

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013023\
 Data File : VY012399.D
 Acq On : 30 Jan 2023 15:48
 Operator : KP/MD
 Sample : 01358-07
 Misc : 6.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-2-012723

Quant Time: Jan 31 01:48:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

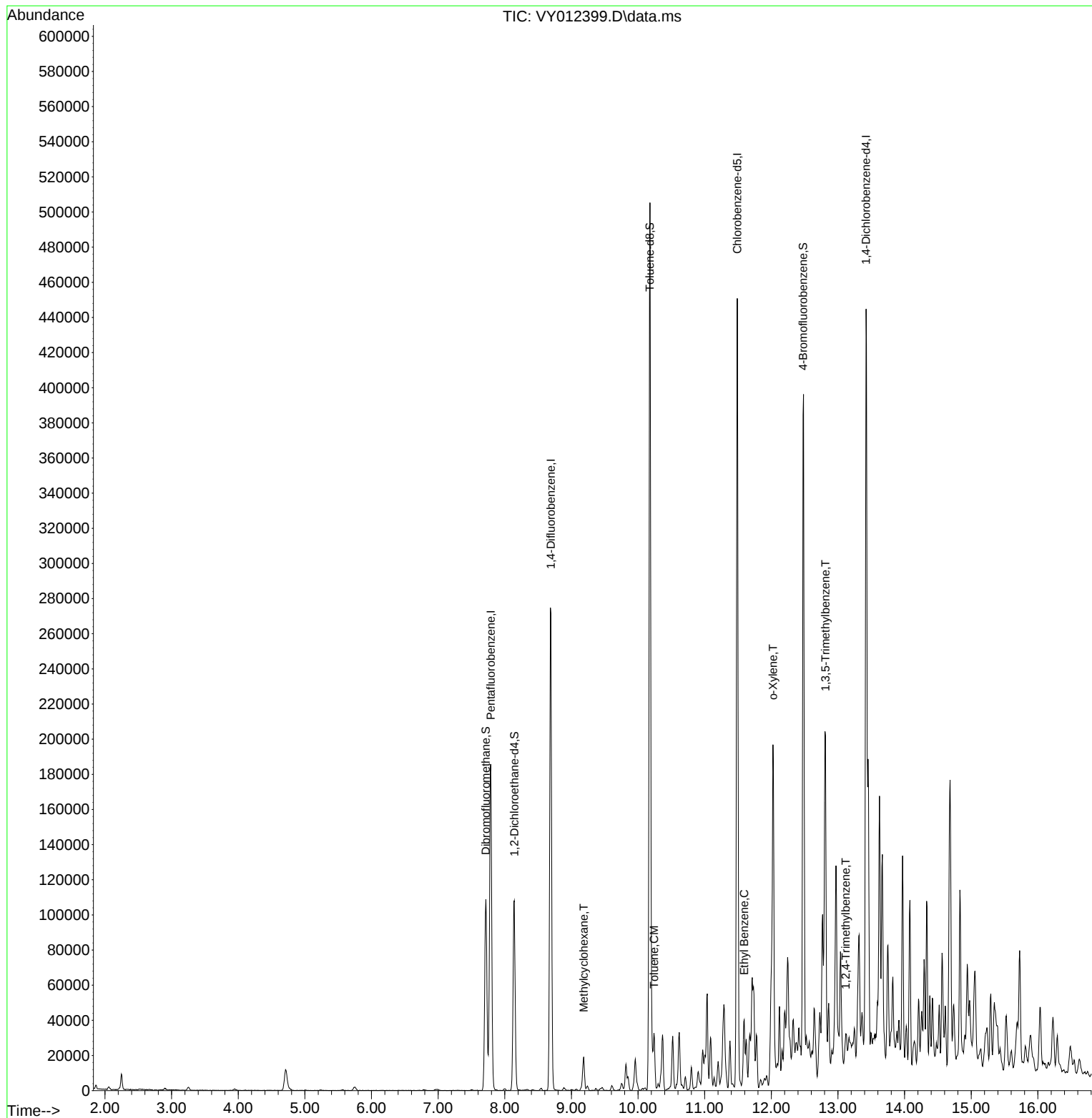
Internal Standards						
1) Pentafluorobenzene	7.789	168	145906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	248265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	113102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92411	78.665	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 157.340%	
35) Dibromofluoromethane	7.716	113	73192	55.971	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.940%	
50) Toluene-d8	10.179	98	303581	68.615	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 137.240%	
62) 4-Bromofluorobenzene	12.477	95	105967	57.483	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.960%	
Target Compounds						
						Qvalue
39) Methylcyclohexane	9.185	83	7593	2.796	ug/l	# 91
52) Toluene	10.240	92	12795	2.996	ug/l	98
67) Ethyl Benzene	11.593	91	24106	2.655	ug/l	97
69) o-Xylene	12.026	106	45354	13.229	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	54671	7.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	8306	1.188	ug/l	99

