

Data File : VV009624.D  
Acq On : 12 Mar 2019 23:24  
Operator : SY/MD  
Sample : K1838-06  
Misc : 6.12g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF2L3

Quant Time: Mar 13 02:25:16 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 13 02:20:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 161927   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 166396   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 73231    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 40055    | 41.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.60%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 24916    | 24.98    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 49.96%# |
| 11) 1,1-Dichloroethene-d2      | 2.10    | 63    | 91630    | 36.24    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.48%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 65226    | 92.10    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 92.10%  |
| 24) Chloroform-d               | 4.40    | 84    | 96661    | 46.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.34%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 68353    | 49.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.68%  |
| 32) Benzene-d6                 | 5.09    | 84    | 199673   | 46.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.30%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 62190    | 48.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.14%  |
| 41) Toluene-d8                 | 7.36    | 98    | 198541   | 47.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 28754    | 43.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.06%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 55390    | 97.89    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.89%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 96236    | 46.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.62%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 73770    | 47.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.50%  |

#### Target Compounds

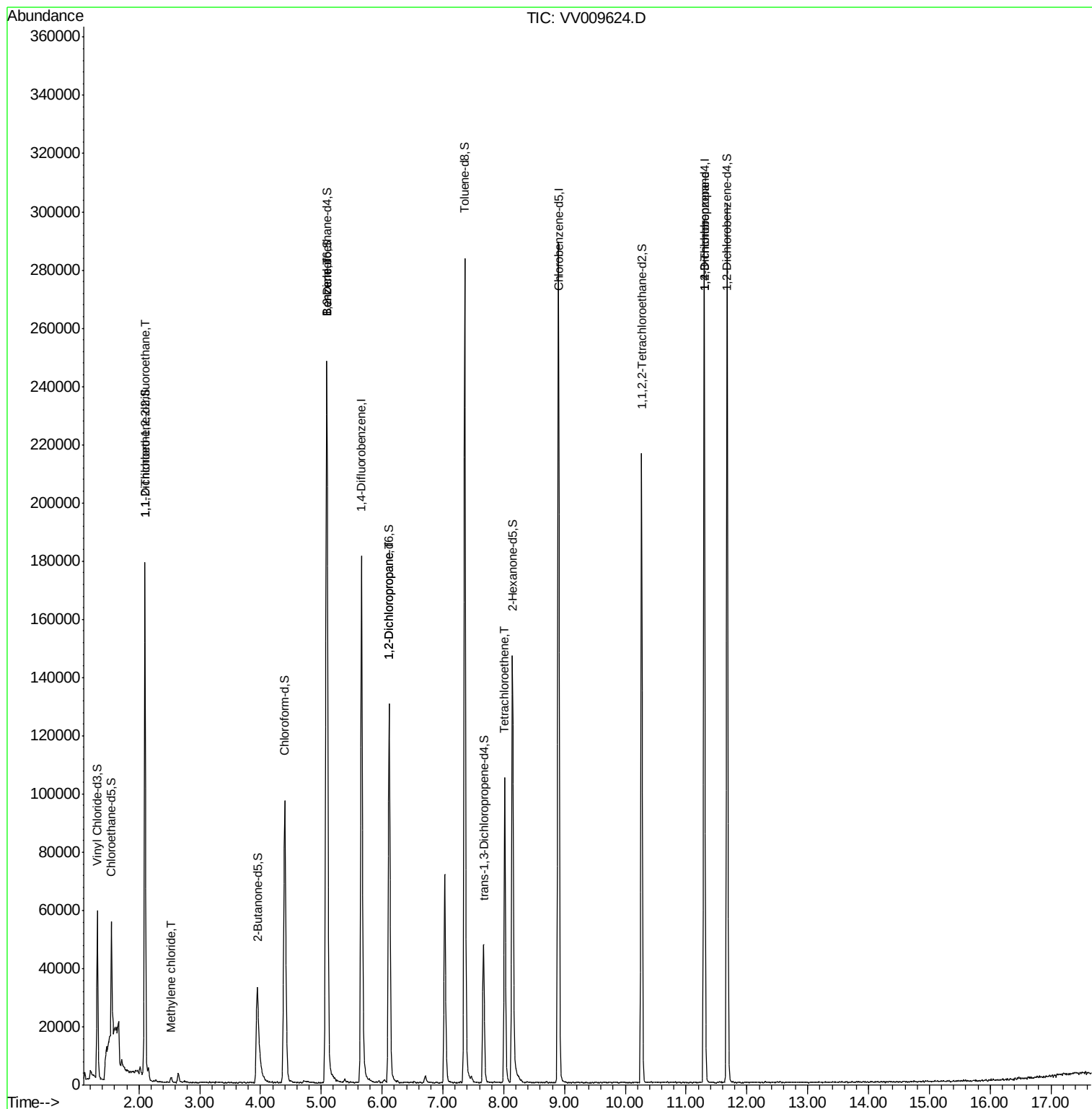
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.09  | 101 | 703   | 0.573 ug/L # | 19     |
| 16) Methylene chloride         | 2.53  | 84  | 642   | 0.629 ug/L   | 87     |
| 33) Benzene                    | 5.09  | 78  | 1630  | 0.390 ug/L   | 100    |
| 37) 1,2-Dichloropropane        | 6.12  | 63  | 7464  | 7.012 ug/L # | 87     |
| 46) Tetrachloroethene          | 8.02  | 164 | 21737 | 24.805 ug/L  | 97     |
| 59) 1,2,3-Trichloropropane     | 11.30 | 75  | 10343 | 7.166 ug/L   | 93     |

