

Data File : VU031489.D  
Acq On : 24 Apr 2019 22:47  
Operator : JC/SP  
Sample : K2536-12  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0XG2

Quant Time: Apr 25 06:12:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR042419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Apr 25 06:05:25 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 292487   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 299424   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 110519   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 129451   | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 110.60% |
| 7) Chloroethane-d5             | 1.68   | 69    | 104551   | 5.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 117.00% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 188802   | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 85.60%  |
| 20) 2-Butanone-d5              | 4.21   | 46    | 374946   | 59.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.44% |
| 24) Chloroform-d               | 4.64   | 84    | 218178   | 5.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 117.60% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 124879   | 6.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 126.40% |
| 32) Benzene-d6                 | 5.33   | 84    | 422685   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.00% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 150198   | 5.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 113.60% |
| 41) Toluene-d8                 | 7.56   | 98    | 349483   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 50278    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.00%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 265615   | 52.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.00% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 112841   | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 111695   | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 113.00% |

#### Target Compounds

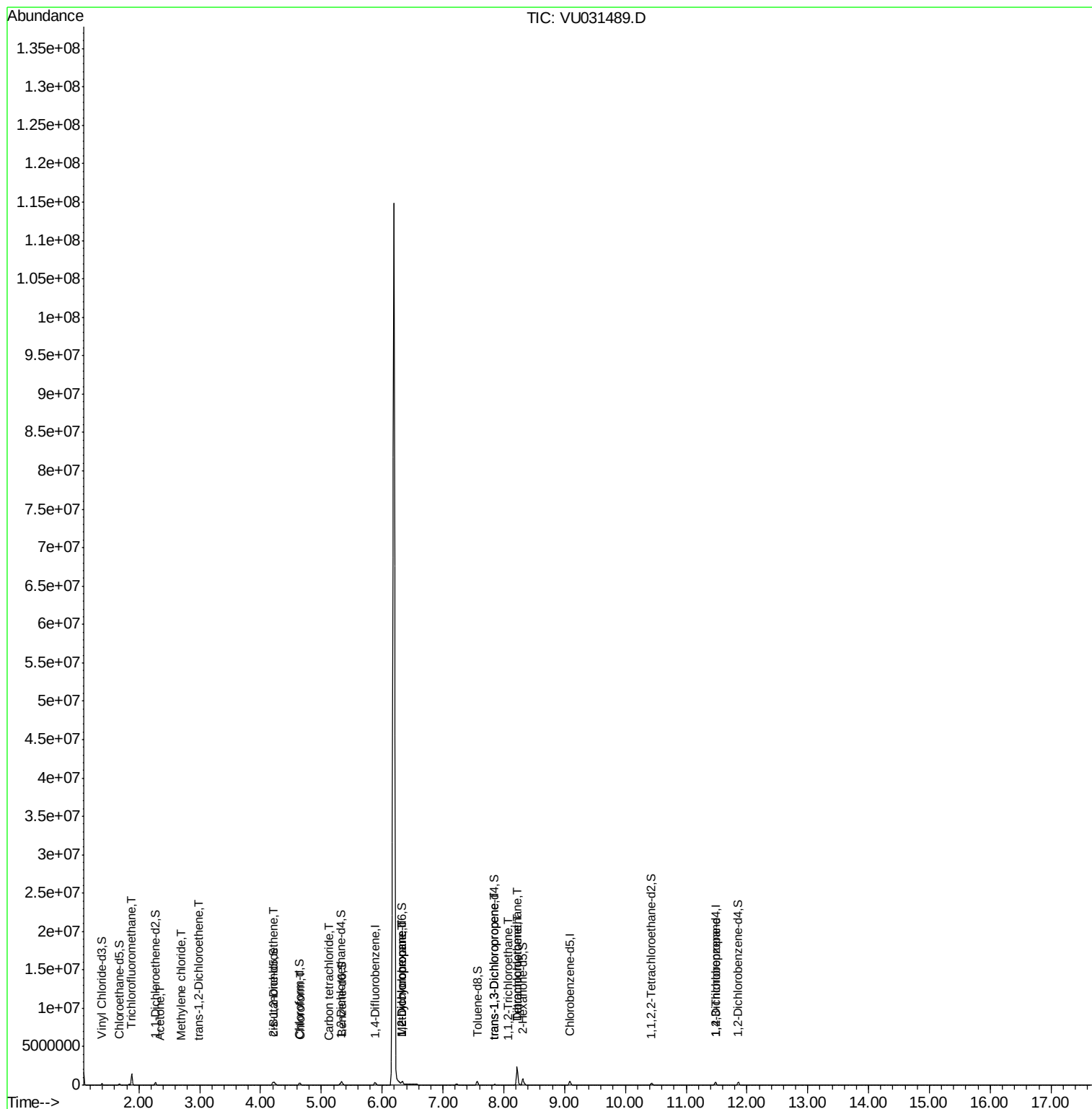
|                               |       |     |        |               | Qvalue |
|-------------------------------|-------|-----|--------|---------------|--------|
| 9) Trichlorofluoromethane     | 1.88  | 101 | 903318 | 25.699 ug/L   | 98     |
| 13) Acetone                   | 2.35  | 43  | 10508  | 2.356 ug/L    | 87     |
| 16) Methylene chloride        | 2.69  | 84  | 3937   | 0.171 ug/L    | 97     |
| 18) trans-1,2-Dichloroethene  | 2.98  | 96  | 6194   | 0.289 ug/L    | 94     |
| 22) cis-1,2-Dichloroethene    | 4.22  | 96  | 148474 | 6.705 ug/L    | 93     |
| 25) Chloroform                | 4.67  | 83  | 37068  | 0.981 ug/L    | 97     |
| 31) Carbon tetrachloride      | 5.13  | 117 | 19465  | 0.661 ug/L    | 99     |
| 35) Methylcyclohexane         | 6.33  | 83  | 33730  | 0.935 ug/L #  | 14     |
| 37) 1,2-Dichloropropane       | 6.32  | 63  | 14782  | 0.596 ug/L #  | 93     |
| 44) trans-1,3-Dichloropropene | 7.86  | 75  | 2347   | 0.088 ug/L    | 90     |
| 45) 1,1,2-Trichloroethane     | 8.07  | 97  | 4272   | 0.253 ug/L    | 92     |
| 47) Tetrachloroethene         | 8.22  | 164 | 565739 | 33.203 ug/L   | 98     |
| 49) Dibromochloromethane      | 8.22  | 129 | 561468 | 29.652 ug/L # | 9      |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75  | 13867  | 0.888 ug/L #  | 79     |

