

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\  
 Data File : VV016044.D  
 Acq On : 13 May 2020 16:29  
 Operator : SY/MD  
 Sample : L2542-22  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H4227

Quant Time: May 14 04:40:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 14 02:25:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 149421   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 149853   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 66852    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 46403    | 5.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 114.40% |
| 7) Chloroethane-d5             | 1.58   | 69    | 43645    | 5.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 113.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 69049    | 3.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.20%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 120156   | 51.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.92% |
| 24) Chloroform-d               | 4.38   | 84    | 92949    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.00% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 51452    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.40% |
| 32) Benzene-d6                 | 5.08   | 84    | 179638   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.80% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 55264    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.60% |
| 41) Toluene-d8                 | 7.34   | 98    | 160651   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 45) trans-1,3-Dichloropropene- | 7.65   | 79    | 17368    | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.40%  |
| 48) 2-Hexanone-d5              | 8.12   | 63    | 91408    | 48.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.42%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 38626    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.00% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 57241    | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.60% |

## Target Compounds

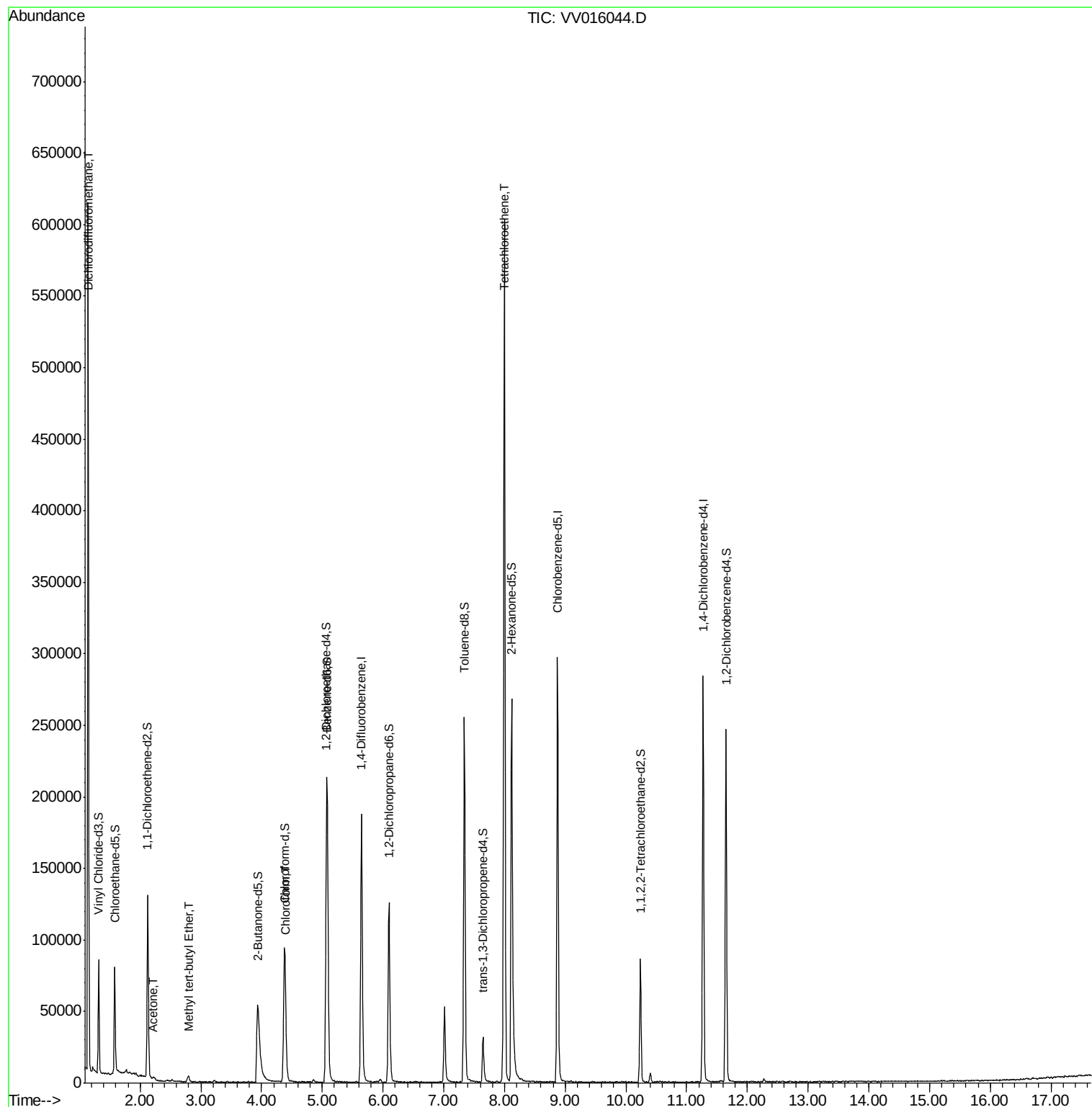
|                             |      |     |        |             | Ovalue |
|-----------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane  | 1.14 | 85  | 6418   | 0.561 ug/L  | 95     |
| 13) Acetone                 | 2.22 | 43  | 3328   | 2.182 ug/L  | 67     |
| 17) Methyl tert-butyl Ether | 2.79 | 73  | 3937   | 0.184 ug/L  | 94     |
| 25) Chloroform              | 4.40 | 83  | 4632   | 0.240 ug/L  | 98     |
| 49) Tetrachloroethene       | 8.00 | 164 | 121359 | 16.163 ug/L | 99     |

