

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014583.D
 Acq On : 06 Jul 2023 13:07
 Operator : KP/MD
 Sample : 03521-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HAWTHORNE-COMP

Quant Time: Jul 07 06:12:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	233894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	360603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	368711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171728	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128205	55.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.200%
35) Dibromofluoromethane	7.710	113	118999	53.588	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.180%
50) Toluene-d8	10.173	98	420536	47.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.477	95	149626	49.087	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.180%

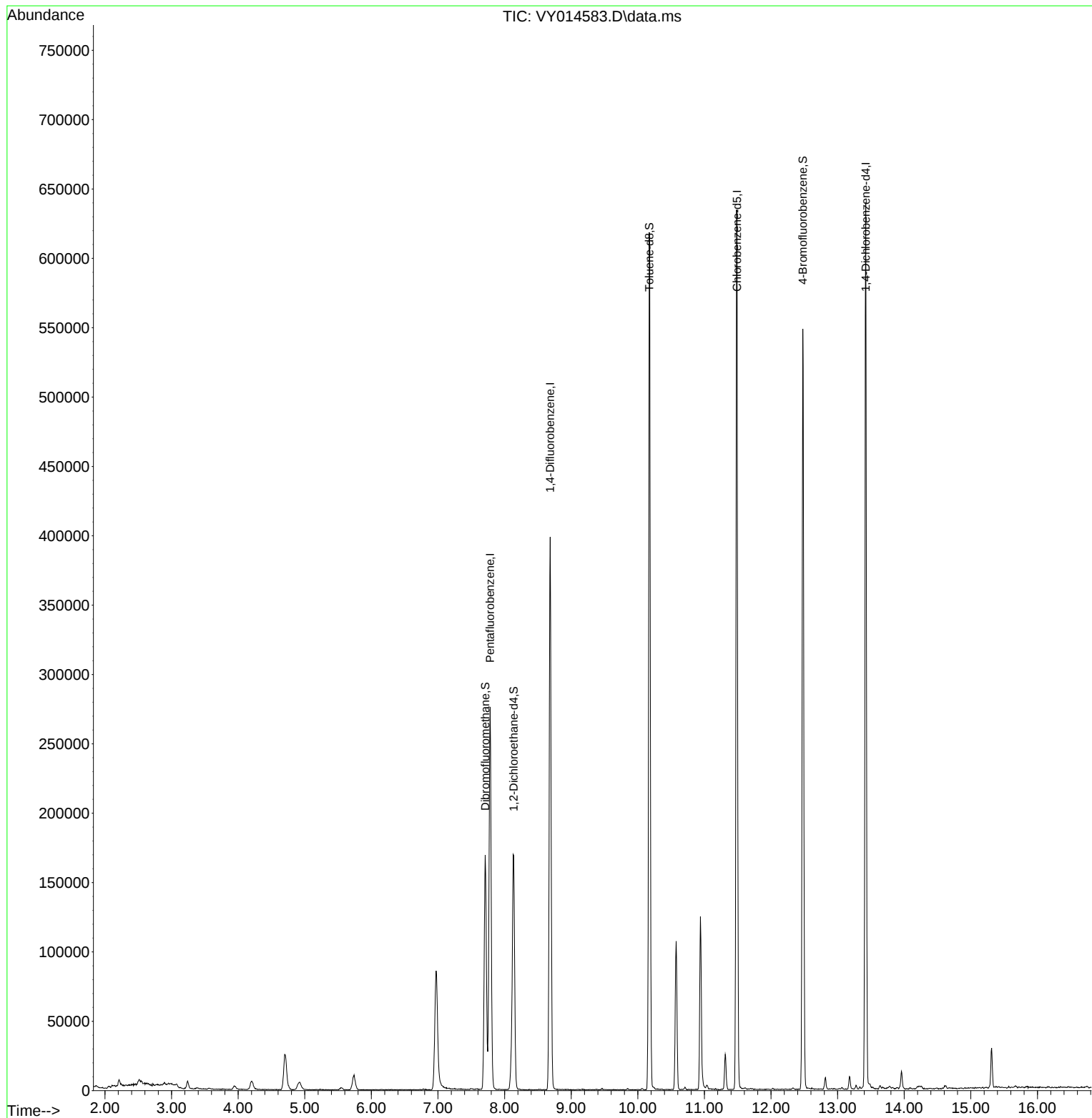
Target Compounds	Qvalue

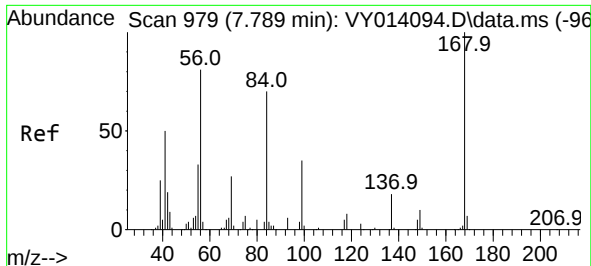
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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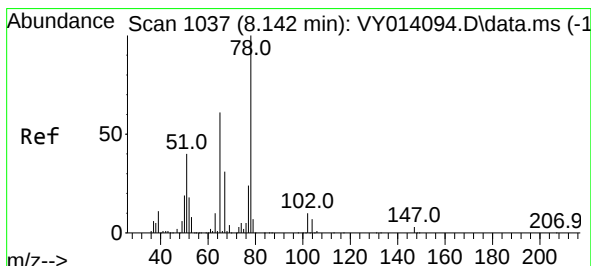
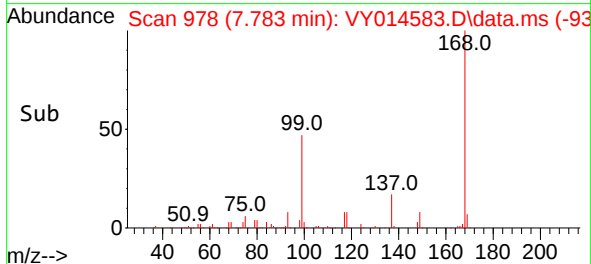
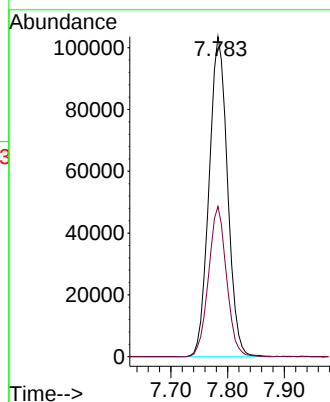
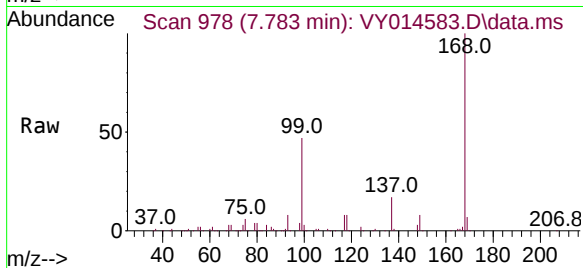




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014583.D
Acq: 06 Jul 2023 13:07

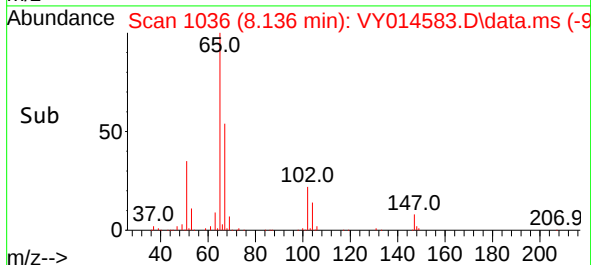
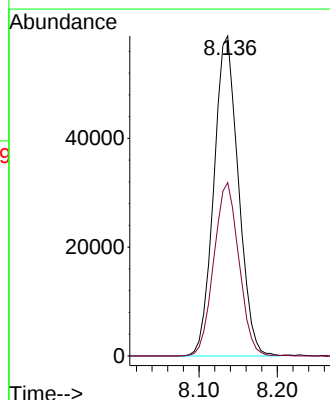
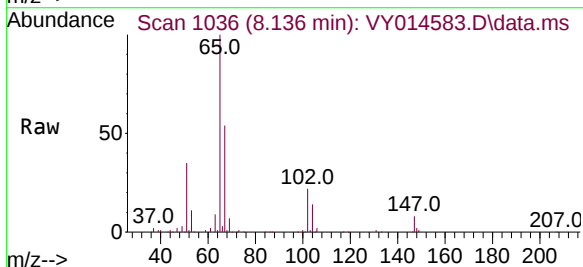
Instrument :
MSVOA_Y
ClientSampleId :
HAWTHORNE-COMP

