

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV082318\  
 Data File : VV007154.D  
 Acq On : 23 Aug 2018 21:23  
 Operator : SY/MD  
 Sample : J4622-09  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETBK1

Quant Time: Aug 24 02:12:07 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 24 02:07:07 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 540983   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 508906   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 188869   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 137685   | 40.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.00%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 120393   | 55.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 110.12% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 201618   | 32.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.06%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 274910   | 95.01    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.01%  |
| 24) Chloroform-d               | 4.40    | 84    | 334215   | 45.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.90%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 213309   | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.74%  |
| 32) Benzene-d6                 | 5.10    | 84    | 649347   | 45.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.82%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 225456   | 48.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.38%  |
| 41) Toluene-d8                 | 7.37    | 98    | 502454   | 40.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.76%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 83125    | 41.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.00%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 118795   | 71.41    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 71.41%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 302882   | 44.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 184795   | 48.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.32%  |

## Target Compounds

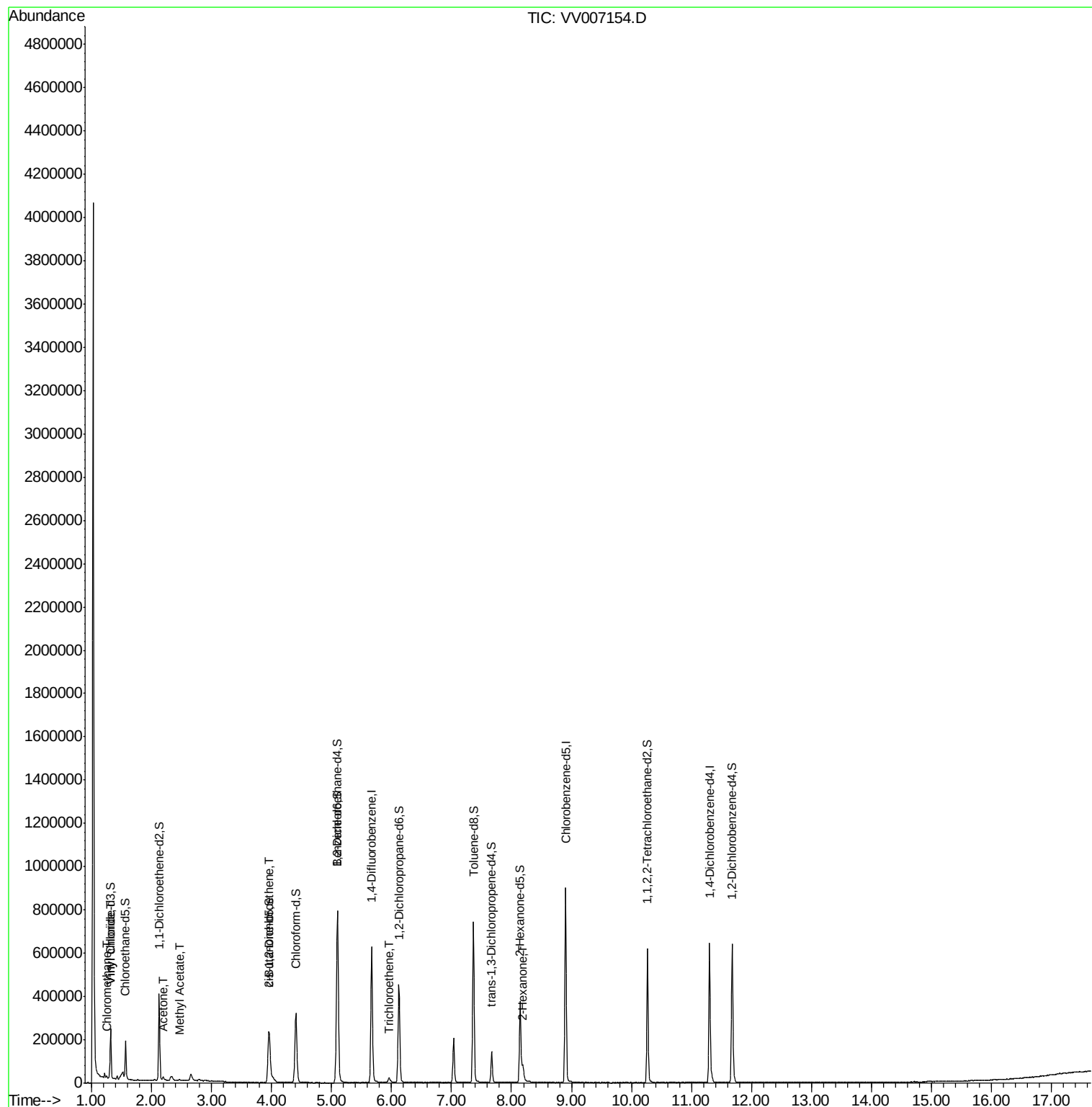
|                            |      |    |       |            | Qvalue |
|----------------------------|------|----|-------|------------|--------|
| 3) Chloromethane           | 1.25 | 50 | 9074  | 1.450 ug/L | 99     |
| 5) Vinyl chloride          | 1.32 | 62 | 23632 | 4.600 ug/L | 85     |
| 13) Acetone                | 2.20 | 43 | 12658 | 5.577 ug/L | 97     |
| 15) Methyl Acetate         | 2.46 | 43 | 6159  | 1.494 ug/L | 100    |
| 20) cis-1,2-Dichloroethene | 3.96 | 96 | 43688 | 9.626 ug/L | 99     |
| 34) Trichloroethene        | 5.97 | 95 | 5168  | 1.251 ug/L | 91     |
| 48) 2-Hexanone             | 8.19 | 43 | 35394 | 7.738 ug/L | 88     |

