

Data File : VV011224.D  
Acq On : 05 Jun 2019 11:01  
Operator : SY/MD  
Sample : VV0605WBL01  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK46

Quant Time: Jun 06 05:46:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Jun 06 05:43:55 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 168038   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 156498   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 64596    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 61210    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 96.20%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 48607    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 92709    | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.80%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 141240   | 49.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.54%  |
| 24) Chloroform-d               | 4.40   | 84    | 108576   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 60025    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.00%  |
| 32) Benzene-d6                 | 5.09   | 84    | 229115   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 68217    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 198789   | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.40%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 24486    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.00%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 116359   | 50.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.20% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 45268    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 62512    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.00%  |

#### Target Compounds

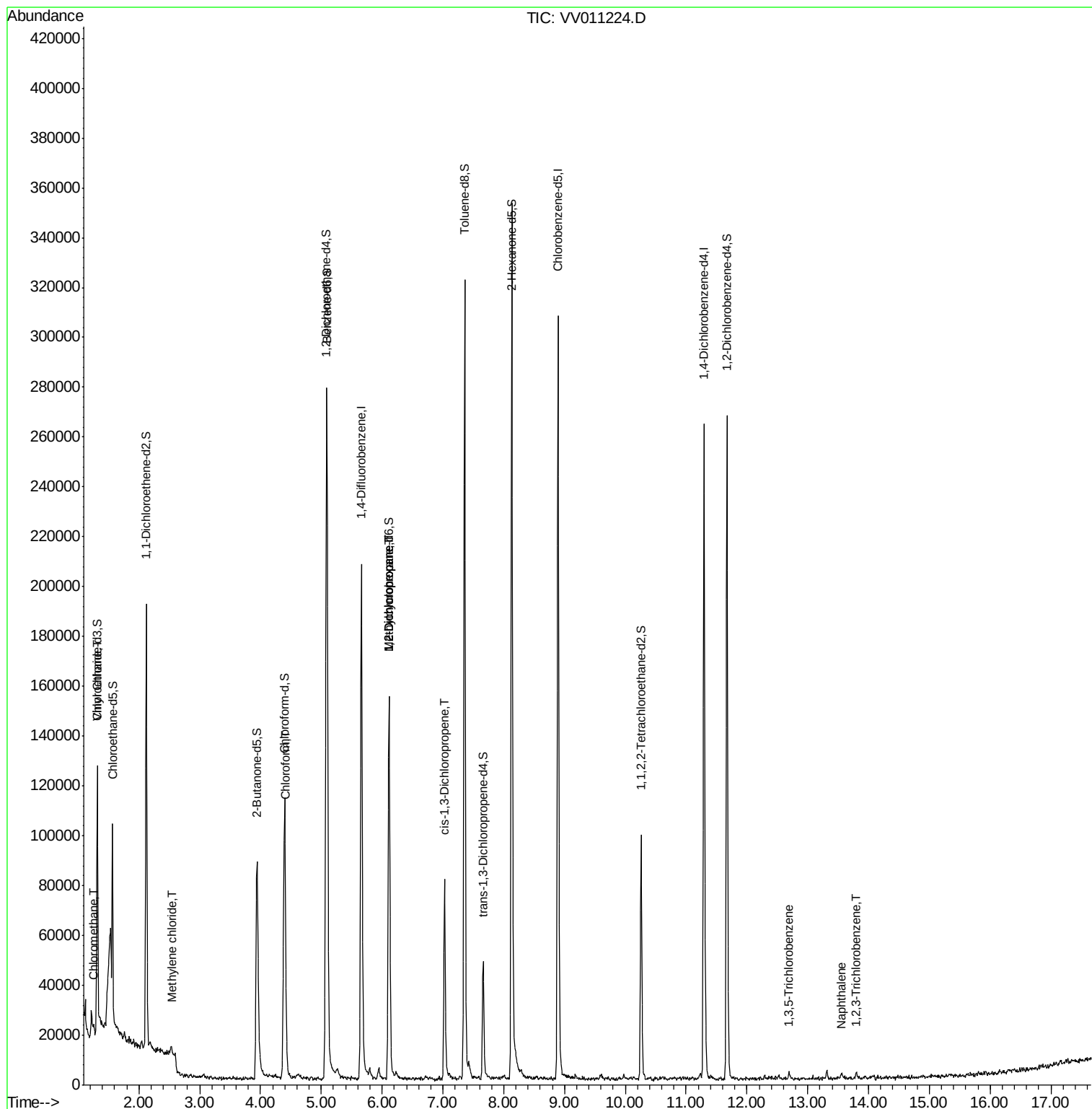
|                             |       |     |       |              | Qvalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane            | 1.25  | 50  | 1361  | 0.085 ug/L   | 89     |
| 8) Chloroethane             | 1.32  | 64  | 4102  | 0.415 ug/L   | 89     |
| 16) Methylene chloride      | 2.53  | 84  | 1338  | 0.123 ug/L   | 80     |
| 25) Chloroform              | 4.42  | 83  | 3780  | 0.157 ug/L   | 98     |
| 35) Methylcyclohexane       | 6.11  | 83  | 16745 | 0.787 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.11  | 63  | 8767  | 0.707 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.03  | 75  | 2267  | 0.125 ug/L # | 57     |
| 67) 1,3,5-Trichlorobenzene  | 12.70 | 180 | 651   | 0.042 ug/L   | 88     |
| 69) Naphthalene             | 13.55 | 128 | 1848  | 0.097 ug/L # | 94     |
| 70) 1,2,3-Trichlorobenzene  | 13.80 | 180 | 809   | 0.077 ug/L # | 93     |

