

Data File : VU033163.D  
Acq On : 03 Jul 2019 11:02  
Operator : JC/SP  
Sample : K3599-01ME  
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAM10ME

Quant Time: Jul 03 22:35:46 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 03 22:32:40 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 191964   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 195258   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 93399    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 38229    | 29.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 58.28%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 31677    | 30.28    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 60.56%# |
| 11) 1,1-Dichloroethene-d2      | 2.22    | 63    | 72045    | 27.26    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 54.52%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 124478   | 114.00   | ug/L | 0.03    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 114.00% |
| 24) Chloroform-d               | 4.63    | 84    | 114985   | 45.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 83447    | 49.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.24%  |
| 32) Benzene-d6                 | 5.32    | 84    | 208862   | 41.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.06%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 73573    | 45.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.74%  |
| 41) Toluene-d8                 | 7.56    | 98    | 184534   | 38.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 77.42%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 35016    | 41.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.02%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 74218    | 98.03    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.03%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 124219   | 49.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.12%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 80764    | 44.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.38%  |

#### Target Compounds

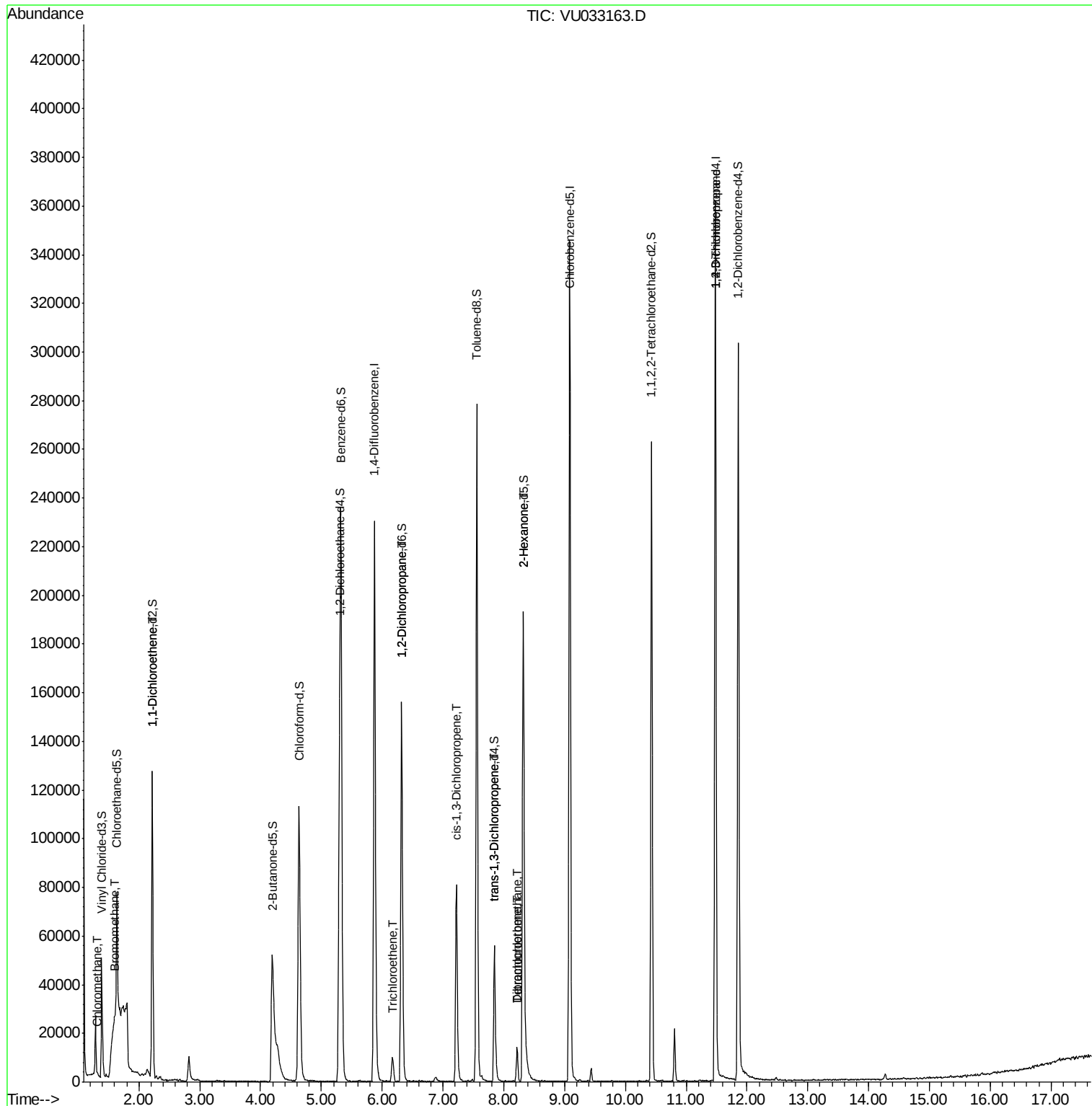
|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane              | 1.32  | 50  | 1308  | 0.744 ug/L   | 94     |
| 6) Bromomethane               | 1.59  | 94  | 666   | 0.649 ug/L   | 76     |
| 12) 1,1-Dichloroethene        | 2.22  | 96  | 686   | 0.567 ug/L # | 1      |
| 34) Trichloroethene           | 6.17  | 95  | 2053  | 1.366 ug/L   | 89     |
| 37) 1,2-Dichloropropane       | 6.32  | 63  | 8896  | 5.766 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.22  | 75  | 2602  | 1.082 ug/L # | 70     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75  | 1854  | 0.821 ug/L   | 89     |
| 46) Tetrachloroethene         | 8.22  | 164 | 3121  | 2.534 ug/L   | 94     |
| 48) 2-Hexanone                | 8.32  | 43  | 11045 | 5.082 ug/L # | 71     |
| 49) Dibromochloromethane      | 8.22  | 129 | 3189  | 1.842 ug/L # | 12     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75  | 12067 | 5.860 ug/L   | 92     |