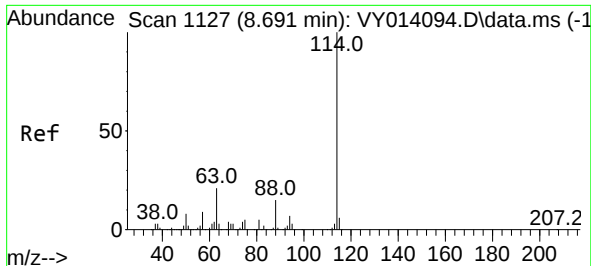
Tgt Ion:168 Resp: 233894
Ion Ratio Lower Upper
168 100
99 46.9 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 55.101 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014583.D
Acq: 06 Jul 2023 13:07

Tgt Ion: 65 Resp: 128205
Ion Ratio Lower Upper
65 100
67 55.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014583.D

Acq: 06 Jul 2023 13:07

Instrument :

MSVOA_Y

ClientSampleId :

HAWTHORNE-COMP

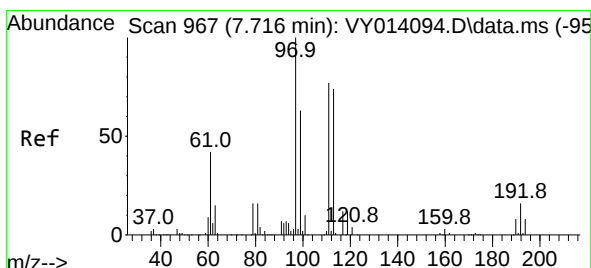
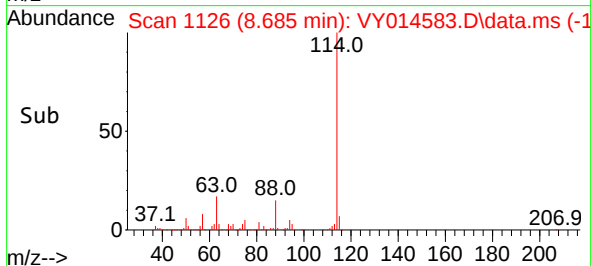
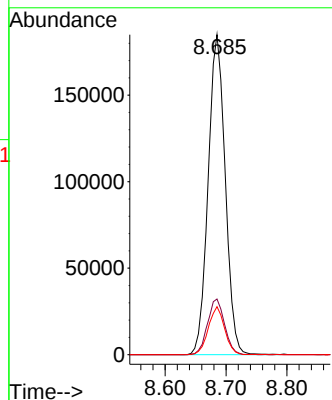
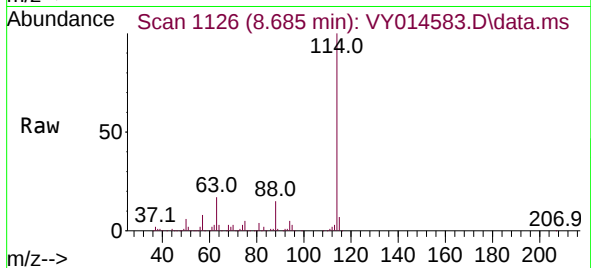
Tgt Ion:114 Resp: 360603

Ion Ratio Lower Upper

114 100

63 17.4 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.588 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014583.D

Acq: 06 Jul 2023 13:07

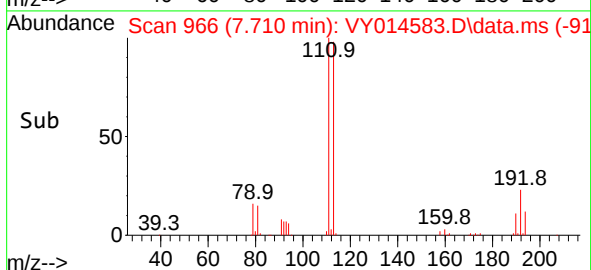
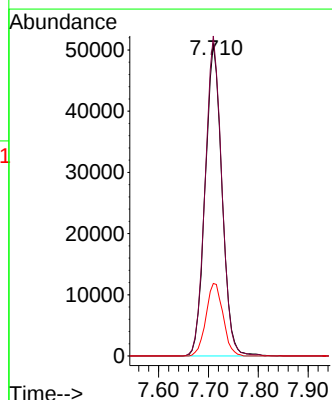
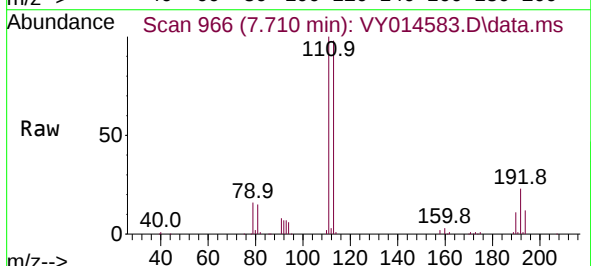
Tgt Ion:113 Resp: 118999

