

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100218\  
 Data File : VV008029.D  
 Acq On : 02 Oct 2018 14:27  
 Operator : SY/MD  
 Sample : J5160-19  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 03 05:35:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 03 05:34:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 88482    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 87036    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 42437    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 23868    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 100.60% |
| 7) Chloroethane-d5             | 1.59   | 69    | 21222    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.60% |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 37473    | 3.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.00%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 68621    | 48.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.20%  |
| 24) Chloroform-d               | 4.41   | 84    | 53834    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 29192    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.20%  |
| 32) Benzene-d6                 | 5.10   | 84    | 104703   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 32873    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 100032   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 11705    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 46379    | 41.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 82.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 22634    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 41527    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.20% |

## Target Compounds

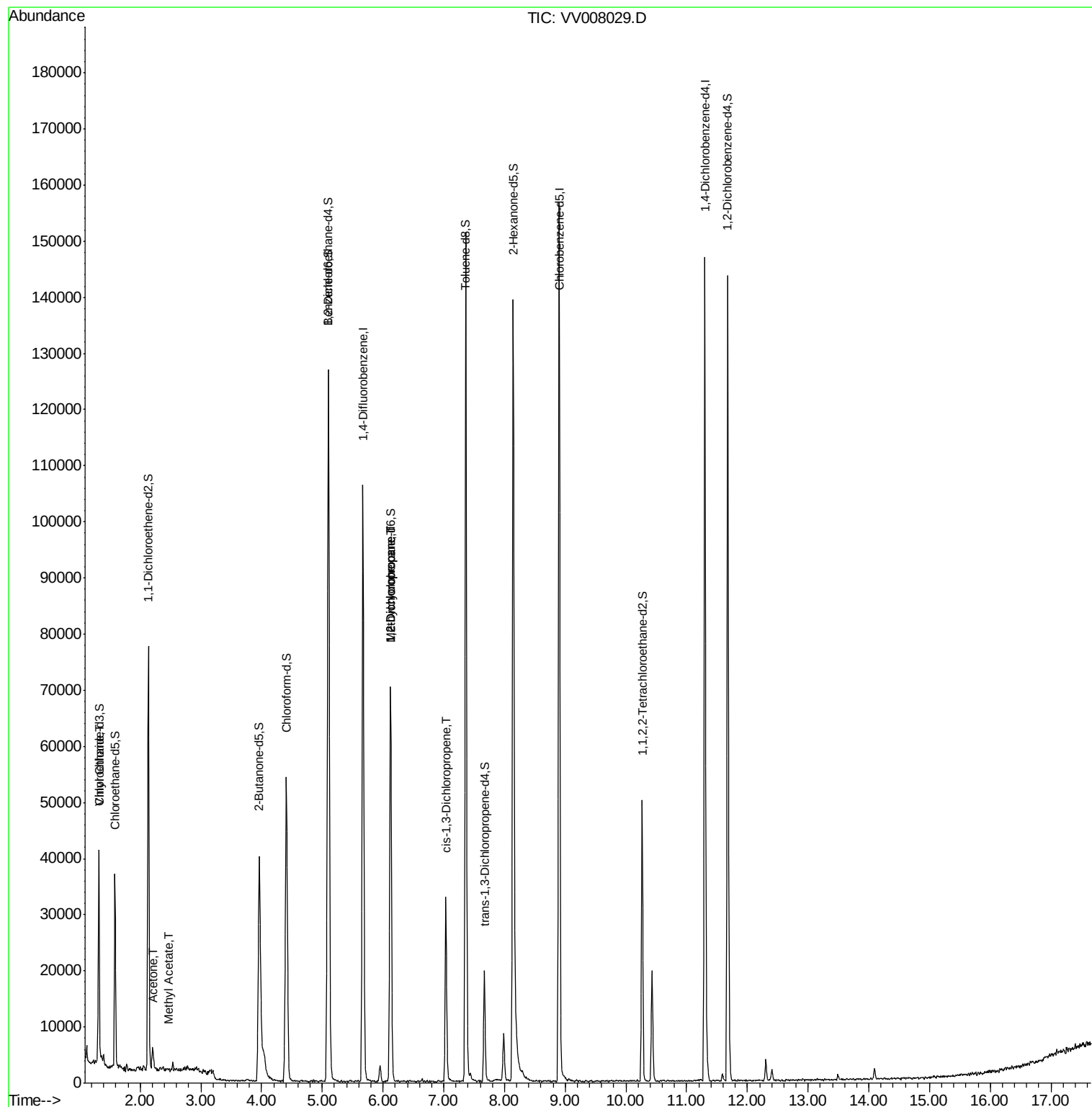
|                             |      |    |      | Ovalue       |     |
|-----------------------------|------|----|------|--------------|-----|
| 8) Chloroethane             | 1.32 | 64 | 398  | 0.093 ug/L # | 1   |
| 13) Acetone                 | 2.21 | 43 | 4609 | 4.434 ug/L   | 100 |
| 15) Methyl Acetate          | 2.46 | 43 | 410  | 0.154 ug/L # | 51  |
| 35) Methylcyclohexane       | 6.12 | 83 | 8216 | 0.768 ug/L # | 18  |
| 37) 1,2-Dichloropropane     | 6.13 | 63 | 4039 | 0.634 ug/L # | 87  |
| 39) cis-1,3-Dichloropropene | 7.04 | 75 | 950  | 0.112 ug/L # | 63  |

