

Data File : VU031700.D  
Acq On : 02 May 2019 10:29  
Operator : JC/SP  
Sample : VU0502MBL01  
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK53

Quant Time: May 03 04:40:34 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 03 04:37:29 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 878856   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 832608   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 349897   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 329232   | 44.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.52%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 265649   | 46.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.48%  |
| 11) 1,1-Dichloroethene-d2      | 2.40    | 63    | 302      | 0.02     | ug/L | 0.13    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 0.04%#  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 642558   | 96.42    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.42%  |
| 24) Chloroform-d               | 4.77    | 84    | 438      | 0.03     | ug/L | 0.13    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 0.06%#  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 366803   | 41.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.36%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1109209  | 43.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 390383   | 43.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.80%  |
| 41) Toluene-d8                 | 7.56    | 98    | 950207   | 42.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.34%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 158144   | 40.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.92%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 403063   | 103.53   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.53% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 519965   | 43.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 333265   | 45.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.58%  |

#### Target Compounds

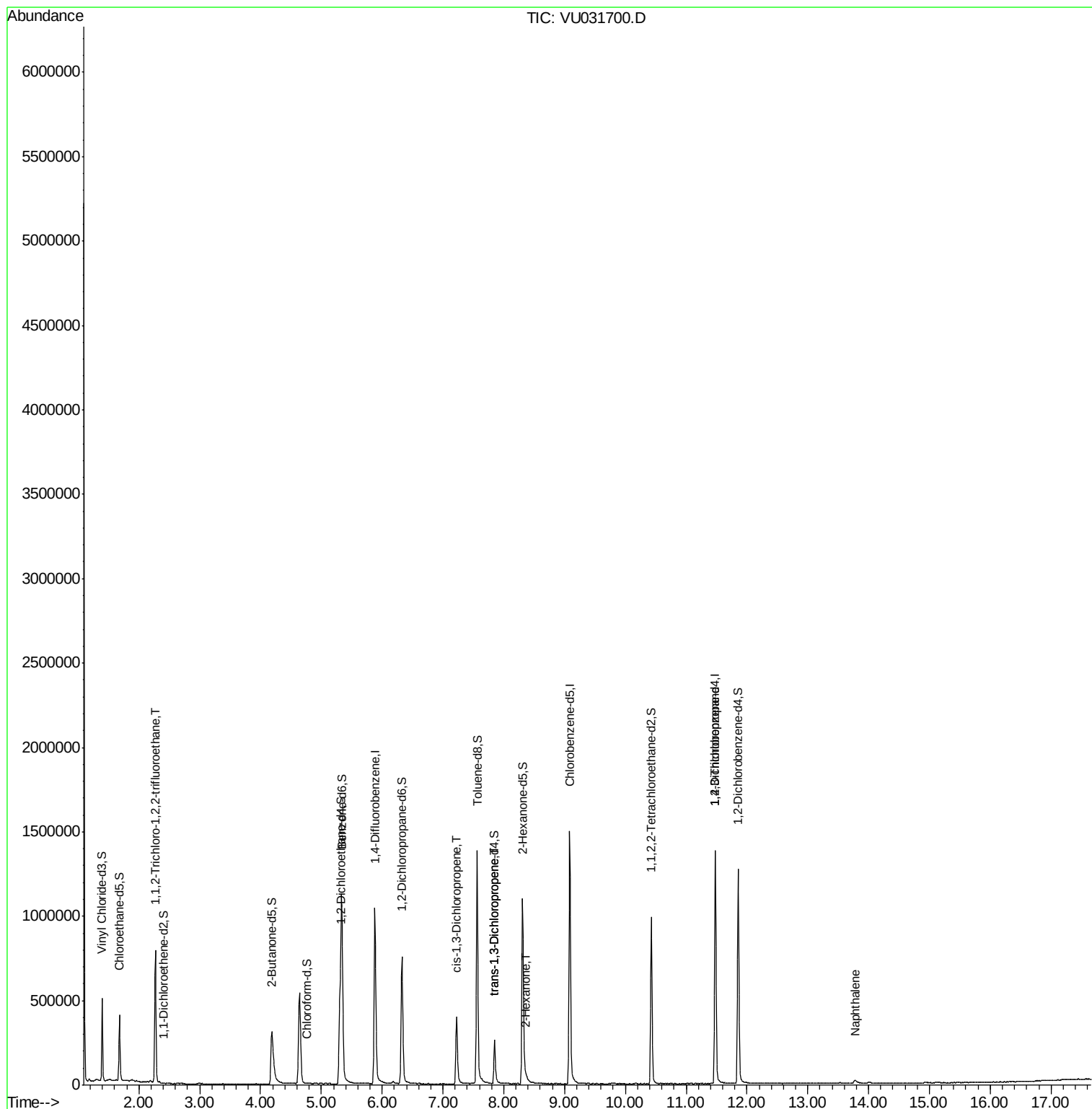
|                                |       |     |       |       |        | Qvalue |
|--------------------------------|-------|-----|-------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 4228  | 0.600 | ug/L # | 23     |
| 39) cis-1,3-Dichloropropene    | 7.22  | 75  | 9512  | 0.828 | ug/L # | 54     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 6895  | 0.662 | ug/L   | 97     |
| 48) 2-Hexanone                 | 8.37  | 43  | 17439 | 1.613 | ug/L # | 73     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 47839 | 4.643 | ug/L   | 95     |
| 69) Naphthalene                | 13.78 | 128 | 18119 | 0.774 | ug/L # | 77     |

