

Data File : VU031745.D  
Acq On : 03 May 2019 13:21  
Operator : JC/SP  
Sample : K2661-06DL 10X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B26DL

Quant Time: May 04 02:39:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat May 04 02:35:16 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 867969   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 812971   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 322390   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 353698   | 48.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.38%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 275577   | 49.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.18%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 513575   | 35.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.00%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 675686   | 102.66   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.66% |
| 24) Chloroform-d               | 4.64    | 84    | 574110   | 43.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.30%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 386573   | 44.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.96%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1185364  | 47.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.96%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 408821   | 46.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.10%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1016492  | 46.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.50%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 166601   | 44.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.38%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 411328   | 108.20   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.20% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 531650   | 45.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 314067   | 46.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.64%  |

#### Target Compounds

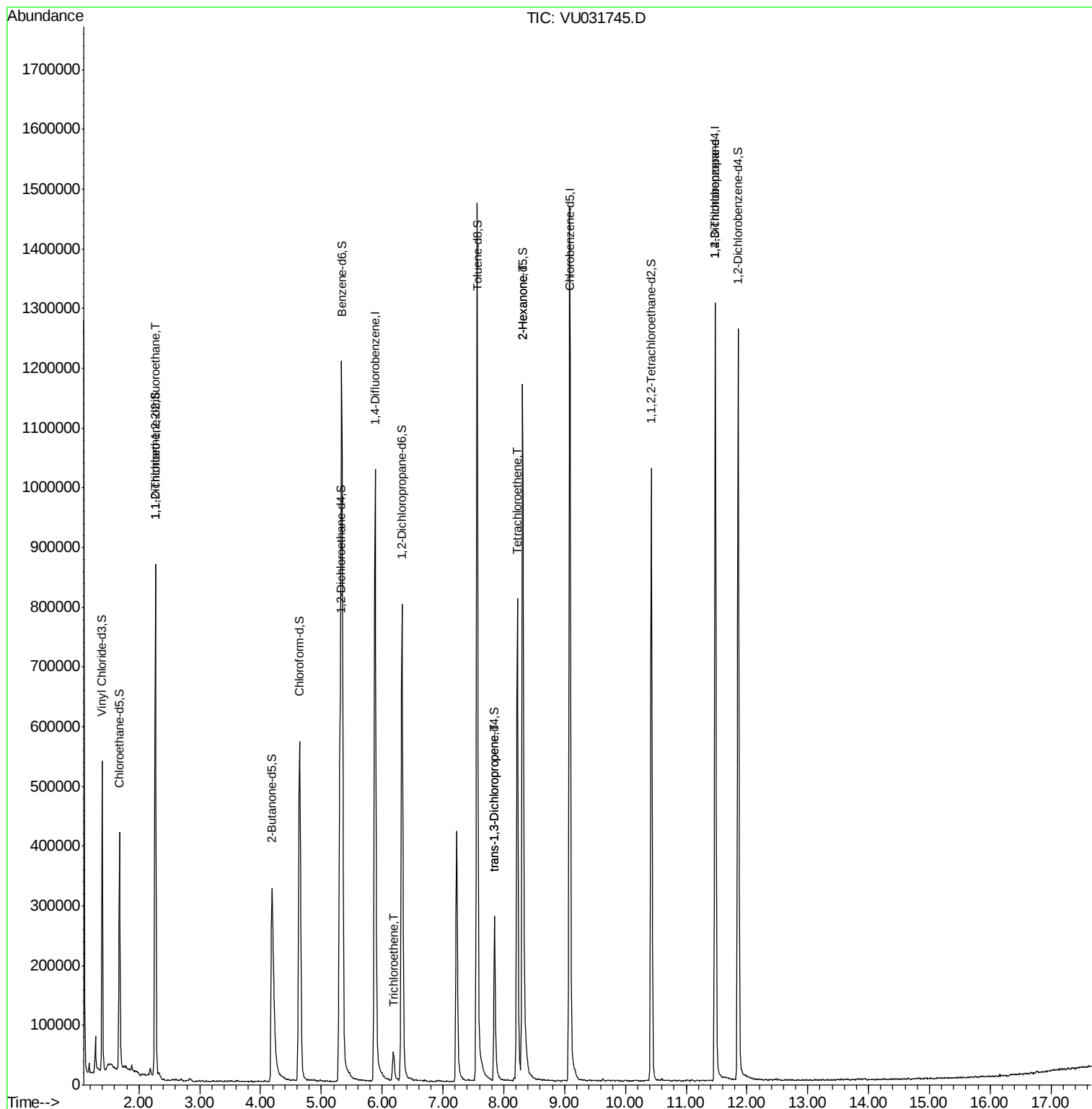
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 3937   | 0.566 ug/L # | 21     |
| 34) Trichloroethene            | 6.19  | 95  | 16084  | 2.220 ug/L   | 92     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 6396   | 0.629 ug/L   | 97     |
| 46) Tetrachloroethene          | 8.22  | 164 | 179671 | 36.375 ug/L  | 93     |
| 48) 2-Hexanone                 | 8.31  | 43  | 50262  | 4.760 ug/L # | 77     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 41670  | 4.142 ug/L   | 89     |

