

Data File : VU032685.D  
Acq On : 13 Jun 2019 11:41  
Operator : JC/SP  
Sample : K3286-21  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JS8

Quant Time: Jun 14 01:29:24 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  | 174707   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 166617   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 80493    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 41031    | 36.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 72.40%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 36036    | 39.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 79.12%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 64529    | 29.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.16%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 97098    | 102.36   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.36% |
| 24) Chloroform-d               | 4.64    | 84    | 95547    | 45.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 64276    | 48.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.54%  |
| 32) Benzene-d6                 | 5.33    | 84    | 178222   | 41.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 61315    | 45.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.42%  |
| 41) Toluene-d8                 | 7.56    | 98    | 162535   | 39.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 79.26%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 27972    | 43.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.18%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 69154    | 105.11   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.11% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 94277    | 47.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.94%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 70544    | 45.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.52%  |

#### Target Compounds

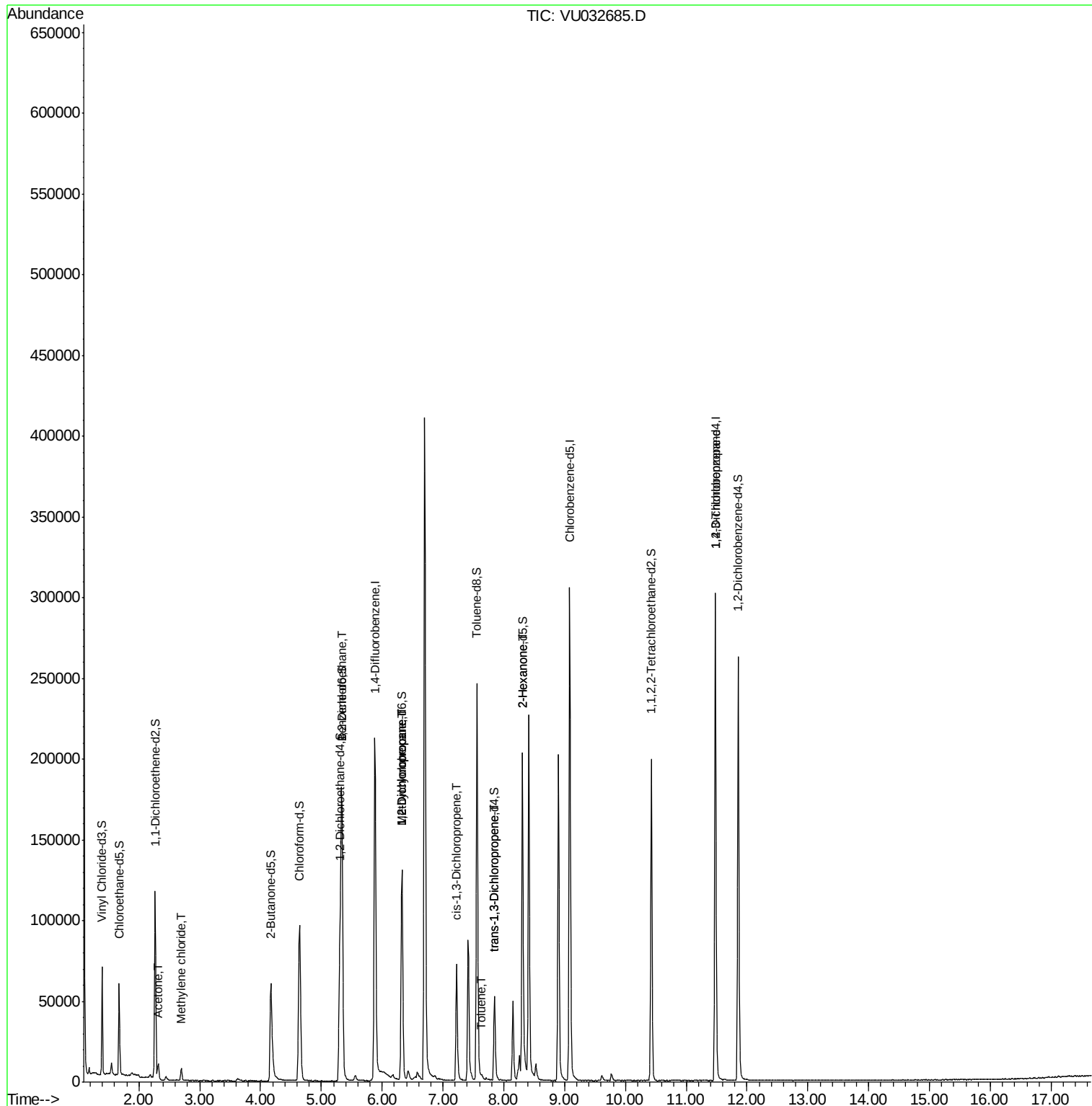
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 2.32  | 43 | 10362 | 10.587 ug/L  | 97     |
| 16) Methylene chloride        | 2.70  | 84 | 3150  | 2.663 ug/L   | 98     |
| 27) 1,2-Dichloroethane        | 5.33  | 62 | 1084  | 0.649 ug/L # | 75     |
| 35) Methylcyclohexane         | 6.32  | 83 | 13663 | 6.626 ug/L # | 20     |
| 37) 1,2-Dichloropropane       | 6.32  | 63 | 6690  | 5.391 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.22  | 75 | 2070  | 1.057 ug/L # | 75     |
| 42) Toluene                   | 7.64  | 91 | 2047  | 0.399 ug/L   | 100    |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 1482  | 0.853 ug/L   | 97     |
| 48) 2-Hexanone                | 8.31  | 43 | 11560 | 7.050 ug/L # | 65     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 9878  | 6.123 ug/L   | 91     |

