

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019607.D
 Acq On : 18 Sep 2024 15:44
 Operator : SY/MD
 Sample : P4098-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-091724

Quant Time: Sep 19 01:26:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

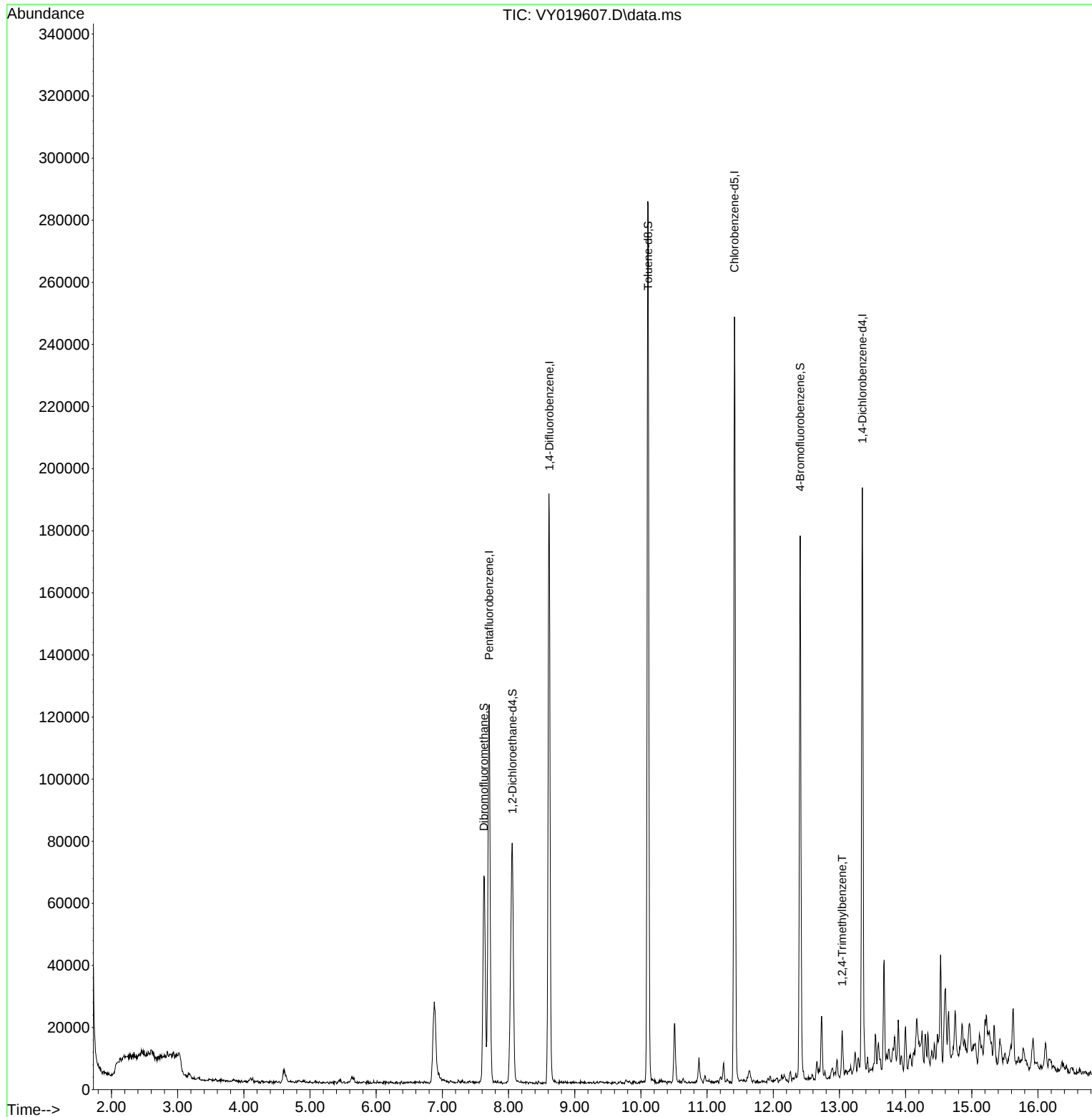
Internal Standards						
1) Pentafluorobenzene	7.707	168	89554	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	159941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	129434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	43701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	48202	58.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.260%	
35) Dibromofluoromethane	7.628	113	49099	54.143	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.280%	
50) Toluene-d8	10.109	98	187670	55.951	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.900%	
62) 4-Bromofluorobenzene	12.408	95	53451	41.444	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 82.880%	
Target Compounds						
84) 1,2,4-Trimethylbenzene	13.042	105	7782	3.050	ug/l	Qvalue 92

