

Data File : VU032747.D  
Acq On : 15 Jun 2019 02:18  
Operator : JC/SP  
Sample : K3385-18  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
COM66

Quant Time: Jun 15 03:40:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jun 15 03:31:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 98660    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 92404    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 44884    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 25449    | 3.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 23555    | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 86.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 42931    | 3.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.00%  |
| 20) 2-Butanone-d5              | 4.18   | 46    | 100328   | 56.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.08% |
| 24) Chloroform-d               | 4.64   | 84    | 59868    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.20% |
| 26) 1,2-Dichloroethane-d4      | 5.30   | 65    | 34781    | 5.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 115.80% |
| 32) Benzene-d6                 | 5.33   | 84    | 111426   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 38499    | 5.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 108.80% |
| 41) Toluene-d8                 | 7.56   | 98    | 97585    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.80%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 14031    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.80%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 79421    | 52.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 33814    | 5.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 113.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 40315    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.80%  |

#### Target Compounds

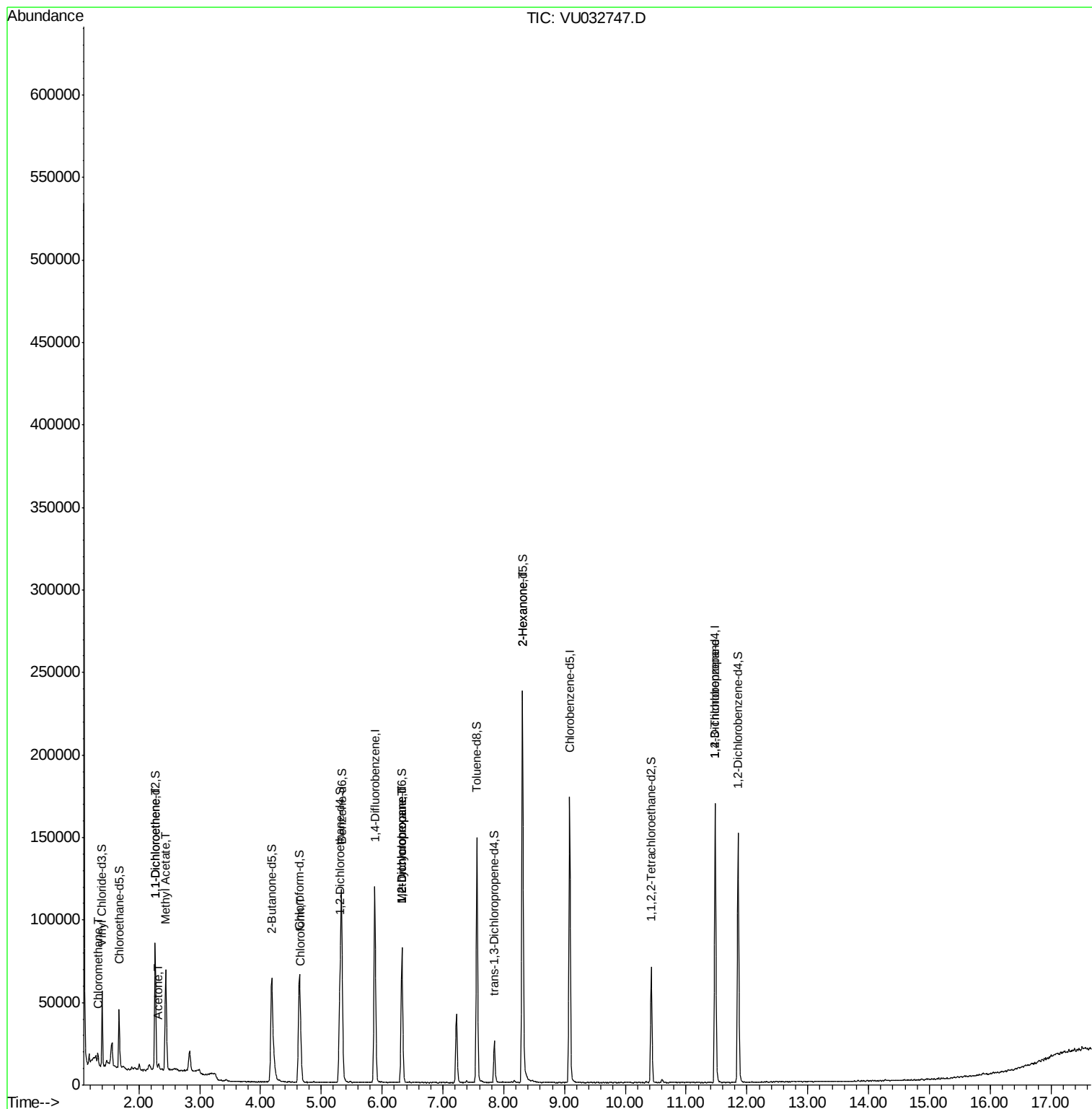
|                            |       |    |       |       |        | Qvalue |
|----------------------------|-------|----|-------|-------|--------|--------|
| 3) Chloromethane           | 1.33  | 50 | 4682  | 0.533 | ug/L   | 97     |
| 12) 1,1-Dichloroethene     | 2.27  | 96 | 1353  | 0.216 | ug/L # | 1      |
| 13) Acetone                | 2.32  | 43 | 3707  | 2.668 | ug/L   | 94     |
| 15) Methyl Acetate         | 2.44  | 43 | 15857 | 4.159 | ug/L # | 53     |
| 25) Chloroform             | 4.67  | 83 | 8991  | 0.727 | ug/L   | 91     |
| 35) Methylcyclohexane      | 6.32  | 83 | 8319  | 0.660 | ug/L # | 19     |
| 37) 1,2-Dichloropropane    | 6.32  | 63 | 4491  | 0.637 | ug/L # | 89     |
| 48) 2-Hexanone             | 8.31  | 43 | 9812  | 2.737 | ug/L # | 69     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 5683  | 1.228 | ug/L # | 86     |

