

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120919\  
 Data File : VV013966.D  
 Acq On : 09 Dec 2019 16:59  
 Operator : SY/MD  
 Sample : K6148-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBBS6

Quant Time: Dec 10 06:19:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 10 04:29:32 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 681638   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 632121   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 278452   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 175139   | 44.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.86% |
| 7) Chloroethane-d5             | 1.56    | 69    | 187914   | 45.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.34% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 287363   | 32.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.92% |
| 21) 2-Butanone-d5              | 3.92    | 46    | 257094   | 92.65    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 92.65% |
| 24) Chloroform-d               | 4.39    | 84    | 355420   | 42.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.86% |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 226817   | 43.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.46% |
| 32) Benzene-d6                 | 5.09    | 84    | 734682   | 44.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.70% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 235866   | 47.97    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.94% |
| 41) Toluene-d8                 | 7.35    | 98    | 623508   | 41.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.50% |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 92527    | 38.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.34% |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 171167   | 93.23    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.23% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 308944   | 43.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.78% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 255312   | 46.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.36% |

## Target Compounds

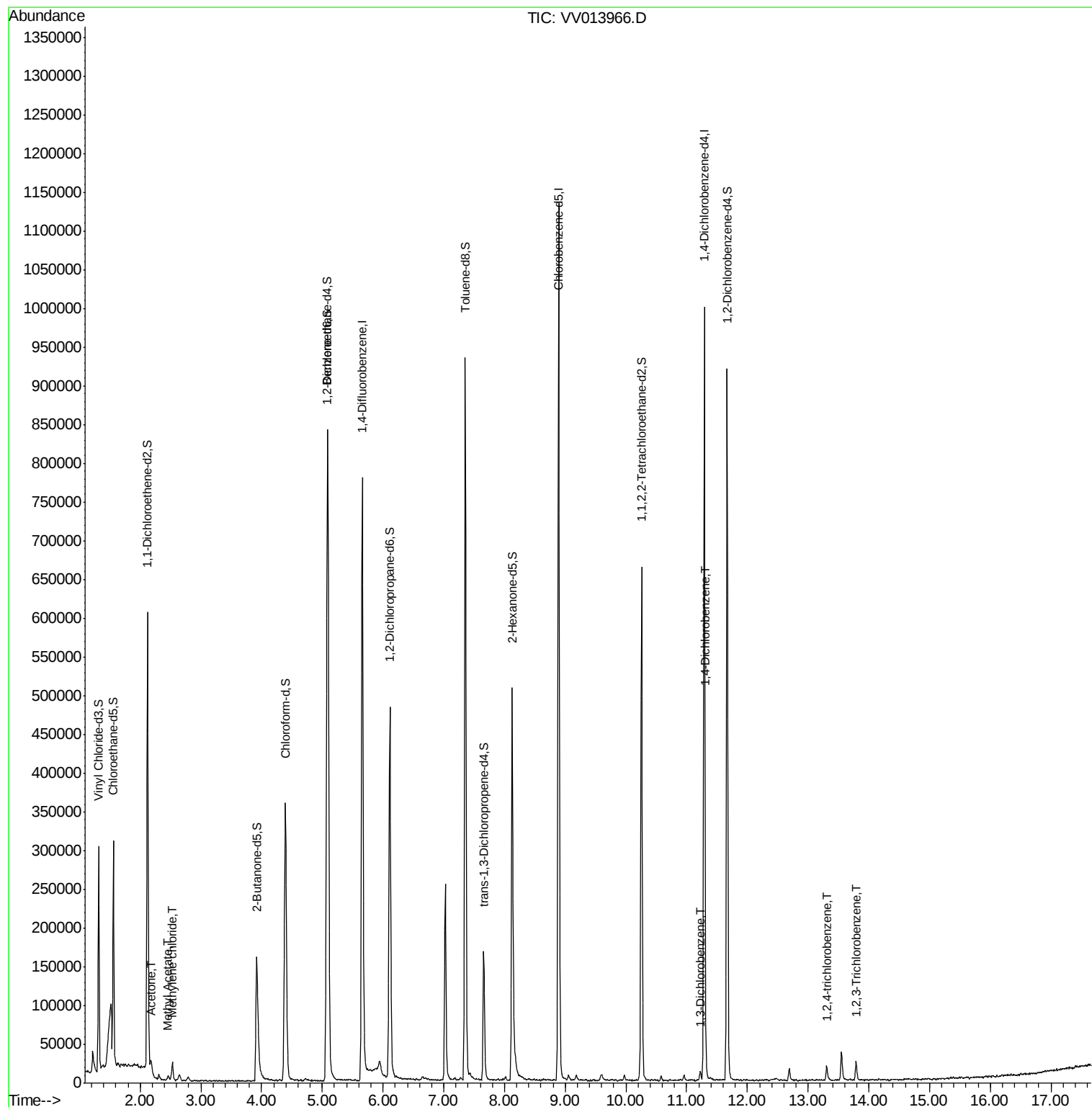
|                            |       |     |       |       | Ovalue  |
|----------------------------|-------|-----|-------|-------|---------|
| 13) Acetone                | 2.18  | 43  | 6978  | 1.716 | ug/L 57 |
| 15) Methyl Acetate         | 2.46  | 43  | 6264  | 1.250 | ug/L 92 |
| 16) Methylene chloride     | 2.53  | 84  | 10049 | 1.949 | ug/L 88 |
| 62) 1,3-Dichlorobenzene    | 11.23 | 146 | 4951  | 0.542 | ug/L 84 |
| 63) 1,4-Dichlorobenzene    | 11.31 | 146 | 5885  | 0.623 | ug/L 95 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 6238  | 0.932 | ug/L 94 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 7490  | 1.070 | ug/L 98 |

