

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU040819\  
 Data File : VU030873.D  
 Acq On : 07 Apr 2019 22:11  
 Operator : JC/SP  
 Sample : K2284-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEZA4

Quant Time: Apr 08 04:44:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR032919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Apr 08 04:40:32 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 228941   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 237288   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 92433    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 106818   | 6.10     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 122.00%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 89285    | 6.33     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 126.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 155518   | 4.34     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 86.80%   |
| 20) 2-Butanone-d5              | 4.19   | 46    | 290585   | 64.46    | ug/L | -0.03    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 128.92%  |
| 24) Chloroform-d               | 4.64   | 84    | 153847   | 5.18     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 100862   | 6.41     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 128.20%  |
| 32) Benzene-d6                 | 5.33   | 84    | 342174   | 5.42     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 108.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 120769   | 5.76     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 115.20%  |
| 41) Toluene-d8                 | 7.56   | 98    | 276029   | 4.95     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.00%   |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 37340    | 4.80     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.00%   |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 185128   | 54.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 109.40%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 93174    | 6.21     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 124.20%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 94201    | 6.09     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 121.80%# |

## Target Compounds

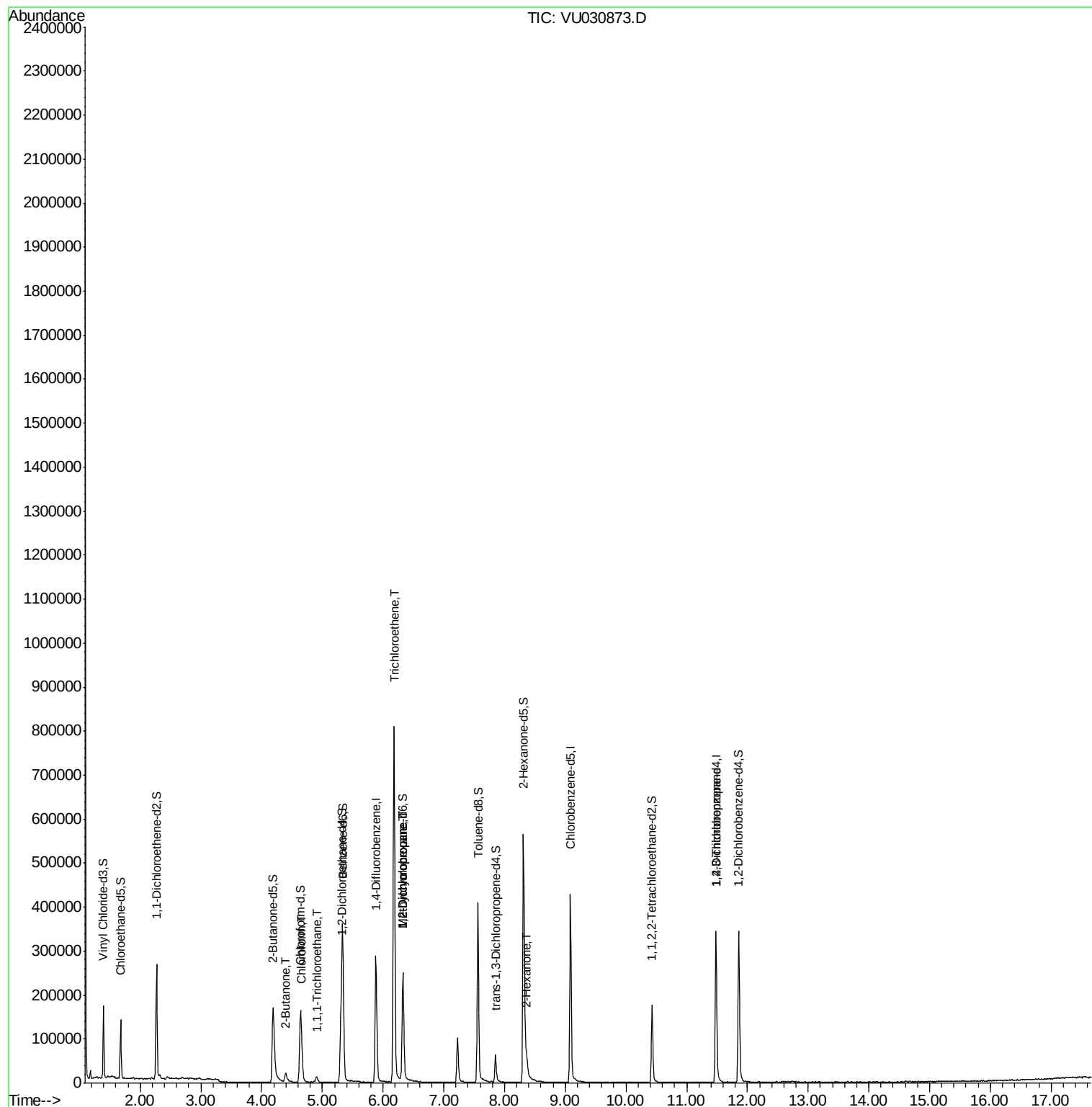
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 21) 2-Butanone             | 4.40  | 43   | 32040    | 5.800  | ug/L # | 57     |
| 25) Chloroform             | 4.67  | 83   | 28443    | 0.836  | ug/L   | 96     |
| 29) 1,1,1-Trichloroethane  | 4.91  | 97   | 9394     | 0.311  | ug/L # | 85     |
| 34) Trichloroethene        | 6.18  | 95   | 297143   | 14.788 | ug/L   | 98     |
| 35) Methylcyclohexane      | 6.33  | 83   | 25736    | 0.803  | ug/L # | 14     |
| 37) 1,2-Dichloropropane    | 6.32  | 63   | 12947    | 0.586  | ug/L # | 91     |
| 48) 2-Hexanone             | 8.37  | 43   | 23834    | 2.496  | ug/L # | 84     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75   | 11388    | 0.923  | ug/L   | 90     |

