

Data File : VU030226.D  
Acq On : 20 Mar 2019 16:43  
Operator : JC/SP  
Sample : VU0320MBL02  
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK43

Quant Time: Mar 22 01:30:25 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  | 483066   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 472935   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 221640   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 163108   | 49.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.86%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 136526   | 52.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 104.54% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 226576   | 38.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.04%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 257358   | 106.20   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.20% |
| 24) Chloroform-d               | 4.65    | 84    | 303935   | 50.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.40% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 184707   | 54.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.04% |
| 32) Benzene-d6                 | 5.34    | 84    | 661593   | 53.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.18% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 207265   | 53.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.50% |
| 41) Toluene-d8                 | 7.56    | 98    | 593697   | 50.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.32% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 88294    | 47.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.04%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 215774   | 107.90   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 107.90% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 308233   | 52.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.22% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 240537   | 54.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.10% |

#### Target Compounds

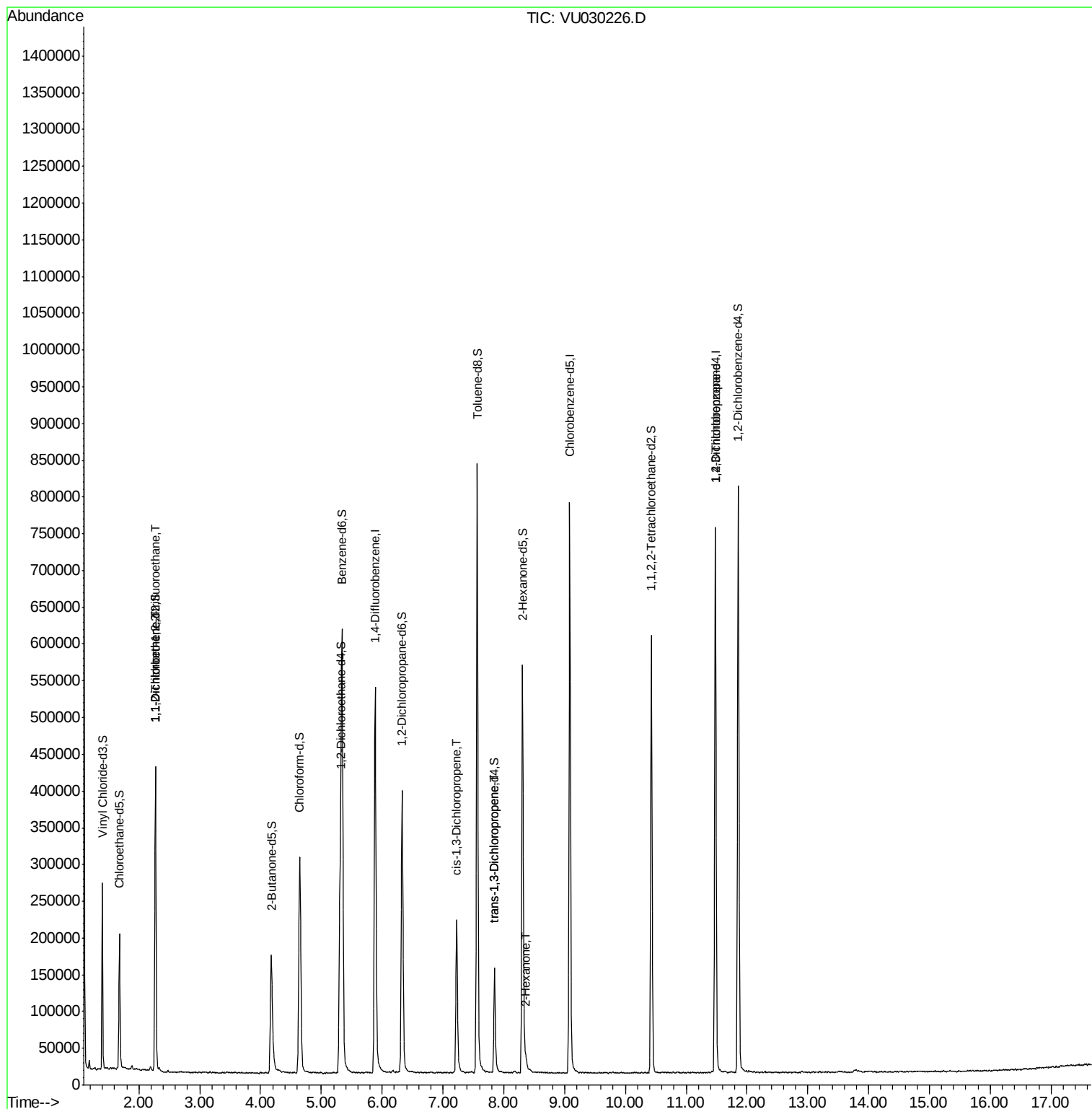
|                                |       |     |       |       | Qvalue |    |
|--------------------------------|-------|-----|-------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2582  | 0.796 | ug/L # | 18 |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 1928  | 0.598 | ug/L # | 1  |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75  | 4791  | 0.855 | ug/L # | 65 |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 3465  | 0.714 | ug/L   | 86 |
| 48) 2-Hexanone                 | 8.36  | 43  | 5768  | 1.447 | ug/L # | 85 |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 22725 | 4.812 | ug/L   | 97 |