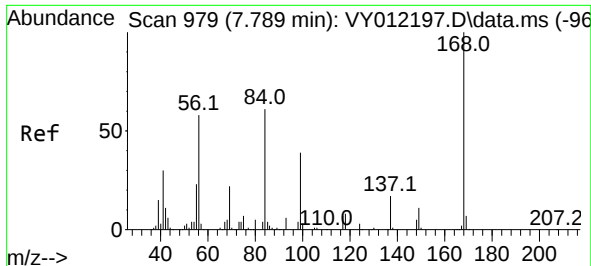
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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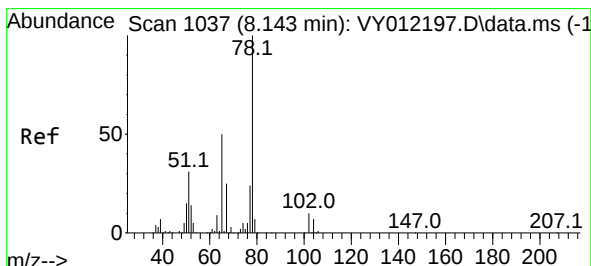
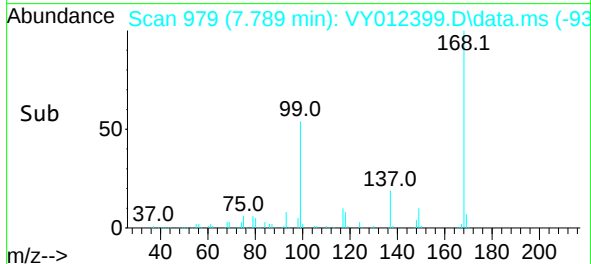
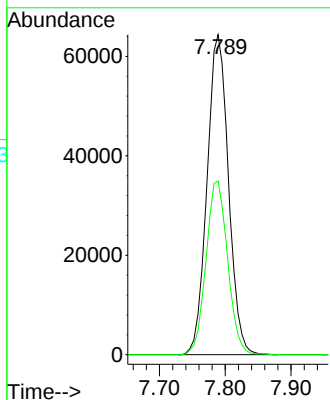
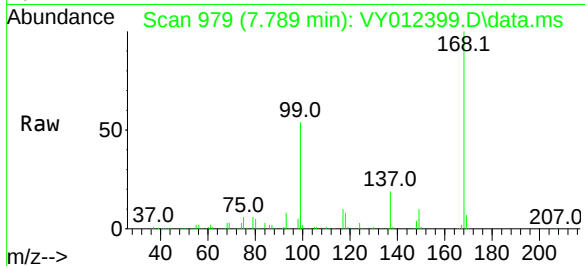




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

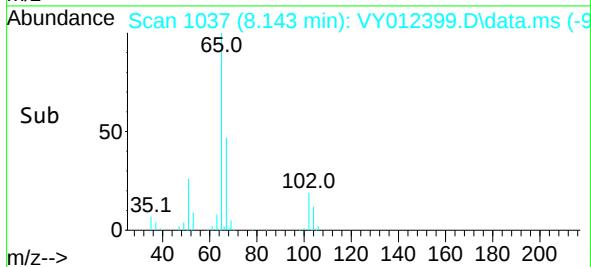
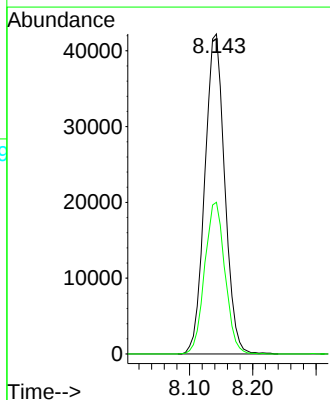
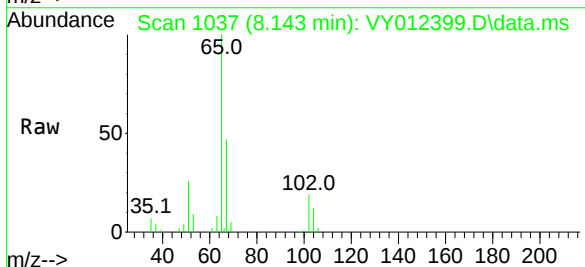
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

