

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
 Data File : VY012068.D
 Acq On : 04 Jan 2023 14:00
 Operator : KP/MD
 Sample : 01009-01
 Misc : 5.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Jan 05 00:41:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	185158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	301783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138583	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112057	60.070	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.140%
35) Dibromofluoromethane	7.716	113	98720	51.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.920%
50) Toluene-d8	10.179	98	384130	49.349	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.477	95	123125	47.032	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.060%

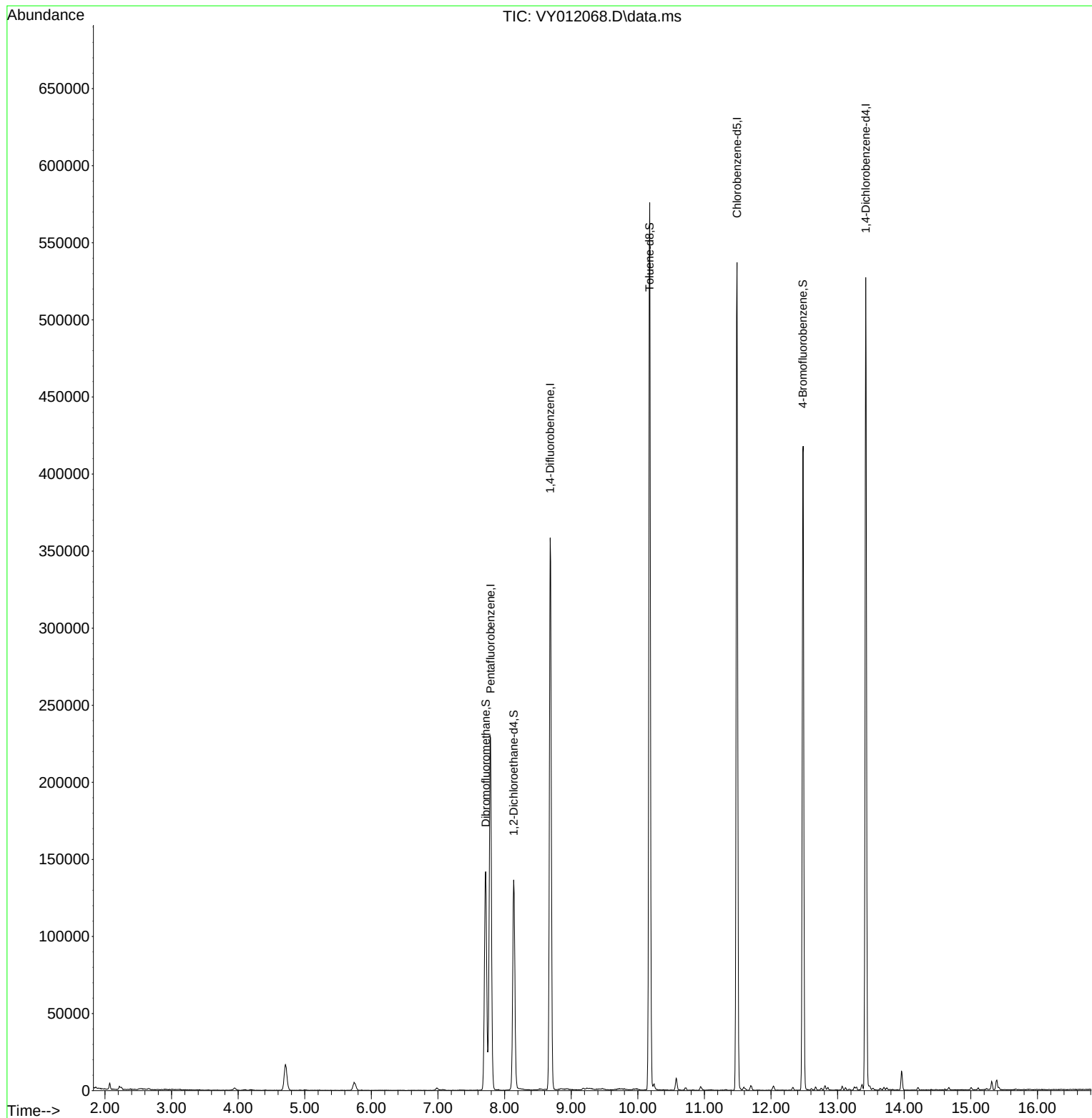
Target Compounds	Qvalue

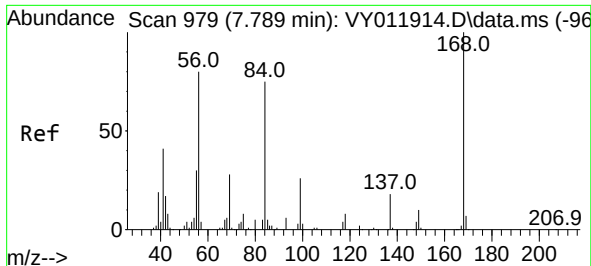
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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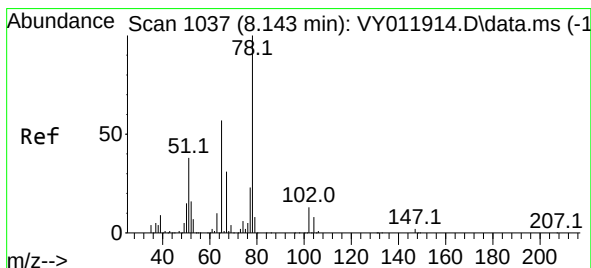
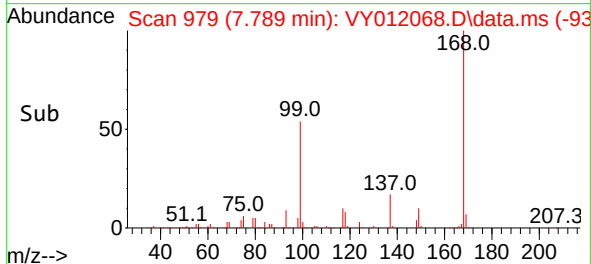
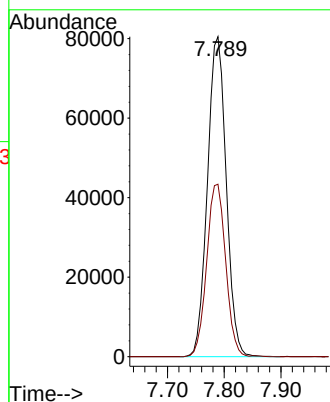
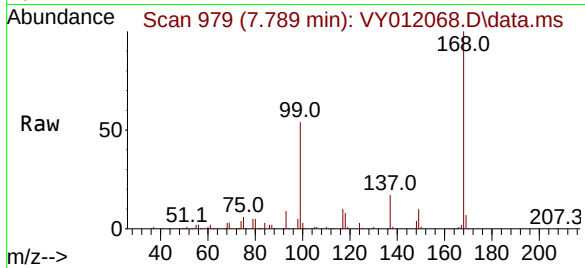




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

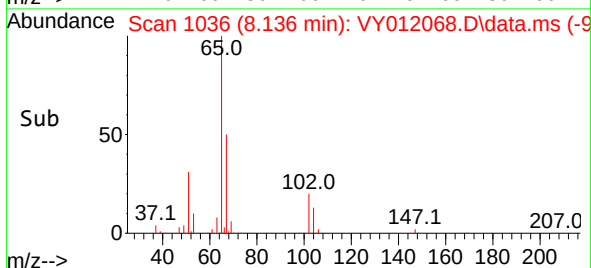
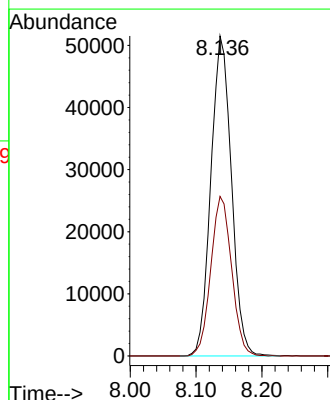
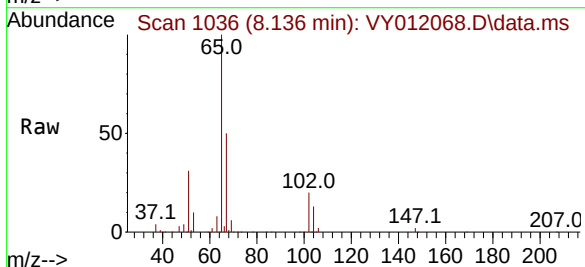
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