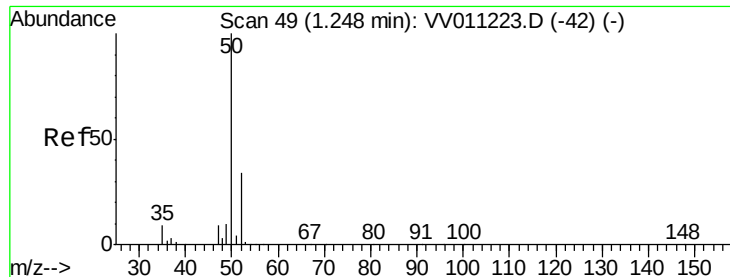
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.085 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011224.D

Acq: 05 Jun 2019 11:01

Instrument :

MSVOA\_V

ClientSampled :

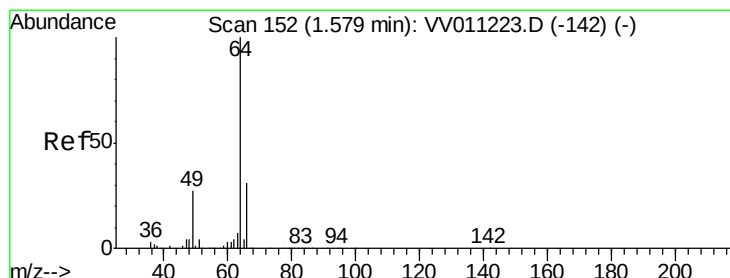
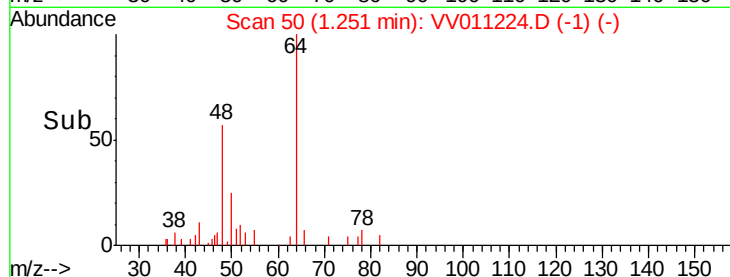
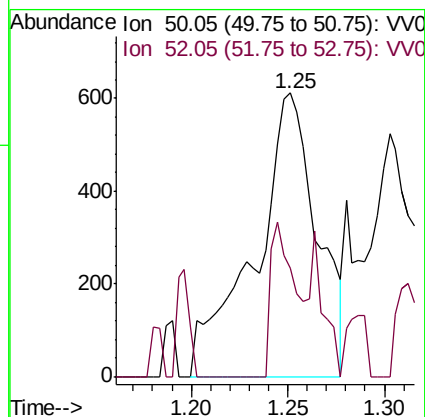
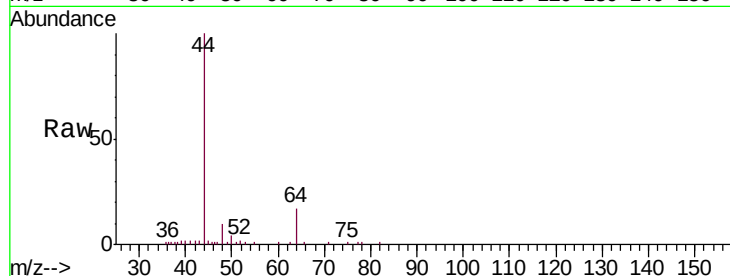
VBLK46