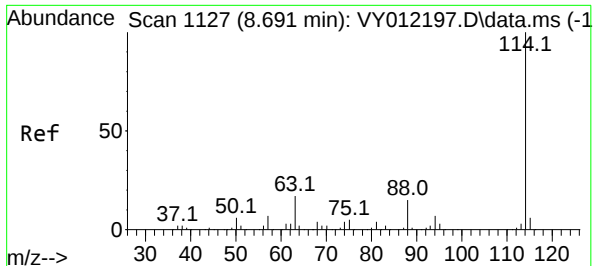
Tgt Ion:168 Resp: 145906
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 78.665 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 65 Resp: 92411
Ion Ratio Lower Upper
65 100
67 48.4 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012399.D

Acq: 30 Jan 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

JC-2-012723

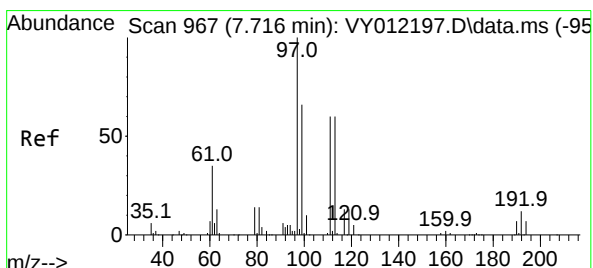
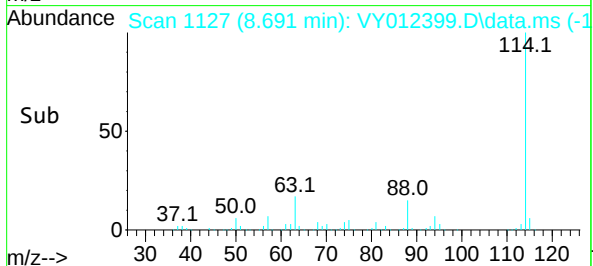
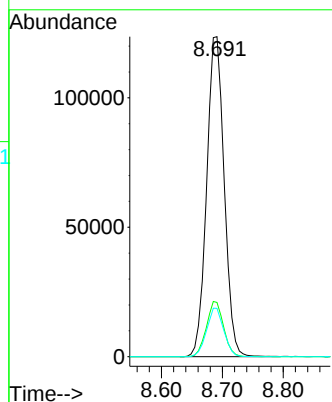
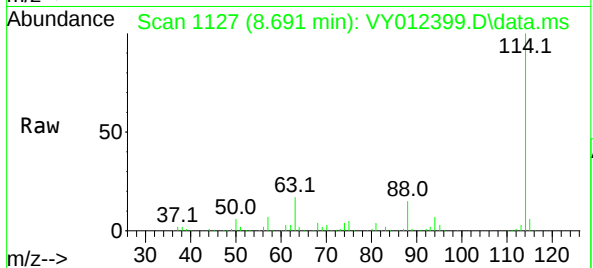
Tgt Ion:114 Resp: 246966

Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 55.971 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012399.D

Acq: 30 Jan 2023 15:48

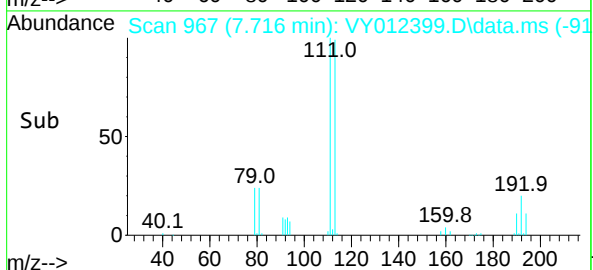
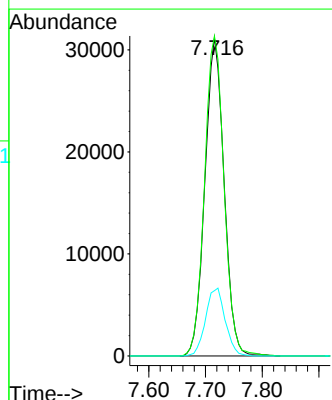
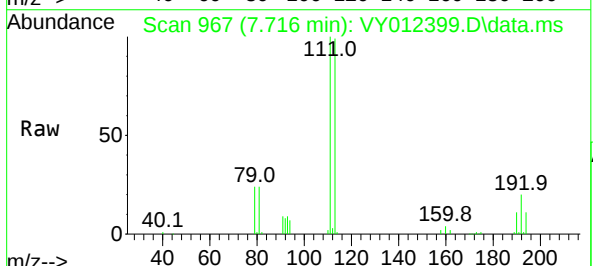
Tgt Ion:113 Resp: 73192

