

Data File : VU031725.D  
Acq On : 02 May 2019 20:22  
Operator : JC/SP  
Sample : K2661-13 50X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B33

Quant Time: May 03 07:29:29 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 03 07:25:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 971710   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 902309   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 369641   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 408957   | 50.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 100.58% |
| 7) Chloroethane-d5             | 1.68    | 69    | 298628   | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.04%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 582005   | 35.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.88%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 704999   | 95.68    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.68%  |
| 24) Chloroform-d               | 4.80    | 84    | 267      | 0.02     | ug/L | 0.16    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 0.04%#  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 421411   | 43.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.62%  |
| 32) Benzene-d6                 | 5.33    | 84    | 1354424  | 48.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 463441   | 47.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.08%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1161452  | 48.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.26%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 190766   | 45.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.18%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 473124   | 112.13   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 112.13% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 578473   | 44.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.44%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 365868   | 47.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.14%  |

#### Target Compounds

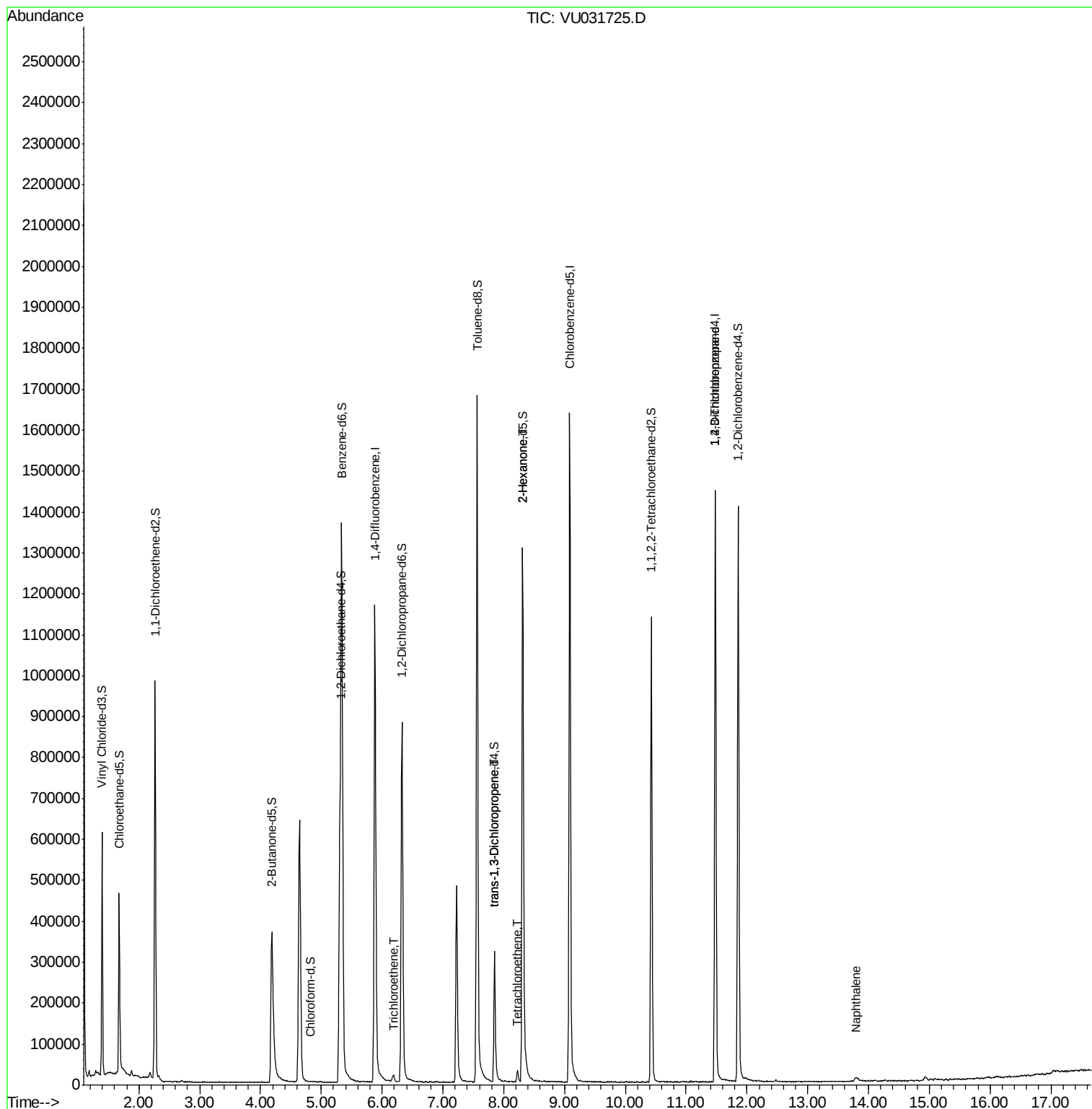
|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 34) Trichloroethene           | 6.19  | 95  | 3631  | 0.452 ug/L   | 77     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75  | 6858  | 0.608 ug/L # | 79     |
| 46) Tetrachloroethene         | 8.22  | 164 | 6270  | 1.144 ug/L   | 89     |
| 48) 2-Hexanone                | 8.31  | 43  | 57639 | 4.918 ug/L # | 72     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75  | 49398 | 4.424 ug/L   | 95     |
| 69) Naphthalene               | 13.80 | 128 | 11150 | 0.451 ug/L # | 76     |

