

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032023\
 Data File : VY013008.D
 Acq On : 20 Mar 2023 15:17
 Operator : KP/MD
 Sample : 02001-04
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IRV-2

Quant Time: Mar 21 01:13:35 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	84428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	144324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	132597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	60041	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55390	66.077	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.160%
35) Dibromofluoromethane	7.722	113	48690	55.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.800%
50) Toluene-d8	10.179	98	171969	54.007	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.020%
62) 4-Bromofluorobenzene	12.483	95	53177	49.479	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.960%

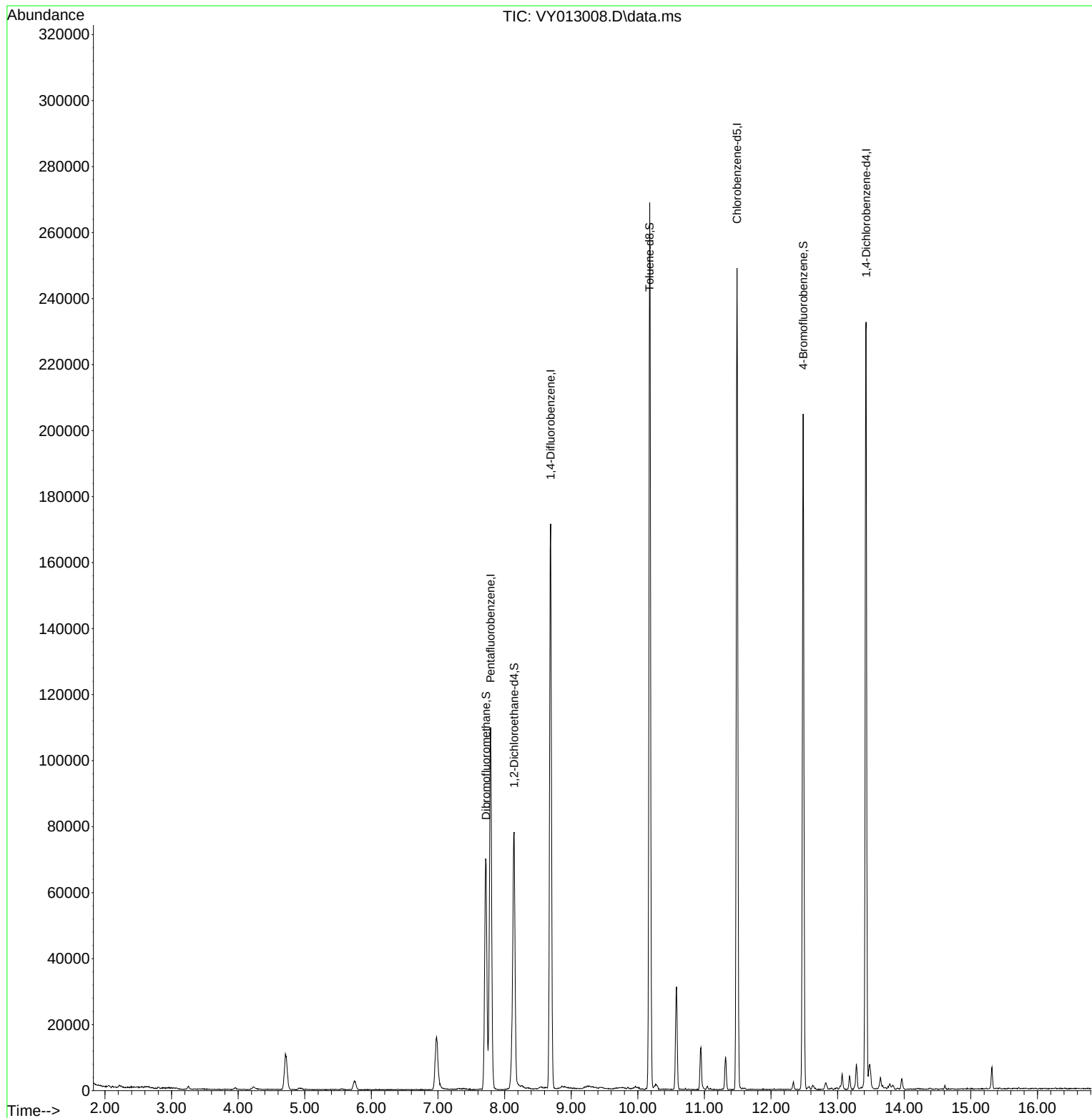
Target Compounds	Qvalue

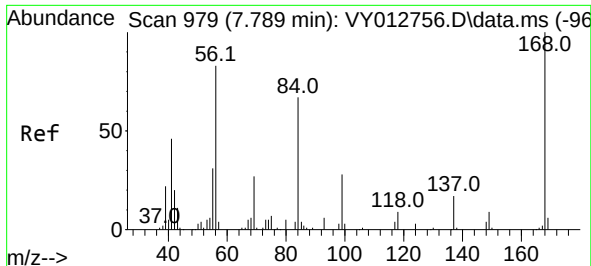
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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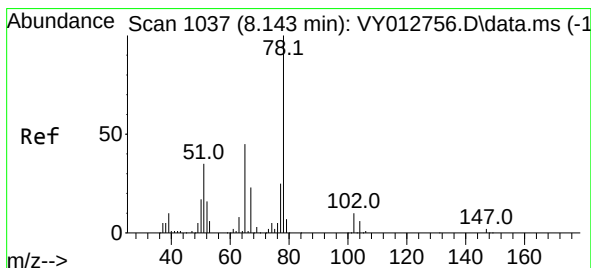
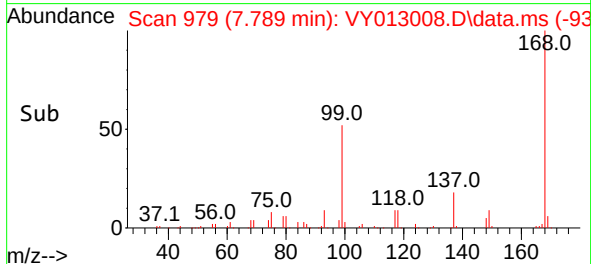
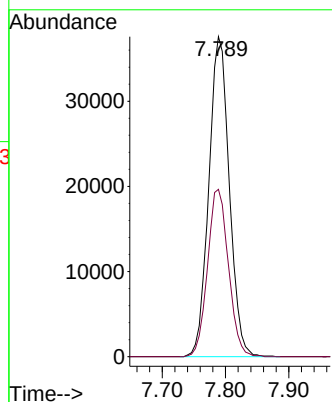
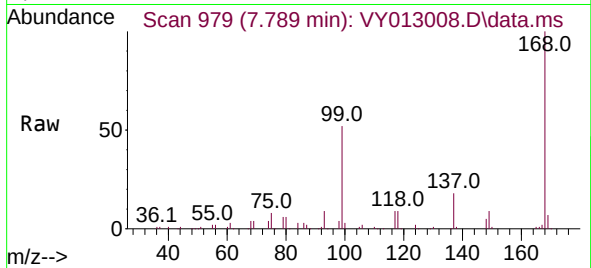




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

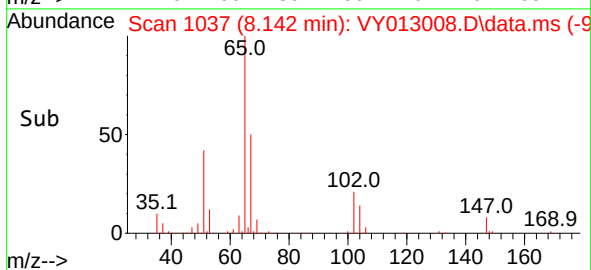
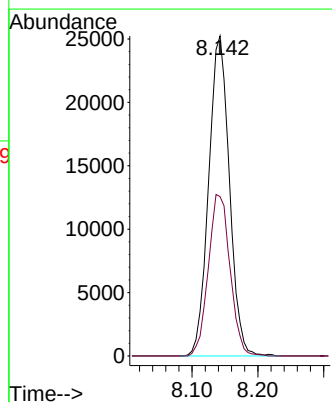
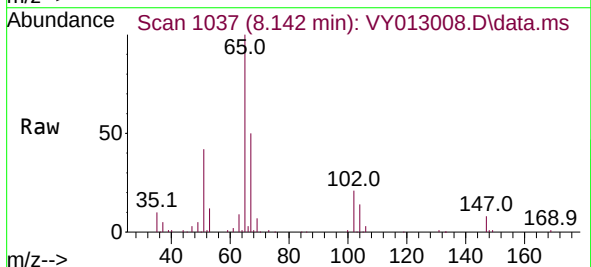
Instrument :
MSVOA_Y
ClientSampleId :
IRV-2

