

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013027.D
 Acq On : 21 Mar 2023 15:12
 Operator : KP/MD
 Sample : 02020-31
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-4

Quant Time: Mar 22 04:20:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	77390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	132426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	122497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53555	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51476	66.993	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.980%
35) Dibromofluoromethane	7.710	113	45799	57.307	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.620%
50) Toluene-d8	10.179	98	160451	54.917	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.840%
62) 4-Bromofluorobenzene	12.477	95	51129	51.848	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.700%

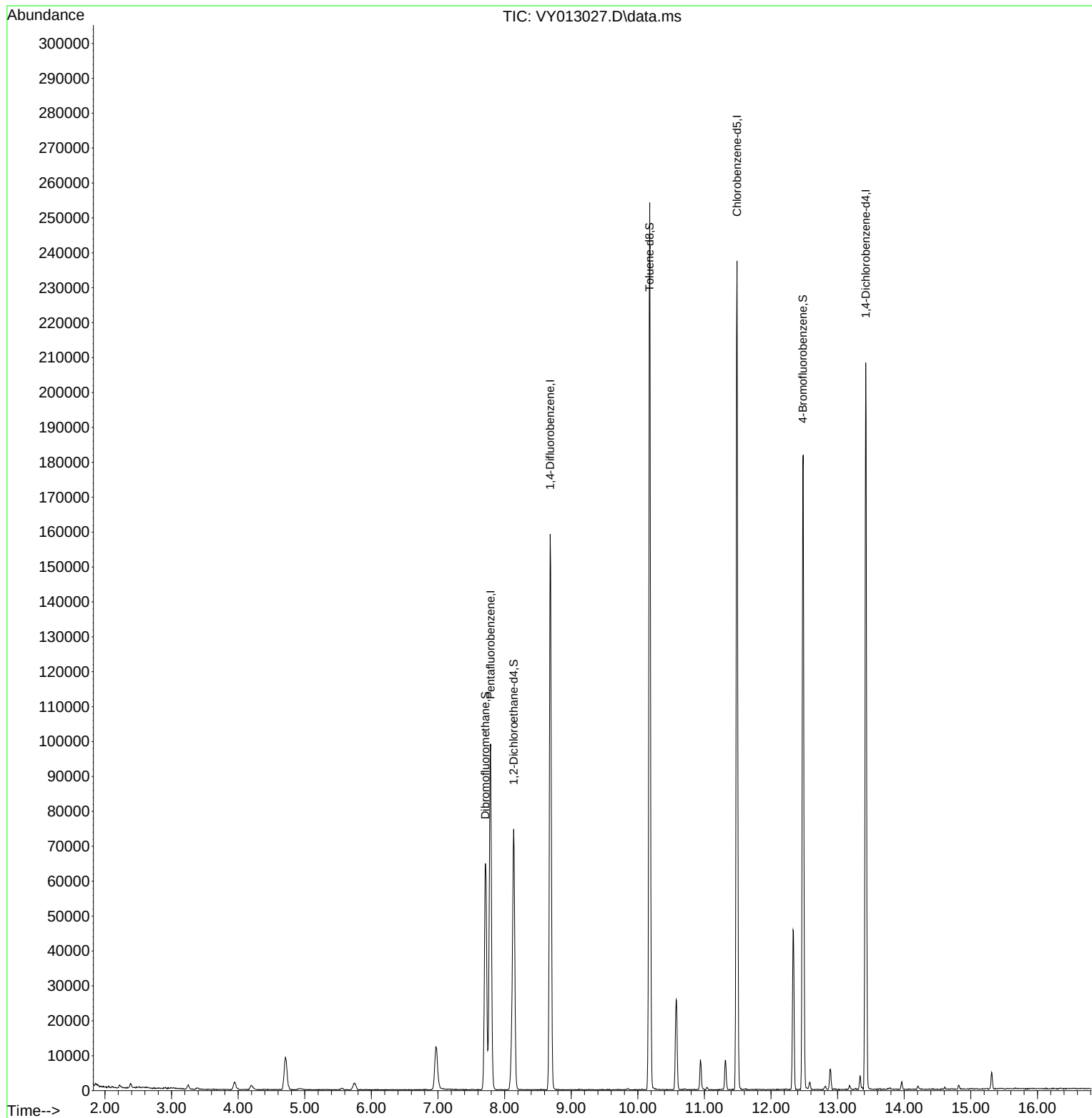
Target Compounds	Qvalue

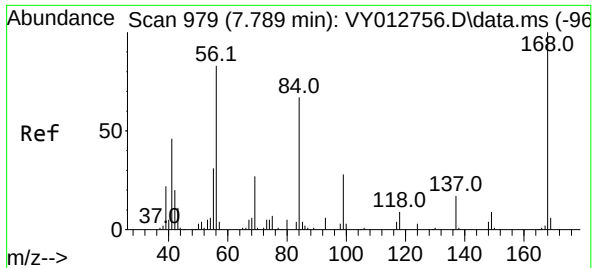
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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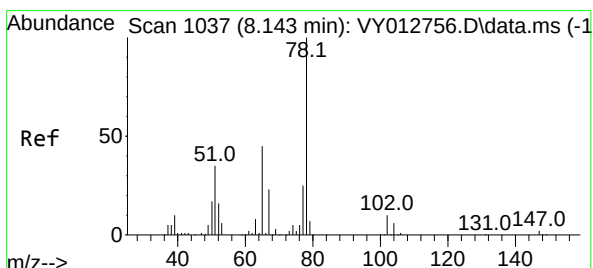
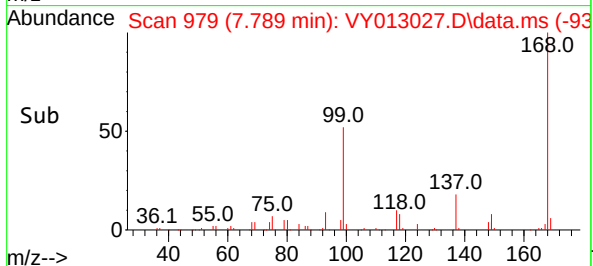
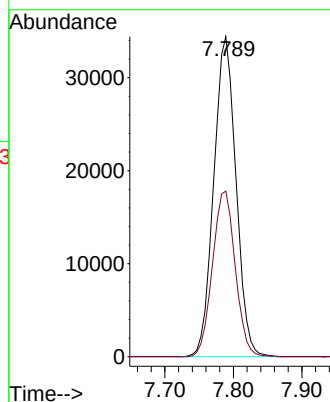
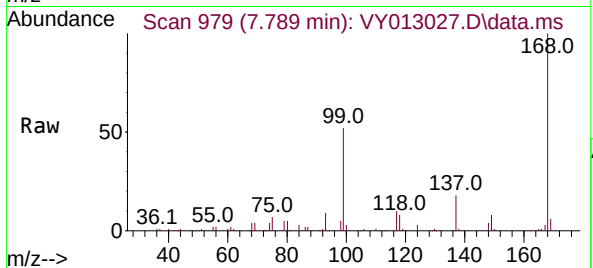




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

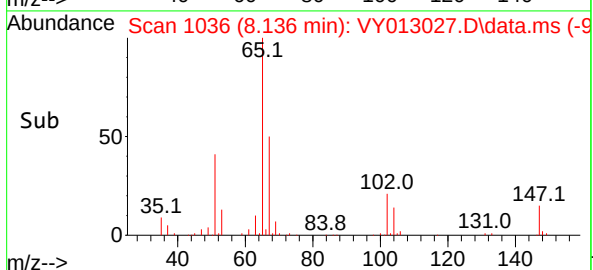
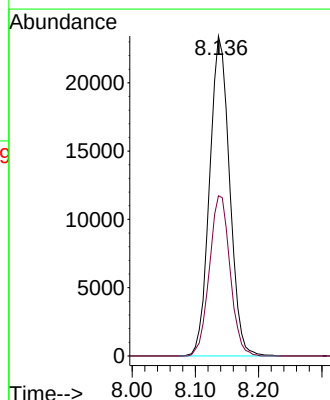
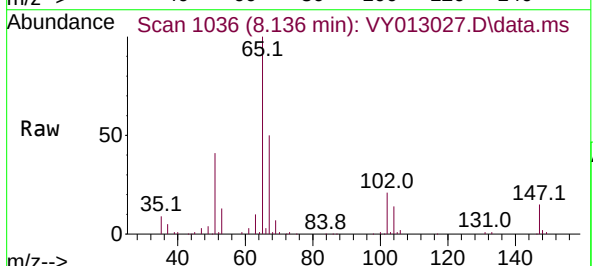
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

