

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032823\
 Data File : VY013122.D
 Acq On : 28 Mar 2023 17:21
 Operator : KP/MD
 Sample : 02118-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Mar 29 02:31:13 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	66319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	123368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	116729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	50150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	46815	71.098	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	142.200%
35) Dibromofluoromethane	7.716	113	41700	56.009	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.020%
50) Toluene-d8	10.179	98	152214	55.923	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.840%
62) 4-Bromofluorobenzene	12.483	95	44434	48.367	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.740%

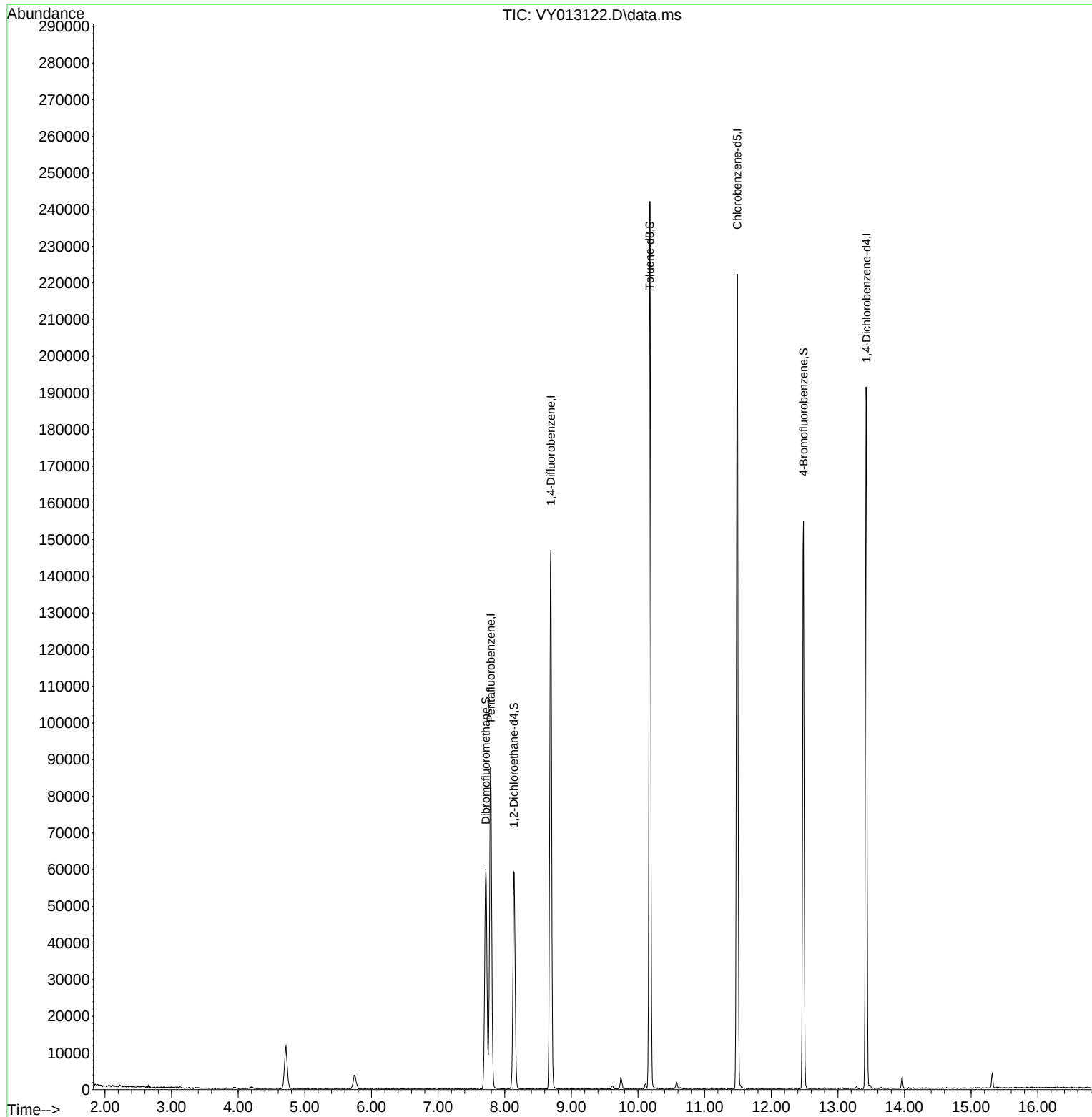
Target Compounds	Qvalue

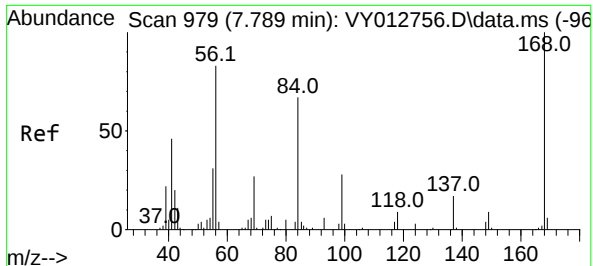
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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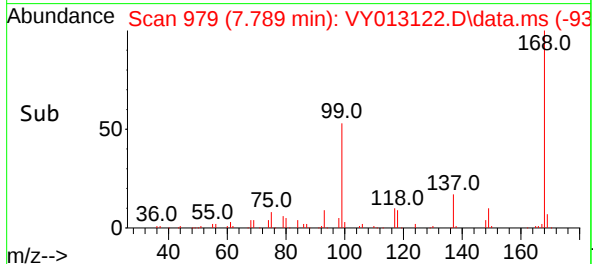
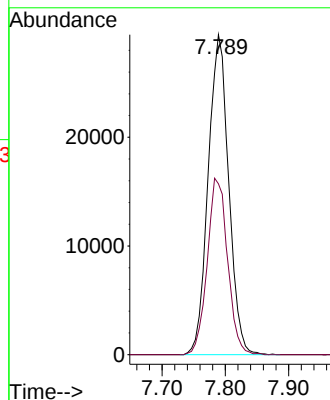
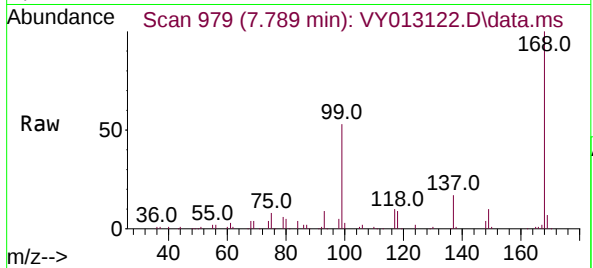




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013122.D
Acq: 28 Mar 2023 17:21

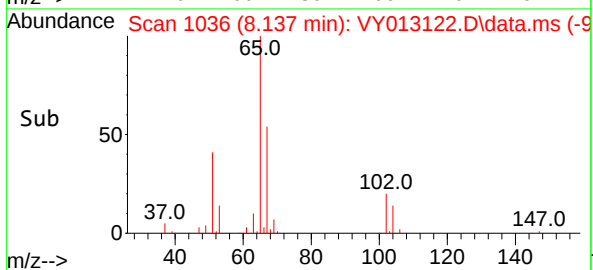
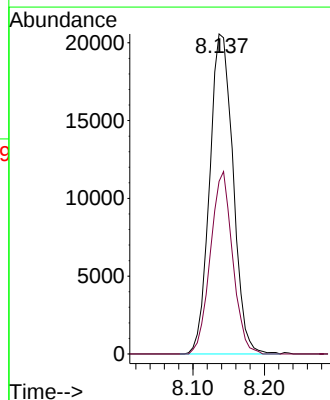
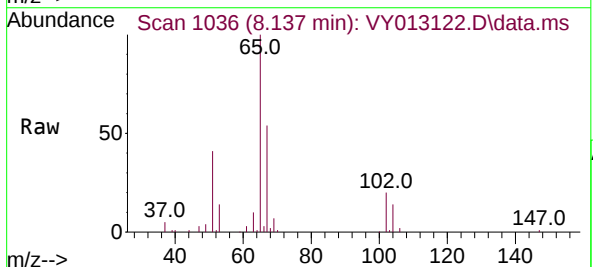
Instrument :
MSVOA_Y
ClientSampleId :
VOC

