

Data File : VU031559.D  
Acq On : 27 Apr 2019 02:36  
Operator : JC/SP  
Sample : K2592-12 50X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X72

Quant Time: Apr 27 03:32:05 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  | 814429   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 774803   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 307182   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 356669   | 52.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 104.66% |
| 7) Chloroethane-d5             | 1.68    | 69    | 277465   | 52.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 105.36% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 520511   | 38.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.70%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 673845   | 109.11   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 109.11% |
| 24) Chloroform-d               | 4.64    | 84    | 599245   | 48.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 403199   | 49.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.88%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1246328  | 52.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.76% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 421806   | 50.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.78% |
| 41) Toluene-d8                 | 7.56    | 98    | 1036645  | 50.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.04% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 169321   | 47.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.24%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 417451   | 115.22   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 115.22% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 549486   | 48.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 332829   | 51.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.04% |

#### Target Compounds

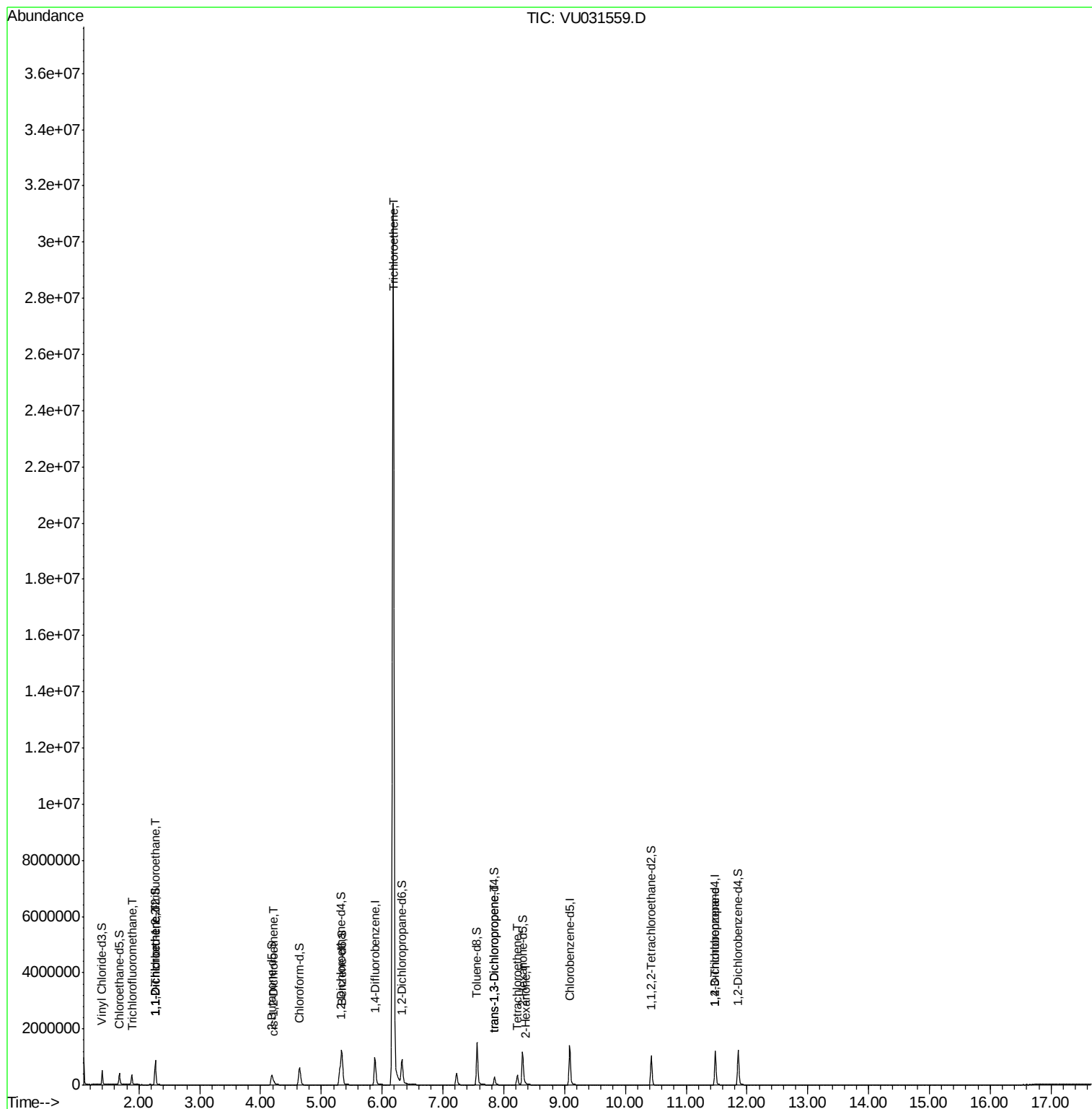
|                                |       |     |          |          |        | Qvalue |
|--------------------------------|-------|-----|----------|----------|--------|--------|
| 9) Trichlorofluoromethane      | 1.88  | 101 | 199285   | 17.256   | ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 4812     | 0.737    | ug/L # | 21     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 4048     | 0.637    | ug/L # | 1      |
| 20) cis-1,2-Dichloroethene     | 4.23  | 96  | 4357     | 0.613    | ug/L   | 99     |
| 34) Trichloroethene            | 6.18  | 95  | 11577488 | 1676.634 | ug/L   | 98     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 6266     | 0.646    | ug/L   | 84     |
| 46) Tetrachloroethene          | 8.22  | 164 | 79397    | 16.866   | ug/L   | 96     |
| 48) 2-Hexanone                 | 8.37  | 43  | 14733    | 1.464    | ug/L # | 94     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 39452    | 4.115    | ug/L   | 92     |