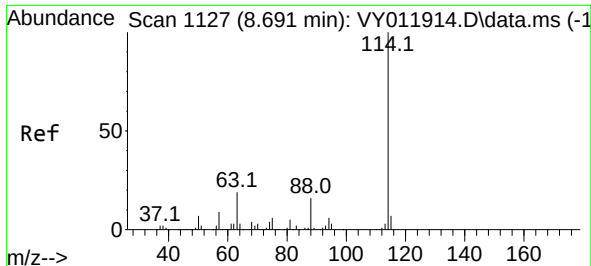
Tgt Ion:168 Resp: 185158
Ion Ratio Lower Upper
168 100
99 53.9 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 60.070 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

Tgt Ion: 65 Resp: 112057
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

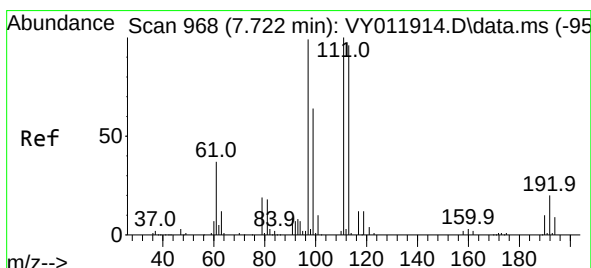
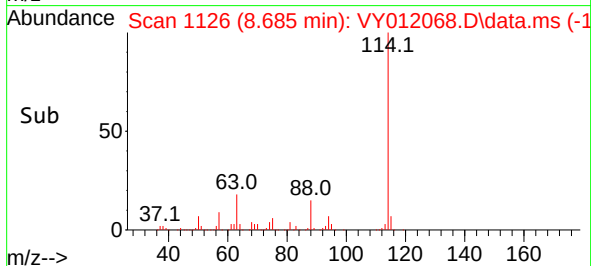
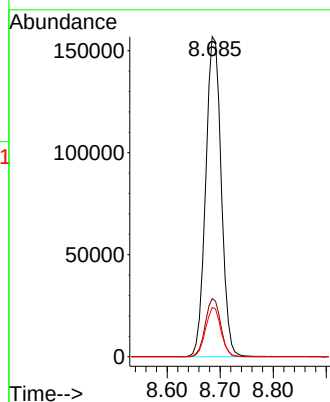
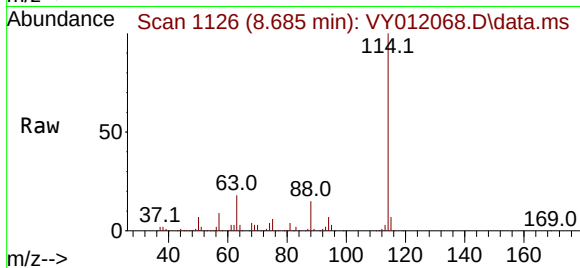
Tgt Ion:114 Resp: 318677

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.456 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

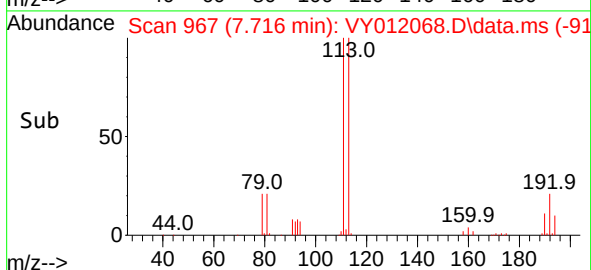
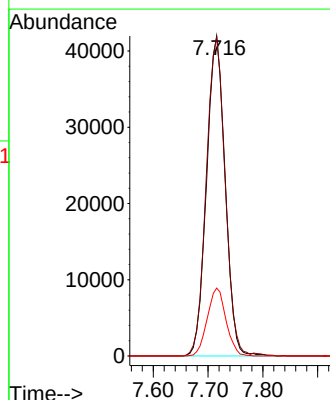
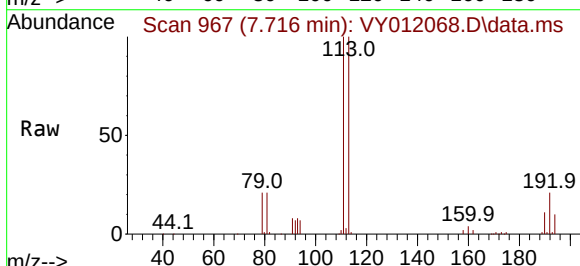
Tgt Ion:113 Resp: 98720

