

Data File : VU029134.D  
Acq On : 11 Jan 2019 11:08  
Operator : MD/SY  
Sample : K1107-01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BEJF7

Quant Time: Jan 11 22:13:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR122818WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jan 11 22:10:09 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 128413   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 125399   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 55174    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 40446    | 5.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 117.80% |
| 7) Chloroethane-d5             | 1.68   | 69    | 34989    | 5.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 116.60% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 55010    | 3.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.60%  |
| 20) 2-Butanone-d5              | 4.22   | 46    | 114627   | 63.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 127.64% |
| 24) Chloroform-d               | 4.65   | 84    | 76203    | 5.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 114.00% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 37657    | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 110.60% |
| 32) Benzene-d6                 | 5.34   | 84    | 156544   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.80% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 56377    | 6.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 120.40% |
| 41) Toluene-d8                 | 7.56   | 98    | 139686   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.00% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 19068    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 108.20% |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 96734    | 60.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 120.42% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 41600    | 5.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 50660    | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.80% |

#### Target Compounds

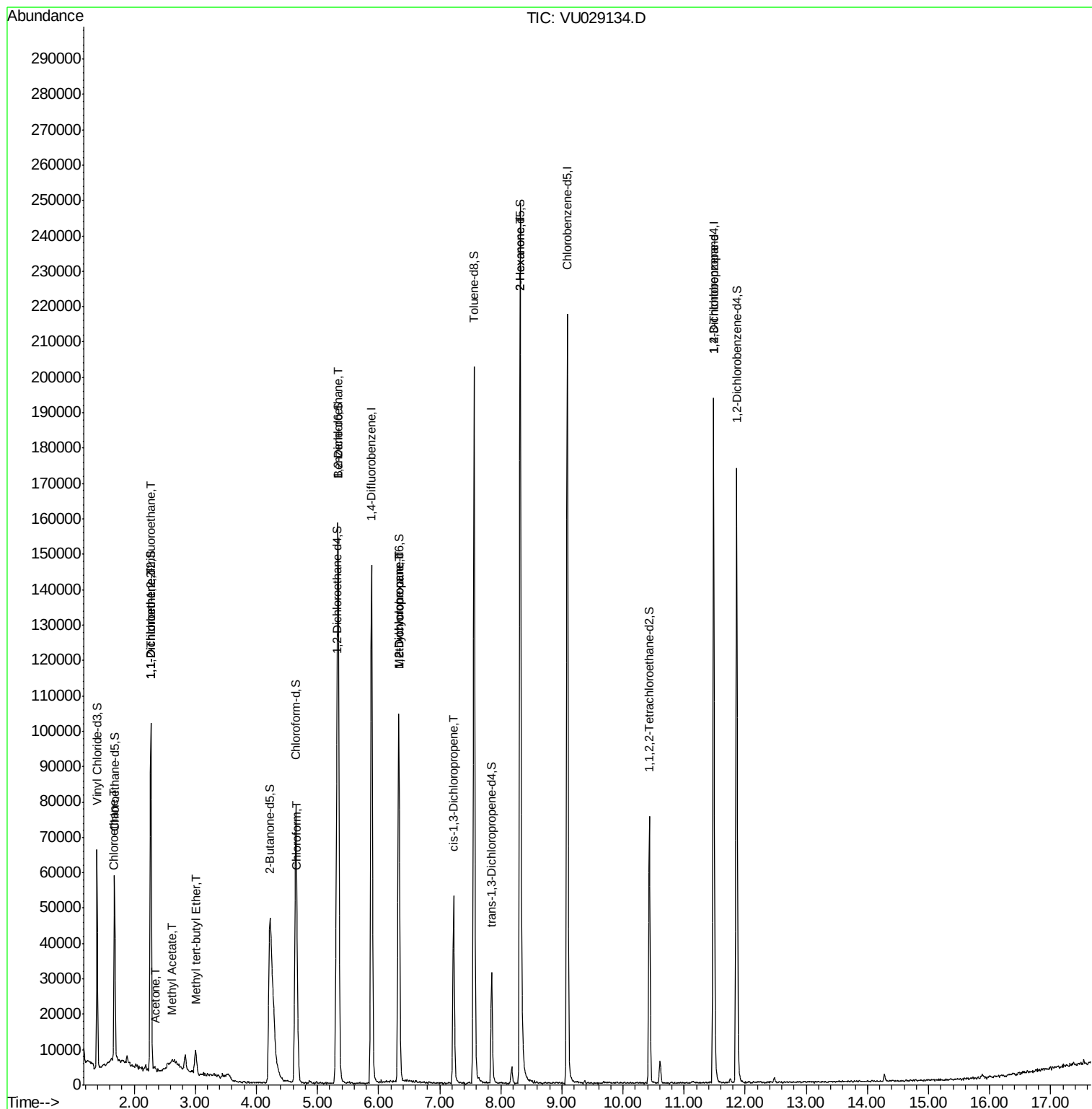
|                                |       |     |       |       | Qvalue |     |
|--------------------------------|-------|-----|-------|-------|--------|-----|
| 8) Chloroethane                | 1.67  | 64  | 1250  | 0.171 | ug/L # | 51  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 383   | 0.040 | ug/L # | 19  |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 718   | 0.078 | ug/L # | 1   |
| 13) Acetone                    | 2.36  | 43  | 704   | 0.486 | ug/L   | 54  |
| 15) Methyl Acetate             | 2.60  | 43  | 438   | 0.103 | ug/L # | 49  |
| 17) Methyl tert-butyl Ether    | 3.01  | 73  | 7852  | 0.348 | ug/L   | 97  |
| 25) Chloroform                 | 4.67  | 83  | 12077 | 0.741 | ug/L   | 92  |
| 27) 1,2-Dichloroethane         | 5.33  | 62  | 659   | 0.068 | ug/L # | 73  |
| 35) Methylcyclohexane          | 6.33  | 83  | 11315 | 0.643 | ug/L # | 19  |
| 37) 1,2-Dichloropropane        | 6.33  | 63  | 5349  | 0.524 | ug/L # | 91  |
| 39) cis-1,3-Dichloropropene    | 7.23  | 75  | 1049  | 0.072 | ug/L # | 34  |
| 48) 2-Hexanone                 | 8.32  | 43  | 12023 | 3.198 | ug/L # | 61  |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 6513  | 1.094 | ug/L   | 100 |

