

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014375.D
 Acq On : 22 Jun 2023 13:42
 Operator : KP/MD
 Sample : VY0622SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0622SBL01

Quant Time: Jun 22 17:18:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	239840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	366175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	341976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	184697	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124335	37.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.460%
35) Dibromofluoromethane	7.728	113	102079	39.309	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.620%
50) Toluene-d8	10.185	98	324673	33.442	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	66.880%
62) 4-Bromofluorobenzene	12.483	95	125125	36.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.560%

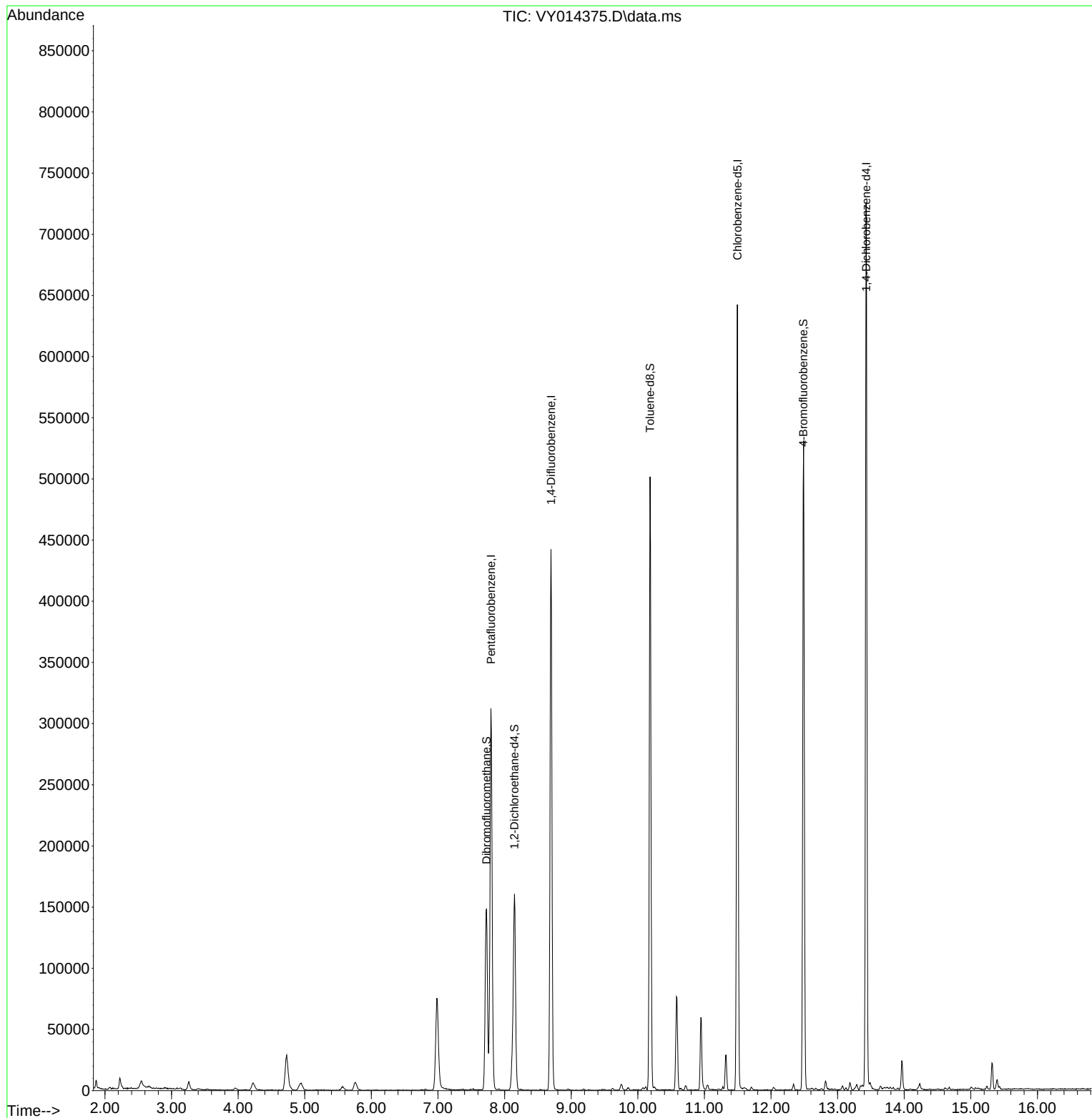
Target Compounds	Qvalue

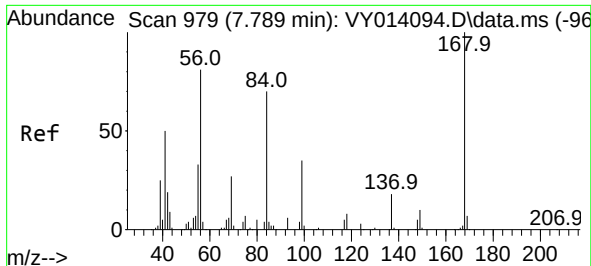
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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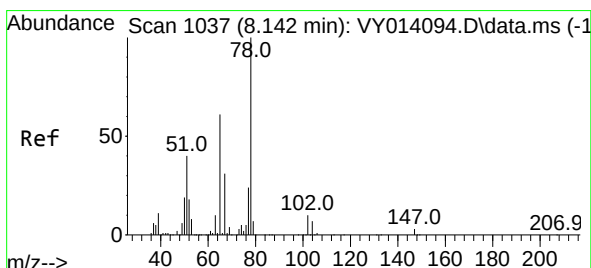
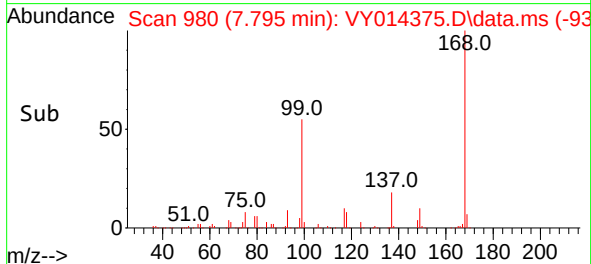
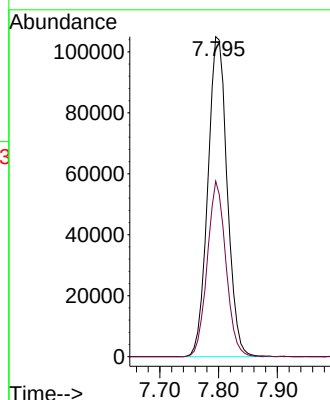
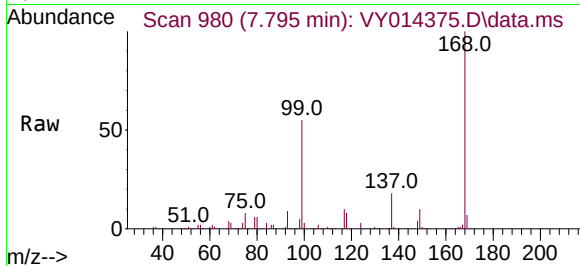




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014375.D
Acq: 22 Jun 2023 13:42

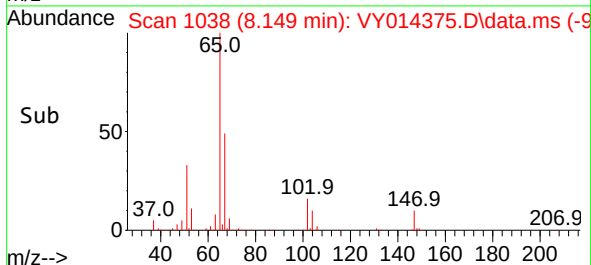
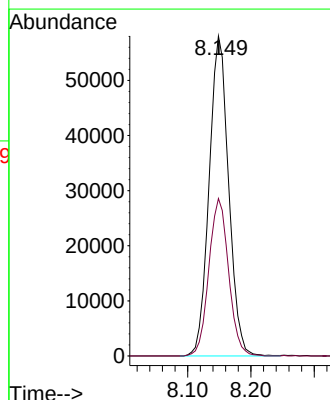
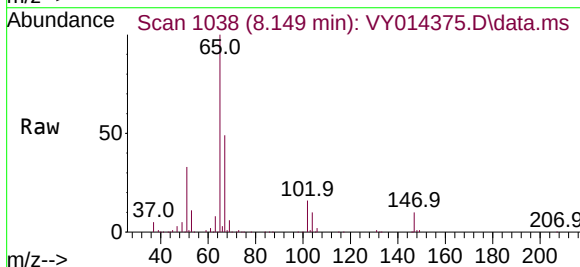
Instrument :
MSVOA_Y
ClientSampleId :
VY0622SBL01

