

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU060319\  
 Data File : VU032405.D  
 Acq On : 03 Jun 2019 20:11  
 Operator : JC/SP  
 Sample : K2889-15  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0BN2

Quant Time: Jun 04 08:59:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jun 04 08:55:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 98490    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 91007    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 41338    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 38151    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.60%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 35086    | 3.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 70.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 63048    | 2.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 58.40%# |
| 20) 2-Butanone-d5              | 4.18   | 46    | 92156    | 42.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 85.68%  |
| 24) Chloroform-d               | 4.64   | 84    | 65071    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.30   | 65    | 39148    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.80% |
| 32) Benzene-d6                 | 5.33   | 84    | 129537   | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.60% |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 43664    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.60% |
| 41) Toluene-d8                 | 7.56   | 98    | 118749   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 17393    | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.00%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 74993    | 43.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 34615    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 40384    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.80% |

## Target Compounds

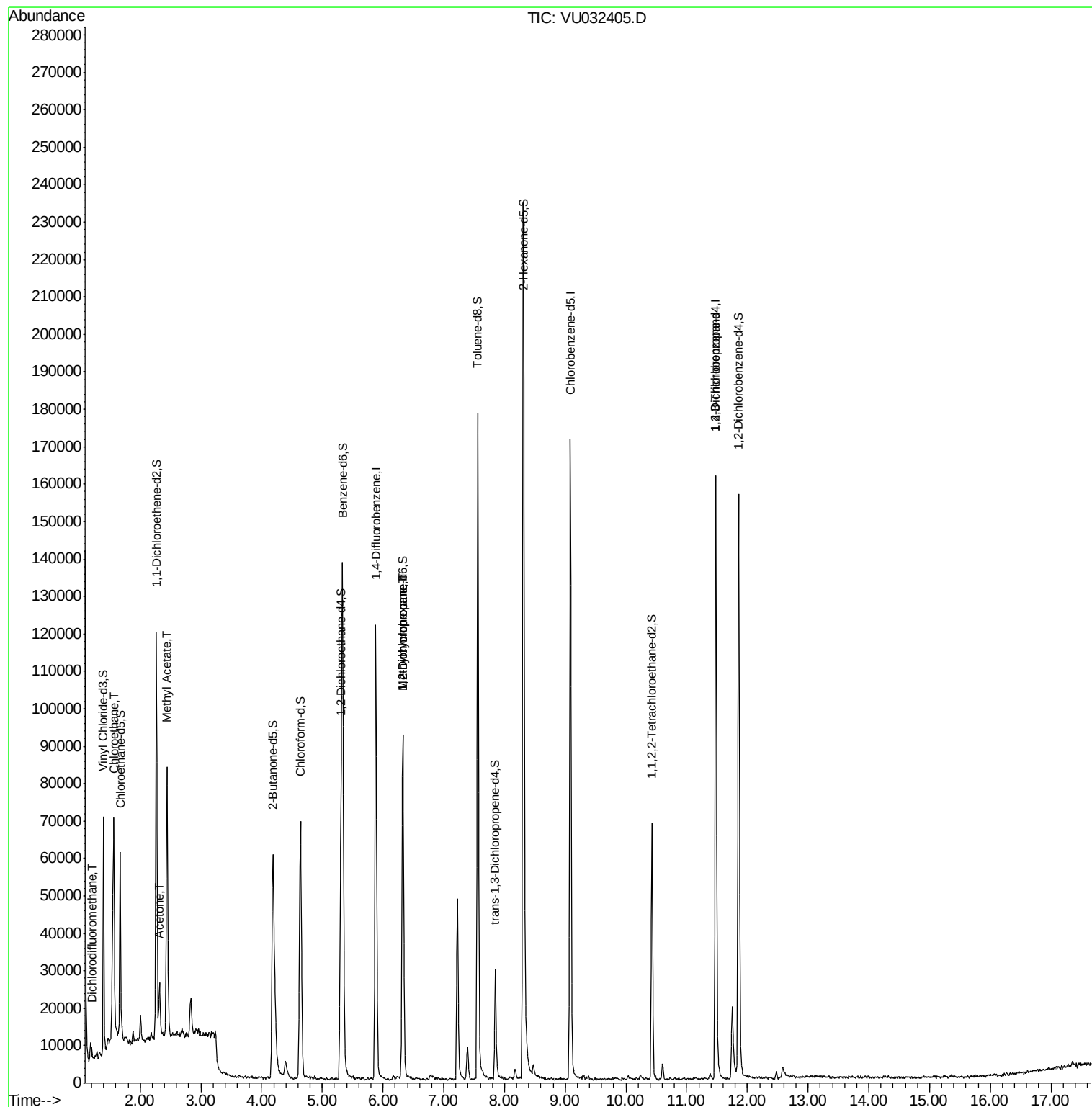
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 2) Dichlorodifluoromethane | 1.20  | 85 | 2454  | 0.147 ug/L   | 100    |
| 8) Chloroethane            | 1.57  | 64 | 1463  | 0.091 ug/L   | 94     |
| 13) Acetone                | 2.32  | 43 | 14935 | 4.156 ug/L   | 98     |
| 15) Methyl Acetate         | 2.44  | 43 | 17269 | 2.005 ug/L # | 55     |
| 35) Methylcyclohexane      | 6.32  | 83 | 9879  | 0.411 ug/L # | 19     |
| 37) 1,2-Dichloropropane    | 6.32  | 63 | 5058  | 0.350 ug/L # | 90     |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 5301  | 0.564 ug/L # | 84     |

