

Data File : VU035878.D  
Acq On : 26 Nov 2019 23:46  
Operator : JC/SP  
Sample : K6057-11  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AB0

Quant Time: Nov 27 03:22:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR112119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Nov 27 03:16:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 209670   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 249931   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 70368    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 138299   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.00% |
| 7) Chloroethane-d5             | 1.93   | 69    | 132404   | 5.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 111.60% |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 172644   | 3.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.80%  |
| 20) 2-Butanone-d5              | 4.69   | 46    | 321000   | 50.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.28% |
| 24) Chloroform-d               | 5.11   | 84    | 226337   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 133720   | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.80% |
| 32) Benzene-d6                 | 5.77   | 84    | 447792   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 157479   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%  |
| 41) Toluene-d8                 | 7.93   | 98    | 341547   | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 77.60%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 49303    | 3.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.80%  |
| 46) 2-Hexanone-d5              | 8.69   | 63    | 262881   | 52.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.62% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 133841   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 82423    | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.80% |

#### Target Compounds

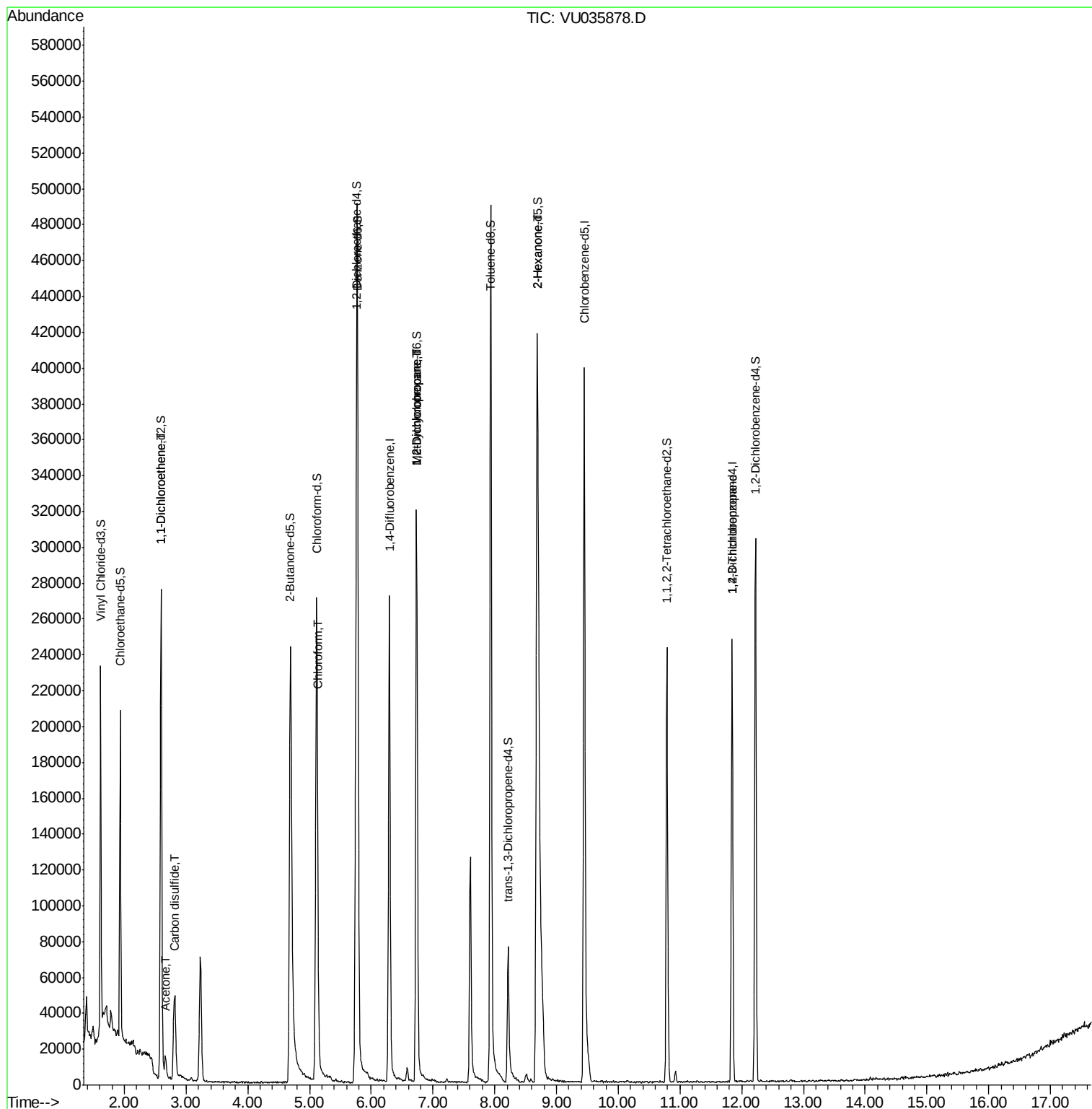
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.59  | 96 | 1410  | 0.065 ug/L # | 1      |
| 13) Acetone                | 2.66  | 43 | 14080 | 2.529 ug/L   | 98     |
| 14) Carbon disulfide       | 2.83  | 76 | 35845 | 0.495 ug/L   | 98     |
| 25) Chloroform             | 5.14  | 83 | 11610 | 0.247 ug/L   | 98     |
| 35) Methylcyclohexane      | 6.73  | 83 | 34848 | 0.928 ug/L # | 14     |
| 37) 1,2-Dichloropropane    | 6.73  | 63 | 16640 | 0.562 ug/L # | 90     |
| 48) 2-Hexanone             | 8.69  | 43 | 31730 | 2.372 ug/L # | 74     |
| 59) 1,2,3-Trichloropropane | 11.84 | 75 | 9172  | 0.477 ug/L   | 96     |