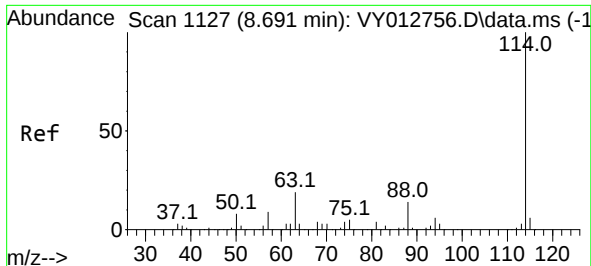
Tgt Ion:168 Resp: 66319
Ion Ratio Lower Upper
168 100
99 53.4 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 71.098 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY013122.D
Acq: 28 Mar 2023 17:21

Tgt Ion: 65 Resp: 46815
Ion Ratio Lower Upper
65 100
67 54.0 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: VY013122.D

Acq: 28 Mar 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

VOC

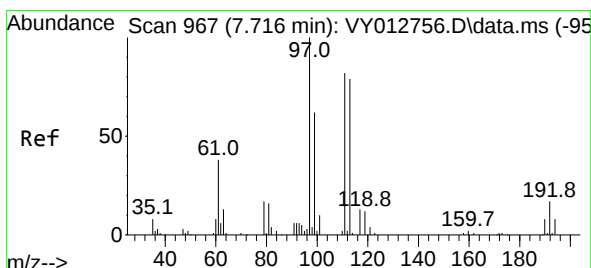
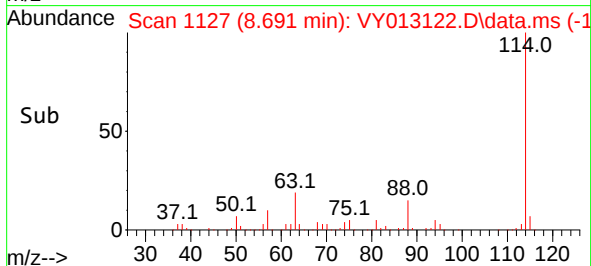
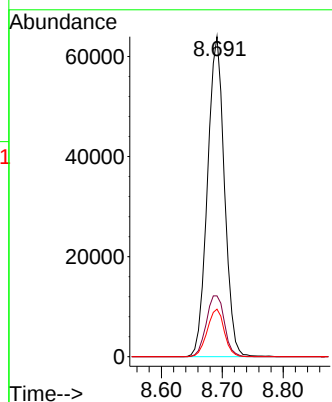
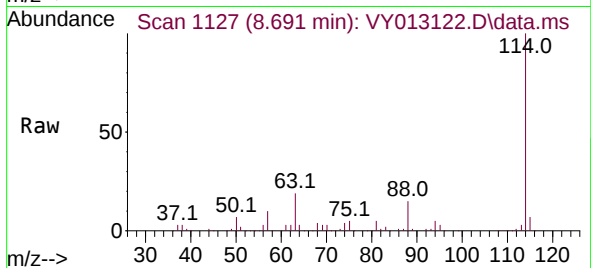
Tgt Ion:114 Resp: 123368

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 14.8 0.0 28.6



#35

Dibromofluoromethane

Concen: 56.009 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY013122.D

Acq: 28 Mar 2023 17:21

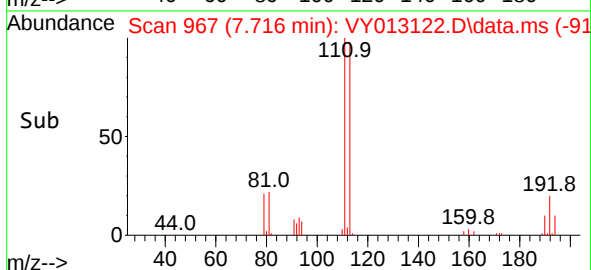
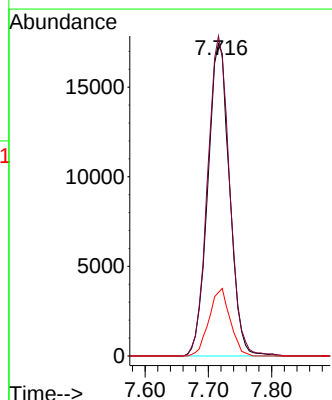
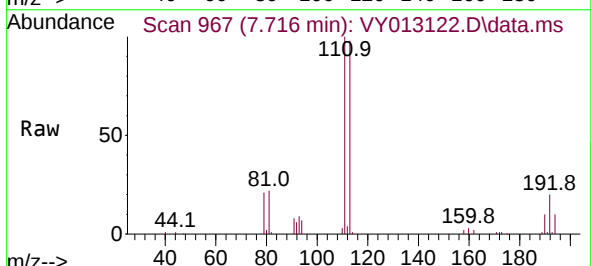
Tgt Ion:113 Resp: 41700