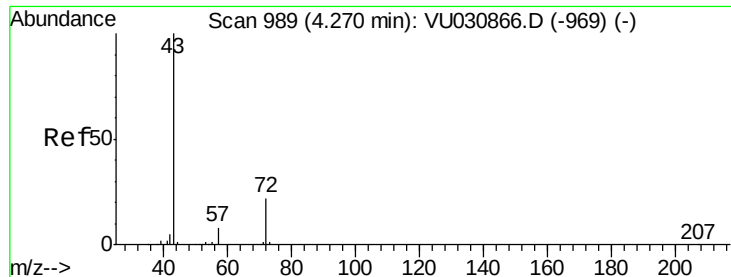
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 08 04:40:32 2019  
Response via : Initial Calibration





#21

2-Butanone

Concen: 5.800 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.10 min

Lab File: VU030873.D

Acq: 07 Apr 2019 22:11

Instrument :

MSVOA\_U

ClientSampleId :

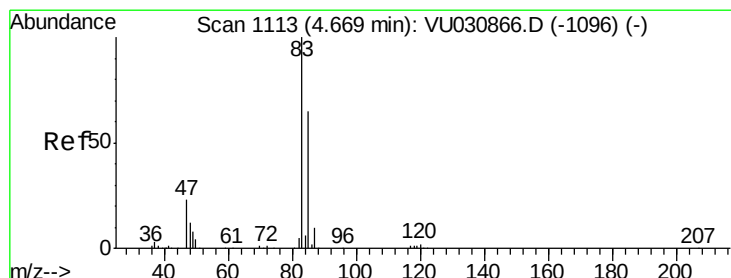
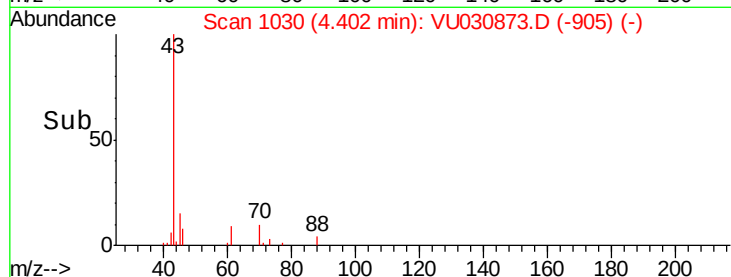
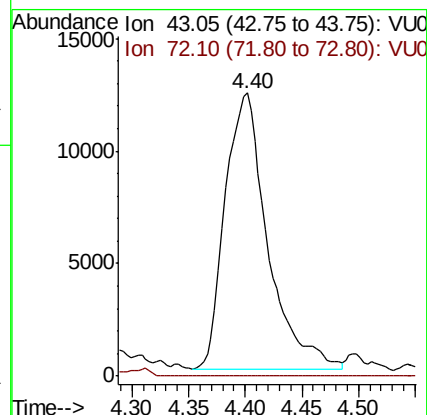
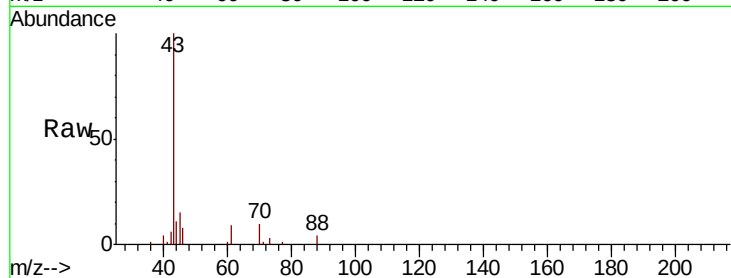
BEZA4

Tgt Ion: 43 Resp: 32040

Ion Ratio Lower Upper

43 100

72 1.6 11.2 33.5#



#25

Chloroform

Concen: 0.836 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VU030873.D

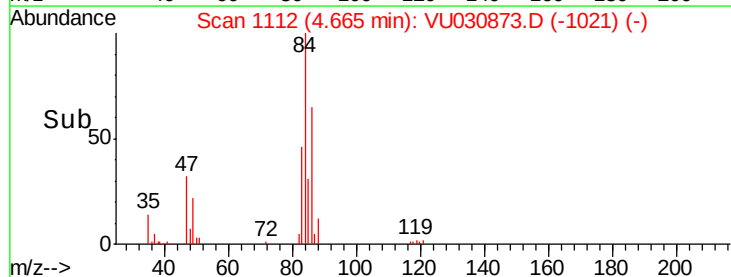
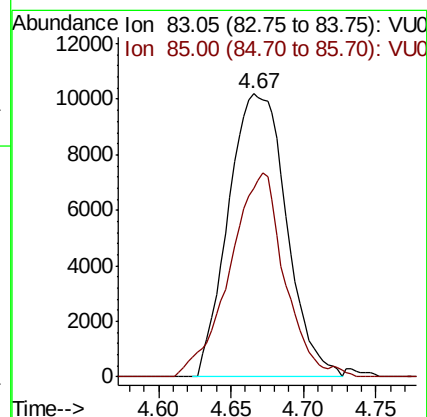
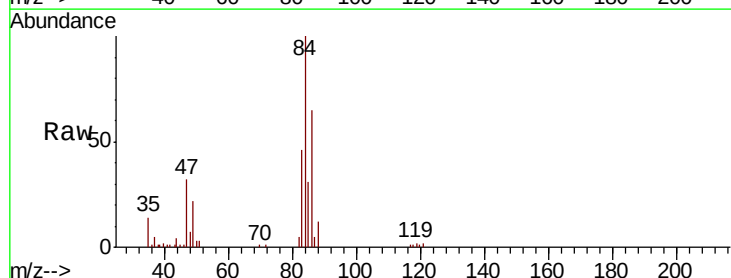
Acq: 07 Apr 2019 22:11

