

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
 Data File : VY021242.D
 Acq On : 19 Feb 2025 17:22
 Operator : SY/MD
 Sample : Q1382-01
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-01-021725

Quant Time: Feb 20 00:20:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	215345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	410030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	143607	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	114803	52.032	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.060%
35) Dibromofluoromethane	7.640	113	129417	49.250	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.500%
50) Toluene-d8	10.109	98	495381	49.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.414	95	156897	48.006	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.020%

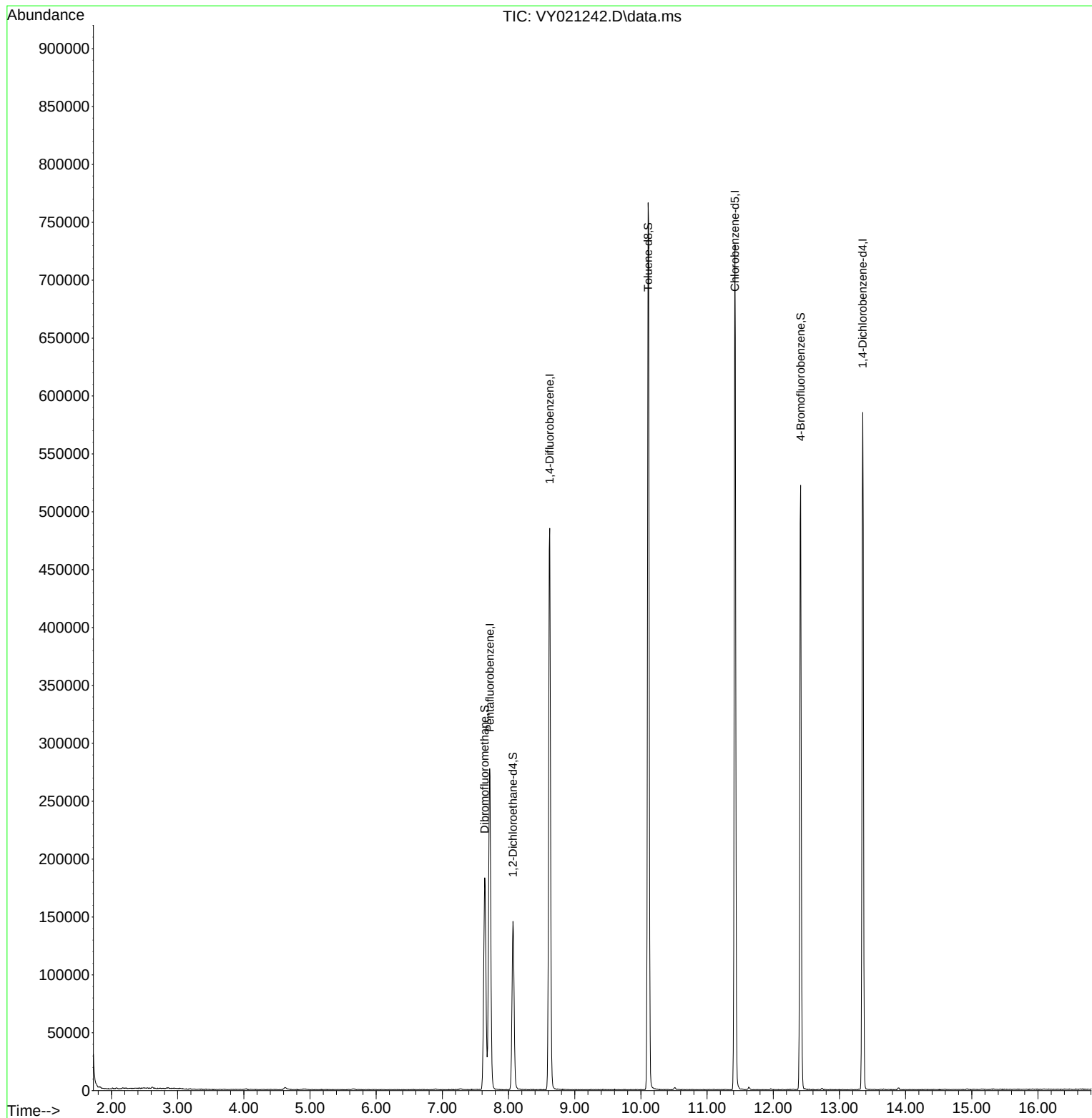
Target Compounds	Qvalue

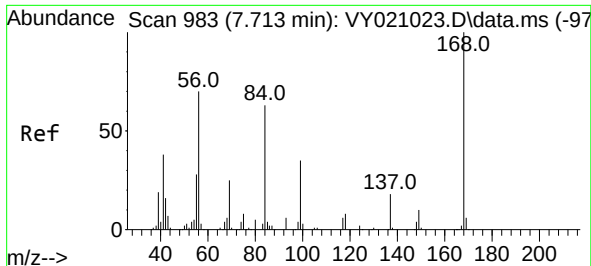
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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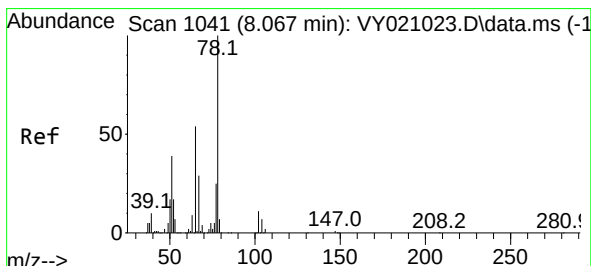
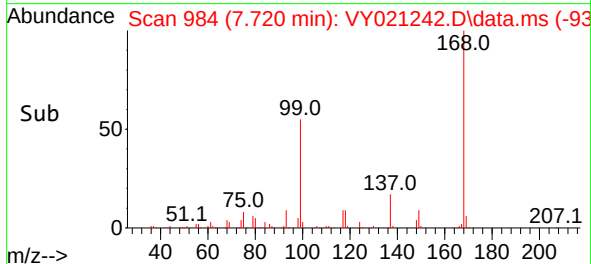
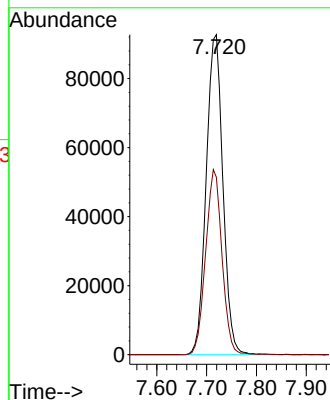
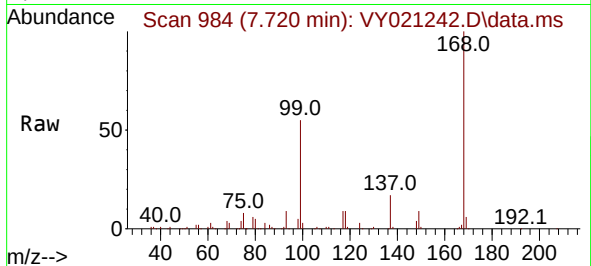




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

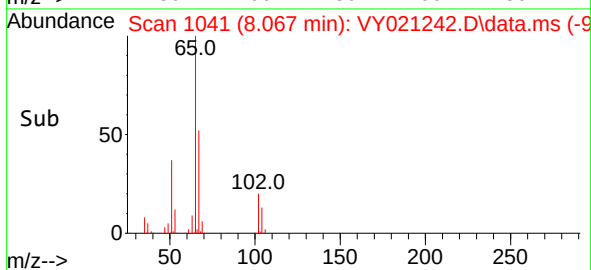
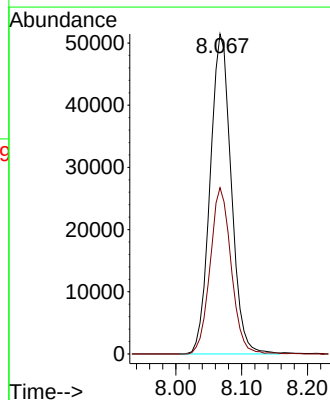
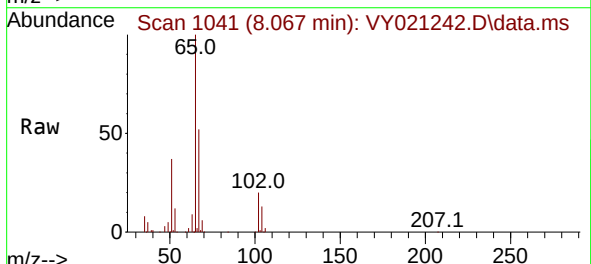
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-01-021725