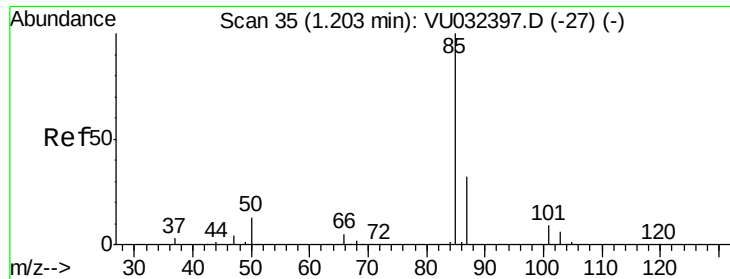
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 04 08:55:15 2019  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.147 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032405.D

Acq: 03 Jun 2019 20:11

Instrument :

MSVOA\_U

ClientSampleId :

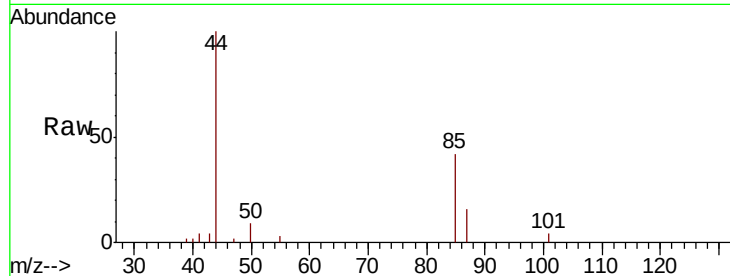
C0BN2

Tgt Ion: 85 Resp: 2454

Ion Ratio Lower Upper

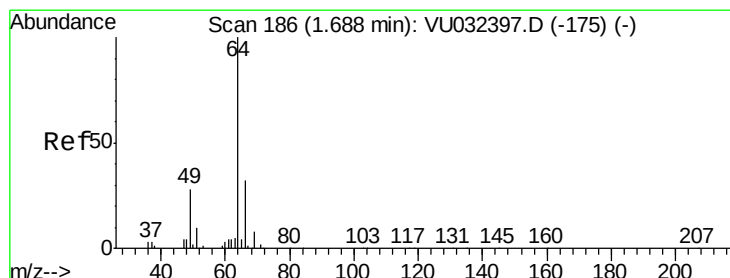
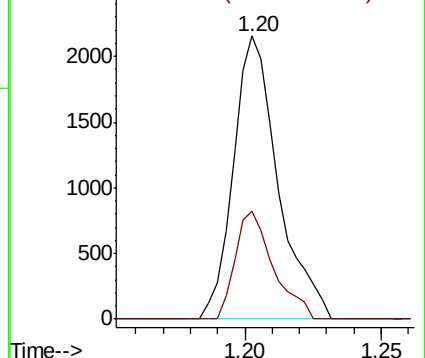
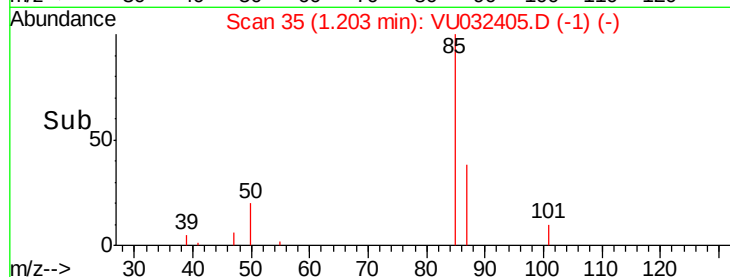
85 100