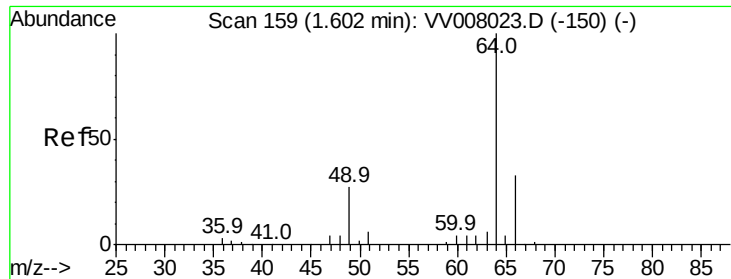
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

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MSVOA\_V  
ClientSampled :

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 03 05:34:53 2018  
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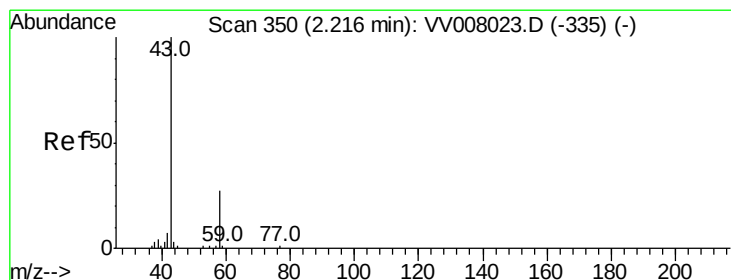
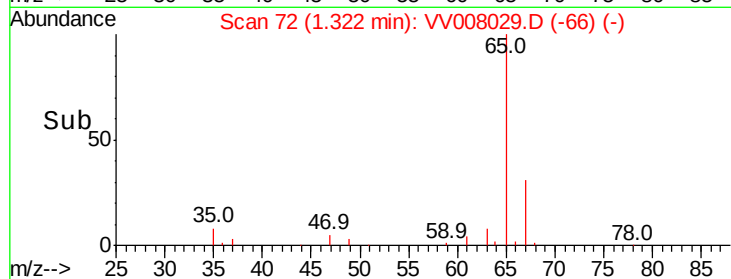
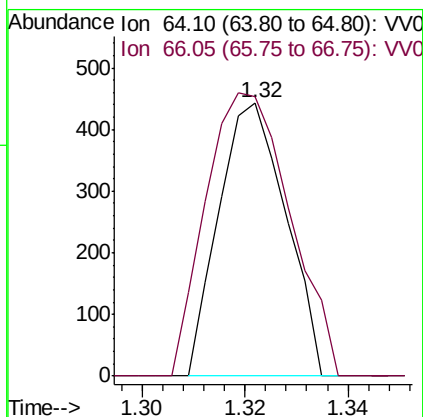
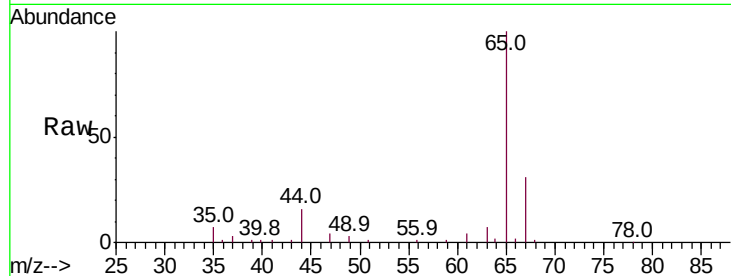




