

Data File : VU030229.D  
Acq On : 20 Mar 2019 17:52  
Operator : JC/SP  
Sample : K1967-19  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0972

Quant Time: Mar 22 01:30:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 22 01:27:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 524739   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 510053   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 236409   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 151635   | 42.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.48%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 128502   | 45.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.58%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 212062   | 32.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.52%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 272370   | 103.47   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 103.47% |
| 24) Chloroform-d               | 4.65    | 84    | 299307   | 45.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 182083   | 49.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.06%  |
| 32) Benzene-d6                 | 5.34    | 84    | 634406   | 47.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 204390   | 49.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.30%  |
| 41) Toluene-d8                 | 7.56    | 98    | 582813   | 46.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.24%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 93782    | 46.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.62%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 223471   | 103.62   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.62% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 310778   | 48.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.44%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 234917   | 49.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.98%  |

#### Target Compounds

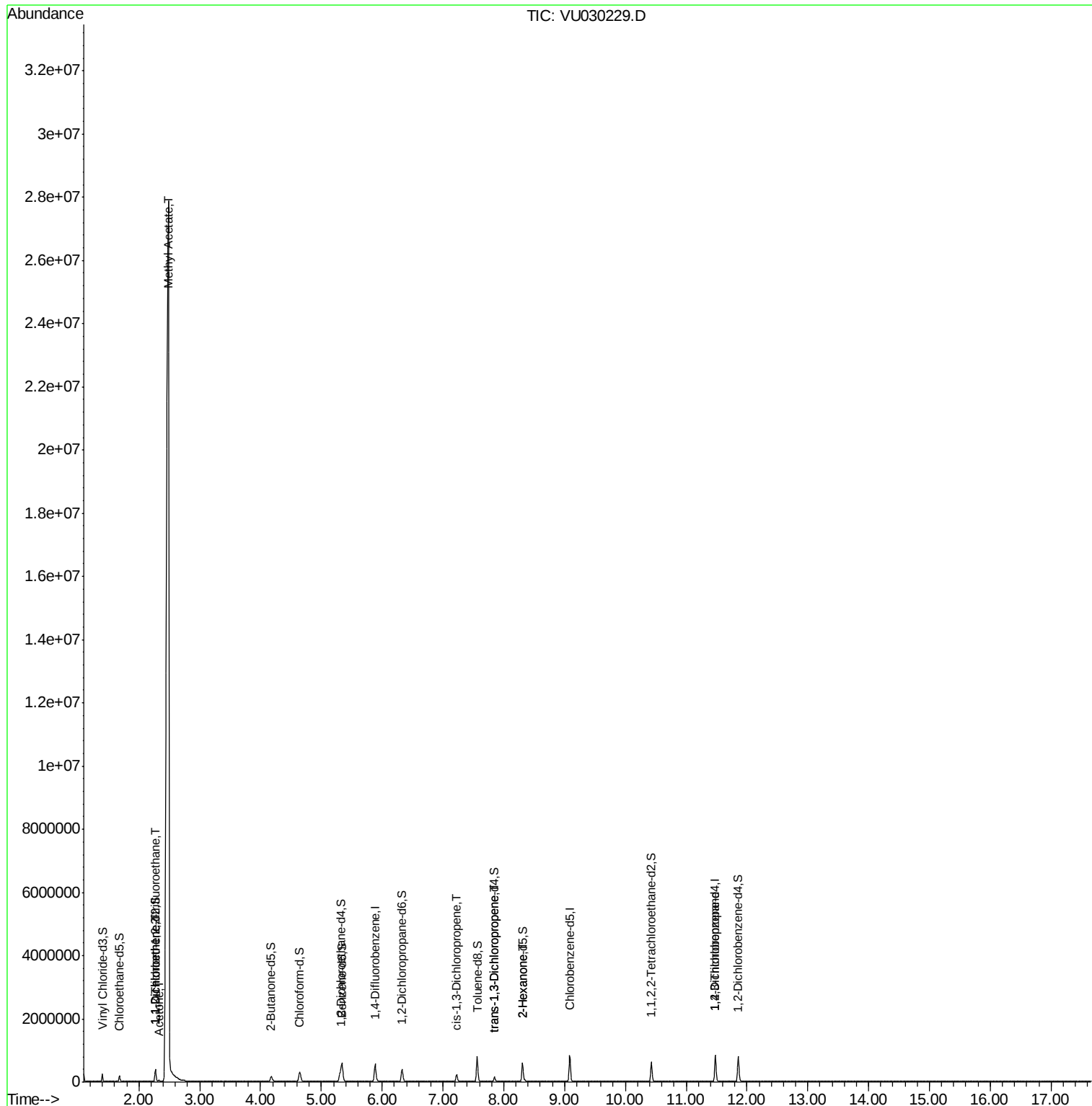
|                                |       |     |          |          |        | Qvalue |
|--------------------------------|-------|-----|----------|----------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2268     | 0.643    | ug/L # | 18     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 1939     | 0.554    | ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 44390    | 16.138   | ug/L   | 97     |
| 15) Methyl Acetate             | 2.49  | 43  | 10515688 | 2628.991 | ug/L # | 49     |
| 39) cis-1,3-Dichloropropene    | 7.22  | 75  | 4963     | 0.821    | ug/L   | 85     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3467     | 0.663    | ug/L # | 76     |
| 48) 2-Hexanone                 | 8.31  | 43  | 21054    | 4.897    | ug/L # | 66     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 25050    | 4.918    | ug/L   | 96     |

