

Data File : VU032718.D  
Acq On : 14 Jun 2019 01:04  
Operator : JC/SP  
Sample : K3364-18  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
COM39

Quant Time: Jun 14 07:43:59 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jun 14 07:38:22 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 94043    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 88849    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 46626    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 27588    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.20%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 25846    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 42244    | 3.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.20%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 95149    | 55.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 111.52% |
| 24) Chloroform-d               | 4.64   | 84    | 58291    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.40% |
| 26) 1,2-Dichloroethane-d4      | 5.30   | 65    | 33198    | 5.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 116.00% |
| 32) Benzene-d6                 | 5.33   | 84    | 109892   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 36097    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.00% |
| 41) Toluene-d8                 | 7.56   | 98    | 97836    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.80%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 14185    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 74383    | 51.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.04% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42  | 84    | 32094    | 5.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 42381    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.00% |

#### Target Compounds

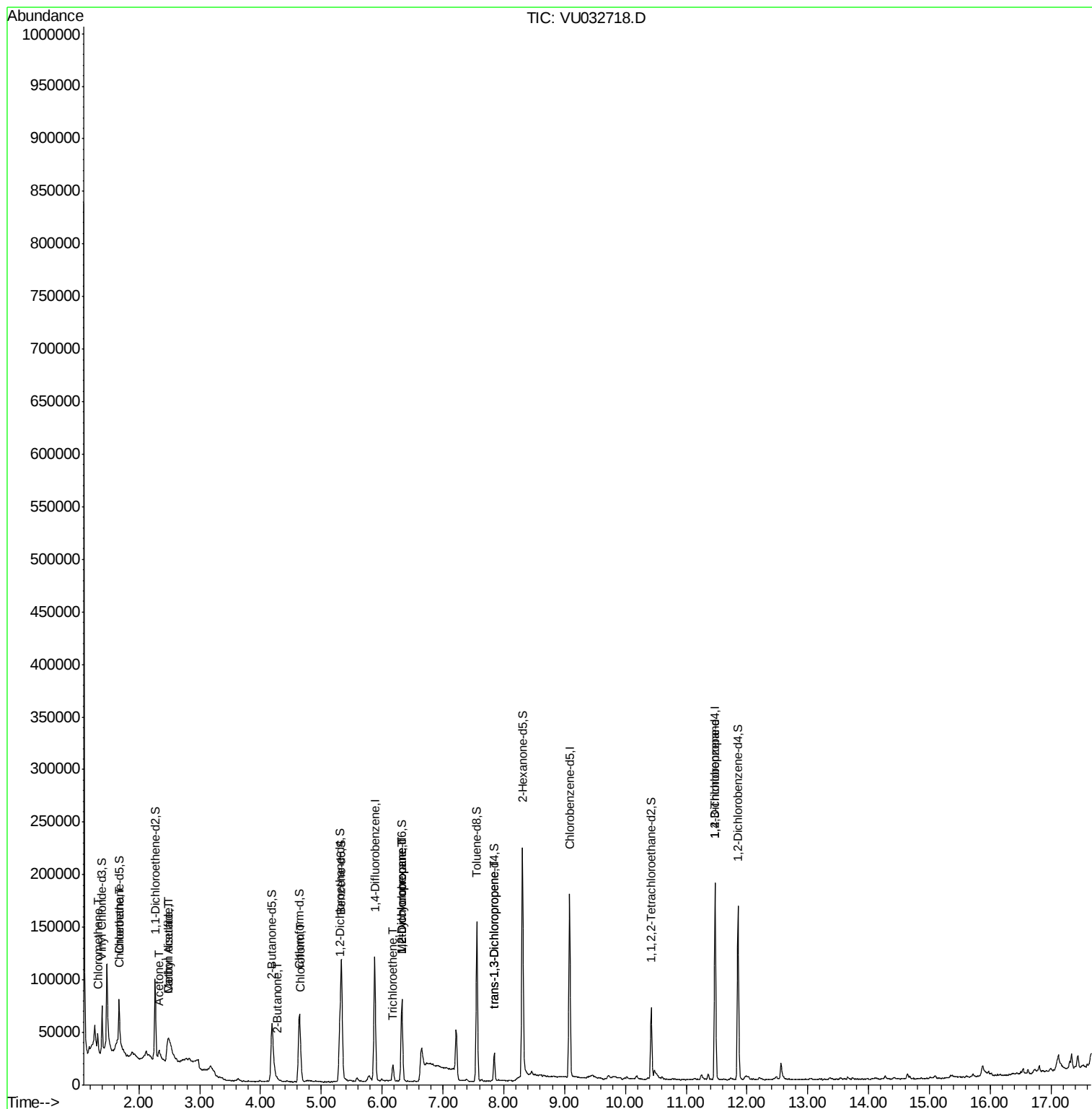
|                               |       |    |       |       | Qvalue    |
|-------------------------------|-------|----|-------|-------|-----------|
| 3) Chloromethane              | 1.32  | 50 | 12508 | 1.495 | ug/L 100  |
| 8) Chloroethane               | 1.69  | 64 | 1433  | 0.273 | ug/L # 66 |
| 13) Acetone                   | 2.33  | 43 | 8002  | 6.042 | ug/L 97   |
| 14) Carbon disulfide          | 2.47  | 76 | 2041  | 0.107 | ug/L # 78 |
| 15) Methyl Acetate            | 2.49  | 43 | 14593 | 4.016 | ug/L # 53 |
| 21) 2-Butanone                | 4.29  | 43 | 2158  | 1.120 | ug/L # 58 |
| 25) Chloroform                | 4.67  | 83 | 8120  | 0.689 | ug/L 97   |
| 34) Trichloroethene           | 6.18  | 95 | 4726  | 0.627 | ug/L 98   |
| 35) Methylcyclohexane         | 6.32  | 83 | 8385  | 0.692 | ug/L # 19 |
| 37) 1,2-Dichloropropane       | 6.32  | 63 | 4350  | 0.642 | ug/L # 89 |
| 44) trans-1,3-Dichloropropene | 7.84  | 75 | 773   | 0.093 | ug/L # 65 |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 5827  | 1.309 | ug/L # 78 |