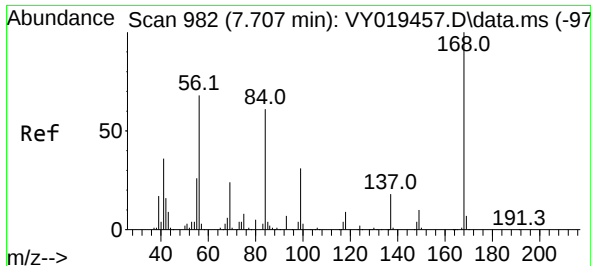
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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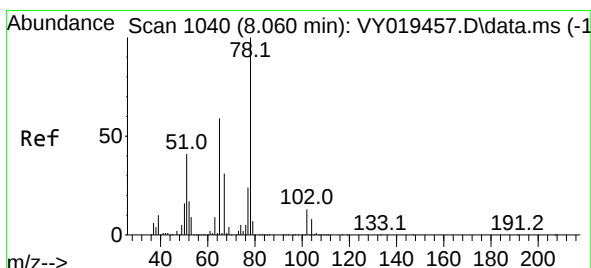
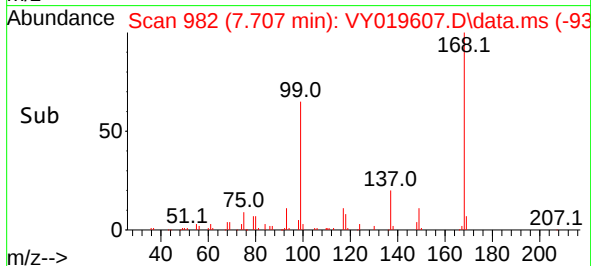
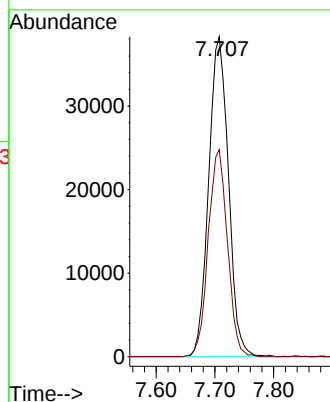
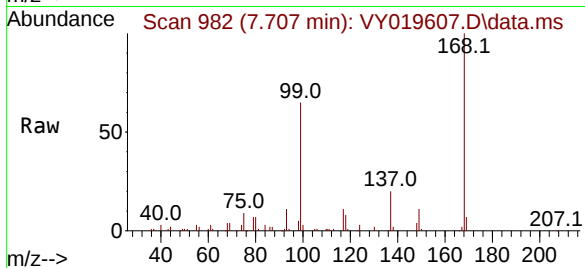




