

Data File : VW007970.D  
Acq On : 27 Dec 2018 15:24  
Operator : SY/AP  
Sample : J6506-17  
Misc : 4.68G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BEZY7

Quant Time: Dec 28 04:06:20 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122618S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 28 04:01:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 103988   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 93284    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 42778    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 23973    | 23.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.56% |
| 7) Chloroethane-d5             | 2.89   | 69    | 16146    | 23.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.56% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 48238    | 17.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.56% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 17798    | 40.72    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 81.44% |
| 24) Chloroform-d               | 7.65   | 84    | 65066    | 23.52    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.08% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 40507    | 24.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 97.68% |
| 29) Benzene-d6                 | 8.27   | 84    | 123116   | 23.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.12% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 34790    | 24.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.80% |
| 37) Toluene-d8                 | 10.32  | 98    | 116419   | 22.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.36% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 18462    | 22.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.40% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 14981    | 41.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.32% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 30321    | 22.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.56% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 38745    | 22.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.68% |

#### Target Compounds

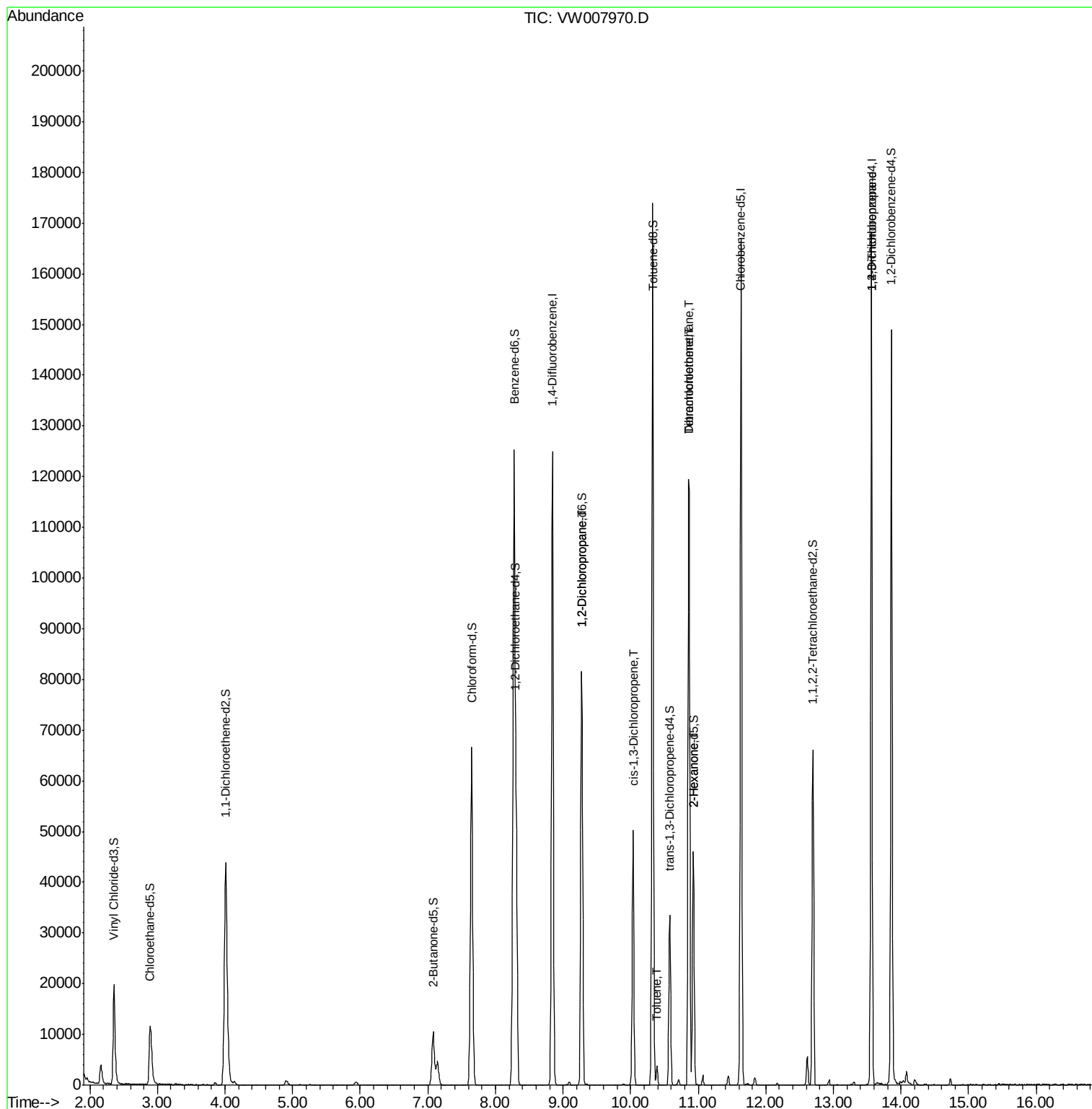
|                             |       |     |       |               | Qvalue |
|-----------------------------|-------|-----|-------|---------------|--------|
| 40) 1,2-Dichloropropane     | 9.27  | 63  | 4416  | 3.763 ug/L #  | 86     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75  | 1404  | 0.685 ug/L #  | 72     |
| 44) Toluene                 | 10.39 | 91  | 2962  | 0.530 ug/L    | 98     |
| 47) Tetrachloroethene       | 10.86 | 164 | 26149 | 22.693 ug/L   | 98     |
| 49) 2-Hexanone              | 10.93 | 43  | 2011  | 3.001 ug/L #  | 68     |
| 50) Dibromochloromethane    | 10.86 | 129 | 26503 | 20.955 ug/L # | 9      |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75  | 4634  | 4.681 ug/L #  | 82     |

