

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120919\  
 Data File : VV013962.D  
 Acq On : 09 Dec 2019 14:56  
 Operator : SY/MD  
 Sample : K6146-06  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBBT6

Manual Integrations  
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 12/10/2019 4:06:09 PM

Quant Time: Dec 10 05:59:19 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  | 633946   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 622381   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 269227   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 176024   | 48.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 96.02%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 190246   | 49.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 301914   | 37.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.48%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 257557   | 99.80    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 99.80%  |
| 24) Chloroform-d               | 4.39    | 84    | 351227   | 45.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 221835   | 45.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.94%  |
| 32) Benzene-d6                 | 5.09    | 84    | 712828   | 44.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 210080   | 43.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.80%  |
| 41) Toluene-d8                 | 7.35    | 98    | 619108   | 42.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.22%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 96615    | 41.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.02%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 202424   | 111.98   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 111.98% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 318845   | 45.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.98%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 252227   | 47.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.40%  |

## Target Compounds

| Target Compounds       | R.T. | QIon | Response | Conc   | Units | Ovalue |
|------------------------|------|------|----------|--------|-------|--------|
| 13) Acetone            | 2.19 | 43   | 43426    | 11.483 | ug/L  | 100    |
| 15) Methyl Acetate     | 2.46 | 43   | 16138    | 3.462  | ug/L  | 97     |
| 16) Methylene chloride | 2.53 | 84   | 10528    | 2.195  | ug/L  | 92     |
| 22) 2-Butanone         | 4.05 | 43   | 7070m    | 1.948  | ug/L  |        |
| 33) Benzene            | 5.15 | 78   | 37669    | 2.032  | ug/L  | 100    |

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

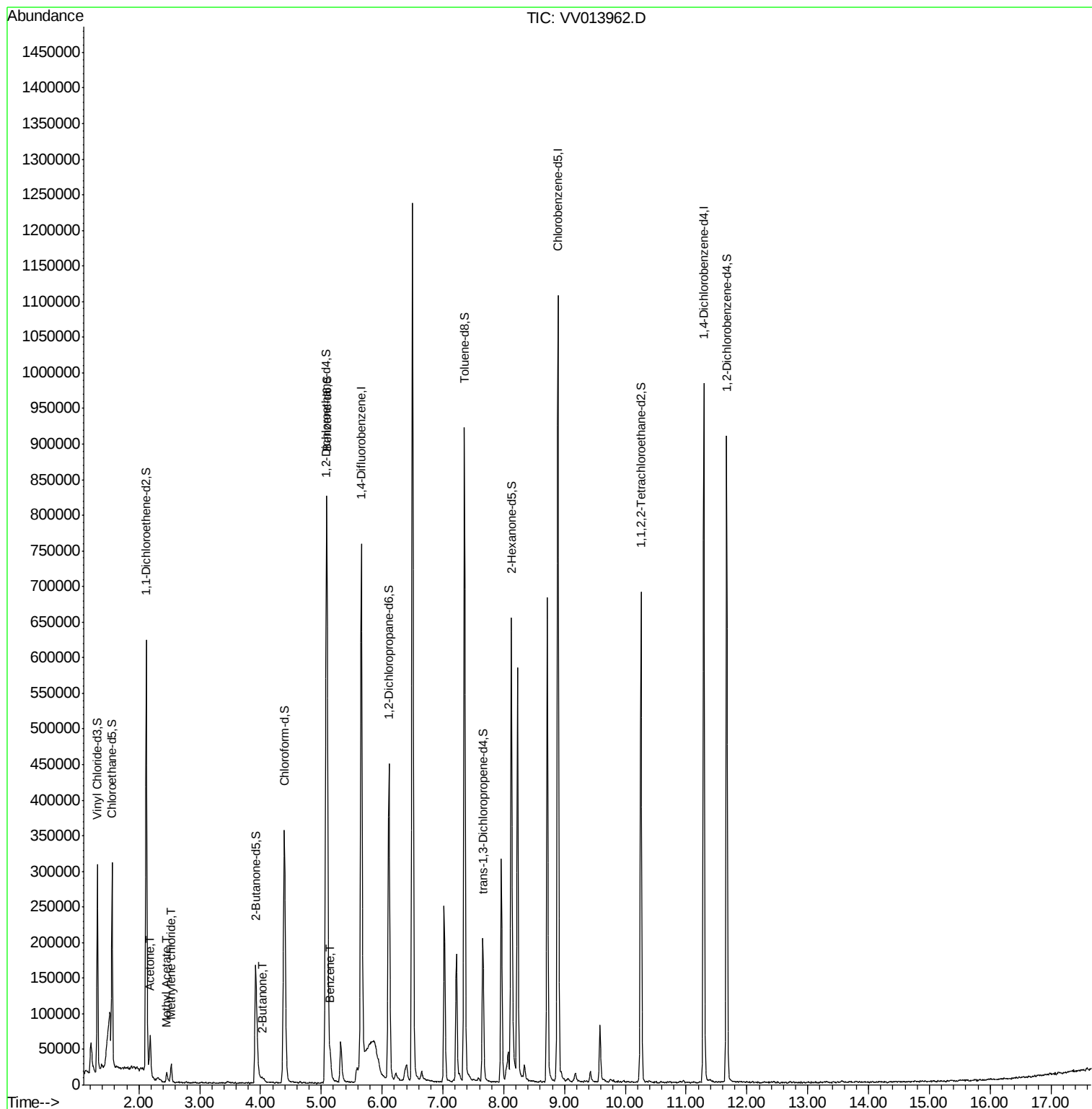
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV120919\  
Data File : VV013962.D  
Acq On : 09 Dec 2019 14:56  
Operator : SY/MD  
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Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 12 Sample Multiplier: 1

