

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102618\  
 Data File : VV008430.D  
 Acq On : 26 Oct 2018 14:03  
 Operator : SY/MD  
 Sample : J5669-05  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETBX5

Quant Time: Oct 27 05:18:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 27 04:42:32 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 194332   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 172801   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 71307    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 53177    | 49.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 98.84%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 39111    | 50.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.68% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 70822    | 36.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.88%  |
| 21) 2-Butanone-d5              | 3.94    | 46    | 115169   | 98.49    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.49%  |
| 24) Chloroform-d               | 4.41    | 84    | 124614   | 46.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 87717    | 49.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.88%  |
| 32) Benzene-d6                 | 5.10    | 84    | 258517   | 52.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.00% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 87269    | 51.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.12% |
| 41) Toluene-d8                 | 7.36    | 98    | 232448   | 51.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.98% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 42153    | 50.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 101.52% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 87224    | 97.73    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.73%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 115693   | 49.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.96%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 76815    | 52.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.32% |

## Target Compounds

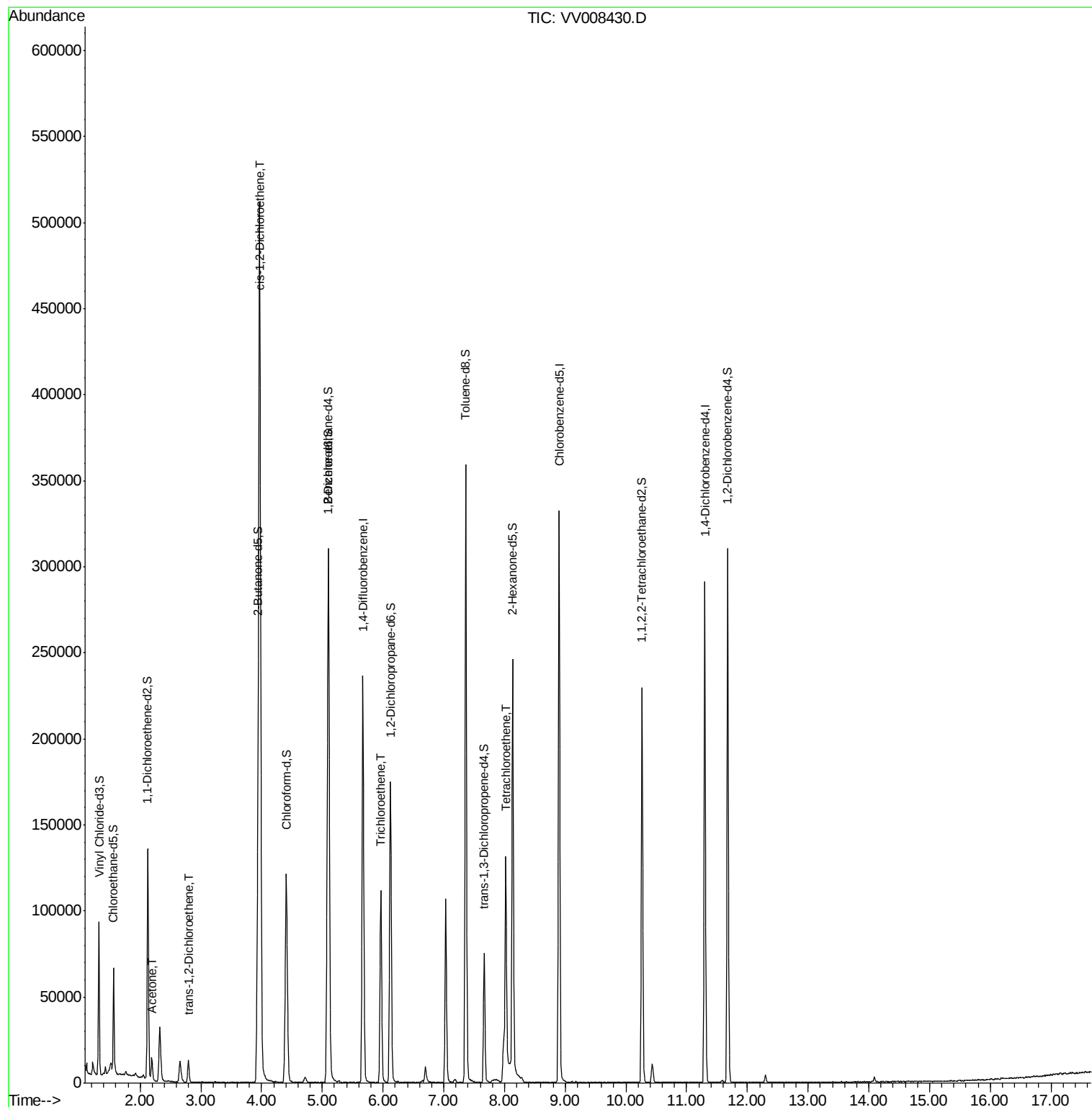
|                              |      |     |        |         | Ovalue   |
|------------------------------|------|-----|--------|---------|----------|
| 13) Acetone                  | 2.19 | 43  | 10580  | 11.658  | ug/L 100 |
| 17) trans-1,2-Dichloroethene | 2.79 | 96  | 4382   | 3.297   | ug/L 99  |
| 20) cis-1,2-Dichloroethene   | 3.97 | 96  | 269061 | 177.689 | ug/L 95  |
| 34) Trichloroethene          | 5.96 | 95  | 40511  | 28.013  | ug/L 97  |
| 46) Tetrachloroethene        | 8.02 | 164 | 25623  | 27.179  | ug/L 98  |