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

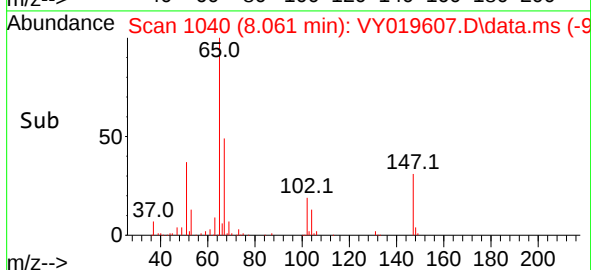
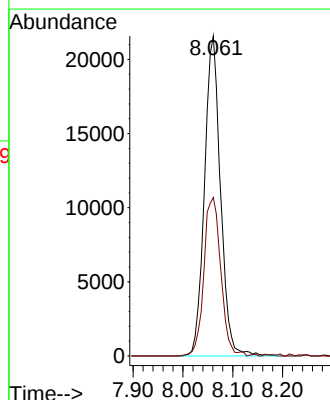
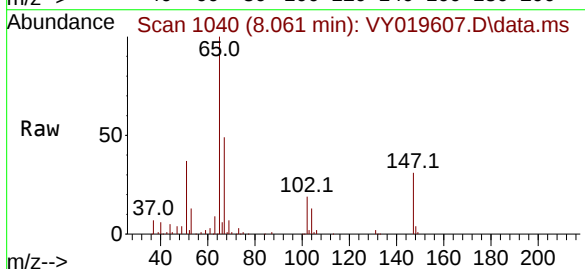
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-091724

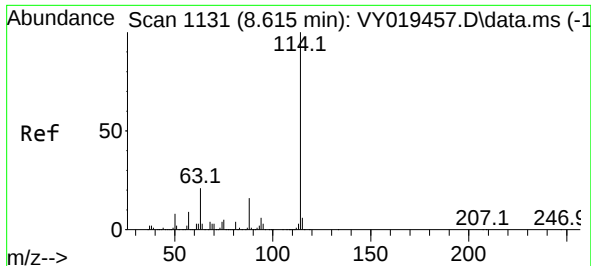
Tgt Ion:168 Resp: 89554
Ion Ratio Lower Upper
168 100
99 64.7 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 58.127 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

Tgt Ion: 65 Resp: 48202
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019607.D

Acq: 18 Sep 2024 15:44

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-091724

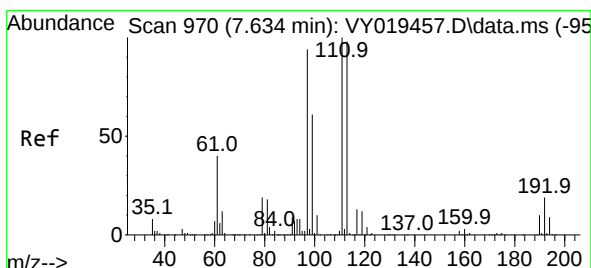
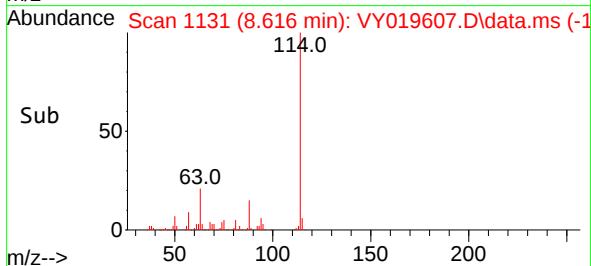
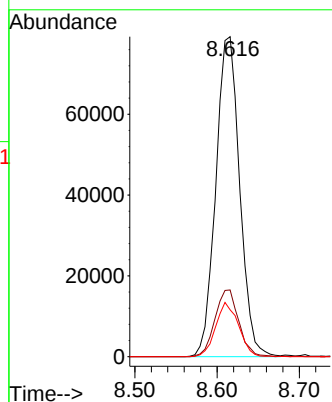
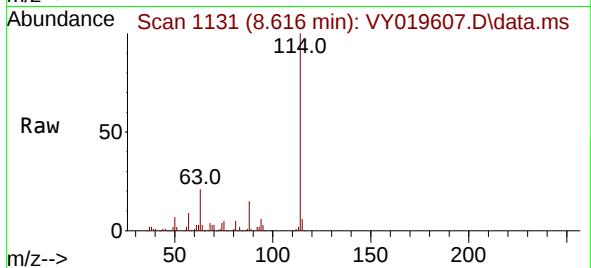
Tgt Ion:114 Resp: 159941

