

Data File : VV013088.D  
Acq On : 10 Oct 2019 12:55  
Operator : SY/MD  
Sample : K5267-07  
Misc : 7.87G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBAT8

Quant Time: Oct 11 07:33:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Oct 11 07:31:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 683678   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 688029   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 321441   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 164241   | 15.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.92% |
| 7) Chloroethane-d5             | 1.58   | 69    | 160893   | 18.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.04% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 235512   | 13.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 53.40% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 112624   | 30.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 61.50% |
| 24) Chloroform-d               | 4.40   | 84    | 359688   | 19.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 76.60% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 204108   | 18.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 74.80% |
| 29) Benzene-d6                 | 5.09   | 84    | 713512   | 18.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 74.28% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 236518   | 19.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 78.56% |
| 37) Toluene-d8                 | 7.36   | 98    | 618091   | 17.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 70.88% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 83197    | 16.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 65.28% |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 73232    | 30.22    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.44% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 193078   | 16.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 67.52% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 255818   | 20.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 81.92% |

#### Target Compounds

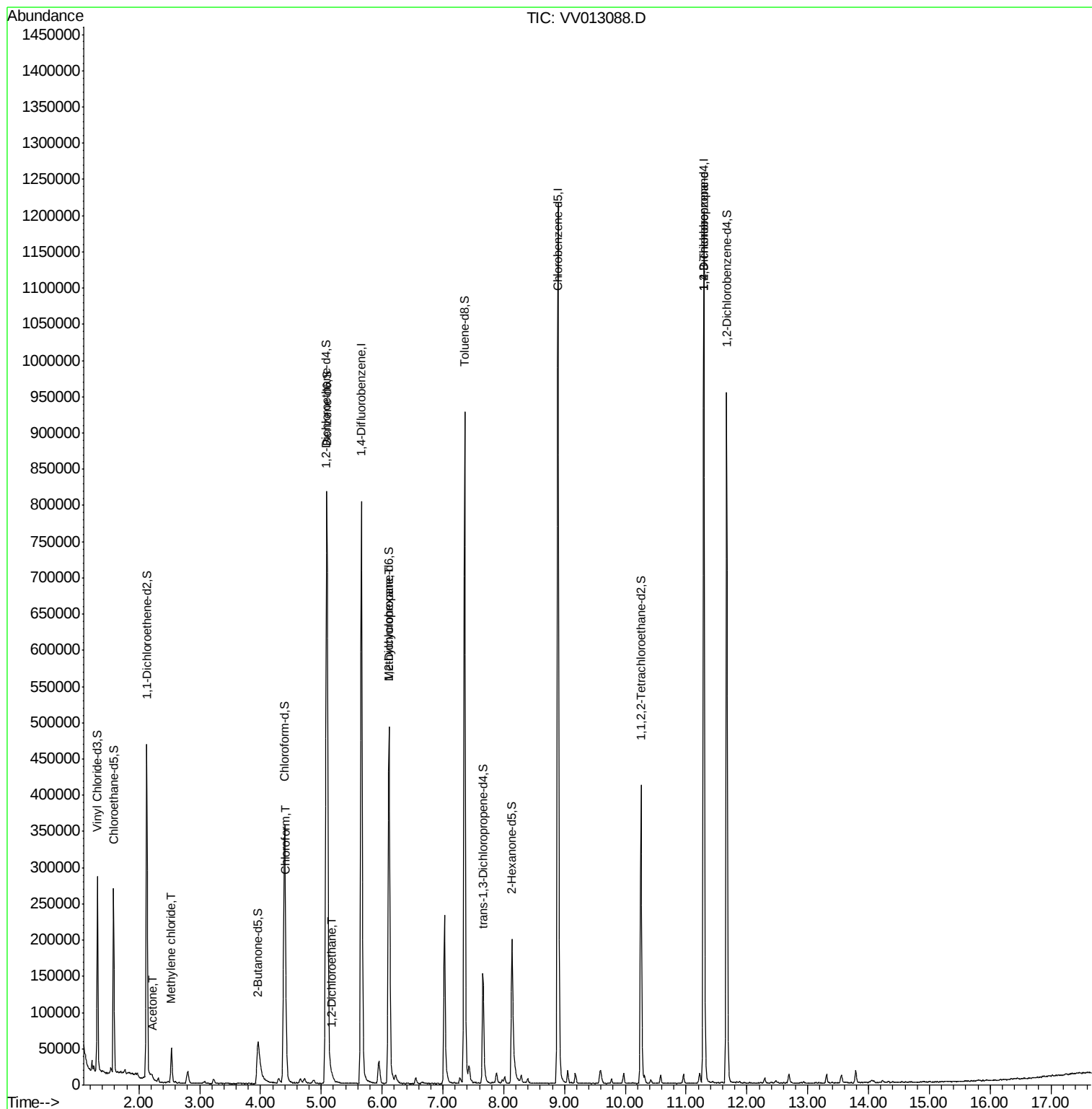
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                | 2.23  | 43 | 7293  | 1.873 ug/L   | 65     |
| 16) Methylene chloride     | 2.54  | 84 | 19535 | 1.912 ug/L   | 100    |
| 25) Chloroform             | 4.42  | 83 | 13158 | 0.752 ug/L # | 65     |
| 27) 1,2-Dichloroethane     | 5.18  | 62 | 6360  | 0.514 ug/L # | 94     |
| 36) Methylcyclohexane      | 6.11  | 83 | 55508 | 3.389 ug/L # | 19     |
| 59) 1,2,3-Trichloropropane | 11.29 | 75 | 38737 | 4.487 ug/L   | 96     |