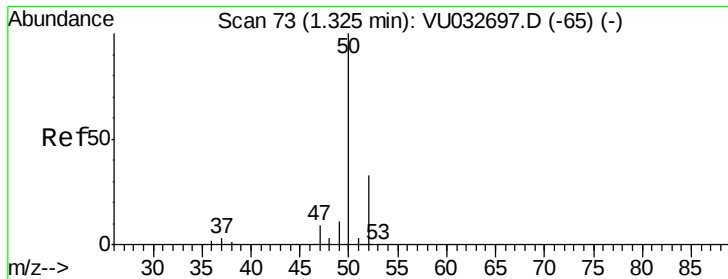
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.495 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032718.D

Acq: 14 Jun 2019 01:04

Instrument :

MSVOA\_U

ClientSampleId :

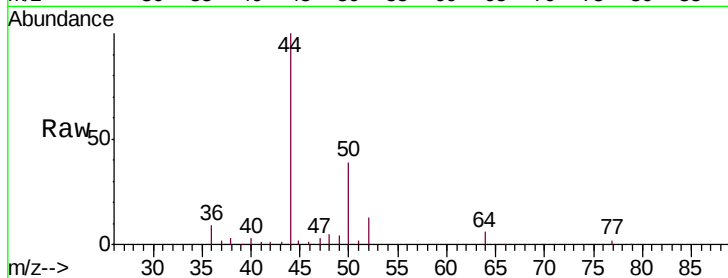
COM39

Tgt Ion: 50 Resp: 12508

Ion Ratio Lower Upper

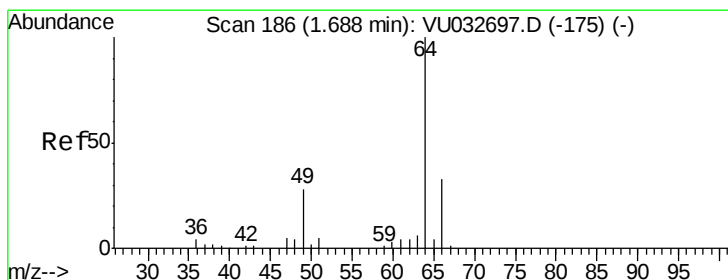
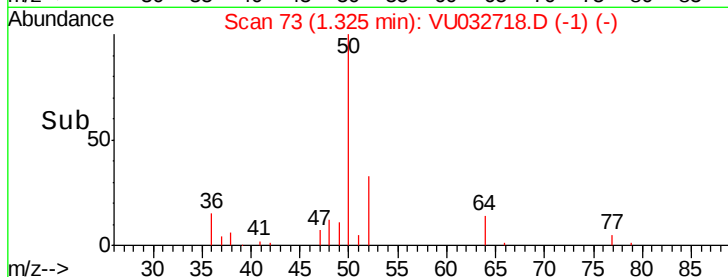
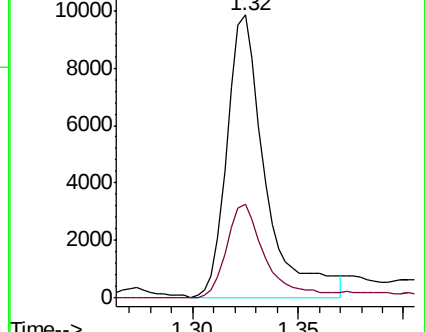
50 100

52 33.0 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032697.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032697.D (-65) (-)