Ion Ratio Lower Upper

114 100

63 20.9 0.0 35.0

88 14.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.143 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019607.D

Acq: 18 Sep 2024 15:44

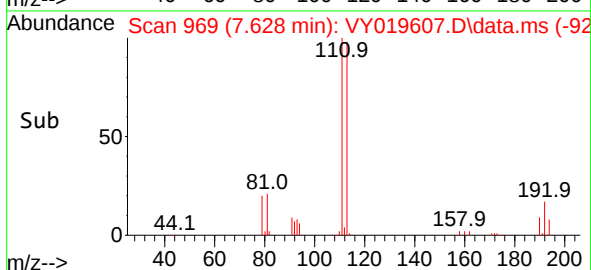
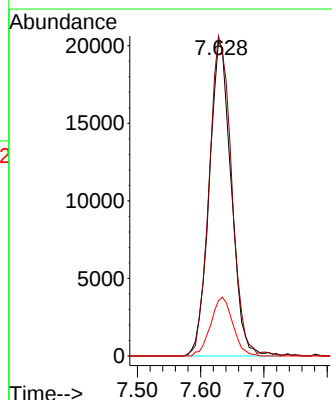
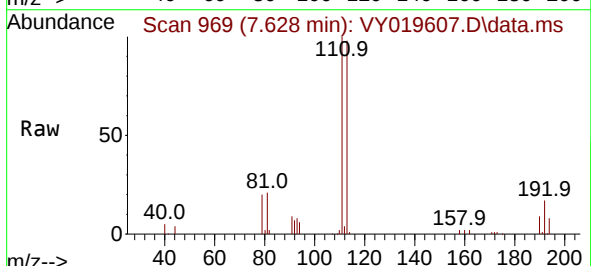
Tgt Ion:113 Resp: 49099

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

192 18.7 15.9 23.9

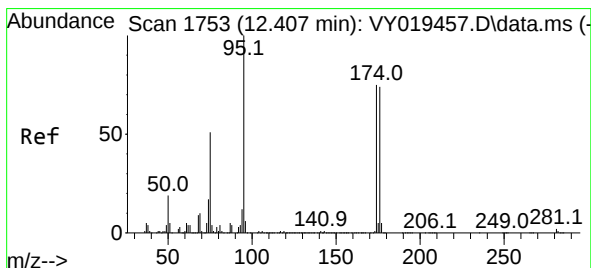
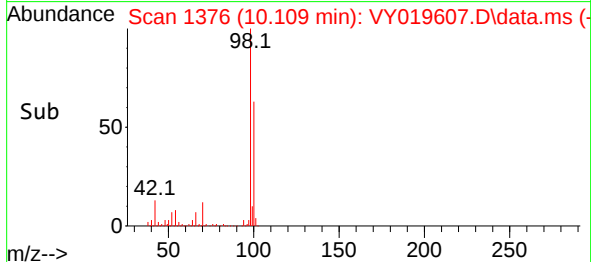
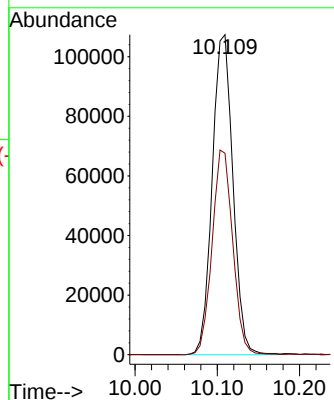
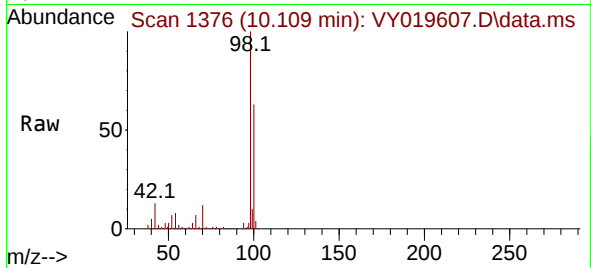




#50
Toluene-d8
Concen: 55.951 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

