

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013123\
 Data File : VY012422.D
 Acq On : 31 Jan 2023 15:58
 Operator : KP/MD
 Sample : 01358-07RE
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-2-012723RE

Quant Time: Feb 01 01:25:12 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)

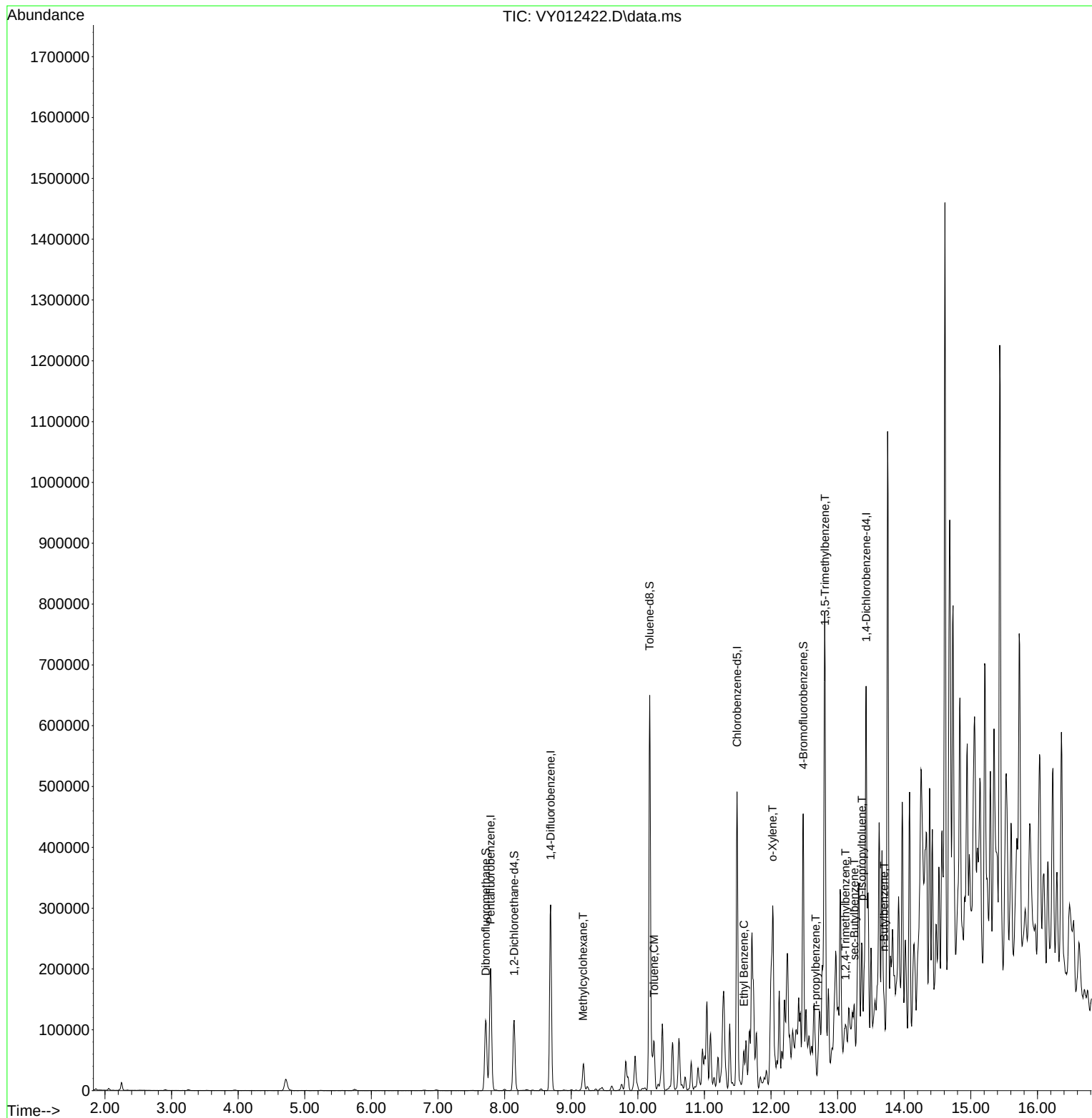
Internal Standards						
1) Pentafluorobenzene	7.789	168	160963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	269429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	272302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	96587	74.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.600%	
35) Dibromofluoromethane	7.716	113	78841	55.264	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.520%	
50) Toluene-d8	10.179	98	341251	70.843	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 141.680%#	
62) 4-Bromofluorobenzene	12.483	95	118358	58.852	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.700%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.179	83	17812	6.012	ug/l	96
52) Toluene	10.246	92	34107	7.320	ug/l	99
67) Ethyl Benzene	11.593	91	33284	3.343	ug/l	99
69) o-Xylene	12.026	106	59946	15.941	ug/l	99
78) n-propylbenzene	12.672	91	17399	1.678	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	93038	12.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	17215	2.266	ug/l	99
85) sec-Butylbenzene	13.251	105	12851	1.344	ug/l	84
86) p-Isopropyltoluene	13.367	119	19861	2.378	ug/l	96
89) n-Butylbenzene	13.696	91	16825	2.325	ug/l #	62