#8

Chloroethane

Concen: 0.273 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032718.D

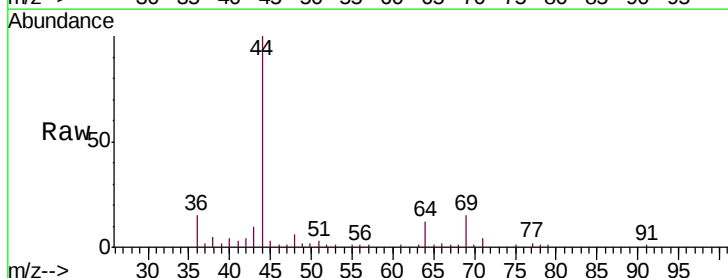
Acq: 14 Jun 2019 01:04

Tgt Ion: 64 Resp: 1433

Ion Ratio Lower Upper

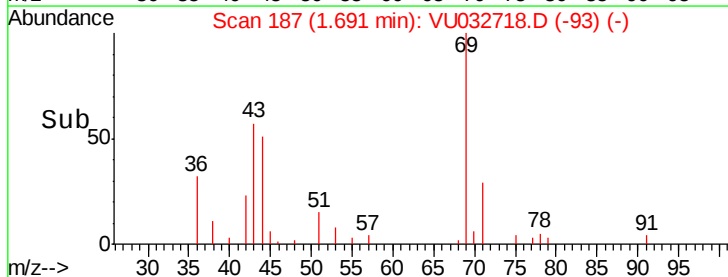
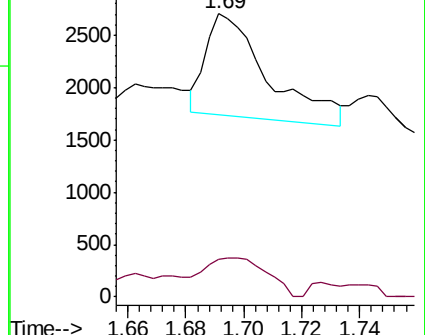
64 100

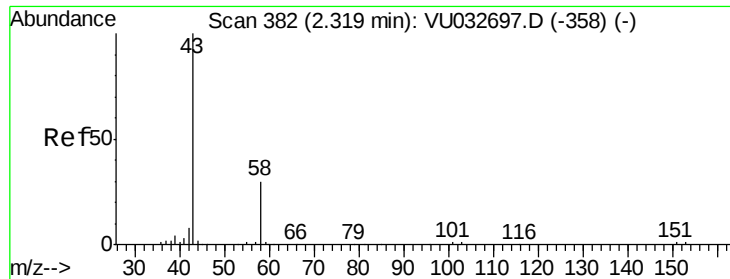
66 13.5 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VU032697.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU032697.D (-175) (-)





#13

Acetone

Concen: 6.042 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU032718.D

Acq: 14 Jun 2019 01:04

Instrument :

MSVOA\_U

ClientSampled :

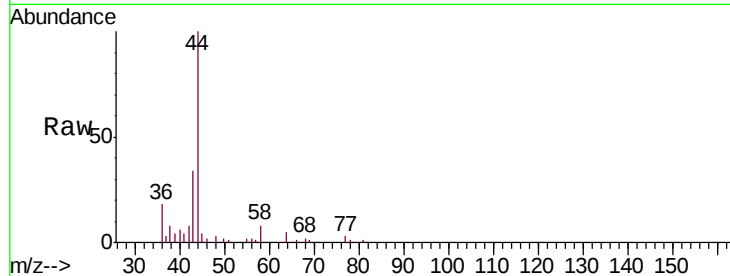
COM39

Tgt Ion: 43 Resp: 8002

Ion Ratio Lower Upper

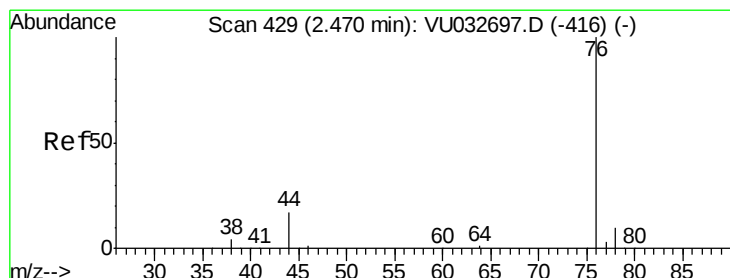
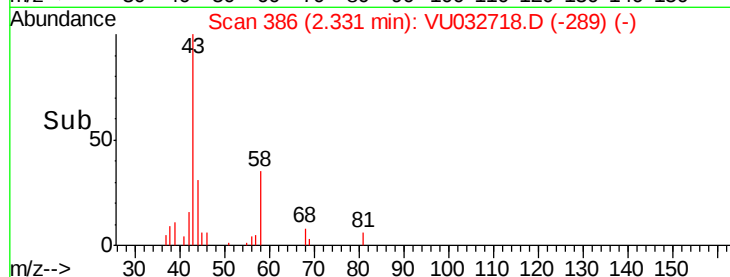
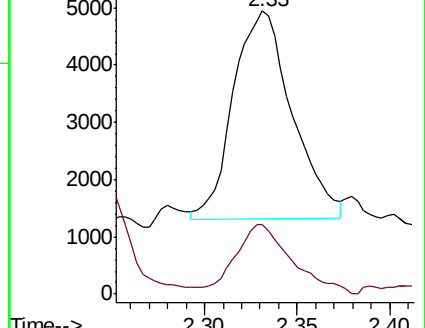
43 100

