

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011221\  
 Data File : VW017837.D  
 Acq On : 12 Jan 2021 15:52  
 Operator : SY/VA  
 Sample : M1074-21  
 Misc : 4.61G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jan 13 03:22:35 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 08 21:58:14 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 322794   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 308172   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 134970   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 114905   | 23.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 94484    | 22.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.68%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 151010   | 17.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.40%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 42312    | 52.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.54% |
| 24) Chloroform-d               | 7.65   | 84    | 192947   | 22.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 111416   | 25.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.08% |
| 29) Benzene-d6                 | 8.27   | 84    | 381888   | 22.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.00%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 110313   | 23.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.20%  |
| 37) Toluene-d8                 | 10.32  | 98    | 356944   | 21.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.64%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 45218    | 21.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 84.80%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29619    | 49.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.58%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 79659    | 22.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 89.72%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 104452   | 22.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.88%  |

## Target Compounds

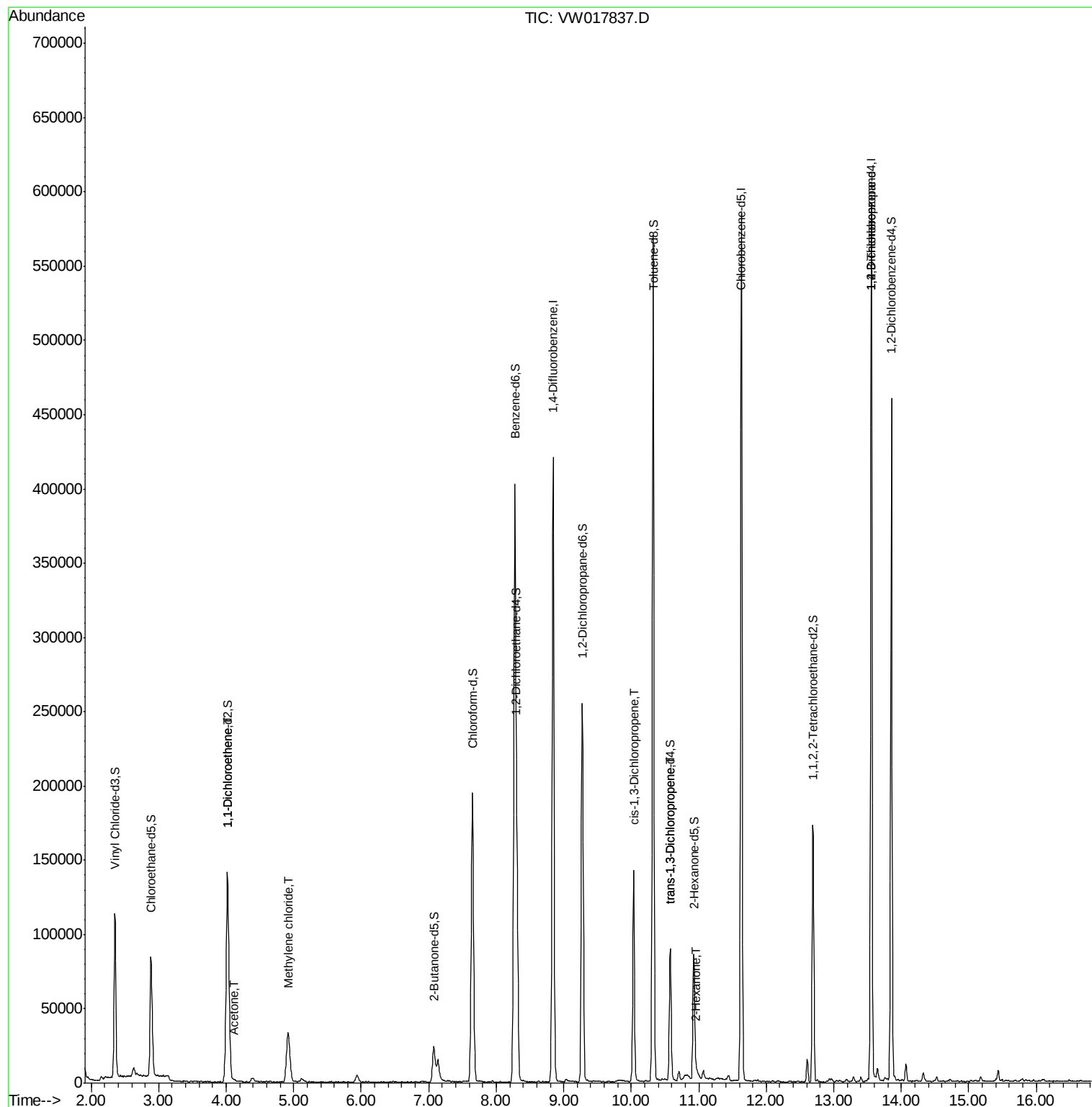
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene        | 4.02  | 96 | 1073  | 0.270 ug/L # | 1      |
| 13) Acetone                   | 4.11  | 43 | 635   | 0.908 ug/L   | 94     |
| 16) Methylene chloride        | 4.92  | 84 | 27274 | 5.909 ug/L   | 93     |
| 42) cis-1,3-Dichloropropene   | 10.03 | 75 | 4427  | 0.667 ug/L # | 77     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 2888  | 0.511 ug/L   | 92     |
| 49) 2-Hexanone                | 10.97 | 43 | 1282  | 0.894 ug/L # | 68     |
| 59) 1,2,3-Trichloropropane    | 13.55 | 75 | 21398 | 8.435 ug/L   | 95     |