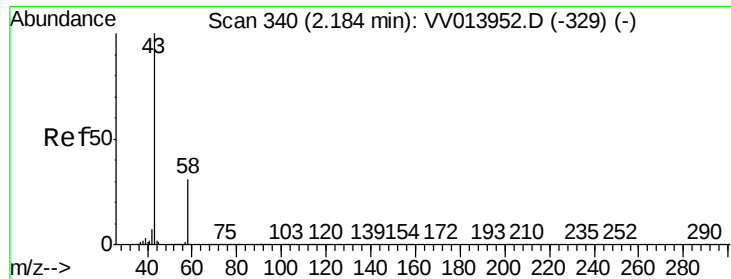
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Dec 10 04:29:32 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.716 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013966.D

Acq: 09 Dec 2019 16:59

Instrument :

MSVOA\_V

ClientSampleId :

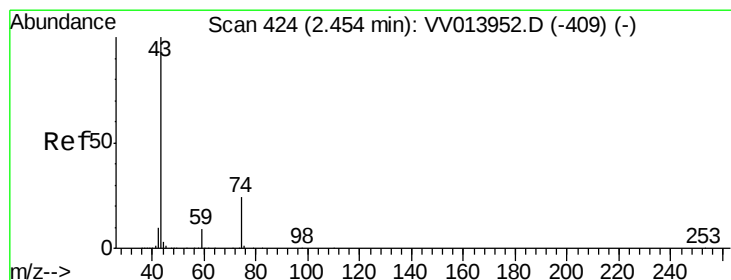
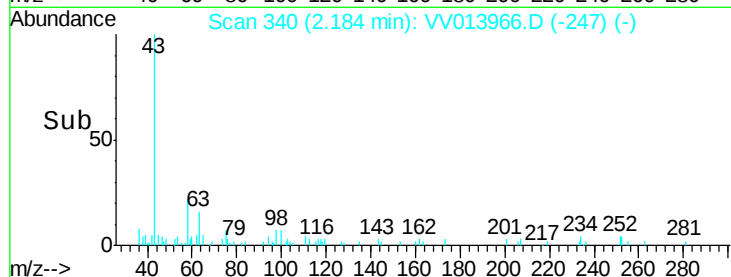
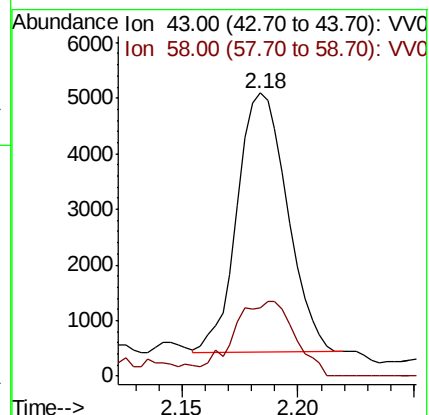
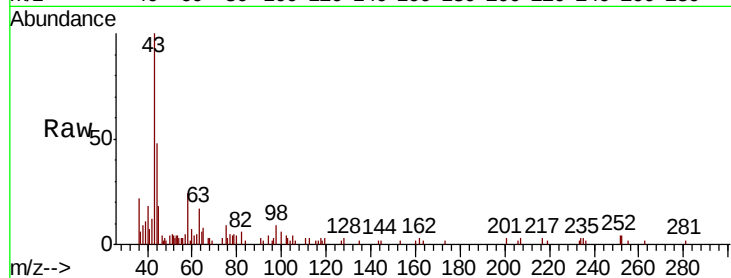
DBBS6

