

Data File : VV009650.D  
Acq On : 13 Mar 2019 21:49  
Operator : SY/MD  
Sample : K1794-13  
Misc : 4.24G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF5N2

Quant Time: Mar 14 07:42:06 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM031319S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 14 07:37:27 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 95710    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 72460    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 15987    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 17548    | 14.34    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 57.36%   |
| 7) Chloroethane-d5             | 1.57   | 69    | 26837    | 17.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.08%   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 34743    | 10.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 42.00%#  |
| 20) 2-Butanone-d5              | 0.00   | 46    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#   |
| 24) Chloroform-d               | 4.40   | 84    | 61601    | 25.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 40321    | 29.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 116.84%  |
| 29) Benzene-d6                 | 5.10   | 84    | 96077    | 25.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.12%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 41438    | 37.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 149.24%# |
| 37) Toluene-d8                 | 7.36   | 98    | 72663    | 19.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.04%   |
| 38) trans-1,3-Dichloropropene- | 7.68   | 79    | 112      | 0.22     | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 0.88%#   |
| 39) 2-Hexanone-d5              | 0.00   | 63    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 27856    | 26.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 15525    | 25.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.28%  |

#### Target Compounds

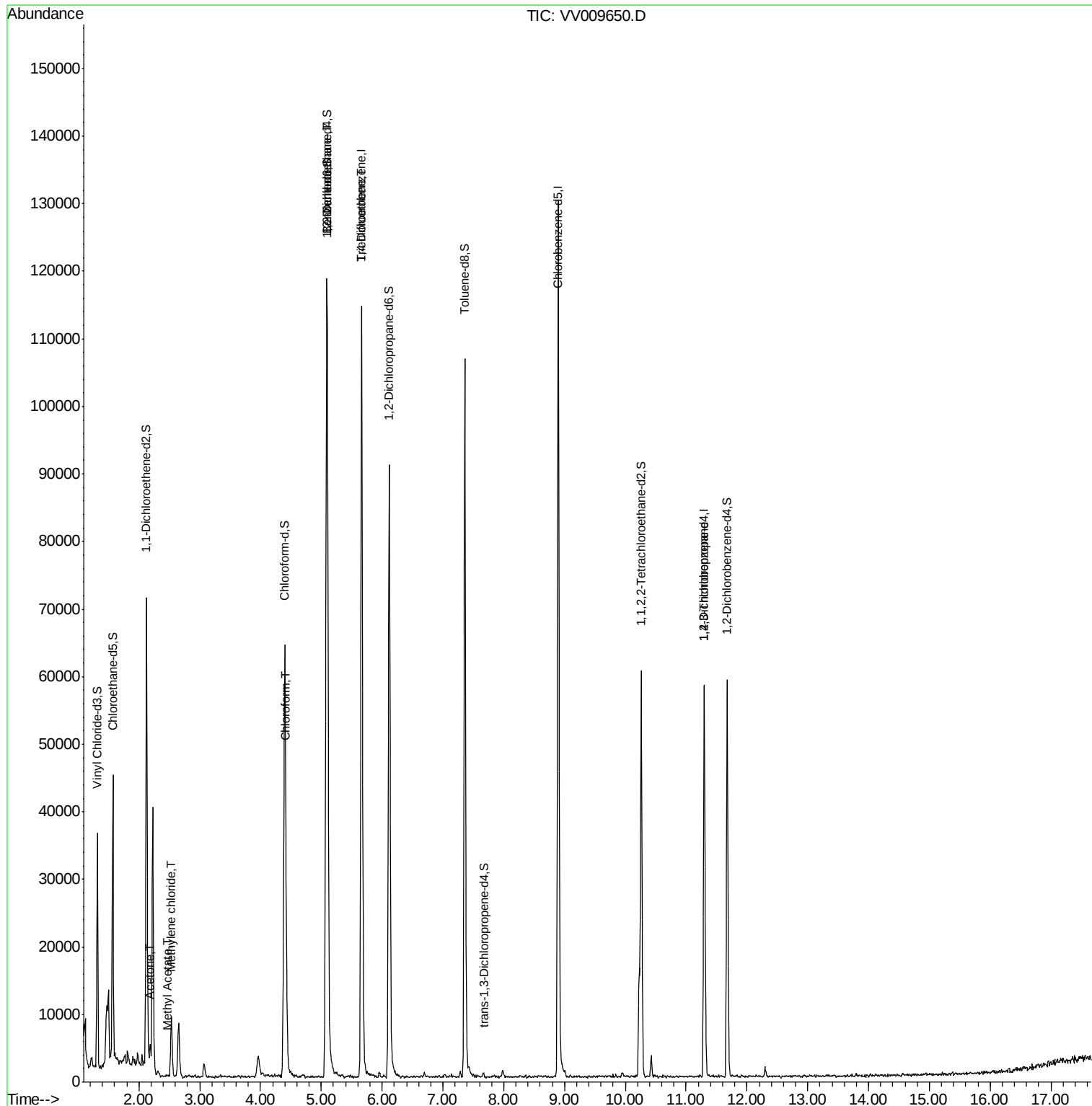
|                            |       |    |      |              | Qvalue |
|----------------------------|-------|----|------|--------------|--------|
| 13) Acetone                | 2.18  | 43 | 3678 | 9.518 ug/L   | 98     |
| 15) Methyl Acetate         | 2.47  | 43 | 292  | 0.518 ug/L # | 51     |
| 16) Methylene chloride     | 2.54  | 84 | 2984 | 2.142 ug/L   | 91     |
| 25) Chloroform             | 4.42  | 83 | 4844 | 1.948 ug/L   | 88     |
| 27) 1,2-Dichloroethane     | 5.10  | 62 | 642  | 0.374 ug/L # | 75     |
| 35) Trichloroethene        | 5.66  | 95 | 2998 | 2.628 ug/L # | 6      |
| 59) 1,2,3-Trichloropropane | 11.30 | 75 | 2344 | 3.020 ug/L   | 95     |