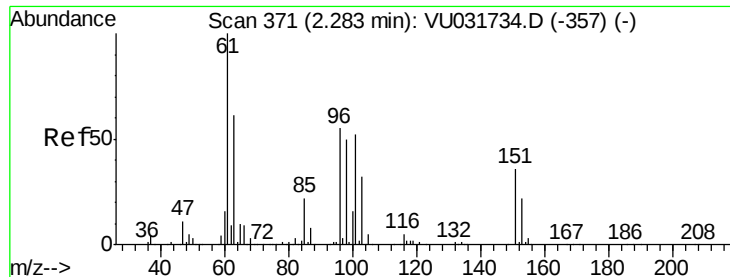
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat May 04 02:35:16 2019  
Response via : Initial Calibration





#10

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

Concen: 0.566 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031745.D

Acq: 03 May 2019 13:21

Instrument :

MSVOA\_U

ClientSampleId :

C0B26DL

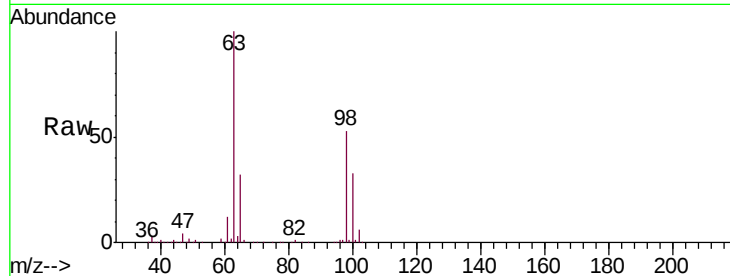
Tgt Ion:101 Resp: 3937

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

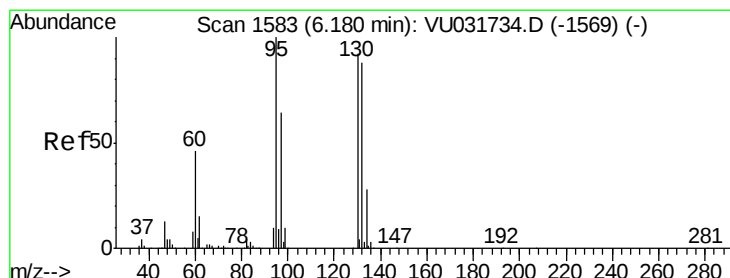
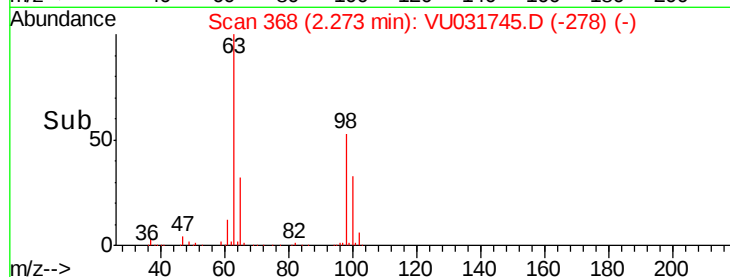
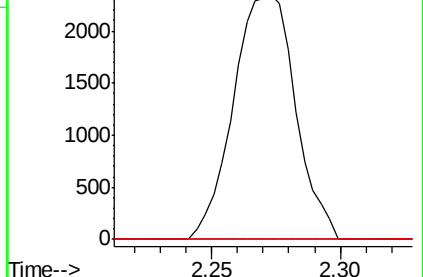
151 0.0 56.1 84.1#