#8  
Chloroethane  
Concen: 0.093 ug/L  
RT: 1.32 min Scan# 72  
Delta R.T. -0.28 min  
Lab File: VV008029.D  
Acq: 02 Oct 2018 14:27

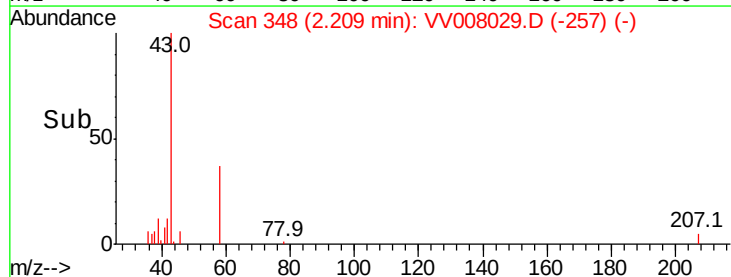
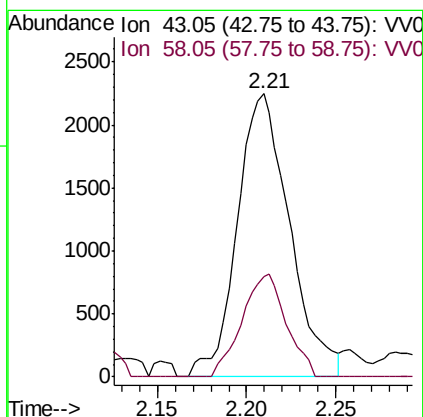
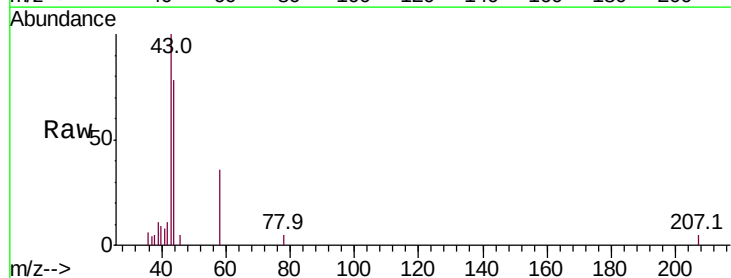
Instrument :  
MSVOA\_V  
ClientSampled :

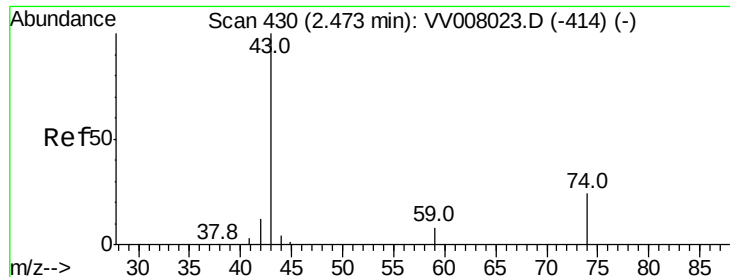
Tot Ion: 64 Resp: 398  
Ion Ratio Lower Upper  
64 100  
66 102.3 23.1 42.9#



#13  
Acetone  
Concen: 4.434 ug/L  
RT: 2.21 min Scan# 348  
Delta R.T. -0.01 min  
Lab File: VV008029.D  
Acq: 02 Oct 2018 14:27

