

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101118\  
 Data File : VR026041.D  
 Acq On : 11 Oct 2018 13:04  
 Operator : SY/MD  
 Sample : J5315-03  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Quant Time: Oct 12 08:09:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 12 08:06:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 525317   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 450686   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 157781   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 120034   | 2.90     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 58.00%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 119204   | 3.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 70.40%  |
| 11) 1,1-Dichloroethene-d2      | 3.62   | 63    | 218886   | 2.25     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 45.00%# |
| 20) 2-Butanone-d5              | 6.59   | 46    | 209633   | 45.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 90.78%  |
| 24) Chloroform-d               | 7.20   | 84    | 247092   | 3.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 68.60%# |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 116996   | 3.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 75.40%  |
| 32) Benzene-d6                 | 7.85   | 84    | 446382   | 2.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 59.60%# |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 133744   | 3.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 66.20%  |
| 41) Toluene-d8                 | 9.97   | 98    | 381077   | 2.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 54.00%# |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 29515    | 3.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 64.40%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 165179   | 47.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.42%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 66278    | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 80.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 86589    | 3.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 68.60%# |

## Target Compounds

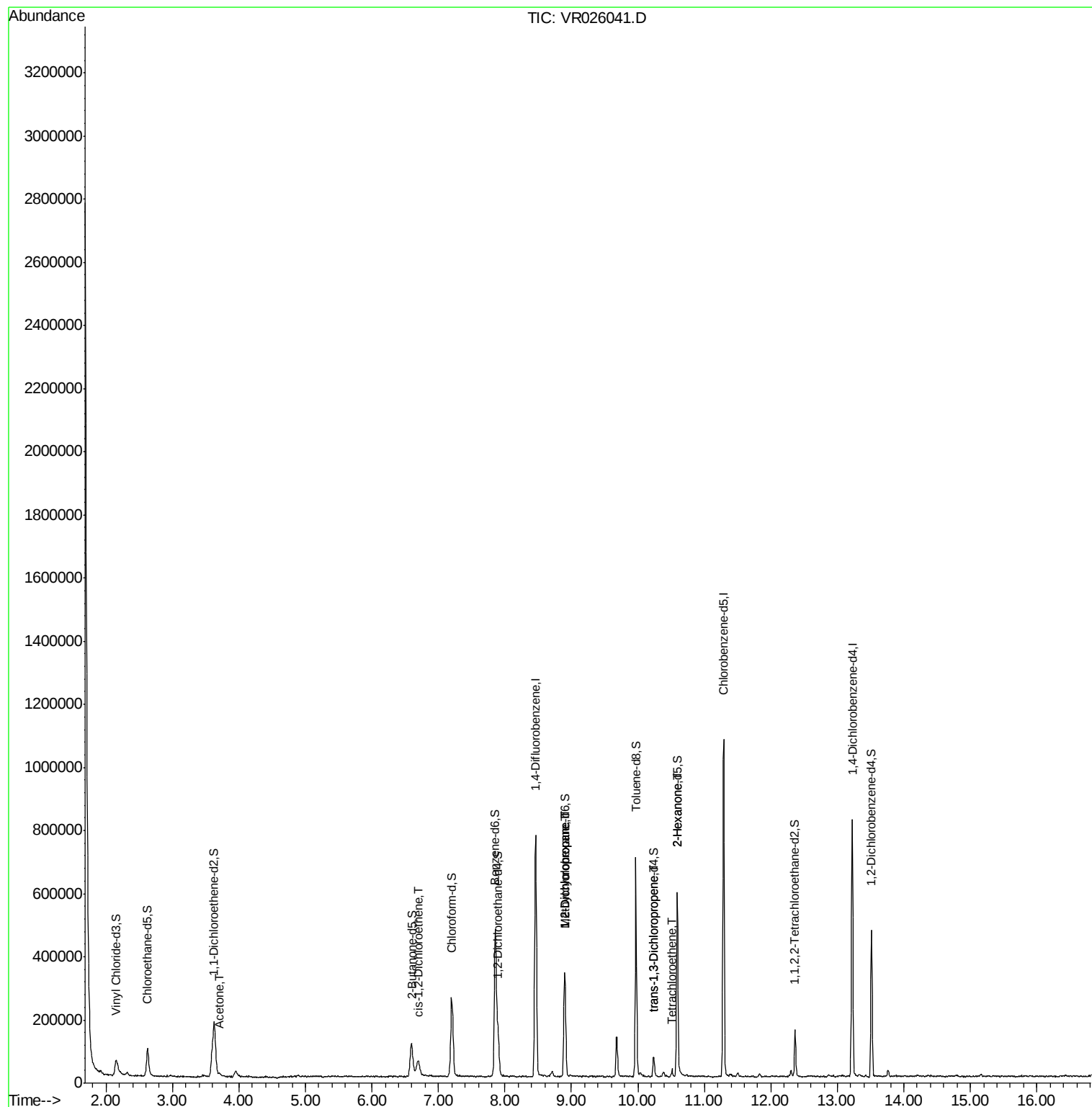
|                               |       |     |       |       | Ovalue    |
|-------------------------------|-------|-----|-------|-------|-----------|
| 13) Acetone                   | 3.70  | 43  | 8461  | 2.528 | ug/L 81   |
| 22) cis-1,2-Dichloroethene    | 6.69  | 96  | 8507  | 0.258 | ug/L # 57 |
| 35) Methylcyclohexane         | 8.90  | 83  | 32315 | 0.540 | ug/L # 16 |
| 37) 1,2-Dichloropropane       | 8.90  | 63  | 17285 | 0.533 | ug/L # 97 |
| 44) trans-1,3-Dichloropropene | 10.24 | 75  | 2179  | 0.092 | ug/L # 77 |
| 47) Tetrachloroethene         | 10.51 | 164 | 4001  | 0.163 | ug/L 91   |
| 48) 2-Hexanone                | 10.59 | 43  | 24812 | 3.323 | ug/L # 67 |

