

Data File : VU031608.D  
Acq On : 30 Apr 2019 00:27  
Operator : JC/SP  
Sample : K2592-11DL 250X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0X04DL

Quant Time: Apr 30 04:54:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 04:50:11 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 622051   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 617216   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 220513   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 336473   | 64.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 129.26% |
| 7) Chloroethane-d5             | 1.68    | 69    | 243873   | 60.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 121.24% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 461971   | 44.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.12%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 535779   | 113.59   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 113.59% |
| 24) Chloroform-d               | 4.64    | 84    | 506086   | 53.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.16% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 355774   | 57.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 114.22% |
| 32) Benzene-d6                 | 5.34    | 84    | 1010536  | 53.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.64% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 353414   | 53.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 106.00% |
| 41) Toluene-d8                 | 7.56    | 98    | 834272   | 50.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.08% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 135969   | 47.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.00%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 293921   | 101.84   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 101.84% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 444093   | 49.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.26%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 250133   | 53.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.88% |

#### Target Compounds

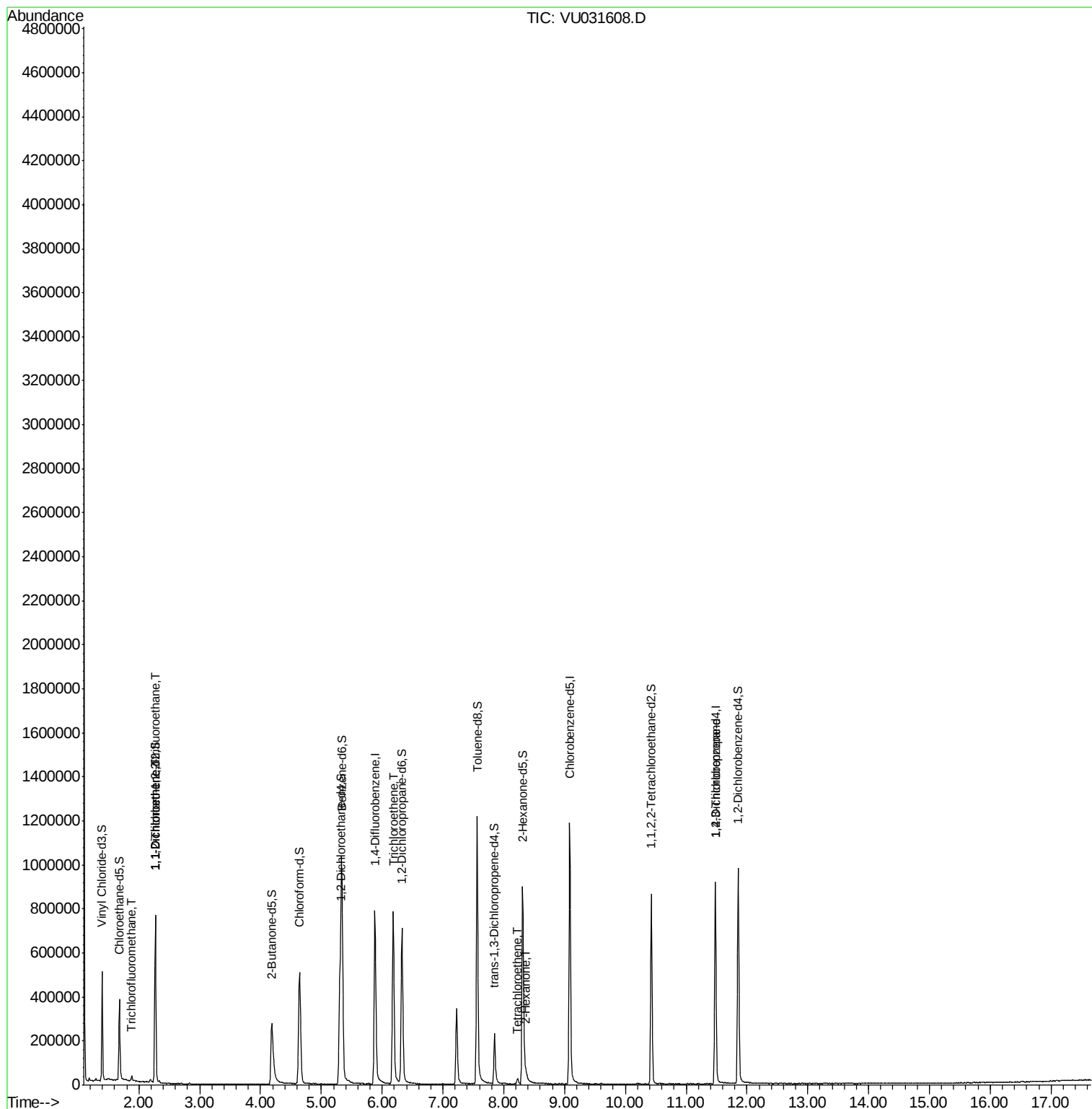
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 9) Trichlorofluoromethane      | 1.88  | 101 | 6530   | 0.740 ug/L   | 87     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 3503   | 0.703 ug/L # | 22     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 2813   | 0.580 ug/L # | 1      |
| 34) Trichloroethene            | 6.18  | 95  | 290167 | 52.750 ug/L  | 99     |
| 46) Tetrachloroethene          | 8.22  | 164 | 5081   | 1.355 ug/L   | 92     |
| 48) 2-Hexanone                 | 8.37  | 43  | 15634  | 1.950 ug/L # | 40     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 30932  | 4.050 ug/L   | 89     |

