

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012555.D
 Acq On : 09 Feb 2023 10:36
 Operator : KP/MD
 Sample : VY0209SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0209SBL01

Quant Time: Feb 09 16:38:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	148005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	245858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	241092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112538	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	85683	45.526	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.060%
35) Dibromofluoromethane	7.716	113	72783	40.650	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.300%
50) Toluene-d8	10.179	98	289919	38.902	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.800%
62) 4-Bromofluorobenzene	12.483	95	96736	37.214	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.420%

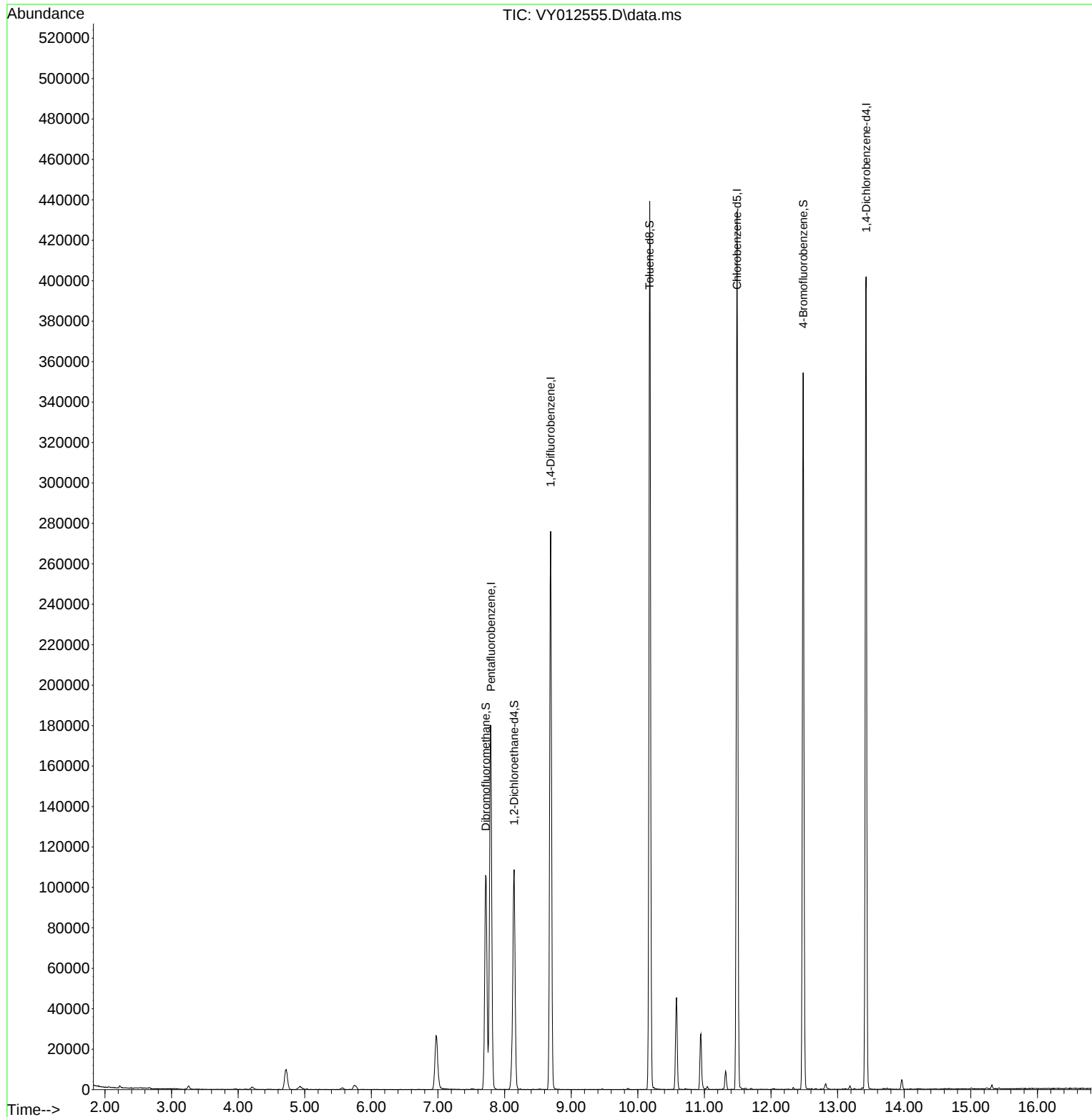
Target Compounds	Qvalue

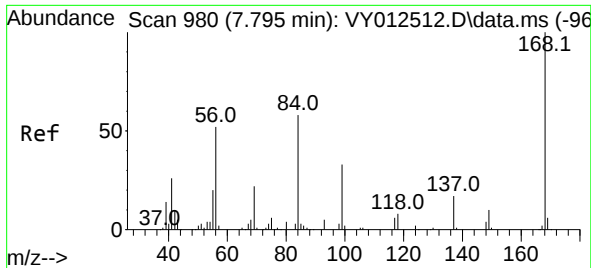
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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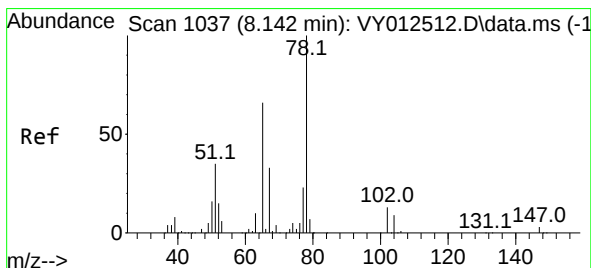
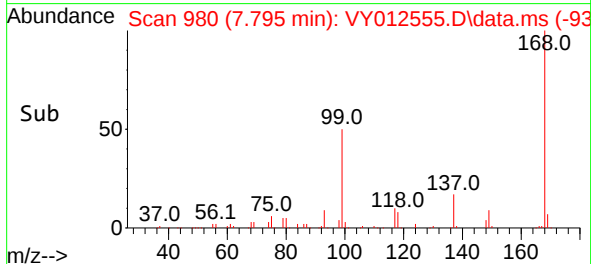
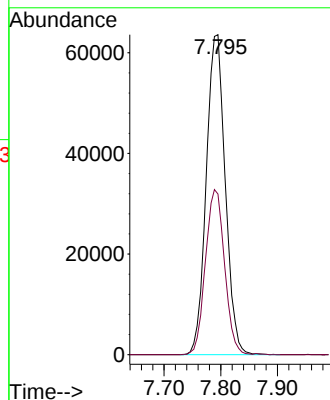
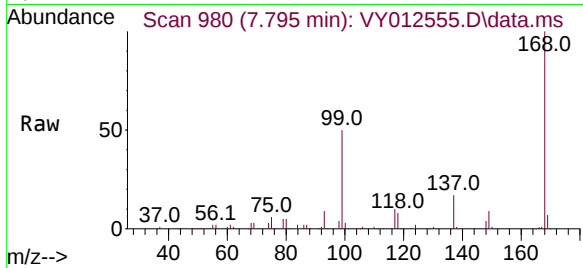




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY012555.D
Acq: 09 Feb 2023 10:36

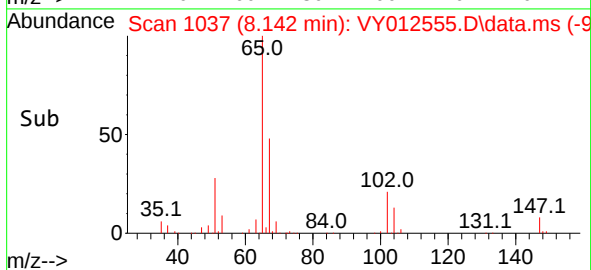
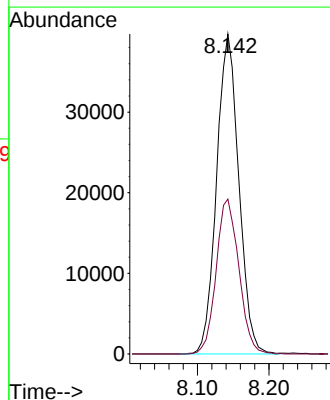
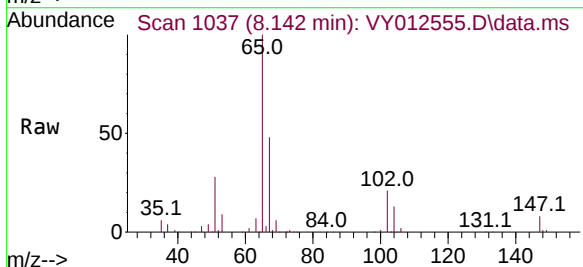
Instrument :
MSVOA_Y
ClientSampleId :
VY0209SBL01

