

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012124.D
 Acq On : 09 Jan 2023 20:28
 Operator : KP/MD
 Sample : 01057-03
 Misc : 6.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-2

Quant Time: Jan 10 01:51:16 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	178919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	305531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120370	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	109494	54.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.920%
35) Dibromofluoromethane	7.716	113	92538	46.080	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.160%
50) Toluene-d8	10.179	98	362997	45.796	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.600%
62) 4-Bromofluorobenzene	12.483	95	113146	40.838	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.680%

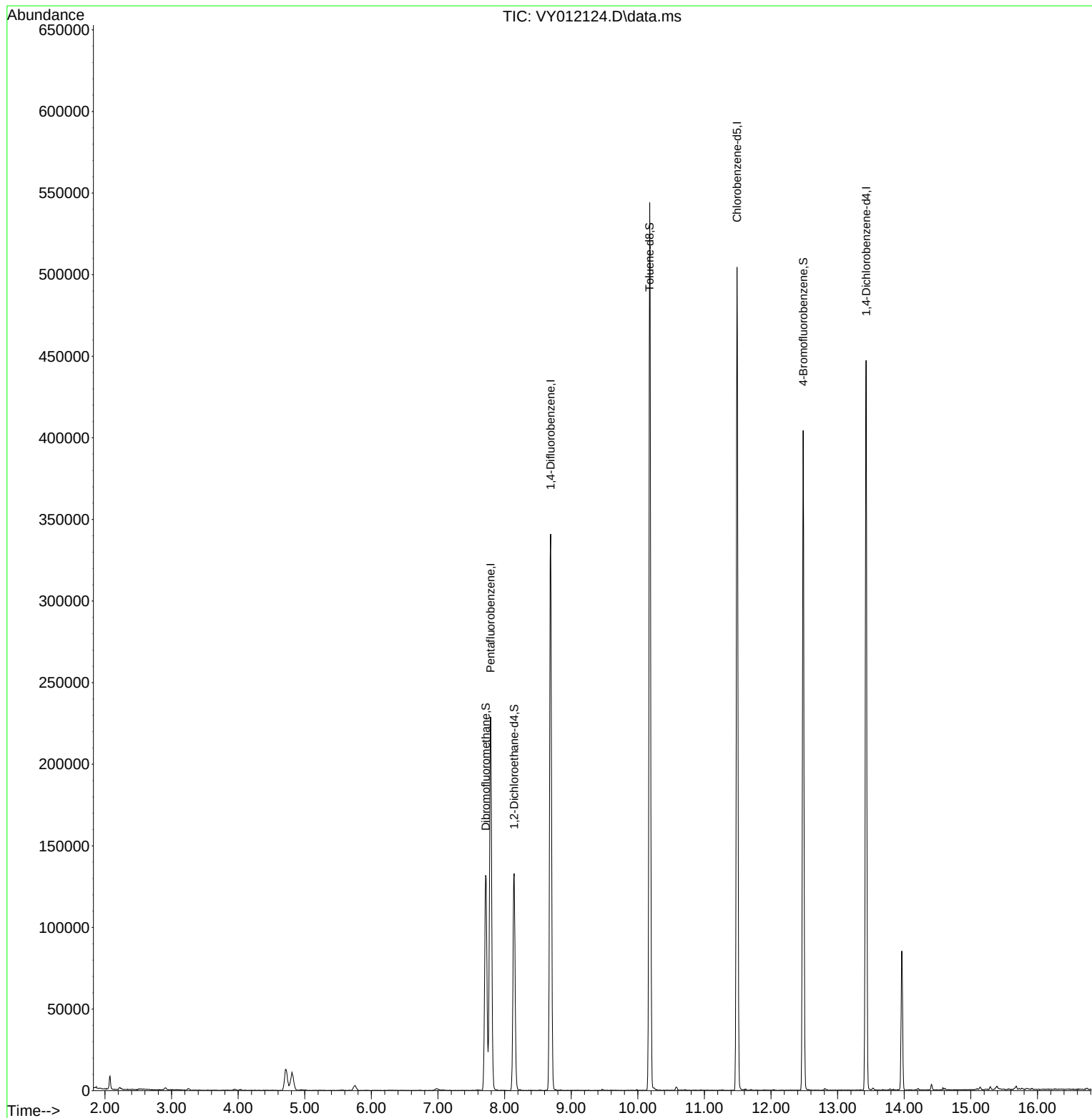
Target Compounds	Qvalue

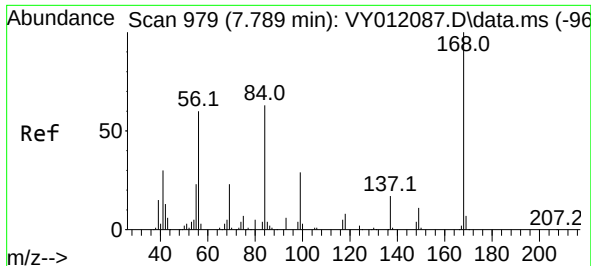
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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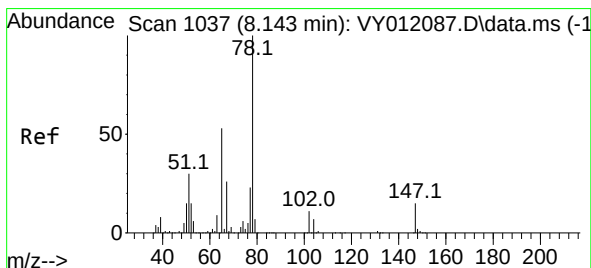
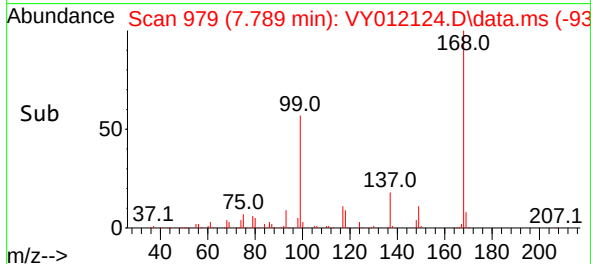
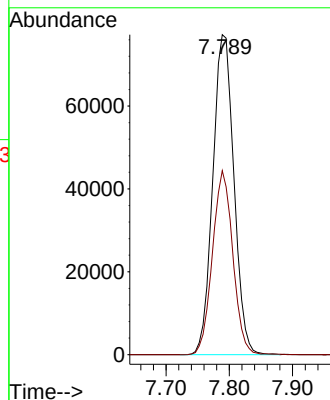
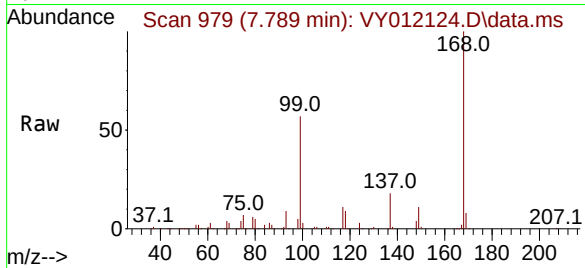




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

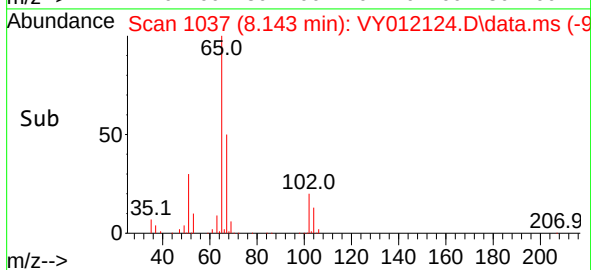
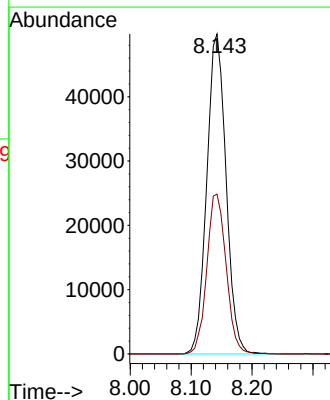
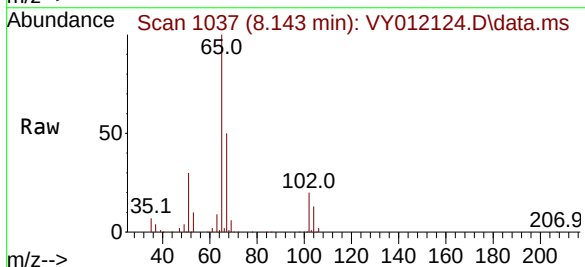
Instrument :
MSVOA_Y
ClientSampleId :
VOC-2

