

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013744.D
 Acq On : 15 May 2023 18:24
 Operator : KP/MD
 Sample : 02760-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-4-051123

Quant Time: May 16 01:34:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	180979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	317415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	307591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145229	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	121226	61.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.200%
35) Dibromofluoromethane	7.716	113	106977	53.585	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.180%
50) Toluene-d8	10.179	98	388768	54.741	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.480%
62) 4-Bromofluorobenzene	12.477	95	130902	54.673	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.340%

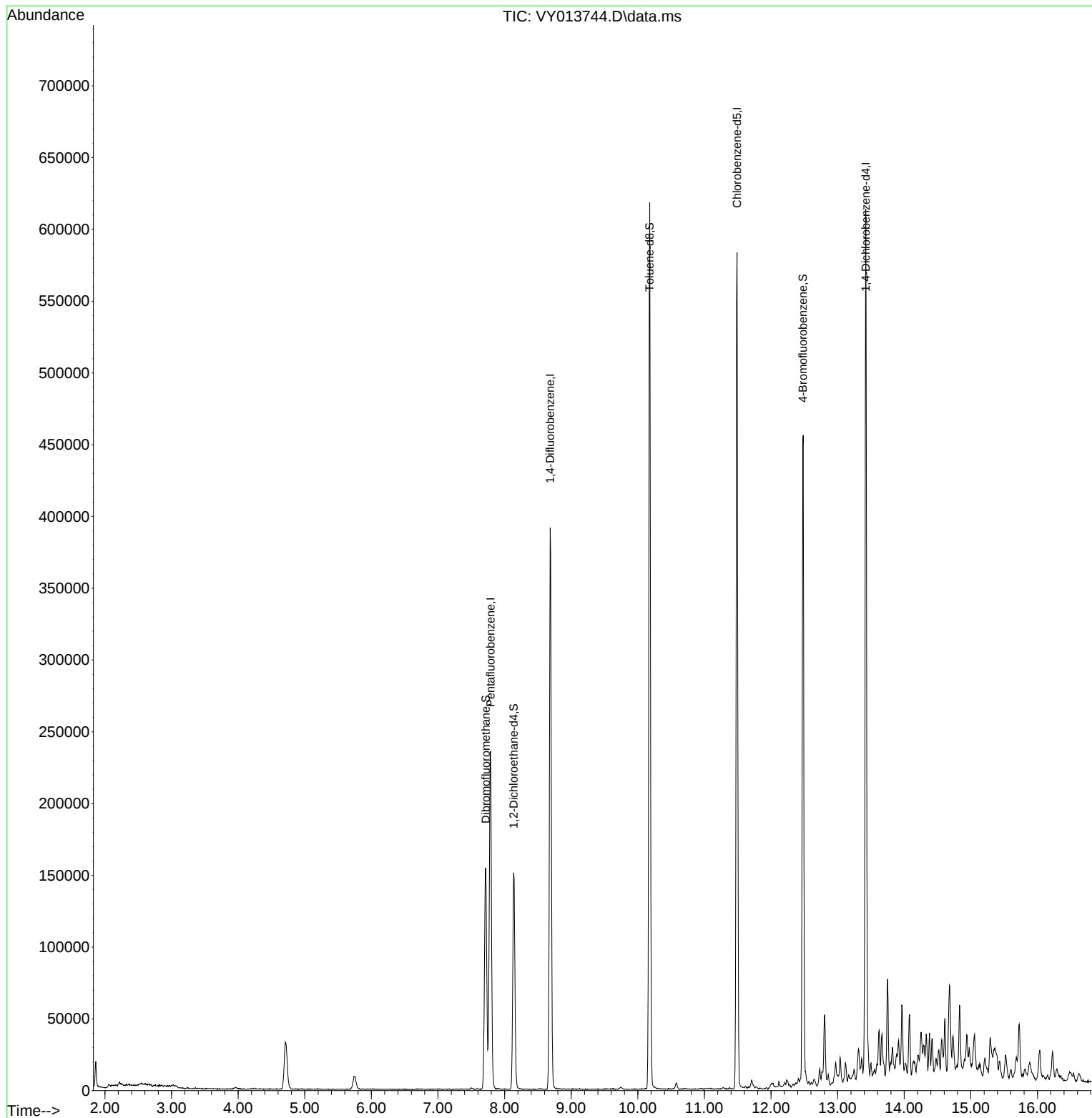
Target Compounds	Qvalue

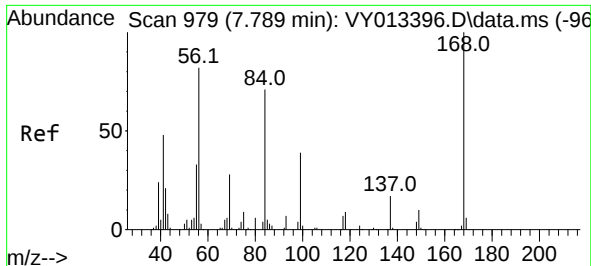
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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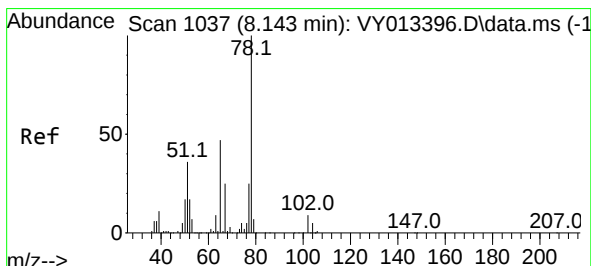
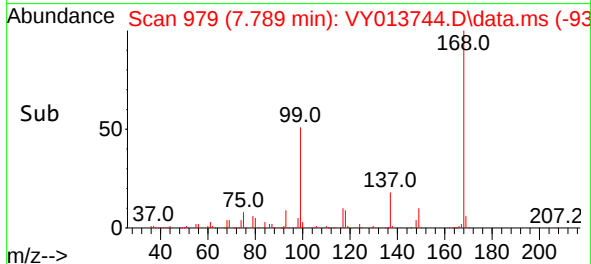
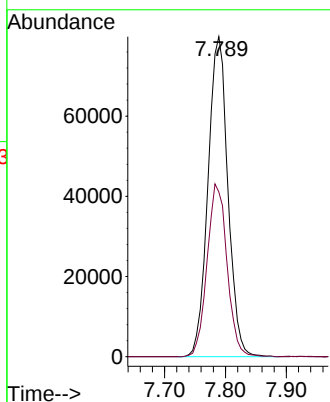
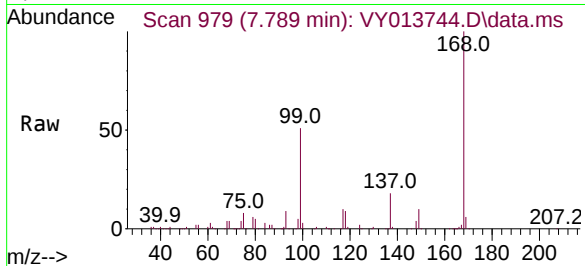




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013744.D
Acq: 15 May 2023 18:24

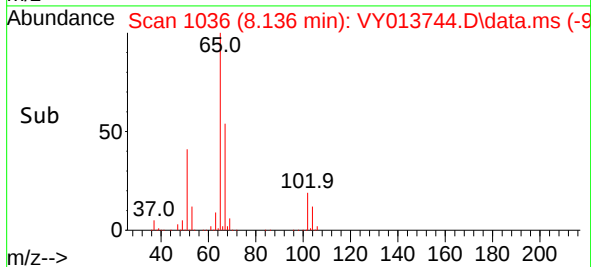
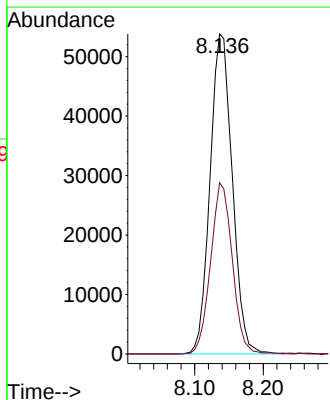
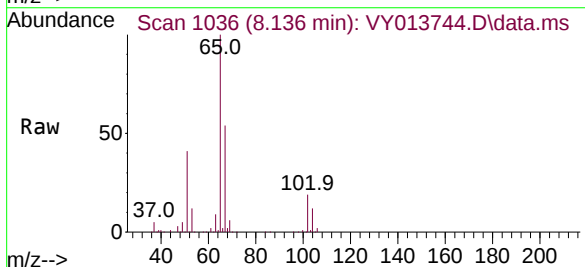
Instrument :
MSVOA_Y
ClientSampleId :
HR-4-051123