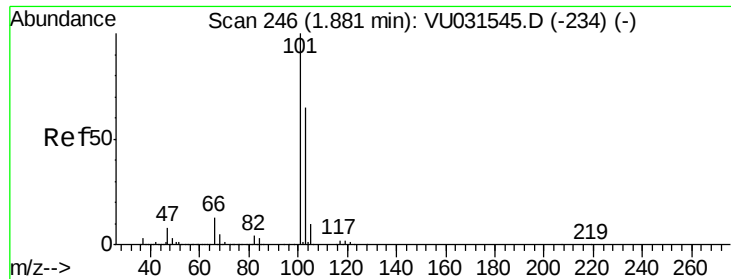
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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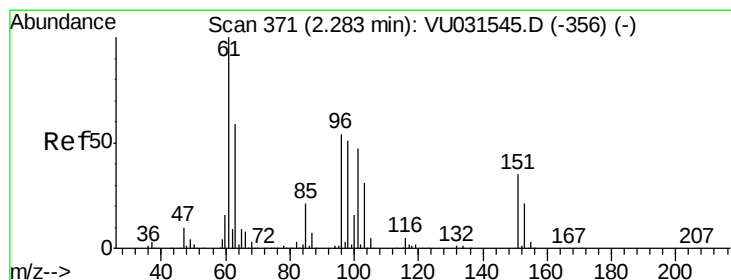
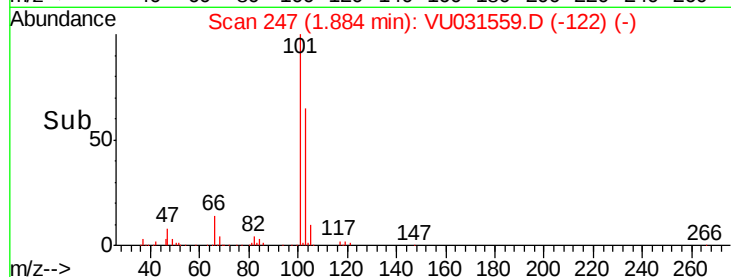
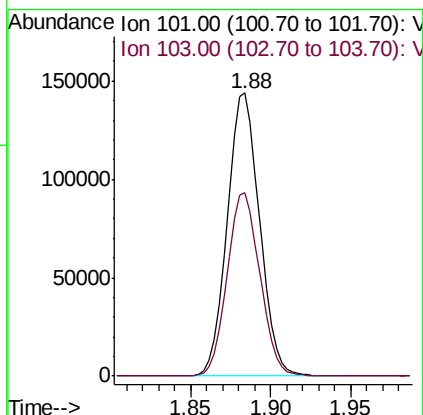
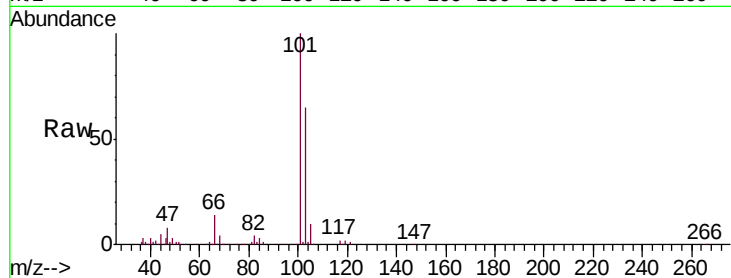


