

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012142.D
 Acq On : 10 Jan 2023 15:20
 Operator : KP/MD
 Sample : 01090-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-3-010923

Quant Time: Jan 11 03:09:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	59719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	97410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	92490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	40723	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	35880	53.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.940%
35) Dibromofluoromethane	7.722	113	30805	48.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.220%
50) Toluene-d8	10.179	98	115261	45.610	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.483	95	34604	39.174	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.340%

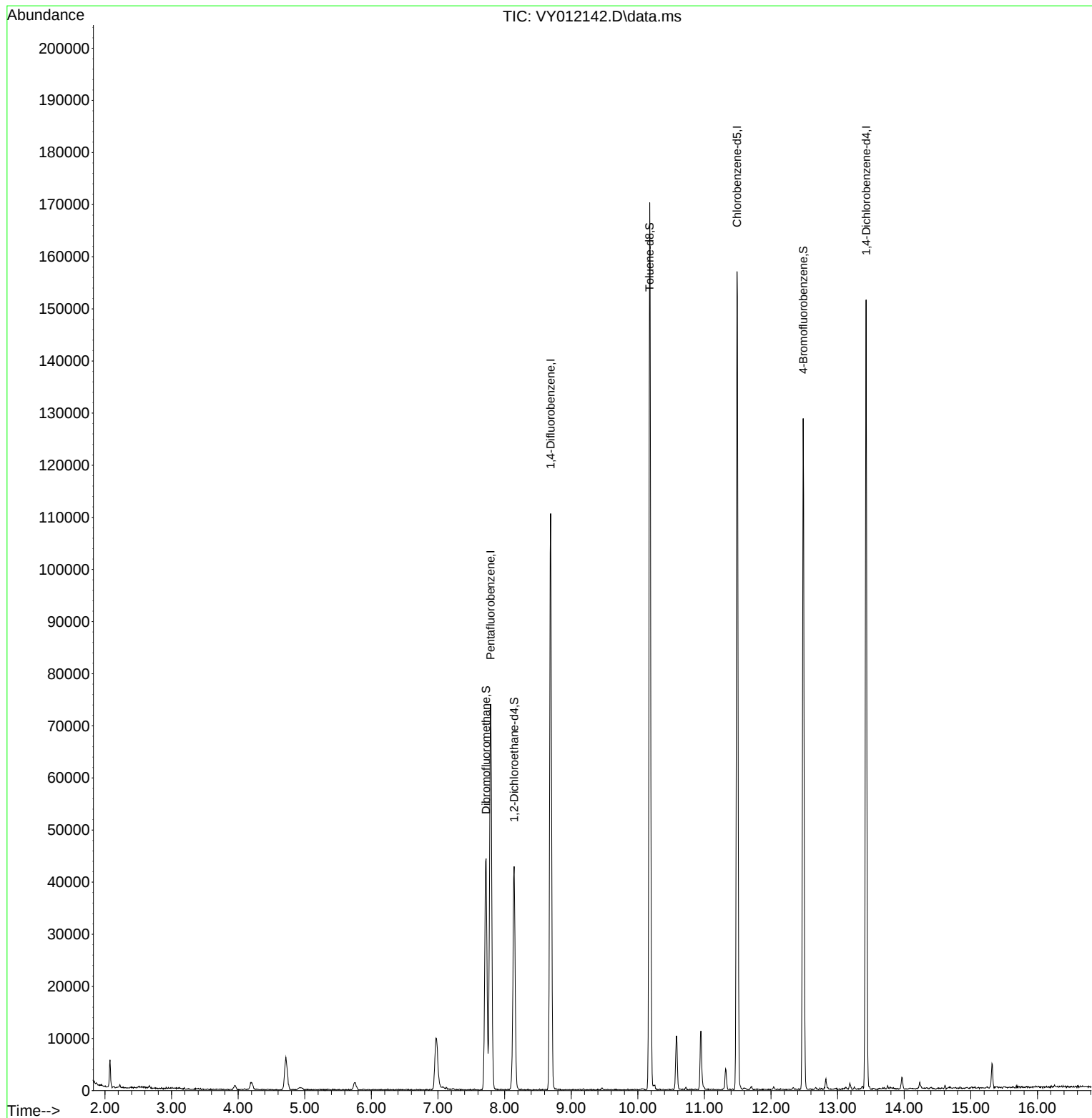
Target Compounds	Qvalue

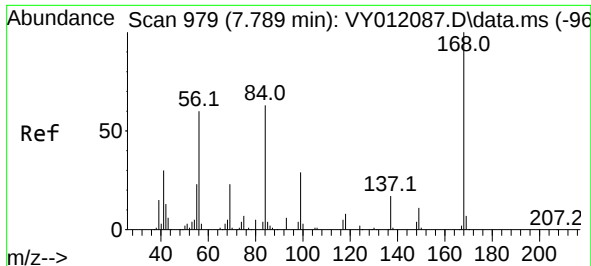
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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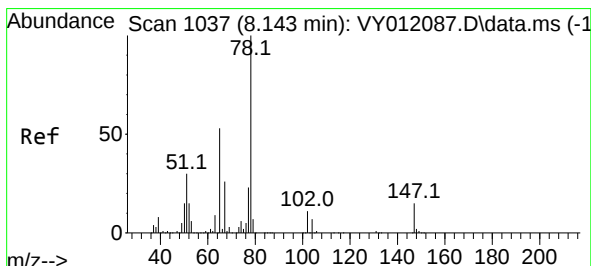
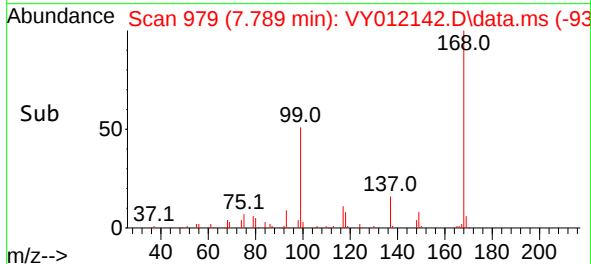
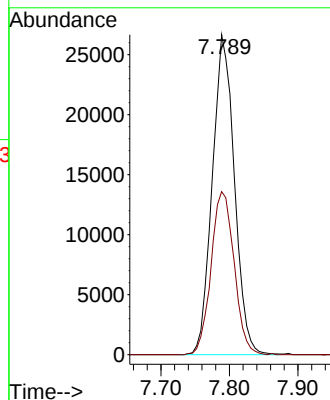
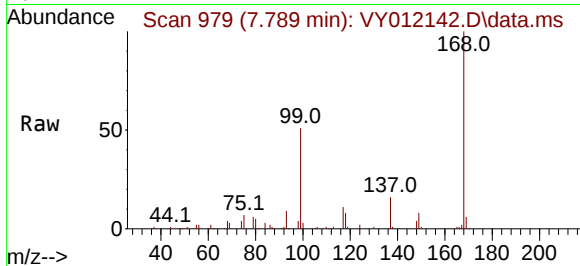




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

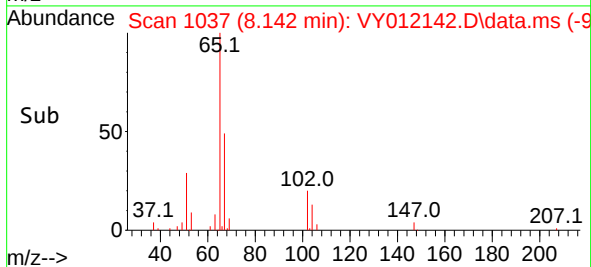
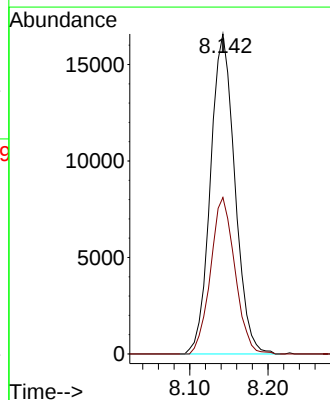
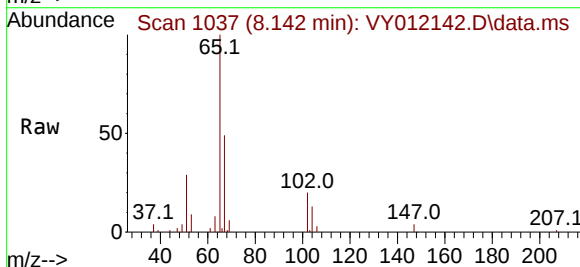
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-010923

