

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013198.D
 Acq On : 04 Apr 2023 18:38
 Operator : KP/MD
 Sample : 02176-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-040323

Quant Time: Apr 05 01:21:34 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	612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	1054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	981	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	161	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	539	81.952	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	163.900%#
35) Dibromofluoromethane	7.710	113	298	43.280	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.560%
50) Toluene-d8	10.179	98	1065	40.972	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	81.940%
62) 4-Bromofluorobenzene	12.483	95	244	28.838	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	57.680%

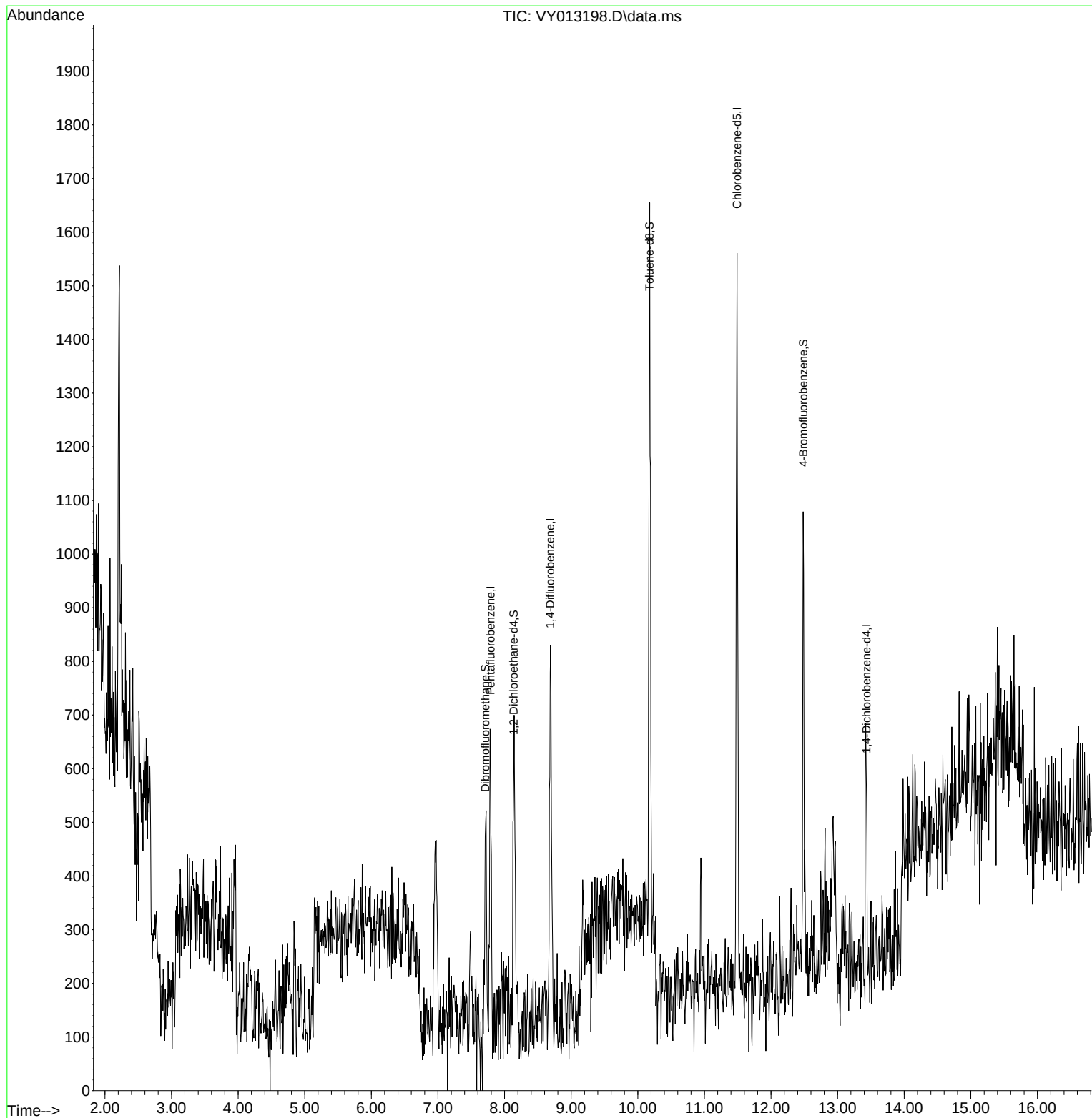
Target Compounds	Qvalue

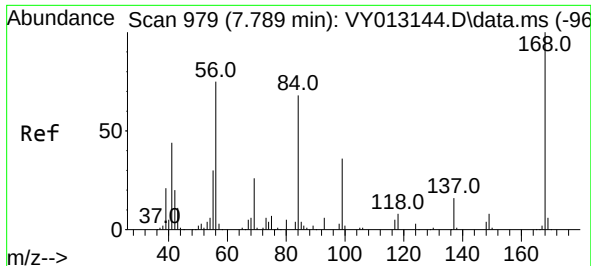
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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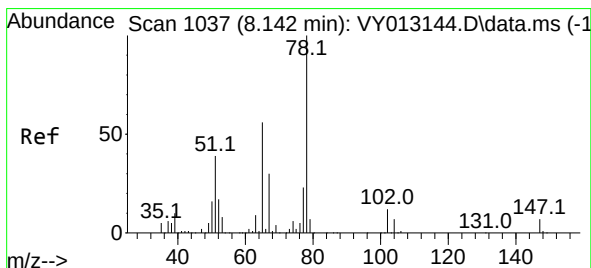
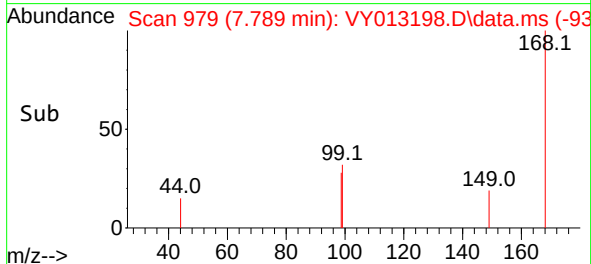
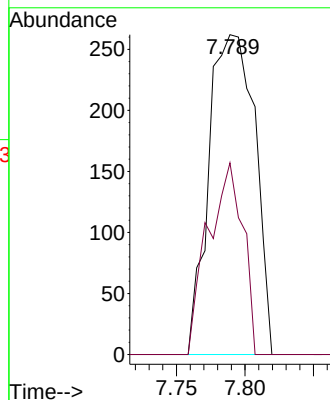
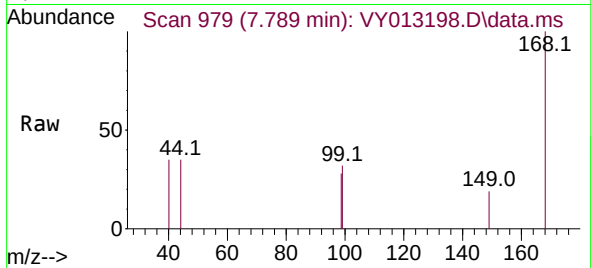




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

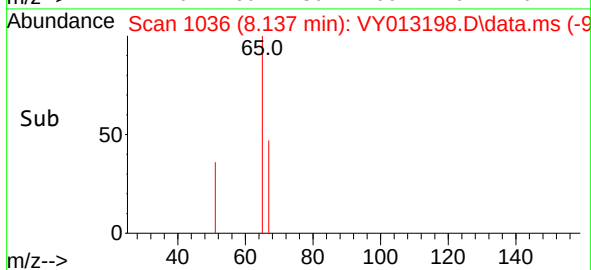
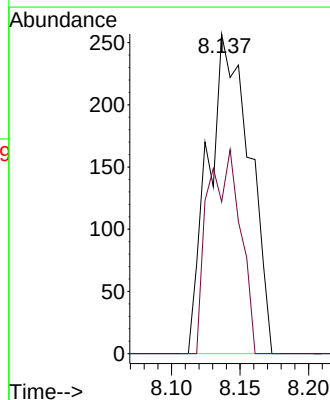
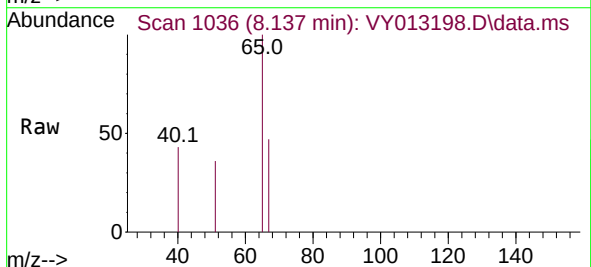
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-040323