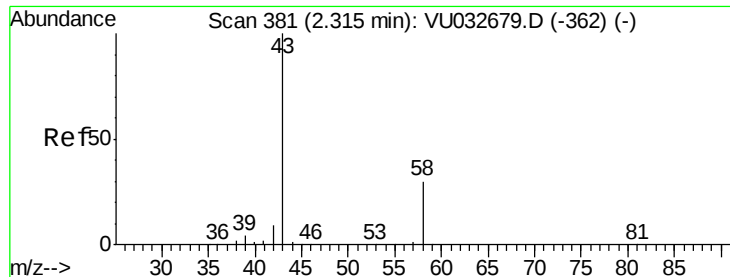
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#13

Acetone

Concen: 10.587 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032685.D

Acq: 13 Jun 2019 11:41

Instrument :

MSVOA\_U

ClientSampleId :

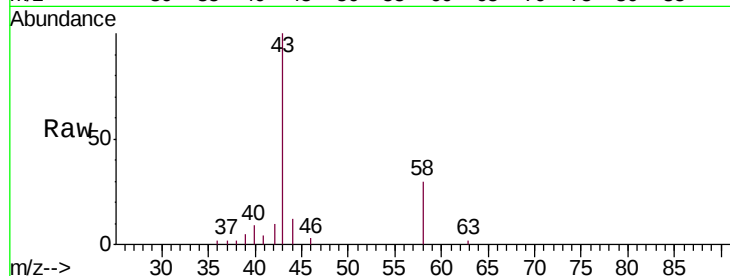
C0JS8

Tgt Ion: 43 Resp: 10362

Ion Ratio Lower Upper

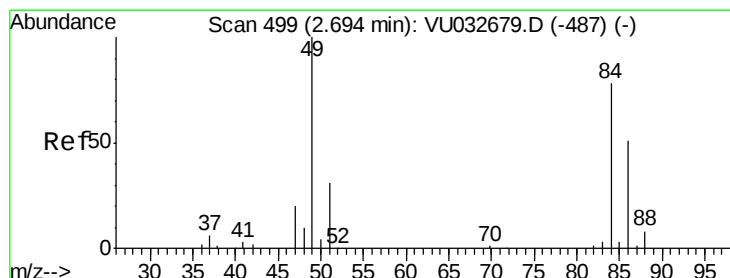
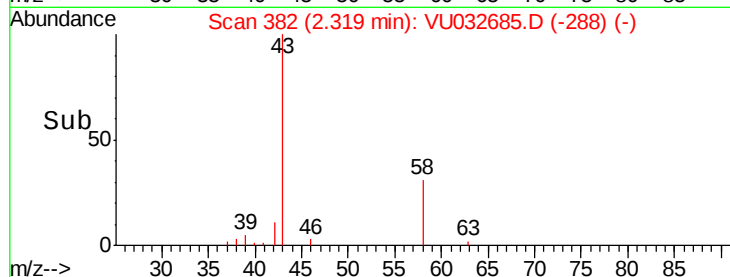
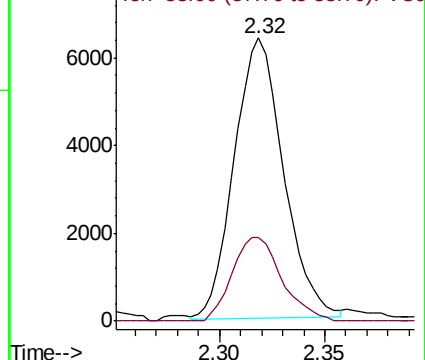
43 100