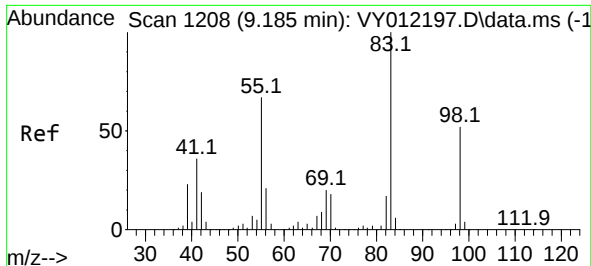
Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.4

192 21.8 16.0 24.0





#39

Methylcyclohexane

Concen: 2.796 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012399.D

Acq: 30 Jan 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

JC-2-012723

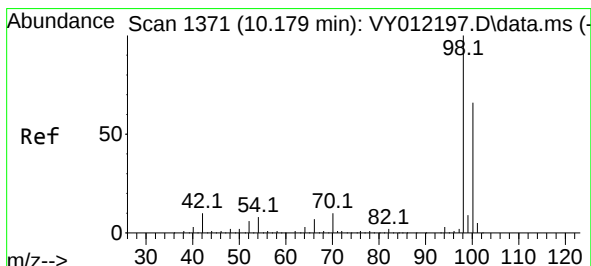
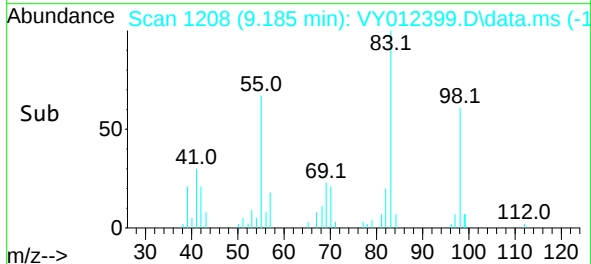
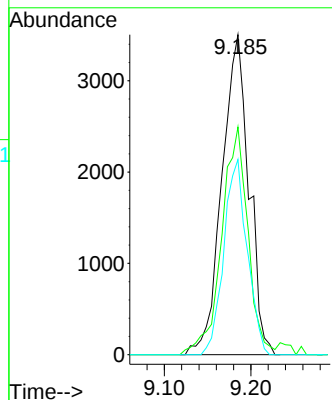
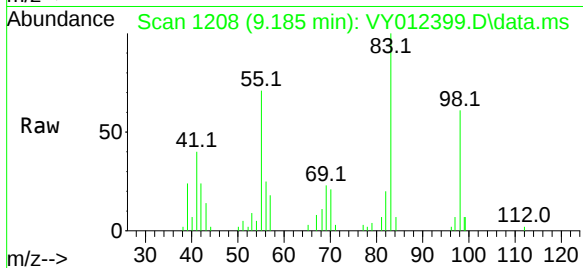
Tgt Ion: 83 Resp: 7593

Ion Ratio Lower Upper

83 100

55 71.2 58.2 87.2

98 61.0 38.6 58.0#



#50

Toluene-d8

Concen: 68.615 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012399.D

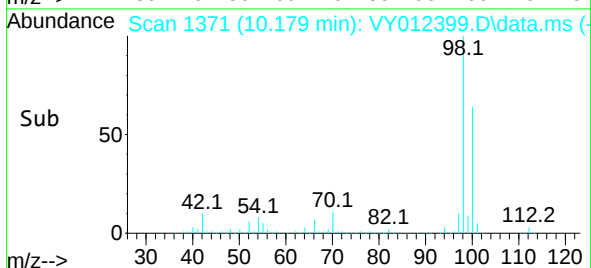
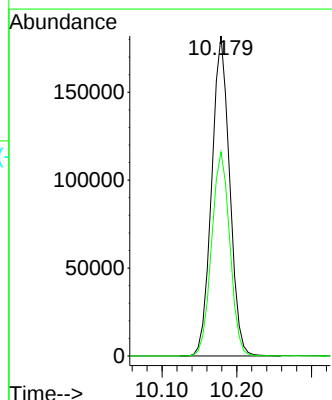
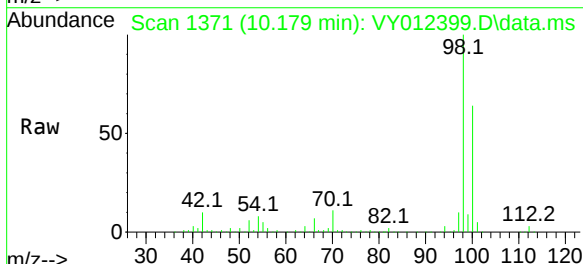
Acq: 30 Jan 2023 15:48