58 32.2 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032697.D (-358) (-)

Ion 58.05 (57.75 to 58.75): VU032697.D (-358) (-)



#14

Carbon disulfide

Concen: 0.107 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032718.D

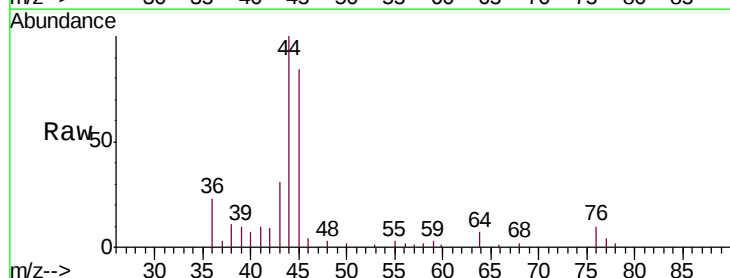
Acq: 14 Jun 2019 01:04

Tgt Ion: 76 Resp: 2041

Ion Ratio Lower Upper

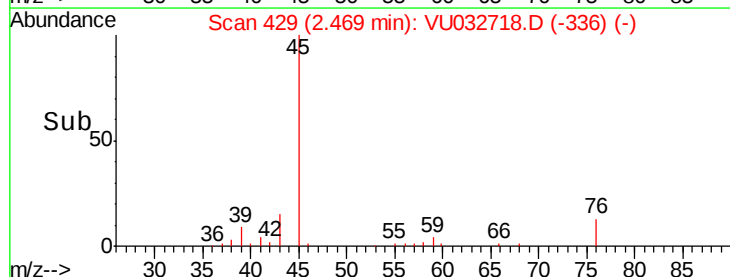
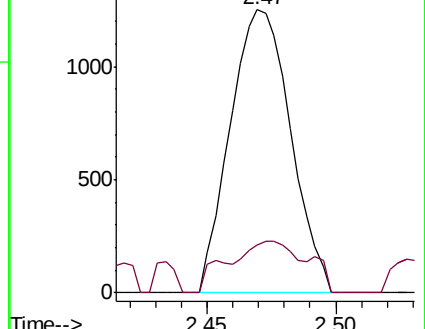
76 100

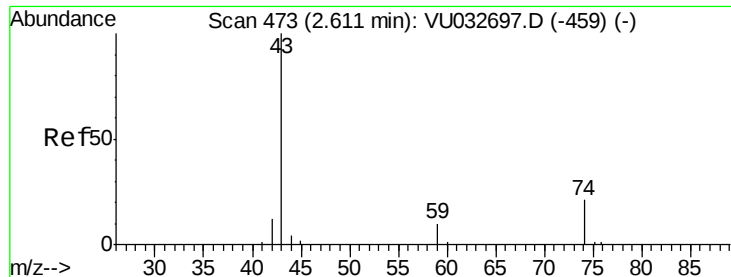
78 17.1 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU032697.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032697.D (-416) (-)

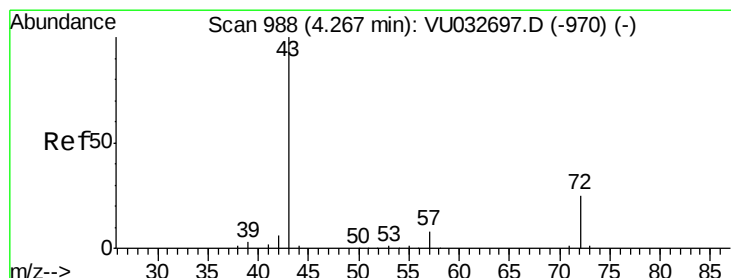
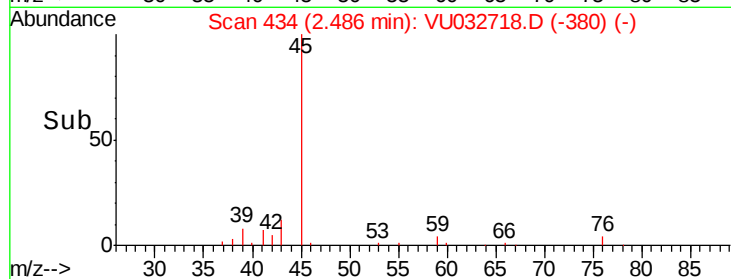
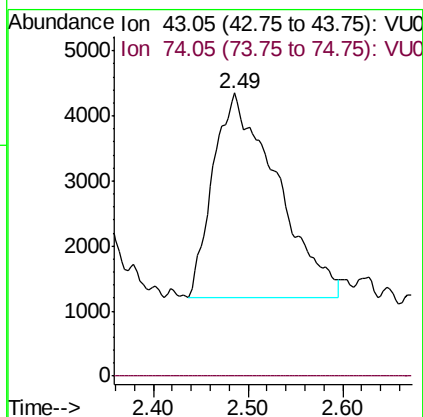
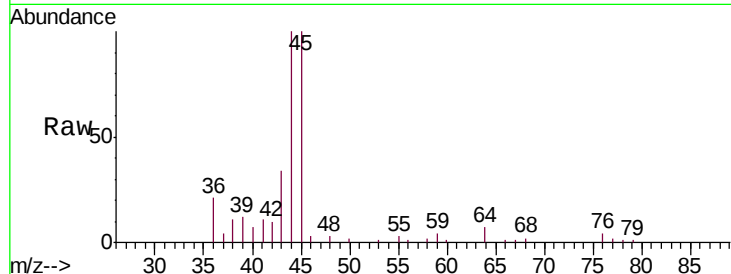