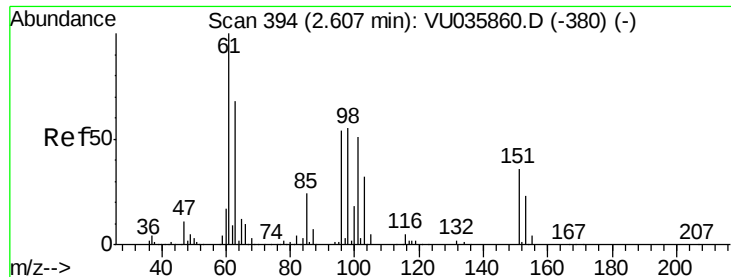
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035878.D  
Acq On : 26 Nov 2019 23:46  
Operator : JC/SP  
Sample : K6057-11  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AB0

Quant Time: Nov 27 03:22:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR112119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Nov 27 03:16:13 2019  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035878.D

Acq: 26 Nov 2019 23:46

Instrument :

MSVOA\_U

ClientSampleId :

C0AB0

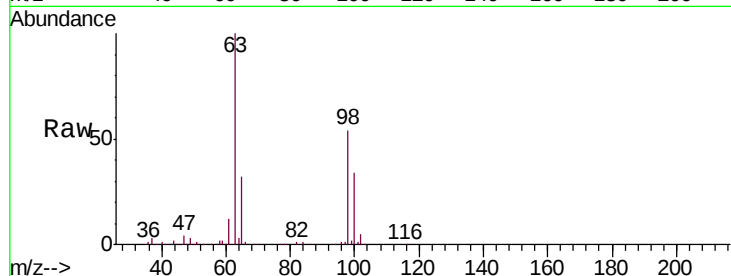
Tgt Ion: 96 Resp: 1410

Ion Ratio Lower Upper

96 100

61 1338.8 139.3 258.7#

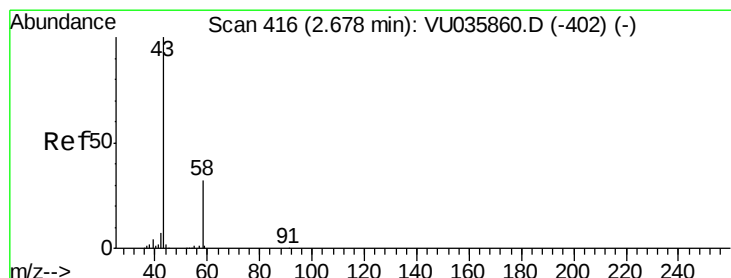
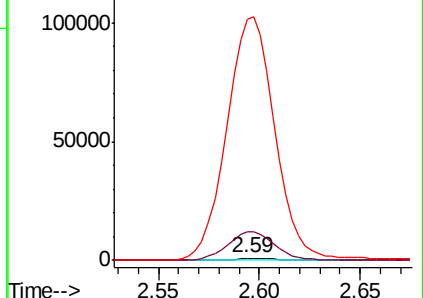
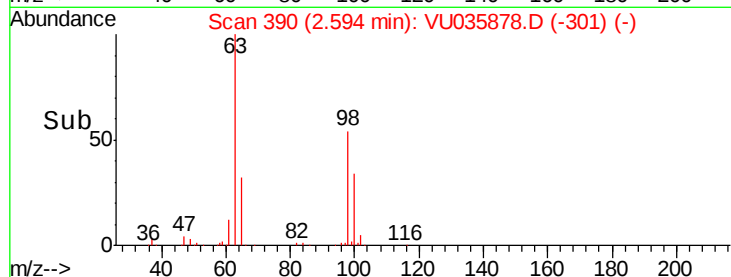
63 11264.1 93.7 174.1#



