

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\  
 Data File : VV007947.D  
 Acq On : 28 Sep 2018 12:11  
 Operator : SY/MD  
 Sample : J5063-02RE  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAC23

Quant Time: Oct 01 01:53:09 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  | 90070    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 82769    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 41599    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 20299    | 4.20     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.00% |
| 7) Chloroethane-d5             | 1.59   | 69    | 19694    | 4.72     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.40% |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 34611    | 3.17     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.40% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 64984    | 44.74    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.48% |
| 24) Chloroform-d               | 4.41   | 84    | 49394    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 27120    | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 96604    | 4.89     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 30693    | 4.90     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00% |
| 41) Toluene-d8                 | 7.36   | 98    | 90175    | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.60% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 9926     | 4.12     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.40% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 46690    | 43.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.70% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 22362    | 4.63     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 38421    | 4.77     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.40% |

## Target Compounds

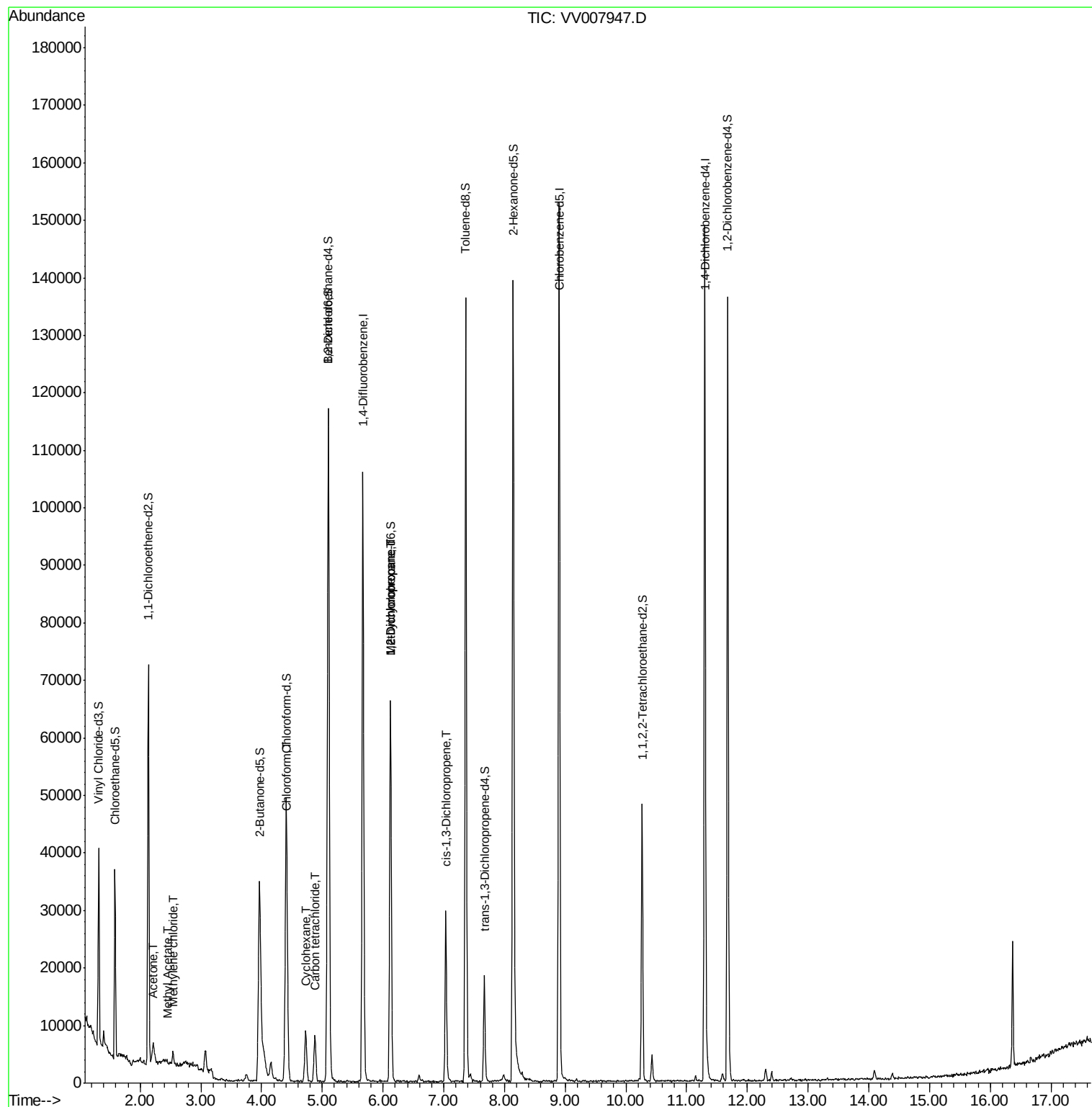
|                             |      |     |      |       | Ovalue    |
|-----------------------------|------|-----|------|-------|-----------|
| 13) Acetone                 | 2.22 | 43  | 5001 | 4.726 | ug/L 100  |
| 15) Methyl Acetate          | 2.47 | 43  | 391  | 0.144 | ug/L # 51 |
| 16) Methylene chloride      | 2.54 | 84  | 781  | 0.118 | ug/L 81   |
| 25) Chloroform              | 4.43 | 83  | 1664 | 0.137 | ug/L 89   |
| 30) Cyclohexane             | 4.73 | 56  | 4382 | 0.468 | ug/L 98   |
| 31) Carbon tetrachloride    | 4.88 | 117 | 5955 | 0.679 | ug/L 99   |
| 35) Methylcyclohexane       | 6.13 | 83  | 7452 | 0.732 | ug/L # 18 |
| 37) 1,2-Dichloropropane     | 6.12 | 63  | 3632 | 0.600 | ug/L # 87 |
| 39) cis-1,3-Dichloropropene | 7.03 | 75  | 723  | 0.089 | ug/L # 73 |

