

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014392.D
 Acq On : 22 Jun 2023 20:19
 Operator : KP/MD
 Sample : 03369-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1650

Quant Time: Jun 23 05:01:46 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)

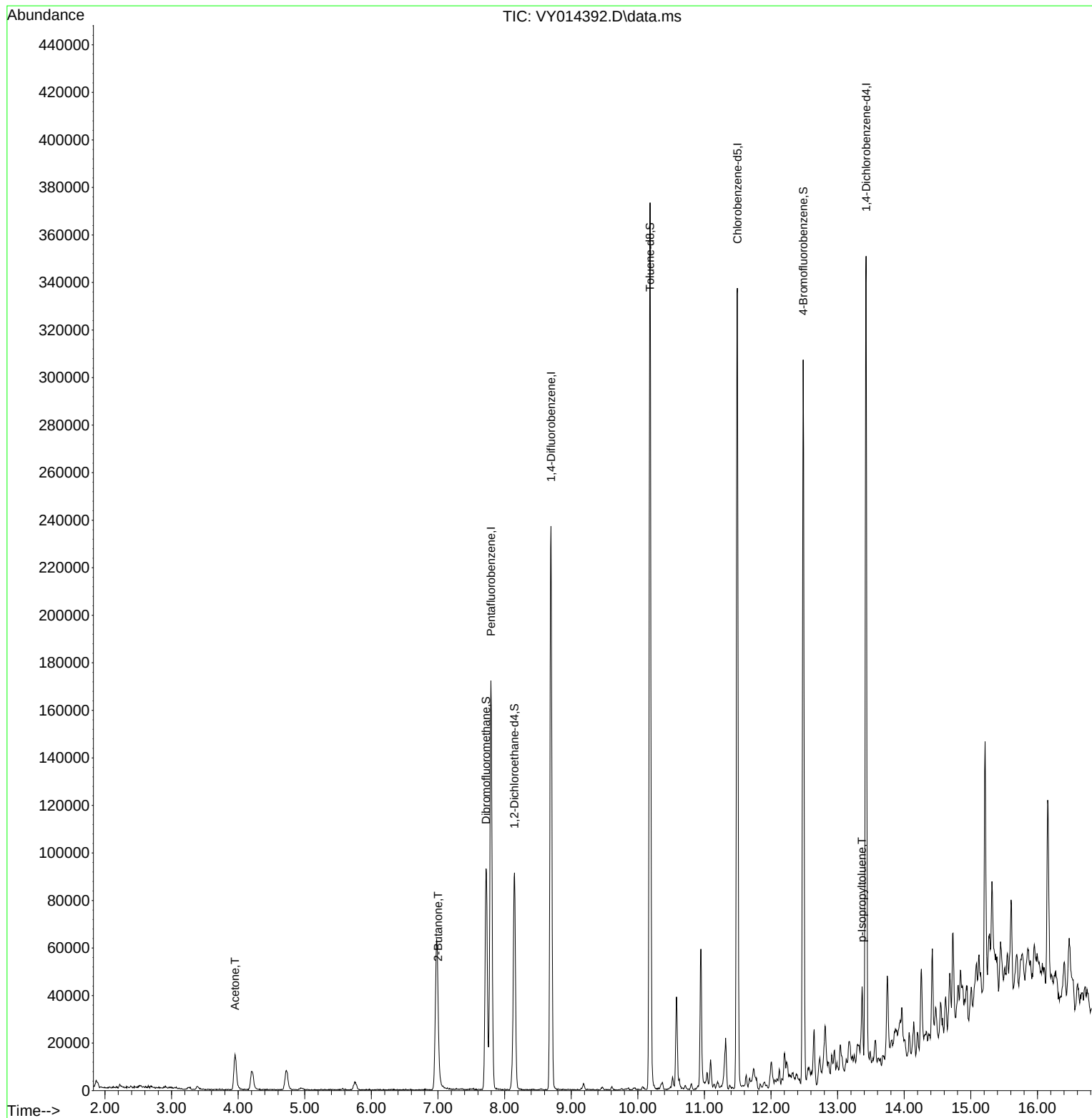
Internal Standards						
1) Pentafluorobenzene	7.795	168	133568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	199498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	188138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76927	41.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.720%
35) Dibromofluoromethane	7.722	113	63735	45.049	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.100%
50) Toluene-d8	10.185	98	240553	45.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.960%
62) 4-Bromofluorobenzene	12.483	95	75046	39.941	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.880%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	25484	45.455	ug/l #	85
25) 2-Butanone	7.003	43	6561	9.507	ug/l #	85
86) p-Isopropyltoluene	13.367	119	15309	2.452	ug/l	93

