

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042023\
 Data File : VY013367.D
 Acq On : 20 Apr 2023 14:50
 Operator : KP/MD
 Sample : 02371-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-23-5.0-5.5

Quant Time: Apr 21 02:14:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	147983	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.685	114	207450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	219361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128786	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	77434	43.541	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.080%
35) Dibromofluoromethane	7.728	113	72341	53.865	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.720%
50) Toluene-d8	10.179	98	200023	40.013	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	80.020%
62) 4-Bromofluorobenzene	12.483	95	66790	41.121	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.240%

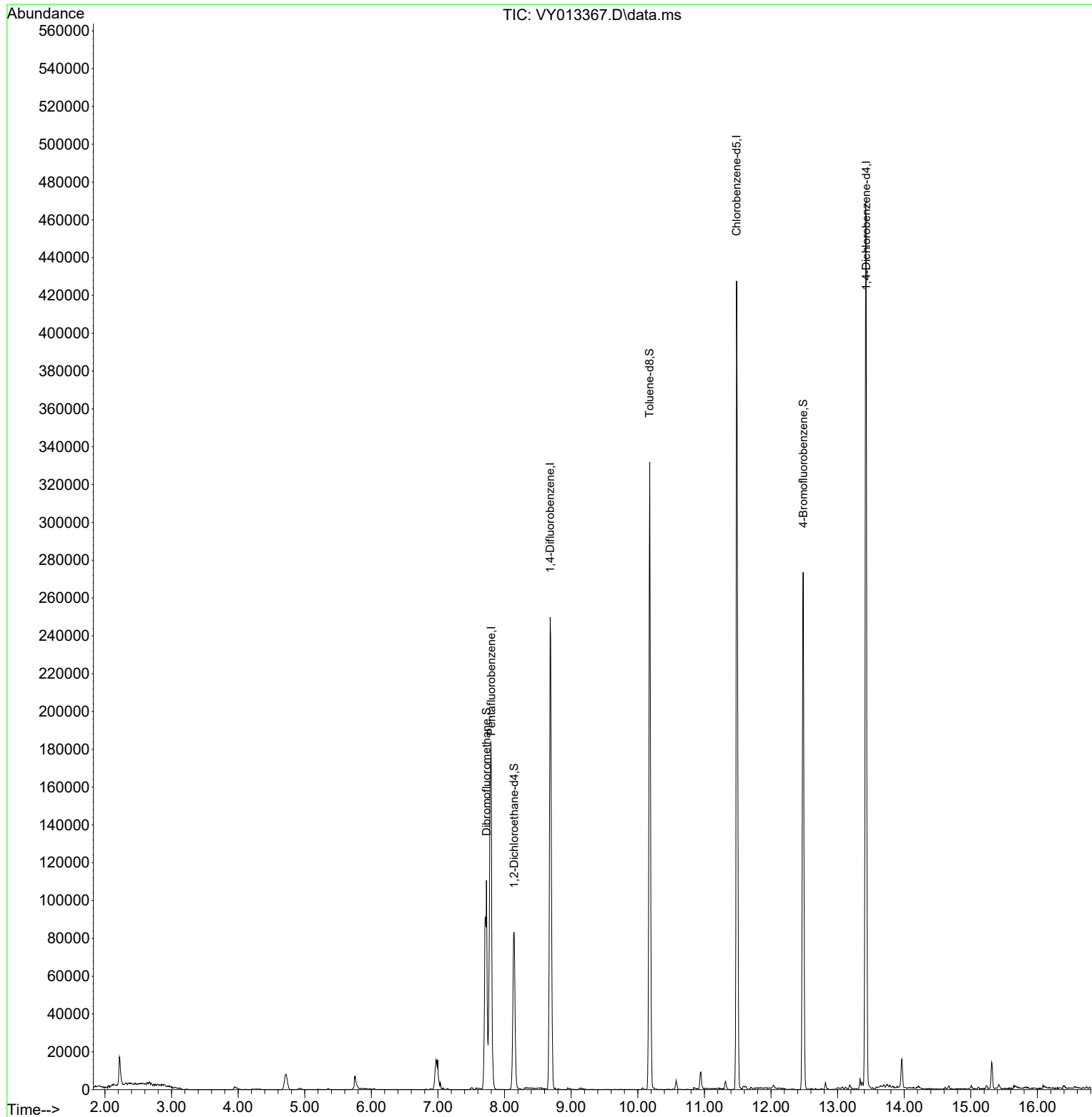
Target Compounds	Qvalue

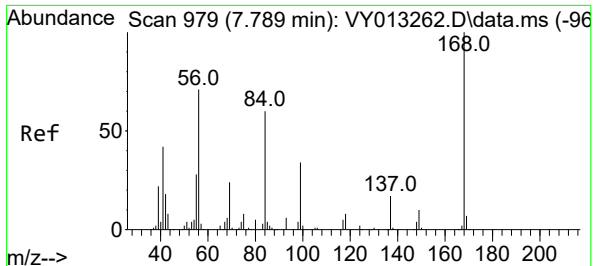
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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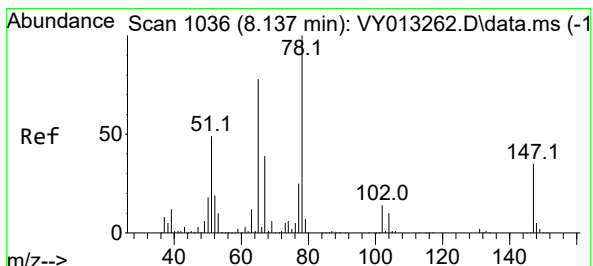
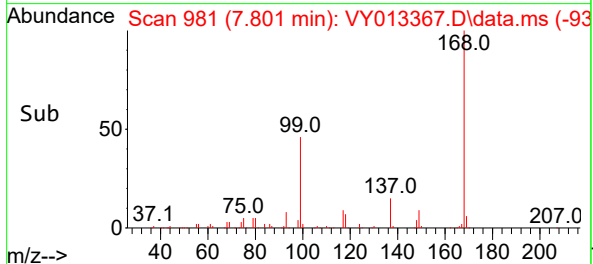
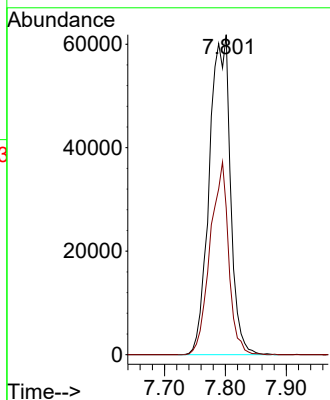
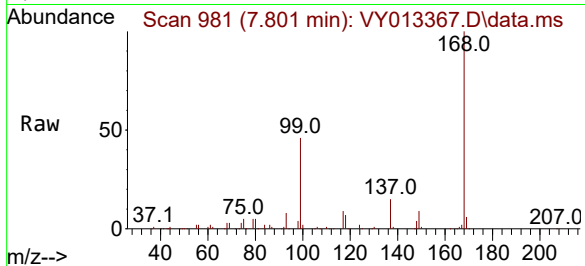




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

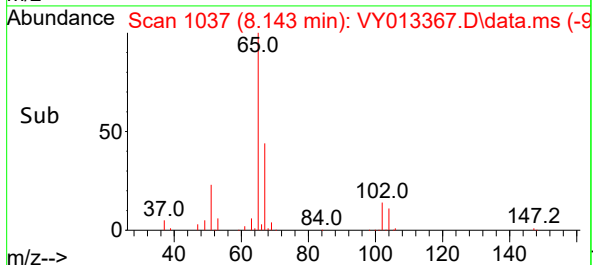
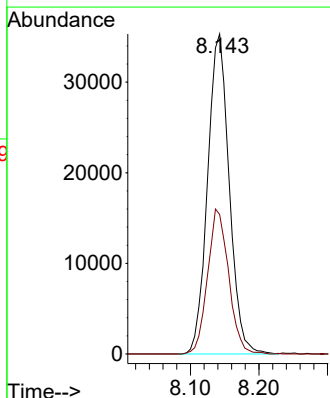
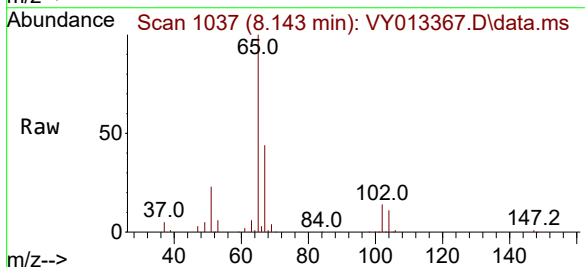
Instrument :
MSVOA_Y
ClientSampleId :
SB-23-5.0-5.5