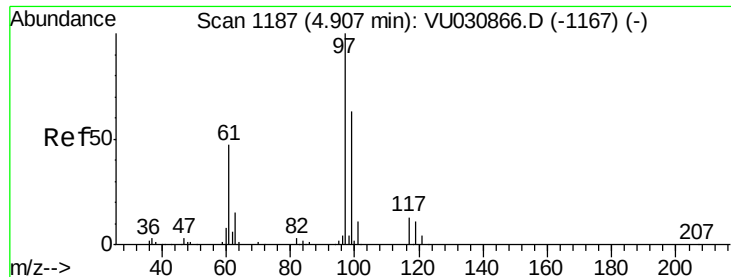
Tgt Ion: 83 Resp: 28443

Ion Ratio Lower Upper

83 100

85 66.4 44.2 82.2

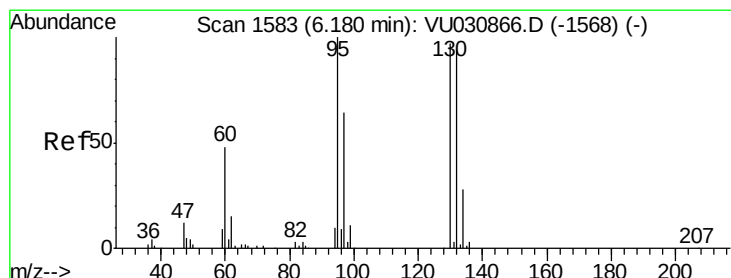
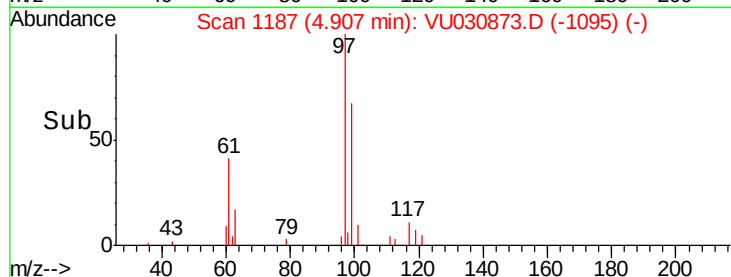
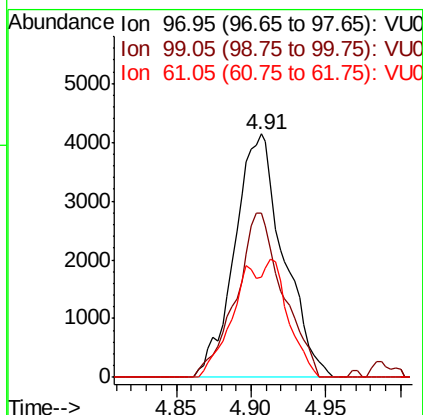
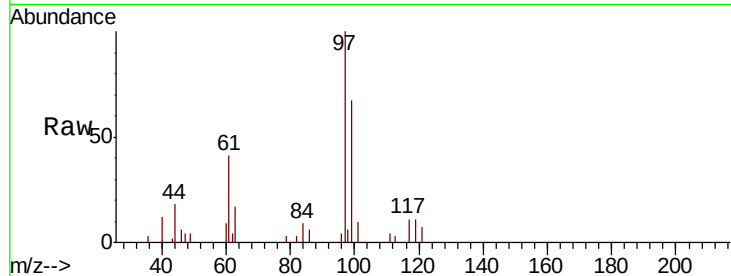




#29  
 1,1,1-Trichloroethane  
 Concen: 0.311 ug/L  
 RT: 4.91 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: VU030873.D  
 Acq: 07 Apr 2019 22:11

