

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012521.D
 Acq On : 07 Feb 2023 16:13
 Operator : KP/MD
 Sample : 01466-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-1

Quant Time: Feb 08 01:46:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	168558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	283304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130021	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100735	46.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.000%
35) Dibromofluoromethane	7.716	113	83278	40.364	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.720%
50) Toluene-d8	10.179	98	330713	38.511	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.020%
62) 4-Bromofluorobenzene	12.483	95	113827	38.001	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.000%

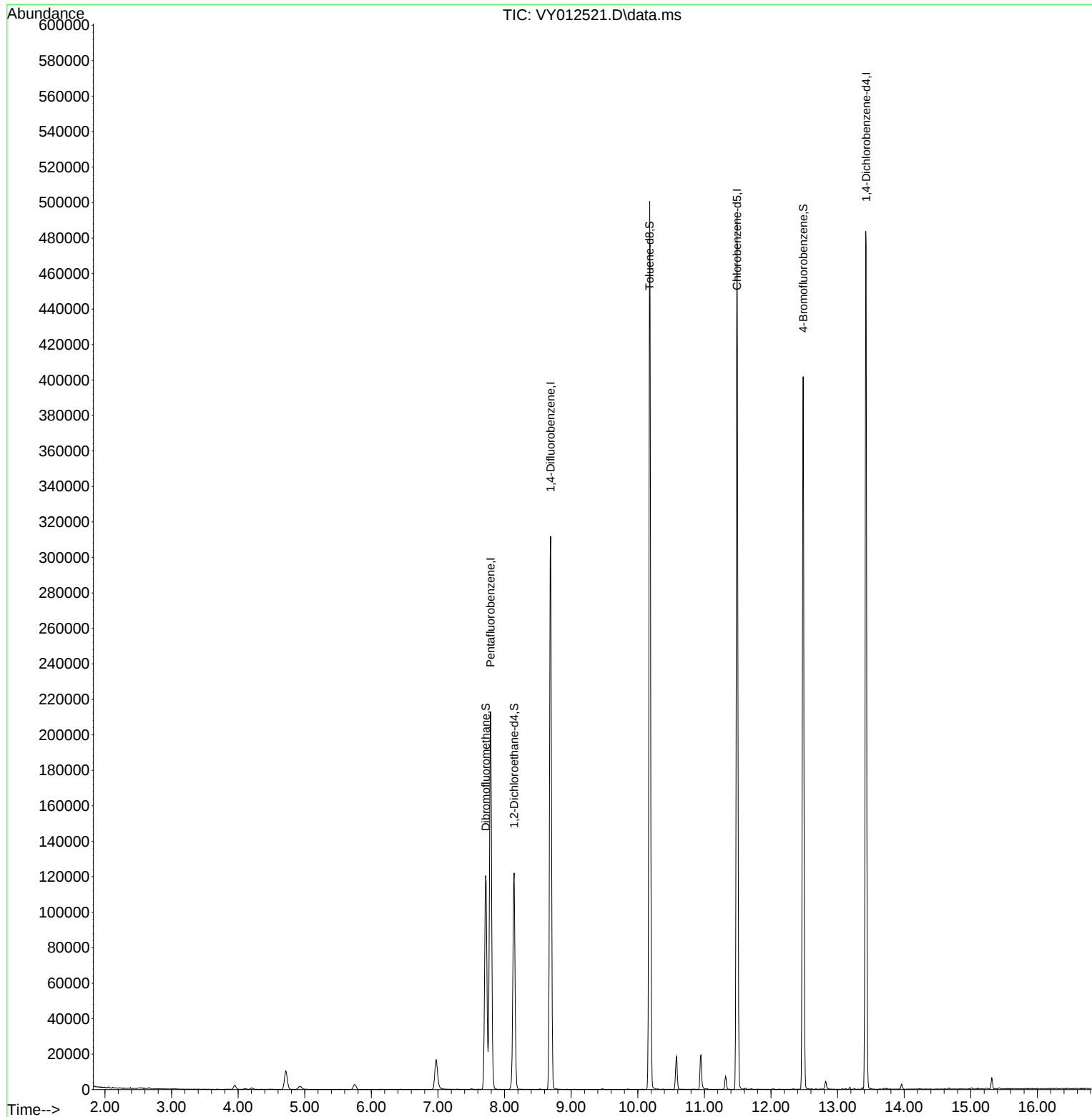
Target Compounds	Qvalue

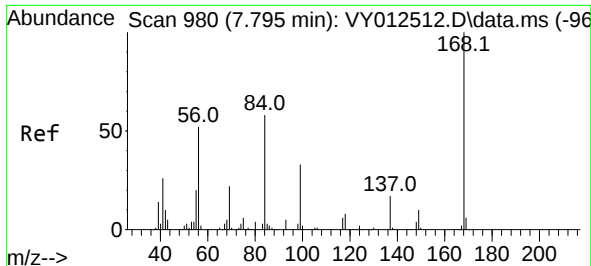
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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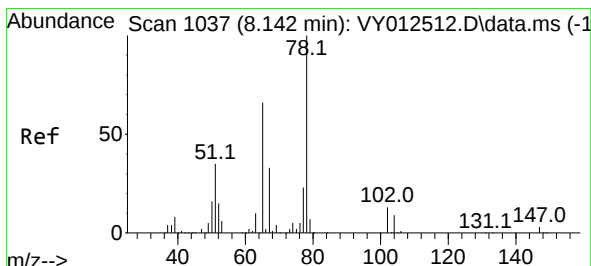
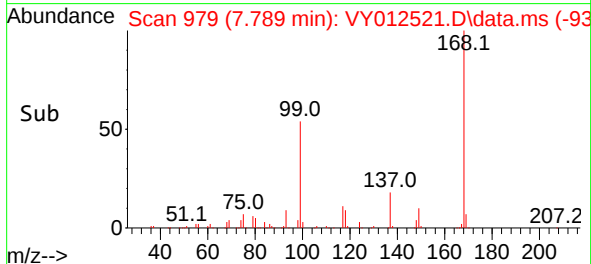
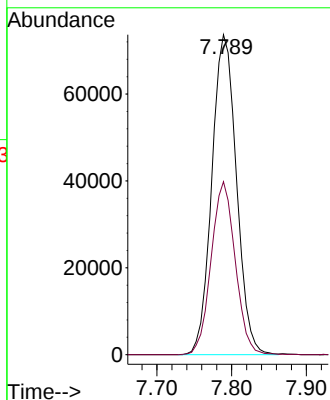
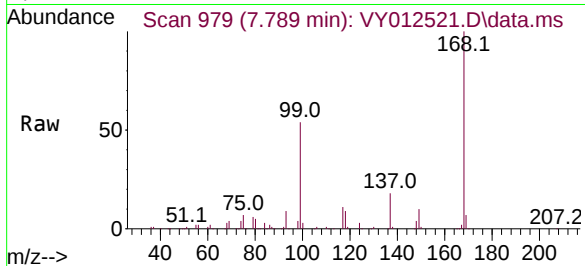




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

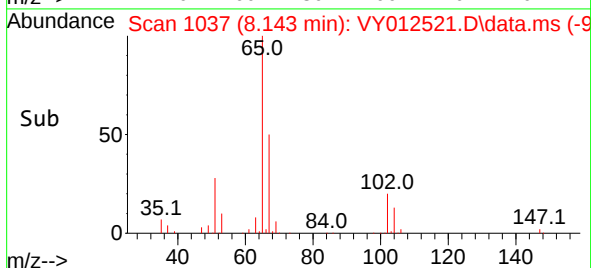
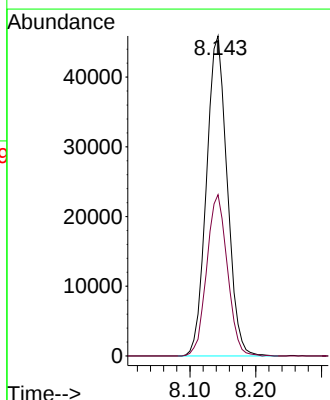
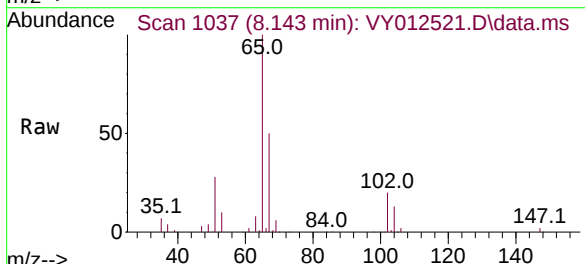
Instrument :
MSVOA_Y
ClientSampleId :
A-1