Tgt Ion: 50 Resp: 1361

Ion Ratio Lower Upper

50 100

52 38.1 22.3 41.5



#8

Chloroethane

Concen: 0.415 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.26 min

Lab File: VV011224.D

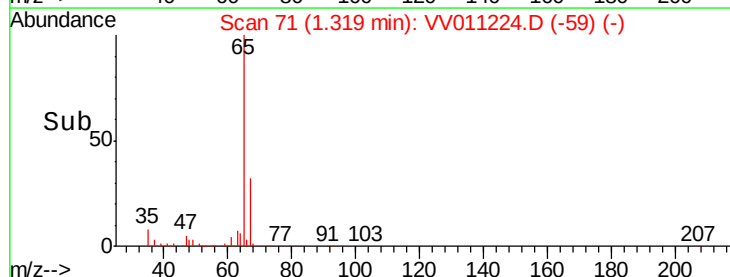
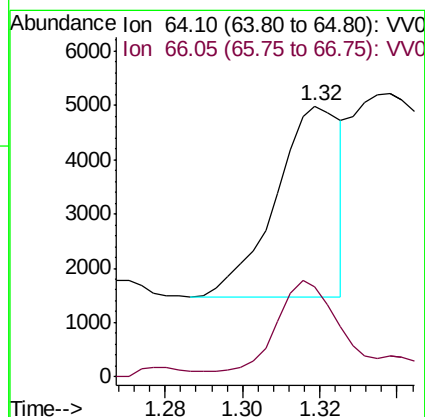
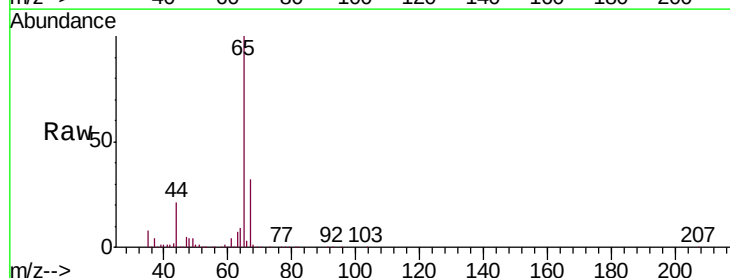
Acq: 05 Jun 2019 11:01

