

Data File : VU032687.D  
Acq On : 13 Jun 2019 12:27  
Operator : JC/SP  
Sample : K3286-12  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JP7

Quant Time: Jun 14 01:29:41 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 14 01:25:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 179145   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 169250   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 82202    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 41619    | 35.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 71.62%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 37650    | 40.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 80.62%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 66904    | 29.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.80%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 103837   | 106.76   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.76% |
| 24) Chloroform-d               | 4.64    | 84    | 96377    | 44.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 65736    | 48.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.28%  |
| 32) Benzene-d6                 | 5.34    | 84    | 183989   | 41.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.74%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 62386    | 45.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.56%  |
| 41) Toluene-d8                 | 7.56    | 98    | 167825   | 40.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.56%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 27772    | 42.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.24%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 75339    | 112.73   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 112.73% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 98222    | 49.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 73363    | 46.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.20%  |

#### Target Compounds

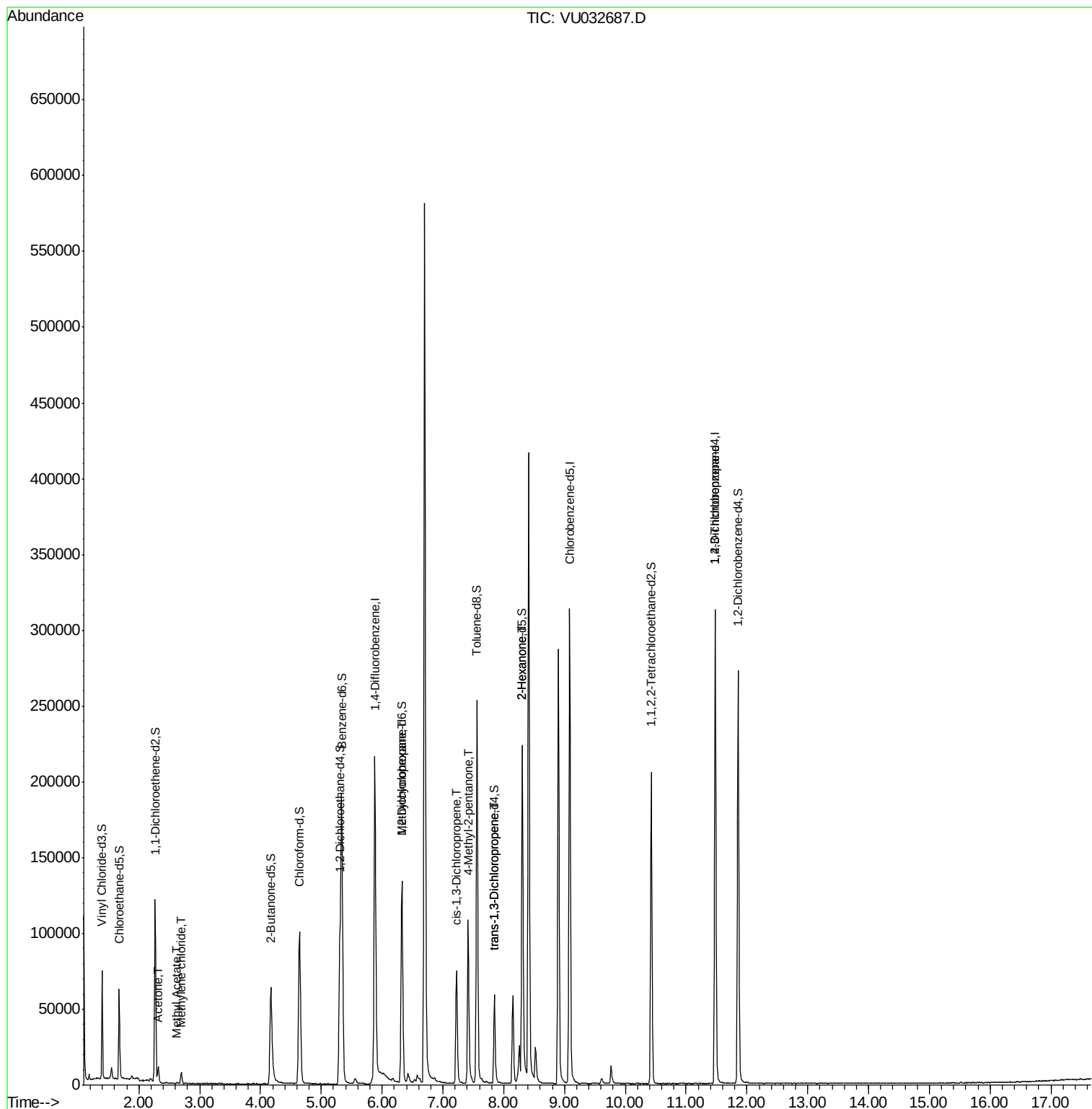
|                               |       |    |       |        | Qvalue    |
|-------------------------------|-------|----|-------|--------|-----------|
| 13) Acetone                   | 2.32  | 43 | 10383 | 10.346 | ug/L 95   |
| 15) Methyl Acetate            | 2.62  | 43 | 1234  | 0.861  | ug/L # 53 |
| 16) Methylene chloride        | 2.70  | 84 | 3181  | 2.623  | ug/L 96   |
| 35) Methylcyclohexane         | 6.32  | 83 | 14289 | 6.822  | ug/L # 20 |
| 39) cis-1,3-Dichloropropene   | 7.22  | 75 | 1828  | 0.919  | ug/L # 58 |
| 40) 4-Methyl-2-pentanone      | 7.41  | 43 | 40387 | 19.915 | ug/L # 52 |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 1270  | 0.719  | ug/L # 83 |
| 48) 2-Hexanone                | 8.31  | 43 | 12710 | 7.630  | ug/L # 56 |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 9824  | 5.995  | ug/L # 88 |