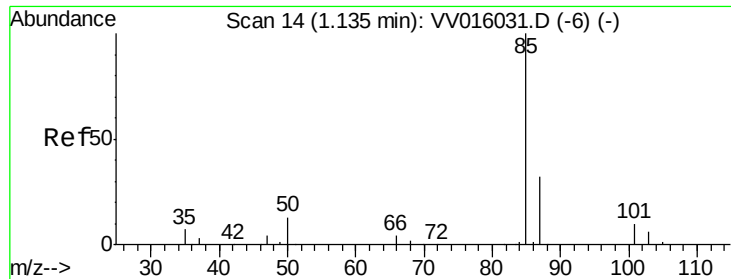
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.561 ug/L

RT: 1.14 min Scan# 17

Delta R.T. 0.01 min

Lab File: VV016044.D

Acq: 13 May 2020 16:29

Instrument :

MSVOA\_V

ClientSampleId :

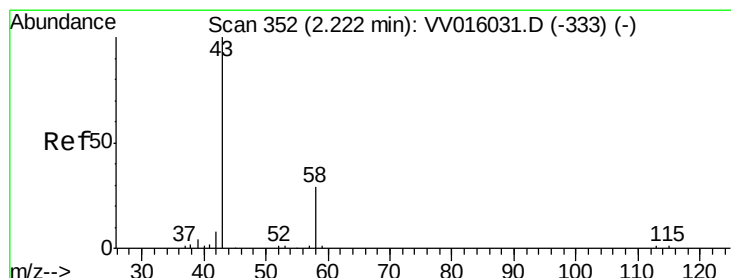
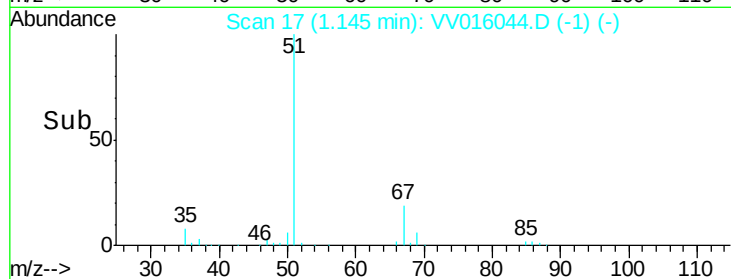
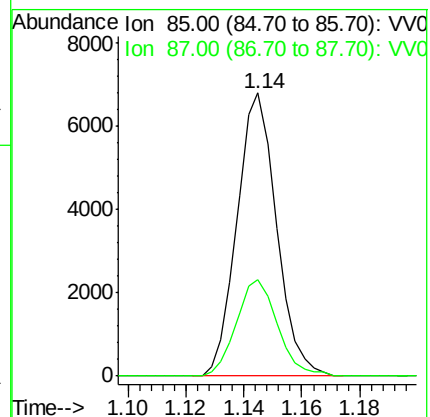
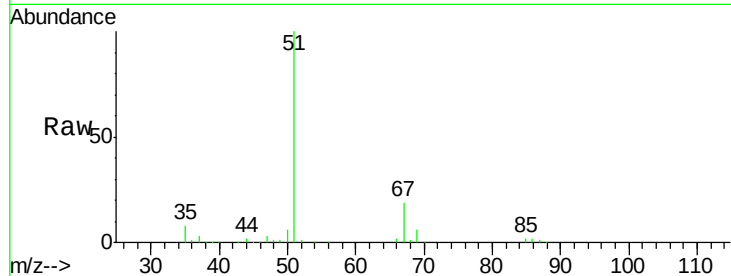
H4227