#15  
Methyl Acetate  
Concen: 4.016 ug/L  
RT: 2.49 min Scan# 434  
Delta R.T. -0.13 min  
Lab File: VU032718.D  
Acq: 14 Jun 2019 01:04

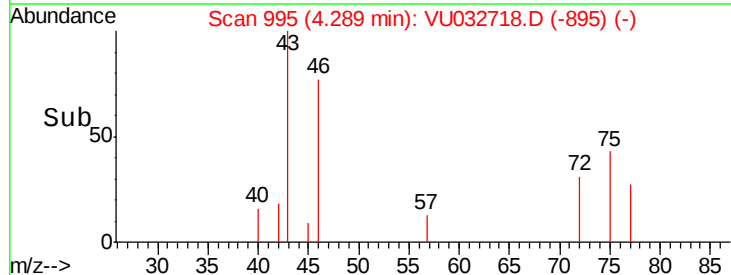
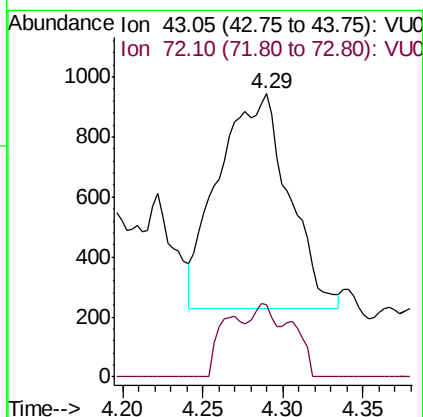
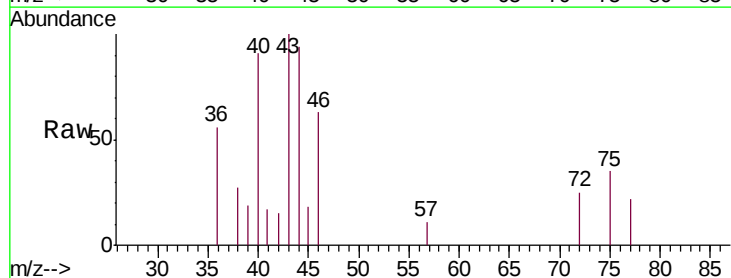
Instrument :  
MSVOA\_U  
ClientSampleId :  
COM39

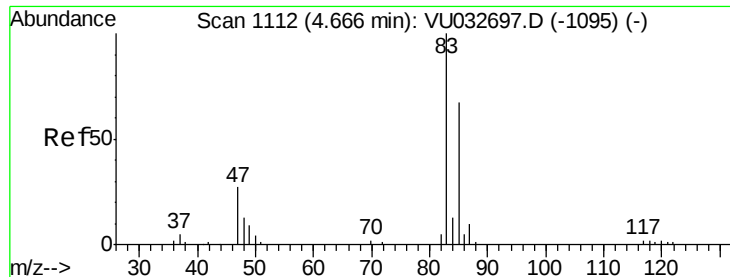
Tgt Ion: 43 Resp: 14593  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.8 26.8#



#21  
2-Butanone  
Concen: 1.120 ug/L  
RT: 4.29 min Scan# 995  
Delta R.T. 0.02 min  
Lab File: VU032718.D  
Acq: 14 Jun 2019 01:04