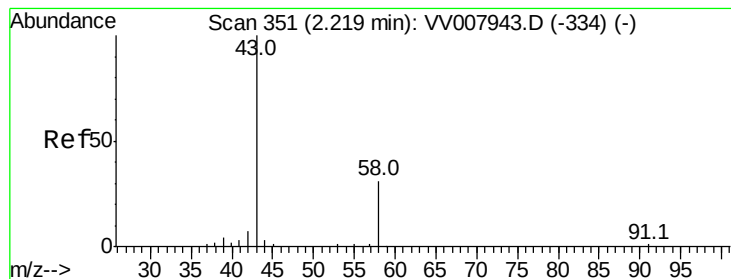
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Oct 01 01:51:53 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 4.726 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV007947.D

Acq: 28 Sep 2018 12:11

Instrument :

MSVOA\_V

ClientSampled :

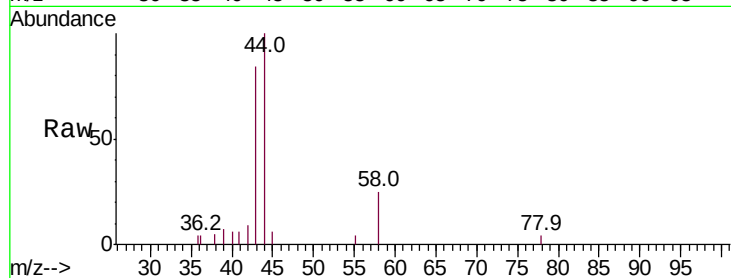
GAC23

Tot Ion: 43 Resp: 5001

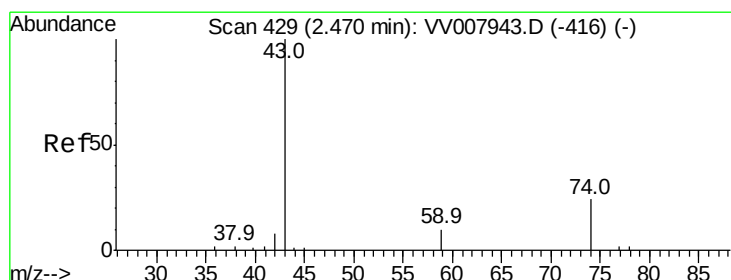
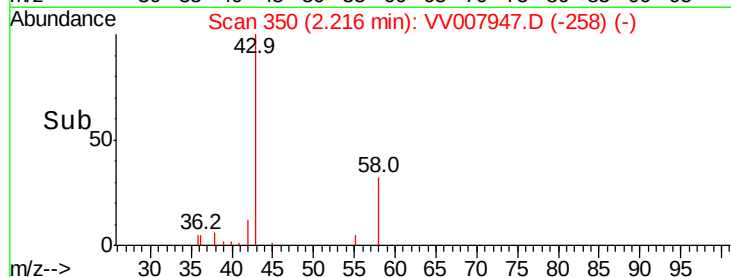
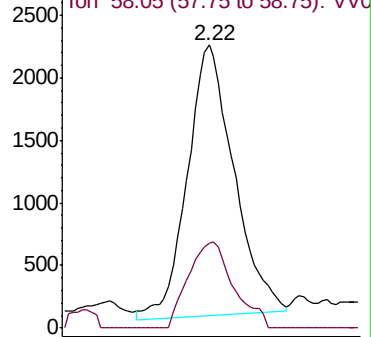
Ion Ratio Lower Upper

