

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\  
 Data File : VY001678.D  
 Acq On : 18 Feb 2020 17:56  
 Operator : SY/MD  
 Sample : L1547-10  
 Misc : 5.44G/5ML/MSVOA Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MARCY-GREEN-BH-02-A

Quant Time: Feb 19 06:47:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 17 12:19:53 2020  
 Response via : Initial Calibration

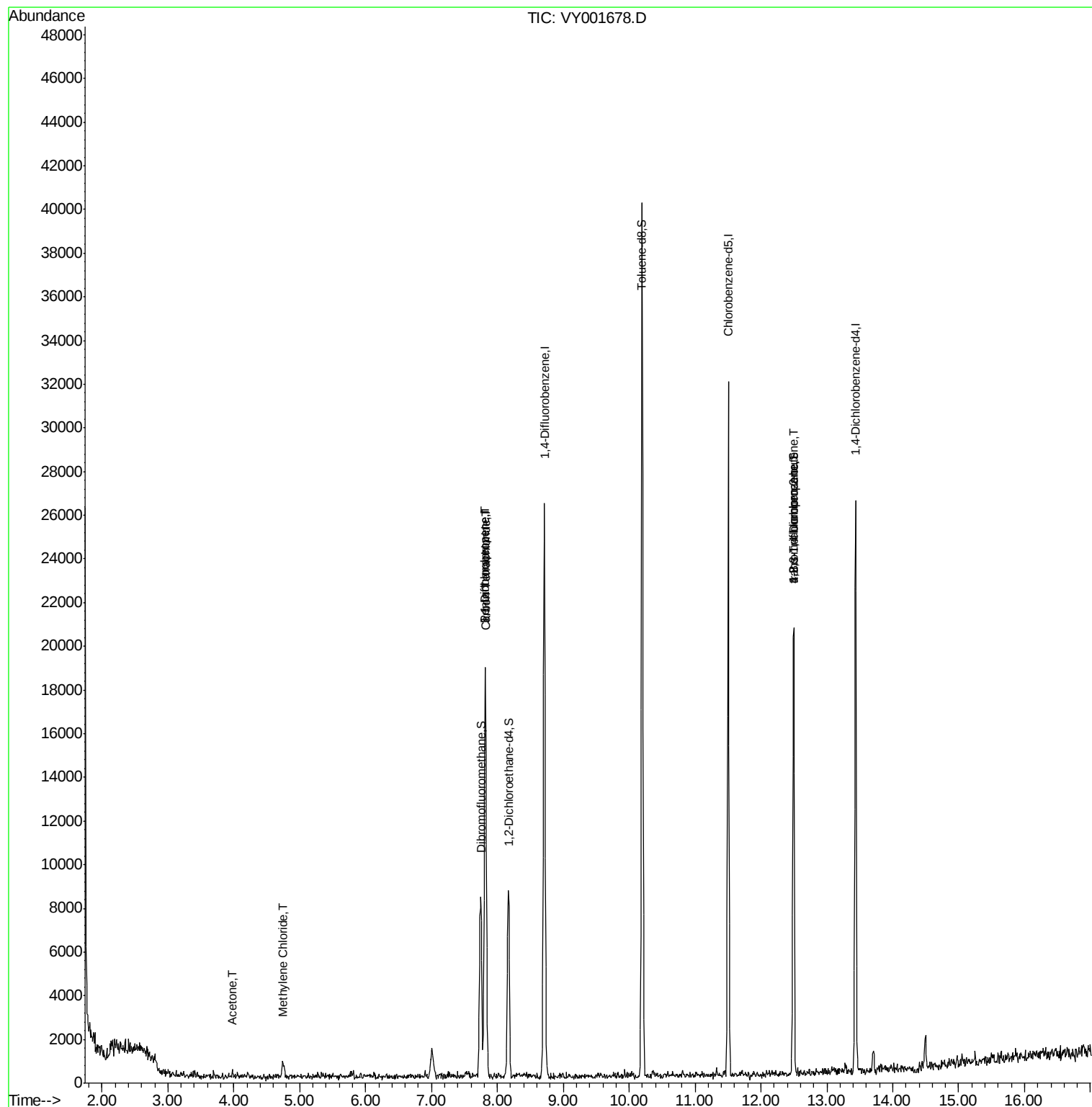
| Internal Standards             | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 7.82   | 168  | 14757    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.71   | 114  | 22963    | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.50  | 117  | 16581    | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.44  | 152  | 6272     | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.17   | 65   | 6049     | 38.11  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 76.22%  |          |
| 35) Dibromofluoromethane       | 7.75   | 113  | 6173     | 46.94  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 93.88%  |          |
| 50) Toluene-d8                 | 10.19  | 98   | 26012    | 50.48  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 100.96% |          |
| 62) 4-Bromofluorobenzene       | 12.50  | 95   | 6631     | 33.13  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 66.26%  |          |
| Target Compounds               |        |      |          |        |         |          |
|                                |        |      |          |        | Qvalue  |          |
| 16) Acetone                    | 3.98   | 43   | 184      | 3.350  | ug/l #  | 65       |
| 20) Methylene Chloride         | 4.74   | 84   | 448      | 2.296  | ug/l #  | 74       |
| 36) 1,1-Dichloropropene        | 7.82   | 75   | 1276     | 5.817  | ug/l #  | 42       |
| 38) Carbon Tetrachloride       | 7.83   | 117  | 1404     | 7.287  | ug/l #  | 13       |
| 76) 1,2,3-Trichloropropane     | 12.49  | 75   | 3310     | 46.005 | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.49  | 75   | 3310     | 87.280 | ug/l #  | 17       |