58 30.1 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032679.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU032679.D (-362) (-)



#16

Methylene chloride

Concen: 2.663 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU032685.D

Acq: 13 Jun 2019 11:41

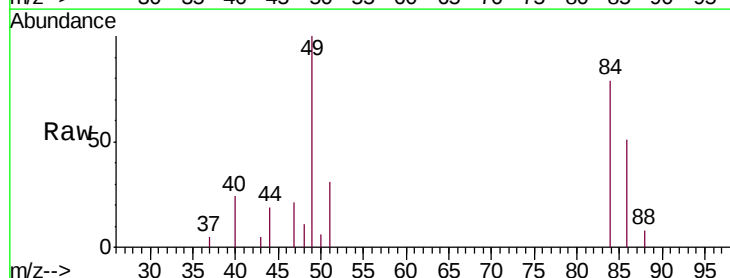
Tgt Ion: 84 Resp: 3150

Ion Ratio Lower Upper

84 100

86 63.8 44.7 82.9

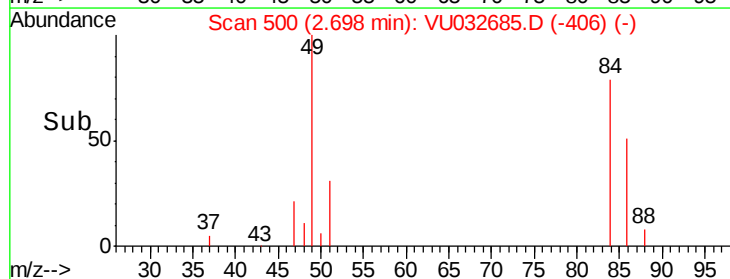
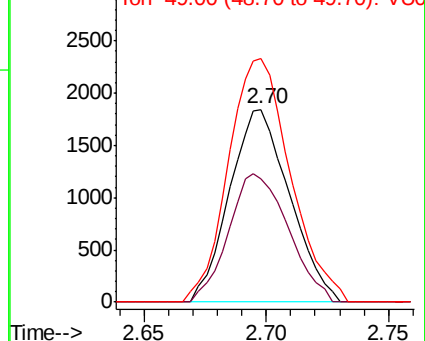
49 126.2 86.1 159.9

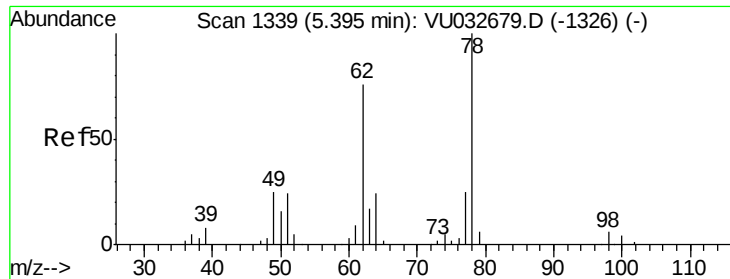


Abundance Ion 84.00 (83.70 to 84.70): VU032679.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU032679.D (-487) (-)

Ion 49.00 (48.70 to 49.70): VU032679.D (-487) (-)