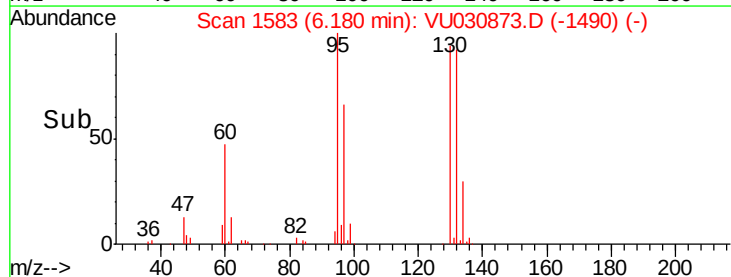
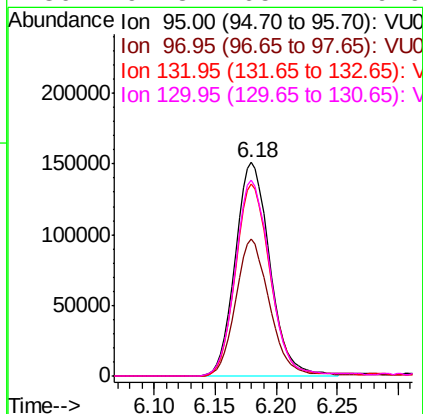
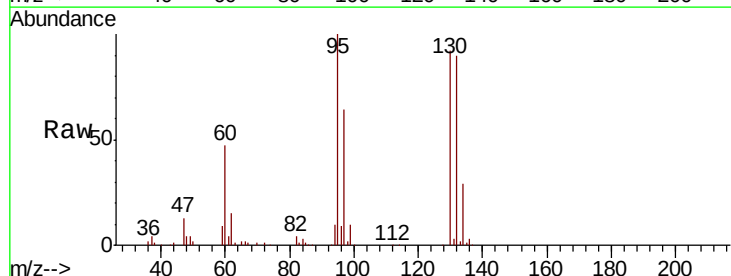
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 BEZA4

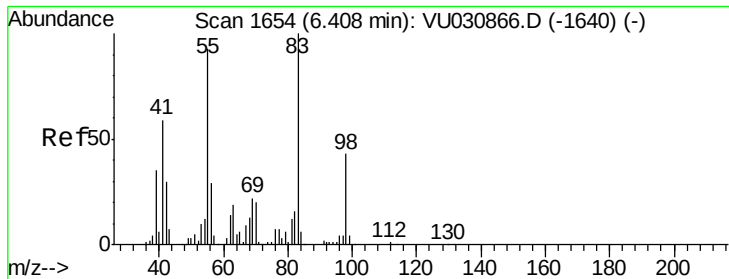
Tgt Ion: 97 Resp: 9394  
 Ion Ratio Lower Upper  
 97 100  
 99 64.8 51.8 77.6  
 61 23.9 38.1 57.1#



#34  
 Trichloroethene  
 Concen: 14.788 ug/L  