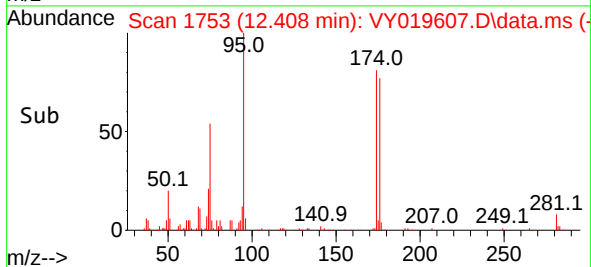
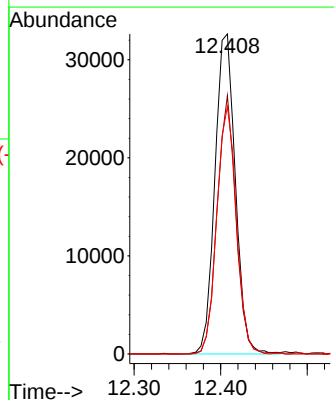
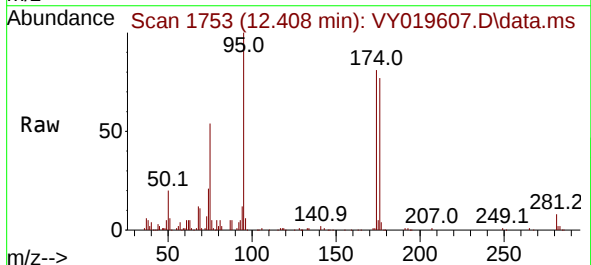
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-091724

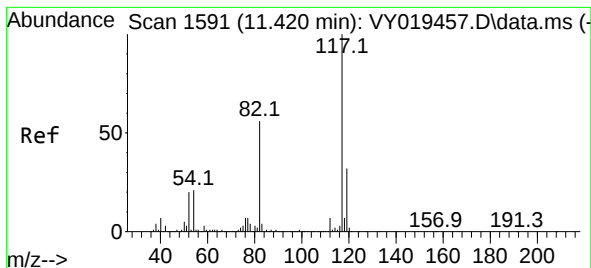
Tgt Ion: 98 Resp: 187670
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 41.444 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019607.D
Acq: 18 Sep 2024 15:44

Tgt Ion: 95 Resp: 53451
Ion Ratio Lower Upper
95 100
174 74.1 0.0 175.6
176 74.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019607.D

Acq: 18 Sep 2024 15:44

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-091724

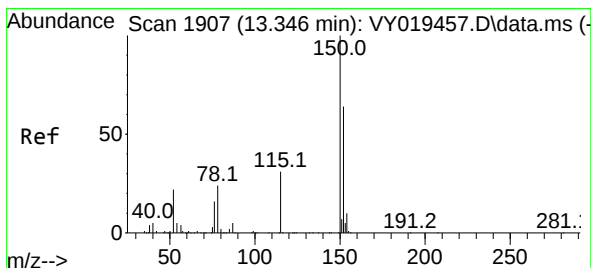
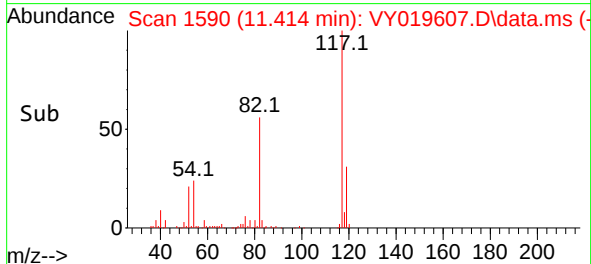
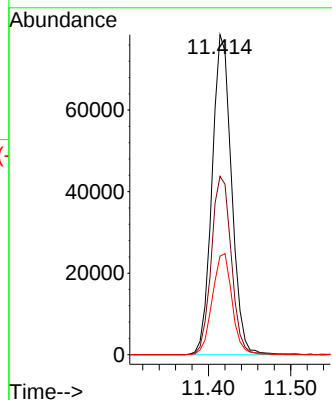
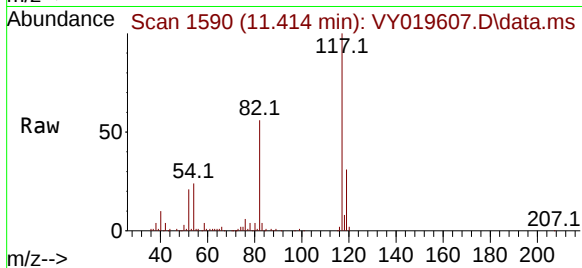
Tgt Ion:117 Resp: 129434