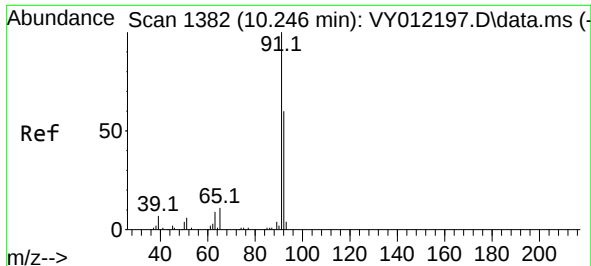
Tgt Ion: 98 Resp: 303581

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9

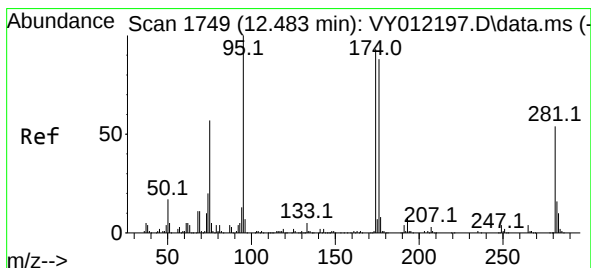
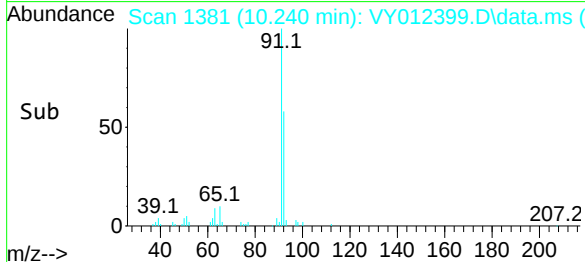
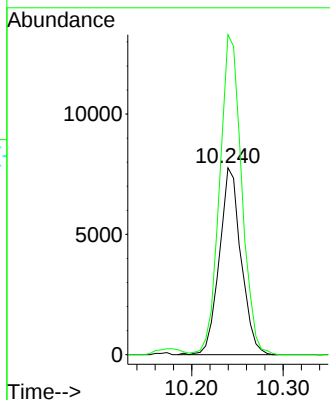
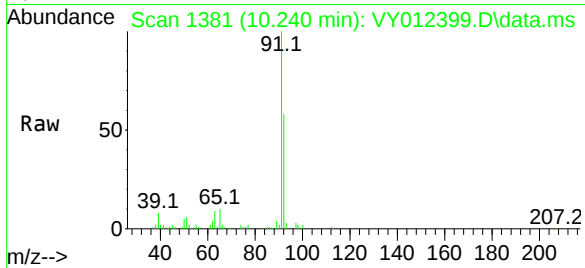




#52
Toluene
Concen: 2.996 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

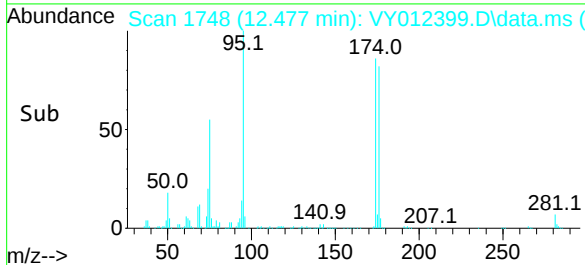
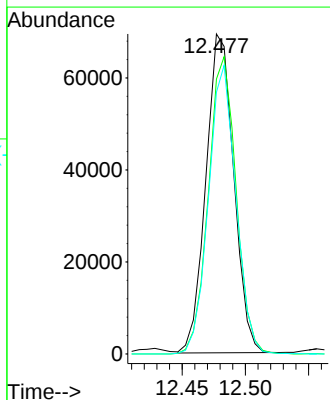
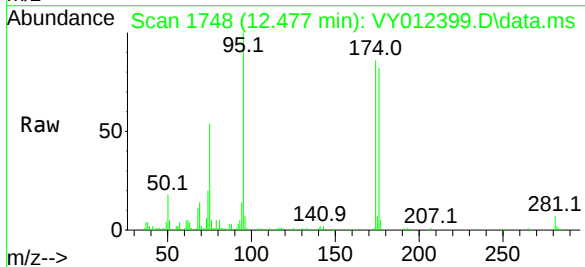
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

