

Data File : VU033116.D  
Acq On : 01 Jul 2019 15:30  
Operator : JC/SP  
Sample : K3599-03  
Misc : 7.92g/10mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAM12

Quant Time: Jul 02 04:21:47 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 02 04:16:18 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 251569   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 251029   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 125607   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 68490    | 39.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 79.68%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 44566    | 32.50    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 65.00%# |
| 11) 1,1-Dichloroethene-d2      | 2.22    | 63    | 122508   | 35.37    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.74%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 175453   | 122.61   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 122.61% |
| 24) Chloroform-d               | 4.63    | 84    | 171348   | 51.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.54% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 124758   | 56.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 112.08% |
| 32) Benzene-d6                 | 5.32    | 84    | 329538   | 50.36    | ug/L | -0.01   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.72% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 110266   | 52.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.80% |
| 41) Toluene-d8                 | 7.56    | 98    | 297331   | 48.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.04%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 52348    | 48.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.54%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 109048   | 112.03   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 112.03% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 174160   | 54.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 108.08% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 126137   | 51.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.78% |

#### Target Compounds

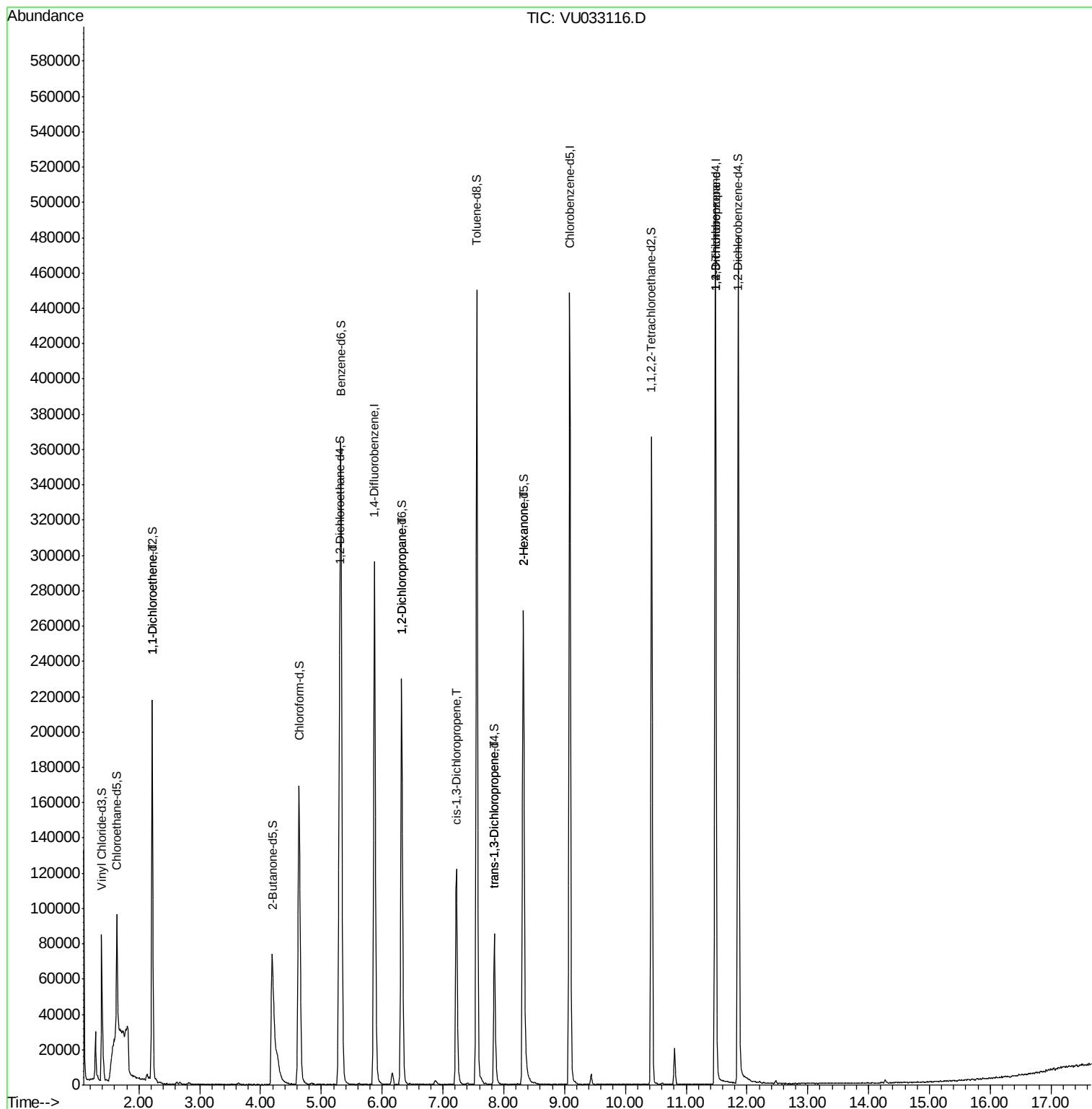
|                               |       |    |       |       | Qvalue |    |
|-------------------------------|-------|----|-------|-------|--------|----|
| 12) 1,1-Dichloroethene        | 2.22  | 96 | 916   | 0.578 | ug/L # | 1  |
| 37) 1,2-Dichloropropane       | 6.32  | 63 | 13304 | 6.707 | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene   | 7.22  | 75 | 3532  | 1.143 | ug/L # | 72 |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 2544  | 0.876 | ug/L   | 89 |
| 48) 2-Hexanone                | 8.32  | 43 | 15839 | 5.668 | ug/L # | 71 |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 15638 | 5.907 | ug/L # | 86 |