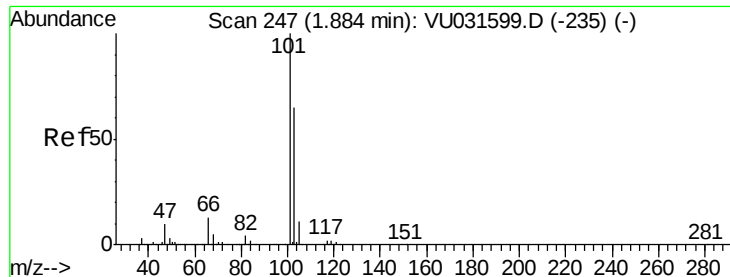
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Apr 30 04:50:11 2019  
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.740 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU031608.D

Acq: 30 Apr 2019 00:27

Instrument :

MSVOA\_U

ClientSampleId :

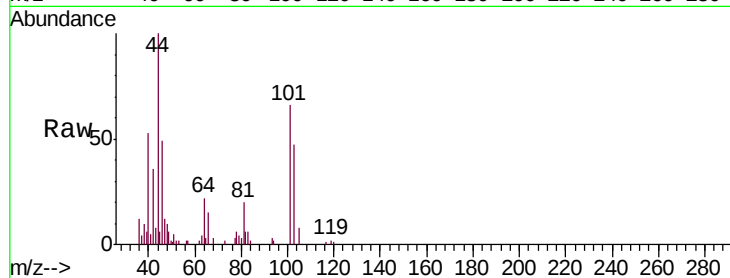
C0X04DL

Tgt Ion:101 Resp: 6530

Ion Ratio Lower Upper

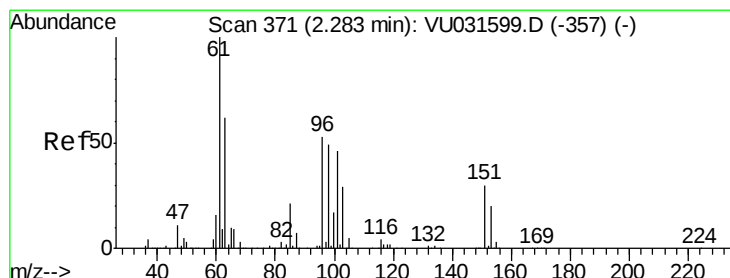
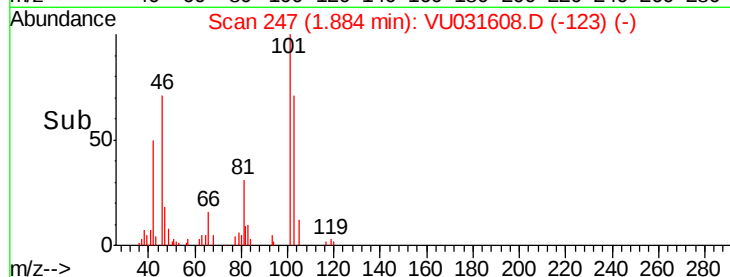
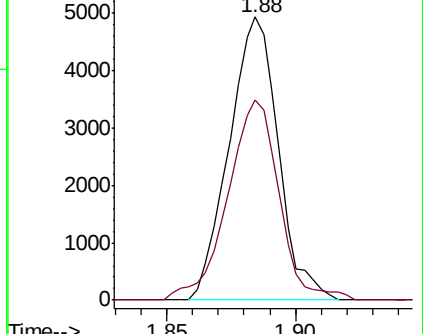
101 100