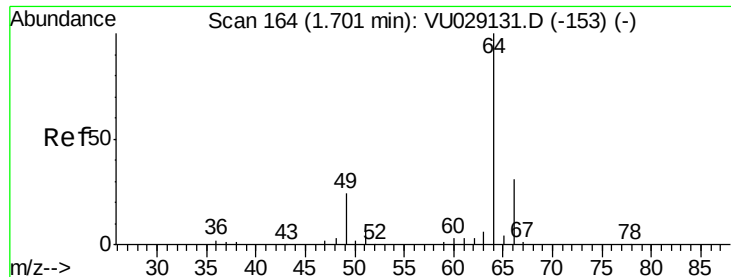
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.171 ug/L

RT: 1.67 min Scan# 153

Delta R.T. -0.04 min

Lab File: VU029134.D

Acq: 11 Jan 2019 11:08

Instrument :

MSVOA\_U

ClientSampleId :

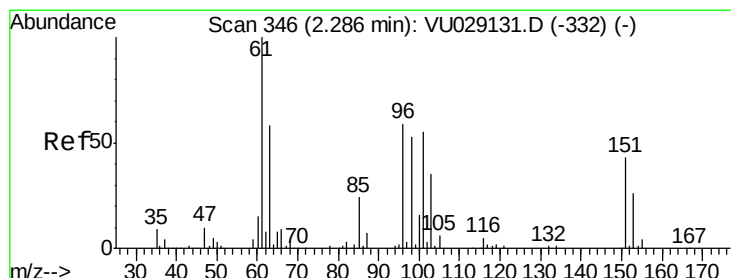
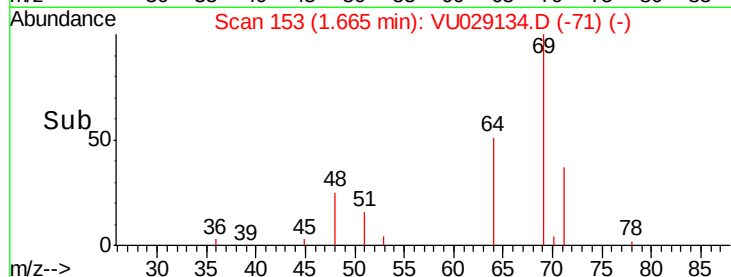
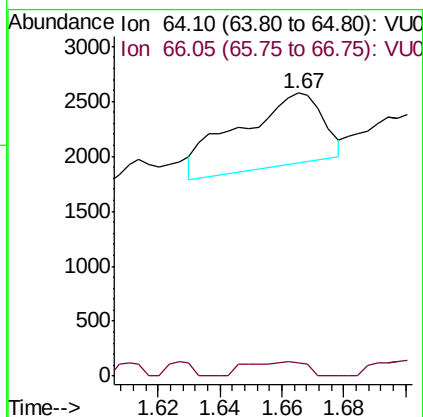
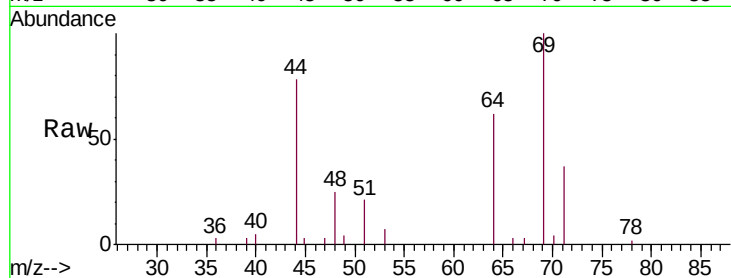
BEJF7