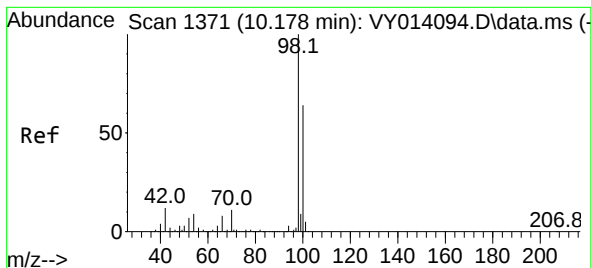
Ion Ratio Lower Upper

113 100

111 101.7 81.3 121.9

192 23.7 16.9 25.3





#50

Toluene-d8

Concen: 47.906 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.005 min

Lab File: VY014583.D

Acq: 06 Jul 2023 13:07

Instrument :

MSVOA_Y

ClientSampleId :

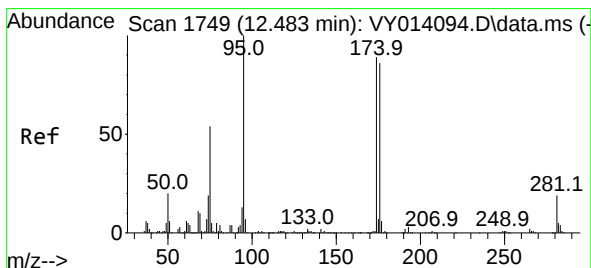
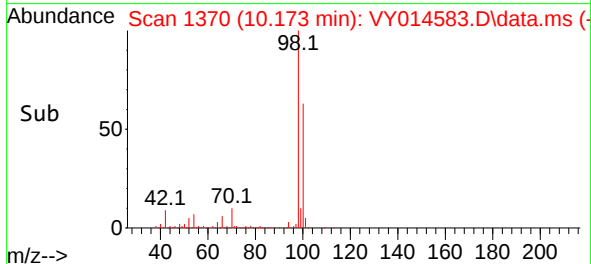
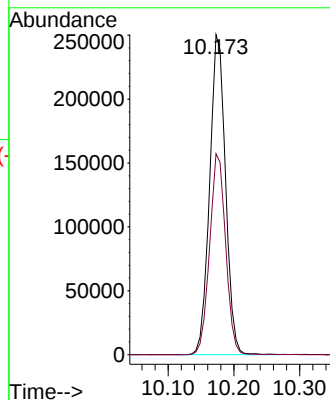
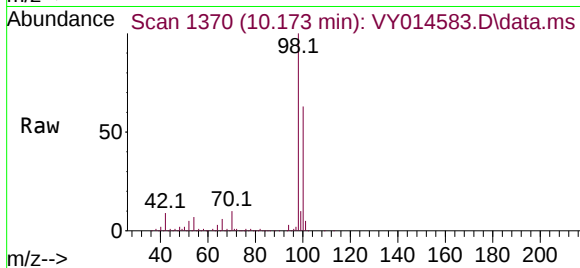
HAWTHORNE-COMP

Tgt Ion: 98 Resp: 420536

Ion Ratio Lower Upper

98 100

100 63.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.087 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014583.D