103 74.0 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.703 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031608.D

Acq: 30 Apr 2019 00:27

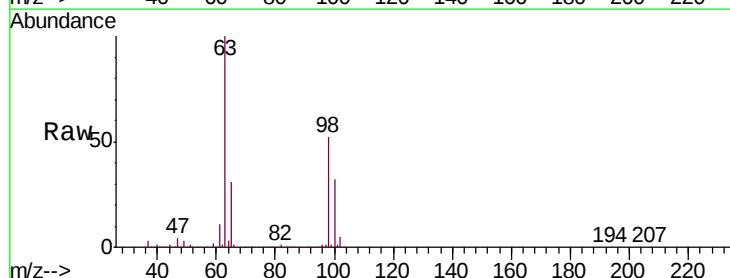
Tgt Ion:101 Resp: 3503

Ion Ratio Lower Upper

101 100

85 2.4 36.1 54.1#

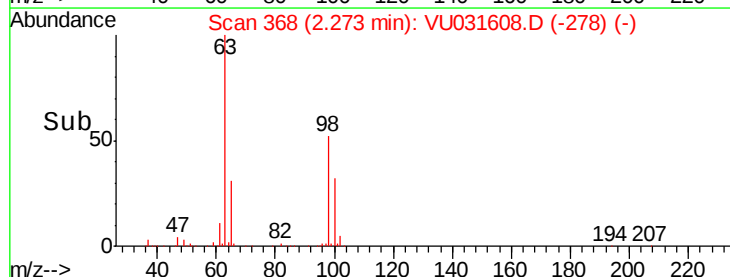
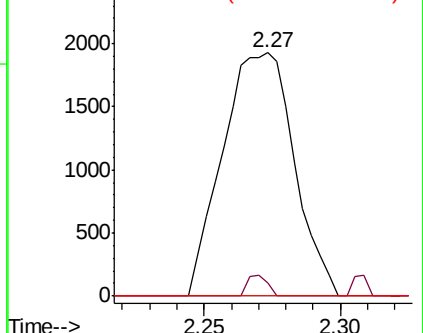
151 0.0 56.1 84.1#