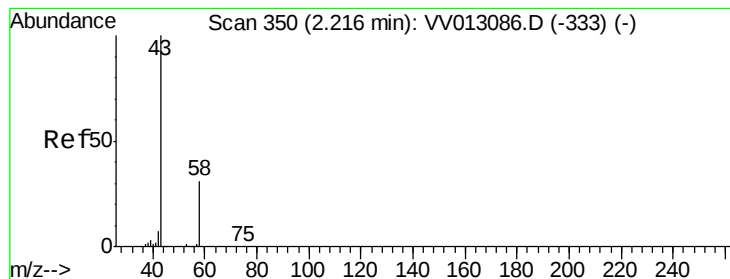
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.873 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.01 min

Lab File: VV013088.D

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Instrument :

MSVOA\_V

ClientSampleId :

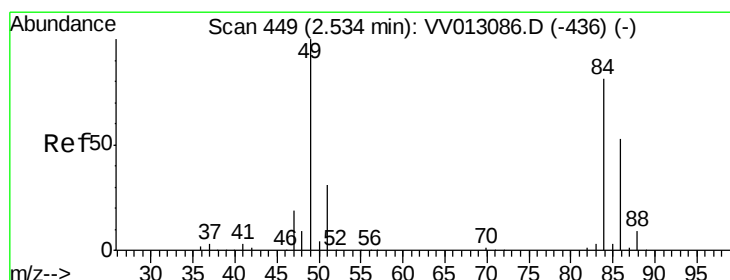
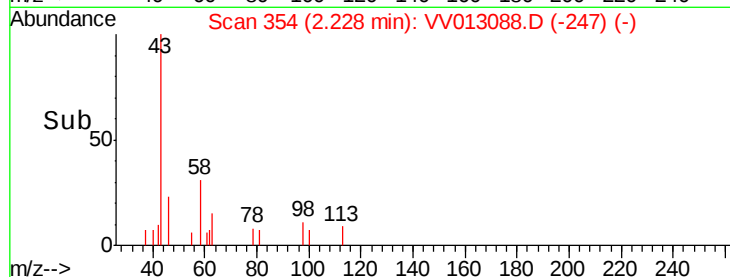
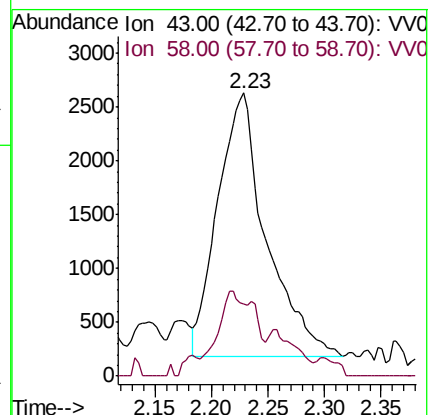
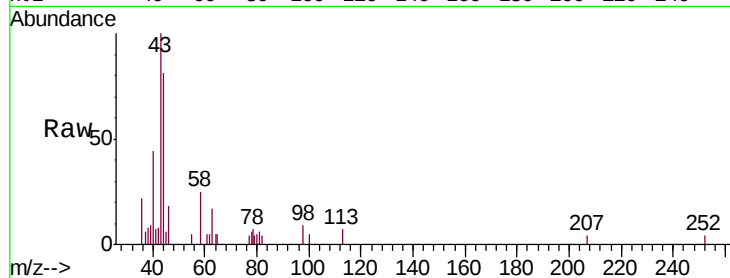
DBAT8

