

Data File : VV011576.D  
Acq On : 18 Jun 2019 15:33  
Operator : SY/MD  
Sample : K3314-07  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Quant Time: Jun 19 02:12:20 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jun 19 02:08:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 169156   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 154712   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 59658    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 57060    | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 41801    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.20% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 88246    | 3.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 172445   | 47.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.96%  |
| 24) Chloroform-d               | 4.40   | 84    | 120265   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 70171    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.40% |
| 32) Benzene-d6                 | 5.09   | 84    | 236680   | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.60% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 74480    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.60% |
| 41) Toluene-d8                 | 7.36   | 98    | 200010   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 21010    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 129840   | 46.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 92.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 48792    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 65363    | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.80% |

#### Target Compounds

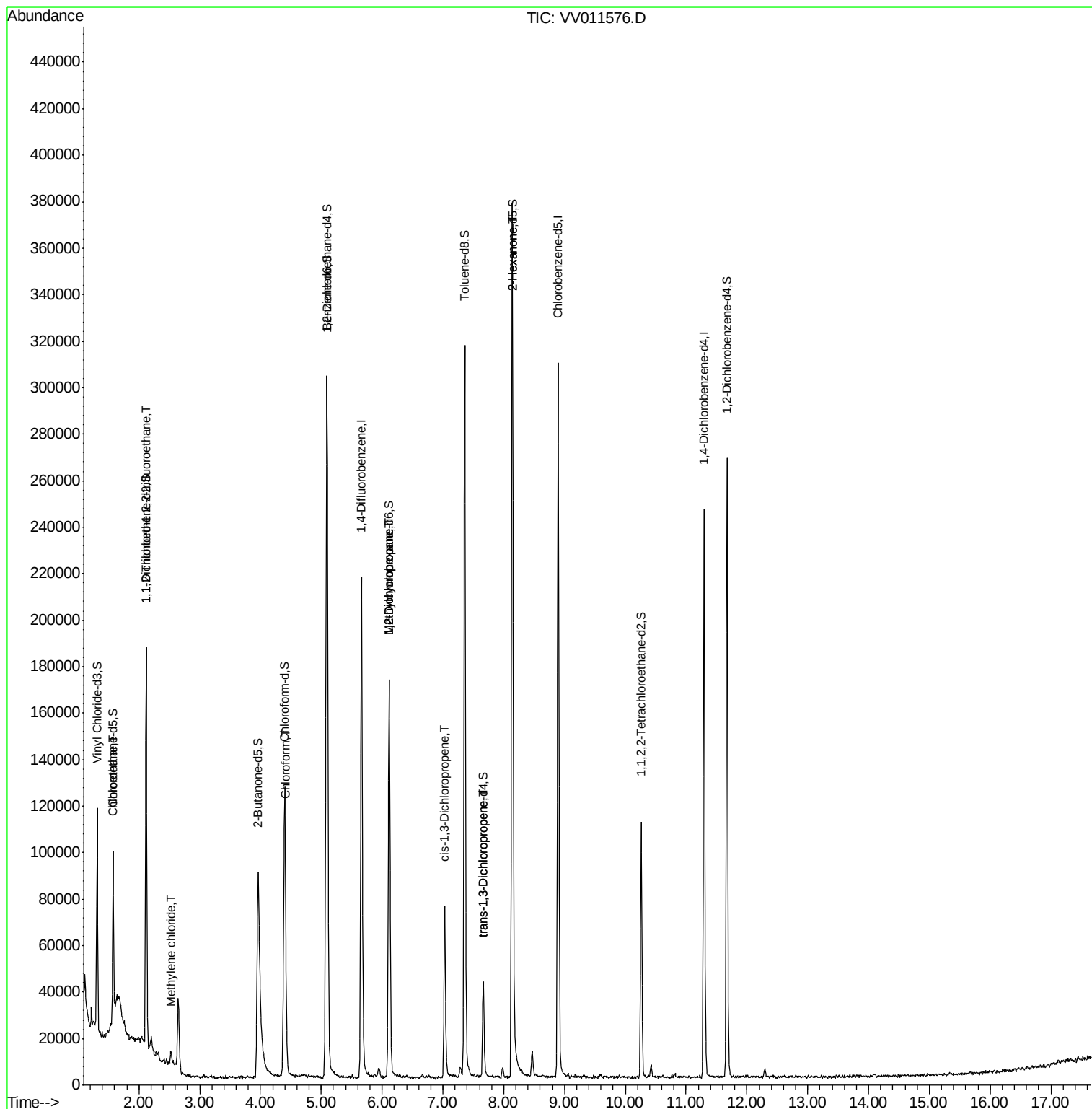
|                                |      |     |       |       |        | Qvalue |
|--------------------------------|------|-----|-------|-------|--------|--------|
| 8) Chloroethane                | 1.59 | 64  | 813   | 0.104 | ug/L # | 55     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 974   | 0.096 | ug/L # | 29     |
| 16) Methylene chloride         | 2.53 | 84  | 1858  | 0.155 | ug/L   | 98     |
| 25) Chloroform                 | 4.42 | 83  | 3027  | 0.123 | ug/L   | 84     |
| 35) Methylcyclohexane          | 6.12 | 83  | 18180 | 0.989 | ug/L # | 15     |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 9513  | 0.707 | ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 2024  | 0.120 | ug/L # | 49     |
| 44) trans-1,3-Dichloropropene  | 7.66 | 75  | 1269  | 0.098 | ug/L   | 93     |
| 48) 2-Hexanone                 | 8.14 | 43  | 17820 | 2.644 | ug/L # | 70     |