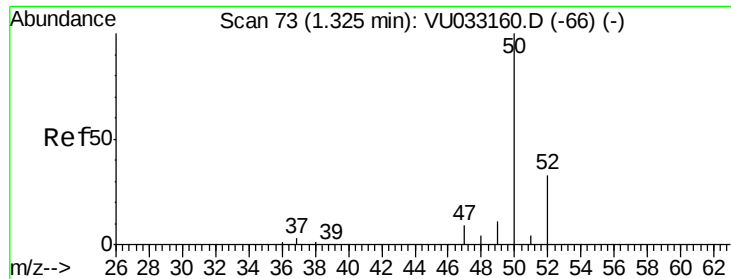
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 03 22:32:40 2019  
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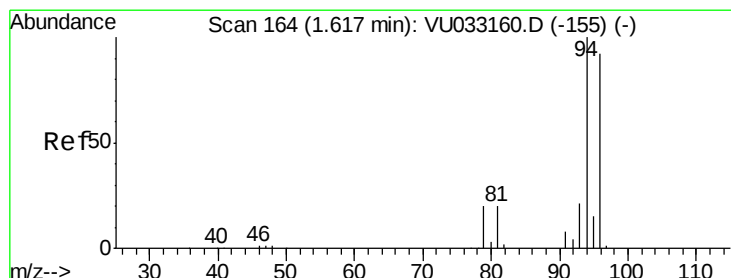
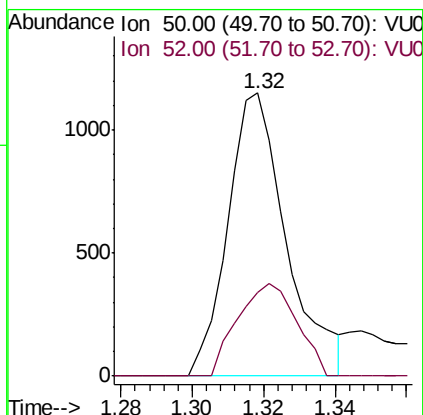
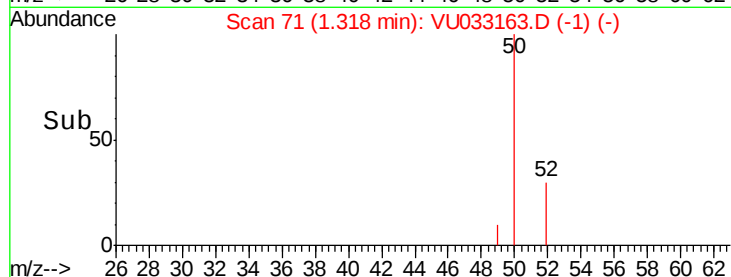
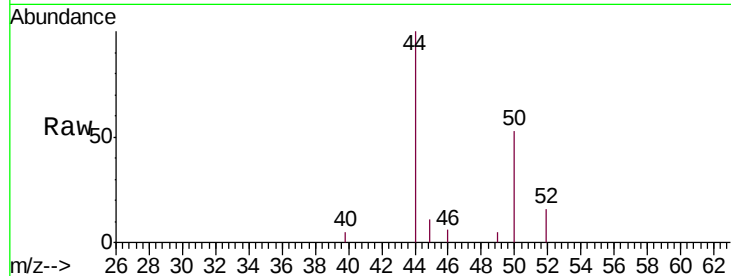




