

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015903.D
 Acq On : 10 Oct 2023 17:39
 Operator : SY/MD
 Sample : 04817-04
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241

Quant Time: Oct 11 01:22:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	99896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	167539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	151026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68803	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54491	60.622	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.240%
35) Dibromofluoromethane	7.722	113	53976	57.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.520%
50) Toluene-d8	10.185	98	196902	63.933	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	127.860%
62) 4-Bromofluorobenzene	12.483	95	62199	49.722	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.440%

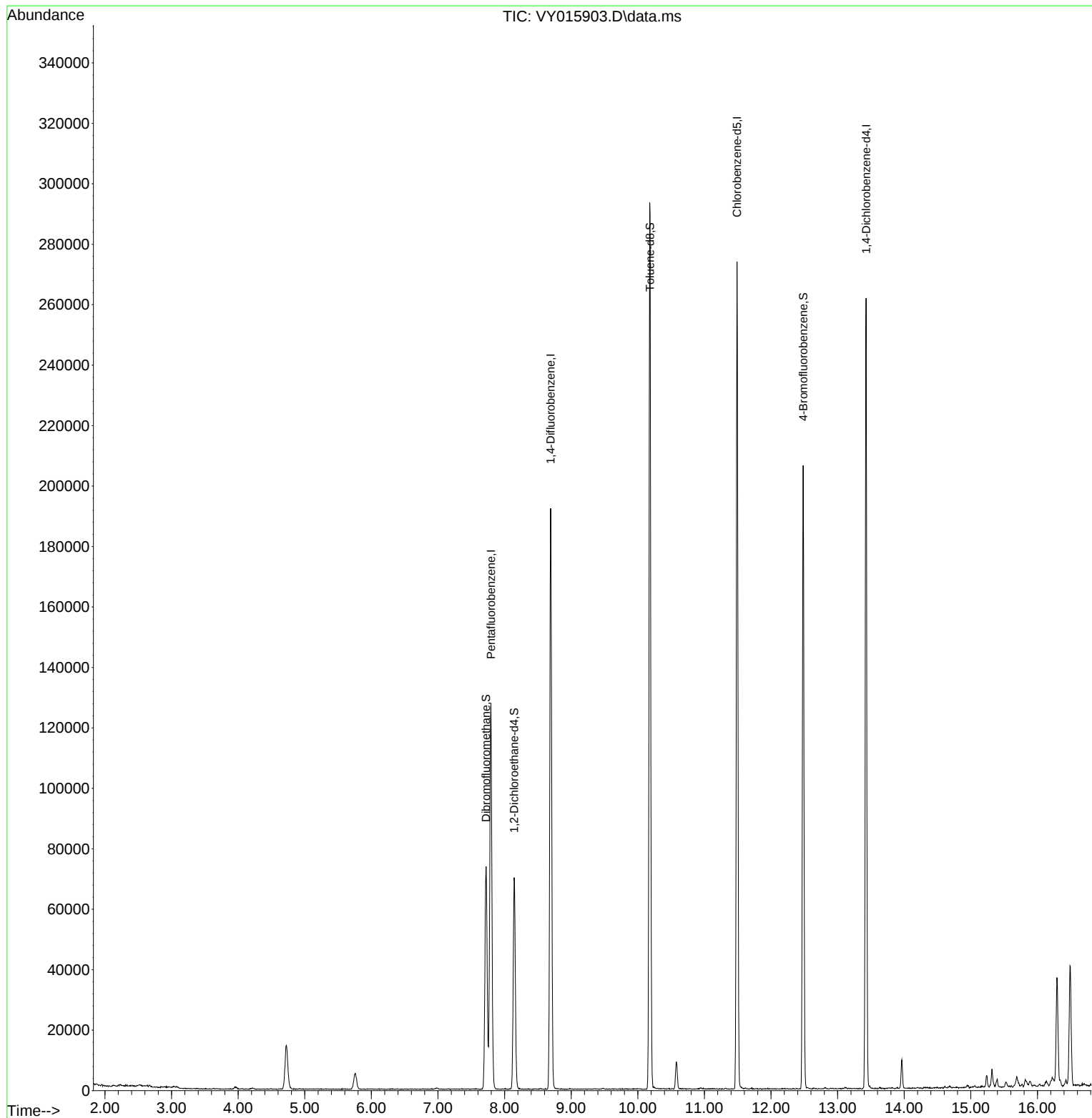
Target Compounds	Qvalue

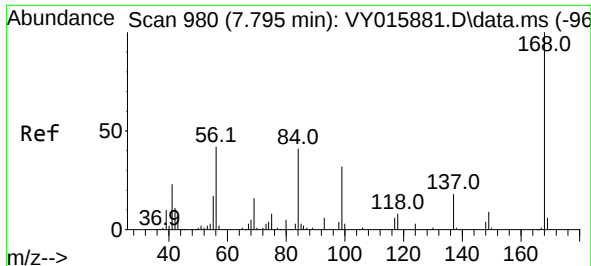
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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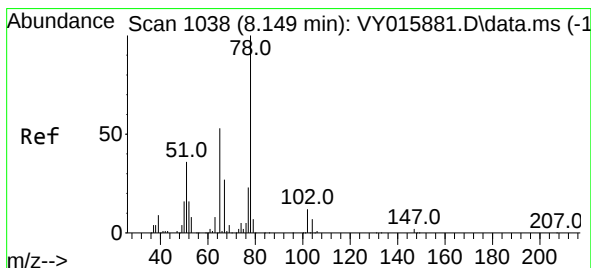
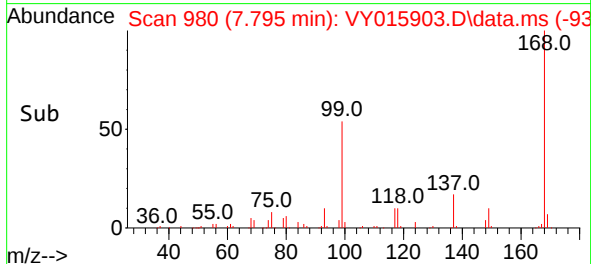
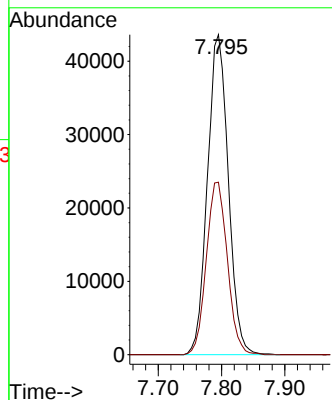
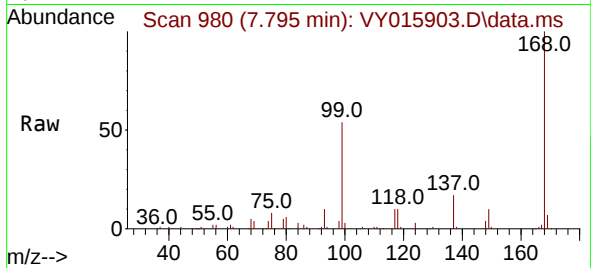




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015903.D
Acq: 10 Oct 2023 17:39

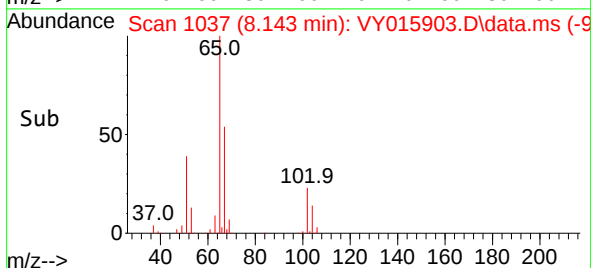
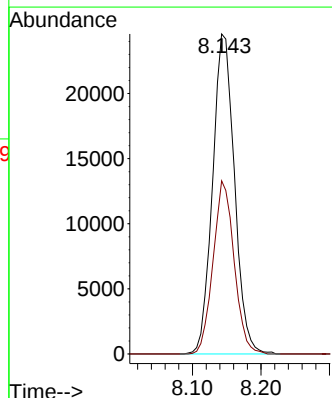
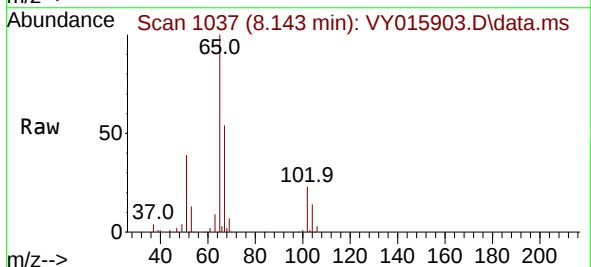
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241