Tot Ion: 43 Resp: 6978

Ion Ratio Lower Upper

43 100

58 7.0 0.0 60.8



#15

Methyl Acetate

Concen: 1.250 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV013966.D

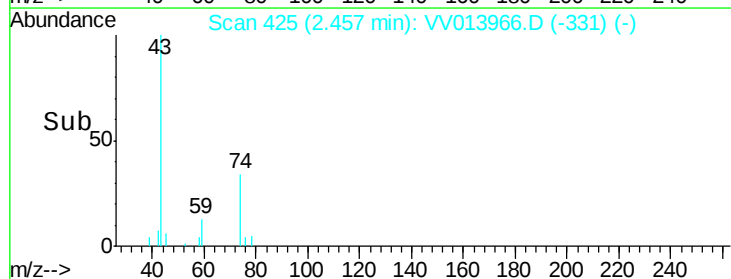
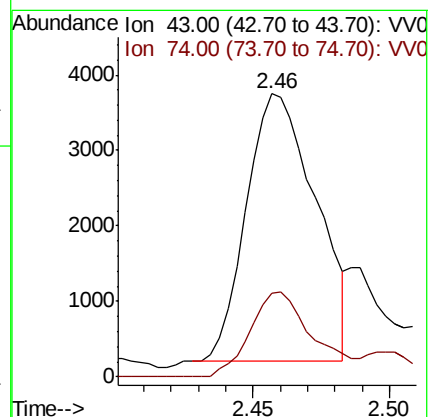
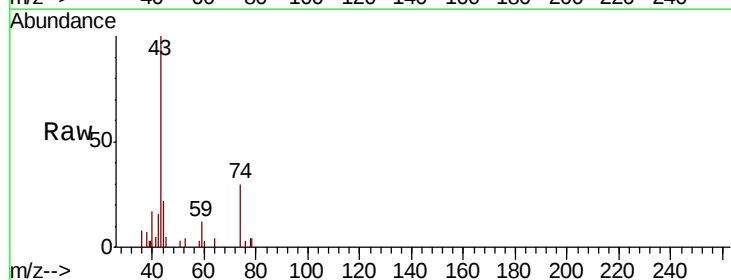
Acq: 09 Dec 2019 16:59