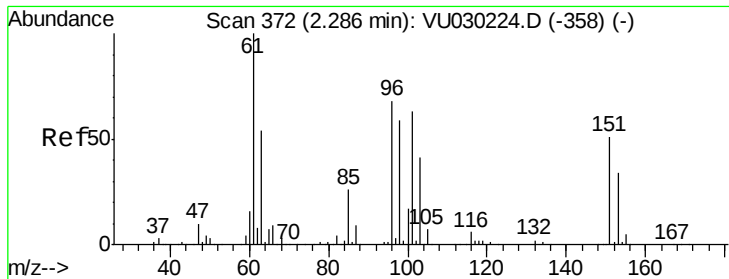
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.643 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030229.D

Acq: 20 Mar 2019 17:52

Instrument :

MSVOA\_U

ClientSampleId :

C0972

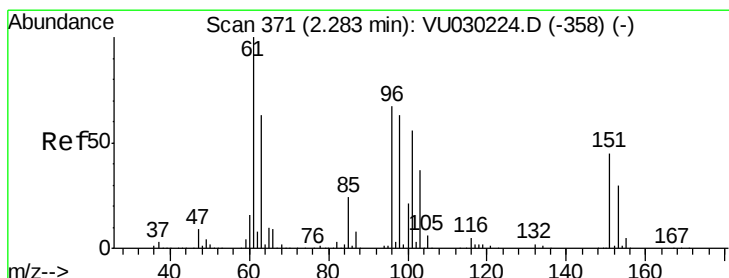
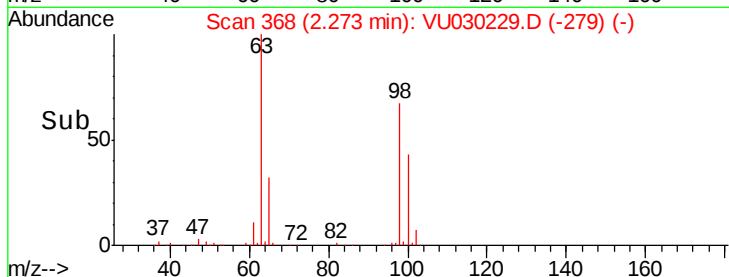
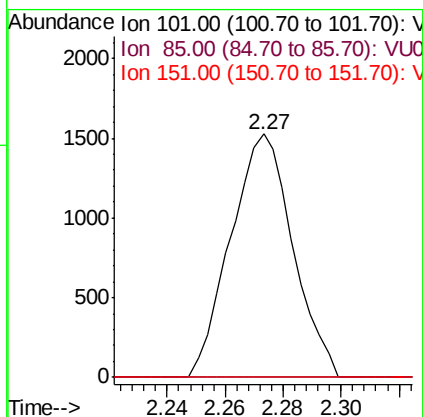
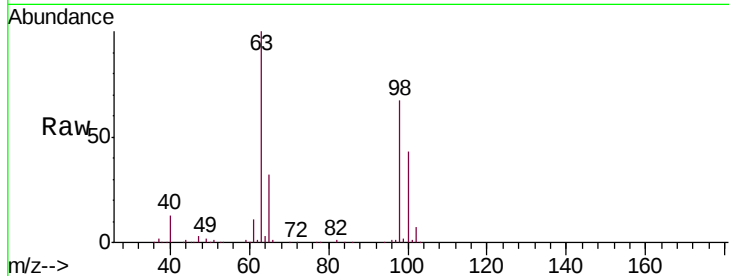
Tgt Ion: 101 Resp: 2268