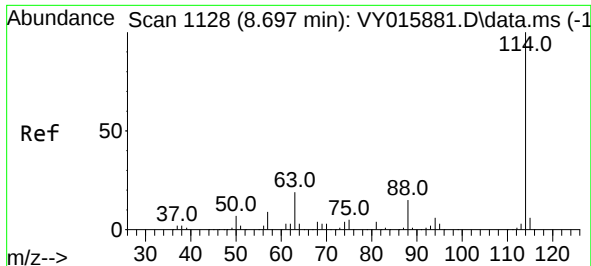
Tgt Ion:168 Resp: 99896
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 60.622 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY015903.D
Acq: 10 Oct 2023 17:39

Tgt Ion: 65 Resp: 54491
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY015903.D

Acq: 10 Oct 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241

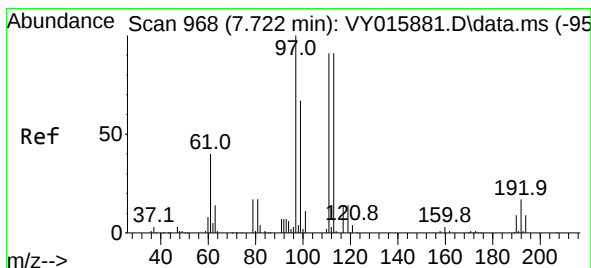
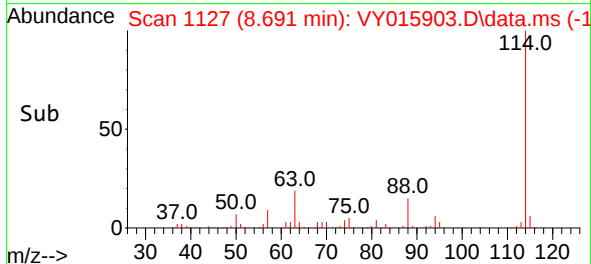
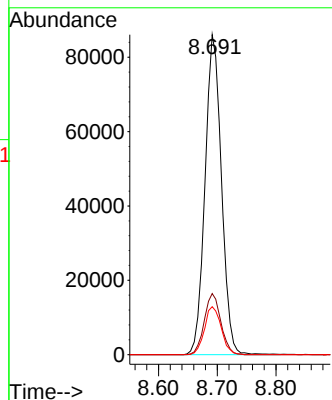
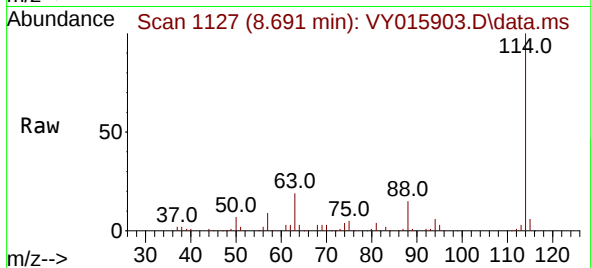
Tgt Ion:114 Resp: 167539

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.760 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY015903.D

Acq: 10 Oct 2023 17:39

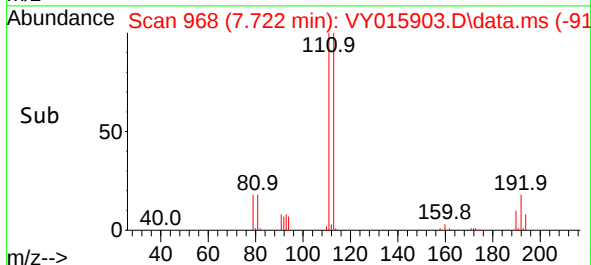
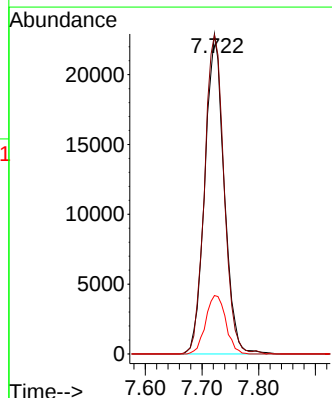
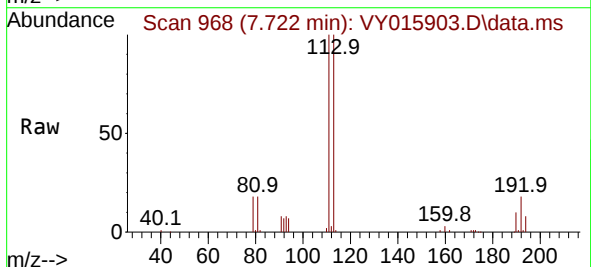
Tgt Ion:113 Resp: 53976

