

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012120\  
 Data File : VV014366.D  
 Acq On : 21 Jan 2020 11:34  
 Operator : SY/MD  
 Sample : L1194-02  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AC1

Quant Time: Jan 21 16:06:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jan 21 15:31:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 792232   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 719068   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 333839   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 9735     | 0.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 3.60%#  |
| 7) Chloroethane-d5             | 1.58   | 69    | 199849   | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 155349   | 1.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 38.00%# |
| 20) 2-Butanone-d5              | 3.95   | 46    | 648491   | 48.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.40%  |
| 24) Chloroform-d               | 4.39   | 84    | 514624   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 246177   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.80%  |
| 32) Benzene-d6                 | 5.09   | 84    | 1008007  | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 325226   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.80%  |
| 41) Toluene-d8                 | 7.35   | 98    | 347939   | 1.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 35.40%# |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 80851    | 2.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 55.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 526018   | 42.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.44%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25  | 84    | 223458   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 302348   | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.40%  |

## Target Compounds

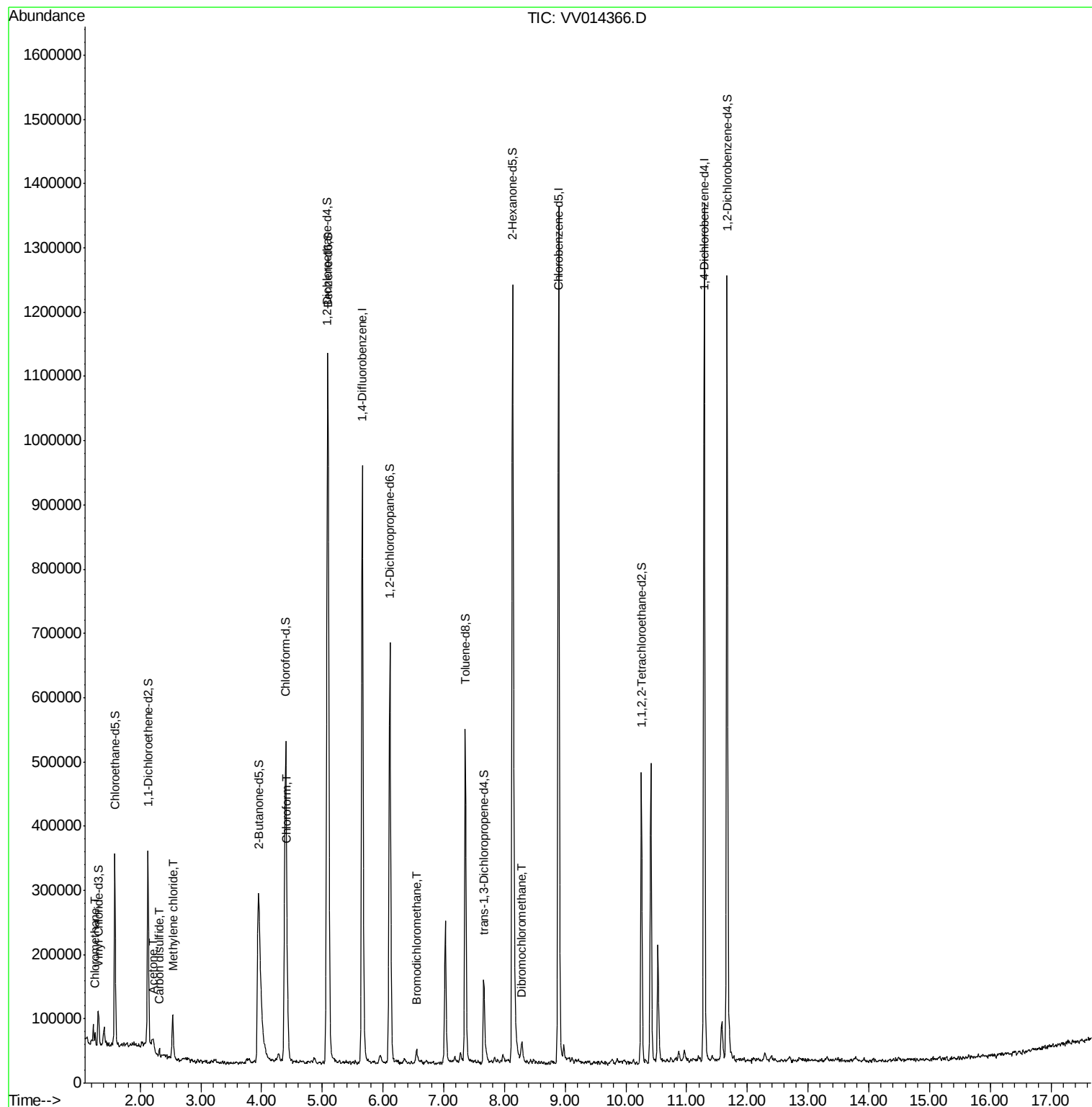
| Target Compounds         | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------|------|------|----------|-------|--------|--------|
| 3) Chloromethane         | 1.25 | 50   | 14175    | 0.239 | ug/L   | 96     |
| 13) Acetone              | 2.22 | 43   | 32190    | 3.510 | ug/L   | 88     |
| 14) Carbon disulfide     | 2.32 | 76   | 15754    | 0.100 | ug/L # | 93     |
| 16) Methylene chloride   | 2.54 | 84   | 26408    | 0.458 | ug/L   | 94     |
| 25) Chloroform           | 4.42 | 83   | 60520    | 0.606 | ug/L   | 98     |
| 38) Bromodichloromethane | 6.55 | 83   | 14868    | 0.206 | ug/L # | 94     |
| 49) Dibromochloromethane | 8.28 | 129  | 10688    | 0.237 | ug/L   | 88     |