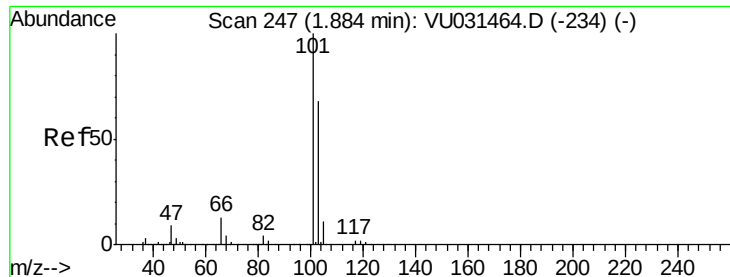
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
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C0XG2

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR042419WMA.M  
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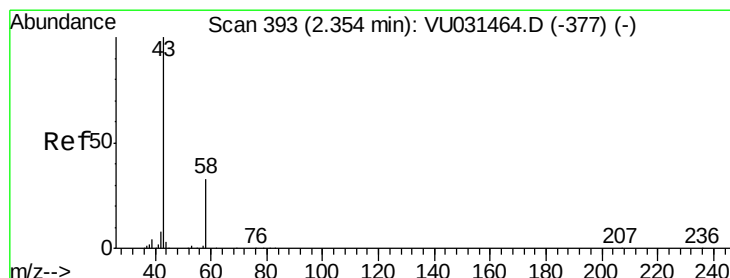
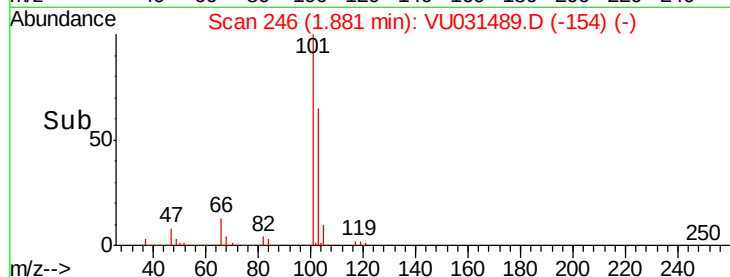
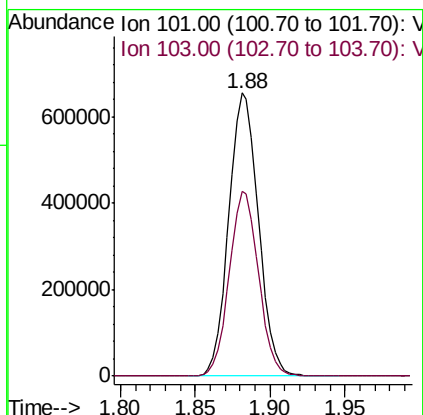
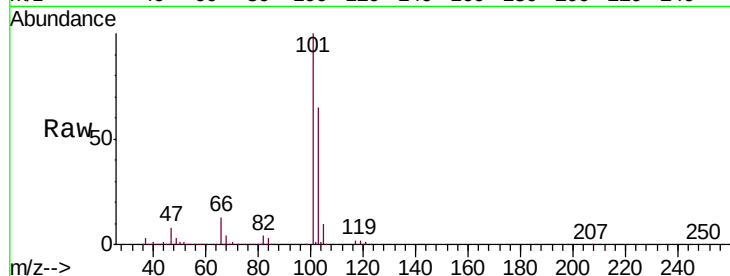


#9

Trichlorofluoromethane  
 Concen: 25.699 ug/L  
 RT: 1.88 min Scan# 246  
 Delta R.T. -0.00 min  
 Lab File: VU031489.D  
 Acq: 24 Apr 2019 22:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XG2

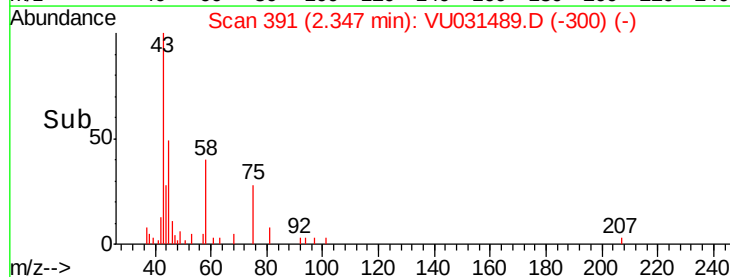
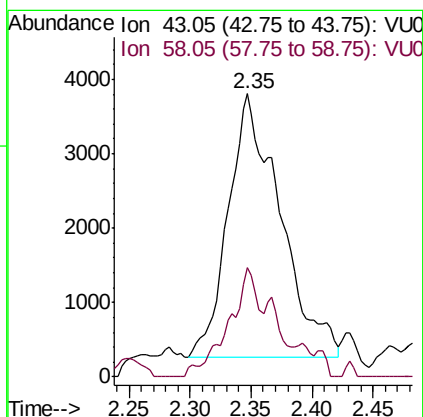
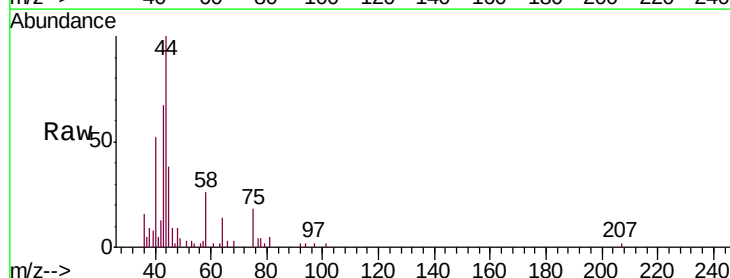
Tgt Ion:101 Resp: 903318  
 Ion Ratio Lower Upper  
 101 100  
 103 64.5 52.7 79.1