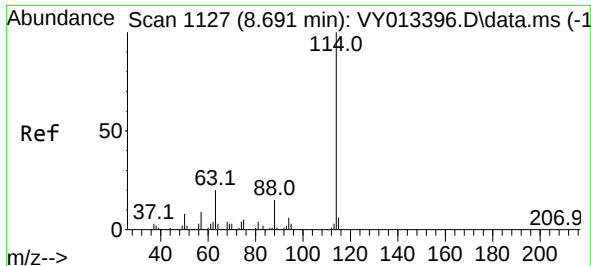
Tgt Ion:168 Resp: 180979
Ion Ratio Lower Upper
168 100
99 51.4 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 61.104 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013744.D
Acq: 15 May 2023 18:24

Tgt Ion: 65 Resp: 121226
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013744.D

Acq: 15 May 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

HR-4-051123

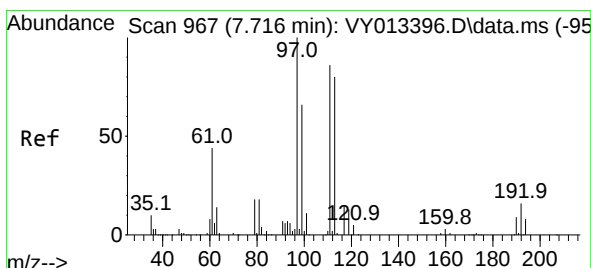
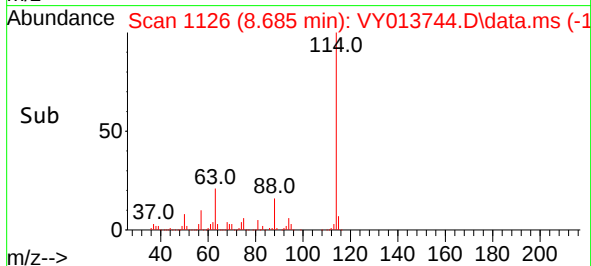
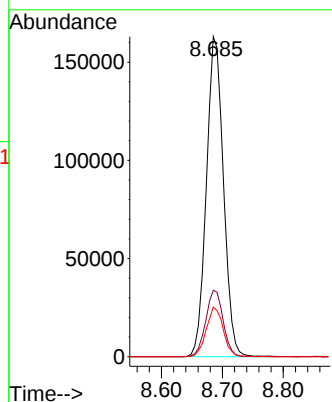
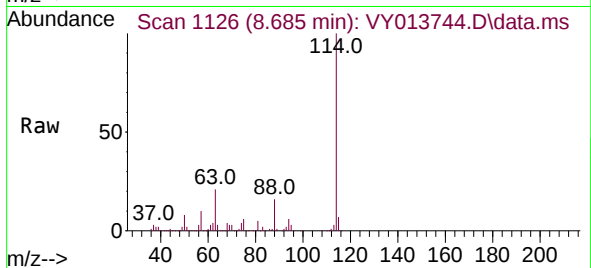
Tgt Ion:114 Resp: 317415

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.6

88 15.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 53.585 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013744.D

