

Data File : VU031554.D  
Acq On : 27 Apr 2019 00:39  
Operator : JC/SP  
Sample : K2592-07 50X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
COWZ8

Quant Time: Apr 27 03:31:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 27 03:26:56 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 838572   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 794266   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 306705   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 379405   | 54.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 108.12% |
| 7) Chloroethane-d5             | 1.68    | 69    | 293761   | 54.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 108.32% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 542649   | 38.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.66%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 688208   | 108.23   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 108.23% |
| 24) Chloroform-d               | 4.64    | 84    | 625156   | 48.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 414645   | 49.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.76%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1274632  | 52.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.52% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 442645   | 51.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.18% |
| 41) Toluene-d8                 | 7.56    | 98    | 1069840  | 50.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.72% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 174128   | 47.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.54%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 422365   | 113.72   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 113.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 566481   | 49.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.38%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 351948   | 54.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 109.12% |

#### Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 4979   | 0.741 ug/L # | 22     |
| 34) Trichloroethene            | 6.18  | 95  | 116526 | 16.462 ug/L  | 98     |
| 39) cis-1,3-Dichloropropene    | 7.22  | 75  | 10139  | 0.926 ug/L # | 69     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 6459   | 0.650 ug/L   | 88     |
| 46) Tetrachloroethene          | 8.23  | 164 | 4857   | 1.006 ug/L   | 92     |
| 48) 2-Hexanone                 | 8.31  | 43  | 49658  | 4.814 ug/L # | 74     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 40444  | 4.115 ug/L   | 95     |

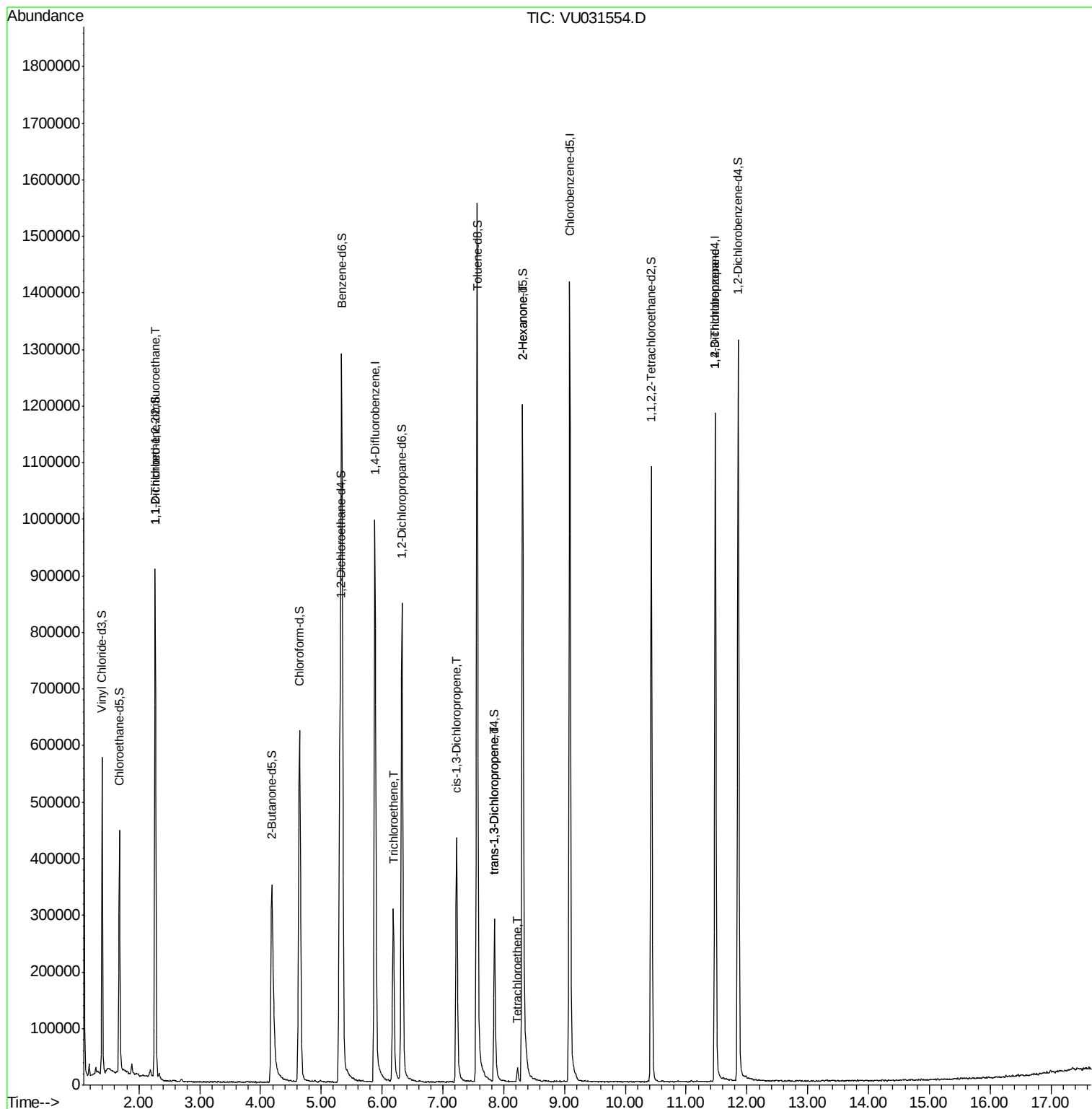
(#) = qualifier out of range (m) = manual integration (+) = signals summed