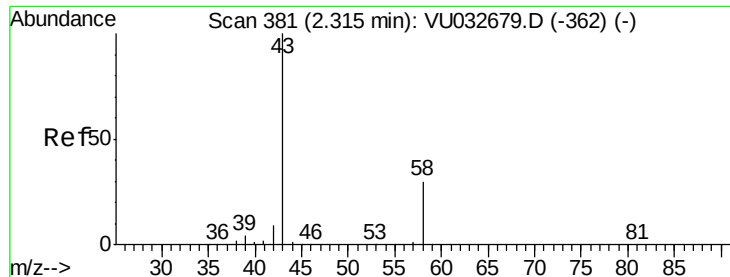
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 10.346 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032687.D

Acq: 13 Jun 2019 12:27

Instrument :

MSVOA\_U

ClientSampleId :

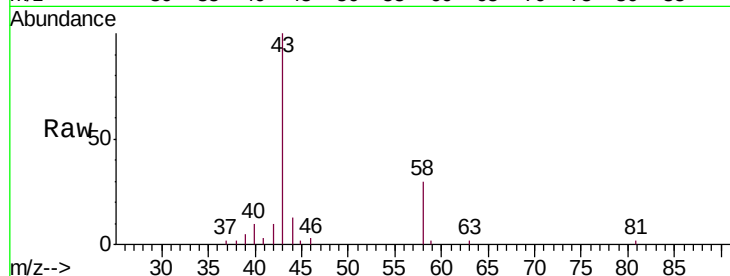
C0JP7

Tgt Ion: 43 Resp: 10383

Ion Ratio Lower Upper

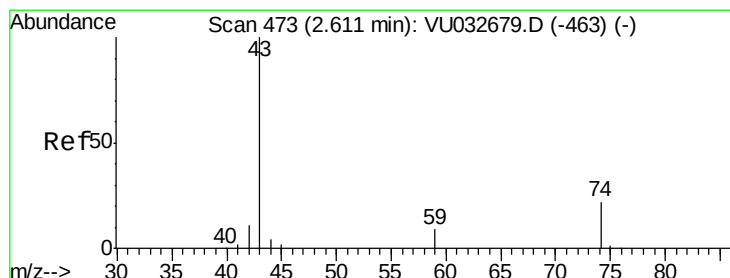
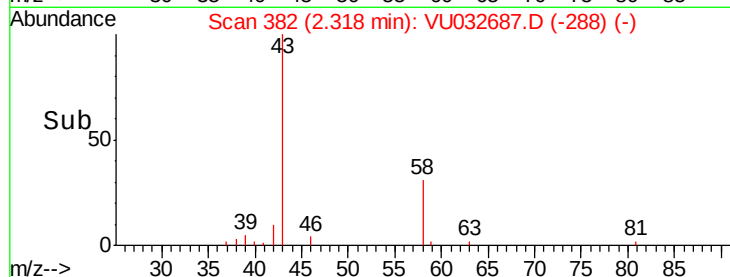
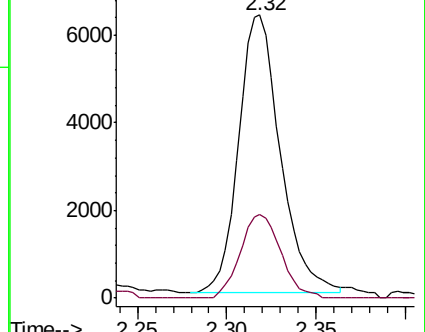
43 100

