

Data File : VV008575.D  
Acq On : 16 Nov 2018 10:08  
Operator : SY/MD  
Sample : VV1116MBL01  
Misc : 5.00g/5.0mL/100uL/5.0 mL/MSVOA\_V/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK64

Quant Time: Nov 16 23:20:55 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM111518WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 16 23:18:19 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 279838   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 250769   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 100497   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 97150    | 53.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 106.68% |
| 7) Chloroethane-d5             | 1.58    | 69    | 74025    | 59.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 118.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 137078   | 42.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.48%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 182521   | 115.43   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 115.43% |
| 24) Chloroform-d               | 4.40    | 84    | 221267   | 54.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.82% |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 147743   | 56.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 112.74% |
| 32) Benzene-d6                 | 5.10    | 84    | 462620   | 56.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 113.44% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 148208   | 56.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 113.02% |
| 41) Toluene-d8                 | 7.36    | 98    | 408823   | 55.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.36% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 70237    | 55.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 110.98% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 121869   | 108.83   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.83% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 184981   | 55.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 110.58% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 135279   | 58.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 117.98% |

#### Target Compounds

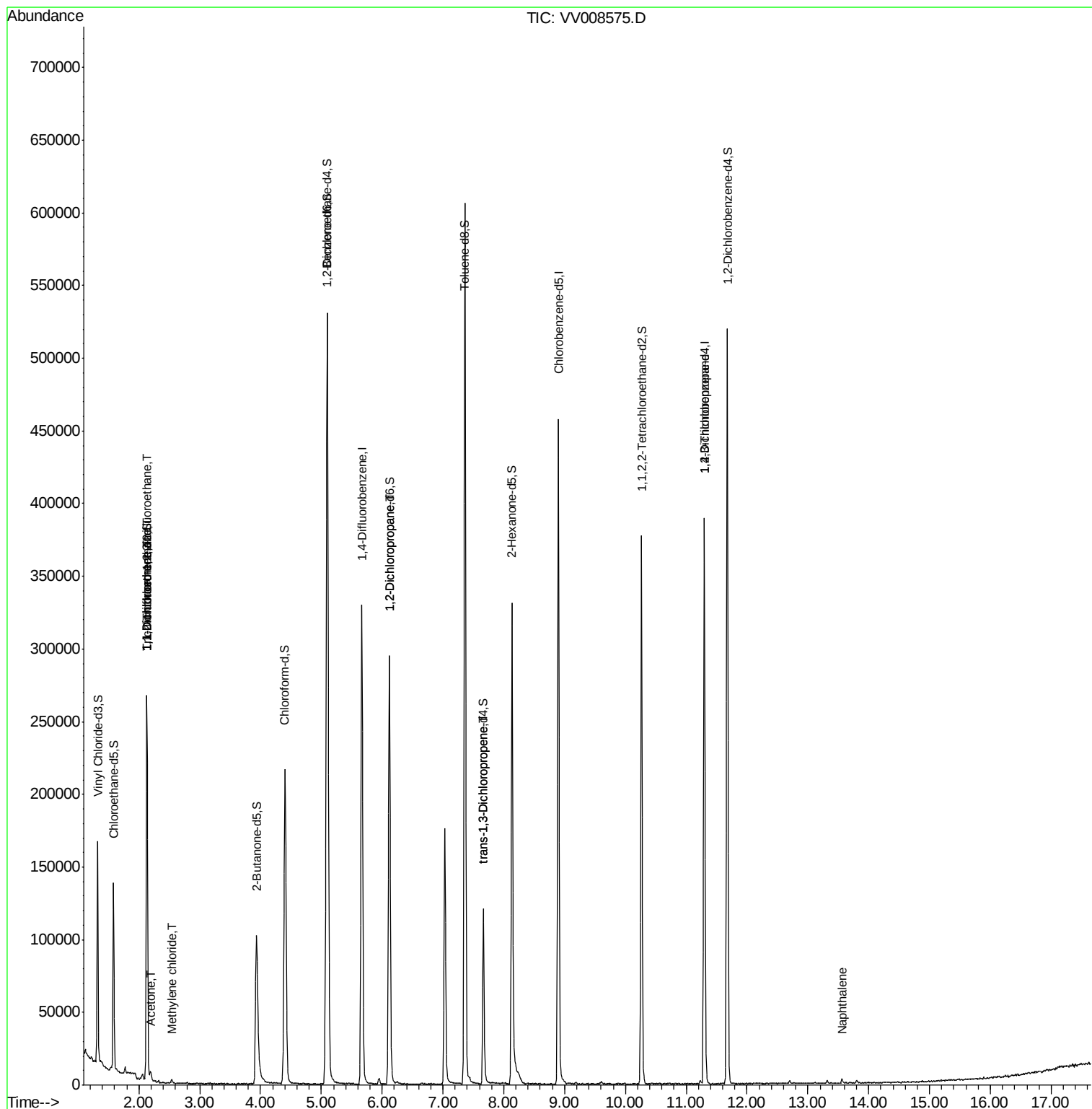
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 9) Trichlorofluoromethane      | 2.14  | 101 | 1190  | 0.457 ug/L # | 24     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14  | 101 | 1190  | 0.799 ug/L # | 19     |
| 12) 1,1-Dichloroethene         | 2.14  | 96  | 1173  | 0.882 ug/L # | 1      |
| 13) Acetone                    | 2.19  | 43  | 2717  | 2.279 ug/L   | 93     |
| 16) Methylene chloride         | 2.54  | 84  | 1145  | 0.537 ug/L   | 82     |
| 37) 1,2-Dichloropropane        | 6.12  | 63  | 16161 | 7.420 ug/L # | 88     |
| 44) trans-1,3-Dichloropropene  | 7.66  | 75  | 2974  | 0.973 ug/L # | 69     |
| 59) 1,2,3-Trichloropropane     | 11.30 | 75  | 12180 | 4.703 ug/L   | 91     |
| 69) Naphthalene                | 13.56 | 128 | 2607  | 0.492 ug/L   | 98     |