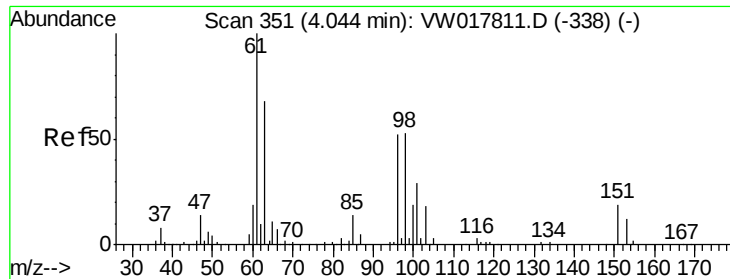
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011221\  
Data File : VW017837.D  
Acq On : 12 Jan 2021 15:52  
Operator : SY/VA  
Sample : M1074-21  
Misc : 4.61G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jan 13 03:22:35 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122420S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jan 08 21:58:14 2021  
Response via : Initial Calibration

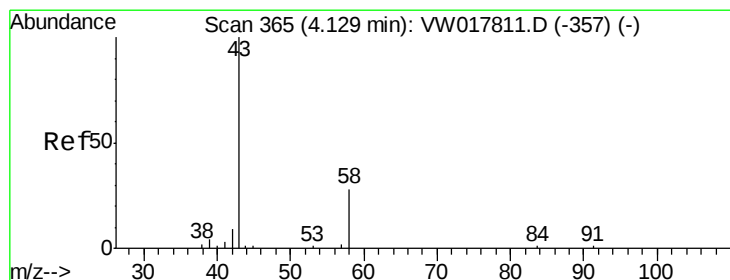
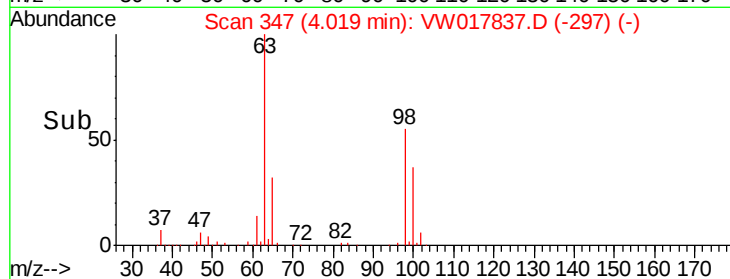
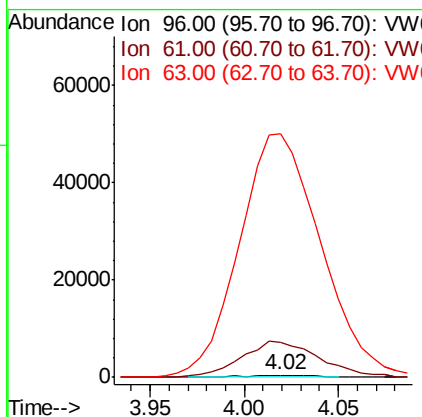
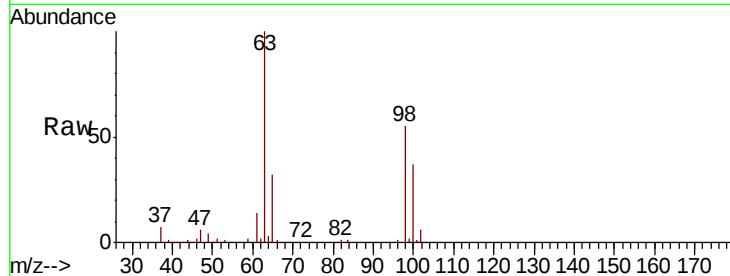