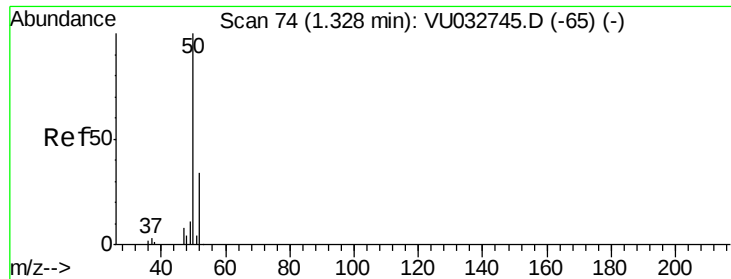
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.533 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU032747.D

Acq: 15 Jun 2019 02:18

Instrument :

MSVOA\_U

ClientSampleId :

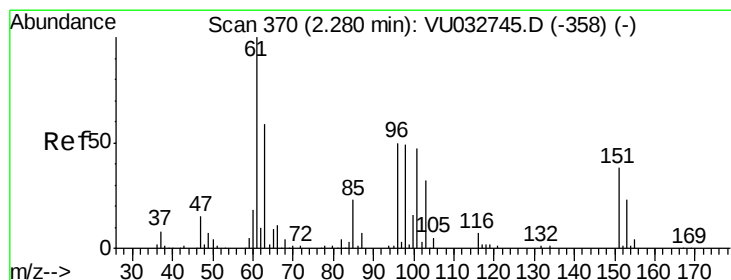
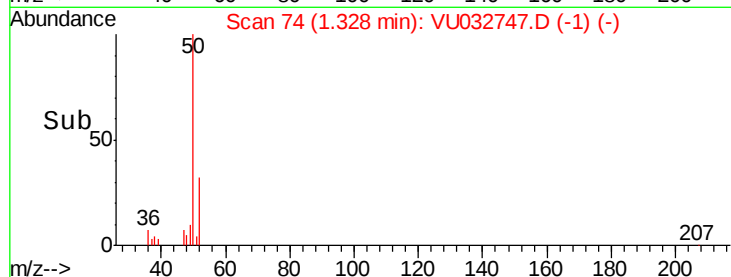
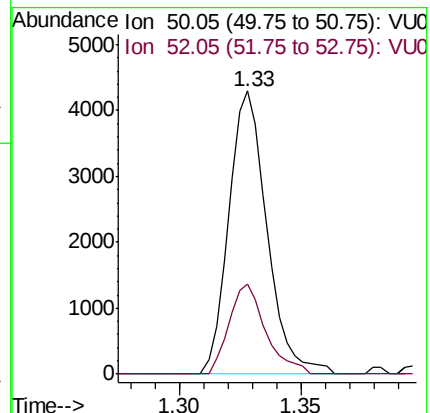
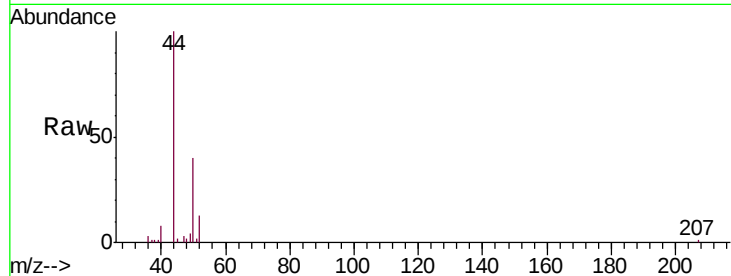
C0M66

