

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\  
 Data File : VU030923.D  
 Acq On : 08 Apr 2019 22:34  
 Operator : JC/SP  
 Sample : K2284-18RE  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEZB6

Quant Time: Apr 09 01:17:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR032919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Apr 09 01:11:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 243584   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 249923   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 97455    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

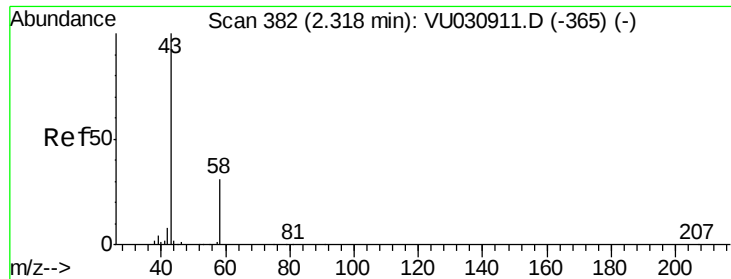
|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 100589   | 5.40     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 108.00%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 89491    | 5.96     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 119.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 152183   | 3.99     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.80%   |
| 20) 2-Butanone-d5              | 4.19   | 46    | 316510   | 65.99    | ug/L | -0.03    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 131.98%# |
| 24) Chloroform-d               | 4.64   | 84    | 150364   | 4.76     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%   |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 106699   | 6.37     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 127.40%  |
| 32) Benzene-d6                 | 5.33   | 84    | 348624   | 5.24     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 121863   | 5.52     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.40%  |
| 41) Toluene-d8                 | 7.56   | 98    | 278167   | 4.73     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%   |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 40926    | 4.99     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 99.80%   |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 222261   | 62.35    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 124.70%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 101751   | 6.44     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 128.80%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 99973    | 6.13     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 122.60%# |

## Target Compounds

|                               |       |    |        |        | Ovalue    |
|-------------------------------|-------|----|--------|--------|-----------|
| 13) Acetone                   | 2.32  | 43 | 4165   | 1.123  | ug/L 92   |
| 25) Chloroform                | 4.67  | 83 | 34474  | 0.953  | ug/L 89   |
| 29) 1,1,1-Trichloroethane     | 4.90  | 97 | 12512  | 0.393  | ug/L # 78 |
| 34) Trichloroethene           | 6.18  | 95 | 229100 | 10.825 | ug/L 98   |
| 35) Methylcyclohexane         | 6.33  | 83 | 25358  | 0.751  | ug/L # 15 |
| 37) 1,2-Dichloropropane       | 6.33  | 63 | 12877  | 0.553  | ug/L # 91 |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 2129   | 0.088  | ug/L 94   |
| 48) 2-Hexanone                | 8.37  | 43 | 11587  | 1.152  | ug/L # 92 |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 11516  | 0.886  | ug/L # 80 |

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





#13

Acetone

Concen: 1.123 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.04 min

Lab File: VU030923.D

Acq: 08 Apr 2019 22:34

Instrument :

MSVOA\_U

ClientSampleId :

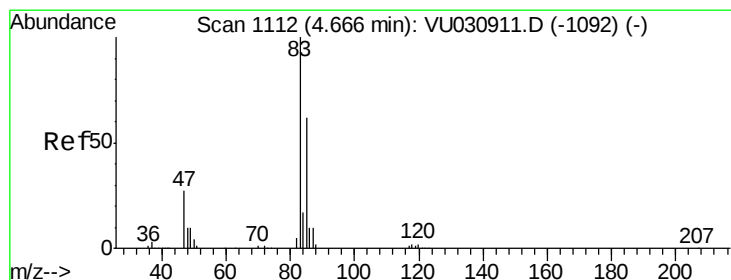
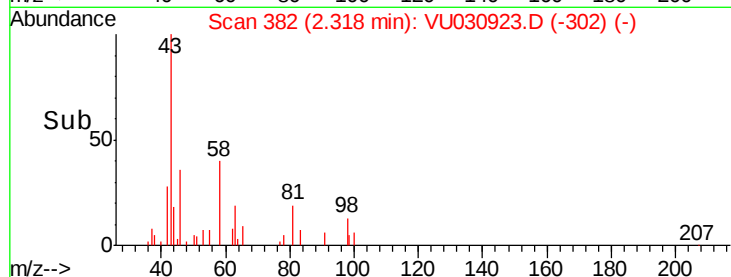
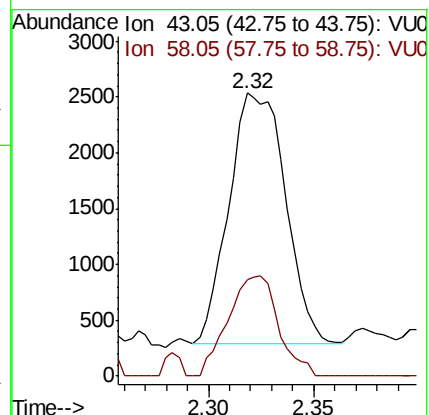
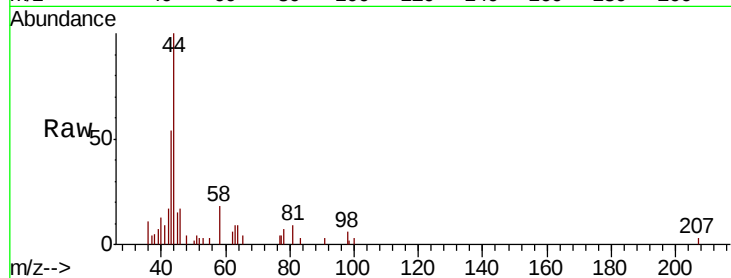
BEZB6