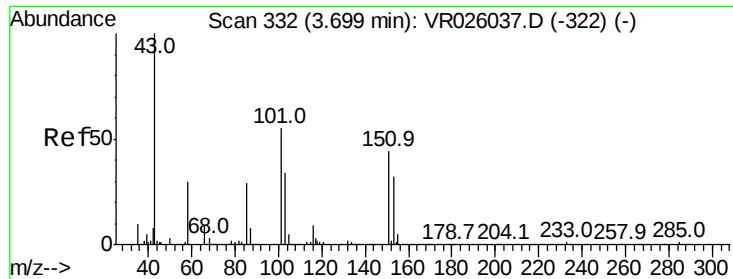
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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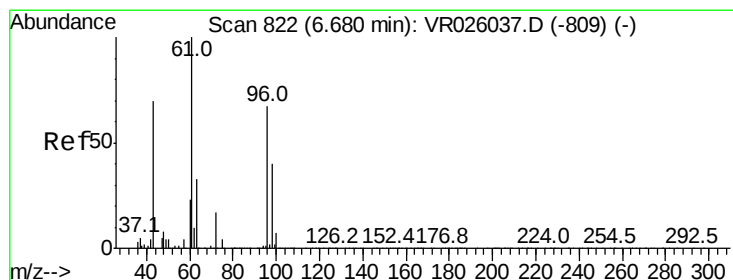
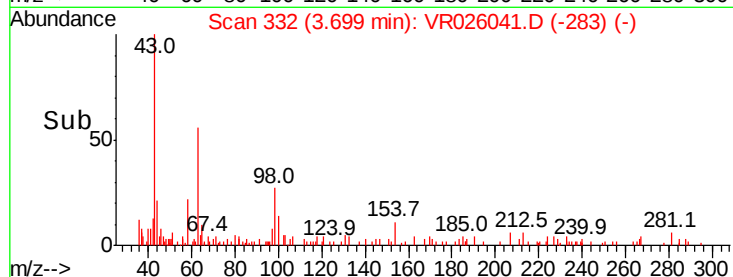
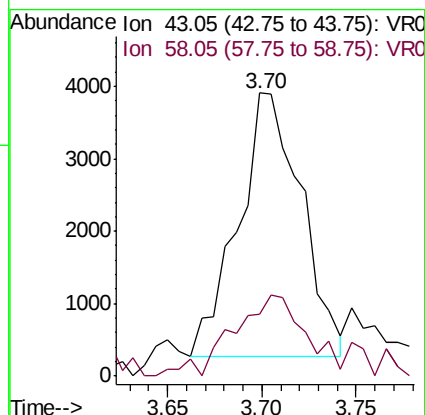
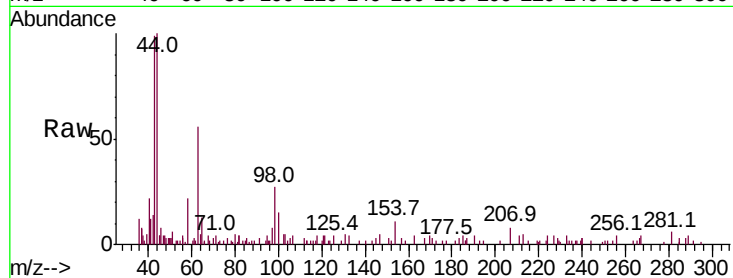