#9

Trichlorofluoromethane  
 Concen: 17.256 ug/L  
 RT: 1.88 min Scan# 247  
 Delta R.T. 0.00 min  
 Lab File: VU031559.D  
 Acq: 27 Apr 2019 02:36

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0X72

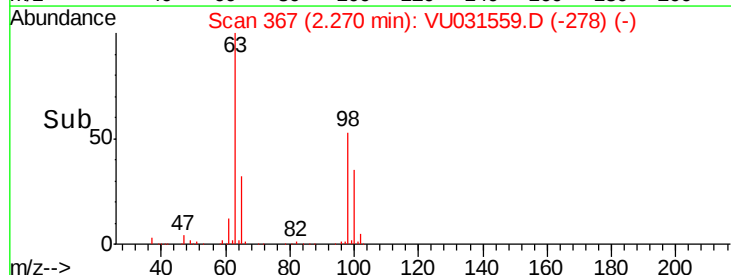
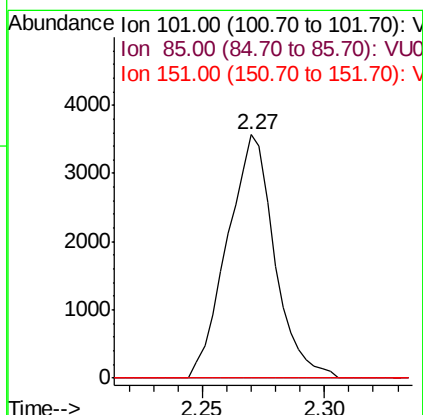
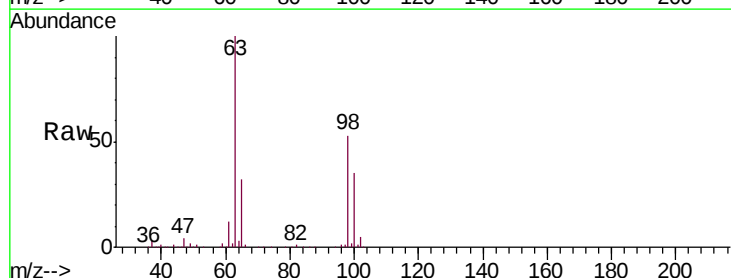
Tgt Ion:101 Resp: 199285  
 Ion Ratio Lower Upper  
 101 100  
 103 65.3 50.8 76.2

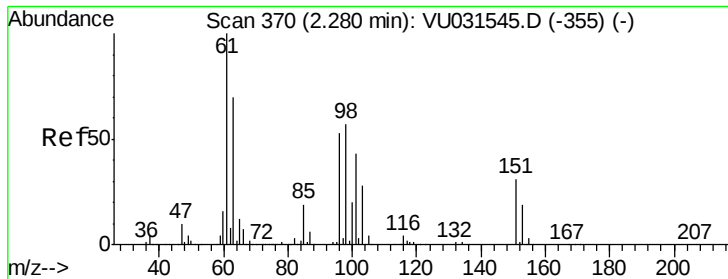


#10

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.737 ug/L  
 RT: 2.27 min Scan# 367  
 Delta R.T. -0.01 min  
 Lab File: VU031559.D  
 Acq: 27 Apr 2019 02:36

Tgt Ion:101 Resp: 4812  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 36.1 54.1#  
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.637 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031559.D

Acq: 27 Apr 2019 02:36

Instrument :

MSVOA\_U

ClientSampled :

