

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\  
 Data File : VY001389.D  
 Acq On : 24 Jan 2020 17:46  
 Operator : SY/MD  
 Sample : L1263-01  
 Misc : 7.84G/5ML/MSVOA Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CTY-SB-03-10-11

Quant Time: Jan 25 04:44:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

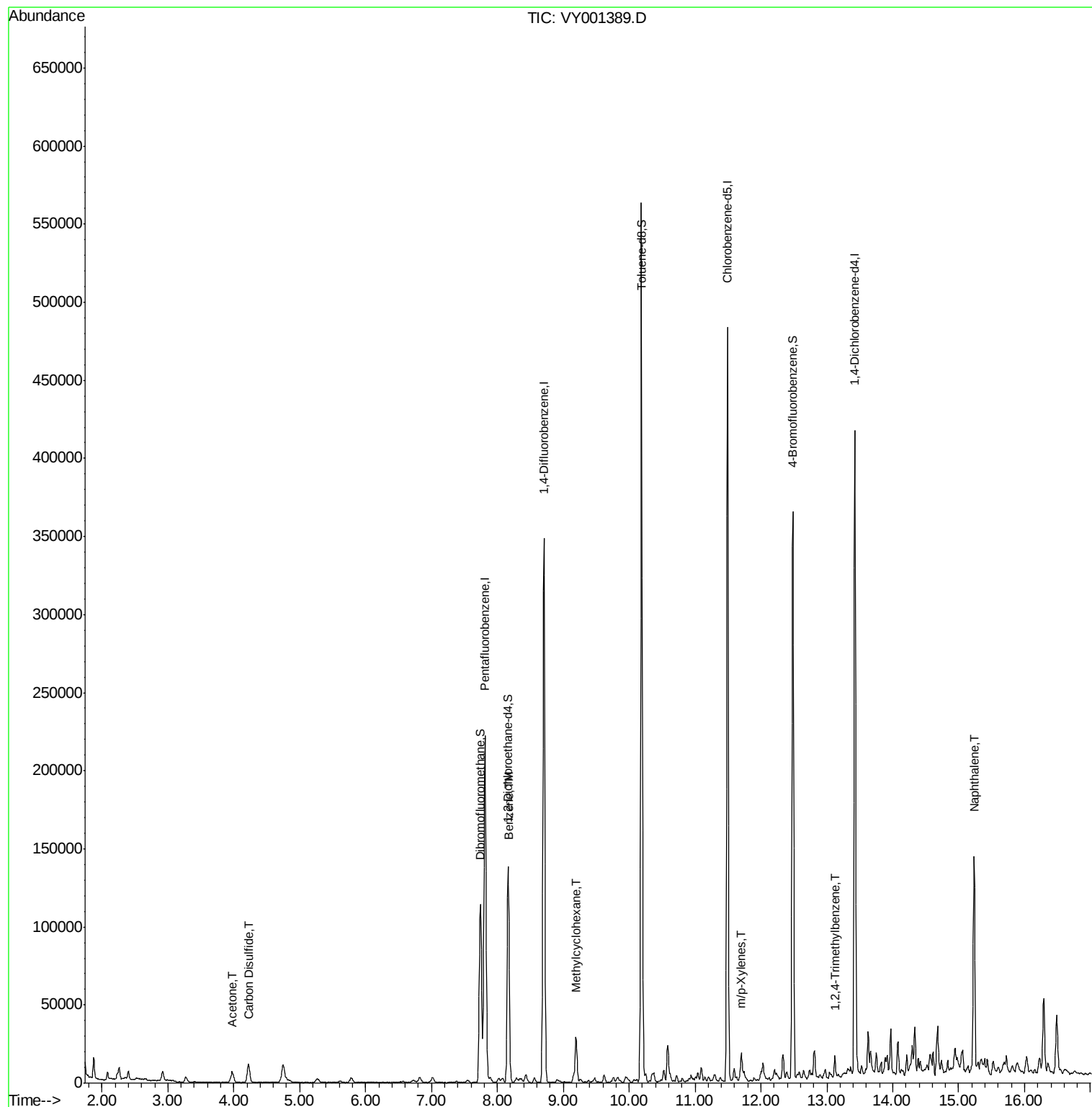
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 165570   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 300438   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 263177   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 100831   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 95374    | 52.94  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.88% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 81759    | 46.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.74%  |          |
| 50) Toluene-d8              | 10.19 | 98   | 352853   | 51.51  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.02% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 116990   | 42.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.76%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.97  | 43   | 10770    | 15.585 | ug/l    | 98       |
| 17) Carbon Disulfide        | 4.22  | 76   | 23641    | 4.276  | ug/l    | 97       |
| 39) Methylcyclohexane       | 9.19  | 83   | 12063    | 3.318  | ug/l    | 97       |
| 40) Benzene                 | 8.18  | 78   | 12109    | 1.423  | ug/l    | 97       |
| 68) m/p-Xylenes             | 11.70 | 106  | 4829     | 1.265  | ug/l    | 95       |
| 84) 1,2,4-Trimethylbenzene  | 13.12 | 105  | 7835     | 1.175  | ug/l    | 100      |
| 95) Naphthalene             | 15.23 | 128  | 109616   | 22.819 | ug/l    | 99       |

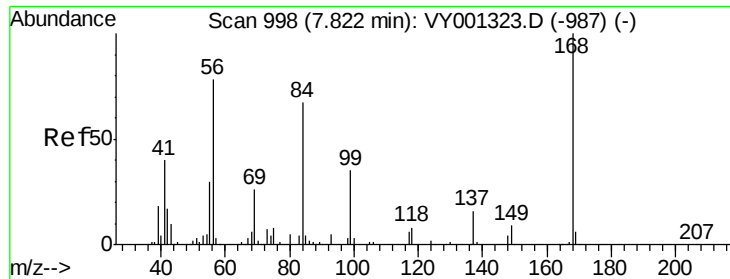
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 25 04:44:22 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 01:21:47 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA\_Y