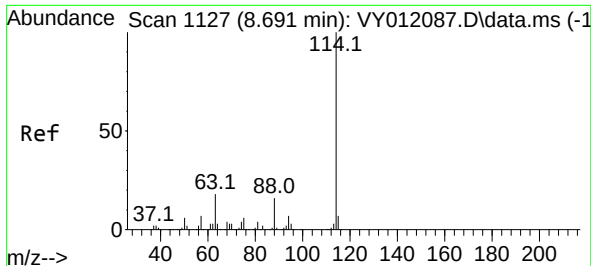
Tgt Ion:168 Resp: 178919
Ion Ratio Lower Upper
168 100
99 57.5 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 54.463 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

Tgt Ion: 65 Resp: 109494
Ion Ratio Lower Upper
65 100
67 50.0 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: VY012124.D

Acq: 09 Jan 2023 20:28

Instrument :

MSVOA_Y

ClientSampleId :

VOC-2

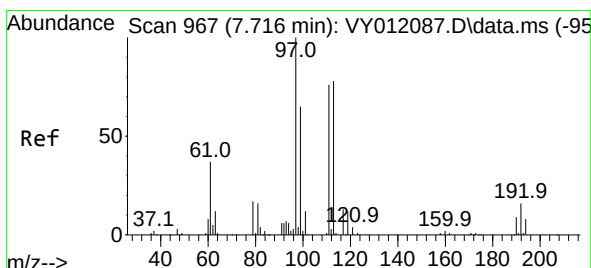
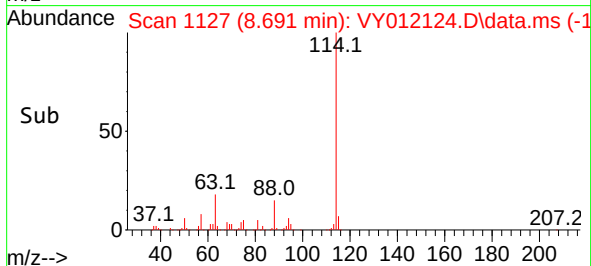
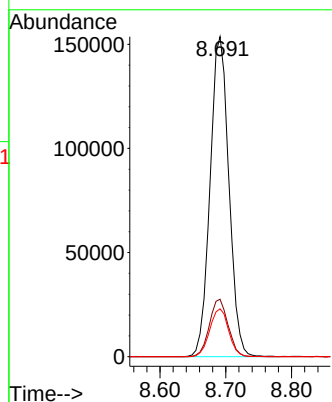
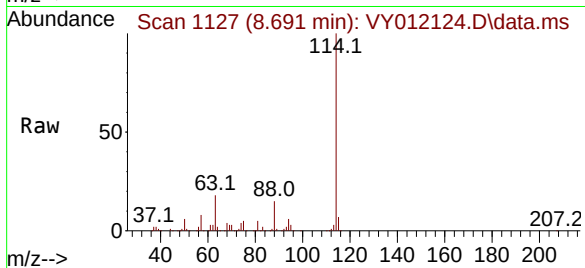
Tgt Ion:114 Resp: 305531

Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.080 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012124.D

Acq: 09 Jan 2023 20:28

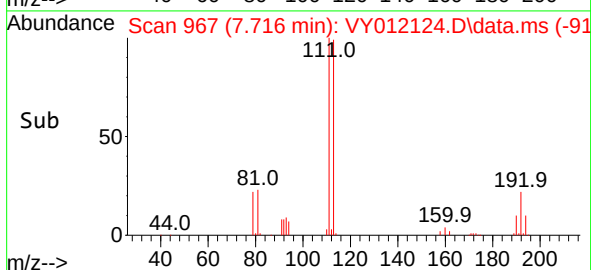
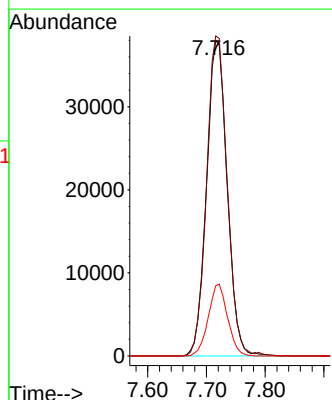
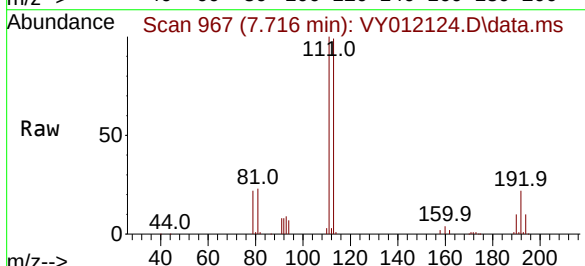
Tgt Ion:113 Resp: 92538