Tgt Ion: 64 Resp: 1250

Ion Ratio Lower Upper

64 100

66 4.9 22.6 42.0#



#10

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

Concen: 0.040 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU029134.D

Acq: 11 Jan 2019 11:08

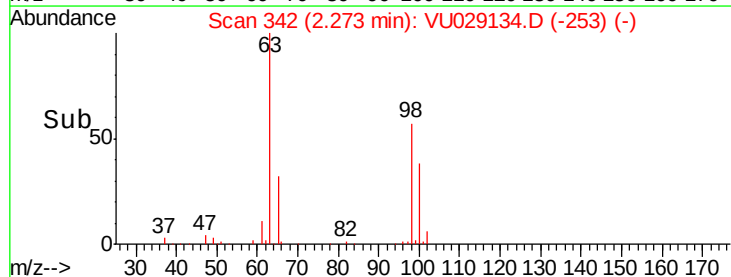
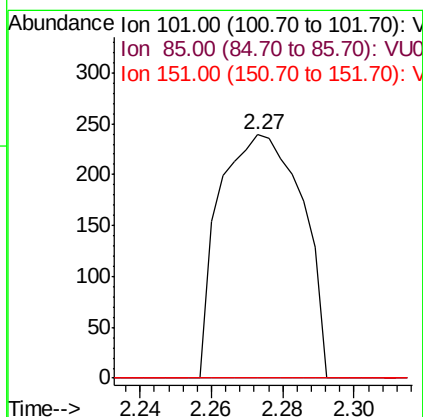
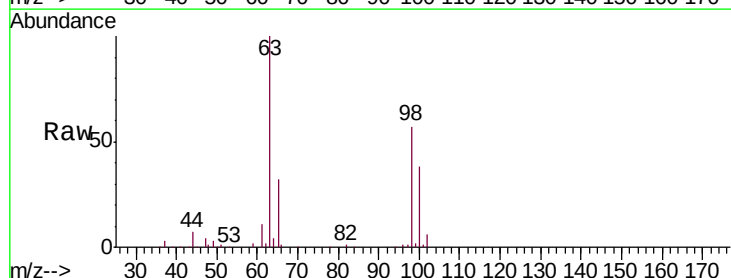
Tgt Ion: 101 Resp: 383

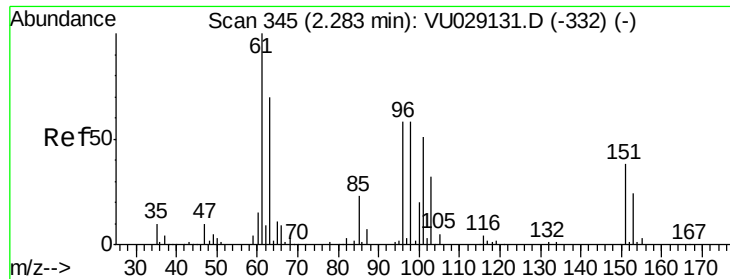
Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 60.9 91.3#

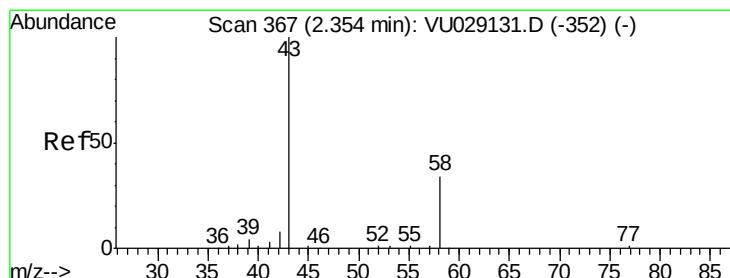
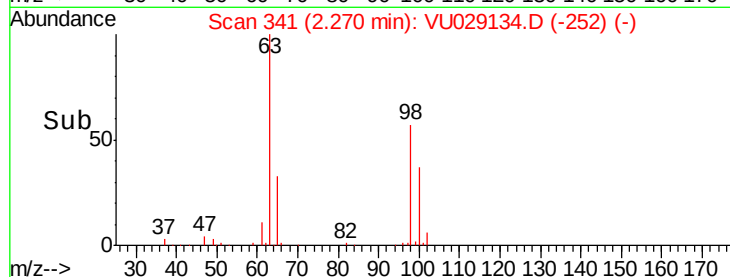
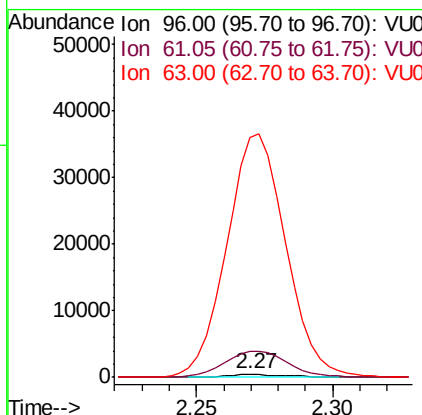
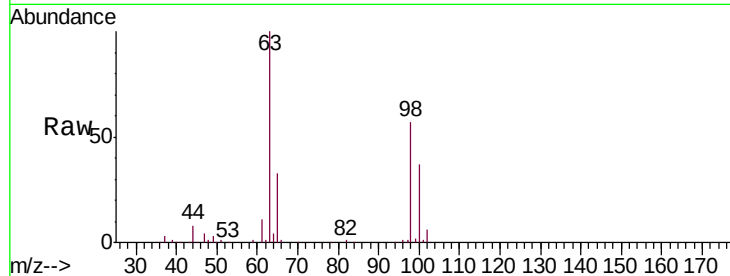




#12  
 1,1-Dichloroethene  
 Concen: 0.078 ug/L  
 RT: 2.27 min Scan# 341  
 Delta R.T. -0.01 min  
 Lab File: VU029134.D  
 Acq: 11 Jan 2019 11:08