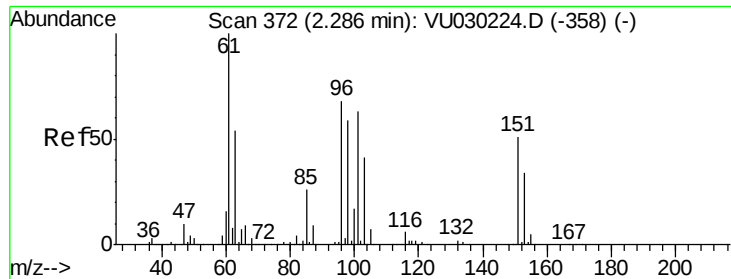
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
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VBLK43

Quant Time: Mar 22 01:30:25 2019  
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Quant Title : VOC Analysis  
QLast Update : Fri Mar 22 01:27:23 2019  
Response via : Initial Calibration





#10

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

Concen: 0.796 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030226.D

Acq: 20 Mar 2019 16:43

Instrument :

MSVOA\_U

ClientSampleId :

VBLK43

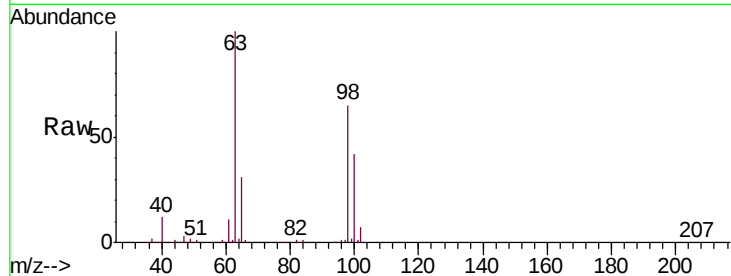
Tgt Ion: 101 Resp: 2582

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

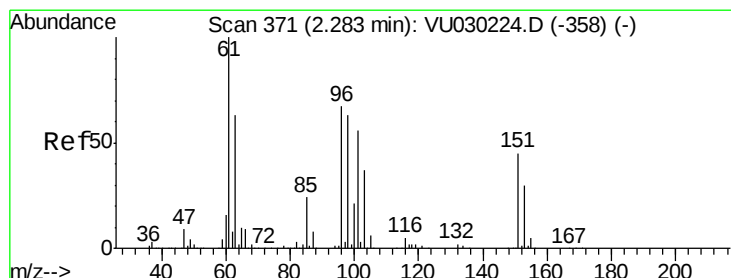
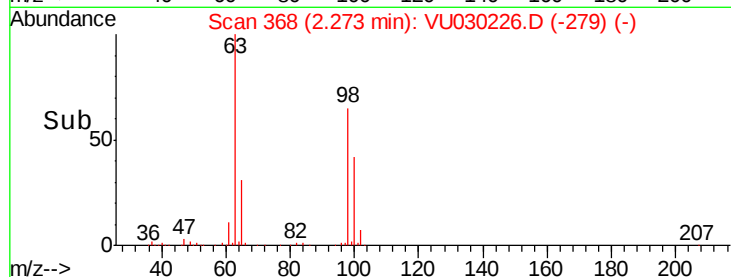
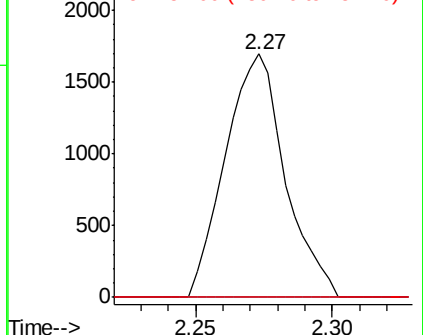
151 0.0 64.7 97.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.598 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030226.D