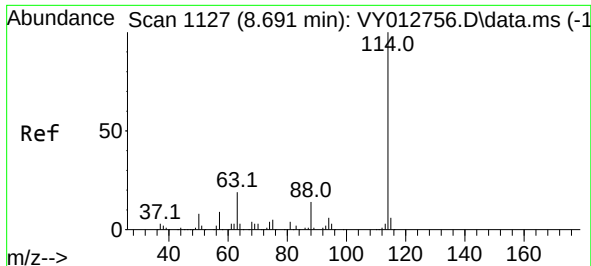
Tgt Ion:168 Resp: 84428
Ion Ratio Lower Upper
168 100
99 52.3 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 66.077 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Tgt Ion: 65 Resp: 55390
Ion Ratio Lower Upper
65 100
67 52.8 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: VY013008.D

Acq: 20 Mar 2023 15:17

Instrument :

MSVOA_Y

ClientSampleId :

IRV-2

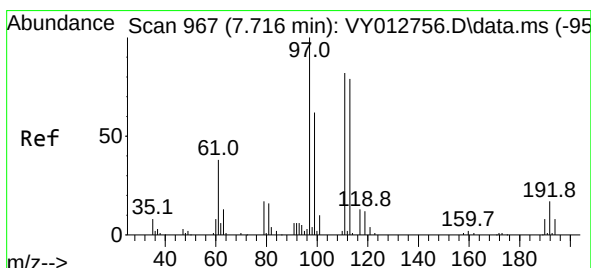
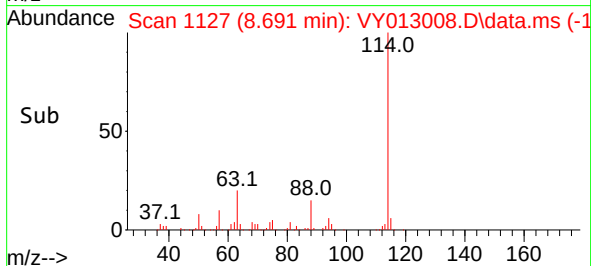
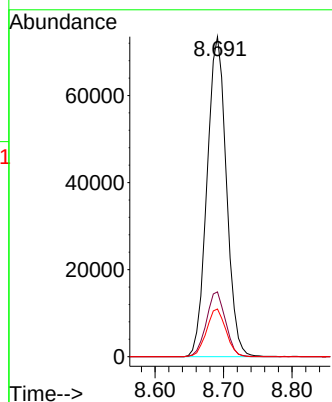
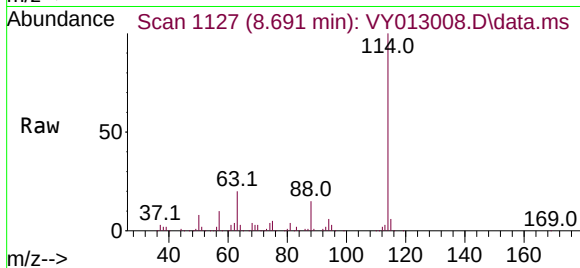
Tgt Ion:114 Resp: 144324