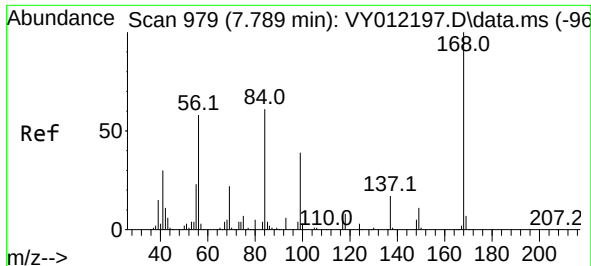
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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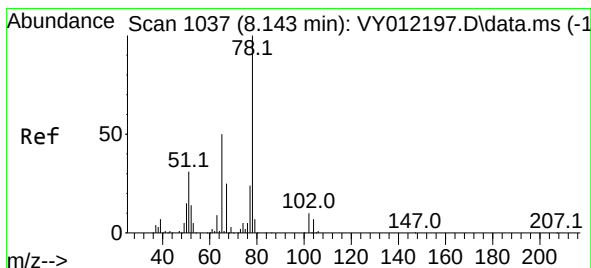
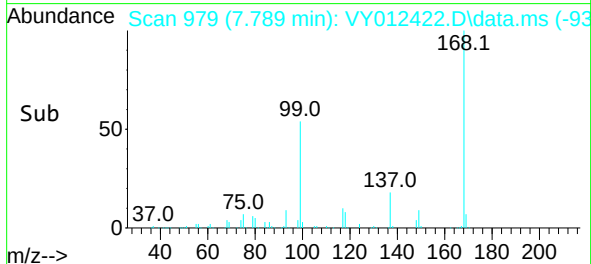
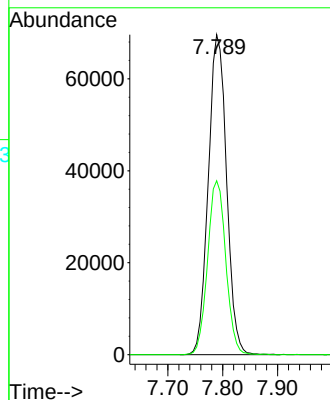
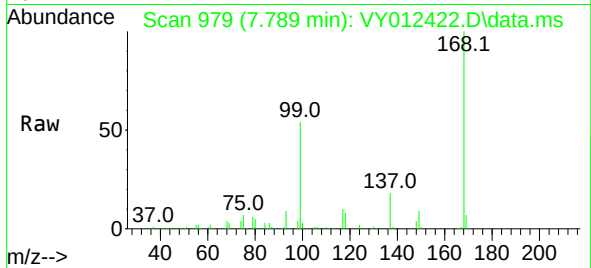




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012422.D
Acq: 31 Jan 2023 15:58

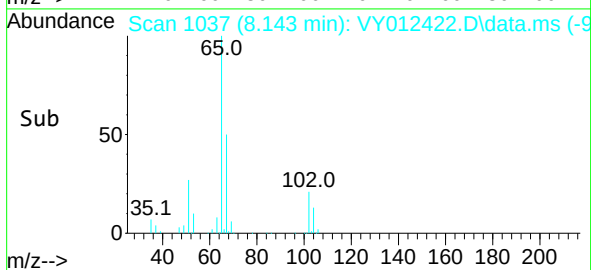
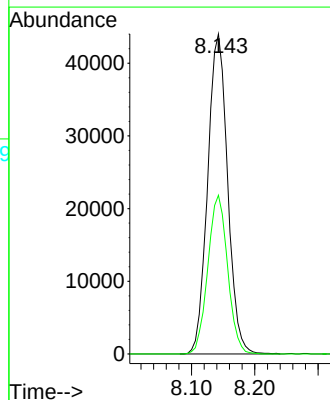
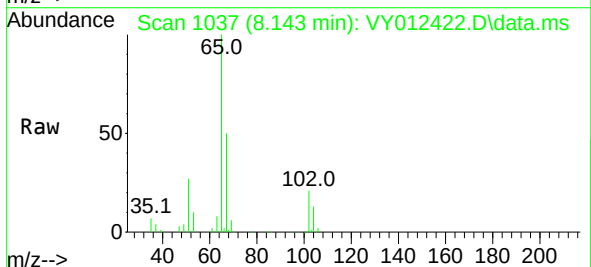
Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723RE

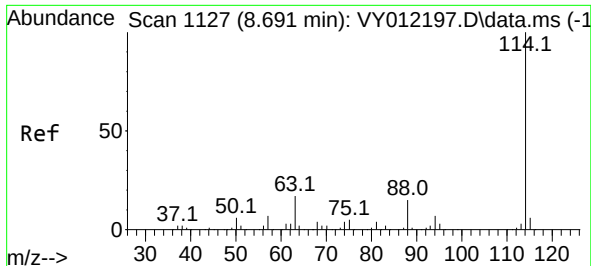
Tgt Ion:168 Resp: 160963
Ion Ratio Lower Upper
168 100
99 54.4 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 74.304 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012422.D
Acq: 31 Jan 2023 15:58

Tgt Ion: 65 Resp: 96587
Ion Ratio Lower Upper
65 100
67 49.2 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: VY012422.D