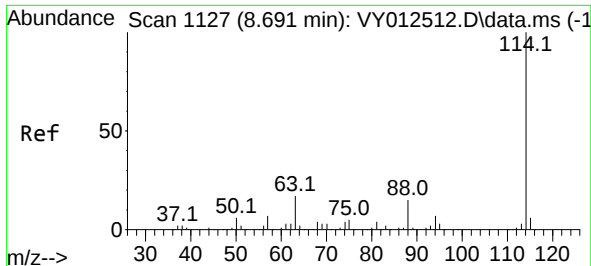
Tgt Ion:168 Resp: 168558
Ion Ratio Lower Upper
168 100
99 54.1 40.8 61.2



#33
1,2-Dichloroethane-d4
Concen: 46.997 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

Tgt Ion: 65 Resp: 100735
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

A-1

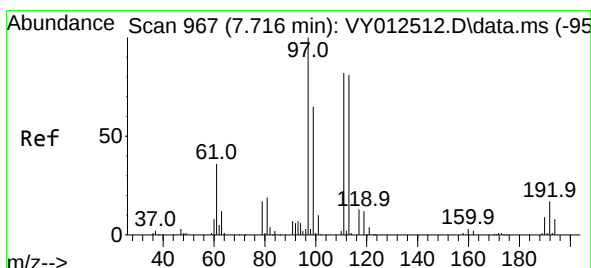
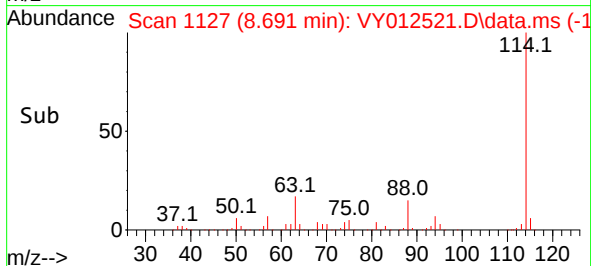
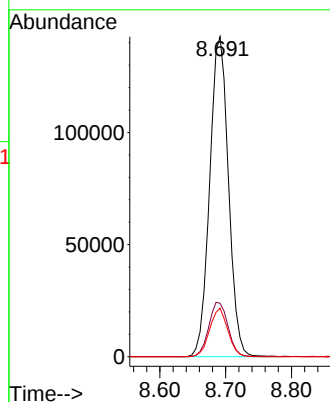
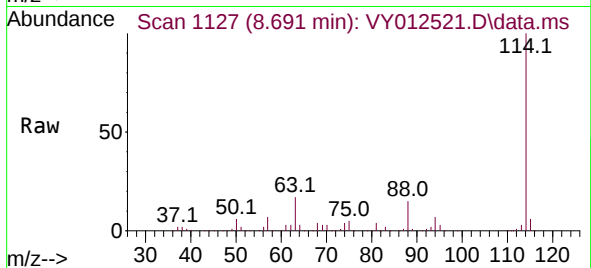
Tgt Ion:114 Resp: 283304

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.6

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.364 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

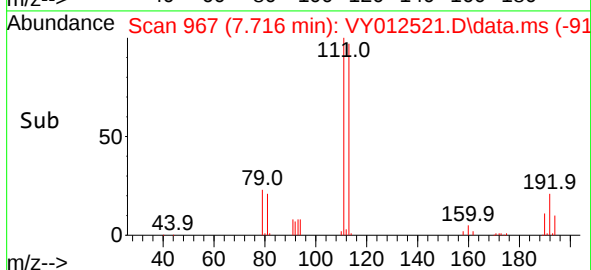
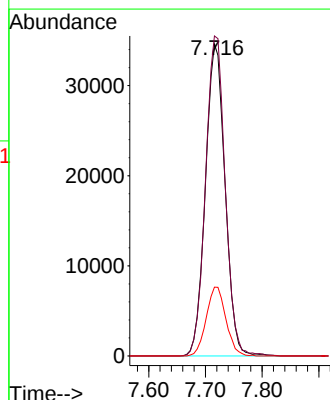
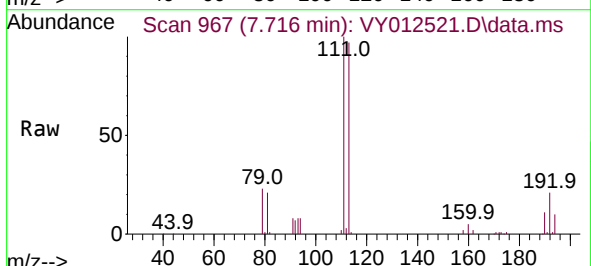
Tgt Ion:113 Resp: 83278