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 14.9 0.0 28.6



#35

Dibromofluoromethane

Concen: 55.902 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013008.D

Acq: 20 Mar 2023 15:17

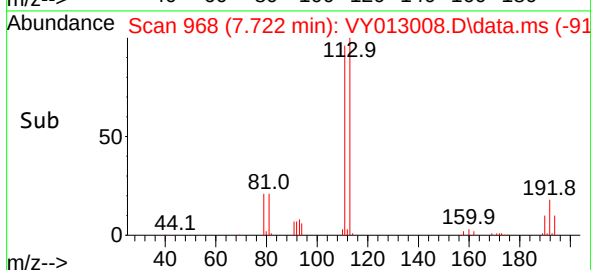
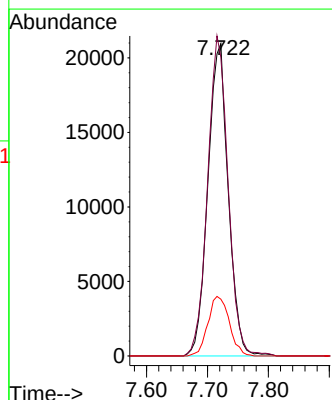
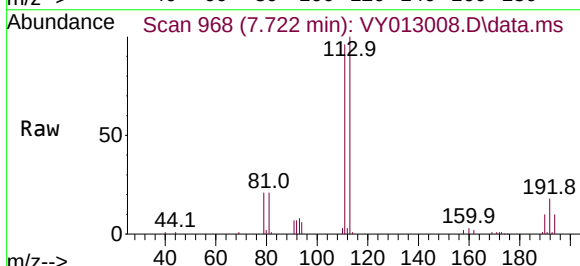
Tgt Ion:113 Resp: 48690

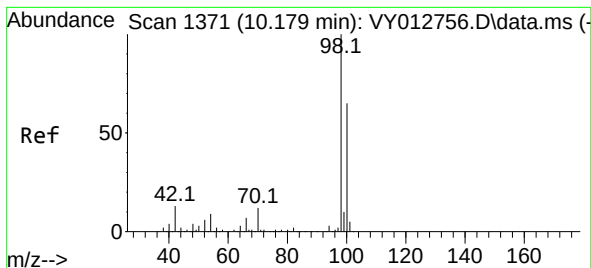
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 20.0 16.8 25.2

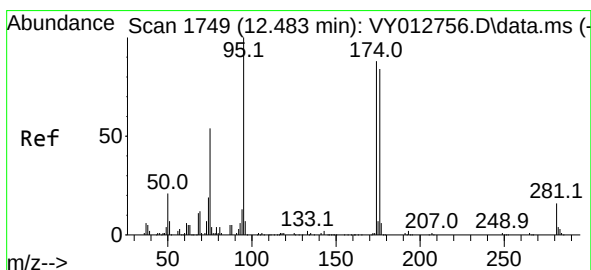
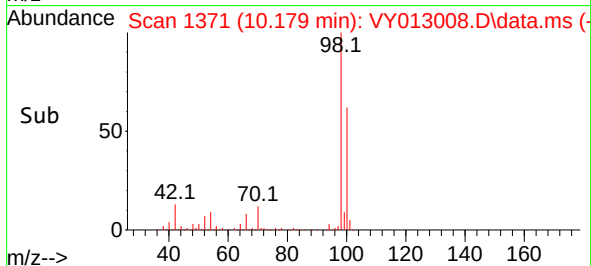
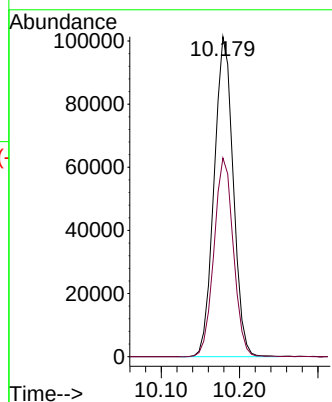
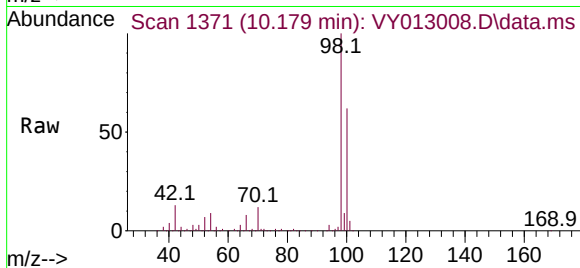




#50
Toluene-d8
Concen: 54.007 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