Tgt Ion: 43 Resp: 2158  
Ion Ratio Lower Upper  
43 100  
72 4.7 13.1 39.3#

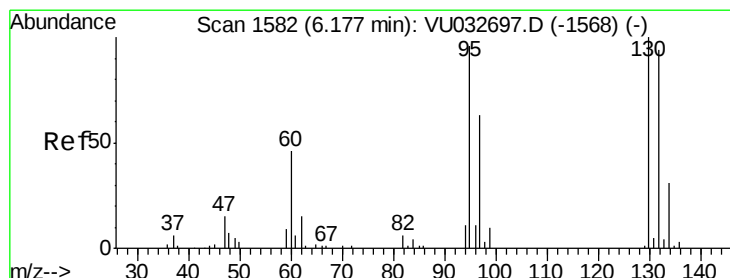
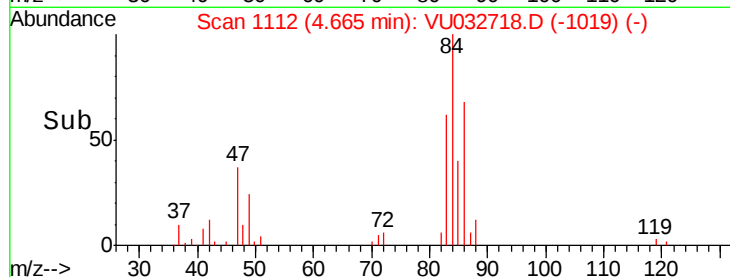
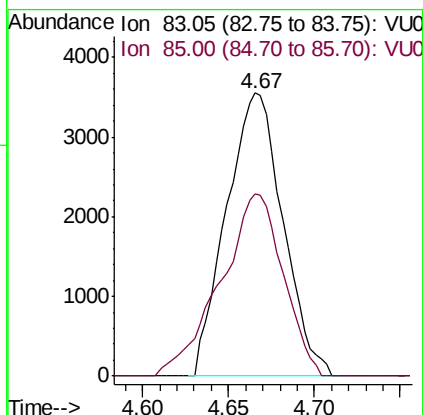
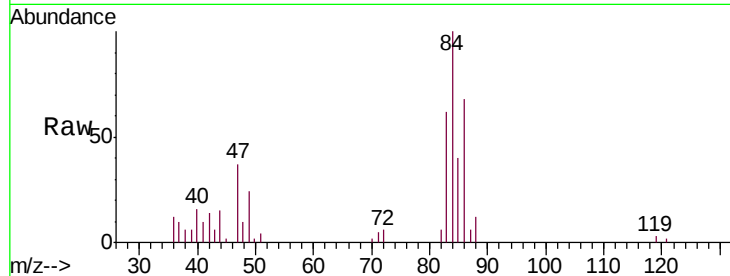




#25  
Chloroform  
Concen: 0.689 ug/L  
RT: 4.67 min Scan# 1112  
Delta R.T. -0.00 min  
Lab File: VU032718.D  
Acq: 14 Jun 2019 01:04

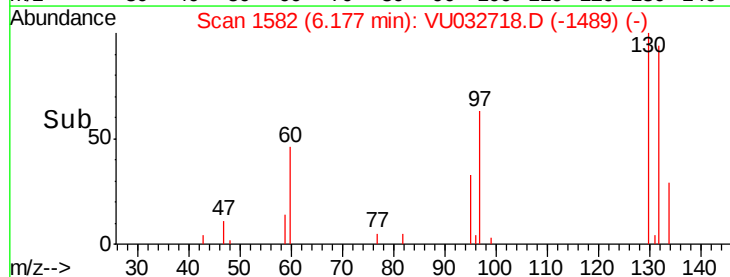
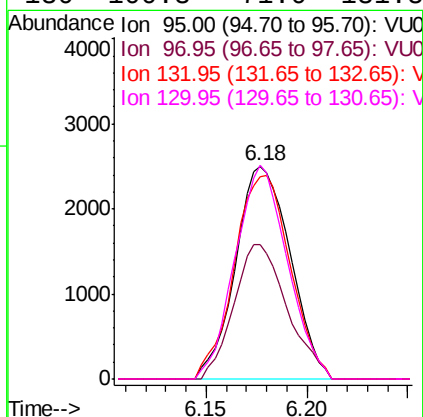
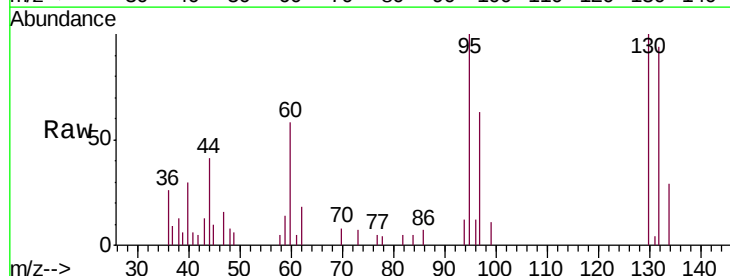
Instrument :  
MSVOA\_U  
ClientSampleId :  
COM39

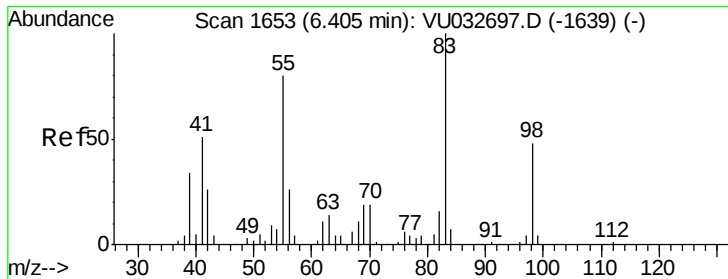
Tgt Ion: 83 Resp: 8120  
Ion Ratio Lower Upper  
83 100  
85 64.5 43.8 81.3