ClientSampleId :

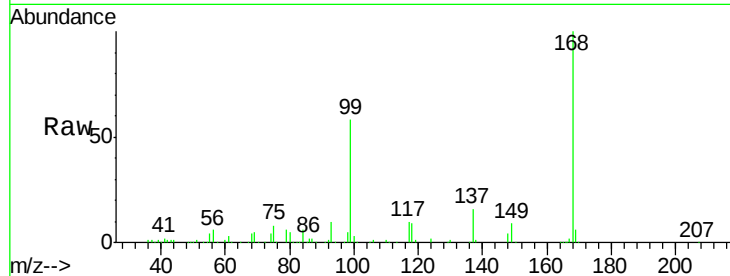
CTY-SB-03-10-11

Tot Ion:168 Resp: 165570

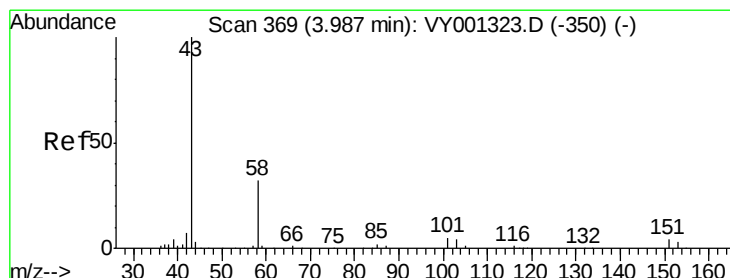
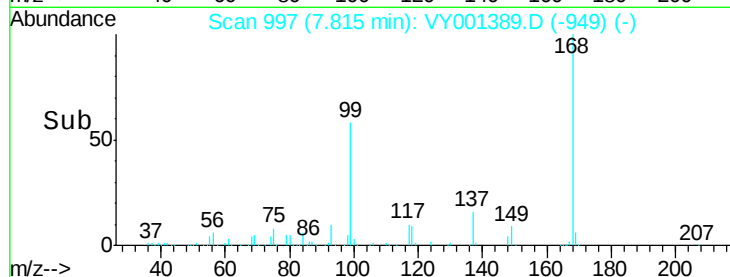
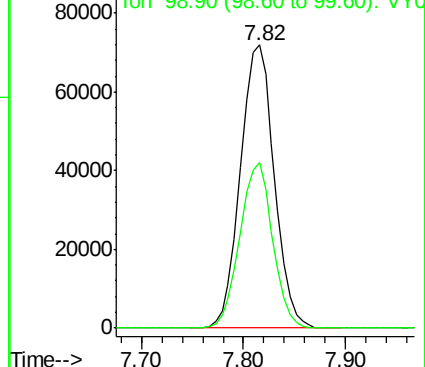
Ion Ratio Lower Upper

168 100

99 58.4 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)



#16

Acetone

Concen: 15.585 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VY001389.D

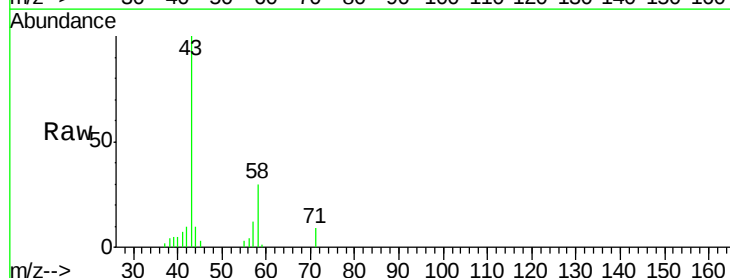
Acq: 24 Jan 2020 17:46

Tgt Ion: 43 Resp: 10770

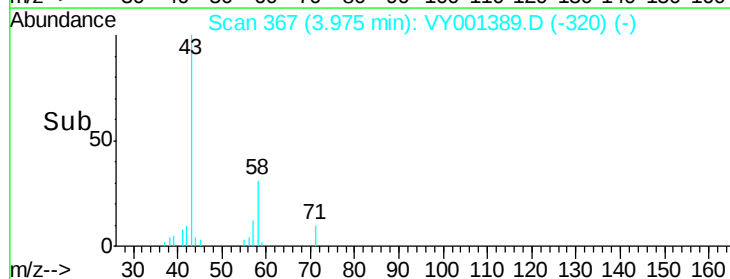
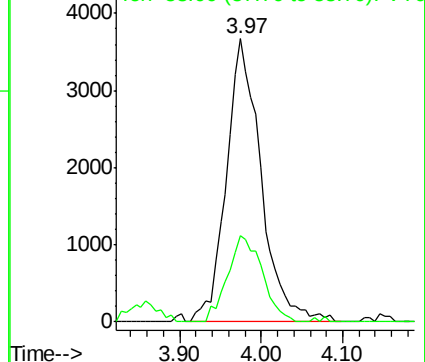
Ion Ratio Lower Upper

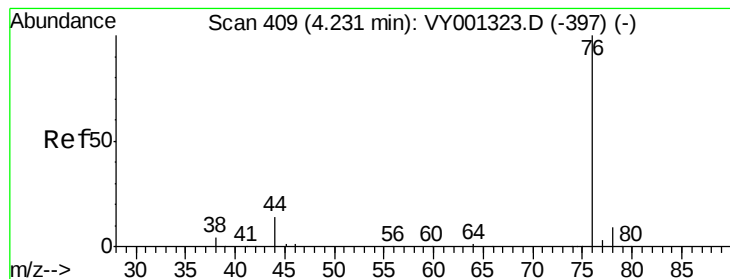
43 100

58 30.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY001323.D (-350) (-)





#17

Carbon Disulfide

Concen: 4.276 ug/l

RT: 4.22 min Scan# 408

Delta R.T. -0.01 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA\_Y

ClientSampleId :