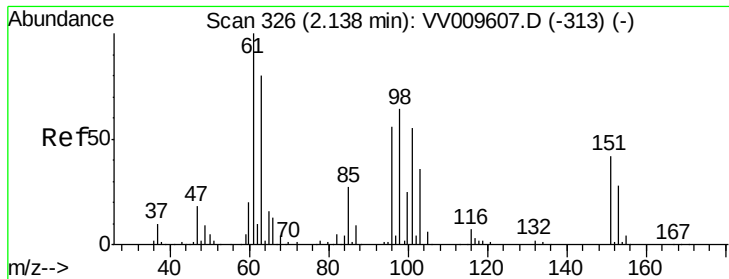
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.573 ug/L

RT: 2.09 min Scan# 312

Delta R.T. -0.04 min

Lab File: VV009624.D

Acq: 12 Mar 2019 23:24

Instrument :

MSVOA\_V

ClientSampleId :

BF2L3

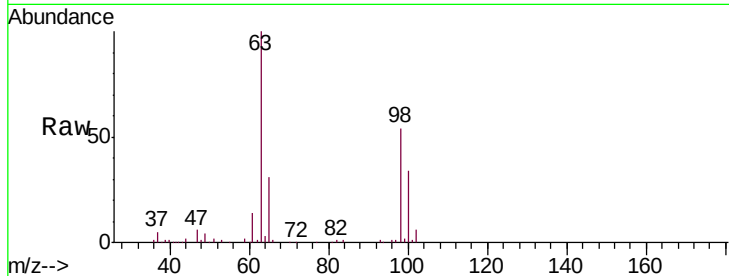
Tgt Ion: 101 Resp: 703

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

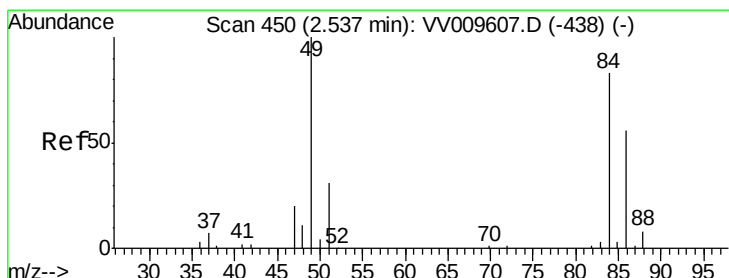
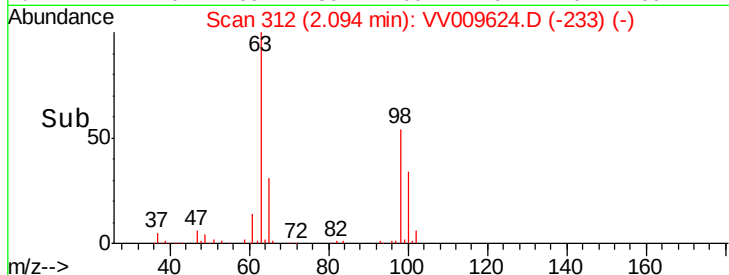
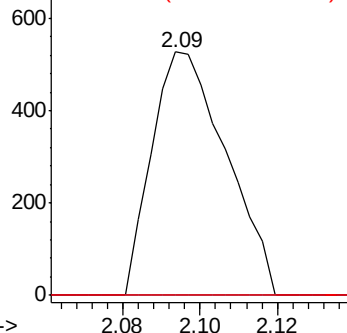
151 0.0 59.6 89.4#