C0X72

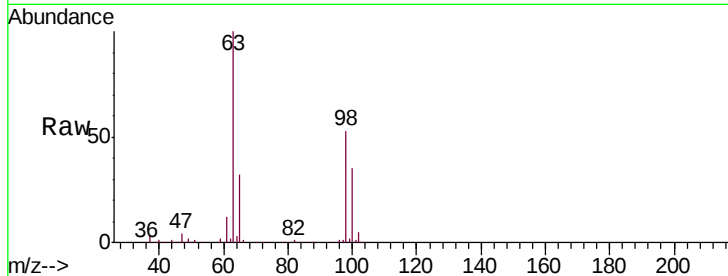
Tgt Ion: 96 Resp: 4048

Ion Ratio Lower Upper

96 100

61 1416.3 135.0 250.6#

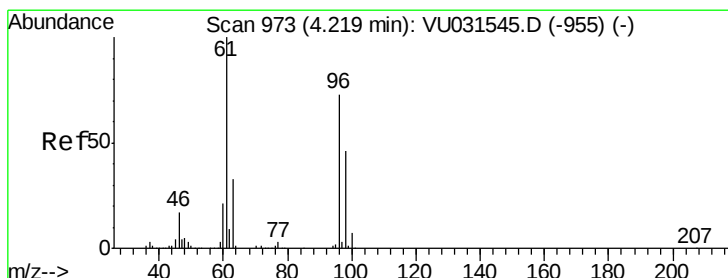
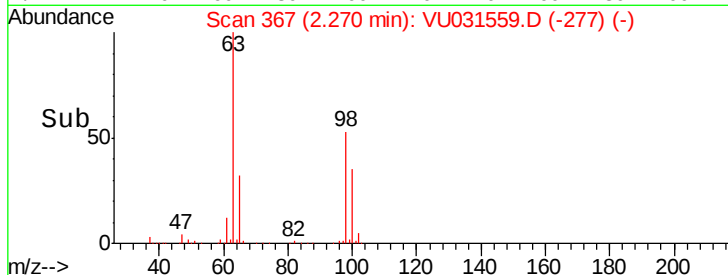
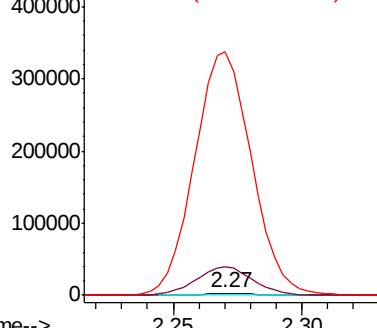
63 11847.2 103.5 192.3#



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



#20

cis-1,2-Dichloroethene

Concen: 0.613 ug/L

RT: 4.23 min Scan# 976

Delta R.T. 0.01 min

Lab File: VU031559.D

Acq: 27 Apr 2019 02:36

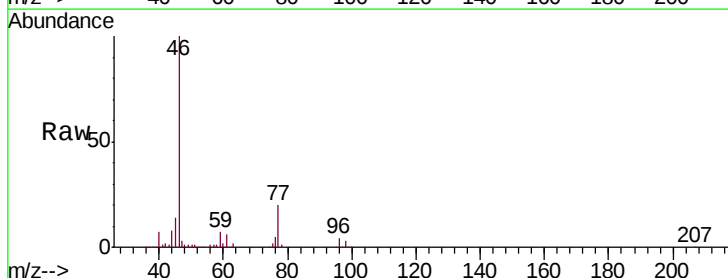
Tgt Ion: 96 Resp: 4357

Ion Ratio Lower Upper

96 100

61 143.7 99.5 184.7

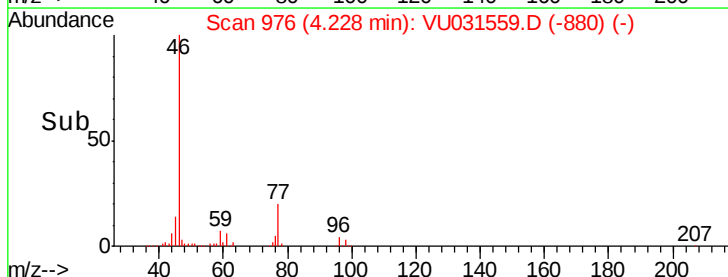
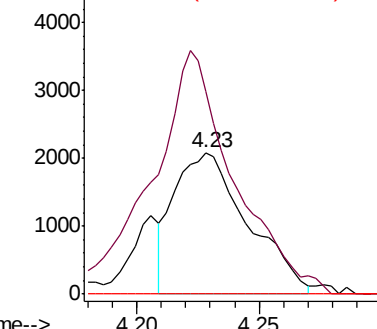
68 0.0 0.0 0.0

