

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122819\  
 Data File : VV014211.D  
 Acq On : 28 Dec 2019 12:50  
 Operator : SY/MD  
 Sample : K6432-04RE  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF6X2RE

Quant Time: Dec 30 00:56:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR122719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Dec 30 00:30:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 1095122  | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 991841   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 465238   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 154227   | 3.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 60.00%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 140651   | 3.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 65.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 203932   | 2.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 44.20%# |
| 20) 2-Butanone-d5              | 3.92   | 46    | 432797   | 33.97    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 67.94%  |
| 24) Chloroform-d               | 4.40   | 84    | 351573   | 2.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 54.60%# |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 175508   | 2.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 56.60%# |
| 32) Benzene-d6                 | 5.09   | 84    | 756841   | 2.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 55.80%# |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 241703   | 2.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 59.00%# |
| 41) Toluene-d8                 | 7.35   | 98    | 705622   | 2.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 55.80%# |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 101495   | 2.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 55.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 400758   | 28.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 57.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25  | 84    | 169529   | 2.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 58.00%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 238437   | 2.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 57.20%# |

## Target Compounds

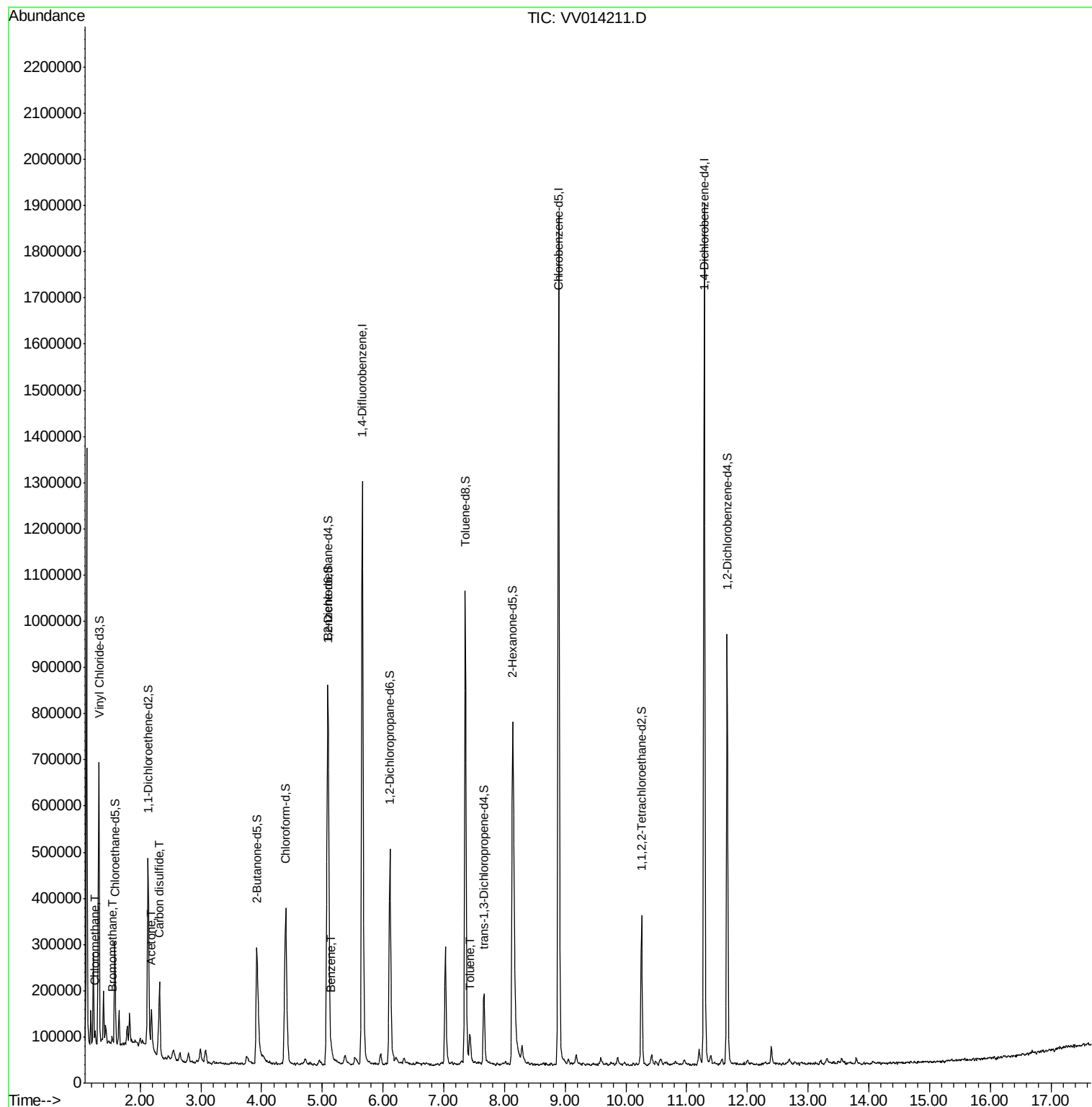
|                      |      |    |        |            | Ovalue |
|----------------------|------|----|--------|------------|--------|
| 3) Chloromethane     | 1.26 | 50 | 21782  | 0.289 ug/L | 92     |
| 6) Bromomethane      | 1.53 | 94 | 6871   | 0.208 ug/L | 98     |
| 13) Acetone          | 2.18 | 43 | 67495  | 8.589 ug/L | 98     |
| 14) Carbon disulfide | 2.32 | 76 | 175359 | 0.828 ug/L | 100    |
| 33) Benzene          | 5.14 | 78 | 26514  | 0.086 ug/L | 100    |
| 42) Toluene          | 7.43 | 91 | 48969  | 0.145 ug/L | 100    |