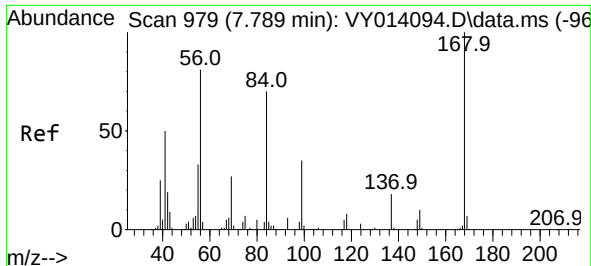
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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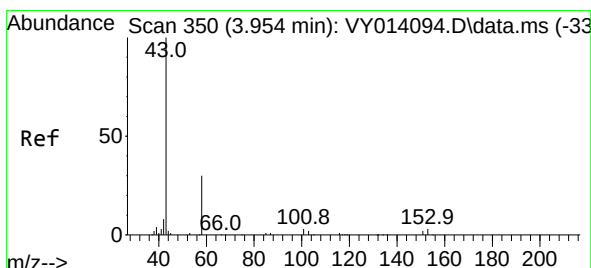
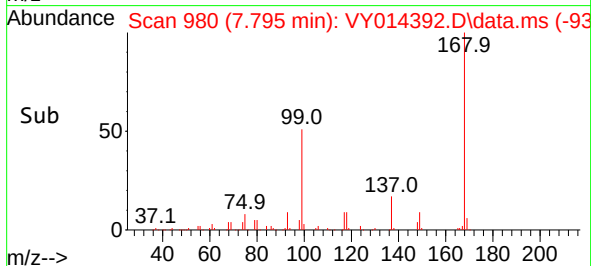
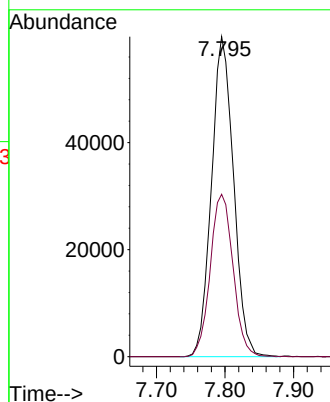
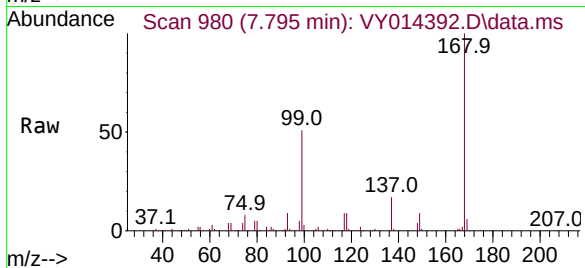




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

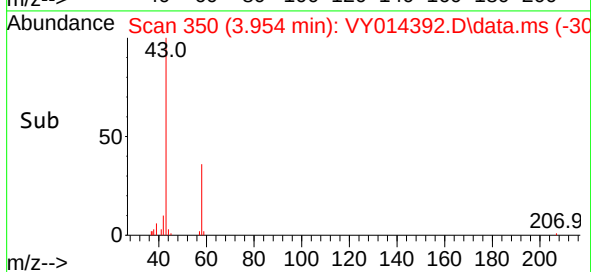
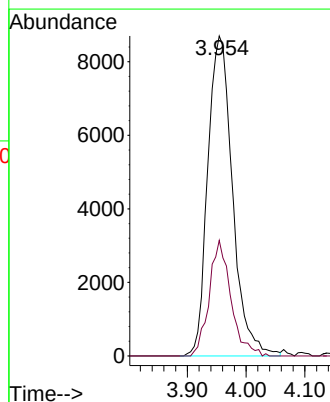
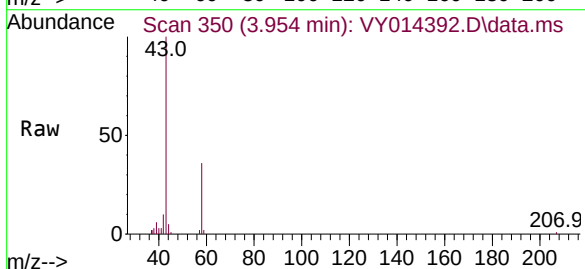
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1650