Abundance Ion 96.00 (95.70 to 96.70): VU035878.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035878.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035878.D (-301) (-)



#13

Acetone

Concen: 2.529 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU035878.D

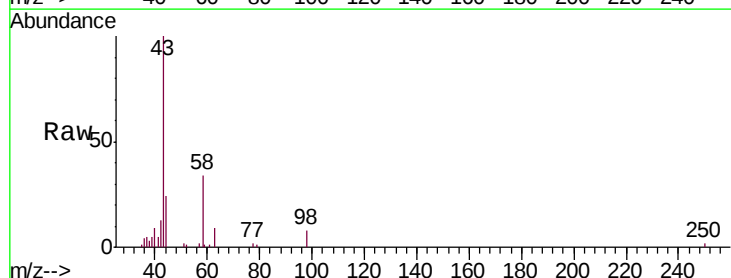
Acq: 26 Nov 2019 23:46

Tgt Ion: 43 Resp: 14080

Ion Ratio Lower Upper

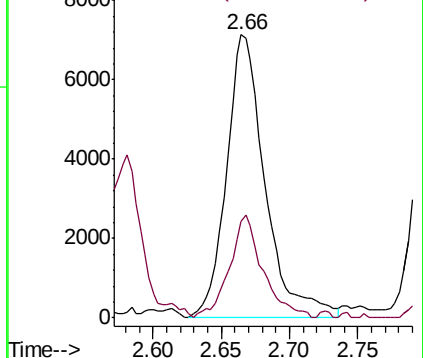
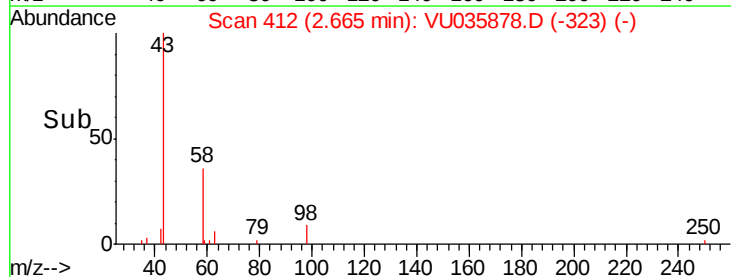
43 100

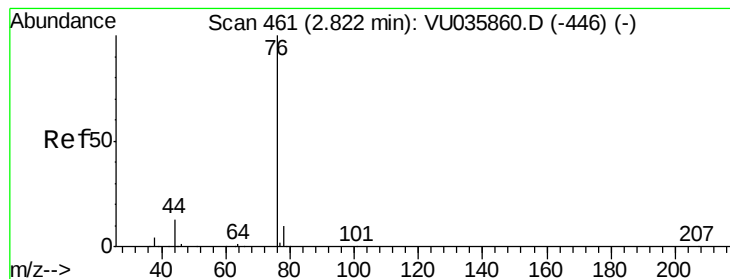
58 31.5 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035878.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035878.D (-323) (-)





#14

Carbon disulfide

Concen: 0.495 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035878.D

Acq: 26 Nov 2019 23:46

Instrument :

MSVOA\_U

ClientSampleId :

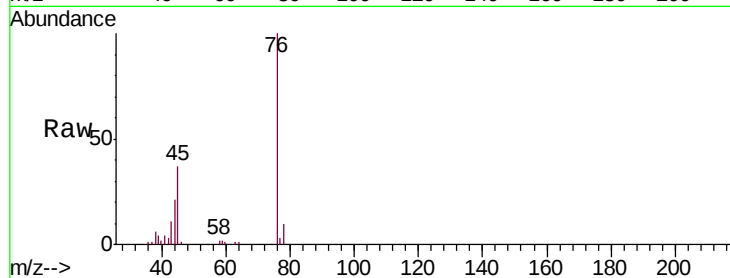
C0AB0

Tgt Ion: 76 Resp: 35845

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035860.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035860.D (-446) (-)