Tgt Ion: 43 Resp: 4609  
Ion Ratio Lower Upper  
43 100  
58 30.8 0.0 62.0

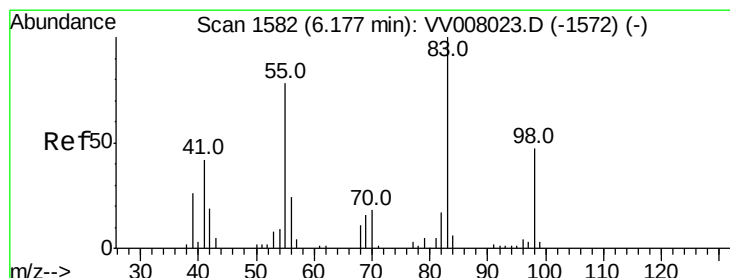
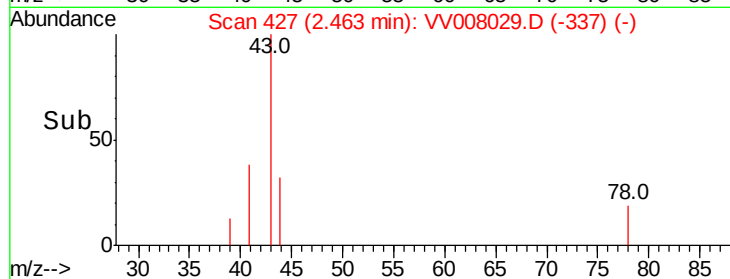
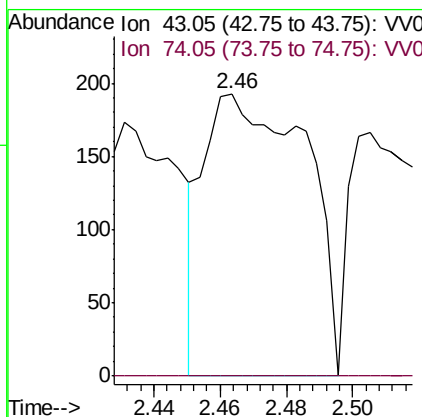
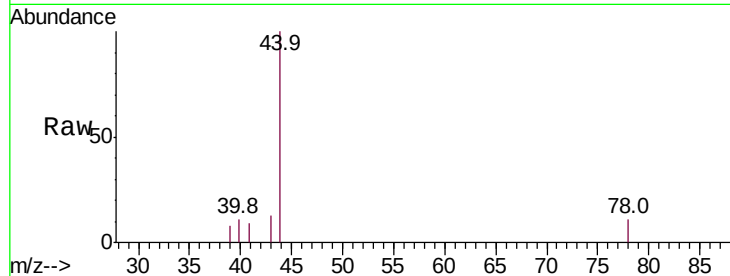




#15  
Methvl Acetate  
Concen: 0.154 ug/L  
RT: 2.46 min Scan# 427  
Delta R.T. -0.01 min  
Lab File: VV008029.D  
Acq: 02 Oct 2018 14:27

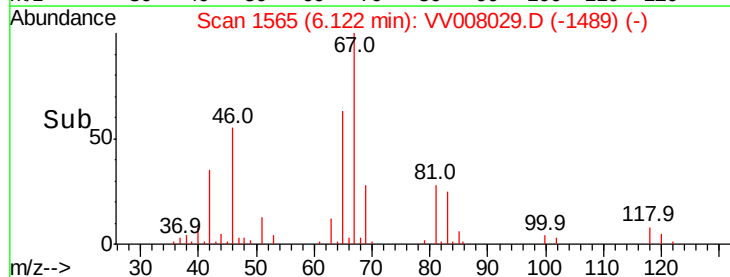
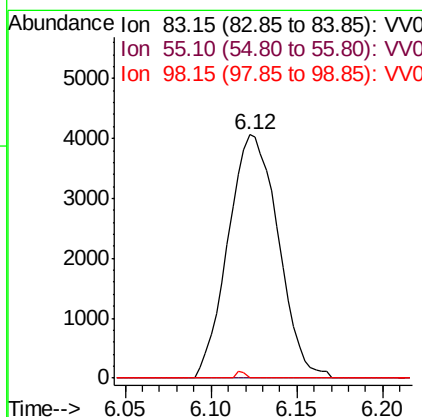
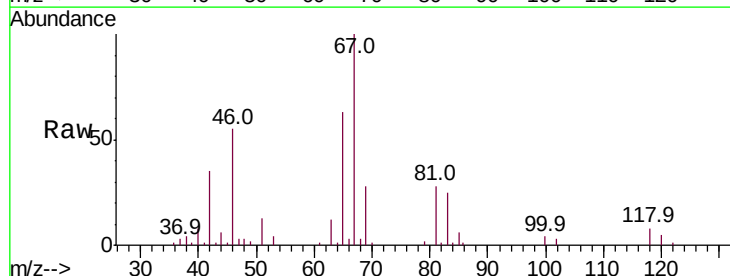
Instrument :  
MSVOA\_V  
ClientSampleId :

