

Data File : VR026359.D  
Acq On : 21 Feb 2019 13:51  
Operator : SY/MD  
Sample : K1531-04  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
C0TR9

Quant Time: Feb 22 06:21:13 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR021919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Feb 22 06:18:00 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 510032   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 435190   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 109488   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 168758   | 4.18     | ug/L | -0.01    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 83.60%   |
| 7) Chloroethane-d5             | 2.62   | 69    | 169001   | 4.80     | ug/L | 0.00     |
| Spiked Amount                  | 7.000  | Range | 65 - 130 | Recovery | =    | 68.57%   |
| 11) 1,1-Dichloroethene-d2      | 3.60   | 63    | 339437   | 3.34     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.80%   |
| 20) 2-Butanone-d5              | 6.59   | 46    | 157290   | 51.31    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.62%  |
| 24) Chloroform-d               | 7.20   | 84    | 340812   | 4.64     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80%   |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 133351   | 4.88     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.60%   |
| 32) Benzene-d6                 | 7.85   | 84    | 620556   | 4.52     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%   |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 167311   | 4.77     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.40%   |
| 41) Toluene-d8                 | 9.97   | 98    | 544381   | 4.30     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.00%   |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 38727    | 4.07     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.40%   |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 121753   | 51.15    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 64792    | 4.62     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.40%   |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 108097   | 6.34     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 126.80%# |

#### Target Compounds

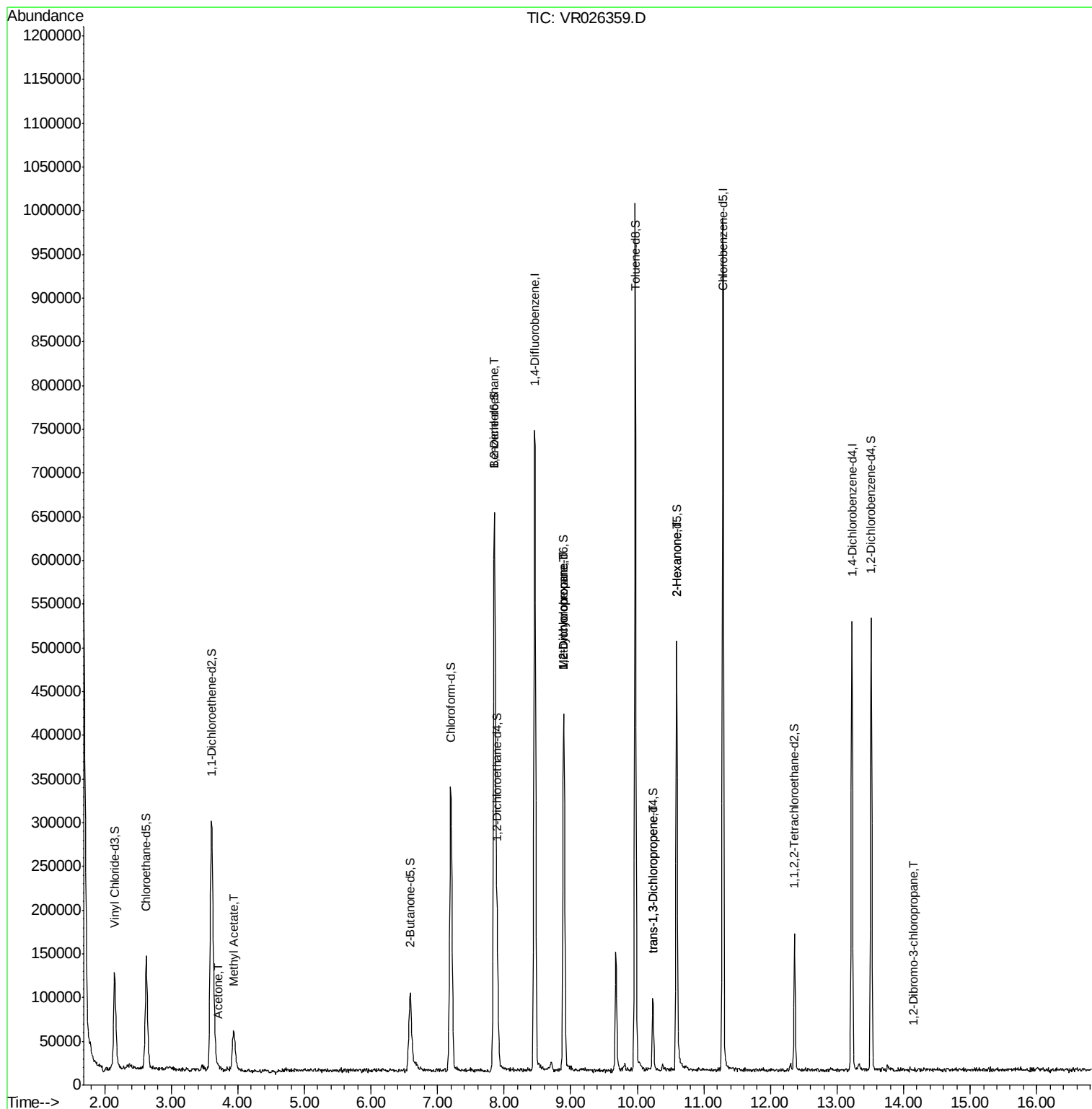
|                                |       |    |       |              | Qvalue |
|--------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                    | 3.70  | 43 | 4232  | 1.312 ug/L   | 93     |
| 15) Methyl Acetate             | 3.94  | 43 | 22239 | 2.493 ug/L # | 54     |
| 27) 1,2-Dichloroethane         | 7.85  | 62 | 4187  | 0.133 ug/L   | 100    |
| 35) Methylcyclohexane          | 8.89  | 83 | 42161 | 0.799 ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 8.89  | 63 | 20406 | 0.597 ug/L # | 90     |
| 44) trans-1,3-Dichloropropene  | 10.23 | 75 | 2629  | 0.098 ug/L   | 95     |
| 48) 2-Hexanone                 | 10.59 | 43 | 20528 | 3.346 ug/L # | 71     |
| 66) 1,2-Dibromo-3-chloropropan | 14.14 | 75 | 166   | 0.153 ug/L   | 91     |