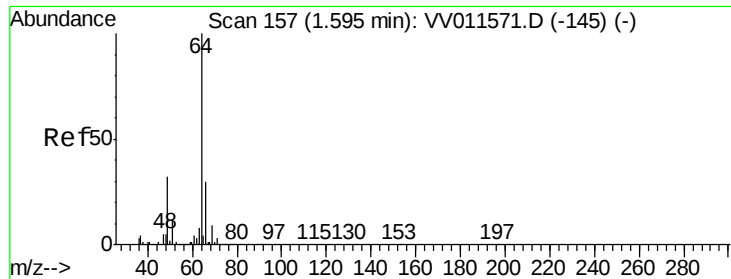
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV011576.D  
Acq On : 18 Jun 2019 15:33  
Operator : SY/MD  
Sample : K3314-07  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Quant Time: Jun 19 02:12:20 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jun 19 02:08:53 2019  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.104 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV011576.D

Acq: 18 Jun 2019 15:33

Instrument :

MSVOA\_V

ClientSampleId :

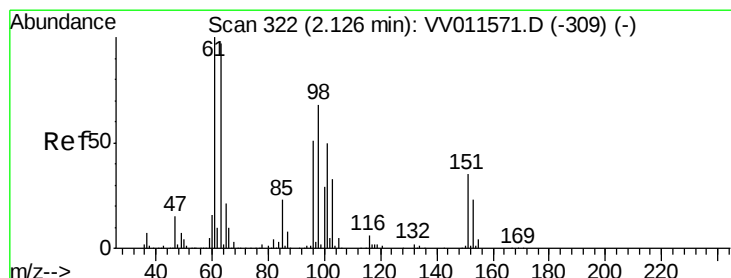
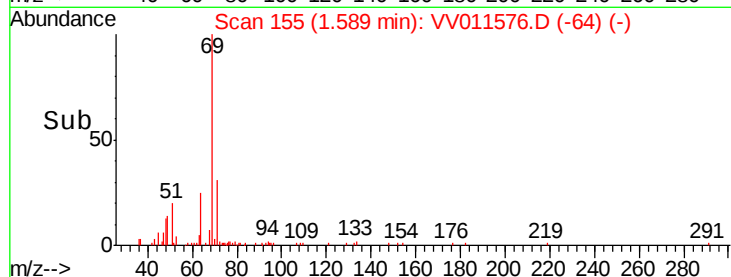
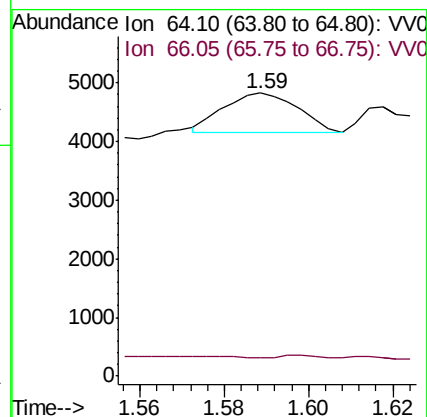
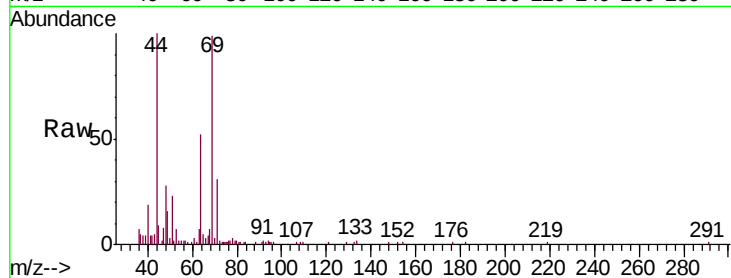
VHBLK01

Tgt Ion: 64 Resp: 813

Ion Ratio Lower Upper

64 100

66 6.4 21.6 40.2#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.096 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV011576.D

Acq: 18 Jun 2019 15:33

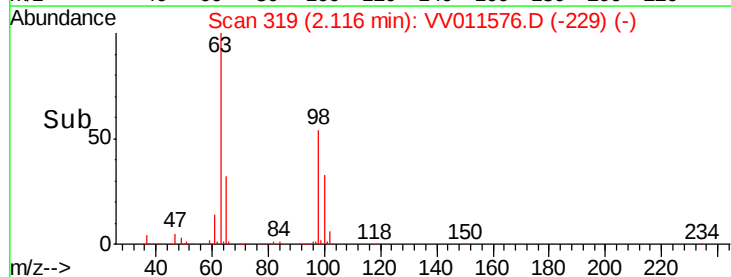
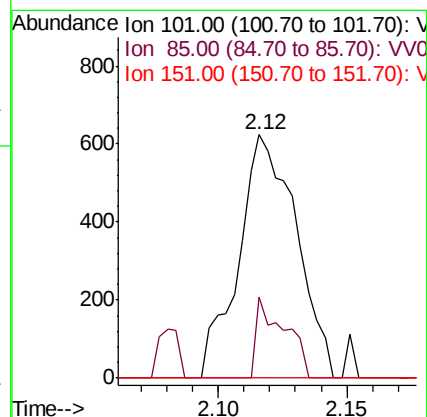
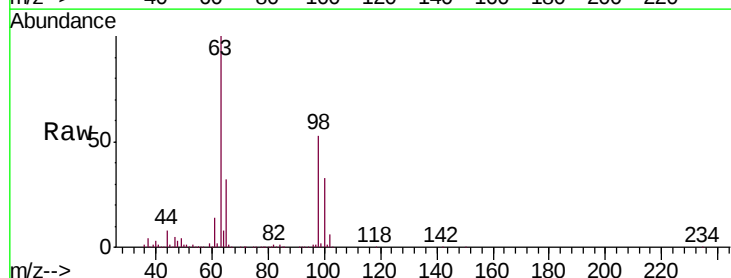
Tgt Ion: 101 Resp: 974