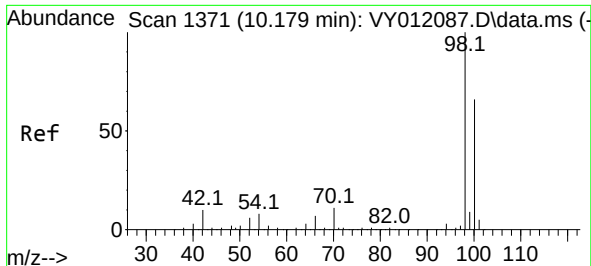
Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.4

192 21.3 16.0 24.0

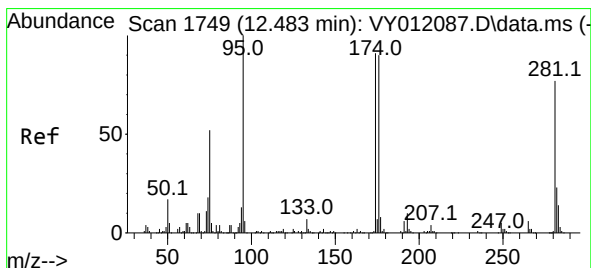
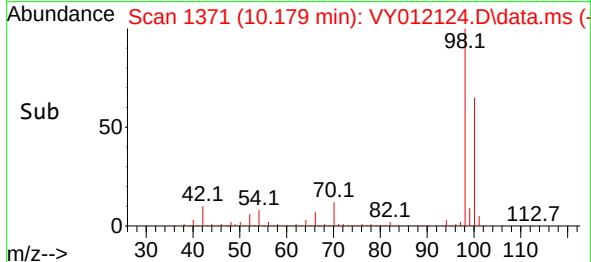
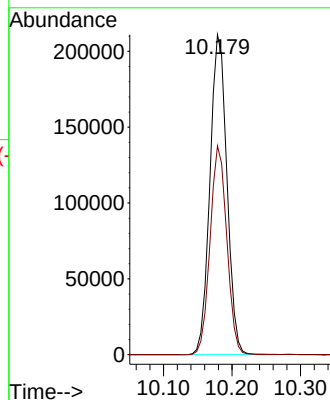
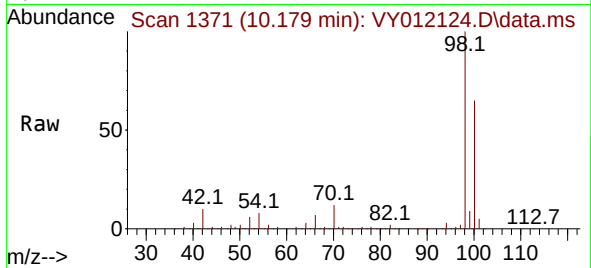




#50
Toluene-d8
Concen: 45.796 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