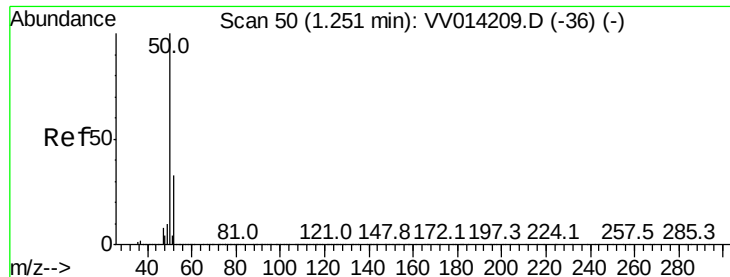
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Dec 30 00:30:20 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.289 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV014211.D

Acq: 28 Dec 2019 12:50

Instrument :

MSVOA\_V

ClientSampleId :

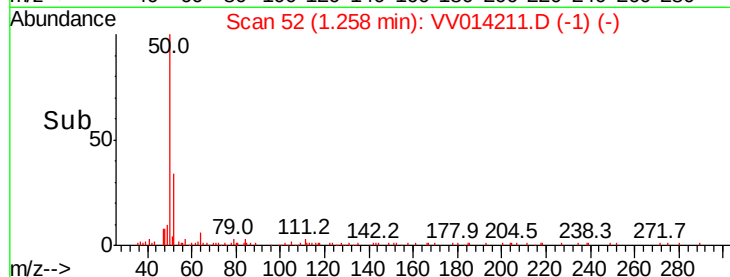
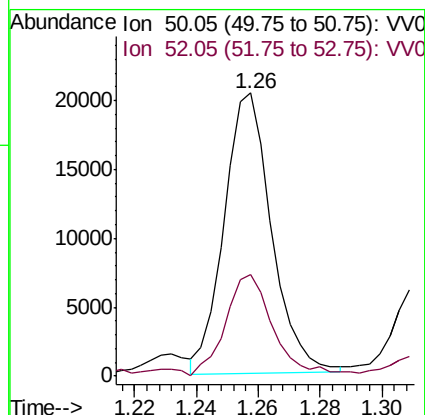
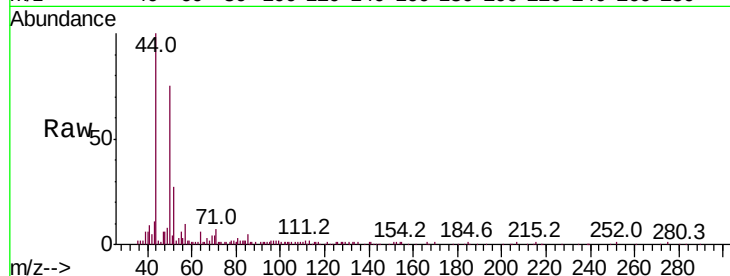
BF6X2RE