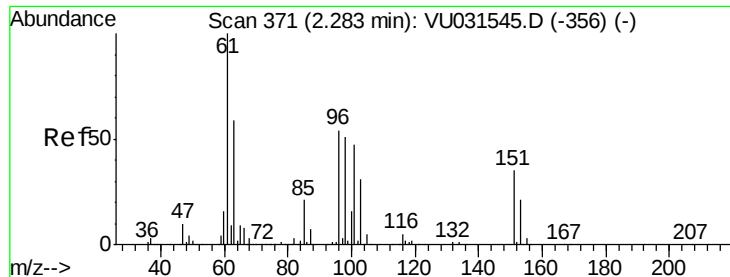
Data File : VU031554.D

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Acq On       : 27 Apr 2019   00:39
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ALS Vial    : 39   Sample Multiplier: 1
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**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
C0WZ8

Quant Time: Apr 27 03:31:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 27 03:26:56 2019  
Response via : Initial Calibration





#10

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

Concen: 0.741 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031554.D

Acq: 27 Apr 2019 00:39

Instrument :

MSVOA\_U

ClientSampleId :

C0WZ8

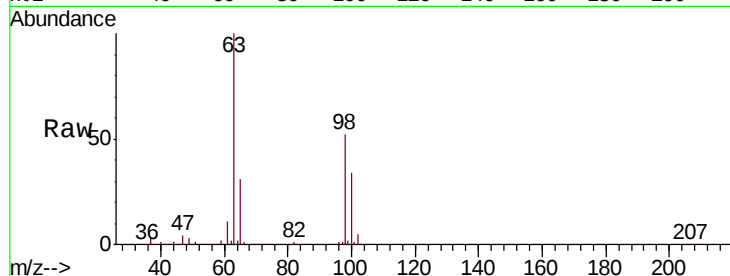
Tgt Ion:101 Resp: 4979

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