Acq: 06 Jul 2023 13:07

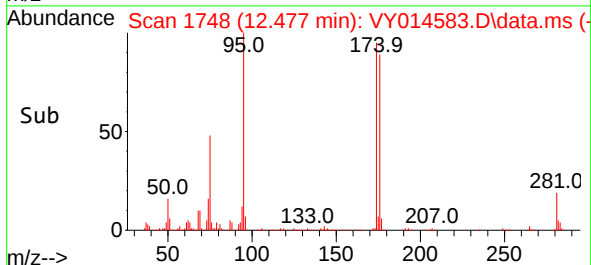
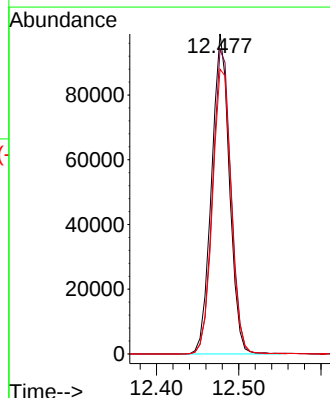
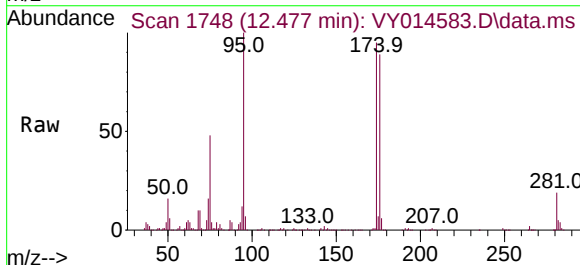
Tgt Ion: 95 Resp: 149626

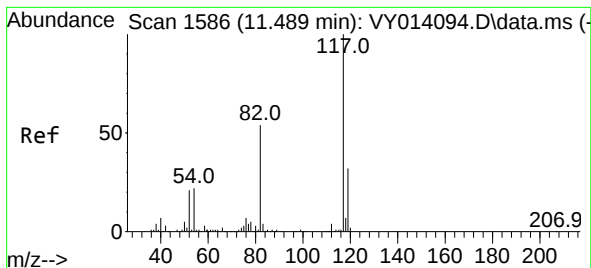
Ion Ratio Lower Upper

95 100

174 97.7 0.0 178.2

176 92.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014583.D

Acq: 06 Jul 2023 13:07

Instrument :

MSVOA_Y

ClientSampleId :

HAWTHORNE-COMP

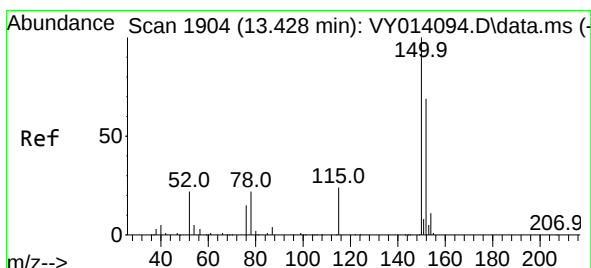
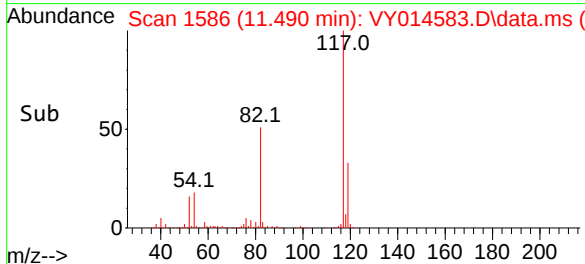
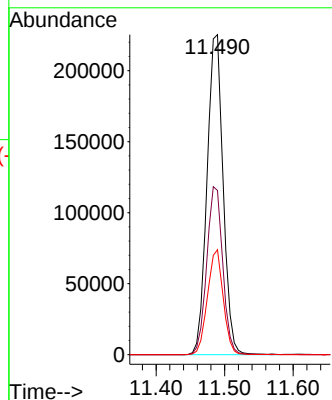
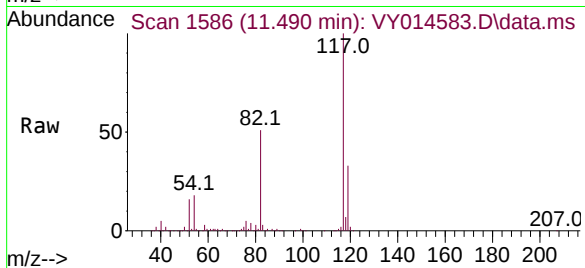
Tgt Ion:117 Resp: 368711

Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.0

119 32.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014583.D

Acq: 06 Jul 2023 13:07

Tgt Ion:152 Resp: 171728

Ion Ratio Lower Upper

152 100

115 55.0 28.8 86.5

150 157.0 0.0 348.8