Acq: 31 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

JC-2-012723RE

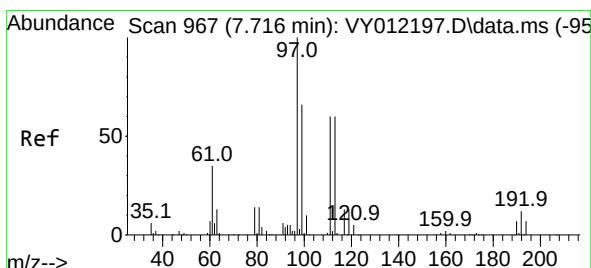
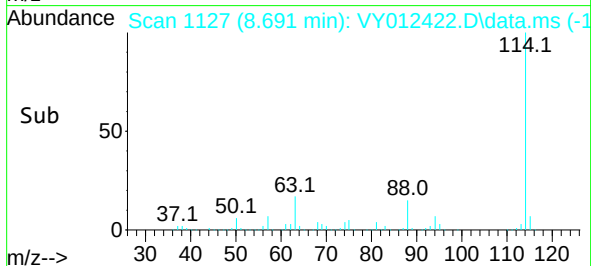
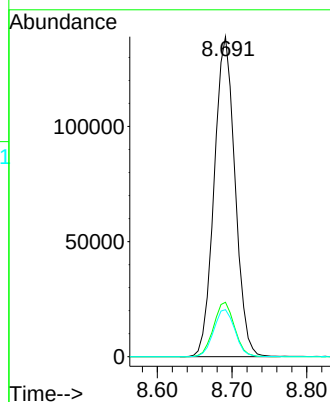
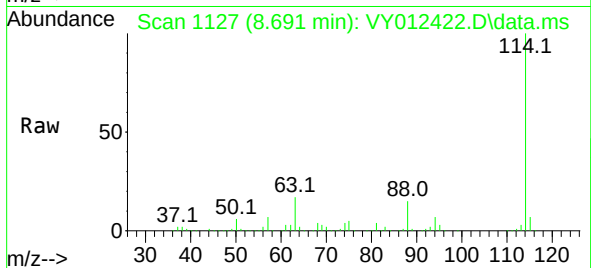
Tgt Ion:114 Resp: 269429

Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 14.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 55.264 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012422.D

Acq: 31 Jan 2023 15:58

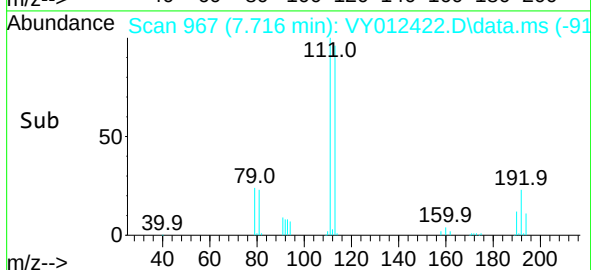
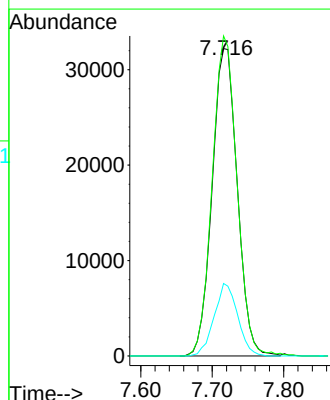
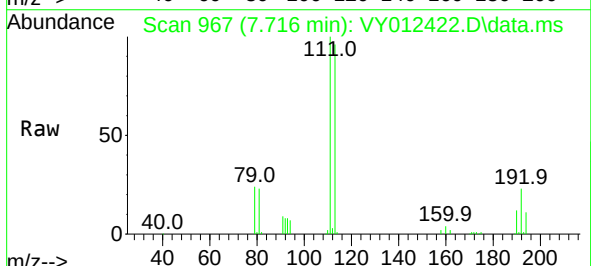
Tgt Ion:113 Resp: 78841

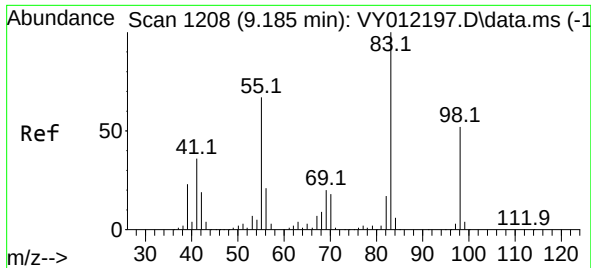
Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

192 22.0 16.0 24.0





#39

Methylcyclohexane

Concen: 6.012 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. -0.006 min

Lab File: VY012422.D

Acq: 31 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

JC-2-012723RE

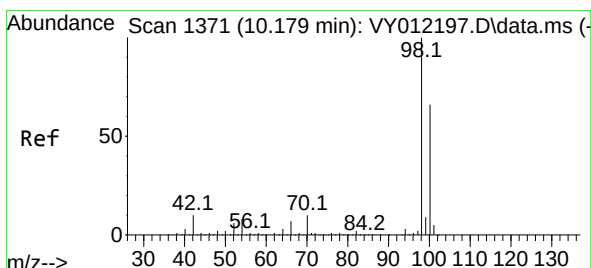
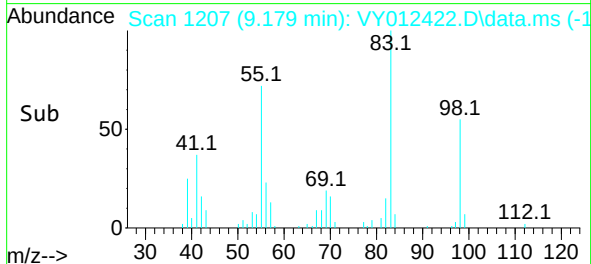
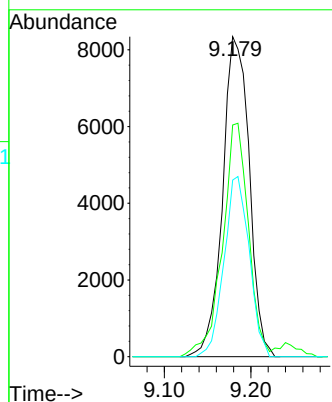
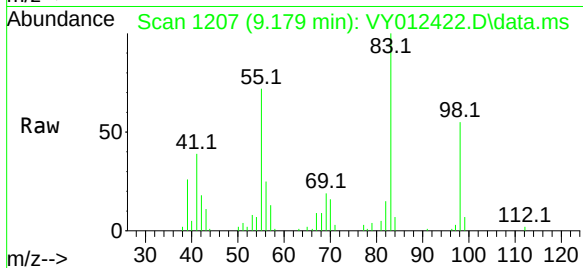
Tgt Ion: 83 Resp: 17812