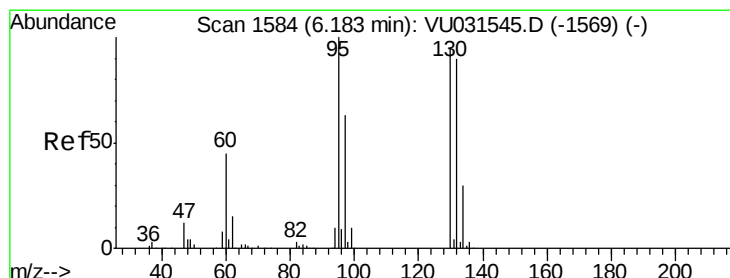
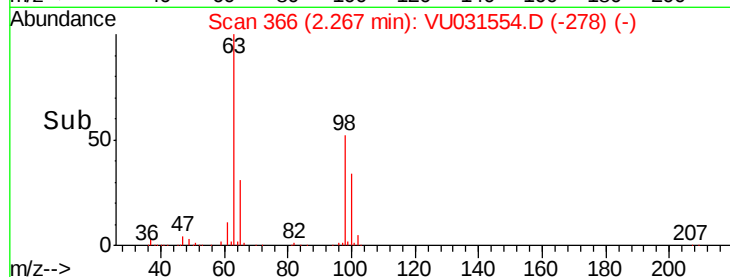
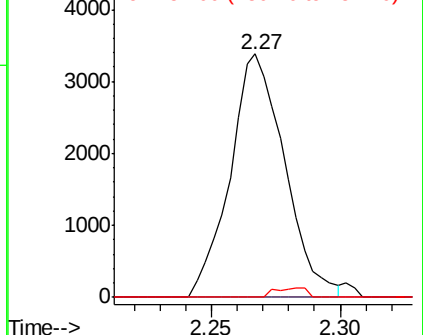
151 0.8 56.1 84.1#



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



#34

Trichloroethene

Concen: 16.462 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031554.D

Acq: 27 Apr 2019 00:39

Tgt Ion: 95 Resp: 116526

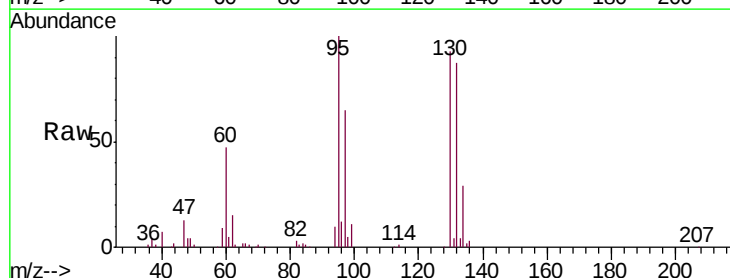
Ion Ratio Lower Upper

95 100

97 64.5 44.8 83.2

132 87.0 63.1 117.1

130 93.2 66.5 123.5

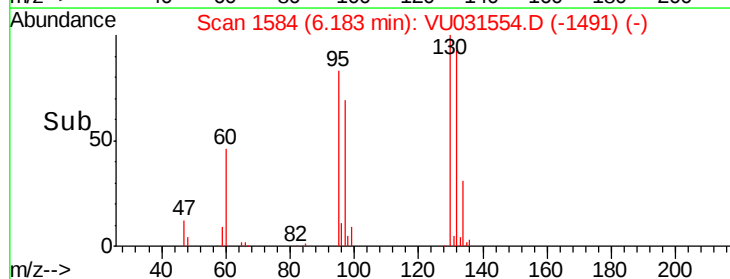
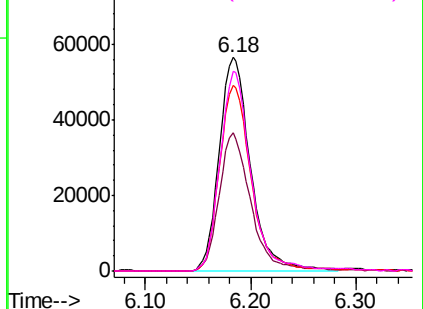


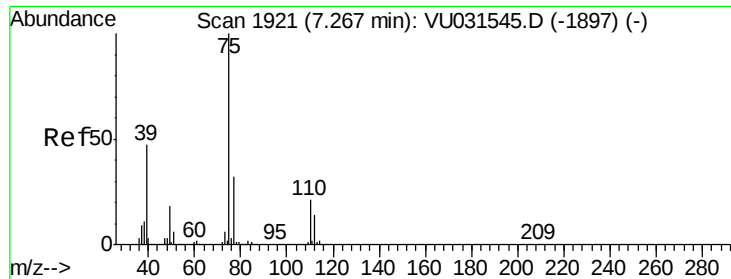
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#39

cis-1,3-Dichloropropene

Concen: 0.926 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031554.D

Acq: 27 Apr 2019 00:39

Instrument :