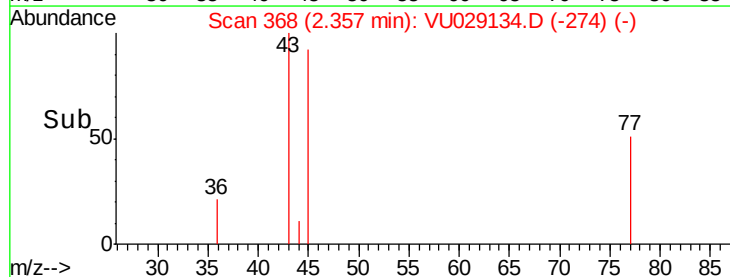
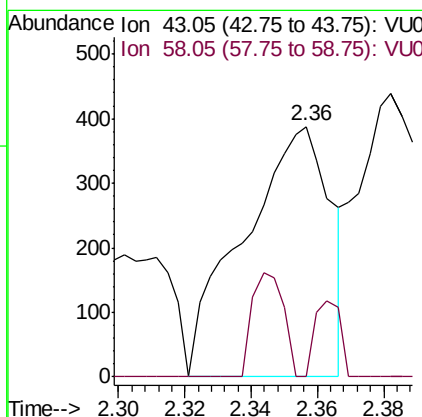
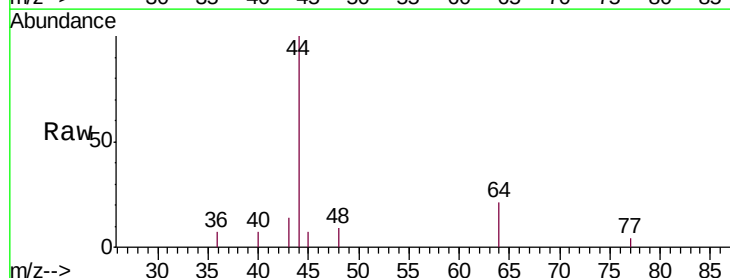
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEJF7

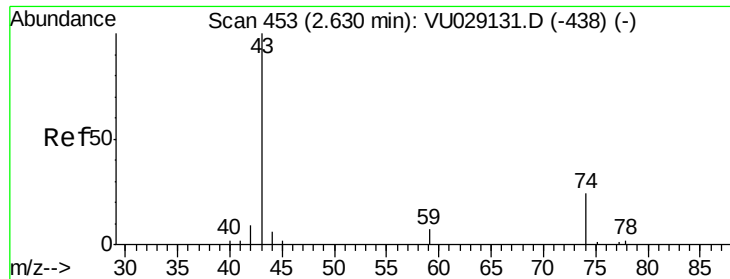
Tgt Ion: 96 Resp: 718  
 Ion Ratio Lower Upper  
 96 100  
 61 859.3 110.5 205.3#  
 63 7929.5 67.6 125.6#



#13  
 Acetone  
 Concen: 0.486 ug/L  
 RT: 2.36 min Scan# 368  
 Delta R.T. 0.00 min  
 Lab File: VU029134.D  
 Acq: 11 Jan 2019 11:08

Tgt Ion: 43 Resp: 704  
 Ion Ratio Lower Upper  
 43 100  
 58 8.9 0.0 71.8

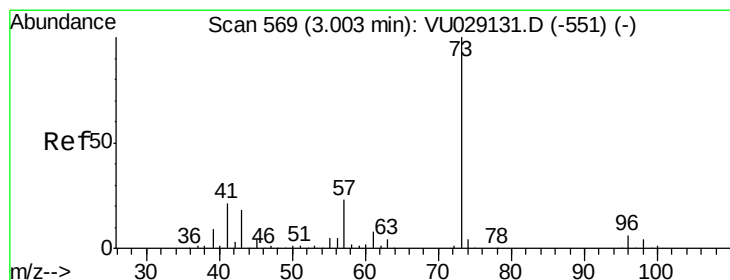
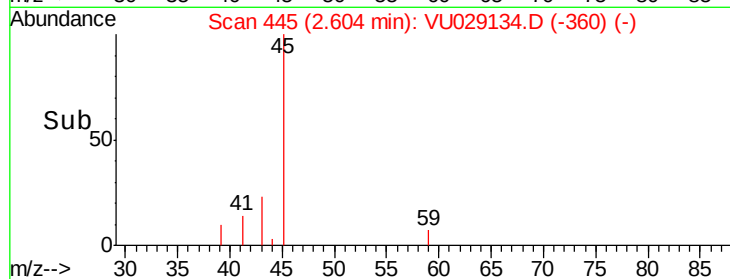
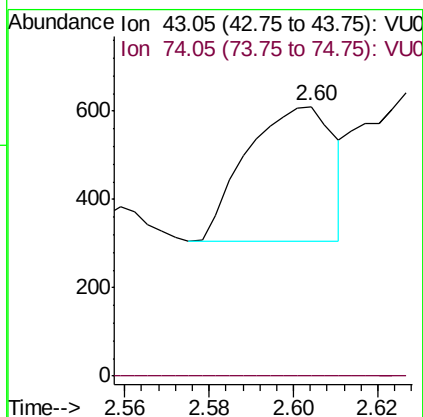
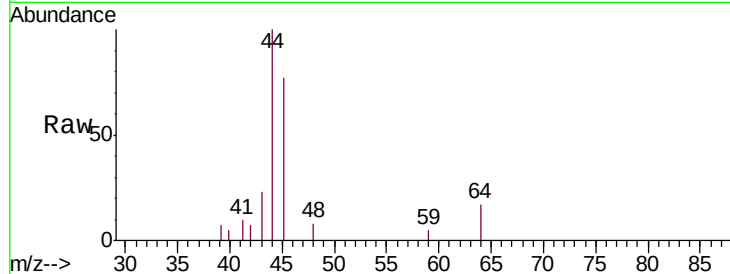