43 100

58 30.8 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007947.D (-258) (-)



#15

Methyl Acetate

Concen: 0.144 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV007947.D

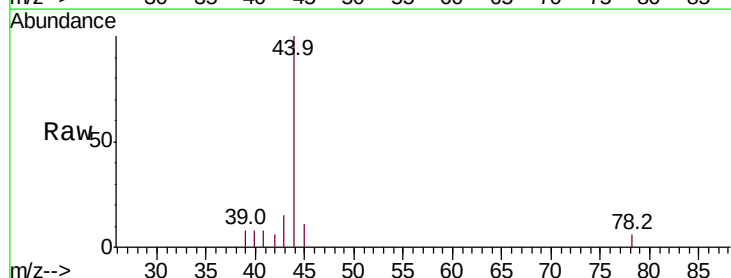
Acq: 28 Sep 2018 12:11

Tgt Ion: 43 Resp: 391

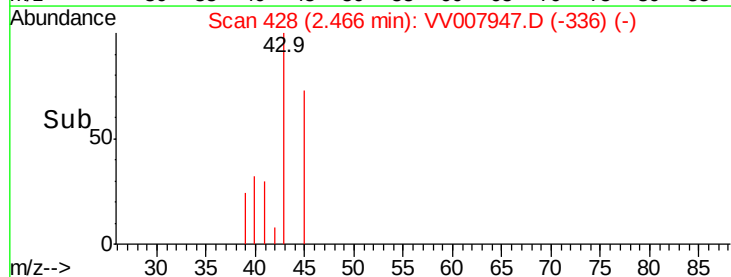
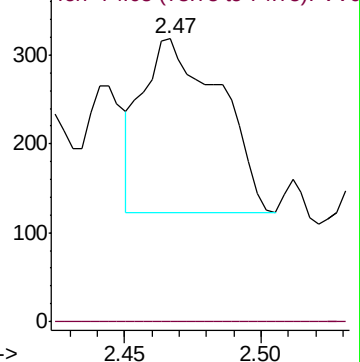
Ion Ratio Lower Upper

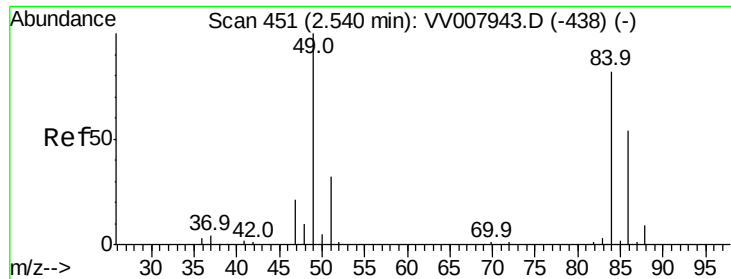
43 100

74 0.0 19.5 29.3#



Abundance Ion 43.05 (42.75 to 43.75): VV007947.D (-336) (-)

