

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043019\  
 Data File : VV010565.D  
 Acq On : 29 Apr 2019 23:09  
 Operator : SY/MD  
 Sample : K2590-04  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X91

Quant Time: Apr 30 07:36:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Apr 30 06:45:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 217632   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 217925   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 98024    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 48965    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.60%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 32554    | 5.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 115.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 67742    | 3.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.00%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 127007   | 46.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.04%  |
| 24) Chloroform-d               | 4.40   | 84    | 132837   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 68299    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 259222   | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 74875    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 240262   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.40%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 26536    | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.60%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 117141   | 47.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.70%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 57046    | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 111365   | 5.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 117.80% |

## Target Compounds

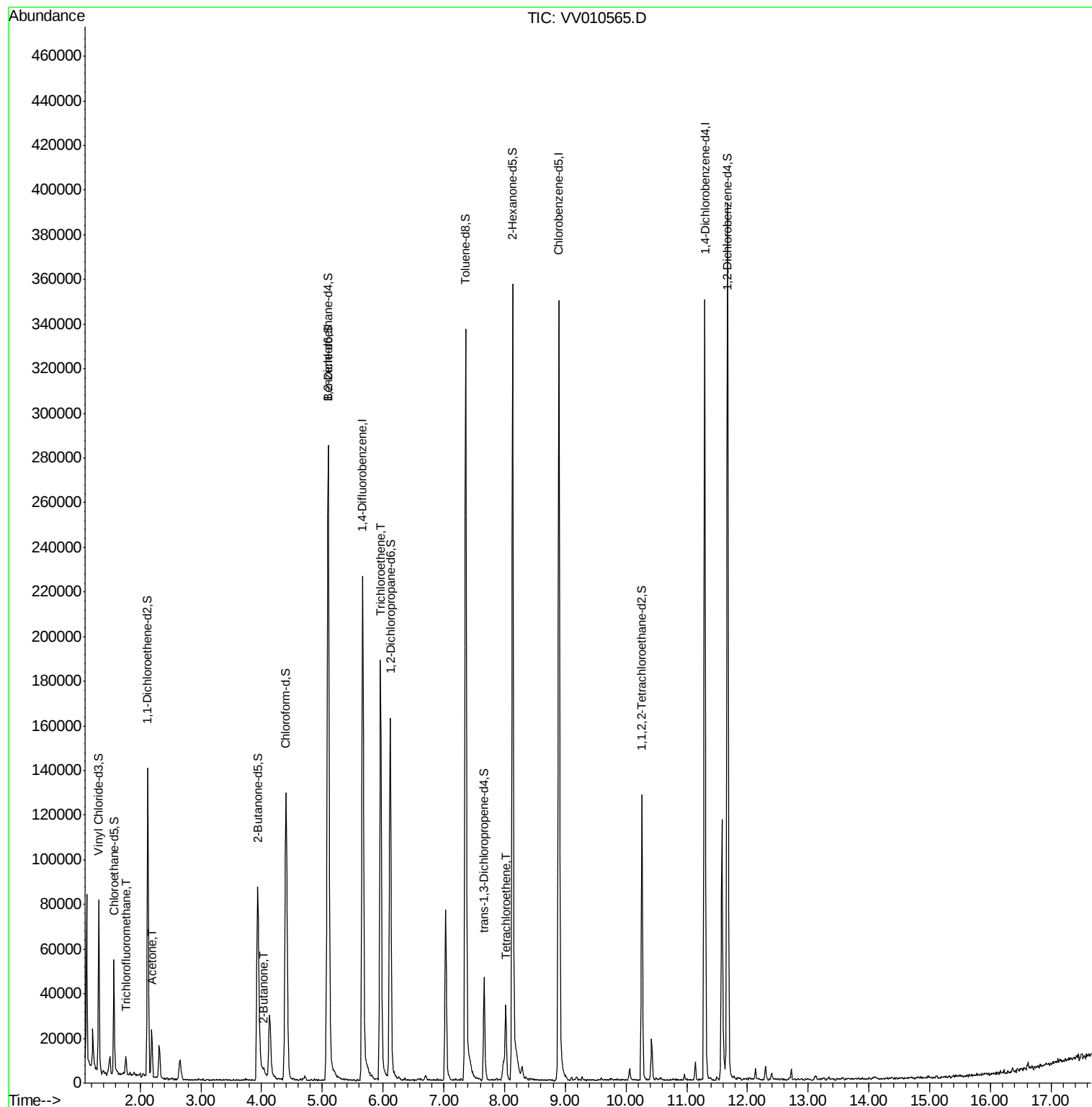
|                           |      |     |       |              | Ovalue |
|---------------------------|------|-----|-------|--------------|--------|
| 9) Trichlorofluoromethane | 1.76 | 101 | 4023  | 0.169 ug/L   | 99     |
| 13) Acetone               | 2.19 | 43  | 18392 | 13.523 ug/L  | 100    |
| 21) 2-Butanone            | 4.04 | 43  | 5593  | 1.990 ug/L # | 62     |
| 34) Trichloroethene       | 5.96 | 95  | 63175 | 3.850 ug/L   | 97     |
| 47) Tetrachloroethene     | 8.02 | 164 | 7671  | 0.500 ug/L   | 89     |