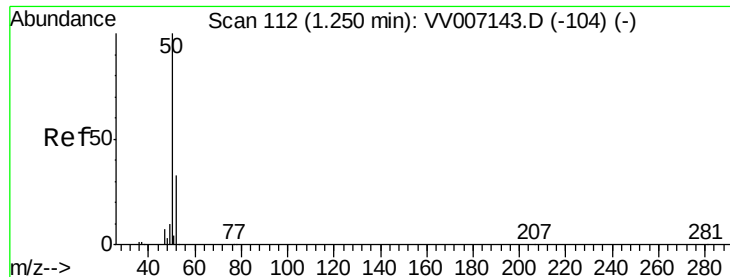
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Aug 24 02:07:07 2018  
Response via : Initial Calibration

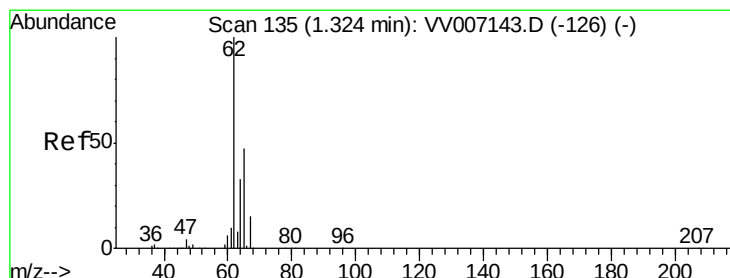
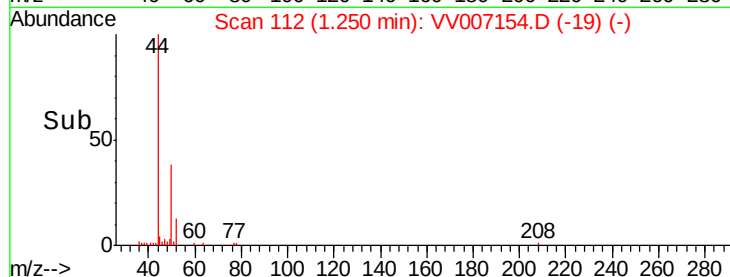
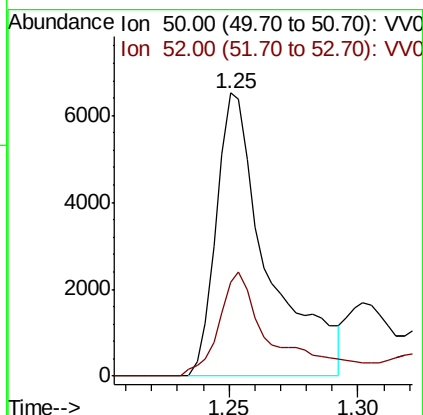
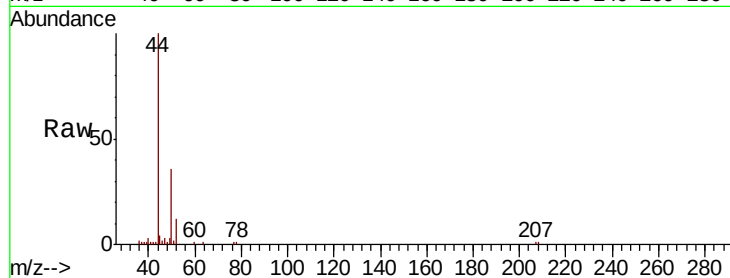