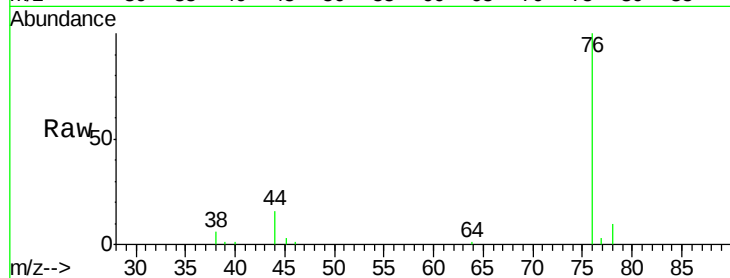
CTY-SB-03-10-11

Tot Ion: 76 Resp: 23641

Ion Ratio Lower Upper

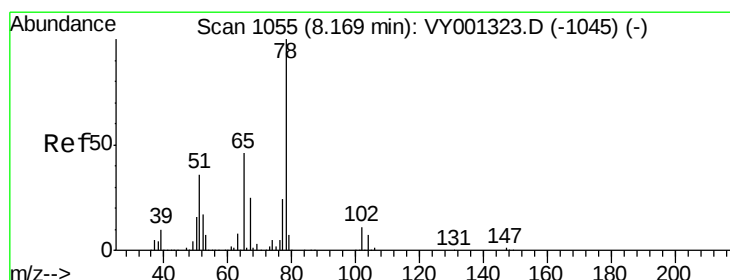
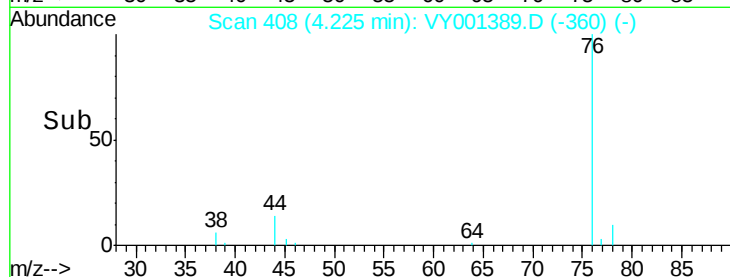
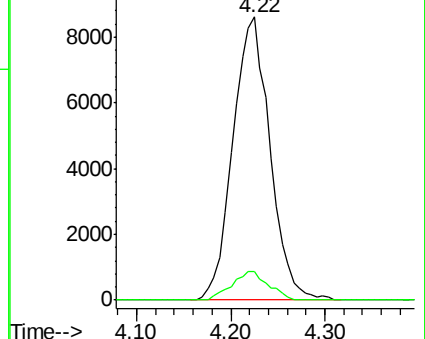
76 100

78 10.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 52.938 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001389.D

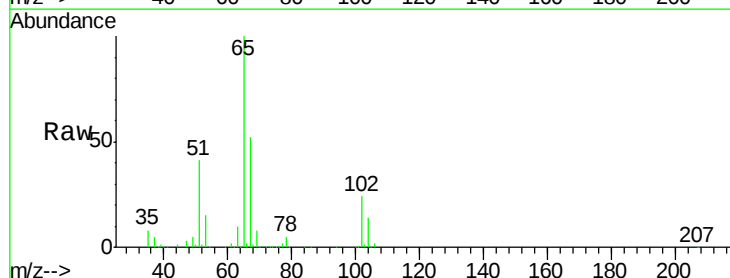
Acq: 24 Jan 2020 17:46

Tgt Ion: 65 Resp: 95374

Ion Ratio Lower Upper

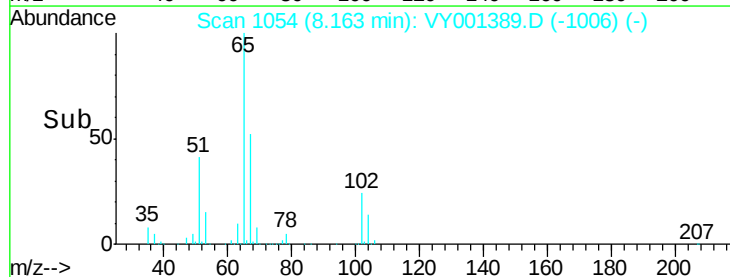
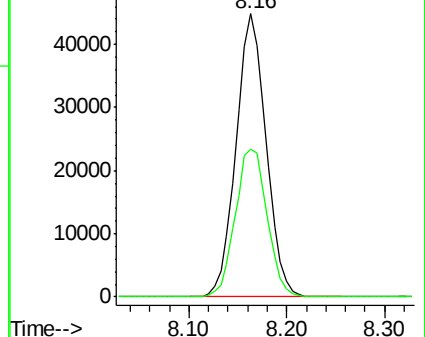
65 100

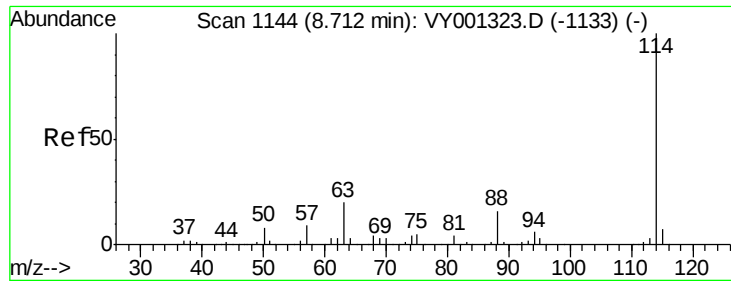
67 55.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