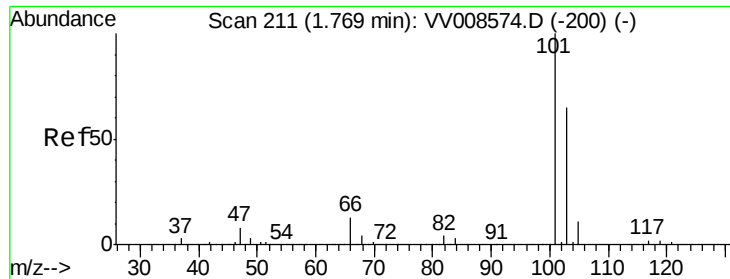
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.457 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.37 min

Lab File: VV008575.D

Acq: 16 Nov 2018 10:08

Instrument :

MSVOA\_V

ClientSampleId :

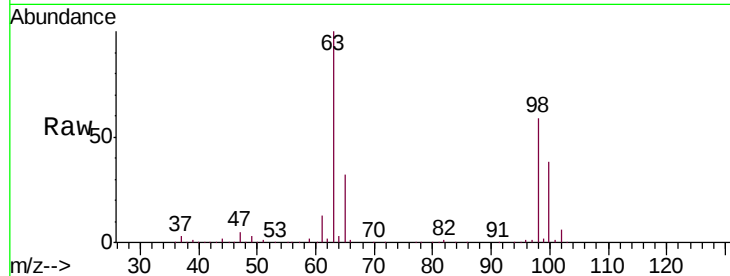
VBLK64

Tgt Ion:101 Resp: 1190

Ion Ratio Lower Upper

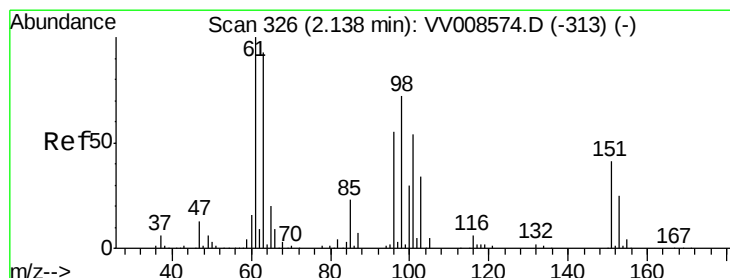
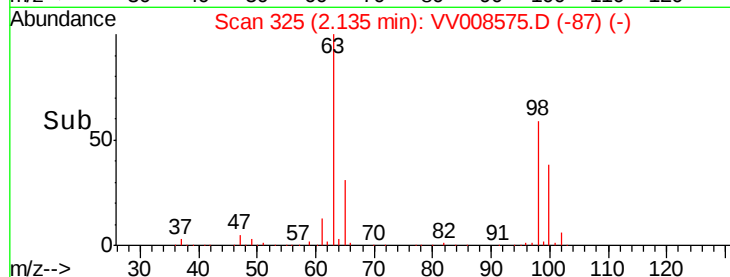
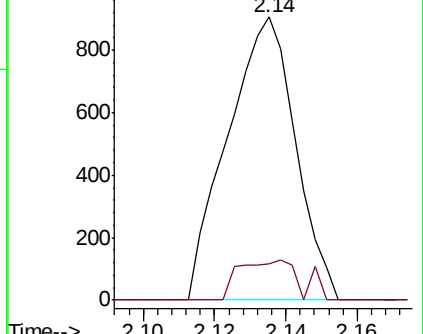
101 100

103 5.5 52.5 78.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.799 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008575.D

Acq: 16 Nov 2018 10:08

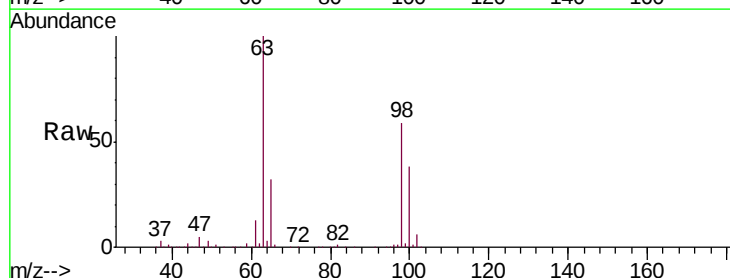
Tgt Ion:101 Resp: 1190

Ion Ratio Lower Upper

101 100

85 0.0 35.7 53.5#

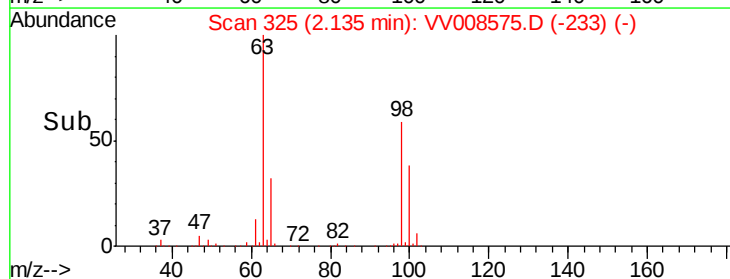
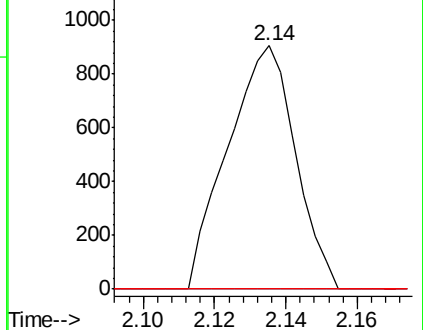
151 0.0 60.9 91.3#