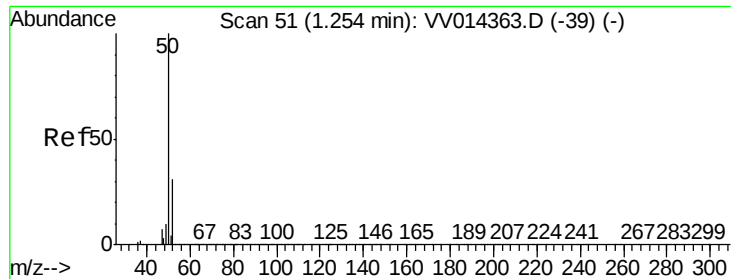
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.239 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014366.D

Acq: 21 Jan 2020 11:34

Instrument :

MSVOA\_V

ClientSampleId :

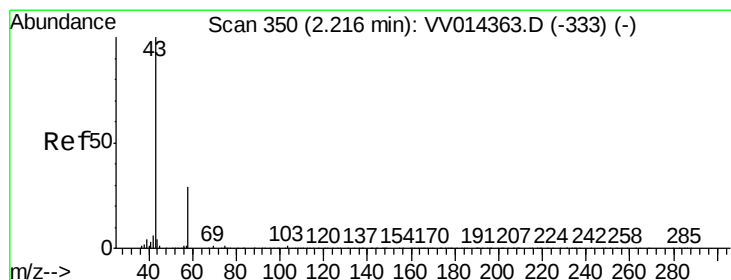
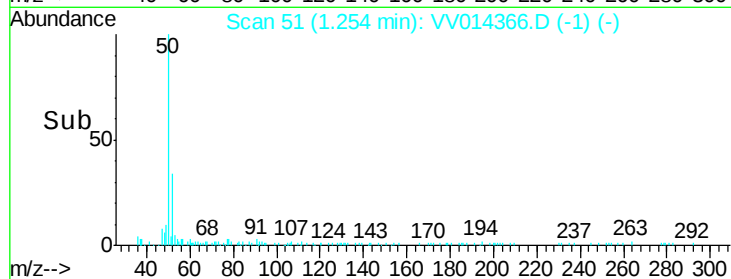
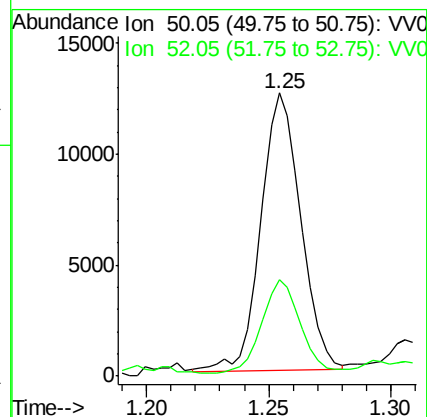
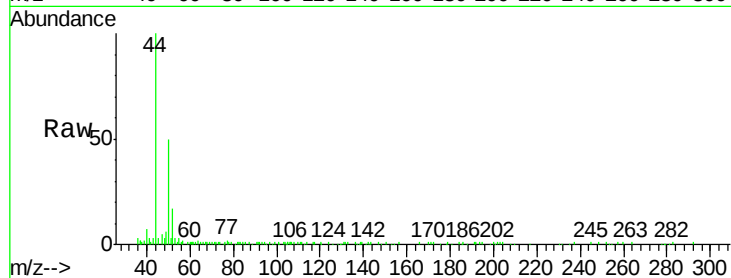
C0AC1