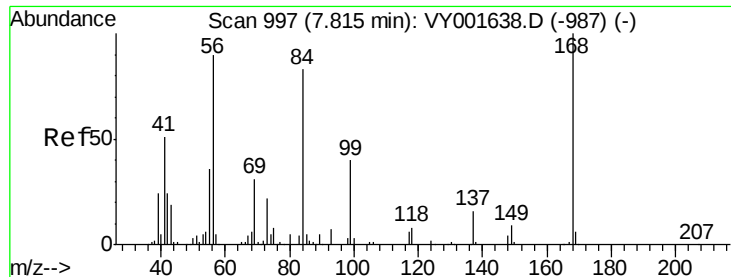
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021820\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001678.D

Acq: 18 Feb 2020 17:56

Instrument :

MSVOA\_Y

ClientSampleId :

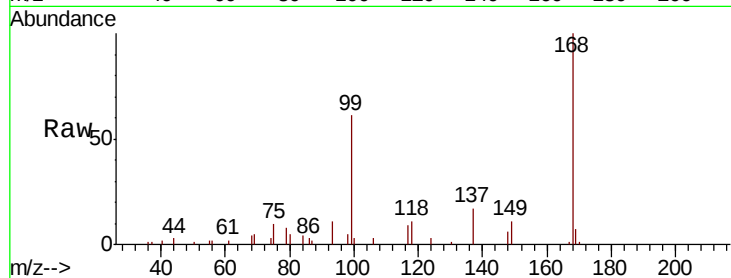
MARCY-GREEN-BH-02-A

Tot Ion:168 Resp: 14757

Ion Ratio Lower Upper

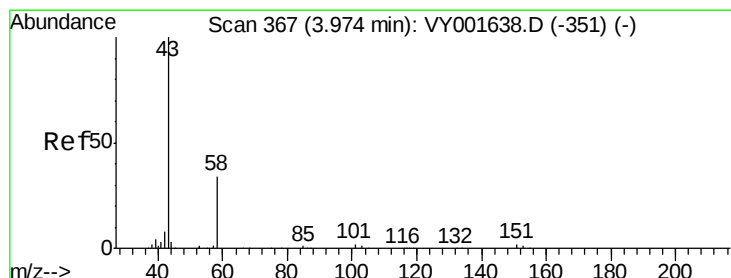
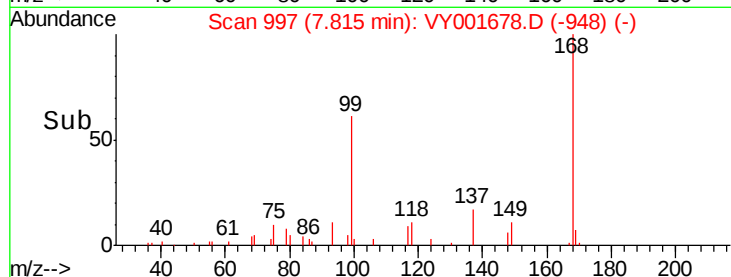
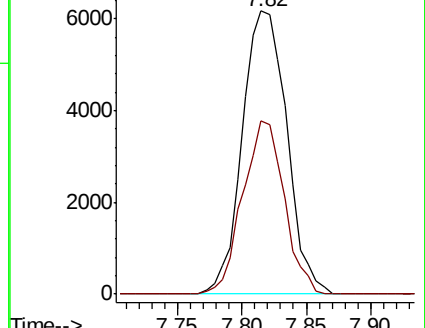
168 100

99 61.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#16

Acetone

Concen: 3.350 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001678.D

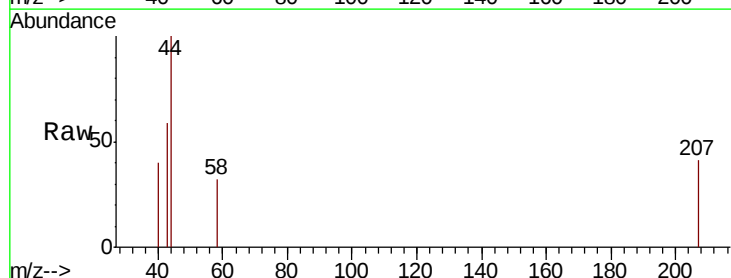
Acq: 18 Feb 2020 17:56

Tgt Ion: 43 Resp: 184

Ion Ratio Lower Upper

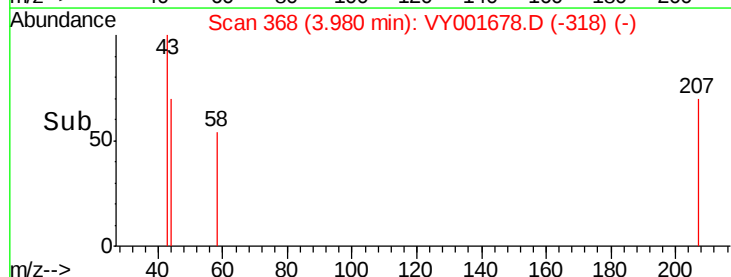
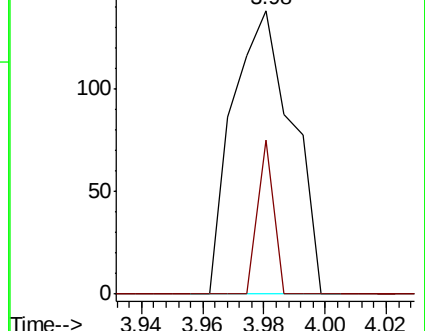
43 100