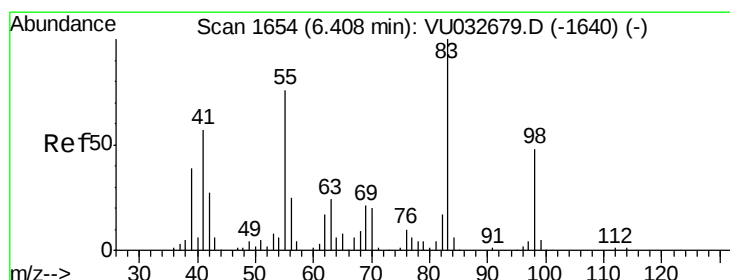
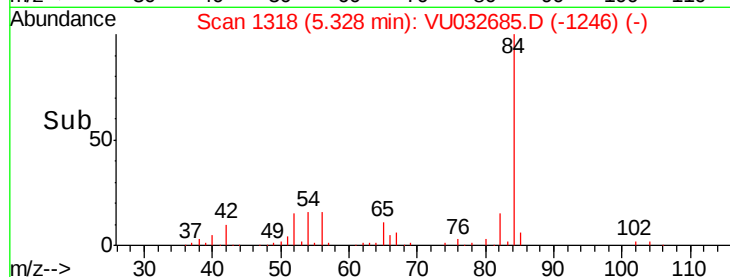
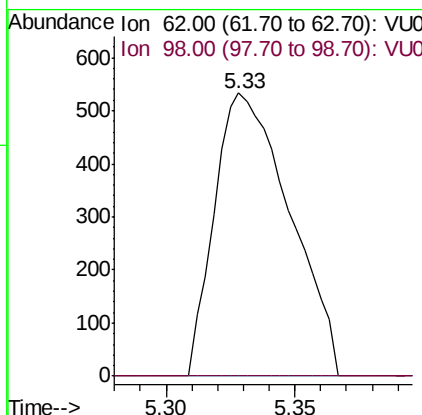
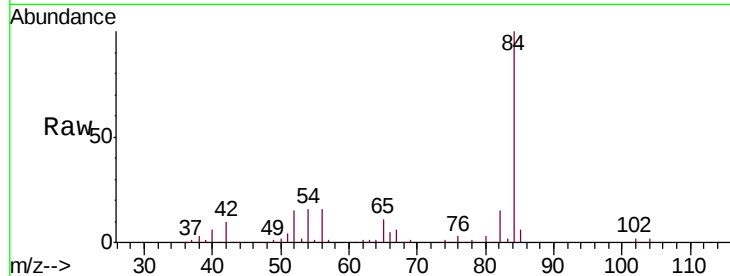




#27  
 1,2-Dichloroethane  
 Concen: 0.649 ug/L  
 RT: 5.33 min Scan# 1318  
 Delta R.T. -0.07 min  
 Lab File: VU032685.D  
 Acq: 13 Jun 2019 11:41

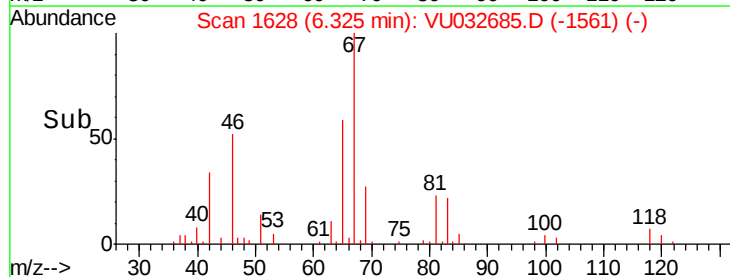
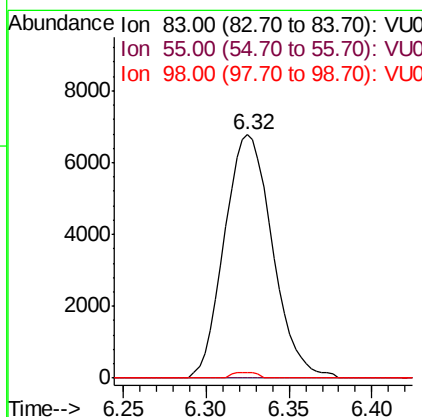
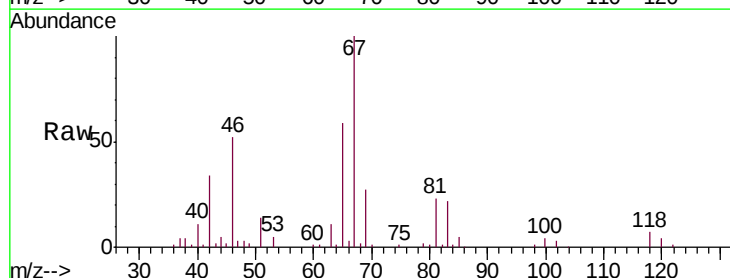
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JS8

