

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080922\
 Data File : VY009923.D
 Acq On : 09 Aug 2022 16:34
 Operator : KP/MD
 Sample : N4091-09
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-124019

Quant Time: Aug 09 23:07:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 08 17:55:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.777	168	37802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	76266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	71308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	31434	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	14119	47.412	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.820%
35) Dibromofluoromethane	7.704	113	14119	34.103	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	68.200%
50) Toluene-d8	10.173	98	54799	42.717	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	85.440%
62) 4-Bromofluorobenzene	12.477	95	16124	27.893	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	55.780%

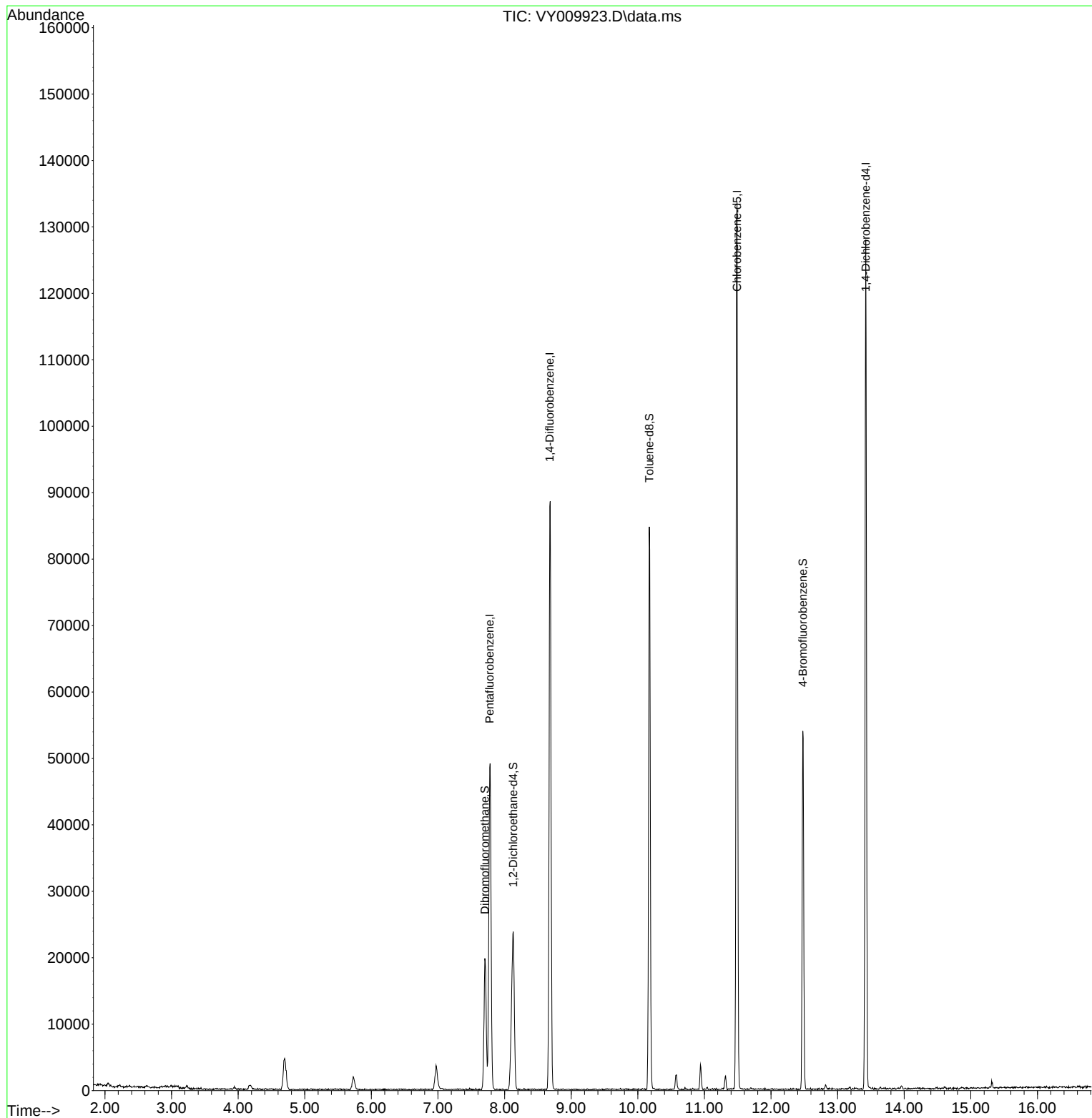
Target Compounds	Qvalue

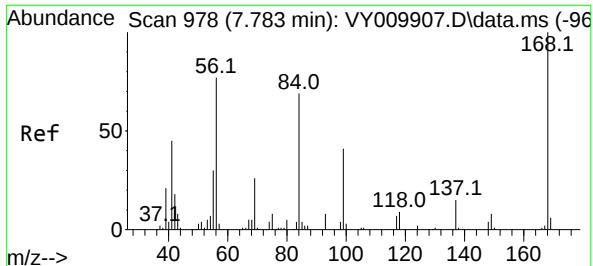
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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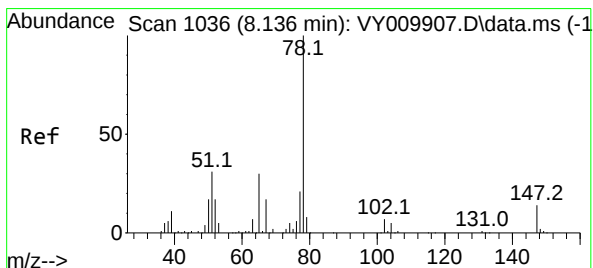
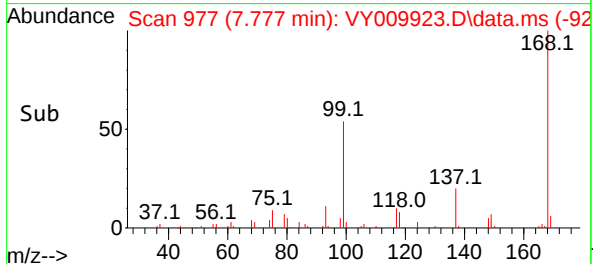
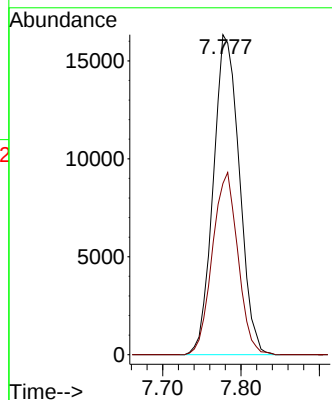
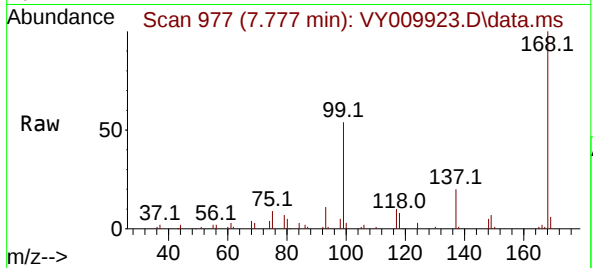




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.005 min
Lab File: VY009923.D
Acq: 09 Aug 2022 16:34

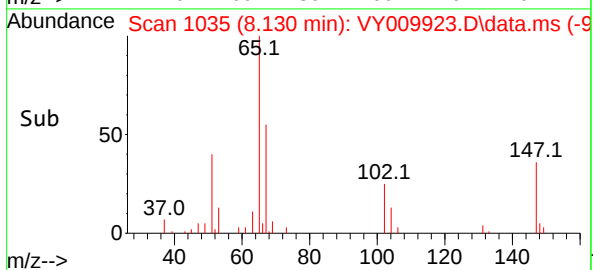
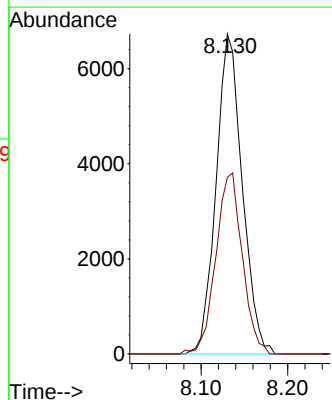
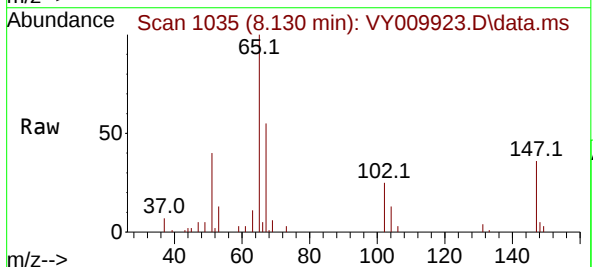
Instrument :
MSVOA_Y
ClientSampleId :
RO-124019