Tot Ion: 43 Resp: 4165

Ion Ratio Lower Upper

43 100

58 35.7 0.0 62.8



#25

Chloroform

Concen: 0.953 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030923.D

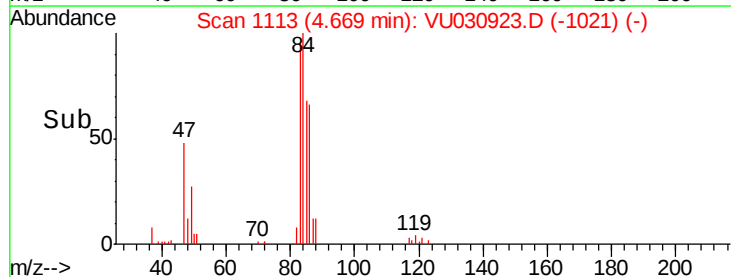
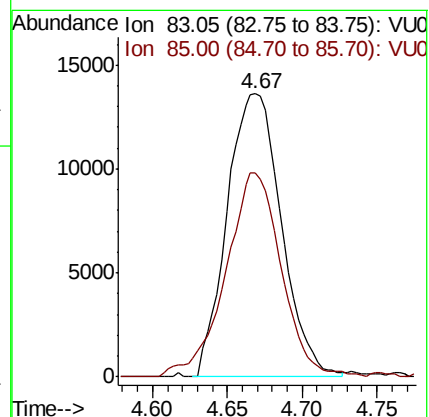
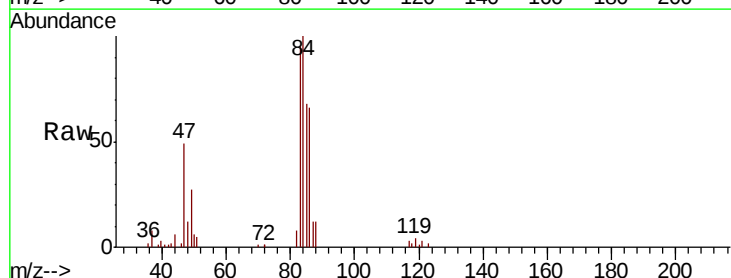
Acq: 08 Apr 2019 22:34