Acq: 20 Mar 2019 16:43

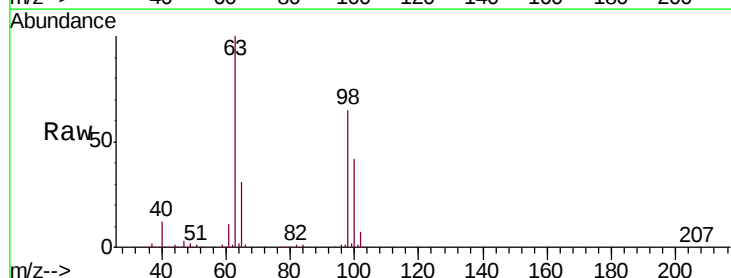
Tgt Ion: 96 Resp: 1928

Ion Ratio Lower Upper

96 100

61 1316.9 104.6 194.2#

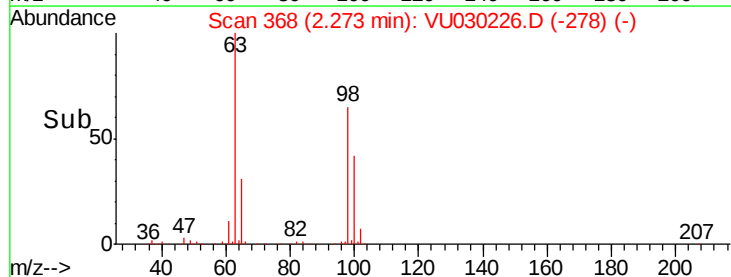
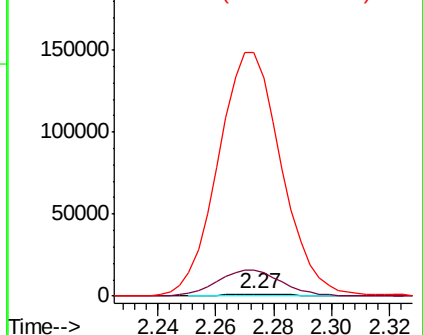
63 12184.7 77.2 143.4#