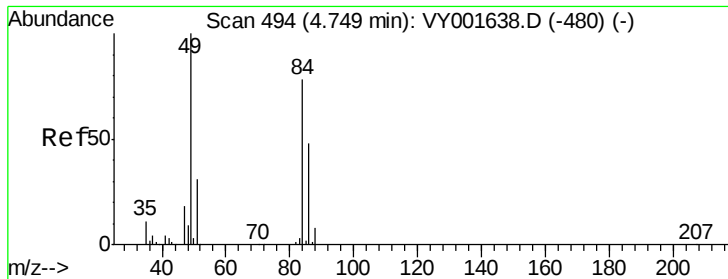
58 54.3 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-351) (-)

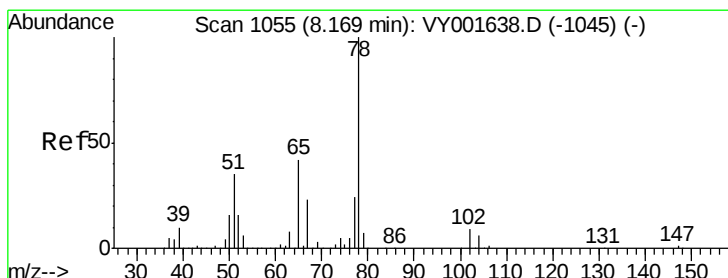
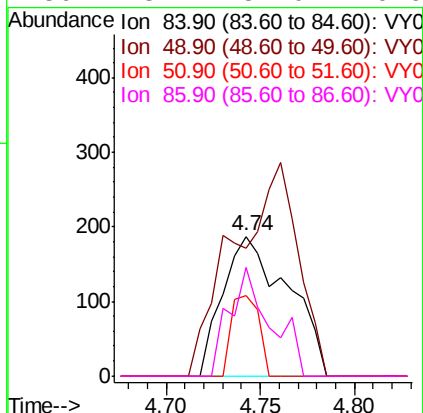
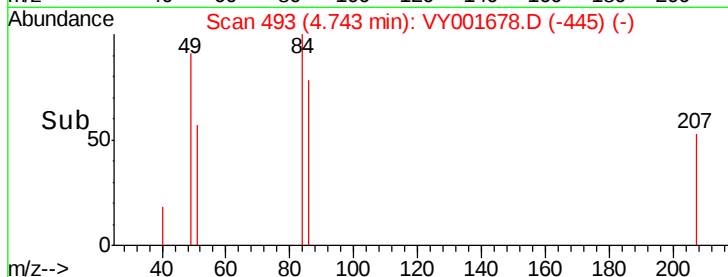
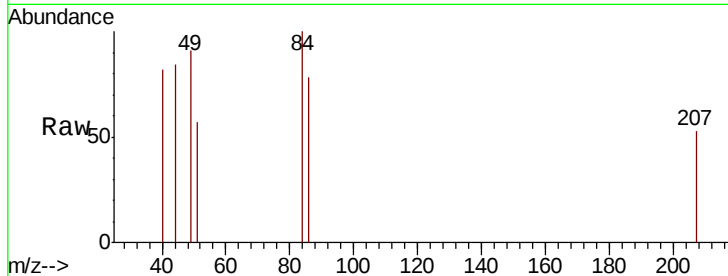




#20  
Methvlene Chloride  
Concen: 2.296 ug/l  
RT: 4.74 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VY001678.D  
Acq: 18 Feb 2020 17:56

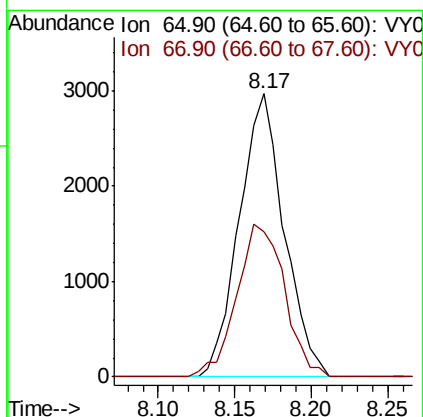
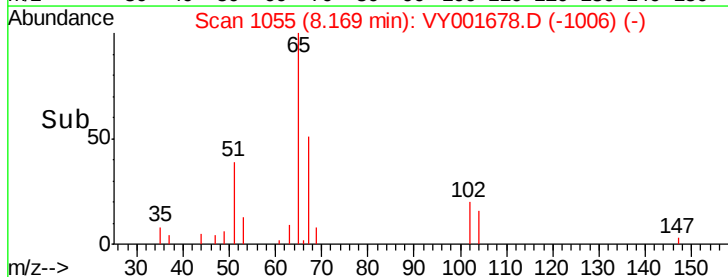
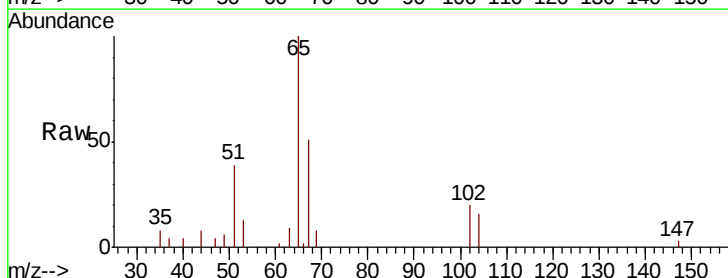
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MARCY-GREEN-BH-02-A