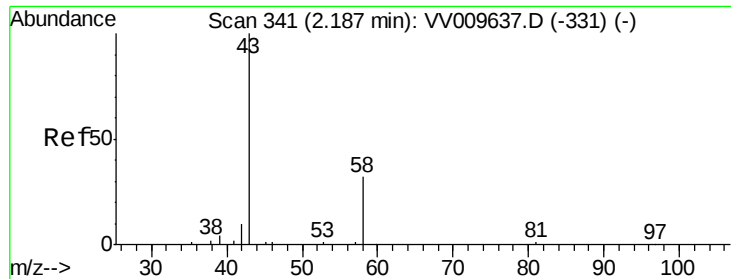
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#13

Acetone

Concen: 9.518 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV009650.D

Acq: 13 Mar 2019 21:49

Instrument :

MSVOA\_V

ClientSampleId :

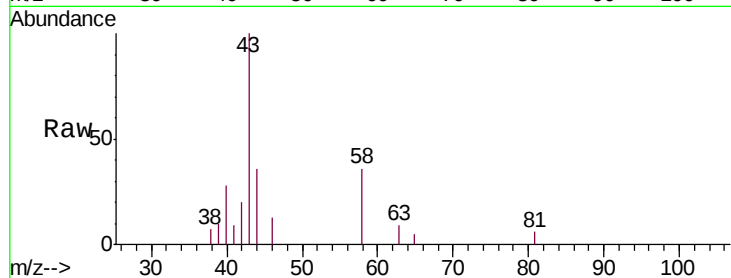
BF5N2

Tgt Ion: 43 Resp: 3678

Ion Ratio Lower Upper

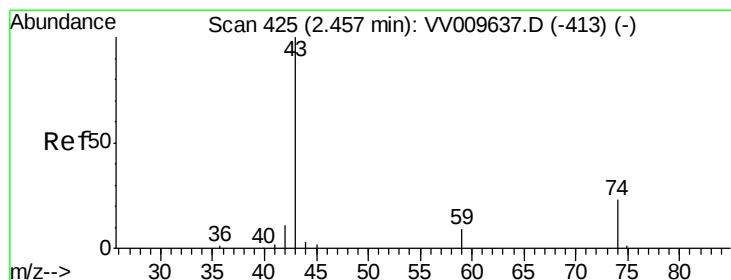
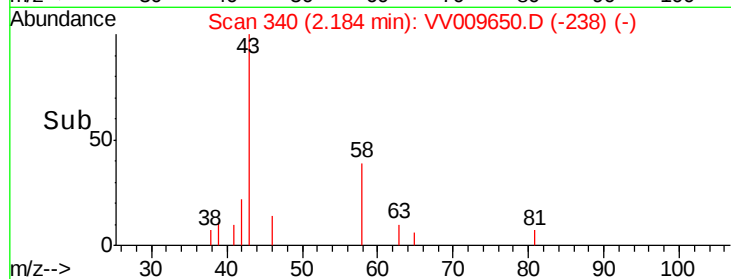
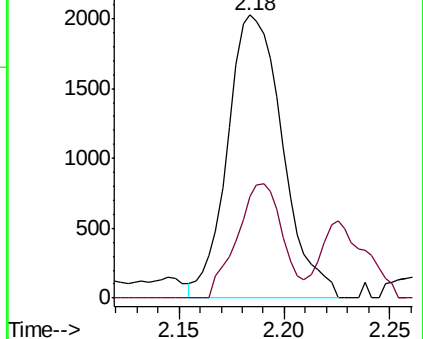
43 100

