

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013189.D
 Acq On : 04 Apr 2023 15:08
 Operator : KP/MD
 Sample : VY0404SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBL01

Quant Time: Apr 05 02:15:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	73057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	129172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	116169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51704	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52212	66.501	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.000%
35) Dibromofluoromethane	7.716	113	42821	50.746	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.500%
50) Toluene-d8	10.179	98	152684	47.929	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.483	95	46515	44.859	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.720%

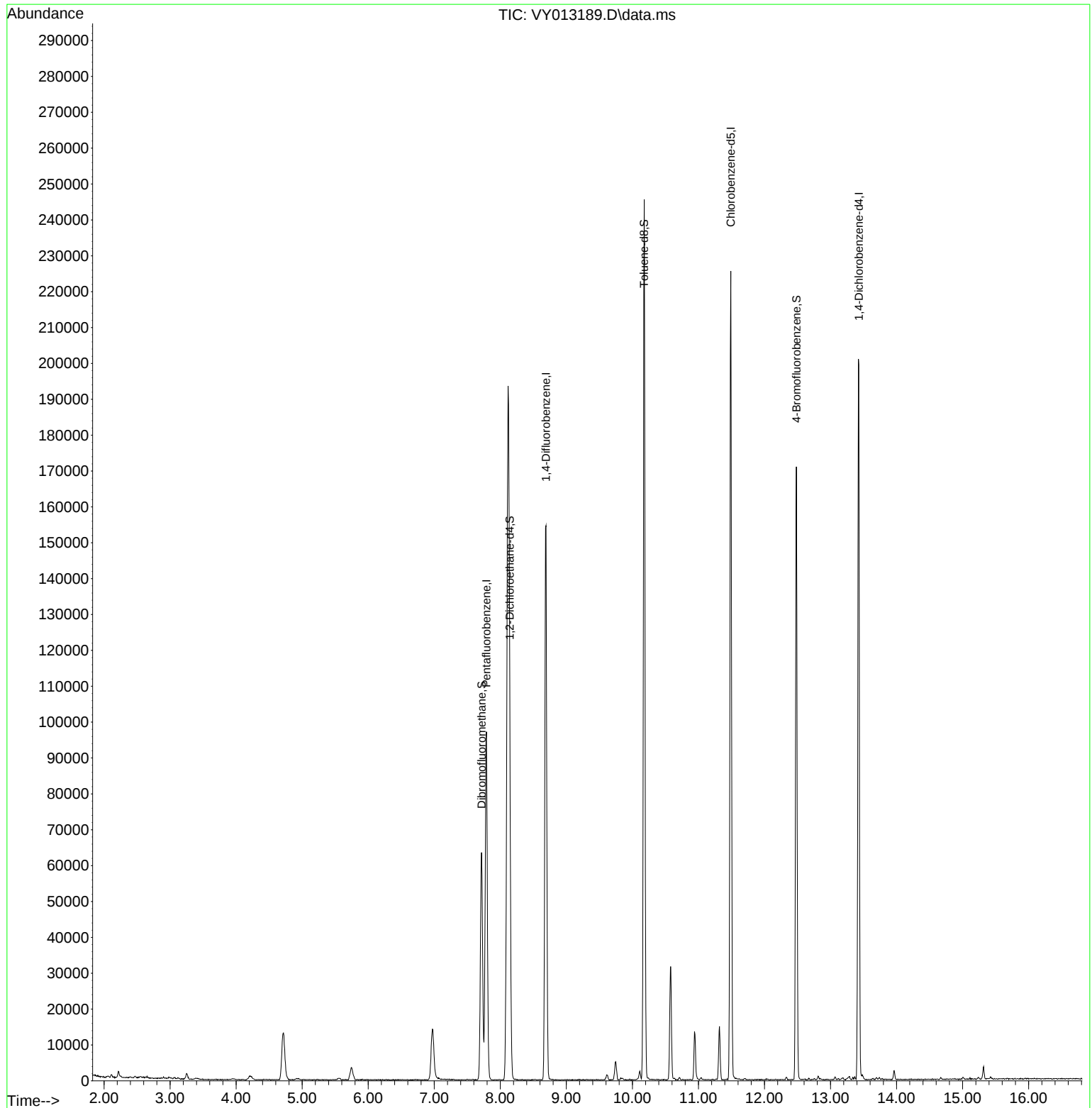
Target Compounds	Qvalue

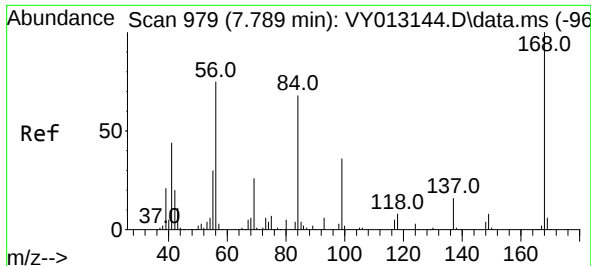
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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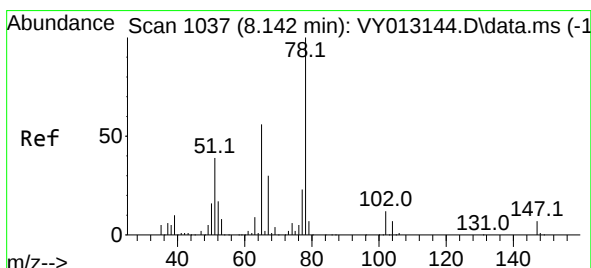
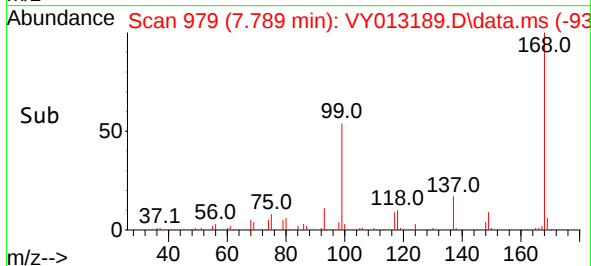
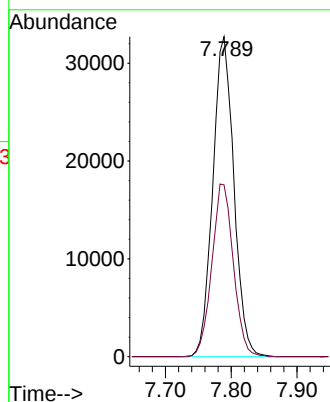
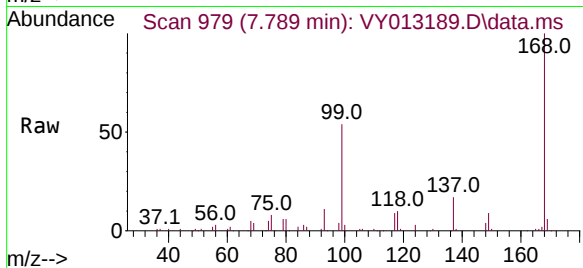




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013189.D
Acq: 04 Apr 2023 15:08

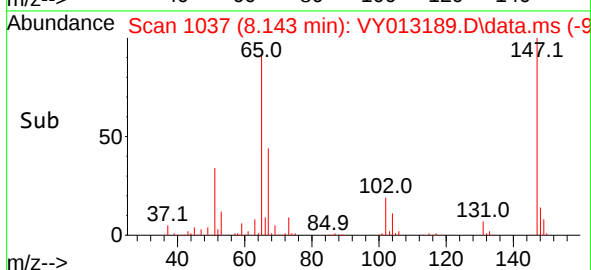
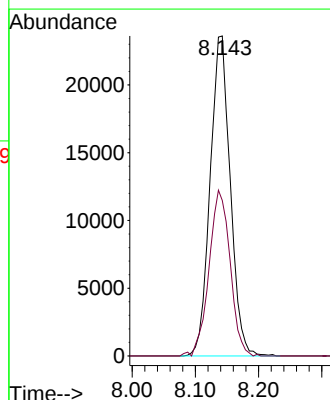
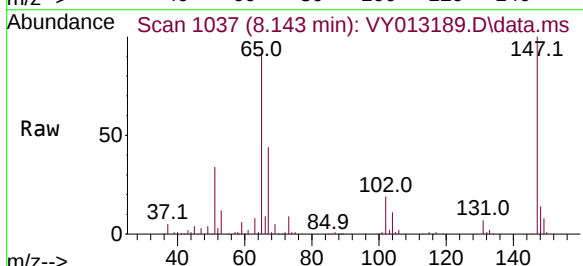
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