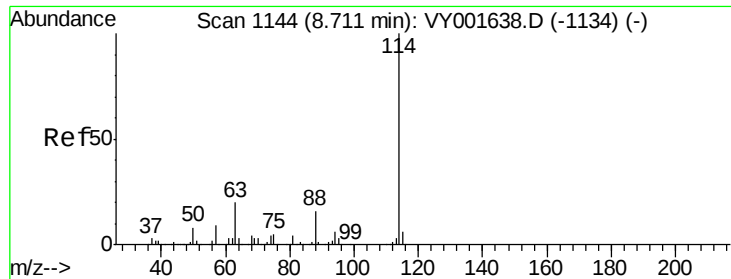
Tot Ion: 84 Resp: 448  
Ion Ratio Lower Upper  
84 100  
49 91.4 99.2 148.8#  
51 57.2 31.5 47.3#  
86 78.1 51.0 76.6#



#33  
1,2-Dichloroethane-d4  
Concen: 38.108 ug/l  
RT: 8.17 min Scan# 1055  
Delta R.T. -0.00 min  
Lab File: VY001678.D  
Acq: 18 Feb 2020 17:56

Tgt Ion: 65 Resp: 6049  
Ion Ratio Lower Upper  
65 100  
67 57.4 0.0 111.0

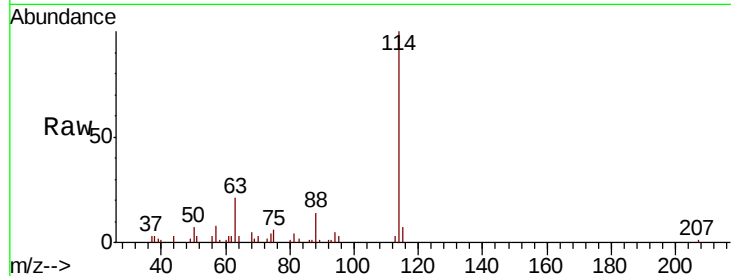




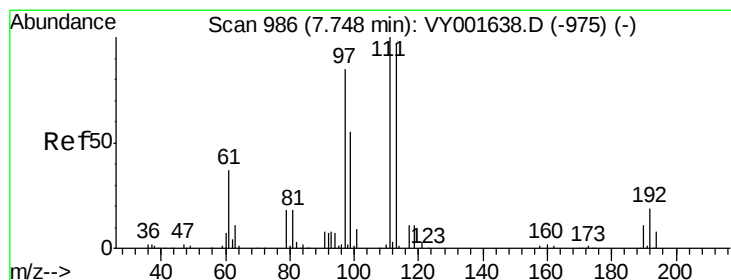
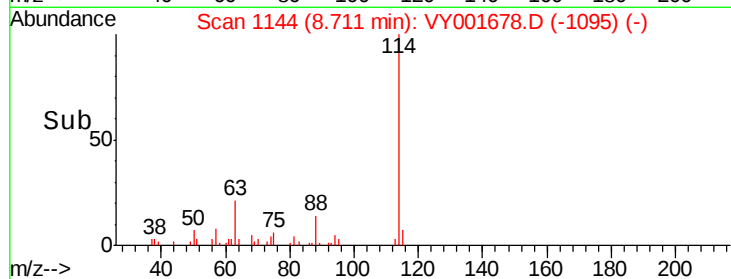
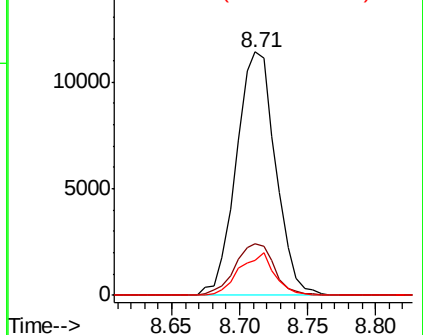
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. -0.00 min  
 Lab File: VY001678.D  
 Acq: 18 Feb 2020 17:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MARCY-GREEN-BH-02-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 0.0   | 41.4  |
| 88      | 14.3  | 0.0   | 32.8  |

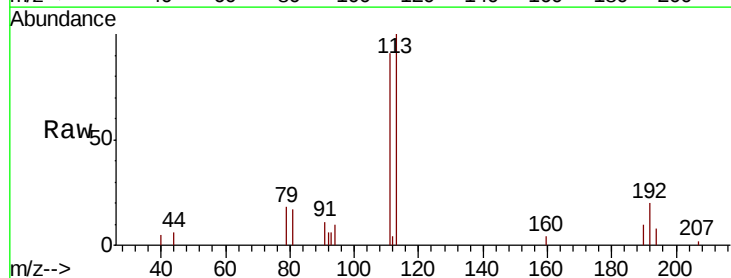


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

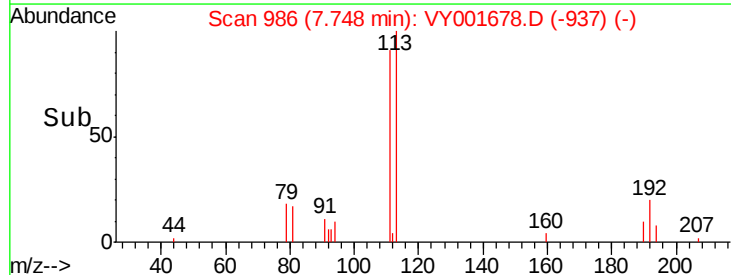
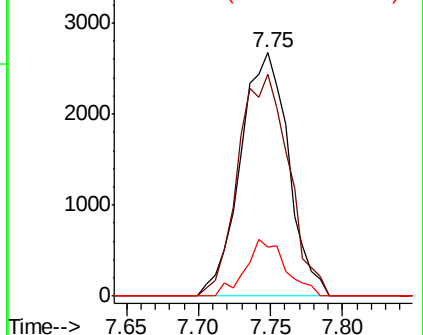