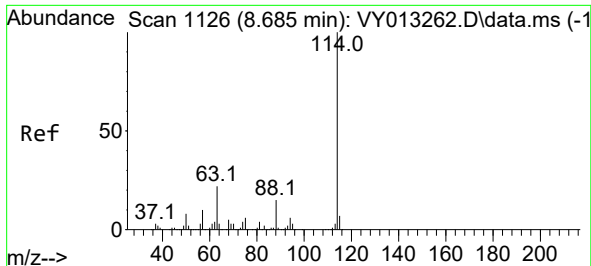
Tgt Ion:168 Resp: 147983
Ion Ratio Lower Upper
168 100
99 45.9 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 43.541 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

Tgt Ion: 65 Resp: 77434
Ion Ratio Lower Upper
65 100
67 44.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013367.D

Acq: 20 Apr 2023 14:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-23-5.0-5.5

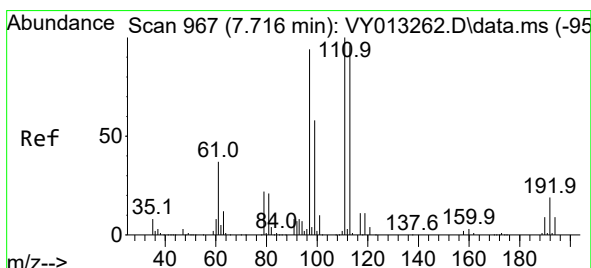
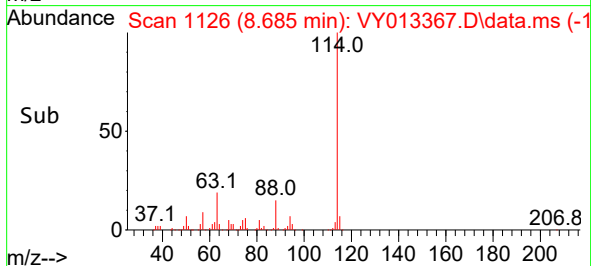
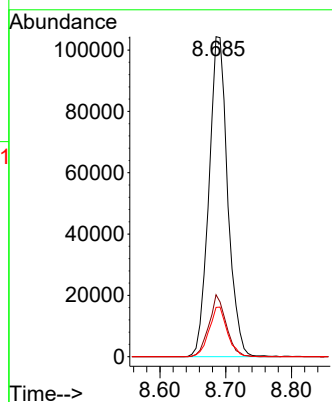
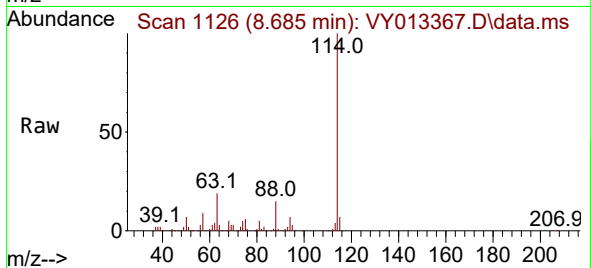
Tgt Ion:114 Resp: 207450

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 15.4 0.0 28.6



#35

Dibromofluoromethane

Concen: 53.865 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY013367.D

Acq: 20 Apr 2023 14:50

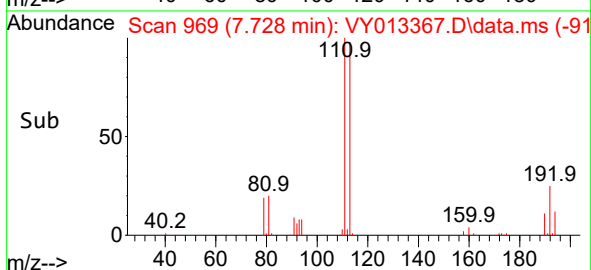
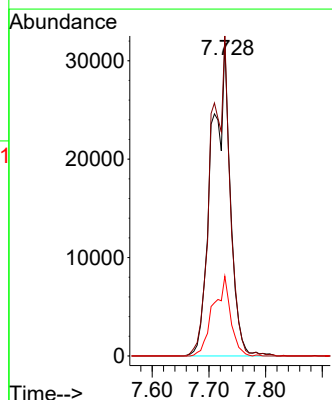
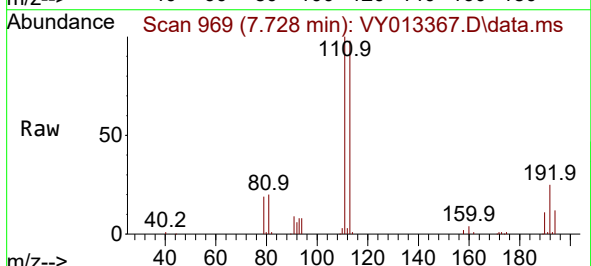
Tgt Ion:113 Resp: 72341