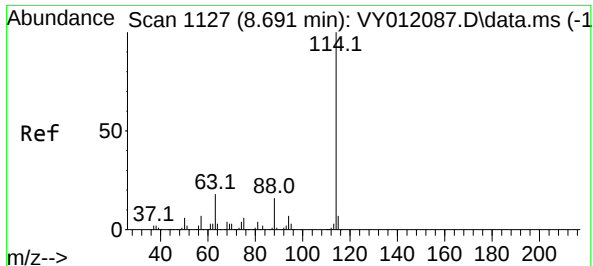
Tgt Ion:168 Resp: 59719
Ion Ratio Lower Upper
168 100
99 51.0 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 53.469 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012142.D
Acq: 10 Jan 2023 15:20

Tgt Ion: 65 Resp: 35880
Ion Ratio Lower Upper
65 100
67 48.8 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

SU-3-010923

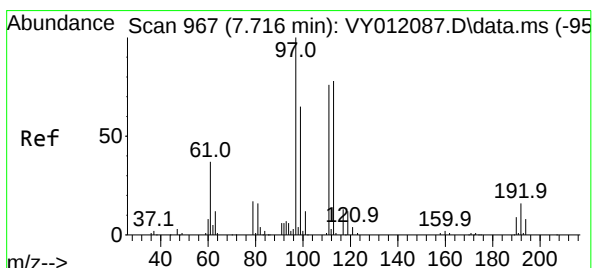
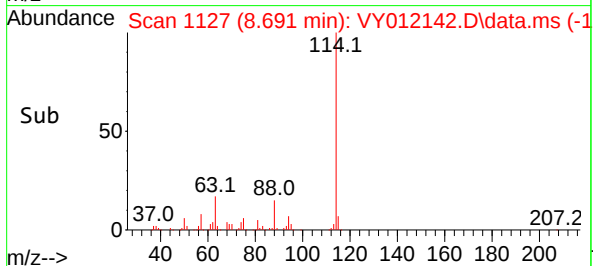
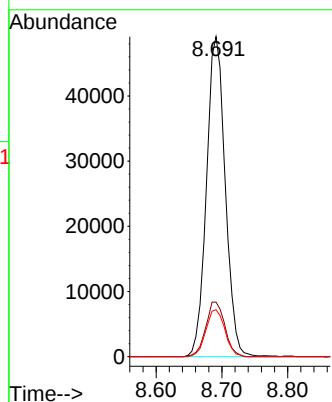
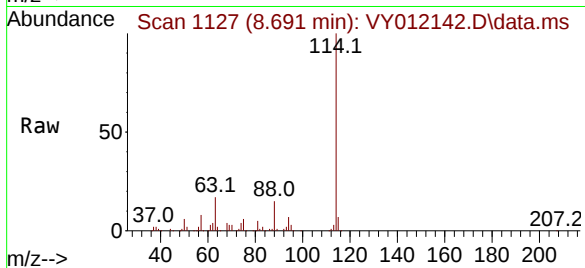
Tgt Ion:114 Resp: 97410

Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.6

88 14.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.113 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

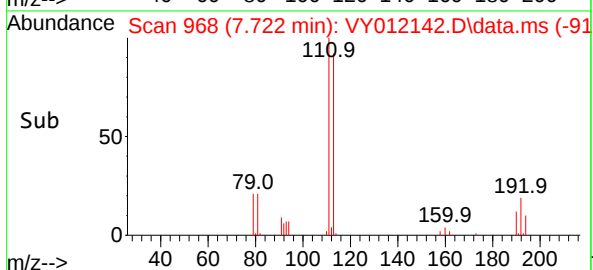
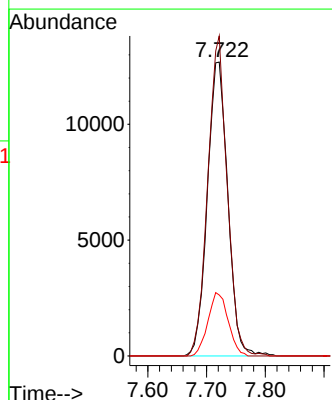
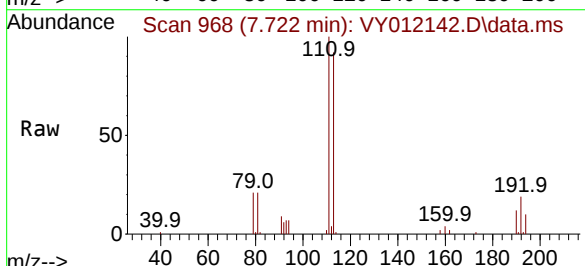
Tgt Ion:113 Resp: 30805