#15  
Methyl Acetate  
Concen: 0.103 ug/L  
RT: 2.60 min Scan# 445  
Delta R.T. -0.03 min  
Lab File: VU029134.D  
Acq: 11 Jan 2019 11:08

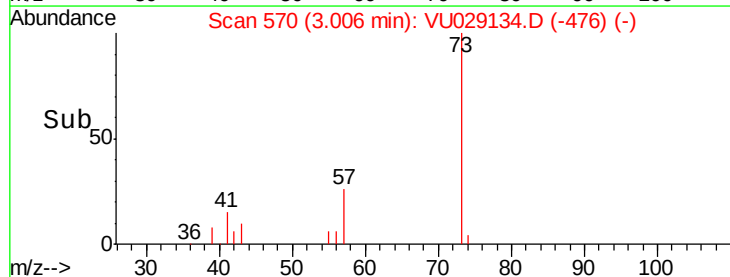
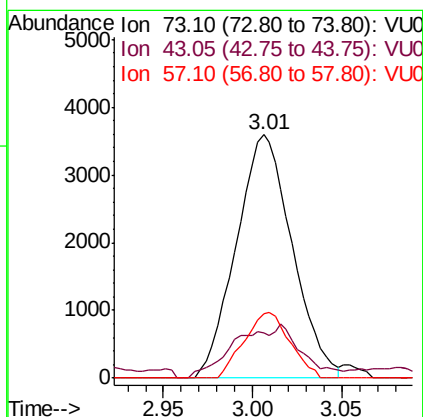
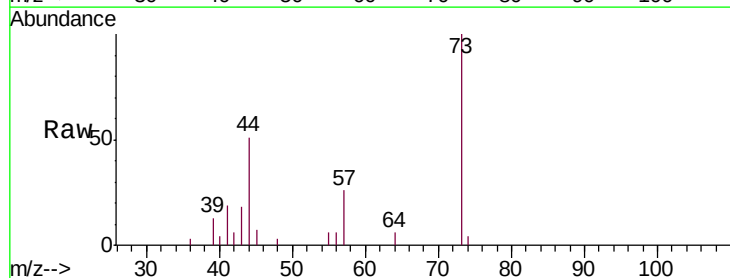
Instrument :  
MSVOA\_U  
ClientSampleId :  
BEJF7

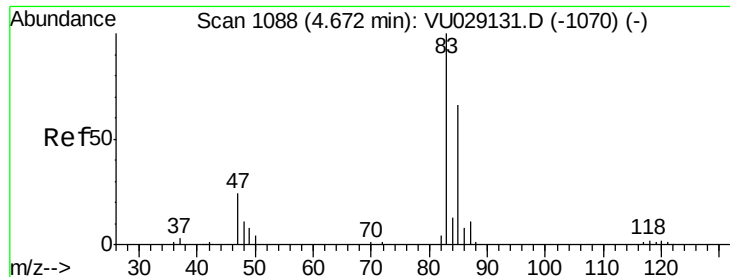
Tgt Ion: 43 Resp: 438  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.6 30.8#



#17  
Methyl tert-butyl Ether  
Concen: 0.348 ug/L  
RT: 3.01 min Scan# 570  
Delta R.T. 0.00 min  
Lab File: VU029134.D  
Acq: 11 Jan 2019 11:08

Tgt Ion: 73 Resp: 7852  
Ion Ratio Lower Upper  
73 100  
43 14.7 13.8 20.8  
57 22.1 17.5 26.3

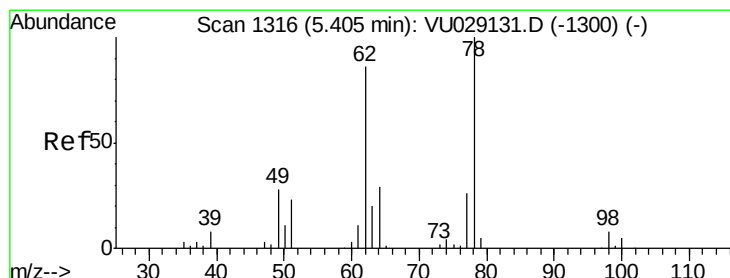
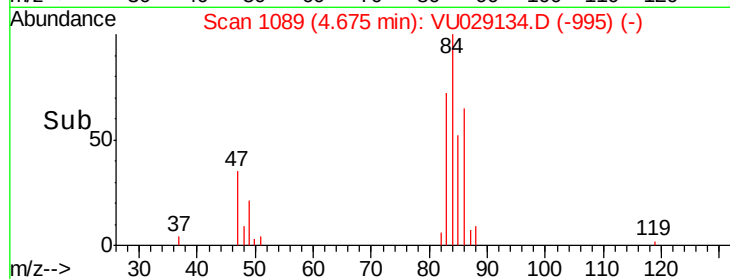
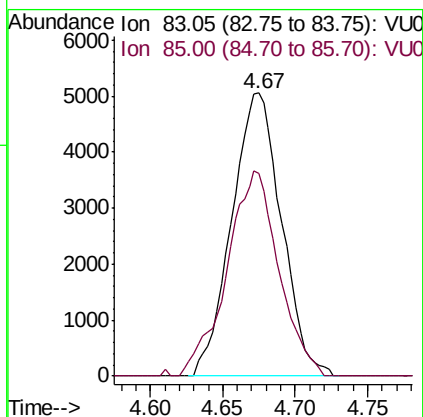
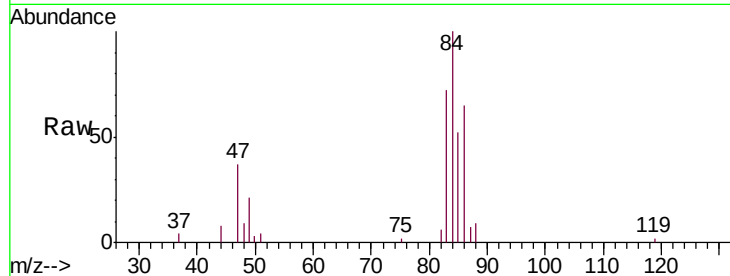




