

Data File : VU035168.D  
Acq On : 14 Oct 2019 22:39  
Operator : JC/SP  
Sample : K5317-02  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CE5

Quant Time: Oct 15 08:03:57 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Oct 15 07:54:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 148854   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 159991   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 59662    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 43370    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.60%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 44416    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 108.20% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 65477    | 3.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.60%  |
| 20) 2-Butanone-d5              | 4.18   | 46    | 158466   | 61.15    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 122.30% |
| 24) Chloroform-d               | 4.62   | 84    | 79973    | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 53498    | 5.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.60% |
| 32) Benzene-d6                 | 5.32   | 84    | 169662   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 61999    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.80%  |
| 41) Toluene-d8                 | 7.55   | 98    | 144878   | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.80%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 19103    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.60%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 101251   | 47.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.34%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 54484    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 51690    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.80% |

#### Target Compounds

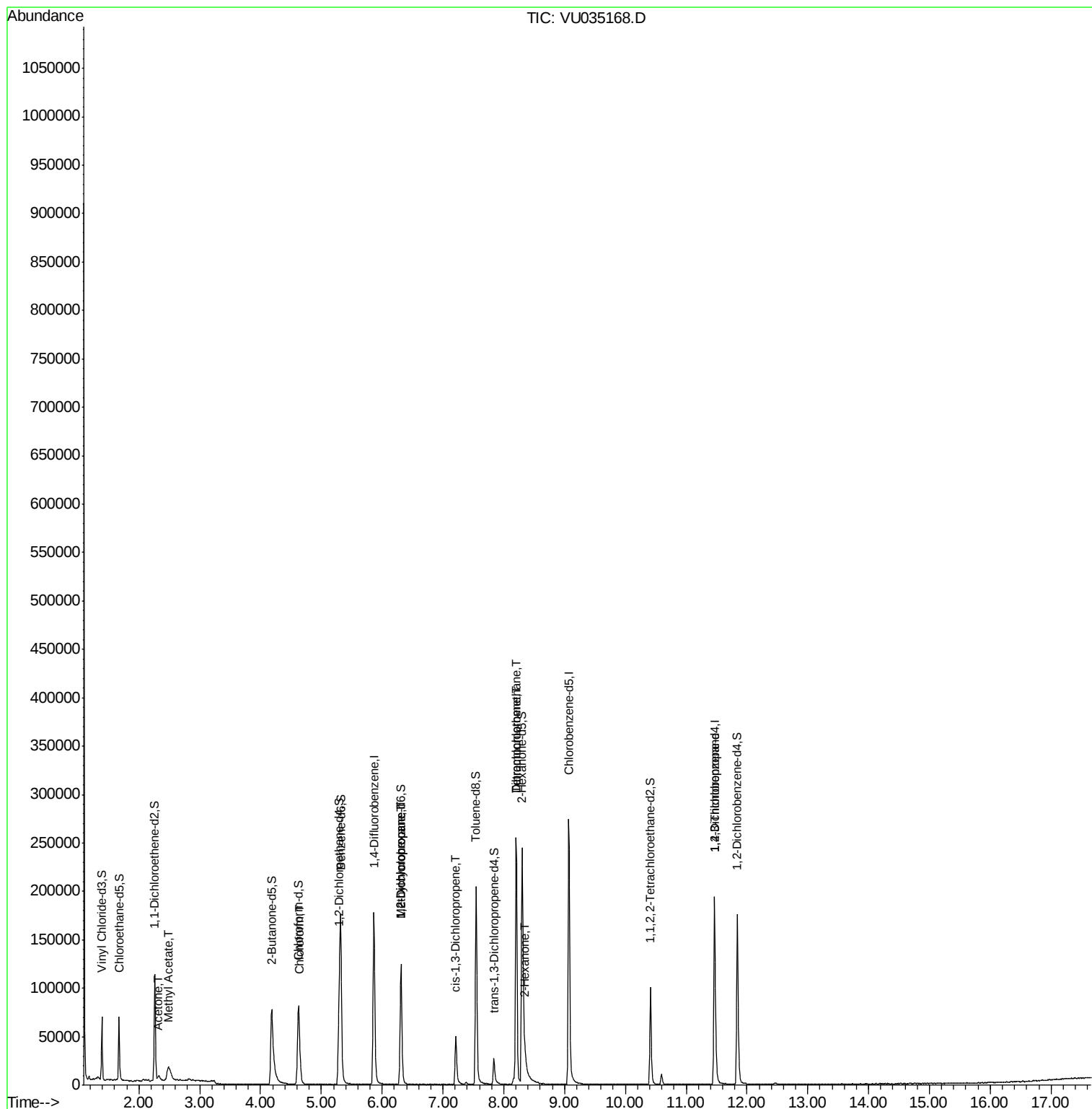
|                             |       |     |       |              | Qvalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                 | 2.32  | 43  | 8716  | 4.107 ug/L   | 87     |
| 15) Methyl Acetate          | 2.48  | 43  | 3469  | 0.614 ug/L # | 53     |
| 25) Chloroform              | 4.65  | 83  | 13847 | 0.606 ug/L   | 100    |
| 35) Methylcyclohexane       | 6.31  | 83  | 13708 | 0.681 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.31  | 63  | 6666  | 0.513 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.21  | 75  | 1486  | 0.084 ug/L # | 60     |
| 47) Tetrachloroethene       | 8.21  | 164 | 56146 | 5.581 ug/L   | 97     |
| 48) 2-Hexanone              | 8.35  | 43  | 5982  | 1.066 ug/L # | 71     |
| 49) Dibromochloromethane    | 8.21  | 129 | 54654 | 5.478 ug/L # | 12     |
| 59) 1,2,3-Trichloropropane  | 11.47 | 75  | 7810  | 0.928 ug/L   | 98     |