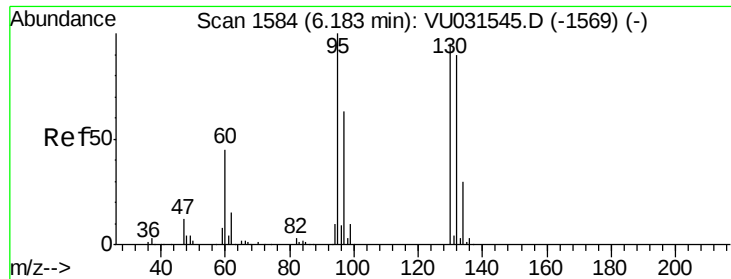


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 1676.634 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031559.D

Acq: 27 Apr 2019 02:36

Instrument :

MSVOA\_U

ClientSampleId :

C0X72

Tgt Ion: 95 Resp:11577488

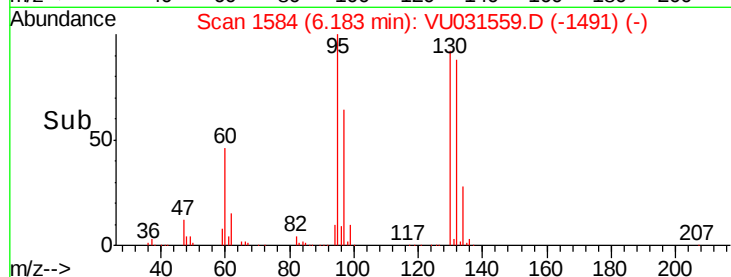
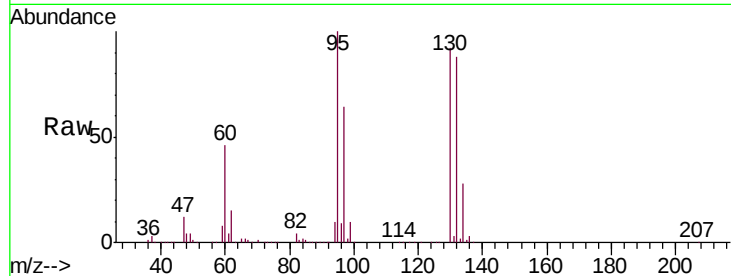
Ion Ratio Lower Upper

95 100

97 64.0 44.8 83.2

132 88.1 63.1 117.1

130 91.7 66.5 123.5



Abundance Ion 95.00 (94.70 to 95.70): VU031559.D (-1491) (-)

Ion 97.00 (96.70 to 97.70): VU031559.D (-1491) (-)

Ion 132.00 (131.70 to 132.70): VU031559.D (-1491) (-)

Ion 130.00 (129.70 to 130.70): VU031559.D (-1491) (-)

