

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
 Data File : VY011670.D
 Acq On : 01 Dec 2022 18:13
 Operator : KP/MD
 Sample : N5809-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HOWE-DRUM-C-1129

Quant Time: Dec 02 03:23:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	48776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	83798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	77628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	26176	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	32585	65.792	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.580%
35) Dibromofluoromethane	7.722	113	30781	59.670	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	119.340%
50) Toluene-d8	10.179	98	100322	53.517	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.040%
62) 4-Bromofluorobenzene	12.483	95	26618	38.405	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.820%

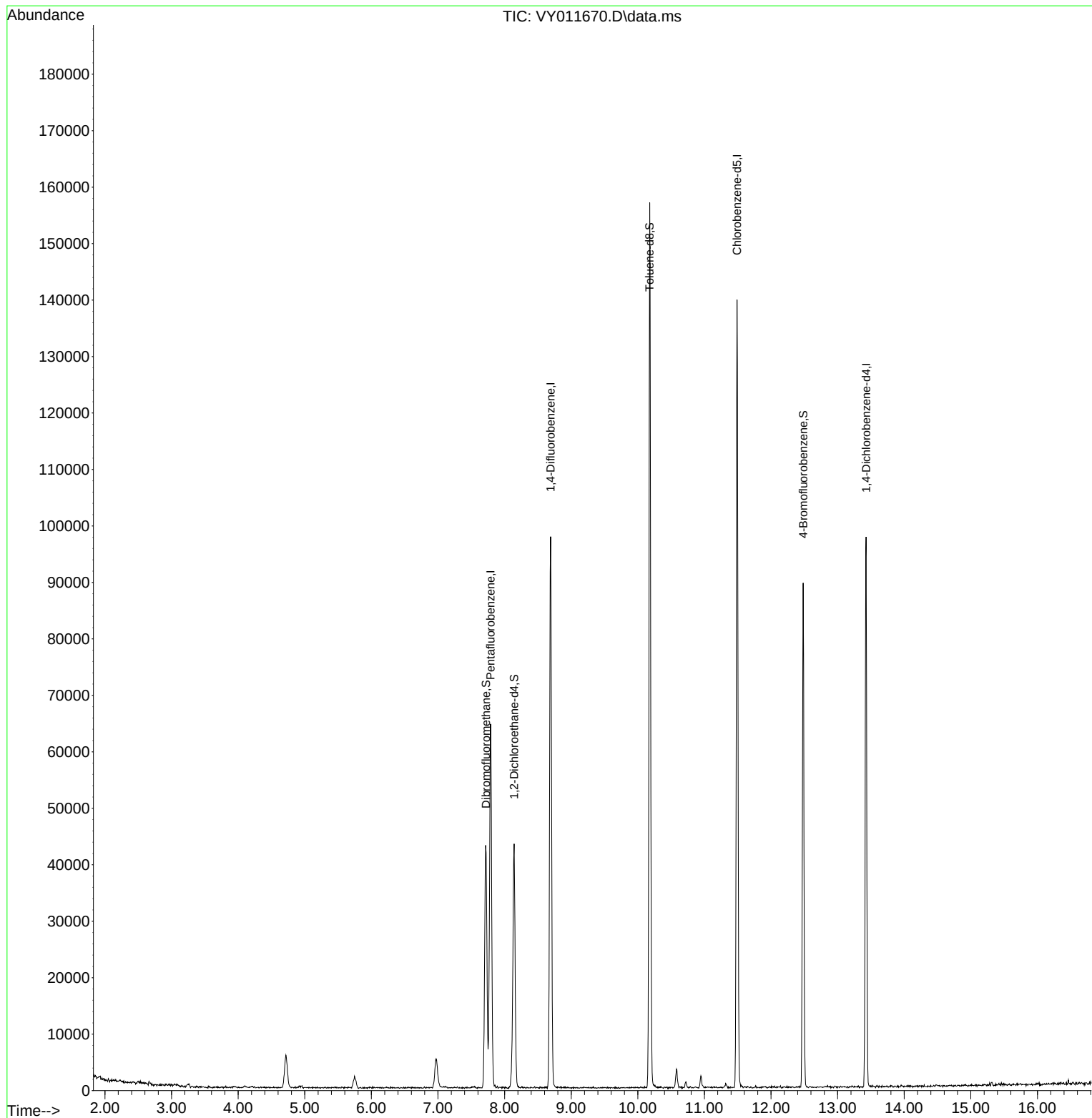
Target Compounds	Qvalue

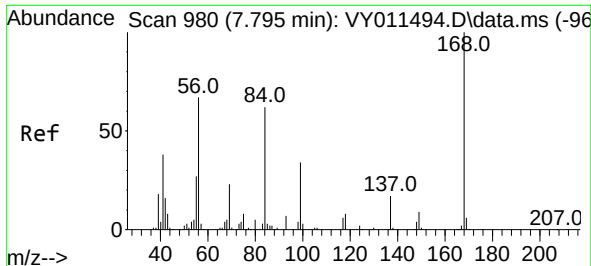
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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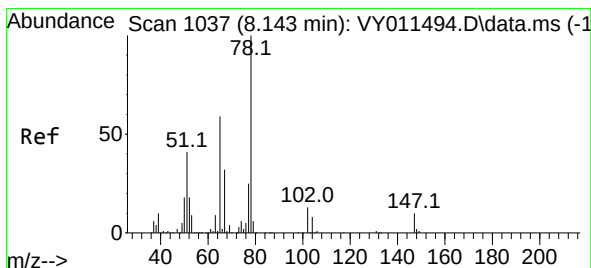
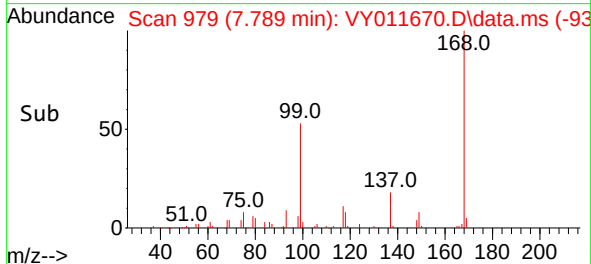
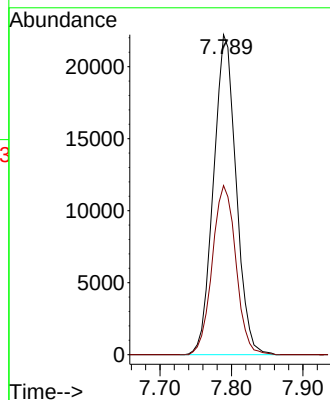
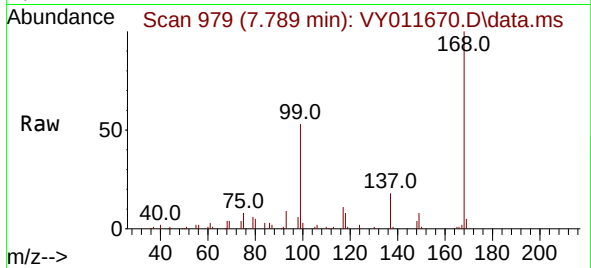




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

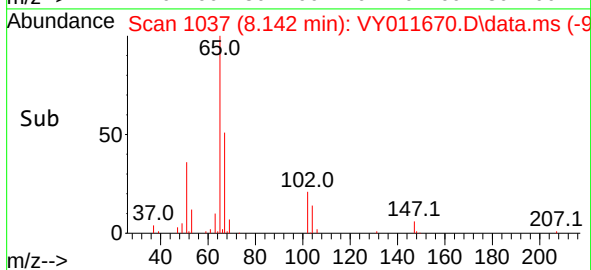
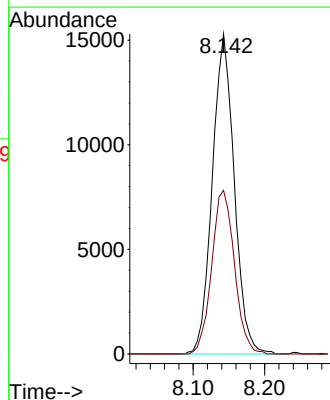
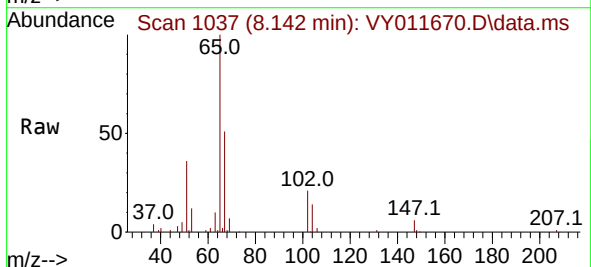
Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-C-1129

