

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091123\
 Data File : VY015501.D
 Acq On : 11 Sep 2023 20:49
 Operator : SY/MD
 Sample : 04351-01
 Misc : 4.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CPT101-02-(2-2.5)

Quant Time: Sep 12 01:23:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	313024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	514655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	465973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	223685	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	196562	58.578	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.160%
35) Dibromofluoromethane	7.716	113	161332	54.425	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.840%
50) Toluene-d8	10.179	98	604852	56.345	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.680%
62) 4-Bromofluorobenzene	12.477	95	207889	52.166	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.340%

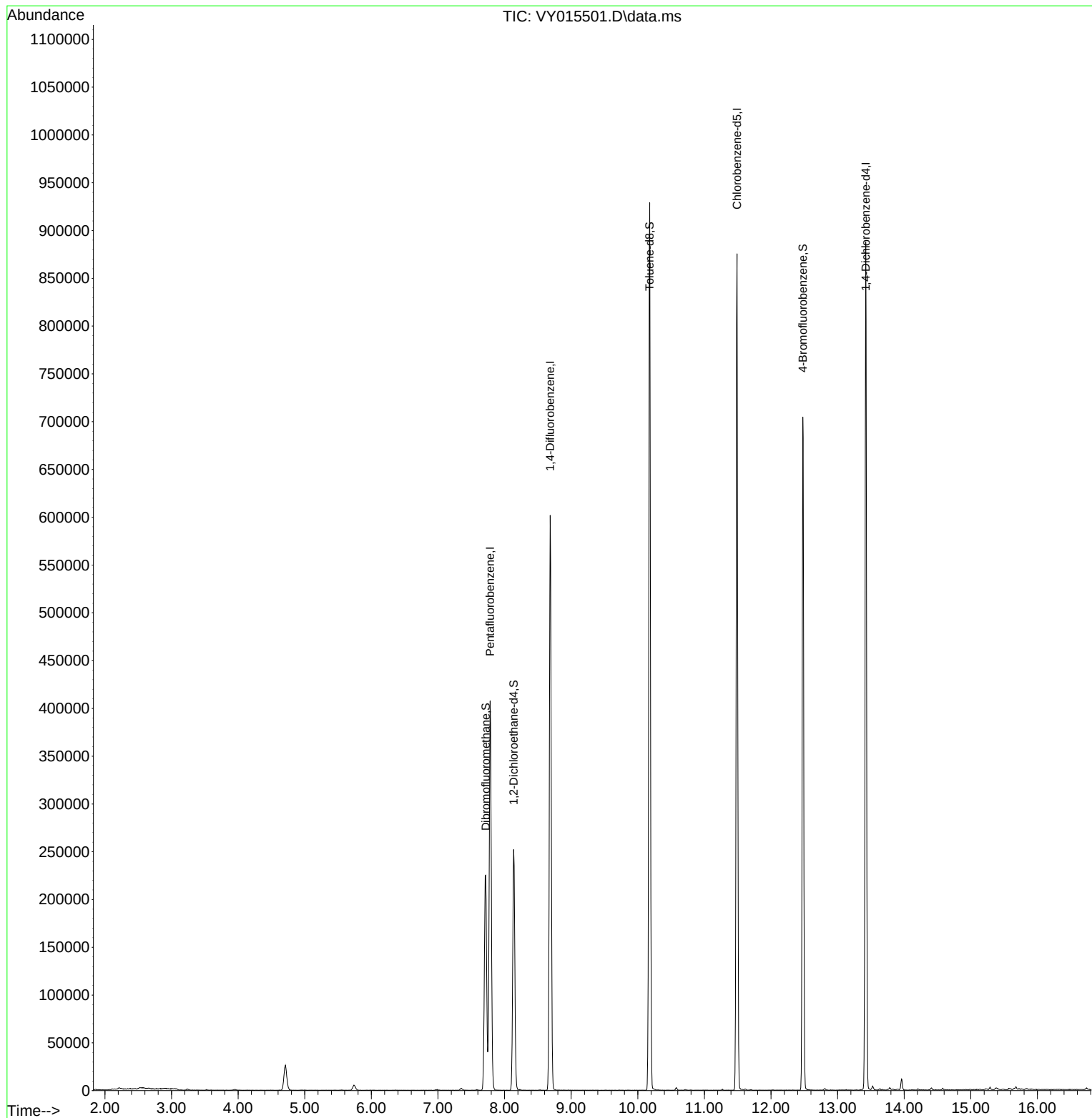
Target Compounds	Qvalue

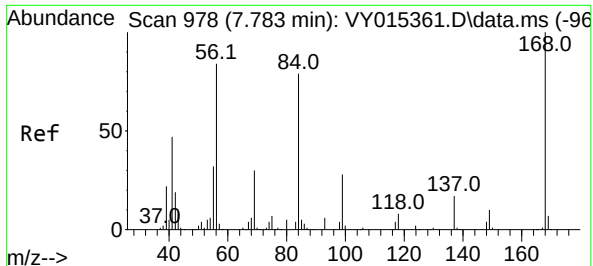
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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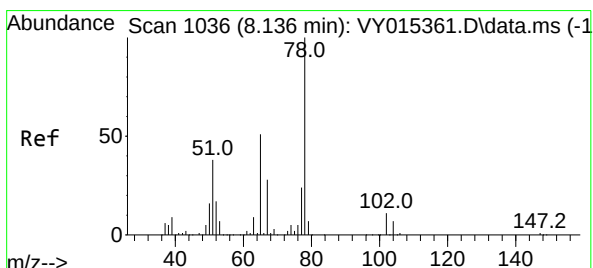
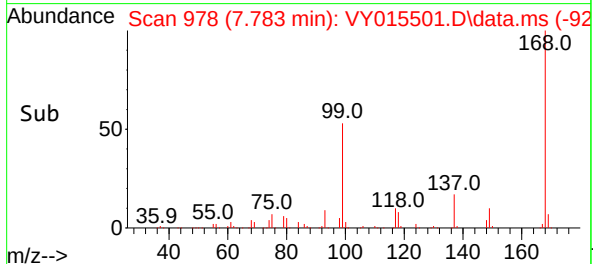
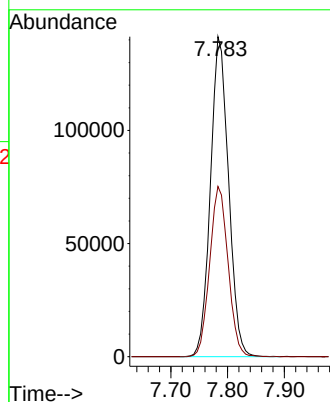
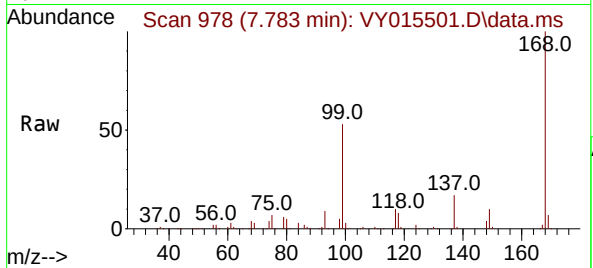




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015501.D
Acq: 11 Sep 2023 20:49

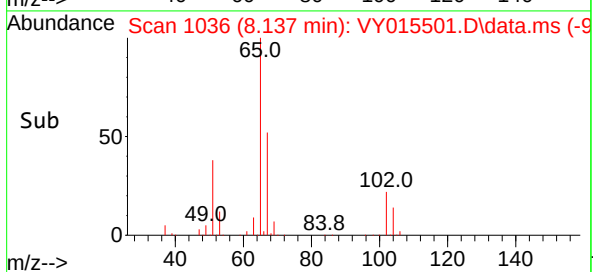
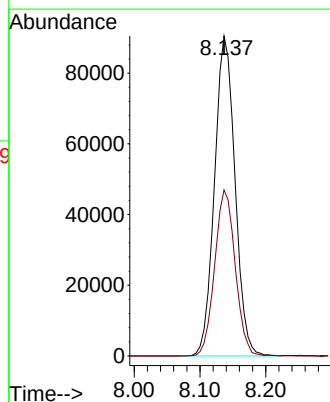
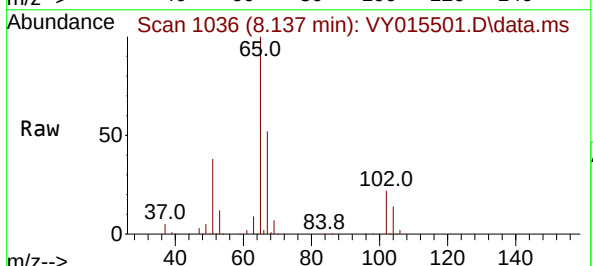
Instrument :
MSVOA_Y
ClientSampleId :
CPT101-02-(2-2.5)