MSVOA\_U

ClientSampleId :

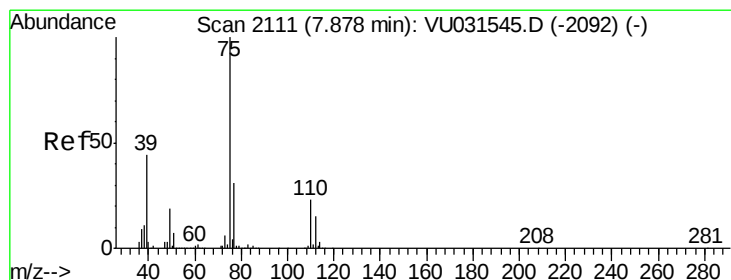
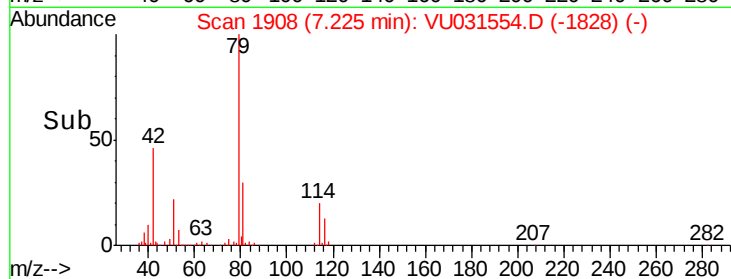
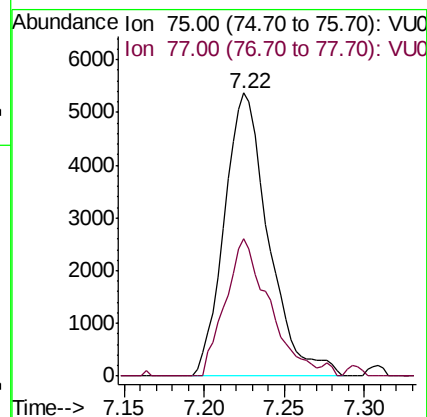
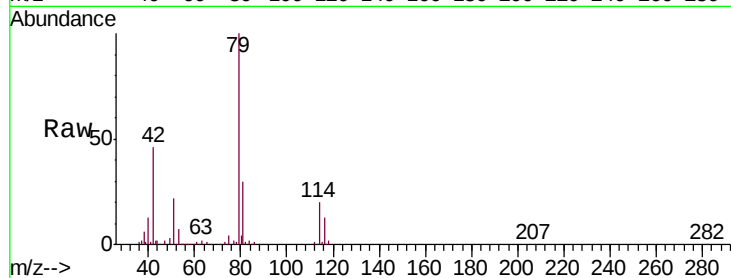
C0WZ8