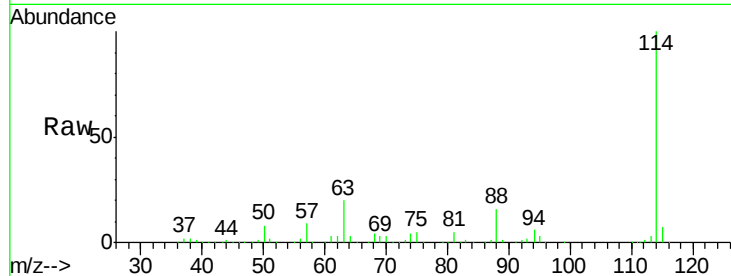




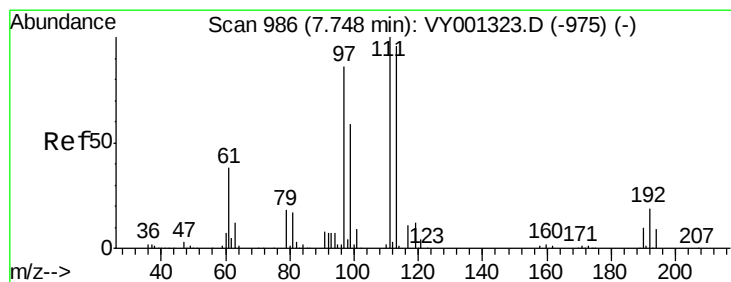
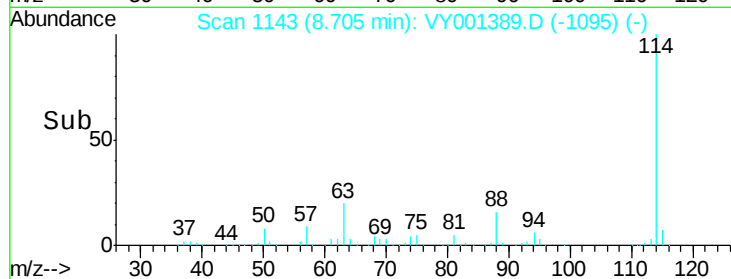
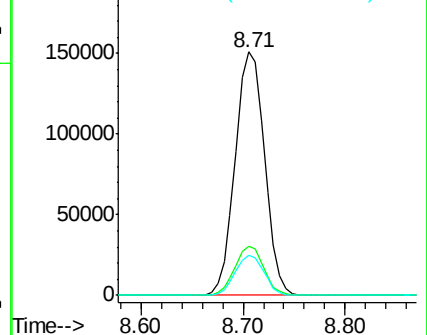
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: VY001389.D  
 Acq: 24 Jan 2020 17:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CTY-SB-03-10-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.1  | 0.0   | 40.8  |
| 88      | 16.3  | 0.0   | 31.0  |

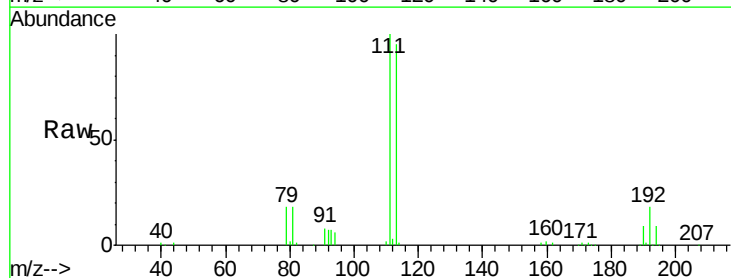


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

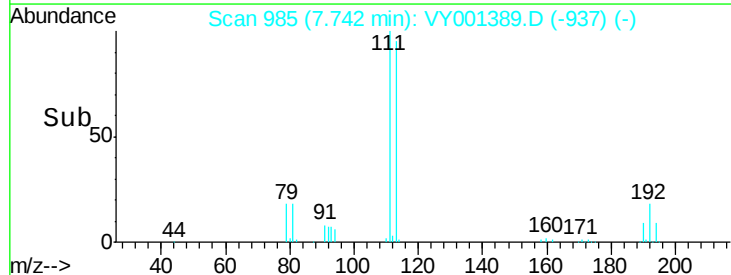
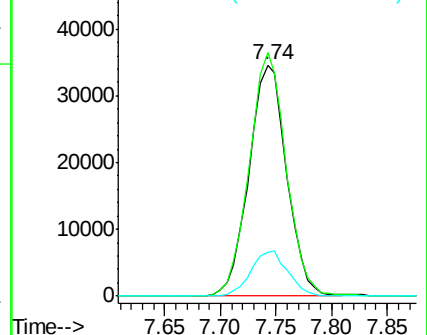


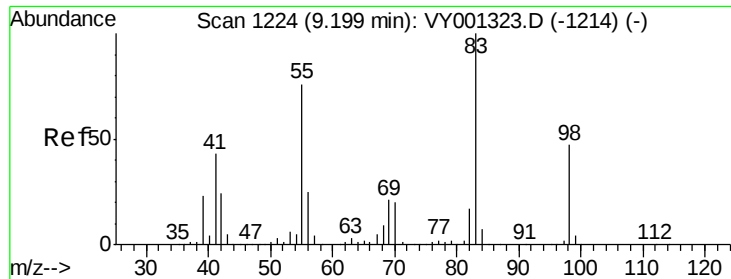
#35  
 Dibromofluoromethane  
 Concen: 46.367 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: VY001389.D  
 Acq: 24 Jan 2020 17:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 82.8  | 124.2 |
| 192     | 19.0  | 15.5  | 23.3  |