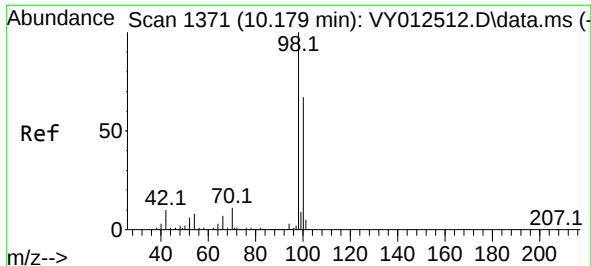
Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 22.1 17.5 26.3

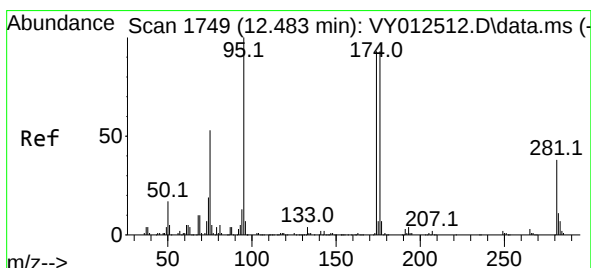
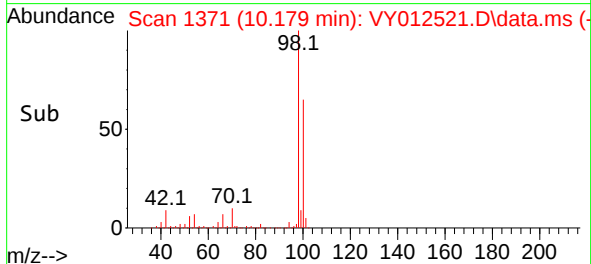
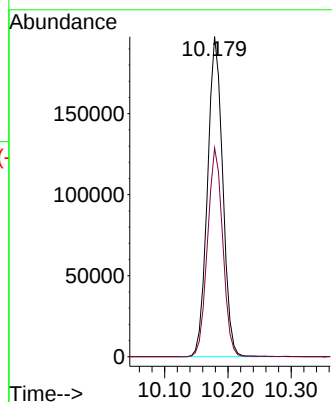
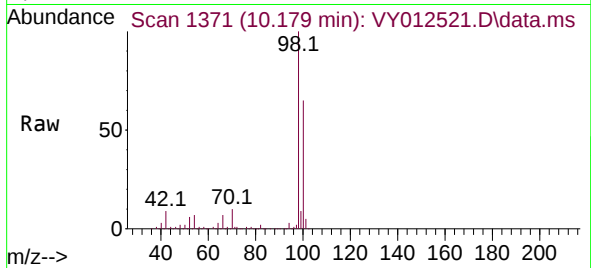




#50
Toluene-d8
Concen: 38.511 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