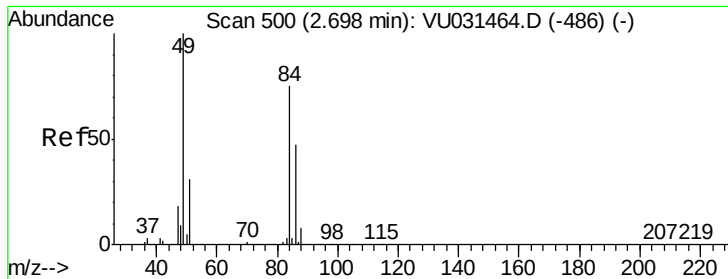


#13

Acetone  
 Concen: 2.356 ug/L  
 RT: 2.35 min Scan# 391  
 Delta R.T. -0.01 min  
 Lab File: VU031489.D  
 Acq: 24 Apr 2019 22:47

Tgt Ion: 43 Resp: 10508  
 Ion Ratio Lower Upper  
 43 100  
 58 24.2 0.0 62.4

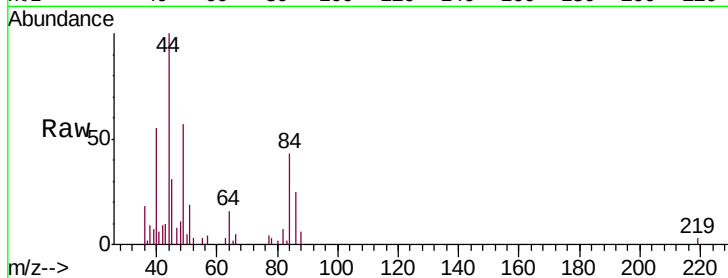




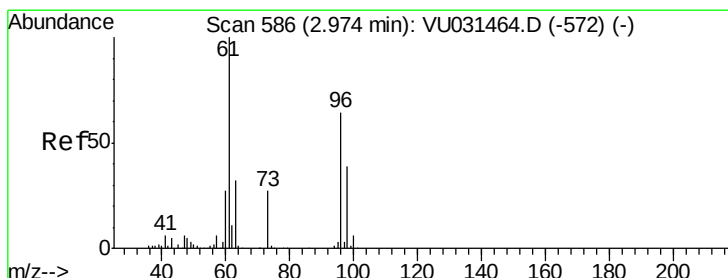
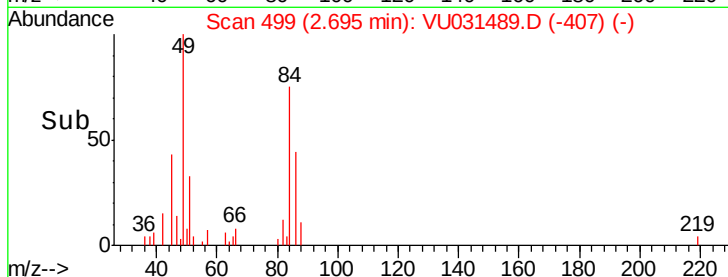
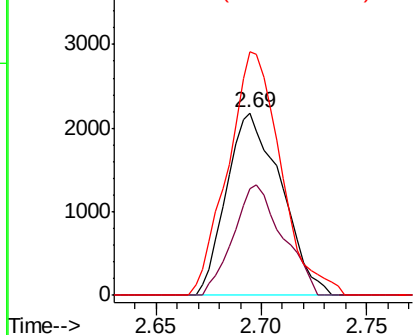
#16  
Methylene chloride  
Concen: 0.171 ug/L  
RT: 2.69 min Scan# 499  
Delta R.T. -0.00 min  
Lab File: VU031489.D  
Acq: 24 Apr 2019 22:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0XG2

Tgt Ion: 84 Resp: 3937  
Ion Ratio Lower Upper  
84 100  
86 58.7 44.9 83.5  
49 133.6 92.9 172.5

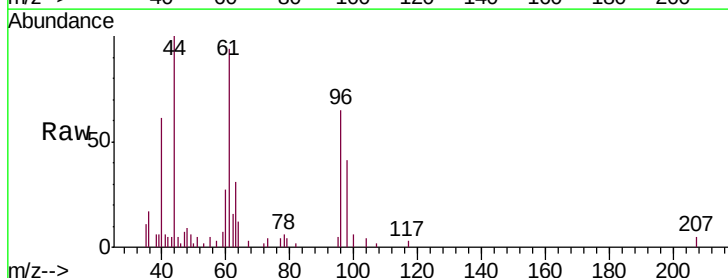


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

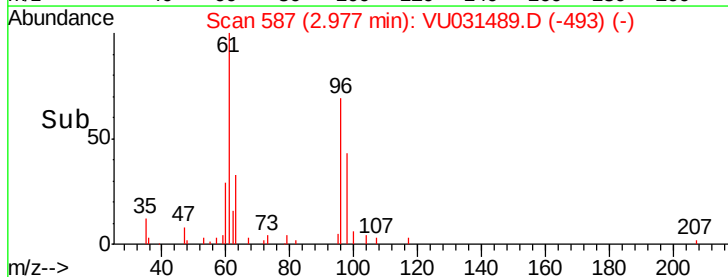
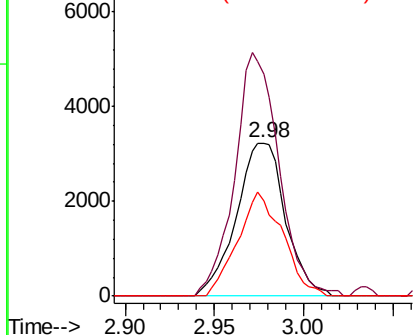


