

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022223\
 Data File : VY012687.D
 Acq On : 22 Feb 2023 12:51
 Operator : KP/MD
 Sample : 01608-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-02172023

Quant Time: Feb 22 14:06:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	24910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	39943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	39357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15673	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	16404	55.758	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.520%
35) Dibromofluoromethane	7.722	113	14734	54.613	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.220%
50) Toluene-d8	10.179	98	49938	49.407	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.820%
62) 4-Bromofluorobenzene	12.483	95	14504	44.842	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.680%

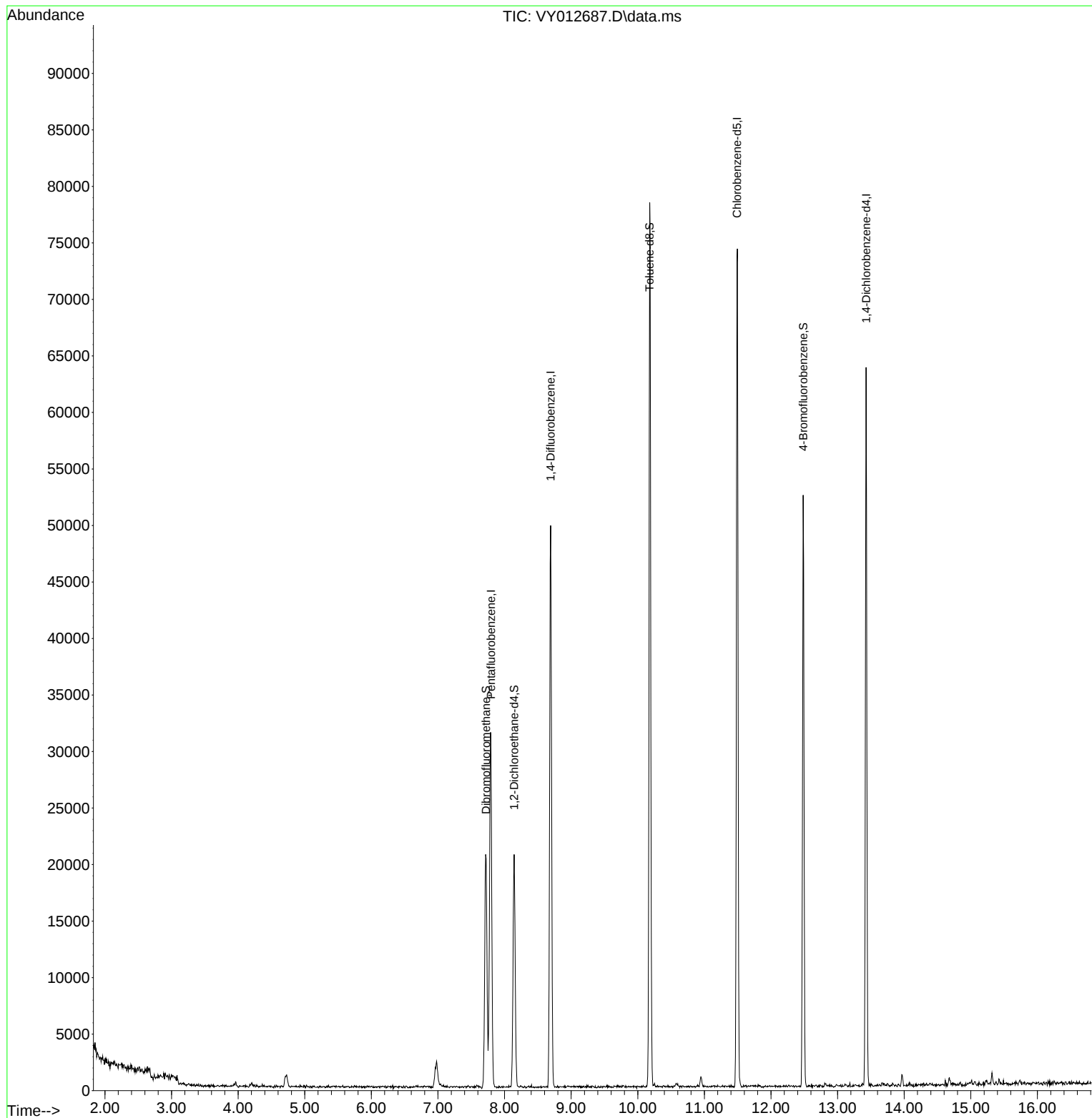
Target Compounds	Qvalue

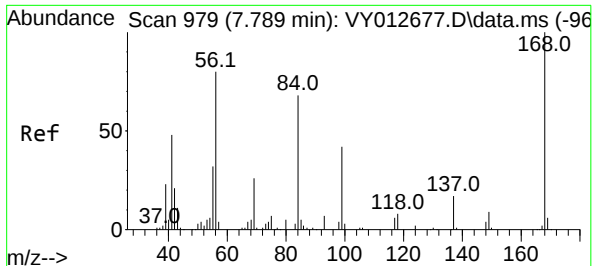
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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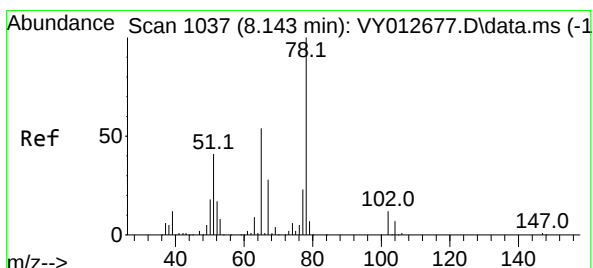
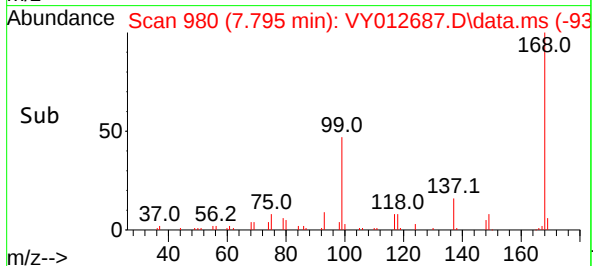
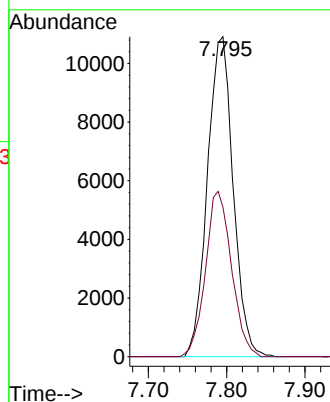
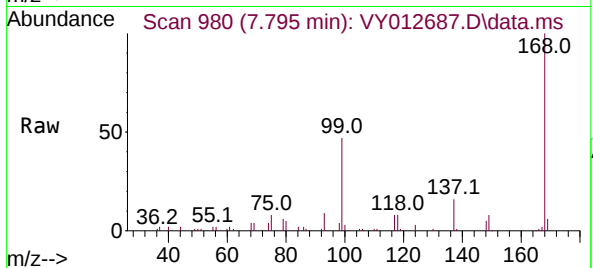




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012687.D
Acq: 22 Feb 2023 12:51

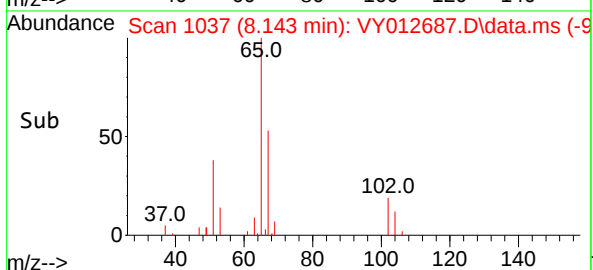
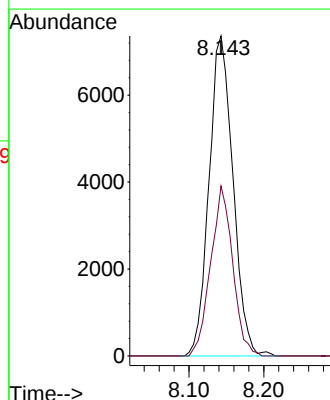
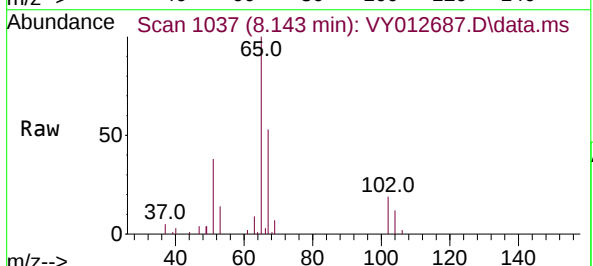
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-02172023