58 29.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032687.D (-382) (-)

Ion 58.00 (57.70 to 58.70): VU032687.D (-382) (-)



#15

Methyl Acetate

Concen: 0.861 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU032687.D

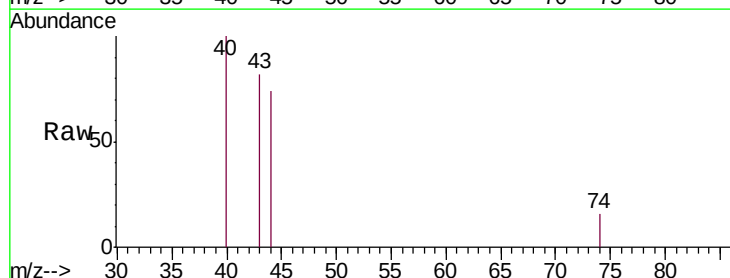
Acq: 13 Jun 2019 12:27

Tgt Ion: 43 Resp: 1234

Ion Ratio Lower Upper

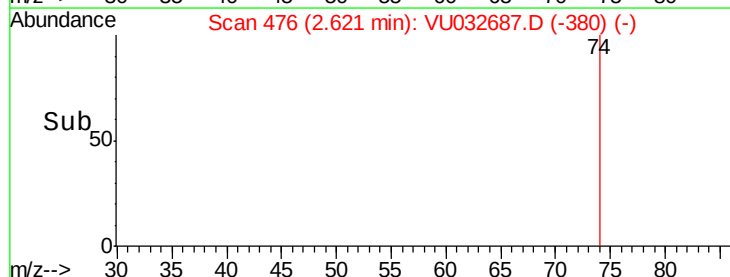
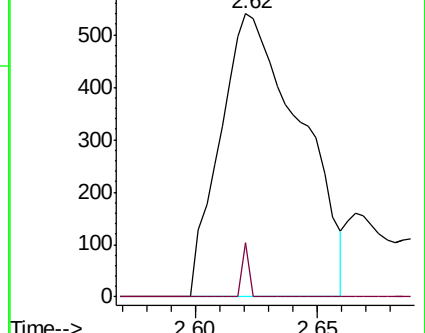
43 100

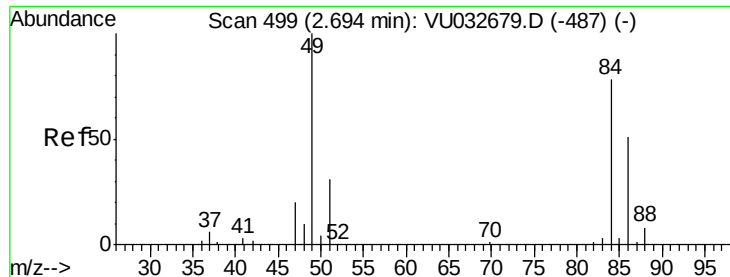
74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU032687.D (-476) (-)

Ion 74.00 (73.70 to 74.70): VU032687.D (-476) (-)