#3  
Chloromethane  
Concen: 1.450 ug/L  
RT: 1.25 min Scan# 112  
Delta R.T. 0.00 min  
Lab File: VV007154.D  
Acq: 23 Aug 2018 21:23

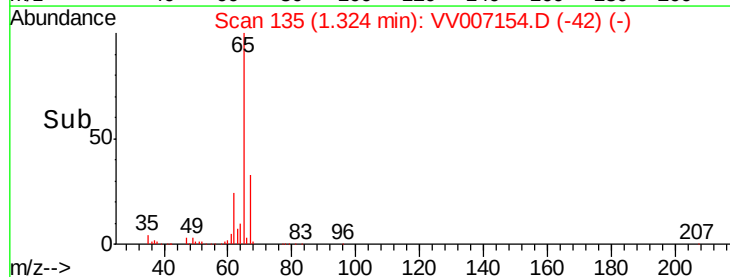
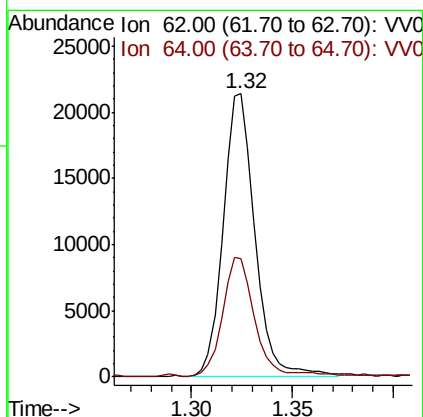
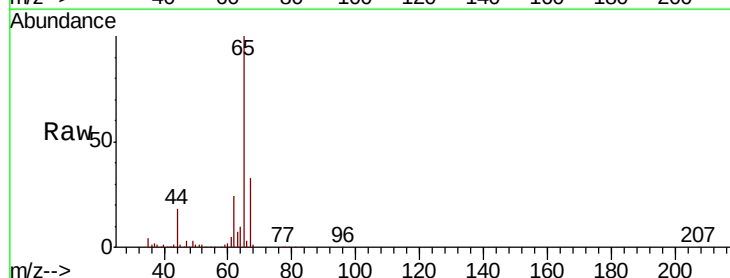
Instrument :  
MSVOA\_V  
ClientSampleId :  
ETBK1

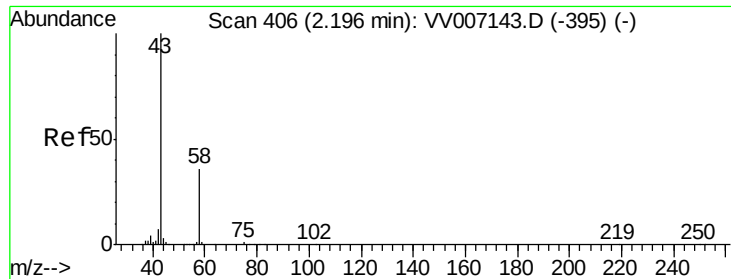
Tgt Ion: 50 Resp: 9074  
Ion Ratio Lower Upper  
50 100  
52 33.3 23.0 42.8



#5  
Vinyl chloride  
Concen: 4.600 ug/L  
RT: 1.32 min Scan# 135  
Delta R.T. 0.00 min  
Lab File: VV007154.D  
Acq: 23 Aug 2018 21:23

Tgt Ion: 62 Resp: 23632  
Ion Ratio Lower Upper  
62 100  
64 41.7 23.4 43.4





#13

Acetone

Concen: 5.577 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.00 min

Lab File: VV007154.D

Acq: 23 Aug 2018 21:23

Instrument :