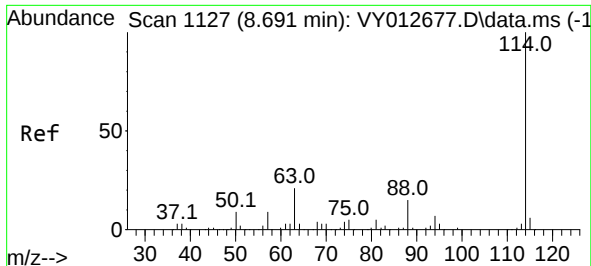
Tgt Ion:168 Resp: 24910
Ion Ratio Lower Upper
168 100
99 46.7 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 55.758 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012687.D
Acq: 22 Feb 2023 12:51

Tgt Ion: 65 Resp: 16404
Ion Ratio Lower Upper
65 100
67 48.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012687.D

Acq: 22 Feb 2023 12:51

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-02172023

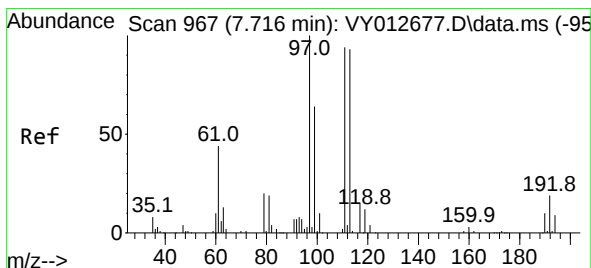
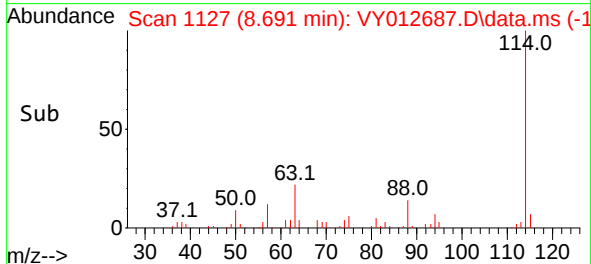
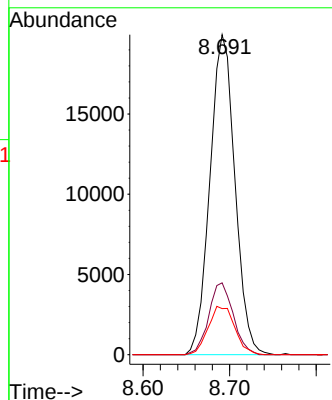
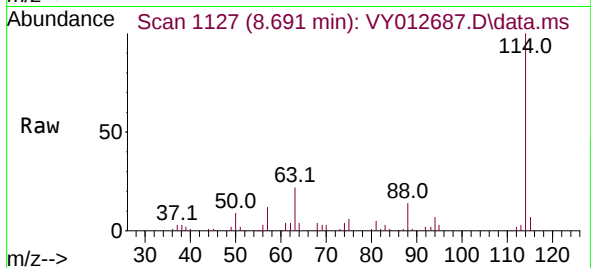
Tgt Ion:114 Resp: 39943

Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.8

88 14.4 0.0 29.6



#35

Dibromofluoromethane

Concen: 54.613 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012687.D

Acq: 22 Feb 2023 12:51

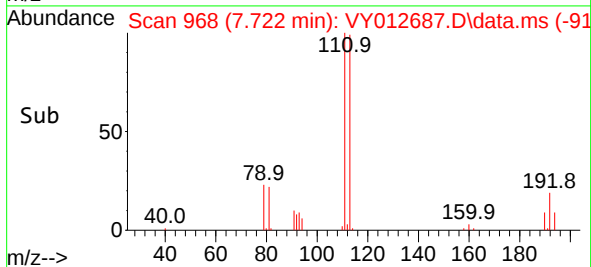
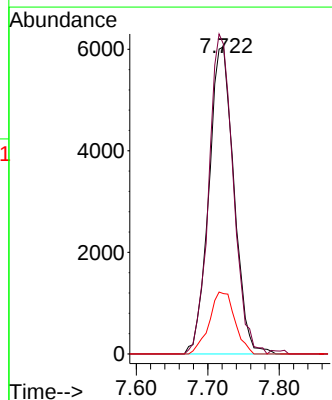
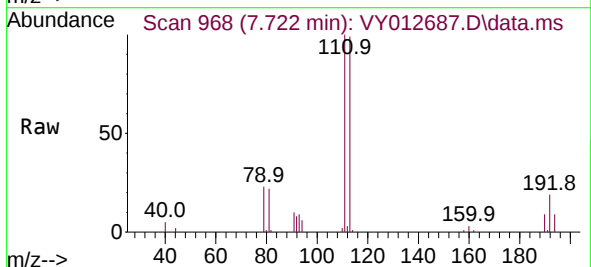
Tgt Ion:113 Resp: 14734