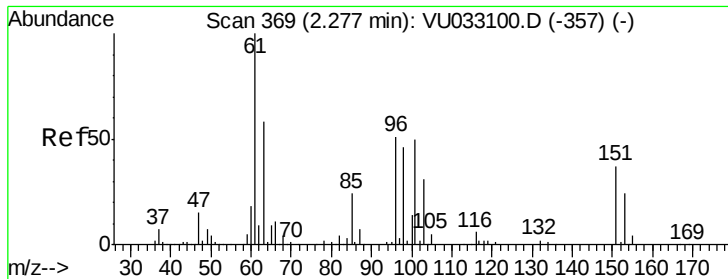
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.578 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.06 min

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Acq: 01 Jul 2019 15:30

Instrument :

MSVOA\_U

ClientSampleId :

GAM12

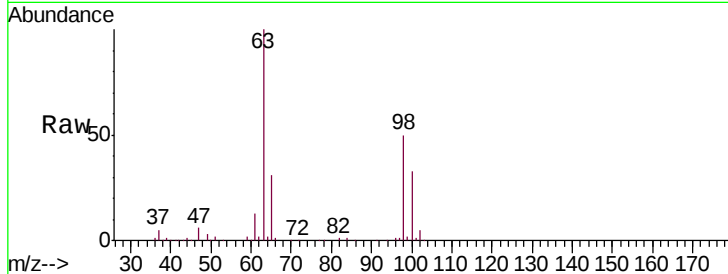
Tgt Ion: 96 Resp: 916

Ion Ratio Lower Upper

96 100

61 1479.6 131.0 243.4#

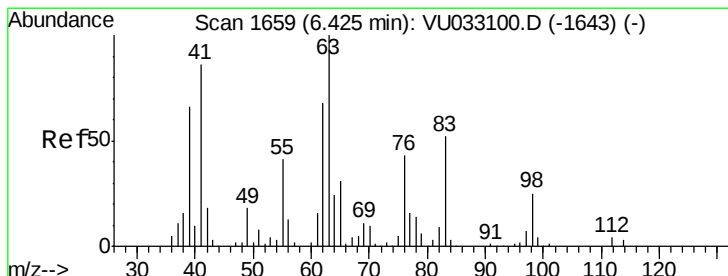
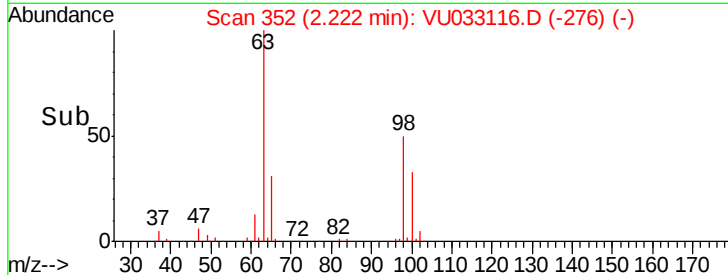
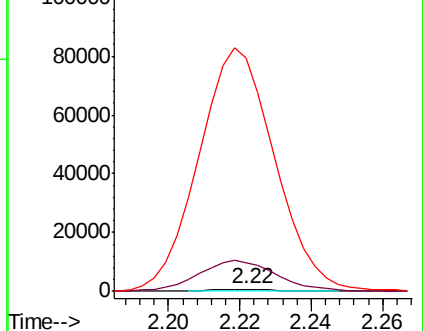