Tot Ion: 50 Resp: 14175

Ion Ratio Lower Upper

50 100

52 33.9 22.3 41.3



#13

Acetone

Concen: 3.510 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

Lab File: VV014366.D

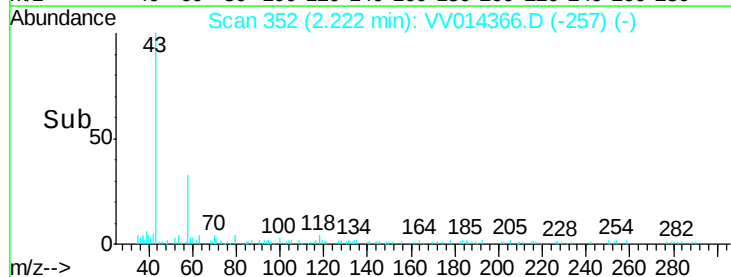
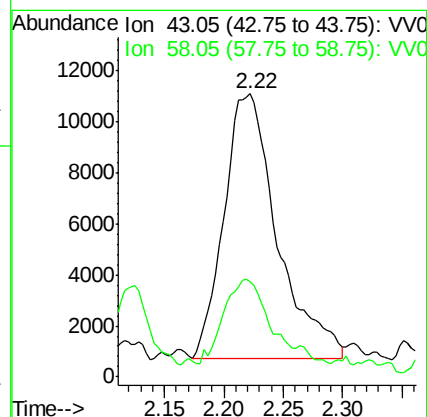
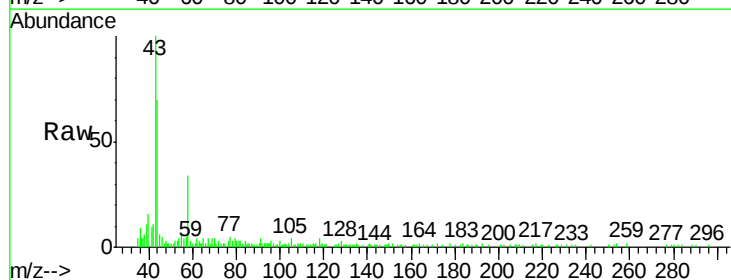
Acq: 21 Jan 2020 11:34

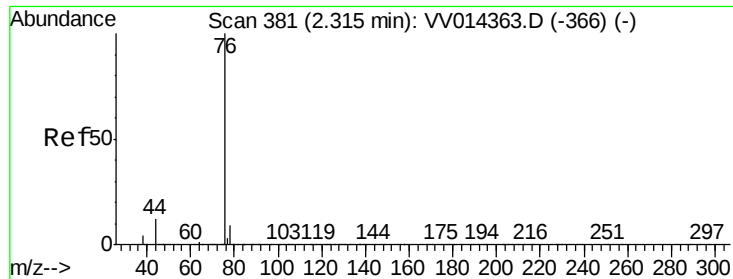
Tgt Ion: 43 Resp: 32190

Ion Ratio Lower Upper

43 100

58 26.4 0.0 66.0





#14

Carbon disulfide

Concen: 0.100 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014366.D

Acq: 21 Jan 2020 11:34

Instrument :

MSVOA\_V

ClientSampleId :