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

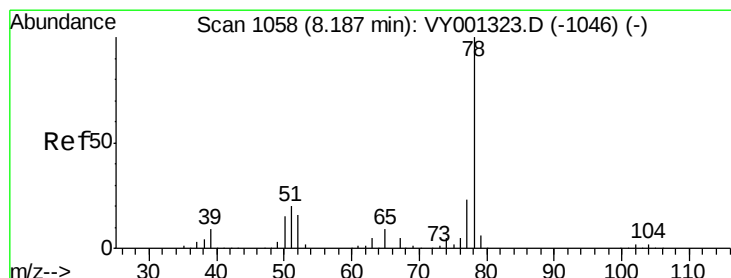
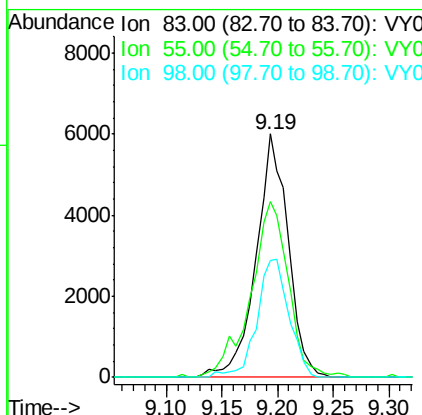
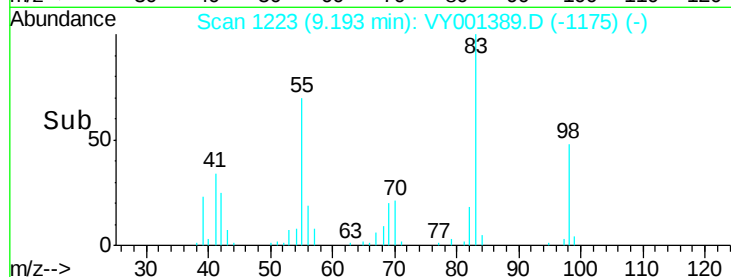
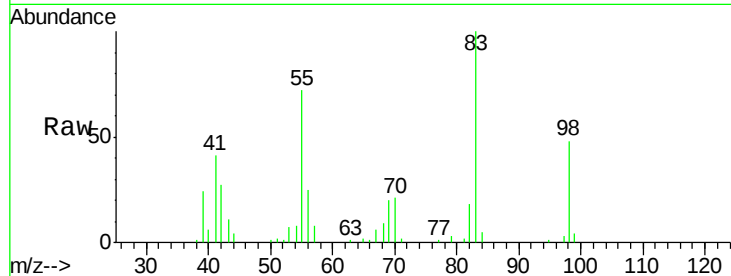




#39  
Methvlcvclohexane  
Concen: 3.318 ug/l  
RT: 9.19 min Scan# 1223  
Delta R.T. -0.01 min  
Lab File: VY001389.D  
Acq: 24 Jan 2020 17:46

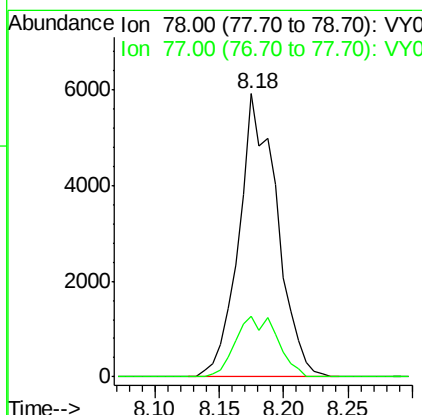
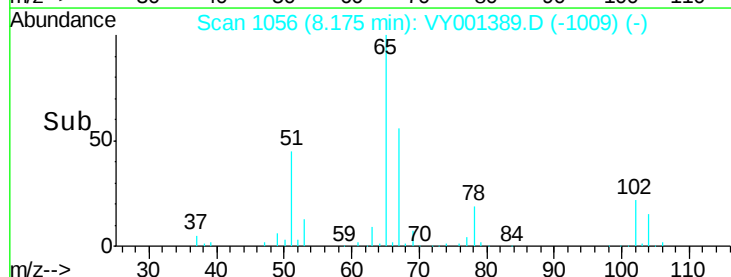
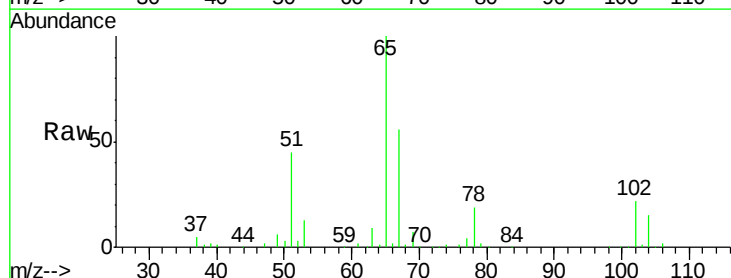
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CTY-SB-03-10-11

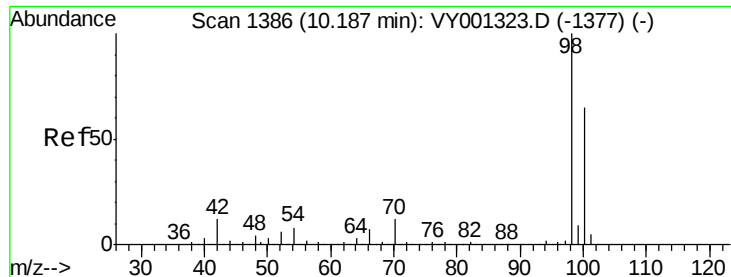
Tot Ion: 83 Resp: 12063  
Ion Ratio Lower Upper  
83 100  
55 72.0 60.7 91.1  
98 48.3 37.8 56.8



#40  
Benzene  
Concen: 1.423 ug/l  
RT: 8.18 min Scan# 1056  
Delta R.T. -0.01 min  
Lab File: VY001389.D  
Acq: 24 Jan 2020 17:46

Tgt Ion: 78 Resp: 12109  
Ion Ratio Lower Upper  
78 100  
77 21.6 18.6 27.8





#50

Toluene-d8

Concen: 51.505 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA\_Y

ClientSampleId :