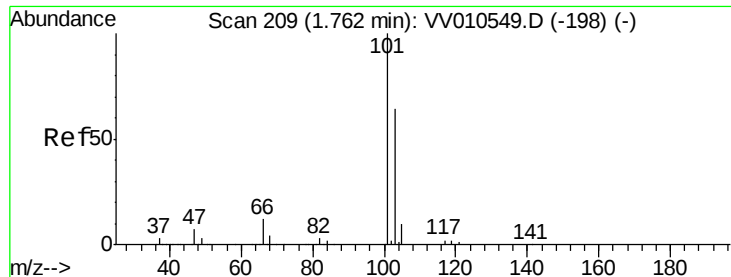
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.169 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV010565.D

Acq: 29 Apr 2019 23:09

Instrument :

MSVOA\_V

ClientSampleId :

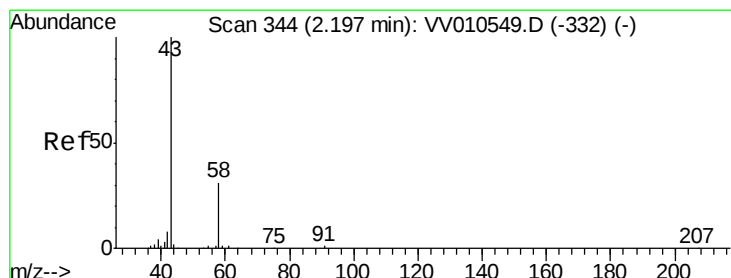
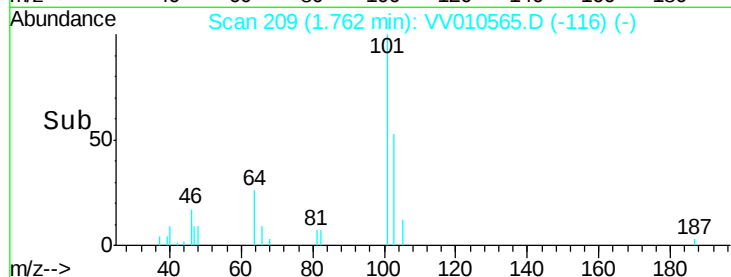
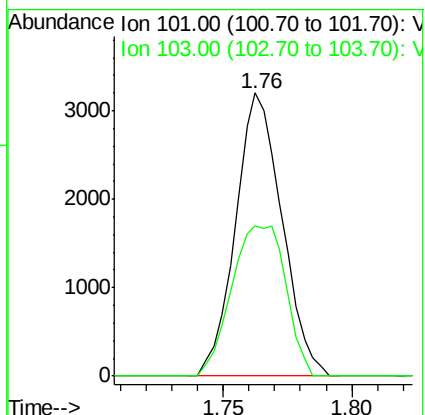
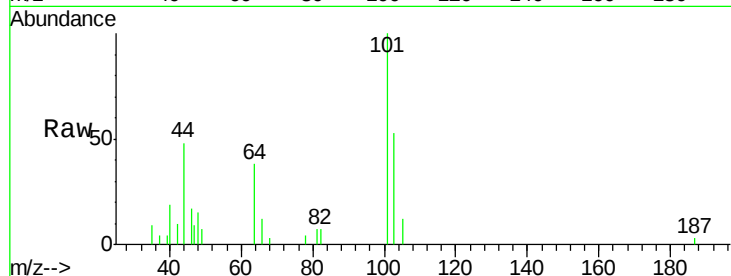
C0X91