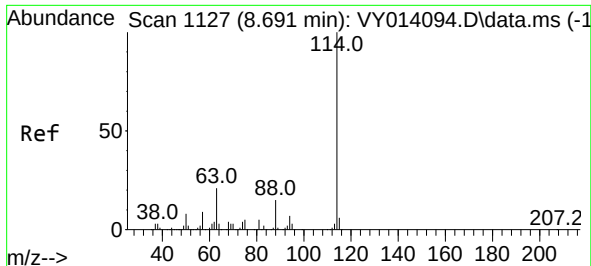
Tgt Ion:168 Resp: 239840
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 37.228 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014375.D
Acq: 22 Jun 2023 13:42

Tgt Ion: 65 Resp: 124335
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014375.D

Acq: 22 Jun 2023 13:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0622SBL01

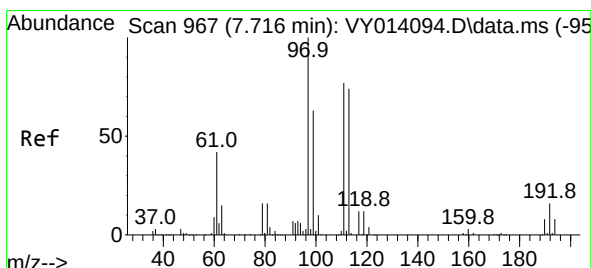
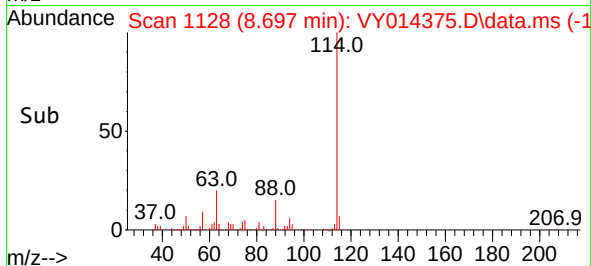
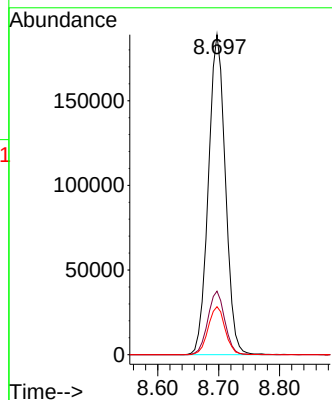
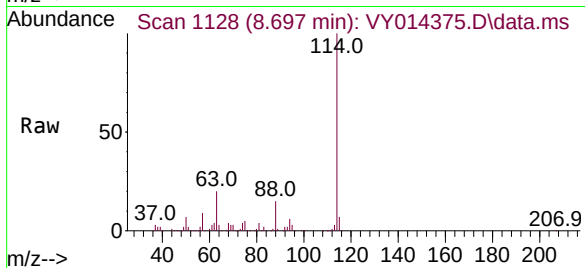
Tgt Ion:114 Resp: 366175

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 39.309 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014375.D

Acq: 22 Jun 2023 13:42

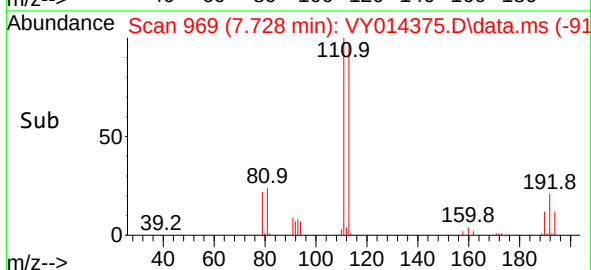
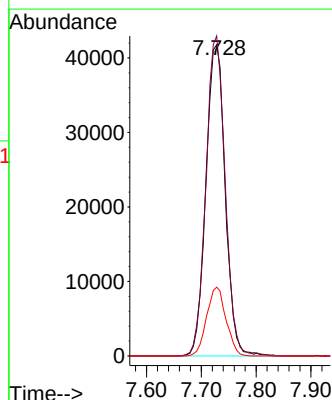
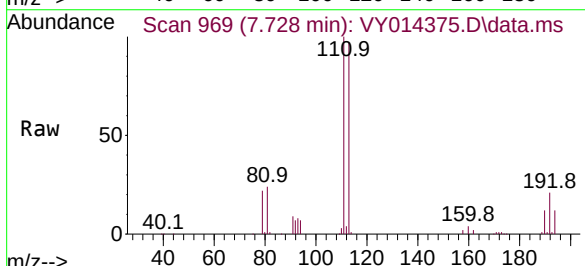
Tgt Ion:113 Resp: 102079