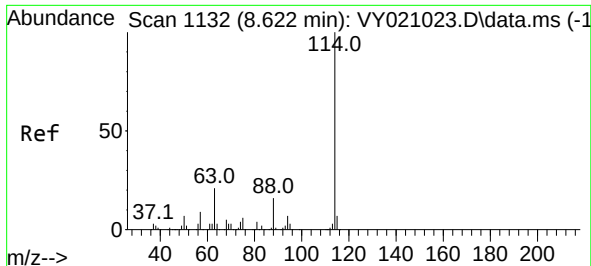
Tgt Ion:168 Resp: 215345
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 52.032 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion: 65 Resp: 114803
Ion Ratio Lower Upper
65 100
67 51.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021242.D

Acq: 19 Feb 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-01-021725

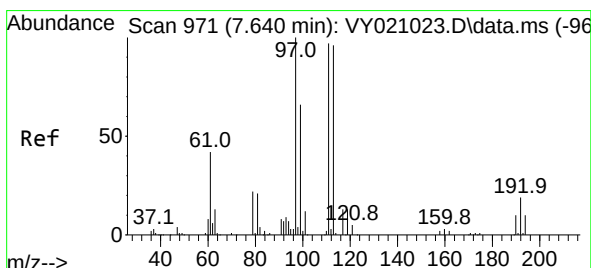
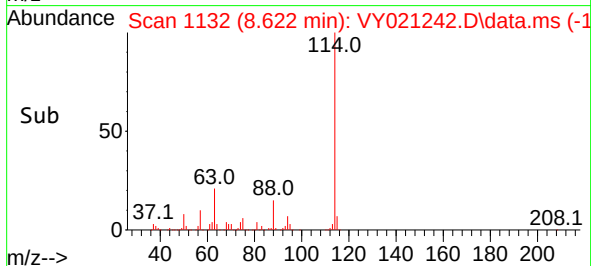
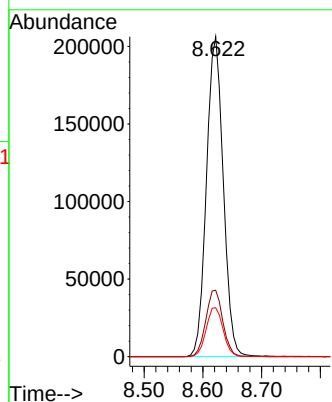
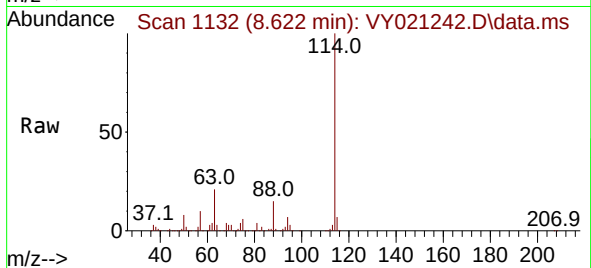
Tgt Ion:114 Resp: 410030

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 15.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.250 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021242.D

Acq: 19 Feb 2025 17:22

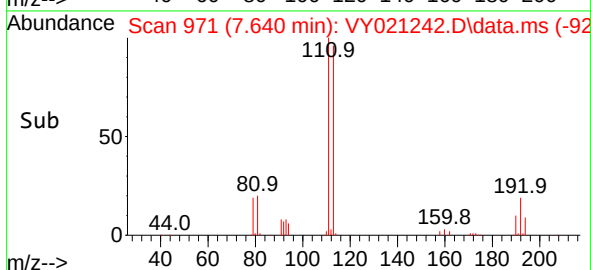
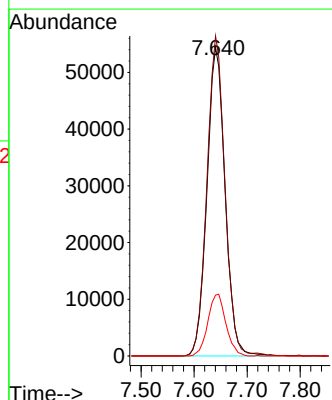
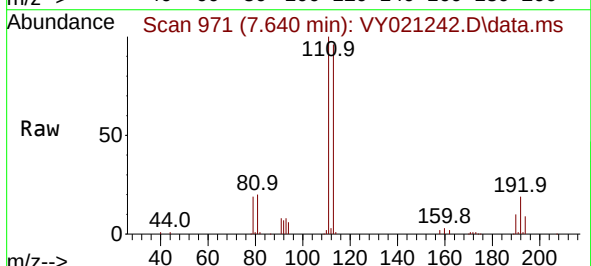
Tgt Ion:113 Resp: 129417