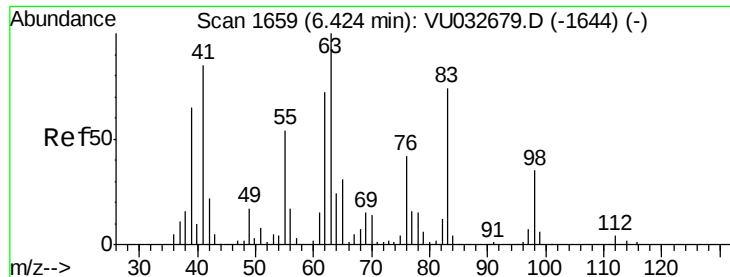
Tgt Ion: 62 Resp: 1084  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 7.2 10.8#



#35  
 Methylcyclohexane  
 Concen: 6.626 ug/L  
 RT: 6.32 min Scan# 1628  
 Delta R.T. -0.08 min  
 Lab File: VU032685.D  
 Acq: 13 Jun 2019 11:41

Tgt Ion: 83 Resp: 13663  
 Ion Ratio Lower Upper  
 83 100  
 55 0.3 60.2 90.4#  
 98 1.3 37.4 56.2#

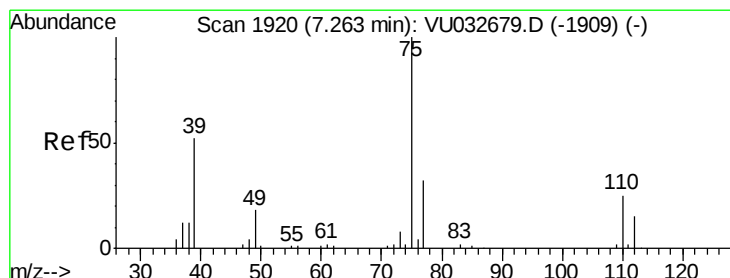
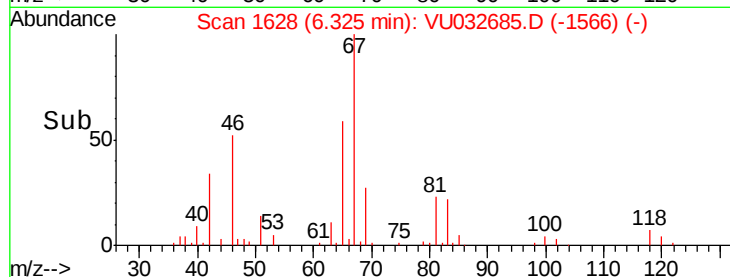
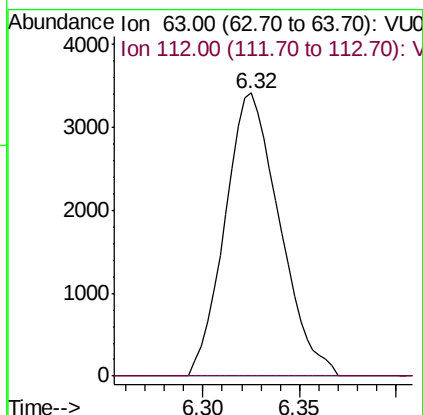
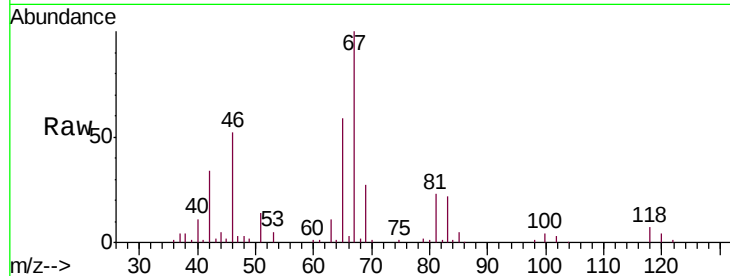




#37  
 1,2-Dichloropropane  
 Concen: 5.391 ug/L  
 RT: 6.32 min Scan# 1628  
 Delta R.T. -0.10 min  
 Lab File: VU032685.D  
 Acq: 13 Jun 2019 11:41