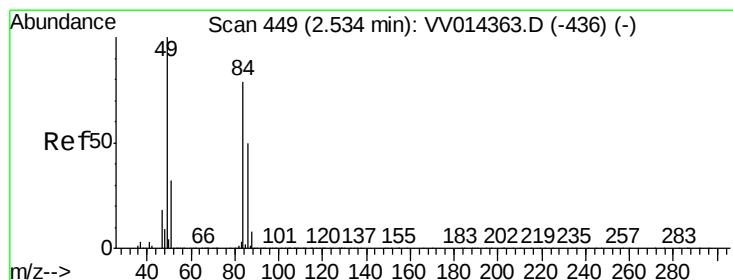
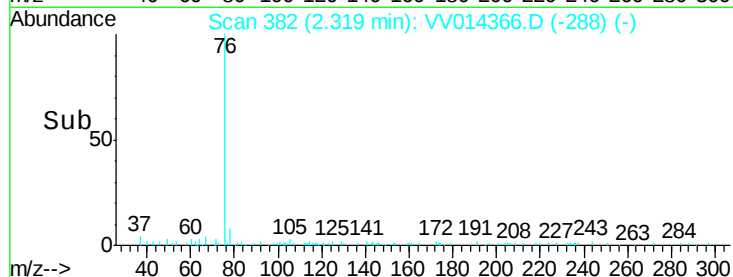
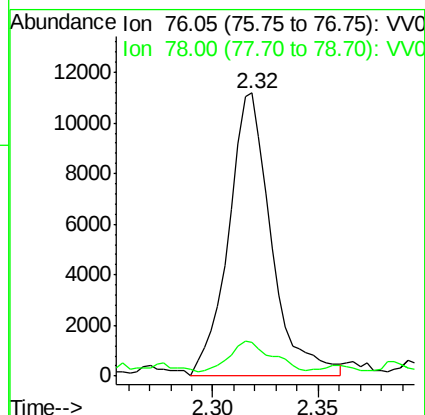
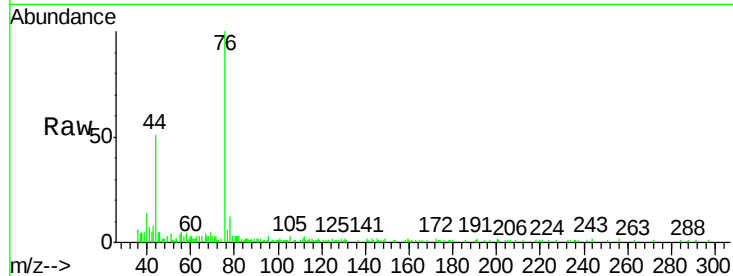
C0AC1

Tot Ion: 76 Resp: 15754

Ion Ratio Lower Upper

76 100

78 12.0 7.5 11.3#



#16

Methylene chloride

Concen: 0.458 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014366.D

Acq: 21 Jan 2020 11:34

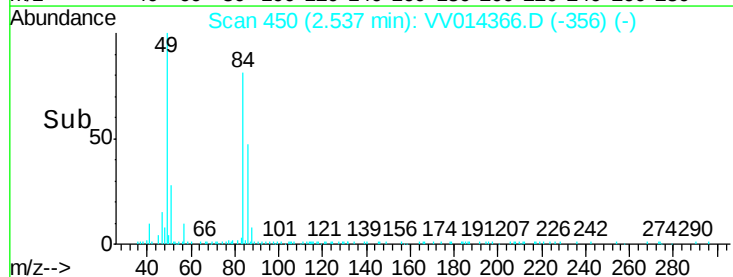
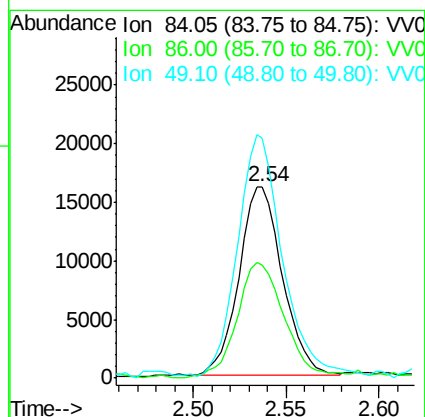
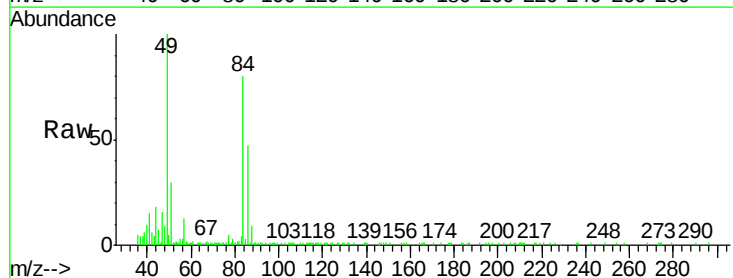
Tgt Ion: 84 Resp: 26408