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 0.0 64.7 97.1#



#12

1,1-Dichloroethene

Concen: 0.554 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030229.D

Acq: 20 Mar 2019 17:52

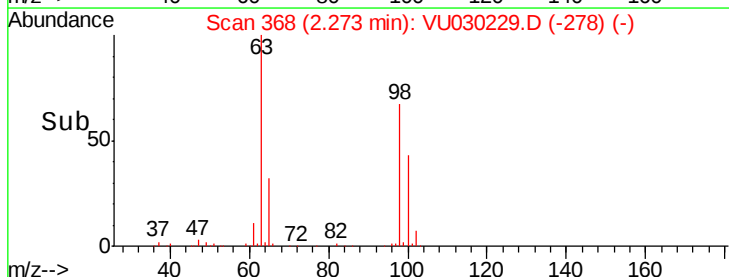
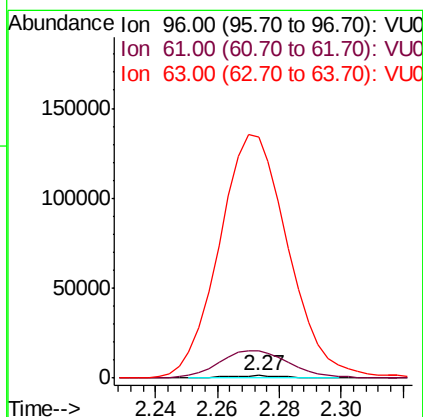
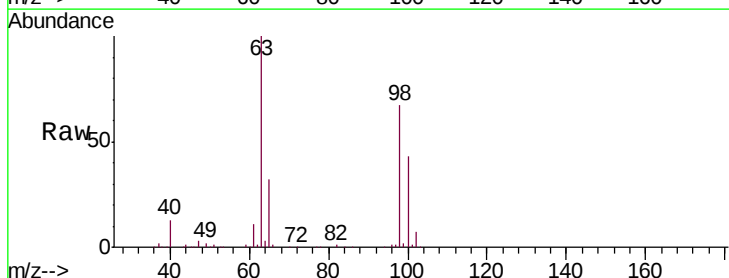
Tgt Ion: 96 Resp: 1939

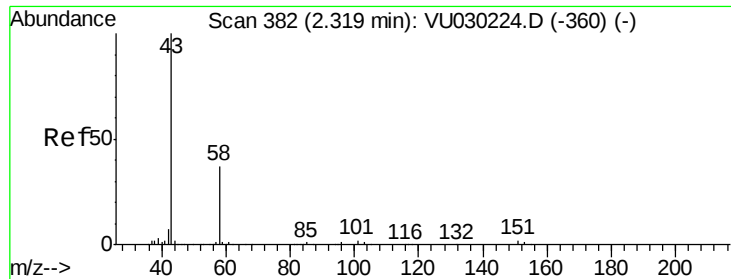
Ion Ratio Lower Upper

96 100

61 1174.1 104.6 194.2#

63 10284.1 77.2 143.4#





#13

Acetone

Concen: 16.138 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030229.D

Acq: 20 Mar 2019 17:52

Instrument :

MSVOA\_U

ClientSampled :

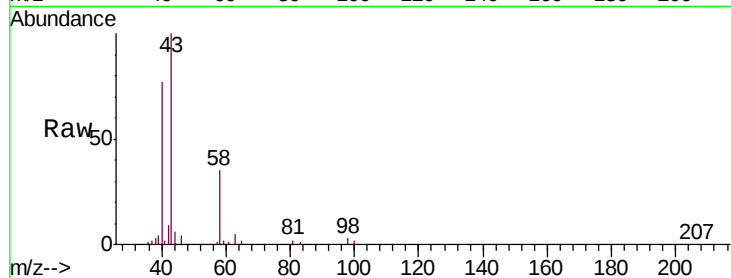
C0972

Tgt Ion: 43 Resp: 44390

Ion Ratio Lower Upper

43 100

58 35.0 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU030229.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU030229.D (-289) (-)