 RT: 6.18 min Scan# 1583  
 Delta R.T. -0.00 min  
 Lab File: VU030873.D  
 Acq: 07 Apr 2019 22:11

Tgt Ion: 95 Resp: 297143  
 Ion Ratio Lower Upper  
 95 100  
 97 64.2 43.5 80.9  
 132 90.0 60.7 112.7  
 130 91.8 65.1 120.9

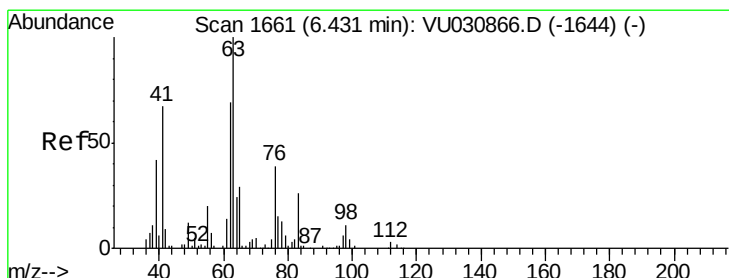
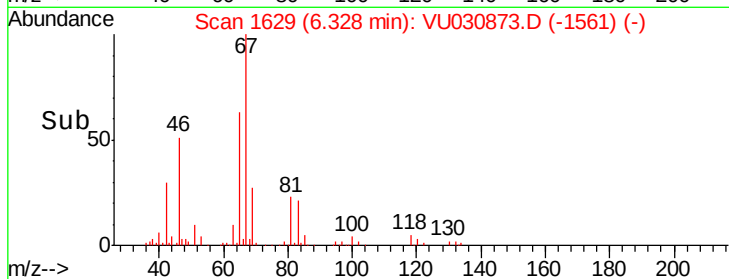
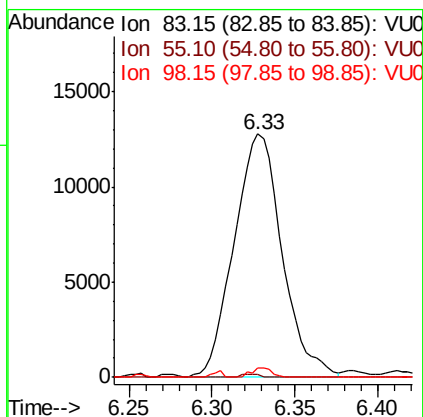
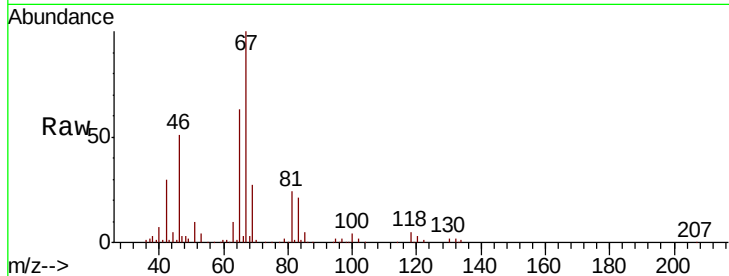