Tot Ion: 50 Resp: 21782

Ion Ratio Lower Upper

50 100

52 36.0 22.3 41.3



#6

Bromomethane

Concen: 0.208 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014211.D

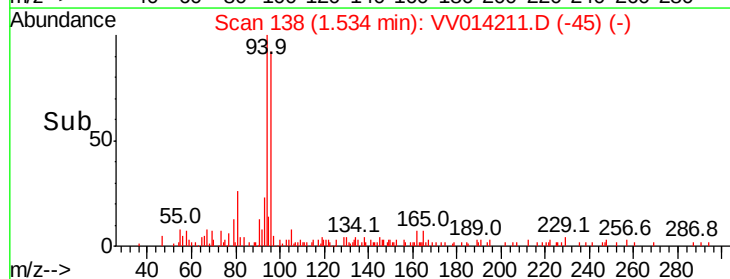
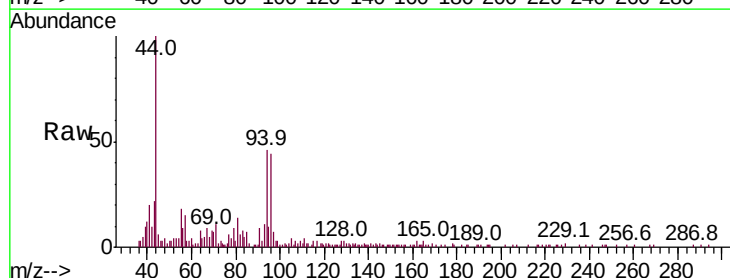
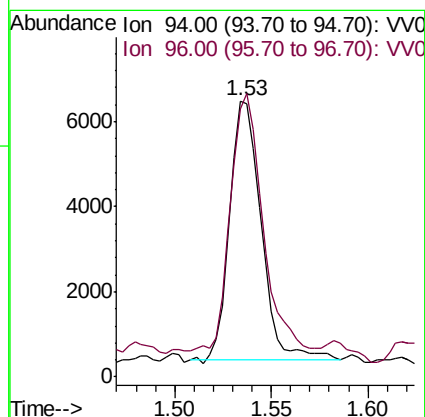
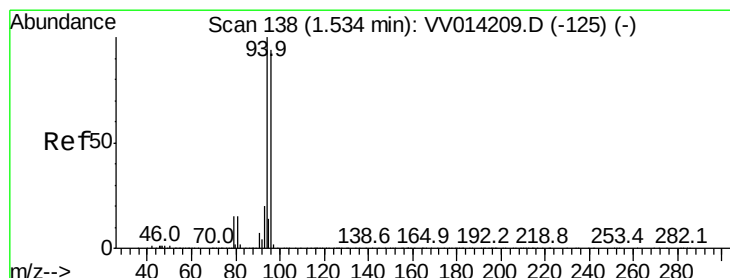
Acq: 28 Dec 2019 12:50

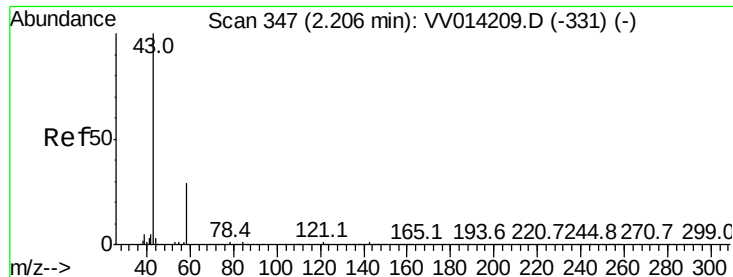
Tgt Ion: 94 Resp: 6871

Ion Ratio Lower Upper

94 100

96 97.2 66.9 124.3





#13

Acetone

Concen: 8.589 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV014211.D

Acq: 28 Dec 2019 12:50

Instrument :

MSVOA\_V

ClientSampleId :