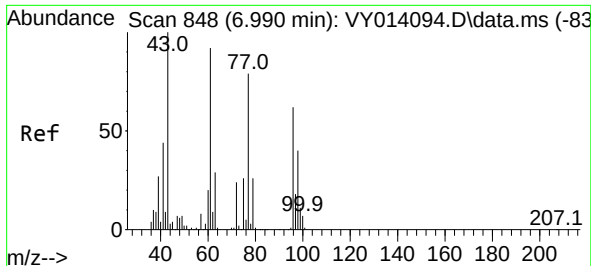
Tgt Ion:168 Resp: 133568
Ion Ratio Lower Upper
168 100
99 50.8 43.4 65.0



#16
Acetone
Concen: 45.455 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 43 Resp: 25484
Ion Ratio Lower Upper
43 100
58 36.1 22.7 34.1#

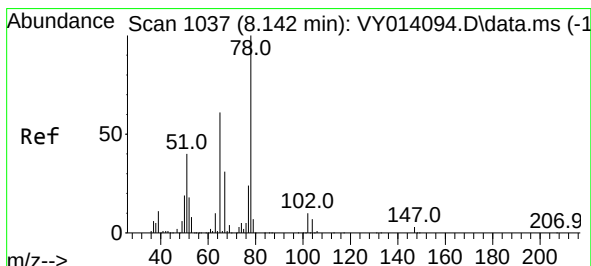
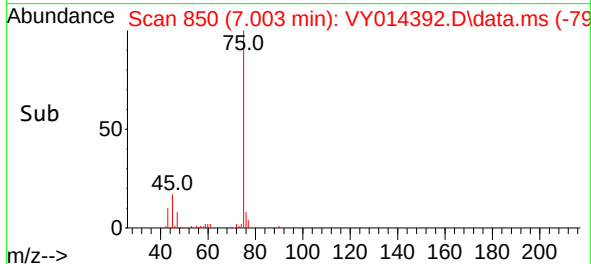
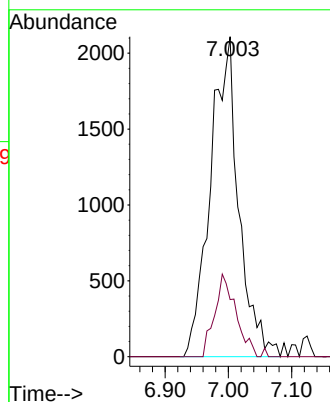
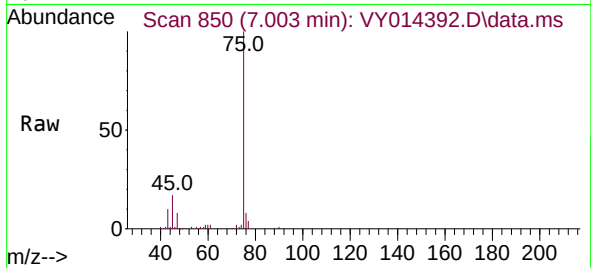




#25
2-Butanone
Concen: 9.507 ug/l
RT: 7.003 min Scan# 81
Delta R.T. 0.013 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