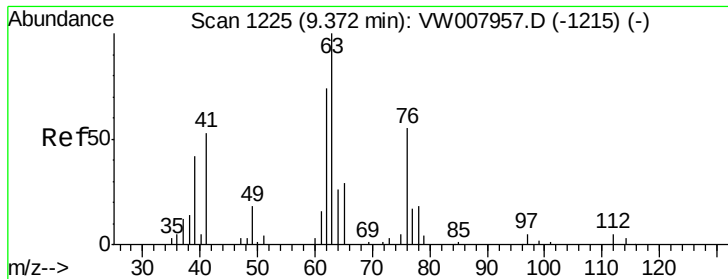
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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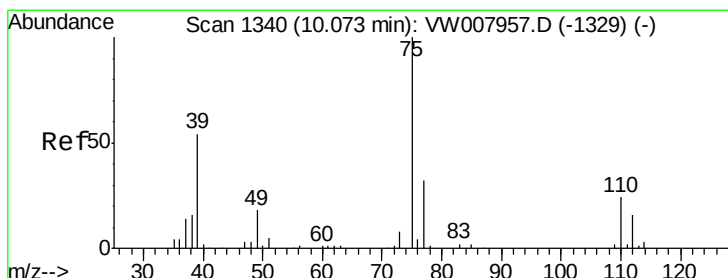
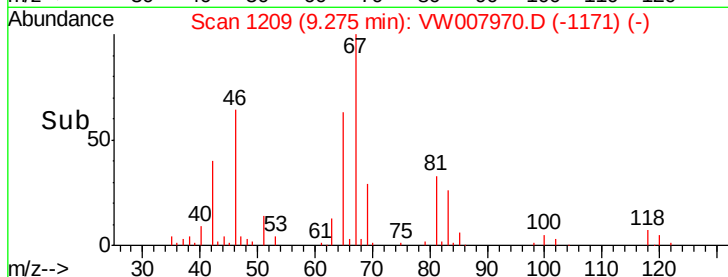
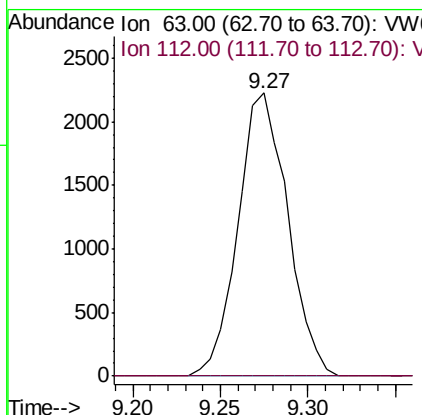
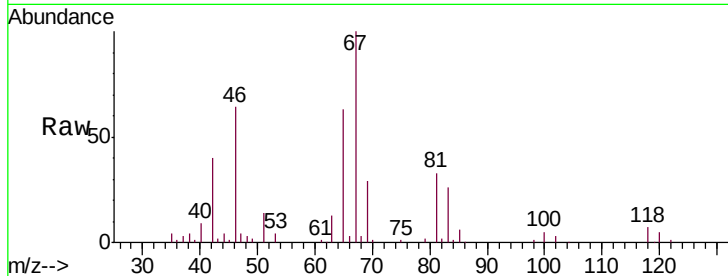