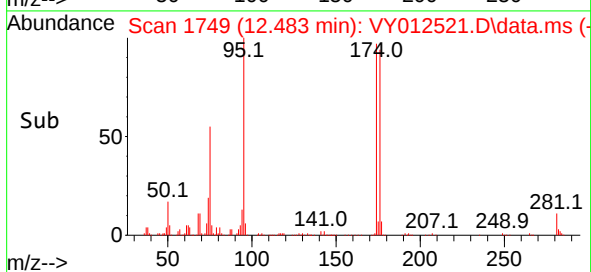
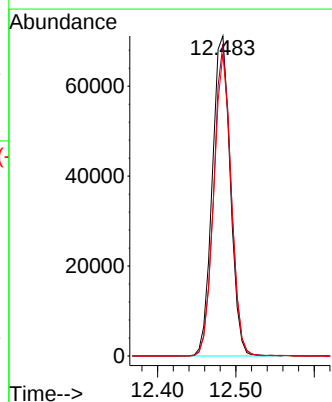
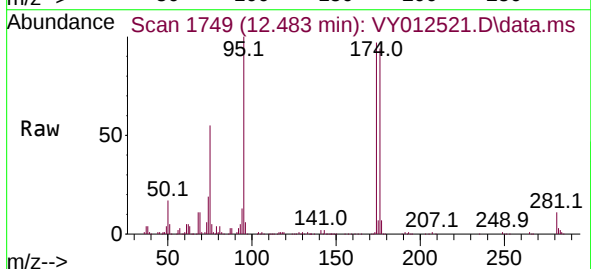
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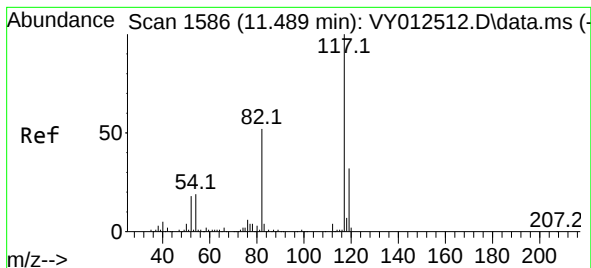
Tgt Ion: 98 Resp: 330713
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 38.001 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012521.D
Acq: 07 Feb 2023 16:13

Tgt Ion: 95 Resp: 113827
Ion Ratio Lower Upper
95 100
174 93.2 0.0 188.0
176 91.2 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

Instrument :

MSVOA_Y

ClientSampleId :

A-1

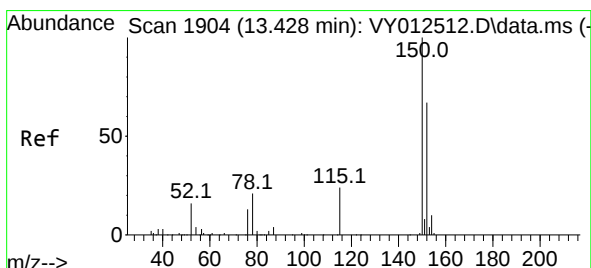
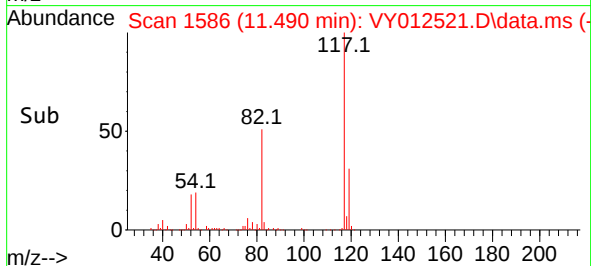
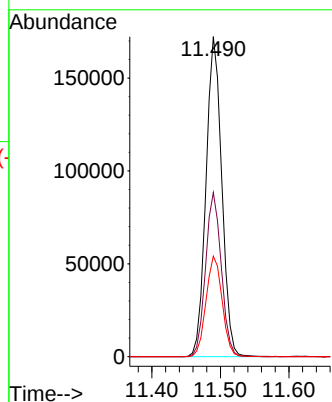
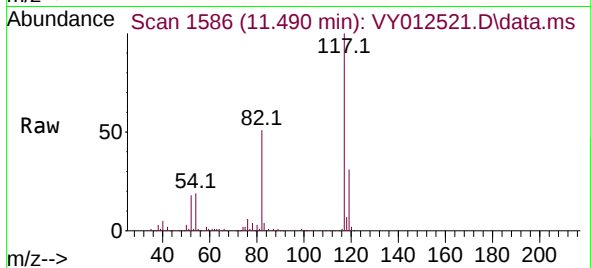
Tgt Ion:117 Resp: 276030

Ion Ratio Lower Upper

117 100

82 51.3 41.7 62.5

119 31.4 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012521.D

Acq: 07 Feb 2023 16:13

Tgt Ion:152 Resp: 130021

Ion Ratio Lower Upper

152 100

115 57.2 28.1 84.3

150 156.5 0.0 351.0