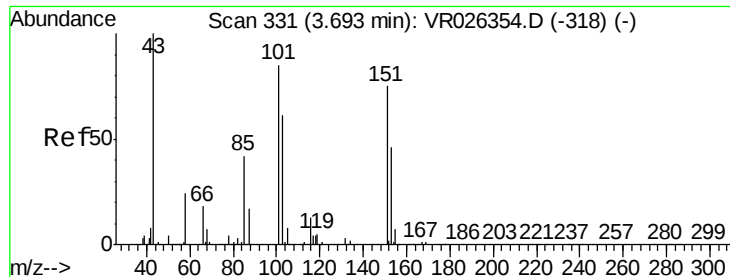
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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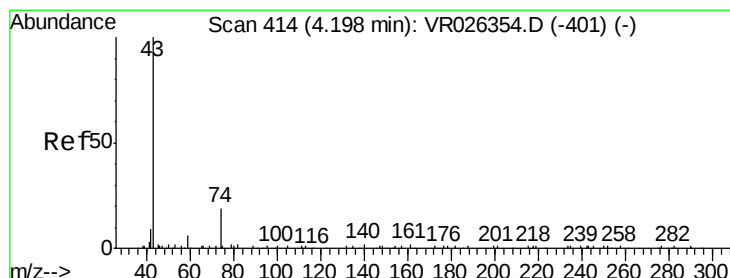
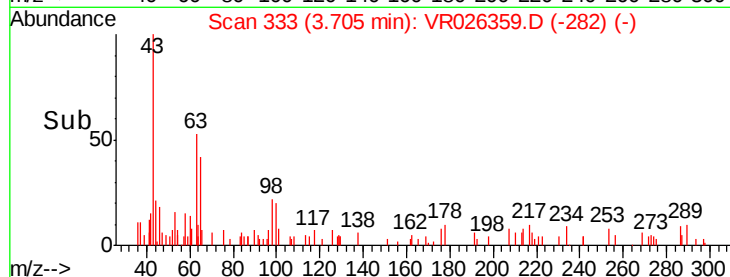
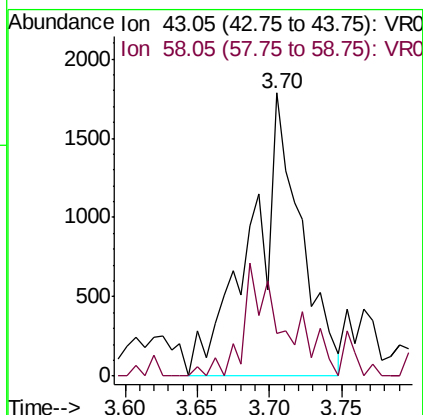
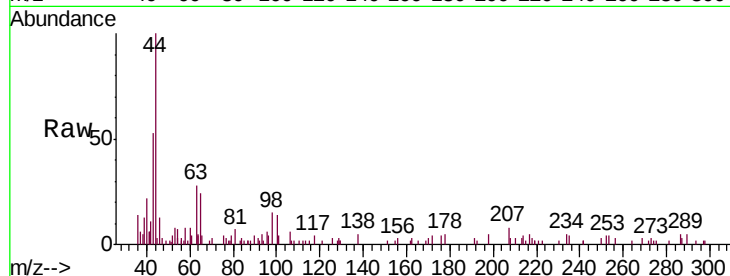