#40  
 1,2-Dichloropropane  
 Concen: 3.763 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW007970.D  
 Acq: 27 Dec 2018 15:24

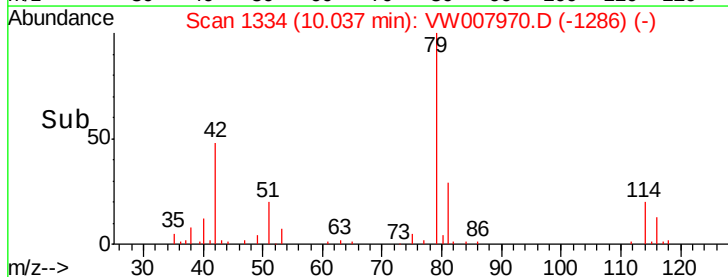
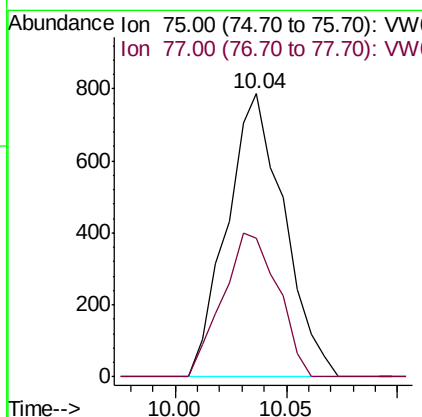
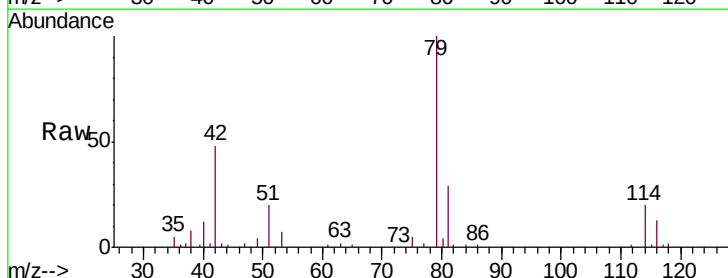
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEZY7

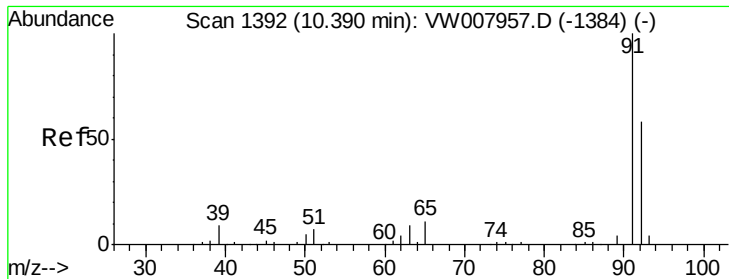
Tgt Ion: 63 Resp: 4416  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.7 5.5#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.685 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW007970.D  
 Acq: 27 Dec 2018 15:24

Tgt Ion: 75 Resp: 1404  
 Ion Ratio Lower Upper  
 75 100  
 77 48.8 23.0 42.8#





#44

Toluene

Concen: 0.530 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007970.D

Acq: 27 Dec 2018 15:24

Instrument :

MSVOA\_W

ClientSampleId :