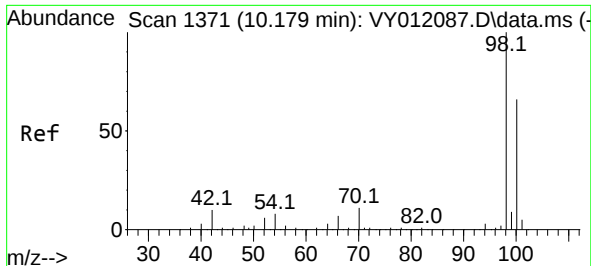
Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

192 21.2 16.0 24.0





#50

Toluene-d8

Concen: 45.610 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

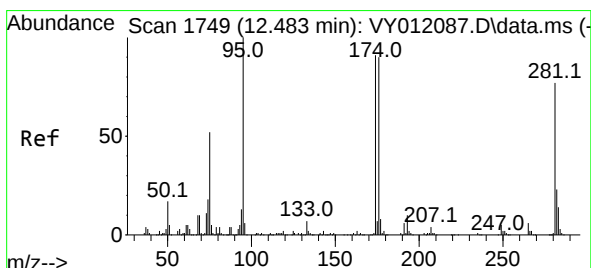
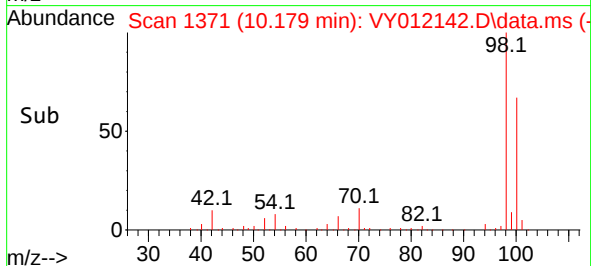
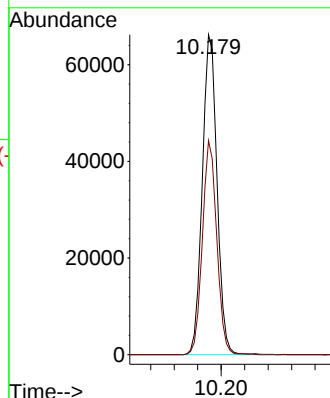
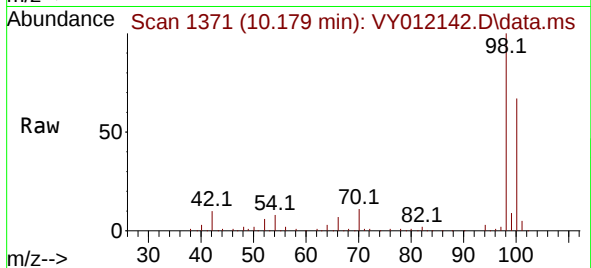
SU-3-010923

Tgt Ion: 98 Resp: 115261

Ion Ratio Lower Upper

98 100

100 65.4 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 39.174 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