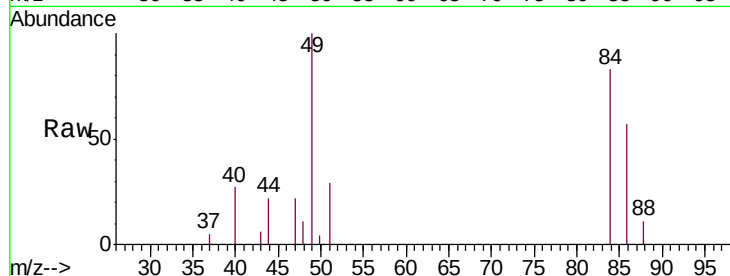




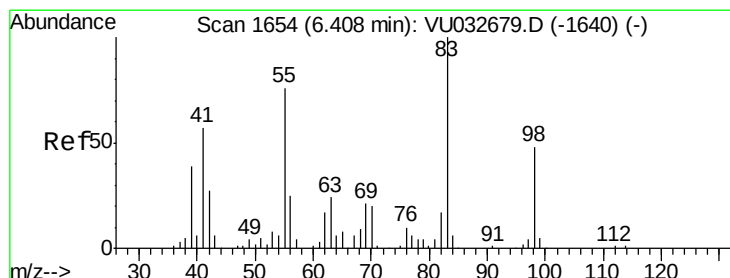
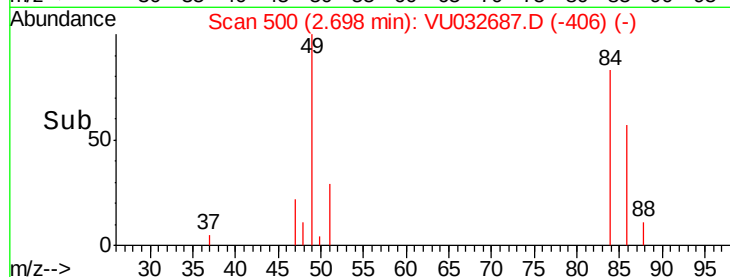
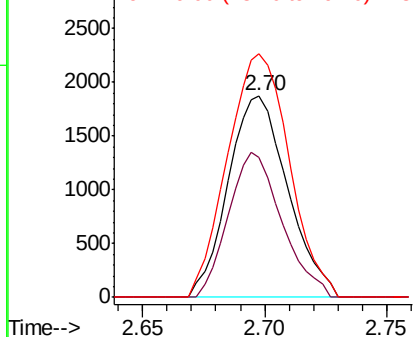
#16  
Methylene chloride  
Concen: 2.623 ug/L  
RT: 2.70 min Scan# 500  
Delta R.T. 0.00 min  
Lab File: VU032687.D  
Acq: 13 Jun 2019 12:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JP7

Tgt Ion: 84 Resp: 3181  
Ion Ratio Lower Upper  
84 100  
86 69.2 44.7 82.9  
49 120.7 86.1 159.9

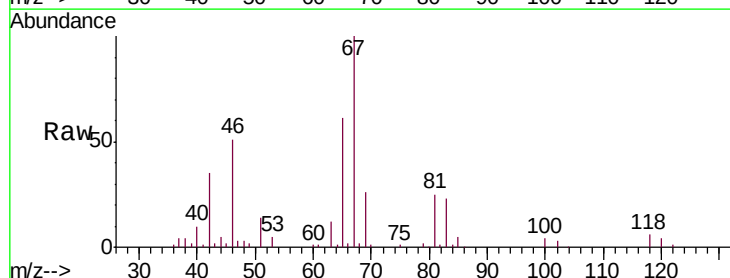


Abundance Ion 84.00 (83.70 to 84.70): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.00 (48.70 to 49.70): VU0

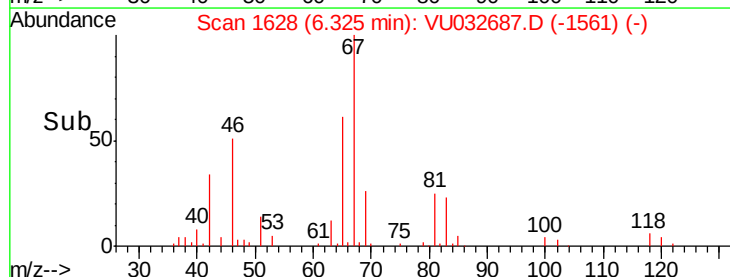
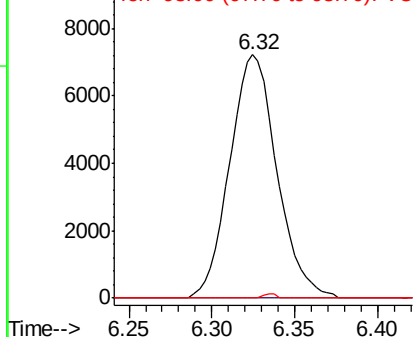