MSVOA\_V

ClientSampleId :

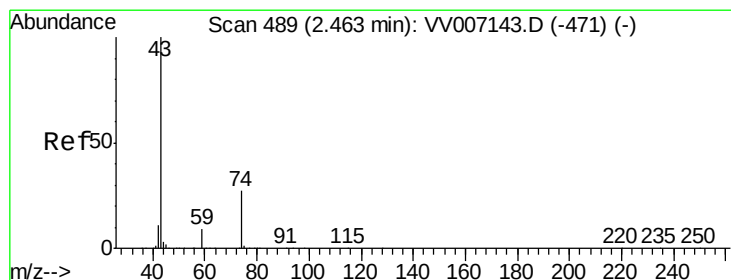
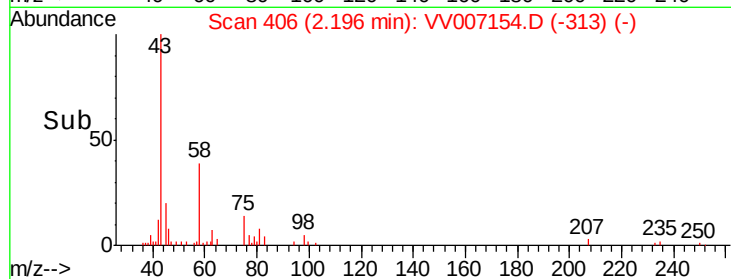
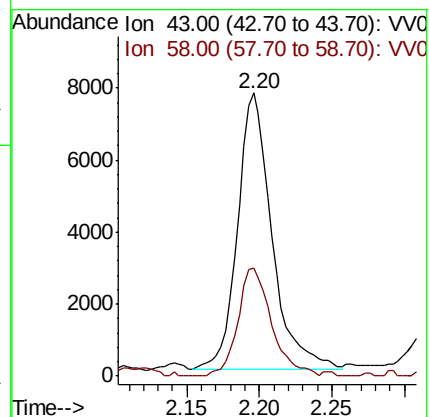
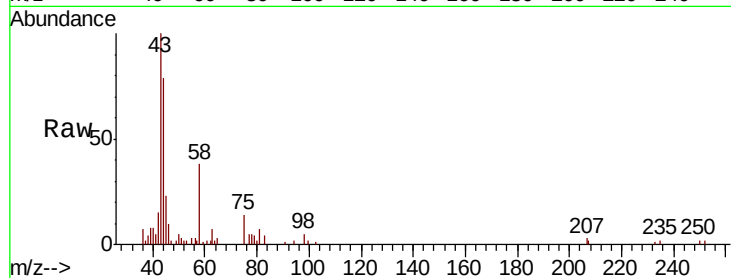
ETBK1

Tgt Ion: 43 Resp: 12658

Ion Ratio Lower Upper

43 100

58 38.3 0.0 73.0



#15

Methyl Acetate

Concen: 1.494 ug/L

RT: 2.46 min Scan# 489

Delta R.T. 0.00 min

Lab File: VV007154.D

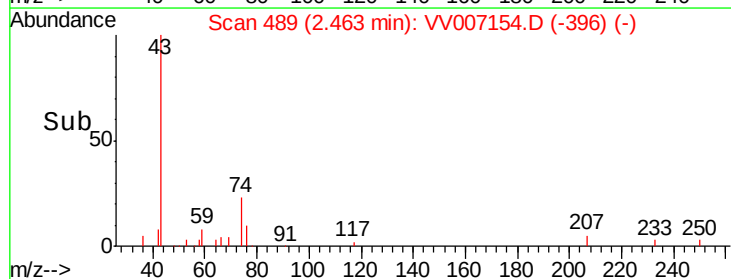
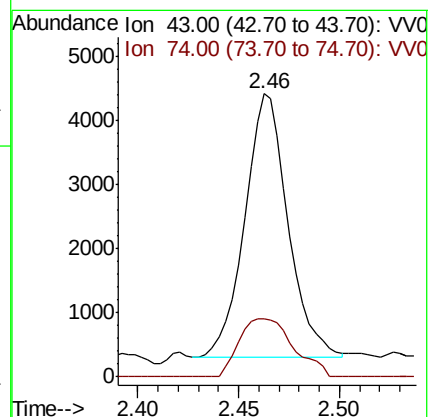
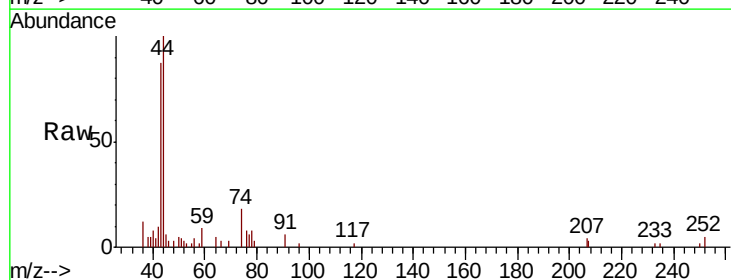
Acq: 23 Aug 2018 21:23

