

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\  
 Data File : VV007959.D  
 Acq On : 28 Sep 2018 18:07  
 Operator : SY/MD  
 Sample : J5062-17  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAC17

Quant Time: Oct 01 01:54:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 01 01:51:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 96268    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 89514    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 45349    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 18641    | 3.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 72.20%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 18470    | 4.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 82.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 32126    | 2.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 55.20%# |
| 20) 2-Butanone-d5              | 3.96   | 46    | 67875    | 43.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.46%  |
| 24) Chloroform-d               | 4.41   | 84    | 48602    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 27131    | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.00%  |
| 32) Benzene-d6                 | 5.10   | 84    | 96916    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 30236    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.20%  |
| 41) Toluene-d8                 | 7.36   | 98    | 87164    | 4.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 10605    | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 51045    | 44.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.66%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 23261    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 37549    | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 85.60%  |

## Target Compounds

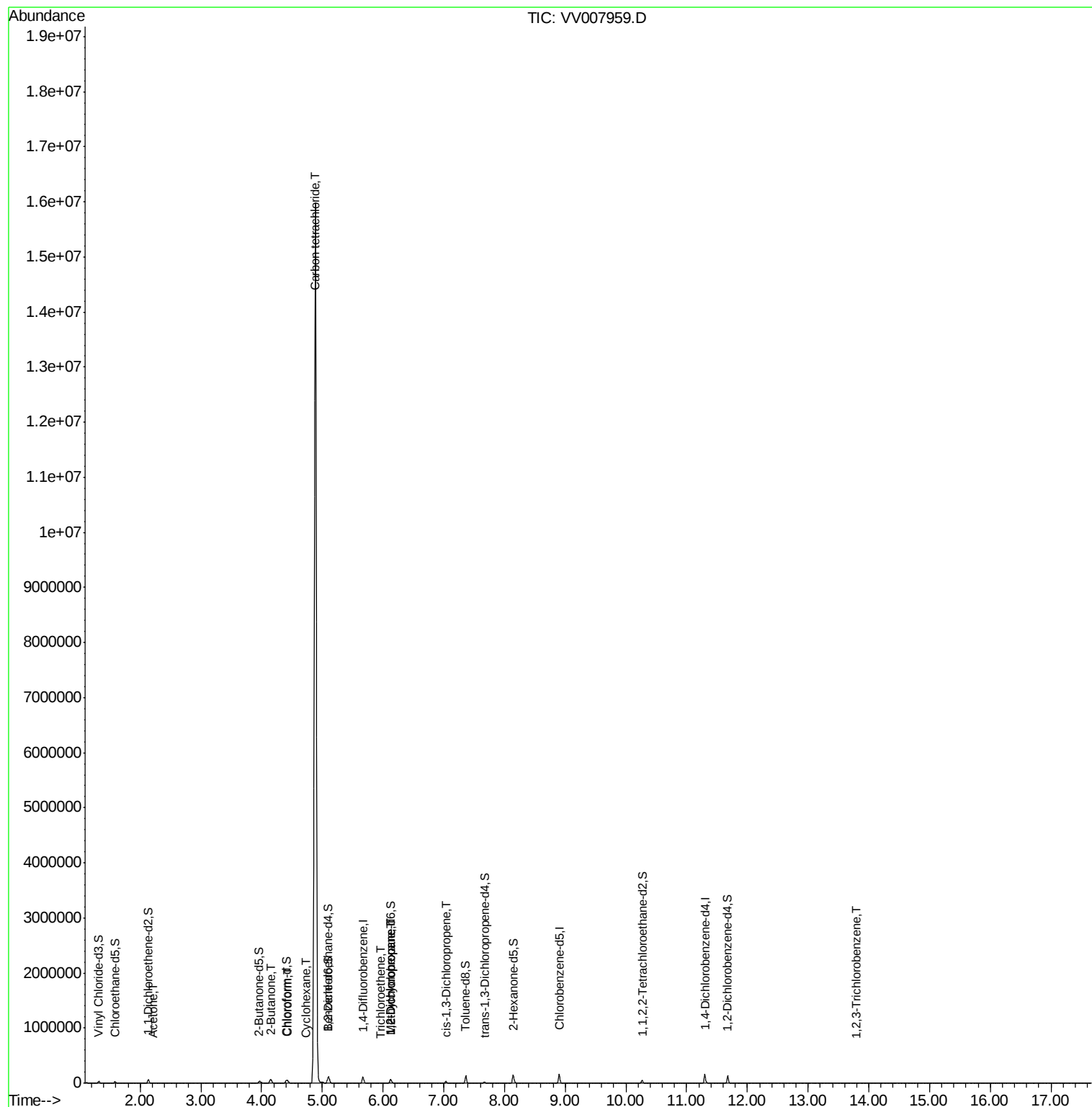
|                             |       |     |          |          | Ovalue    |
|-----------------------------|-------|-----|----------|----------|-----------|
| 13) Acetone                 | 2.21  | 43  | 4786     | 4.232    | ug/L 95   |
| 21) 2-Butanone              | 4.15  | 43  | 101713   | 56.448   | ug/L # 50 |
| 25) Chloroform              | 4.43  | 83  | 16822    | 1.300    | ug/L 88   |
| 30) Cyclohexane             | 4.73  | 56  | 2762     | 0.273    | ug/L # 27 |
| 31) Carbon tetrachloride    | 4.89  | 117 | 11972444 | 1261.709 | ug/L 100  |
| 34) Trichloroethene         | 5.96  | 95  | 952      | 0.130    | ug/L 85   |
| 35) Methylcyclohexane       | 6.12  | 83  | 7815     | 0.710    | ug/L # 18 |
| 37) 1,2-Dichloropropane     | 6.13  | 63  | 3502     | 0.535    | ug/L # 87 |
| 39) cis-1,3-Dichloropropene | 7.04  | 75  | 861      | 0.098    | ug/L # 69 |
| 70) 1,2,3-Trichlorobenzene  | 13.81 | 180 | 614      | 0.063    | ug/L # 92 |