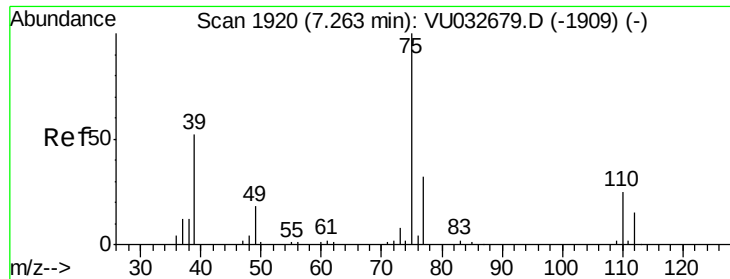
#35  
Methylcyclohexane  
Concen: 6.822 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.08 min  
Lab File: VU032687.D  
Acq: 13 Jun 2019 12:27

Tgt Ion: 83 Resp: 14289  
Ion Ratio Lower Upper  
83 100  
55 0.9 60.2 90.4#  
98 0.5 37.4 56.2#



Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0

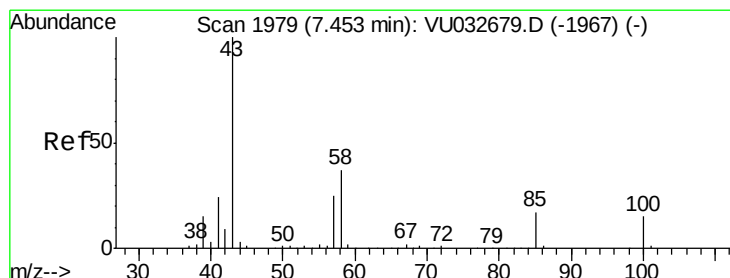
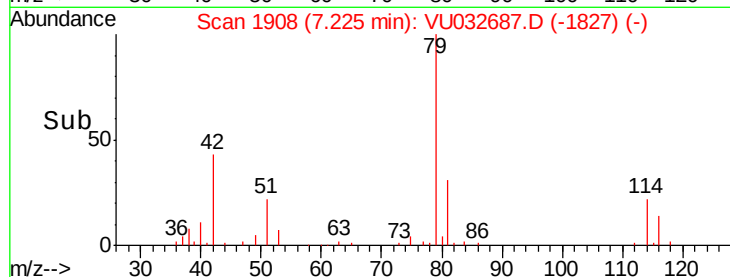
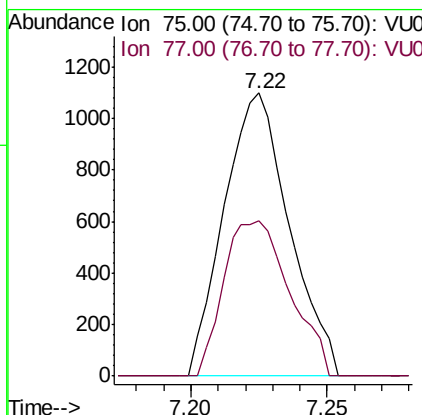
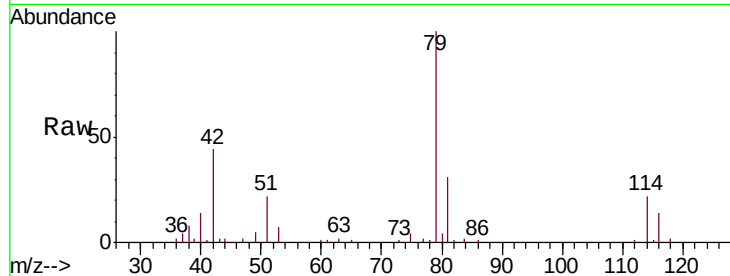




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.919 ug/L  
 RT: 7.22 min Scan# 1908  
 Delta R.T. -0.04 min  
 Lab File: VU032687.D  
 Acq: 13 Jun 2019 12:27