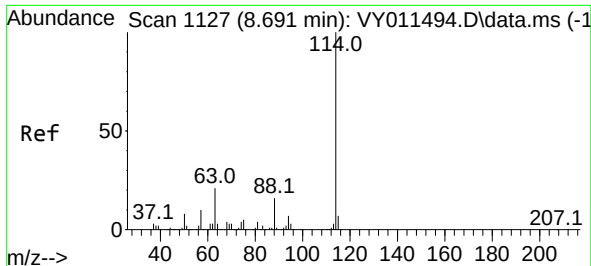
Tgt Ion:168 Resp: 48776
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#33
1,2-Dichloroethane-d4
Concen: 65.792 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 65 Resp: 32585
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011670.D

Acq: 01 Dec 2022 18:13

Instrument :

MSVOA_Y

ClientSampleId :

HOWE-DRUM-C-1129

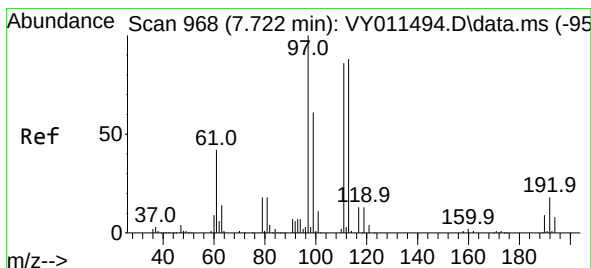
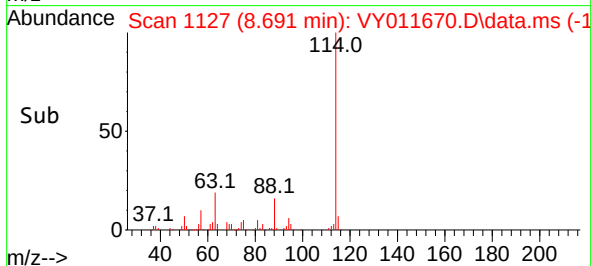
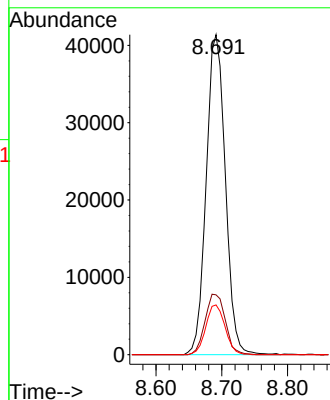
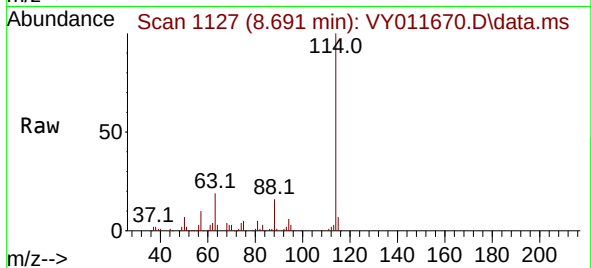
Tgt Ion:114 Resp: 83798

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.670 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY011670.D