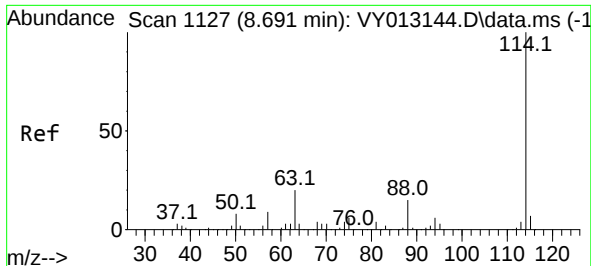
Tgt Ion:168 Resp: 73057
Ion Ratio Lower Upper
168 100
99 53.7 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 66.501 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY013189.D
Acq: 04 Apr 2023 15:08

Tgt Ion: 65 Resp: 52212
Ion Ratio Lower Upper
65 100
67 54.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013189.D

Acq: 04 Apr 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBL01

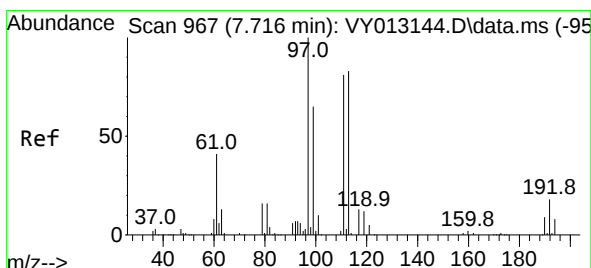
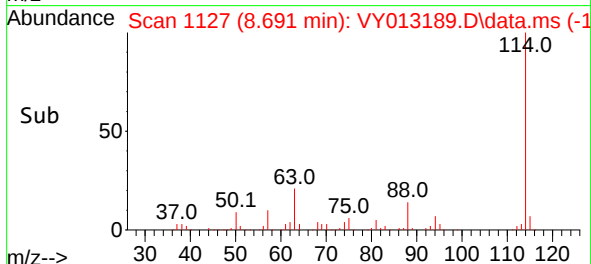
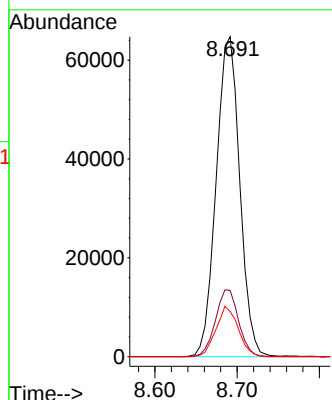
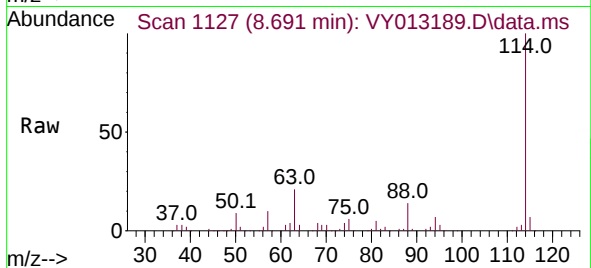
Tgt Ion:114 Resp: 129172

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 14.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 50.746 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013189.D

Acq: 04 Apr 2023 15:08

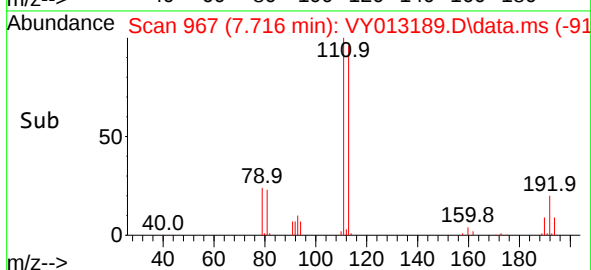
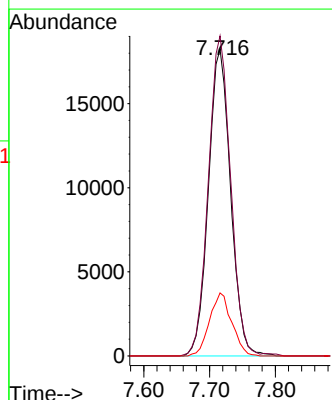
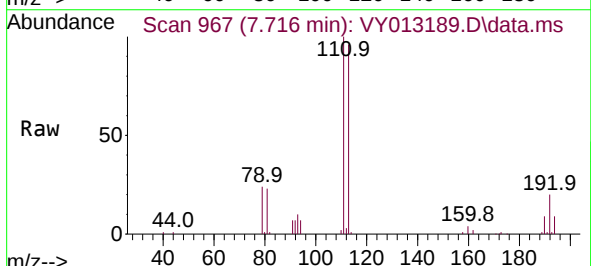
Tgt Ion:113 Resp: 42821