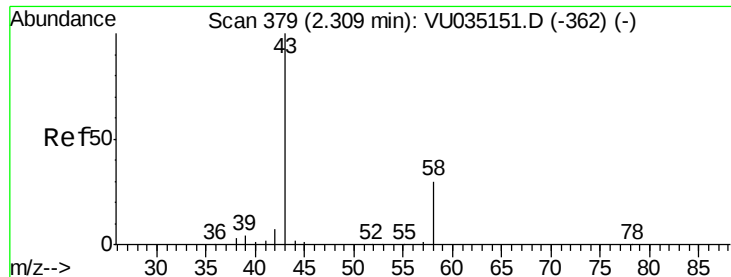
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.107 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VU035168.D

Acq: 14 Oct 2019 22:39

Instrument :

MSVOA\_U

ClientSampleId :

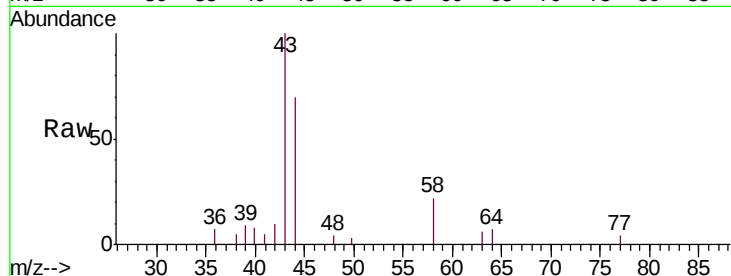
C0CE5

Tgt Ion: 43 Resp: 8716

Ion Ratio Lower Upper

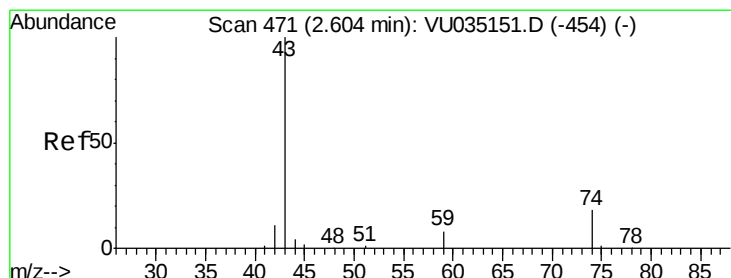
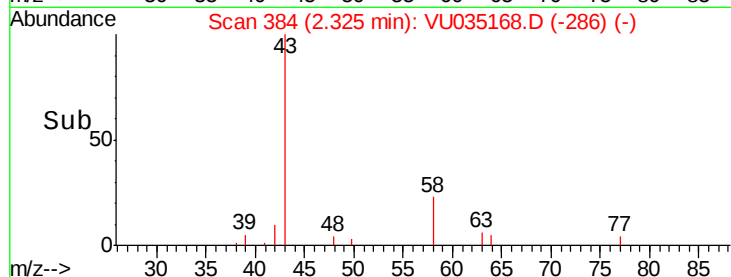
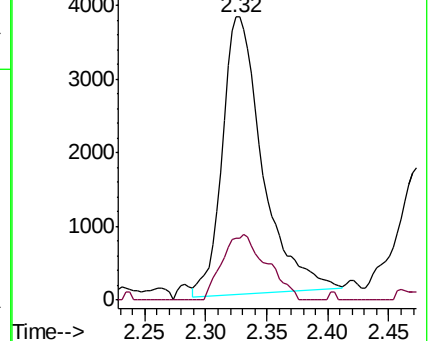
43 100

58 26.1 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035168.D (-286) (-)