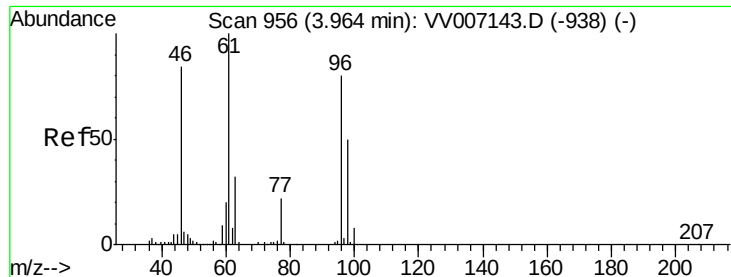
Tgt Ion: 43 Resp: 6159

Ion Ratio Lower Upper

43 100

74 27.7 22.2 33.2

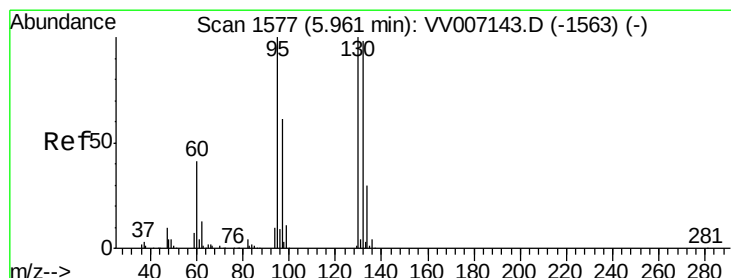
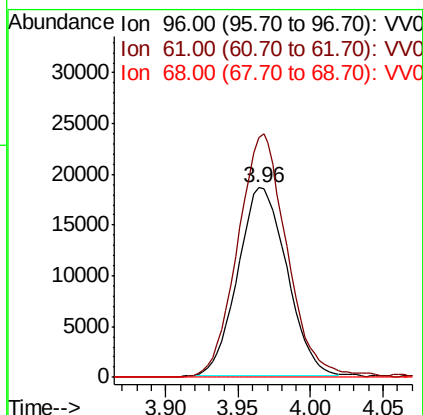
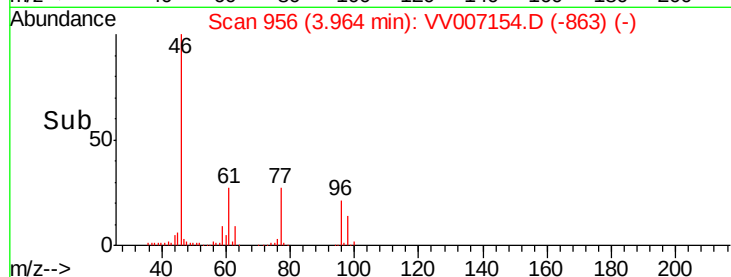
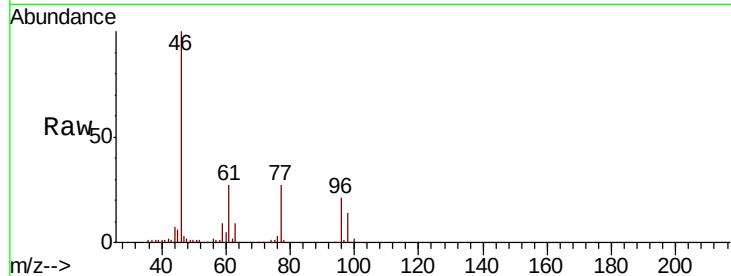