#13  
Acetone  
Concen: 1.312 ug/L  
RT: 3.70 min Scan# 333  
Delta R.T. 0.01 min  
Lab File: VR026359.D  
Acq: 21 Feb 2019 13:51

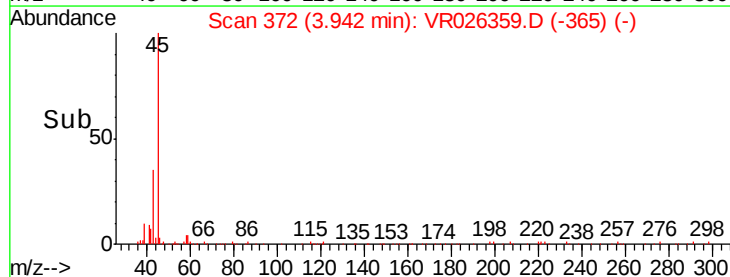
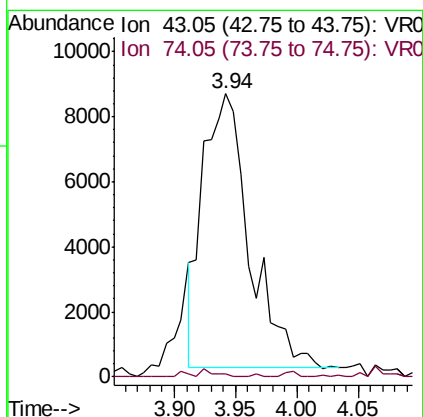
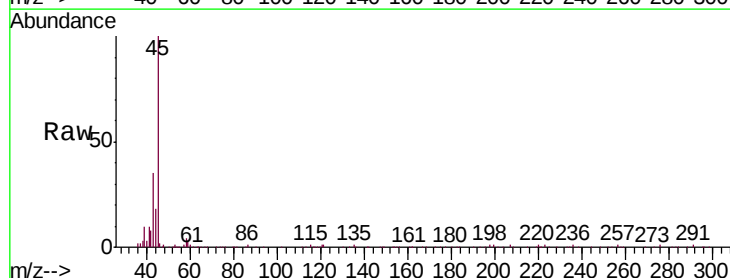
Instrument :  
MSVOA\_R  
ClientSampleId :  
C0TR9

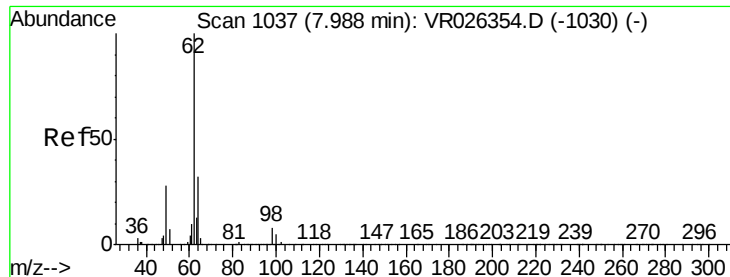
Tgt Ion: 43 Resp: 4232  
Ion Ratio Lower Upper  
43 100  
58 25.0 0.0 58.0