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



#16

Methylene chloride

Concen: 0.629 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.01 min

Lab File: VV009624.D

Acq: 12 Mar 2019 23:24

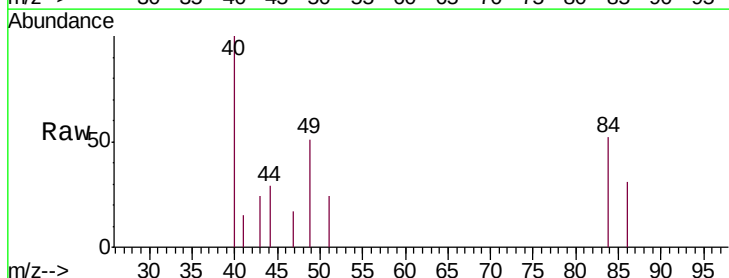
Tgt Ion: 84 Resp: 642

Ion Ratio Lower Upper

84 100

86 60.1 44.0 81.6

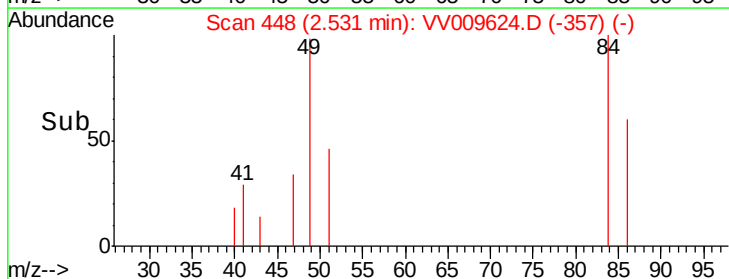
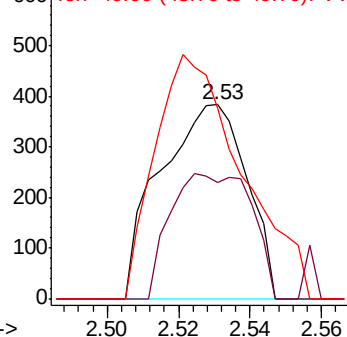
49 97.9 82.0 152.4

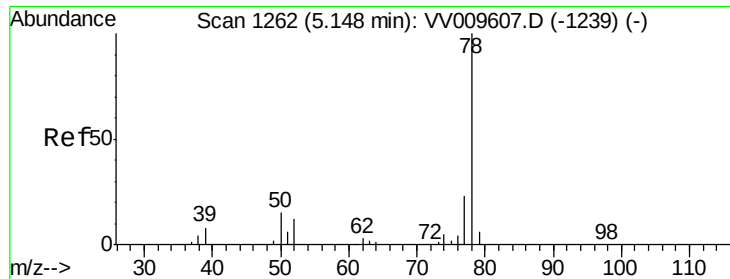


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#33

Benzene

Concen: 0.390 ug/L

RT: 5.09 min Scan# 1243

Delta R.T. -0.06 min

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Acq: 12 Mar 2019 23:24

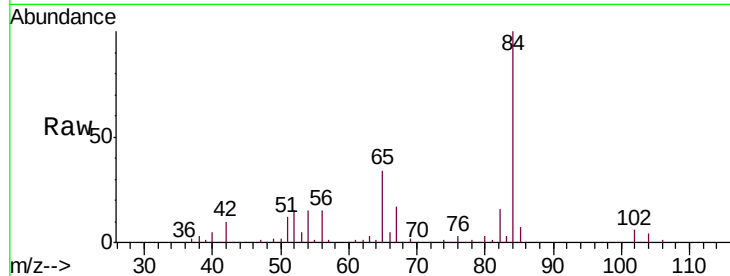
Instrument :