Ion Ratio Lower Upper

83 100

55 72.4 58.2 87.2

98 55.2 38.6 58.0



#50

Toluene-d8

Concen: 70.843 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012422.D

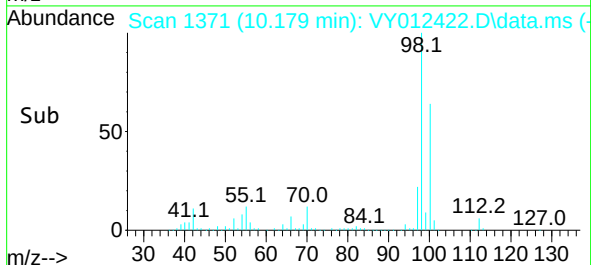
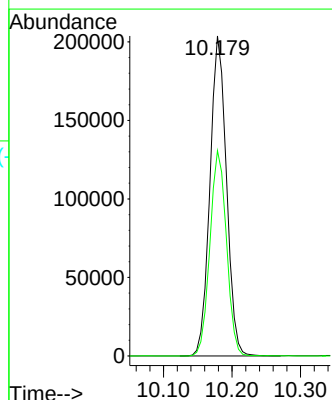
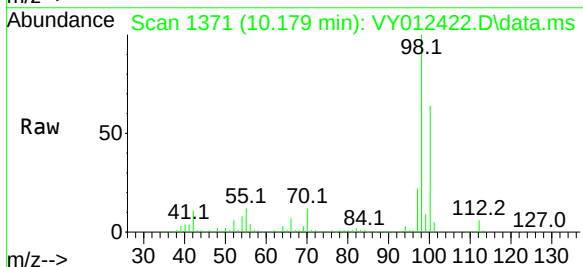
Acq: 31 Jan 2023 15:58

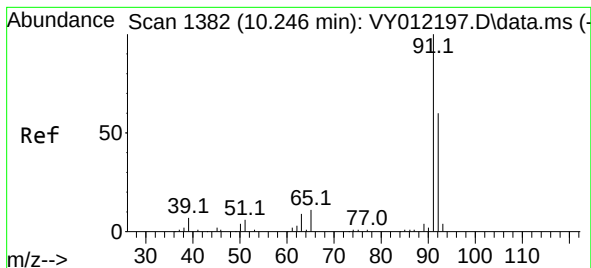
Tgt Ion: 98 Resp: 341251

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9





#52

Toluene

Concen: 7.320 ug/l

RT: 10.246 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012422.D

Acq: 31 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

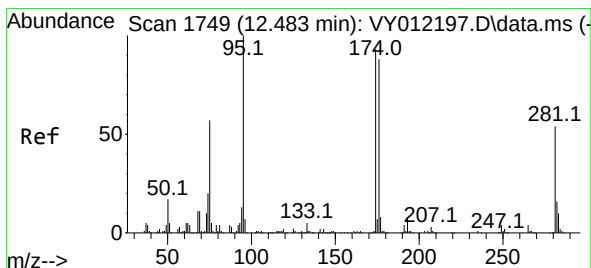
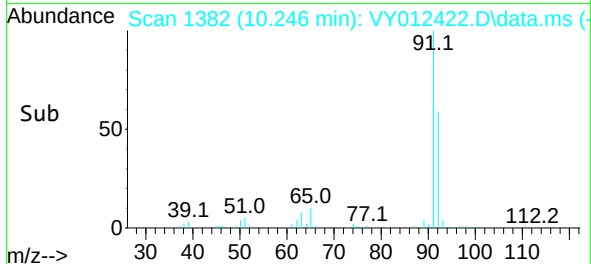
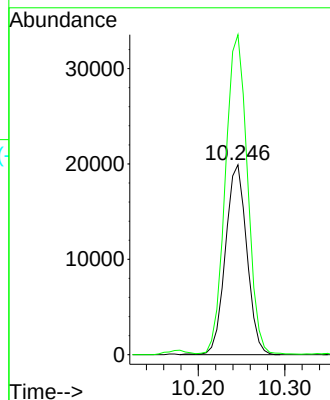
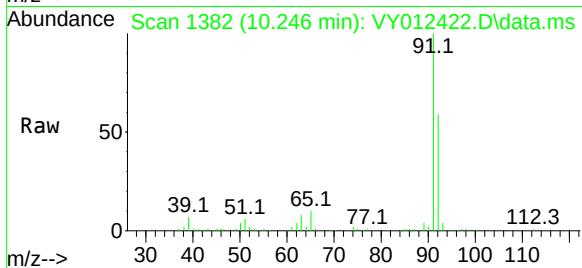
JC-2-012723RE

Tgt Ion: 92 Resp: 34107

Ion Ratio Lower Upper

92 100

91 173.2 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 58.852 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012422.D

Acq: 31 Jan 2023 15:58

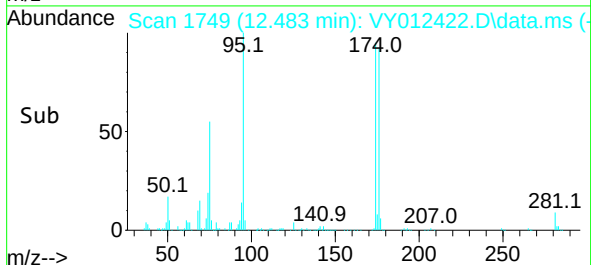
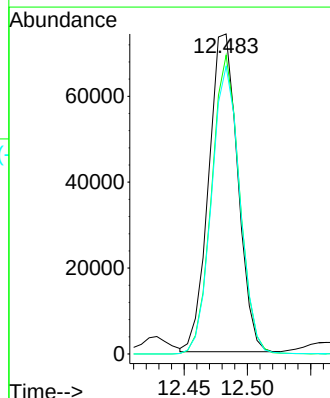
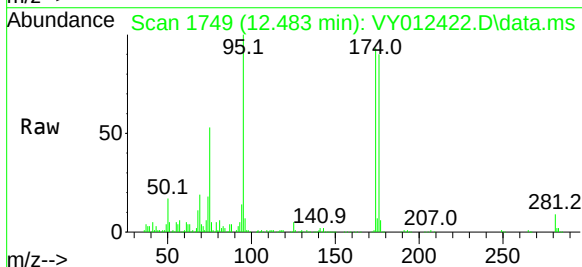
Tgt Ion: 95 Resp: 118358