#35  
Methylcyclohexane  
Concen: 0.803 ug/L  
RT: 6.33 min Scan# 1629  
Delta R.T. -0.08 min  
Lab File: VU030873.D  
Acq: 07 Apr 2019 22:11

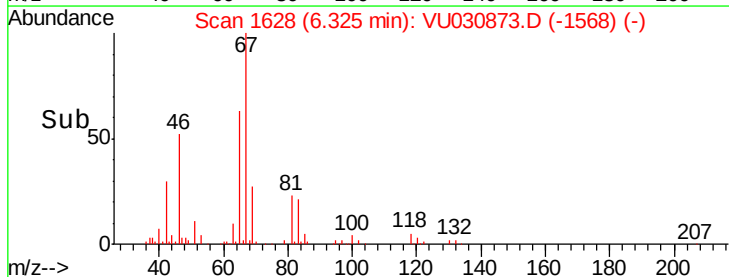
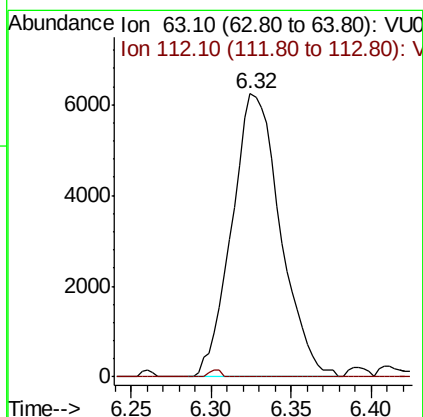
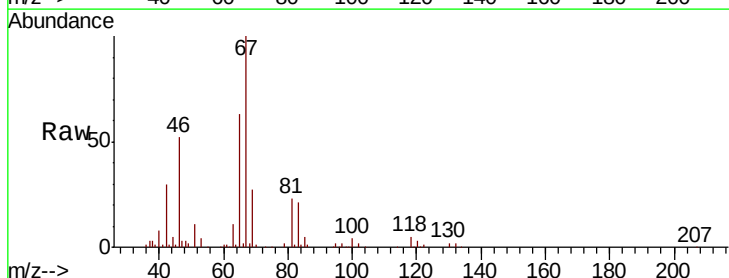
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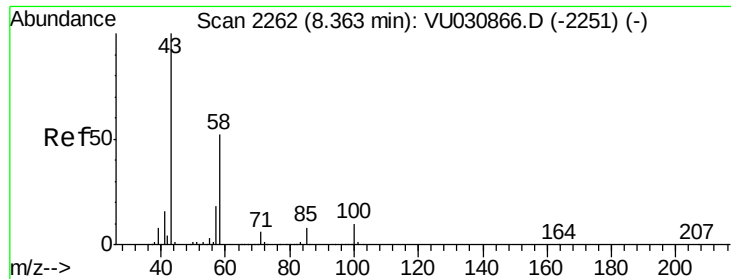
Tgt Ion: 83 Resp: 25736  
Ion Ratio Lower Upper  
83 100  
55 0.5 72.6 108.8#  
98 1.6 35.0 52.6#