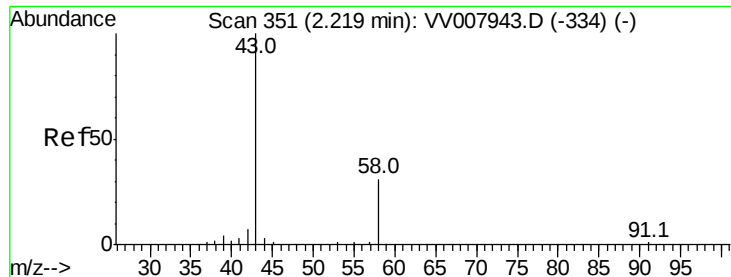
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Oct 01 01:51:53 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 4.232 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV007959.D

Acq: 28 Sep 2018 18:07

Instrument :

MSVOA\_V

ClientSampleId :

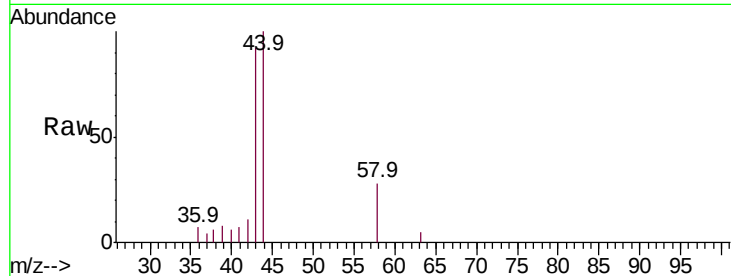
GAC17

Tot Ion: 43 Resp: 4786

Ion Ratio Lower Upper

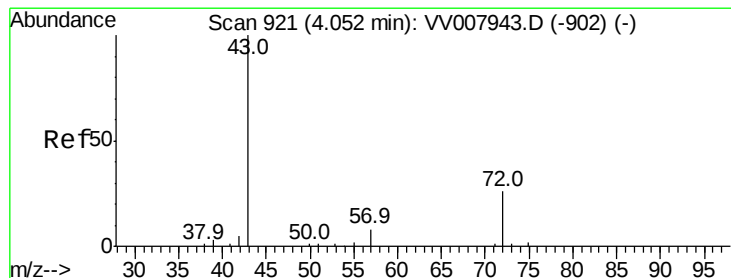
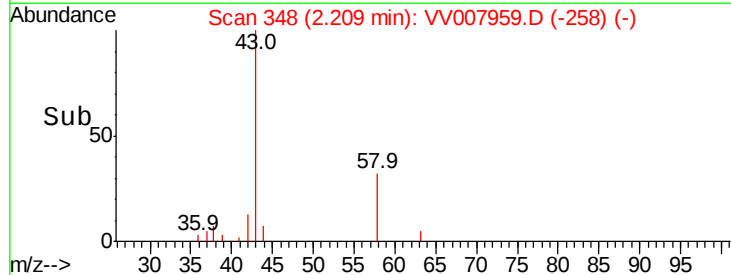
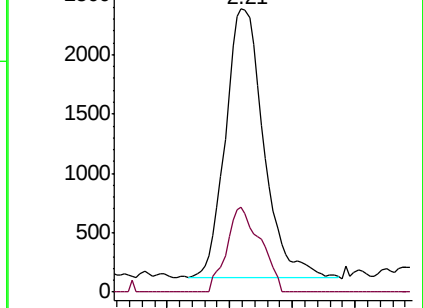
43 100