#15  
Methyl Acetate  
Concen: 2.493 ug/L  
RT: 3.94 min Scan# 372  
Delta R.T. -0.26 min  
Lab File: VR026359.D  
Acq: 21 Feb 2019 13:51

Tgt Ion: 43 Resp: 22239  
Ion Ratio Lower Upper  
43 100  
74 0.9 18.6 28.0#

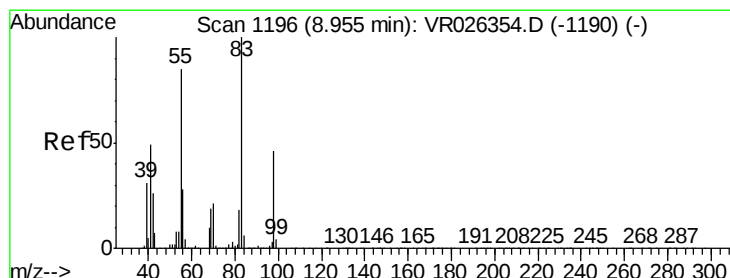
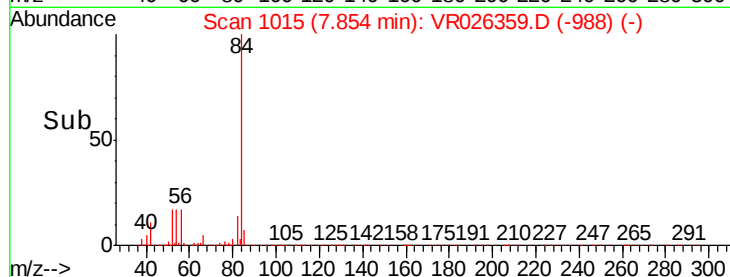
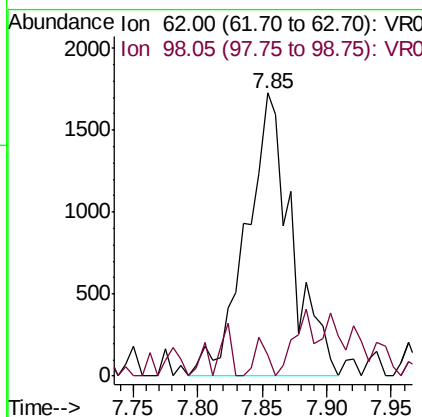
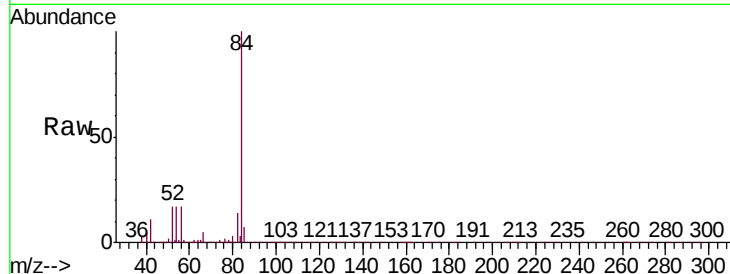




#27  
 1,2-Dichloroethane  
 Concen: 0.133 ug/L  
 RT: 7.85 min Scan# 1015  
 Delta R.T. -0.13 min  
 Lab File: VR026359.D  
 Acq: 21 Feb 2019 13:51