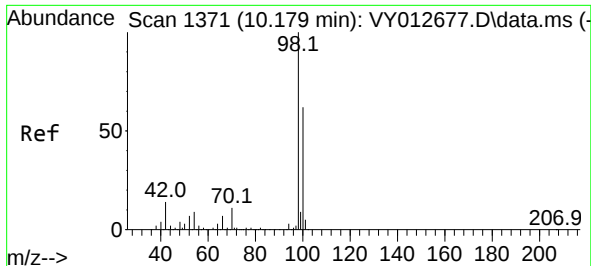
Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

192 20.5 16.2 24.2

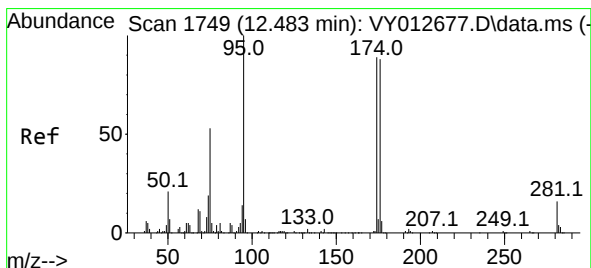
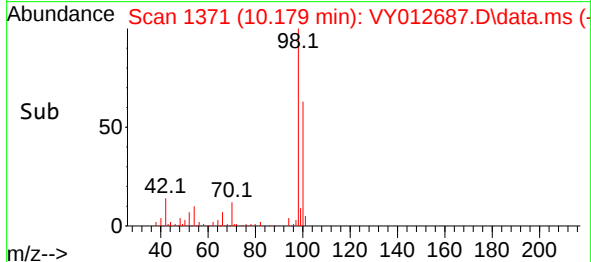
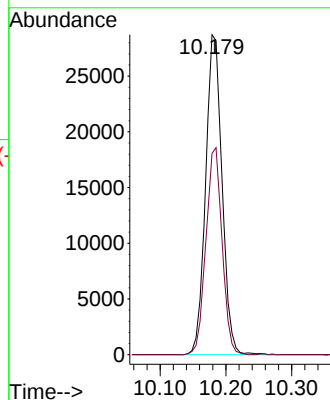
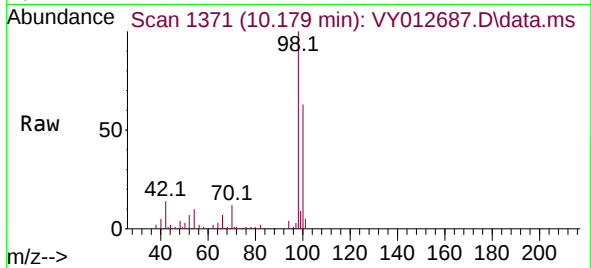




#50
Toluene-d8
Concen: 49.407 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012687.D
Acq: 22 Feb 2023 12:51