58 28.0 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007943.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV007943.D (-334) (-)



#21

2-Butanone

Concen: 56.448 ug/L

RT: 4.15 min Scan# 951

Delta R.T. 0.10 min

Lab File: VV007959.D

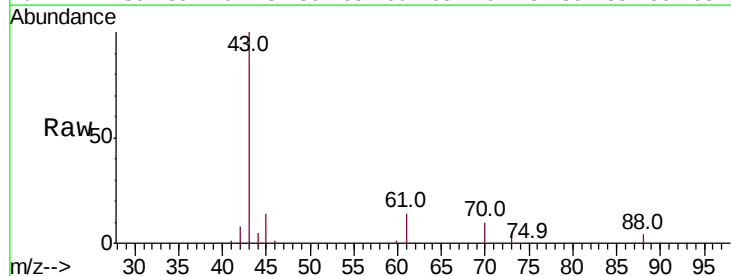
Acq: 28 Sep 2018 18:07

Tgt Ion: 43 Resp: 101713

Ion Ratio Lower Upper

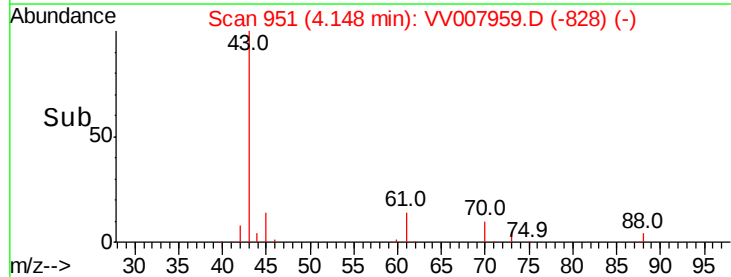
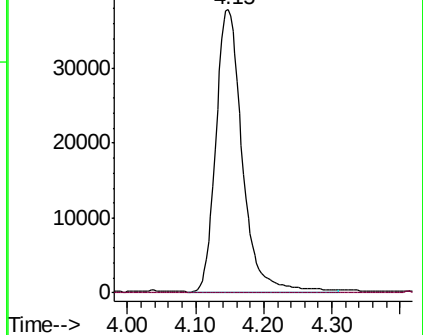
43 100

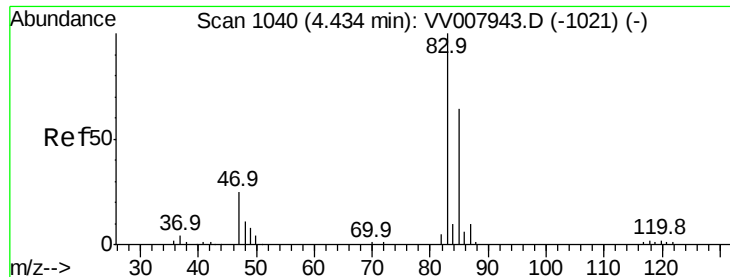
72 0.0 12.5 37.5#



Abundance Ion 43.05 (42.75 to 43.75): VV007943.D (-902) (-)

Ion 72.10 (71.80 to 72.80): VV007943.D (-902) (-)