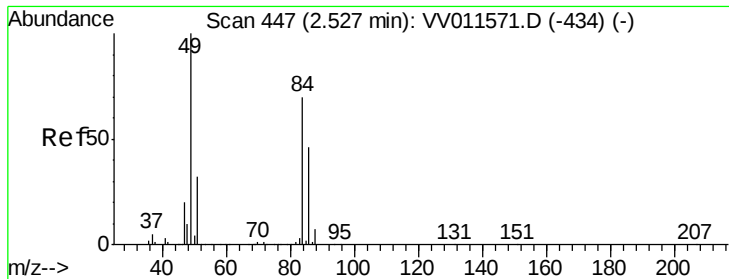
Ion Ratio Lower Upper

101 100

85 16.5 37.3 55.9#

151 0.0 59.4 89.2#

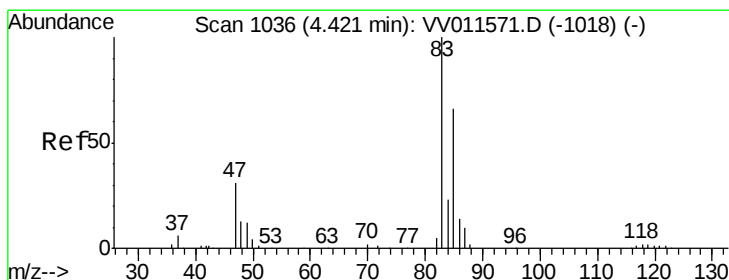
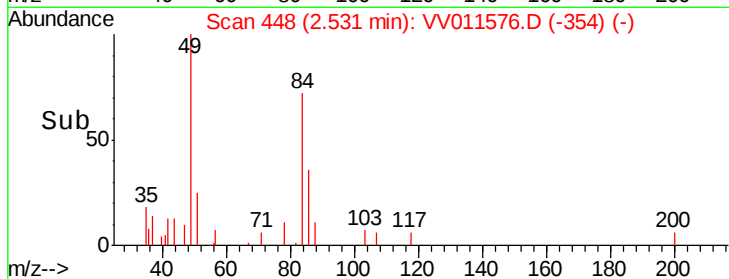
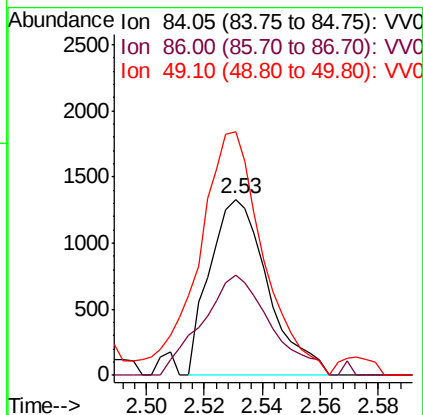
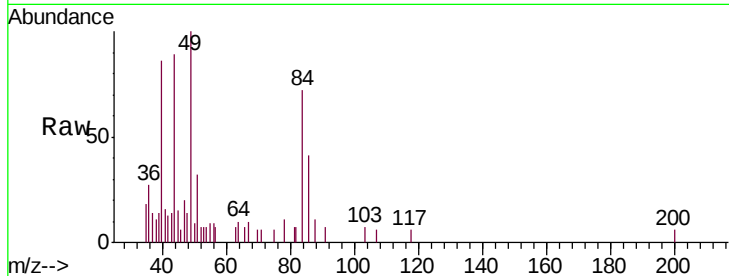




#16  
Methylene chloride  
Concen: 0.155 ug/L  
RT: 2.53 min Scan# 448  
Delta R.T. 0.00 min  
Lab File: VV011576.D  
Acq: 18 Jun 2019 15:33