#12  
 1,1-Dichloroethene  
 Concen: 0.270 ug/L  
 RT: 4.02 min Scan# 347  
 Delta R.T. -0.02 min  
 Lab File: VW017837.D  
 Acq: 12 Jan 2021 15:52

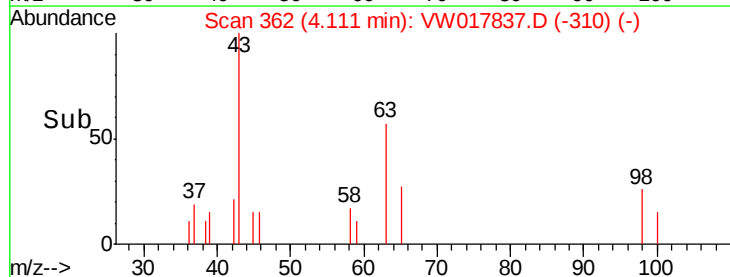
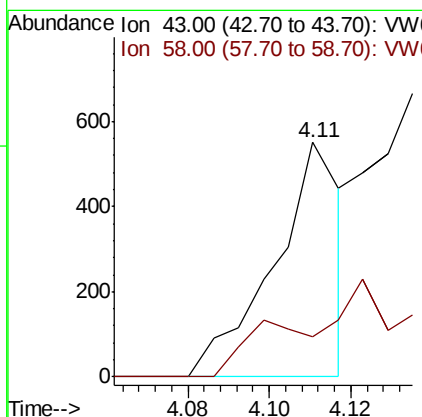
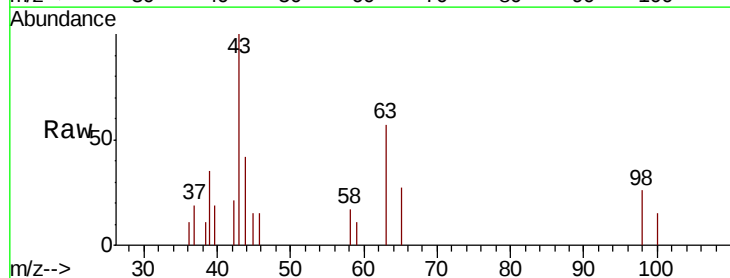
Instrument :  
 MSVOA\_W  
 ClientSampled :

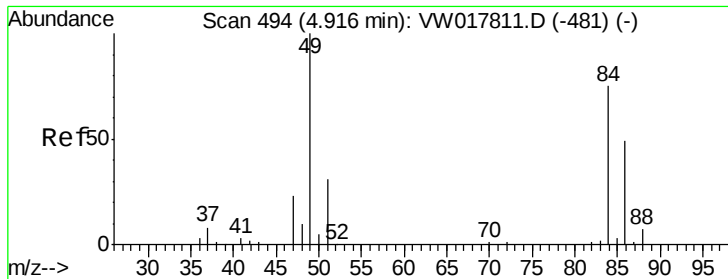
Tot Ion: 96 Resp: 1073  
 Ion Ratio Lower Upper  
 96 100  
 61 1556.6 126.1 234.1#  
 63 11029.1 90.0 167.2#