Ion 58.05 (57.75 to 58.75): VU035168.D (-286) (-)



#15

Methyl Acetate

Concen: 0.614 ug/L

RT: 2.48 min Scan# 433

Delta R.T. -0.12 min

Lab File: VU035168.D

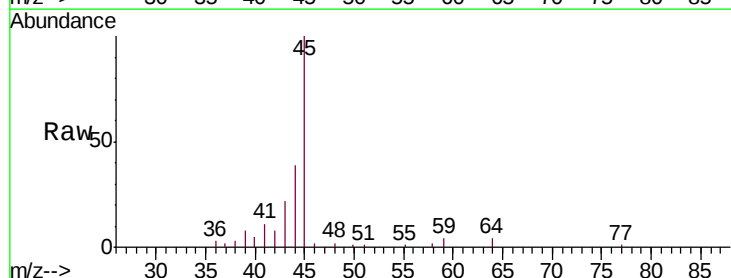
Acq: 14 Oct 2019 22:39

Tgt Ion: 43 Resp: 3469

Ion Ratio Lower Upper

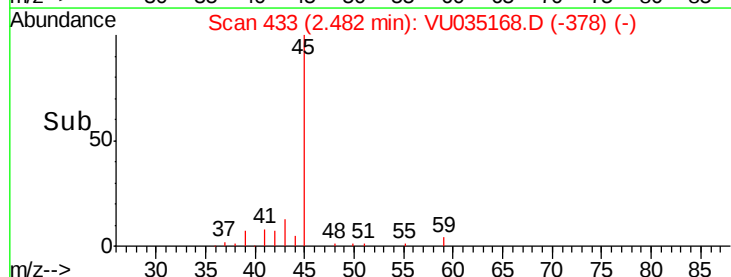
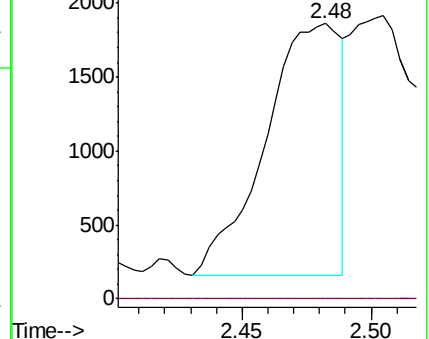
43 100

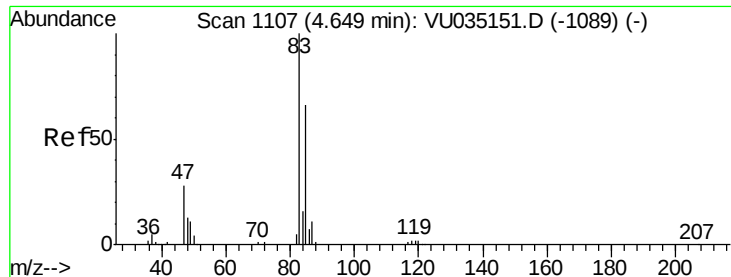
74 0.0 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU035168.D (-378) (-)