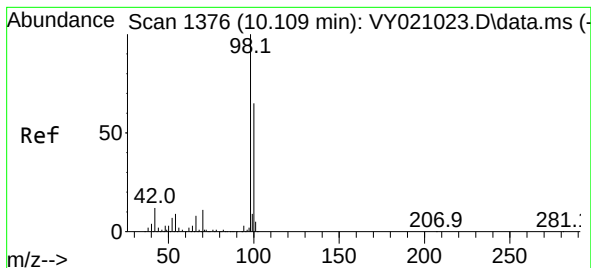
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 19.9 14.5 21.7





#50

Toluene-d8

Concen: 49.518 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021242.D

Acq: 19 Feb 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

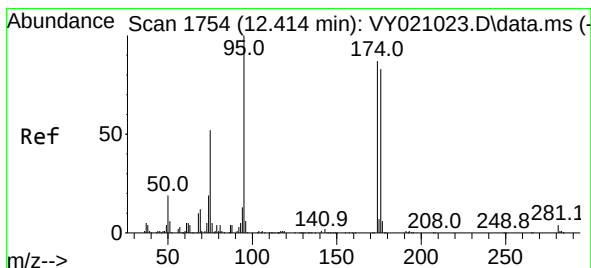
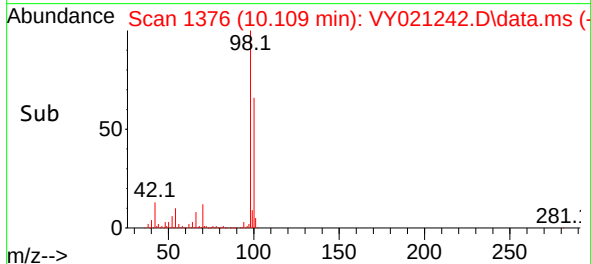
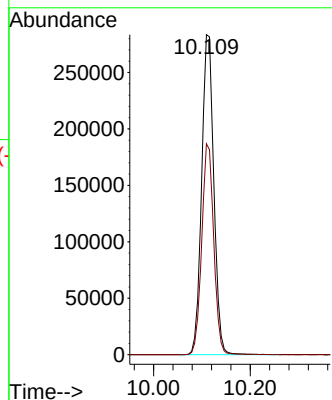
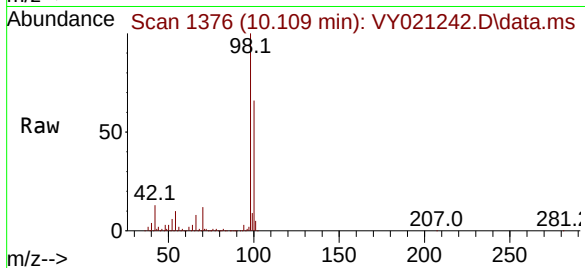
OU4-PCS-TC-01-021725

Tgt Ion: 98 Resp: 495381

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 48.006 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY021242.D