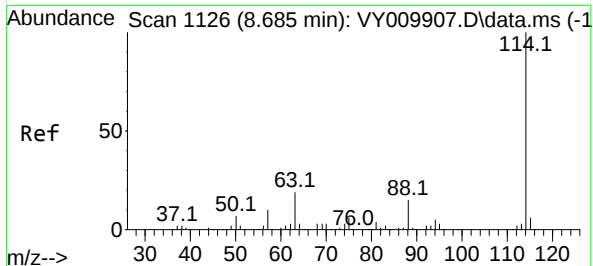
Tgt Ion:168 Resp: 37802
Ion Ratio Lower Upper
168 100
99 53.5 42.1 63.1



#33
1,2-Dichloroethane-d4
Concen: 47.412 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VY009923.D
Acq: 09 Aug 2022 16:34

Tgt Ion: 65 Resp: 14119
Ion Ratio Lower Upper
65 100
67 57.3 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY009923.D

Acq: 09 Aug 2022 16:34

Instrument :

MSVOA_Y

ClientSampleId :

RO-124019

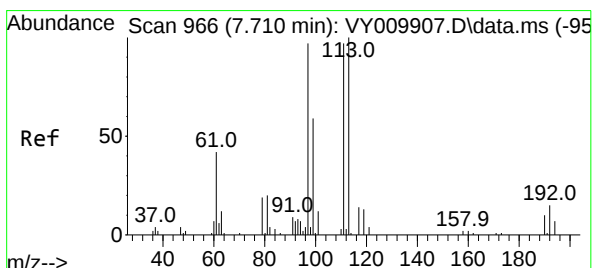
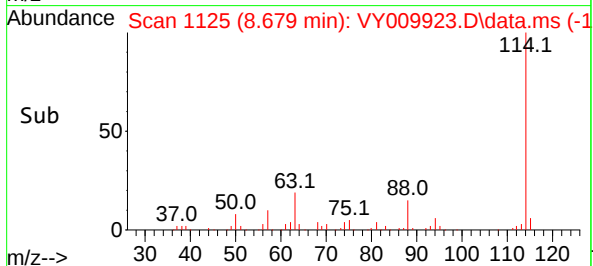
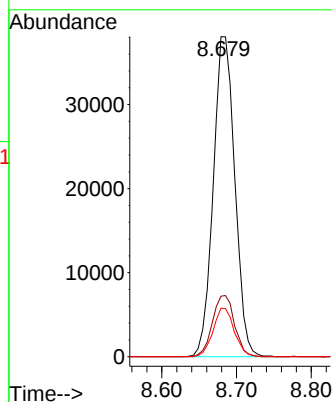
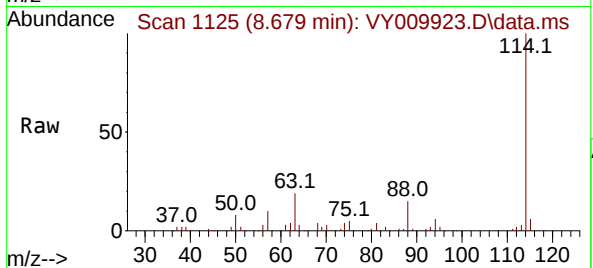
Tgt Ion:114 Resp: 76266