#13  
 Acetone  
 Concen: 0.908 ug/L  
 RT: 4.11 min Scan# 362  
 Delta R.T. -0.01 min  
 Lab File: VW017837.D  
 Acq: 12 Jan 2021 15:52

Tgt Ion: 43 Resp: 635  
 Ion Ratio Lower Upper  
 43 100  
 58 27.1 0.0 60.8

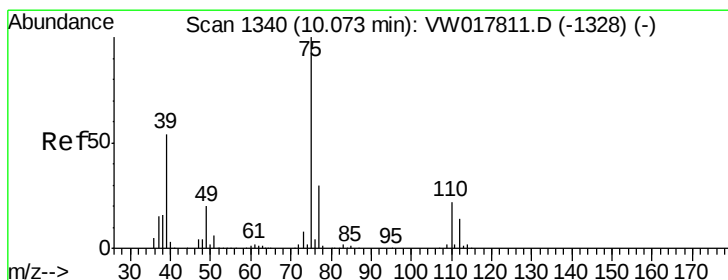
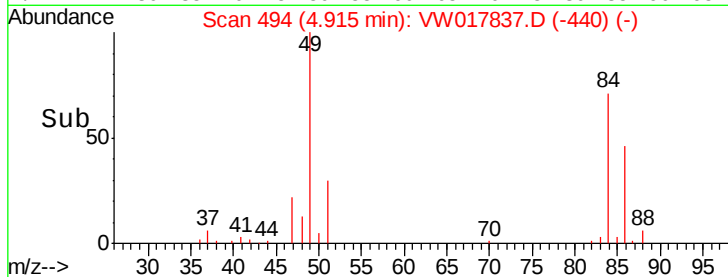
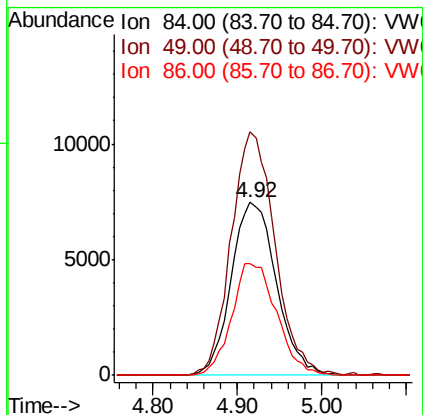
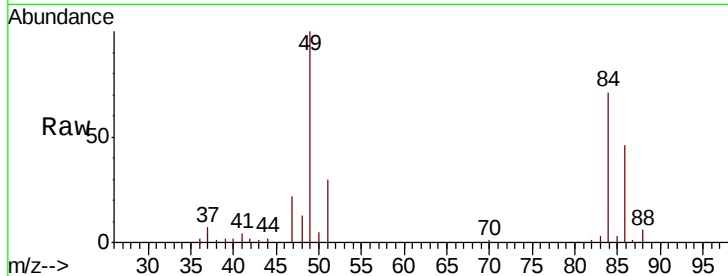




#16  
Methvlene chloride  
Concen: 5.909 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW017837.D  
Acq: 12 Jan 2021 15:52

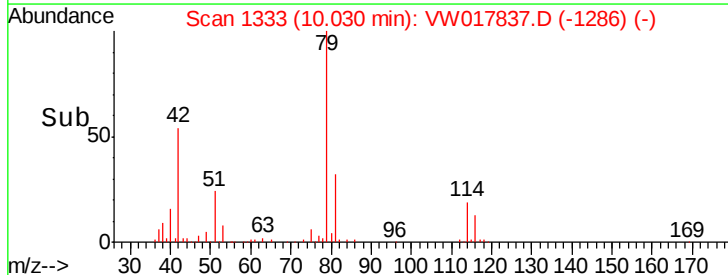
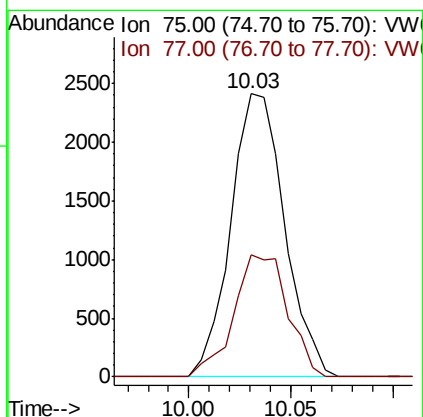
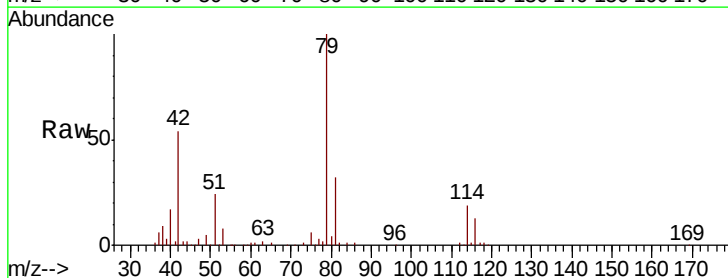
Instrument :  
MSVOA\_W  
ClientSampled :