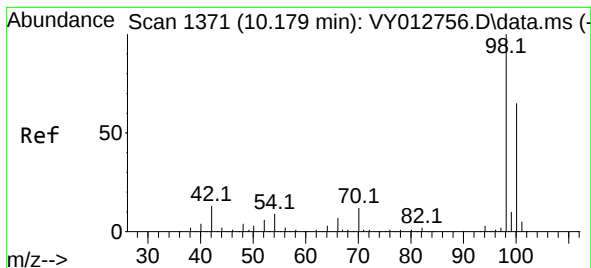
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 20.9 16.8 25.2





#50

Toluene-d8

Concen: 55.923 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013122.D

Acq: 28 Mar 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

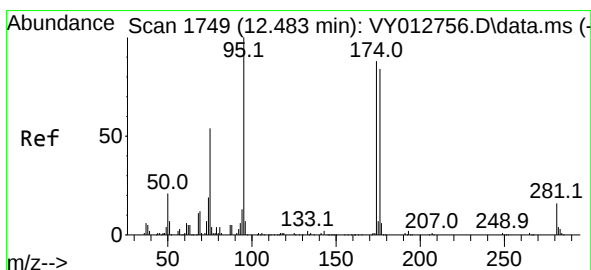
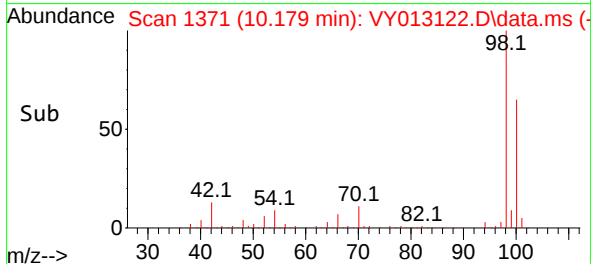
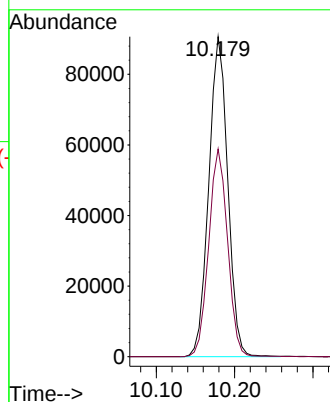
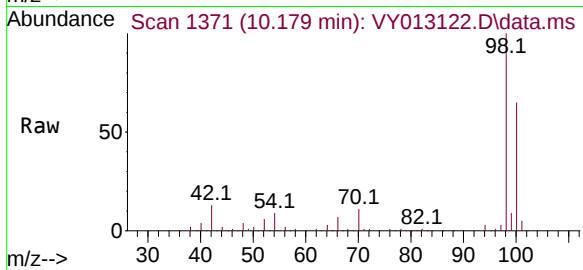
VOC

Tgt Ion: 98 Resp: 152214

Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 48.367 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY013122.D