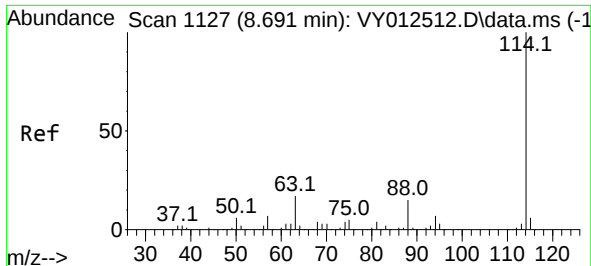
Tgt Ion:168 Resp: 148005
Ion Ratio Lower Upper
168 100
99 50.2 40.8 61.2



#33
1,2-Dichloroethane-d4
Concen: 45.526 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012555.D
Acq: 09 Feb 2023 10:36

Tgt Ion: 65 Resp: 85683
Ion Ratio Lower Upper
65 100
67 49.4 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012555.D

Acq: 09 Feb 2023 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0209SBL01

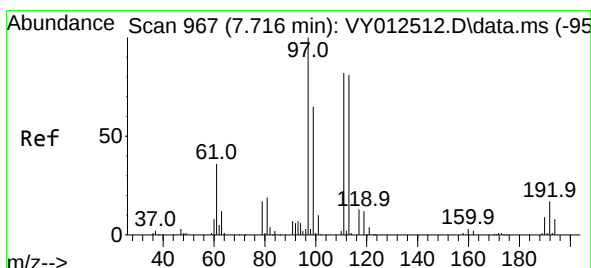
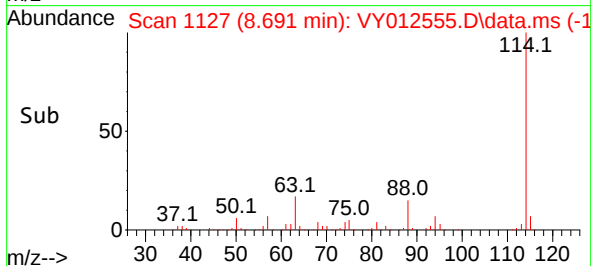
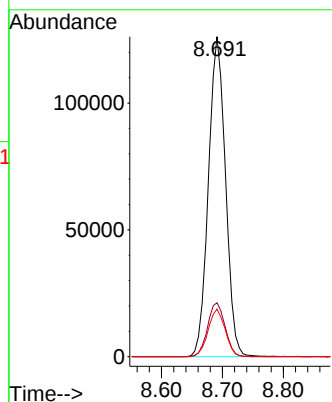
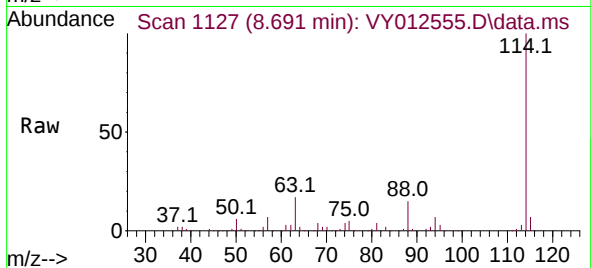
Tgt Ion:114 Resp: 245858

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.6

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.650 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012555.D

Acq: 09 Feb 2023 10:36

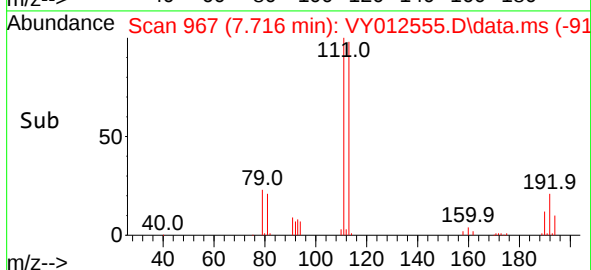
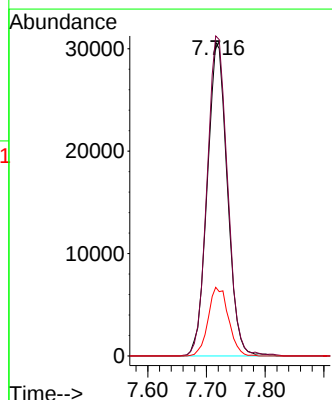
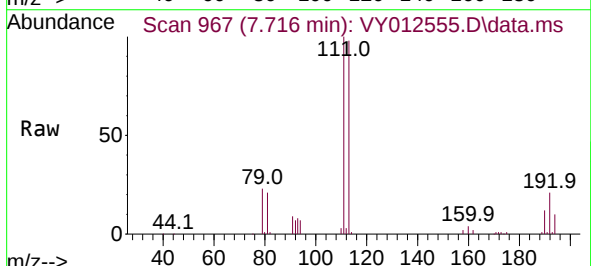
Tgt Ion:113 Resp: 72783