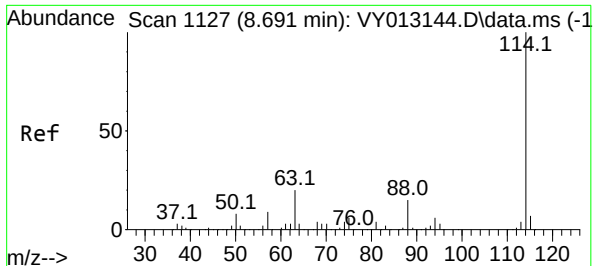
Tgt Ion:168 Resp: 612
Ion Ratio Lower Upper
168 100
99 59.9 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 81.952 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Tgt Ion: 65 Resp: 539
Ion Ratio Lower Upper
65 100
67 50.3 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: VY013198.D

Acq: 04 Apr 2023 18:38

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-040323

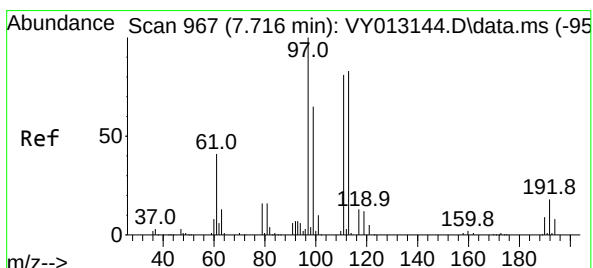
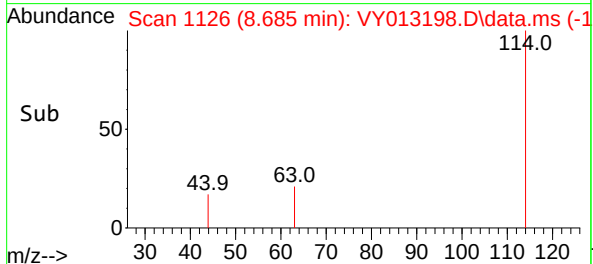
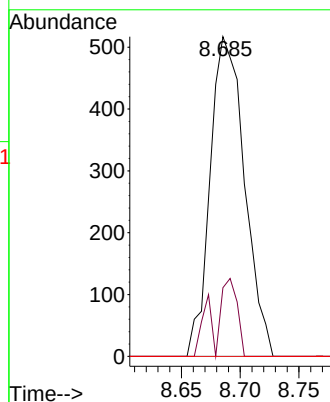
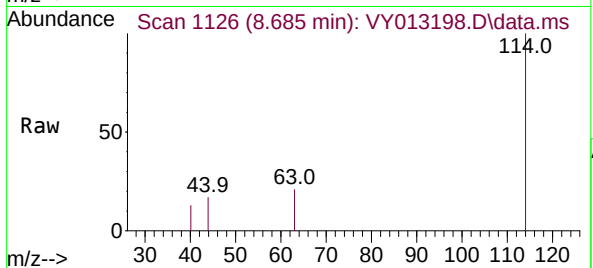
Tgt Ion:114 Resp: 1054

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 0.0 0.0 28.6



#35

Dibromofluoromethane

Concen: 43.280 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013198.D

Acq: 04 Apr 2023 18:38

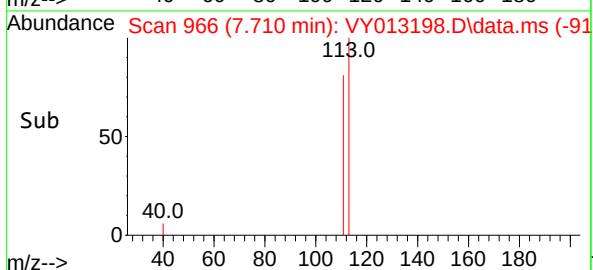
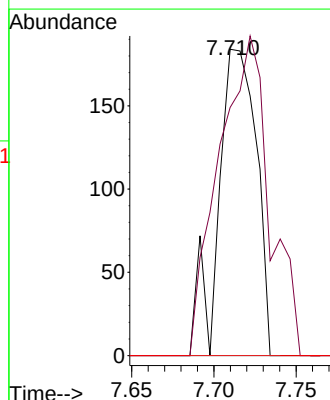
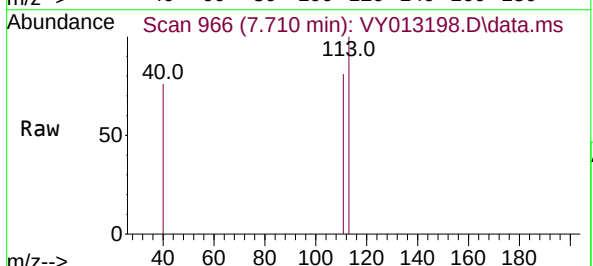
Tgt Ion:113 Resp: 298