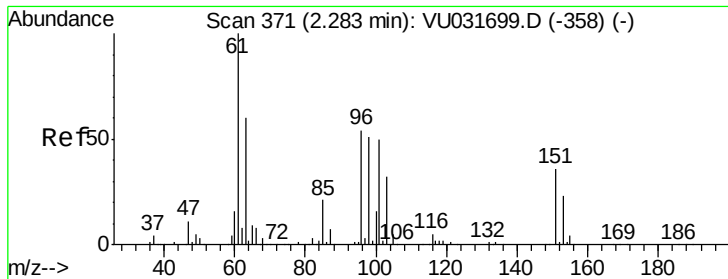
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
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VBLK53

Quant Time: May 03 04:40:34 2019  
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Response via : Initial Calibration





#10

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

Concen: 0.600 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031700.D

Acq: 02 May 2019 10:29

Instrument :

MSVOA\_U

ClientSampleId :

VBLK53

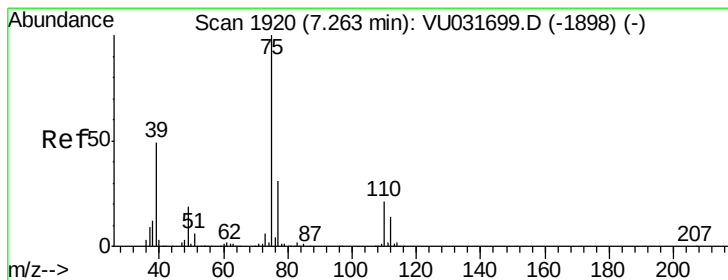
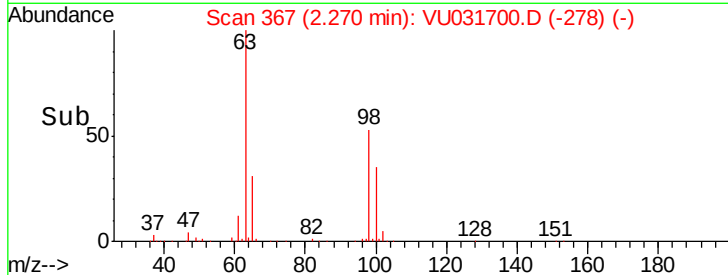
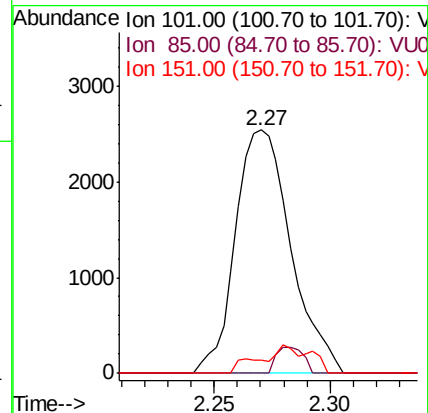
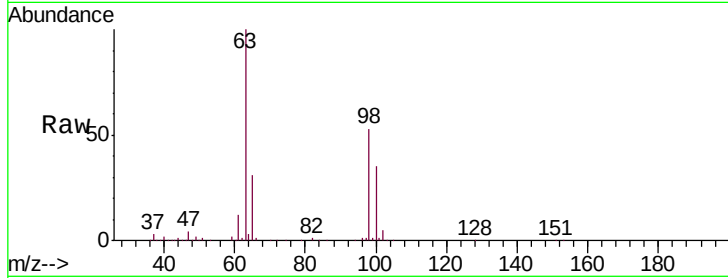
Tgt Ion:101 Resp: 4228