63 11836.4 101.0 187.6#



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



#37

1,2-Dichloropropane

Concen: 6.707 ug/L

RT: 6.32 min Scan# 1626

Delta R.T. -0.11 min

Lab File: VU033116.D

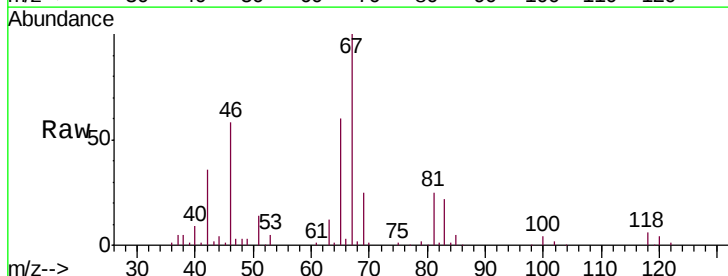
Acq: 01 Jul 2019 15:30

Tgt Ion: 63 Resp: 13304

Ion Ratio Lower Upper

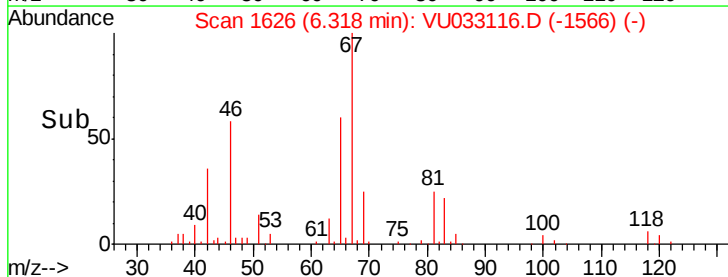
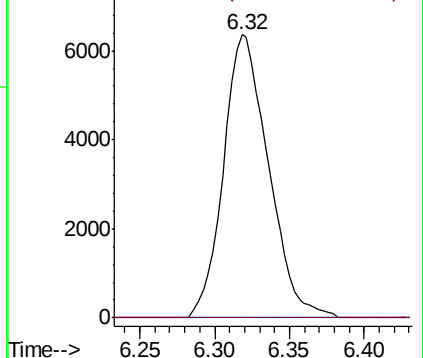
63 100

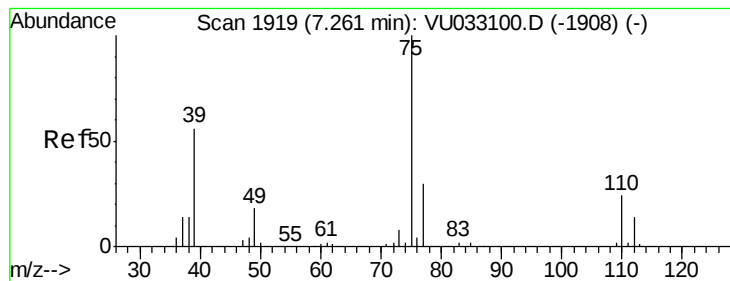
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.143 ug/L

