

Data File : VU035072.D  
Acq On : 11 Oct 2019 01:29  
Operator : JC/SP  
Sample : K5309-01 200X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
OU2-MW-6-001-01

Quant Time: Oct 11 04:47:42 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 11 04:39:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 152493   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 160916   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 59225    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 35118    | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 78.00%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 39298    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 56780    | 2.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 59.80%# |
| 20) 2-Butanone-d5              | 4.17   | 46    | 150077   | 56.53    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 113.06% |
| 24) Chloroform-d               | 4.62   | 84    | 83773    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 51739    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.60% |
| 32) Benzene-d6                 | 5.32   | 84    | 172862   | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 64217    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.80% |
| 41) Toluene-d8                 | 7.55   | 98    | 148298   | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.20%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 17773    | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.40%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 105292   | 48.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 59160    | 5.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 55093    | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.20% |

#### Target Compounds

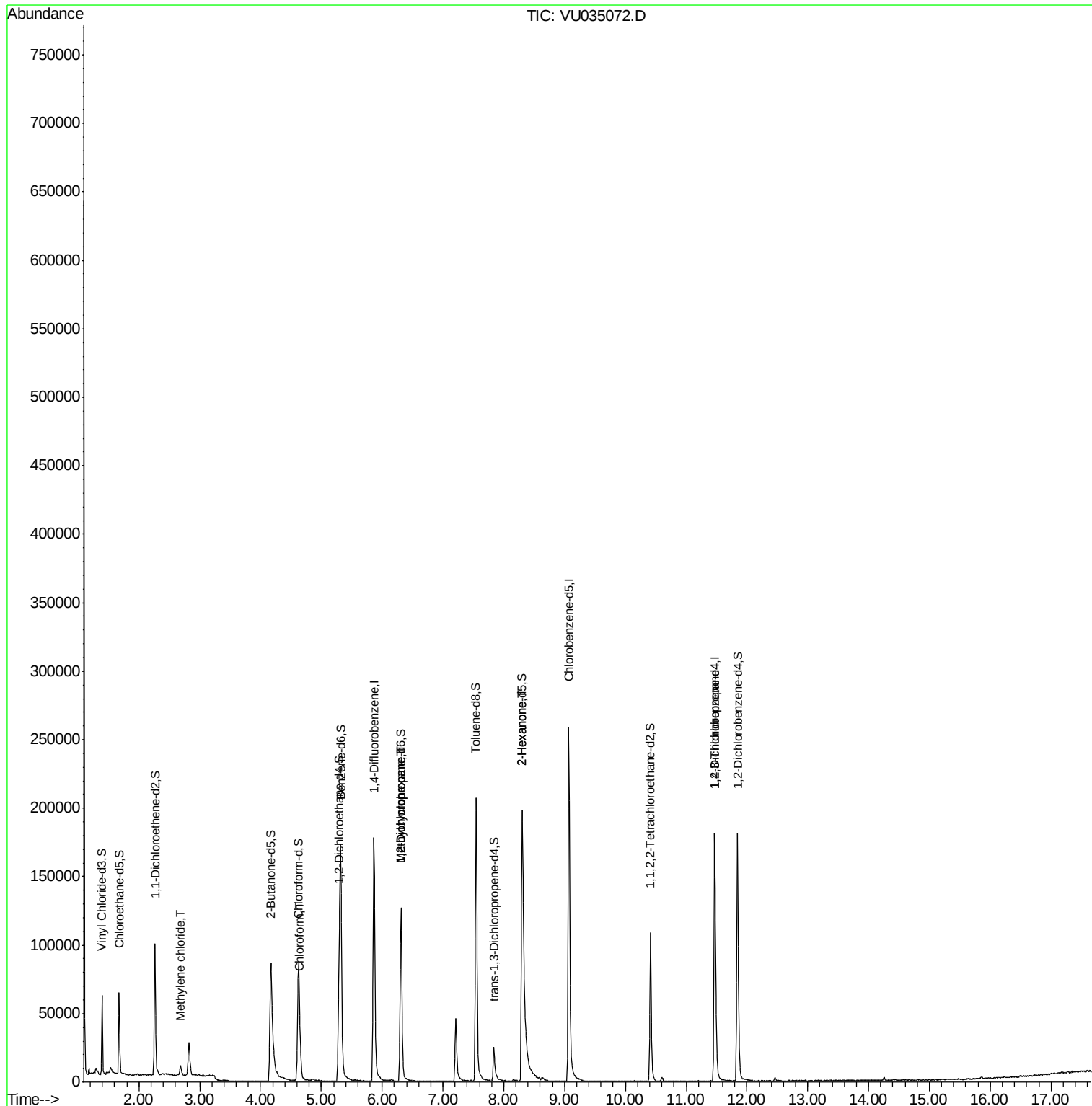
|                            |       |    |       |       |        | Qvalue |
|----------------------------|-------|----|-------|-------|--------|--------|
| 16) Methylene chloride     | 2.69  | 84 | 2557  | 0.211 | ug/L   | 92     |
| 25) Chloroform             | 4.66  | 83 | 13289 | 0.567 | ug/L   | 98     |
| 35) Methylcyclohexane      | 6.31  | 83 | 15012 | 0.741 | ug/L # | 18     |
| 37) 1,2-Dichloropropane    | 6.31  | 63 | 7197  | 0.550 | ug/L # | 88     |
| 48) 2-Hexanone             | 8.30  | 43 | 11395 | 2.020 | ug/L # | 74     |
| 59) 1,2,3-Trichloropropane | 11.47 | 75 | 7554  | 0.893 | ug/L   | 94     |