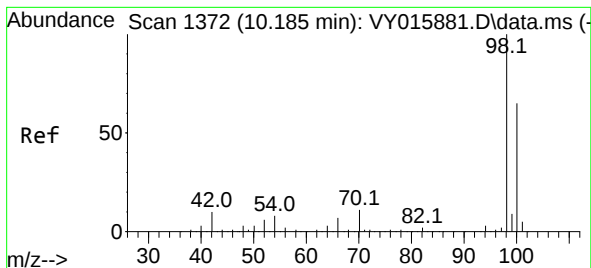
Ion Ratio Lower Upper

113 100

111 100.9 81.3 121.9

192 19.1 16.9 25.3





#50

Toluene-d8

Concen: 63.933 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015903.D

Acq: 10 Oct 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

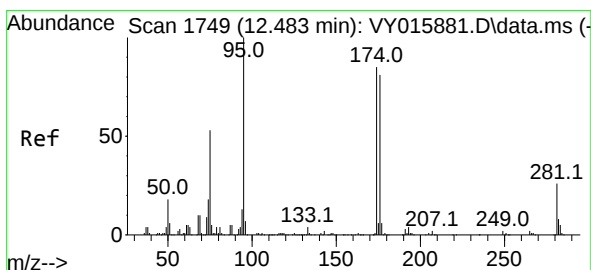
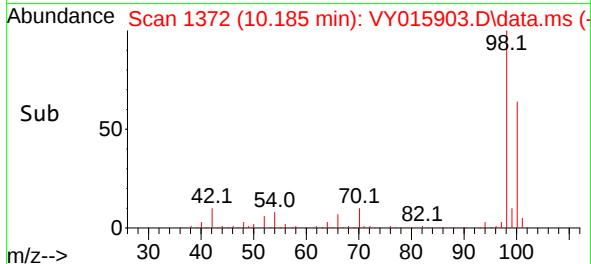
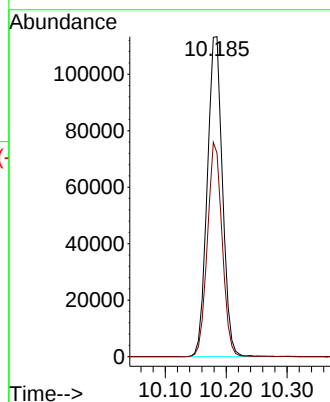
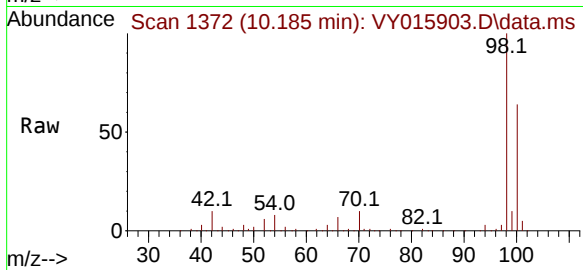
VNJ-241

Tgt Ion: 98 Resp: 196902

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.722 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY015903.D