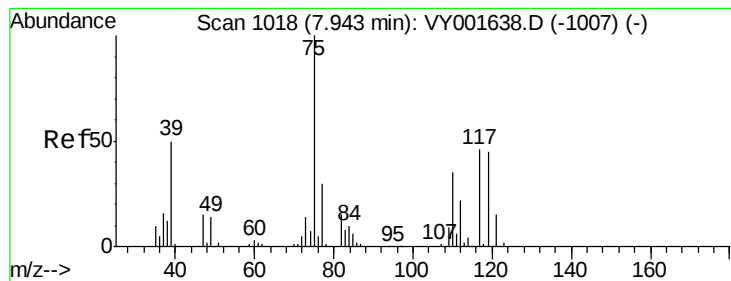
#35  
 Dibromofluoromethane  
 Concen: 46.935 ug/l  
 RT: 7.75 min Scan# 986  
 Delta R.T. -0.00 min  
 Lab File: VY001678.D  
 Acq: 18 Feb 2020 17:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 96.0  | 81.9  | 122.9 |
| 192     | 19.3  | 14.3  | 21.5  |



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





#36

1,1-Dichloropropene

Concen: 5.817 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001678.D

Acq: 18 Feb 2020 17:56

Instrument :

MSVOA\_Y

ClientSampleId :

MARCY-GREEN-BH-02-A

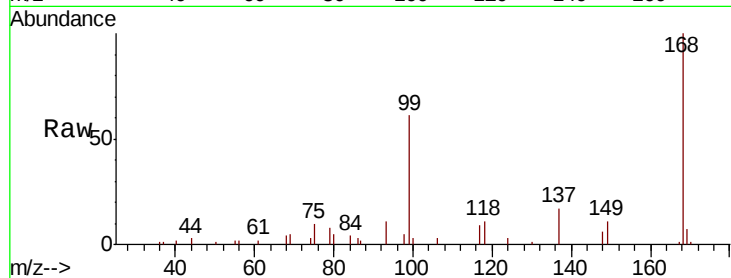
Tot Ion: 75 Resp: 1276

Ion Ratio Lower Upper

75 100

110 0.0 17.2 51.6#

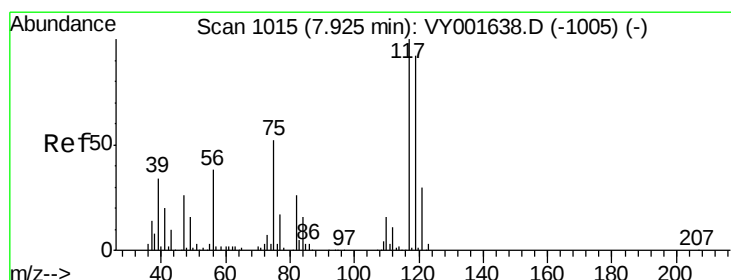
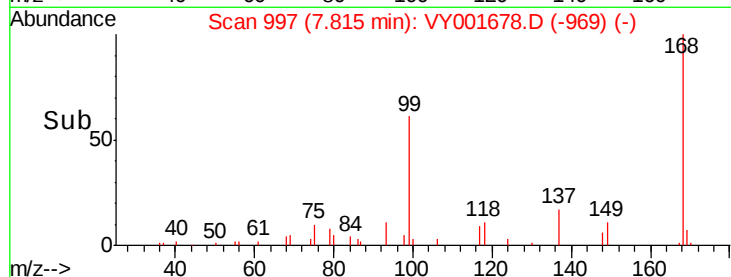
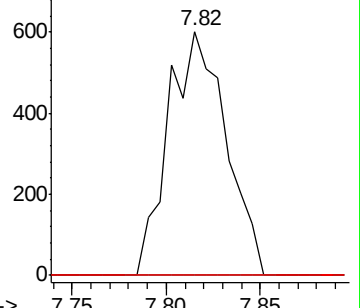
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY001678.D (-969) (-)

Ion 109.90 (109.60 to 110.60): VY001678.D (-969) (-)

Ion 76.90 (76.60 to 77.60): VY001678.D (-969) (-)



#38

Carbon Tetrachloride

Concen: 7.287 ug/l

RT: 7.83 min Scan# 999

Delta R.T. -0.10 min

Lab File: VY001678.D

Acq: 18 Feb 2020 17:56

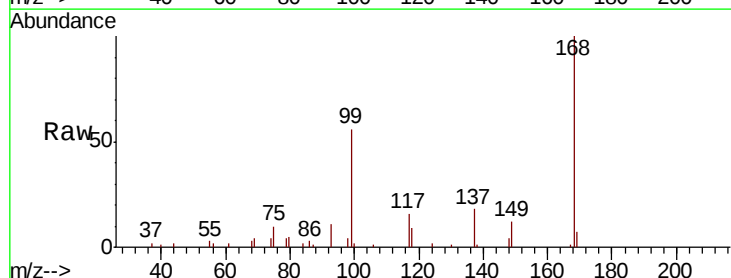
Tgt Ion: 117 Resp: 1404

Ion Ratio Lower Upper

117 100

119 0.0 74.8 112.2#

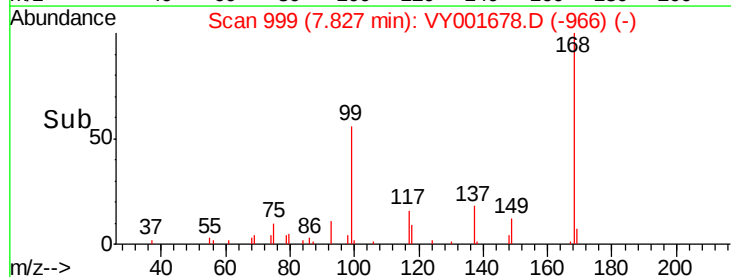
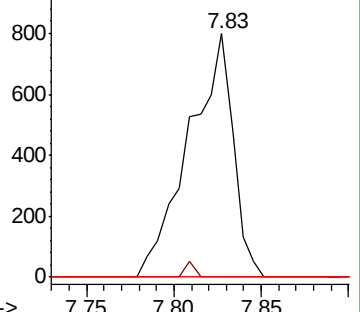
121 0.0 23.8 35.6#