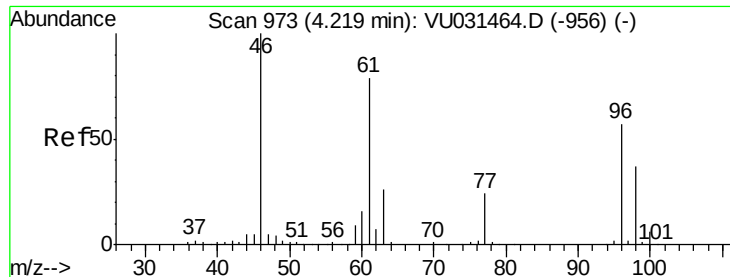
#18  
trans-1,2-Dichloroethene  
Concen: 0.289 ug/L  
RT: 2.98 min Scan# 587  
Delta R.T. 0.00 min  
Lab File: VU031489.D  
Acq: 24 Apr 2019 22:47

Tgt Ion: 96 Resp: 6194  
Ion Ratio Lower Upper  
96 100  
61 144.9 108.4 201.2  
98 62.4 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 97.95 (97.65 to 98.65): VU0



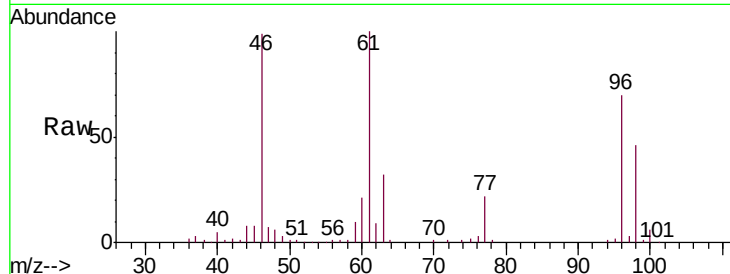


#22

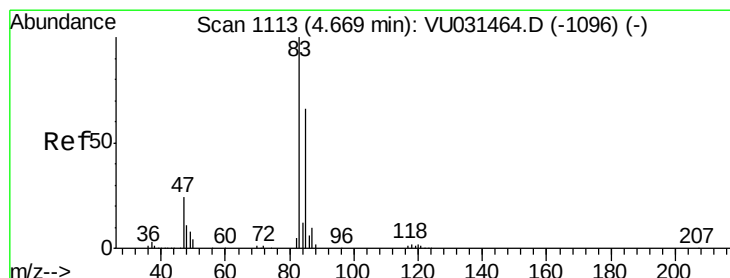
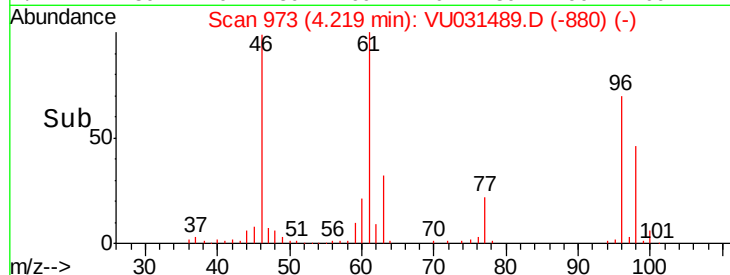
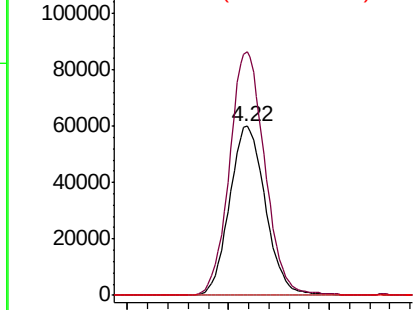
cis-1,2-Dichloroethene  
 Concen: 6.705 ug/L  
 RT: 4.22 min Scan# 973  
 Delta R.T. -0.00 min  
 Lab File: VU031489.D  
 Acq: 24 Apr 2019 22:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XG2

Tgt Ion: 96 Resp: 148474  
 Ion Ratio Lower Upper  
 96 100  
 61 143.9 94.8 176.2  
 68 0.0 0.0 0.0



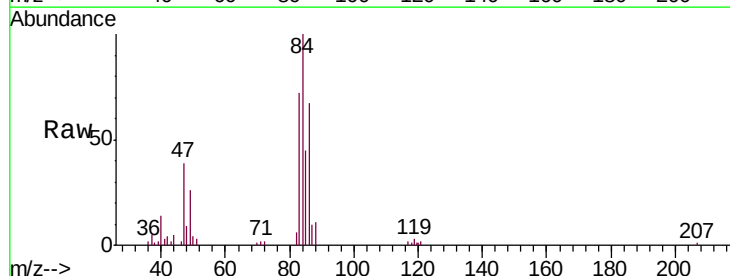
Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0  
 Ion 68.15 (67.85 to 68.85): VU0



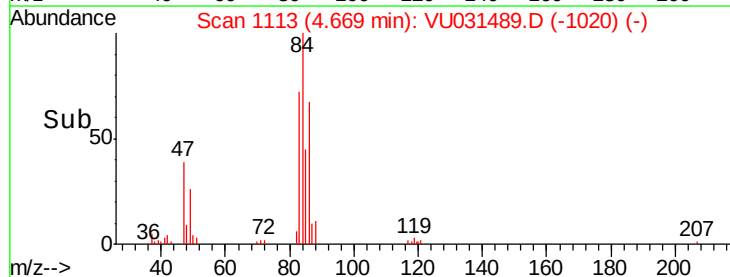
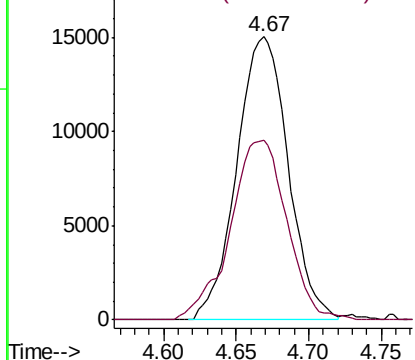
#25