#13  
Acetone  
Concen: 2.528 ug/L  
RT: 3.70 min Scan# 332  
Delta R.T. 0.00 min  
Lab File: VR026041.D  
Acq: 11 Oct 2018 13:04

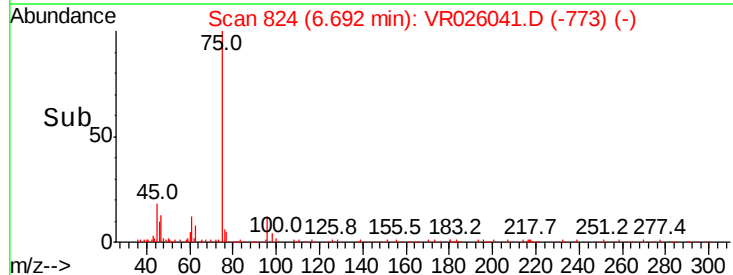
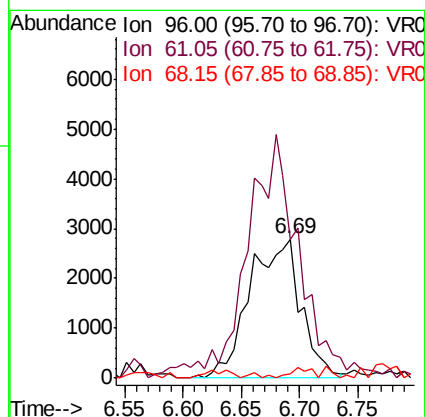
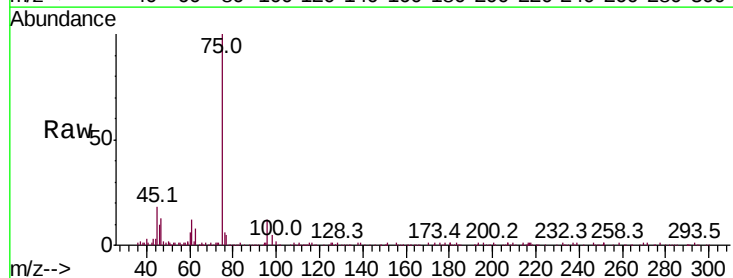
Instrument :  
MSVOA\_R  
ClientSampleId :

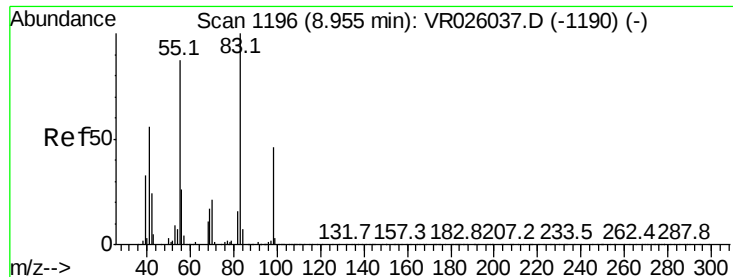
Tot Ion: 43 Resp: 8461  
Ion Ratio Lower Upper  
43 100  
58 35.4 0.0 51.4



#22  
cis-1,2-Dichloroethene  
Concen: 0.258 ug/L  
RT: 6.69 min Scan# 824  
Delta R.T. 0.01 min  
Lab File: VR026041.D  
Acq: 11 Oct 2018 13:04