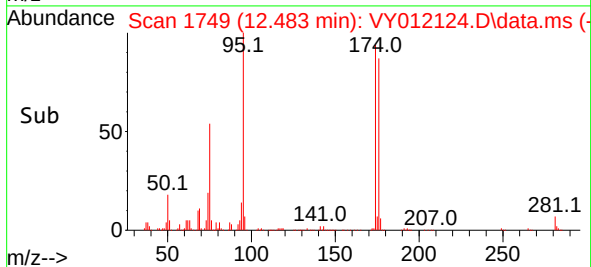
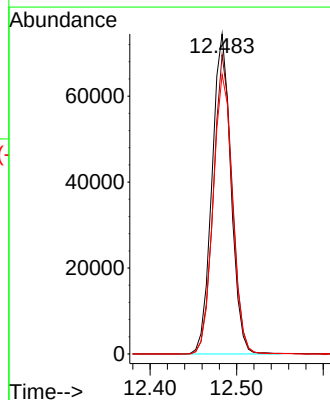
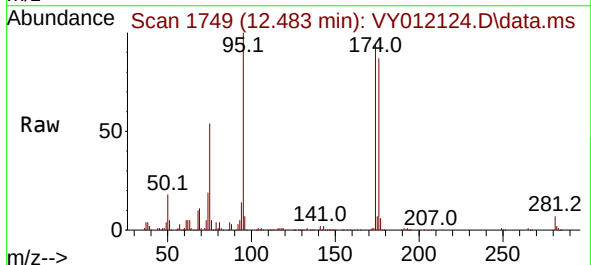
Instrument :
MSVOA_Y
ClientSampleId :
VOC-2

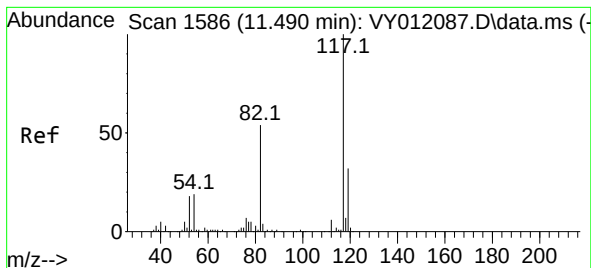
Tgt Ion: 98 Resp: 362997
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 40.838 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012124.D
Acq: 09 Jan 2023 20:28

Tgt Ion: 95 Resp: 113146
Ion Ratio Lower Upper
95 100
174 93.2 0.0 172.0
176 89.3 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: VY012124.D

Acq: 09 Jan 2023 20:28

Instrument :

MSVOA_Y

ClientSampleId :

VOC-2

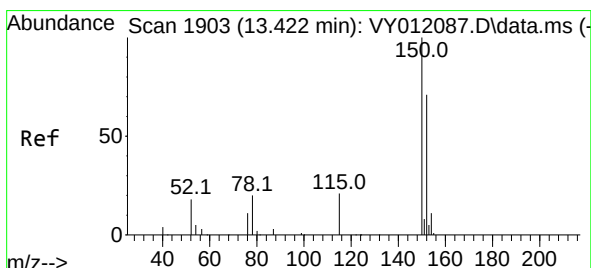
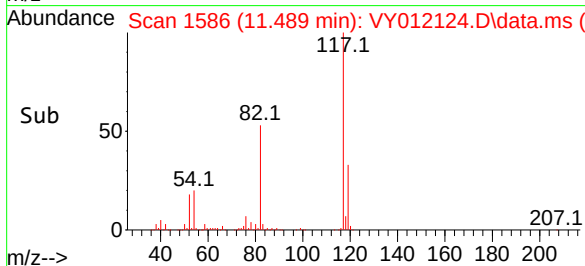
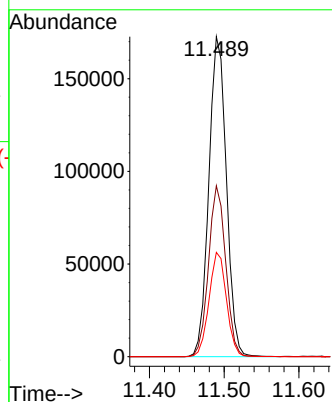
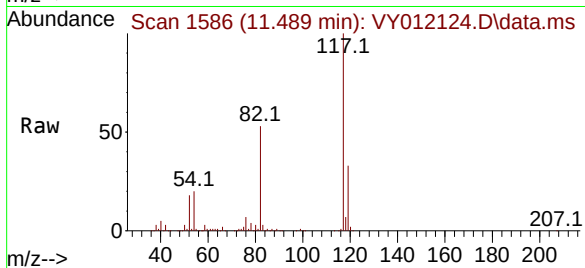
Tgt Ion:117 Resp: 281311

Ion Ratio Lower Upper

117 100

82 53.4 44.8 67.2

119 32.6 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: VY012124.D

Acq: 09 Jan 2023 20:28

Tgt Ion:152 Resp: 120370

Ion Ratio Lower Upper

152 100

115 56.9 29.1 87.3

150 156.6 0.0 342.6