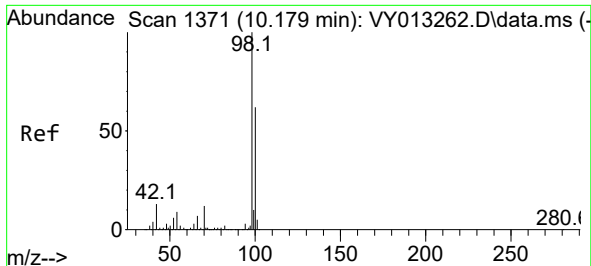
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

192 23.8 16.8 25.2

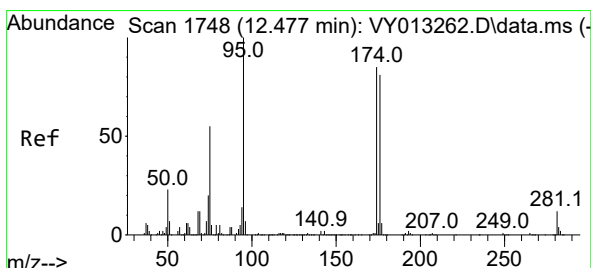
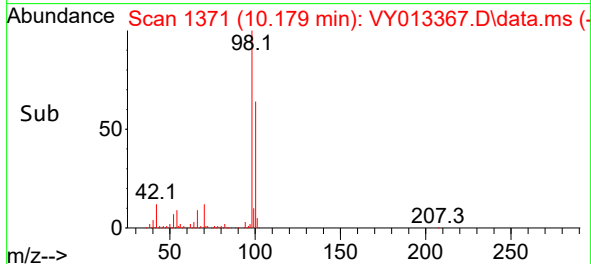
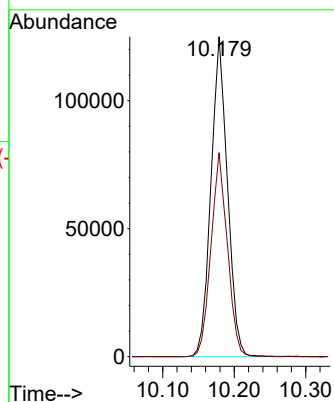
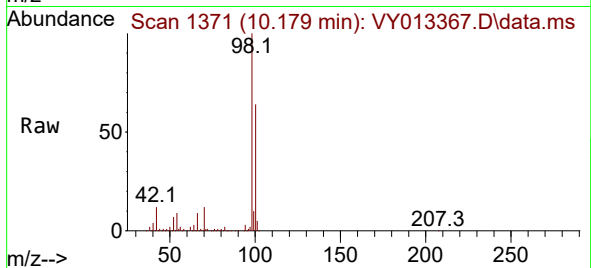




#50
Toluene-d8
Concen: 40.013 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