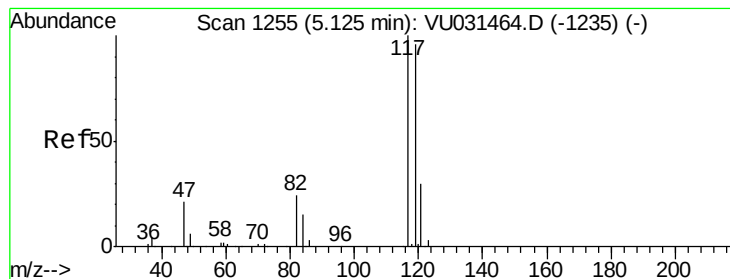
Chloroform  
 Concen: 0.981 ug/L  
 RT: 4.67 min Scan# 1113  
 Delta R.T. -0.00 min  
 Lab File: VU031489.D  
 Acq: 24 Apr 2019 22:47

Tgt Ion: 83 Resp: 37068  
 Ion Ratio Lower Upper  
 83 100  
 85 63.3 46.0 85.4



Abundance Ion 83.05 (82.75 to 83.75): VU0  
 Ion 85.00 (84.70 to 85.70): VU0

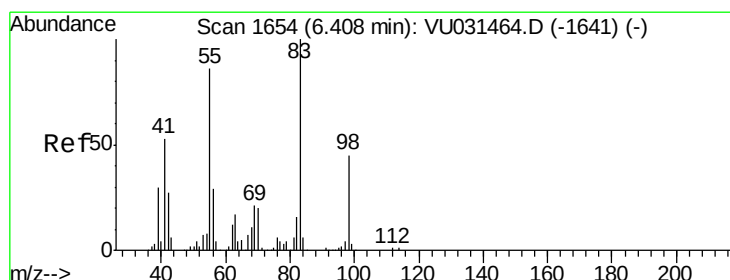
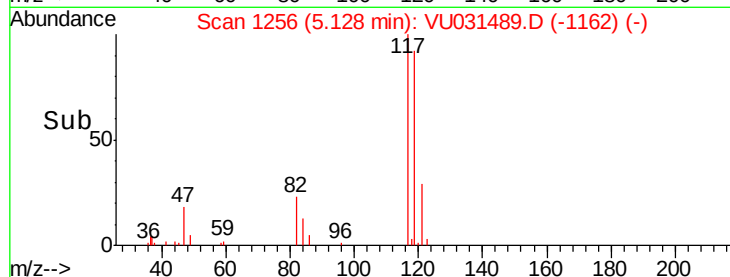
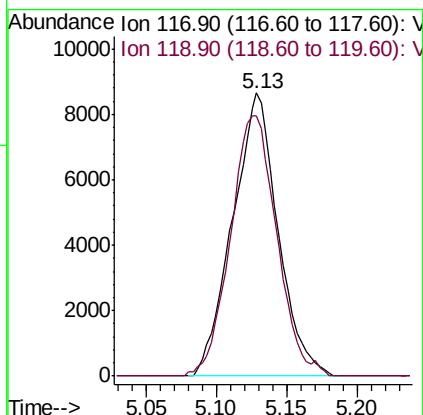
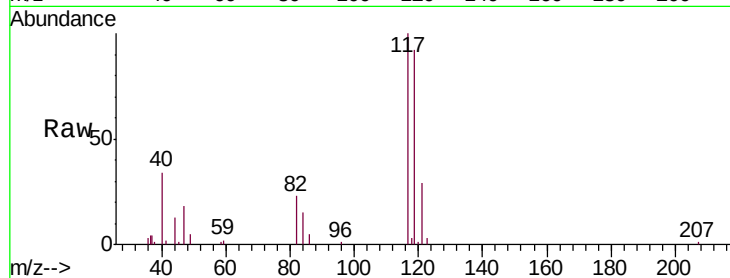




#31  
Carbon tetrachloride  
Concen: 0.661 ug/L  
RT: 5.13 min Scan# 1256  
Delta R.T. 0.00 min  
Lab File: VU031489.D  
Acq: 24 Apr 2019 22:47

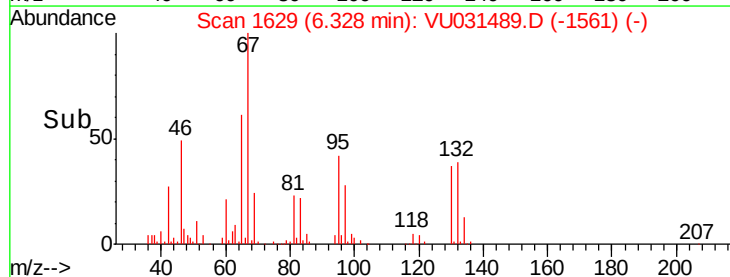
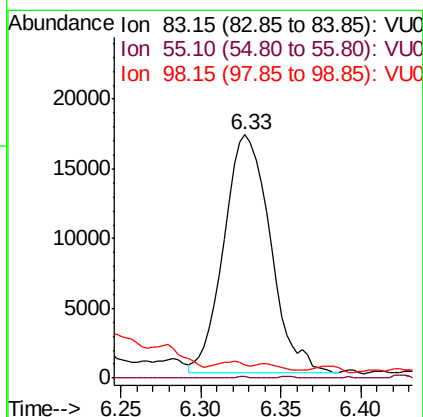
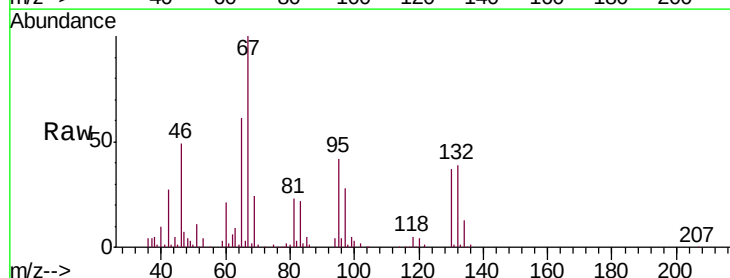
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0XG2