2.83

20000

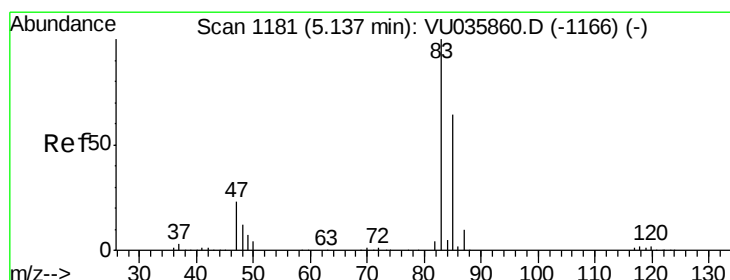
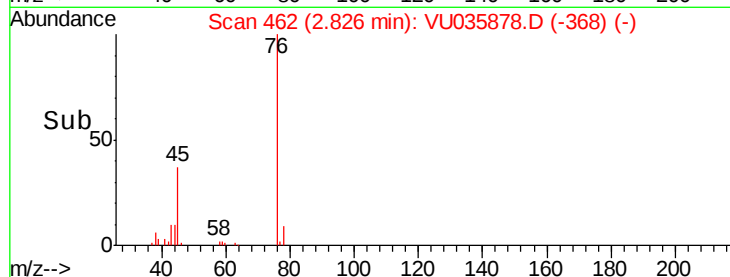
15000

10000

5000

0

Time-->



#25

Chloroform

Concen: 0.247 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035878.D

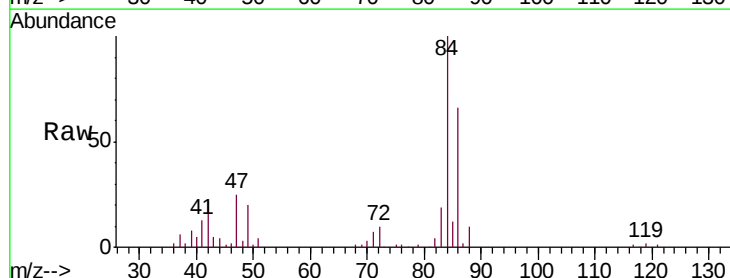
Acq: 26 Nov 2019 23:46

Tgt Ion: 83 Resp: 11610

Ion Ratio Lower Upper

83 100

85 65.5 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035860.D (-1166) (-)

Ion 85.00 (84.70 to 85.70): VU035860.D (-1166) (-)

5.14

6000

5000

4000

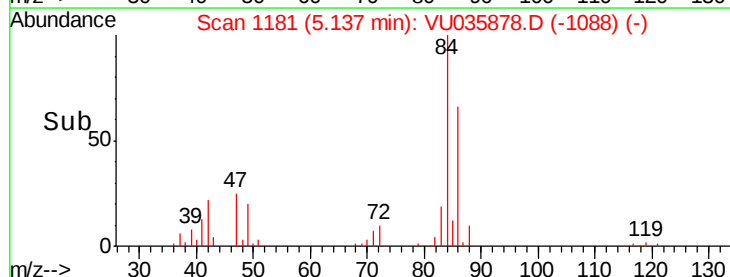
3000

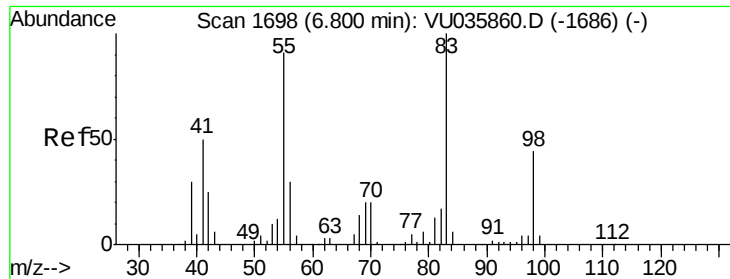
2000

1000

0

Time-->





#35

Methylcyclohexane

Concen: 0.928 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035878.D

Acq: 26 Nov 2019 23:46

Instrument :

MSVOA\_U

ClientSampleId :