MSVOA\_V

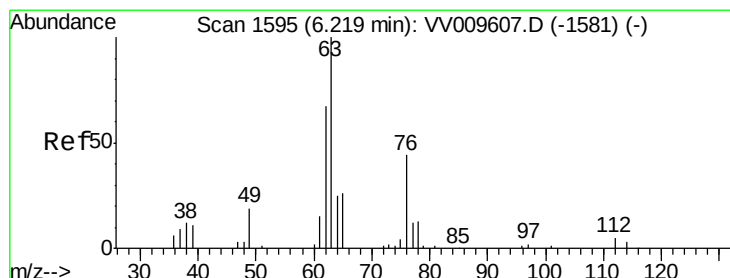
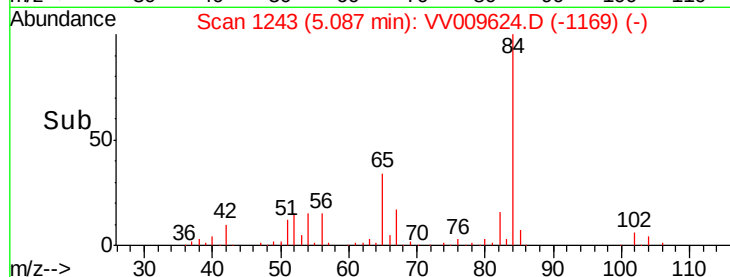
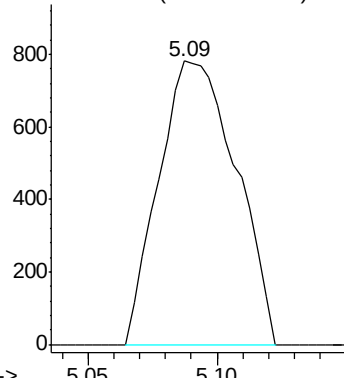
ClientSampled :

BF2L3

Tgt Ion: 78 Resp: 1630



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 7.012 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009624.D

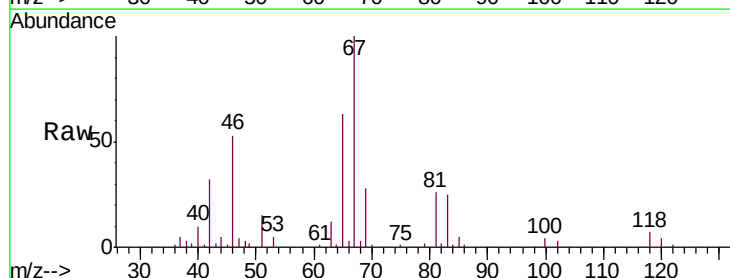
Acq: 12 Mar 2019 23:24

Tgt Ion: 63 Resp: 7464

Ion Ratio Lower Upper

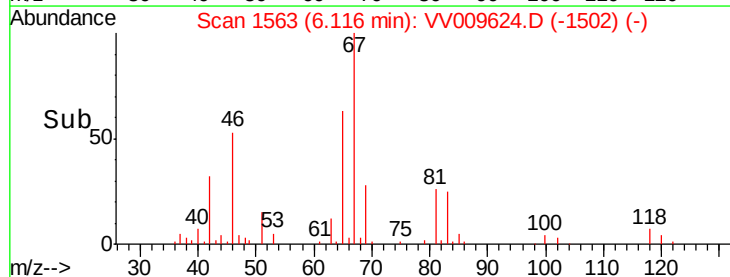
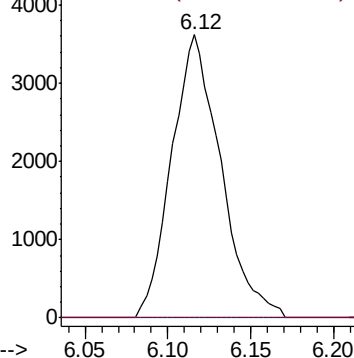
63 100