87 32.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032405.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU032405.D (-1) (-)



#8

Chloroethane

Concen: 0.091 ug/L

RT: 1.57 min Scan# 148

Delta R.T. -0.12 min

Lab File: VU032405.D

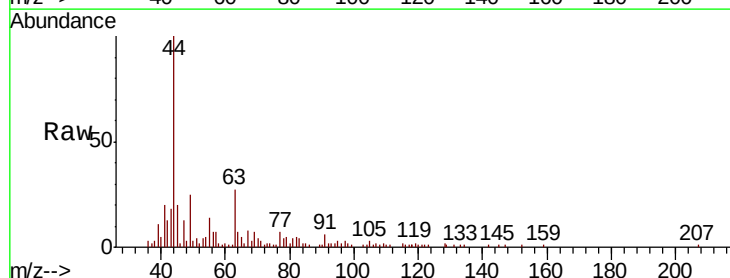
Acq: 03 Jun 2019 20:11

Tgt Ion: 64 Resp: 1463

Ion Ratio Lower Upper

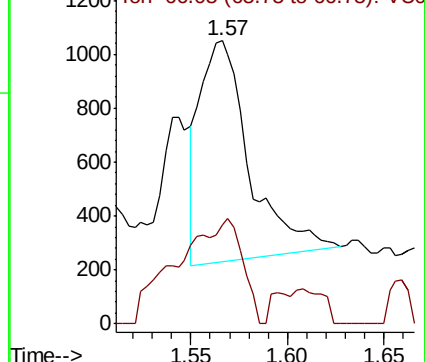
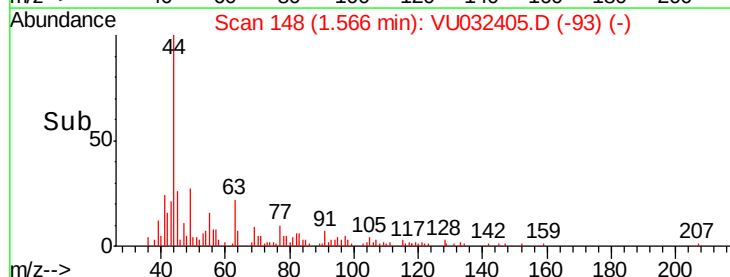
64 100

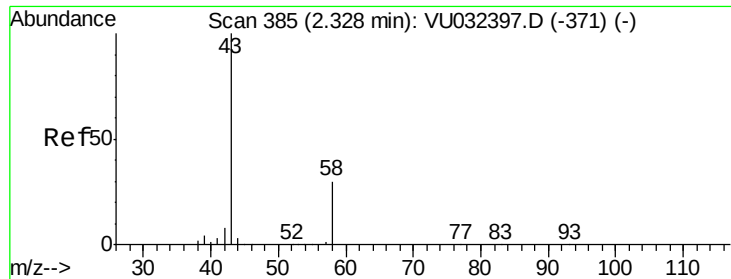
66 35.0 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU032405.D (-93) (-)