Ion 74.05 (73.75 to 74.75): VU035168.D (-378) (-)





#25

Chloroform

Concen: 0.606 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU035168.D

Acq: 14 Oct 2019 22:39

Instrument :

MSVOA\_U

ClientSampleId :

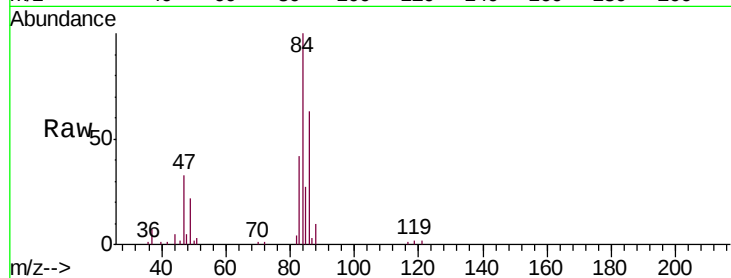
C0CE5

Tgt Ion: 83 Resp: 13847

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035151.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU035151.D (-1089) (-)

4.65

6000

5000

4000

3000

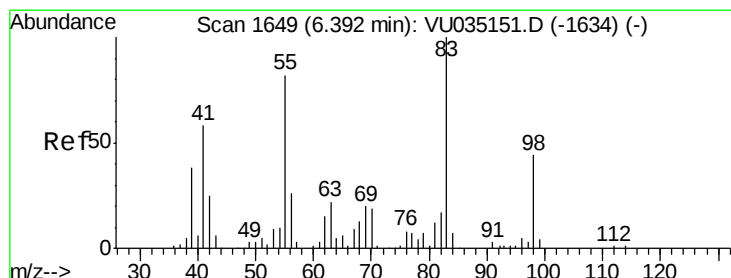
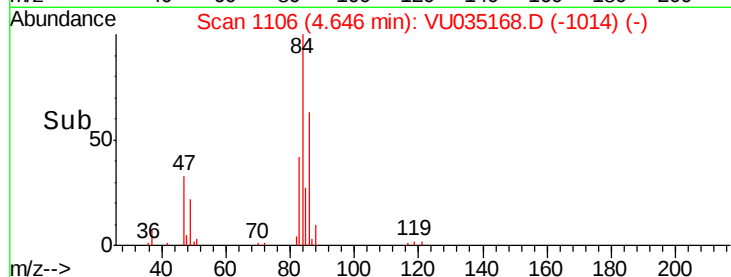
2000

1000

0

4.55 4.60 4.65 4.70 4.75

Time-->



#35

Methylcyclohexane

Concen: 0.681 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU035168.D

Acq: 14 Oct 2019 22:39

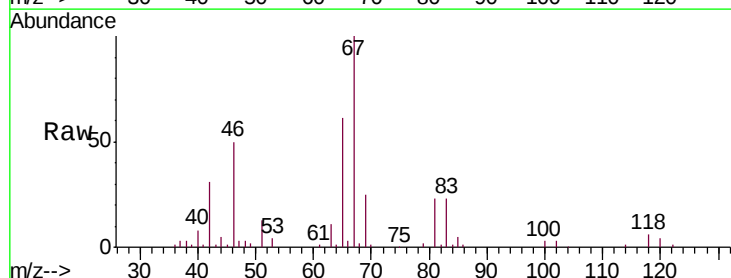
Tgt Ion: 83 Resp: 13708

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 0.7 36.2 54.2#



Abundance Ion 83.15 (82.85 to 83.85): VU035151.D (-1634) (-)

Ion 55.10 (54.80 to 55.80): VU035151.D (-1634) (-)

Ion 98.15 (97.85 to 98.85): VU035151.D (-1634) (-)