Acq: 15 May 2023 18:24

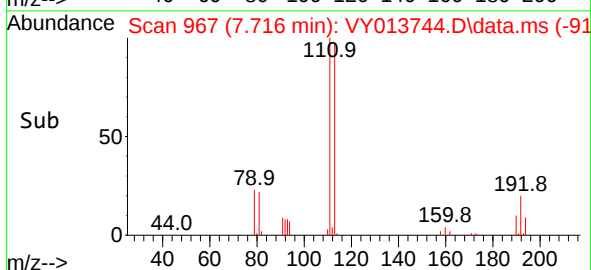
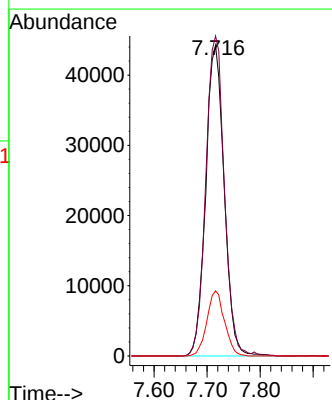
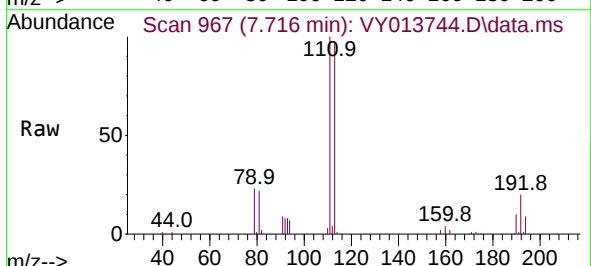
Tgt Ion:113 Resp: 106977

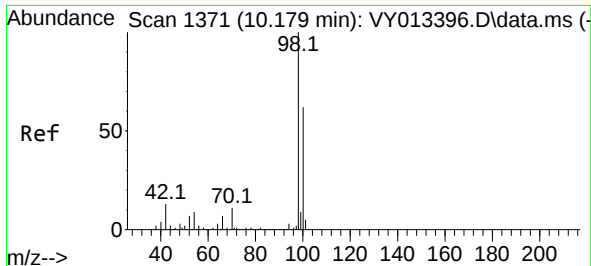
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

192 20.0 16.7 25.1

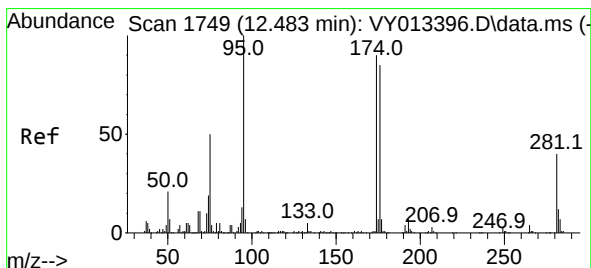
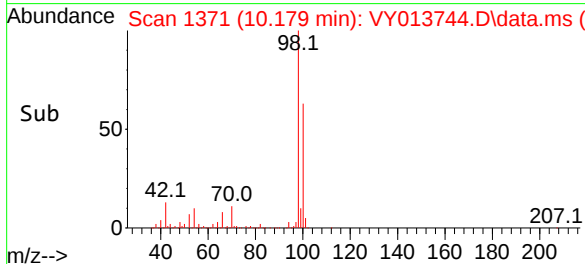
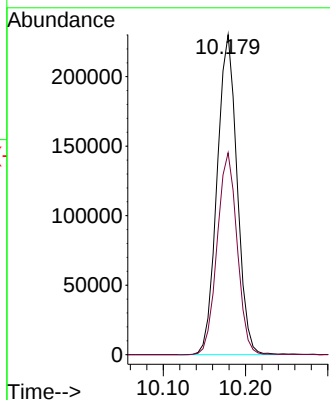
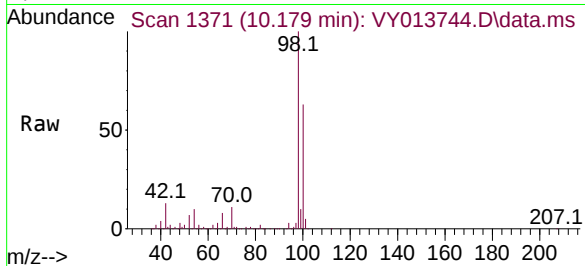




#50
Toluene-d8
Concen: 54.741 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013744.D
Acq: 15 May 2023 18:24