Tot Ion: 85 Resp: 6418

Ion Ratio Lower Upper

85 100

87 35.6 26.4 39.6



#13

Acetone

Concen: 2.182 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV016044.D

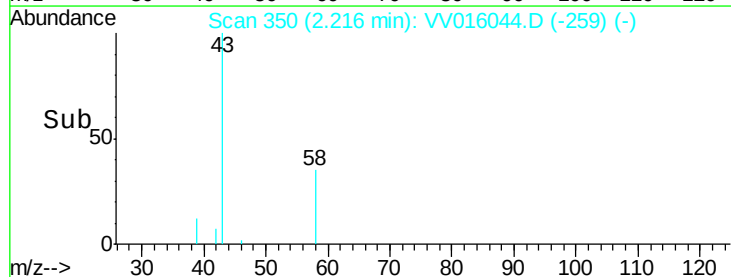
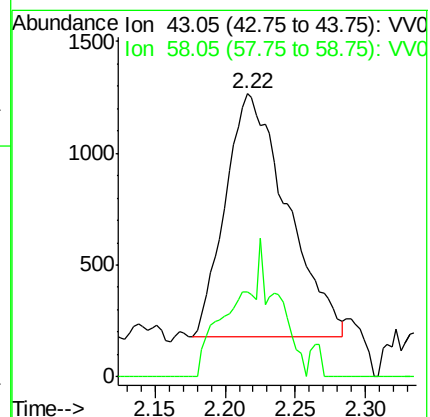
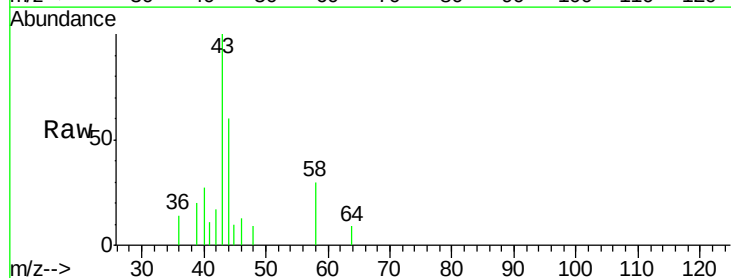
Acq: 13 May 2020 16:29

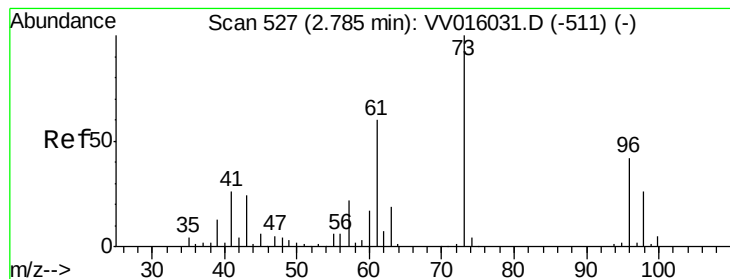
Tgt Ion: 43 Resp: 3328

Ion Ratio Lower Upper

43 100

58 29.1 0.0 30.8





#17

Methyl tert-butyl Ether

Concen: 0.184 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV016044.D

Acq: 13 May 2020 16:29

Instrument :