Tot Ion:101 Resp: 4023

Ion Ratio Lower Upper

101 100

103 61.9 50.5 75.7



#13

Acetone

Concen: 13.523 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV010565.D

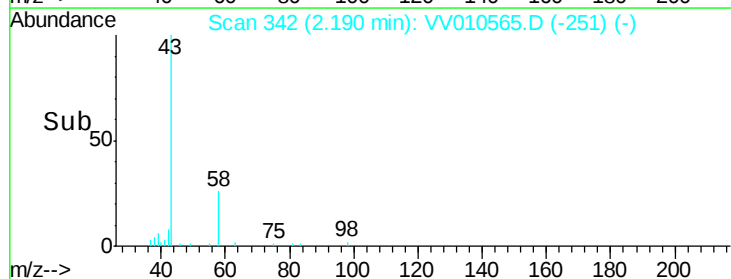
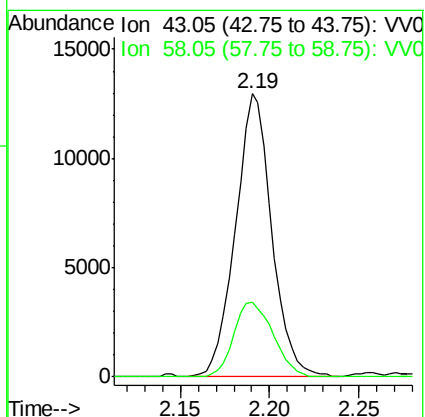
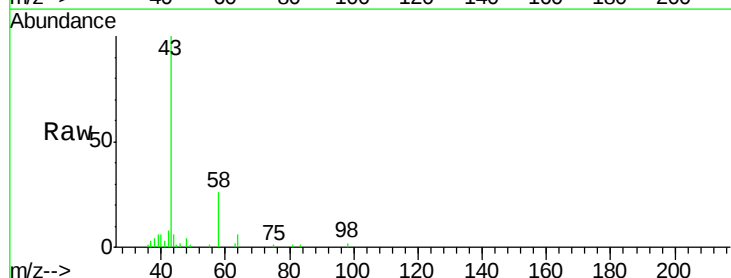
Acq: 29 Apr 2019 23:09

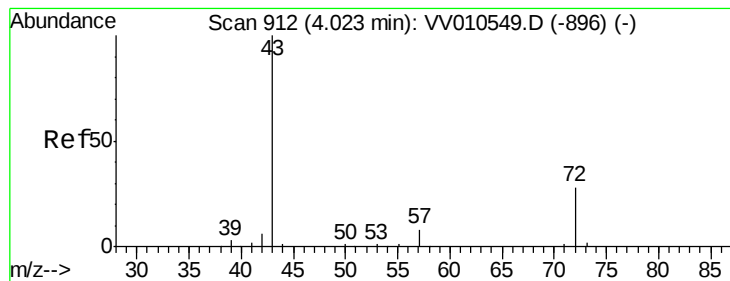
Tgt Ion: 43 Resp: 18392

Ion Ratio Lower Upper

43 100

58 28.6 0.0 57.4





#21

2-Butanone

Concen: 1.990 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.02 min

Lab File: VV010565.D

Acq: 29 Apr 2019 23:09

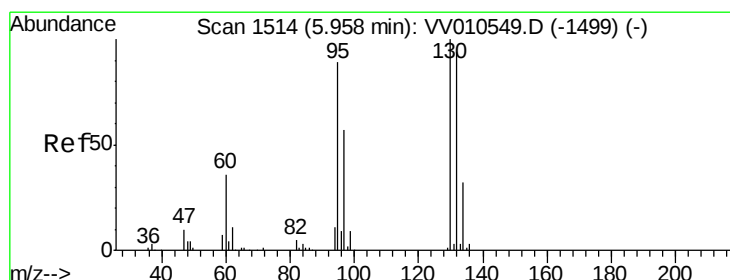
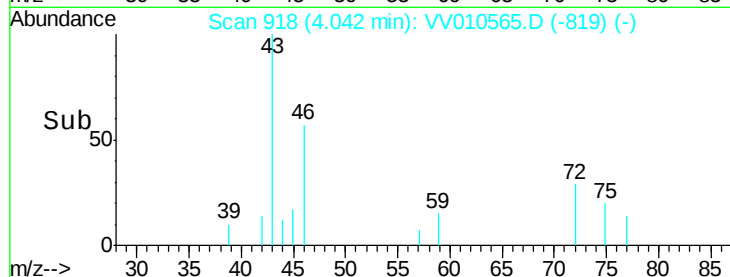
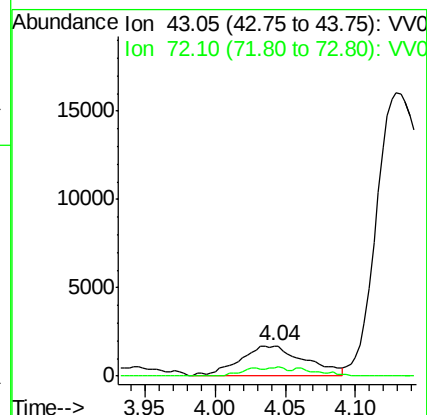
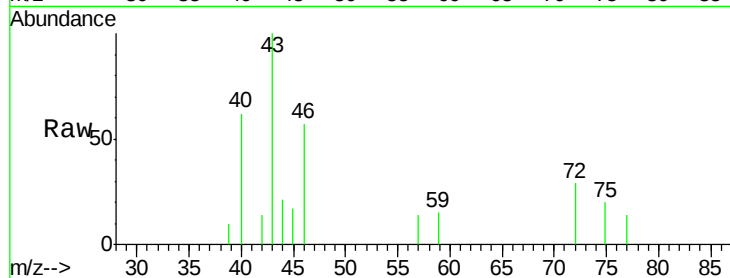
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X91