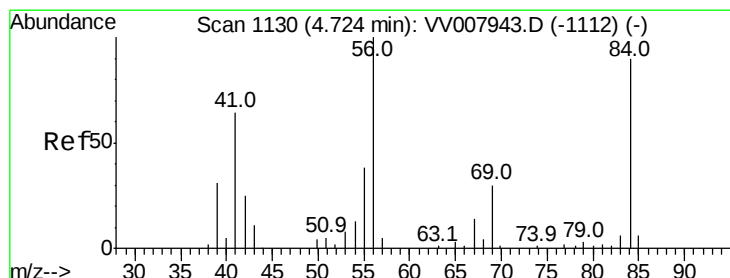
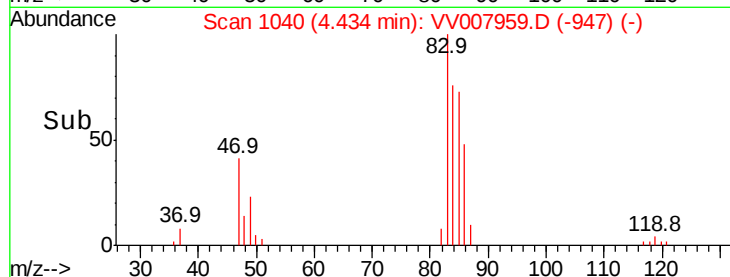
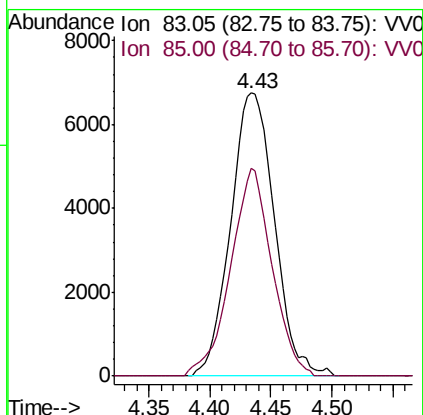
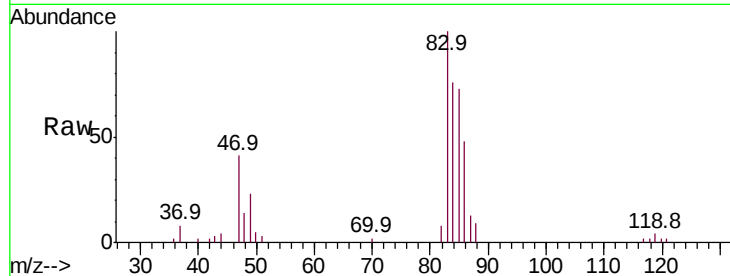




#25  
Chloroform  
Concen: 1.300 ug/L  
RT: 4.43 min Scan# 1040  
Delta R.T. -0.00 min  
Lab File: VV007959.D  
Acq: 28 Sep 2018 18:07

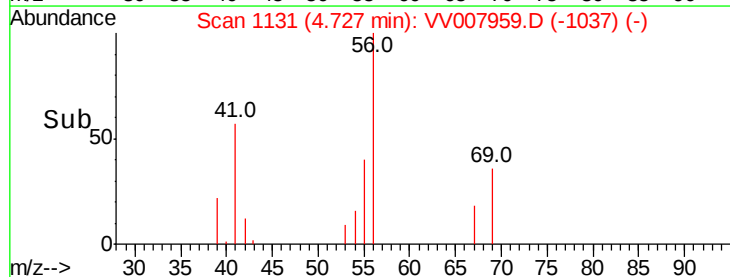
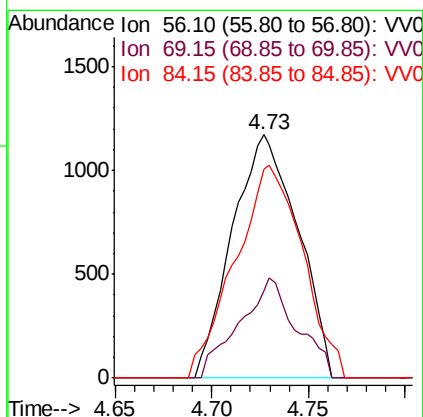
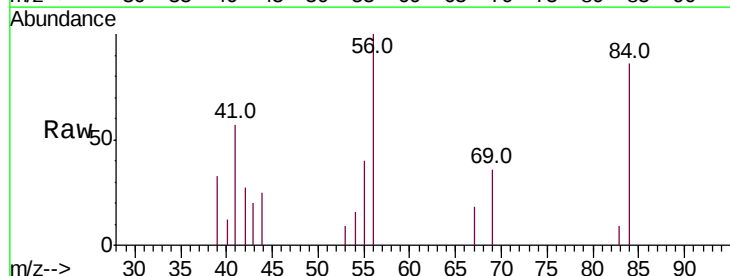
Instrument :  
MSVOA\_V  
ClientSampleId :  
GAC17