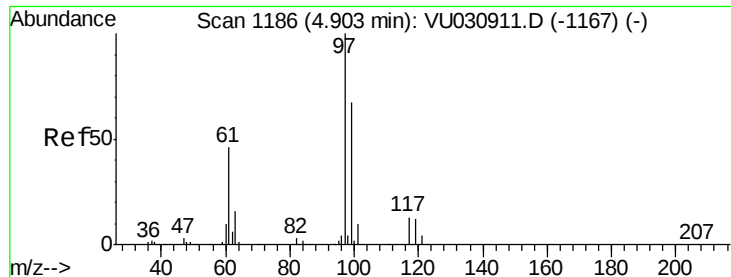
Tgt Ion: 83 Resp: 34474

Ion Ratio Lower Upper

83 100

85 72.0 44.2 82.2

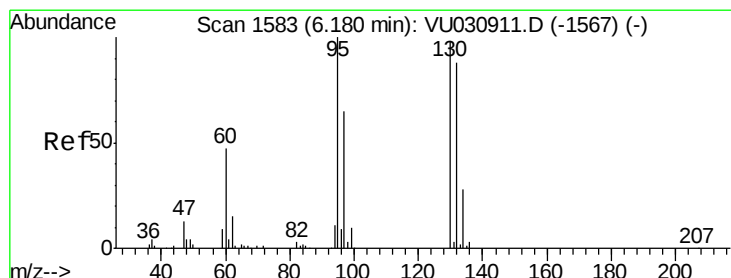
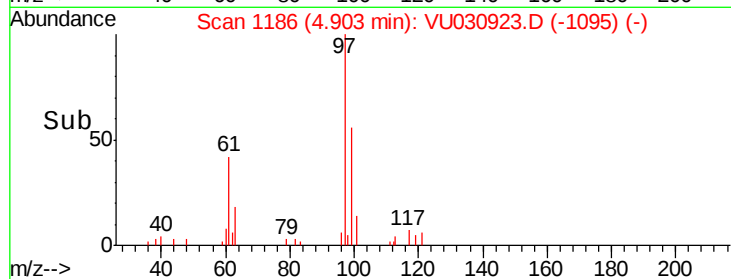
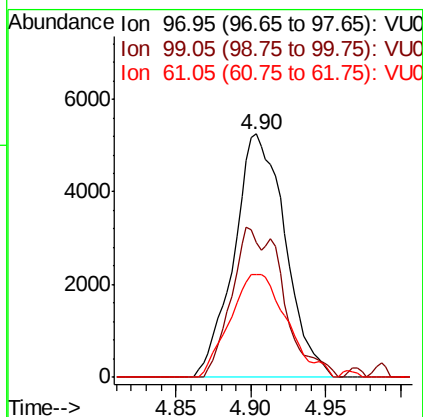
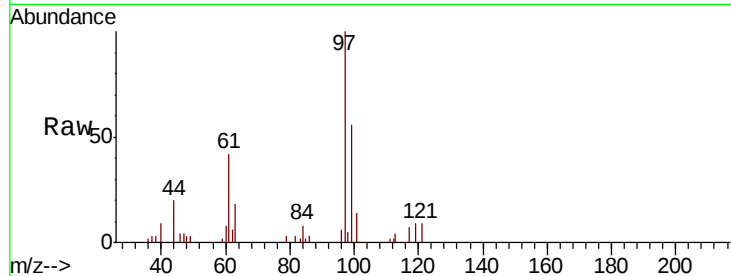




#29  
 1,1,1-Trichloroethane  
 Concen: 0.393 ug/L  
 RT: 4.90 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: VU030923.D  
 Acq: 08 Apr 2019 22:34

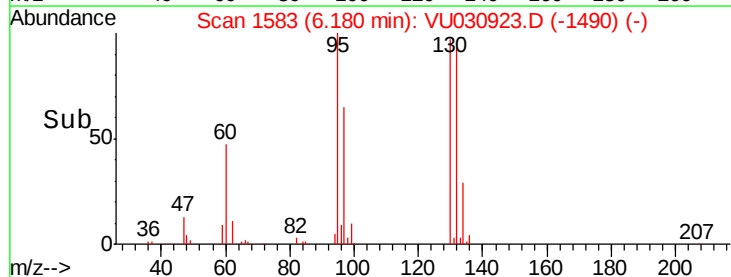
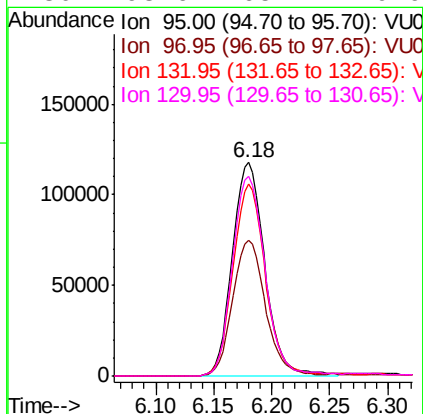
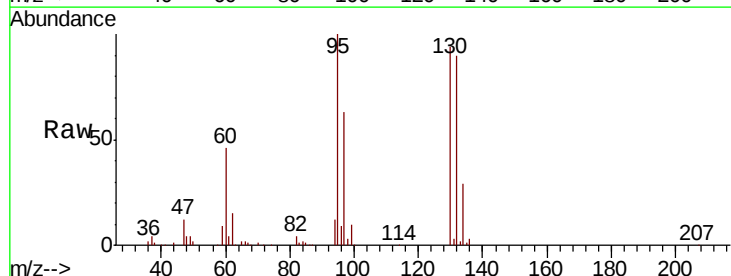
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEZB6