Tgt Ion: 43 Resp: 7293

Ion Ratio Lower Upper

43 100

58 12.7 0.0 65.0



#16

Methylene chloride

Concen: 1.912 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV013088.D

Acq: 10 Oct 2019 12:55

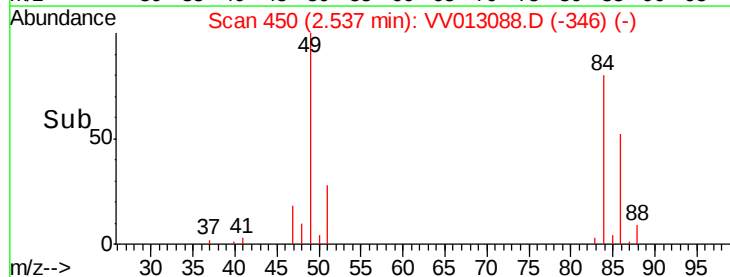
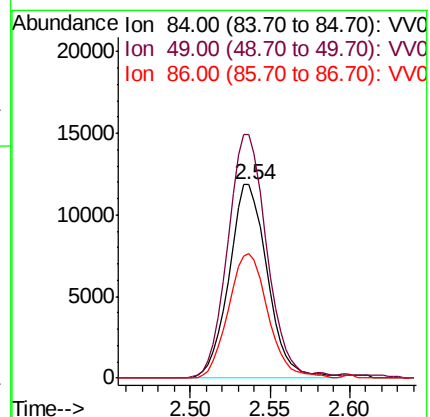
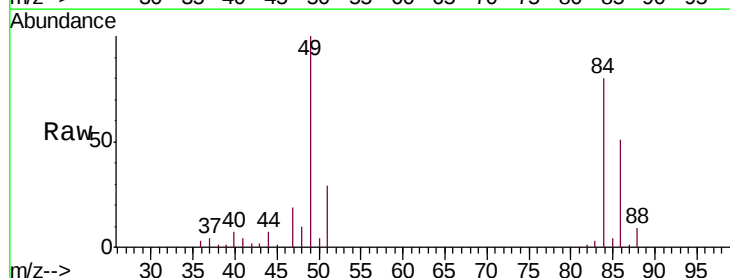
Tgt Ion: 84 Resp: 19535