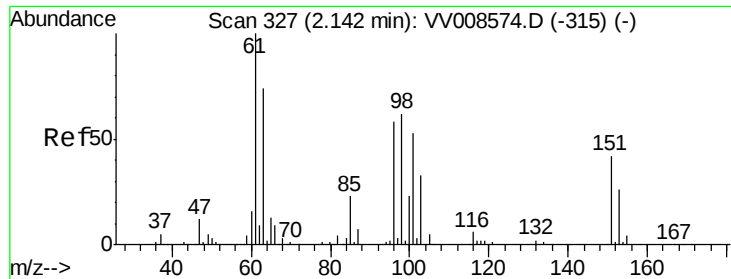


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

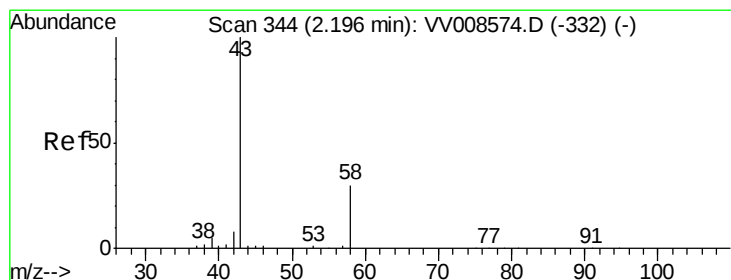
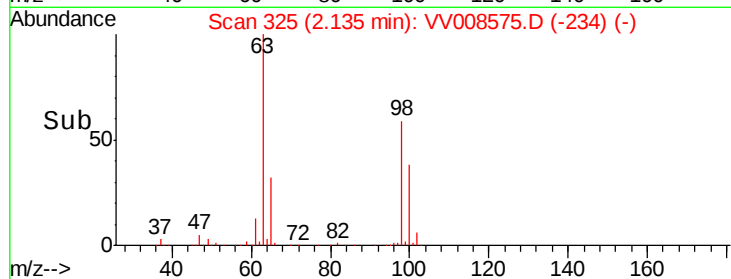
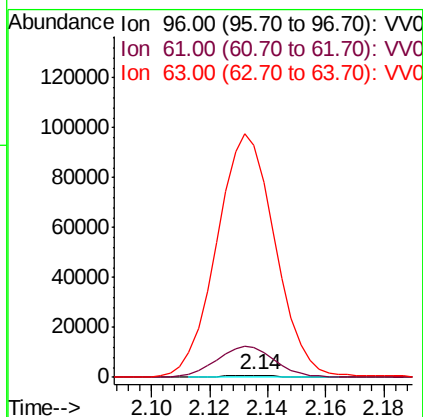
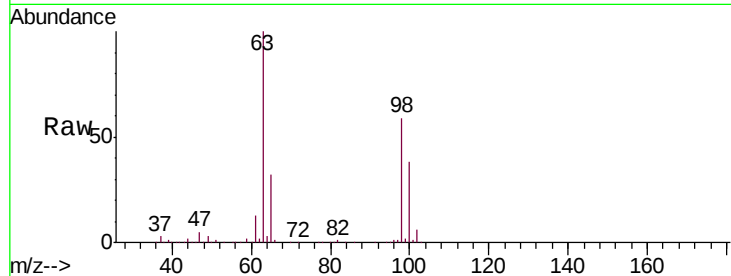




#12  
 1,1-Dichloroethene  
 Concen: 0.882 ug/L  
 RT: 2.14 min Scan# 325  
 Delta R.T. -0.01 min  
 Lab File: VV008575.D  
 Acq: 16 Nov 2018 10:08