#25  
Chloroform  
Concen: 0.741 ug/L  
RT: 4.67 min Scan# 1089  
Delta R.T. 0.00 min  
Lab File: VU029134.D  
Acq: 11 Jan 2019 11:08

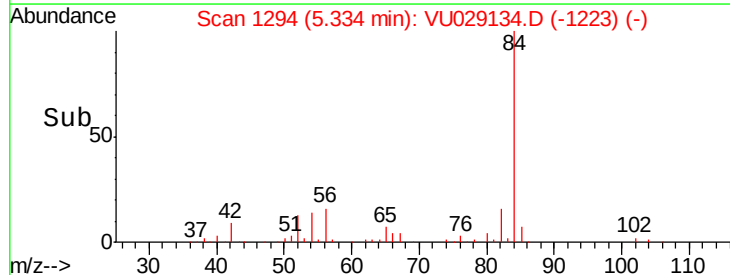
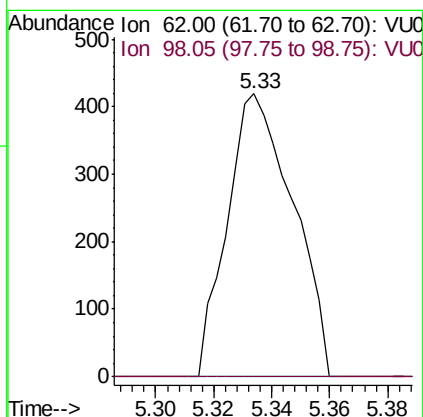
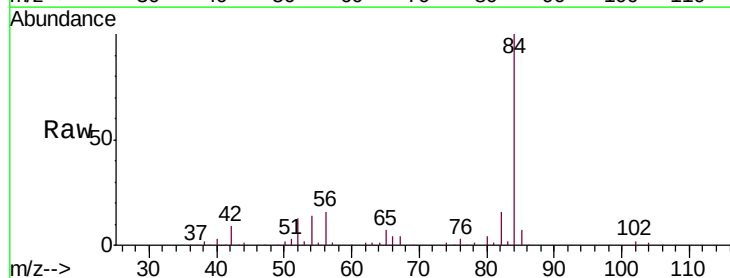
Instrument :  
MSVOA\_U  
ClientSampleId :  
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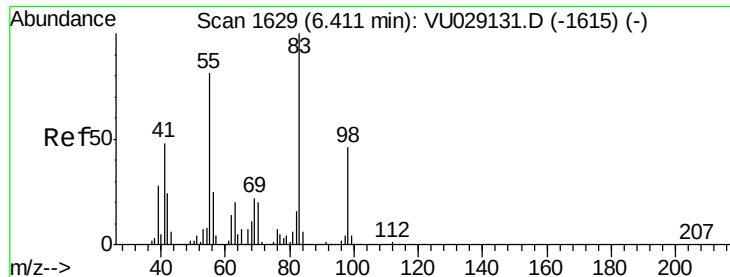
Tgt Ion: 83 Resp: 12077  
Ion Ratio Lower Upper  
83 100  
85 71.8 45.6 84.8



#27  
1,2-Dichloroethane  
Concen: 0.068 ug/L  
RT: 5.33 min Scan# 1294  
Delta R.T. -0.07 min  
Lab File: VU029134.D  
Acq: 11 Jan 2019 11:08