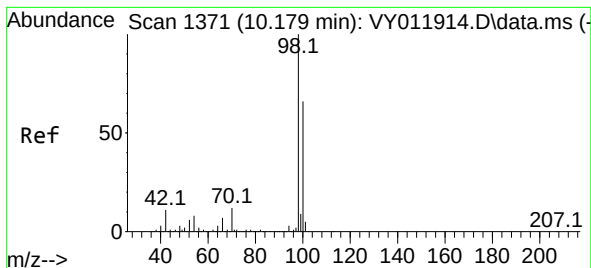
Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.4

192 21.3 16.0 24.0

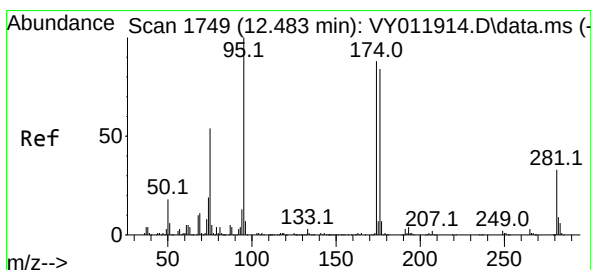
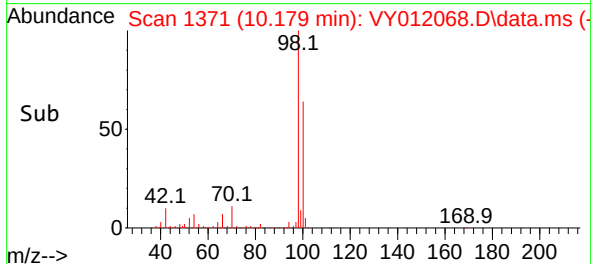
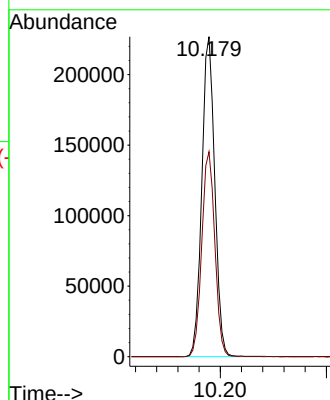
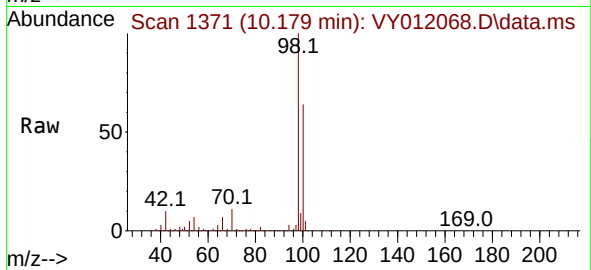




#50
Toluene-d8
Concen: 49.349 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