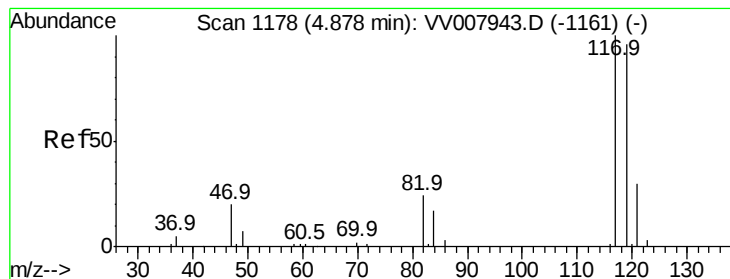
Tot Ion: 83 Resp: 16822  
Ion Ratio Lower Upper  
83 100  
85 73.3 44.8 83.2



#30  
Cyclohexane  
Concen: 0.273 ug/L  
RT: 4.73 min Scan# 1131  
Delta R.T. 0.00 min  
Lab File: VV007959.D  
Acq: 28 Sep 2018 18:07

Tgt Ion: 56 Resp: 2762  
Ion Ratio Lower Upper  
56 100  
69 36.1 24.2 36.4  
84 0.0 69.8 104.8#





#31

Carbon tetrachloride

Concen: 1261.709 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VV007959.D

Acq: 28 Sep 2018 18:07

Instrument :

MSVOA\_V

ClientSampleId :

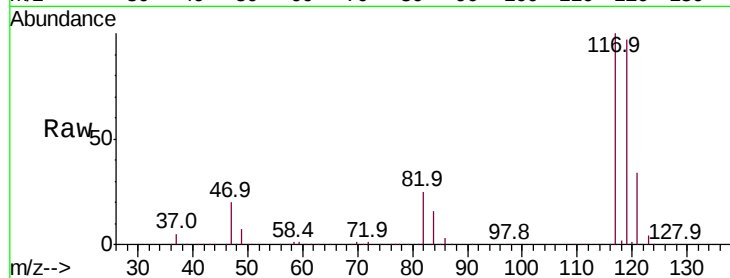
GAC17

Tot Ion:117 Resp:11972444

Ion Ratio Lower Upper

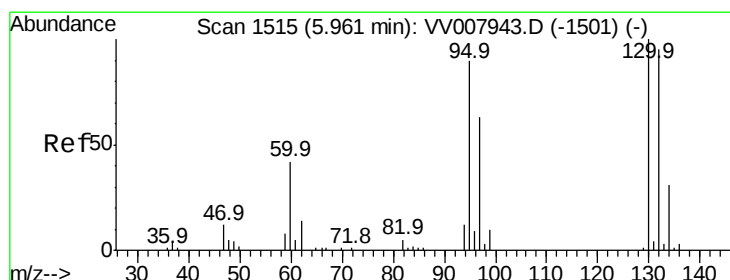
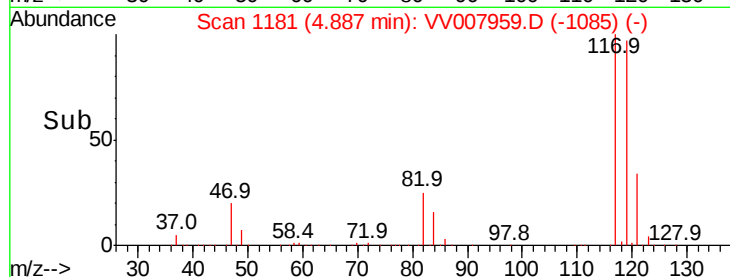
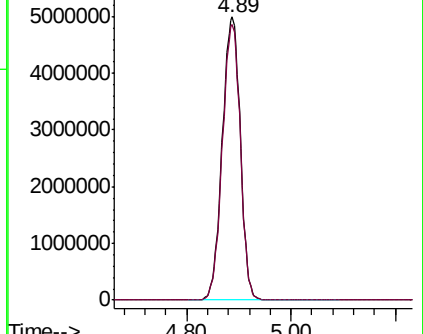
117 100