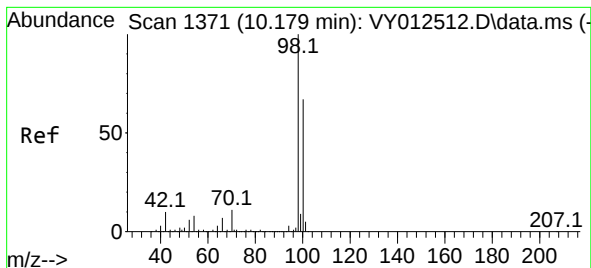
Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

192 22.1 17.5 26.3

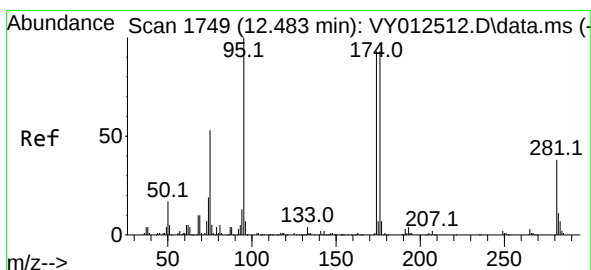
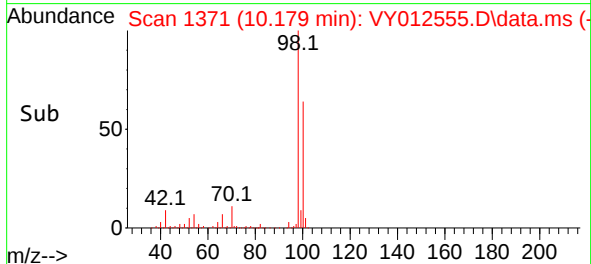
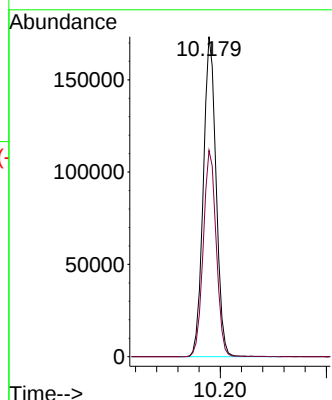
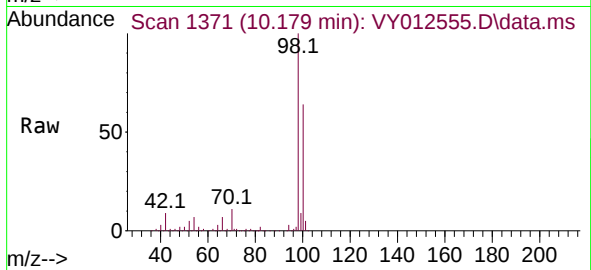




#50
Toluene-d8
Concen: 38.902 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012555.D
Acq: 09 Feb 2023 10:36