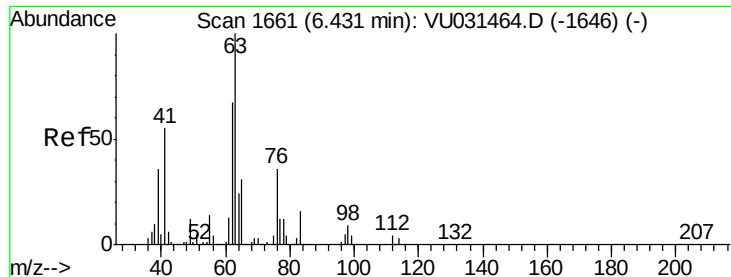
Tgt Ion: 117 Resp: 19465  
Ion Ratio Lower Upper  
117 100  
119 94.0 76.0 114.0



#35  
Methylcyclohexane  
Concen: 0.935 ug/L  
RT: 6.33 min Scan# 1629  
Delta R.T. -0.08 min  
Lab File: VU031489.D  
Acq: 24 Apr 2019 22:47

Tgt Ion: 83 Resp: 33730  
Ion Ratio Lower Upper  
83 100  
55 0.1 71.1 106.7#  
98 0.0 36.6 54.8#

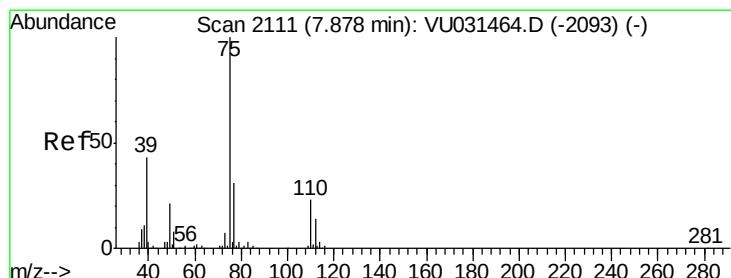
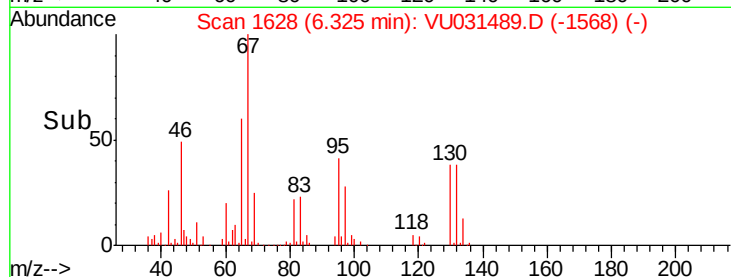
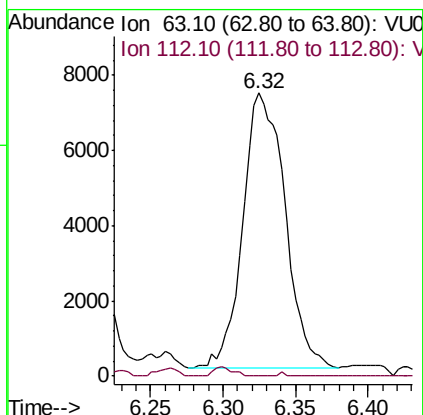
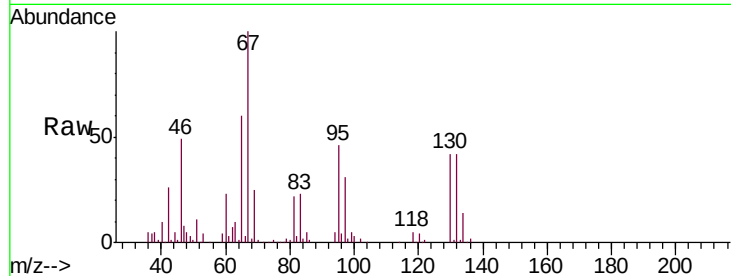




#37  
 1,2-Dichloropropane  
 Concen: 0.596 ug/L  
 RT: 6.32 min Scan# 1628  
 Delta R.T. -0.11 min  
 Lab File: VU031489.D  
 Acq: 24 Apr 2019 22:47