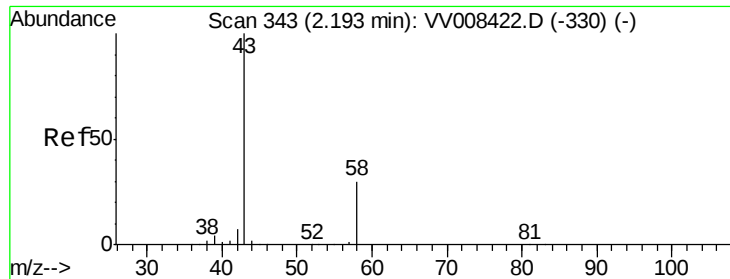
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 11.658 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008430.D

Acq: 26 Oct 2018 14:03

Instrument :

MSVOA\_V

ClientSampleId :

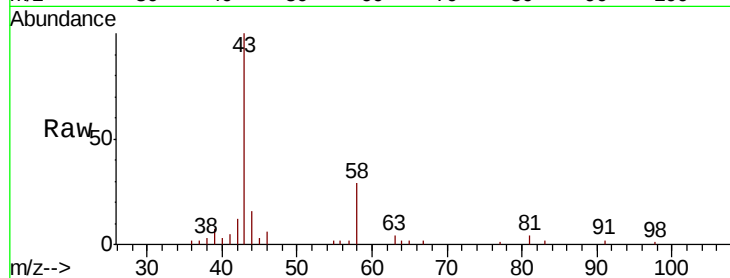
ETBX5

Tot Ion: 43 Resp: 10580

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008422.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV008422.D (-330) (-)

2.19

8000

6000

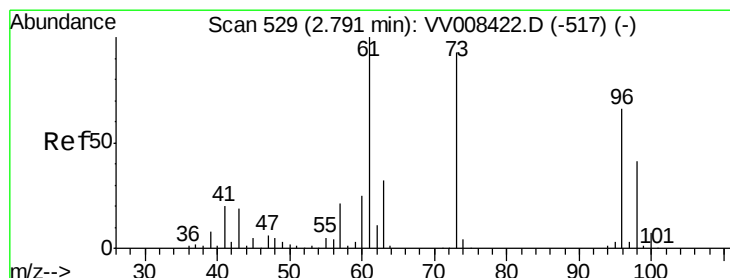
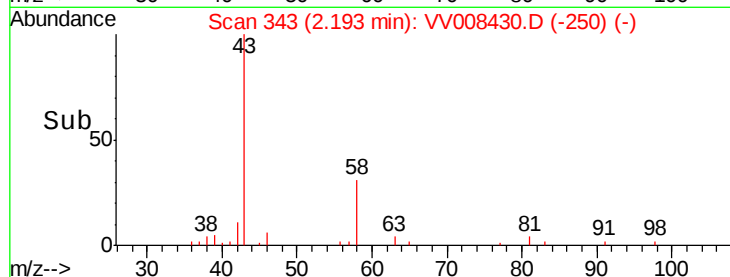
4000

2000

0

2.15 2.20 2.25

Time-->



#17

trans-1,2-Dichloroethene

Concen: 3.297 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008430.D

Acq: 26 Oct 2018 14:03

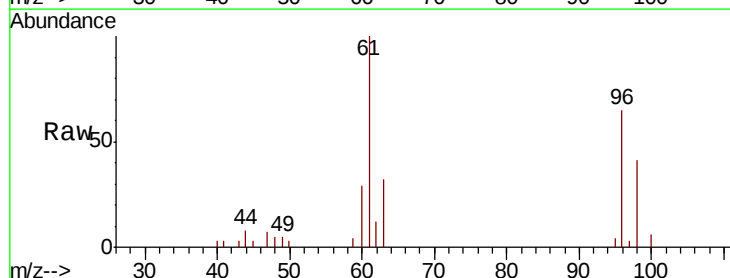
Tgt Ion: 96 Resp: 4382

Ion Ratio Lower Upper

96 100

61 154.2 108.6 201.6

98 62.5 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008422.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV008422.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV008422.D (-517) (-)