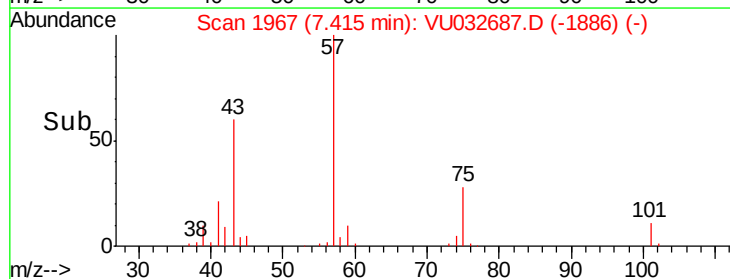
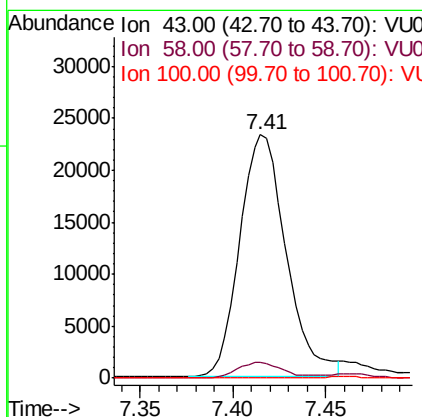
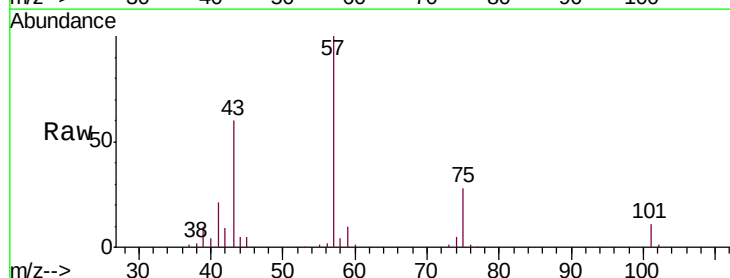
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JP7

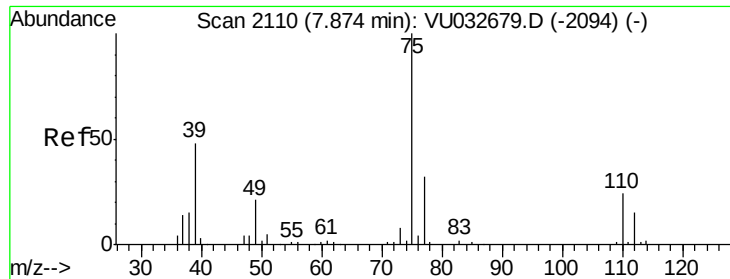
Tgt Ion: 75 Resp: 1828  
 Ion Ratio Lower Upper  
 75 100  
 77 54.7 22.0 41.0#



#40  
 4-Methyl-2-pentanone  
 Concen: 19.915 ug/L  
 RT: 7.41 min Scan# 1967  
 Delta R.T. -0.04 min  
 Lab File: VU032687.D  
 Acq: 13 Jun 2019 12:27

Tgt Ion: 43 Resp: 40387  
 Ion Ratio Lower Upper  
 43 100  
 58 6.2 30.8 46.2#  
 100 0.3 12.1 18.1#





#44

trans-1,3-Dichloropropene

Concen: 0.719 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032687.D

Acq: 13 Jun 2019 12:27

Instrument :

MSVOA\_U

ClientSampleId :

