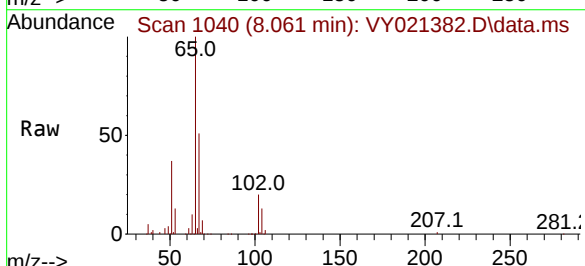
Acq: 28 Feb 2025 15:55

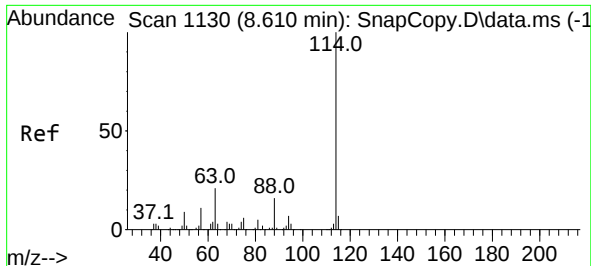
Tgt Ion: 65 Resp: 80135

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021382.D

Acq: 28 Feb 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

PSP1RE

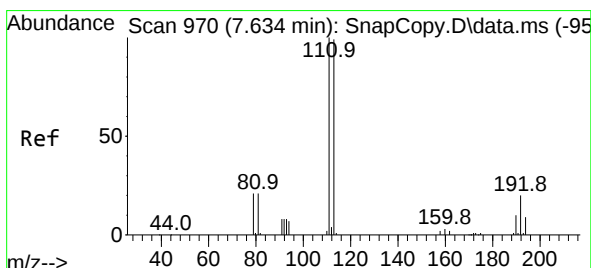
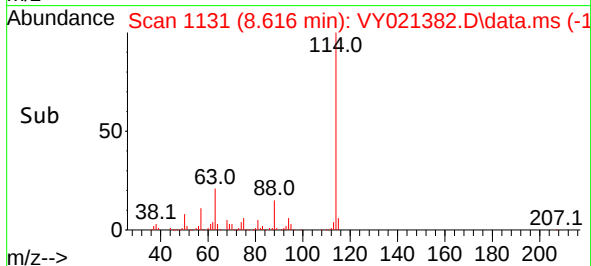
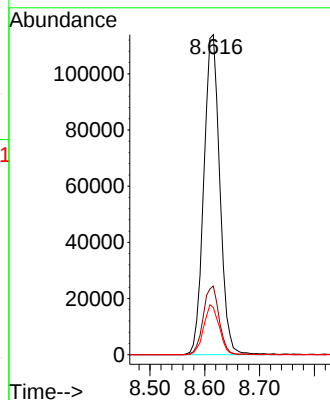
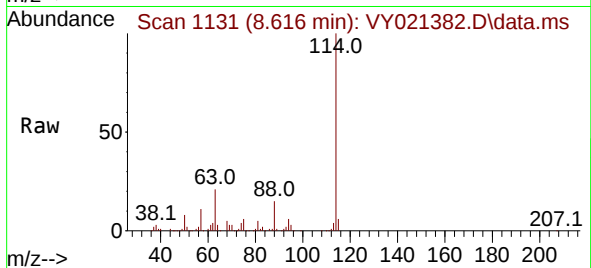
Tgt Ion:114 Resp: 230156