#3  
Chloromethane  
Concen: 0.744 ug/L  
RT: 1.32 min Scan# 71  
Delta R.T. -0.01 min  
Lab File: VU033163.D  
Acq: 03 Jul 2019 11:02

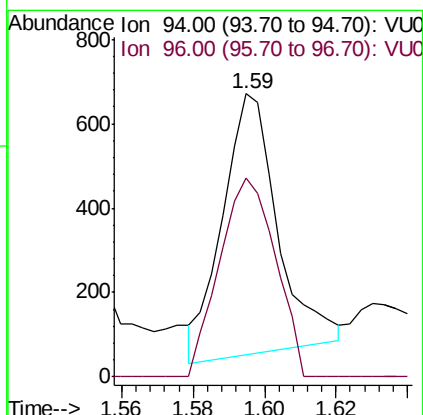
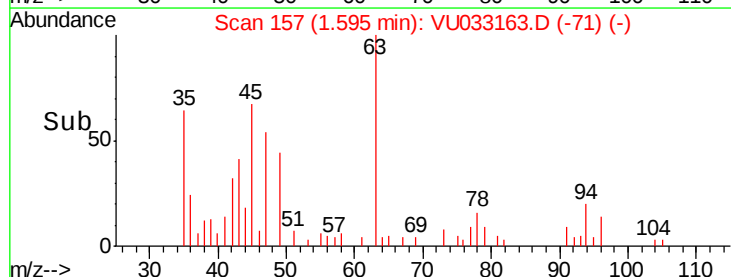
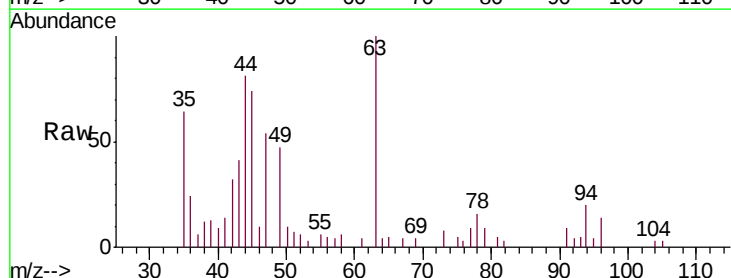
Instrument :  
MSVOA\_U  
ClientSampleId :  
GAM10ME

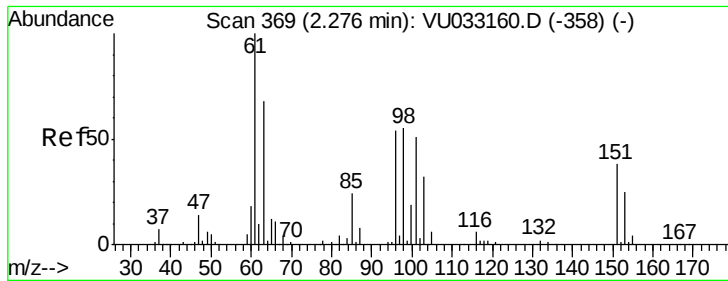
Tgt Ion: 50 Resp: 1308  
Ion Ratio Lower Upper  
50 100  
52 29.6 23.0 42.6



#6  
Bromomethane  
Concen: 0.649 ug/L  
RT: 1.59 min Scan# 157  
Delta R.T. -0.02 min  
Lab File: VU033163.D  
Acq: 03 Jul 2019 11:02

Tgt Ion: 94 Resp: 666  
Ion Ratio Lower Upper  
94 100  
96 70.0 64.8 120.4





#12

1,1-Dichloroethene

Concen: 0.567 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.05 min

Lab File: VU033163.D

Acq: 03 Jul 2019 11:02

Instrument :

MSVOA\_U

ClientSampleId :