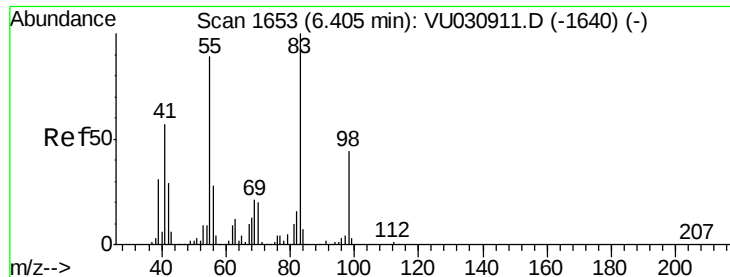
Tot Ion: 97 Resp: 12512  
 Ion Ratio Lower Upper  
 97 100  
 99 35.0 51.8 77.6#  
 61 46.8 38.1 57.1



#34  
 Trichloroethene  
 Concen: 10.825 ug/L  
 RT: 6.18 min Scan# 1583  
 Delta R.T. -0.00 min  
 Lab File: VU030923.D  
 Acq: 08 Apr 2019 22:34

Tgt Ion: 95 Resp: 229100  
 Ion Ratio Lower Upper  
 95 100  
 97 63.4 43.5 80.9  
 132 89.8 60.7 112.7  
 130 93.6 65.1 120.9





#35

Methvlcvclohexane

Concen: 0.751 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU030923.D

Acq: 08 Apr 2019 22:34

Instrument :

MSVOA\_U

ClientSampleId :

BEZB6

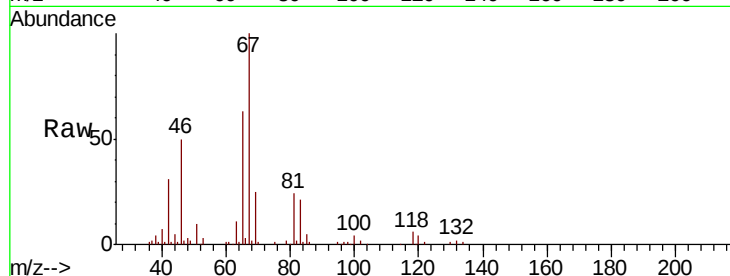
Tot Ion: 83 Resp: 25358

Ion Ratio Lower Upper

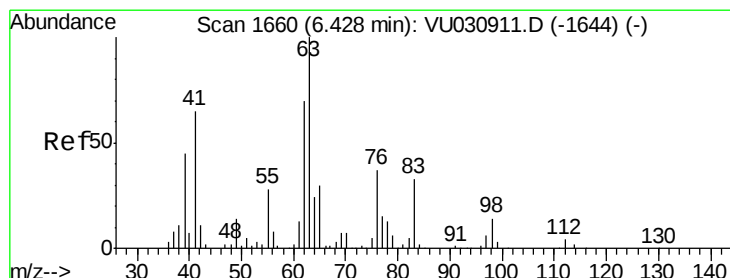
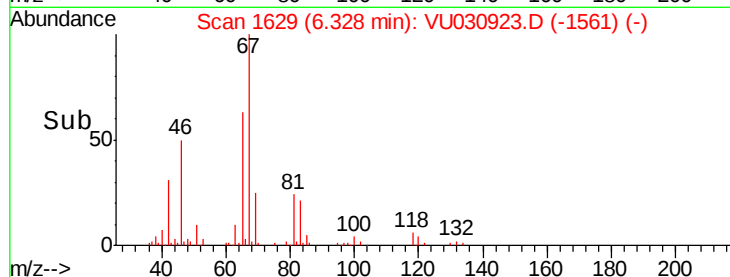
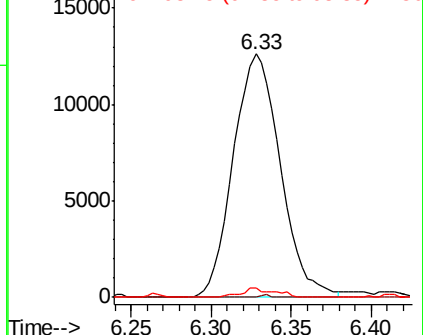
83 100

55 0.2 72.6 108.8#

98 2.6 35.0 52.6#



Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.553 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU030923.D