119 97.0 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.130 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007959.D

Acq: 28 Sep 2018 18:07

Tgt Ion: 95 Resp: 952

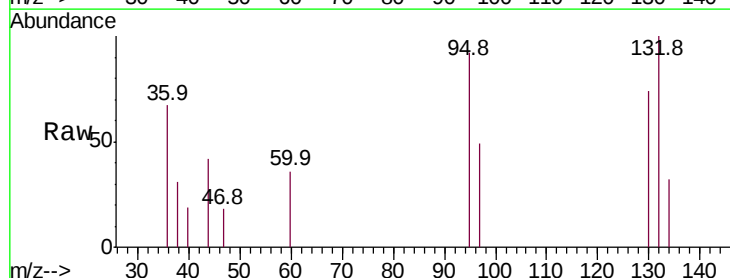
Ion Ratio Lower Upper

95 100

97 52.9 43.6 81.0

132 108.4 69.9 129.9

130 79.7 71.7 133.3

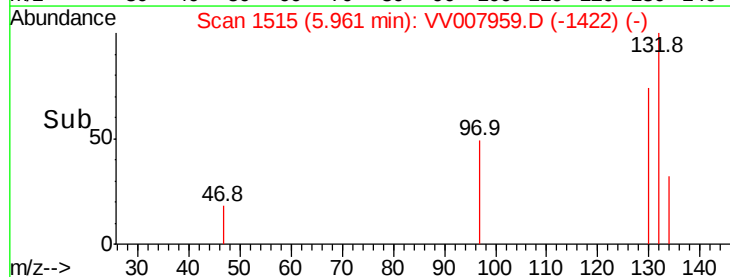
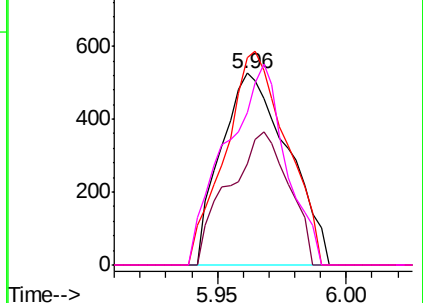


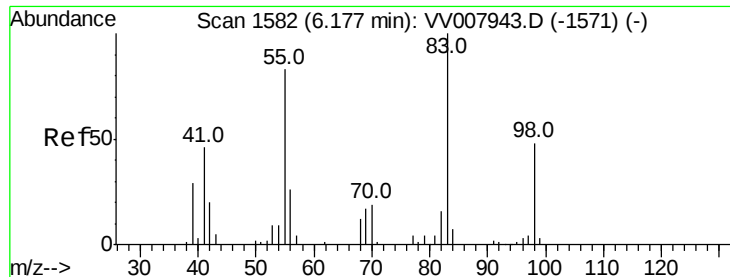
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

