

Data File : VV009929.D  
Acq On : 27 Mar 2019 15:43  
Operator : SY/MD  
Sample : K2085-08  
Misc : 5.38G/10mL/MSVOA\_V/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF7S9

Quant Time: Mar 28 05:16:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 28 05:12:38 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 117308   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 116562   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 47493    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 46202    | 19.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.64%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 61027    | 23.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.96%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 102868   | 15.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.20%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 21401    | 48.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.48%  |
| 24) Chloroform-d               | 4.40   | 84    | 70130    | 23.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 44804    | 24.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.64%  |
| 29) Benzene-d6                 | 5.10   | 84    | 143771   | 23.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 93.96%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 45411    | 25.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.44% |
| 37) Toluene-d8                 | 7.36   | 98    | 122812   | 21.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.80%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 13563    | 18.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.04%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 14538    | 43.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.98%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 39047    | 22.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 43544    | 24.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.32%  |

#### Target Compounds

|                         |      |    |       |              | Qvalue |
|-------------------------|------|----|-------|--------------|--------|
| 13) Acetone             | 2.20 | 43 | 1312  | 1.953 ug/L   | 80     |
| 16) Methylene chloride  | 2.54 | 84 | 6757  | 3.498 ug/L   | 94     |
| 27) 1,2-Dichloroethane  | 5.10 | 62 | 785   | 0.356 ug/L # | 75     |
| 36) Methylcyclohexane   | 6.12 | 83 | 10405 | 3.928 ug/L # | 21     |
| 40) 1,2-Dichloropropane | 6.12 | 63 | 6450  | 4.033 ug/L # | 95     |

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

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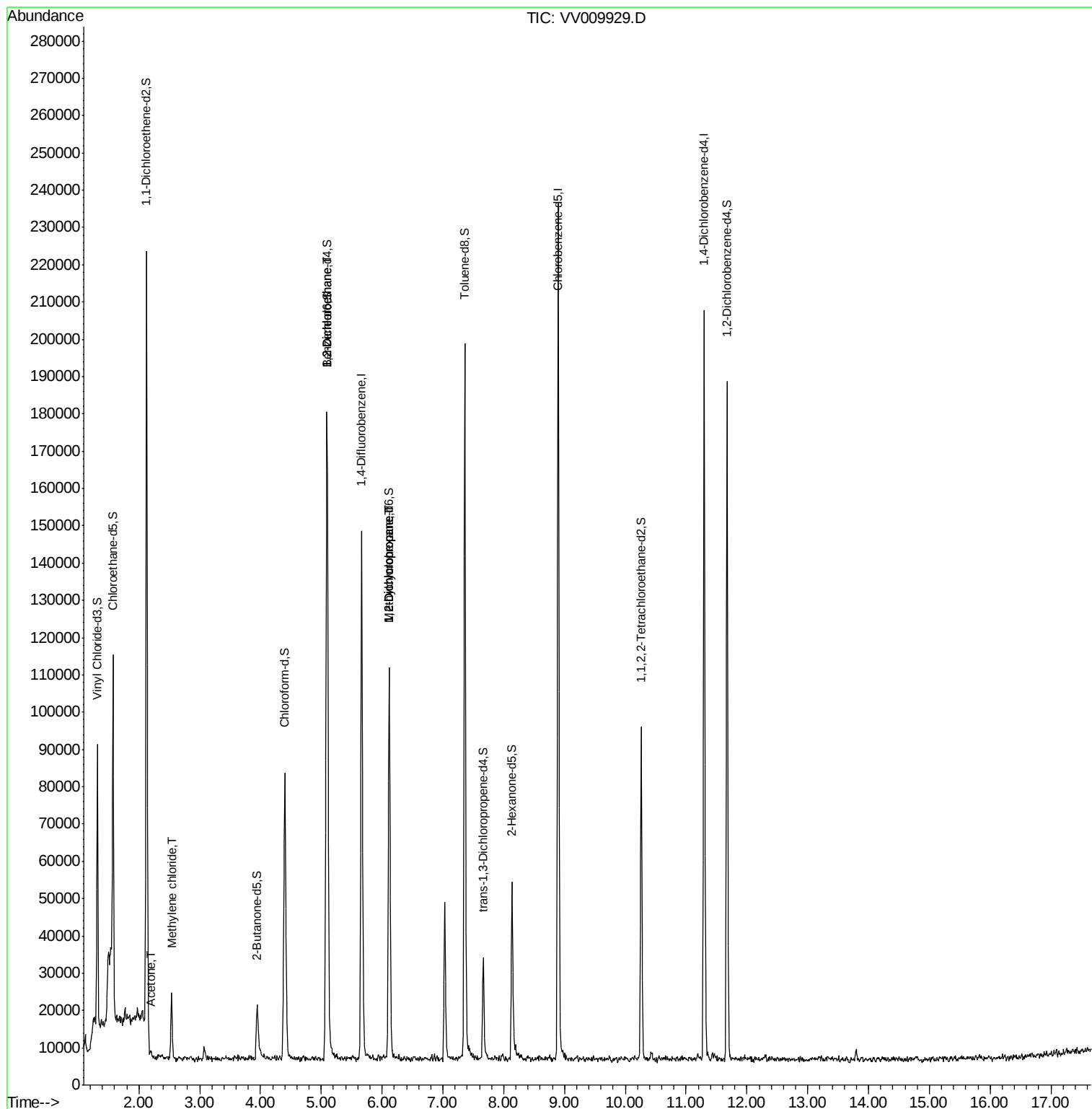
Quant Time: Mar 28 05:16:52 2019