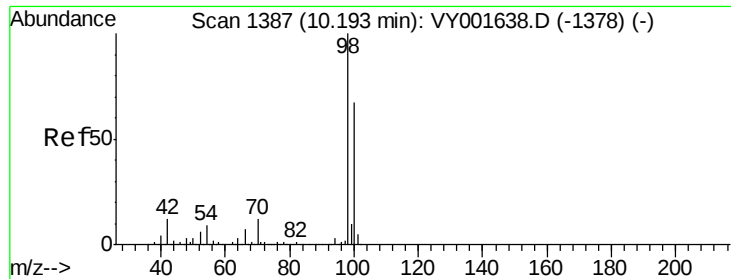


Abundance Ion 116.80 (116.50 to 117.50): VY001678.D (-966) (-)

Ion 118.80 (118.50 to 119.50): VY001678.D (-966) (-)

Ion 120.80 (120.50 to 121.50): VY001678.D (-966) (-)





#50

Toluene-d8

Concen: 50.483 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VY001678.D

Acq: 18 Feb 2020 17:56

Instrument :

MSVOA\_Y

ClientSampleId :

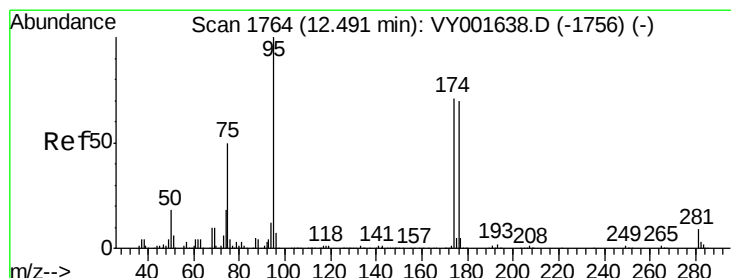
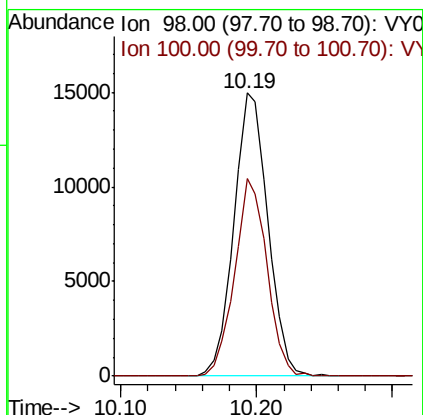
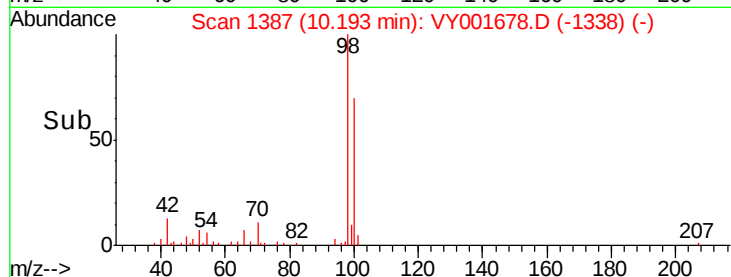
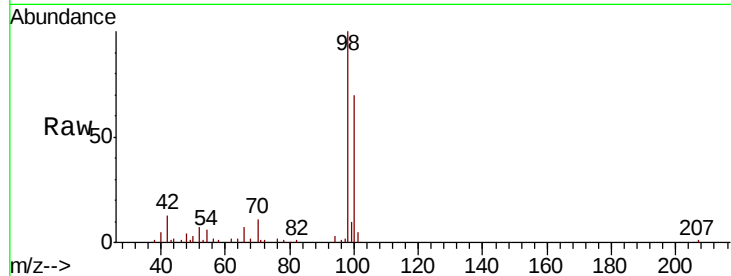
MARCY-GREEN-BH-02-A

Tot Ion: 98 Resp: 26012

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 33.126 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001678.D