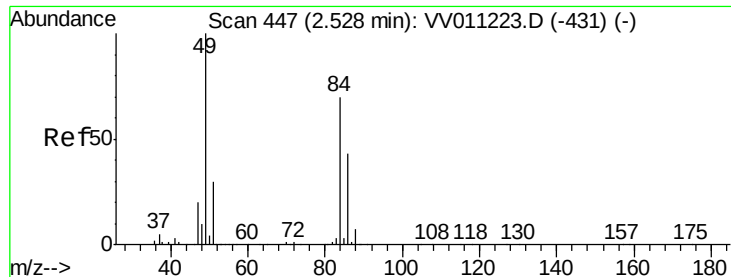
Tgt Ion: 64 Resp: 4102

Ion Ratio Lower Upper

64 100

66 33.3 19.4 36.0

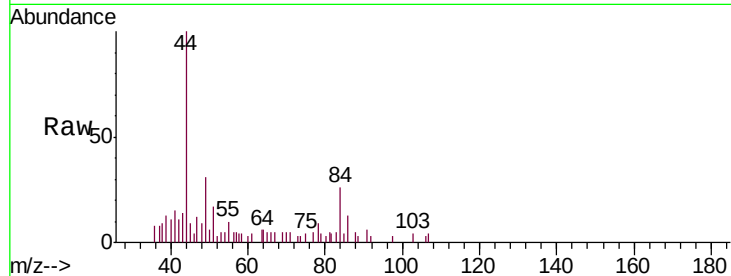




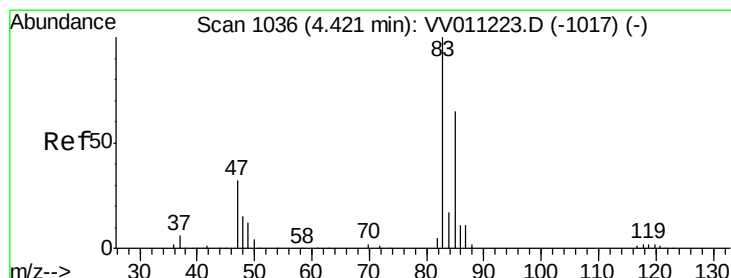
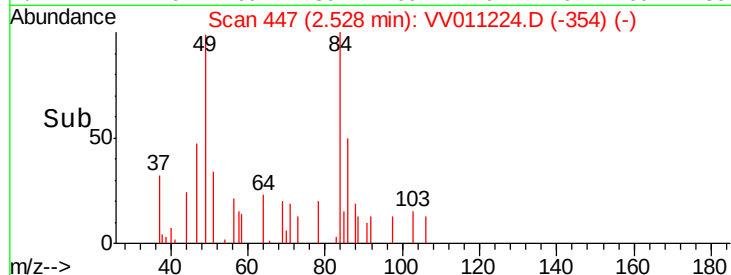
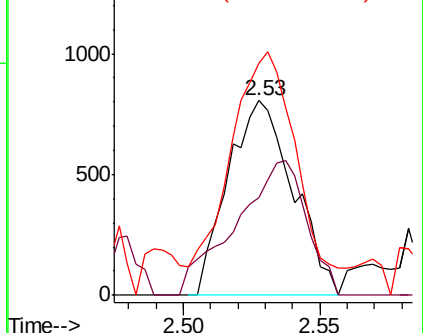
#16  
Methylene chloride  
Concen: 0.123 ug/L  
RT: 2.53 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: VV011224.D  
Acq: 05 Jun 2019 11:01

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK46

Tgt Ion: 84 Resp: 1338  
Ion Ratio Lower Upper  
84 100  
86 50.1 44.9 83.3  
49 119.4 102.1 189.5

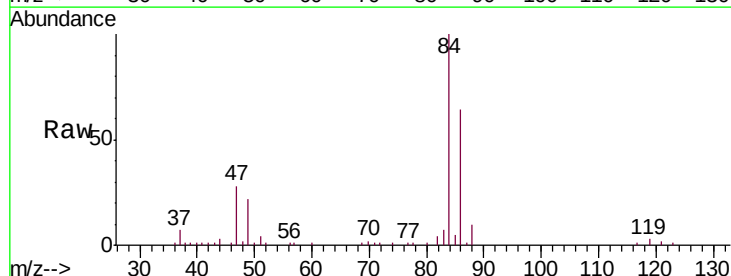


Abundance Ion 84.05 (83.75 to 84.75): VV0  
Ion 86.00 (85.70 to 86.70): VV0  
Ion 49.10 (48.80 to 49.80): VV0

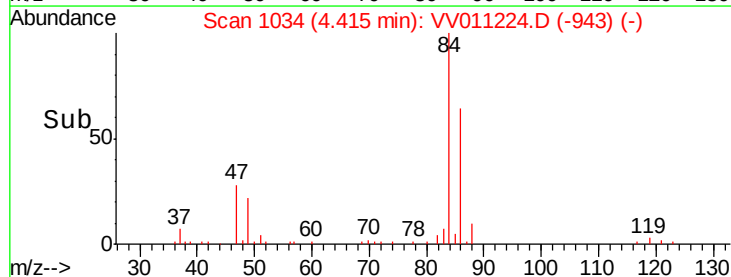
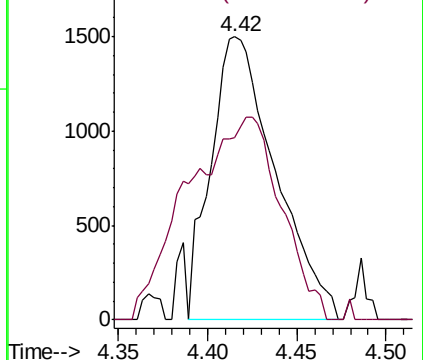