GAM10ME

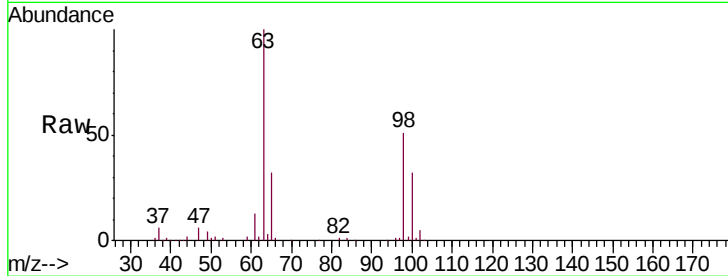
Tgt Ion: 96 Resp: 686

Ion Ratio Lower Upper

96 100

61 1545.5 131.0 243.4#

63 11493.4 101.0 187.6#

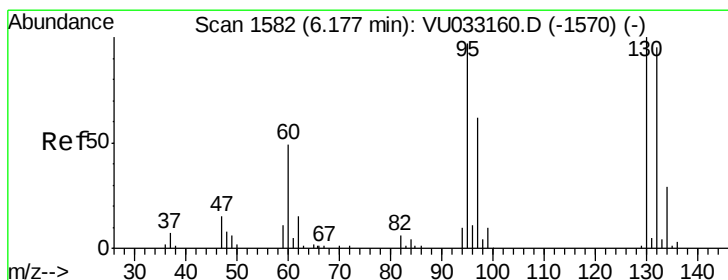
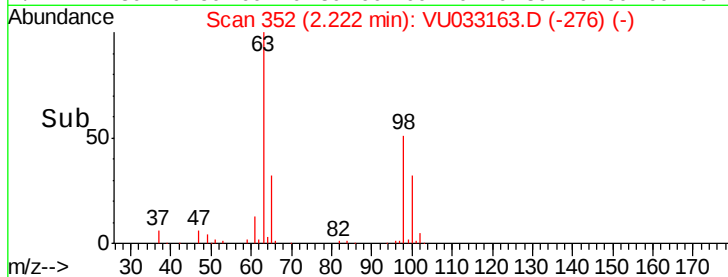
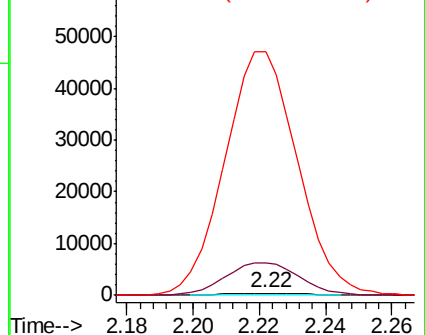


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#34

Trichloroethene

Concen: 1.366 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VU033163.D

Acq: 03 Jul 2019 11:02

Tgt Ion: 95 Resp: 2053

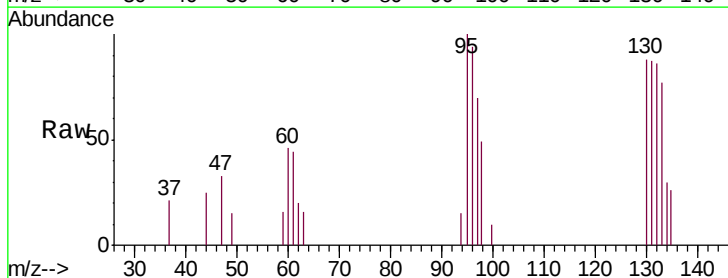
Ion Ratio Lower Upper

95 100

97 70.1 45.9 85.3

132 85.6 68.5 127.3

130 87.7 70.8 131.4



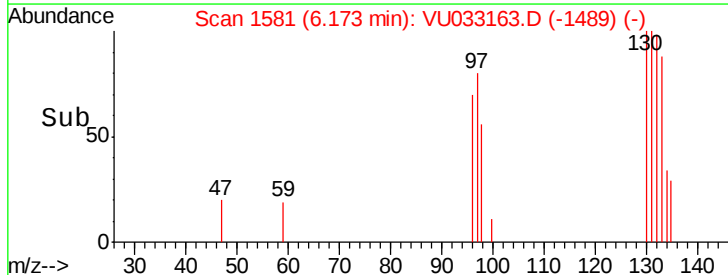
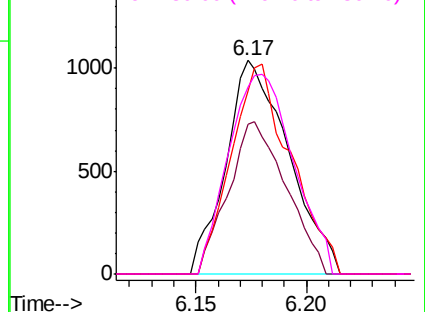
Abundance