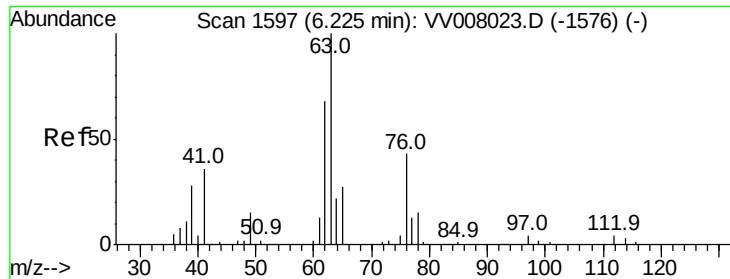
Tot Ion: 43 Resp: 410  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.5 29.3#



#35  
Methylcyclohexane  
Concen: 0.768 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.05 min  
Lab File: VV008029.D  
Acq: 02 Oct 2018 14:27

Tgt Ion: 83 Resp: 8216  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.2 93.2#  
98 0.5 38.0 57.0#

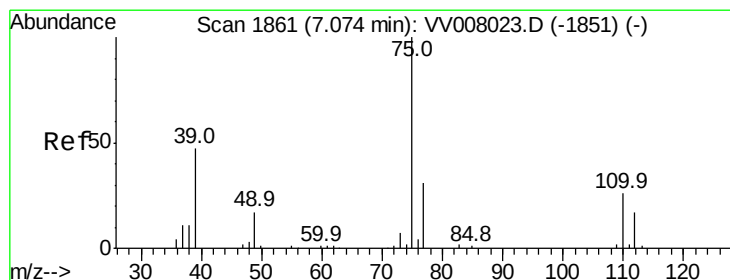
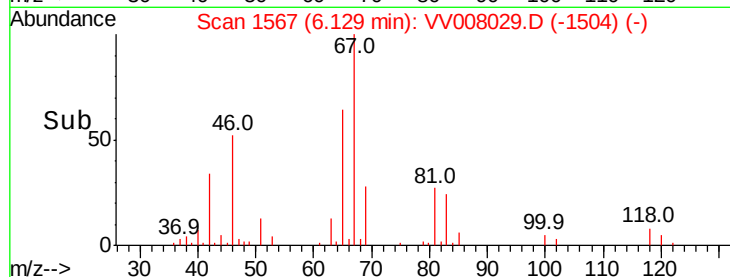
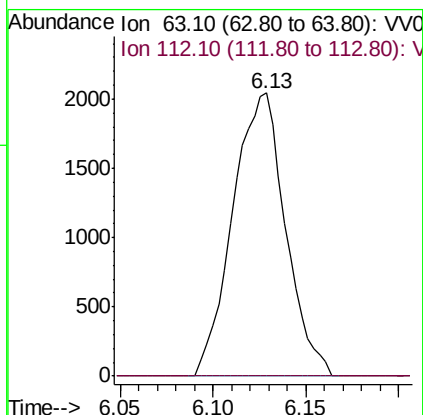
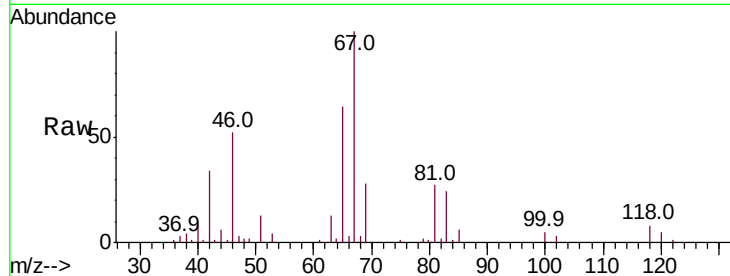




#37  
 1,2-Dichloropropane  
 Concen: 0.634 ug/L  
 RT: 6.13 min Scan# 1567  
 Delta R.T. -0.10 min  
 Lab File: VV008029.D  
 Acq: 02 Oct 2018 14:27

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion: 63 Resp: 4039  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.0#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.112 ug/L  
 RT: 7.04 min Scan# 1849  
 Delta R.T. -0.04 min  
 Lab File: VV008029.D  
 Acq: 02 Oct 2018 14:27

Tgt Ion: 75 Resp: 950  
 Ion Ratio Lower Upper  
 75 100  
 77 53.3 22.9 42.5#