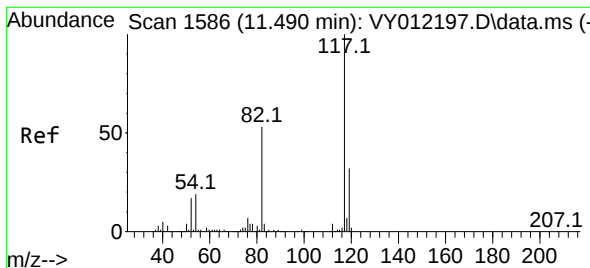
Tgt Ion: 92 Resp: 12795
Ion Ratio Lower Upper
92 100
91 174.4 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 57.483 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion: 95 Resp: 105967
Ion Ratio Lower Upper
95 100
174 93.0 0.0 172.0
176 89.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012399.D

Acq: 30 Jan 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

JC-2-012723

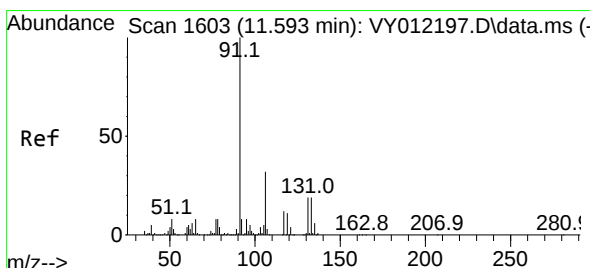
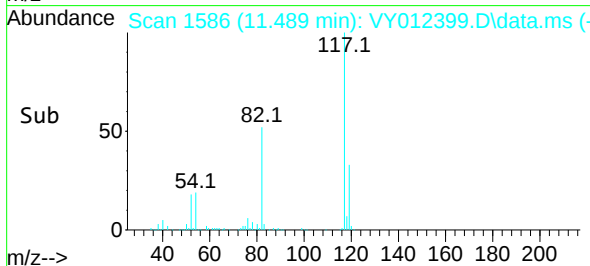
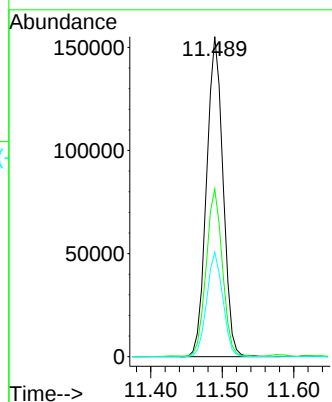
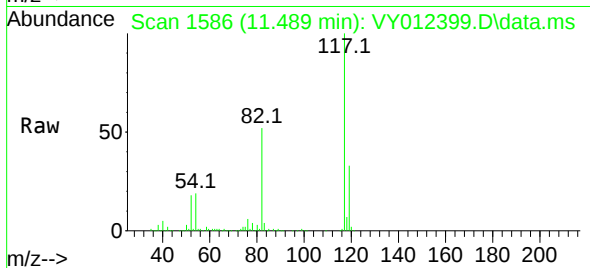
Tgt Ion:117 Resp: 248265