Acq: 10 Oct 2023 17:39

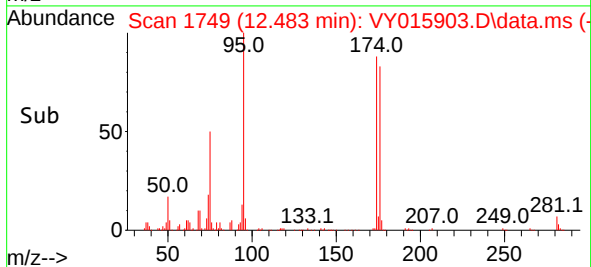
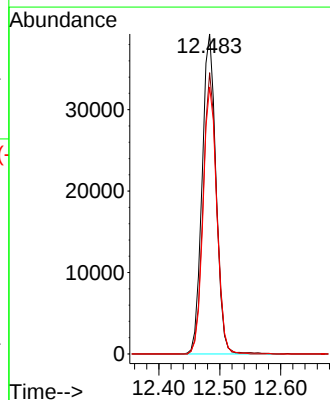
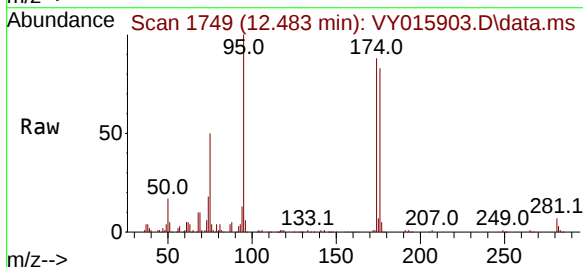
Tgt Ion: 95 Resp: 62199

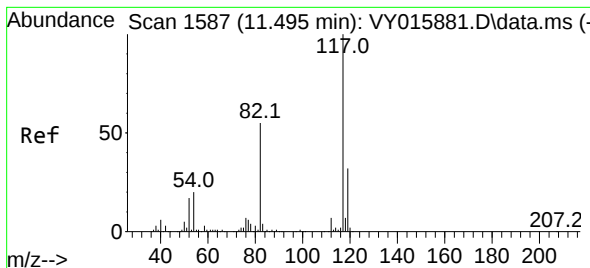
Ion Ratio Lower Upper

95 100

174 86.6 0.0 178.2

176 82.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015903.D

Acq: 10 Oct 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241

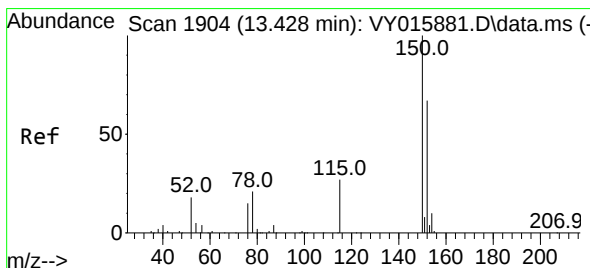
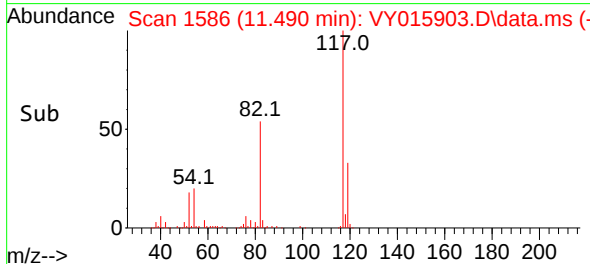
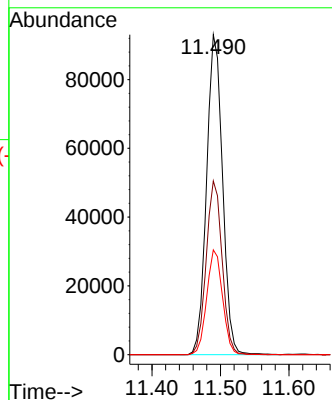
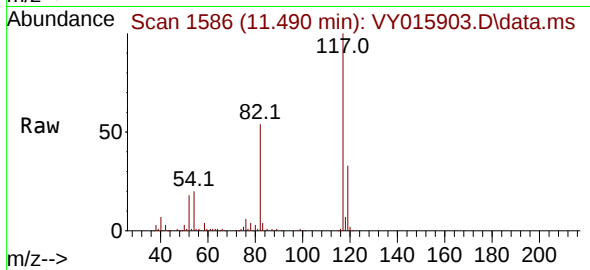
Tgt Ion:117 Resp: 151026

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY015903.D

Acq: 10 Oct 2023 17:39

Tgt Ion:152 Resp: 68803

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 153.7 0.0 348.8