#34  
Trichloroethene  
Concen: 0.627 ug/L  
RT: 6.18 min Scan# 1582  
Delta R.T. -0.00 min  
Lab File: VU032718.D  
Acq: 14 Jun 2019 01:04

Tgt Ion: 95 Resp: 4726  
Ion Ratio Lower Upper  
95 100  
97 63.4 44.1 81.9  
132 94.7 68.8 127.8  
130 100.3 71.0 131.8

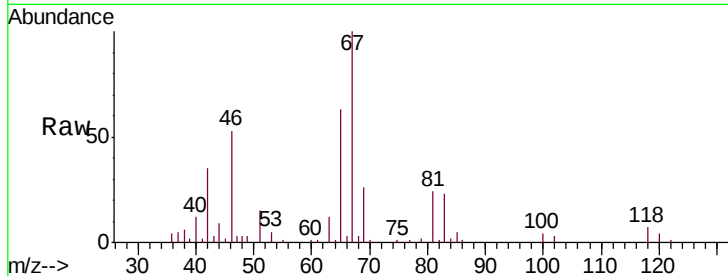




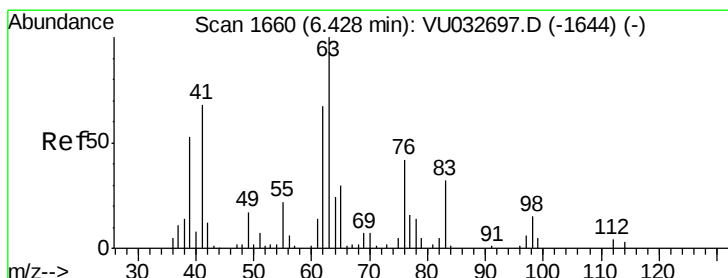
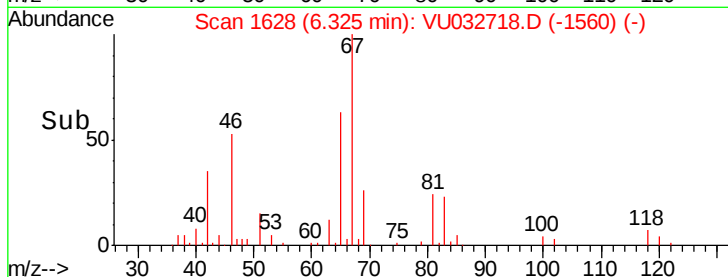
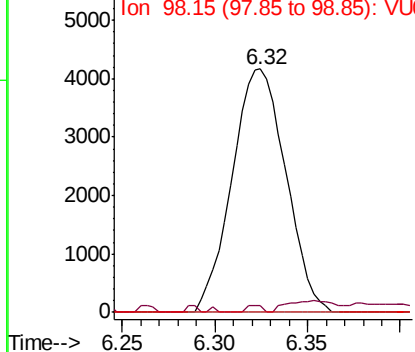
#35  
Methylcyclohexane  
Concen: 0.692 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.08 min  
Lab File: VU032718.D  
Acq: 14 Jun 2019 01:04

Instrument :  
MSVOA\_U  
ClientSampleId :  
COM39

Tgt Ion: 83 Resp: 8385  
Ion Ratio Lower Upper  
83 100  
55 0.8 60.0 90.0#  
98 0.0 37.8 56.8#

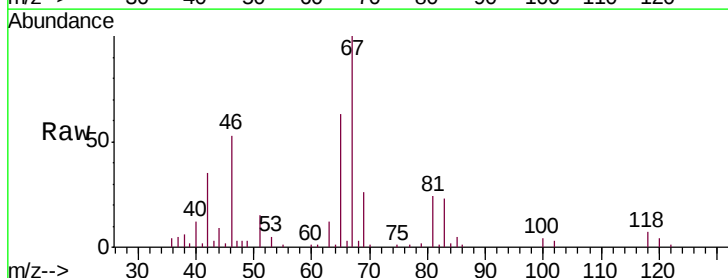


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

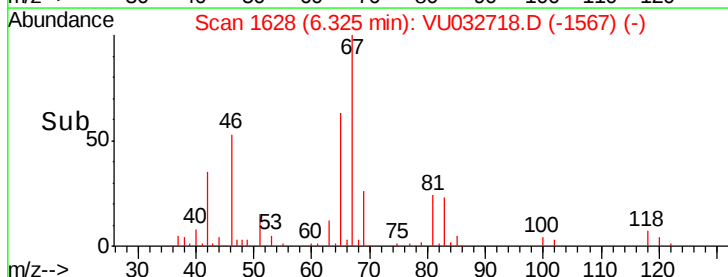
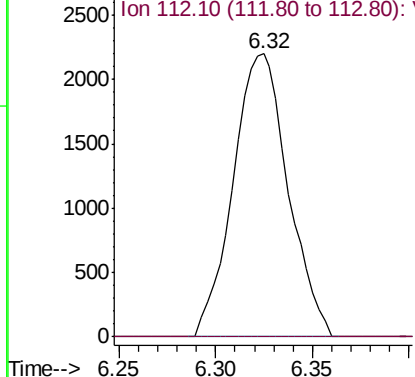