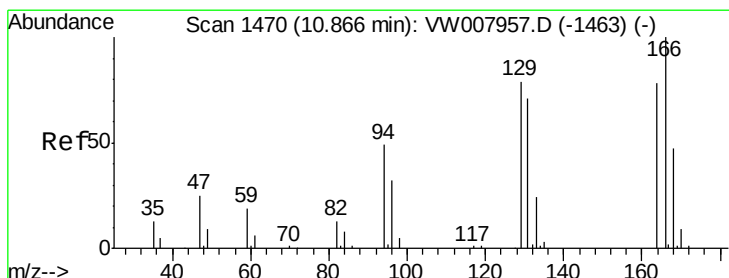
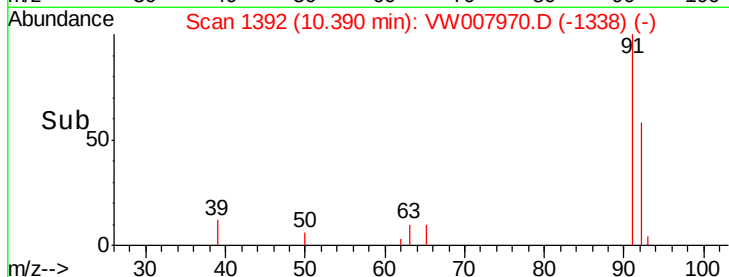
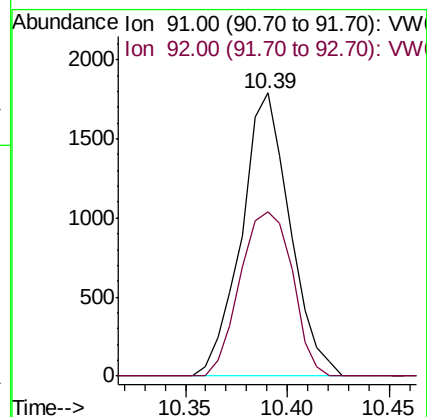
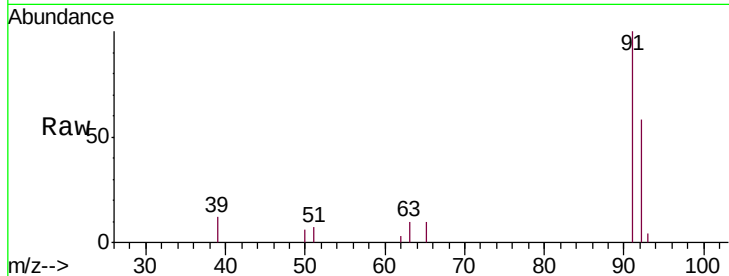
BEZY7

Tgt Ion: 91 Resp: 2962

Ion Ratio Lower Upper

91 100

92 57.9 39.6 73.6



#47

Tetrachloroethene

Concen: 22.693 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007970.D

Acq: 27 Dec 2018 15:24

Tgt Ion: 164 Resp: 26149

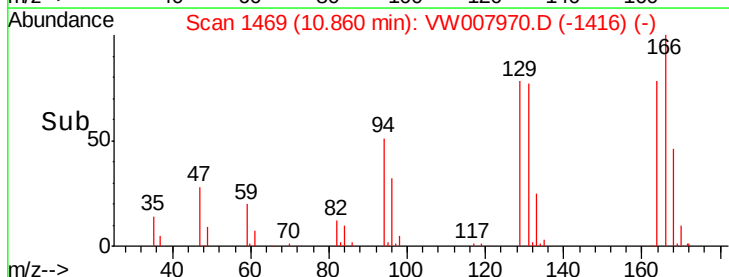
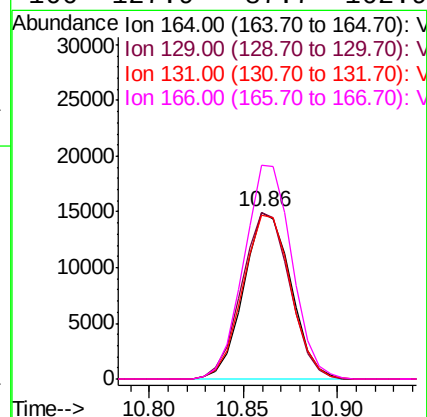
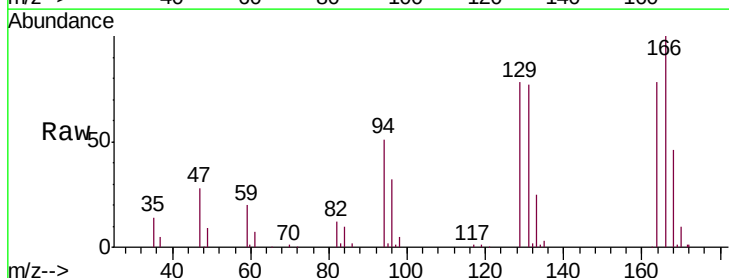
Ion Ratio Lower Upper