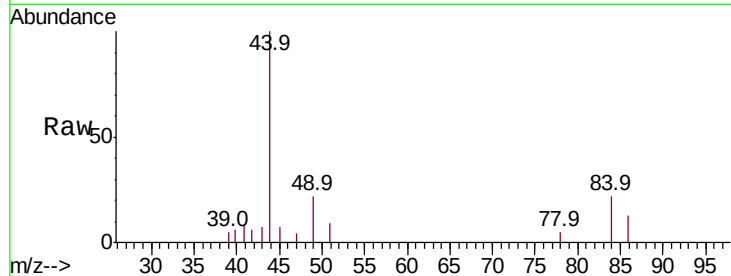




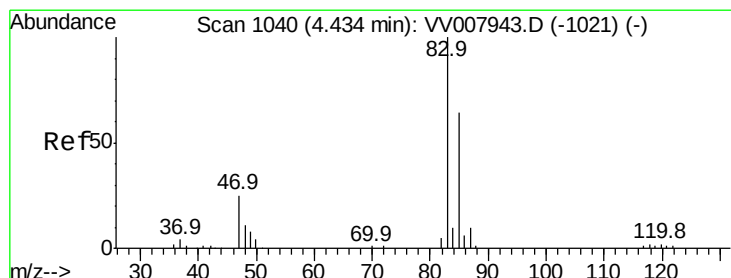
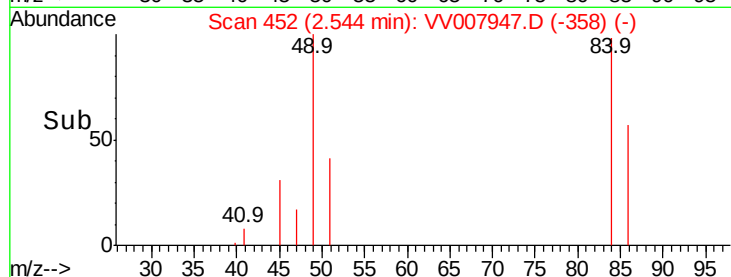
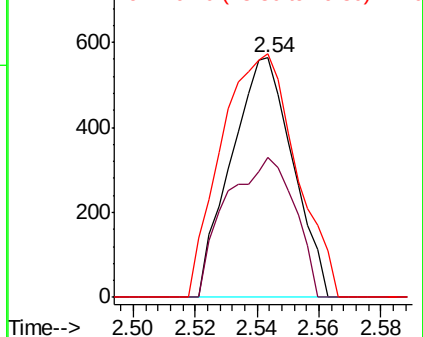
#16  
Methylene chloride  
Concen: 0.118 ug/L  
RT: 2.54 min Scan# 452  
Delta R.T. 0.00 min  
Lab File: VV007947.D  
Acq: 28 Sep 2018 12:11

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAC23

Tot Ion: 84 Resp: 781  
Ion Ratio Lower Upper  
84 100  
86 58.3 47.3 87.8  
49 101.6 90.0 167.2

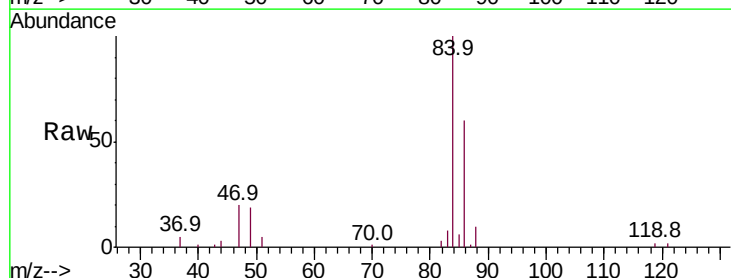


Abundance Ion 84.05 (83.75 to 84.75): VV0  
Ion 86.00 (85.70 to 86.70): VV0  
Ion 49.10 (48.80 to 49.80): VV0

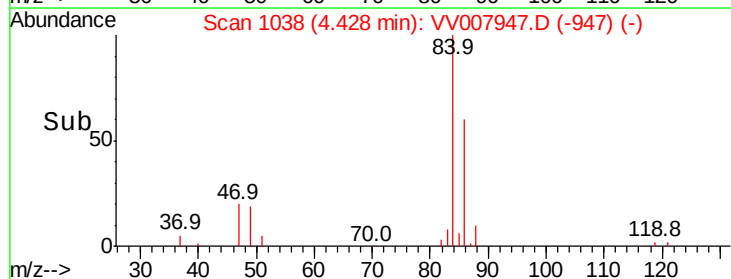
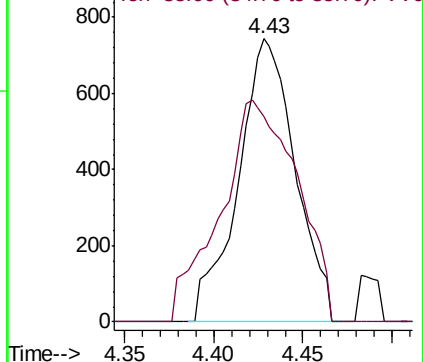