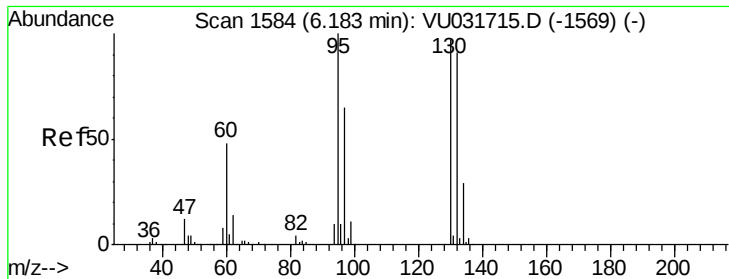
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Title : VOC Analysis  
QLast Update : Fri May 03 07:25:23 2019  
Response via : Initial Calibration

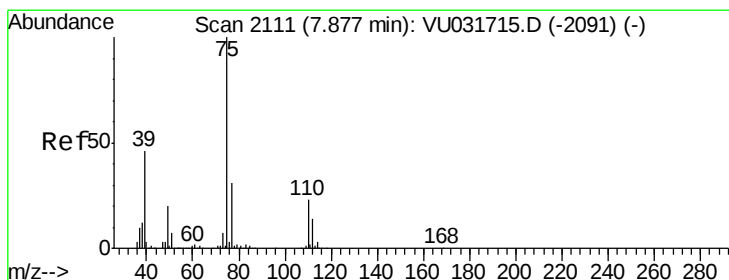
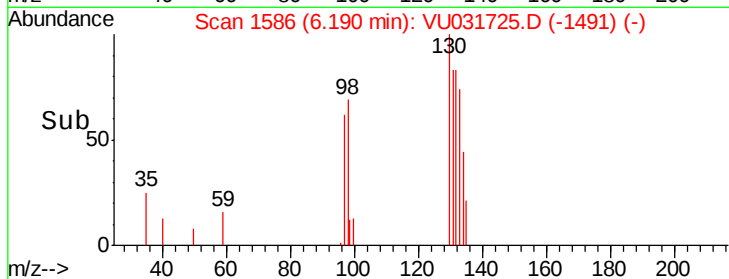
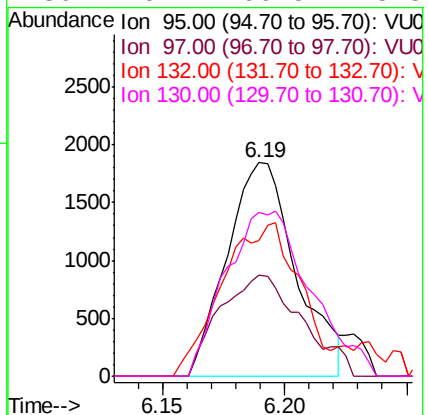
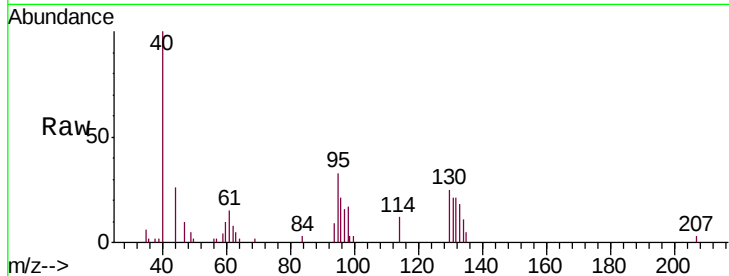