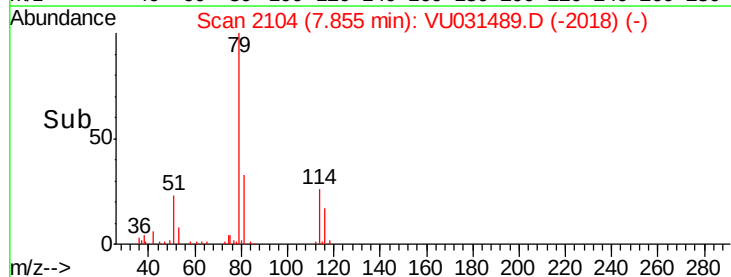
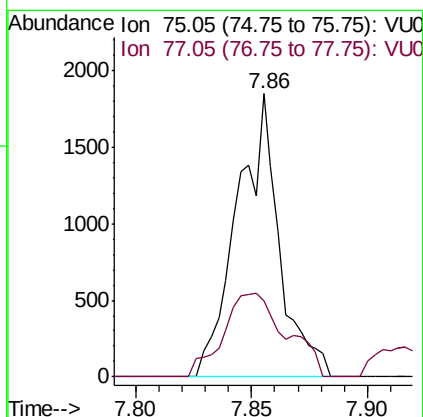
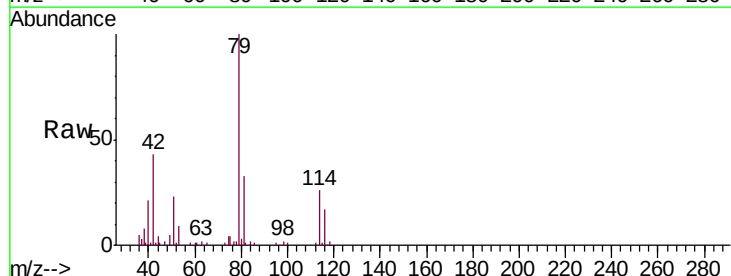
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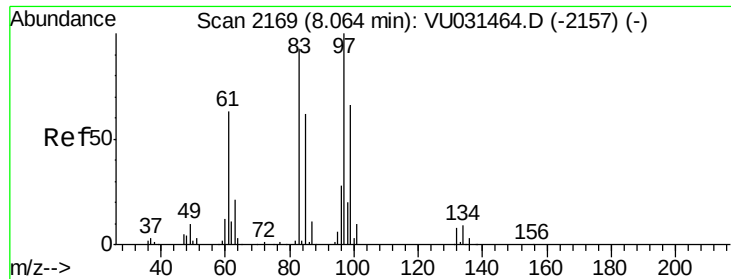
Tgt Ion: 63 Resp: 14782  
 Ion Ratio Lower Upper  
 63 100  
 112 1.5 3.0 4.6#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.088 ug/L  
 RT: 7.86 min Scan# 2104  
 Delta R.T. -0.02 min  
 Lab File: VU031489.D  
 Acq: 24 Apr 2019 22:47

Tgt Ion: 75 Resp: 2347  
 Ion Ratio Lower Upper  
 75 100  
 77 26.8 22.5 41.7

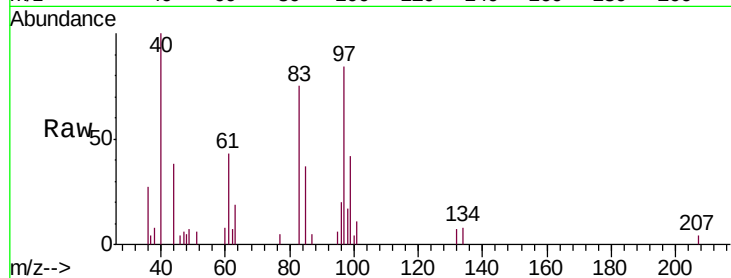




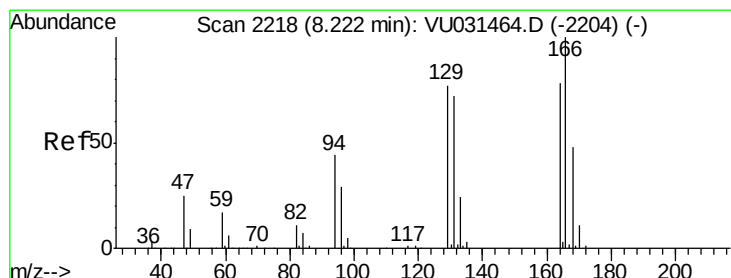
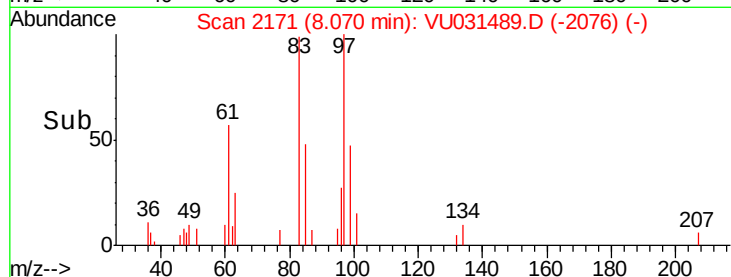
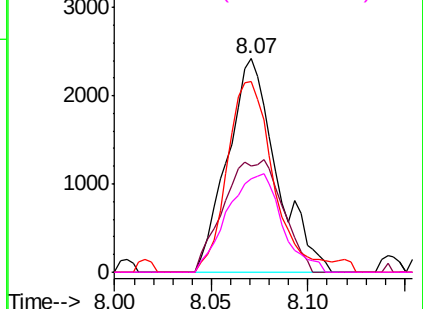
#45  
 1,1,2-Trichloroethane  
 Concen: 0.253 ug/L  
 RT: 8.07 min Scan# 2171  
 Delta R.T. 0.01 min  
 Lab File: VU031489.D  
 Acq: 24 Apr 2019 22:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XG2

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 4272  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 49.5  | 41.2  | 76.6  |
| 83       | 89.1  | 62.2  | 115.4 |
| 85       | 43.6  | 39.2  | 72.8  |

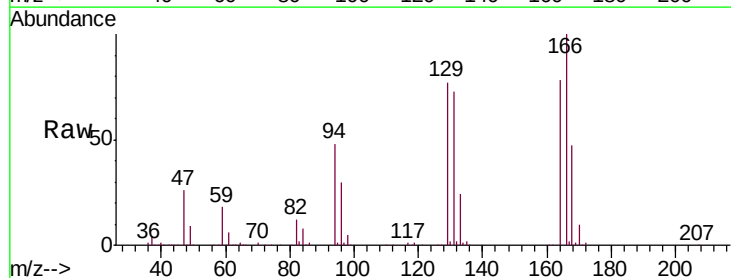


Abundance Ion 96.95 (96.65 to 97.65): VU0  
 Ion 99.05 (98.75 to 99.75): VU0  
 Ion 82.95 (82.65 to 83.65): VU0  
 Ion 85.00 (84.70 to 85.70): VU0