500000

400000

300000

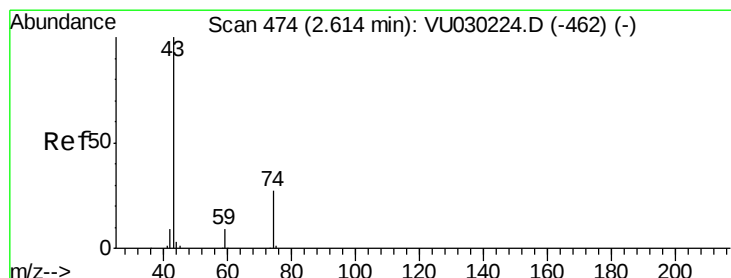
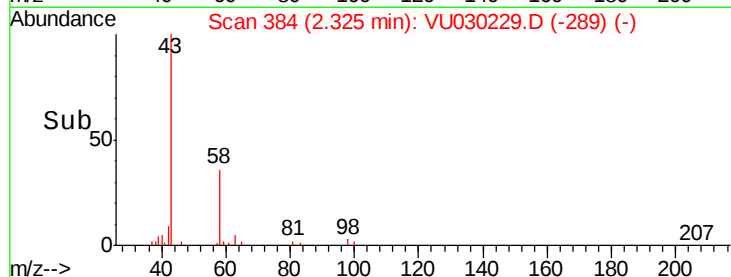
200000

100000

0

2.25 2.30 2.35 2.40

Time-->



#15

Methyl Acetate

Concen: 2628.991 ug/L

RT: 2.49 min Scan# 434

Delta R.T. -0.13 min

Lab File: VU030229.D

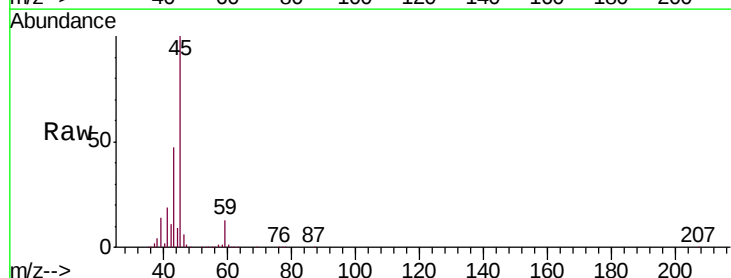
Acq: 20 Mar 2019 17:52

Tgt Ion: 43 Resp:10515688

Ion Ratio Lower Upper

43 100

74 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VU030229.D (-381) (-)

Ion 74.00 (73.70 to 74.70): VU030229.D (-381) (-)