58 33.5 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VV009637.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009637.D (-331) (-)



#15

Methyl Acetate

Concen: 0.518 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV009650.D

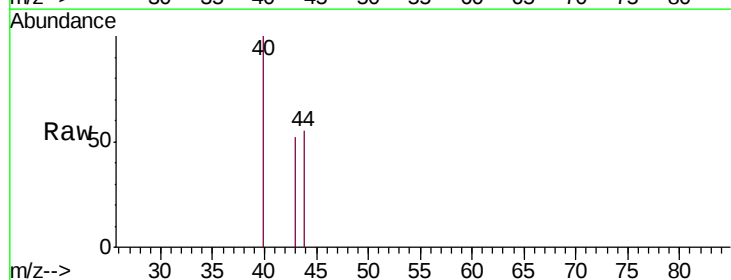
Acq: 13 Mar 2019 21:49

Tgt Ion: 43 Resp: 292

Ion Ratio Lower Upper

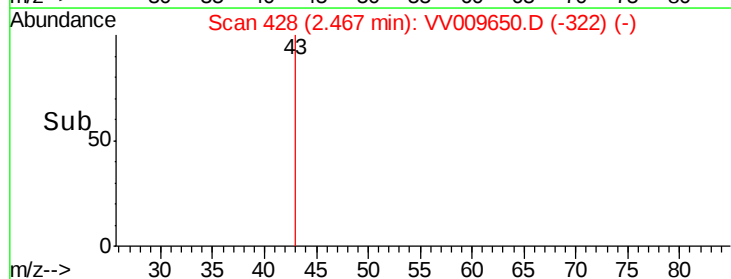
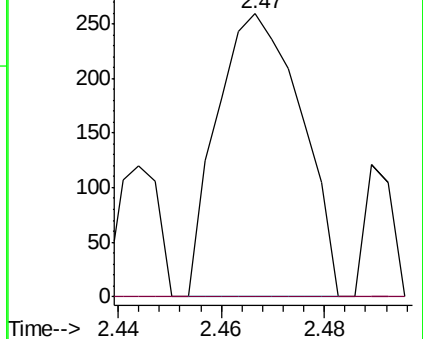
43 100

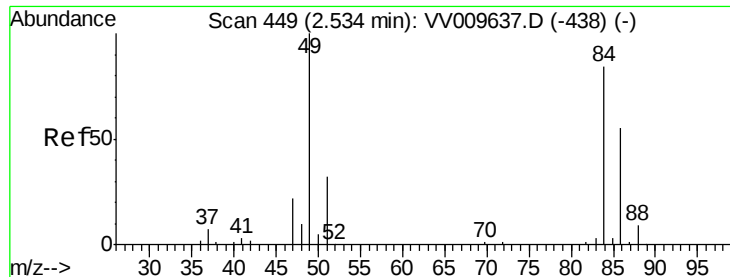
74 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VV009637.D (-413) (-)