#34  
 Trichloroethene  
 Concen: 0.452 ug/L  
 RT: 6.19 min Scan# 1586  
 Delta R.T. 0.01 min  
 Lab File: VU031725.D  
 Acq: 02 May 2019 20:22

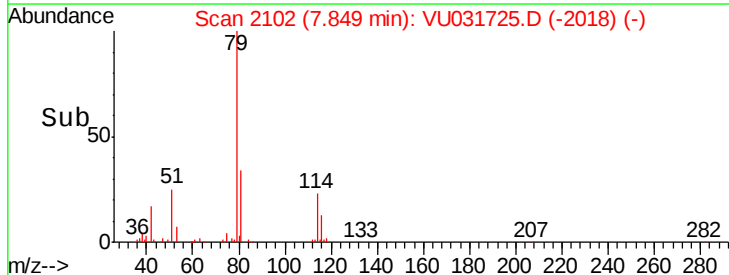
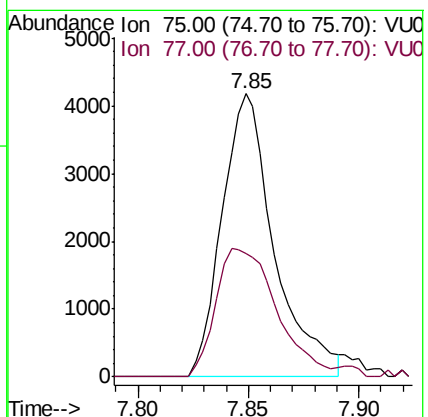
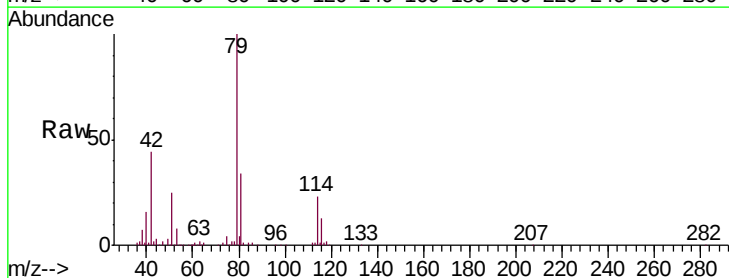
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 C0B33

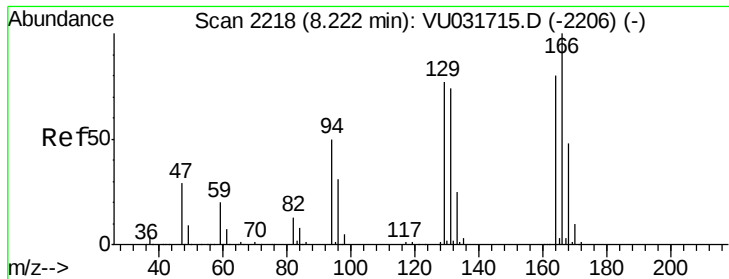
Tgt Ion: 95 Resp: 3631  
 Ion Ratio Lower Upper  
 95 100  
 97 47.6 44.8 83.2  
 132 63.5 63.1 117.1  
 130 76.7 66.5 123.5



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.608 ug/L  
 RT: 7.85 min Scan# 2102  
 Delta R.T. -0.03 min  
 Lab File: VU031725.D  
 Acq: 02 May 2019 20:22