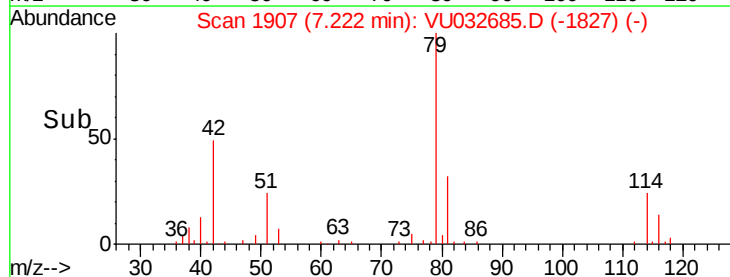
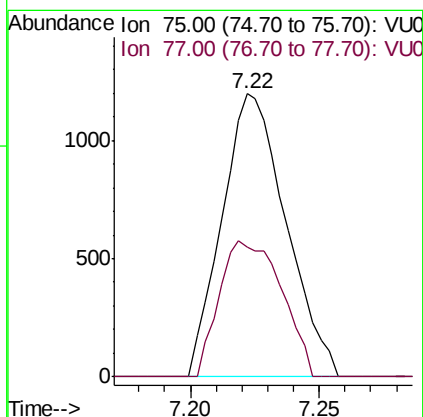
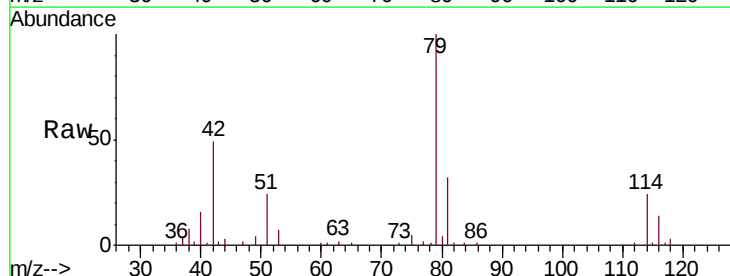
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JS8

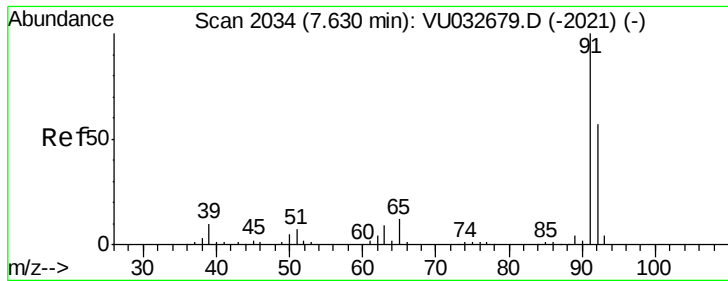
Tgt Ion: 63 Resp: 6690  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.1 4.7#



#39  
 cis-1,3-Dichloropropene  
 Concen: 1.057 ug/L  
 RT: 7.22 min Scan# 1907  
 Delta R.T. -0.04 min  
 Lab File: VU032685.D  
 Acq: 13 Jun 2019 11:41

Tgt Ion: 75 Resp: 2070  
 Ion Ratio Lower Upper  
 75 100  
 77 45.6 22.0 41.0#





#42

Toluene

Concen: 0.399 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU032685.D

Acq: 13 Jun 2019 11:41

Instrument :

MSVOA\_U

ClientSampleId :