#37  
1,2-Dichloropropane  
Concen: 0.586 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.11 min  
Lab File: VU030873.D  
Acq: 07 Apr 2019 22:11

Tgt Ion: 63 Resp: 12947  
Ion Ratio Lower Upper  
63 100  
112 0.6 2.8 4.2#

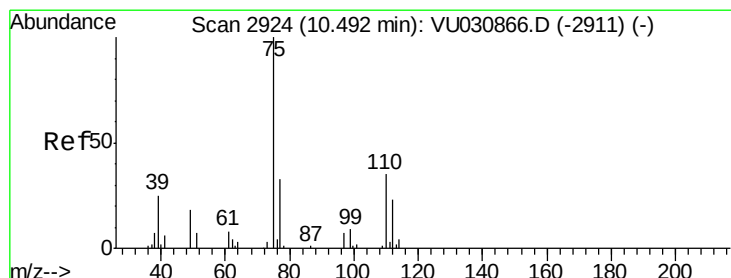
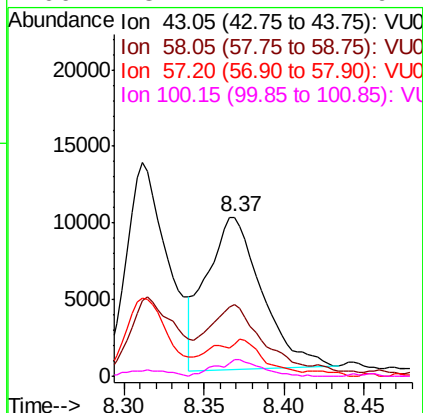
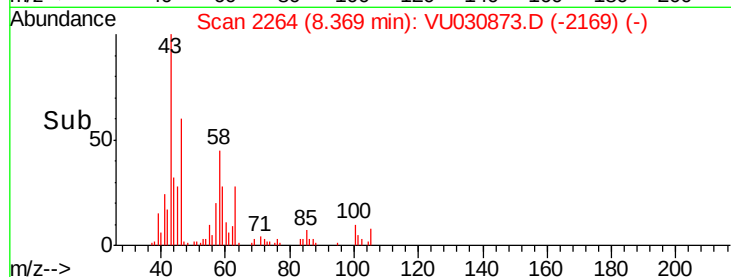
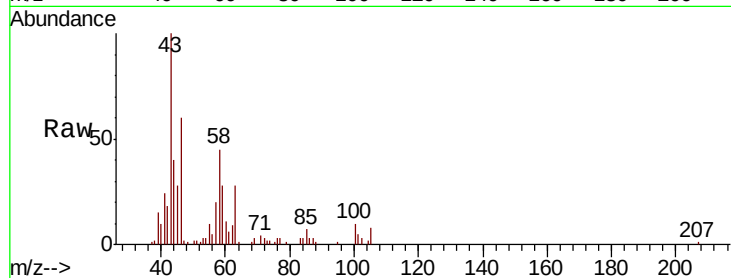




#48  
 2-Hexanone  
 Concen: 2.496 ug/L  
 RT: 8.37 min Scan# 2264  
 Delta R.T. 0.01 min  
 Lab File: VU030873.D  
 Acq: 07 Apr 2019 22:11

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEZA4

Tgt Ion: 43 Resp: 23834  
 Ion Ratio Lower Upper  
 43 100  
 58 38.0 42.5 63.7#  
 57 13.2 13.9 20.9#  
 100 8.7 7.1 10.7



#59  
 1,2,3-Trichloropropane  
 Concen: 0.923 ug/L  
 RT: 11.49 min Scan# 3233  
 Delta R.T. 0.99 min  
 Lab File: VU030873.D  
 Acq: 07 Apr 2019 22:11

Tgt Ion: 75 Resp: 11388  
 Ion Ratio Lower Upper  
 75 100  
 77 37.6 25.6 38.4