Ion 74.00 (73.70 to 74.70): VV009637.D (-413) (-)

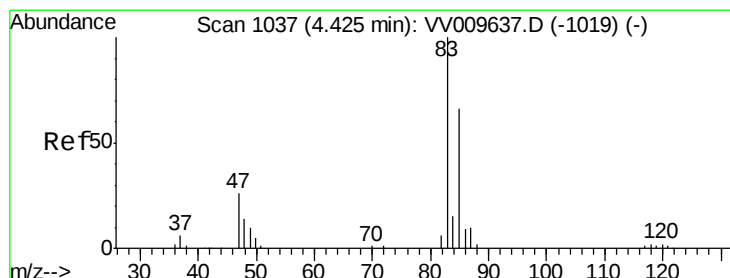
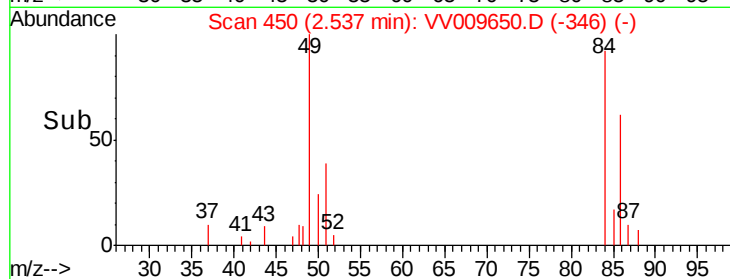
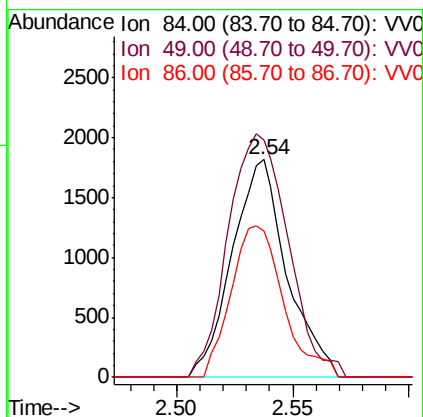
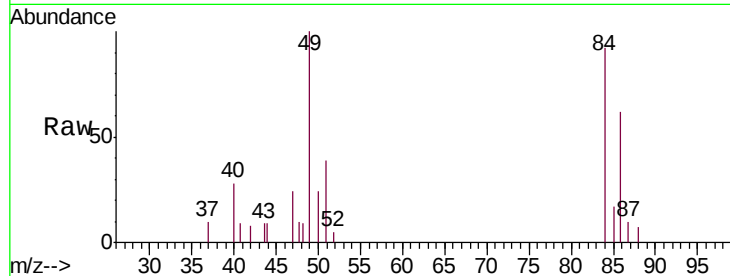




#16  
Methylene chloride  
Concen: 2.142 ug/L  
RT: 2.54 min Scan# 450  
Delta R.T. 0.00 min  
Lab File: VV009650.D  
Acq: 13 Mar 2019 21:49

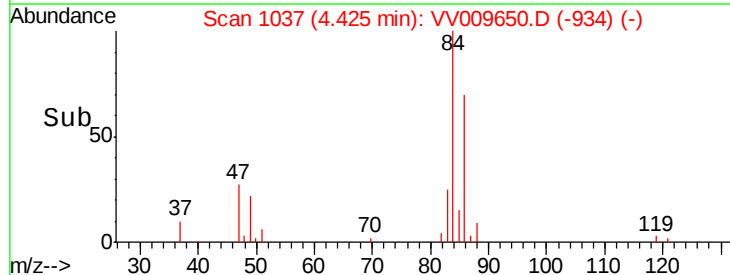
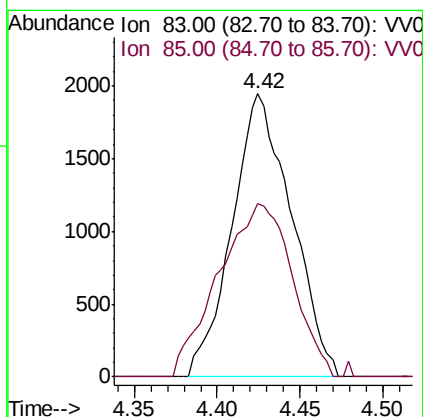
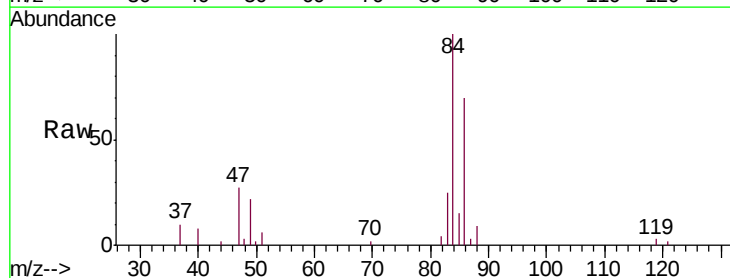
Instrument :  
MSVOA\_V  
ClientSampleId :  
BF5N2