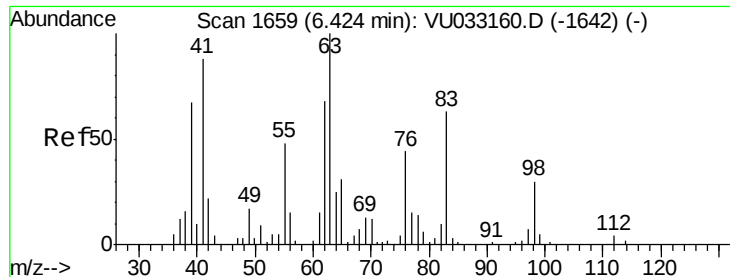
Ion 95.00 (94.70 to 95.70): VU0

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

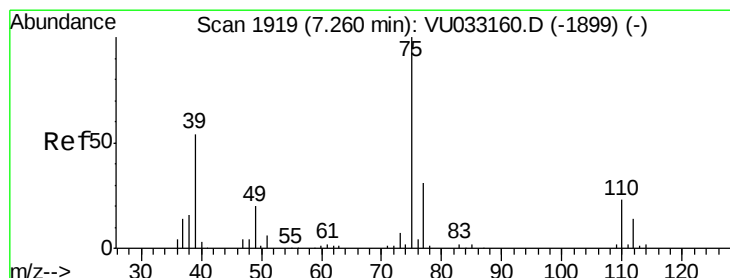
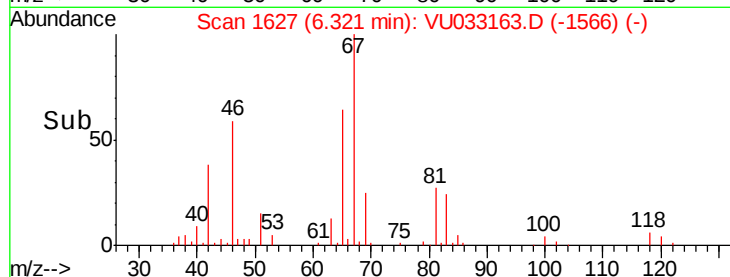
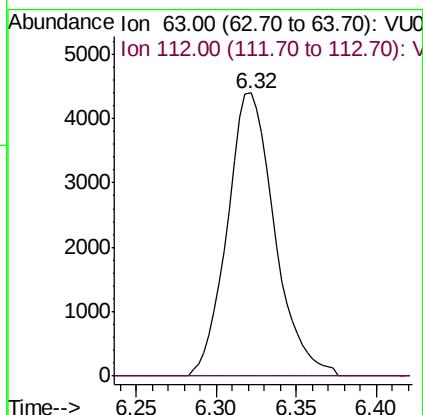
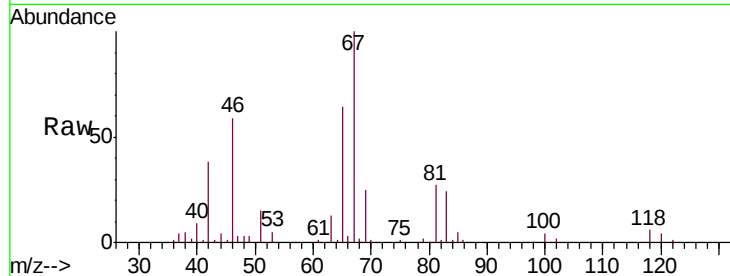




#37  
 1,2-Dichloropropane  
 Concen: 5.766 ug/L  
 RT: 6.32 min Scan# 1627  
 Delta R.T. -0.10 min  
 Lab File: VU033163.D  
 Acq: 03 Jul 2019 11:02

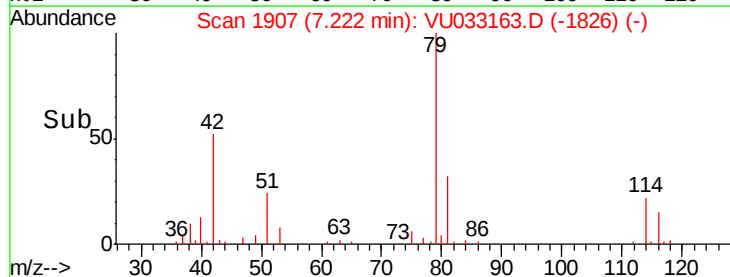
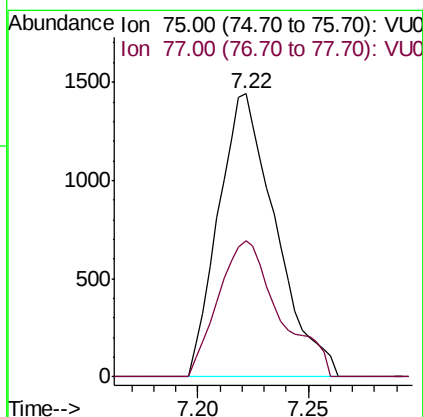
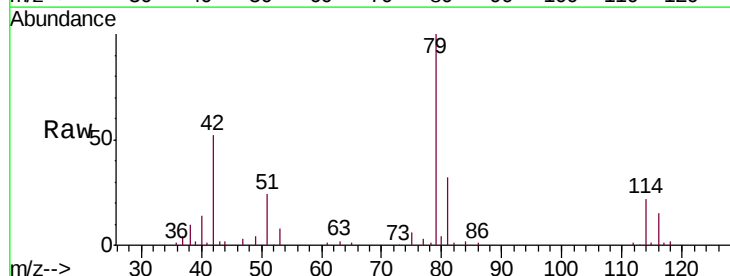
Instrument :  
 MSVOA\_U  
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 GAM10ME