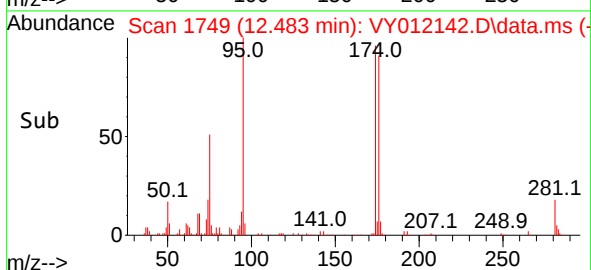
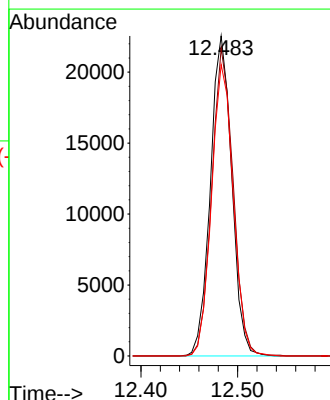
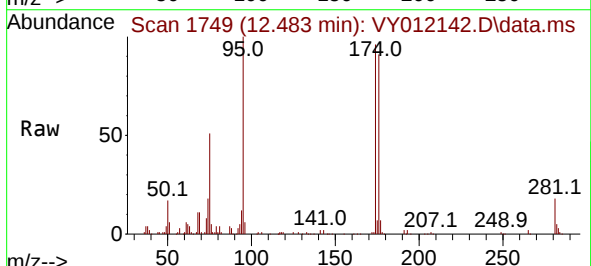
Tgt Ion: 95 Resp: 34604

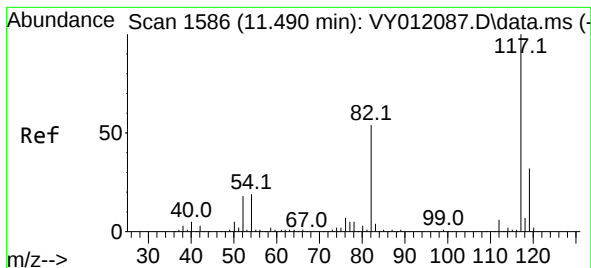
Ion Ratio Lower Upper

95 100

174 96.5 0.0 172.0

176 92.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

SU-3-010923

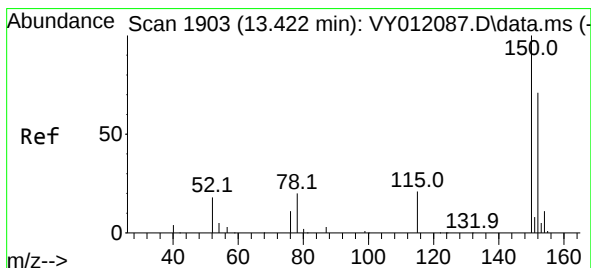
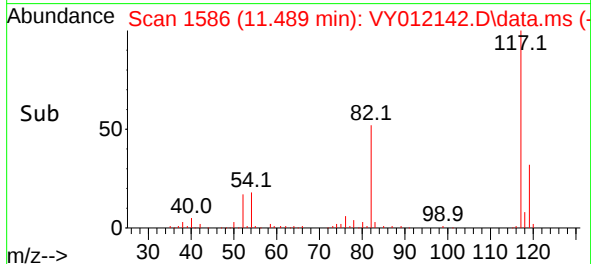
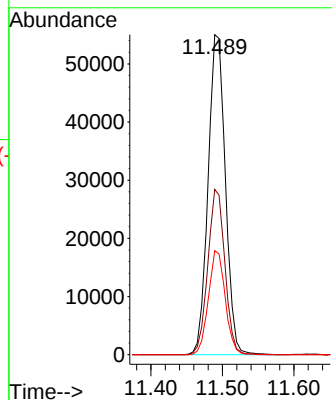
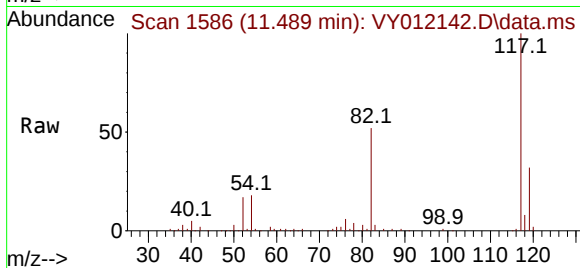
Tgt Ion:117 Resp: 92490

Ion Ratio Lower Upper

117 100

82 51.6 44.8 67.2

119 32.5 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012142.D

Acq: 10 Jan 2023 15:20

Tgt Ion:152 Resp: 40723

Ion Ratio Lower Upper

152 100

115 55.2 29.1 87.3

150 153.1 0.0 342.6