2.79

5000

4000

3000

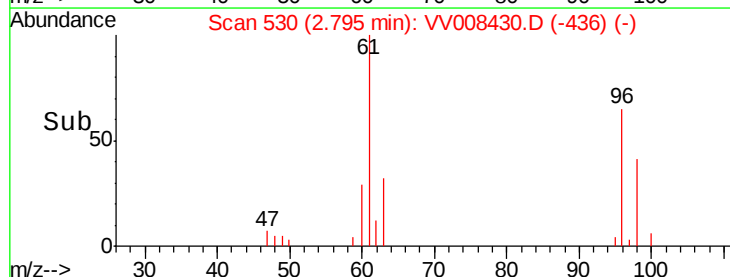
2000

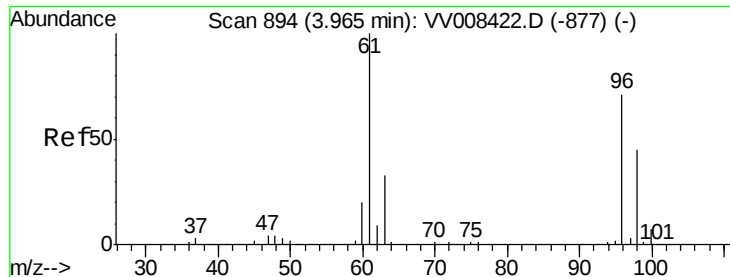
1000

0

2.75 2.80 2.85

Time-->

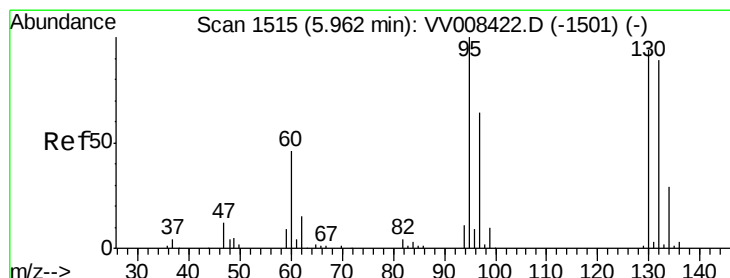
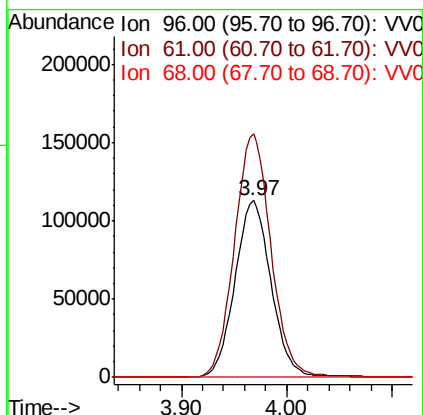
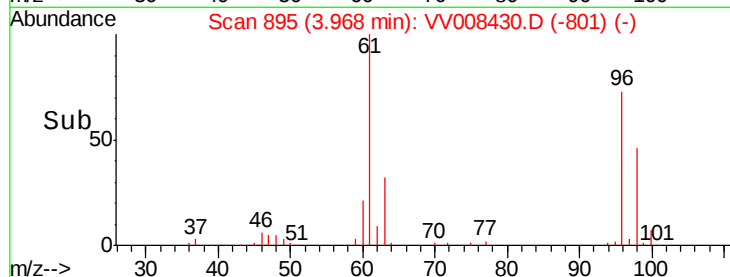
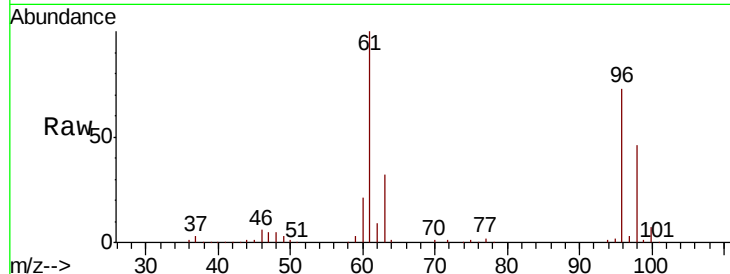