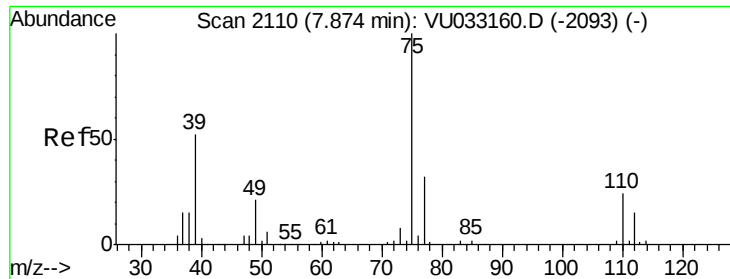
Tgt Ion: 63 Resp: 8896  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 1.082 ug/L  
 RT: 7.22 min Scan# 1907  
 Delta R.T. -0.04 min  
 Lab File: VU033163.D  
 Acq: 03 Jul 2019 11:02

Tgt Ion: 75 Resp: 2602  
 Ion Ratio Lower Upper  
 75 100  
 77 48.0 21.9 40.7#





#44

trans-1,3-Dichloropropene

Concen: 0.821 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU033163.D

Acq: 03 Jul 2019 11:02

Instrument :

MSVOA\_U

ClientSampleId :

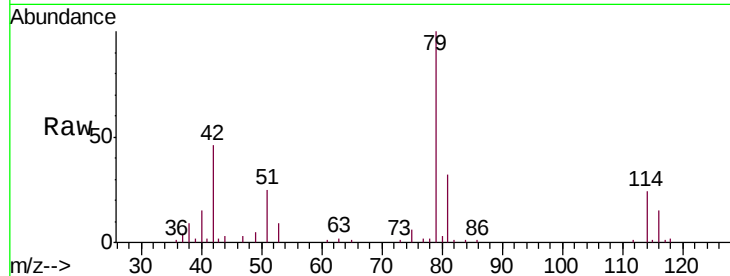
GAM10ME

Tgt Ion: 75 Resp: 1854

Ion Ratio Lower Upper

75 100

77 36.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU033163.D (-2102) (-)

Ion 77.00 (76.70 to 77.70): VU033163.D (-2102) (-)

7.85

1000

800

600

400

200

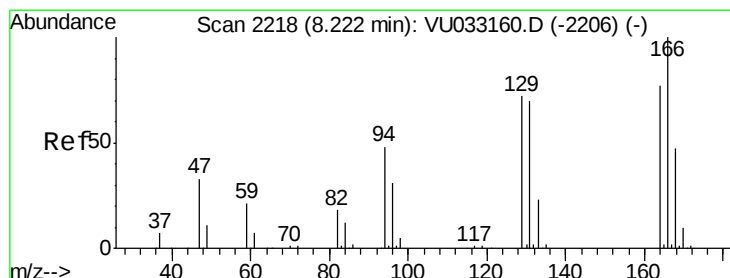
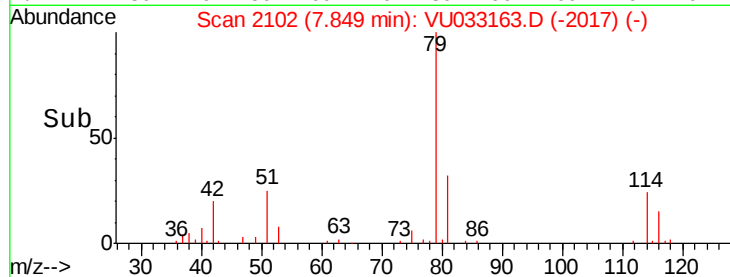
0