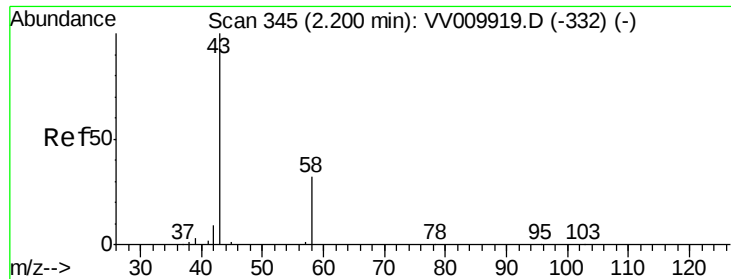
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 28 05:12:38 2019

Response via : Initial Calibration





#13

Acetone

Concen: 1.953 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV009929.D

Acq: 27 Mar 2019 15:43

Instrument :

MSVOA\_V

ClientSampled :

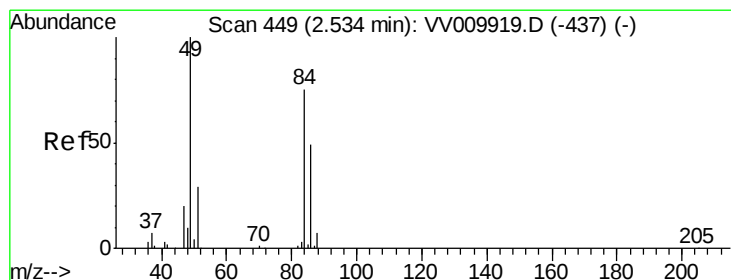
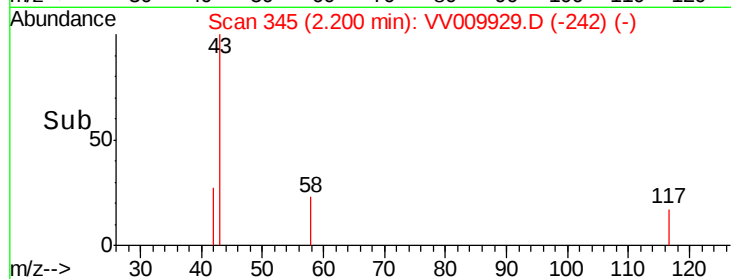
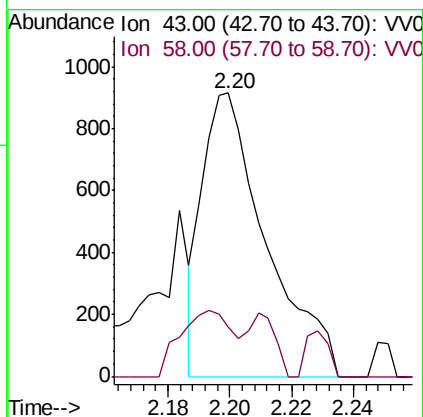
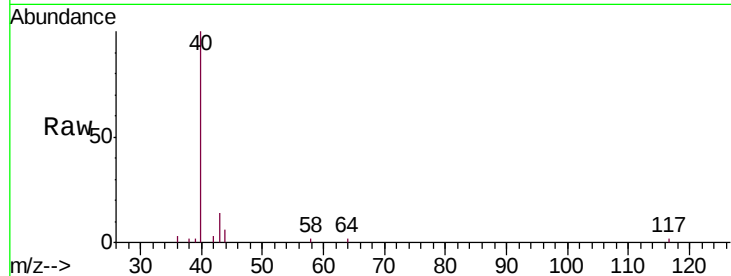
BF7S9