6.31

8000

6000

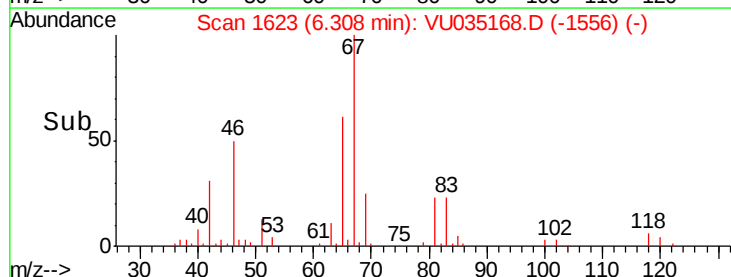
4000

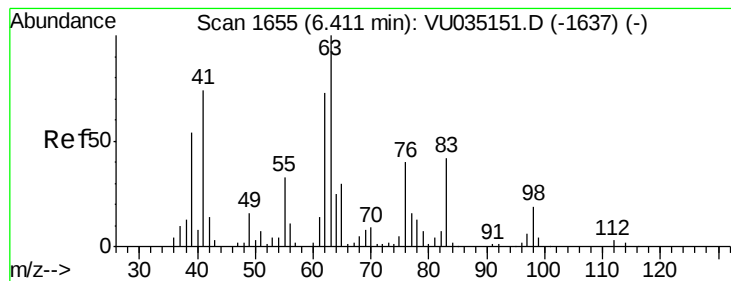
2000

0

6.25 6.30 6.35 6.40

Time-->





#37

1,2-Dichloropropane

Concen: 0.513 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU035168.D

Acq: 14 Oct 2019 22:39

Instrument :

MSVOA\_U

ClientSampleId :

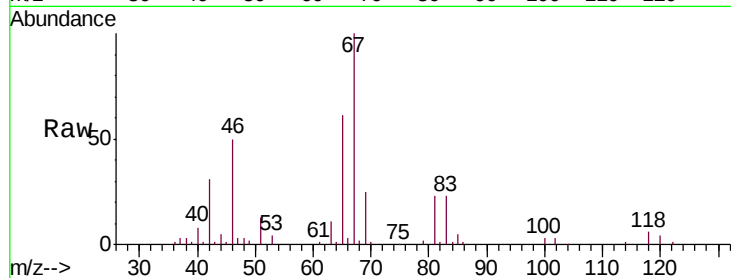
C0CE5

Tgt Ion: 63 Resp: 6666

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035151.D (-1637) (-)

Ion 112.10 (111.80 to 112.80): VU035151.D (-1637) (-)

6.31

3000

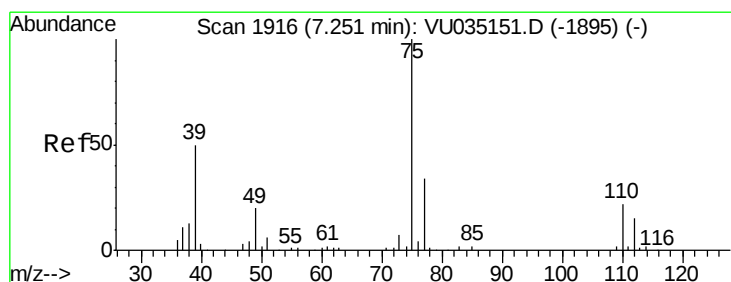
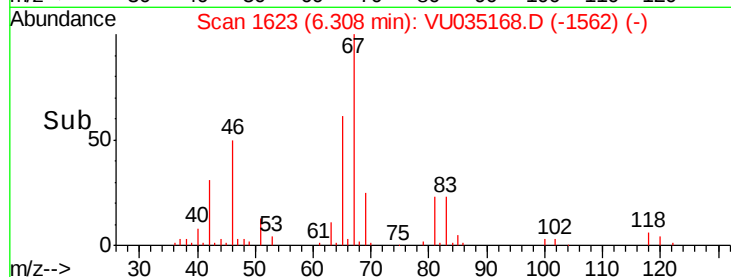
2000