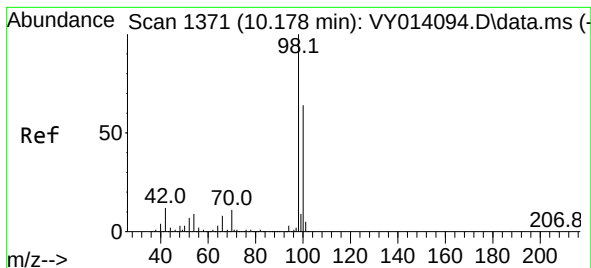
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 22.1 16.9 25.3





#50

Toluene-d8

Concen: 33.442 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014375.D

Acq: 22 Jun 2023 13:42

Instrument :

MSVOA_Y

ClientSampleId :

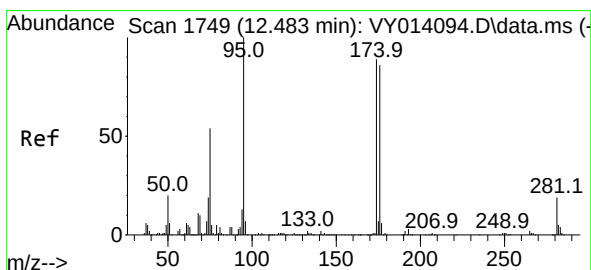
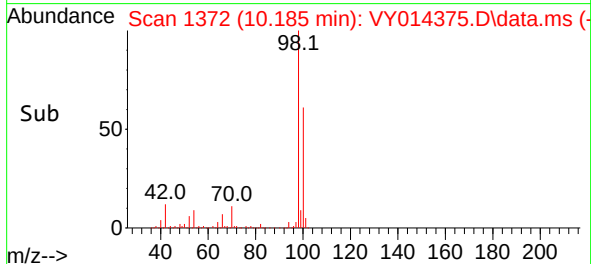
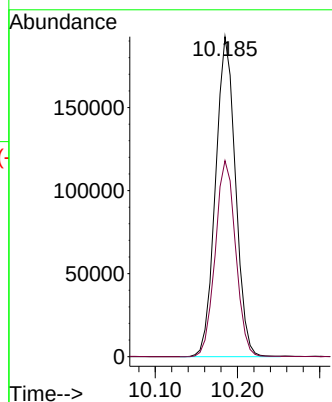
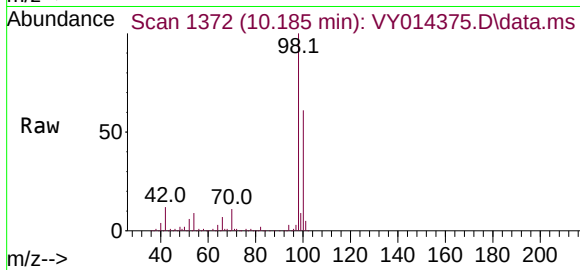
VY0622SBL01

Tgt Ion: 98 Resp: 324673

Ion Ratio Lower Upper

98 100

100 62.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 36.281 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014375.D