MSVOA\_V

ClientSampleID :

H4227

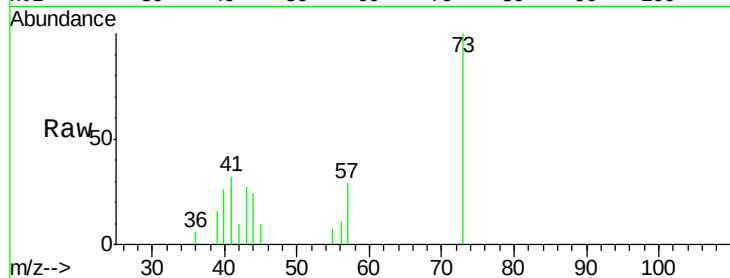
Tot Ion: 73 Resp: 3937

Ion Ratio Lower Upper

73 100

43 26.2 18.8 28.2

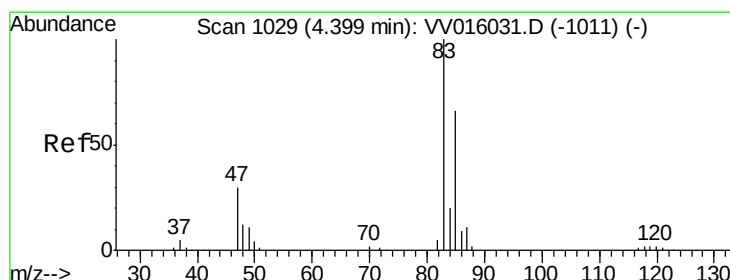
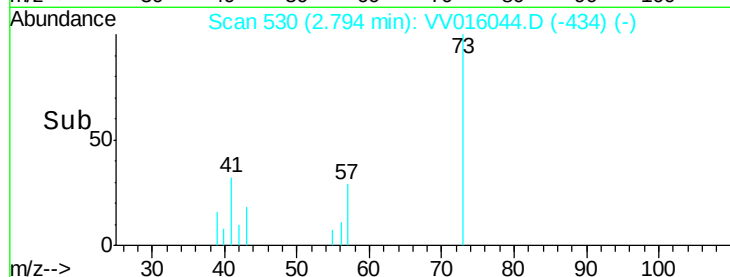
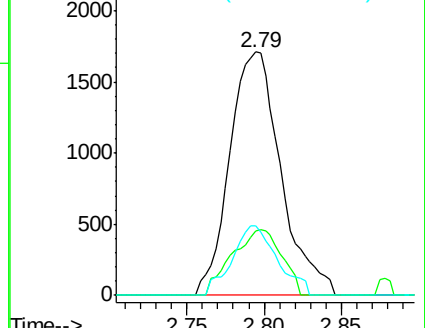
57 25.3 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV016044.D (-434) (-)

Ion 43.05 (42.75 to 43.75): VV016044.D (-434) (-)

Ion 57.10 (56.80 to 57.80): VV016044.D (-434) (-)