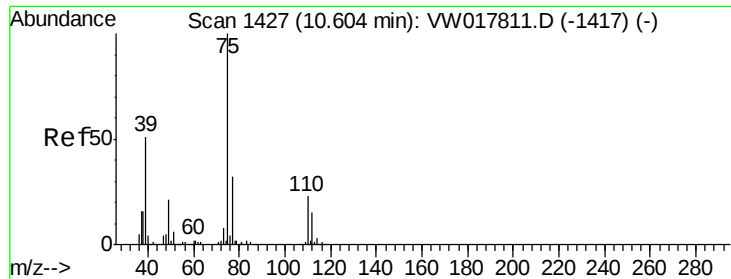
Tot Ion: 84 Resp: 27274  
Ion Ratio Lower Upper  
84 100  
49 140.7 90.5 168.1  
86 64.9 44.8 83.2



#42  
cis-1,3-Dichloropropene  
Concen: 0.667 ug/L  
RT: 10.03 min Scan# 1333  
Delta R.T. -0.04 min  
Lab File: VW017837.D  
Acq: 12 Jan 2021 15:52

Tgt Ion: 75 Resp: 4427  
Ion Ratio Lower Upper  
75 100  
77 43.3 21.6 40.2#





#45

trans-1,3-Dichloropropene

Concen: 0.511 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW017837.D

Acq: 12 Jan 2021 15:52

Instrument :

MSVOA\_W

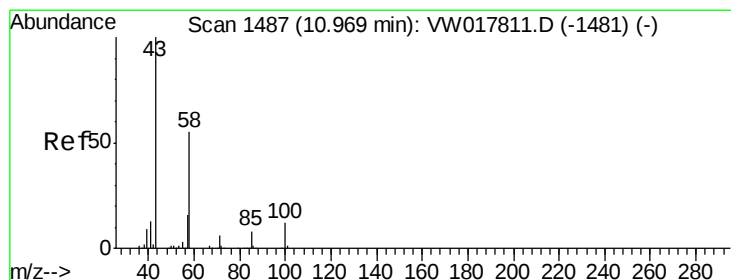
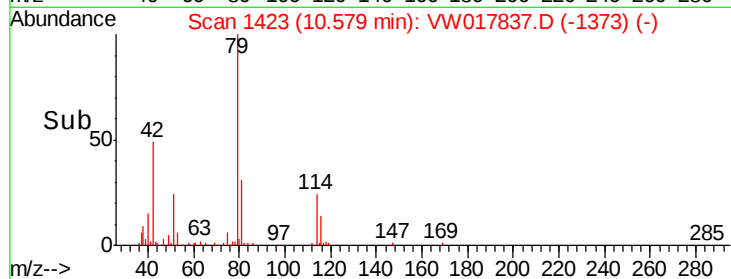
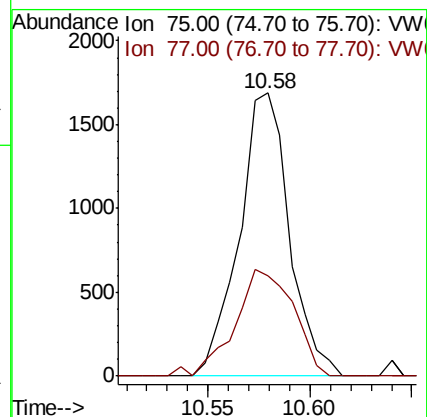
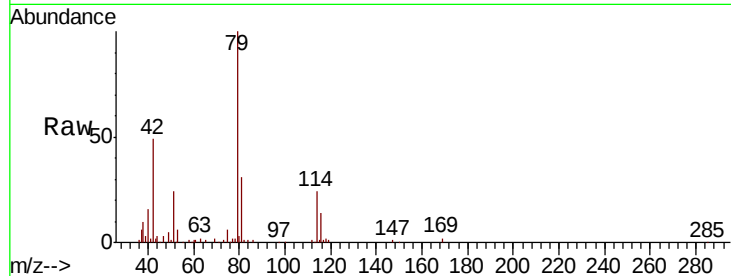
ClientSampleId :