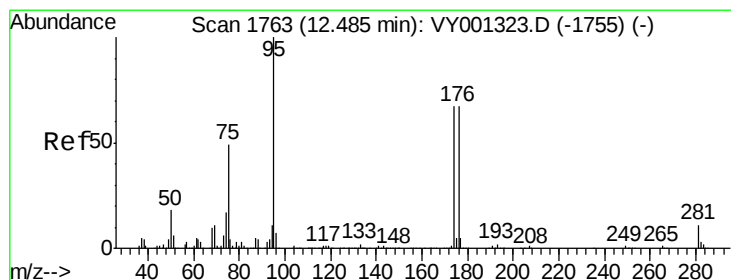
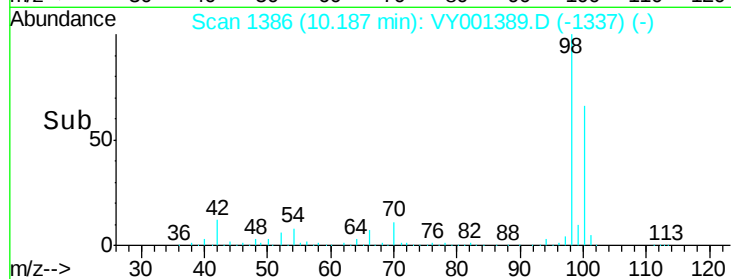
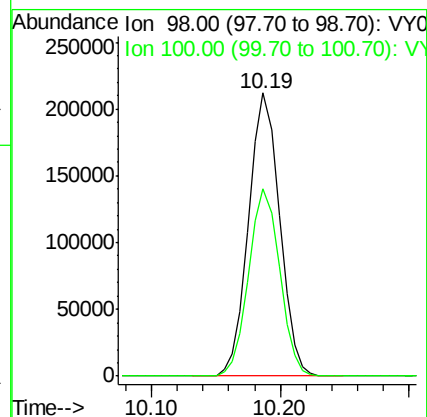
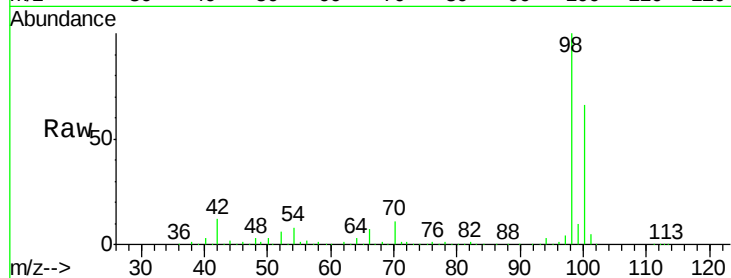
CTY-SB-03-10-11

Tot Ion: 98 Resp: 352853

Ion Ratio Lower Upper

98 100

100 65.9 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 42.882 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

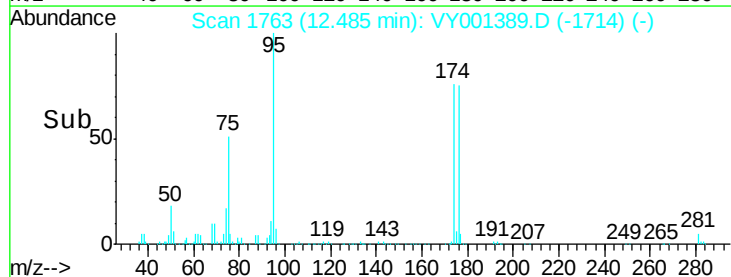
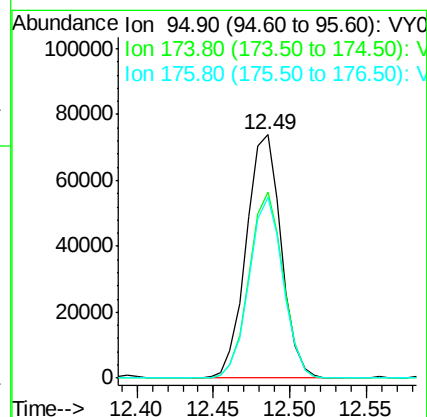
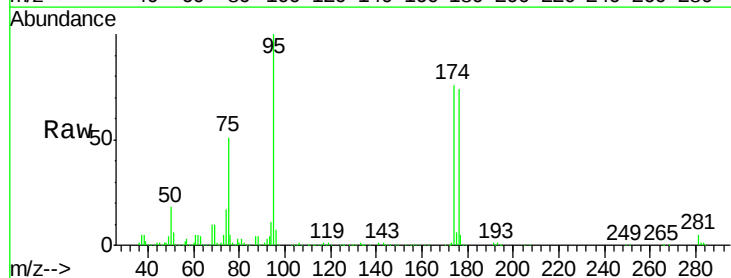
Tgt Ion: 95 Resp: 116990