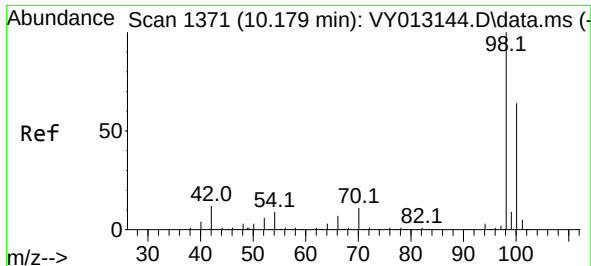
Ion Ratio Lower Upper

113 100

111 137.9 82.2 123.2#

192 0.0 16.8 25.2#

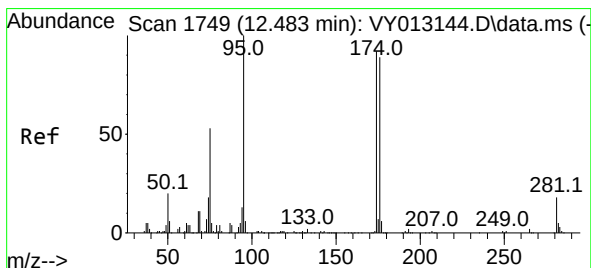
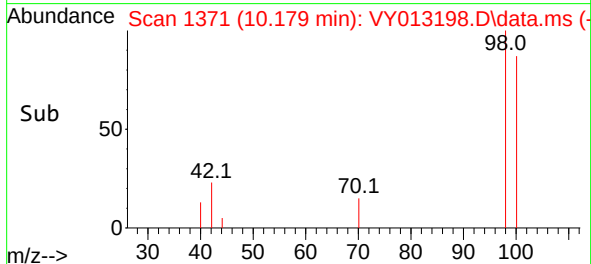
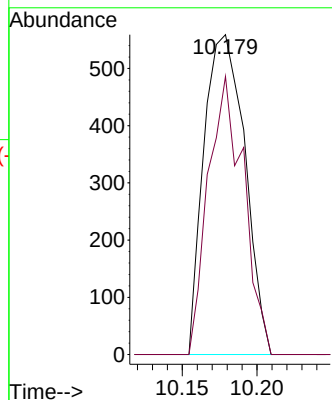
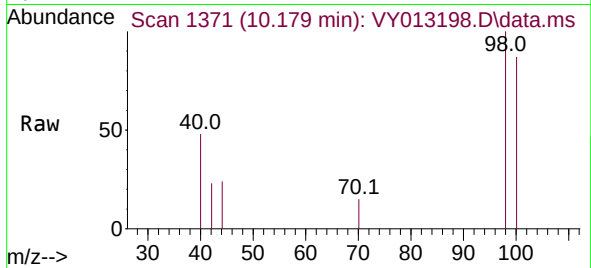




#50
Toluene-d8
Concen: 40.972 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