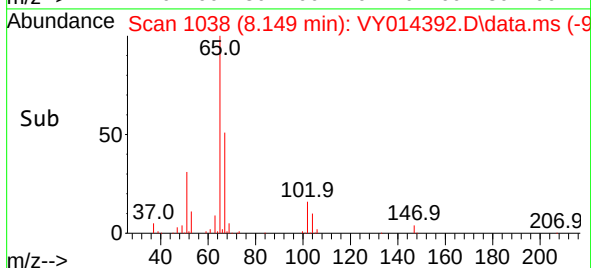
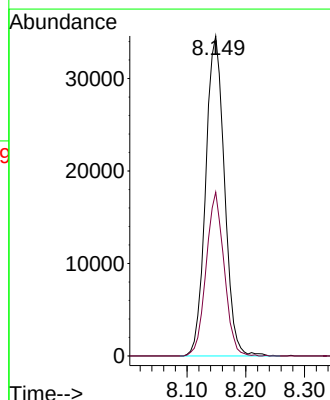
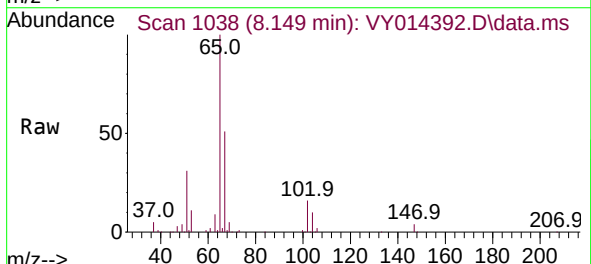
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1650

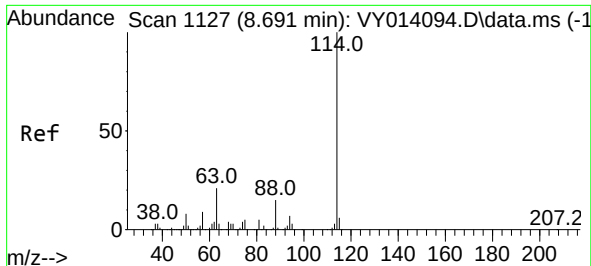
Tgt Ion: 43 Resp: 6561
Ion Ratio Lower Upper
43 100
72 17.9 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 41.360 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014392.D
Acq: 22 Jun 2023 20:19

Tgt Ion: 65 Resp: 76927
Ion Ratio Lower Upper
65 100
67 49.1 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: VY014392.D

Acq: 22 Jun 2023 20:19

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1650

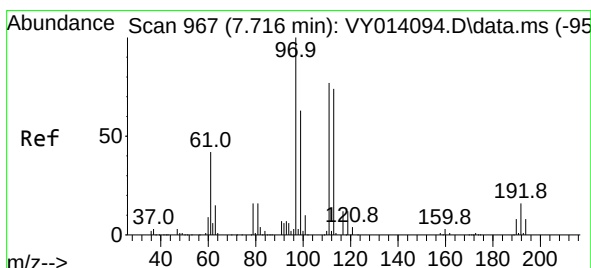
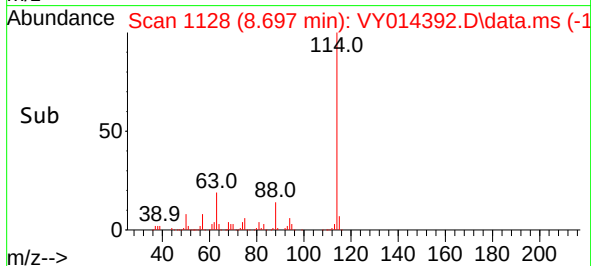
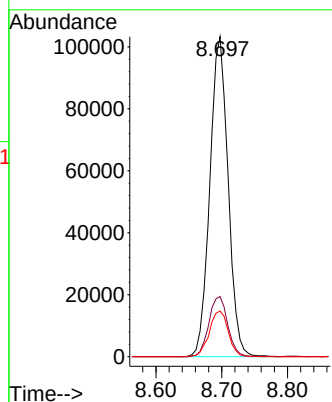
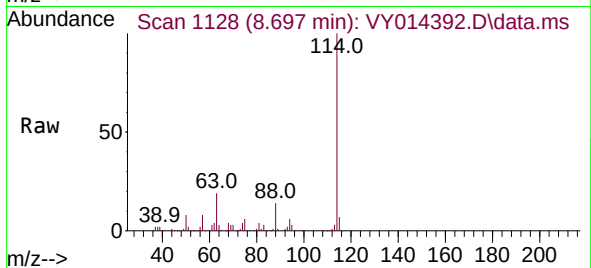
Tgt Ion:114 Resp: 199498