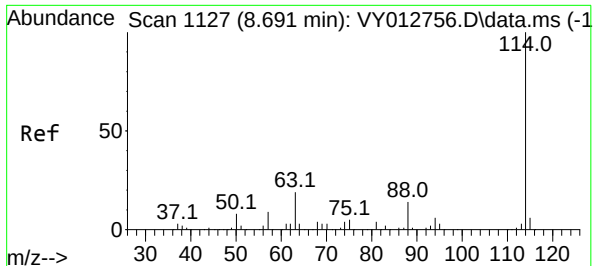
Tgt Ion:168 Resp: 77390
Ion Ratio Lower Upper
168 100
99 51.8 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 66.993 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

Tgt Ion: 65 Resp: 51476
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SP-4

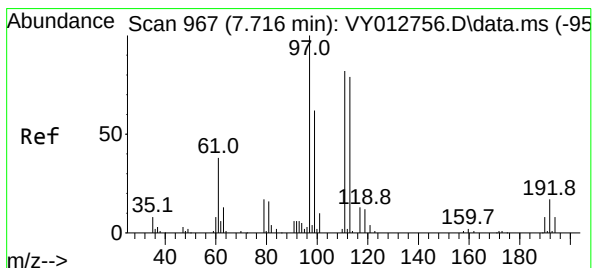
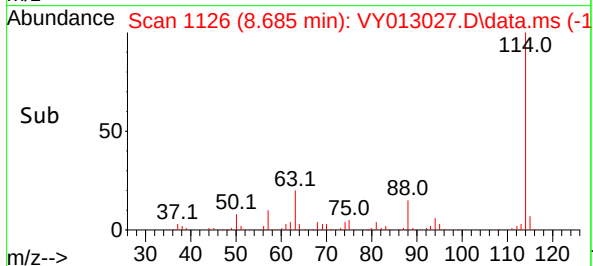
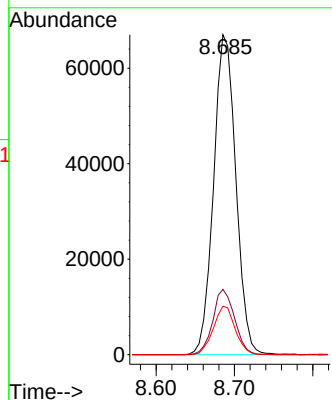
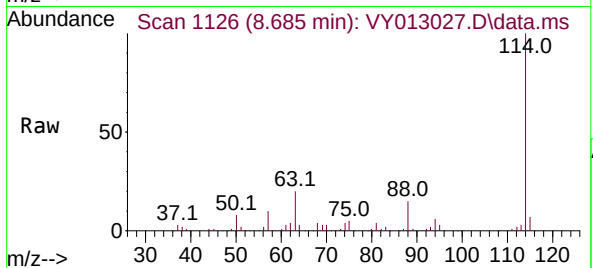
Tgt Ion:114 Resp: 132426

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.307 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

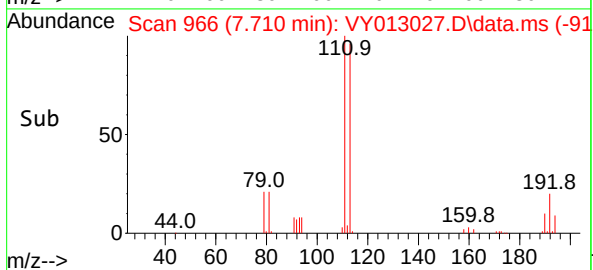
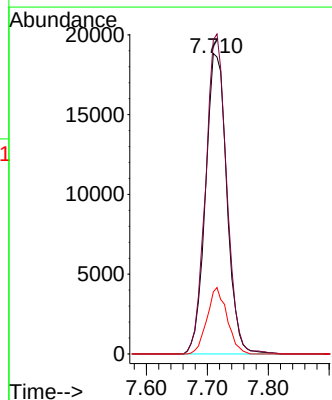
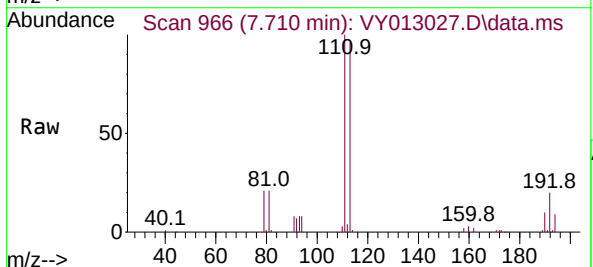
Tgt Ion:113 Resp: 45799