Tgt Ion: 43 Resp: 1312

Ion Ratio Lower Upper

43 100

58 18.9 0.0 59.4



#16

Methylene chloride

Concen: 3.498 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009929.D

Acq: 27 Mar 2019 15:43

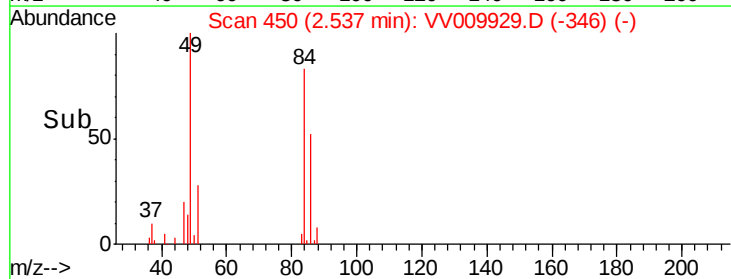
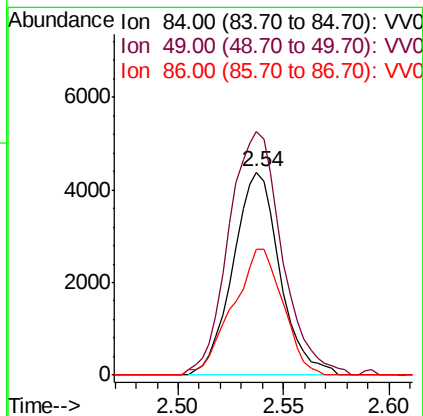
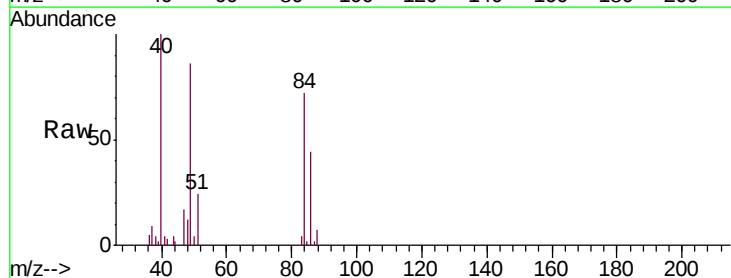
Tgt Ion: 84 Resp: 6757

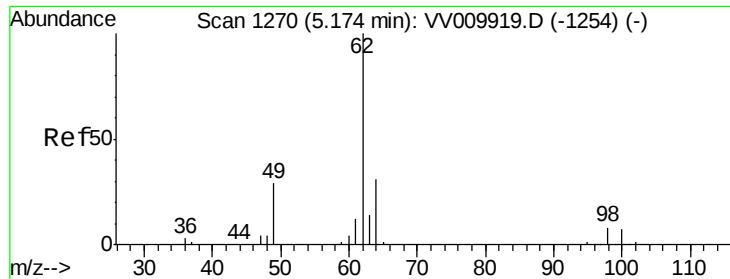
Ion Ratio Lower Upper

84 100

49 119.8 90.4 167.8

86 61.9 44.0 81.6

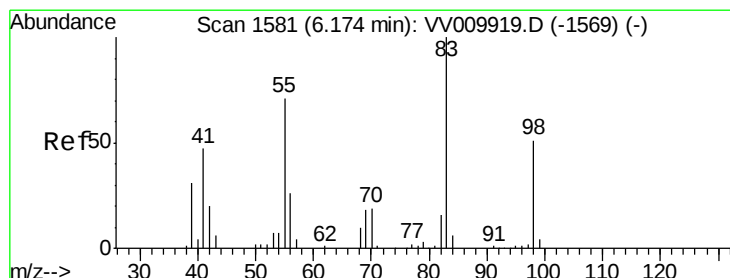
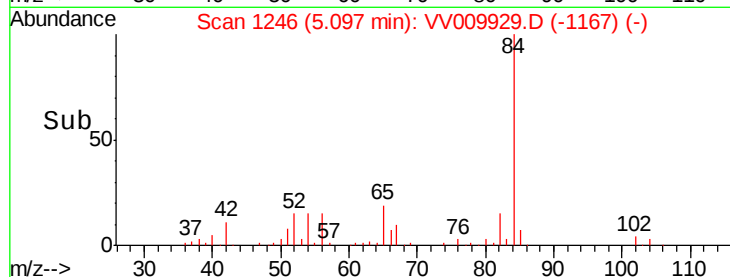
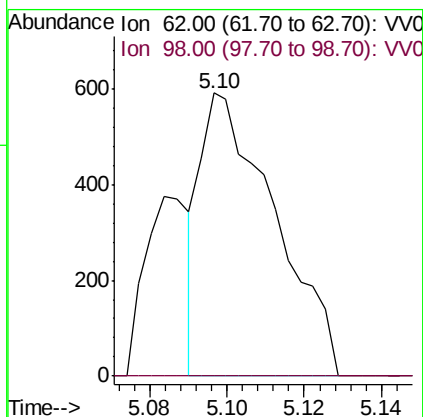
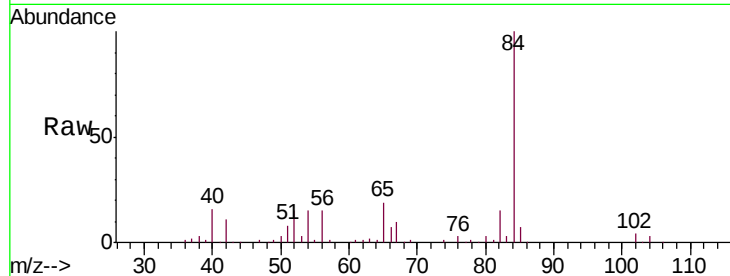