#25

Chloroform

Concen: 0.240 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016044.D

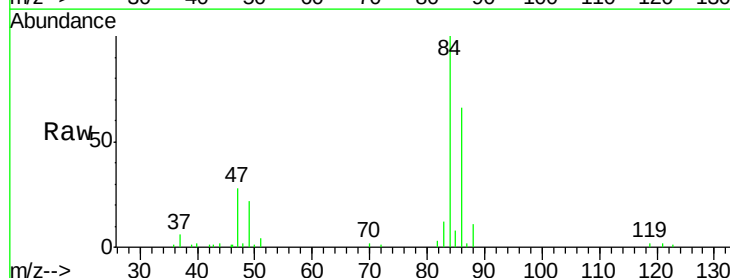
Acq: 13 May 2020 16:29

Tgt Ion: 83 Resp: 4632

Ion Ratio Lower Upper

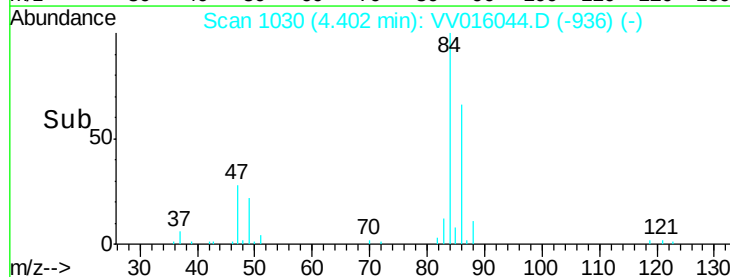
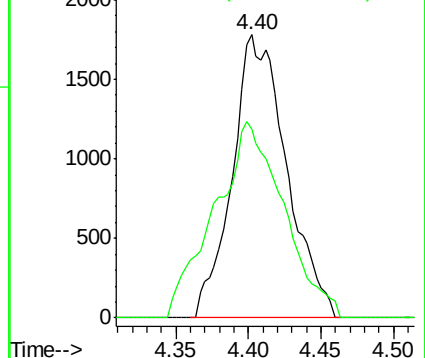
83 100

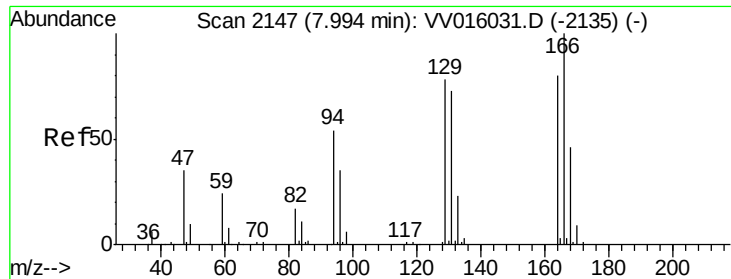
85 66.5 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV016044.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VV016044.D (-936) (-)





#49

Tetrachloroethene

Concen: 16.163 ug/L

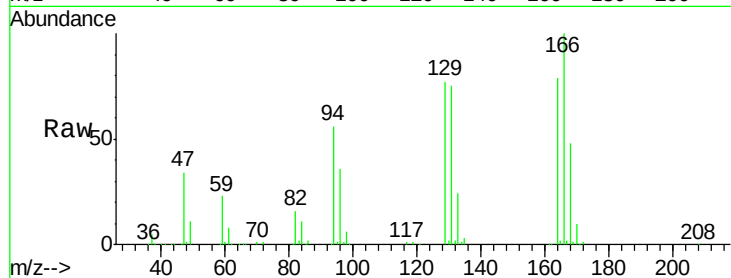
RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

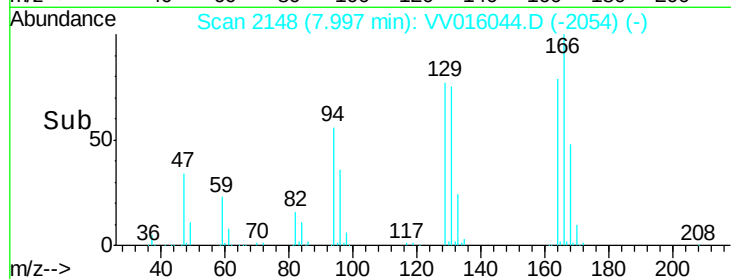
Lab File: VV016044.D

Acq: 13 May 2020 16:29

Instrument :  
MSVOA\_V  
ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 164   | Resp: | 121359 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 98.3  | 69.7  | 129.4  |
| 131      | 95.1  | 66.8  | 124.2  |
| 166      | 126.8 | 89.1  | 165.5  |



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