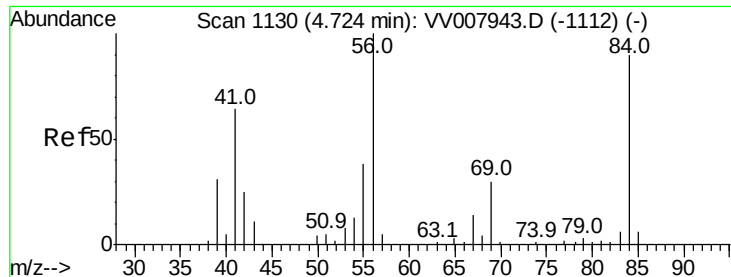
#25  
Chloroform  
Concen: 0.137 ug/L  
RT: 4.43 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: VV007947.D  
Acq: 28 Sep 2018 12:11

Tgt Ion: 83 Resp: 1664  
Ion Ratio Lower Upper  
83 100  
85 72.4 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV0  
Ion 85.00 (84.70 to 85.70): VV0

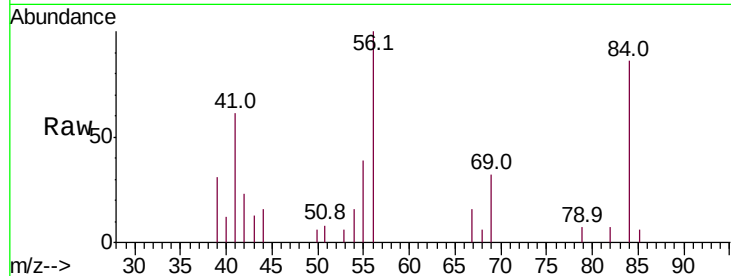




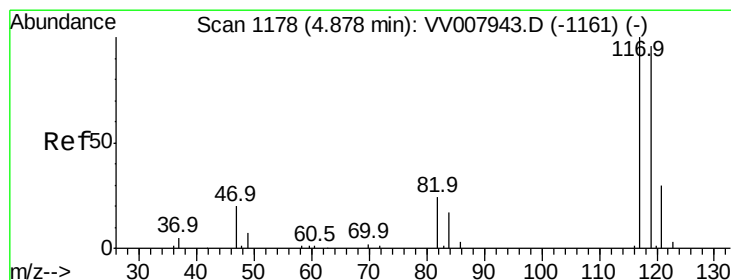
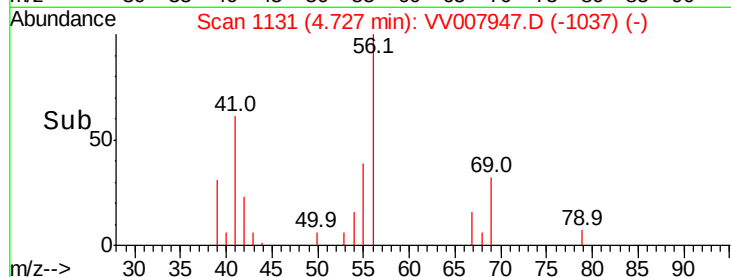
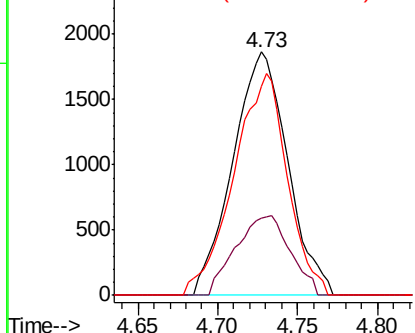
#30  
Cyclohexane  
Concen: 0.468 ug/L  
RT: 4.73 min Scan# 1131  
Delta R.T. 0.00 min  
Lab File: VV007947.D  
Acq: 28 Sep 2018 12:11

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAC23

Tot Ion: 56 Resp: 4382  
Ion Ratio Lower Upper  
56 100  
69 32.4 24.2 36.4  
84 89.1 69.8 104.8