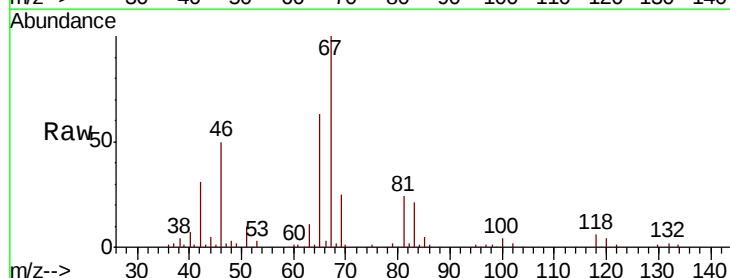
Acq: 08 Apr 2019 22:34

Tgt Ion: 63 Resp: 12877

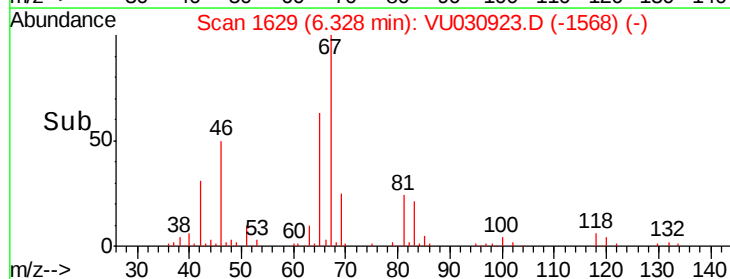
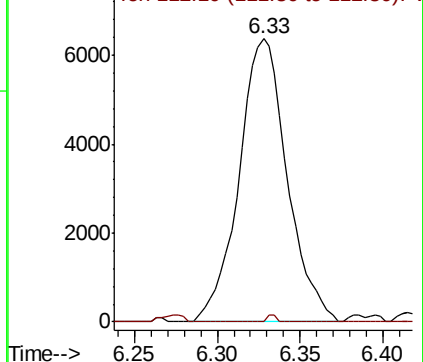
Ion Ratio Lower Upper

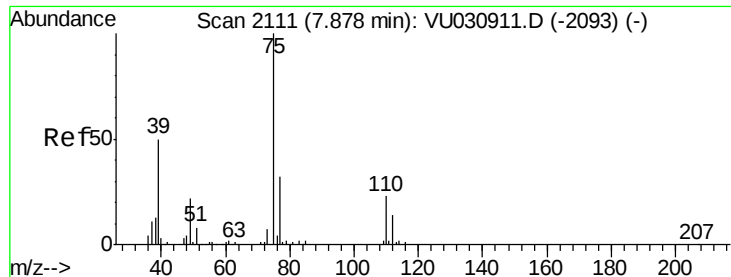
63 100

112 0.5 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030923.D

Acq: 08 Apr 2019 22:34

Instrument :

MSVOA\_U

ClientSampleId :

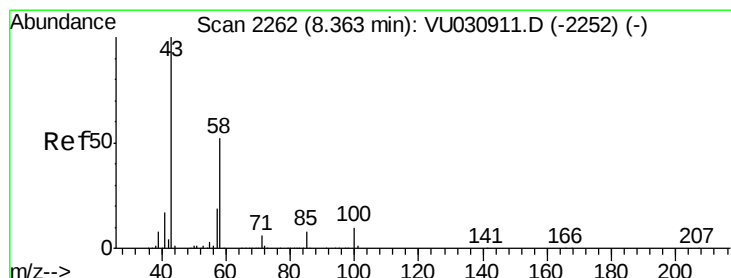
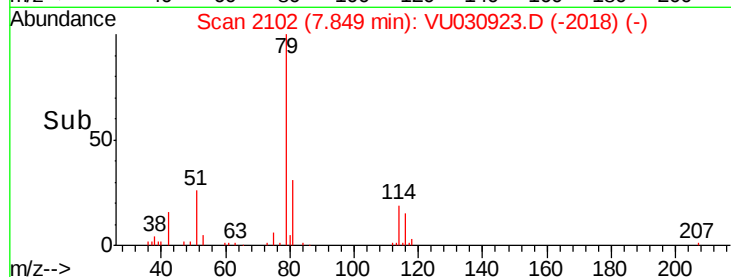
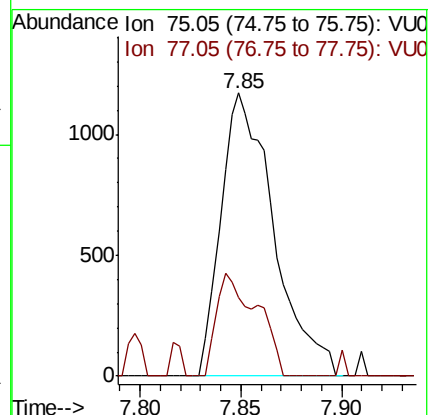
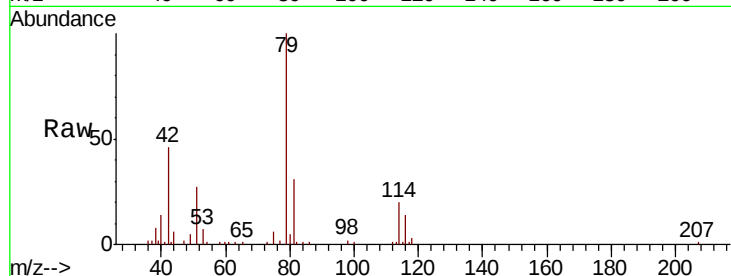
BEZB6