Ion Ratio Lower Upper

117 100

82 55.8 42.4 63.6

119 30.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019607.D

Acq: 18 Sep 2024 15:44

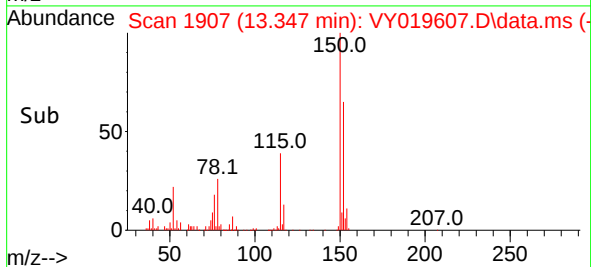
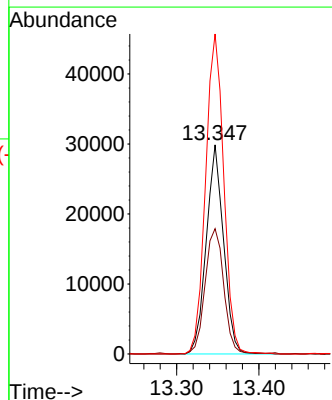
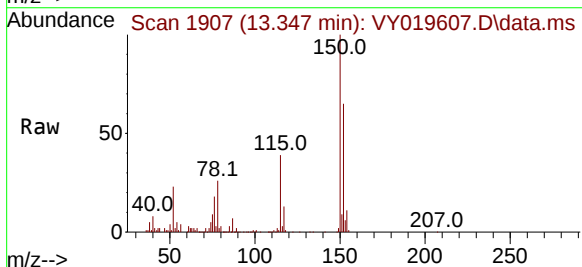
Tgt Ion:152 Resp: 43701

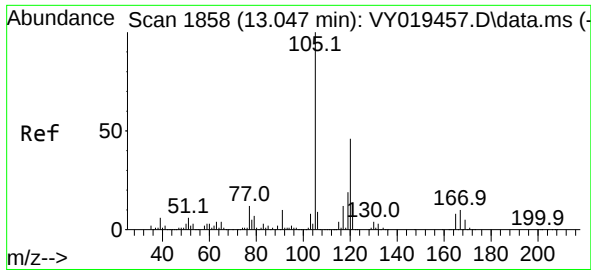
Ion Ratio Lower Upper

152 100

115 64.7 28.2 84.7

150 160.5 0.0 345.6





#84

1,2,4-Trimethylbenzene

Concen: 3.050 ug/l

RT: 13.042 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019607.D

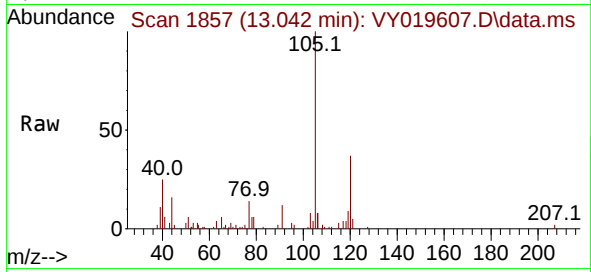
Acq: 18 Sep 2024 15:44

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-091724



Tgt Ion:105 Resp: 7782

Ion Ratio Lower Upper

105 100

120 41.1 23.2 69.6