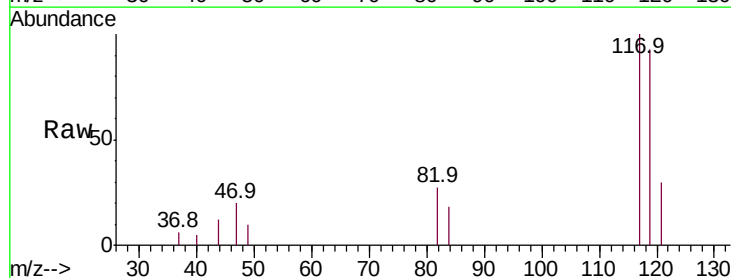


Abundance Ion 56.10 (55.80 to 56.80): VV0  
Ion 69.15 (68.85 to 69.85): VV0  
Ion 84.15 (83.85 to 84.85): VV0

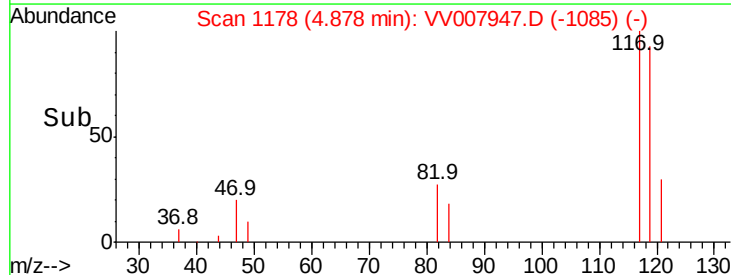
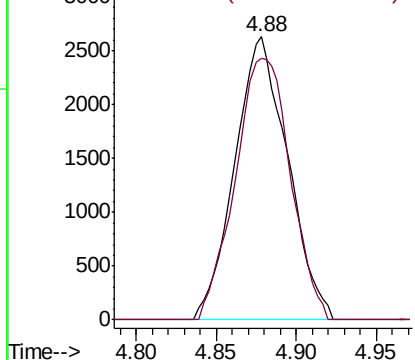


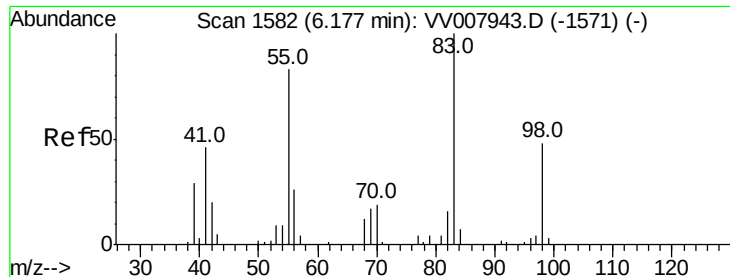
#31  
Carbon tetrachloride  
Concen: 0.679 ug/L  
RT: 4.88 min Scan# 1178  
Delta R.T. 0.00 min  
Lab File: VV007947.D  
Acq: 28 Sep 2018 12:11

Tgt Ion: 117 Resp: 5955  
Ion Ratio Lower Upper  
117 100  
119 96.3 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 118.90 (118.60 to 119.60): V





#35

Methylvlcyclohexane

Concen: 0.732 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007947.D

Acq: 28 Sep 2018 12:11

Instrument :

MSVOA\_V

ClientSampleId :