Tot Ion: 75 Resp: 2129

Ion Ratio Lower Upper

75 100

77 27.8 21.6 40.0



#48

2-Hexanone

Concen: 1.152 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU030923.D

Acq: 08 Apr 2019 22:34

Tgt Ion: 43 Resp: 11587

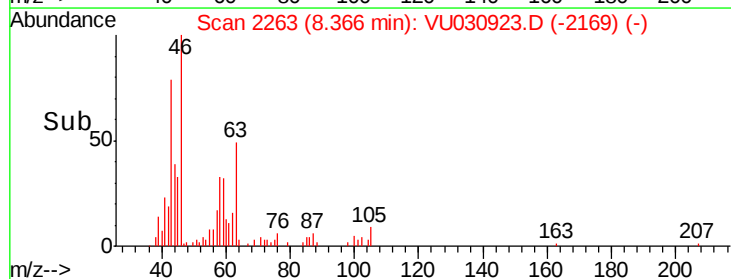
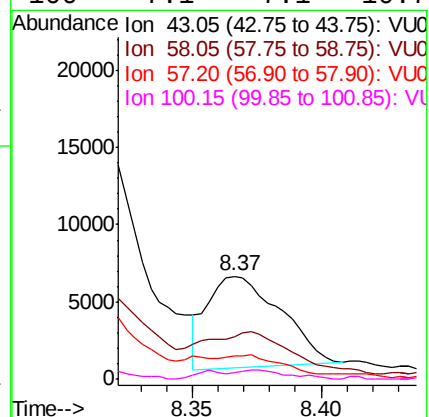
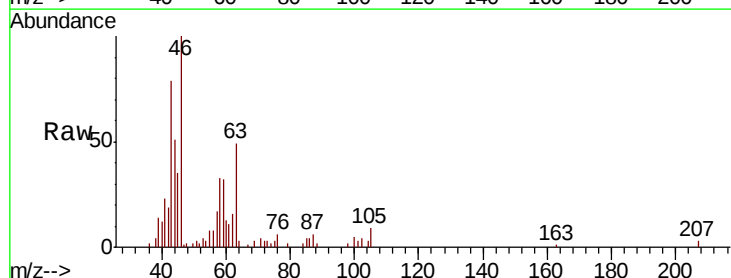
Ion Ratio Lower Upper

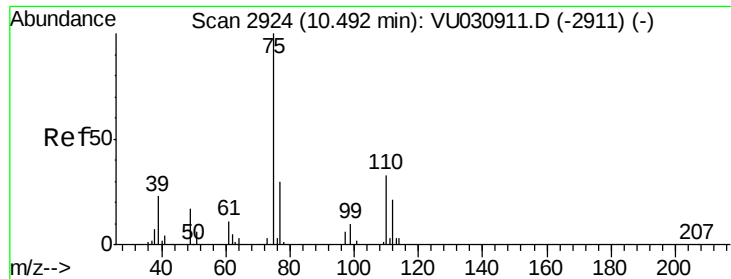
43 100

58 58.5 42.5 63.7

57 22.7 13.9 20.9#

100 7.1 7.1 10.7#





#59

1,2,3-Trichloropropane

Concen: 0.886 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030923.D

Acq: 08 Apr 2019 22:34

Instrument :

MSVOA\_U

ClientSampleId :

BEZB6

Tot Ion: 75 Resp: 11516

Ion Ratio Lower Upper

75 100

77 42.9 25.6 38.4#