Tgt Ion: 96 Resp: 8507  
Ion Ratio Lower Upper  
96 100  
61 100.1 108.7 201.9#  
68 3.4 0.1 0.1#

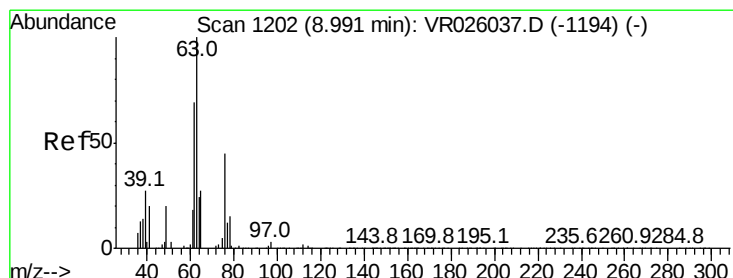
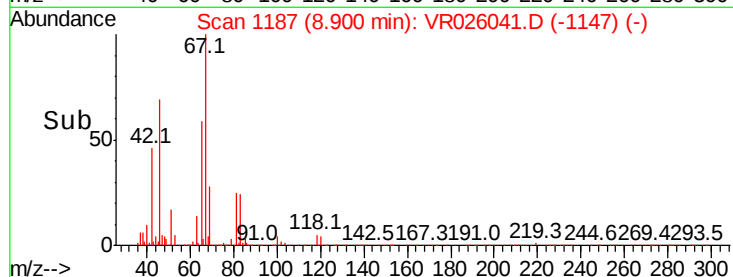
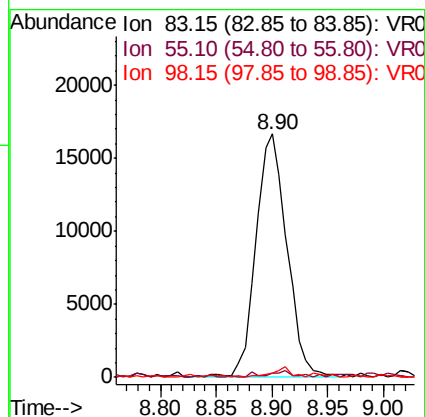
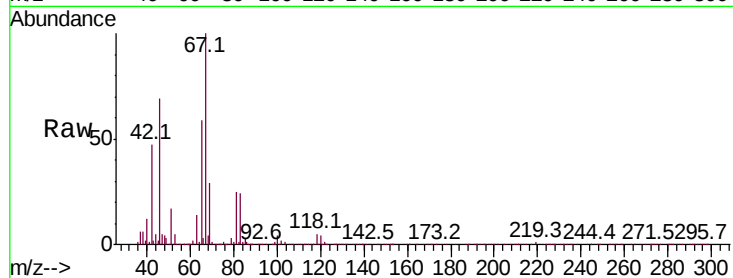




#35  
Methvlcvclohexane  
Concen: 0.540 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.05 min  
Lab File: VR026041.D  
Acq: 11 Oct 2018 13:04

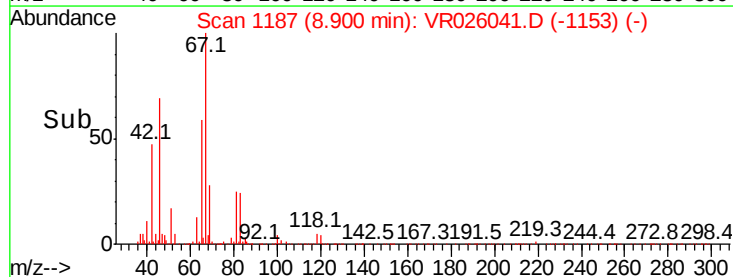
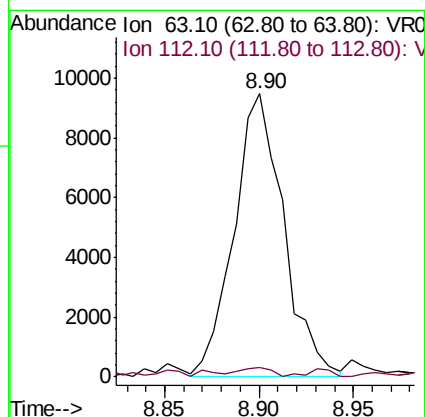
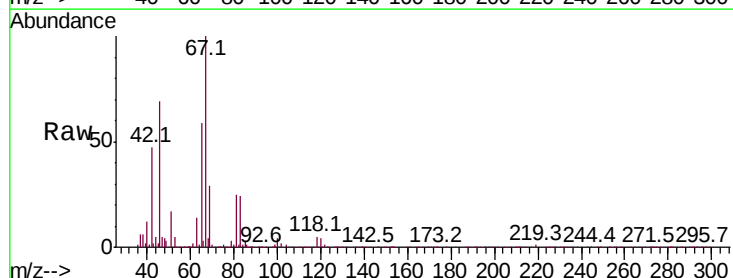
Instrument :  
MSVOA\_R  
ClientSampleId :