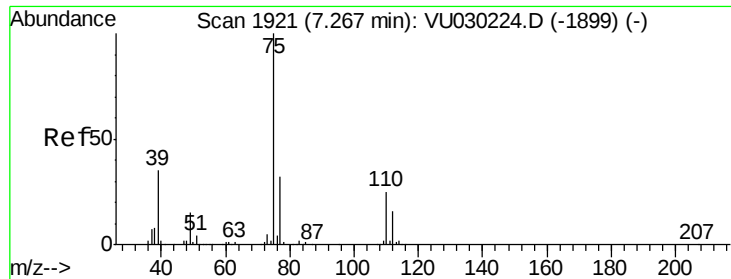


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



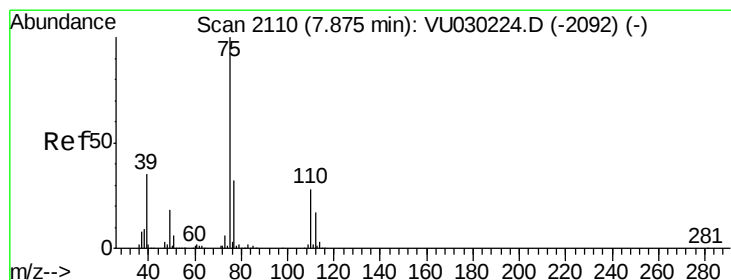
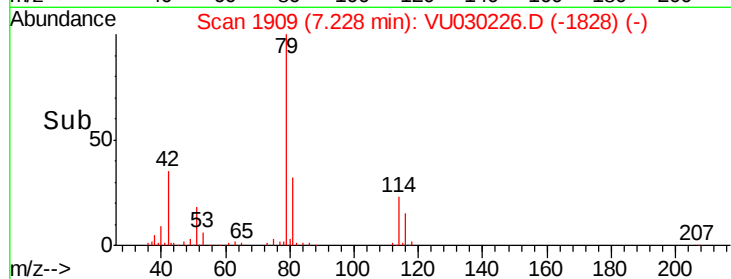
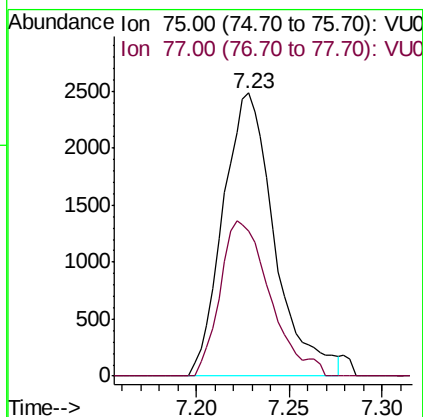
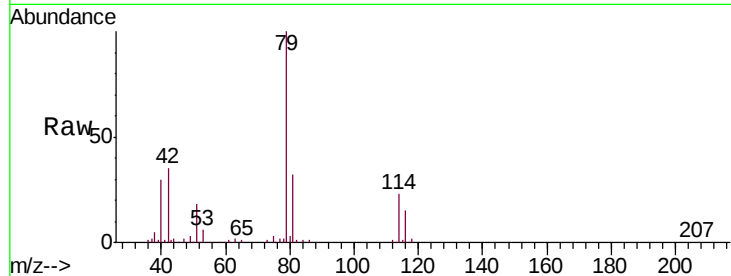


#39

cis-1,3-Dichloropropene  
Concen: 0.855 ug/L  
RT: 7.23 min Scan# 1909  
Delta R.T. -0.04 min  
Lab File: VU030226.D  
Acq: 20 Mar 2019 16:43

Instrument :  
MSVOA\_U  
ClientSampled :  
VBLK43

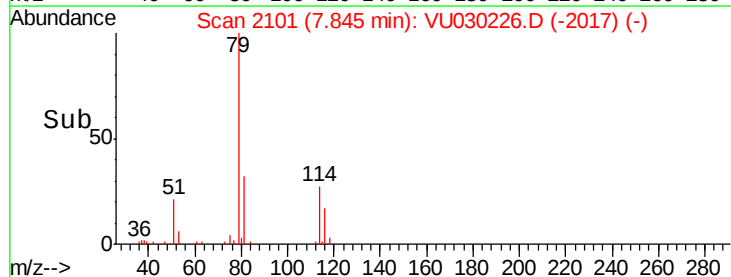
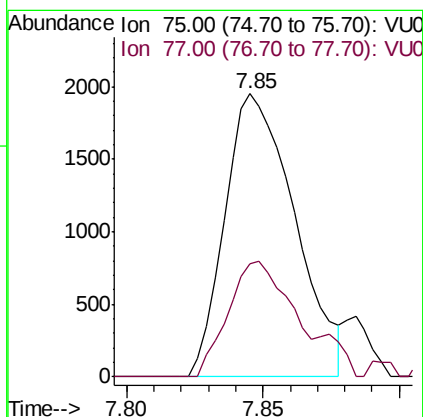
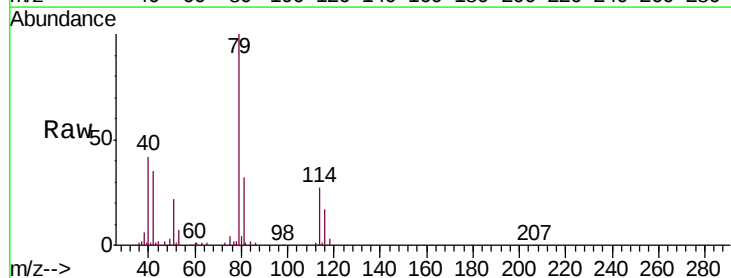
Tgt Ion: 75 Resp: 4791  
Ion Ratio Lower Upper  
75 100  
77 51.3 22.1 41.1#