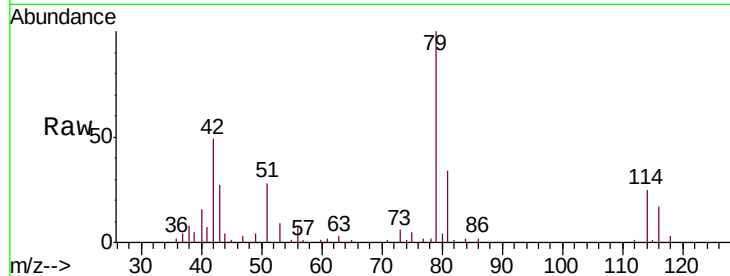
C0JP7

Tgt Ion: 75 Resp: 1270

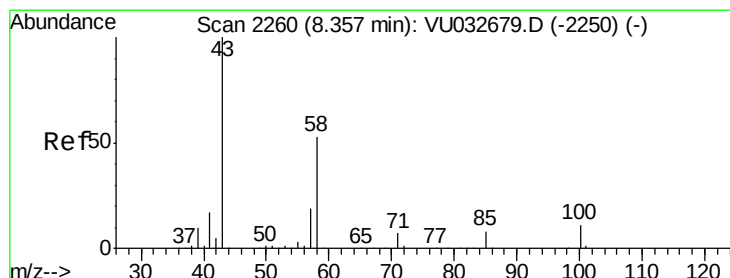
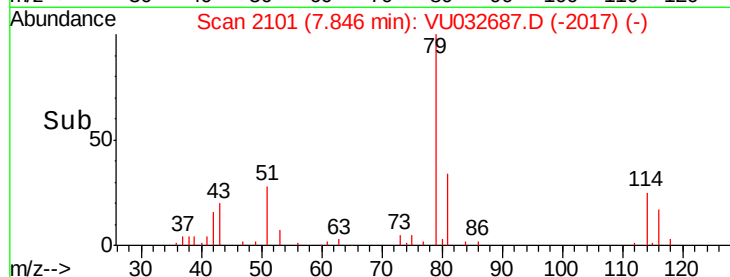
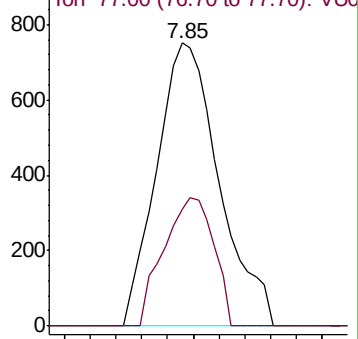
Ion Ratio Lower Upper

75 100

77 41.1 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU032679.D (-2094) (-)



#48

2-Hexanone

Concen: 7.630 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.05 min

Lab File: VU032687.D

Acq: 13 Jun 2019 12:27

Tgt Ion: 43 Resp: 12710

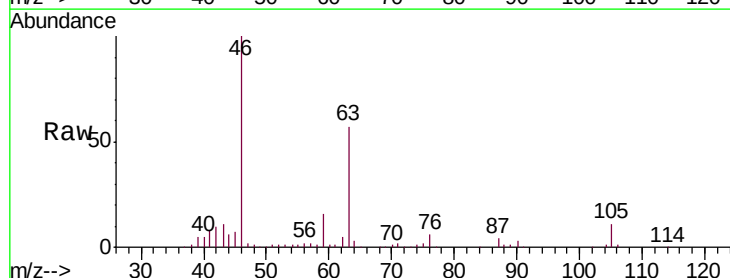
Ion Ratio Lower Upper

43 100

58 8.8 42.0 63.0#

57 16.9 14.6 22.0

100 0.0 9.2 13.8#

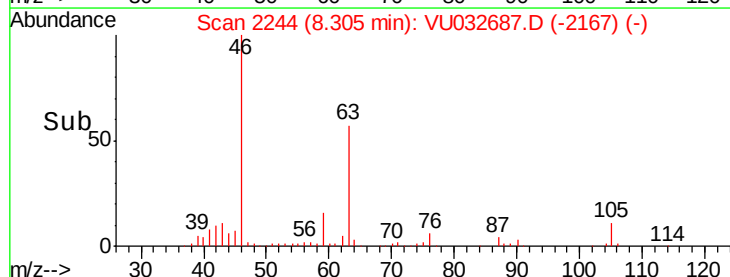
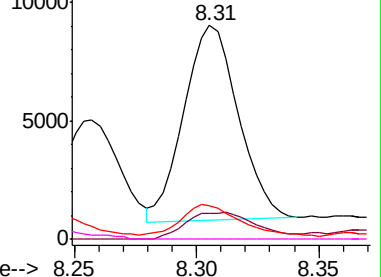


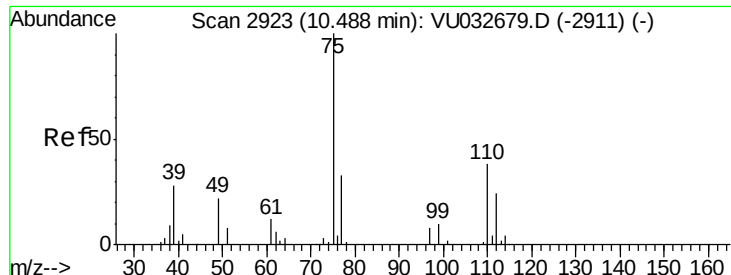
Abundance Ion 43.00 (42.70 to 43.70): VU032679.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU032679.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU032679.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU032679.D (-2250) (-)





#59

1,2,3-Trichloropropane

Concen: 5.995 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032687.D

Acq: 13 Jun 2019 12:27

Instrument :

MSVOA\_U

ClientSampleId :

C0JP7

Tgt Ion: 75 Resp: 9824

Ion Ratio Lower Upper

75 100

77 38.5 25.6 38.4#