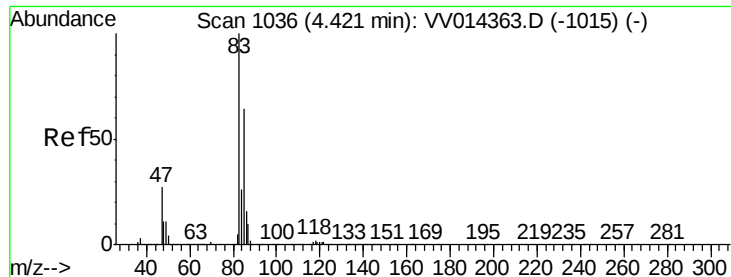
Ion Ratio Lower Upper

84 100

86 58.8 43.1 80.1

49 124.9 82.1 152.5





#25

Chloroform

Concen: 0.606 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014366.D

Acq: 21 Jan 2020 11:34

Instrument :

MSVOA\_V

ClientSampled :

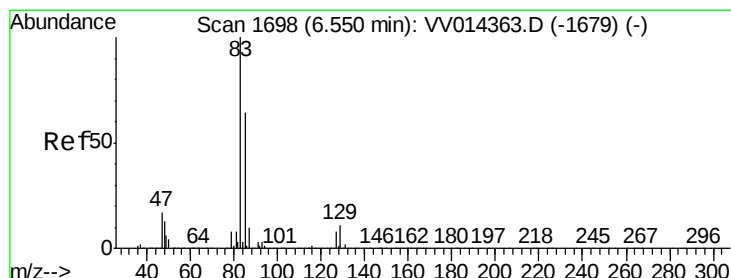
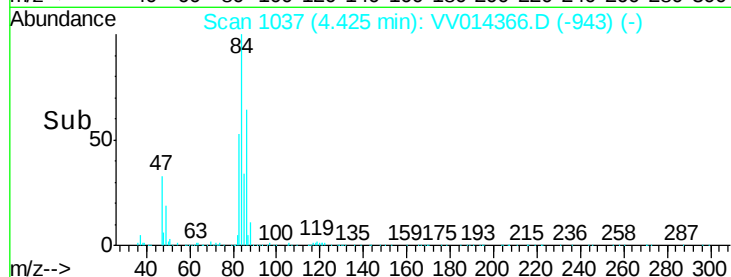
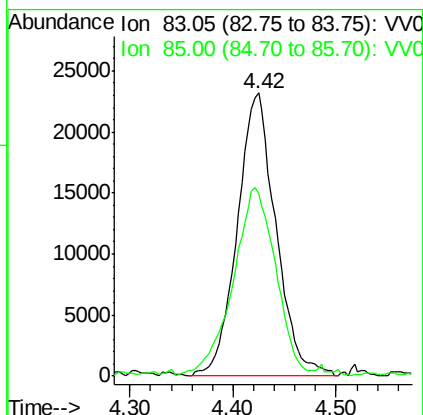
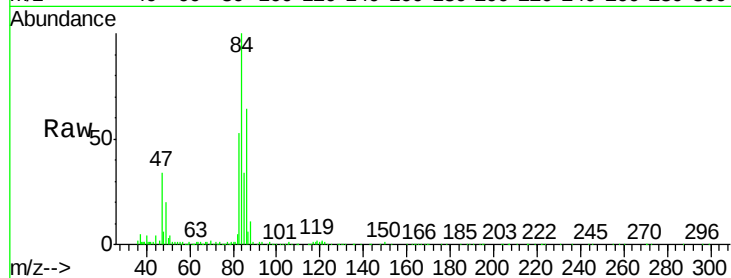
C0AC1