Tgt Ion: 50 Resp: 4682

Ion Ratio Lower Upper

50 100

52 31.6 23.2 43.2



#12

1,1-Dichloroethene

Concen: 0.216 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032747.D

Acq: 15 Jun 2019 02:18

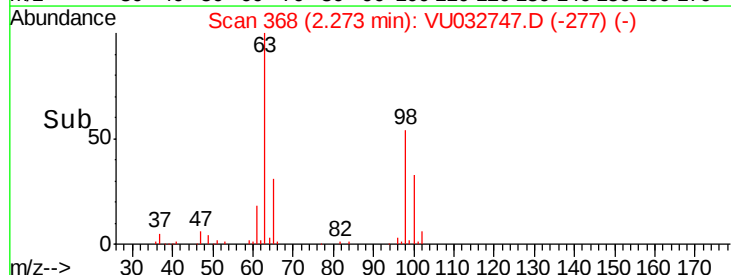
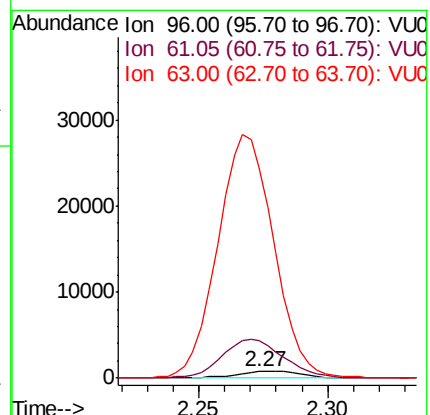
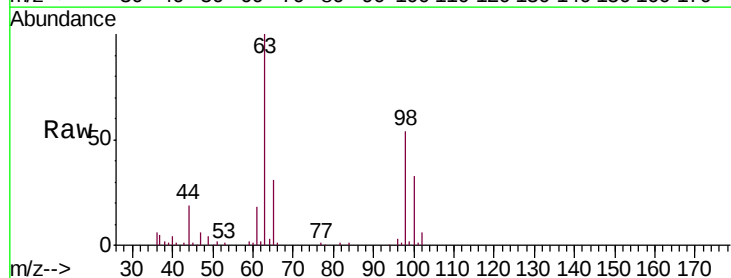
Tgt Ion: 96 Resp: 1353

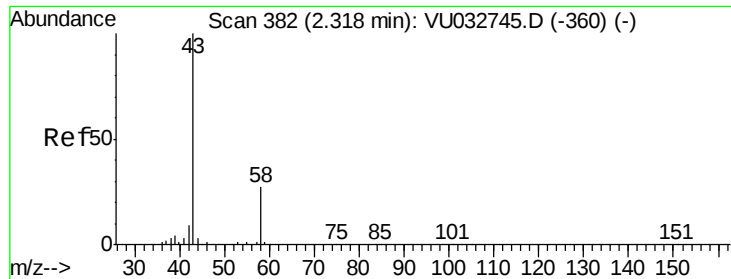
Ion Ratio Lower Upper

96 100

61 570.8 131.8 244.8#

63 3226.3 90.1 167.3#





#13

Acetone

Concen: 2.668 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032747.D

Acq: 15 Jun 2019 02:18

Instrument :

MSVOA\_U

ClientSampleId :