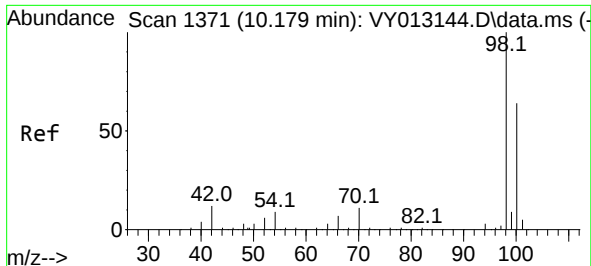
Ion Ratio Lower Upper

113 100

111 105.0 82.2 123.2

192 20.5 16.8 25.2

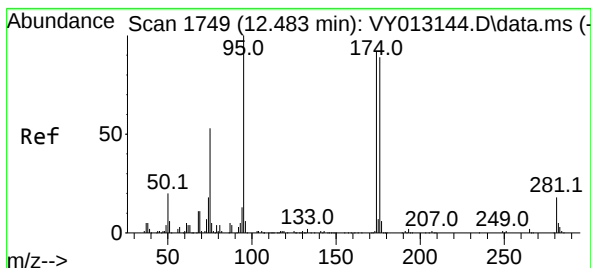
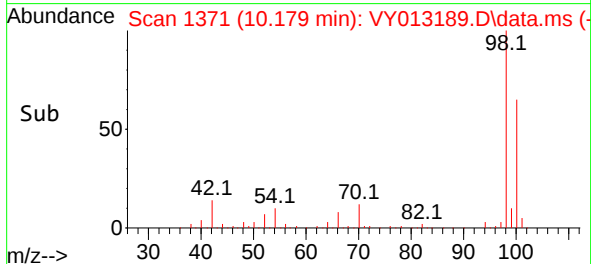
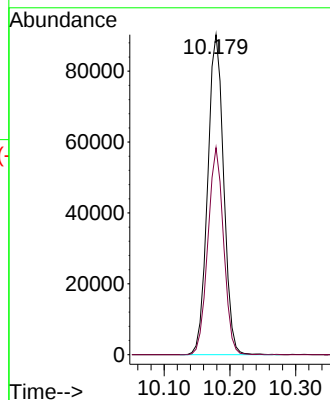
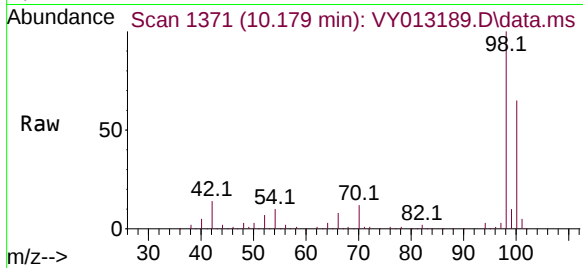




#50
Toluene-d8
Concen: 47.929 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013189.D
Acq: 04 Apr 2023 15:08