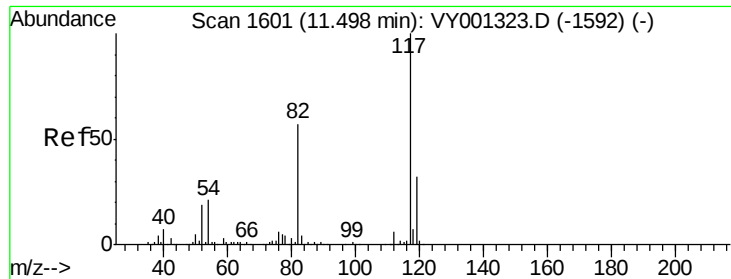
Ion Ratio Lower Upper

95 100

174 74.5 0.0 142.0

176 72.3 0.0 138.6

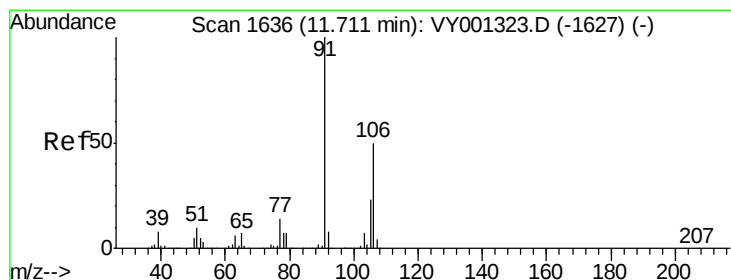
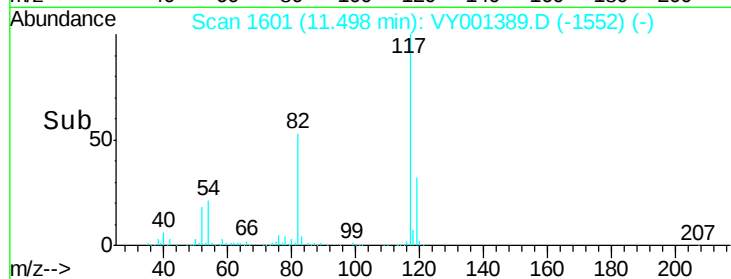
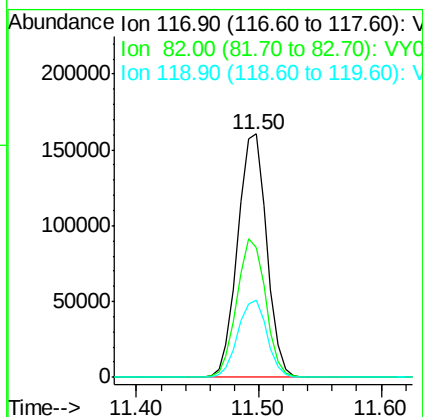
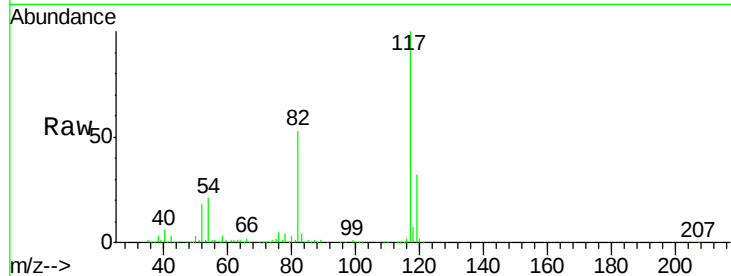




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.00 min  
Lab File: VY001389.D  
Acq: 24 Jan 2020 17:46

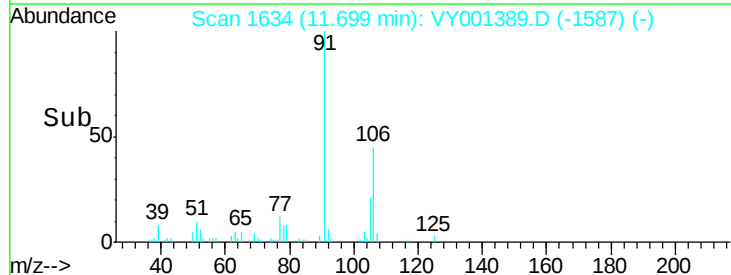
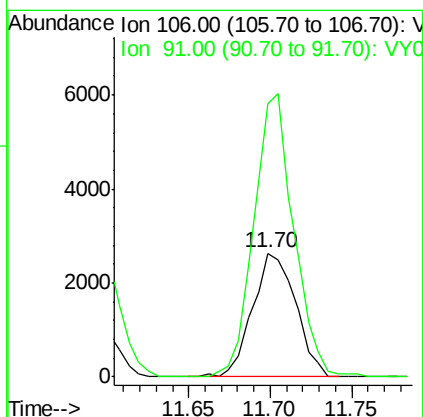
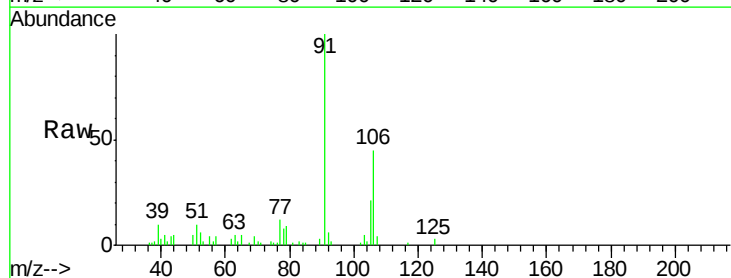
Instrument :  
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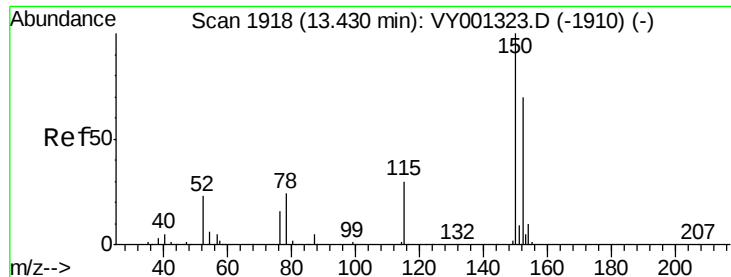
Tot Ion:117 Resp: 263177  
Ion Ratio Lower Upper  
117 100  
82 53.5 45.5 68.3  
119 31.8 25.8 38.6



#68  
m/p-Xylenes  
Concen: 1.265 ug/l  
RT: 11.70 min Scan# 1634  
Delta R.T. -0.01 min  
Lab File: VY001389.D  
Acq: 24 Jan 2020 17:46

Tgt Ion:106 Resp: 4829  
Ion Ratio Lower Upper  
106 100  
91 211.4 162.8 244.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA\_Y

ClientSampleId :