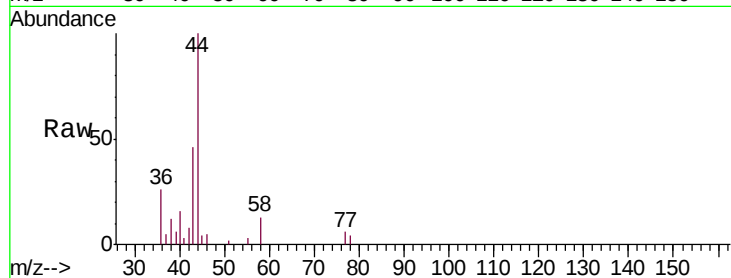
C0M66

Tgt Ion: 43 Resp: 3707

Ion Ratio Lower Upper

43 100

58 27.1 0.0 60.8



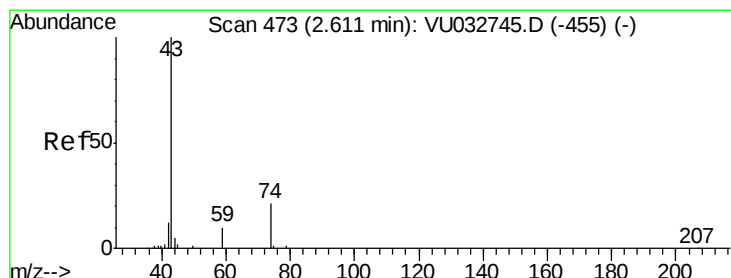
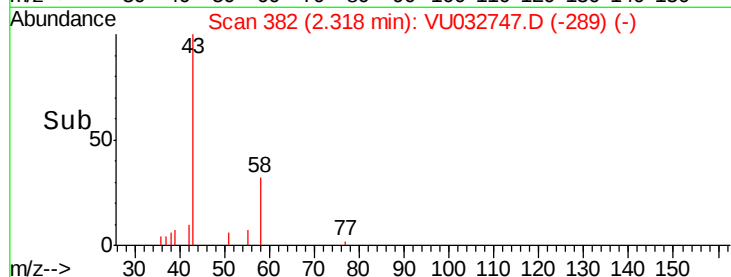
Abundance Ion 43.05 (42.75 to 43.75): VU032747.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU032747.D (-360) (-)

2.32

2.30 2.35 2.40

Time-->



#15

Methyl Acetate

Concen: 4.159 ug/L

RT: 2.44 min Scan# 420

Delta R.T. -0.17 min

Lab File: VU032747.D

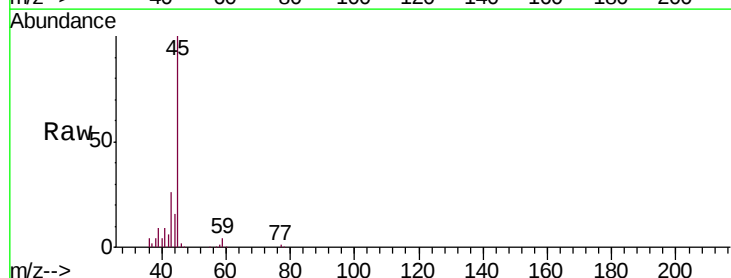
Acq: 15 Jun 2019 02:18

Tgt Ion: 43 Resp: 15857

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



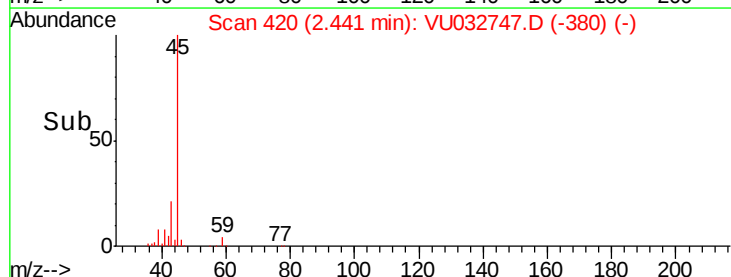
Abundance Ion 43.05 (42.75 to 43.75): VU032747.D (-455) (-)