Ion 66.05 (65.75 to 66.75): VU032405.D (-93) (-)





#13

Acetone

Concen: 4.156 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU032405.D

Acq: 03 Jun 2019 20:11

Instrument :

MSVOA\_U

ClientSampleId :

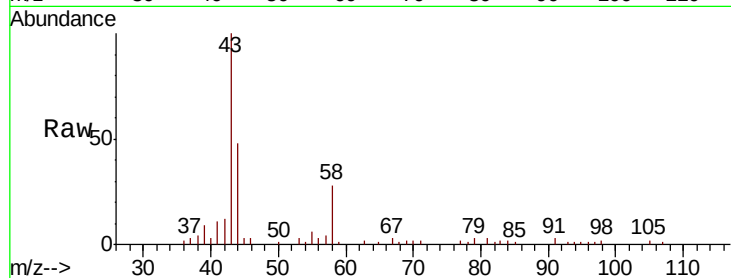
C0BN2

Tgt Ion: 43 Resp: 14935

Ion Ratio Lower Upper

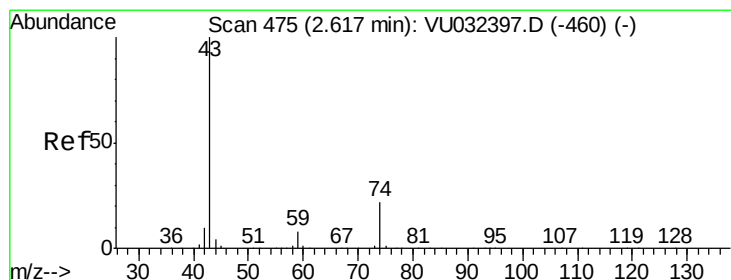
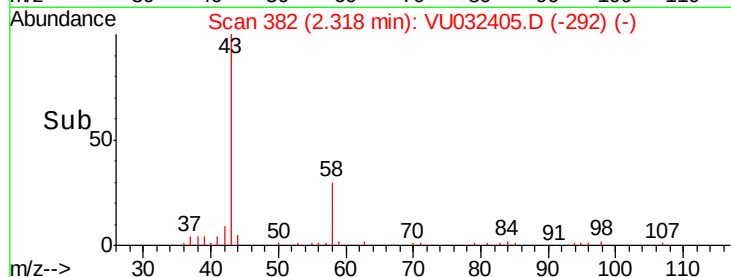
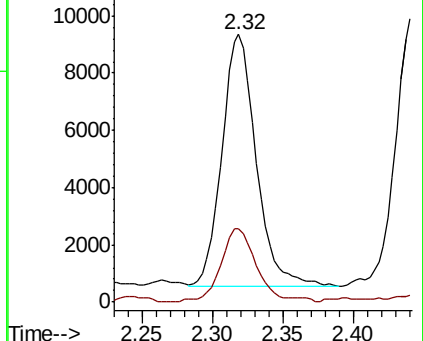
43 100

58 29.7 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VU032397.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU032397.D (-371) (-)