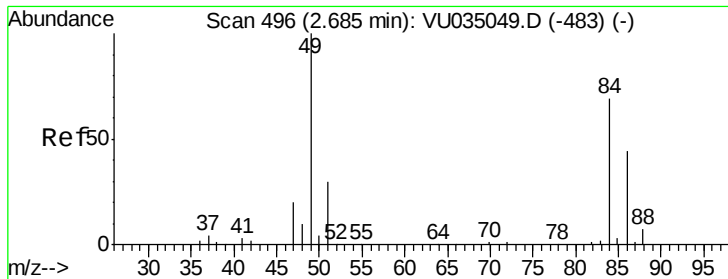
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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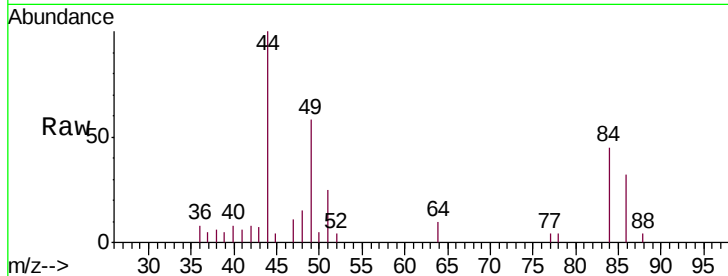




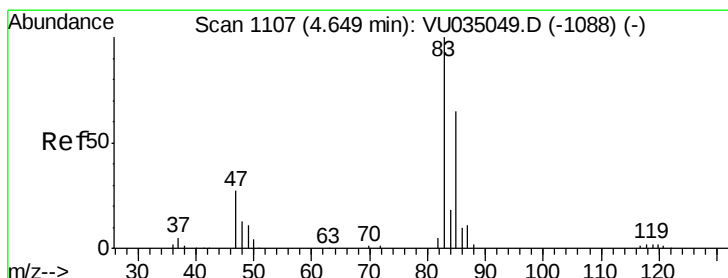
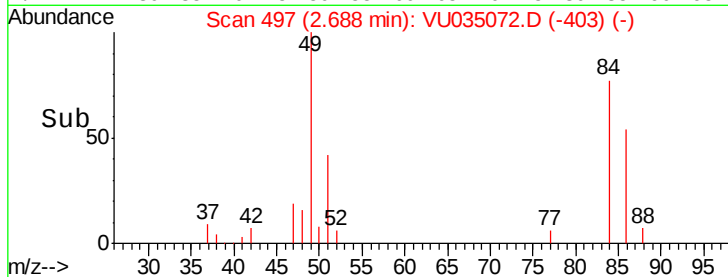
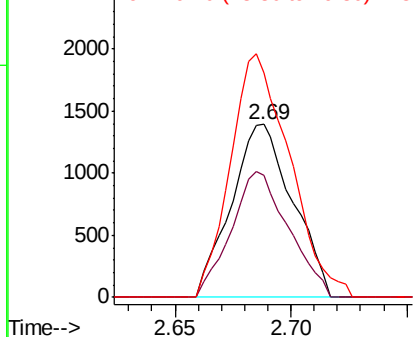
#16  
Methylene chloride  
Concen: 0.211 ug/L  
RT: 2.69 min Scan# 497  
Delta R.T. 0.00 min  
Lab File: VU035072.D  
Acq: 11 Oct 2019 01:29