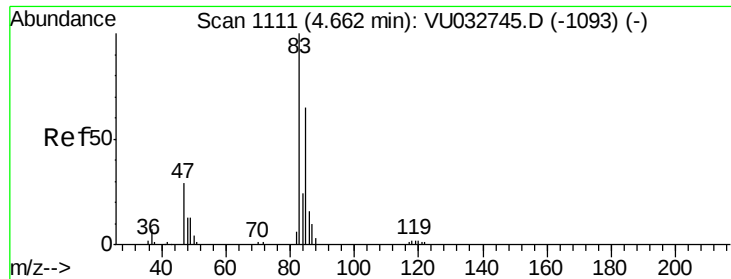
Ion 74.05 (73.75 to 74.75): VU032747.D (-455) (-)

2.44

2.40 2.45 2.50

Time-->

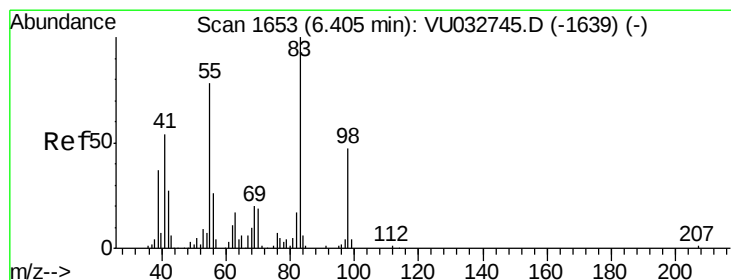
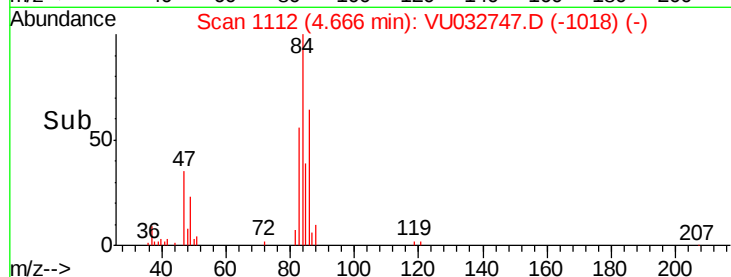
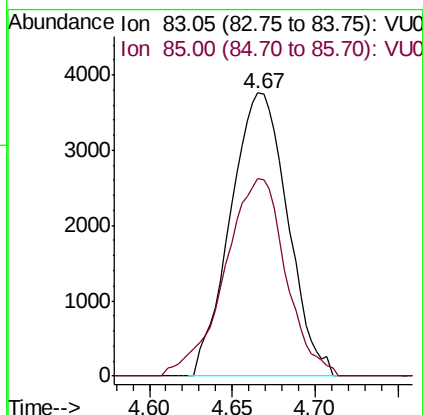
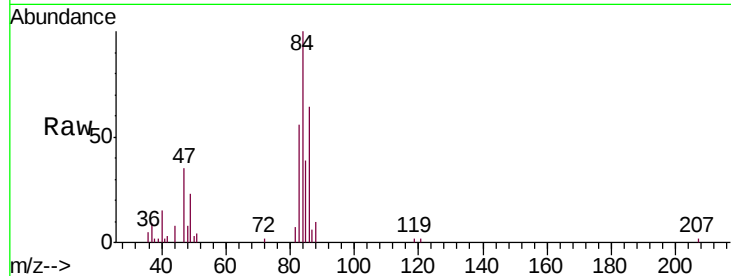




#25  
Chloroform  
Concen: 0.727 ug/L  
RT: 4.67 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: VU032747.D  
Acq: 15 Jun 2019 02:18