C0AB0

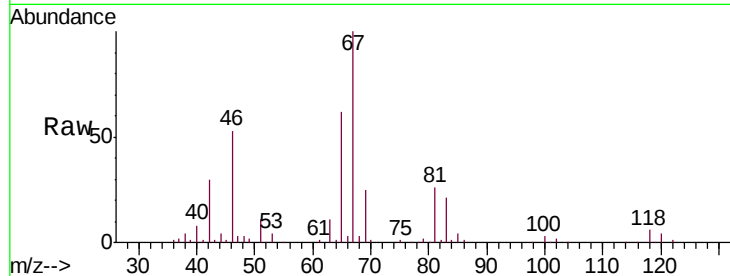
Tgt Ion: 83 Resp: 34848

Ion Ratio Lower Upper

83 100

55 0.7 72.7 109.1#

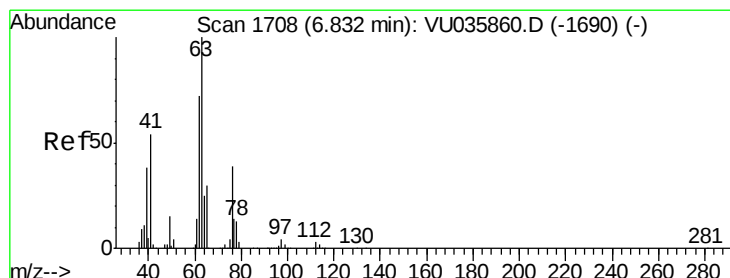
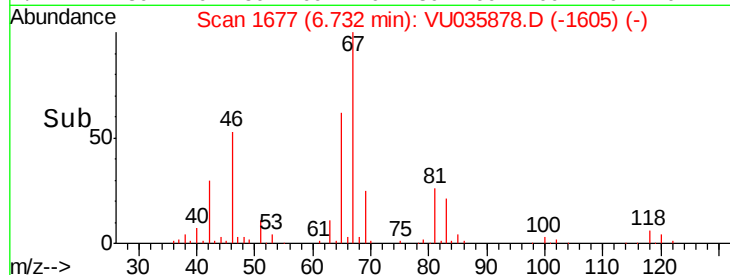
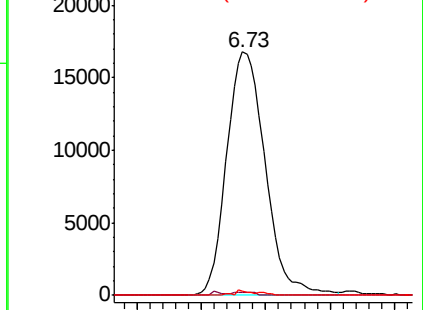
98 0.8 36.2 54.4#



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: 0.562 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035878.D

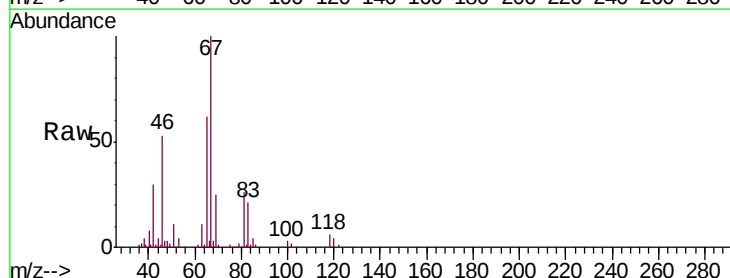
Acq: 26 Nov 2019 23:46

Tgt Ion: 63 Resp: 16640

Ion Ratio Lower Upper

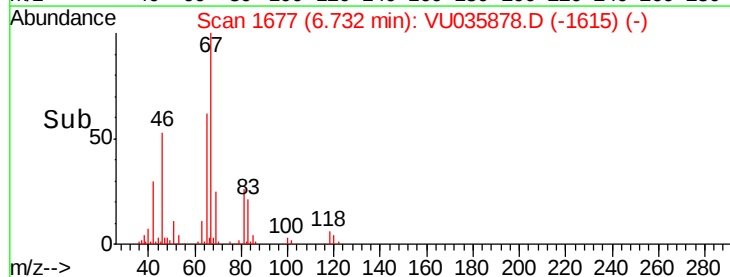
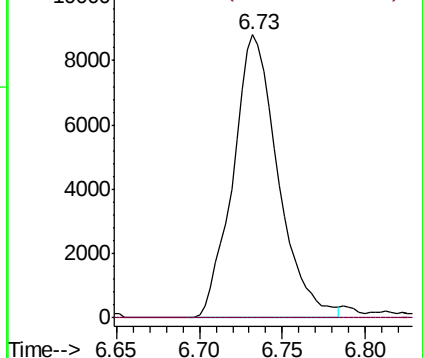
63 100