RT: 7.22 min Scan# 1906

Delta R.T. -0.04 min

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MSVOA\_U

ClientSampleId :

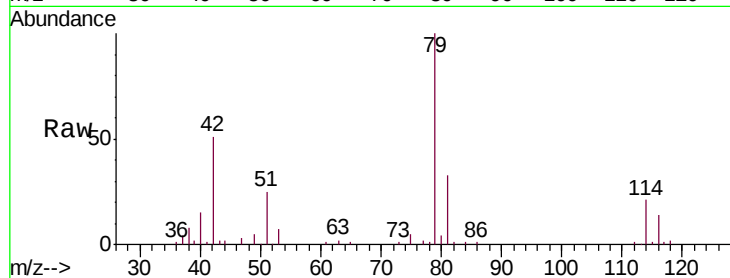
GAM12

Tgt Ion: 75 Resp: 3532

Ion Ratio Lower Upper

75 100

77 46.6 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

2000

1500

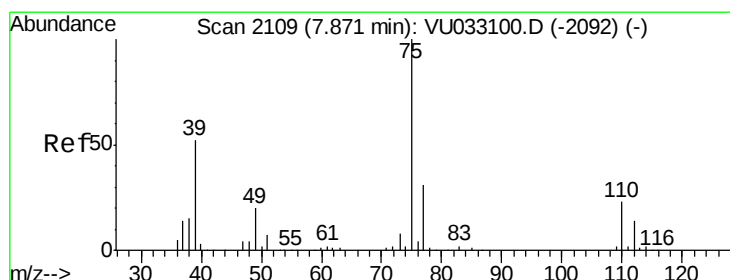
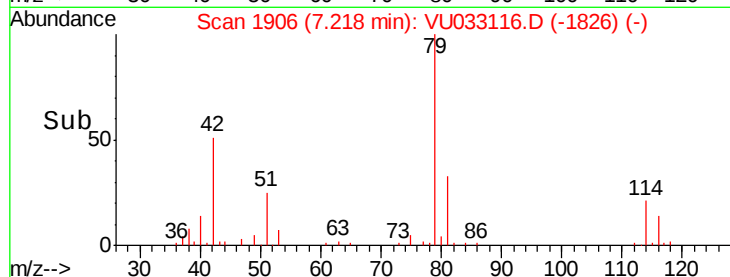
1000

500

0

7.20 7.22 7.25

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.876 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU033116.D

