

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014459.D
 Acq On : 27 Jun 2023 15:35
 Operator : KP/MD
 Sample : 03394-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1651RE

Quant Time: Jun 28 01:57:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	860	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	1578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1324	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	973	91.125	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	182.240%#
35) Dibromofluoromethane	7.716	113	162	16.617	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	33.240%#
50) Toluene-d8	10.185	98	1668	43.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.080%
62) 4-Bromofluorobenzene	12.495	95	280	20.238	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.480%

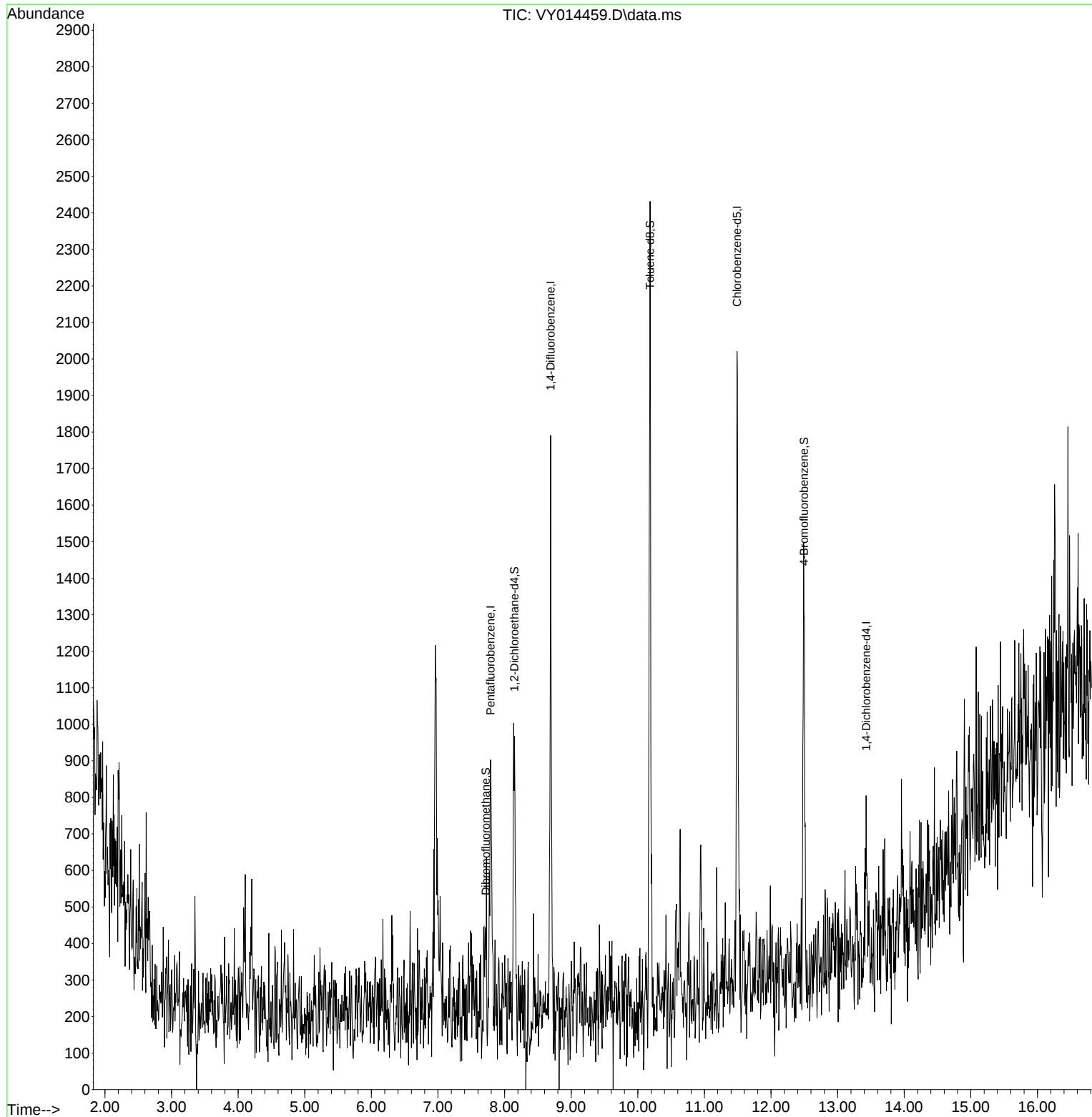
Target Compounds	Qvalue

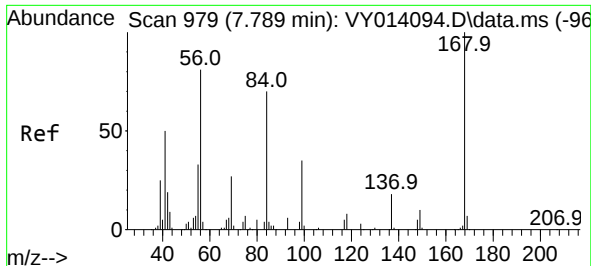
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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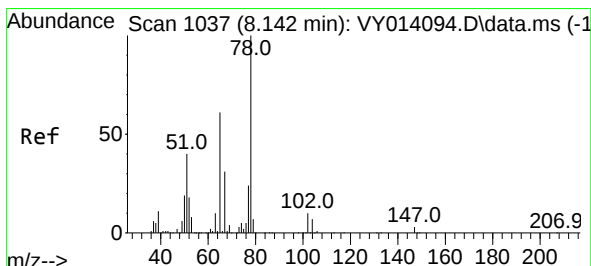
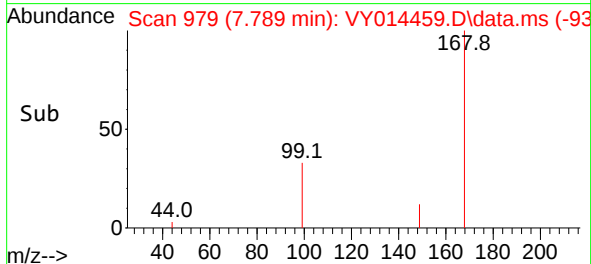
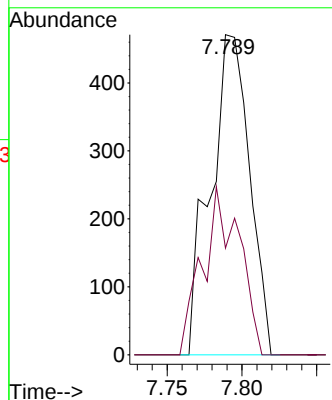
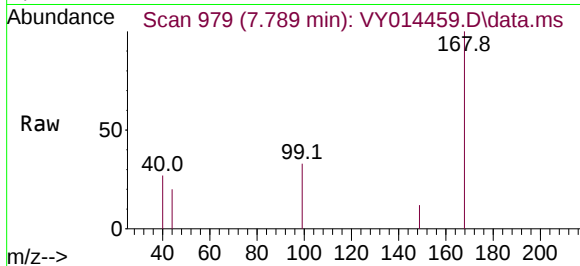




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014459.D
Acq: 27 Jun 2023 15:35

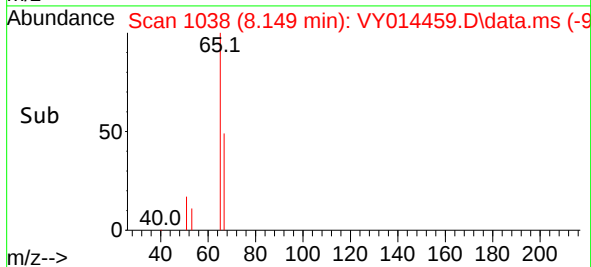
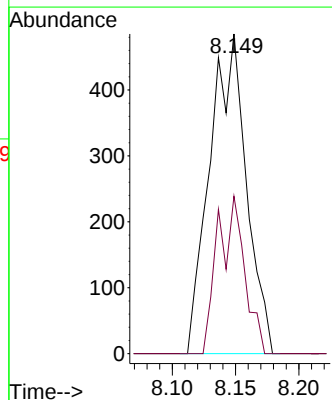
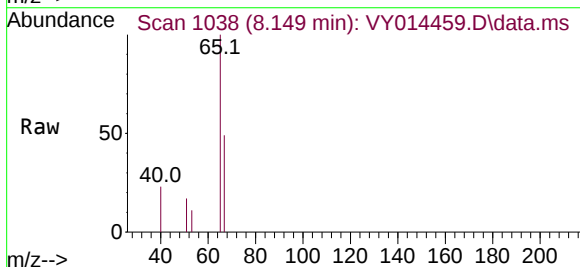
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1651RE