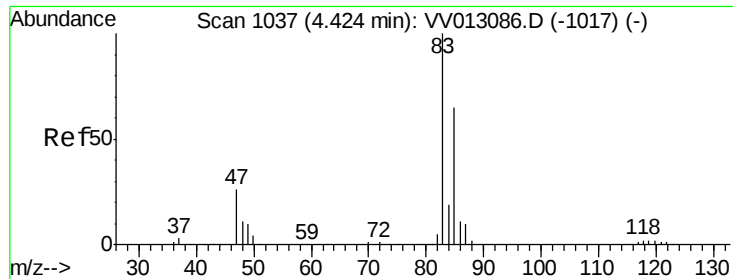
Ion Ratio Lower Upper

84 100

49 125.7 88.3 164.1

86 64.3 44.9 83.3

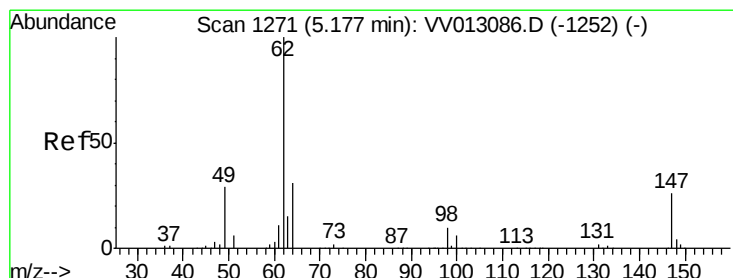
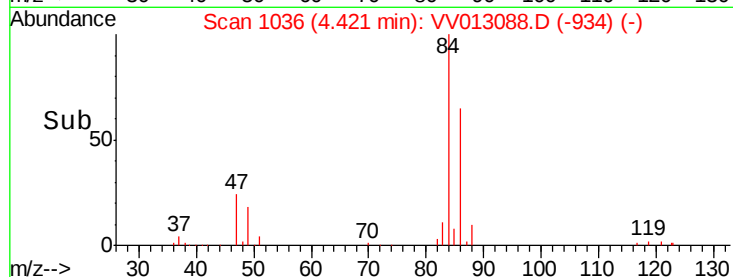
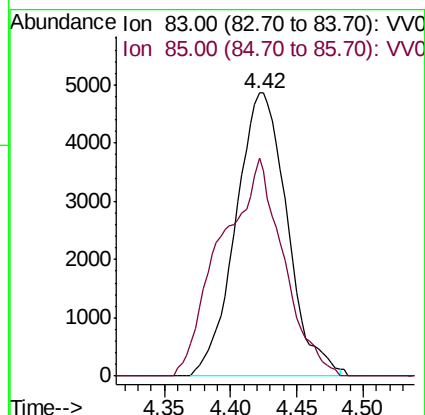
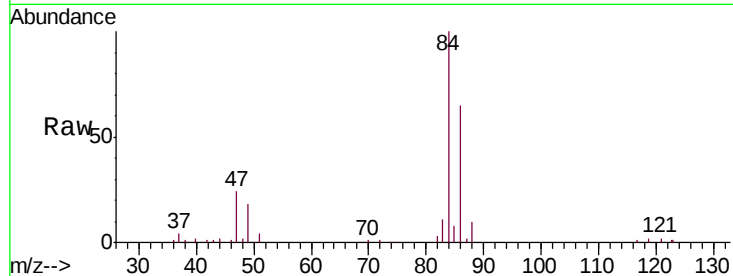




#25  
Chloroform  
Concen: 0.752 ug/L  
RT: 4.42 min Scan# 1036  
Delta R.T. -0.00 min  
Lab File: VV013088.D  
Acq: 10 Oct 2019 12:55

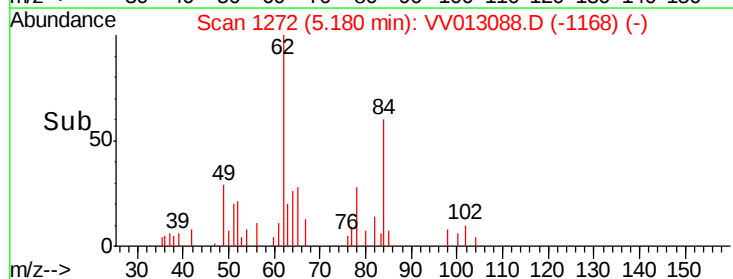
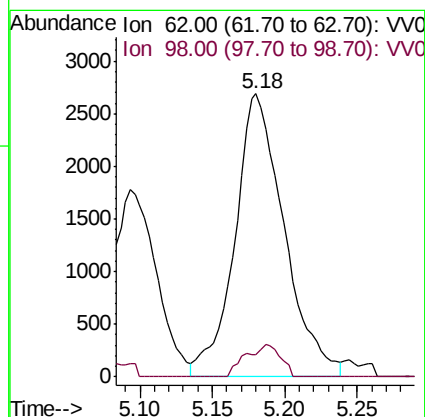
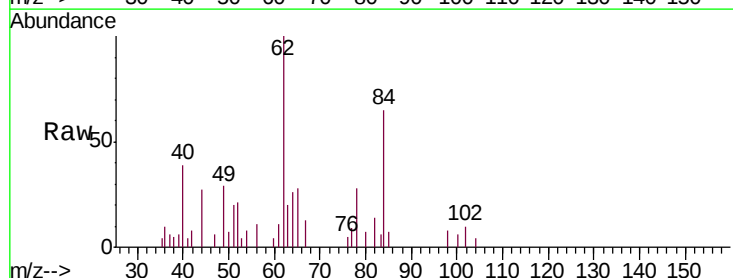
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MSVOA\_V  
ClientSampled :  
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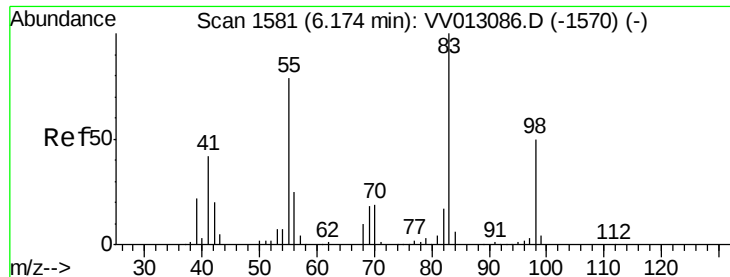
Tgt Ion: 83 Resp: 13158  
Ion Ratio Lower Upper  
83 100  
85 92.9 45.8 85.0#