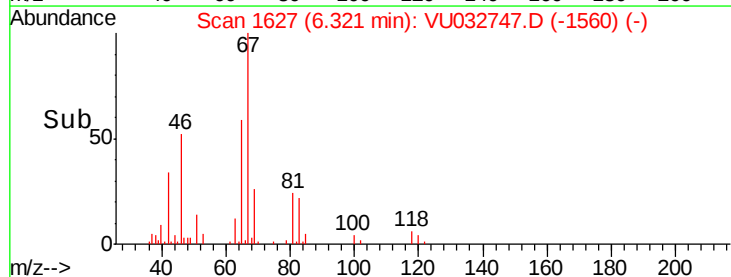
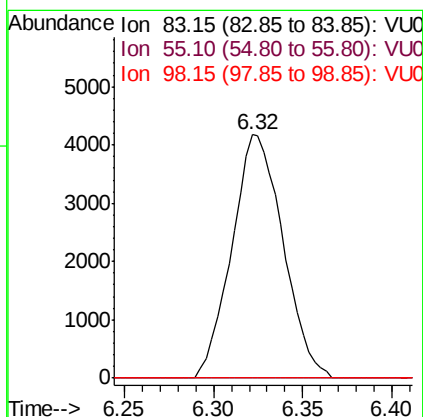
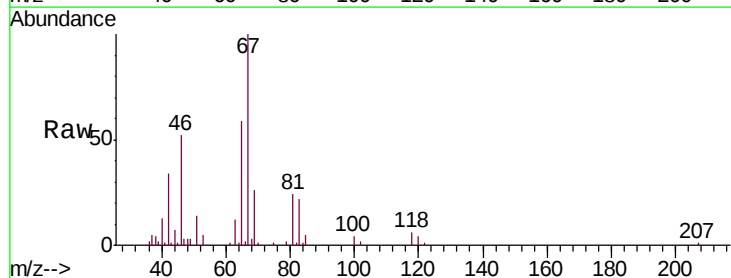
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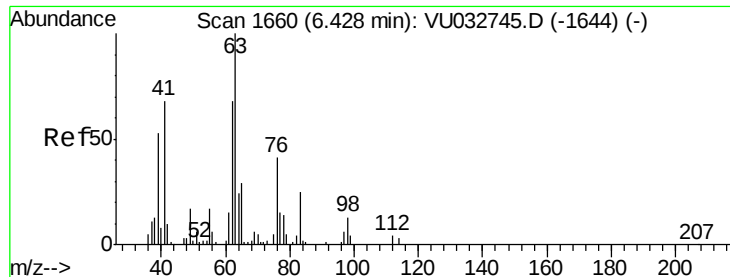
Tgt Ion: 83 Resp: 8991  
Ion Ratio Lower Upper  
83 100  
85 69.7 43.8 81.3



#35  
Methylcyclohexane  
Concen: 0.660 ug/L  
RT: 6.32 min Scan# 1627  
Delta R.T. -0.08 min  
Lab File: VU032747.D  
Acq: 15 Jun 2019 02:18

Tgt Ion: 83 Resp: 8319  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.0 90.0#  
98 0.0 37.8 56.8#





#37

1,2-Dichloropropane

Concen: 0.637 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.11 min

Lab File: VU032747.D

Acq: 15 Jun 2019 02:18

Instrument :

MSVOA\_U

ClientSampleId :

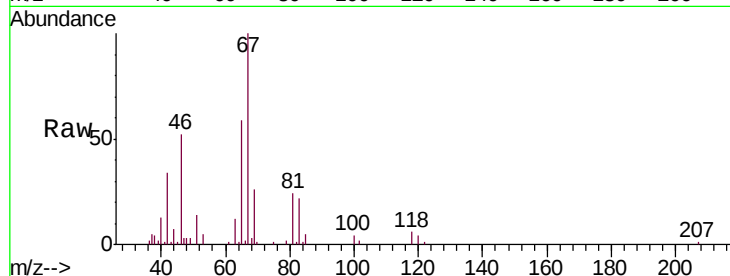
C0M66

Tgt Ion: 63 Resp: 4491

Ion Ratio Lower Upper

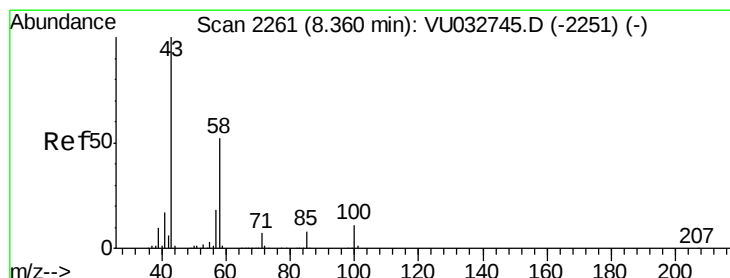
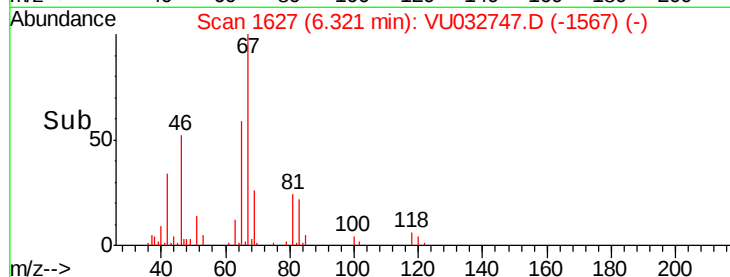
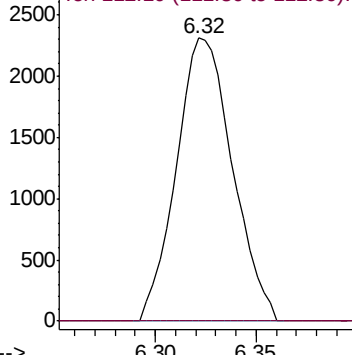
63 100