1000

0

6.25 6.30 6.35

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.21 min Scan# 1904

Delta R.T. -0.04 min

Lab File: VU035168.D

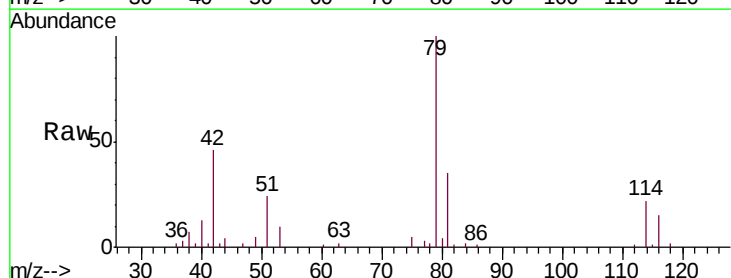
Acq: 14 Oct 2019 22:39

Tgt Ion: 75 Resp: 1486

Ion Ratio Lower Upper

75 100

77 53.9 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035151.D (-1895) (-)

Ion 77.05 (76.75 to 77.75): VU035151.D (-1895) (-)

7.21

800

600

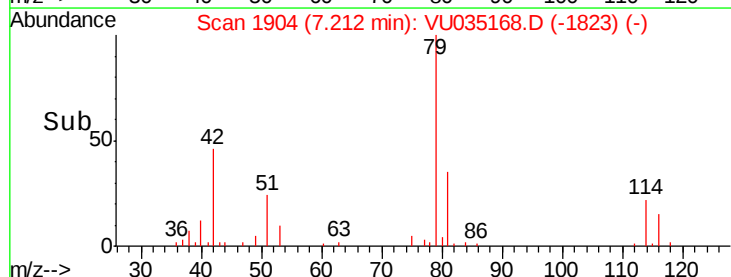
400

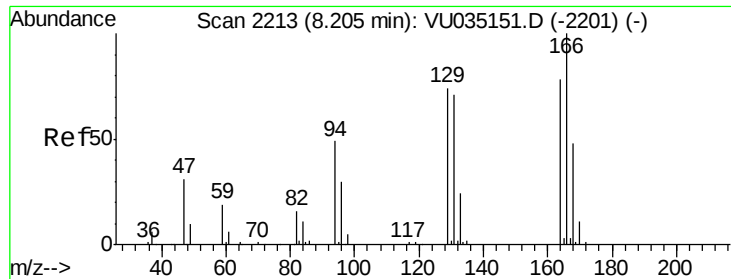
200

0

7.15 7.20 7.25

Time-->

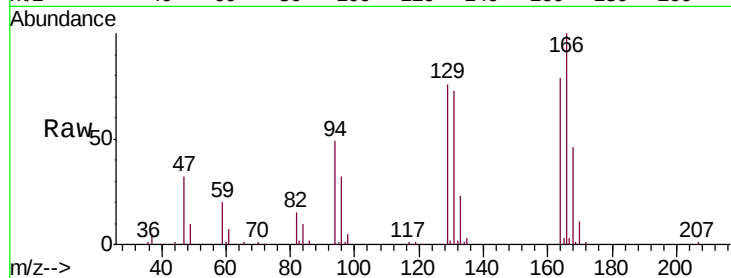




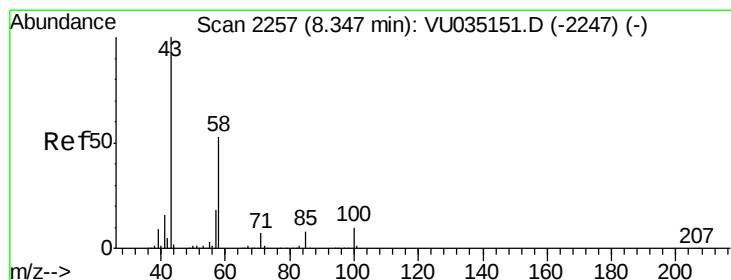
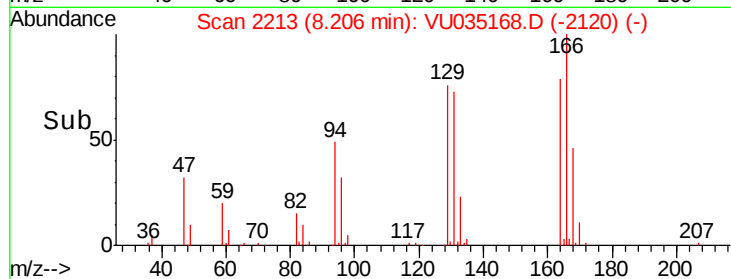
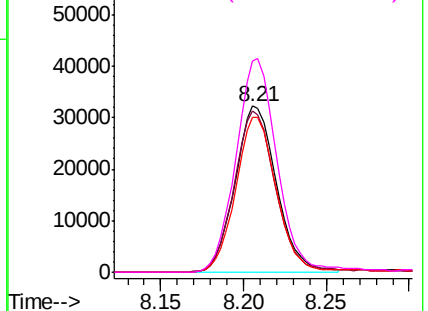