Tgt Ion: 75 Resp: 6858  
 Ion Ratio Lower Upper  
 75 100  
 77 43.4 22.1 41.1#

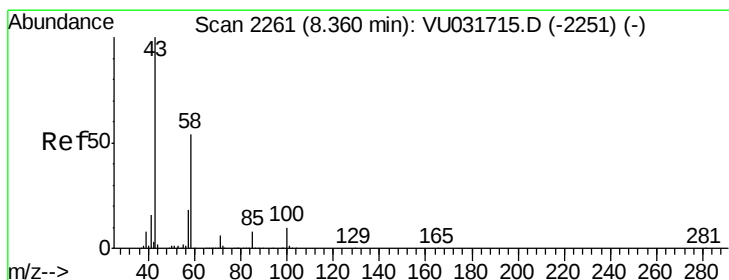
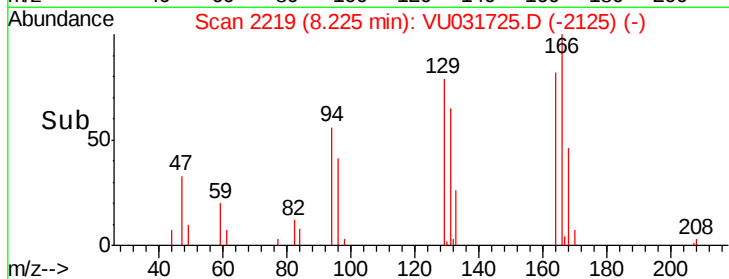
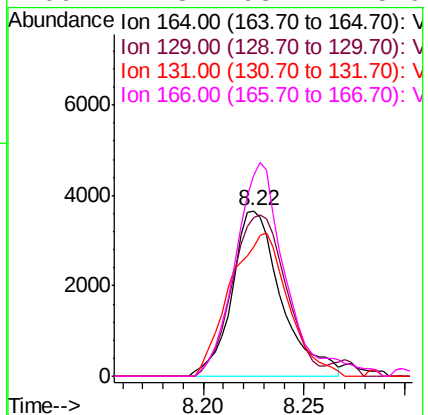
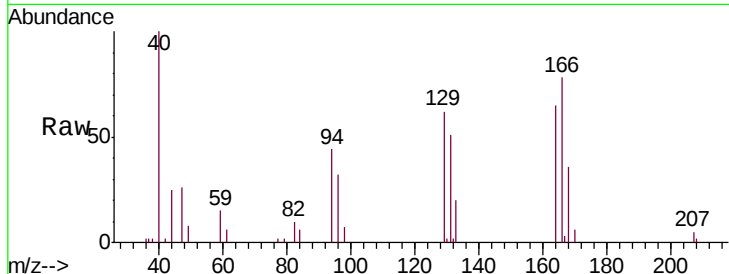




#46  
Tetrachloroethene  
Concen: 1.144 ug/L  
RT: 8.22 min Scan# 2219  
Delta R.T. 0.00 min  
Lab File: VU031725.D  
Acq: 02 May 2019 20:22

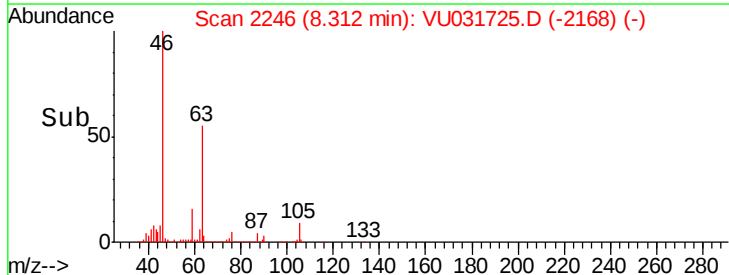
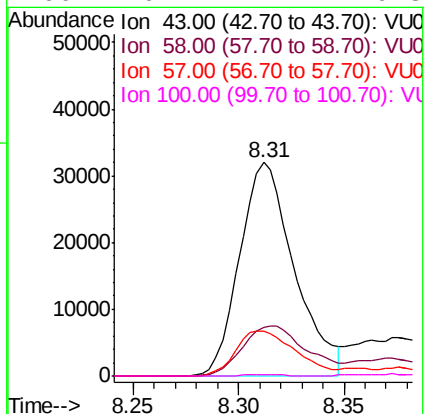
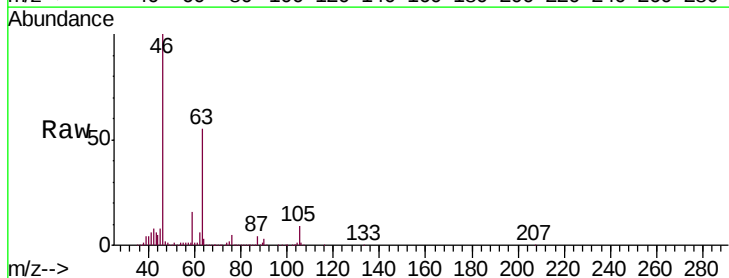
Instrument :  
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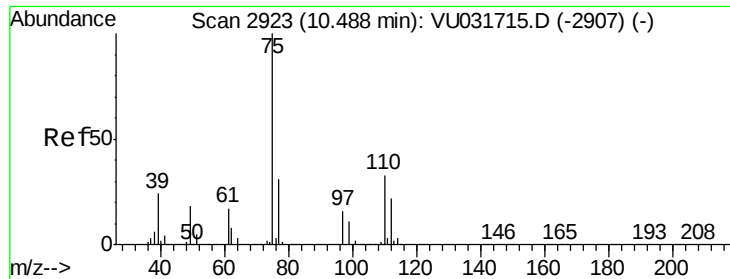
Tgt Ion:164 Resp: 6270  
Ion Ratio Lower Upper  
164 100  
129 95.5 71.5 132.9  
131 82.0 69.0 128.2  
166 121.3 93.7 173.9