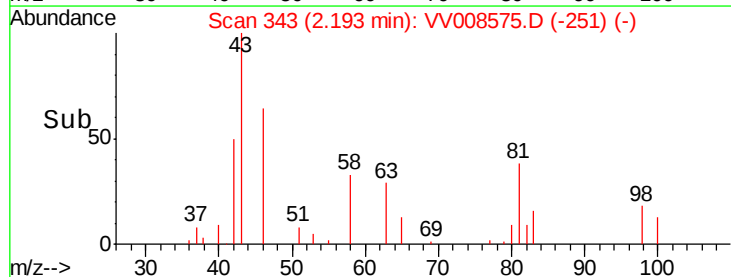
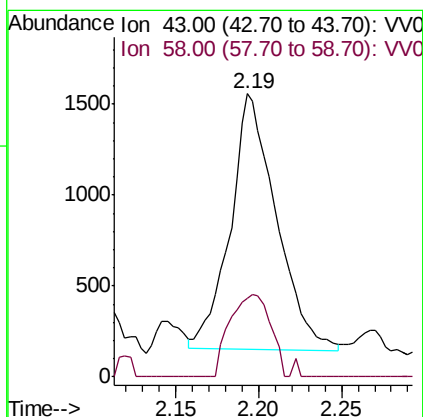
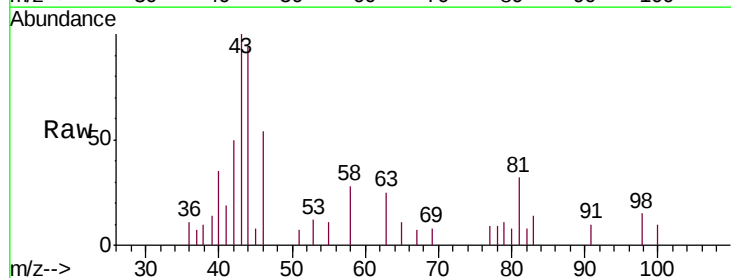
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK64

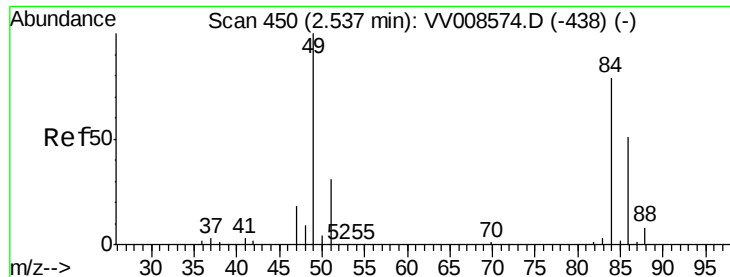
Tgt Ion: 96 Resp: 1173  
 Ion Ratio Lower Upper  
 96 100  
 61 1343.7 125.6 233.2#  
 63 10637.1 108.3 201.1#



#13  
 Acetone  
 Concen: 2.279 ug/L  
 RT: 2.19 min Scan# 343  
 Delta R.T. -0.00 min  
 Lab File: VV008575.D  
 Acq: 16 Nov 2018 10:08

Tgt Ion: 43 Resp: 2717  
 Ion Ratio Lower Upper  
 43 100  
 58 28.3 0.0 64.2

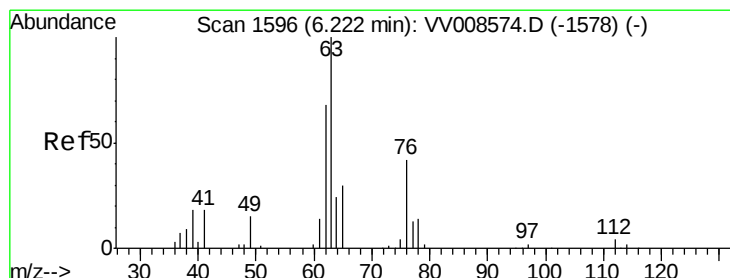
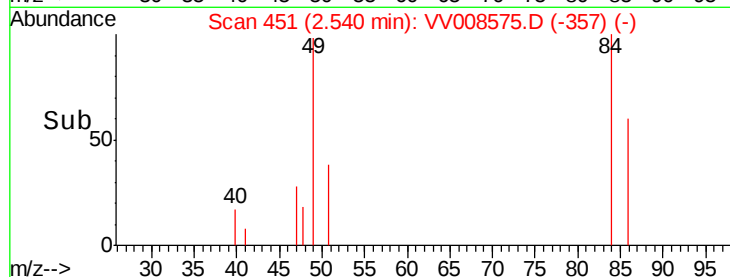
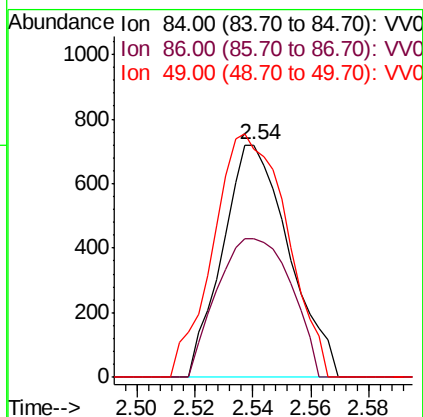
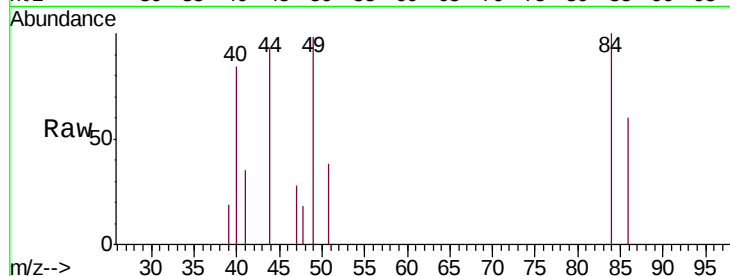