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



#34

Trichloroethene

Concen: 2.220 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU031745.D

Acq: 03 May 2019 13:21

Tgt Ion: 95 Resp: 16084

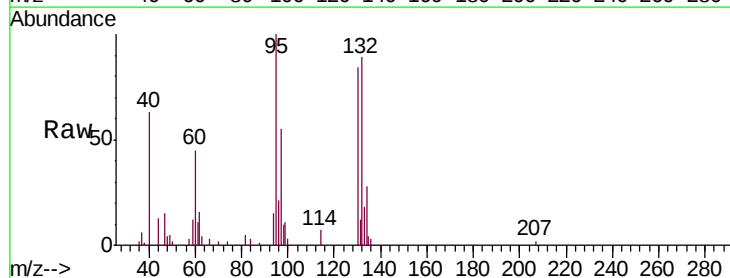
Ion Ratio Lower Upper

95 100

97 54.8 44.8 83.2

132 88.6 63.1 117.1

130 84.4 66.5 123.5

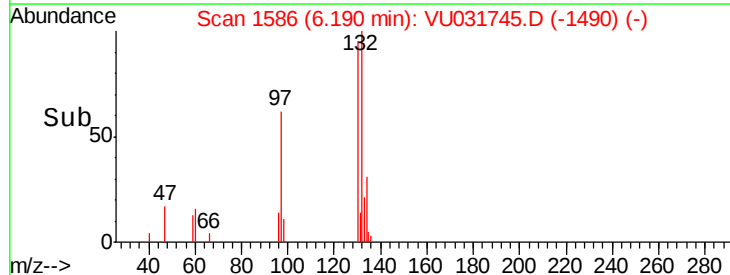
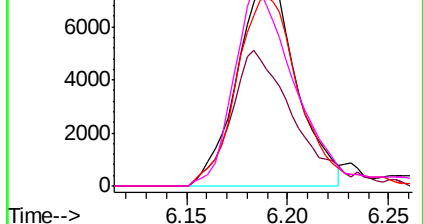


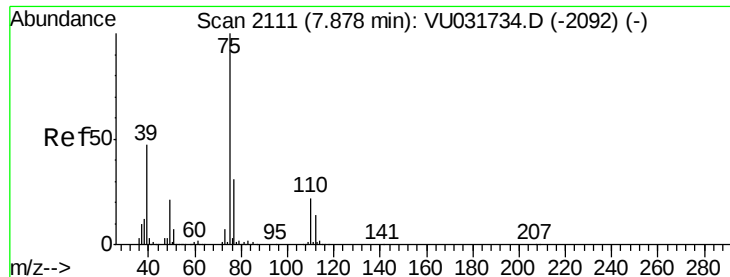
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#44

trans-1,3-Dichloropropene

Concen: 0.629 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031745.D

Acq: 03 May 2019 13:21

Instrument :

MSVOA\_U

ClientSampleId :