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 3.1 56.1 84.1#



#39

cis-1,3-Dichloropropene

Concen: 0.828 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031700.D

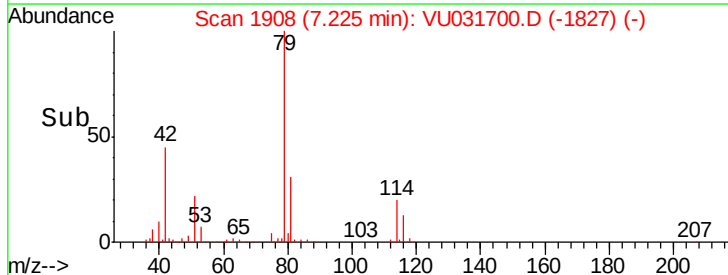
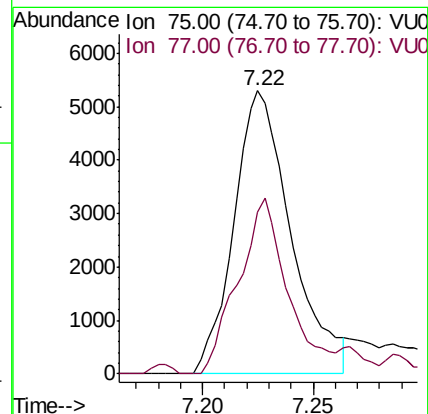
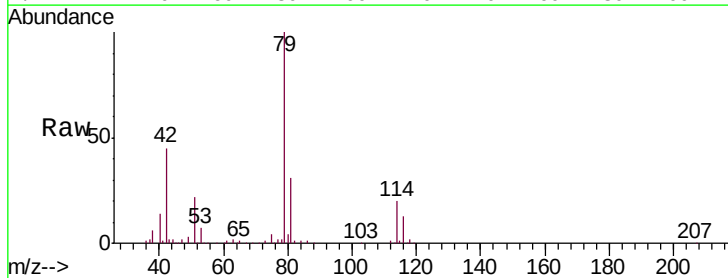
Acq: 02 May 2019 10:29

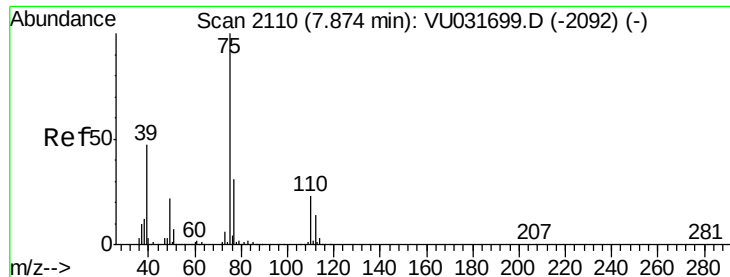
Tgt Ion: 75 Resp: 9512

Ion Ratio Lower Upper

75 100

77 57.3 22.1 41.1#





#44

trans-1,3-Dichloropropene

Concen: 0.662 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031700.D

Acq: 02 May 2019 10:29

Instrument :

MSVOA\_U

ClientSampleId :