Acq: 22 Jun 2023 13:42

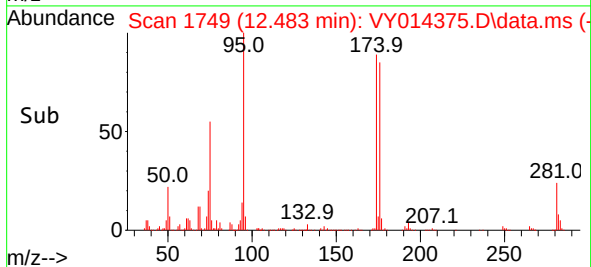
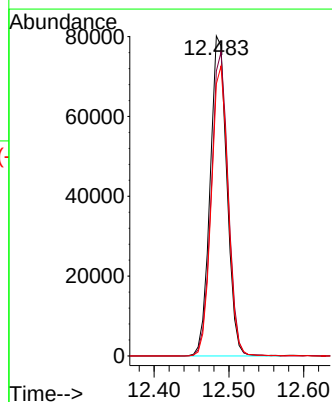
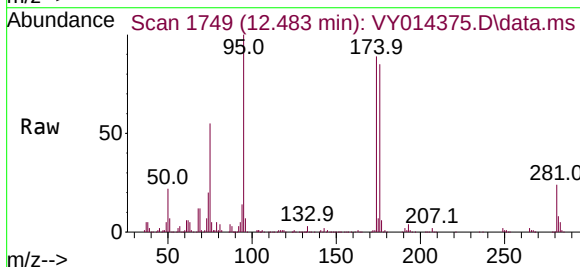
Tgt Ion: 95 Resp: 125125

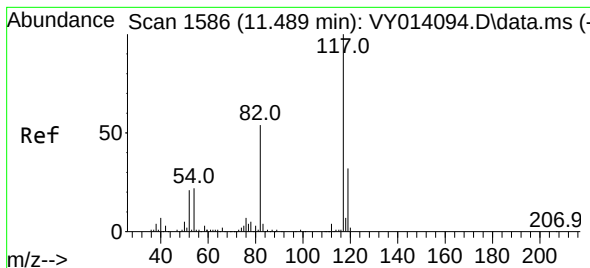
Ion Ratio Lower Upper

95 100

174 95.7 0.0 178.2

176 91.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014375.D

Acq: 22 Jun 2023 13:42

Instrument :

MSVOA_Y

ClientSampleId :

VY0622SBL01

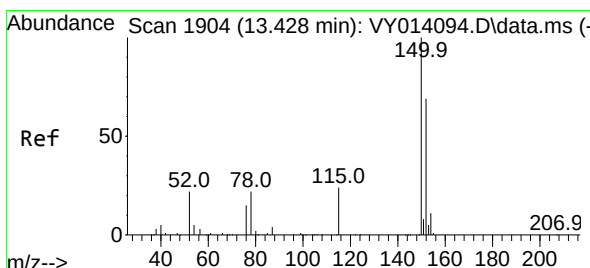
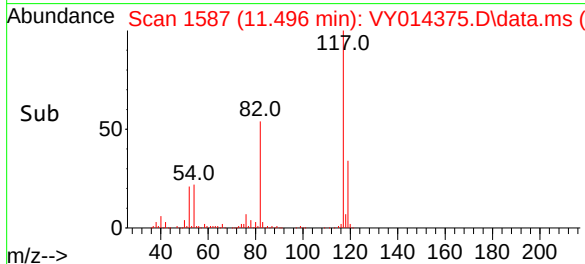
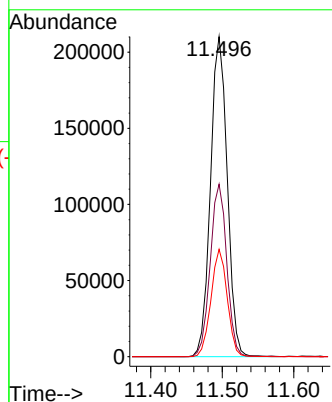
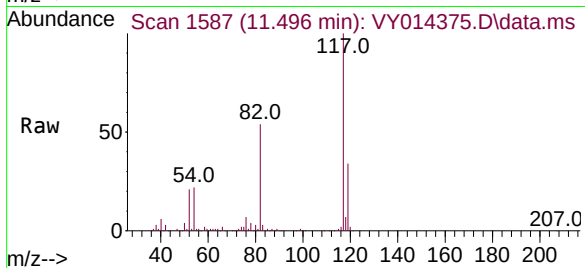
Tgt Ion:117 Resp: 341976

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 33.5 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: VY014375.D

Acq: 22 Jun 2023 13:42

Tgt Ion:152 Resp: 184697

Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 157.6 0.0 348.8