Time-->

6.00 6.10 6.20 6.30 6.40

8000000

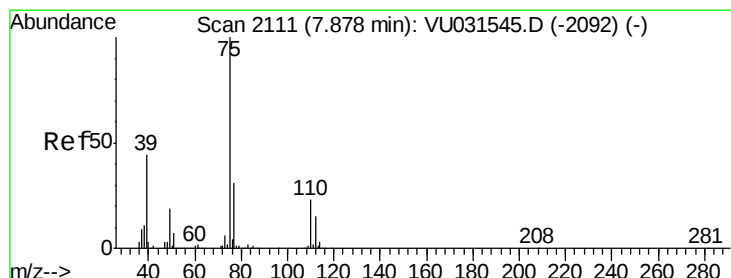
6000000

4000000

2000000

0

6.18



#44

trans-1,3-Dichloropropene

Concen: 0.646 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031559.D

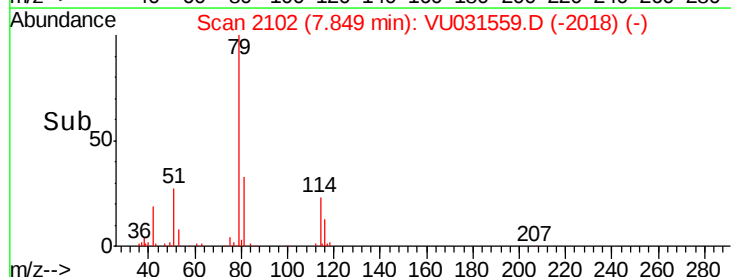
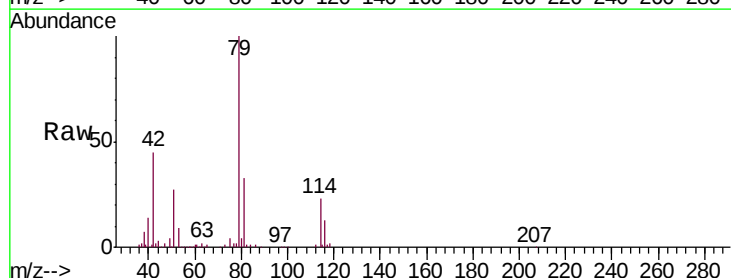
Acq: 27 Apr 2019 02:36

Tgt Ion: 75 Resp: 6266

Ion Ratio Lower Upper

75 100

77 40.2 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031559.D (-2018) (-)

Ion 77.00 (76.70 to 77.70): VU031559.D (-2018) (-)

Time-->

7.80 7.85 7.90

4000

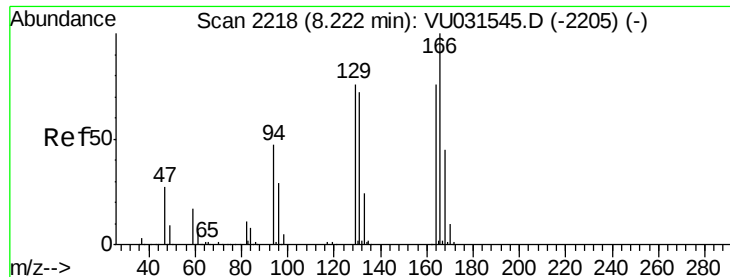
3000

2000

1000

0

7.85



#46

Tetrachloroethene

Concen: 16.866 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031559.D

Acq: 27 Apr 2019 02:36

Instrument :

MSVOA\_U

ClientSampleId :