#47  
Tetrachloroethene  
Concen: 5.581 ug/L  
RT: 8.21 min Scan# 2213  
Delta R.T. 0.00 min  
Lab File: VU035168.D  
Acq: 14 Oct 2019 22:39

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CE5

Tgt Ion:164 Resp: 56146  
Ion Ratio Lower Upper  
164 100  
129 96.9 68.5 127.1  
131 93.4 67.3 124.9  
166 127.1 93.1 172.9

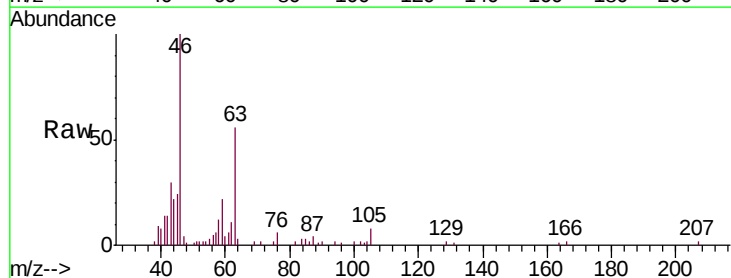


Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V

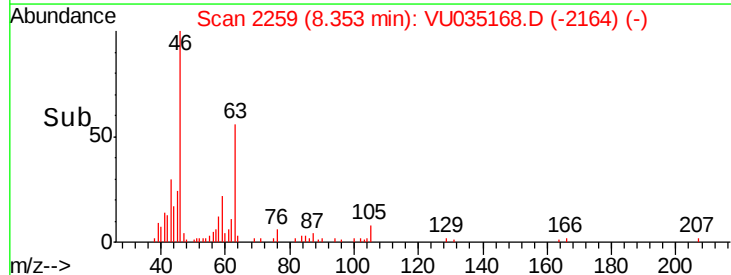
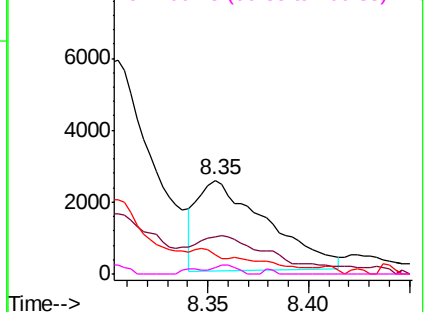


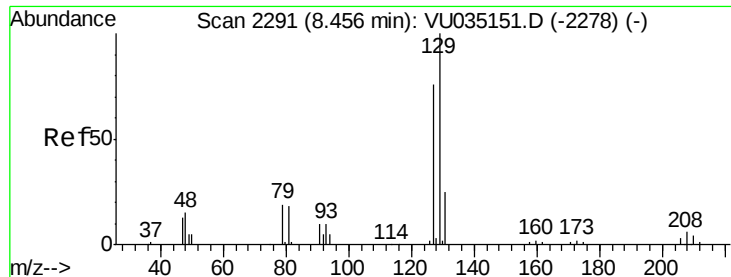
#48  
2-Hexanone  
Concen: 1.066 ug/L  
RT: 8.35 min Scan# 2259  
Delta R.T. 0.01 min  
Lab File: VU035168.D  
Acq: 14 Oct 2019 22:39