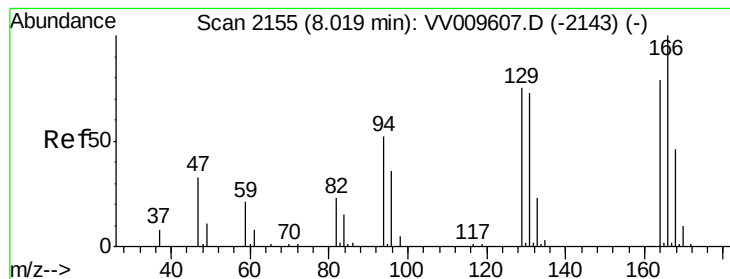
112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V





#46

Tetrachloroethene

Concen: 24.805 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009624.D

Acq: 12 Mar 2019 23:24

Instrument :

MSVOA\_V

ClientSampleId :

BF2L3

Tgt Ion:164 Resp: 21737

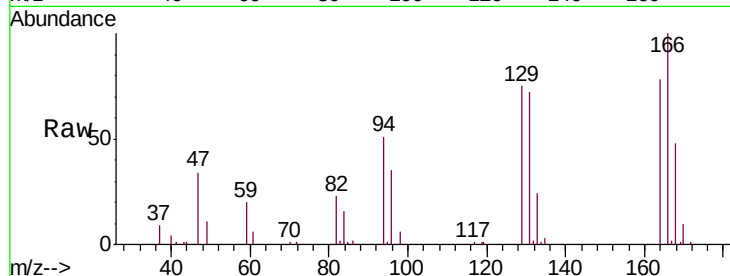
Ion Ratio Lower Upper

164 100

129 96.2 70.8 131.6

131 92.8 68.3 126.9

166 128.6 89.5 166.3

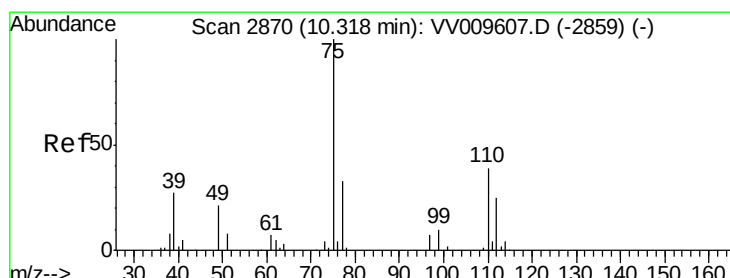
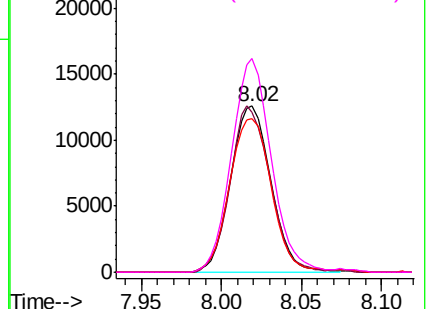
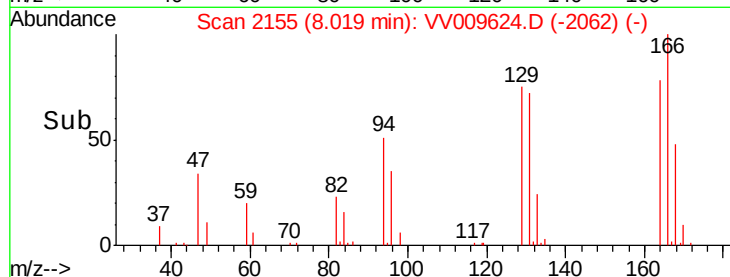


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 7.166 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009624.D

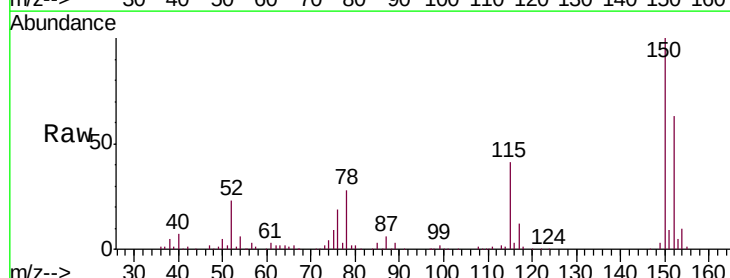
Acq: 12 Mar 2019 23:24

Tgt Ion: 75 Resp: 10343

Ion Ratio Lower Upper

75 100

77 37.0 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