Acq: 18 Feb 2020 17:56

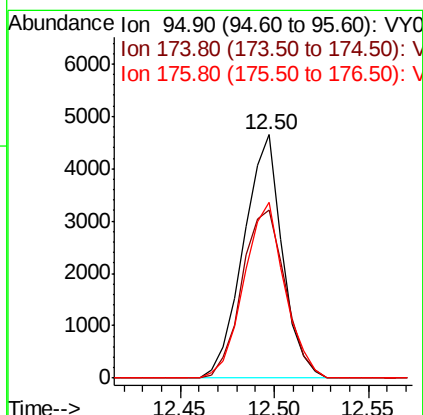
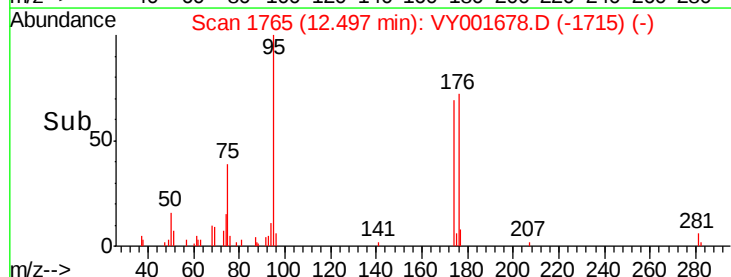
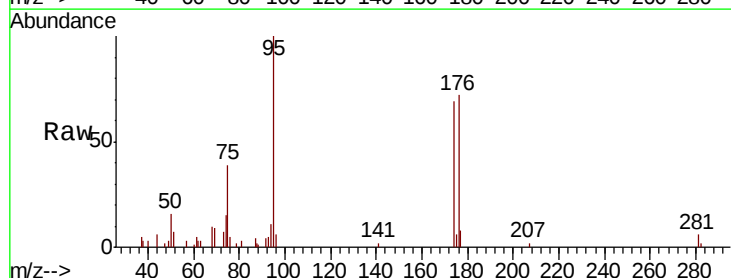
Tgt Ion: 95 Resp: 6631

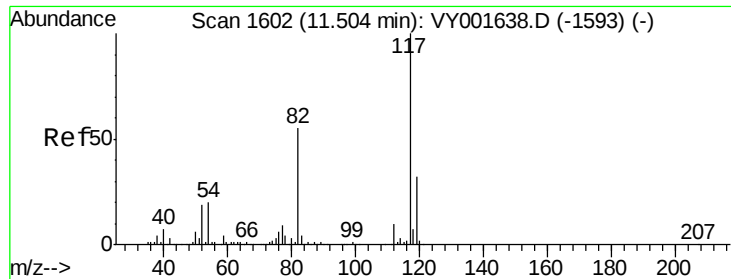
Ion Ratio Lower Upper

95 100

174 77.3 0.0 138.4

176 75.6 0.0 131.8

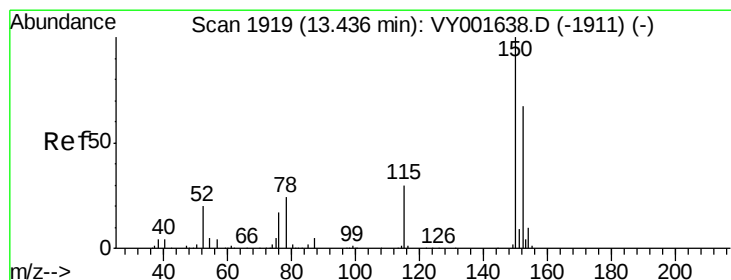
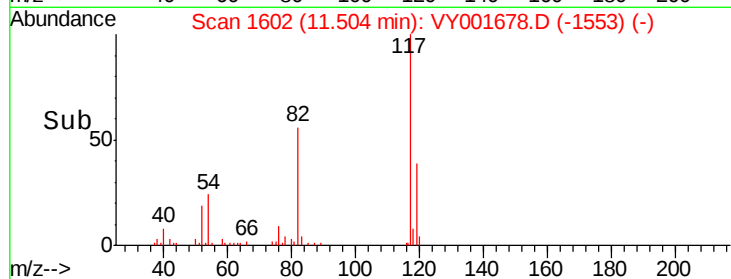
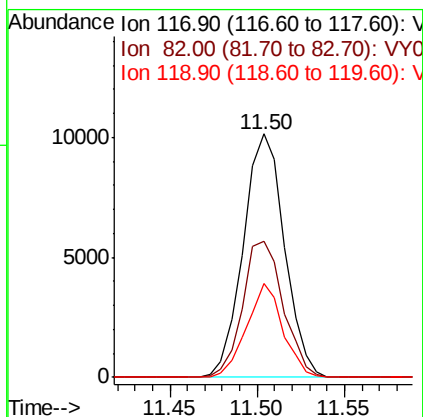
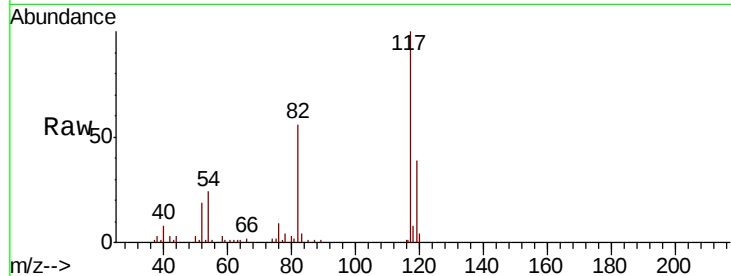




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1602  
Delta R.T. -0.00 min  
Lab File: VY001678.D  
Acq: 18 Feb 2020 17:56