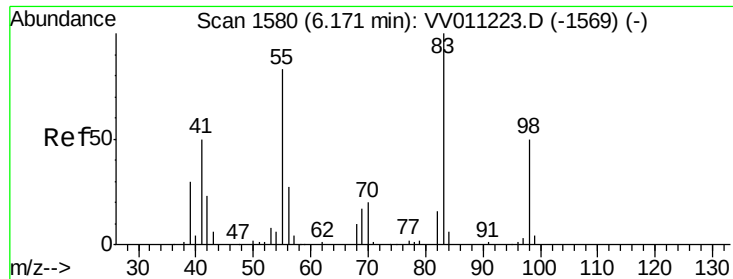
#25  
Chloroform  
Concen: 0.157 ug/L  
RT: 4.42 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VV011224.D  
Acq: 05 Jun 2019 11:01

Tgt Ion: 83 Resp: 3780  
Ion Ratio Lower Upper  
83 100  
85 64.6 44.1 81.9



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





#35

Methylcyclohexane

Concen: 0.787 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV011224.D

Acq: 05 Jun 2019 11:01

Instrument :

MSVOA\_V

ClientSampleId :

VBLK46

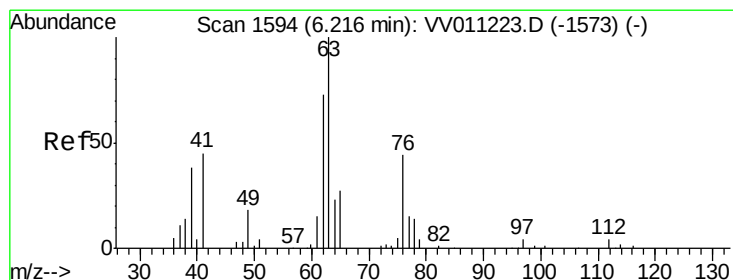
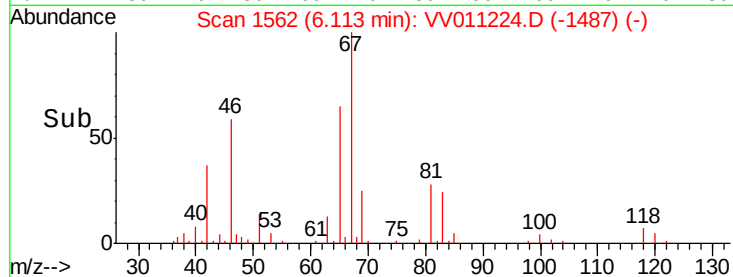
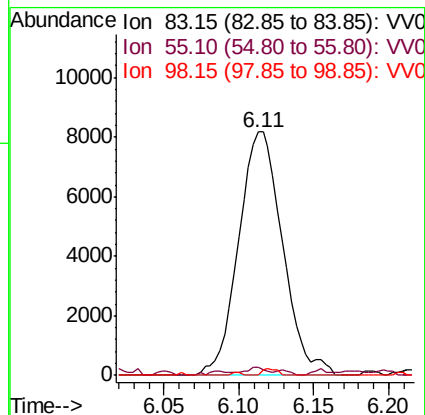
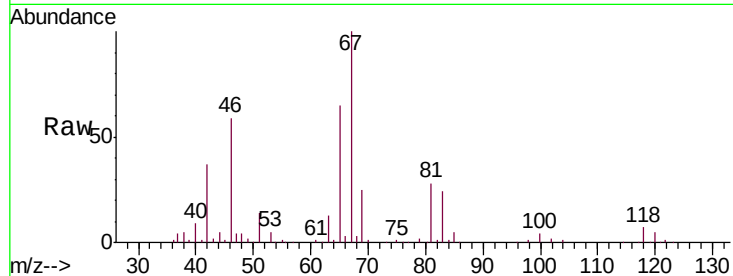
Tgt Ion: 83 Resp: 16745