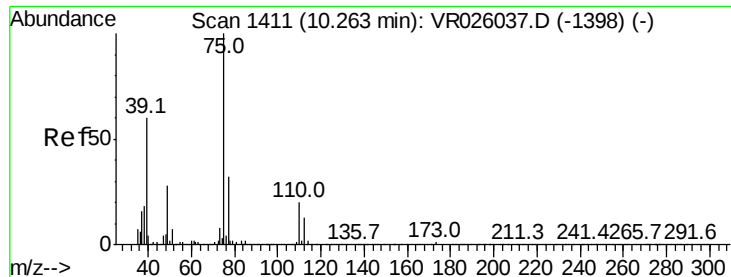
Tot Ion: 83 Resp: 32315  
Ion Ratio Lower Upper  
83 100  
55 1.0 71.8 107.6#  
98 2.6 34.2 51.4#



#37  
1,2-Dichloropropane  
Concen: 0.533 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.09 min  
Lab File: VR026041.D  
Acq: 11 Oct 2018 13:04

Tgt Ion: 63 Resp: 17285  
Ion Ratio Lower Upper  
63 100  
112 2.1 2.5 3.7#





#44

trans-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 10.24 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VR026041.D

Acq: 11 Oct 2018 13:04

Instrument :

MSVOA\_R

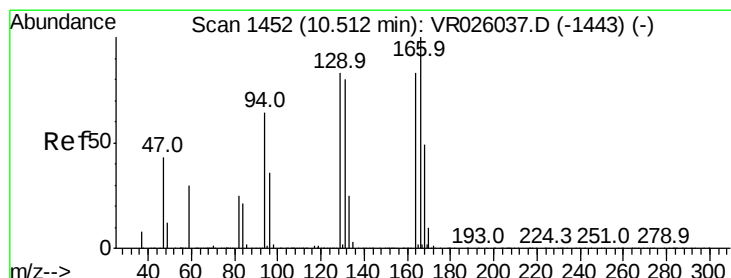
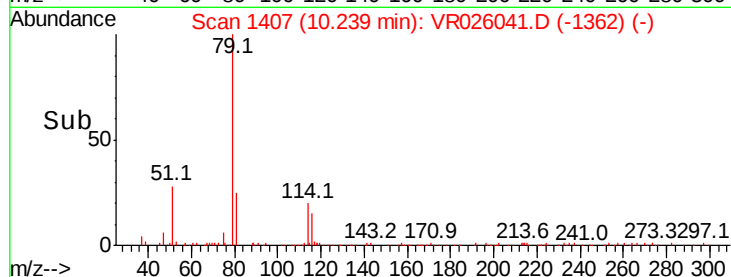
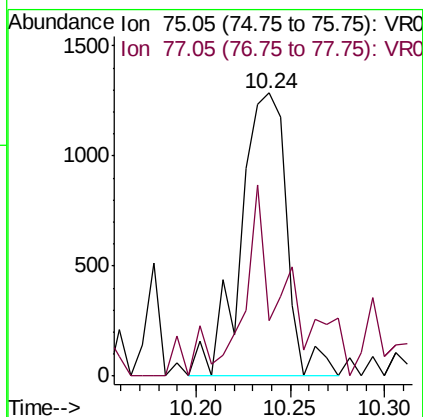
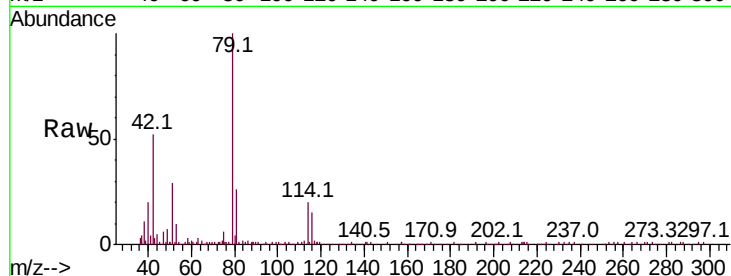
ClientSampled :