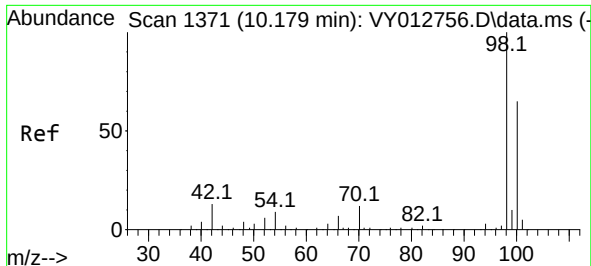
Ion Ratio Lower Upper

113 100

111 105.0 82.2 123.2

192 20.8 16.8 25.2

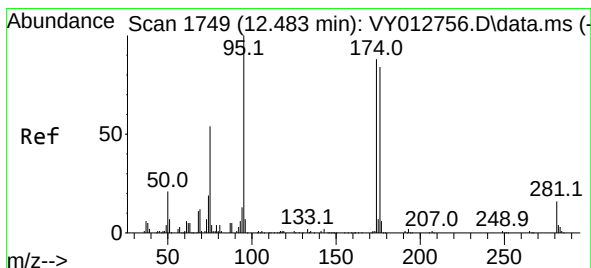
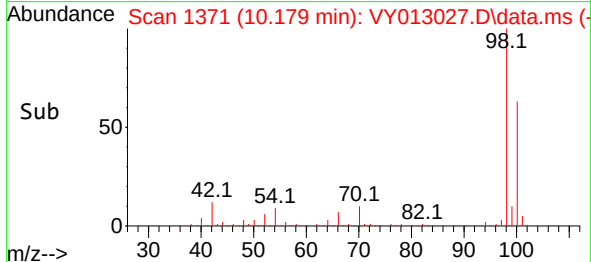
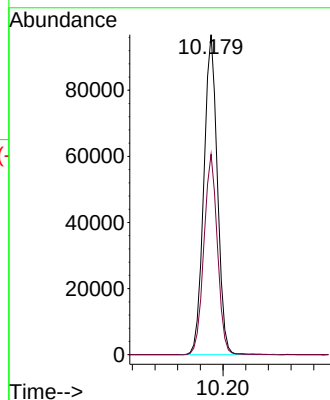
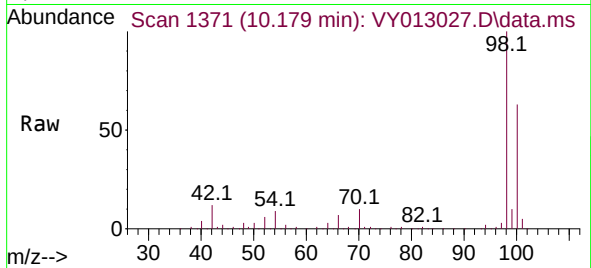




#50
Toluene-d8
Concen: 54.917 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