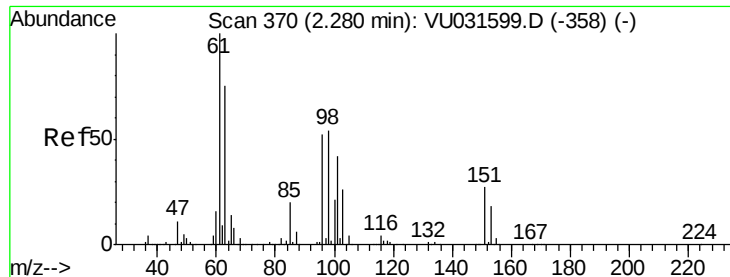


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

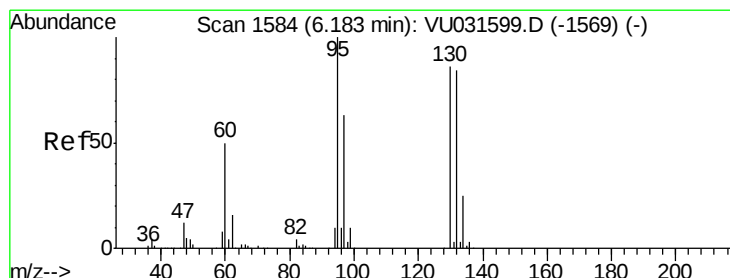
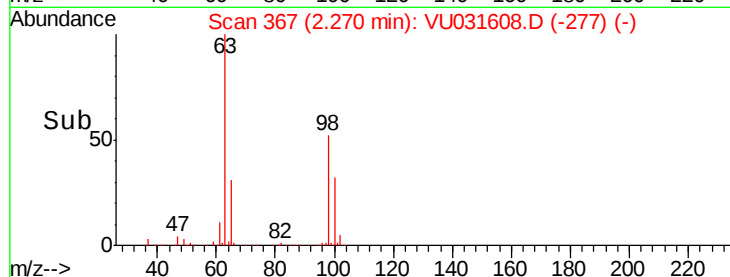
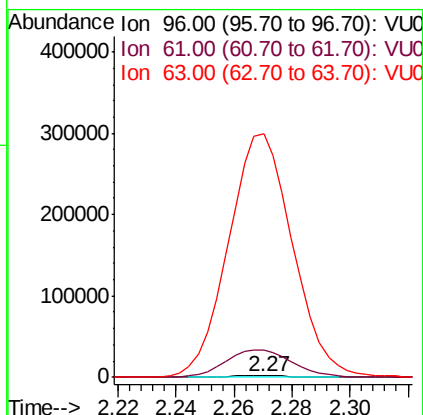
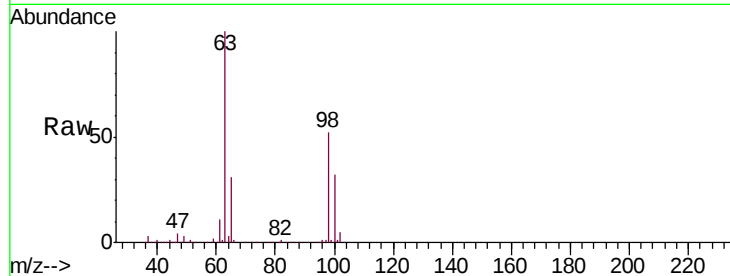




#12  
1,1-Dichloroethene  
Concen: 0.580 ug/L  
RT: 2.27 min Scan# 367  
Delta R.T. -0.01 min  
Lab File: VU031608.D  
Acq: 30 Apr 2019 00:27

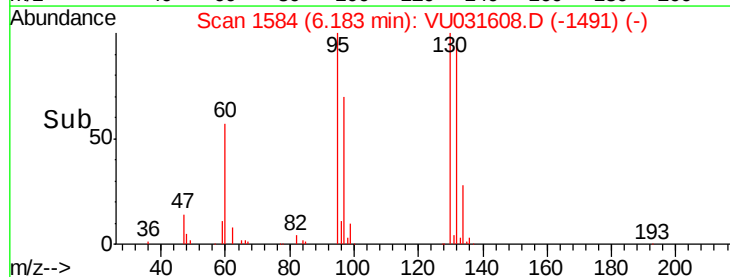
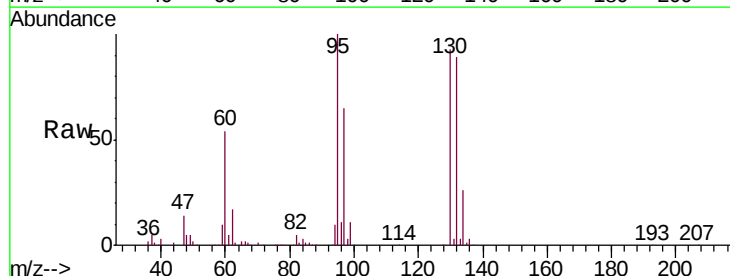
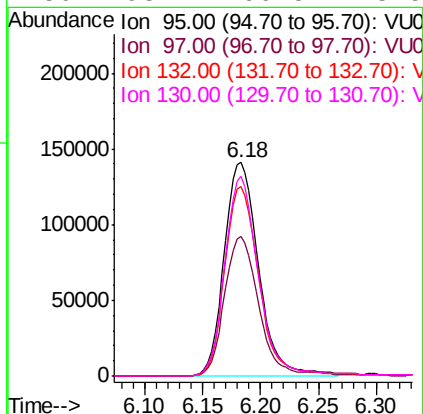
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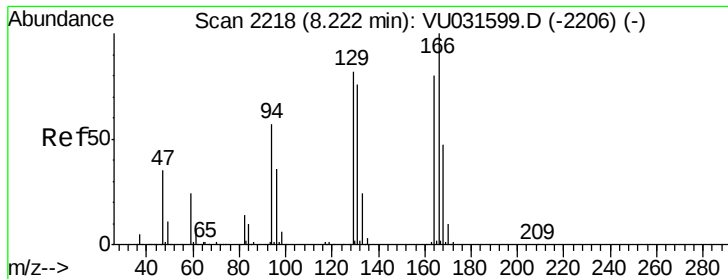
Tgt Ion: 96 Resp: 2813  
Ion Ratio Lower Upper  
96 100  
61 1825.4 135.0 250.6#  
63 16434.0 103.5 192.3#