Tot Ion: 75 Resp: 2179

Ion Ratio Lower Upper

75 100

77 19.8 23.0 42.8#



#47

Tetrachloroethene

Concen: 0.163 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026041.D

Acq: 11 Oct 2018 13:04

Tgt Ion: 164 Resp: 4001

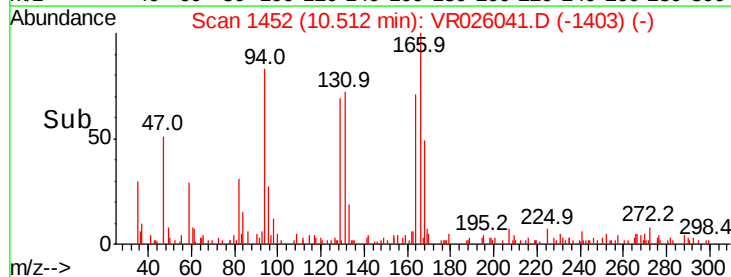
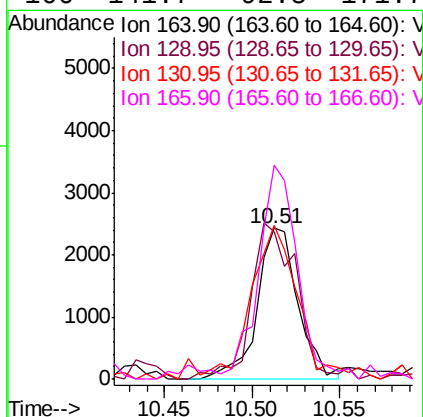
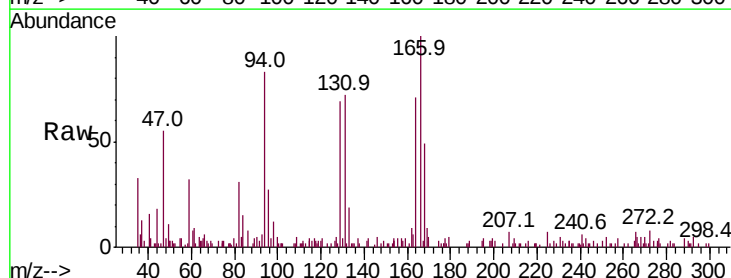
Ion Ratio Lower Upper

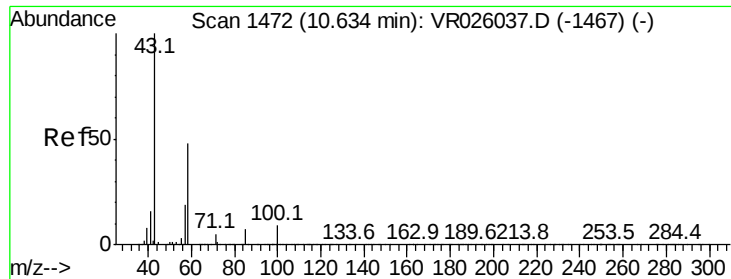
164 100

129 98.0 80.8 150.2

131 102.3 74.5 138.3

166 141.7 92.5 171.7





#48  
 2-Hexanone  
 Concen: 3.323 ug/L  
 RT: 10.59 min Scan# 1465  
 Delta R.T. -0.04 min  
 Lab File: VR026041.D  
 Acq: 11 Oct 2018 13:04

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Tot Ion: 43 Resp: 24812  
 Ion Ratio Lower Upper  
 43 100  
 58 21.6 39.5 59.3#  
 57 25.6 14.6 21.8#  
 100 0.8 6.7 10.1#