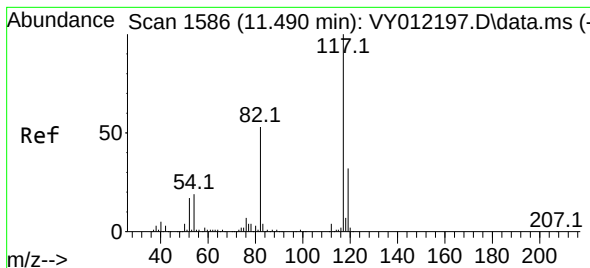
Ion Ratio Lower Upper

95 100

174 90.0 0.0 172.0

176 88.2 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: VY012422.D

Acq: 31 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

JC-2-012723RE

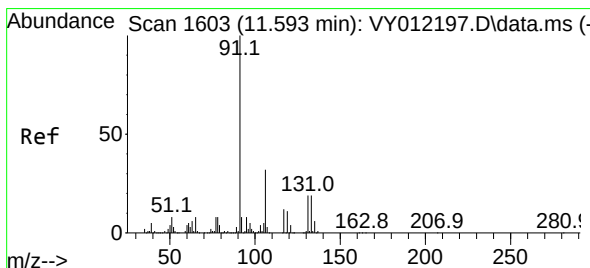
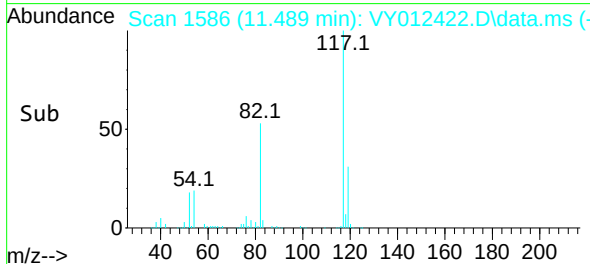
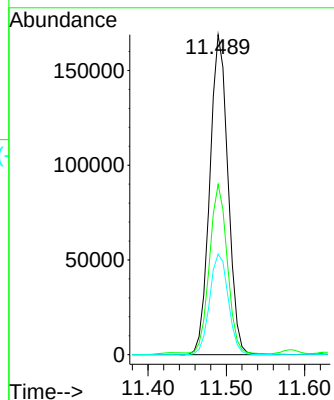
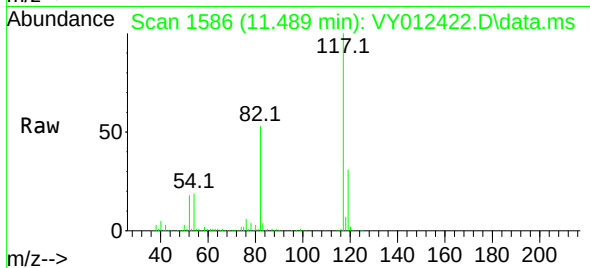
Tgt Ion:117 Resp: 272302

Ion Ratio Lower Upper

117 100

82 52.6 44.8 67.2

119 31.5 25.4 38.2



#67

Ethyl Benzene

Concen: 3.343 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012422.D

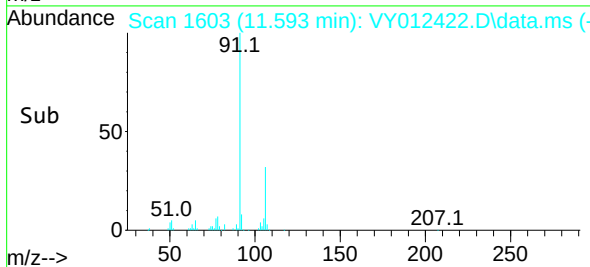
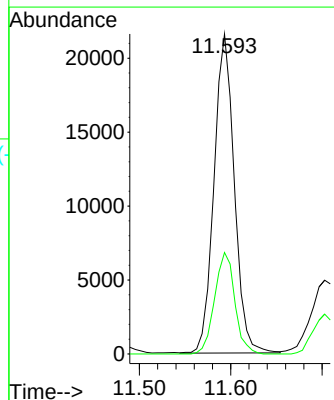
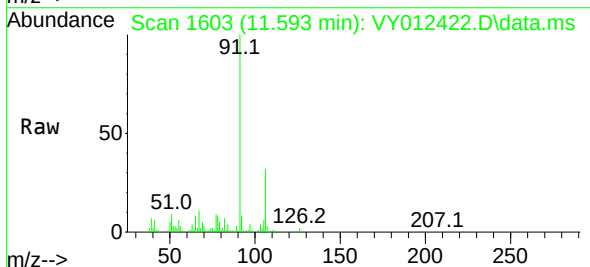
Acq: 31 Jan 2023 15:58