Tgt Ion: 62 Resp: 659  
Ion Ratio Lower Upper  
62 100  
98 0.0 8.2 12.2#

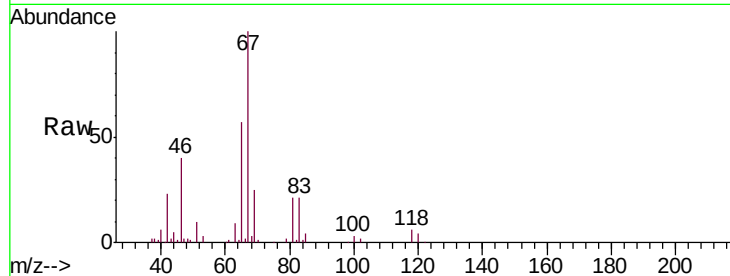




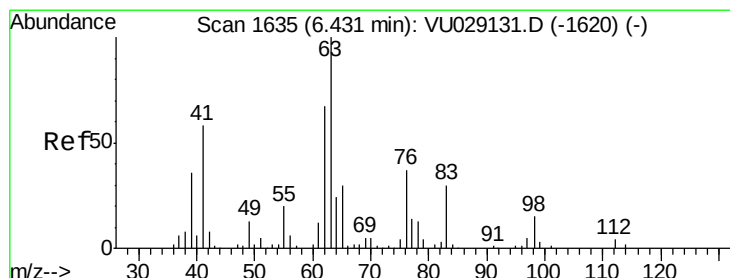
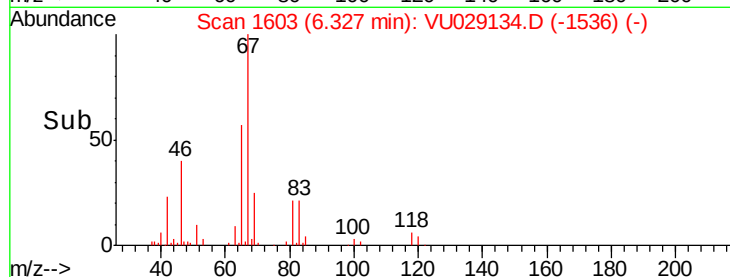
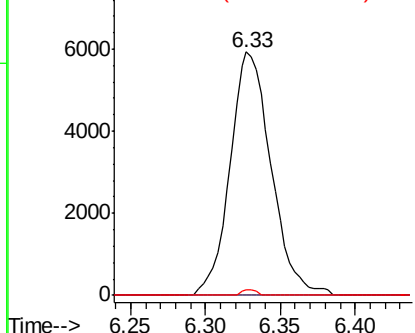
#35  
Methylcyclohexane  
Concen: 0.643 ug/L  
RT: 6.33 min Scan# 1603  
Delta R.T. -0.08 min  
Lab File: VU029134.D  
Acq: 11 Jan 2019 11:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
BEJF7

Tgt Ion: 83 Resp: 11315  
Ion Ratio Lower Upper  
83 100  
55 0.0 59.8 89.6#  
98 0.8 37.0 55.6#

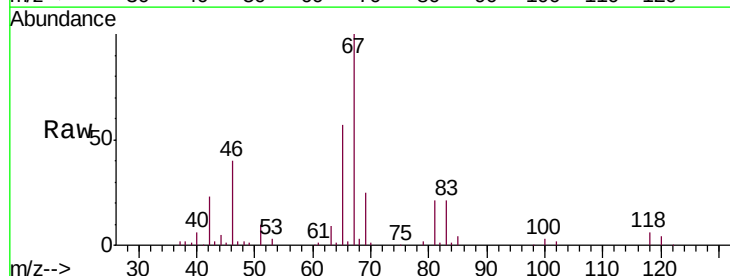


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

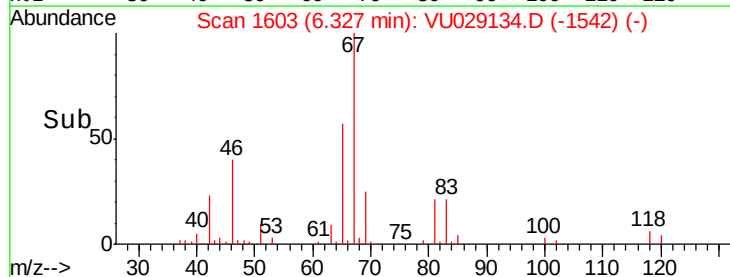
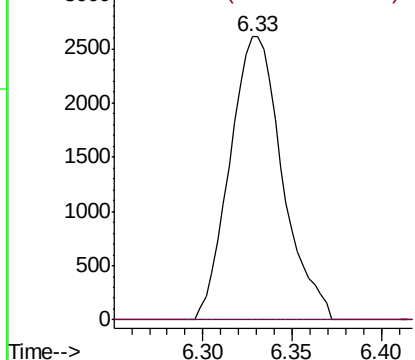


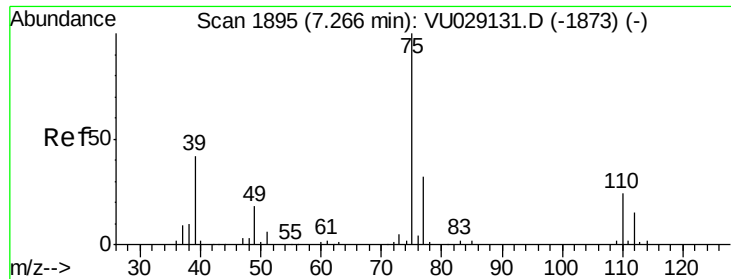
#37  
1,2-Dichloropropane  
Concen: 0.524 ug/L  
RT: 6.33 min Scan# 1603  
Delta R.T. -0.10 min  
Lab File: VU029134.D  
Acq: 11 Jan 2019 11:08