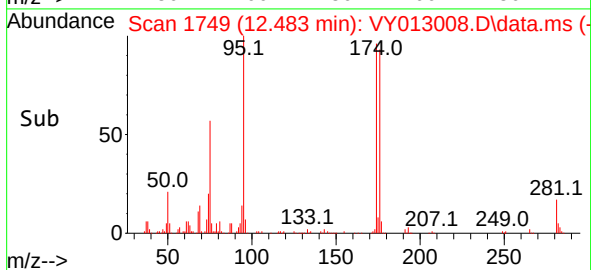
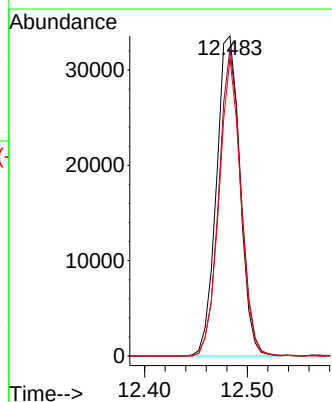
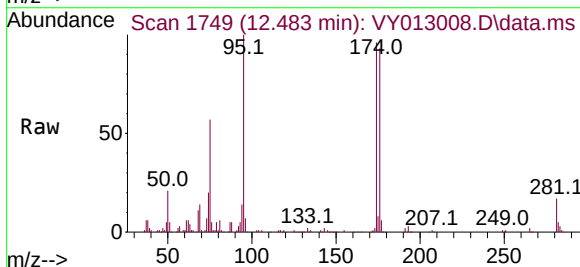
Instrument :
MSVOA_Y
ClientSampleId :
IRV-2

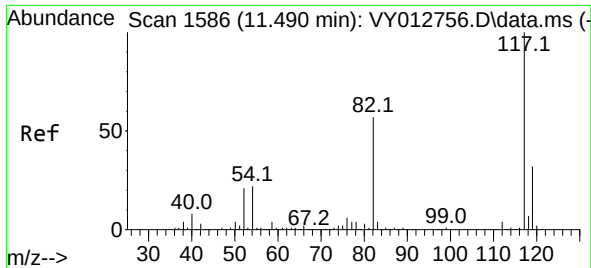
Tgt Ion: 98 Resp: 171969
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 49.479 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Tgt Ion: 95 Resp: 53177
Ion Ratio Lower Upper
95 100
174 90.4 0.0 176.6
176 86.1 0.0 170.2

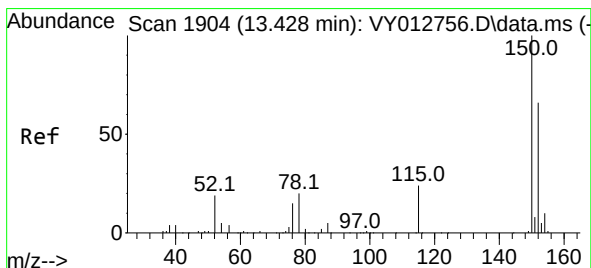
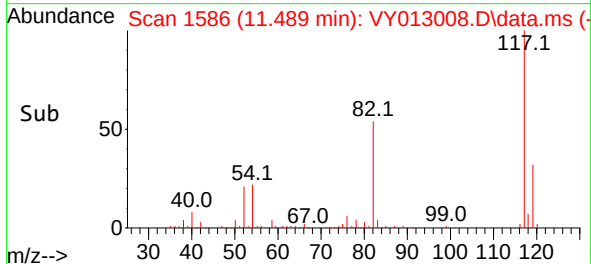
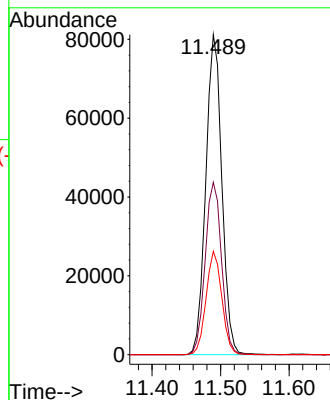
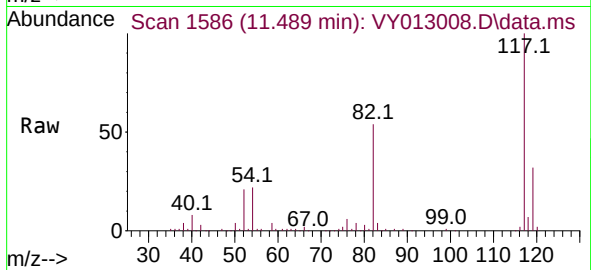




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY013008.D
Acq: 20 Mar 2023 15:17

Instrument :
MSVOA_Y
ClientSampleId :
IRV-2

Tgt Ion:117 Resp: 132597
Ion Ratio Lower Upper
117 100
82 53.8 45.4 68.0
119 32.3 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: VY013008.D
Acq: 20 Mar 2023 15:17

Tgt Ion:152 Resp: 60041
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 157.2 0.0 347.8