#34  
Trichloroethene  
Concen: 52.750 ug/L  
RT: 6.18 min Scan# 1584  
Delta R.T. -0.00 min  
Lab File: VU031608.D  
Acq: 30 Apr 2019 00:27

Tgt Ion: 95 Resp: 290167  
Ion Ratio Lower Upper  
95 100  
97 65.1 44.8 83.2  
132 89.0 63.1 117.1  
130 93.2 66.5 123.5

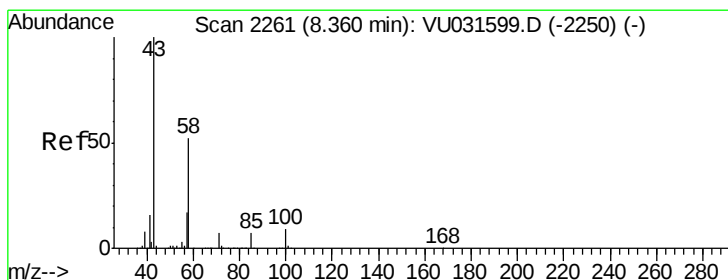
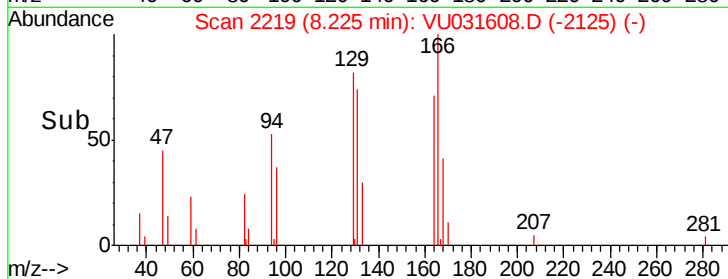
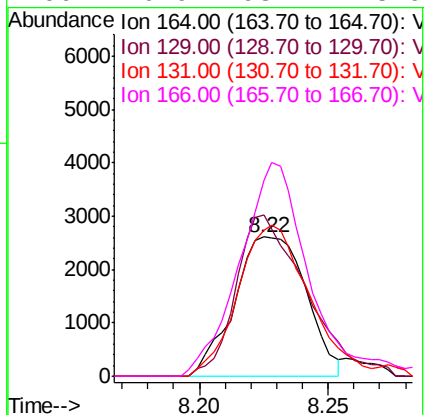
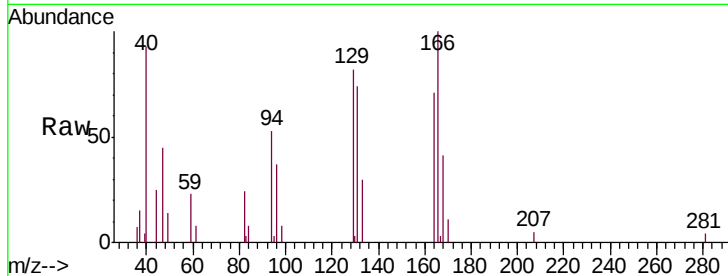