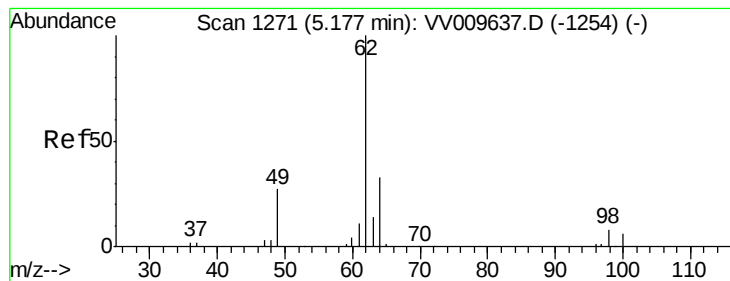
Tgt Ion: 84 Resp: 2984  
Ion Ratio Lower Upper  
84 100  
49 109.0 86.1 159.9  
86 67.3 45.2 84.0



#25  
Chloroform  
Concen: 1.948 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VV009650.D  
Acq: 13 Mar 2019 21:49

Tgt Ion: 83 Resp: 4844  
Ion Ratio Lower Upper  
83 100  
85 76.0 46.4 86.2





#27

1,2-Dichloroethane

Concen: 0.374 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV009650.D

Acq: 13 Mar 2019 21:49

Instrument :

MSVOA\_V

ClientSampleId :

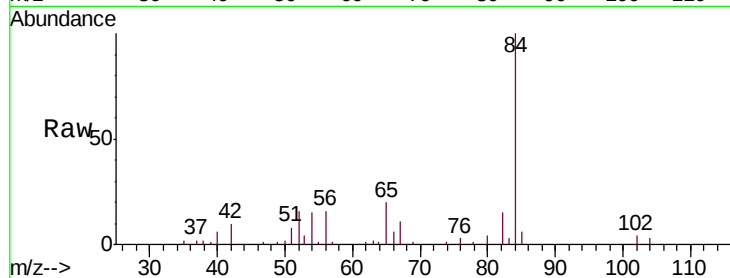
BF5N2

Tgt Ion: 62 Resp: 642

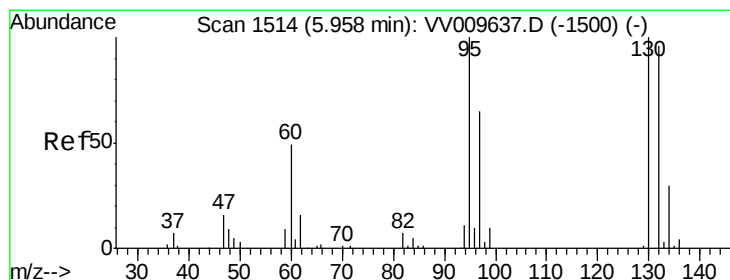
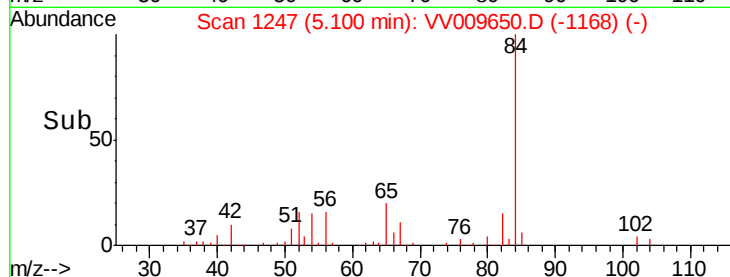
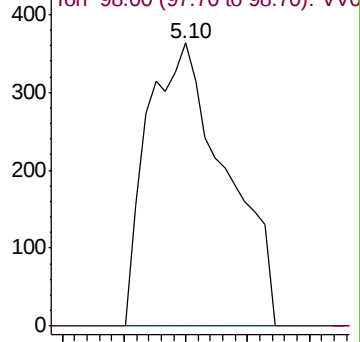
Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV009637.D (-1254) (-)