7.80

7.85

7.90

Time-->



#46

Tetrachloroethene

Concen: 2.534 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU033163.D

Acq: 03 Jul 2019 11:02

Tgt Ion: 164 Resp: 3121

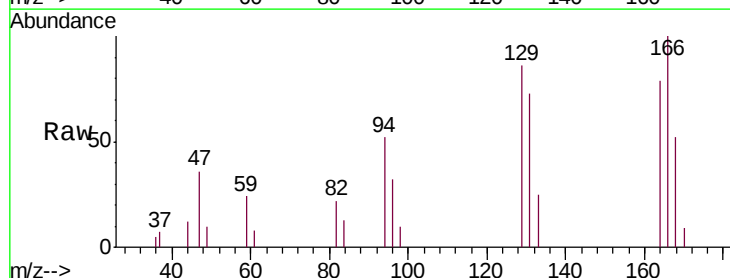
Ion Ratio Lower Upper

164 100

129 107.9 64.8 120.3

131 92.1 64.5 119.7

166 126.0 91.3 169.6



Abundance Ion 164.00 (163.70 to 164.70): VU033163.D (-2217) (-)

Ion 129.00 (128.70 to 129.70): VU033163.D (-2217) (-)

Ion 131.00 (130.70 to 131.70): VU033163.D (-2217) (-)

Ion 166.00 (165.70 to 166.70): VU033163.D (-2217) (-)

3000

2000

1000

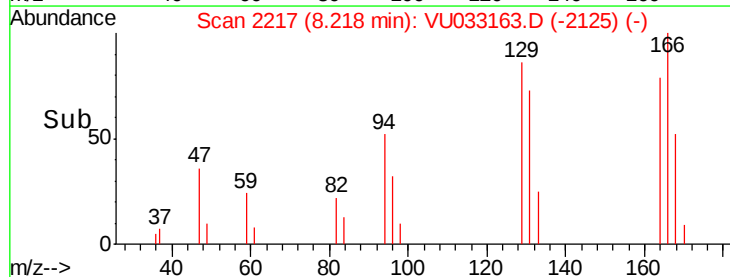
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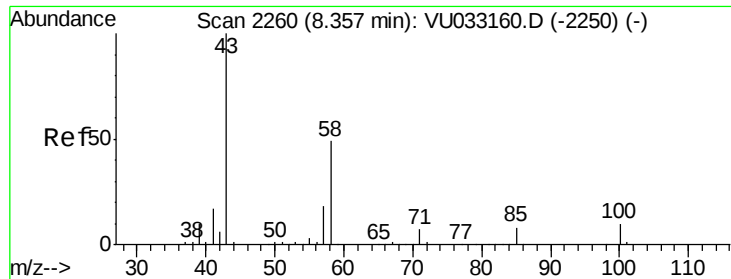
8.20

8.22

8.25

Time-->

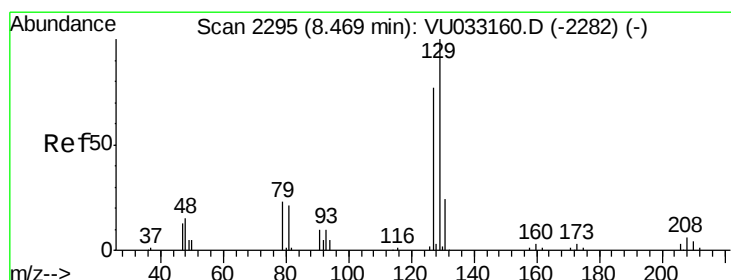
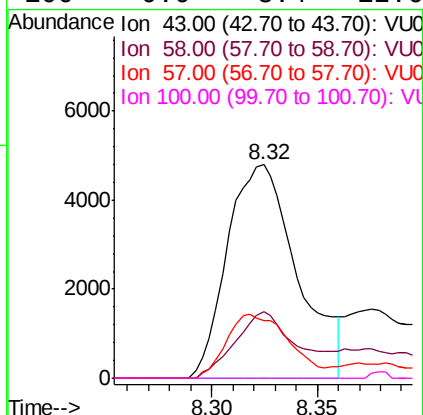
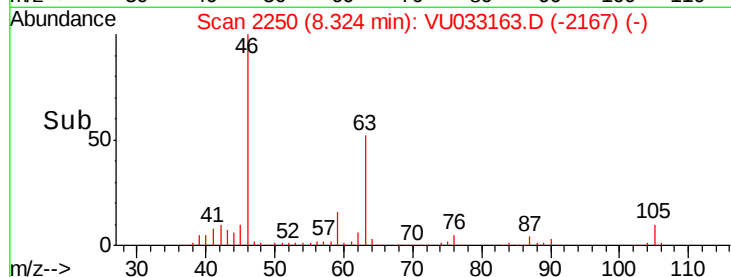
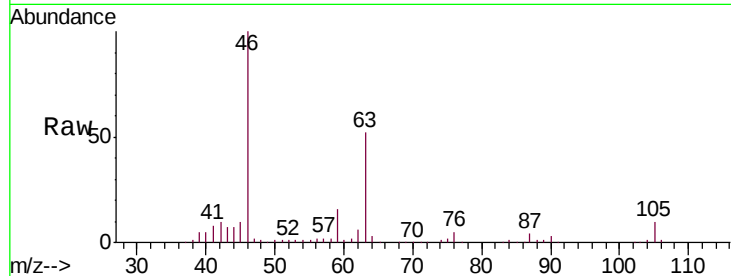