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.2

88 14.7 0.0 29.8



#35

Dibromofluoromethane

Concen: 53.935 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021382.D

Acq: 28 Feb 2025 15:55

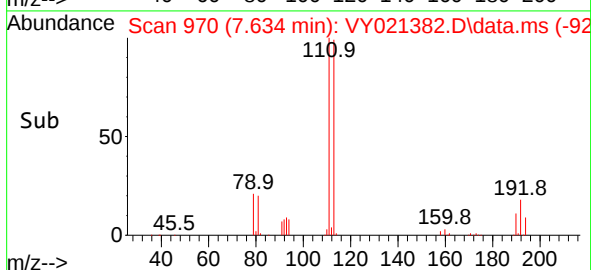
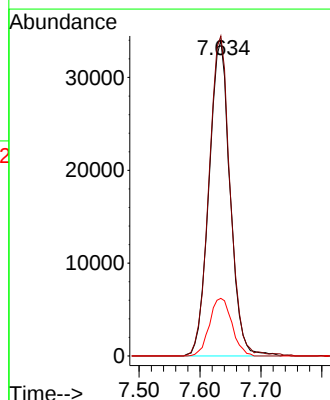
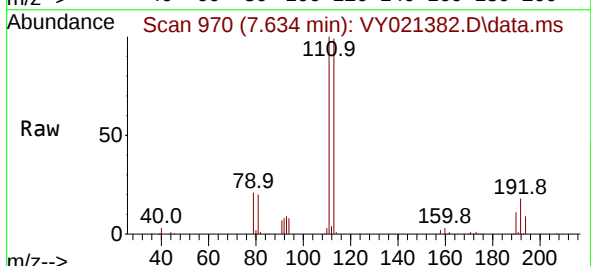
Tgt Ion:113 Resp: 81384

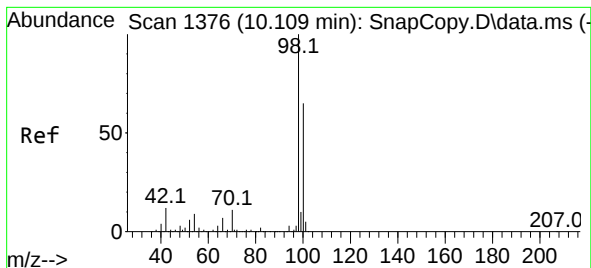
Ion Ratio Lower Upper

113 100

111 102.0 81.0 121.6

192 19.5 15.8 23.8





#50

Toluene-d8

Concen: 48.595 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021382.D

Acq: 28 Feb 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

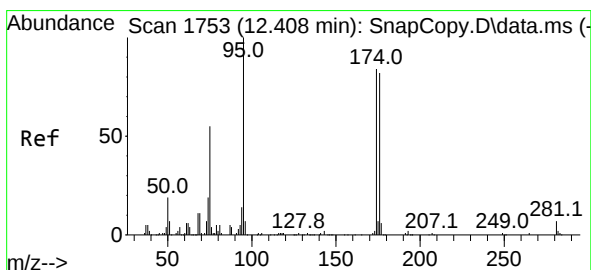
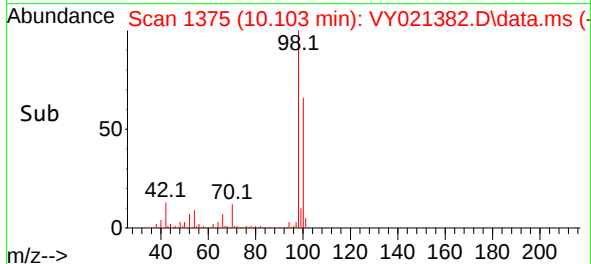
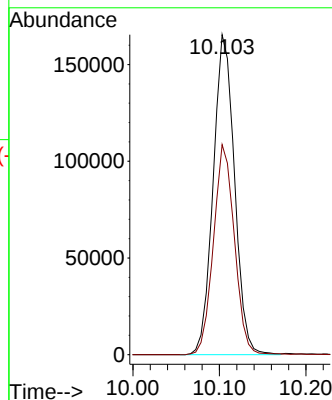
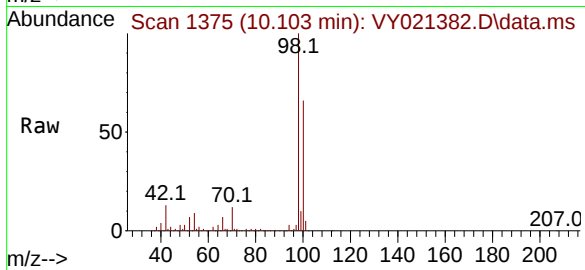
PSP1RE

Tgt Ion: 98 Resp: 283384

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 41.833 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021382.D