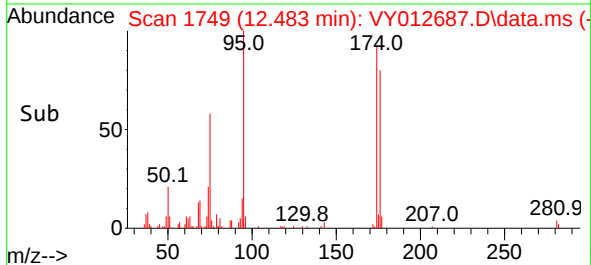
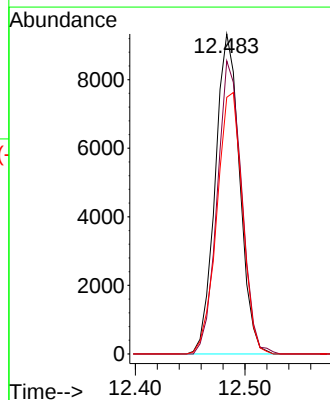
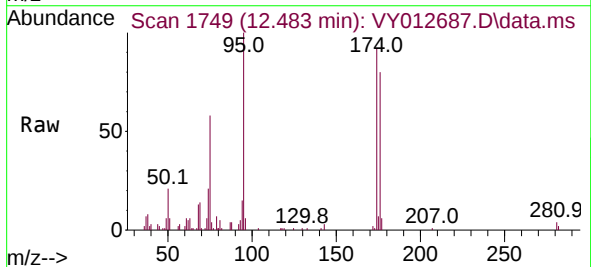
Instrument :
MSVOA_Y
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TR-04-02172023

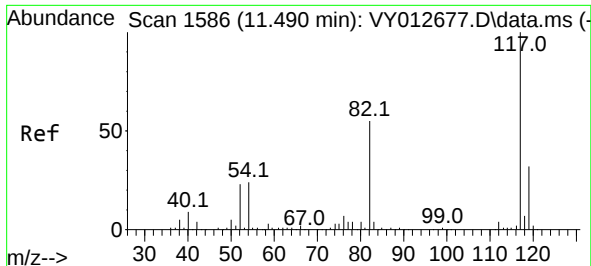
Tgt Ion: 98 Resp: 49938
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 44.842 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012687.D
Acq: 22 Feb 2023 12:51

Tgt Ion: 95 Resp: 14504
Ion Ratio Lower Upper
95 100
174 91.2 0.0 172.8
176 85.3 0.0 169.4

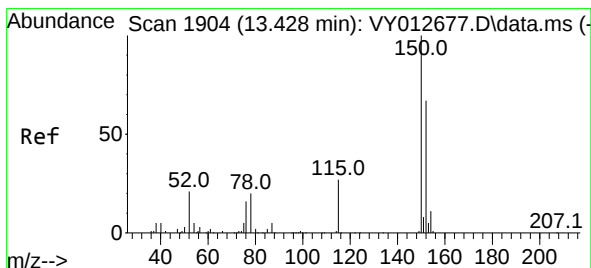
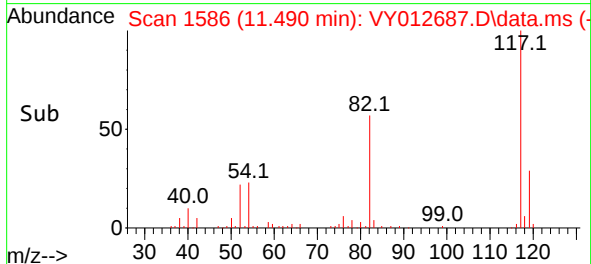
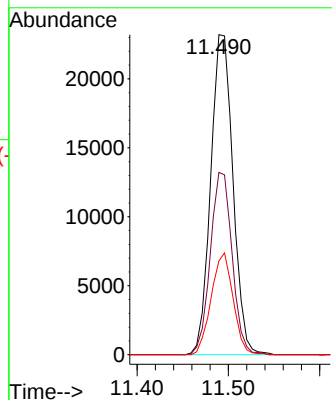
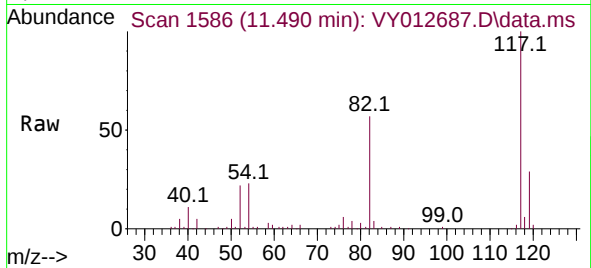




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012687.D
Acq: 22 Feb 2023 12:51

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-02172023

Tgt Ion:117 Resp: 39357
Ion Ratio Lower Upper
117 100
82 56.9 44.1 66.1
119 29.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012687.D
Acq: 22 Feb 2023 12:51

Tgt Ion:152 Resp: 15673
Ion Ratio Lower Upper
152 100
115 57.6 28.7 86.3
150 152.8 0.0 347.6