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



#48

2-Hexanone

Concen: 2.737 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU032747.D

Acq: 15 Jun 2019 02:18

Tgt Ion: 43 Resp: 9812

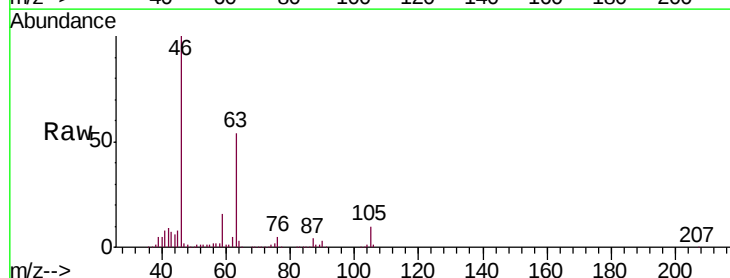
Ion Ratio Lower Upper

43 100

58 26.7 41.9 62.9#

57 26.1 15.1 22.7#

100 0.0 9.0 13.6#

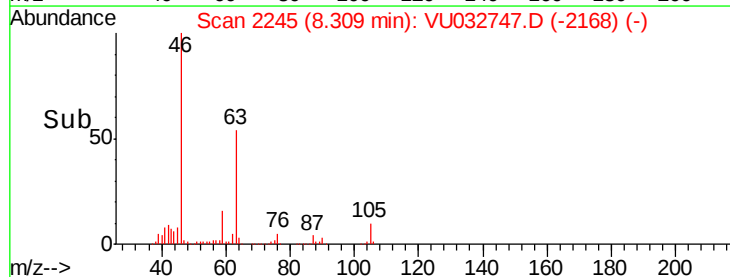
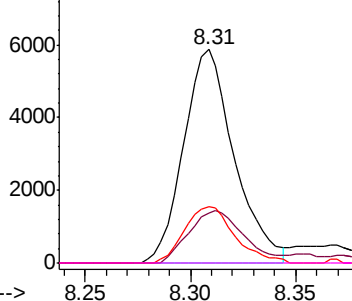


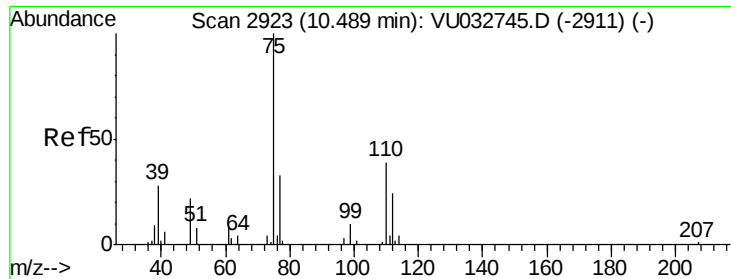
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.228 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032747.D

Acq: 15 Jun 2019 02:18

Instrument :

MSVOA\_U

ClientSampleId :

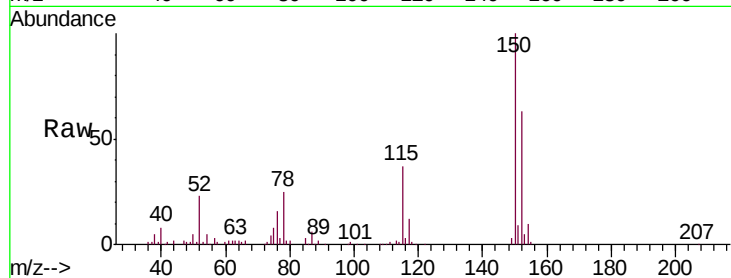
C0M66

Tgt Ion: 75 Resp: 5683

Ion Ratio Lower Upper

75 100

77 39.4 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