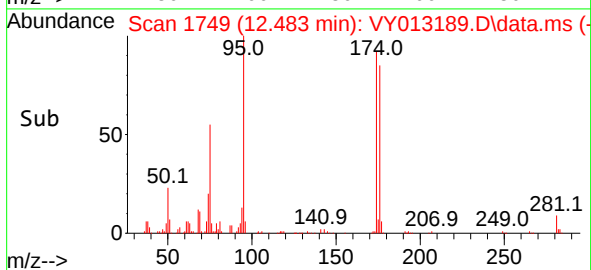
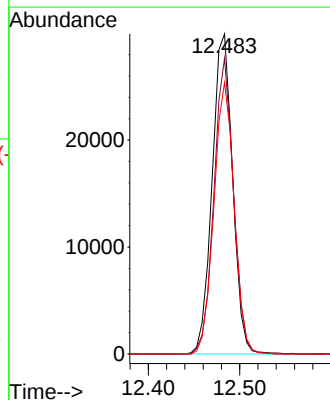
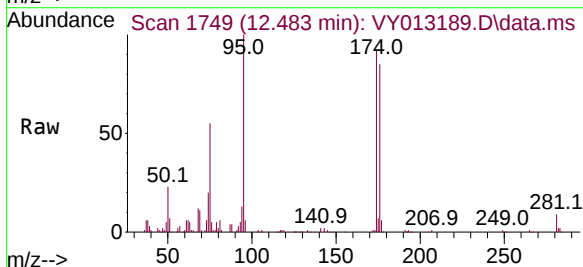
Instrument :
MSVOA_Y
ClientSampleId :
VY0404SBL01

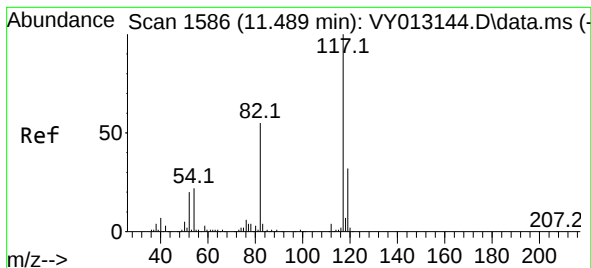
Tgt Ion: 98 Resp: 152684
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.859 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013189.D
Acq: 04 Apr 2023 15:08

Tgt Ion: 95 Resp: 46515
Ion Ratio Lower Upper
95 100
174 88.8 0.0 176.6
176 83.8 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013189.D

Acq: 04 Apr 2023 15:08

Instrument :

MSVOA_Y

ClientSampleId :

VY0404SBL01

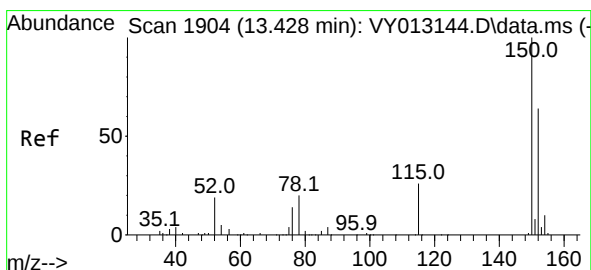
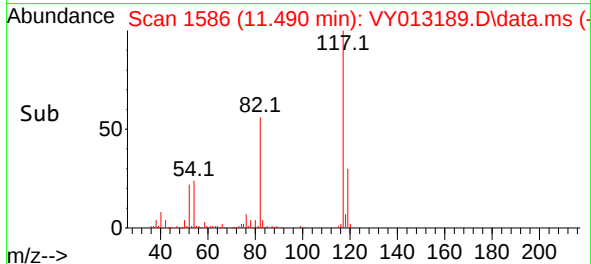
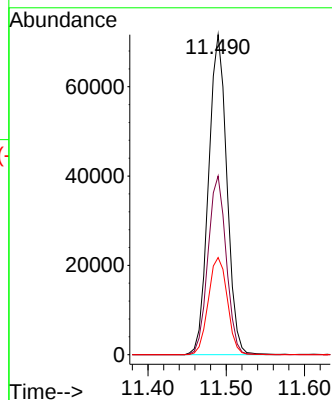
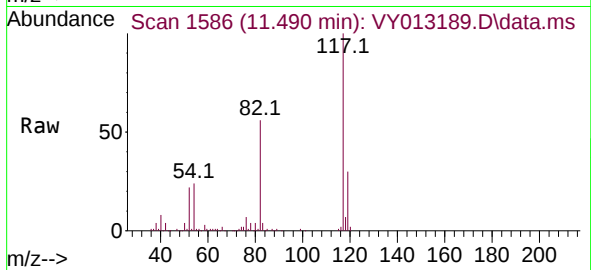
Tgt Ion:117 Resp: 116169

Ion Ratio Lower Upper

117 100

82 55.8 45.4 68.0

119 30.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013189.D

Acq: 04 Apr 2023 15:08

Tgt Ion:152 Resp: 51704

Ion Ratio Lower Upper

152 100

115 55.9 27.1 81.3

150 157.6 0.0 347.8