Acq: 01 Dec 2022 18:13

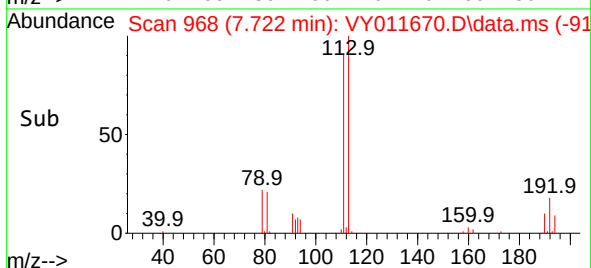
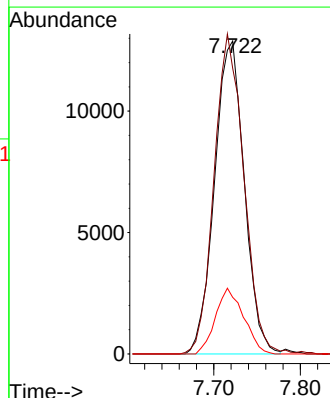
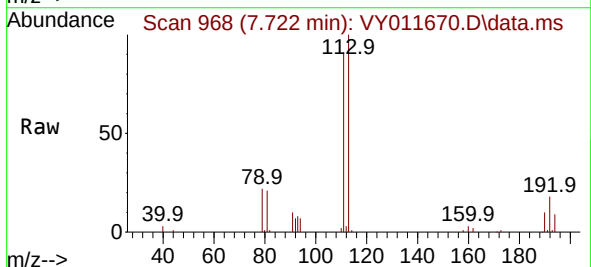
Tgt Ion:113 Resp: 30781

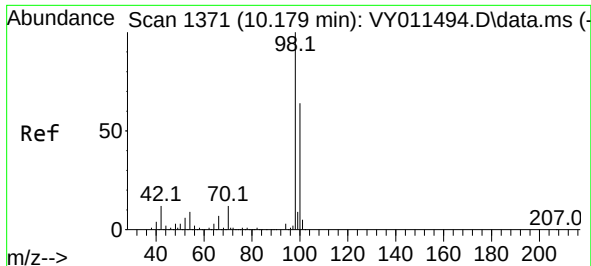
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 19.9 17.6 26.4

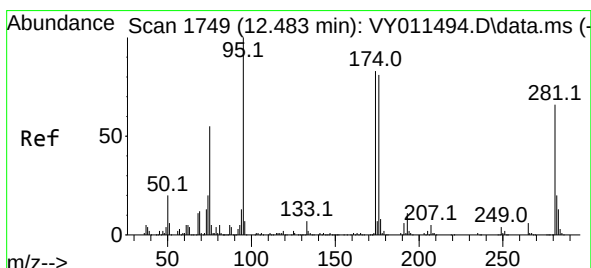
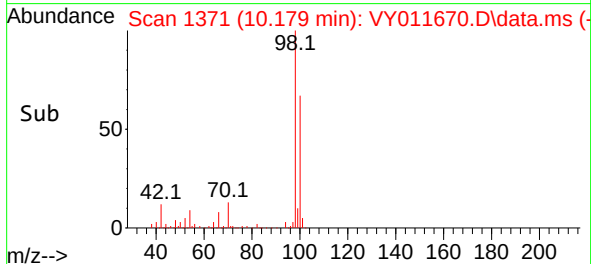
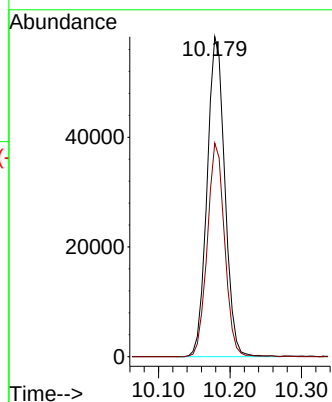
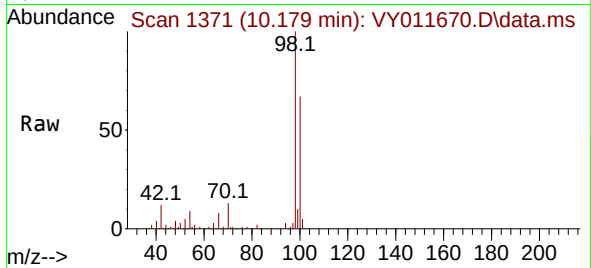




#50
Toluene-d8
Concen: 53.517 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