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

88 15.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 34.103 ug/l

RT: 7.704 min Scan# 965

Delta R.T. -0.005 min

Lab File: VY009923.D

Acq: 09 Aug 2022 16:34

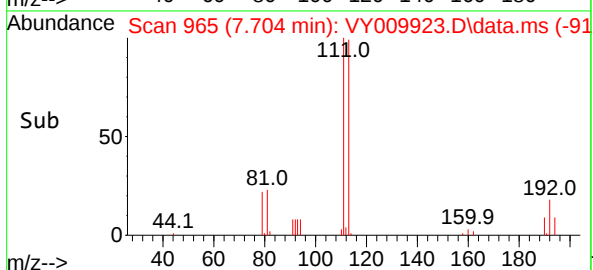
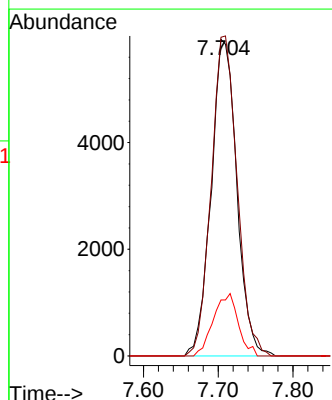
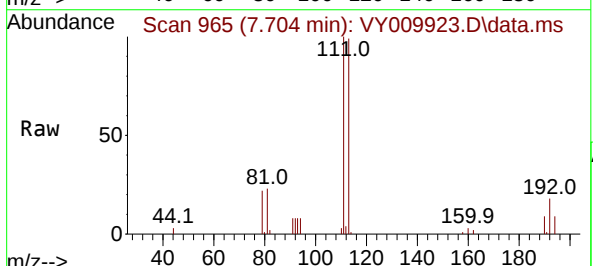
Tgt Ion:113 Resp: 14119

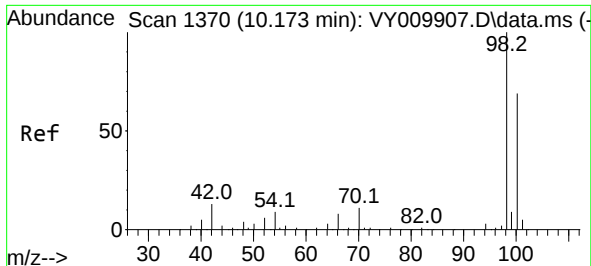
Ion Ratio Lower Upper

113 100

111 102.0 80.6 120.8

192 19.1 16.2 24.4

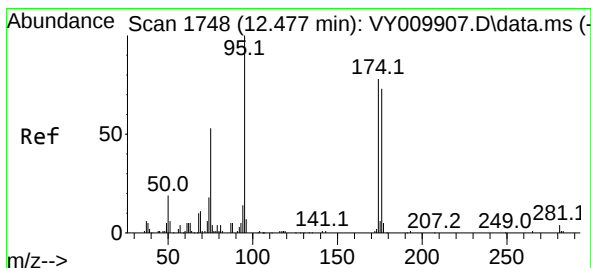
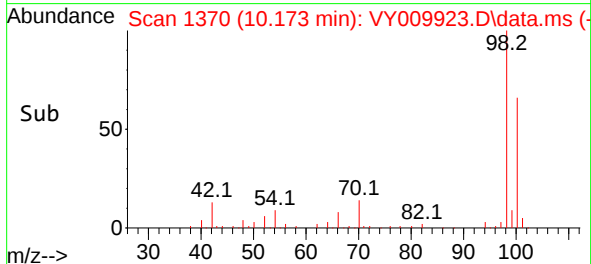
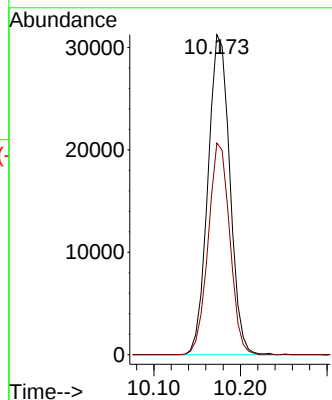
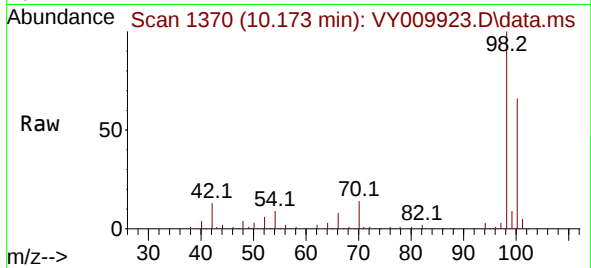




#50
Toluene-d8
Concen: 42.717 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY009923.D
Acq: 09 Aug 2022 16:34