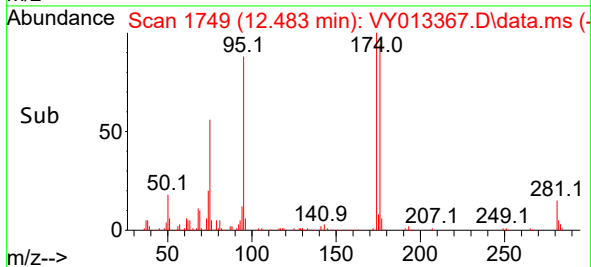
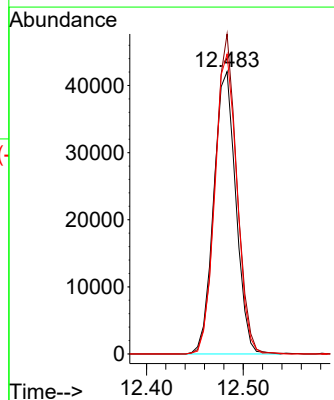
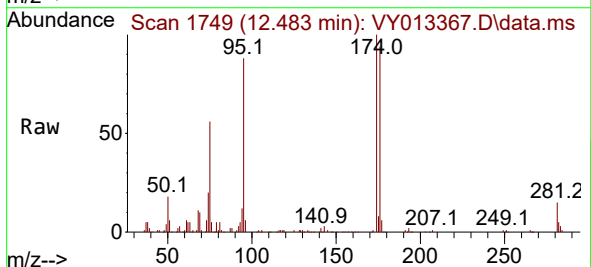
Instrument :
MSVOA_Y
ClientSampleId :
SB-23-5.0-5.5

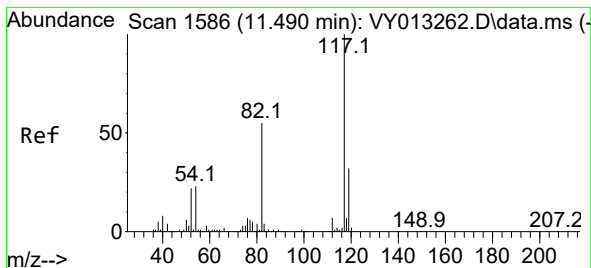
Tgt Ion: 98 Resp: 200023
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 41.121 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013367.D
Acq: 20 Apr 2023 14:50

Tgt Ion: 95 Resp: 66790
Ion Ratio Lower Upper
95 100
174 110.8 0.0 176.6
176 105.8 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013367.D

Acq: 20 Apr 2023 14:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-23-5.0-5.5

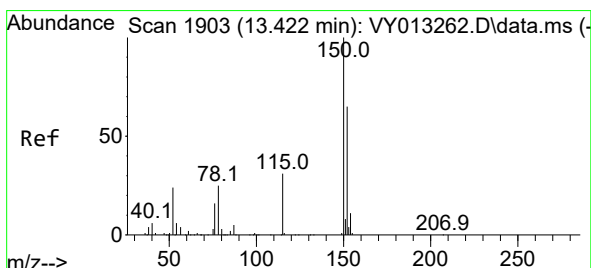
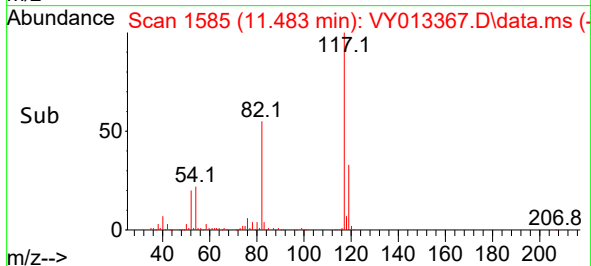
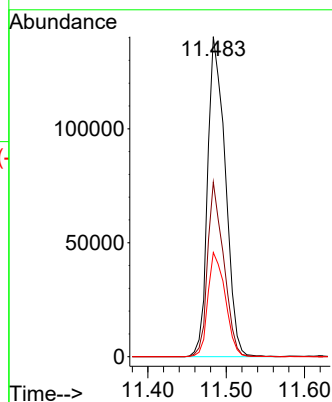
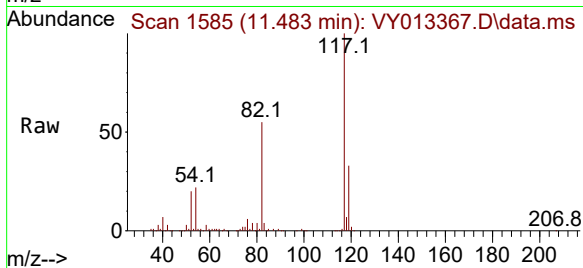
Tgt Ion:117 Resp: 219361

Ion Ratio Lower Upper

117 100

82 54.5 45.4 68.0

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013367.D

Acq: 20 Apr 2023 14:50

Tgt Ion:152 Resp: 128786

Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.3

150 154.8 0.0 347.8