Tgt Ion: 75 Resp: 10139

Ion Ratio Lower Upper

75 100

77 48.5 22.1 41.1#



#44

trans-1,3-Dichloropropene

Concen: 0.650 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031554.D

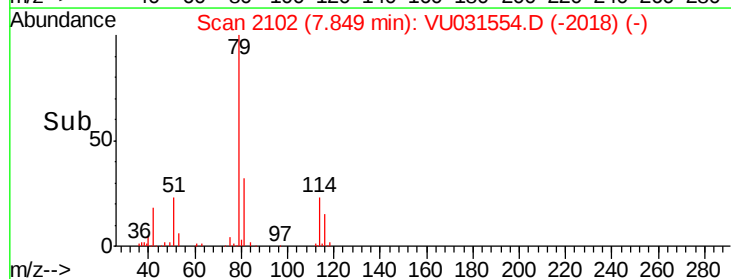
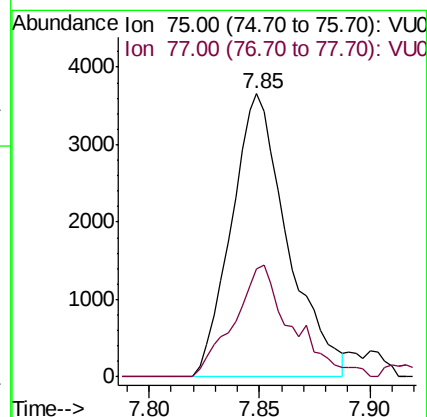
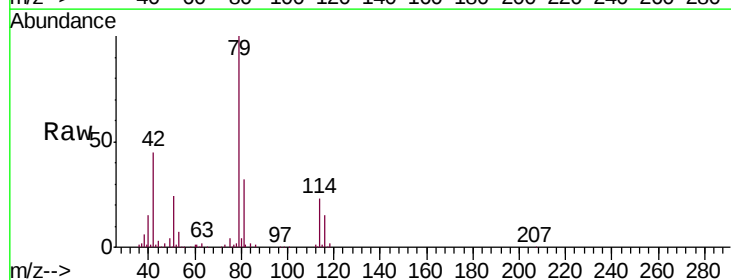
Acq: 27 Apr 2019 00:39

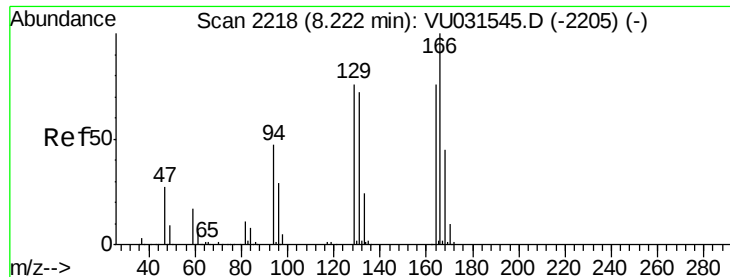
Tgt Ion: 75 Resp: 6459

Ion Ratio Lower Upper

75 100

77 38.2 22.1 41.1





#46

Tetrachloroethene

Concen: 1.006 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU031554.D

Acq: 27 Apr 2019 00:39

Instrument :

MSVOA\_U

ClientSampleId :