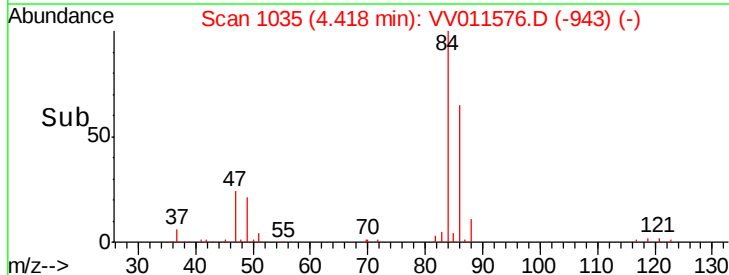
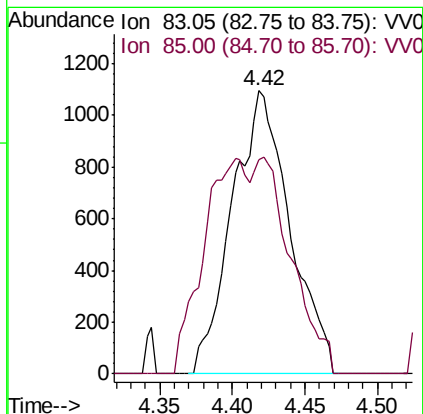
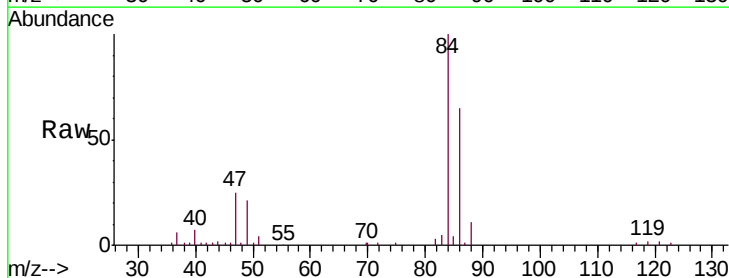
Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

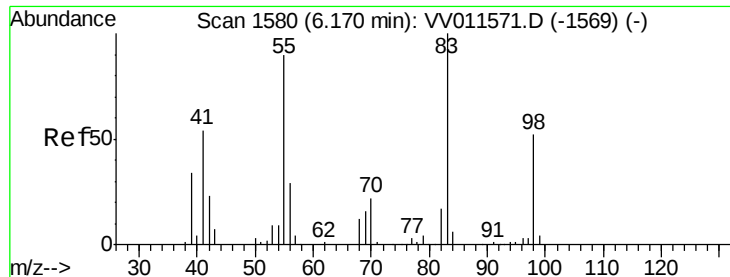
Tgt Ion: 84 Resp: 1858  
Ion Ratio Lower Upper  
84 100  
86 56.9 42.5 78.9  
49 138.0 97.7 181.5



#25  
Chloroform  
Concen: 0.123 ug/L  
RT: 4.42 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: VV011576.D  
Acq: 18 Jun 2019 15:33