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.049 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014392.D

Acq: 22 Jun 2023 20:19

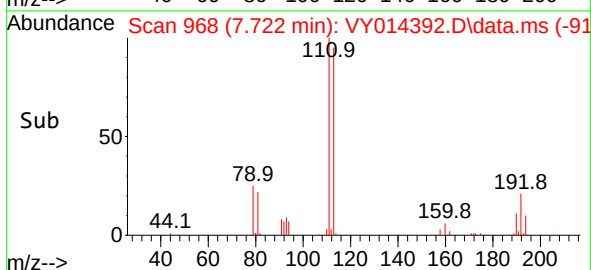
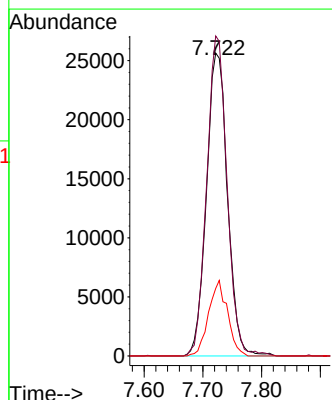
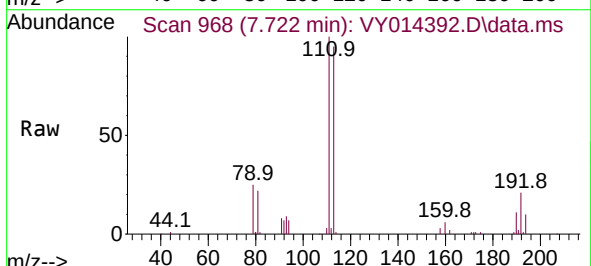
Tgt Ion:113 Resp: 63735

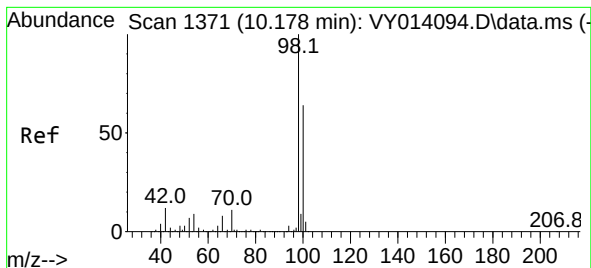
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 22.5 16.9 25.3





#50

Toluene-d8

Concen: 45.479 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014392.D

Acq: 22 Jun 2023 20:19

Instrument :

MSVOA_Y

ClientSampleId :

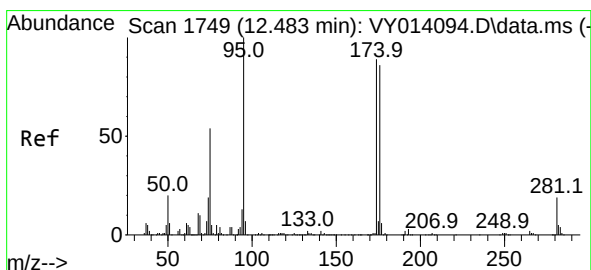
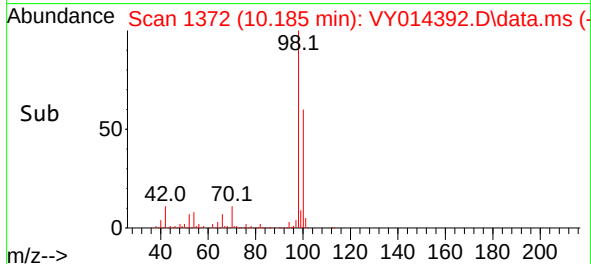
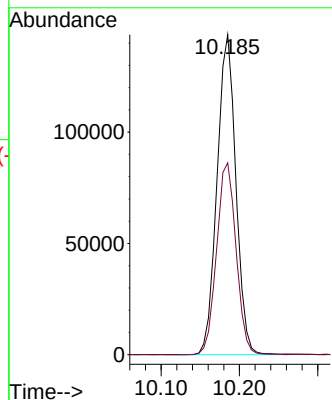
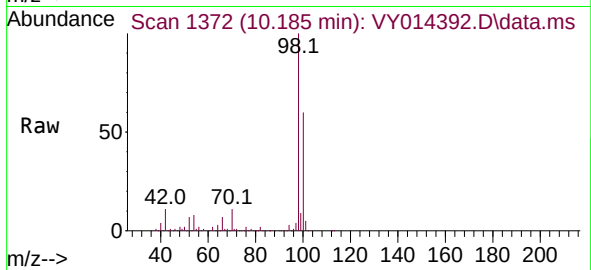
ORA-1650