#16  
Methylene chloride  
Concen: 0.537 ug/L  
RT: 2.54 min Scan# 451  
Delta R.T. 0.00 min  
Lab File: VV008575.D  
Acq: 16 Nov 2018 10:08

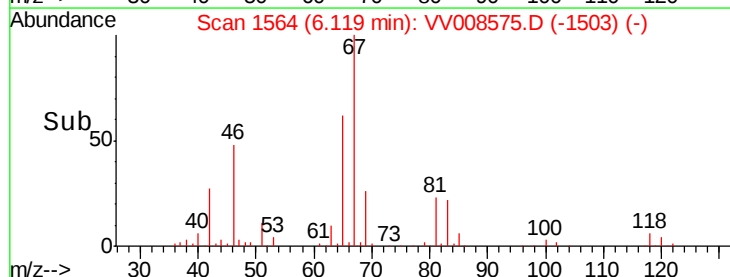
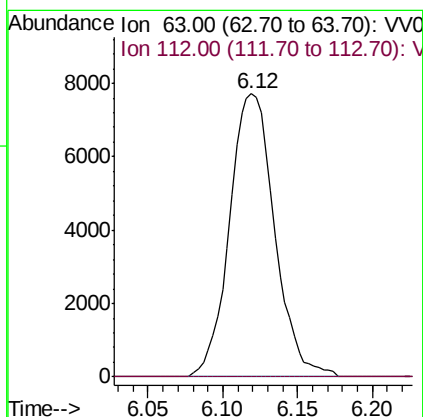
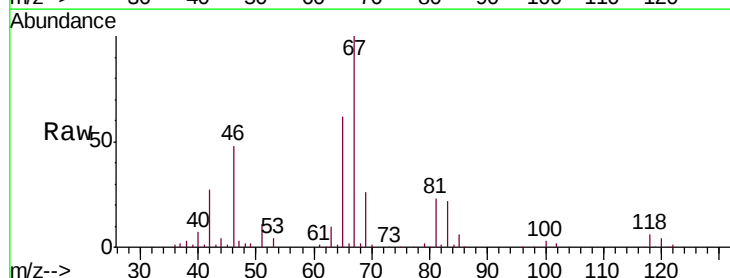
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK64

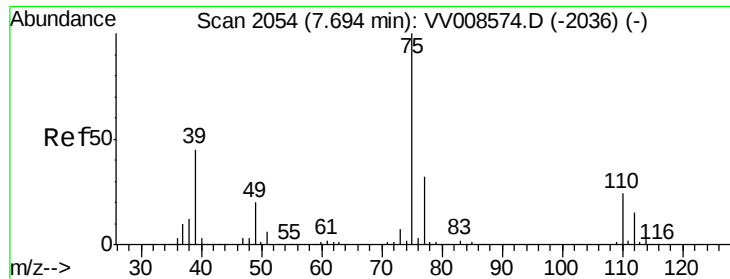
Tgt Ion: 84 Resp: 1145  
Ion Ratio Lower Upper  
84 100  
86 59.7 44.8 83.2  
49 98.5 88.1 163.7