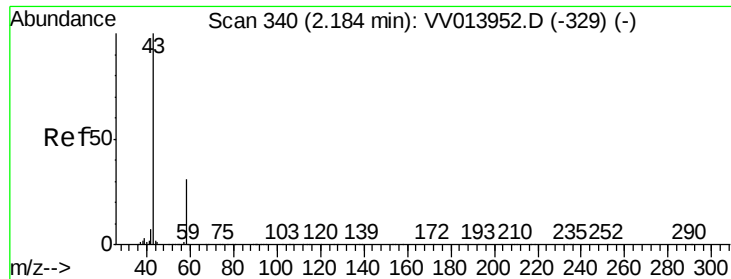
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBBT6

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Quant Time: Dec 10 05:59:19 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 10 04:29:32 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 11.483 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV013962.D

Acq: 09 Dec 2019 14:56

Instrument :

MSVOA\_V

ClientSampleId :

DBBT6

Tot Ion: 43 Resp: 43426

Ion Ratio Lower Upper

43 100

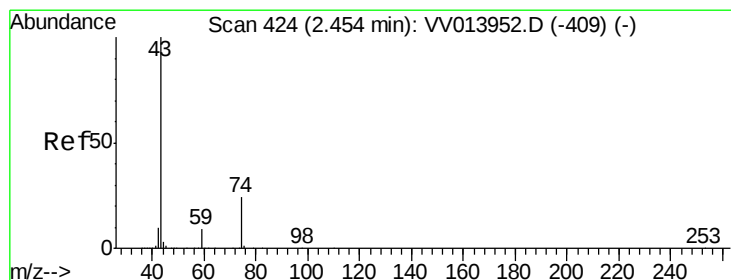
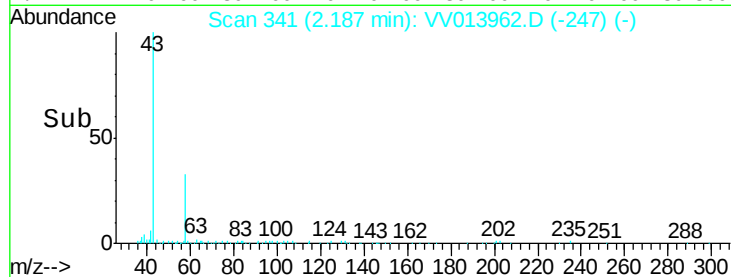
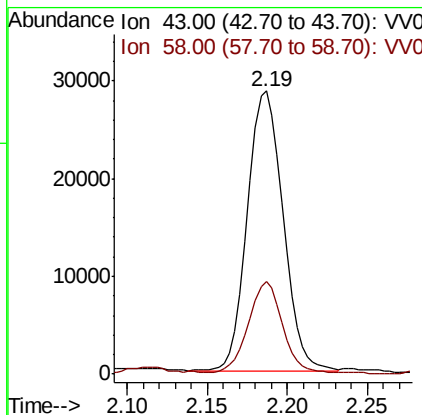
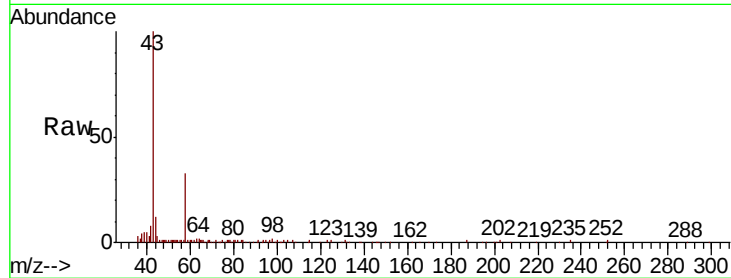
58 30.2 0.0 60.8