#20  
 cis-1,2-Dichloroethene  
 Concen: 177.689 ug/L  
 RT: 3.97 min Scan# 895  
 Delta R.T. 0.00 min  
 Lab File: VV008430.D  
 Acq: 26 Oct 2018 14:03

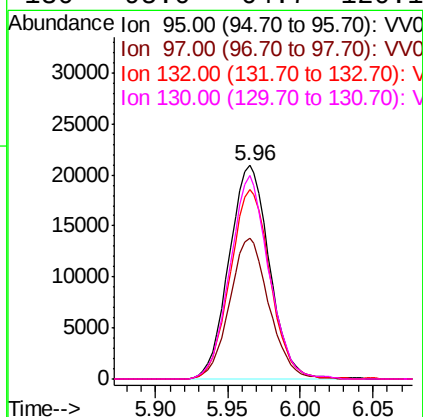
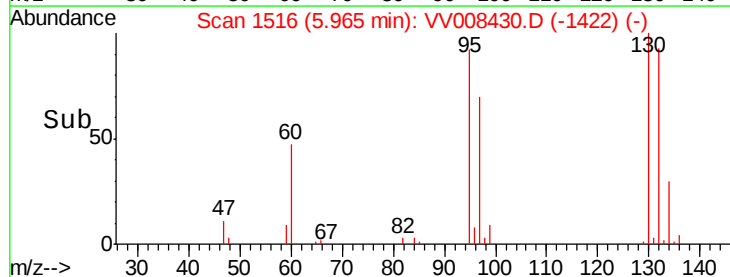
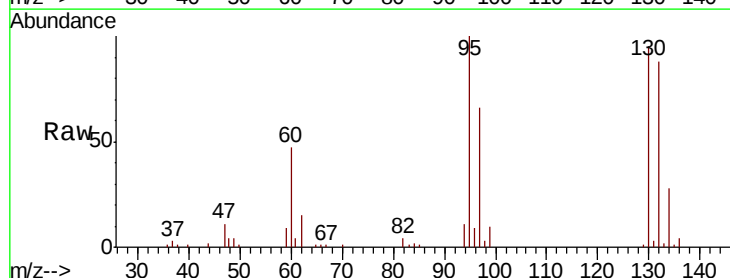
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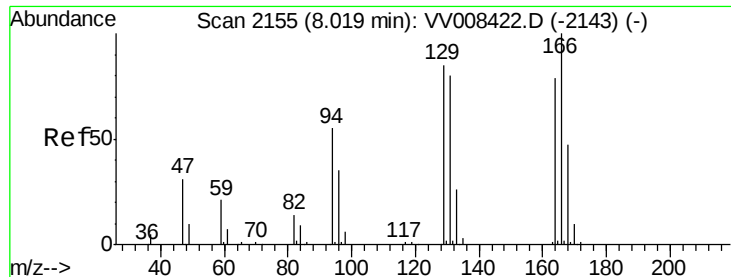
Tot Ion: 96 Resp: 269061  
 Ion Ratio Lower Upper  
 96 100  
 61 137.9 100.9 187.5  
 68 0.0 0.0 0.0



#34  
 Trichloroethene  
 Concen: 28.013 ug/L  
 RT: 5.96 min Scan# 1516  
 Delta R.T. 0.00 min  
 Lab File: VV008430.D  
 Acq: 26 Oct 2018 14:03

Tgt Ion: 95 Resp: 40511  
 Ion Ratio Lower Upper  
 95 100  
 97 66.1 45.2 84.0  
 132 88.5 63.8 118.6  
 130 95.0 64.7 120.1





#46

Tetrachloroethene

Concen: 27.179 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008430.D

Acq: 26 Oct 2018 14:03

Instrument :

MSVOA\_V

ClientSampleId :

ETBX5

Tot Ion:164 Resp: 25623

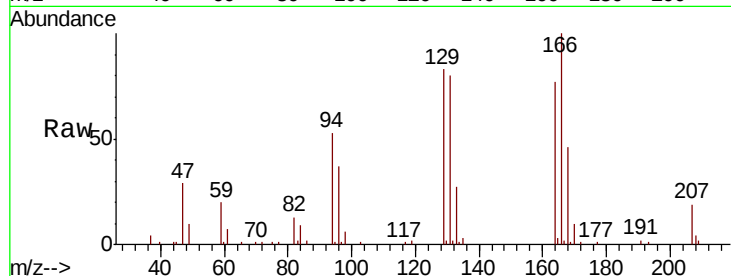
Ion Ratio Lower Upper

164 100

129 108.7 75.0 139.2

131 103.7 71.3 132.3

166 130.5 89.2 165.6



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