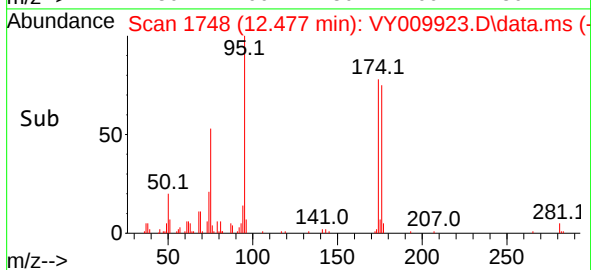
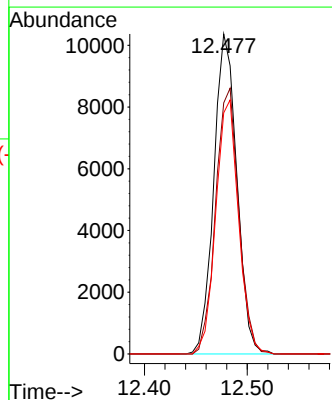
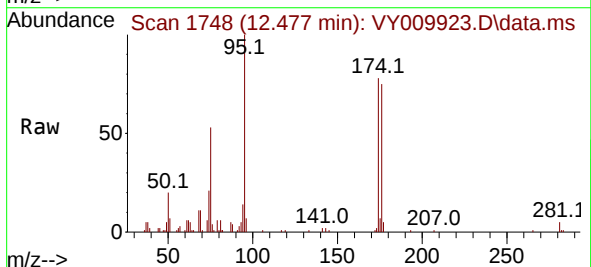
Instrument :
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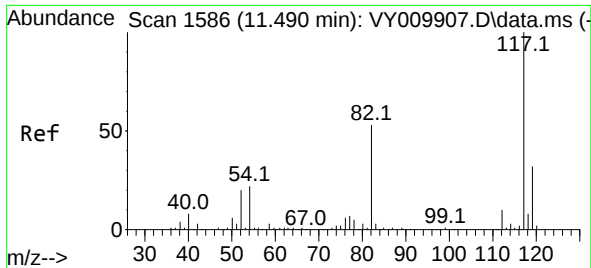
Tgt Ion: 98 Resp: 54799
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 27.893 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009923.D
Acq: 09 Aug 2022 16:34

Tgt Ion: 95 Resp: 16124
Ion Ratio Lower Upper
95 100
174 83.4 0.0 173.8
176 78.4 0.0 167.0

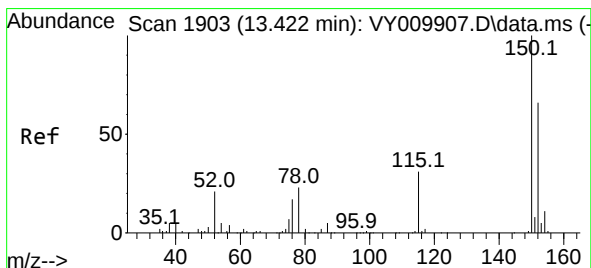
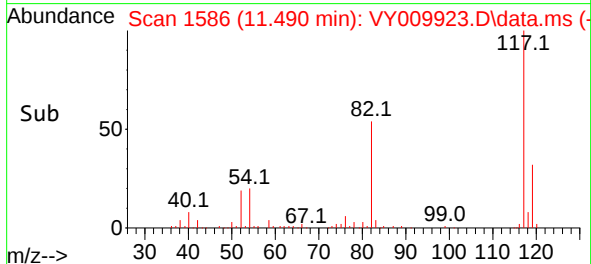
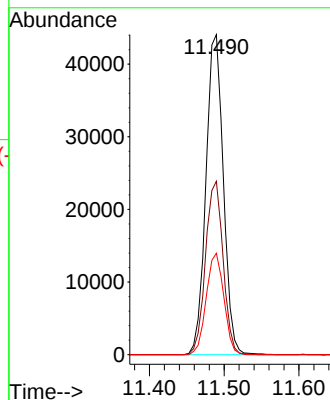
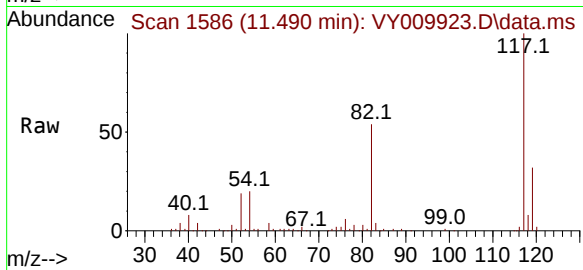




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY009923.D
Acq: 09 Aug 2022 16:34

Instrument :
MSVOA_Y
ClientSampleId :
RO-124019

Tgt Ion:117 Resp: 71308
Ion Ratio Lower Upper
117 100
82 54.2 41.8 62.6
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009923.D
Acq: 09 Aug 2022 16:34

Tgt Ion:152 Resp: 31434
Ion Ratio Lower Upper
152 100
115 56.5 28.6 85.9
150 156.6 0.0 349.8