#37  
1,2-Dichloropropane  
Concen: 7.420 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.10 min  
Lab File: VV008575.D  
Acq: 16 Nov 2018 10:08

Tgt Ion: 63 Resp: 16161  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#





#44

trans-1,3-Dichloropropene

Concen: 0.973 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV008575.D

Acq: 16 Nov 2018 10:08

Instrument :

MSVOA\_V

ClientSampleId :

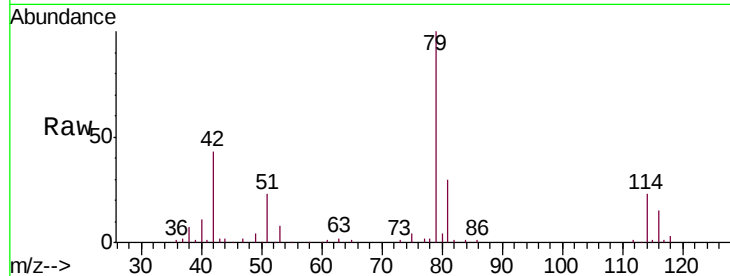
VBLK64

Tgt Ion: 75 Resp: 2974

Ion Ratio Lower Upper

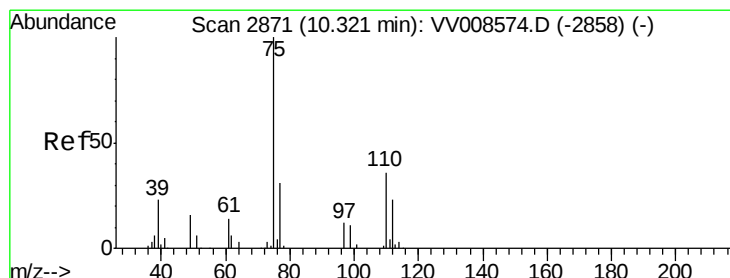
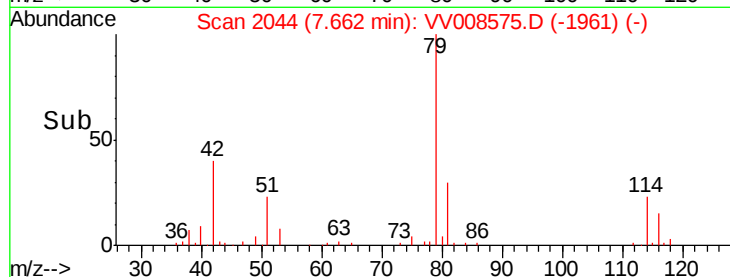
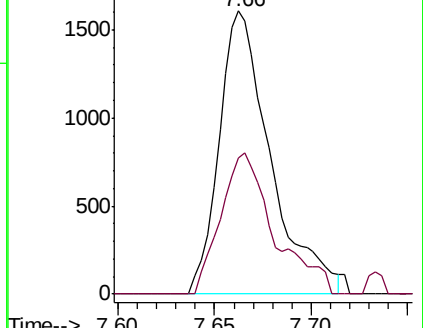
75 100

77 48.3 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV008574.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008574.D (-2036) (-)