C0X72

Tgt Ion:164 Resp: 79397

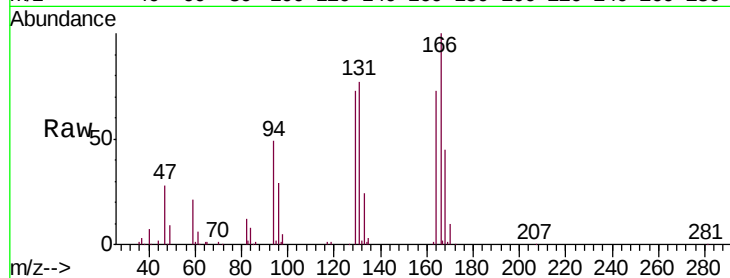
Ion Ratio Lower Upper

164 100

129 101.0 71.5 132.9

131 106.3 69.0 128.2

166 137.5 93.7 173.9

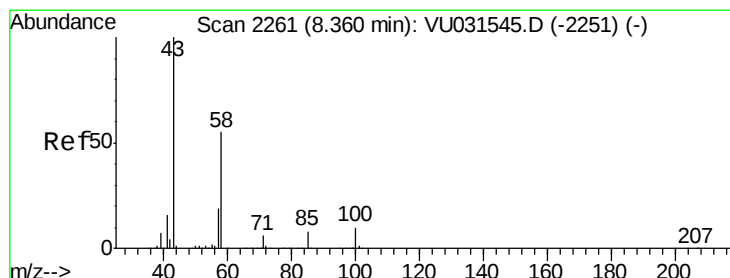
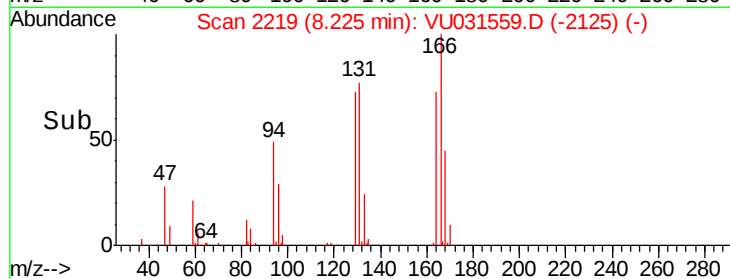
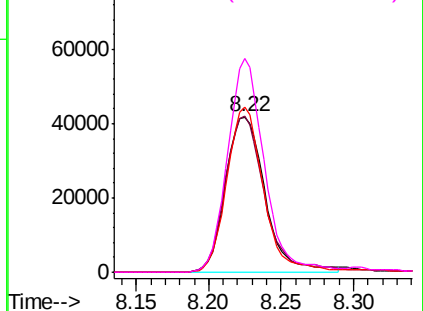


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.464 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU031559.D

Acq: 27 Apr 2019 02:36

Tgt Ion: 43 Resp: 14733

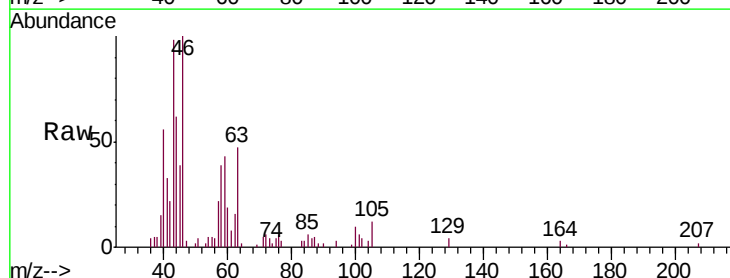
Ion Ratio Lower Upper

43 100

58 53.8 42.1 63.1

57 25.9 14.6 22.0#

100 4.7 7.2 10.8#

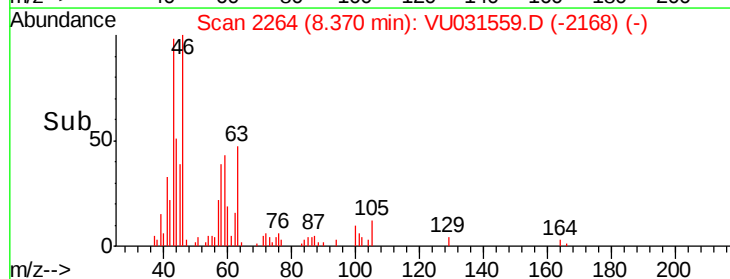
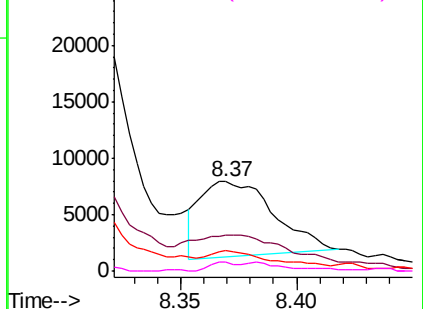


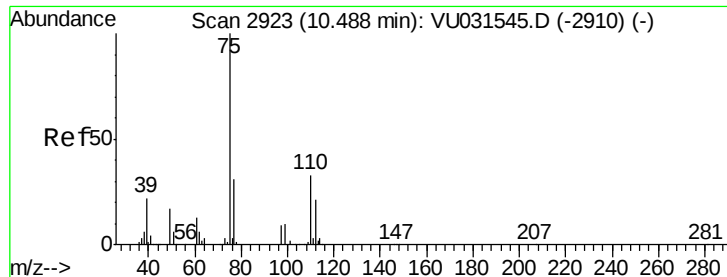
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: VU031559.D

Acq: 27 Apr 2019 02:36

Instrument :

MSVOA\_U

ClientSampleId :

C0X72

Tgt Ion: 75 Resp: 39452

Ion Ratio Lower Upper

75 100

77 36.8 25.9 38.9