#27  
 1,2-Dichloroethane  
 Concen: 0.356 ug/L  
 RT: 5.10 min Scan# 1246  
 Delta R.T. -0.08 min  
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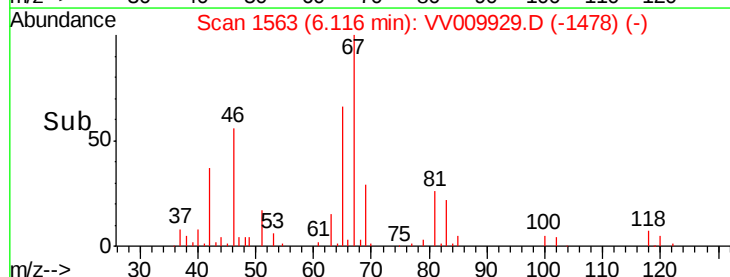
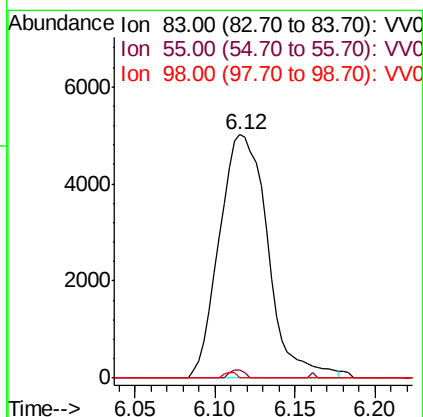
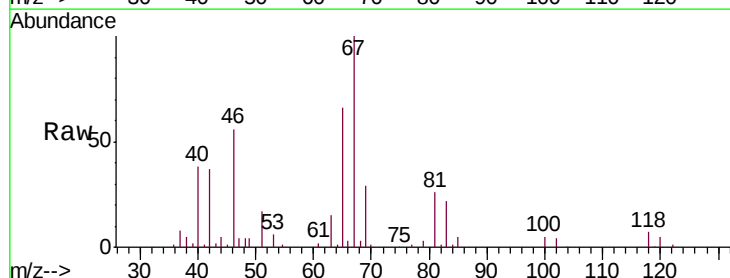
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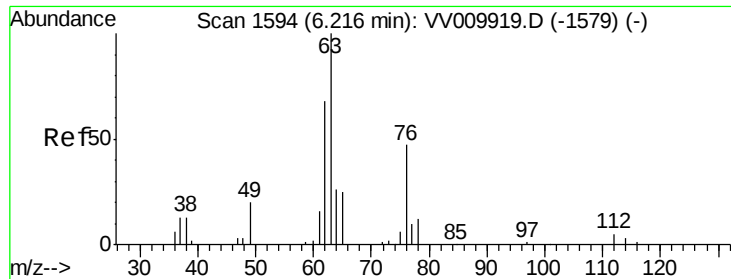
Tgt Ion: 62 Resp: 785  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 7.2 10.8#



#36  
 Methylcyclohexane  
 Concen: 3.928 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.06 min  
 Lab File: VV009929.D  
 Acq: 27 Mar 2019 15:43

Tgt Ion: 83 Resp: 10405  
 Ion Ratio Lower Upper  
 83 100  
 55 1.0 57.3 85.9#  
 98 0.6 39.2 58.8#





#40  
 1,2-Dichloropropane  
 Concen: 4.033 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.10 min  
 Lab File: VV009929.D  
 Acq: 27 Mar 2019 15:43

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF7S9

Tgt Ion: 63 Resp: 6450  
 Ion Ratio Lower Upper  
 63 100  
 112 0.8 2.1 3.1#