Instrument :  
MSVOA\_U  
ClientSampleId :  
OU2-MW-6-001-01

Tgt Ion: 84 Resp: 2557  
Ion Ratio Lower Upper  
84 100  
86 70.4 42.5 78.9  
49 130.1 86.9 161.3

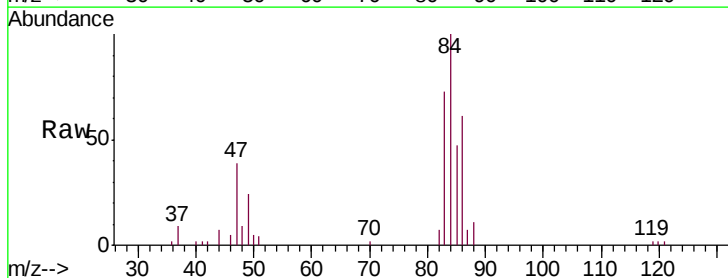


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

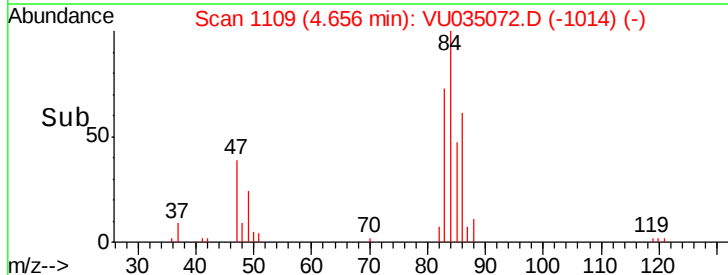
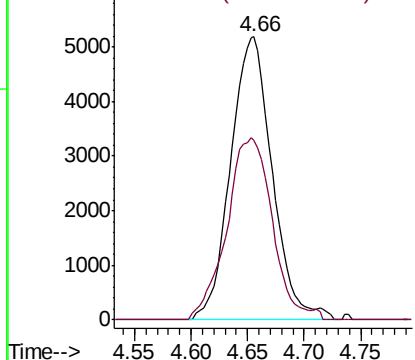


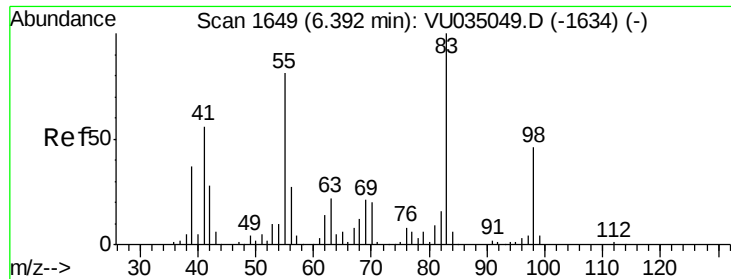
#25  
Chloroform  
Concen: 0.567 ug/L  
RT: 4.66 min Scan# 1109  
Delta R.T. 0.01 min  
Lab File: VU035072.D  
Acq: 11 Oct 2019 01:29

Tgt Ion: 83 Resp: 13289  
Ion Ratio Lower Upper  
83 100  
85 63.7 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU0  
Ion 85.00 (84.70 to 85.70): VU0





#35

Methylcyclohexane

Concen: 0.741 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035072.D

Acq: 11 Oct 2019 01:29

Instrument :

MSVOA\_U

ClientSampleId :