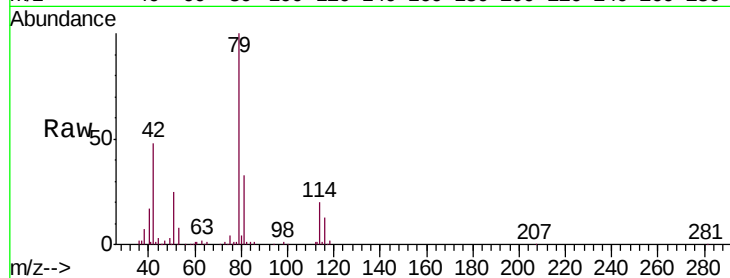
C0B26DL

Tgt Ion: 75 Resp: 6396

Ion Ratio Lower Upper

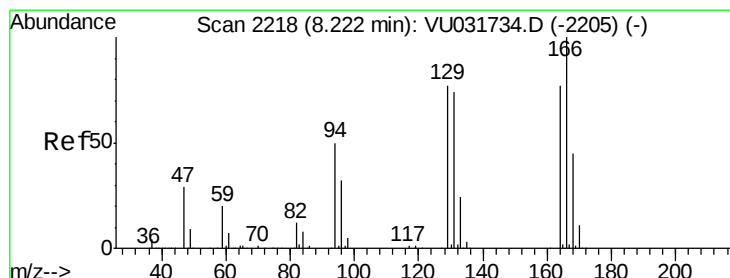
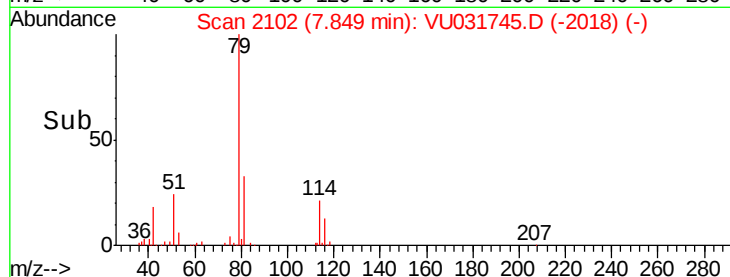
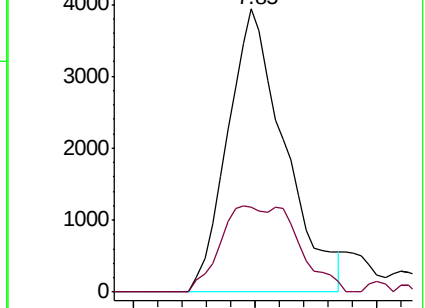
75 100

77 29.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031734.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031734.D (-2092) (-)



#46

Tetrachloroethene

Concen: 36.375 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031745.D

Acq: 03 May 2019 13:21

Tgt Ion: 164 Resp: 179671

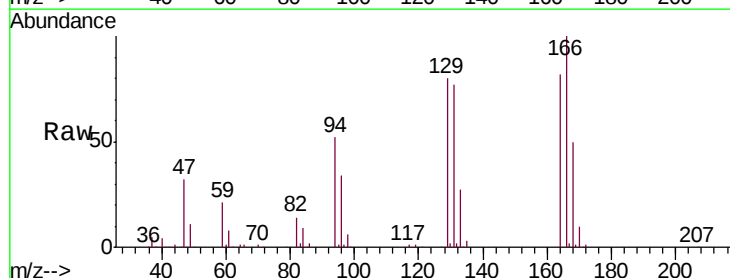
Ion Ratio Lower Upper

164 100

129 97.3 71.5 132.9

131 94.4 69.0 128.2

166 122.0 93.7 173.9

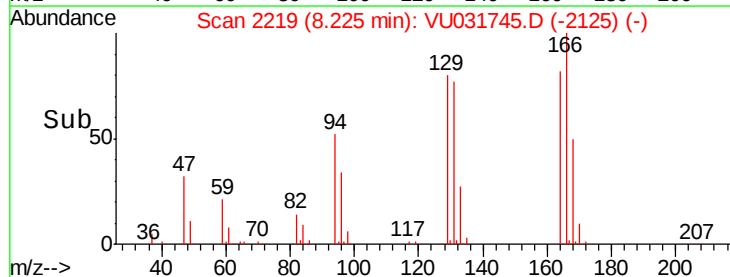
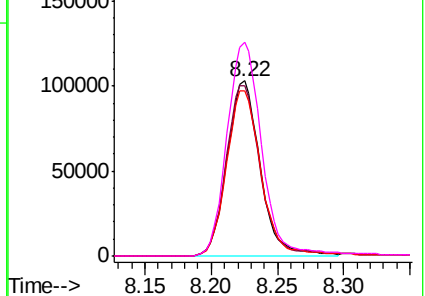