Ion Ratio Lower Upper

117 100

82 52.2 44.8 67.2

119 32.7 25.4 38.2



#67

Ethyl Benzene

Concen: 2.655 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012399.D

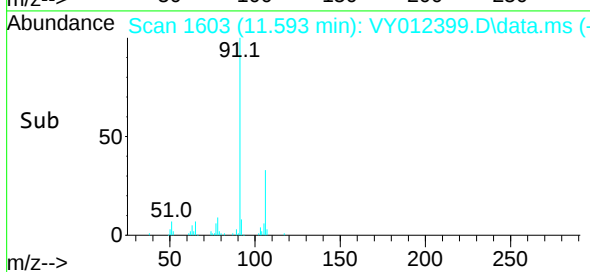
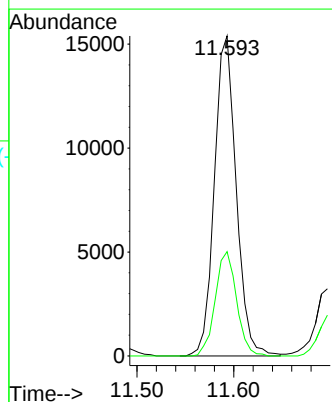
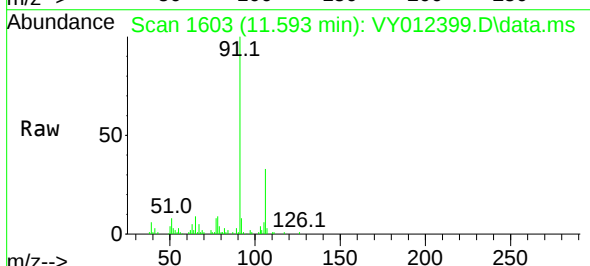
Acq: 30 Jan 2023 15:48

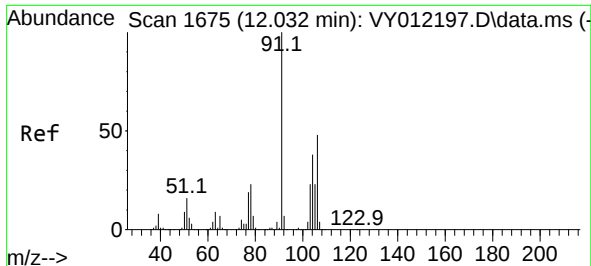
Tgt Ion: 91 Resp: 24106

Ion Ratio Lower Upper

91 100

106 32.6 25.0 37.4





#69

o-Xylene

Concen: 13.229 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012399.D

Acq: 30 Jan 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

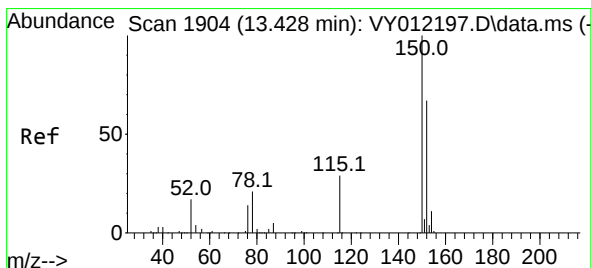
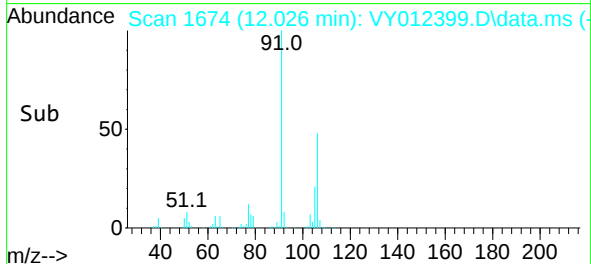
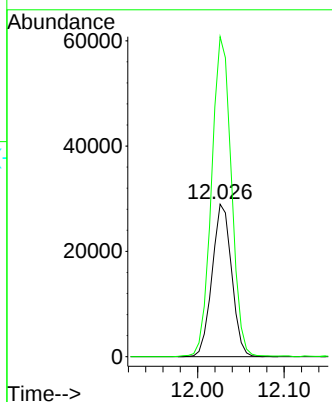
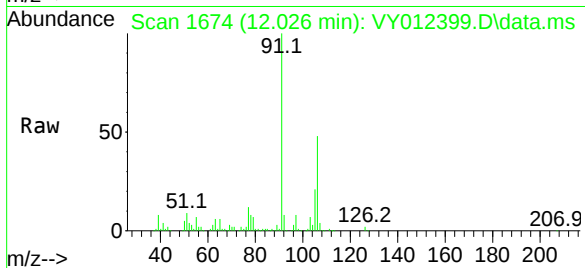
JC-2-012723

Tgt Ion:106 Resp: 45354

Ion Ratio Lower Upper

106 100

91 213.4 107.5 322.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY012399.D