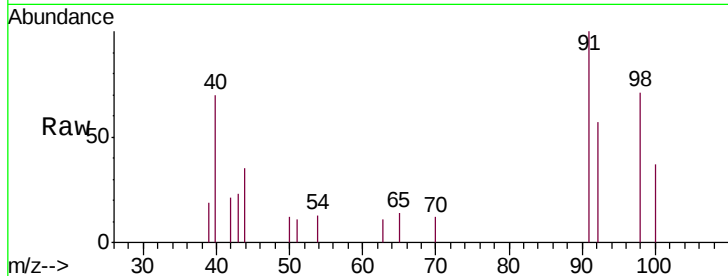
C0JS8

Tgt Ion: 91 Resp: 2047

Ion Ratio Lower Upper

91 100

92 56.7 39.7 73.7

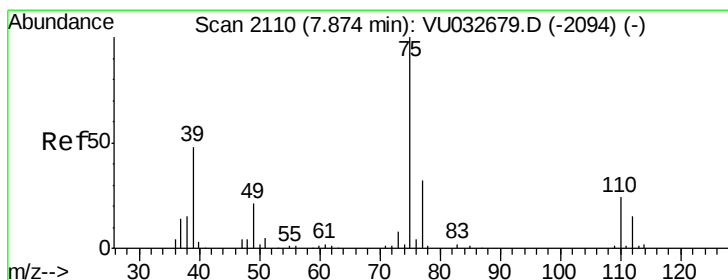
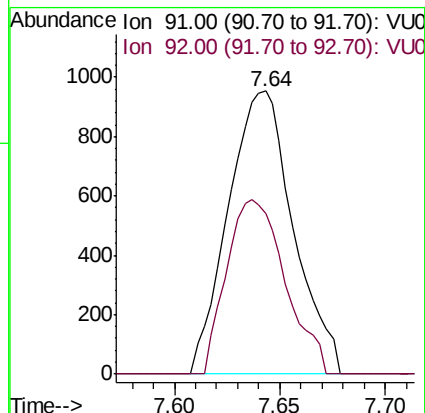
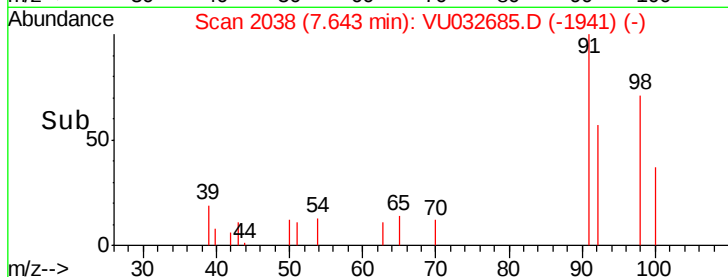


Abundance Ion 91.00 (90.70 to 91.70): VU032679.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032679.D (-2021) (-)

7.64

7.60 7.65 7.70



#44

trans-1,3-Dichloropropene

Concen: 0.853 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032685.D

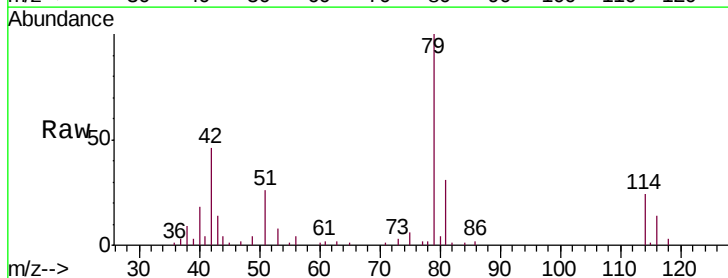
Acq: 13 Jun 2019 11:41

Tgt Ion: 75 Resp: 1482

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1

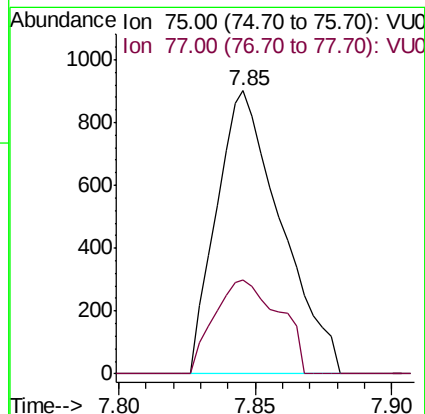
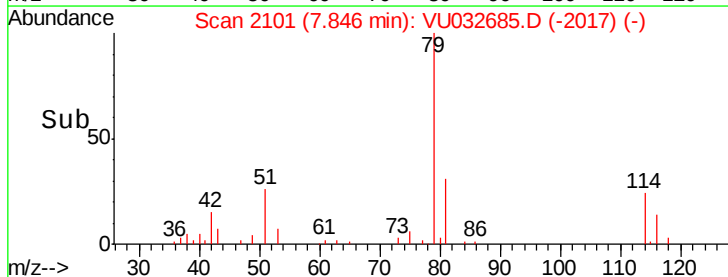