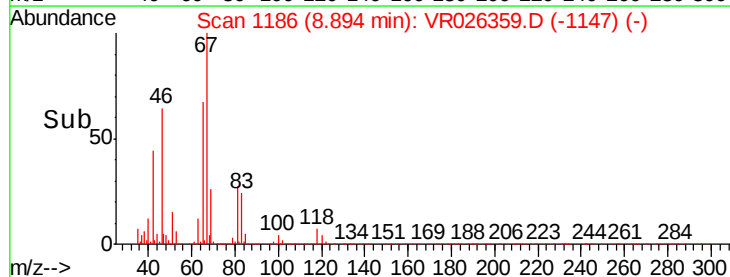
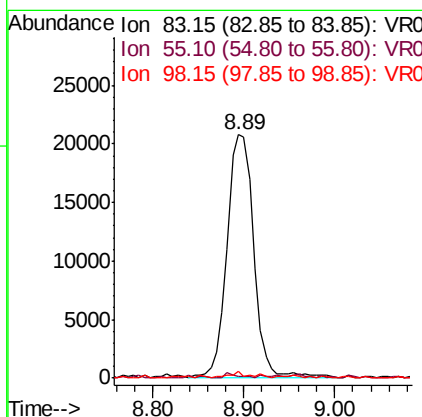
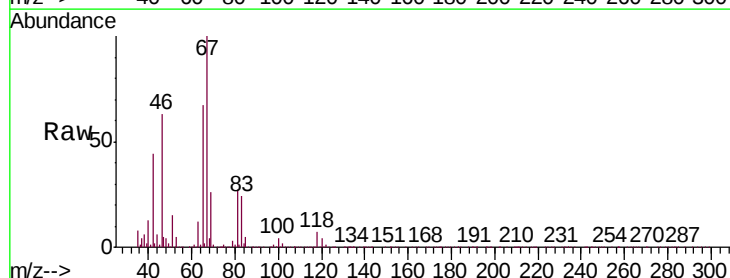
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0TR9

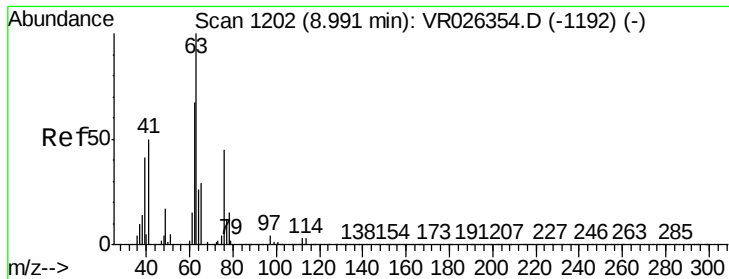
Tgt Ion: 62 Resp: 4187  
 Ion Ratio Lower Upper  
 62 100  
 98 6.6 5.1 7.7



#35  
 Methylcyclohexane  
 Concen: 0.799 ug/L  
 RT: 8.89 min Scan# 1186  
 Delta R.T. -0.06 min  
 Lab File: VR026359.D  
 Acq: 21 Feb 2019 13:51

Tgt Ion: 83 Resp: 42161  
 Ion Ratio Lower Upper  
 83 100  
 55 1.2 67.3 100.9#  
 98 1.6 37.0 55.4#

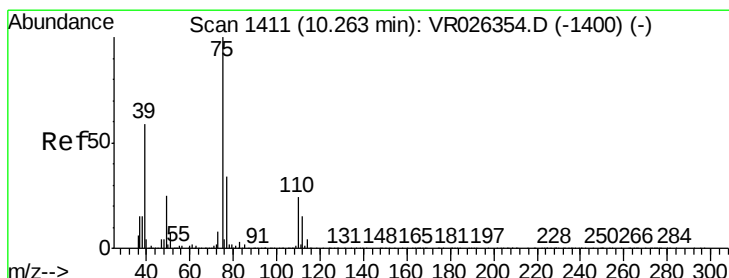
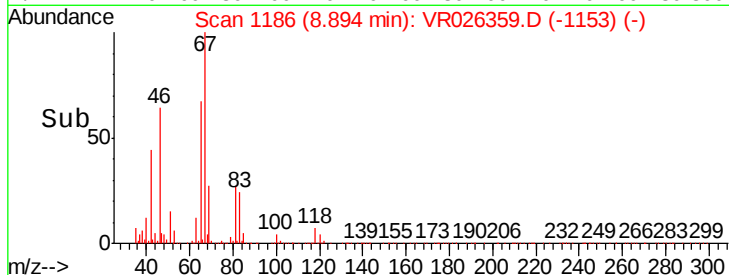
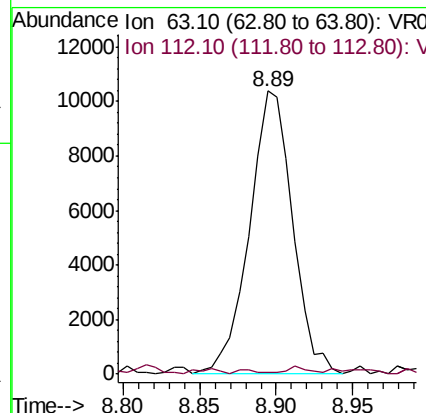
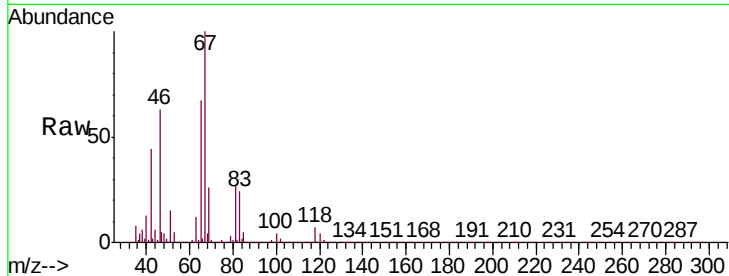