#46  
Tetrachloroethene  
Concen: 1.355 ug/L  
RT: 8.22 min Scan# 2219  
Delta R.T. 0.00 min  
Lab File: VU031608.D  
Acq: 30 Apr 2019 00:27

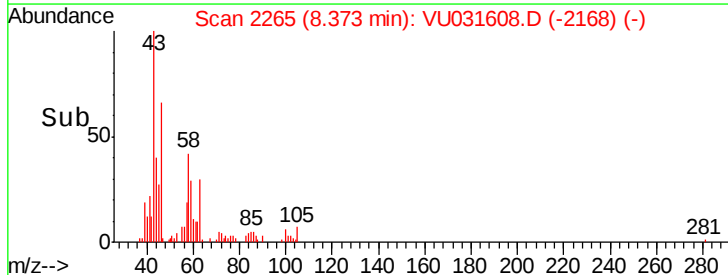
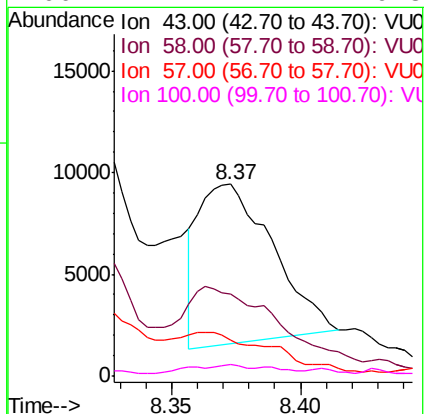
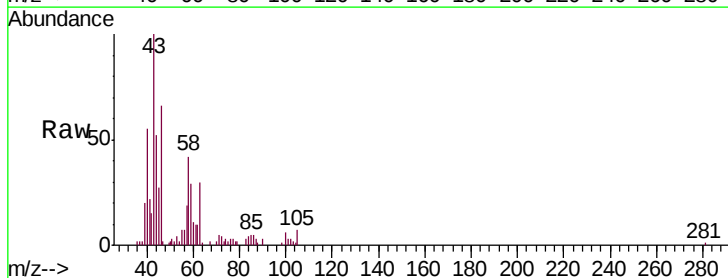
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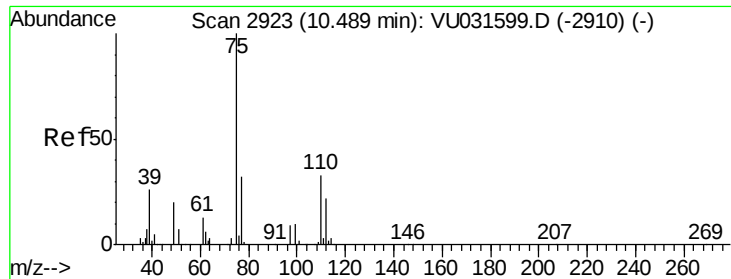
Tgt Ion:164 Resp: 5081  
Ion Ratio Lower Upper  
164 100  
129 115.7 71.5 132.9  
131 104.9 69.0 128.2  
166 140.9 93.7 173.9



#48  
2-Hexanone  
Concen: 1.950 ug/L  
RT: 8.37 min Scan# 2265  
Delta R.T. 0.01 min  
Lab File: VU031608.D  
Acq: 30 Apr 2019 00:27

Tgt Ion: 43 Resp: 15634  
Ion Ratio Lower Upper  
43 100  
58 0.0 42.1 63.1#  
57 0.0 14.6 22.0#  
100 2.4 7.2 10.8#





#59

1,2,3-Trichloropropane

Concen: 4.050 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031608.D

Acq: 30 Apr 2019 00:27

Instrument :

MSVOA\_U

ClientSampleId :

C0X04DL

Tgt Ion: 75 Resp: 30932

Ion Ratio Lower Upper

75 100

77 38.3 25.9 38.9