#35

Trichloroethene

Concen: 2.628 ug/L

RT: 5.66 min Scan# 1422

Delta R.T. -0.30 min

Lab File: VV009650.D

Acq: 13 Mar 2019 21:49

Tgt Ion: 95 Resp: 2998

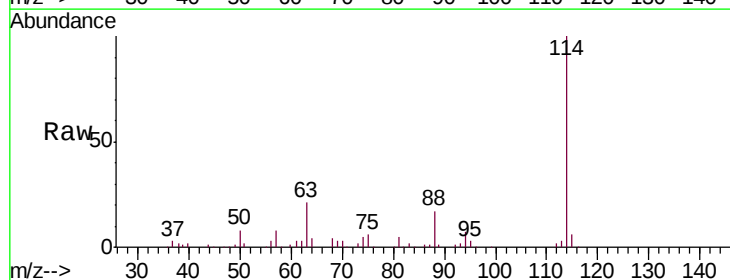
Ion Ratio Lower Upper

95 100

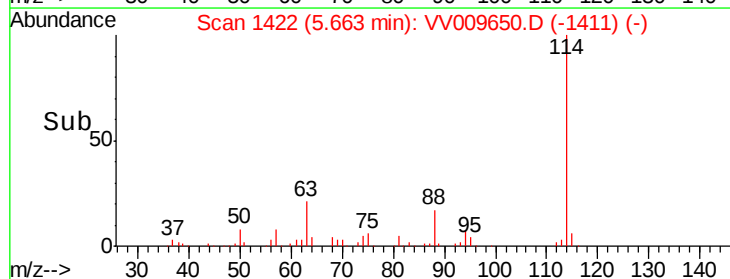
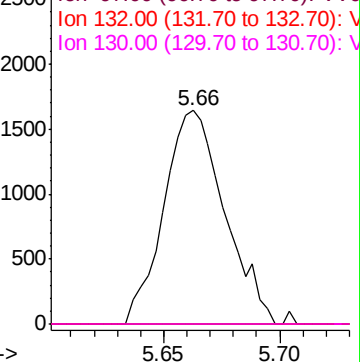
97 0.0 44.9 83.5#

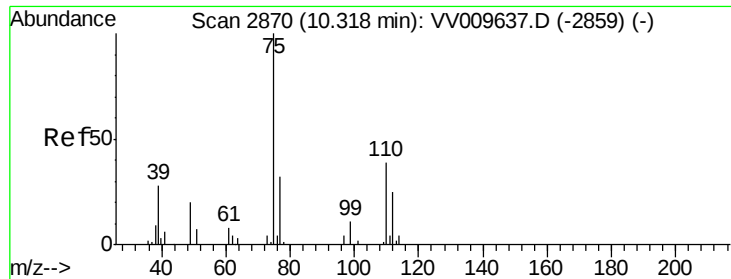
132 1.5 66.4 123.2#

130 0.0 70.2 130.4#



Abundance Ion 95.00 (94.70 to 95.70): VV009637.D (-1500) (-)





#59  
 1,2,3-Trichloropropane  
 Concen: 3.020 ug/L  
 RT: 11.30 min Scan# 3174  
 Delta R.T. 0.98 min  
 Lab File: VV009650.D  
 Acq: 13 Mar 2019 21:49

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5N2

Tgt Ion: 75 Resp: 2344  
 Ion Ratio Lower Upper  
 75 100  
 77 34.3 25.3 37.9