Ion Ratio Lower Upper

83 100

55 1.7 67.0 100.6#

98 0.9 40.0 60.0#



#37

1,2-Dichloropropane

Concen: 0.707 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV011224.D

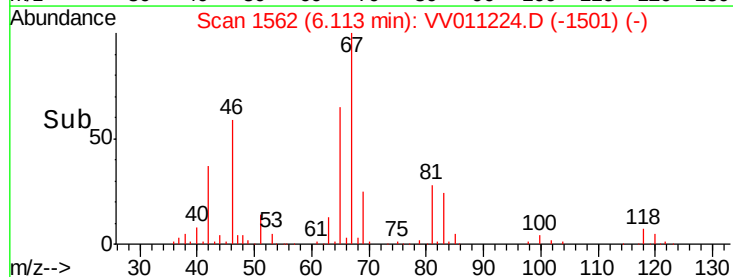
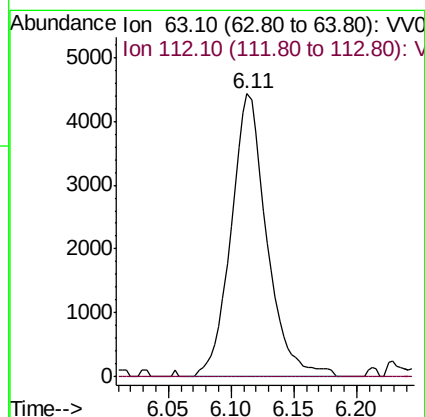
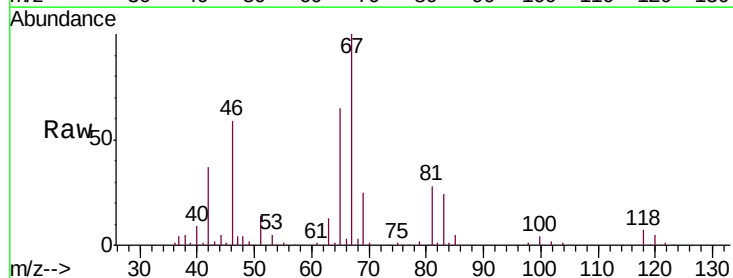
Acq: 05 Jun 2019 11:01

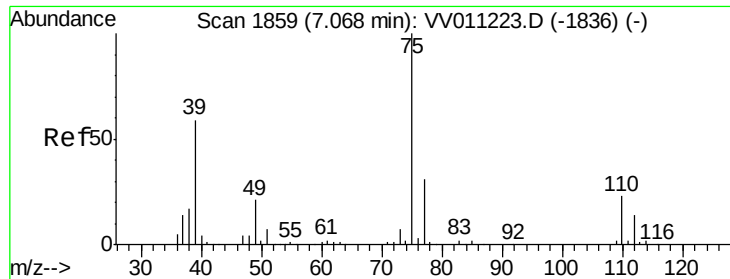
Tgt Ion: 63 Resp: 8767

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#

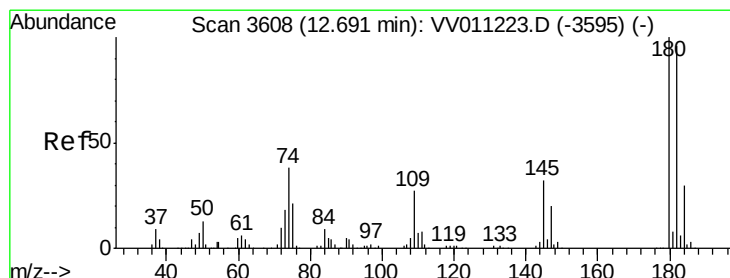
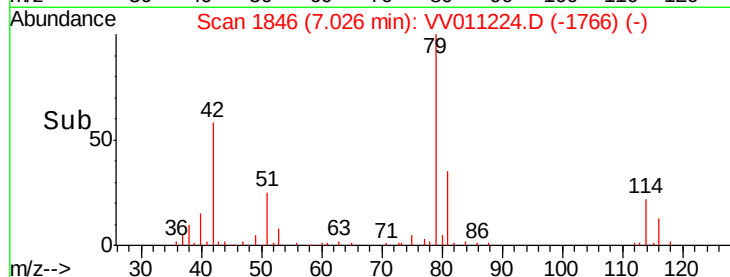
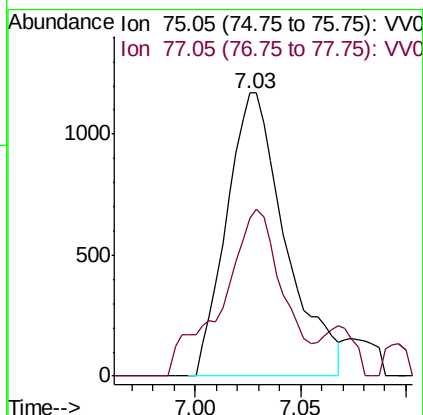
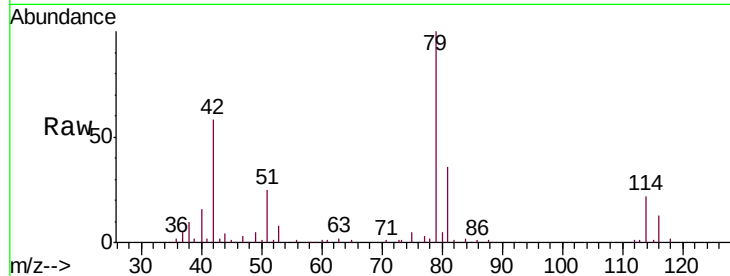