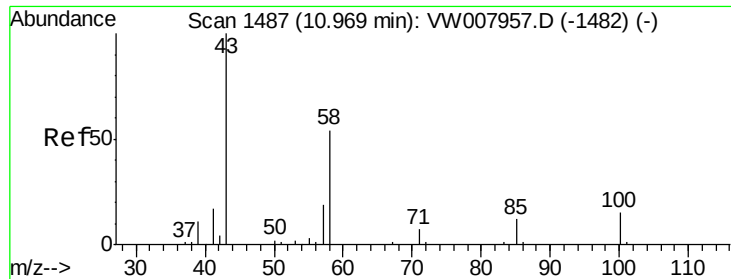
164 100

129 99.5 70.6 131.2

131 98.1 66.5 123.5

166 127.9 87.7 162.9

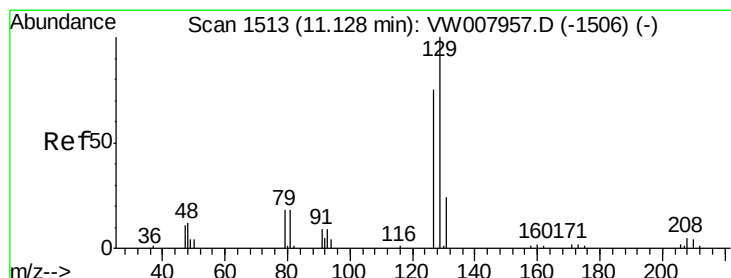
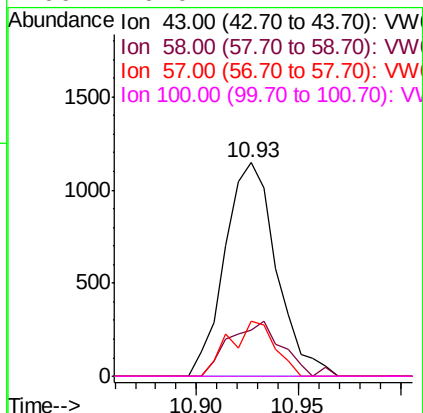
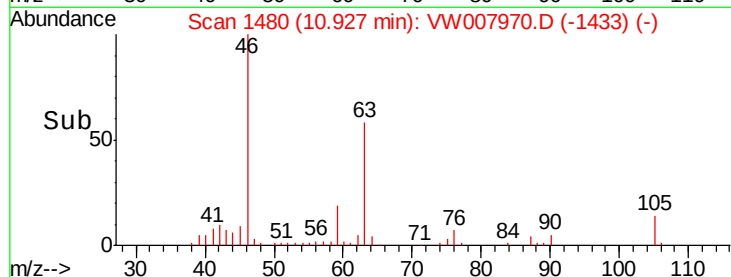
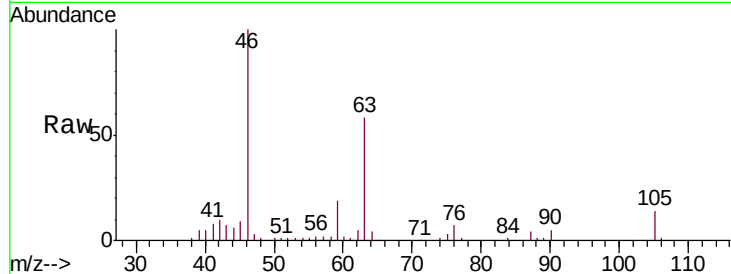