Tot Ion: 43 Resp: 5593

Ion Ratio Lower Upper

43 100

72 8.8 14.6 43.8#



#34

Trichloroethene

Concen: 3.850 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010565.D

Acq: 29 Apr 2019 23:09

Tgt Ion: 95 Resp: 63175

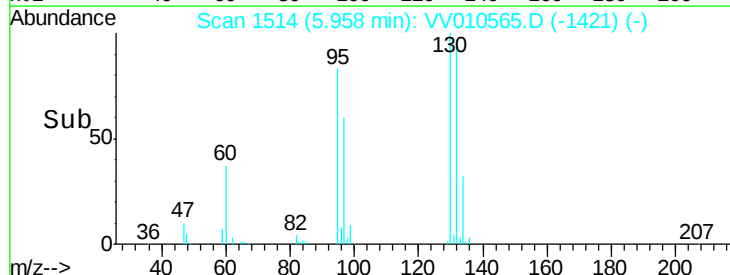
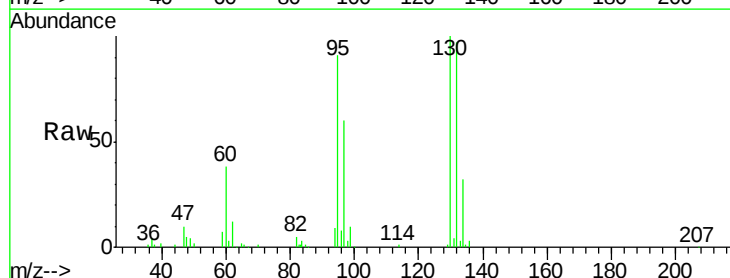
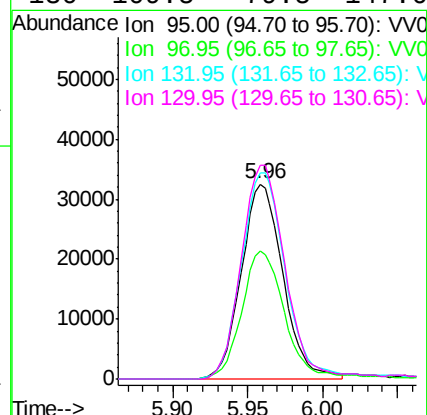
Ion Ratio Lower Upper

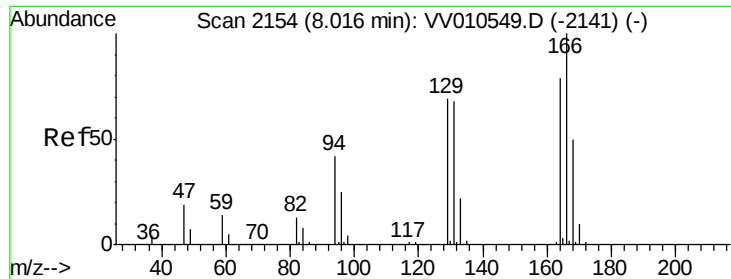
95 100

97 65.4 43.3 80.5

132 105.9 74.1 137.5

130 109.5 79.5 147.6





#47  
Tetrachloroethene  
Concen: 0.500 ug/L  
RT: 8.02 min Scan# 2155  
Delta R.T. 0.00 min  
Lab File: VV010565.D  
Acq: 29 Apr 2019 23:09

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0X91

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 7671  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 85.0  | 62.2  | 115.4 |
| 131      | 96.0  | 61.5  | 114.1 |
| 166      | 146.0 | 89.1  | 165.5 |