Acq: 19 Feb 2025 17:22

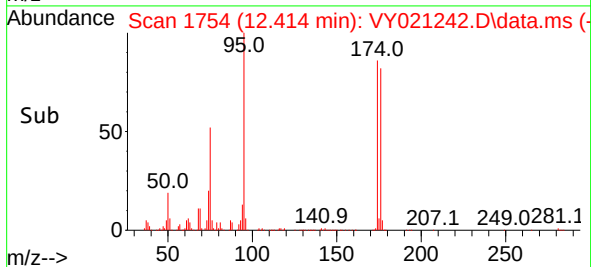
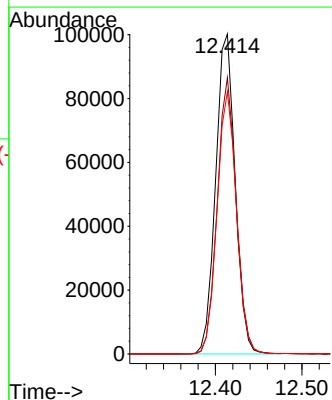
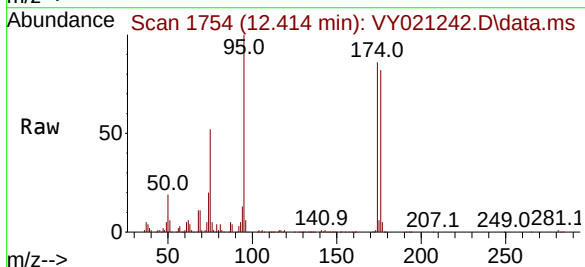
Tgt Ion: 95 Resp: 156897

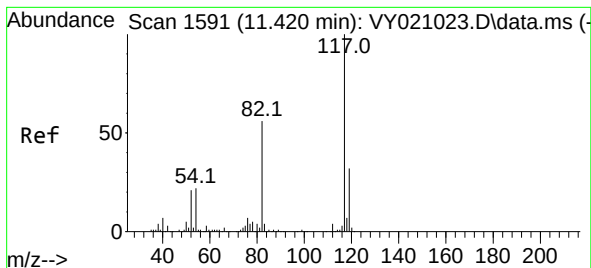
Ion Ratio Lower Upper

95 100

174 84.3 0.0 160.0

176 81.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021242.D

Acq: 19 Feb 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-01-021725

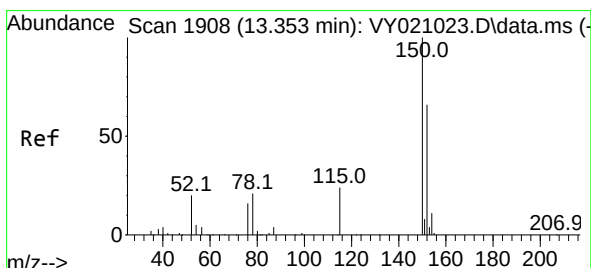
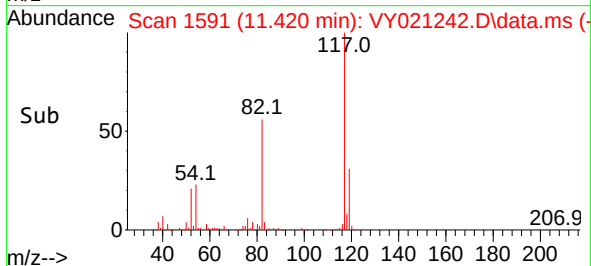
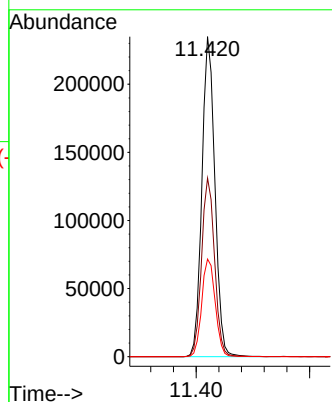
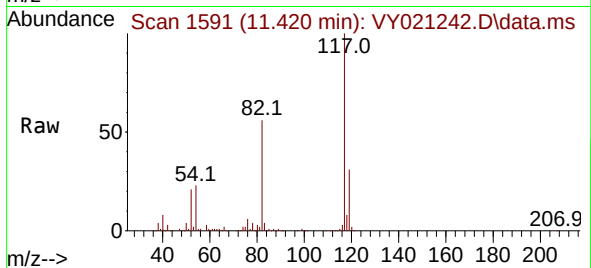
Tgt Ion:117 Resp: 371656

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 30.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021242.D

Acq: 19 Feb 2025 17:22

Tgt Ion:152 Resp: 143607

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

150 158.4 0.0 344.6