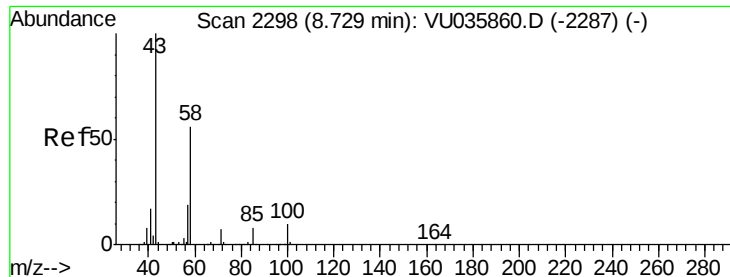
112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

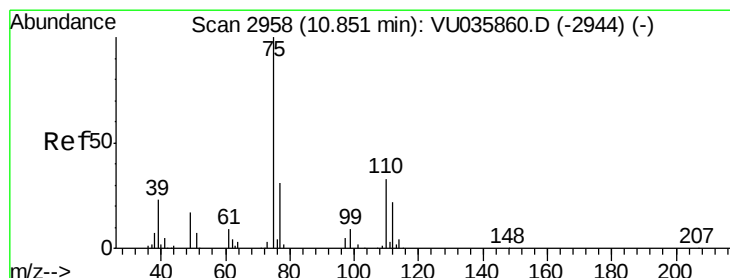
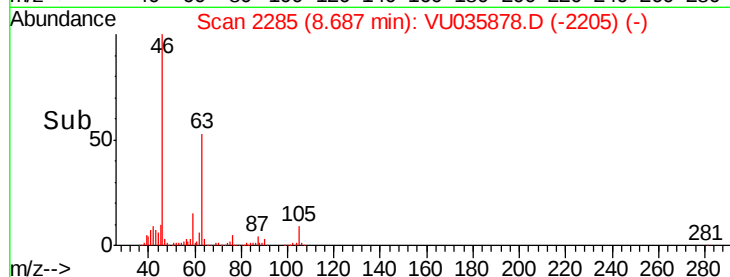
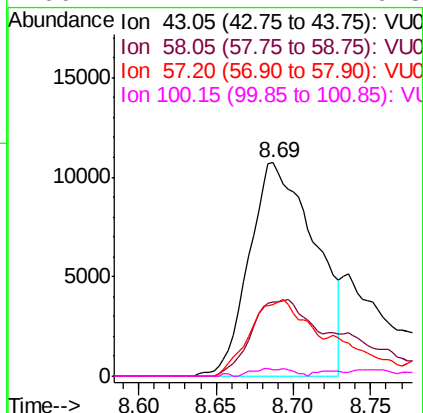
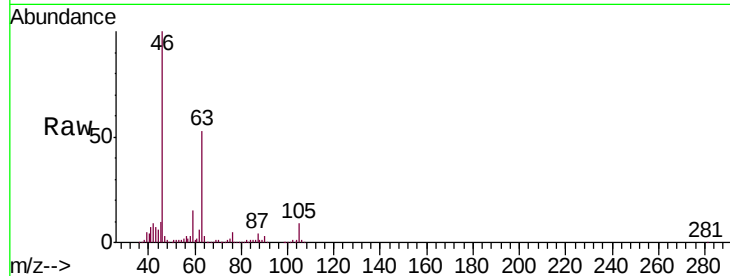




#48  
 2-Hexanone  
 Concen: 2.372 ug/L  
 RT: 8.69 min Scan# 2285  
 Delta R.T. -0.04 min  
 Lab File: VU035878.D  
 Acq: 26 Nov 2019 23:46

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AB0

Tgt Ion: 43 Resp: 31730  
 Ion Ratio Lower Upper  
 43 100  
 58 33.5 39.8 59.8#  
 57 31.8 14.0 21.0#  
 100 1.2 7.2 10.8#



#59  
 1,2,3-Trichloropropane  
 Concen: 0.477 ug/L  
 RT: 11.84 min Scan# 3267  
 Delta R.T. 0.99 min  
 Lab File: VU035878.D  
 Acq: 26 Nov 2019 23:46

Tgt Ion: 75 Resp: 9172  
 Ion Ratio Lower Upper  
 75 100  
 77 34.0 25.4 38.2