#48  
2-Hexanone  
Concen: 4.918 ug/L  
RT: 8.31 min Scan# 2246  
Delta R.T. -0.05 min  
Lab File: VU031725.D  
Acq: 02 May 2019 20:22

Tgt Ion: 43 Resp: 57639  
Ion Ratio Lower Upper  
43 100  
58 28.2 42.1 63.1#  
57 23.4 14.6 22.0#  
100 0.2 7.2 10.8#

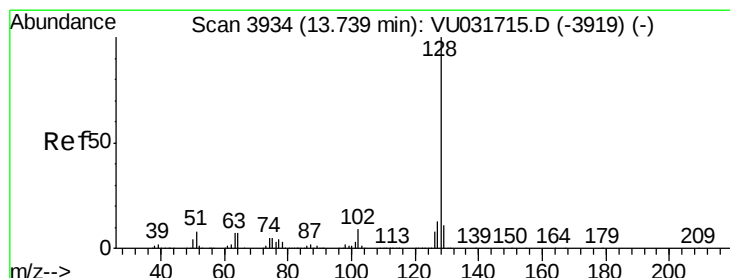
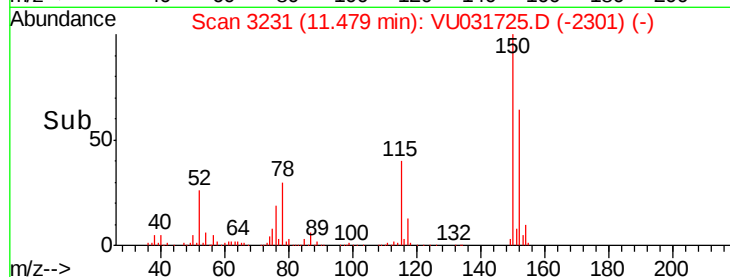
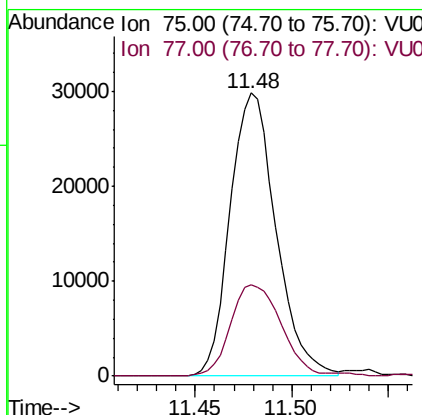
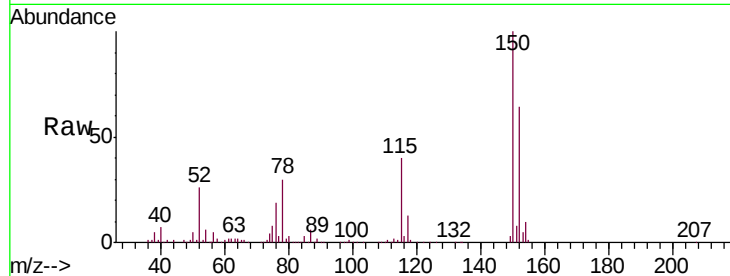




#59  
 1,2,3-Trichloropropane  
 Concen: 4.424 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
 Lab File: VU031725.D  
 Acq: 02 May 2019 20:22

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0B33

Tgt Ion: 75 Resp: 49398  
 Ion Ratio Lower Upper  
 75 100  
 77 35.4 25.9 38.9



#69  
 Naphthalene  
 Concen: 0.451 ug/L  
 RT: 13.80 min Scan# 3952  
 Delta R.T. 0.06 min  
 Lab File: VU031725.D  
 Acq: 02 May 2019 20:22

Tgt Ion: 128 Resp: 11150  
 Ion Ratio Lower Upper  
 128 100  
 127 2.3 10.6 15.8#  
 129 3.4 8.7 13.1#