GAC23

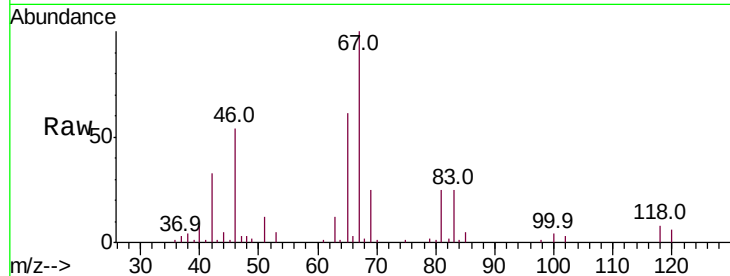
Tot Ion: 83 Resp: 7452

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

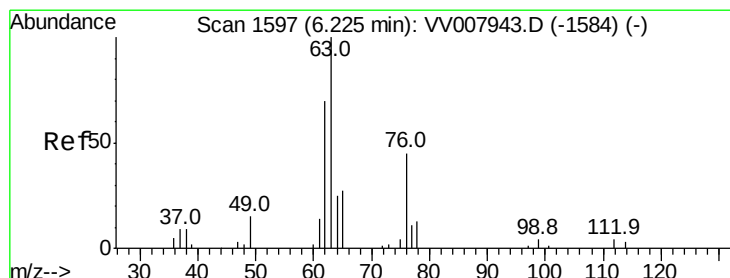
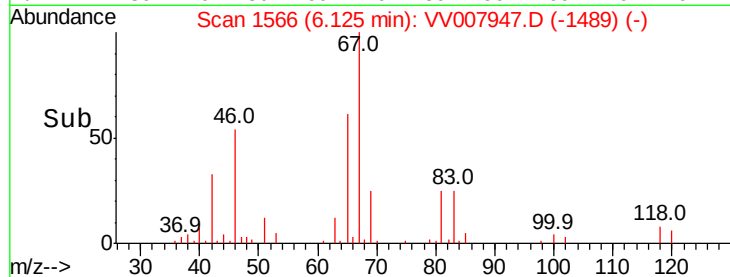
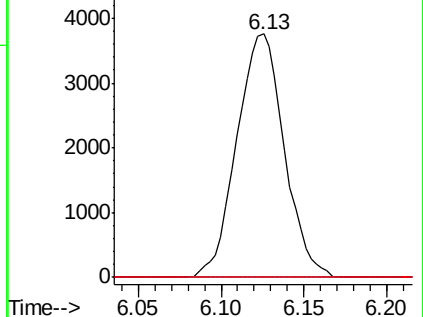
98 0.0 38.0 57.0#



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: 0.600 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV007947.D

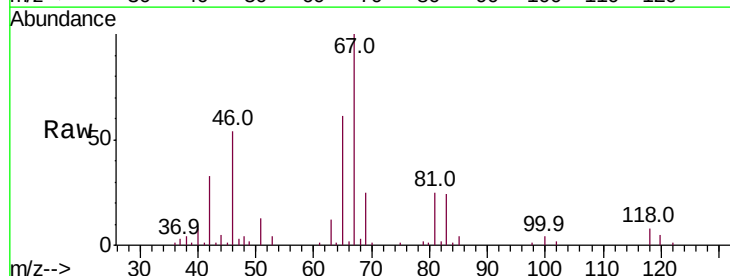
Acq: 28 Sep 2018 12:11

Tgt Ion: 63 Resp: 3632

Ion Ratio Lower Upper

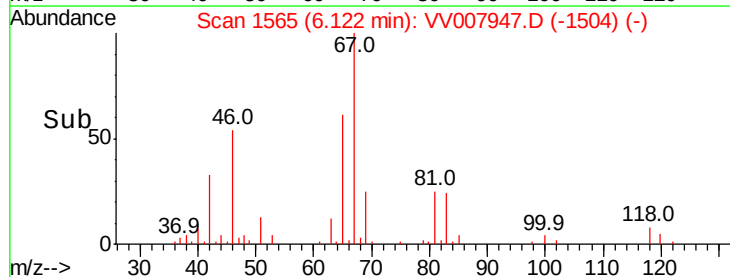
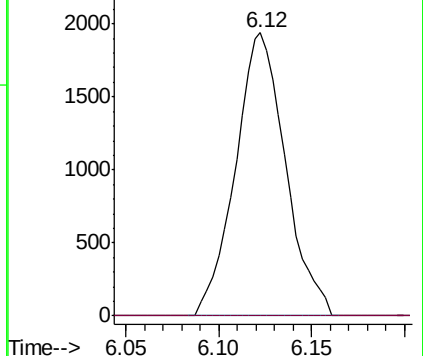
63 100

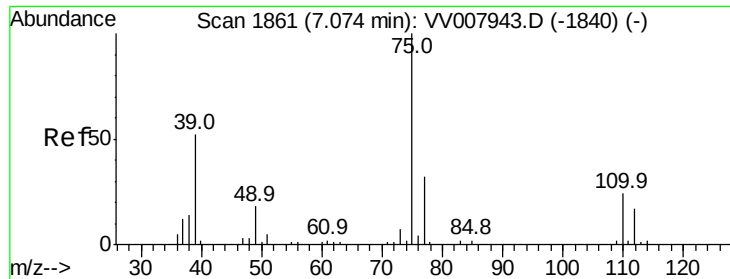
112 0.0 3.4 5.0#



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: 0.089 ug/L  
 RT: 7.03 min Scan# 1847  
 Delta R.T. -0.04 min  
 Lab File: VV007947.D  
 Acq: 28 Sep 2018 12:11

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAC23

Tot Ion: 75 Resp: 723  
 Ion Ratio Lower Upper  
 75 100  
 77 47.9 22.9 42.5#