Tgt Ion: 83 Resp: 3027  
Ion Ratio Lower Upper  
83 100  
85 75.9 44.6 82.8





#35

Methylcyclohexane

Concen: 0.989 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV011576.D

Acq: 18 Jun 2019 15:33

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK01

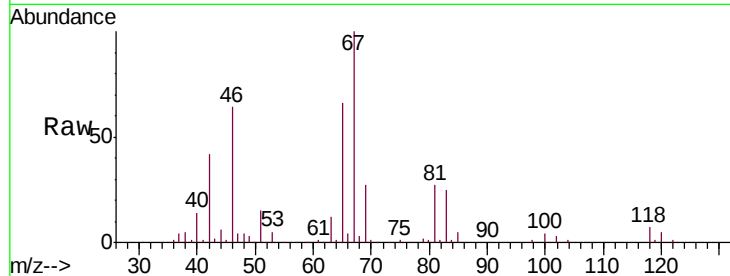
Tgt Ion: 83 Resp: 18180

Ion Ratio Lower Upper

83 100

55 0.4 67.9 101.9#

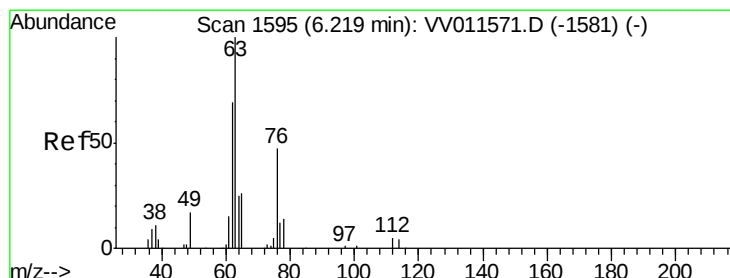
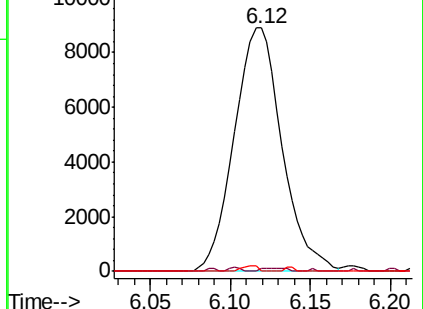
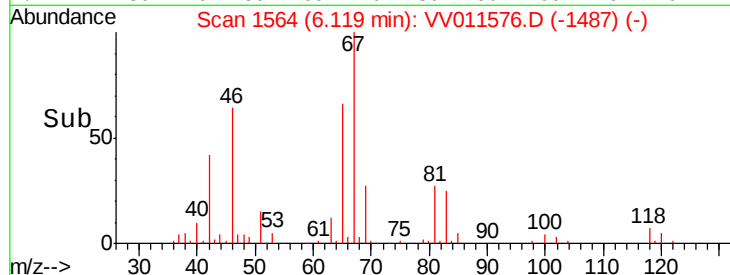
98 0.7 39.6 59.4#



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: 0.707 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011576.D

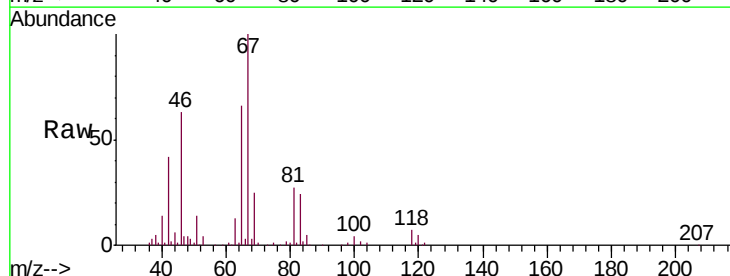
Acq: 18 Jun 2019 15:33

Tgt Ion: 63 Resp: 9513

Ion Ratio Lower Upper

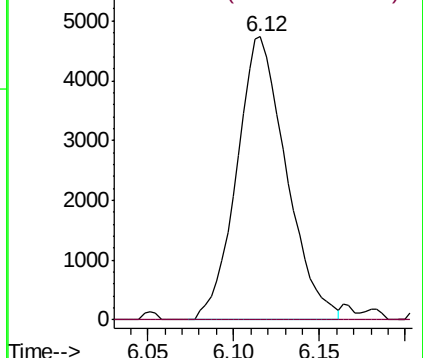
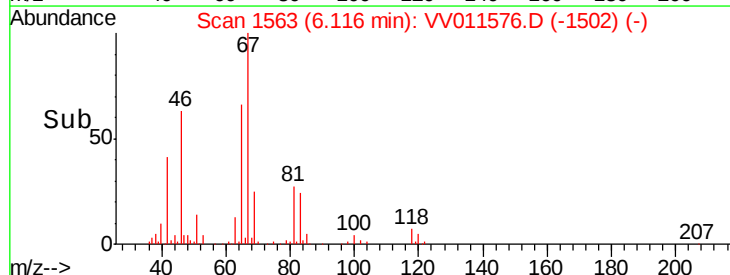
63 100