Acq: 28 Feb 2025 15:55

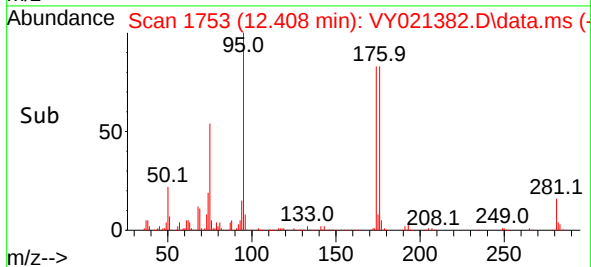
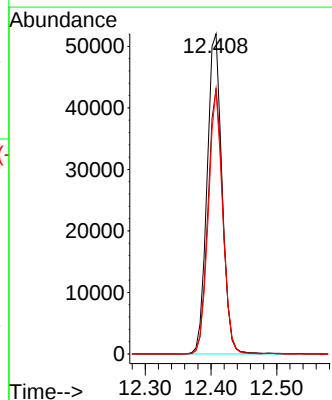
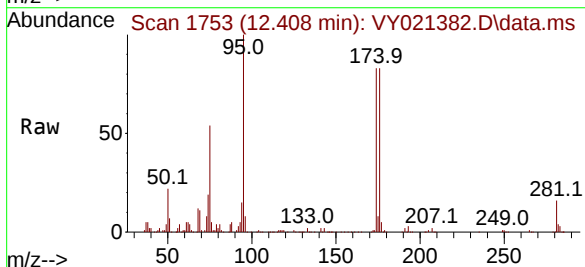
Tgt Ion: 95 Resp: 82101

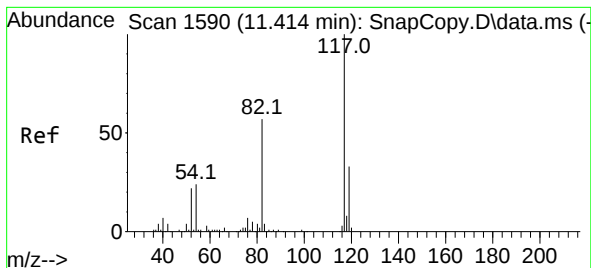
Ion Ratio Lower Upper

95 100

174 83.4 0.0 168.0

176 79.3 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021382.D

Acq: 28 Feb 2025 15:55

Instrument :

MSVOA_Y

ClientSampleId :

PSP1RE

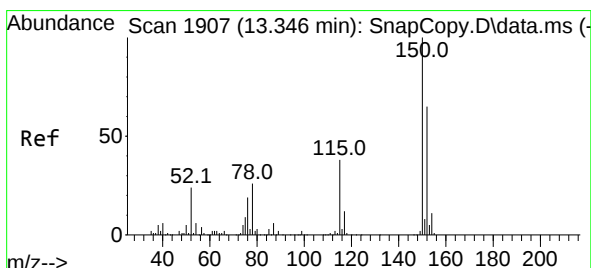
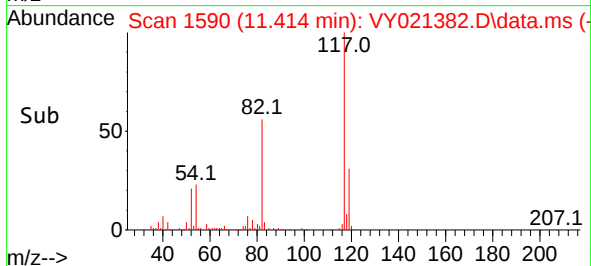
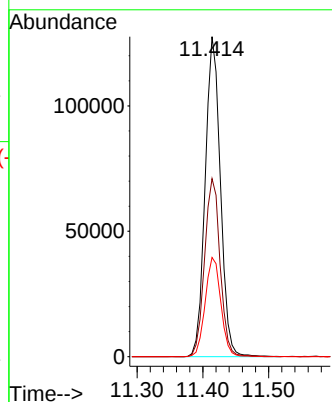
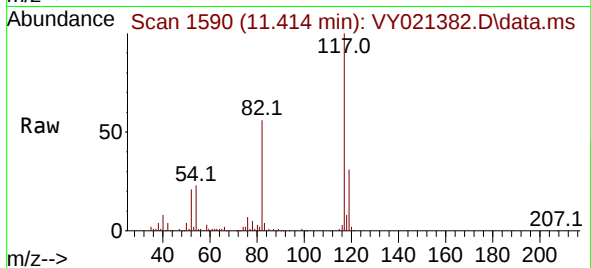
Tgt Ion:117 Resp: 205658

Ion Ratio Lower Upper

117 100

82 55.7 46.2 69.4

119 31.0 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021382.D

Acq: 28 Feb 2025 15:55

Tgt Ion:152 Resp: 76917

Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

150 158.5 0.0 347.4