#37  
 1,2-Dichloropropane  
 Concen: 0.597 ug/L  
 RT: 8.89 min Scan# 1186  
 Delta R.T. -0.10 min  
 Lab File: VR026359.D  
 Acq: 21 Feb 2019 13:51

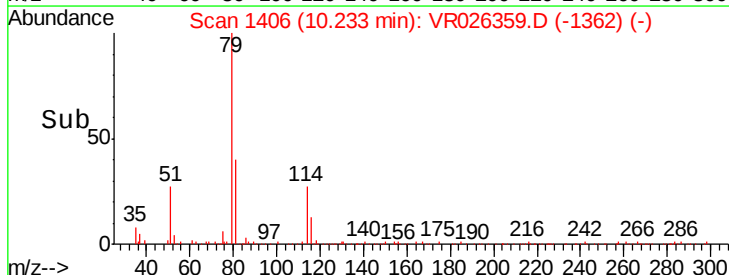
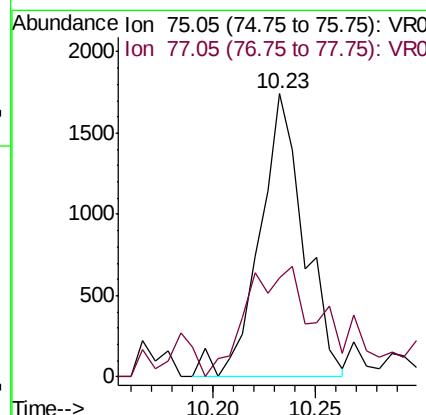
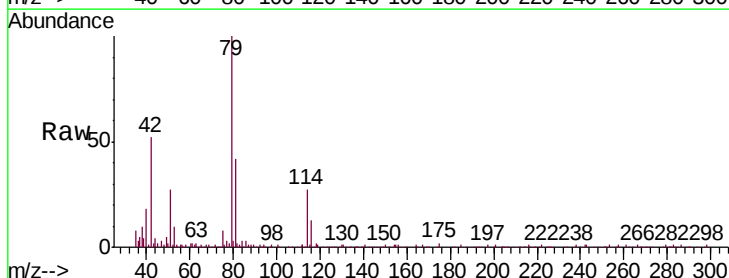
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0TR9

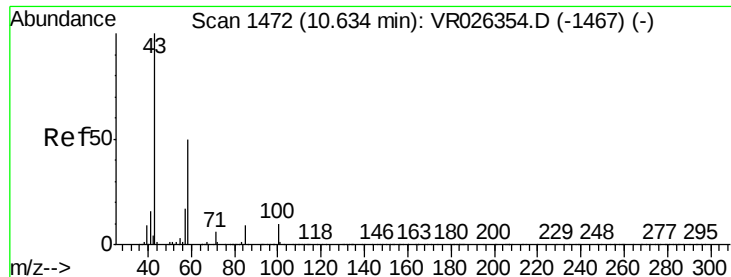
Tgt Ion: 63 Resp: 20406  
 Ion Ratio Lower Upper  
 63 100  
 112 0.8 3.4 5.0#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.098 ug/L  
 RT: 10.23 min Scan# 1406  
 Delta R.T. -0.03 min  
 Lab File: VR026359.D  
 Acq: 21 Feb 2019 13:51