Manual Integrations

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#15

Methyl Acetate

Concen: 3.462 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV013962.D

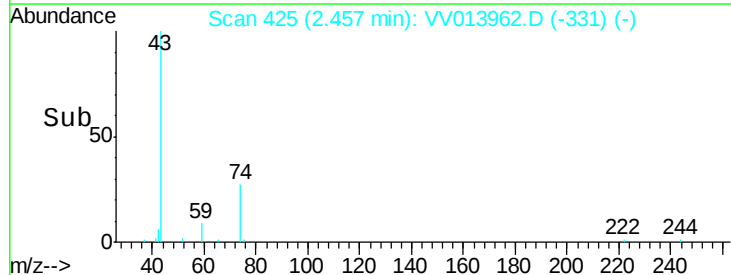
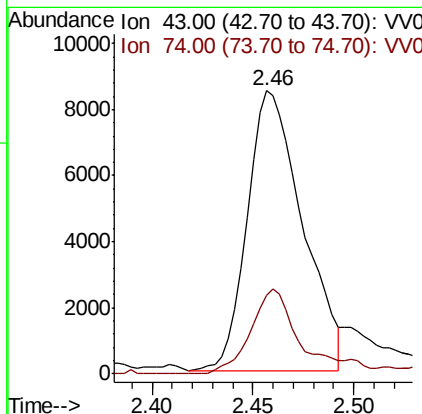
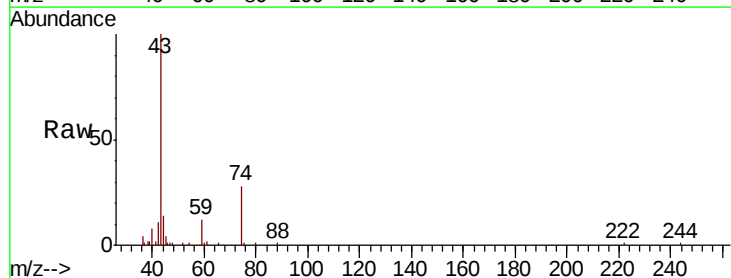
Acq: 09 Dec 2019 14:56

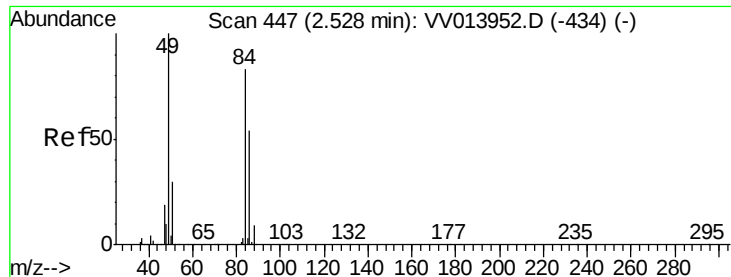
Tgt Ion: 43 Resp: 16138

Ion Ratio Lower Upper

43 100

74 25.6 19.3 28.9





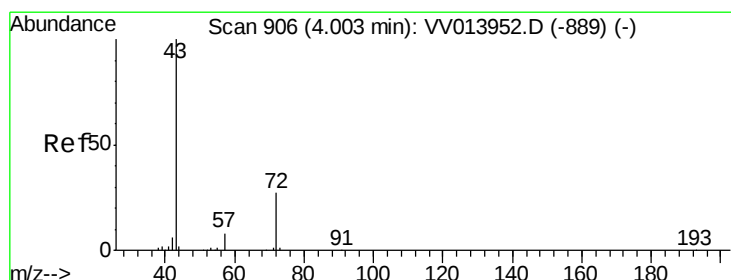
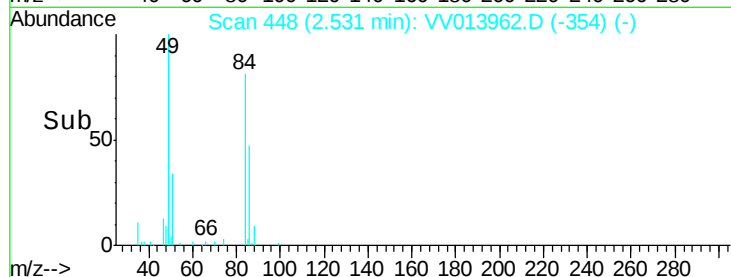
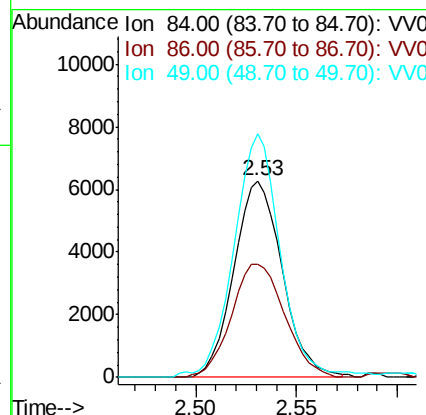
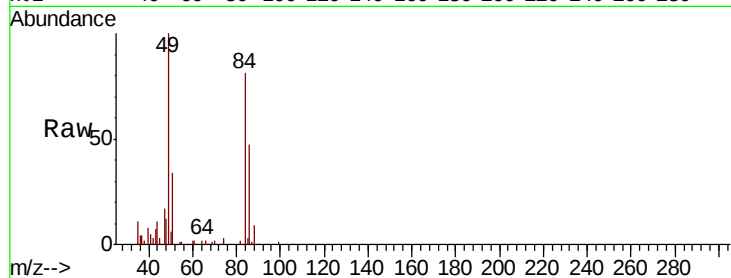
#16  
Methvlene chloride  
Concen: 2.195 ug/L  
RT: 2.53 min Scan# 448  
Delta R.T. 0.00 min  
Lab File: VV013962.D  
Acq: 09 Dec 2019 14:56