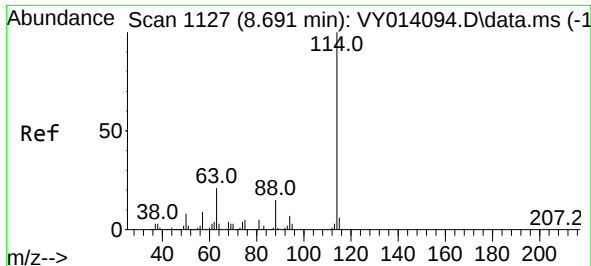
Tgt Ion:168 Resp: 860
Ion Ratio Lower Upper
168 100
99 33.3 43.4 65.0#



#33
1,2-Dichloroethane-d4
Concen: 91.125 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014459.D
Acq: 27 Jun 2023 15:35

Tgt Ion: 65 Resp: 973
Ion Ratio Lower Upper
65 100
67 36.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014459.D

Acq: 27 Jun 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1651RE

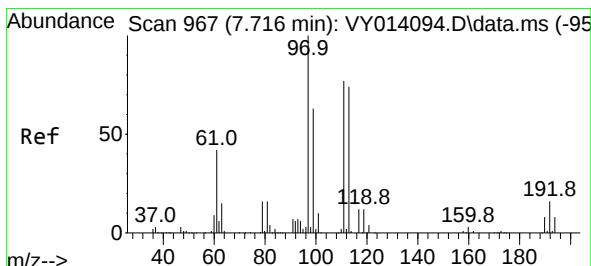
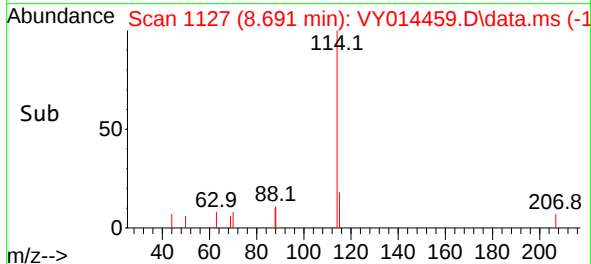
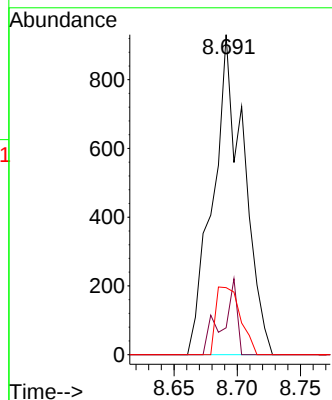
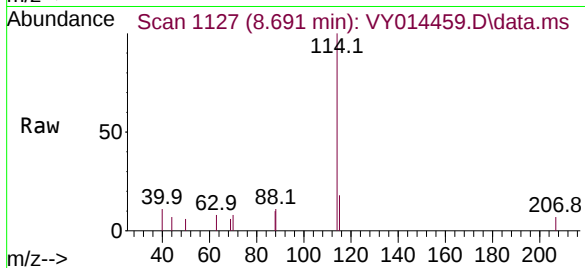
Tgt Ion:114 Resp: 1578

Ion Ratio Lower Upper

114 100

63 8.4 0.0 42.4

88 20.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 16.617 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014459.D

Acq: 27 Jun 2023 15:35

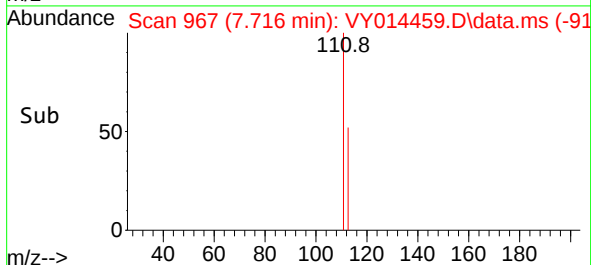
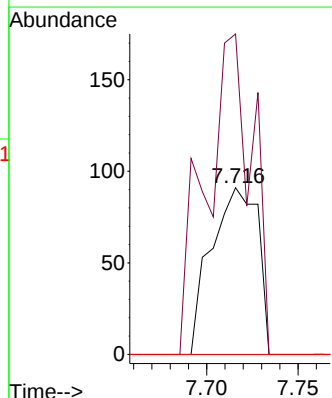
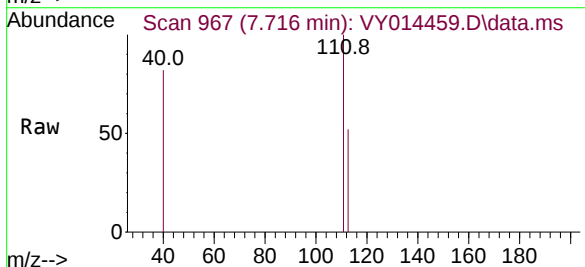
Tgt Ion:113 Resp: 162