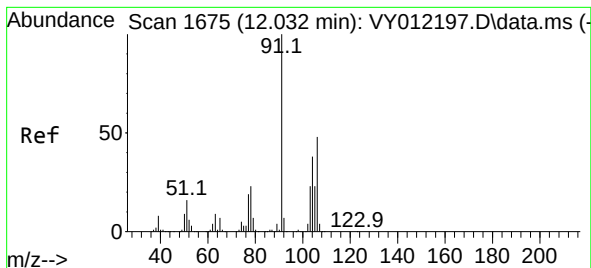
Tgt Ion: 91 Resp: 33284

Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.4





#69

o-Xylene

Concen: 15.941 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012422.D

Acq: 31 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

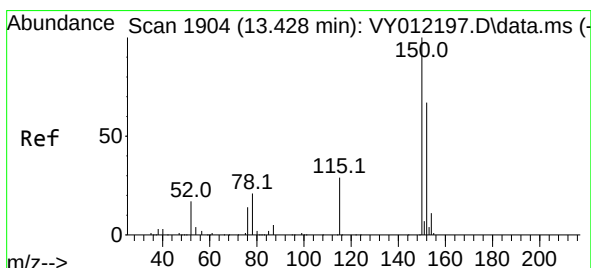
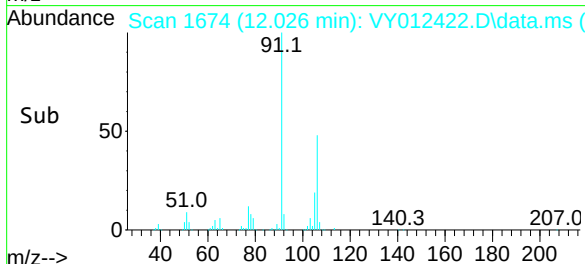
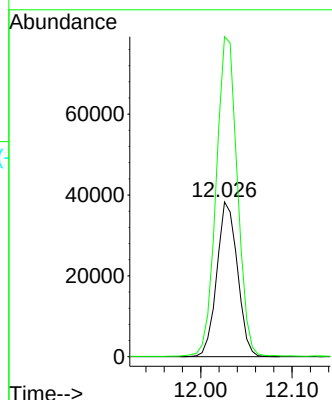
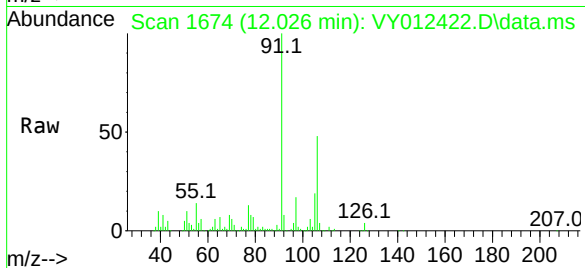
JC-2-012723RE

Tgt Ion:106 Resp: 59946

Ion Ratio Lower Upper

106 100

91 213.2 107.5 322.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012422.D

Acq: 31 Jan 2023 15:58

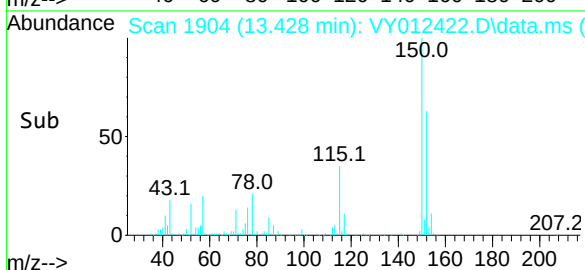
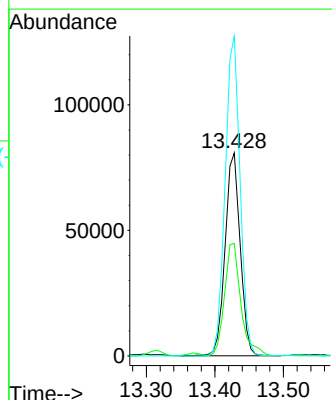
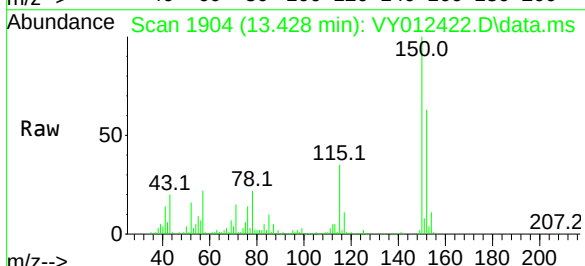
Tgt Ion:152 Resp: 122889