Instrument :  
MSVOA\_V  
ClientSampled :  
DBBT6

| Tot Ion   | 84    | Resp  | 10528 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 84        | 100   |       |       |
| 86        | 57.6  | 43.9  | 81.5  |
| 49        | 123.7 | 79.7  | 147.9 |

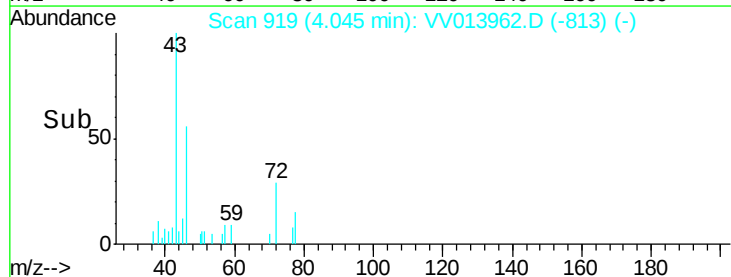
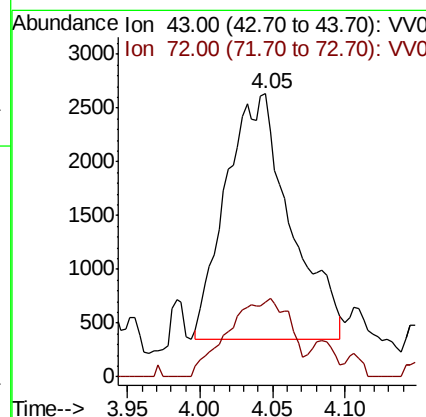
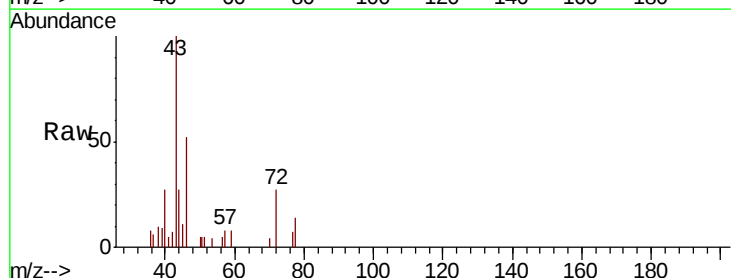
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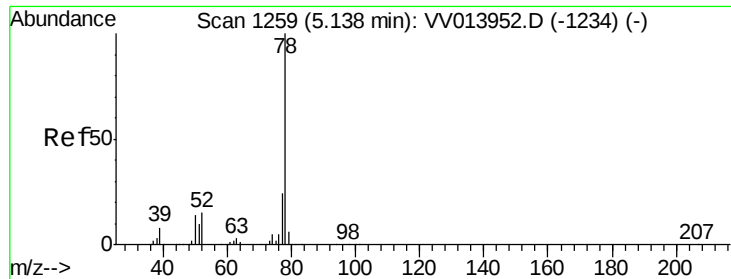
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#22  
2-Butanone  
Concen: 1.948 ug/L m  
RT: 4.05 min Scan# 919  
Delta R.T. 0.04 min  
Lab File: VV013962.D  
Acq: 09 Dec 2019 14:56

| Tgt Ion   | 43    | Resp  | 7070 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 72        | 17.3  | 14.1  | 42.2 |





#33  
Benzene  
Concen: 2.032 ug/L  
RT: 5.15 min Scan# 1262  
Delta R.T. 0.01 min  
Lab File: VV013962.D  
Acq: 09 Dec 2019 14:56

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBBT6

Tgt Ion: 78 Resp: 37669

Manual Integrations  
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