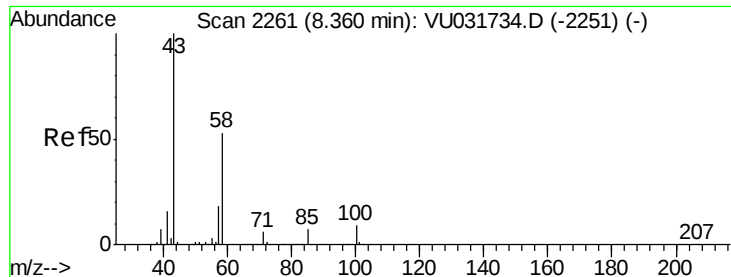
Abundance Ion 164.00 (163.70 to 164.70): VU031734.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU031734.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU031734.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031734.D (-2205) (-)

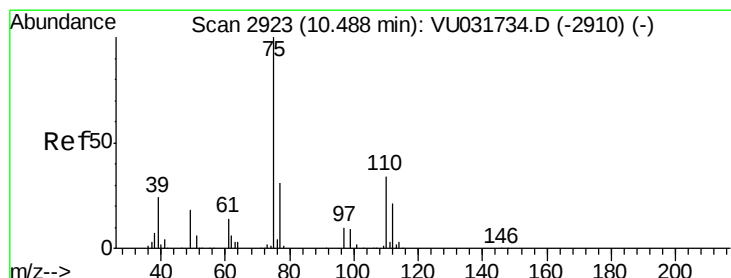
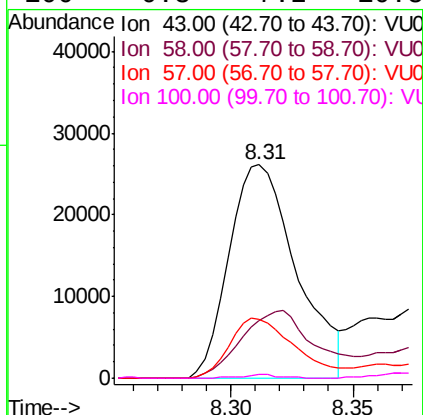
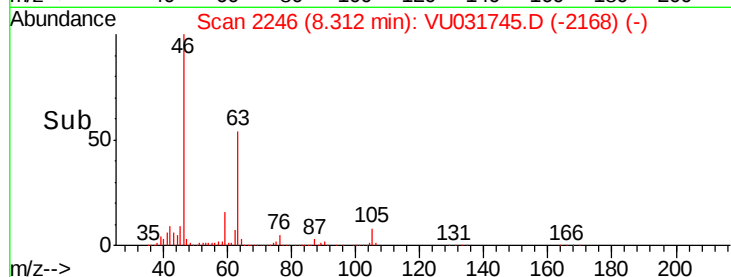
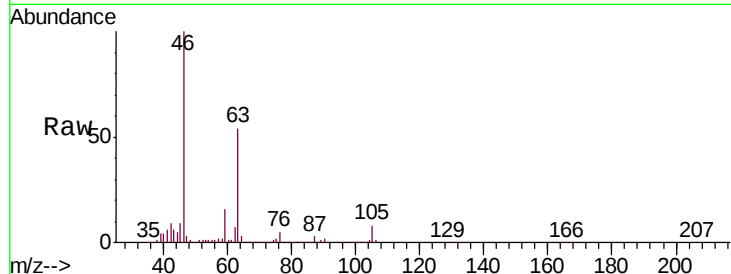




#48  
2-Hexanone  
Concen: 4.760 ug/L  
RT: 8.31 min Scan# 2246  
Delta R.T. -0.05 min  
Lab File: VU031745.D  
Acq: 03 May 2019 13:21

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0B26DL

Tgt Ion: 43 Resp: 50262  
Ion Ratio Lower Upper  
43 100  
58 35.8 42.1 63.1#  
57 27.4 14.6 22.0#  
100 0.3 7.2 10.8#



#59  
1,2,3-Trichloropropane  
Concen: 4.142 ug/L  
RT: 11.48 min Scan# 3231  
Delta R.T. 0.99 min  
Lab File: VU031745.D  
Acq: 03 May 2019 13:21

Tgt Ion: 75 Resp: 41670  
Ion Ratio Lower Upper  
75 100  
77 38.6 25.9 38.9