#48  
2-Hexanone  
Concen: 5.082 ug/L  
RT: 8.32 min Scan# 2250  
Delta R.T. -0.03 min  
Lab File: VU033163.D  
Acq: 03 Jul 2019 11:02

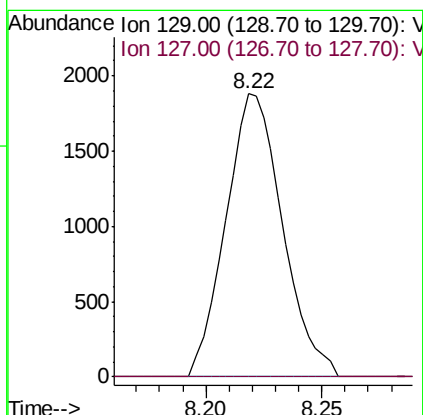
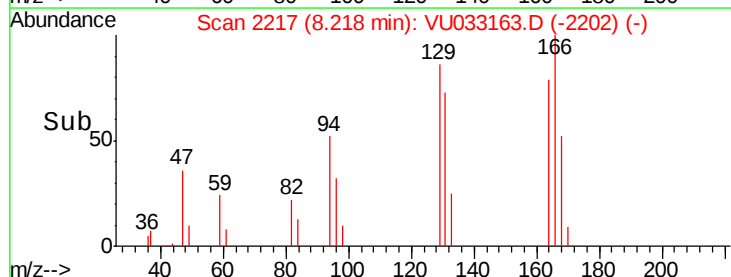
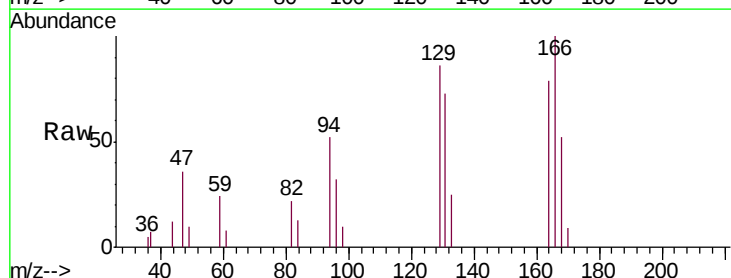
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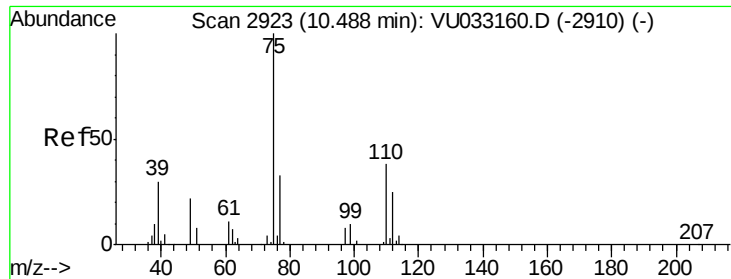
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|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 11045 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.0  | 40.2  | 60.2# |
| 57       | 26.8  | 14.2  | 21.4# |
| 100      | 0.0   | 8.4   | 12.6# |



#49  
Dibromochloromethane  
Concen: 1.842 ug/L  
RT: 8.22 min Scan# 2217  
Delta R.T. -0.25 min  
Lab File: VU033163.D  
Acq: 03 Jul 2019 11:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 3189  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 0.0   | 52.3  | 97.1# |





#59

1,2,3-Trichloropropane

Concen: 5.860 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU033163.D

Acq: 03 Jul 2019 11:02

Instrument :

MSVOA\_U

ClientSampleId :

GAM10ME

Tgt Ion: 75 Resp: 12067

Ion Ratio Lower Upper

75 100

77 36.6 25.5 38.3