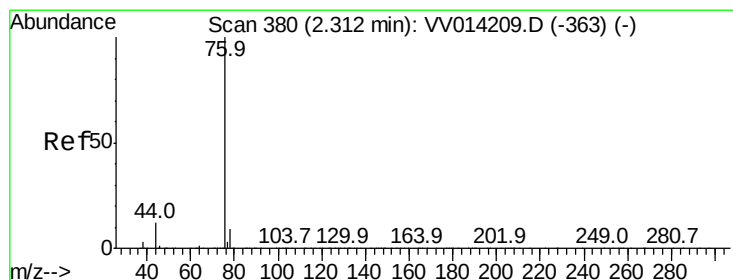
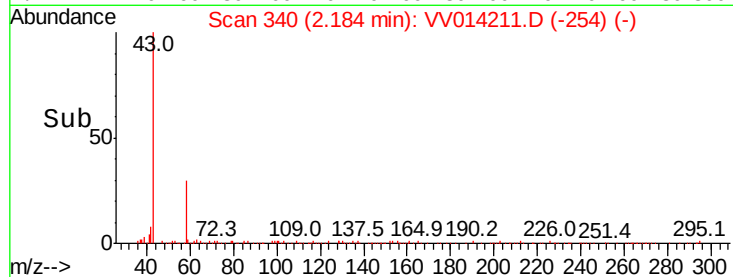
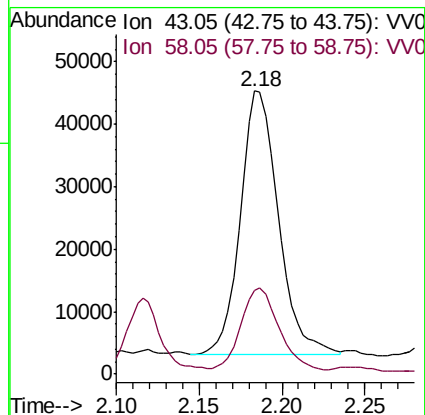
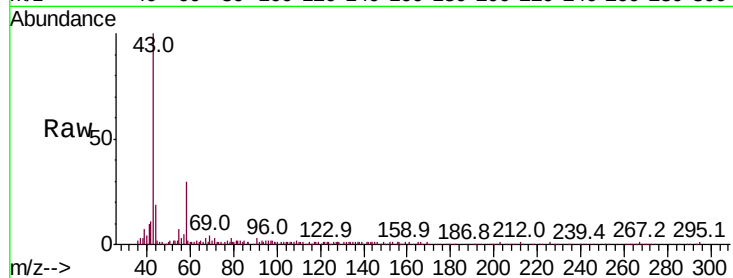
BF6X2RE

Tot Ion: 43 Resp: 67495

Ion Ratio Lower Upper

43 100

58 31.8 0.0 66.0



#14

Carbon disulfide

Concen: 0.828 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014211.D

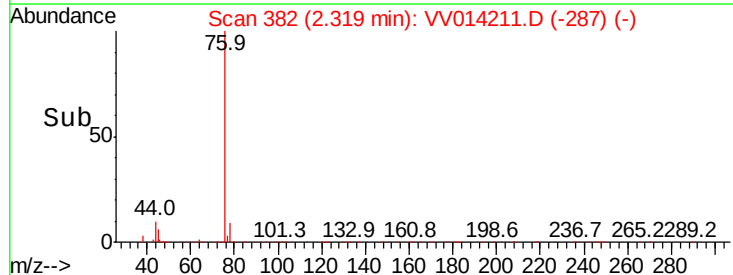
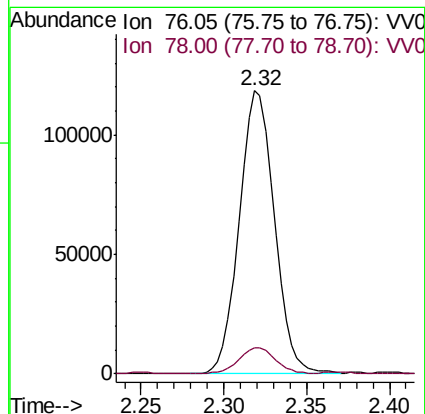
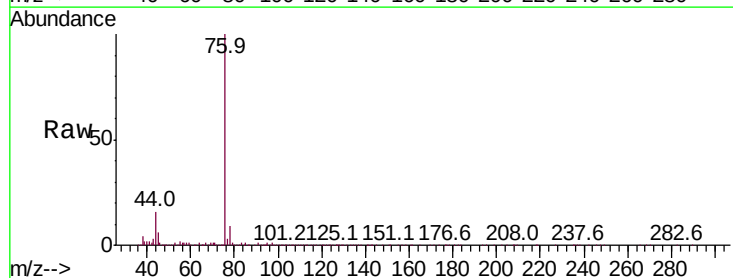
Acq: 28 Dec 2019 12:50