Tgt Ion: 75 Resp: 2629  
 Ion Ratio Lower Upper  
 75 100  
 77 35.1 22.5 41.7

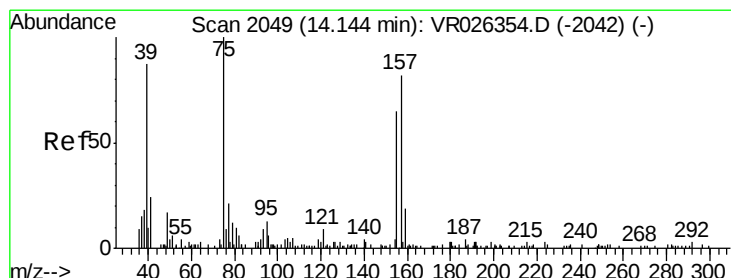
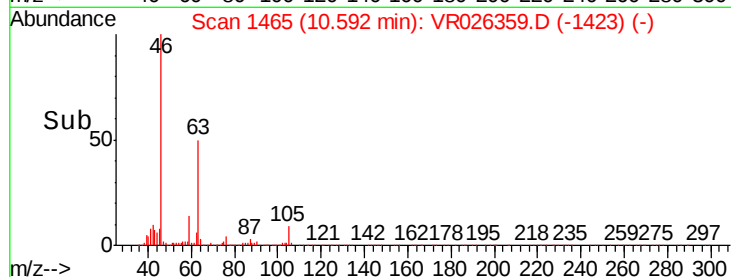
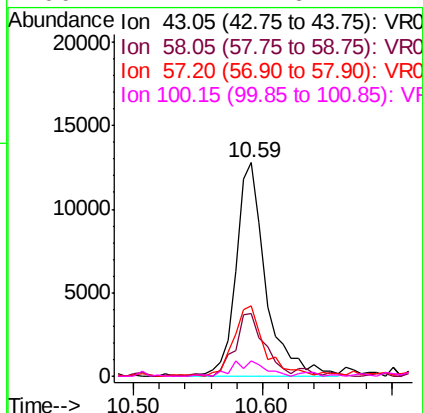
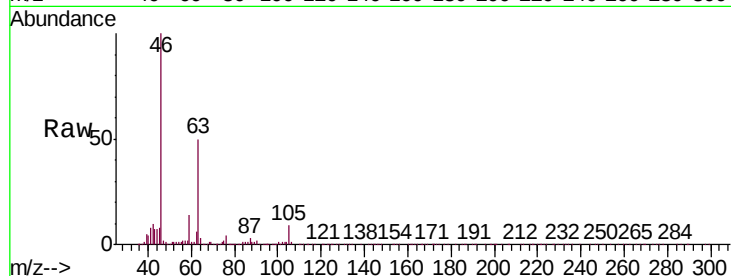




#48  
2-Hexanone  
Concen: 3.346 ug/L  
RT: 10.59 min Scan# 1465  
Delta R.T. -0.04 min  
Lab File: VR026359.D  
Acq: 21 Feb 2019 13:51

Instrument :  
MSVOA\_R  
ClientSampleId :  
C0TR9

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20528 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.7  | 39.1  | 58.7# |
| 57       | 34.6  | 14.2  | 21.2# |
| 100      | 7.7   | 7.6   | 11.4  |



#66  
1,2-Dibromo-3-chloropropane  
Concen: 0.153 ug/L  
RT: 14.14 min Scan# 2049  
Delta R.T. 0.00 min  
Lab File: VR026359.D  
Acq: 21 Feb 2019 13:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 166   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 51.1  | 45.8  | 68.8  |
| 157      | 67.6  | 60.9  | 91.3  |