CTY-SB-03-10-11

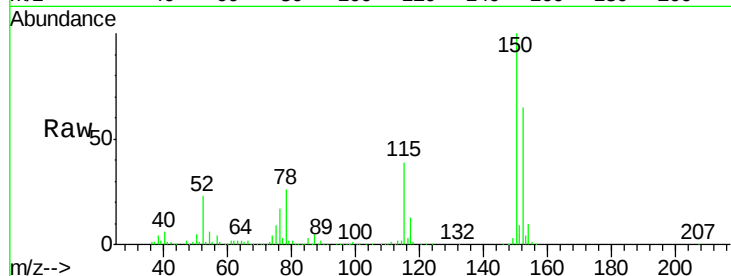
Tot Ion:152 Resp: 100831

Ion Ratio Lower Upper

152 100

115 61.2 30.9 92.8

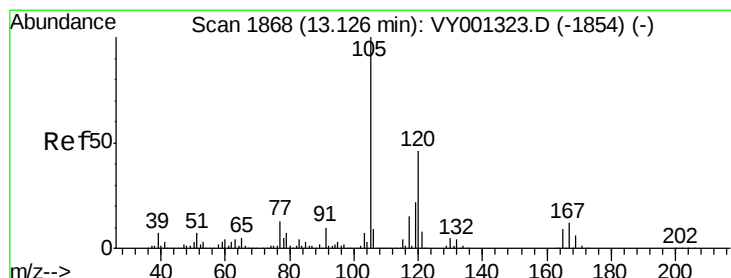
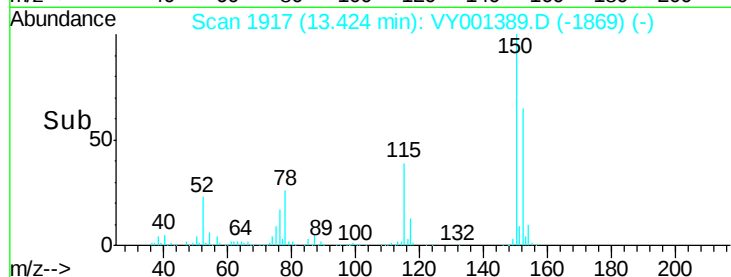
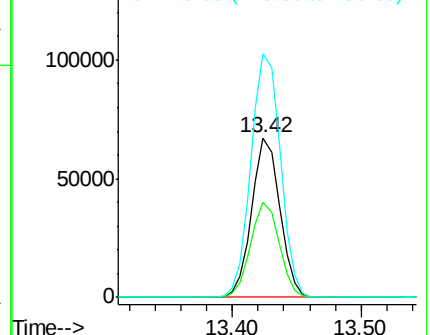
150 160.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 1.175 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VY001389.D

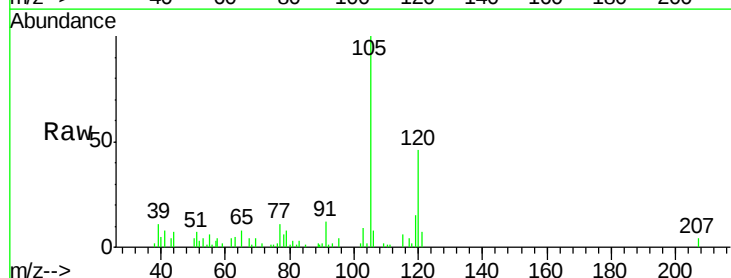
Acq: 24 Jan 2020 17:46

Tgt Ion:105 Resp: 7835

Ion Ratio Lower Upper

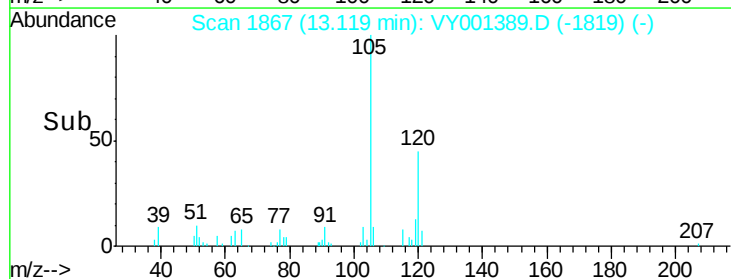
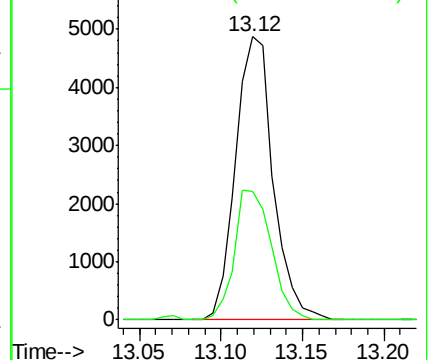
105 100

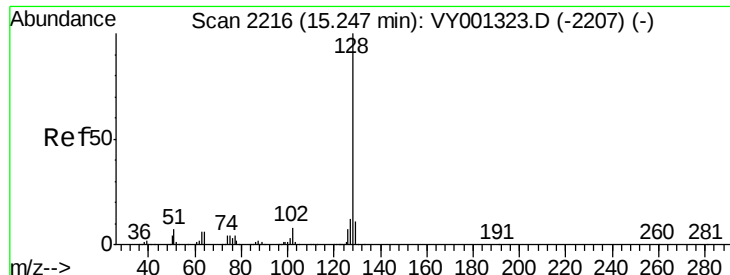
120 45.0 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 22.819 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.01 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA\_Y

ClientSampleId :

CTY-SB-03-10-11

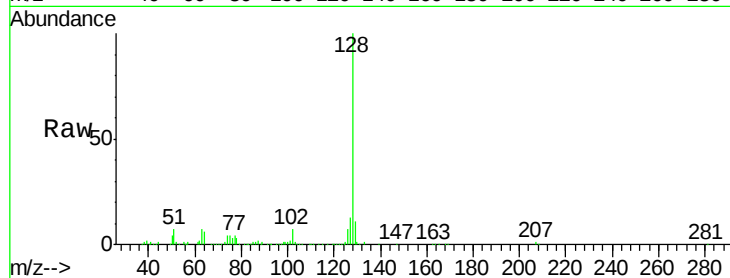
Tot Ion:128 Resp: 109616

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