COWZ8

Tgt Ion:164 Resp: 4857

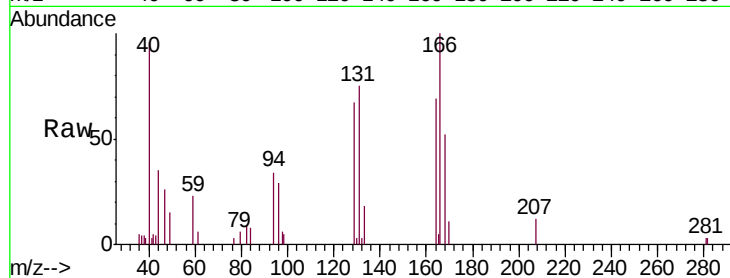
Ion Ratio Lower Upper

164 100

129 98.2 71.5 132.9

131 108.7 69.0 128.2

166 145.8 93.7 173.9

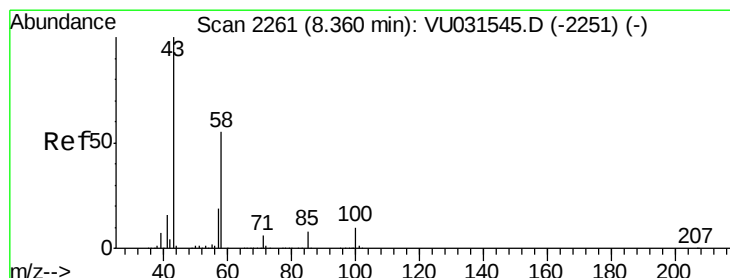
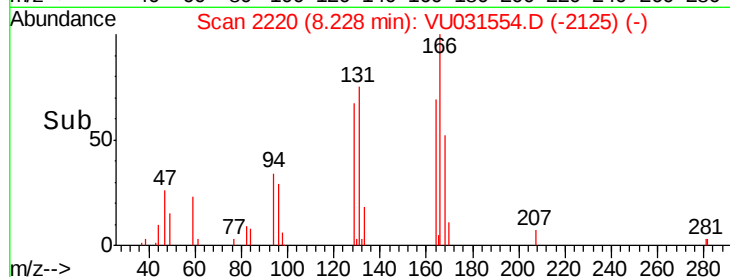
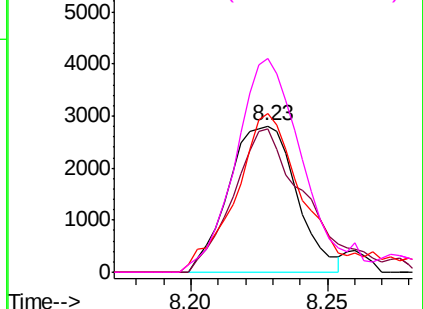


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 4.814 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU031554.D

Acq: 27 Apr 2019 00:39

Tgt Ion: 43 Resp: 49658

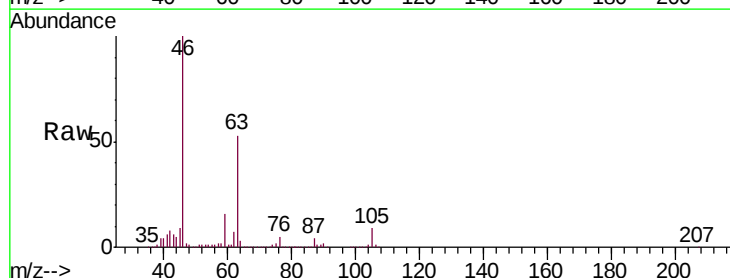
Ion Ratio Lower Upper

43 100

58 33.6 42.1 63.1#

57 29.0 14.6 22.0#

100 0.1 7.2 10.8#

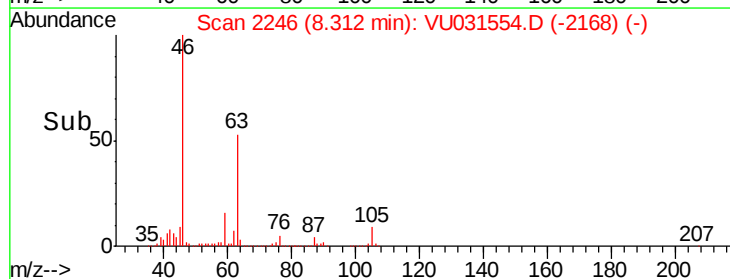
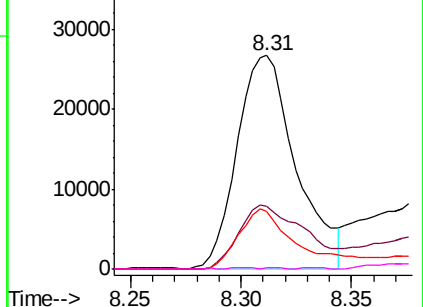


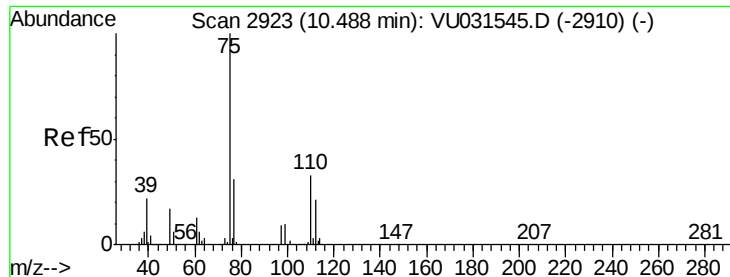
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.115 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031554.D

Acq: 27 Apr 2019 00:39

Instrument :

MSVOA\_U

ClientSampleId :

C0WZ8

Tgt Ion: 75 Resp: 40444

Ion Ratio Lower Upper

75 100

77 35.1 25.9 38.9