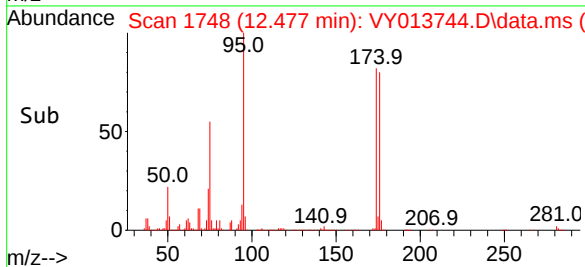
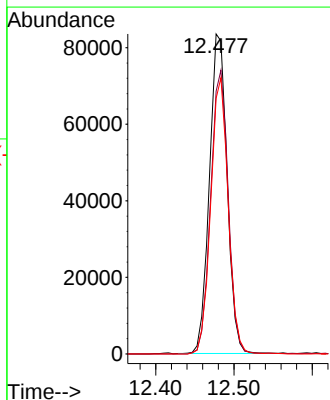
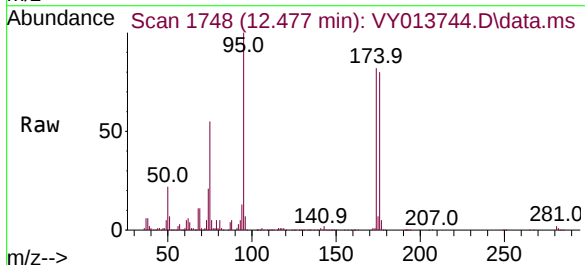
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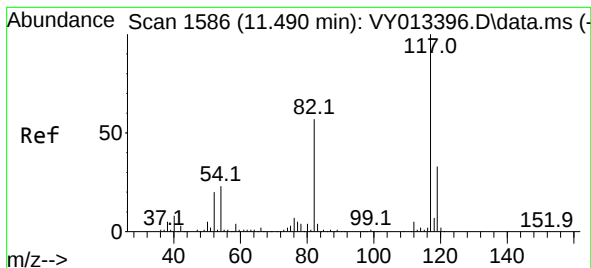
Tgt Ion: 98 Resp: 388768
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 54.673 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013744.D
Acq: 15 May 2023 18:24

Tgt Ion: 95 Resp: 130902
Ion Ratio Lower Upper
95 100
174 88.4 0.0 182.0
176 85.0 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013744.D

Acq: 15 May 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

HR-4-051123

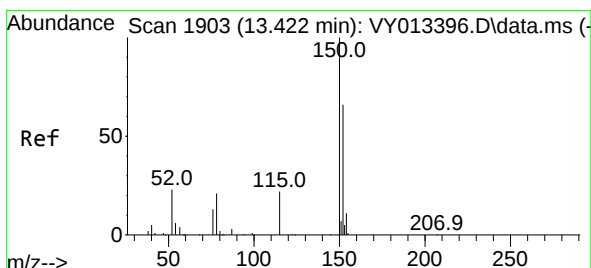
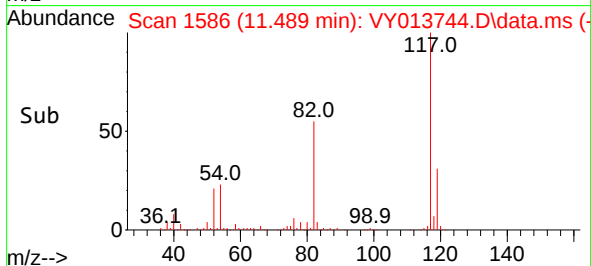
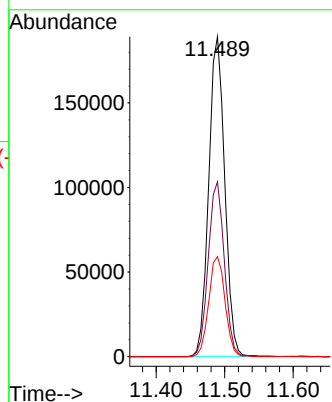
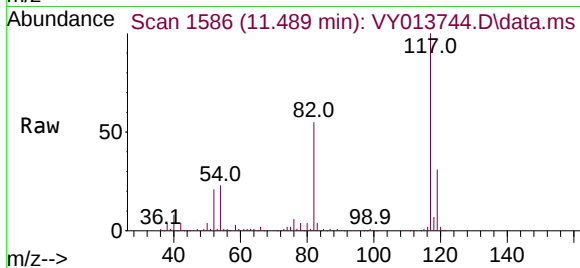
Tgt Ion:117 Resp: 307591

Ion Ratio Lower Upper

117 100

82 54.6 43.0 64.6

119 31.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013744.D

Acq: 15 May 2023 18:24

Tgt Ion:152 Resp: 145229

Ion Ratio Lower Upper

152 100

115 57.7 28.1 84.2

150 155.5 0.0 352.0