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.125 ug/L  
 RT: 7.03 min Scan# 1846  
 Delta R.T. -0.04 min  
 Lab File: VV011224.D  
 Acq: 05 Jun 2019 11:01

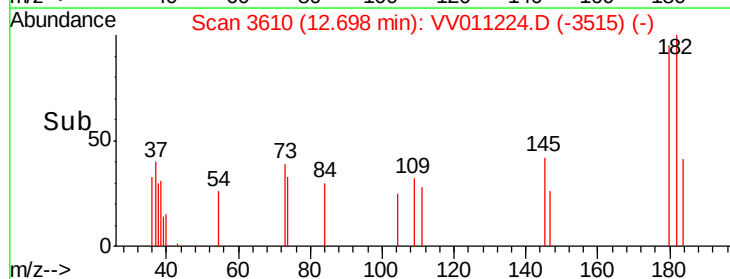
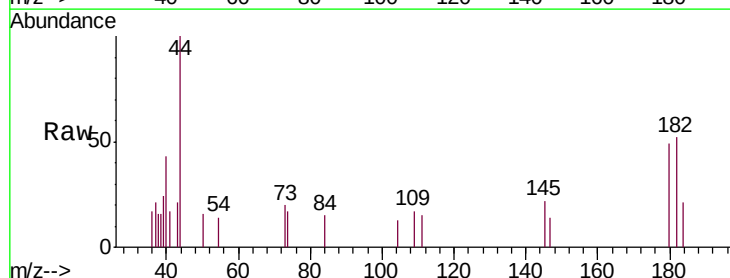
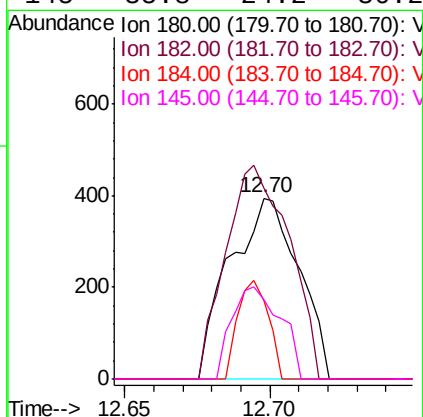
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK46

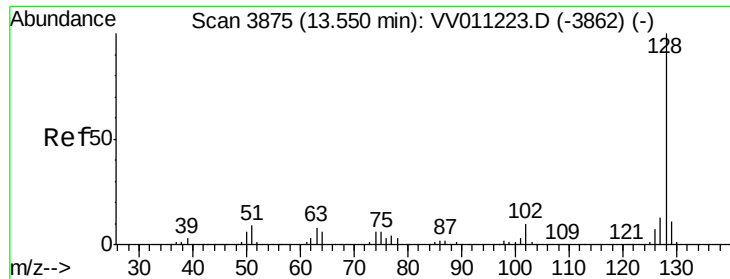
Tgt Ion: 75 Resp: 2267  
 Ion Ratio Lower Upper  
 75 100  
 77 55.7 22.2 41.2#