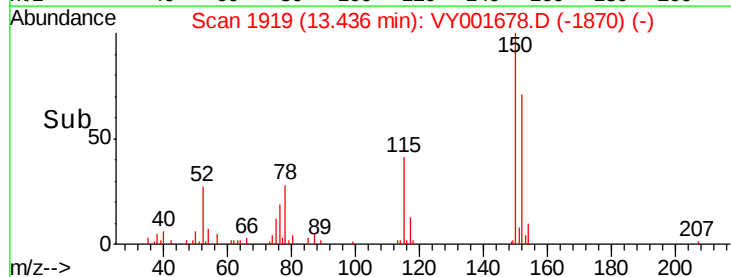
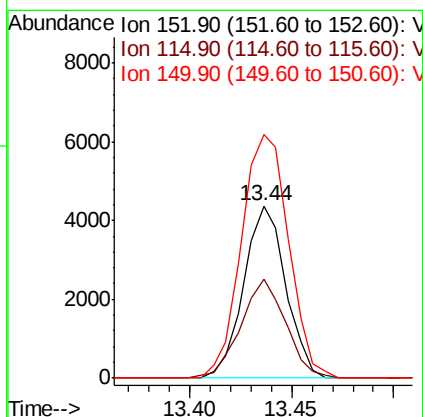
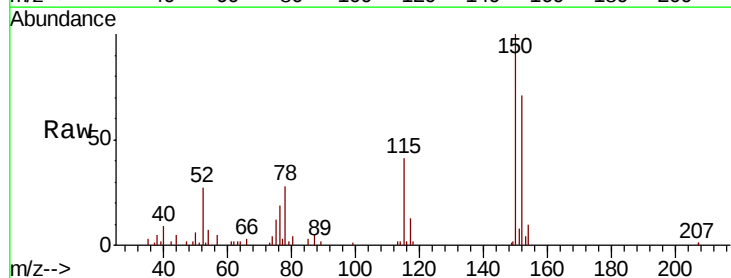
Instrument :  
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MARCY-GREEN-BH-02-A

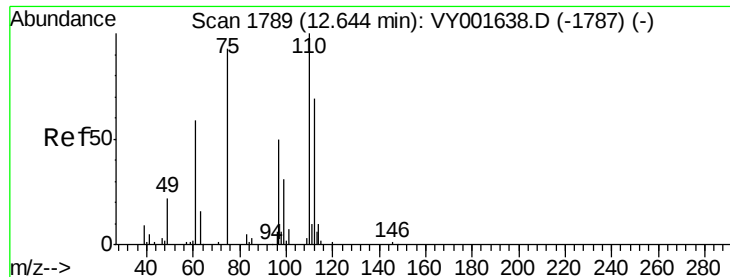
Tot Ion:117 Resp: 16581  
Ion Ratio Lower Upper  
117 100  
82 55.7 45.5 68.3  
119 38.6 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. -0.00 min  
Lab File: VY001678.D  
Acq: 18 Feb 2020 17:56

Tgt Ion:152 Resp: 6272  
Ion Ratio Lower Upper  
152 100  
115 61.2 31.4 94.2  
150 158.4 0.0 407.2

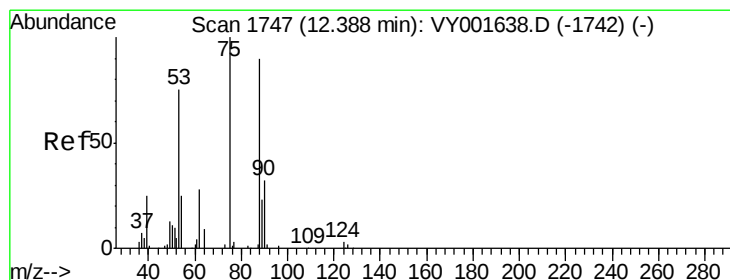
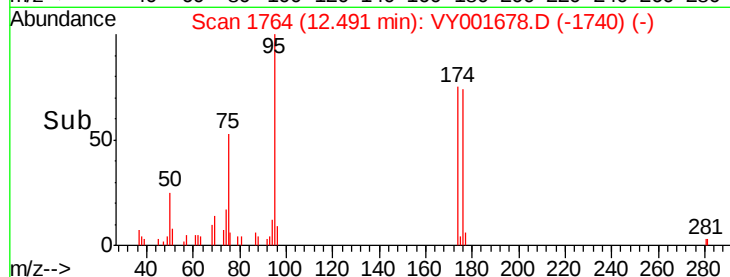
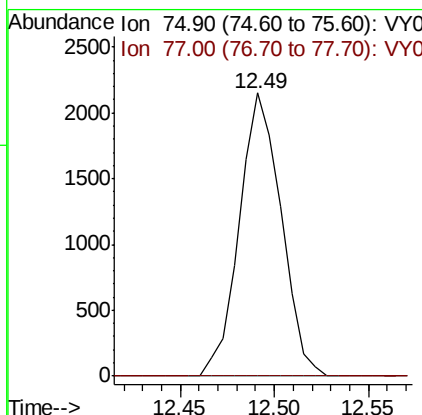
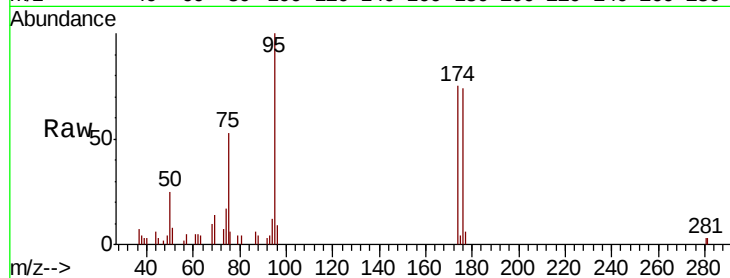




#76  
 1,2,3-Trichloropropane  
 Concen: 46.005 ug/l  
 RT: 12.49 min Scan# 1764  
 Delta R.T. -0.15 min  
 Lab File: VY001678.D  
 Acq: 18 Feb 2020 17:56

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MARCY-GREEN-BH-02-A

Tot Ion: 75 Resp: 3310  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 87.280 ug/l  
 RT: 12.49 min Scan# 1764  
 Delta R.T. 0.10 min  
 Lab File: VY001678.D  
 Acq: 18 Feb 2020 17:56

Tgt Ion: 75 Resp: 3310  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 64.5 96.7#  
 89 0.0 36.3 54.5#