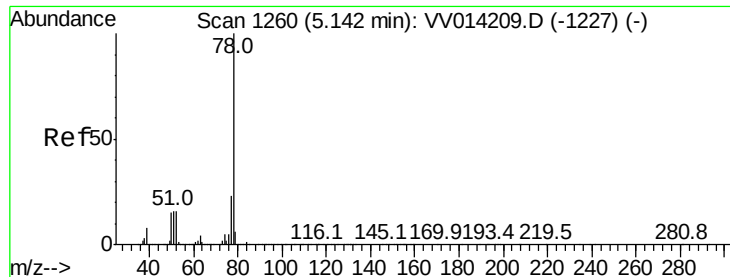
Tgt Ion: 76 Resp: 175359

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#33

Benzene

Concen: 0.086 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV014211.D

Acq: 28 Dec 2019 12:50

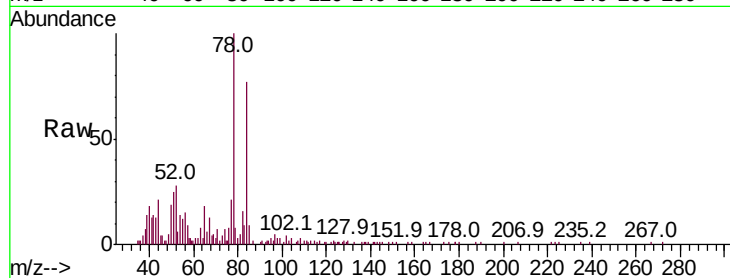
Instrument :

MSVOA\_V

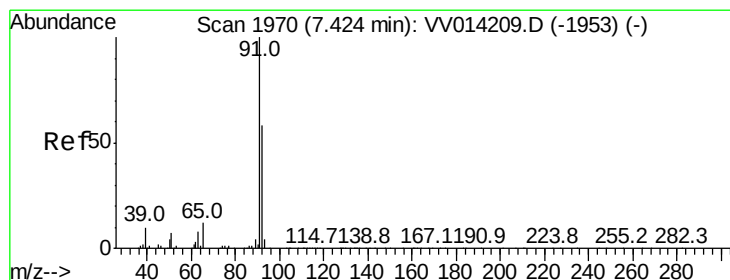
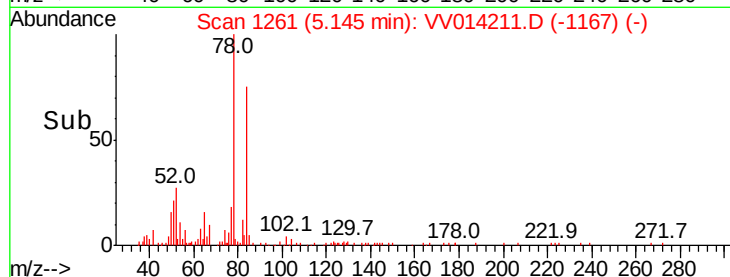
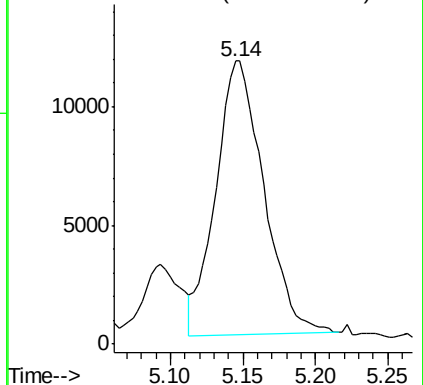
ClientSampleId :

BF6X2RE

Tgt Ion: 78 Resp: 26514



Abundance Ion 78.10 (77.80 to 78.80): VV0



#42

Toluene

Concen: 0.145 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014211.D

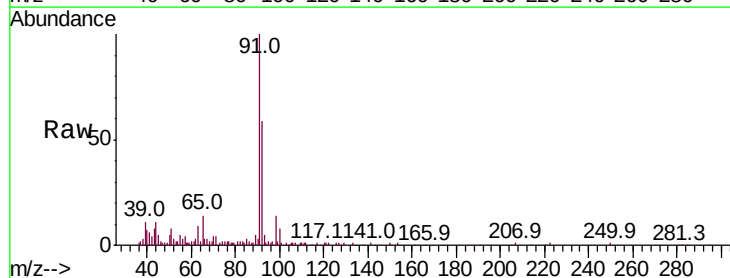
Acq: 28 Dec 2019 12:50

Tgt Ion: 91 Resp: 48969

Ion Ratio Lower Upper

91 100

92 58.7 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