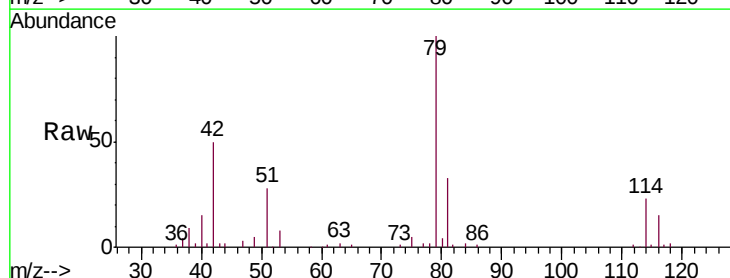
Acq: 01 Jul 2019 15:30

Tgt Ion: 75 Resp: 2544

Ion Ratio Lower Upper

75 100

77 37.3 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

1500

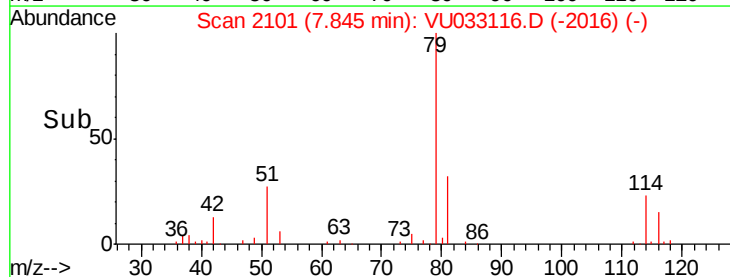
1000

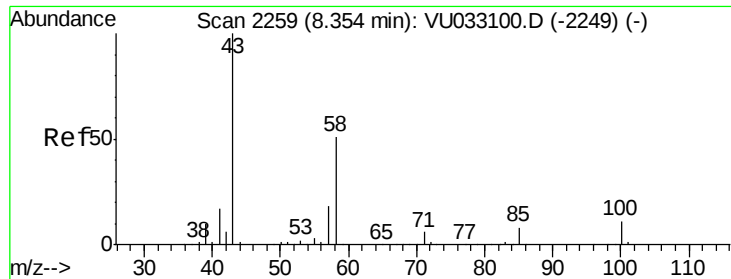
500

0

7.80 7.85 7.90

Time-->





#48

2-Hexanone

Concen: 5.668 ug/L

RT: 8.32 min Scan# 2250

Delta R.T. -0.03 min

Lab File: VU033116.D

Acq: 01 Jul 2019 15:30

Instrument :

MSVOA\_U

ClientSampleId :

GAM12

Tgt Ion: 43 Resp: 15839

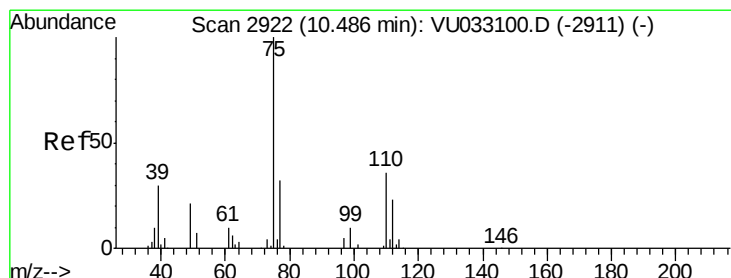
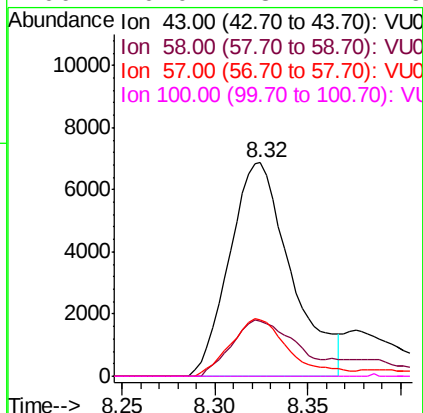
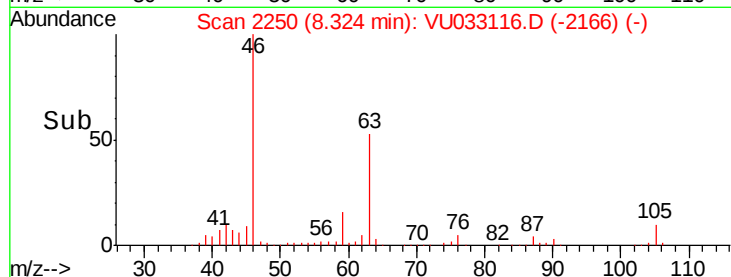
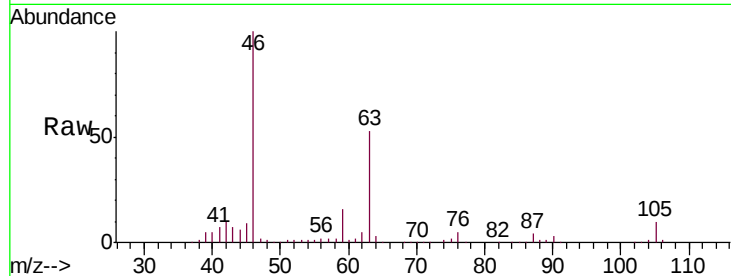
Ion Ratio Lower Upper

43 100

58 27.2 40.2 60.2#

57 25.7 14.2 21.4#

100 0.0 8.4 12.6#



#59

1,2,3-Trichloropropane

Concen: 5.907 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 1.00 min

Lab File: VU033116.D

Acq: 01 Jul 2019 15:30

Tgt Ion: 75 Resp: 15638

Ion Ratio Lower Upper

75 100

77 39.9 25.5 38.3#