Tgt Ion: 43 Resp: 5982  
Ion Ratio Lower Upper  
43 100  
58 37.2 44.1 66.1#  
57 0.0 15.8 23.8#  
100 3.1 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0  
Ion 58.05 (57.75 to 58.75): VU0  
Ion 57.20 (56.90 to 57.90): VU0  
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 5.478 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU035168.D

Acq: 14 Oct 2019 22:39

Instrument :

MSVOA\_U

ClientSampleId :

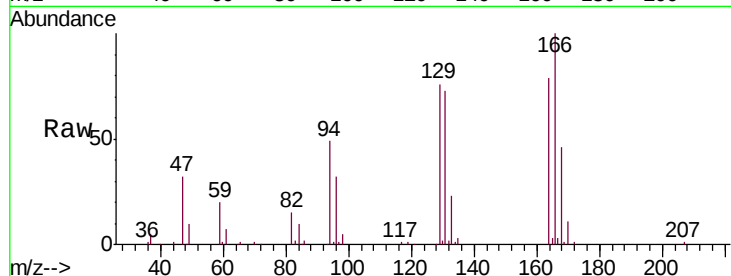
C0CE5

Tgt Ion:129 Resp: 54654

Ion Ratio Lower Upper

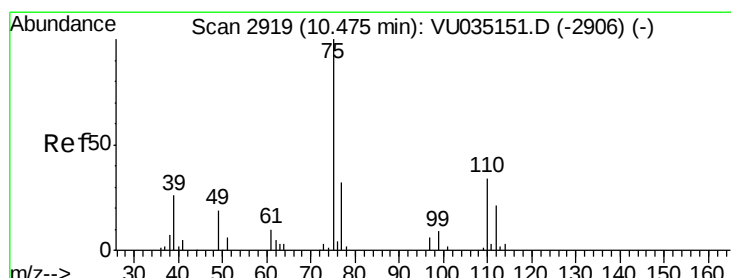
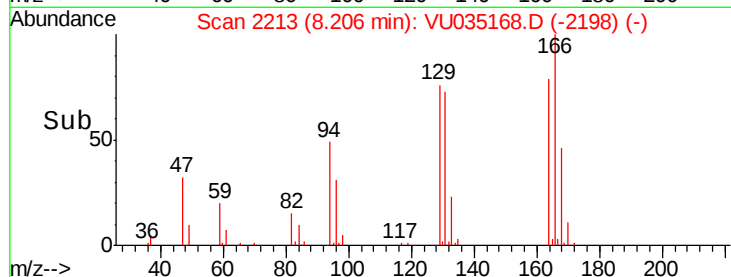
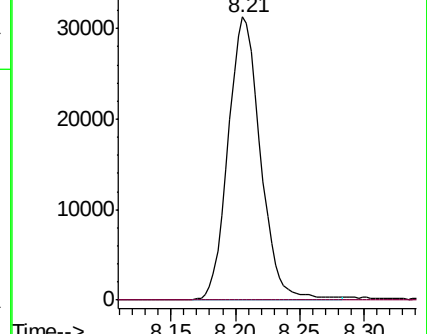
129 100

127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.928 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU035168.D

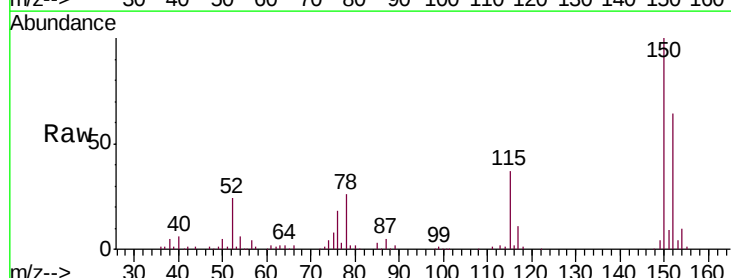
Acq: 14 Oct 2019 22:39

Tgt Ion: 75 Resp: 7810

Ion Ratio Lower Upper

75 100

77 34.0 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