Tot Ion: 75 Resp: 2888

Ion Ratio Lower Upper

75 100

77 35.3 21.6 40.0



#49

2-Hexanone

Concen: 0.894 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017837.D

Acq: 12 Jan 2021 15:52

Tgt Ion: 43 Resp: 1282

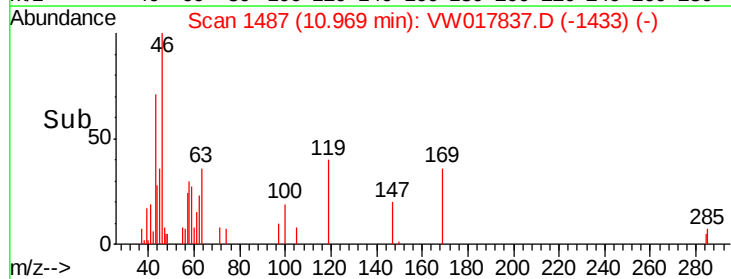
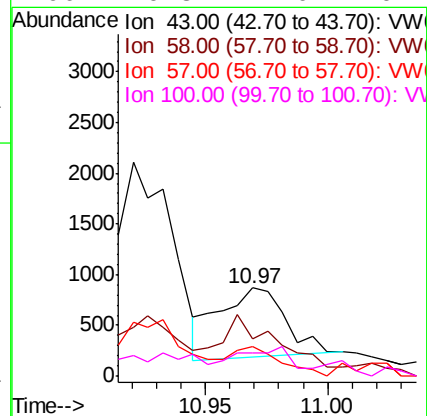
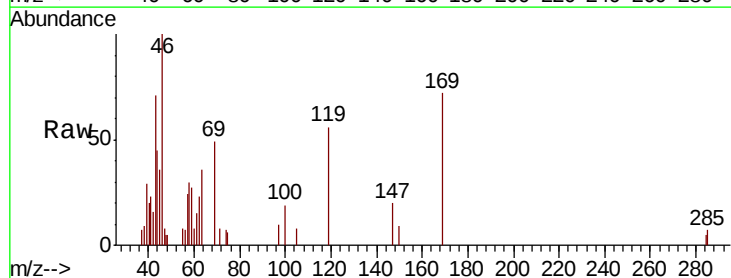
Ion Ratio Lower Upper

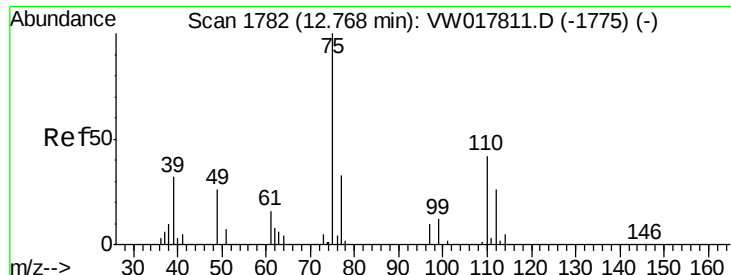
43 100

58 81.5 44.2 66.4#

57 34.3 16.1 24.1#

100 6.3 11.0 16.4#





#59

1,2,3-Trichloropropane

Concen: 8.435 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017837.D

Acq: 12 Jan 2021 15:52

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 21398

Ion Ratio Lower Upper

75 100

77 34.5 25.4 38.0