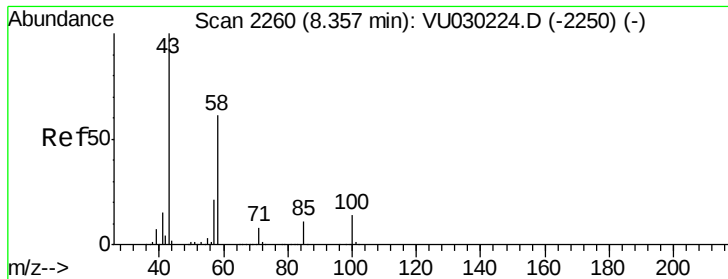


#44

trans-1,3-Dichloropropene  
Concen: 0.714 ug/L  
RT: 7.85 min Scan# 2101  
Delta R.T. -0.03 min  
Lab File: VU030226.D  
Acq: 20 Mar 2019 16:43

Tgt Ion: 75 Resp: 3465  
Ion Ratio Lower Upper  
75 100  
77 40.2 22.7 42.1

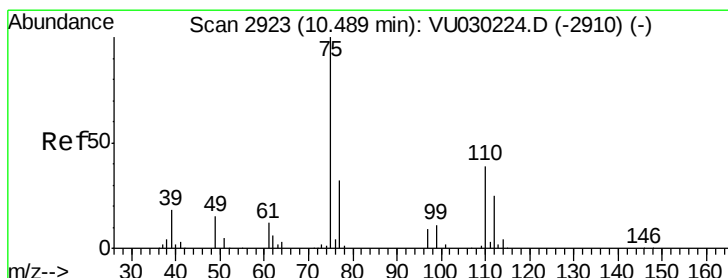
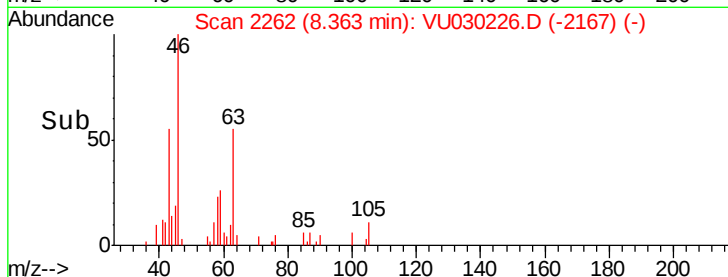
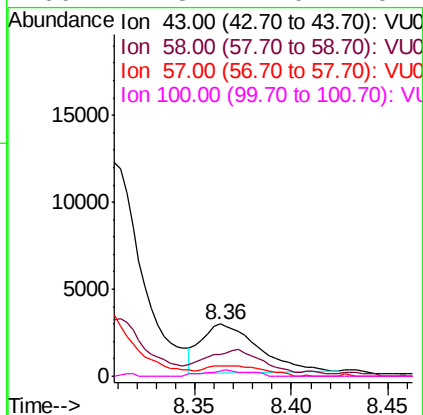
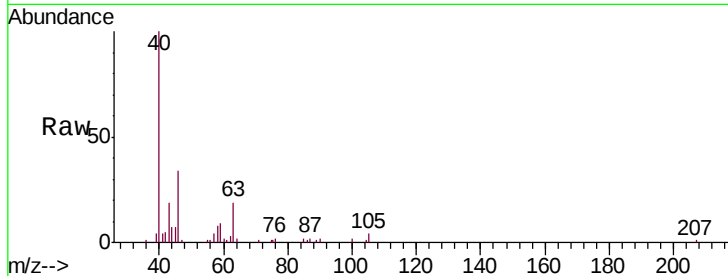




#48  
 2-Hexanone  
 Concen: 1.447 ug/L  
 RT: 8.36 min Scan# 2262  
 Delta R.T. 0.01 min  
 Lab File: VU030226.D  
 Acq: 20 Mar 2019 16:43

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK43

Tgt Ion: 43 Resp: 5768  
 Ion Ratio Lower Upper  
 43 100  
 58 56.7 49.3 73.9  
 57 3.3 17.0 25.4#  
 100 7.8 11.0 16.4#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.812 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
 Lab File: VU030226.D  
 Acq: 20 Mar 2019 16:43

Tgt Ion: 75 Resp: 22725  
 Ion Ratio Lower Upper  
 75 100  
 77 34.2 25.8 38.8