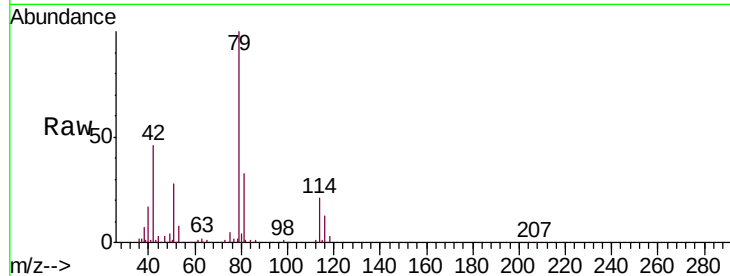
VBLK53

Tgt Ion: 75 Resp: 6895

Ion Ratio Lower Upper

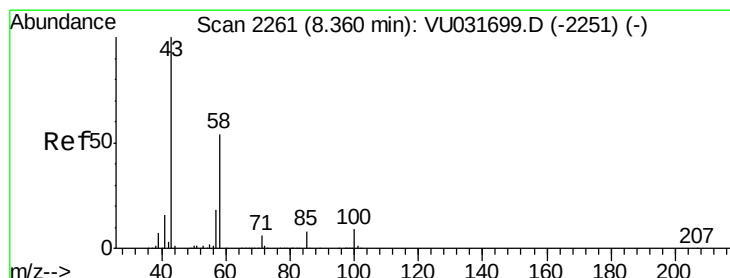
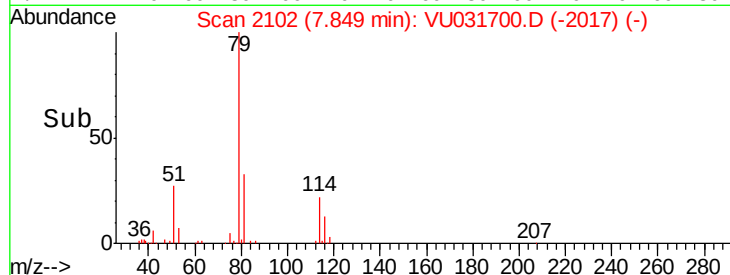
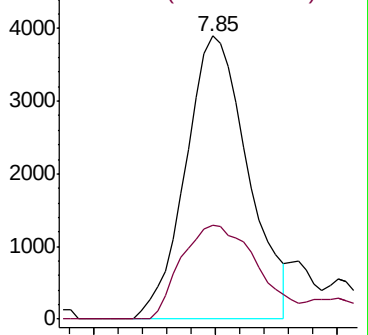
75 100

77 33.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031699.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031699.D (-2092) (-)



#48

2-Hexanone

Concen: 1.613 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU031700.D

Acq: 02 May 2019 10:29

Tgt Ion: 43 Resp: 17439

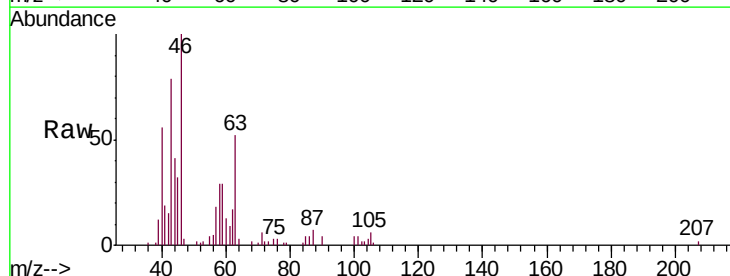
Ion Ratio Lower Upper

43 100

58 24.9 42.1 63.1#

57 18.3 14.6 22.0

100 3.8 7.2 10.8#

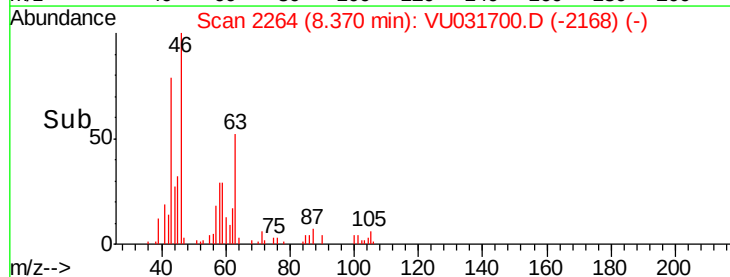
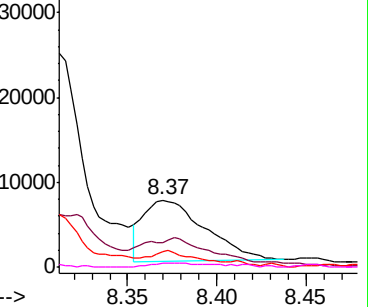