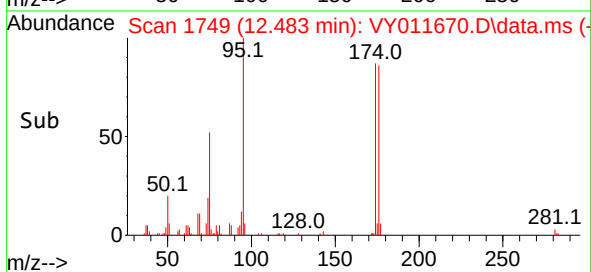
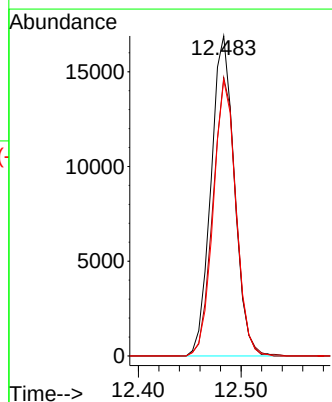
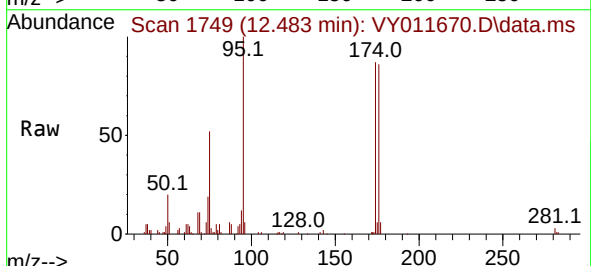
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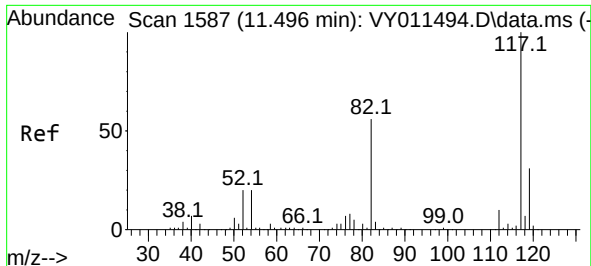
Tgt Ion: 98 Resp: 100322
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 38.405 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion: 95 Resp: 26618
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 83.4 0.0 175.8

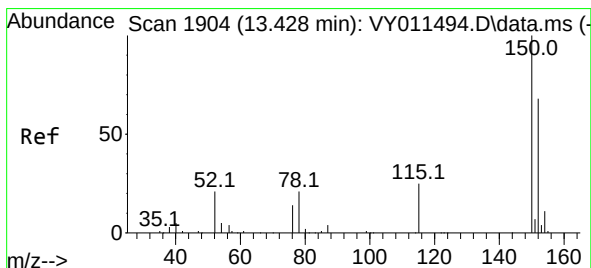
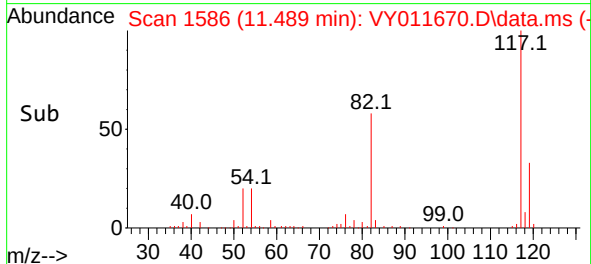
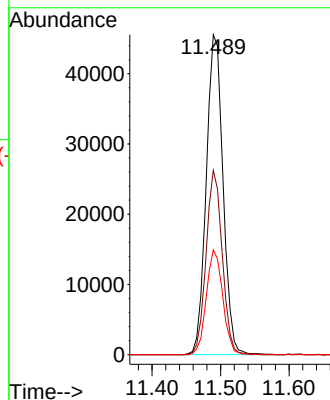
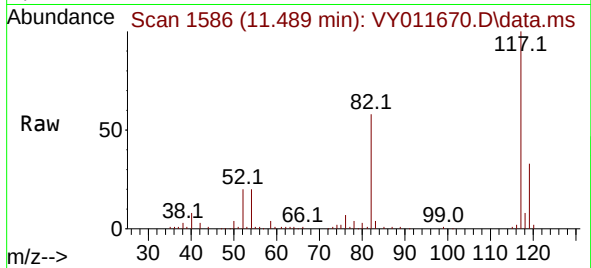




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Instrument :
MSVOA_Y
ClientSampleId :
HOWE-DRUM-C-1129

Tgt Ion:117 Resp: 77628
Ion Ratio Lower Upper
117 100
82 57.6 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011670.D
Acq: 01 Dec 2022 18:13

Tgt Ion:152 Resp: 26176
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.7
150 157.3 0.0 347.6