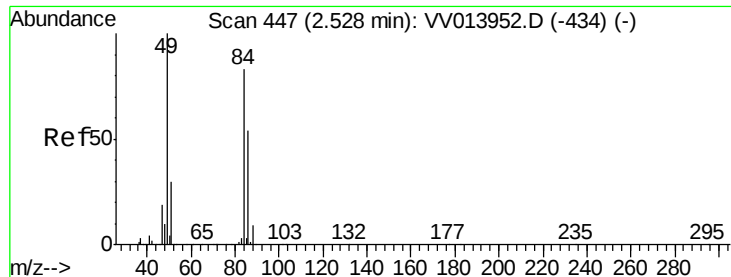
Tgt Ion: 43 Resp: 6264

Ion Ratio Lower Upper

43 100

74 28.2 19.3 28.9

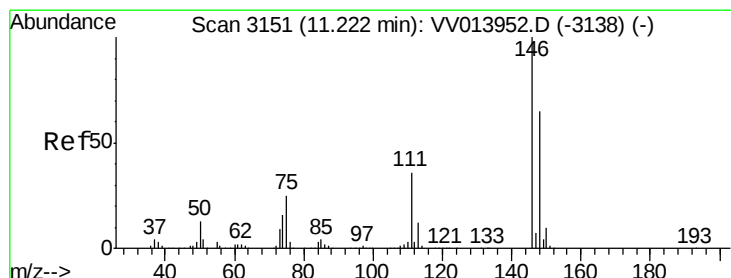
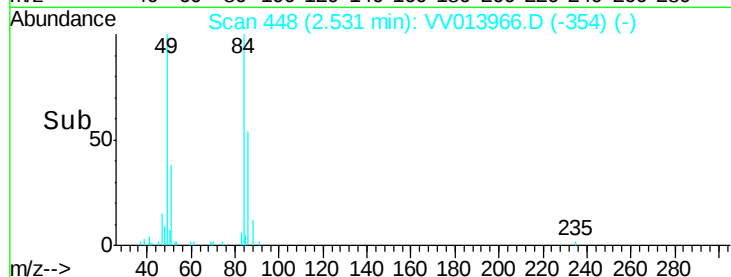
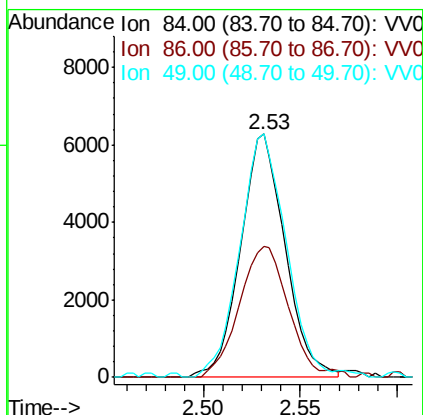
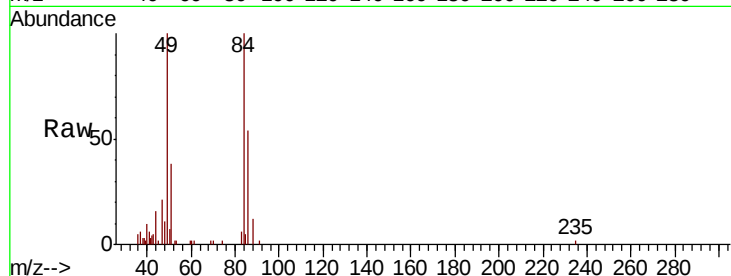




#16  
Methvlene chloride  
Concen: 1.949 ug/L  
RT: 2.53 min Scan# 448  
Delta R.T. 0.00 min  
Lab File: VV013966.D  
Acq: 09 Dec 2019 16:59

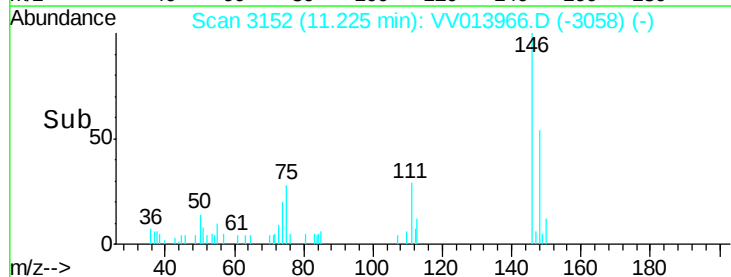
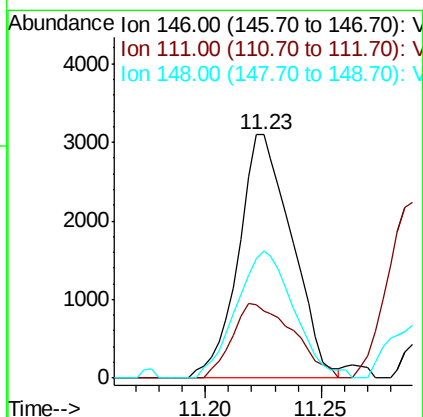
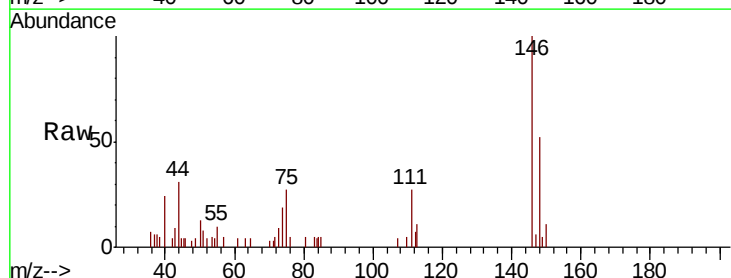
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBBS6