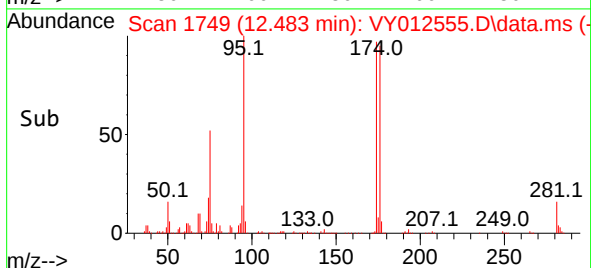
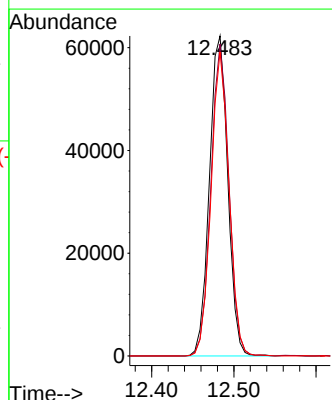
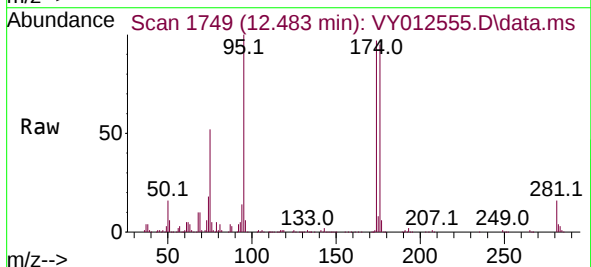
Instrument :
MSVOA_Y
ClientSampleId :
VY0209SBL01

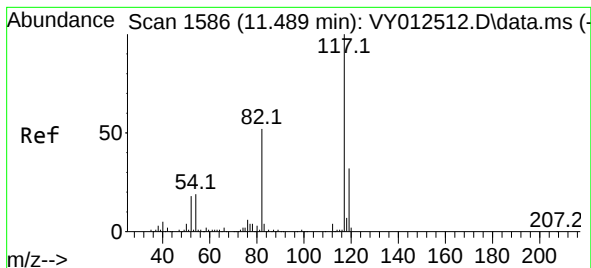
Tgt Ion: 98 Resp: 289919
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.214 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012555.D
Acq: 09 Feb 2023 10:36

Tgt Ion: 95 Resp: 96736
Ion Ratio Lower Upper
95 100
174 95.8 0.0 188.0
176 92.9 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012555.D

Acq: 09 Feb 2023 10:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0209SBL01

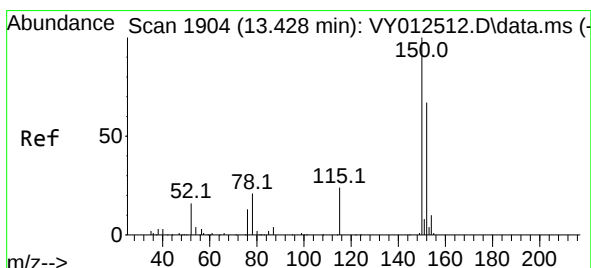
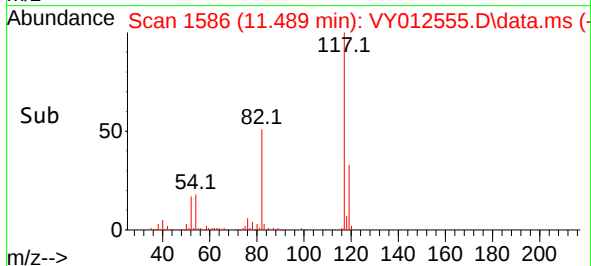
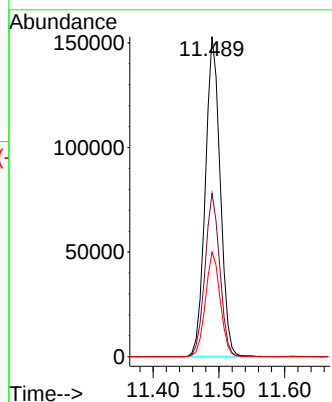
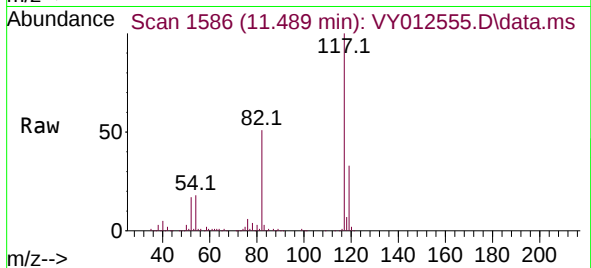
Tgt Ion:117 Resp: 241092

Ion Ratio Lower Upper

117 100

82 51.1 41.7 62.5

119 32.7 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012555.D

Acq: 09 Feb 2023 10:36

Tgt Ion:152 Resp: 112538

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.3

150 156.1 0.0 351.0