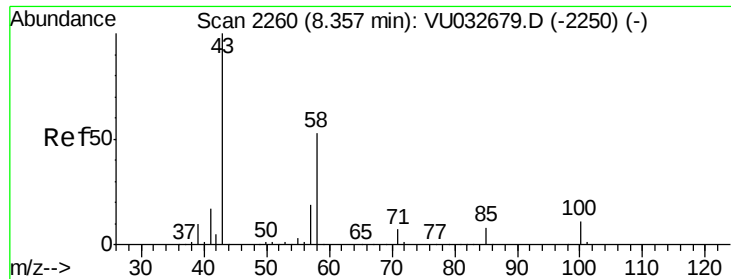
Abundance Ion 75.00 (74.70 to 75.70): VU032679.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032679.D (-2094) (-)

7.85

7.80 7.85 7.90

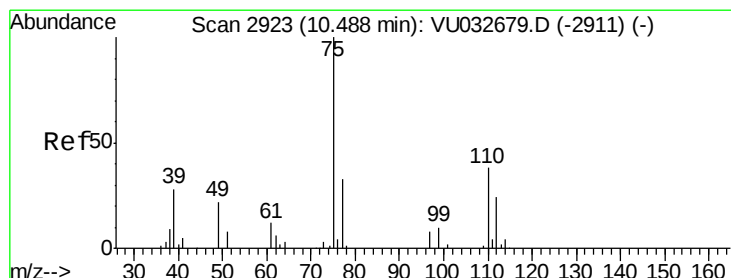
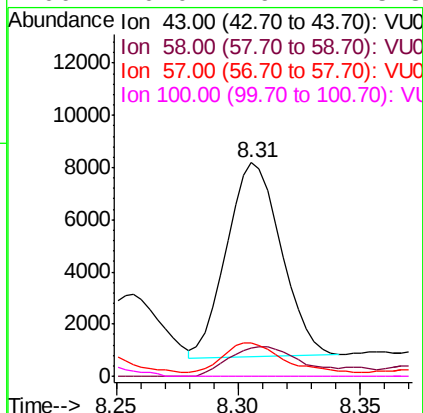
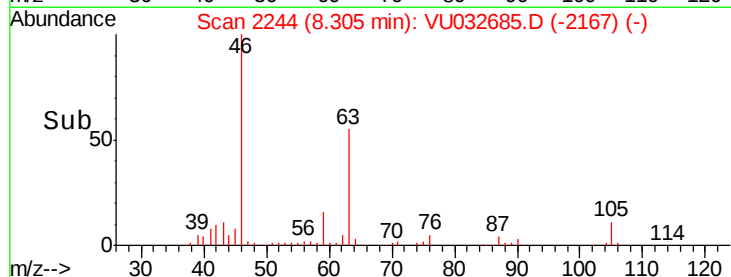
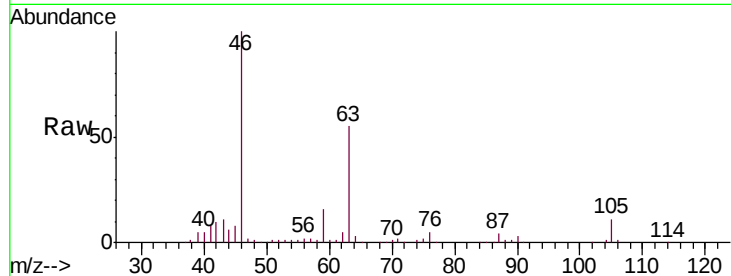




#48  
2-Hexanone  
Concen: 7.050 ug/L  
RT: 8.31 min Scan# 2244  
Delta R.T. -0.05 min  
Lab File: VU032685.D  
Acq: 13 Jun 2019 11:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0JS8

Tgt Ion: 43 Resp: 11560  
Ion Ratio Lower Upper  
43 100  
58 19.9 42.0 63.0#  
57 16.2 14.6 22.0  
100 0.0 9.2 13.8#



#59  
1,2,3-Trichloropropane  
Concen: 6.123 ug/L  
RT: 11.48 min Scan# 3231  
Delta R.T. 0.99 min  
Lab File: VU032685.D  
Acq: 13 Jun 2019 11:41

Tgt Ion: 75 Resp: 9878  
Ion Ratio Lower Upper  
75 100  
77 37.2 25.6 38.4