Acq: 30 Jan 2023 15:48

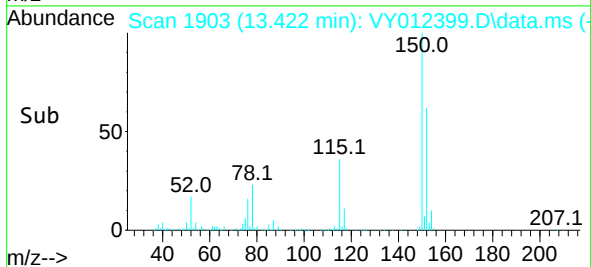
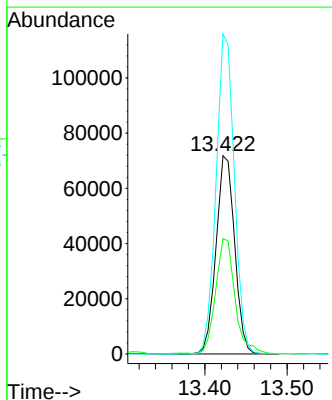
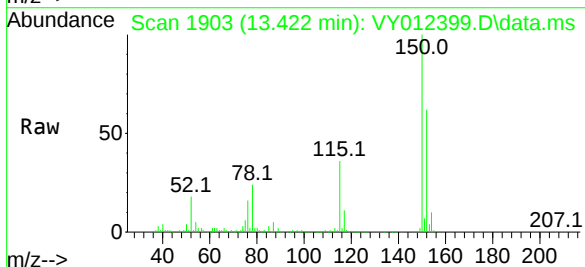
Tgt Ion:152 Resp: 113102

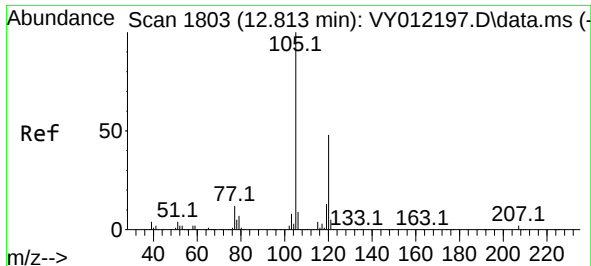
Ion Ratio Lower Upper

152 100

115 60.2 29.1 87.3

150 158.4 0.0 342.6

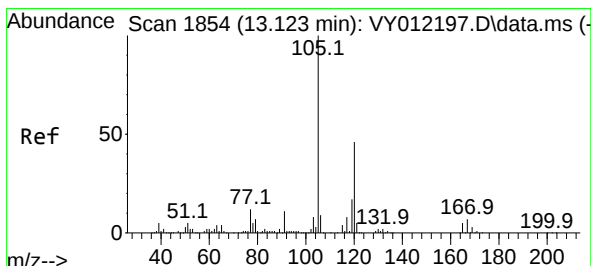
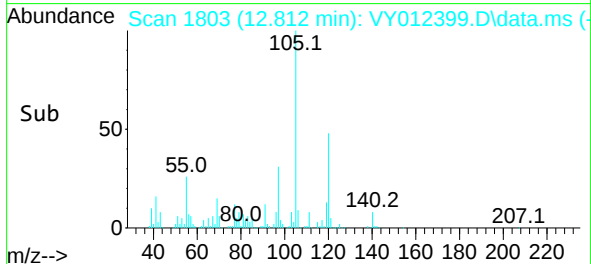
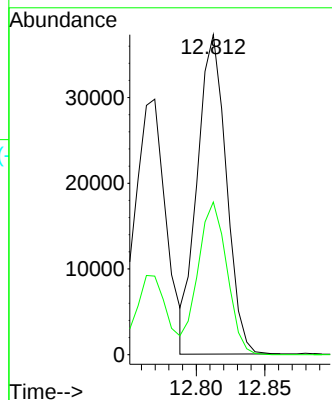
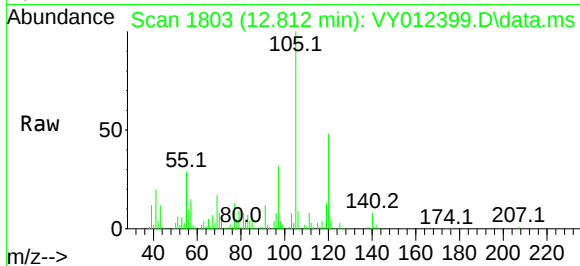




#80
1,3,5-Trimethylbenzene
Concen: 7.711 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723

Tgt Ion:105 Resp: 54671
Ion Ratio Lower Upper
105 100
120 47.9 24.2 72.6



#84
1,2,4-Trimethylbenzene
Concen: 1.188 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY012399.D
Acq: 30 Jan 2023 15:48

Tgt Ion:105 Resp: 8306
Ion Ratio Lower Upper
105 100
120 44.9 22.9 68.7