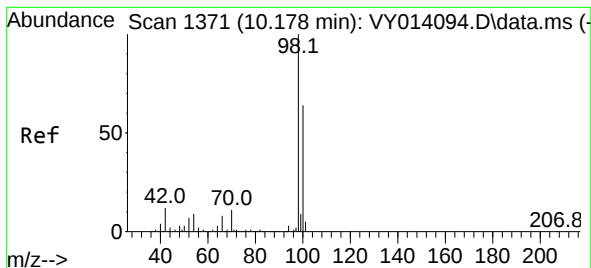
Ion Ratio Lower Upper

113 100

111 189.5 81.3 121.9#

192 0.0 16.9 25.3#





#50

Toluene-d8

Concen: 43.040 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014459.D

Acq: 27 Jun 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

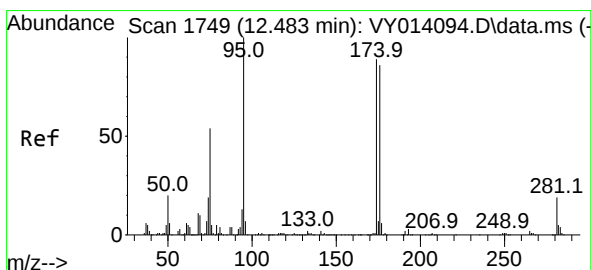
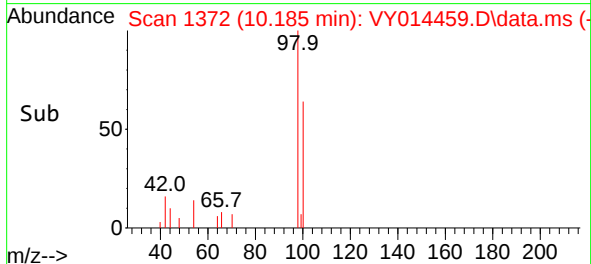
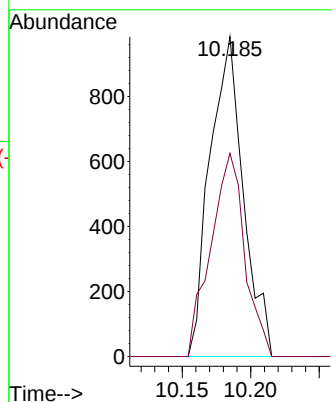
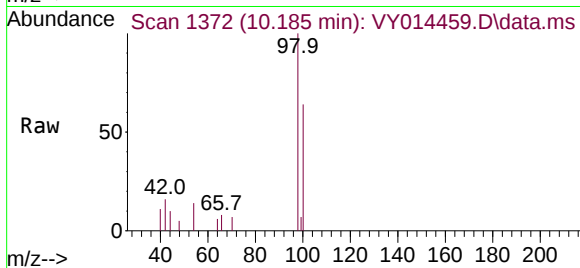
ORA-1651RE

Tgt Ion: 98 Resp: 1668

Ion Ratio Lower Upper

98 100

100 64.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 20.238 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.012 min