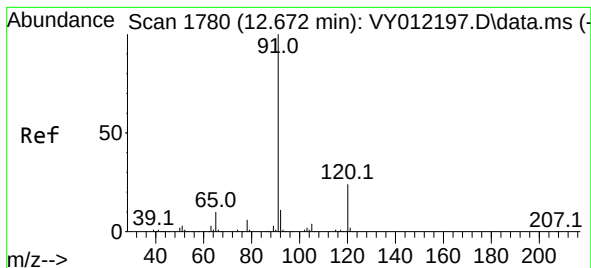
Ion Ratio Lower Upper

152 100

115 60.1 29.1 87.3

150 156.1 0.0 342.6





#78

n-propylbenzene

Concen: 1.678 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY012422.D

Acq: 31 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

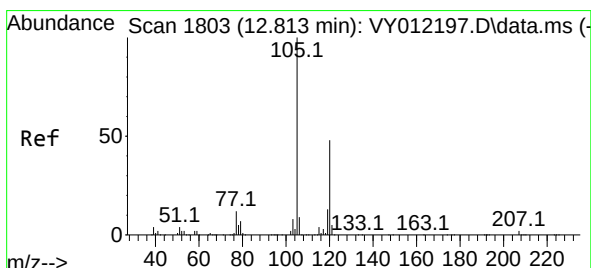
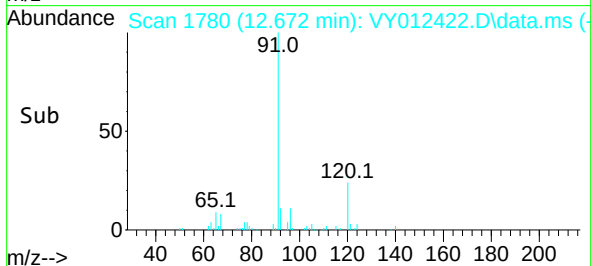
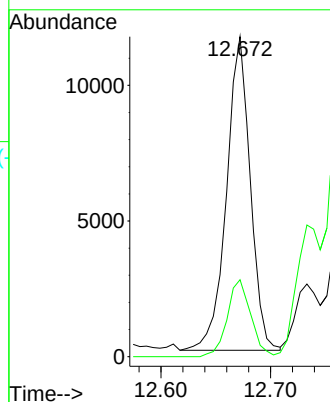
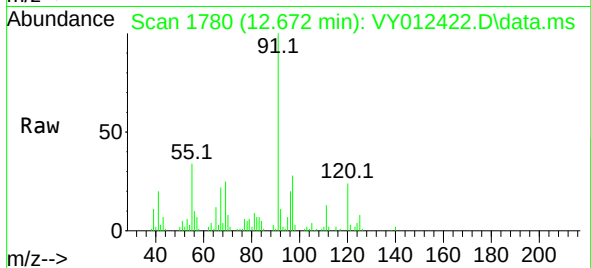
JC-2-012723RE

Tgt Ion: 91 Resp: 17399

Ion Ratio Lower Upper

91 100

120 24.2 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 12.078 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.001 min

Lab File: VY012422.D

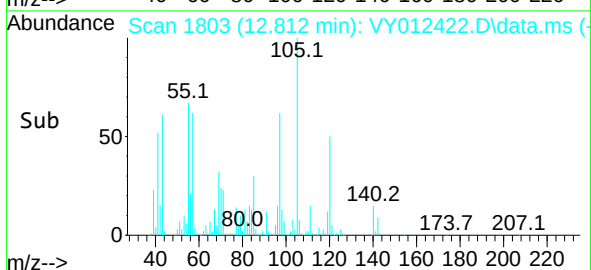
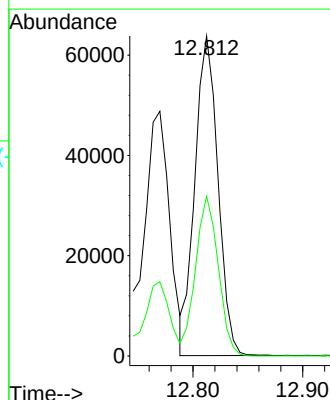
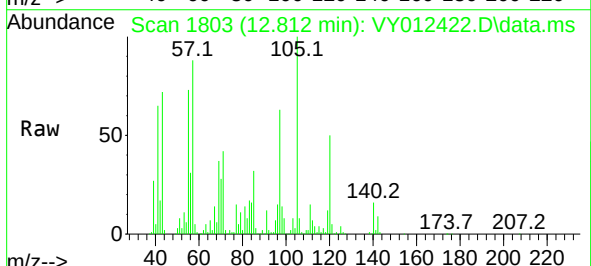
Acq: 31 Jan 2023 15:58

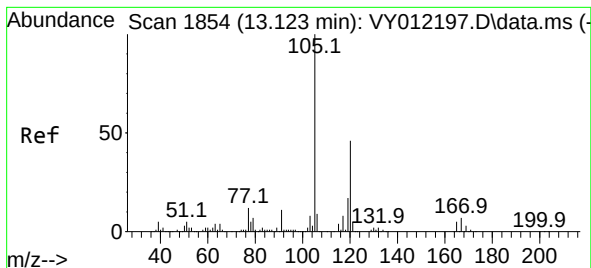
Tgt Ion: 105 Resp: 93038

Ion Ratio Lower Upper

105 100

120 49.3 24.2 72.6





#84

1,2,4-Trimethylbenzene

Concen: 2.266 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY012422.D

Acq: 31 Jan 2023 15:58

Instrument :

MSVOA_Y

ClientSampleId :

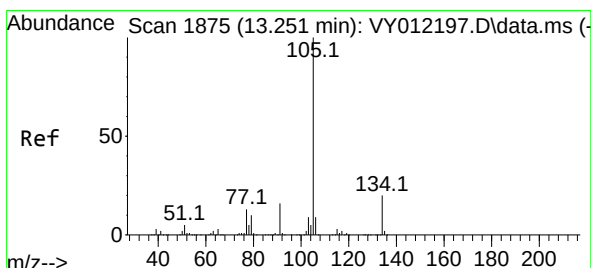
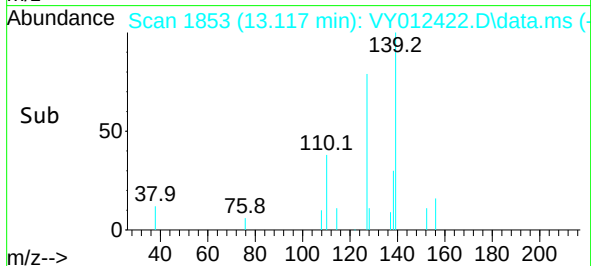
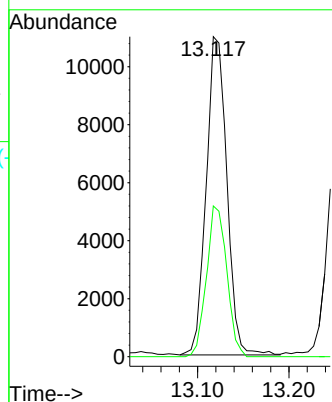
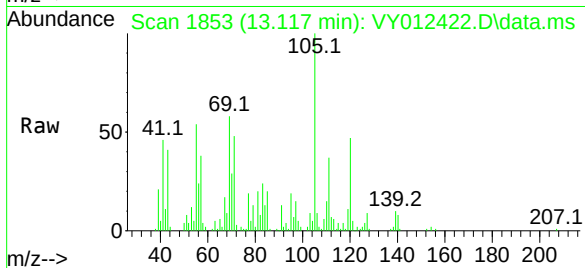
JC-2-012723RE