Tgt Ion: 63 Resp: 5349  
Ion Ratio Lower Upper  
63 100  
112 0.8 3.0 4.4#



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

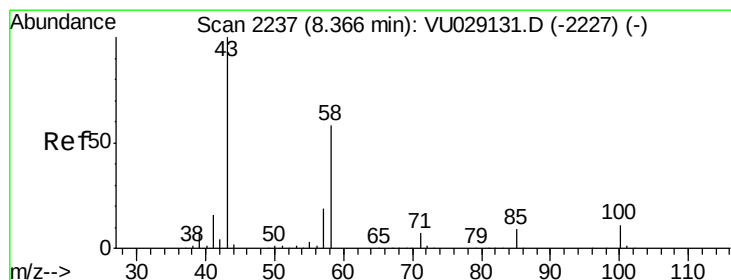
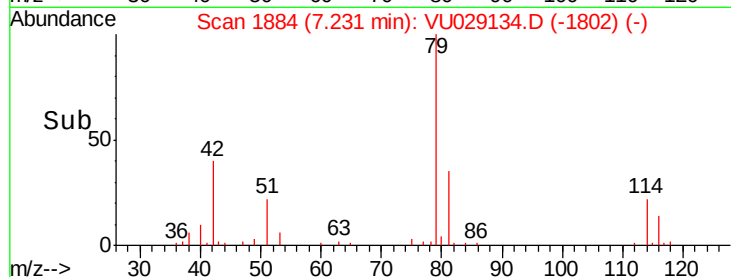
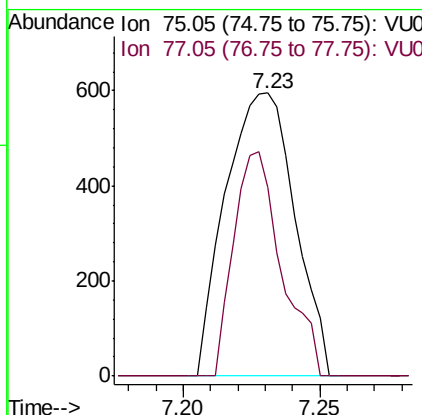
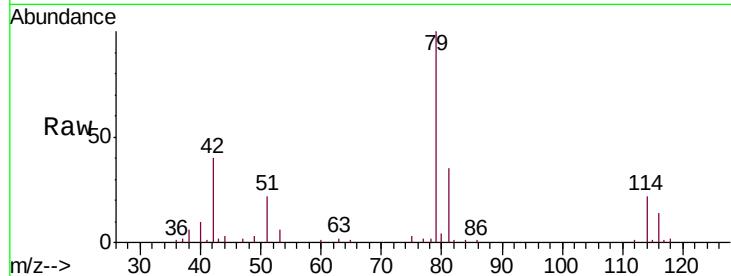




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.072 ug/L  
 RT: 7.23 min Scan# 1884  
 Delta R.T. -0.04 min  
 Lab File: VU029134.D  
 Acq: 11 Jan 2019 11:08

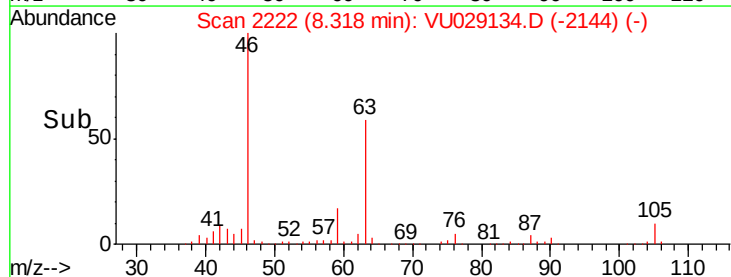
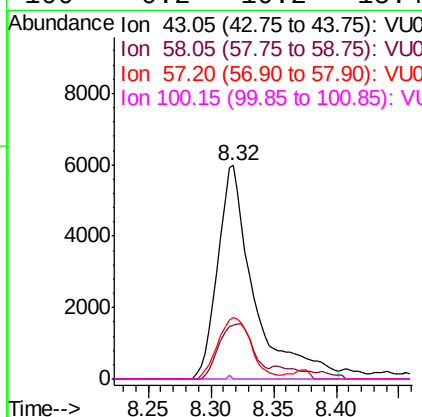
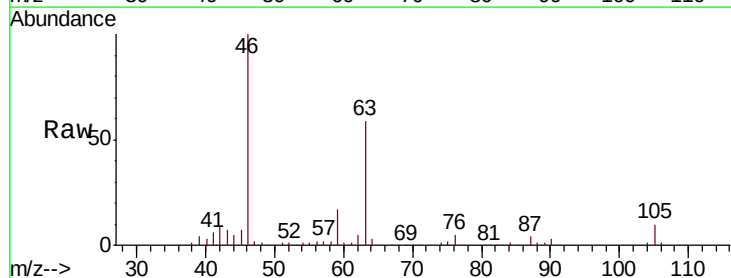
Instrument :  
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Tgt Ion: 75 Resp: 1049  
 Ion Ratio Lower Upper  
 75 100  
 77 66.7 21.5 39.9#

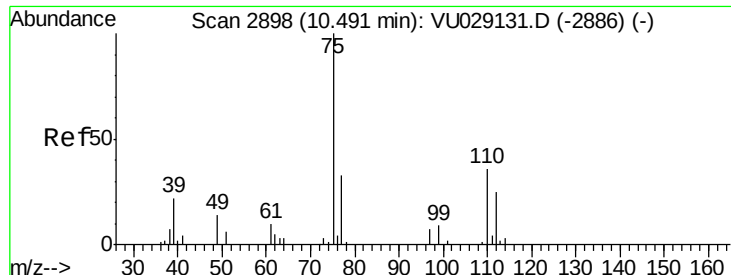


#48  
 2-Hexanone  
 Concen: 3.198 ug/L  
 RT: 8.32 min Scan# 2222  
 Delta R.T. -0.05 min  
 Lab File: VU029134.D  
 Acq: 11 Jan 2019 11:08

Tgt Ion: 43 Resp: 12023  
 Ion Ratio Lower Upper  
 43 100  
 58 24.1 48.8 73.2#  
 57 26.4 16.0 24.0#  
 100 0.2 10.2 15.4#







#59

1,2,3-Trichloropropane

Concen: 1.094 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU029134.D

Acq: 11 Jan 2019 11:08

Instrument :

MSVOA\_U

ClientSampleId :

BEJF7

Tgt Ion: 75 Resp: 6513

Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0