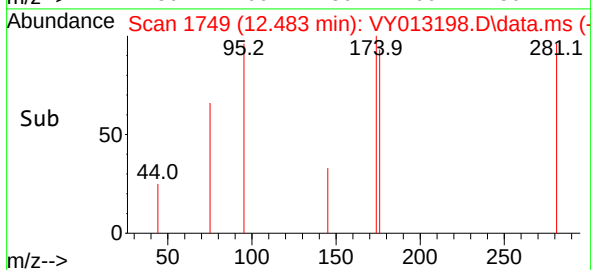
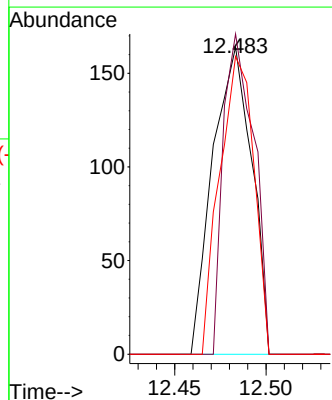
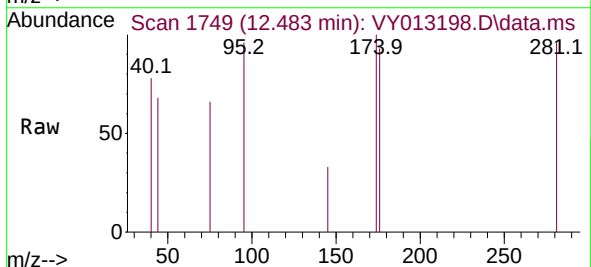
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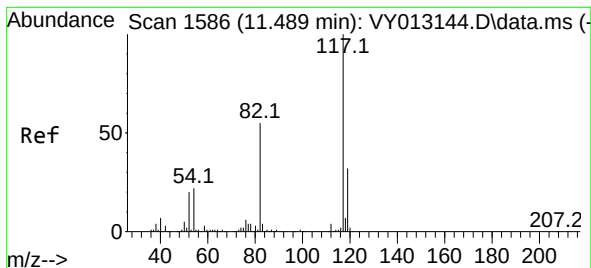
Tgt Ion: 98 Resp: 1065
Ion Ratio Lower Upper
98 100
100 75.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 28.838 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013198.D
Acq: 04 Apr 2023 18:38

Tgt Ion: 95 Resp: 244
Ion Ratio Lower Upper
95 100
174 81.6 0.0 176.6
176 85.2 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: VY013198.D

Acq: 04 Apr 2023 18:38

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-040323

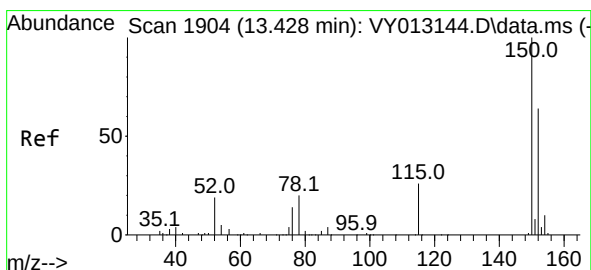
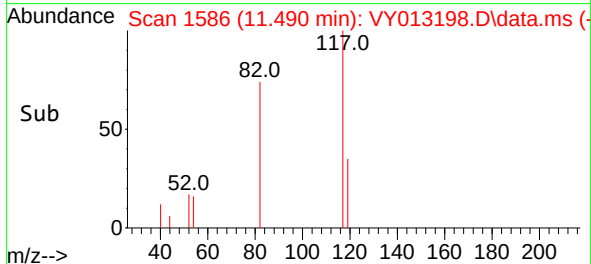
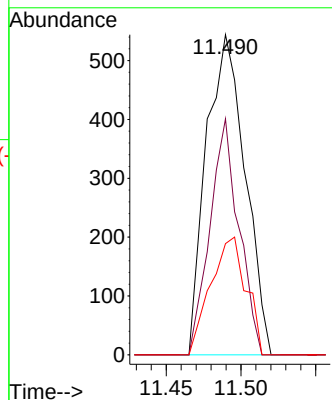
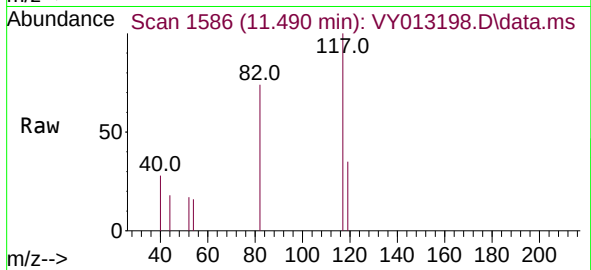
Tgt Ion:117 Resp: 981

Ion Ratio Lower Upper

117 100

82 73.7 45.4 68.0#

119 34.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY013198.D

Acq: 04 Apr 2023 18:38

Tgt Ion:152 Resp: 161

Ion Ratio Lower Upper

152 100

115 69.6 27.1 81.3

150 154.7 0.0 347.8