#49  
2-Hexanone  
Concen: 3.001 ug/L  
RT: 10.93 min Scan# 1480  
Delta R.T. -0.04 min  
Lab File: VW007970.D  
Acq: 27 Dec 2018 15:24

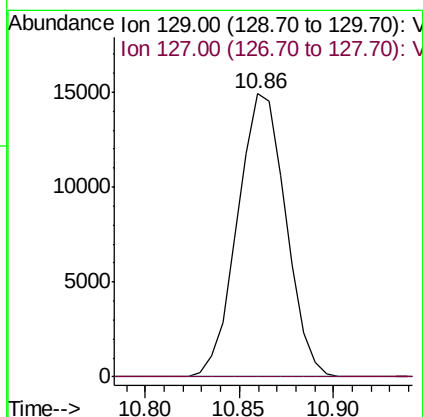
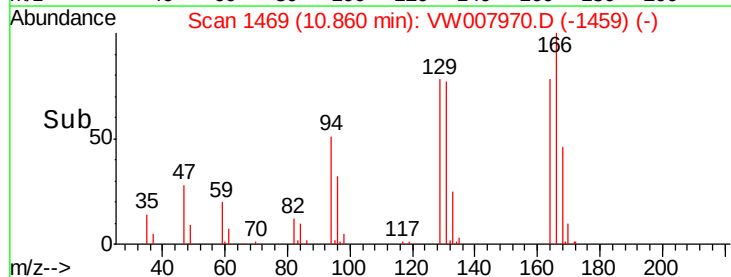
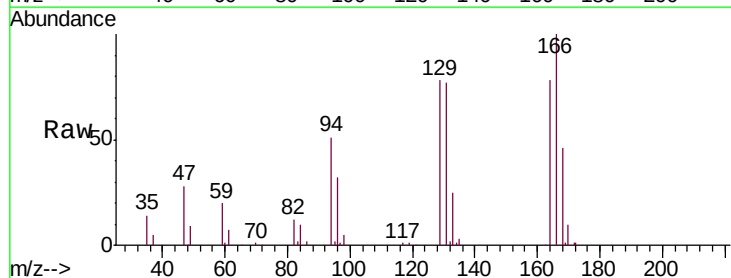
Instrument :  
MSVOA\_W  
ClientSampleId :  
BEZY7

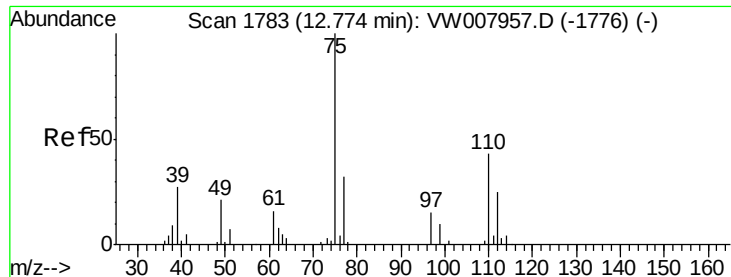
Tgt Ion: 43 Resp: 2011  
Ion Ratio Lower Upper  
43 100  
58 26.1 46.2 69.4#  
57 22.9 17.9 26.9  
100 0.0 11.4 17.2#



#50  
Dibromochloromethane  
Concen: 20.955 ug/L  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.27 min  
Lab File: VW007970.D  
Acq: 27 Dec 2018 15:24

Tgt Ion: 129 Resp: 26503  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.8 103.6#





#59

1,2,3-Trichloropropane

Concen: 4.681 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW007970.D

Acq: 27 Dec 2018 15:24

Instrument :

MSVOA\_W

ClientSampleId :

BEZY7

Tgt Ion: 75 Resp: 4634

Ion Ratio Lower Upper

75 100

77 41.8 25.5 38.3#