Tgt Ion: 98 Resp: 240553

Ion Ratio Lower Upper

98 100

100 62.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 39.941 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014392.D

Acq: 22 Jun 2023 20:19

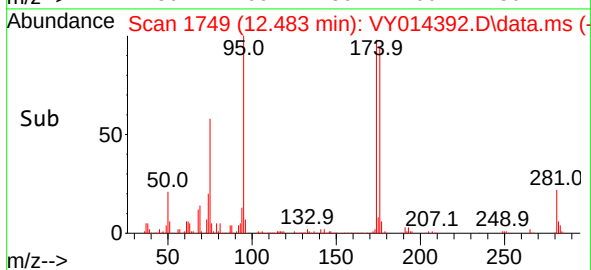
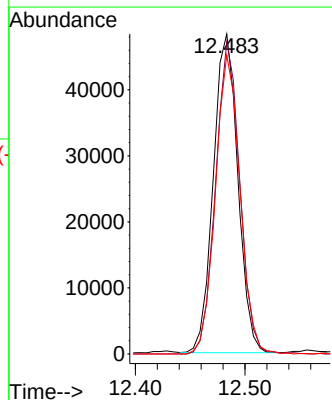
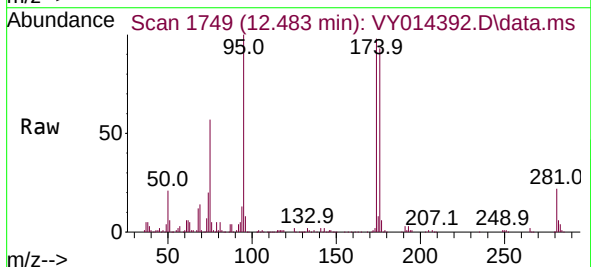
Tgt Ion: 95 Resp: 75046