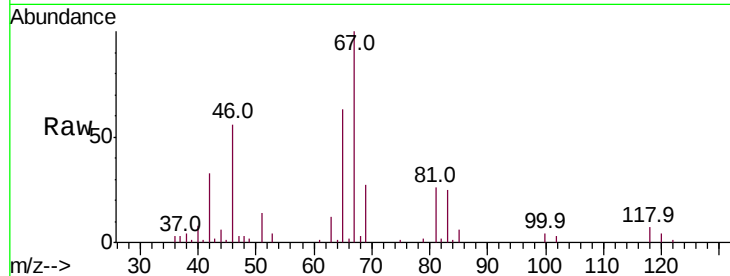




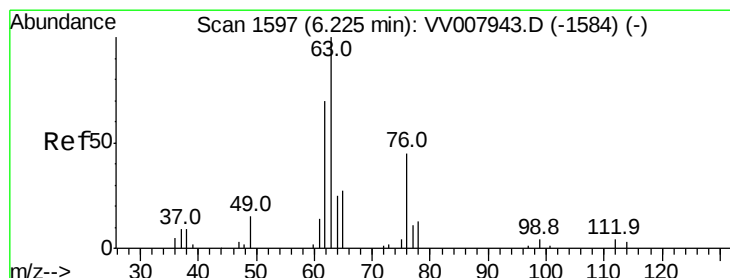
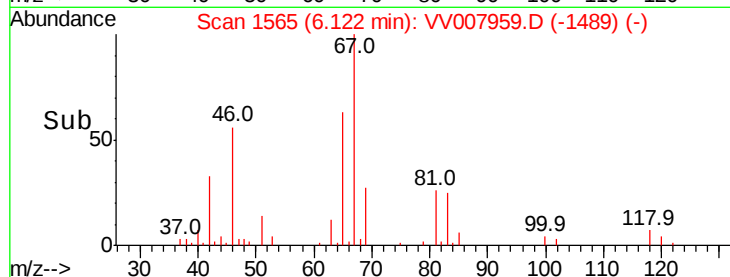
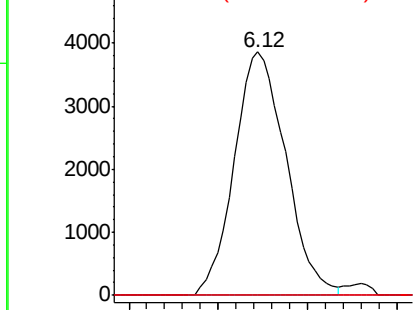
#35  
Methvlcvclohexane  
Concen: 0.710 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.05 min  
Lab File: VV007959.D  
Acq: 28 Sep 2018 18:07

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAC17

Tot Ion: 83 Resp: 7815  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.2 93.2#  
98 0.0 38.0 57.0#

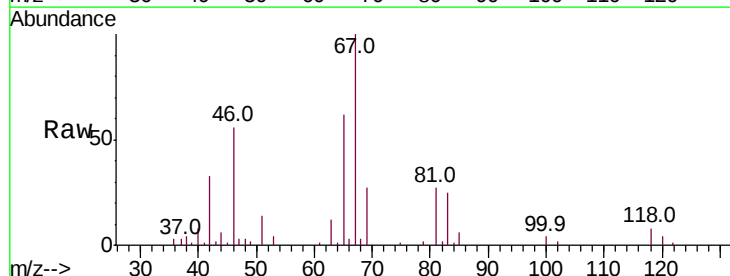


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

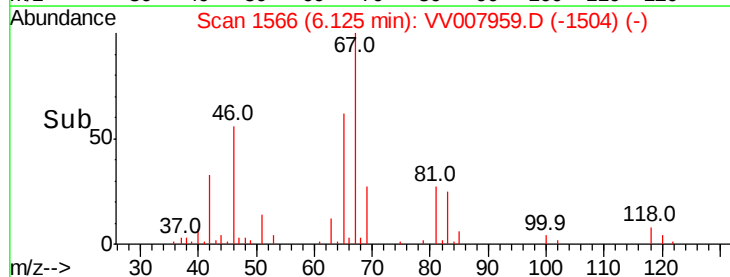
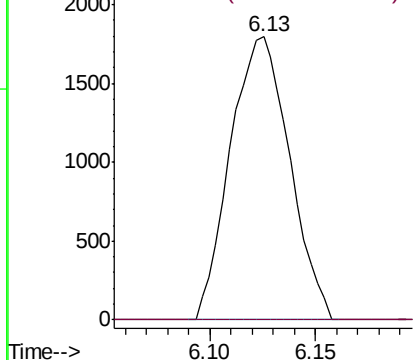


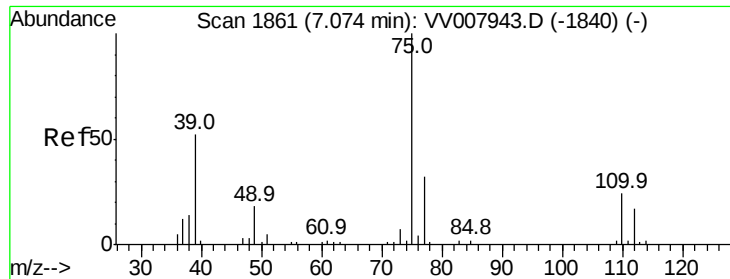
#37  
1,2-Dichloropropane  
Concen: 0.535 ug/L  
RT: 6.13 min Scan# 1566  
Delta R.T. -0.10 min  
Lab File: VV007959.D  
Acq: 28 Sep 2018 18:07