#67  
 1,3,5-Trichlorobenzene  
 Concen: 0.042 ug/L  
 RT: 12.70 min Scan# 3610  
 Delta R.T. 0.01 min  
 Lab File: VV011224.D  
 Acq: 05 Jun 2019 11:01

Tgt Ion: 180 Resp: 651  
 Ion Ratio Lower Upper  
 180 100  
 182 108.6 76.7 115.1  
 184 24.0 23.8 35.8  
 145 35.8 24.2 36.2





#69

Naphthalene

Concen: 0.097 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011224.D

Acq: 05 Jun 2019 11:01

Instrument :

MSVOA\_V

ClientSampled :

VBLK46

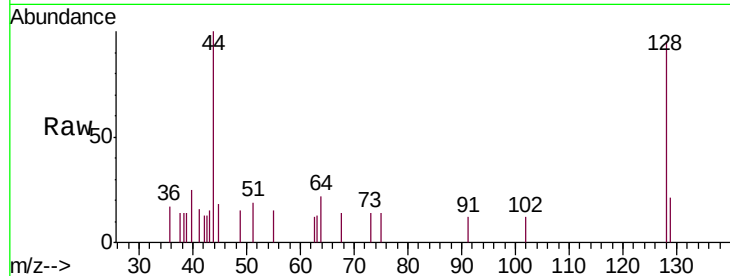
Tgt Ion:128 Resp: 1848

Ion Ratio Lower Upper

128 100

129 12.0 8.9 13.3

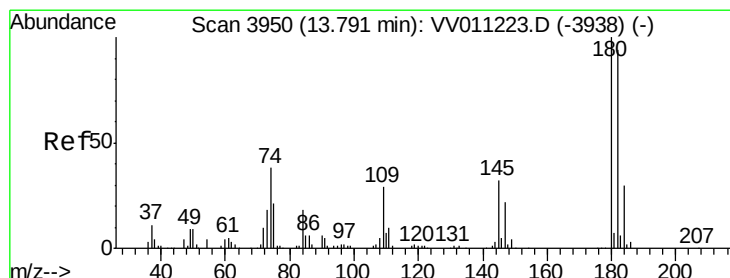
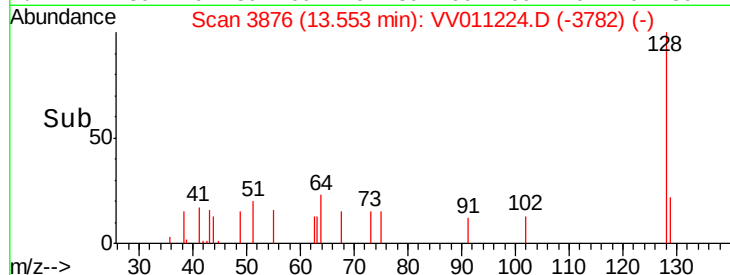
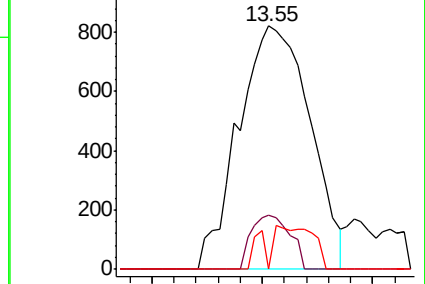
127 9.5 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.077 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VV011224.D

Acq: 05 Jun 2019 11:01

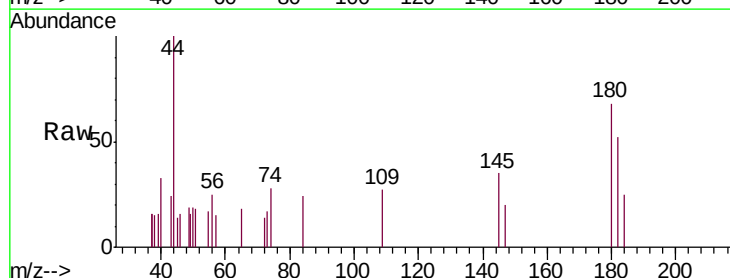
Tgt Ion:180 Resp: 809

Ion Ratio Lower Upper

180 100

182 96.9 78.6 117.8

145 47.2 26.9 40.3#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