#59

1,2,3-Trichloropropane

Concen: 4.703 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV008575.D

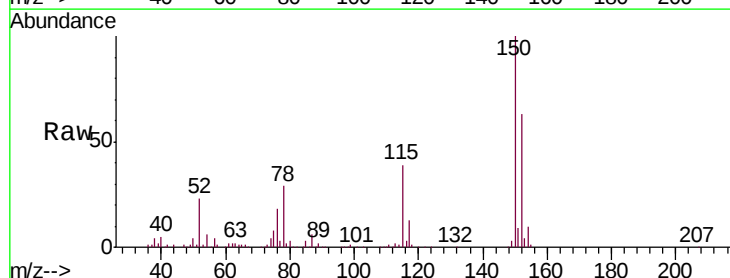
Acq: 16 Nov 2018 10:08

Tgt Ion: 75 Resp: 12180

Ion Ratio Lower Upper

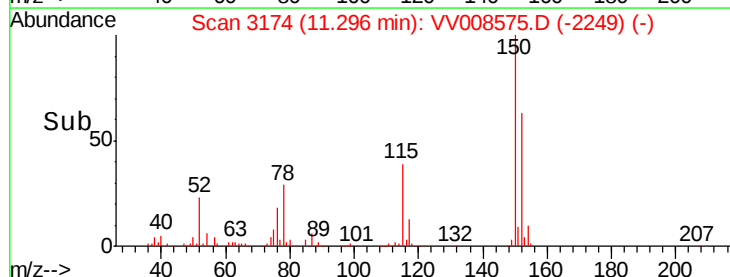
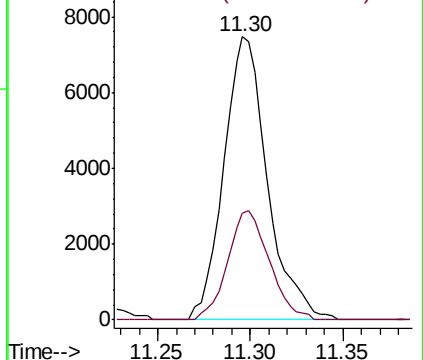
75 100

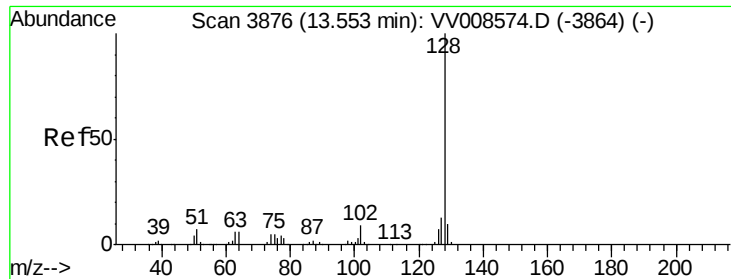
77 36.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV008574.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV008574.D (-2858) (-)





#69

Naphthalene

Concen: 0.492 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV008575.D

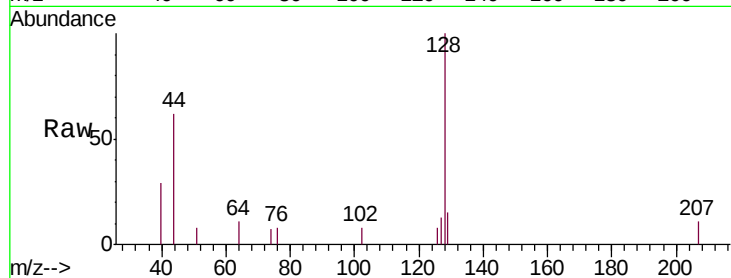
Acq: 16 Nov 2018 10:08

Instrument :

MSVOA\_V

ClientSampleId :

VBLK64



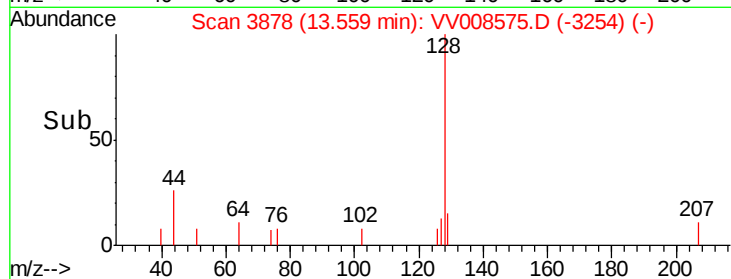
Tgt Ion:128 Resp: 2607

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 9.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

2000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