Tgt Ion: 63 Resp: 3502  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007959.D

Acq: 28 Sep 2018 18:07

Instrument :

MSVOA\_V

ClientSampleId :

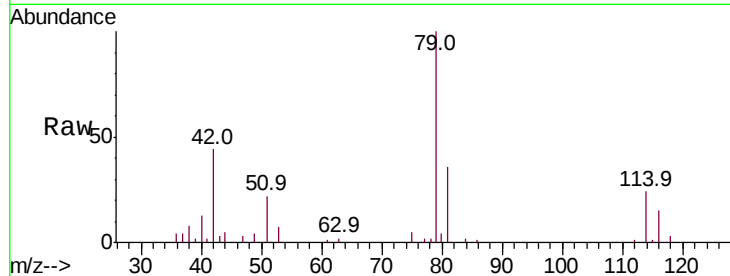
GAC17

Tot Ion: 75 Resp: 861

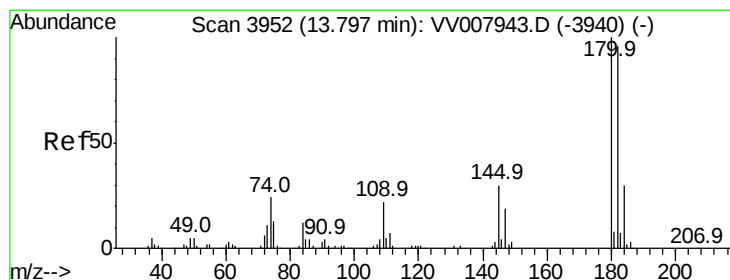
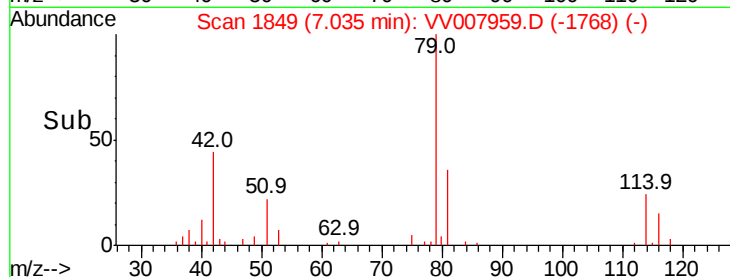
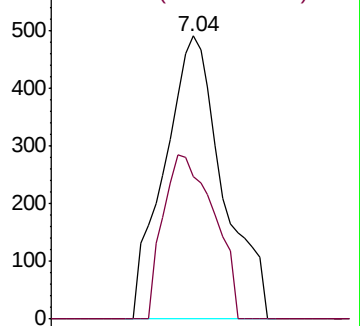
Ion Ratio Lower Upper

75 100

77 50.1 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007943.D (-1840) (-)



#70

1,2,3-Trichlorobenzene

Concen: 0.063 ug/L

RT: 13.81 min Scan# 3955

Delta R.T. 0.01 min

Lab File: VV007959.D

Acq: 28 Sep 2018 18:07

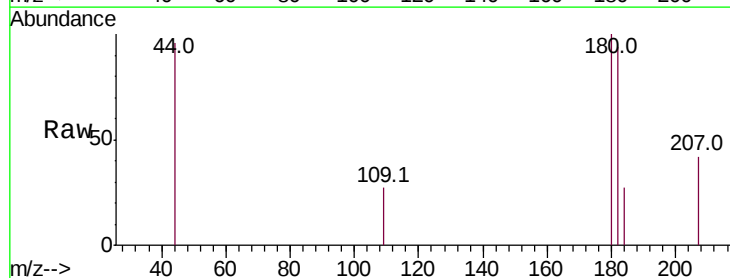
Tgt Ion:180 Resp: 614

Ion Ratio Lower Upper

180 100

182 95.0 75.7 113.5

145 11.6 23.4 35.0#



Abundance Ion 179.90 (179.60 to 180.60): VV007943.D (-3940) (-)