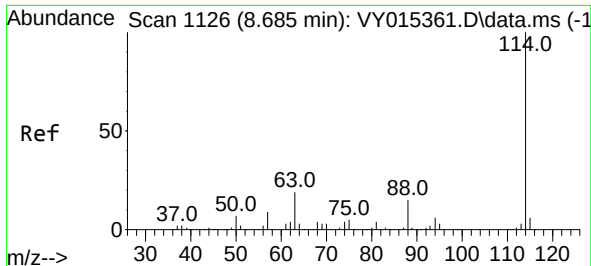
Tgt Ion:168 Resp: 313024
Ion Ratio Lower Upper
168 100
99 53.2 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 58.578 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015501.D
Acq: 11 Sep 2023 20:49

Tgt Ion: 65 Resp: 196562
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015501.D

Acq: 11 Sep 2023 20:49

Instrument :

MSVOA_Y

ClientSampleId :

CPT101-02-(2-2.5)

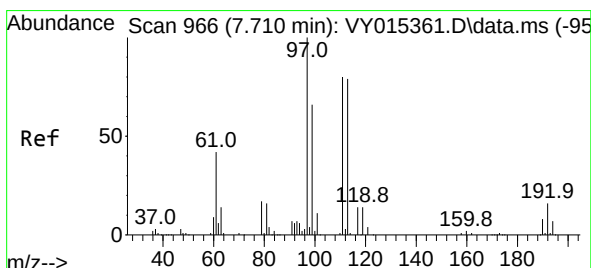
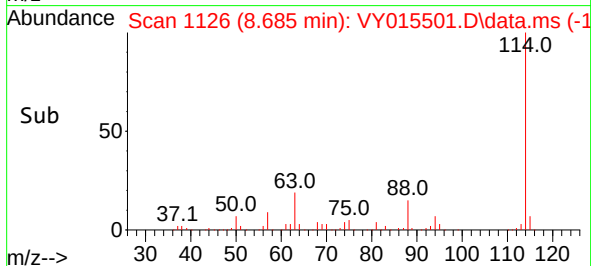
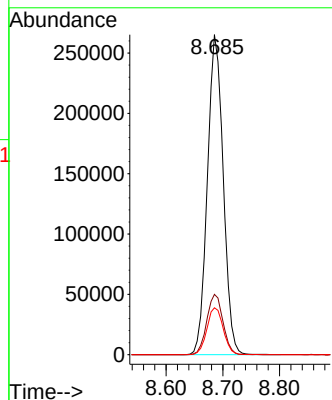
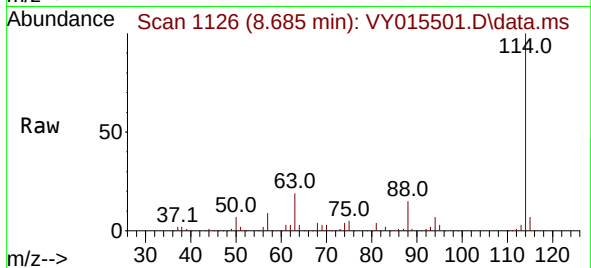
Tgt Ion:114 Resp: 514655

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.425 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015501.D

Acq: 11 Sep 2023 20:49

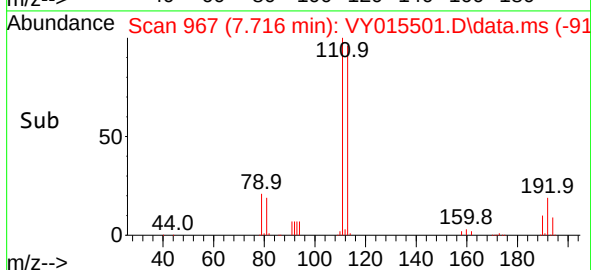
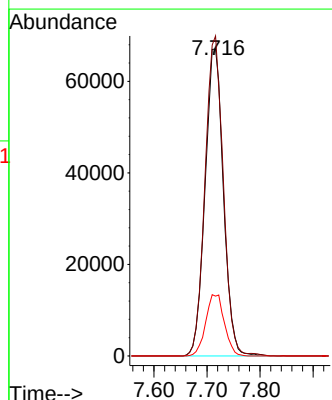
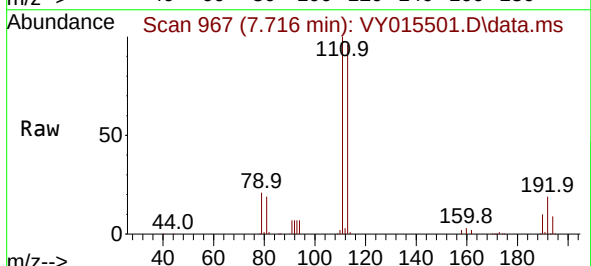
Tgt Ion:113 Resp: 161332