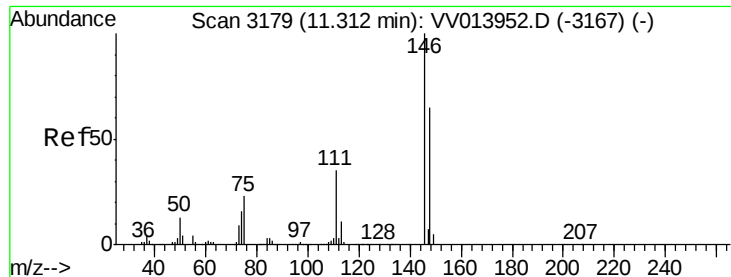
Tot Ion: 84 Resp: 10049  
Ion Ratio Lower Upper  
84 100  
86 54.0 43.9 81.5  
49 99.8 79.7 147.9



#62  
1,3-Dichlorobenzene  
Concen: 0.542 ug/L  
RT: 11.23 min Scan# 3152  
Delta R.T. 0.00 min  
Lab File: VV013966.D  
Acq: 09 Dec 2019 16:59

Tgt Ion: 146 Resp: 4951  
Ion Ratio Lower Upper  
146 100  
111 27.5 25.8 48.0  
148 52.0 45.2 84.0





#63

1,4-Dichlorobenzene

Concen: 0.623 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013966.D

Acq: 09 Dec 2019 16:59

Instrument :

MSVOA\_V

ClientSampleId :

DBBS6

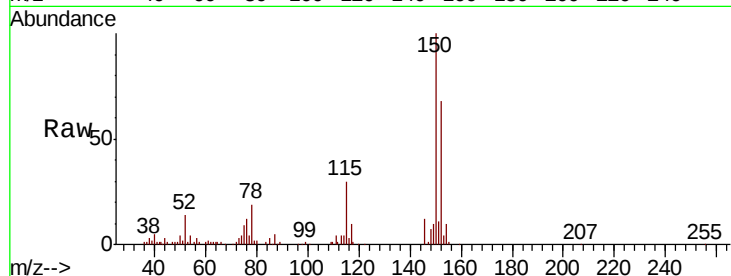
Tot Ion:146 Resp: 5885

Ion Ratio Lower Upper

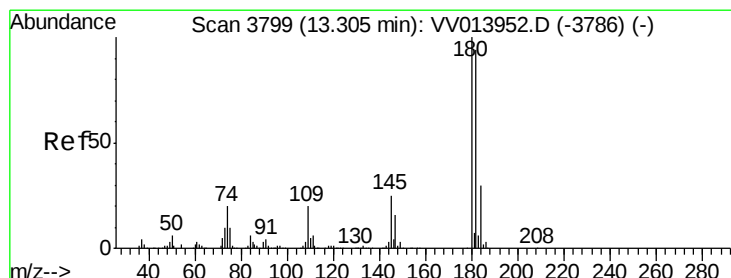
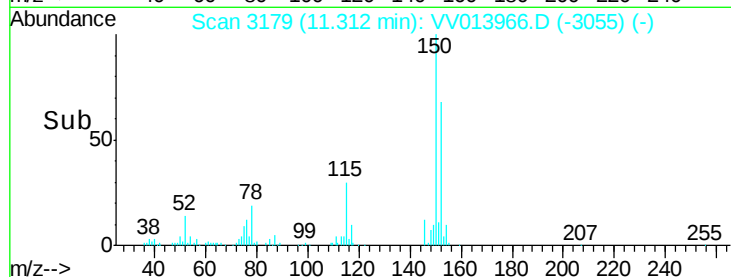
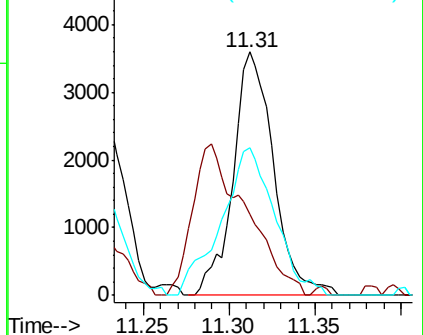
146 100