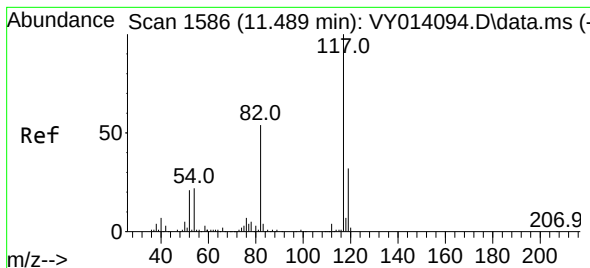
Ion Ratio Lower Upper

95 100

174 96.8 0.0 178.2

176 94.0 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: VY014392.D

Acq: 22 Jun 2023 20:19

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1650

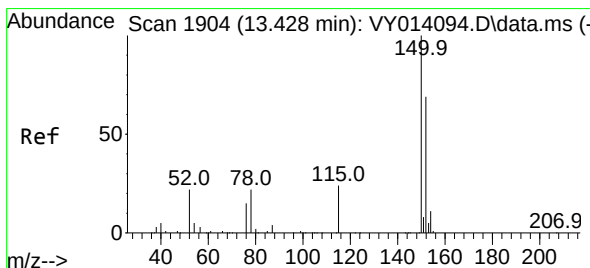
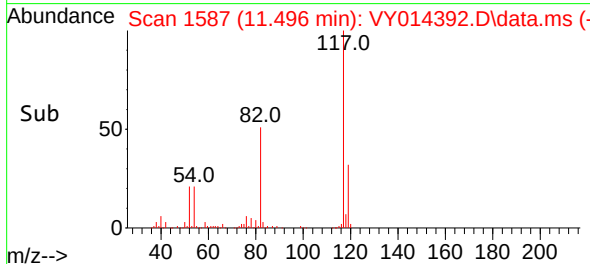
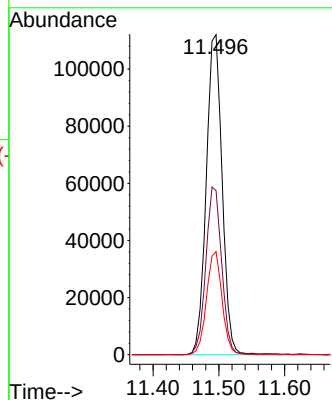
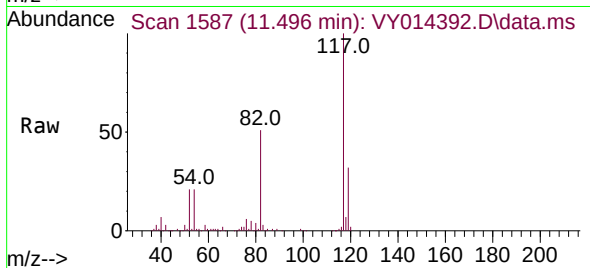
Tgt Ion:117 Resp: 188138

Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.0

119 32.2 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: VY014392.D

Acq: 22 Jun 2023 20:19

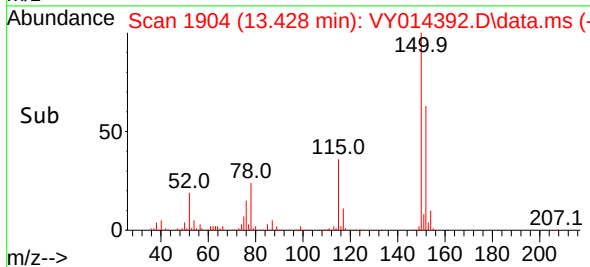
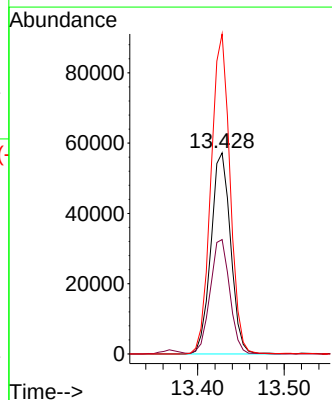
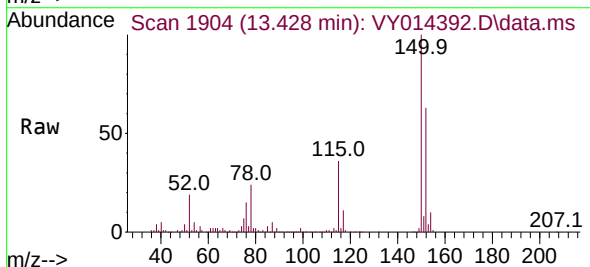
Tgt Ion:152 Resp: 90409

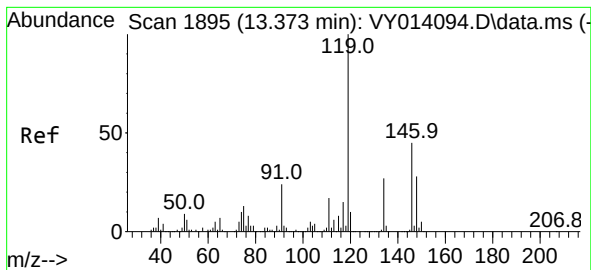
Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 153.6 0.0 348.8





#86
 p-Isopropyltoluene
 Concen: 2.452 ug/l
 RT: 13.367 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY014392.D
 Acq: 22 Jun 2023 20:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1650

Tgt Ion:119 Resp: 15309
 Ion Ratio Lower Upper
 119 100
 134 28.9 13.3 39.8
 91 29.5 12.4 37.4