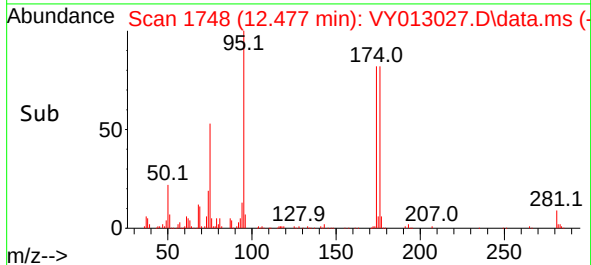
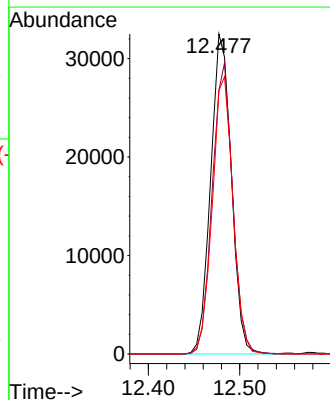
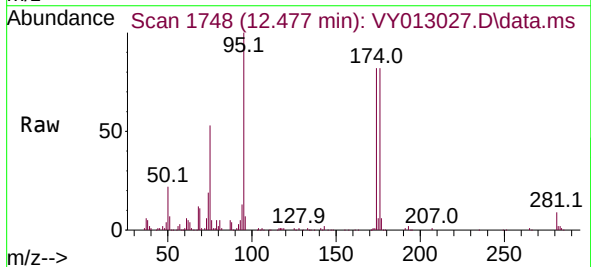
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

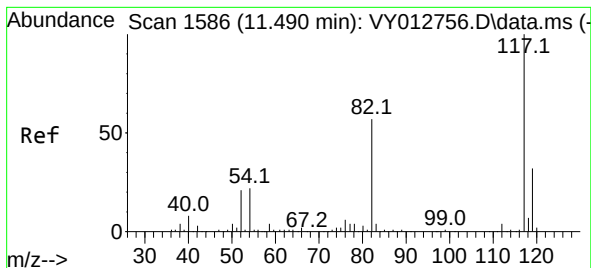
Tgt Ion: 98 Resp: 160451
Ion Ratio Lower Upper
98 100
100 62.4 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 51.848 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013027.D
Acq: 21 Mar 2023 15:12

Tgt Ion: 95 Resp: 51129
Ion Ratio Lower Upper
95 100
174 89.9 0.0 176.6
176 86.6 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SP-4

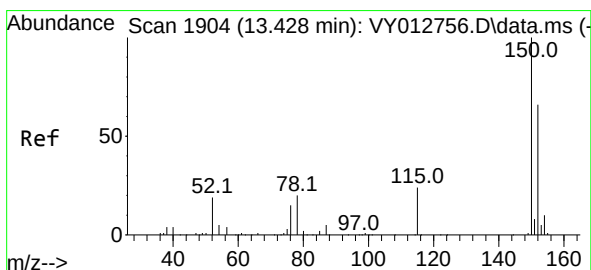
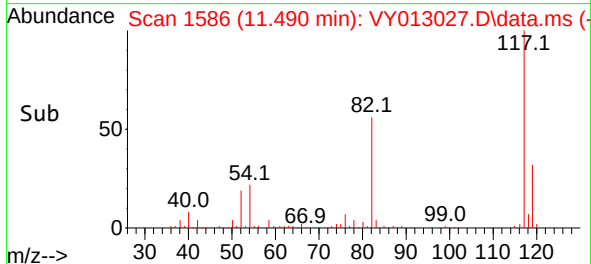
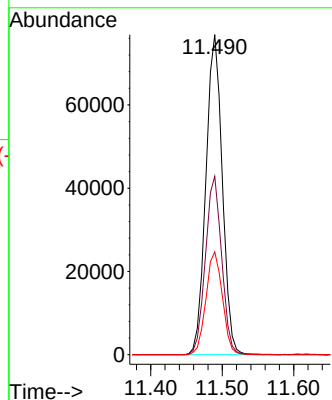
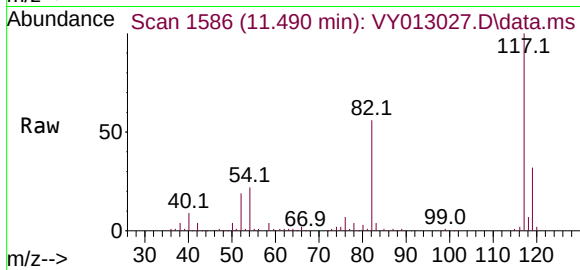
Tgt Ion:117 Resp: 122497

Ion Ratio Lower Upper

117 100

82 55.8 45.4 68.0

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY013027.D

Acq: 21 Mar 2023 15:12

Tgt Ion:152 Resp: 53555

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 158.4 0.0 347.8