4000000

3000000

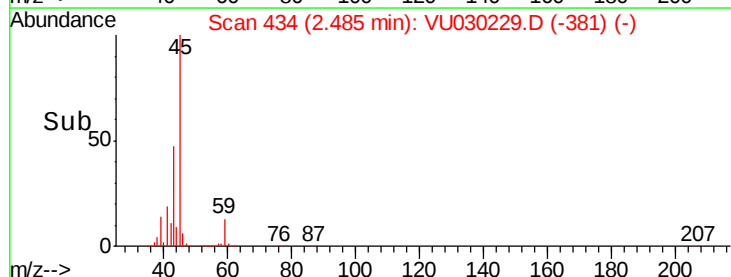
2000000

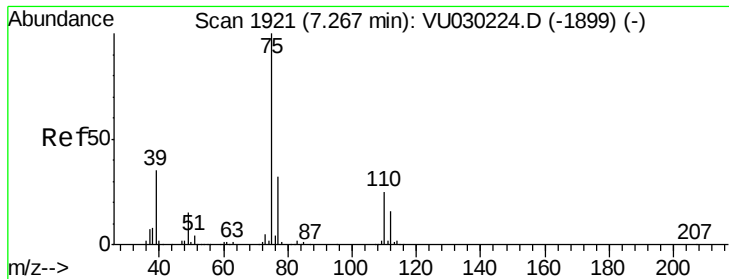
1000000

0

2.40 2.45 2.50 2.55 2.60 2.65 2.70 2.75 2.80

Time-->

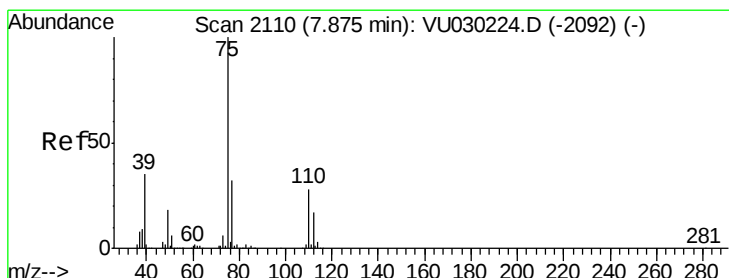
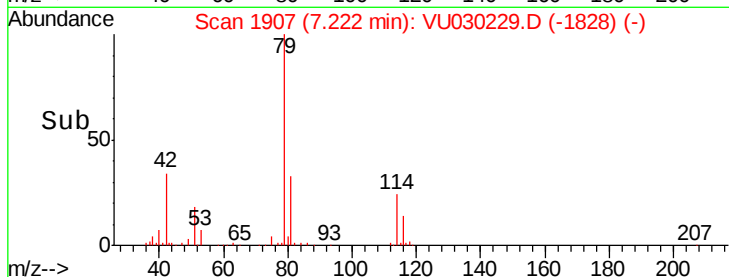
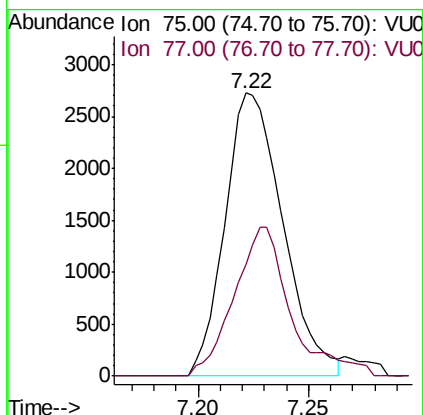
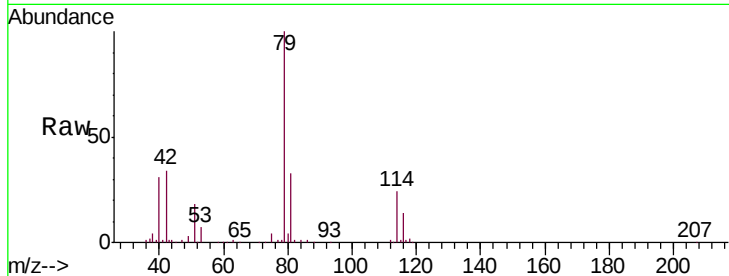




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.821 ug/L  
 RT: 7.22 min Scan# 1907  
 Delta R.T. -0.05 min  
 Lab File: VU030229.D  
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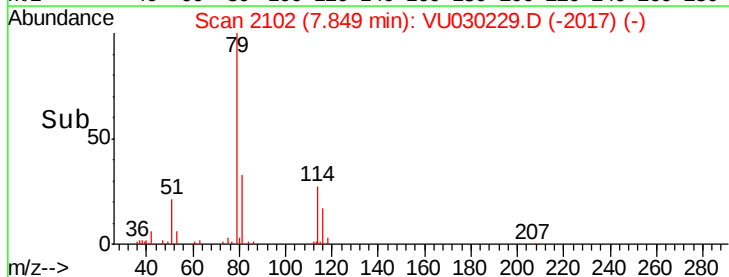
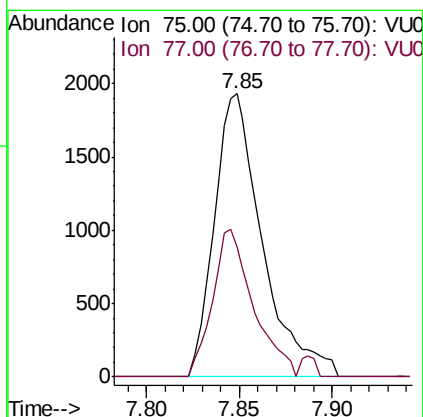
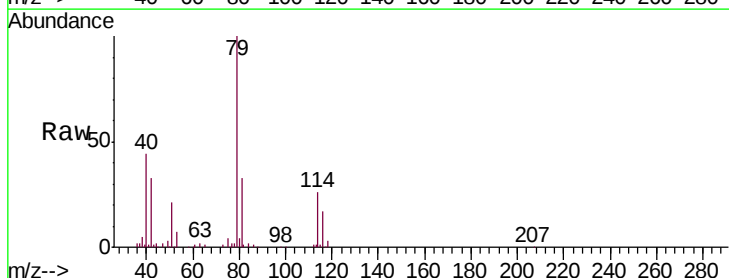
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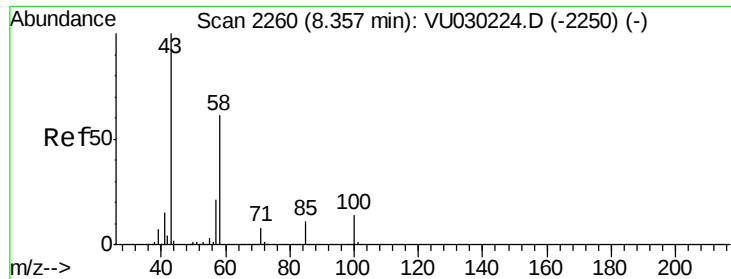
Tgt Ion: 75 Resp: 4963  
 Ion Ratio Lower Upper  
 75 100  
 77 39.7 22.1 41.1