111 33.2 25.4 47.2

148 60.4 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V  
Ion 111.00 (110.70 to 111.70): V  
Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 0.932 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV013966.D

Acq: 09 Dec 2019 16:59

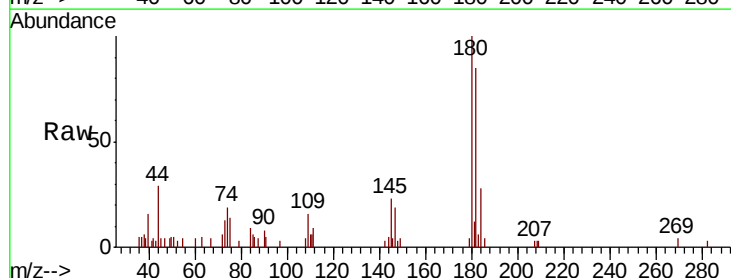
Tgt Ion:180 Resp: 6238

Ion Ratio Lower Upper

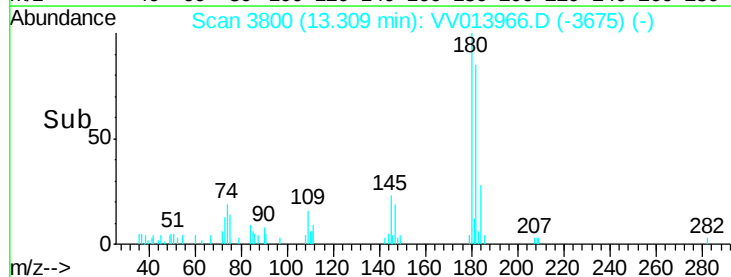
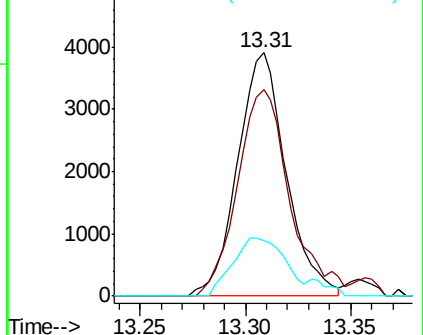
180 100

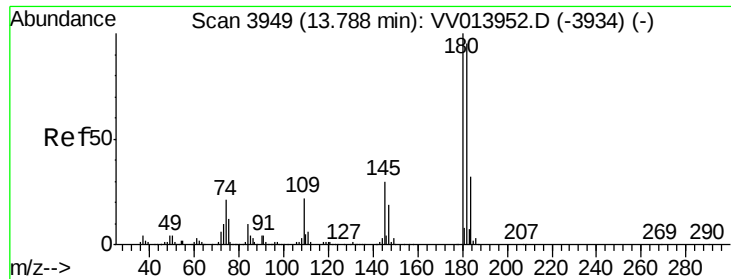
182 89.0 76.2 114.4

145 25.6 21.9 32.9



Abundance Ion 180.00 (179.70 to 180.70): V  
Ion 182.00 (181.70 to 182.70): V  
Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 1.070 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013966.D

Acq: 09 Dec 2019 16:59

Instrument :

MSVOA\_V

ClientSampleId :

DBBS6

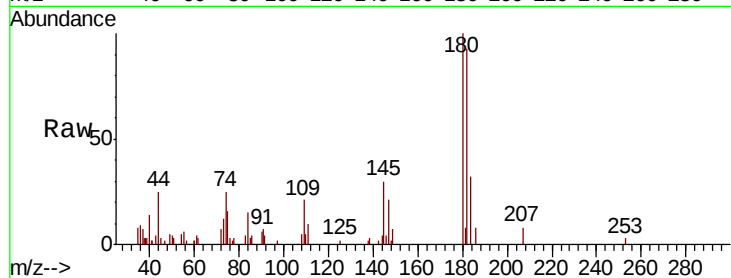
Tot Ion:180 Resp: 7490

Ion Ratio Lower Upper

180 100

182 98.6 77.0 115.4

145 27.1 22.6 34.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