#27  
1,2-Dichloroethane  
Concen: 0.514 ug/L  
RT: 5.18 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VV013088.D  
Acq: 10 Oct 2019 12:55

Tgt Ion: 62 Resp: 6360  
Ion Ratio Lower Upper  
62 100  
98 7.9 8.2 12.4#

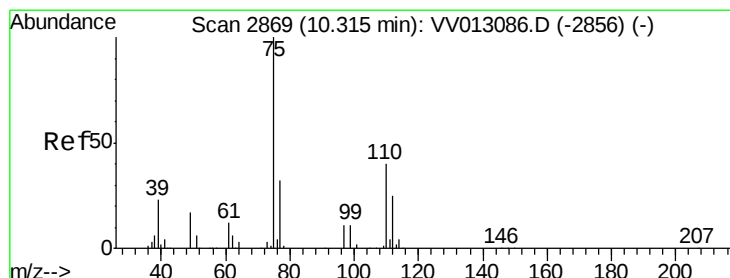
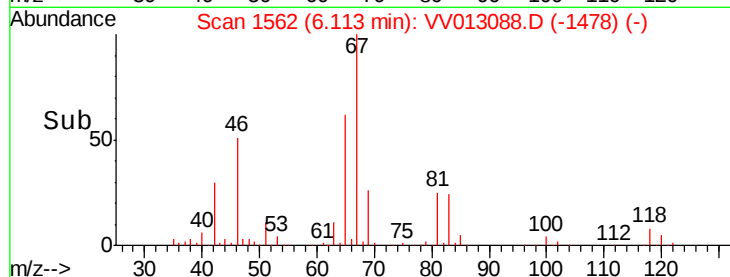
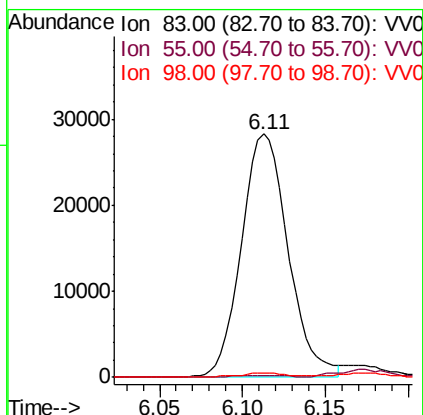
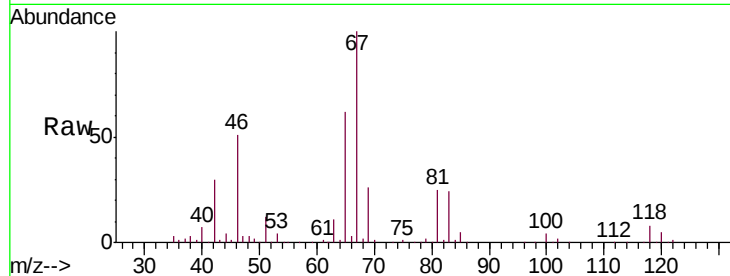




#36  
Methylcyclohexane  
Concen: 3.389 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.06 min  
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Instrument :  
MSVOA\_V  
ClientSampleId :  
DBAT8

Tgt Ion: 83 Resp: 55508  
Ion Ratio Lower Upper  
83 100  
55 0.6 61.8 92.8#  
98 1.9 39.3 58.9#



#59  
1,2,3-Trichloropropane  
Concen: 4.487 ug/L  
RT: 11.29 min Scan# 3172  
Delta R.T. 0.97 min  
Lab File: VV013088.D  
Acq: 10 Oct 2019 12:55

Tgt Ion: 75 Resp: 38737  
Ion Ratio Lower Upper  
75 100  
77 33.8 25.4 38.0