OU2-MW-6-001-01

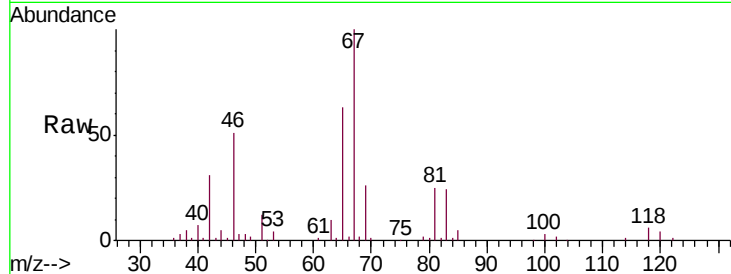
Tgt Ion: 83 Resp: 15012

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

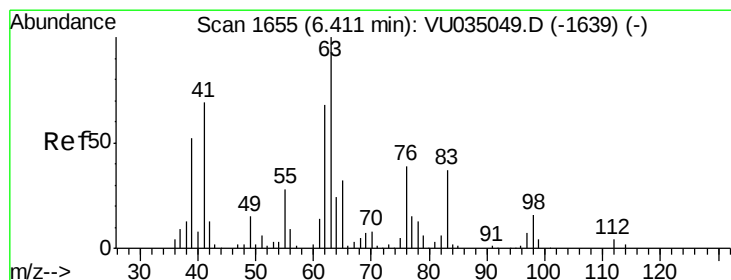
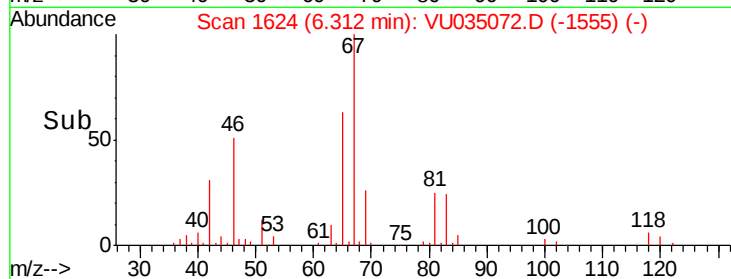
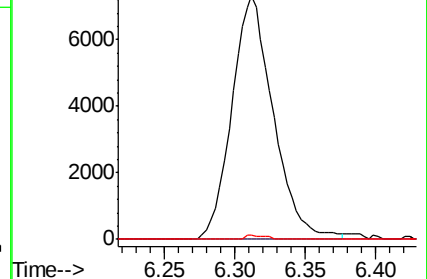
98 0.8 36.2 54.2#



Abundance Ion 83.15 (82.85 to 83.85): VU035049.D (-1634) (-)

Ion 55.10 (54.80 to 55.80): VU035049.D (-1634) (-)

Ion 98.15 (97.85 to 98.85): VU035049.D (-1634) (-)



#37

1,2-Dichloropropane

Concen: 0.550 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU035072.D

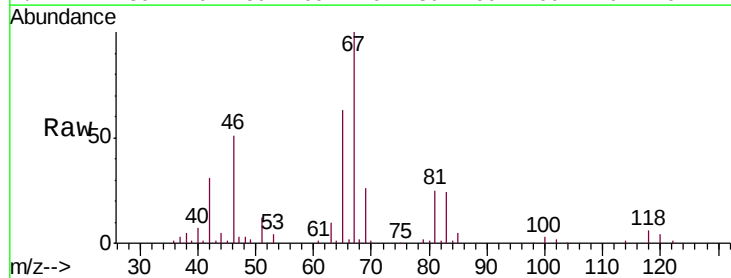
Acq: 11 Oct 2019 01:29

Tgt Ion: 63 Resp: 7197

Ion Ratio Lower Upper

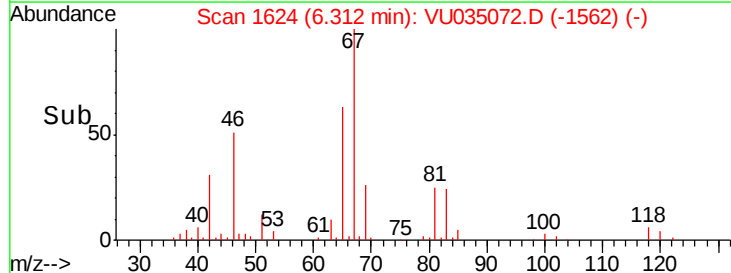
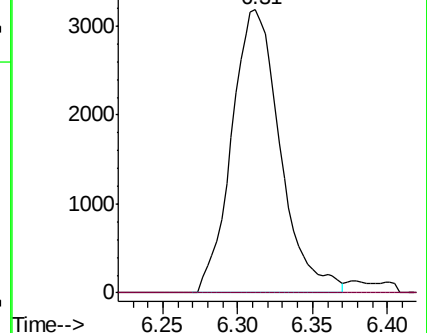
63 100