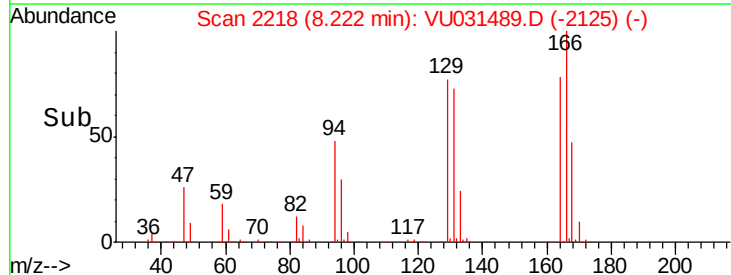
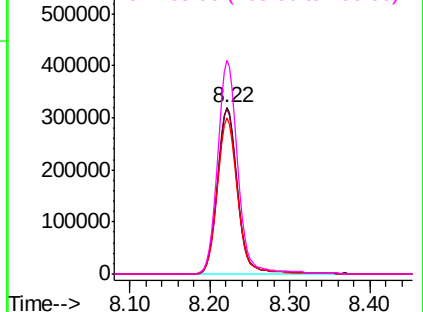


#47  
 Tetrachloroethene  
 Concen: 33.203 ug/L  
 RT: 8.22 min Scan# 2218  
 Delta R.T. -0.00 min  
 Lab File: VU031489.D  
 Acq: 24 Apr 2019 22:47

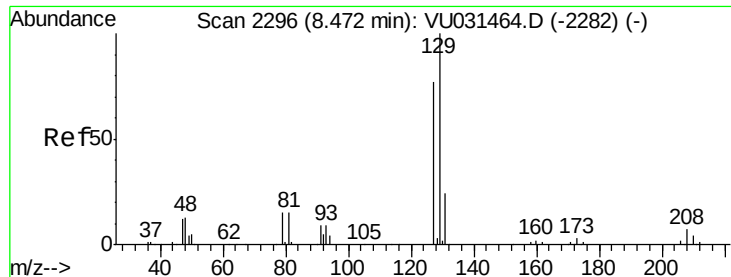
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 565739 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 99.2  | 67.5  | 125.3  |
| 131      | 93.9  | 64.0  | 119.0  |
| 166      | 128.6 | 88.5  | 164.4  |



Abundance Ion 163.90 (163.60 to 164.60): V  
 Ion 128.95 (128.65 to 129.65): V  
 Ion 130.95 (130.65 to 131.65): V  
 Ion 165.90 (165.60 to 166.60): V







#49

Dibromochloromethane

Concen: 29.652 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU031489.D

Acq: 24 Apr 2019 22:47

Instrument :

MSVOA\_U

ClientSampleId :

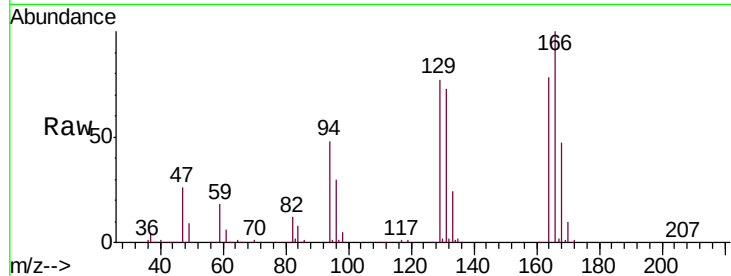
C0XG2

Tgt Ion:129 Resp: 561468

Ion Ratio Lower Upper

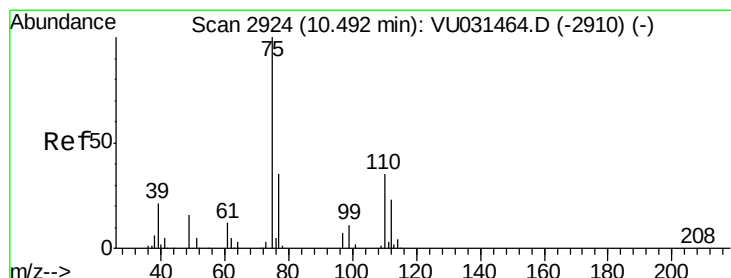
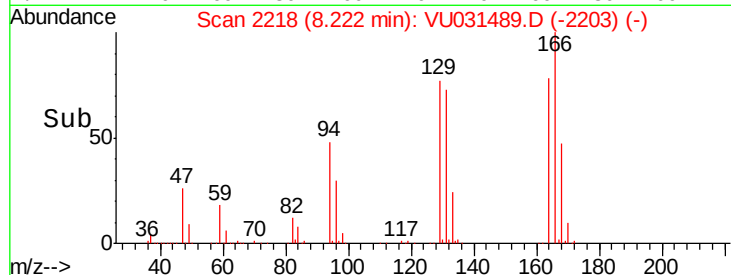
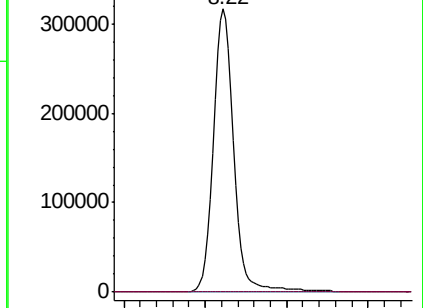
129 100

127 0.1 56.6 105.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.888 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031489.D

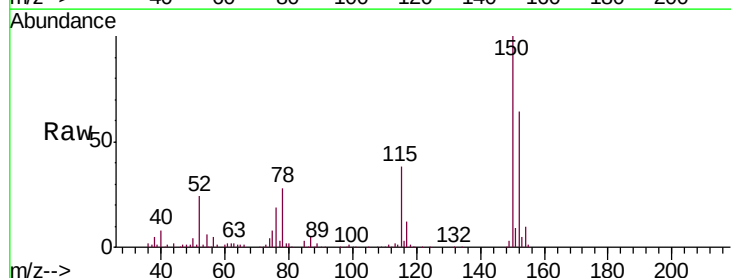
Acq: 24 Apr 2019 22:47

Tgt Ion: 75 Resp: 13867

Ion Ratio Lower Upper

75 100

77 43.9 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