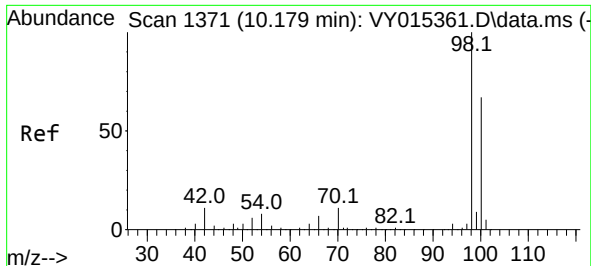
Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

192 20.3 16.9 25.3

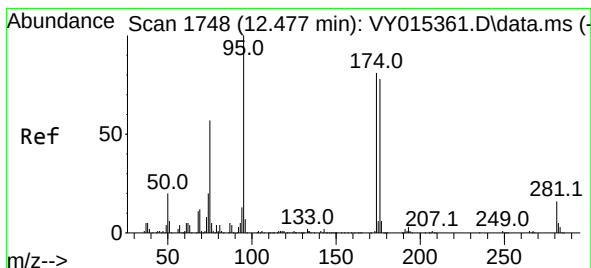
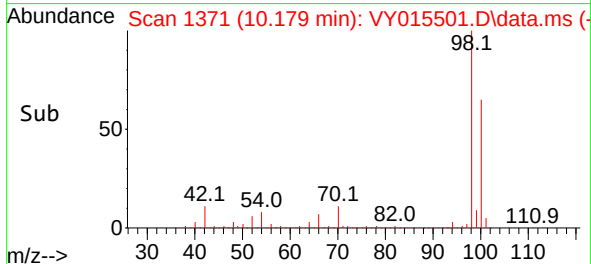
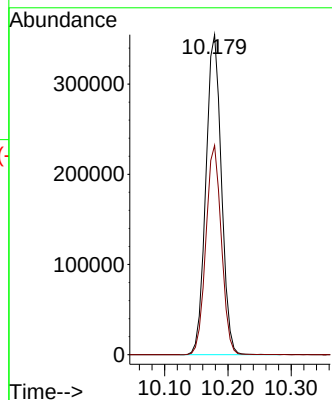
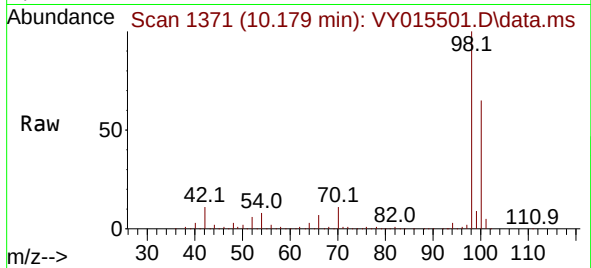




#50
Toluene-d8
Concen: 56.345 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015501.D
Acq: 11 Sep 2023 20:49