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.663 ug/L  
 RT: 7.85 min Scan# 2102  
 Delta R.T. -0.03 min  
 Lab File: VU030229.D  
 Acq: 20 Mar 2019 17:52

Tgt Ion: 75 Resp: 3467  
 Ion Ratio Lower Upper  
 75 100  
 77 45.9 22.7 42.1#

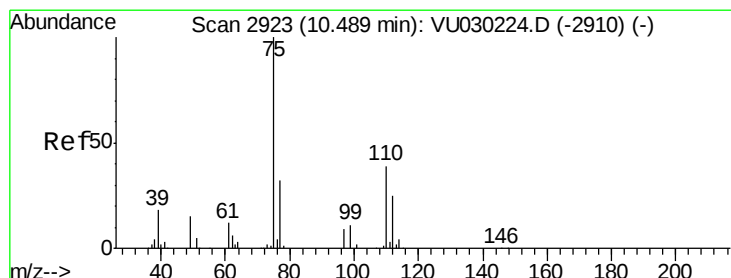
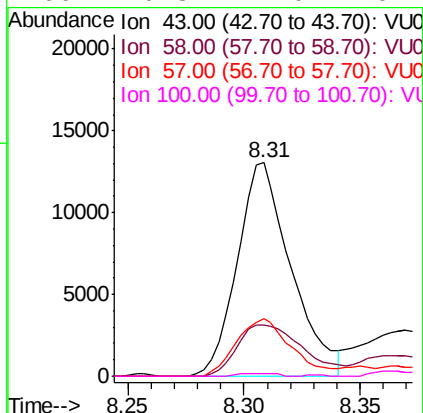
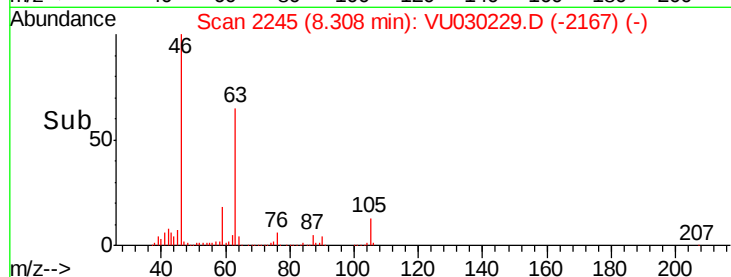
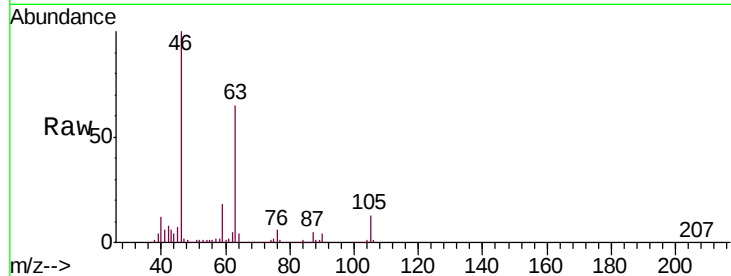




#48  
2-Hexanone  
Concen: 4.897 ug/L  
RT: 8.31 min Scan# 2245  
Delta R.T. -0.05 min  
Lab File: VU030229.D  
Acq: 20 Mar 2019 17:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0972

Tgt Ion: 43 Resp: 21054  
Ion Ratio Lower Upper  
43 100  
58 29.7 49.3 73.9#  
57 27.6 17.0 25.4#  
100 0.8 11.0 16.4#



#59  
1,2,3-Trichloropropane  
Concen: 4.918 ug/L  
RT: 11.48 min Scan# 3231  
Delta R.T. 0.99 min  
Lab File: VU030229.D  
Acq: 20 Mar 2019 17:52

Tgt Ion: 75 Resp: 25050  
Ion Ratio Lower Upper  
75 100  
77 34.6 25.8 38.8