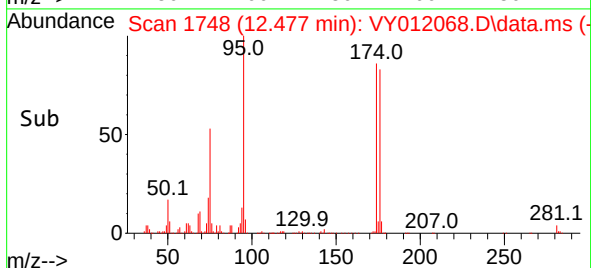
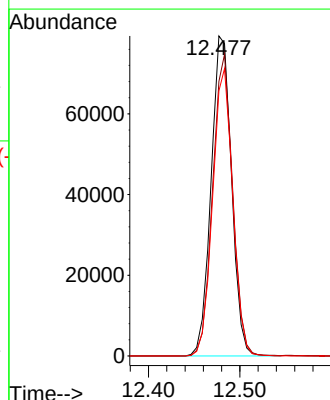
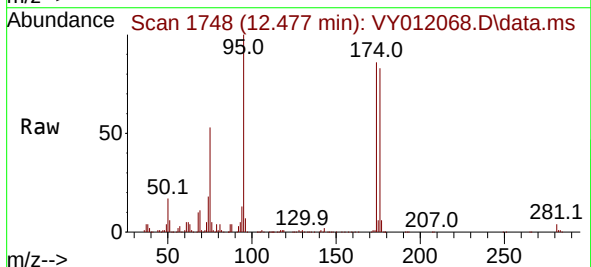
Instrument :
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TP-4

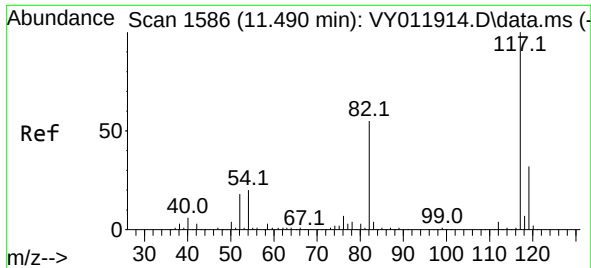
Tgt Ion: 98 Resp: 384130
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.032 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

Tgt Ion: 95 Resp: 123125
Ion Ratio Lower Upper
95 100
174 92.3 0.0 172.0
176 88.3 0.0 167.6

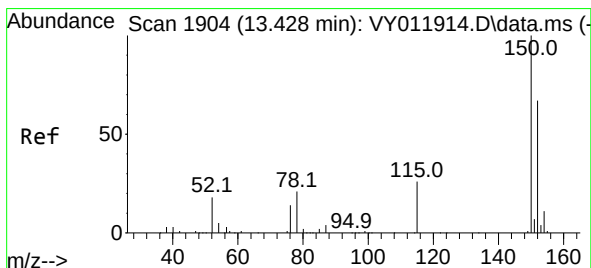
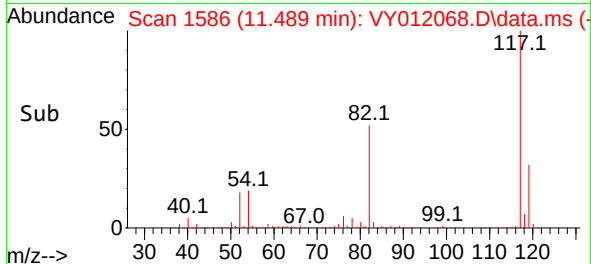
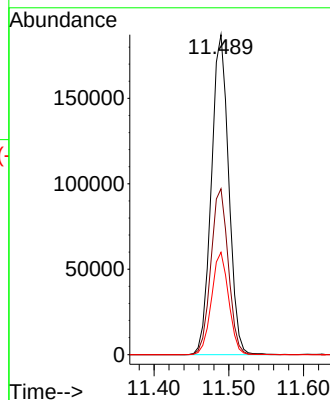
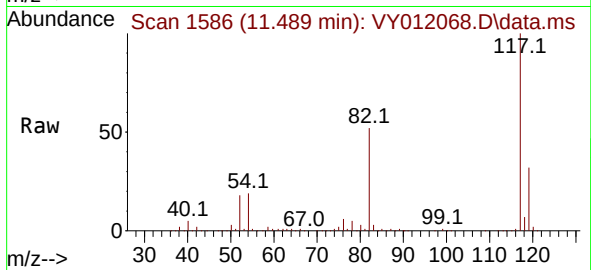




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion:117 Resp: 301783
Ion Ratio Lower Upper
117 100
82 51.8 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

Tgt Ion:152 Resp: 138583
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.3
150 156.7 0.0 342.6