#15

Methyl Acetate

Concen: 2.005 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.17 min

Lab File: VU032405.D

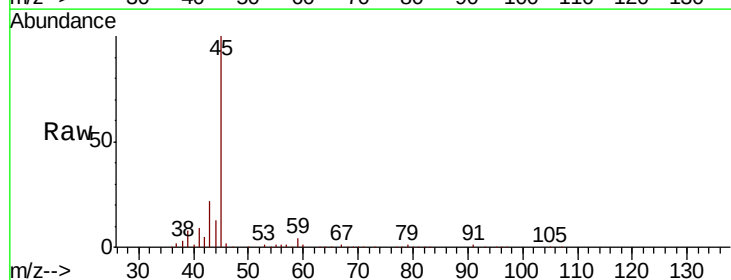
Acq: 03 Jun 2019 20:11

Tgt Ion: 43 Resp: 17269

Ion Ratio Lower Upper

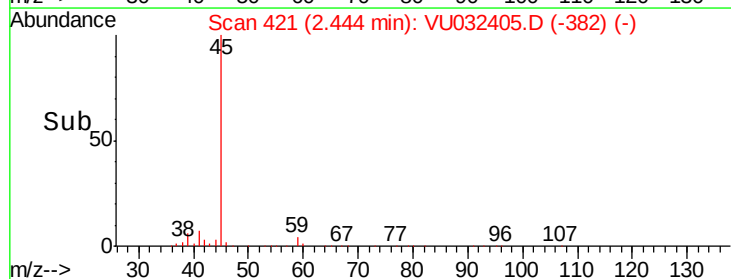
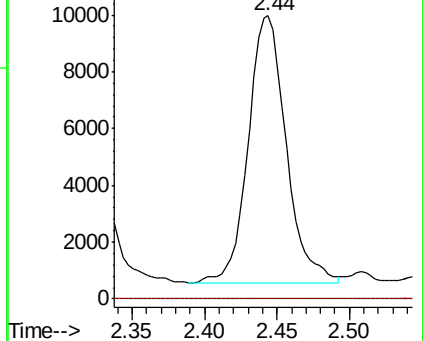
43 100

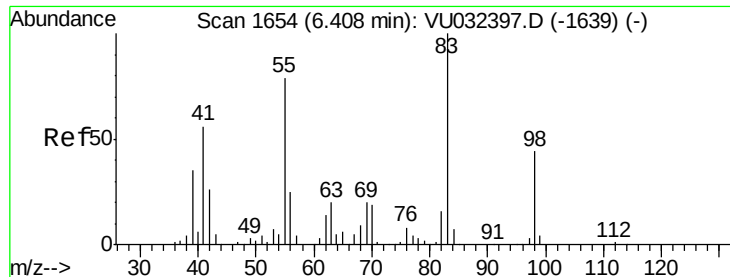
74 0.5 17.7 26.5#



Abundance Ion 43.05 (42.75 to 43.75): VU032397.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU032397.D (-460) (-)

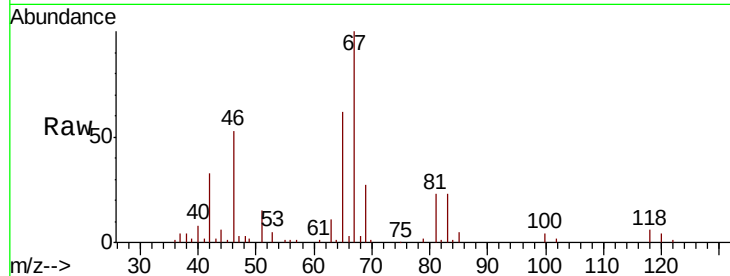




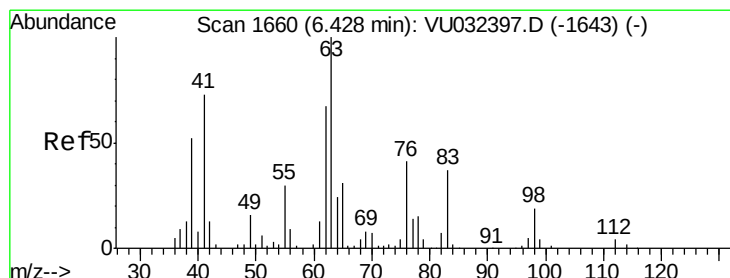
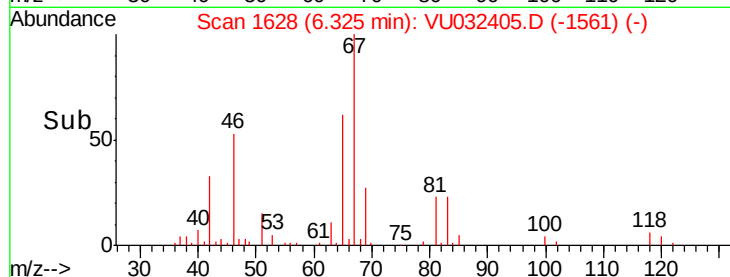
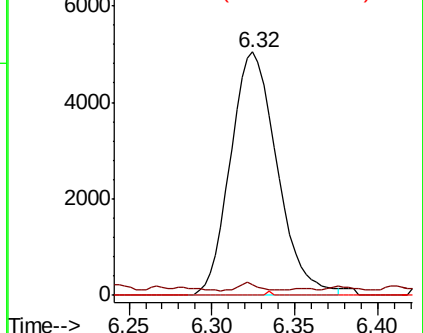
#35  
Methylcyclohexane  
Concen: 0.411 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.08 min  
Lab File: VU032405.D  
Acq: 03 Jun 2019 20:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0BN2