#20  
 cis-1,2-Dichloroethene  
 Concen: 9.626 ug/L  
 RT: 3.96 min Scan# 956  
 Delta R.T. 0.00 min  
 Lab File: VV007154.D  
 Acq: 23 Aug 2018 21:23

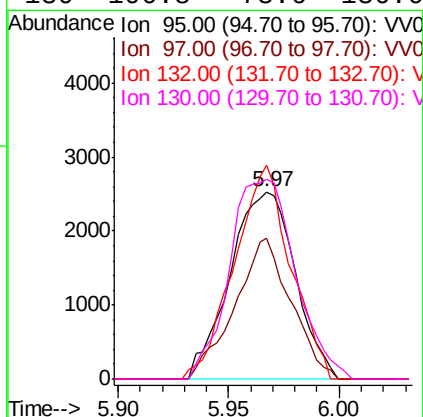
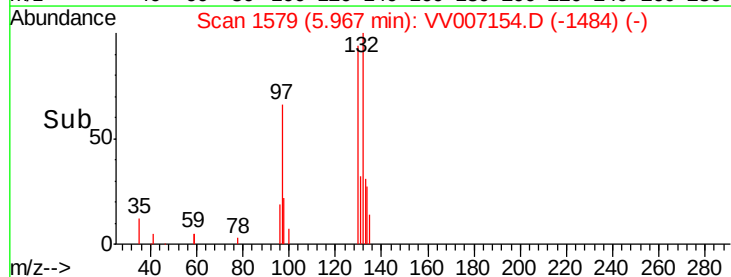
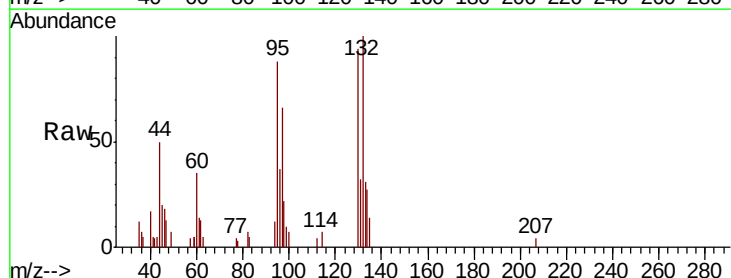
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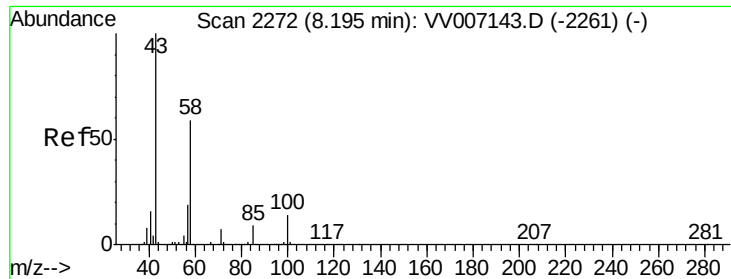
Tgt Ion: 96 Resp: 43688  
 Ion Ratio Lower Upper  
 96 100  
 61 126.1 89.0 165.4  
 68 0.0 0.0 0.0



#34  
 Trichloroethene  
 Concen: 1.251 ug/L  
 RT: 5.97 min Scan# 1579  
 Delta R.T. 0.01 min  
 Lab File: VV007154.D  
 Acq: 23 Aug 2018 21:23

Tgt Ion: 95 Resp: 5168  
 Ion Ratio Lower Upper  
 95 100  
 97 74.9 45.1 83.9  
 132 114.1 69.7 129.4  
 130 106.8 73.6 136.6





#48  
 2-Hexanone  
 Concen: 7.738 ug/L  
 RT: 8.19 min Scan# 2271  
 Delta R.T. -0.00 min  
 Lab File: VV007154.D  
 Acq: 23 Aug 2018 21:23

Instrument :  
 MSVOA\_V  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 35394 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 48.1  | 47.9  | 71.9  |
| 57       | 16.1  | 15.8  | 23.8  |
| 100      | 11.5  | 10.6  | 16.0  |