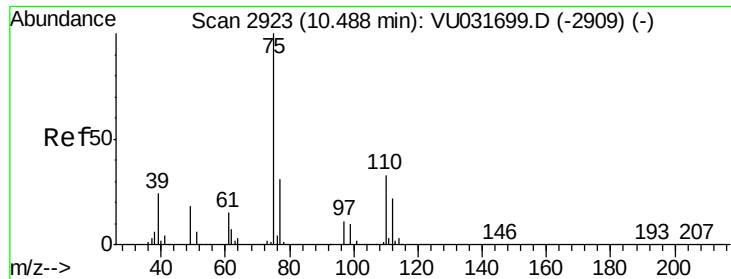
Abundance Ion 43.00 (42.70 to 43.70): VU031699.D (-2251) (-)

Ion 58.00 (57.70 to 58.70): VU031699.D (-2251) (-)

Ion 57.00 (56.70 to 57.70): VU031699.D (-2251) (-)

Ion 100.00 (99.70 to 100.70): VU031699.D (-2251) (-)

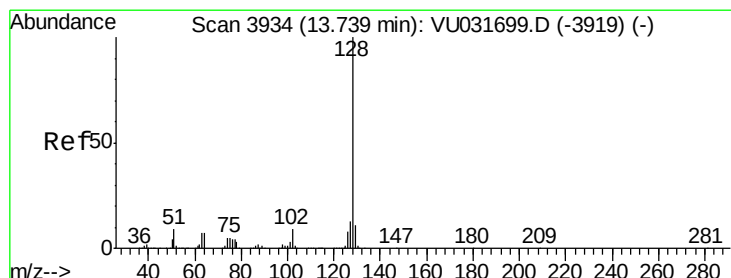
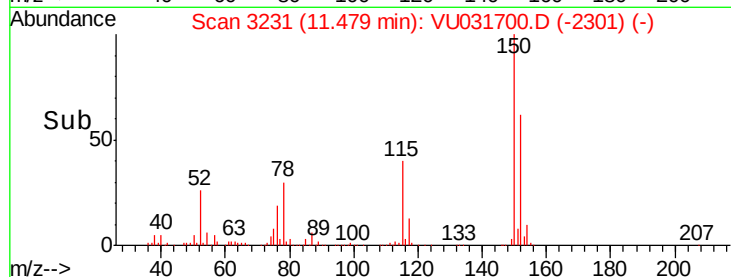
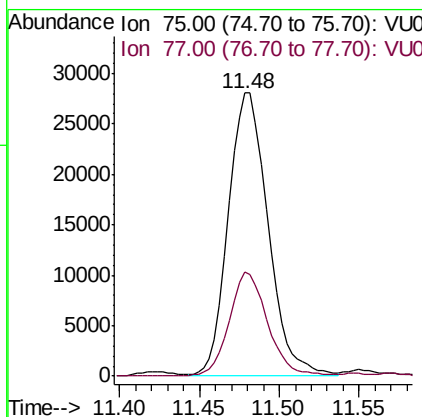
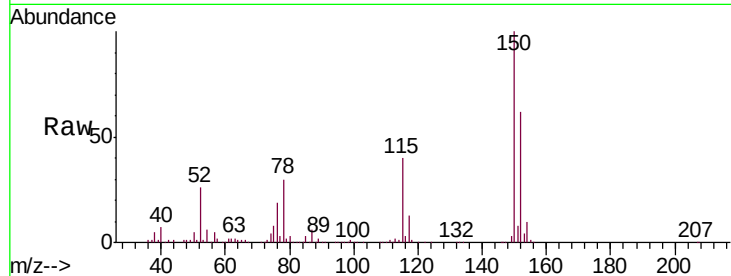




#59  
 1,2,3-Trichloropropane  
 Concen: 4.643 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
 Lab File: VU031700.D  
 Acq: 02 May 2019 10:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK53

Tgt Ion: 75 Resp: 47839  
 Ion Ratio Lower Upper  
 75 100  
 77 35.3 25.9 38.9



#69  
 Naphthalene  
 Concen: 0.774 ug/L  
 RT: 13.78 min Scan# 3946  
 Delta R.T. 0.04 min  
 Lab File: VU031700.D  
 Acq: 02 May 2019 10:29

Tgt Ion: 128 Resp: 18119  
 Ion Ratio Lower Upper  
 128 100  
 127 1.6 10.6 15.8#  
 129 4.7 8.7 13.1#