Tgt Ion: 83 Resp: 9879  
Ion Ratio Lower Upper  
83 100  
55 2.8 64.7 97.1#  
98 0.2 35.9 53.9#

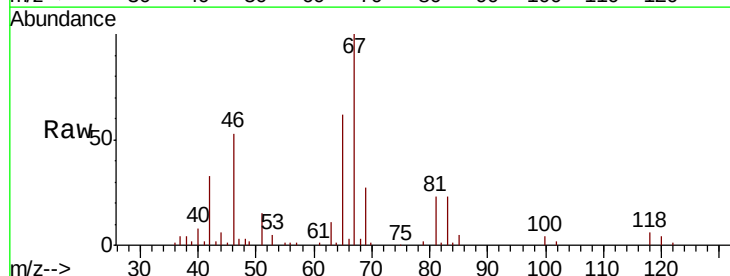


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

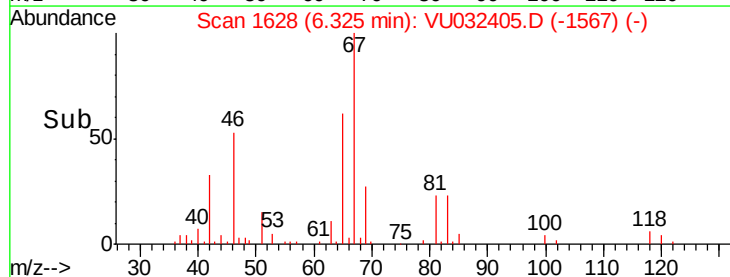
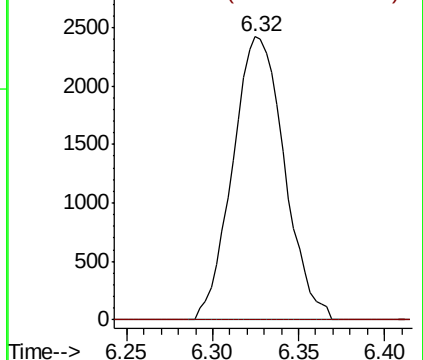


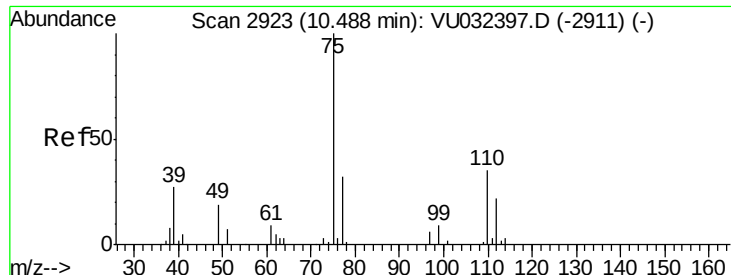
#37  
1,2-Dichloropropane  
Concen: 0.350 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.10 min  
Lab File: VU032405.D  
Acq: 03 Jun 2019 20:11

Tgt Ion: 63 Resp: 5058  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.6 4.0#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V





#59

1,2,3-Trichloropropane

Concen: 0.564 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032405.D

Acq: 03 Jun 2019 20:11

Instrument :

MSVOA\_U

ClientSampleId :

C0BN2

Tgt Ion: 75 Resp: 5301

Ion Ratio Lower Upper

75 100

77 41.5 26.1 39.1#