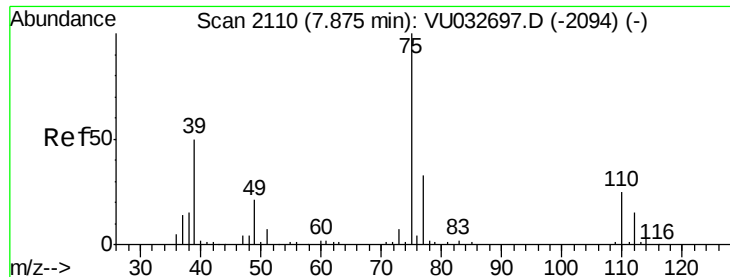
#37  
1,2-Dichloropropane  
Concen: 0.642 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.10 min  
Lab File: VU032718.D  
Acq: 14 Jun 2019 01:04

Tgt Ion: 63 Resp: 4350  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.84 min Scan# 2098

Delta R.T. -0.04 min

Lab File: VU032718.D

Acq: 14 Jun 2019 01:04

Instrument :

MSVOA\_U

ClientSampleId :

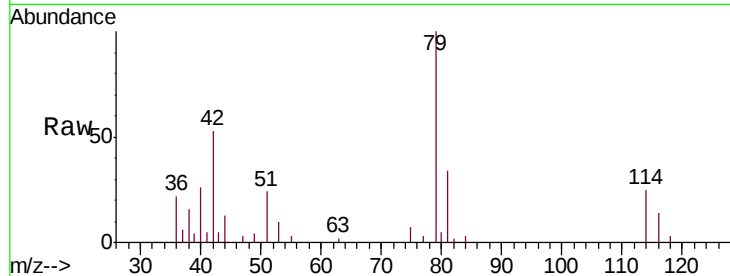
COM39

Tgt Ion: 75 Resp: 773

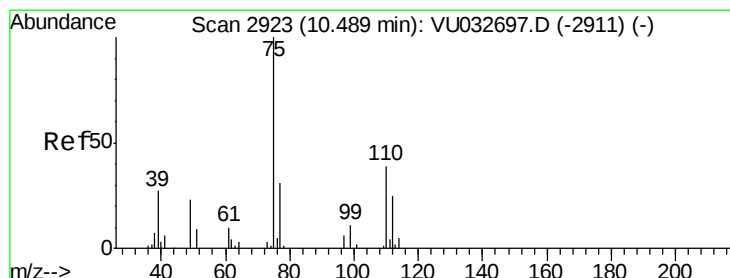
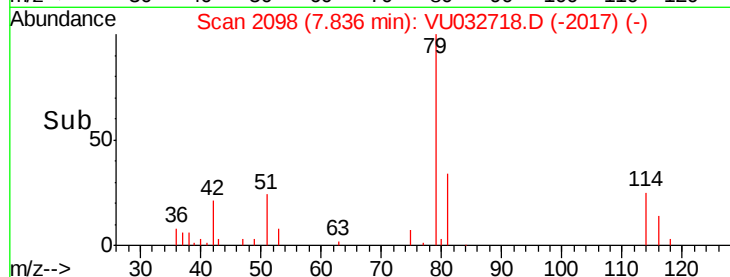
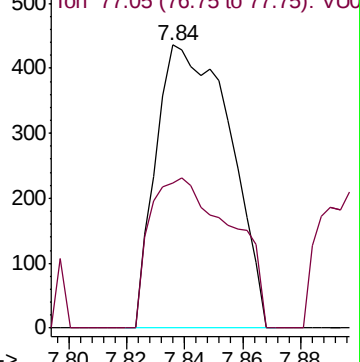
Ion Ratio Lower Upper

75 100

77 51.4 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU032697.D (-2094) (-)



#59

1,2,3-Trichloropropane

Concen: 1.309 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032718.D

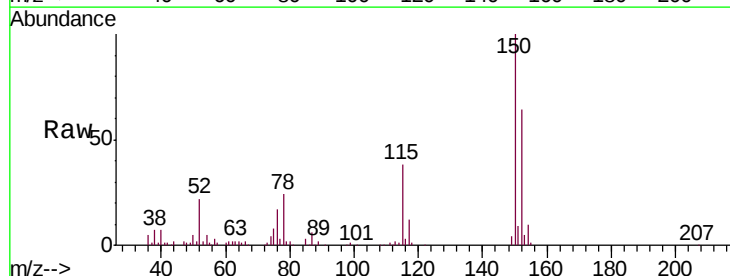
Acq: 14 Jun 2019 01:04

Tgt Ion: 75 Resp: 5827

Ion Ratio Lower Upper

75 100

77 43.6 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU032697.D (-2911) (-)