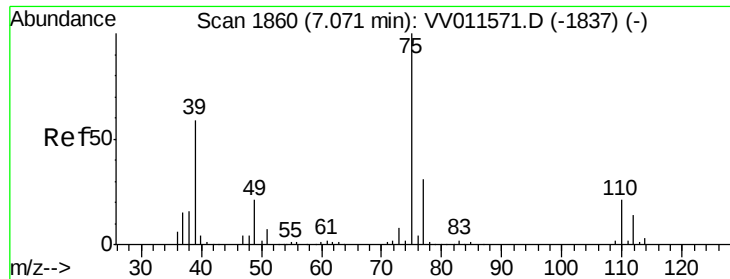
112 0.5 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

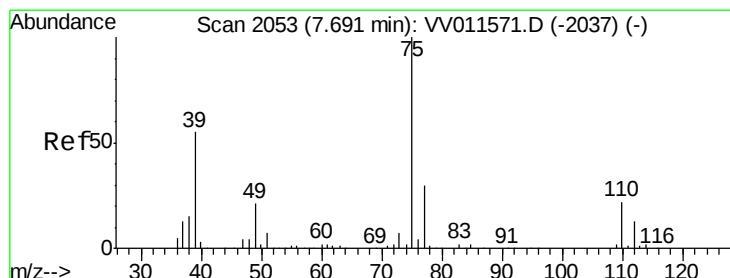
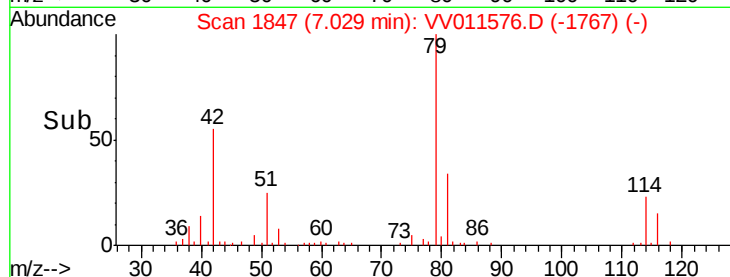
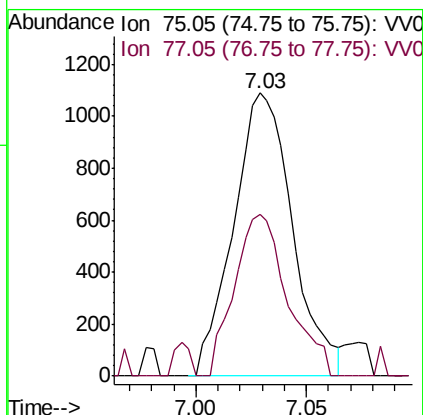
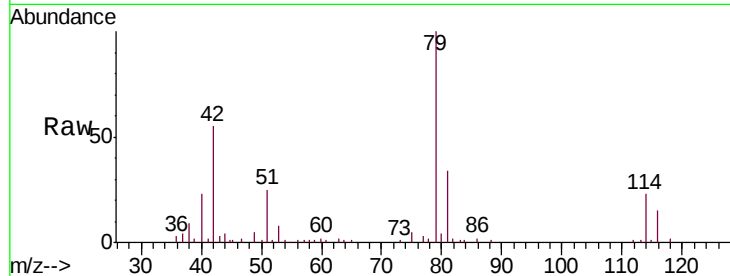




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.120 ug/L  
 RT: 7.03 min Scan# 1847  
 Delta R.T. -0.04 min  
 Lab File: VV011576.D  
 Acq: 18 Jun 2019 15:33