Lab File: VY014459.D

Acq: 27 Jun 2023 15:35

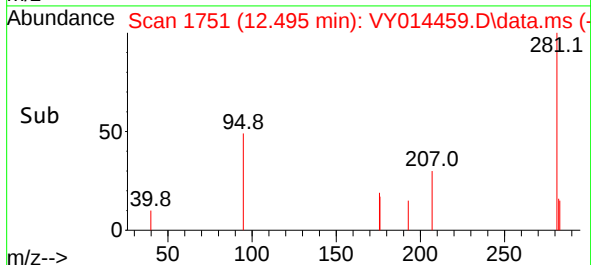
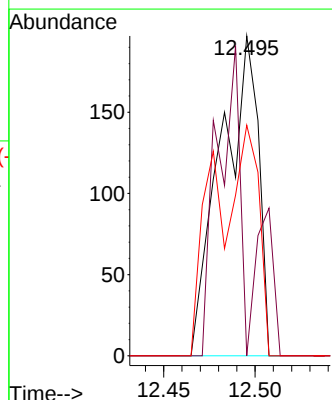
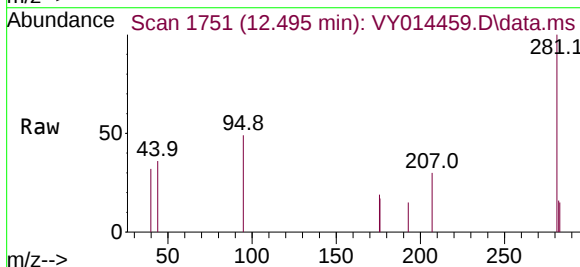
Tgt Ion: 95 Resp: 280

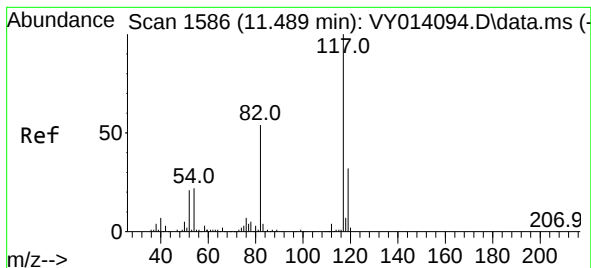
Ion Ratio Lower Upper

95 100

174 79.3 0.0 178.2

176 46.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.001 min

Lab File: VY014459.D

Acq: 27 Jun 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1651RE

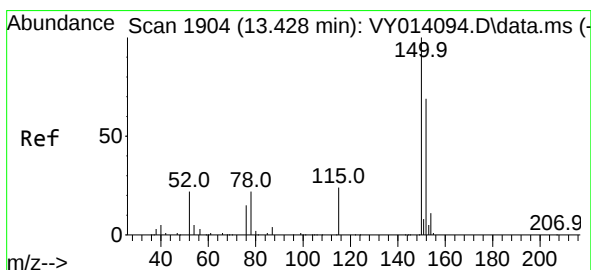
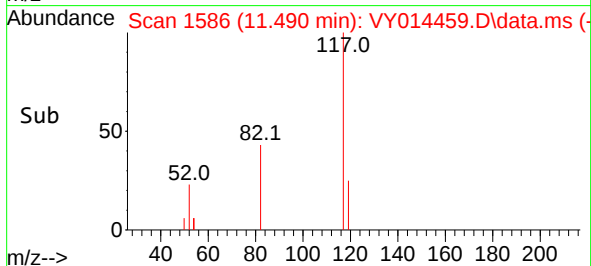
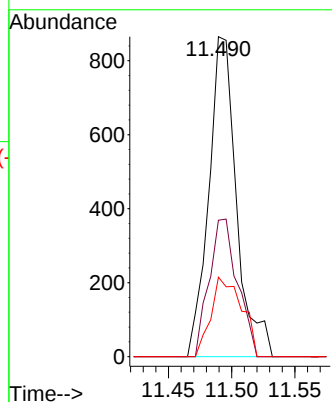
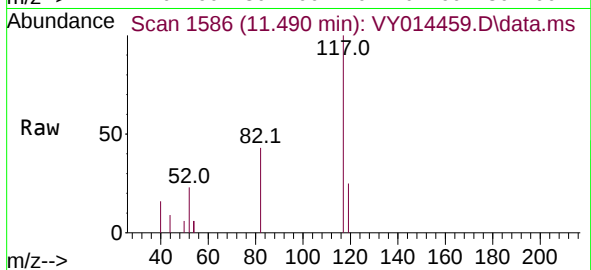
Tgt Ion:117 Resp: 1324

Ion Ratio Lower Upper

117 100

82 42.7 43.4 65.0#

119 24.9 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: VY014459.D

Acq: 27 Jun 2023 15:35

Tgt Ion:152 Resp: 114

Ion Ratio Lower Upper

152 100

115 0.0 28.8 86.5#

150 232.5 0.0 348.8