Tgt Ion:105 Resp: 17215

Ion Ratio Lower Upper

105 100

120 46.5 22.9 68.7



#85

sec-Butylbenzene

Concen: 1.344 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY012422.D

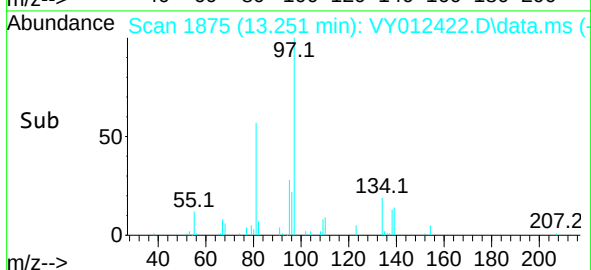
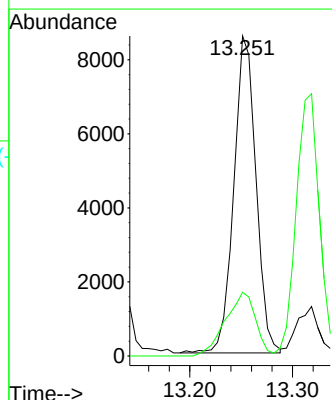
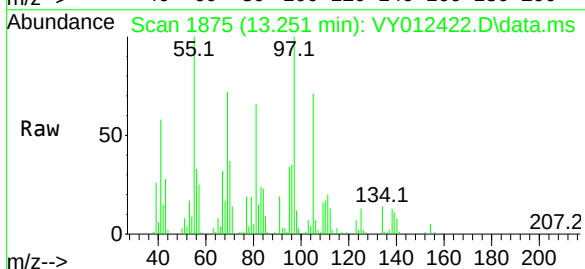
Acq: 31 Jan 2023 15:58

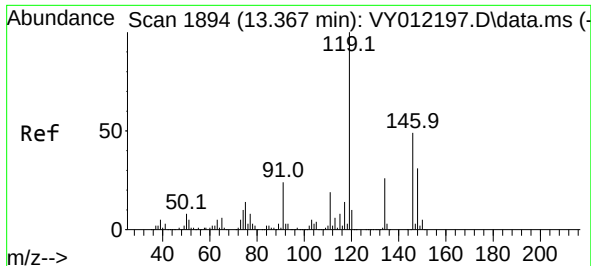
Tgt Ion:105 Resp: 12851

Ion Ratio Lower Upper

105 100

134 27.5 10.1 30.3

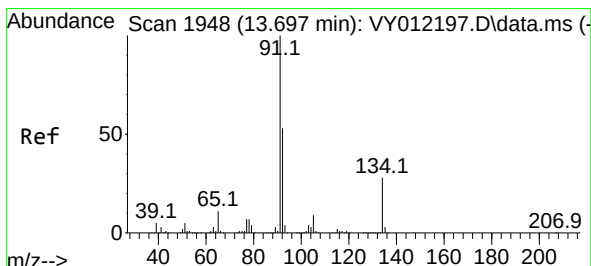
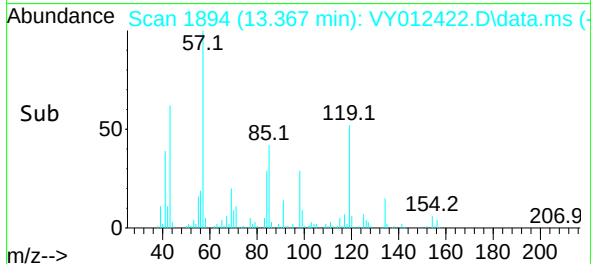
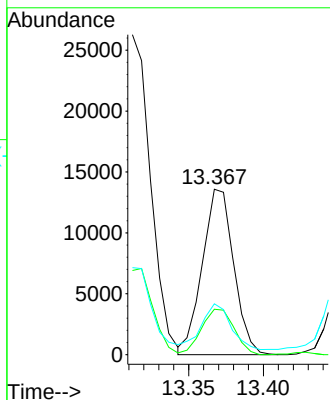
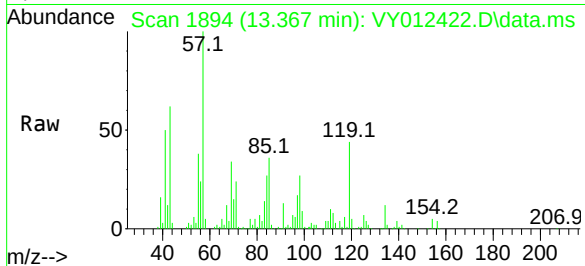




#86
p-Isopropyltoluene
Concen: 2.378 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY012422.D
Acq: 31 Jan 2023 15:58

Instrument :
MSVOA_Y
ClientSampleId :
JC-2-012723RE

Tgt Ion:	119	Resp:	19861
Ion	Ratio	Lower	Upper
119	100		
134	28.6	13.0	39.0
91	25.6	11.9	35.9



#89
n-Butylbenzene
Concen: 2.325 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VY012422.D
Acq: 31 Jan 2023 15:58

Tgt Ion:	91	Resp:	16825
Ion	Ratio	Lower	Upper
91	100		
92	76.1	26.8	80.4
134	0.0	13.3	39.8