Tot Ion: 83 Resp: 60520

Ion Ratio Lower Upper

83 100

85 64.4 46.2 85.8



#38

Bromodichloromethane

Concen: 0.206 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV014366.D

Acq: 21 Jan 2020 11:34

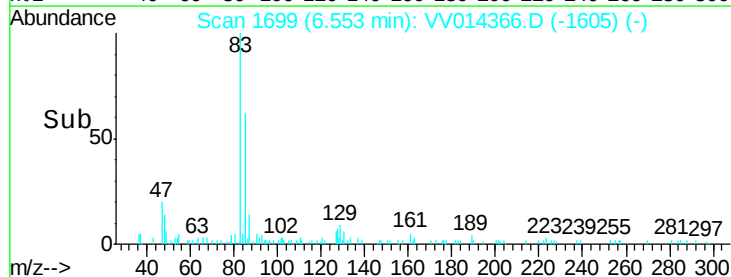
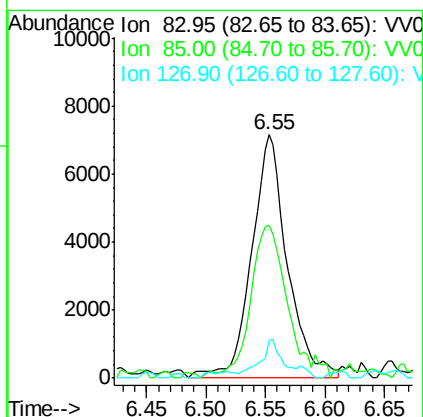
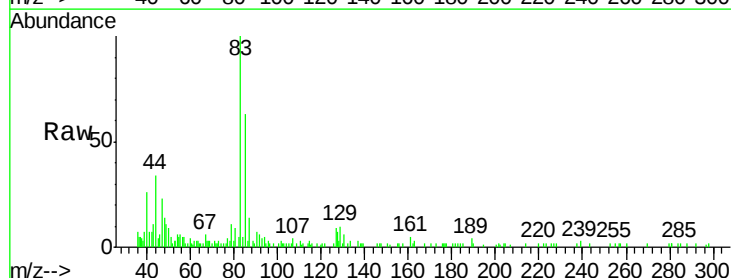
Tgt Ion: 83 Resp: 14868

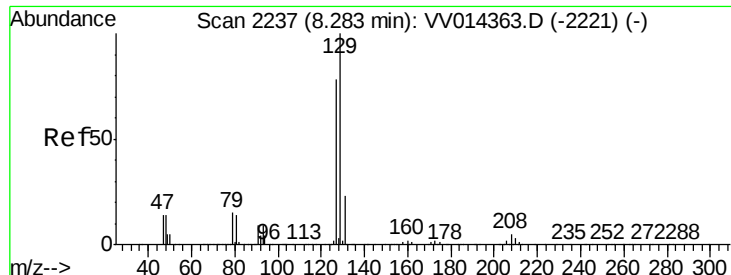
Ion Ratio Lower Upper

83 100

85 62.9 46.4 86.2

127 15.4 6.3 9.5#





#49

Dibromochloromethane

Concen: 0.237 ug/L

RT: 8.28 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VV014366.D

Acq: 21 Jan 2020 11:34

Instrument :

MSVOA\_V

ClientSampleId :

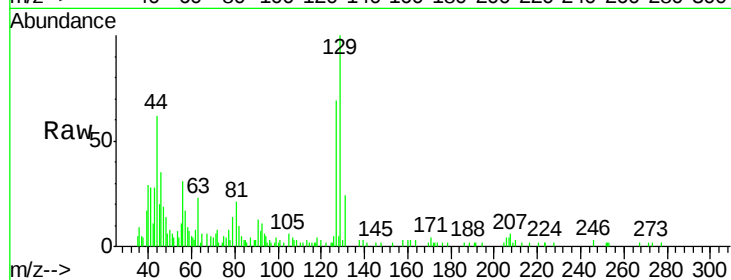
C0AC1

Tot Ion:129 Resp: 10688

Ion Ratio Lower Upper

129 100

127 69.1 55.7 103.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