Acq: 28 Mar 2023 17:21

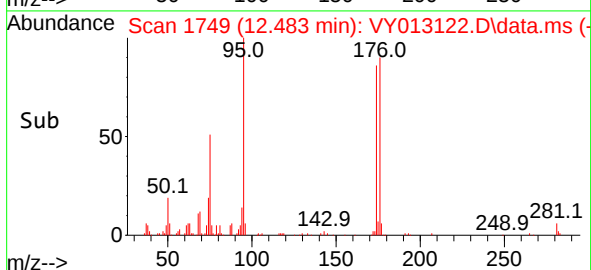
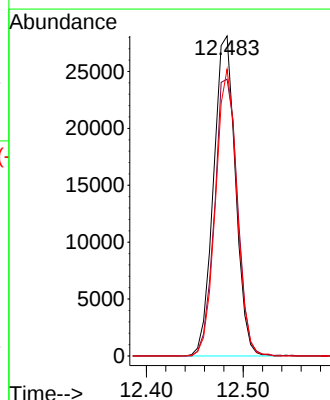
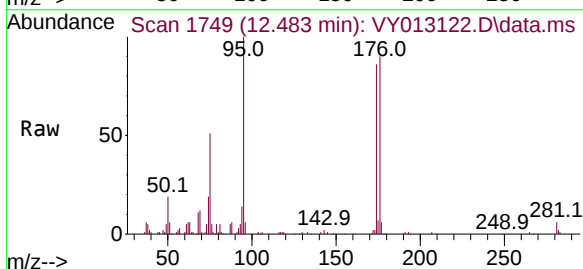
Tgt Ion: 95 Resp: 44434

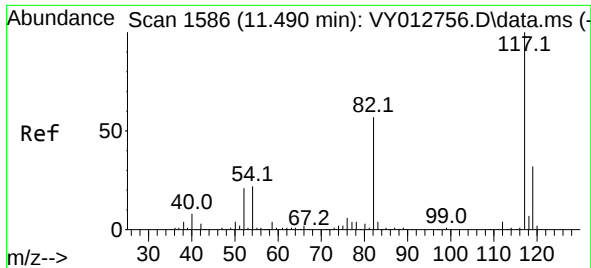
Ion Ratio Lower Upper

95 100

174 90.3 0.0 176.6

176 87.1 0.0 170.2

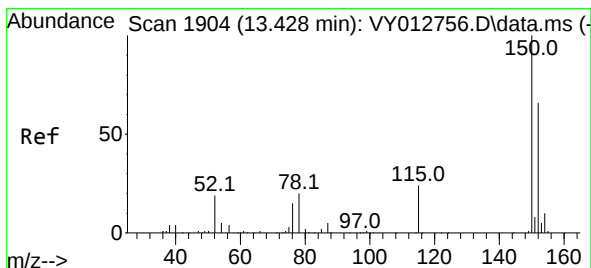
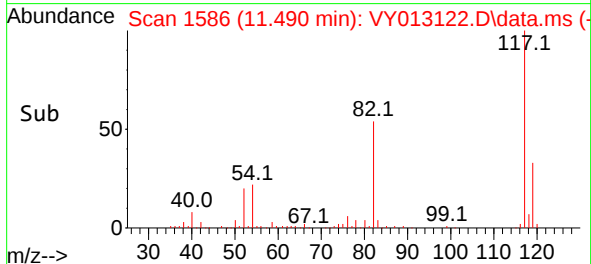
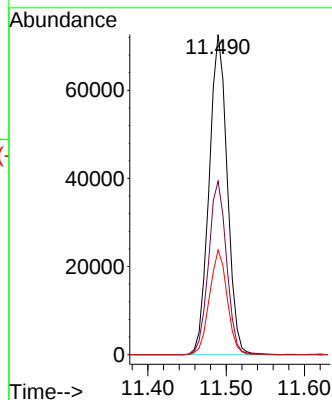
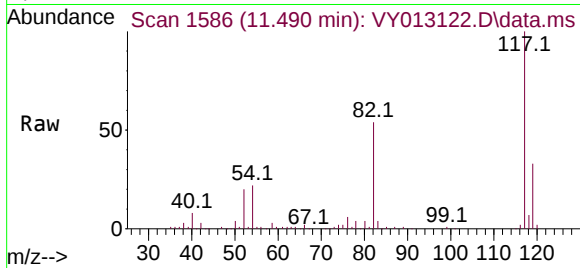




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013122.D
Acq: 28 Mar 2023 17:21

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:117 Resp: 116729
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.0
119 32.7 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: VY013122.D
Acq: 28 Mar 2023 17:21

Tgt Ion:152 Resp: 50150
Ion Ratio Lower Upper
152 100
115 56.8 27.1 81.3
150 158.2 0.0 347.8