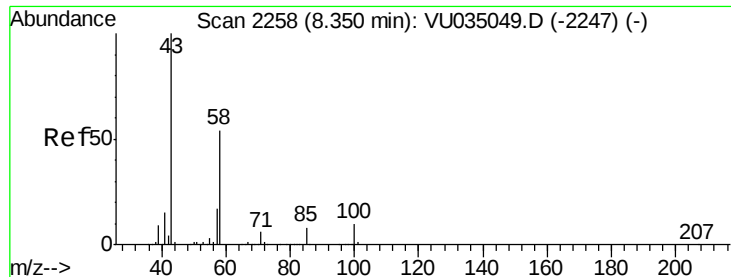
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035049.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VU035049.D (-1639) (-)

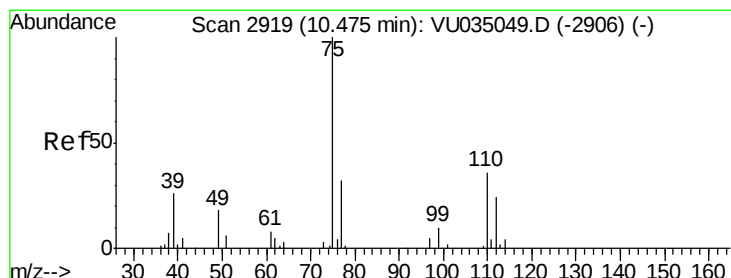
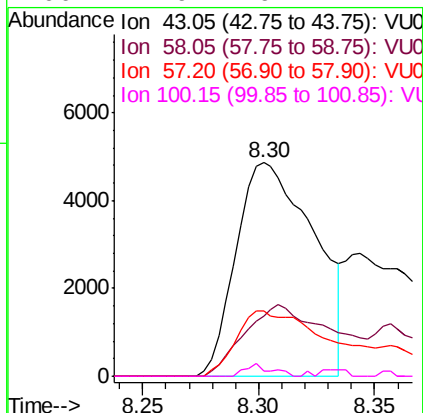
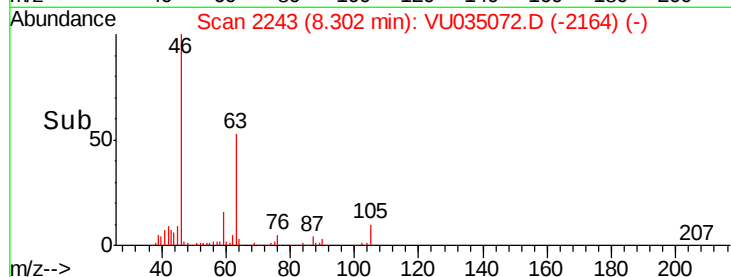
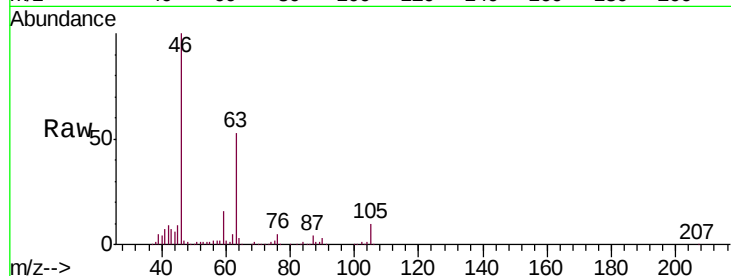




#48  
2-Hexanone  
Concen: 2.020 ug/L  
RT: 8.30 min Scan# 2243  
Delta R.T. -0.04 min  
Lab File: VU035072.D  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
OU2-MW-6-001-01

Tgt Ion: 43 Resp: 11395  
Ion Ratio Lower Upper  
43 100  
58 38.6 44.1 66.1#  
57 36.4 15.8 23.8#  
100 1.9 9.4 14.2#



#59  
1,2,3-Trichloropropane  
Concen: 0.893 ug/L  
RT: 11.47 min Scan# 3228  
Delta R.T. 1.00 min  
Lab File: VU035072.D  
Acq: 11 Oct 2019 01:29

Tgt Ion: 75 Resp: 7554  
Ion Ratio Lower Upper  
75 100  
77 36.7 26.5 39.7