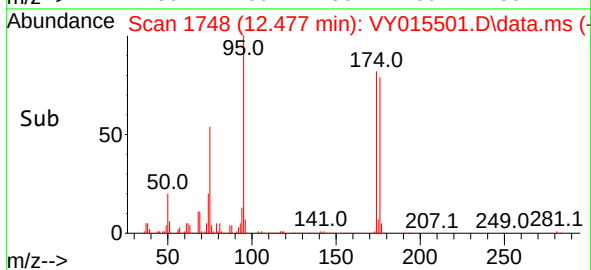
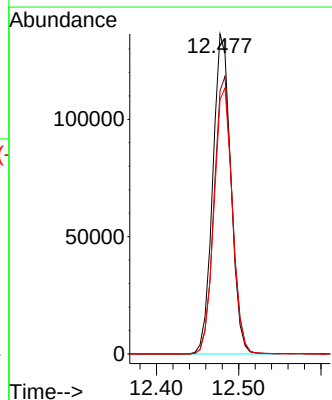
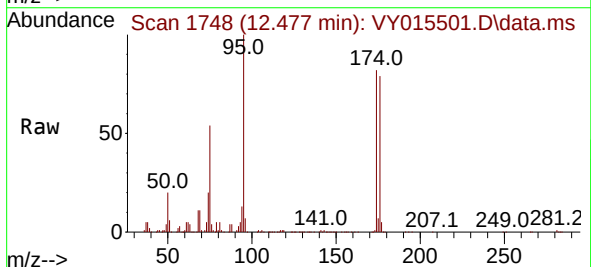
Instrument :
MSVOA_Y
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CPT101-02-(2-2.5)

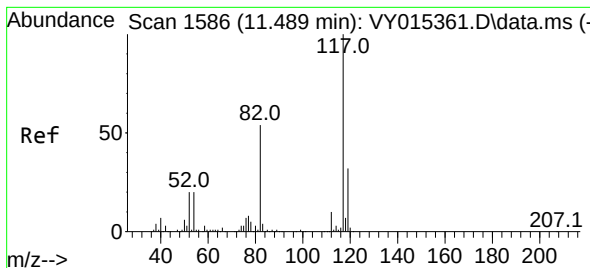
Tgt Ion: 98 Resp: 604852
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.166 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015501.D
Acq: 11 Sep 2023 20:49

Tgt Ion: 95 Resp: 207889
Ion Ratio Lower Upper
95 100
174 87.2 0.0 178.2
176 84.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015501.D

Acq: 11 Sep 2023 20:49

Instrument :

MSVOA_Y

ClientSampleId :

CPT101-02-(2-2.5)

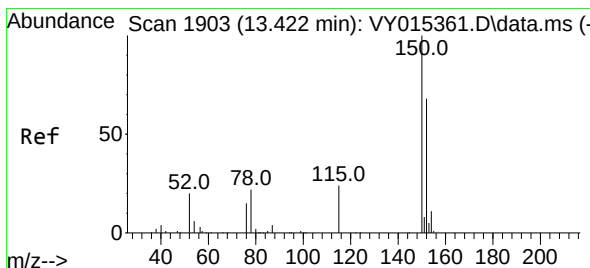
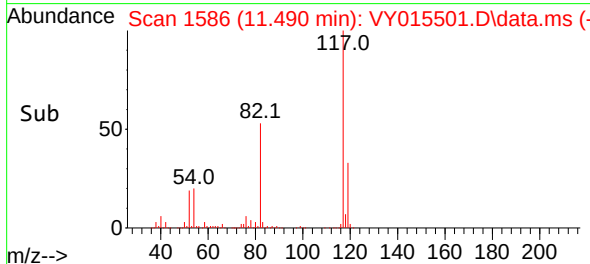
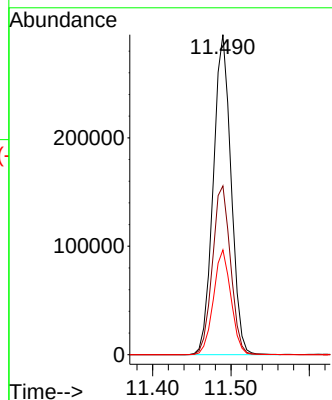
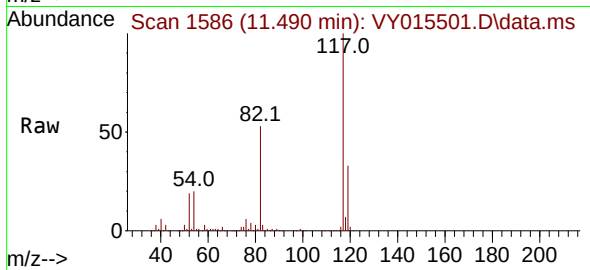
Tgt Ion:117 Resp: 465973

Ion Ratio Lower Upper

117 100

82 52.8 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. 0.000 min

Lab File: VY015501.D

Acq: 11 Sep 2023 20:49

Tgt Ion:152 Resp: 223685

Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.5

150 157.6 0.0 348.8