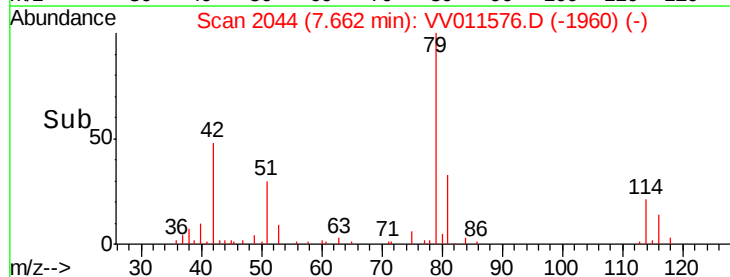
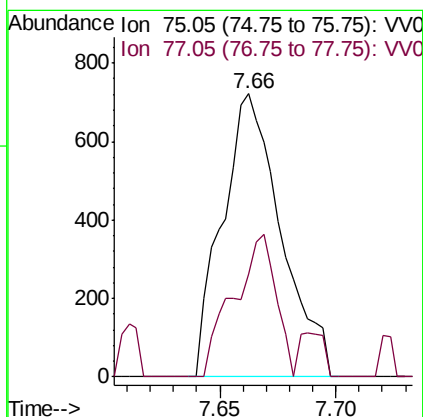
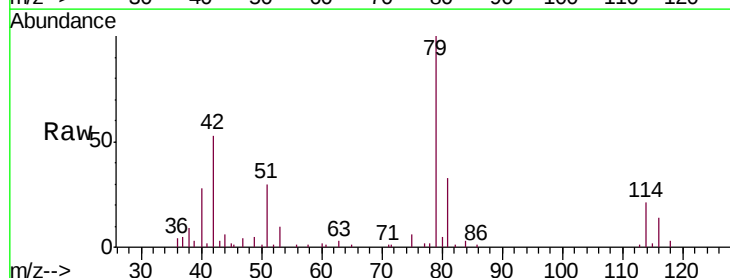
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK01

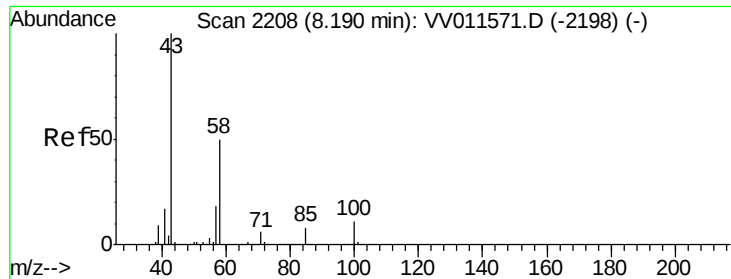
Tgt Ion: 75 Resp: 2024  
 Ion Ratio Lower Upper  
 75 100  
 77 56.9 20.6 38.4#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.098 ug/L  
 RT: 7.66 min Scan# 2044  
 Delta R.T. -0.03 min  
 Lab File: VV011576.D  
 Acq: 18 Jun 2019 15:33

Tgt Ion: 75 Resp: 1269  
 Ion Ratio Lower Upper  
 75 100  
 77 36.3 22.8 42.4





#48

2-Hexanone

Concen: 2.644 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV011576.D

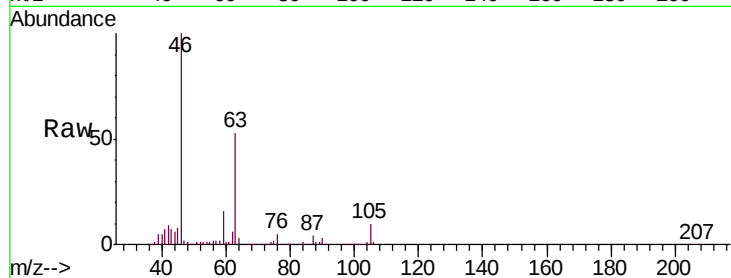
Acq: 18 Jun 2019 15:33

Instrument :

MSVOA\_V

ClientSampleId :

VHBLK01



Tgt Ion: 43 Resp: 17820

Ion Ratio Lower Upper

43 100

58 27.4 40.6 60.8#

57 27.6 14.2 21.4#

100 1.2 8.6 12.8#

