

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101218\  
 Data File : VR026064.D  
 Acq On : 12 Oct 2018 16:39  
 Operator : SY/MD  
 Sample : J5315-07DL 5X  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Quant Time: Oct 13 00:56:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Oct 13 00:51:09 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 440927   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 385667   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 127764   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 169255   | 4.87     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 97.40%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 159556   | 5.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 112.20% |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 286360   | 3.51     | ug/L | 0.02    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.20%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 217346   | 56.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.14% |
| 24) Chloroform-d               | 7.20   | 84    | 293206   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.80%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 132463   | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.80% |
| 32) Benzene-d6                 | 7.85   | 84    | 520494   | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.20%  |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 157936   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.40%  |
| 41) Toluene-d8                 | 9.97   | 98    | 456746   | 3.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 75.80%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 34846    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.80%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 169798   | 56.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 113.42% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 67526    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 97978    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.80%  |

## Target Compounds

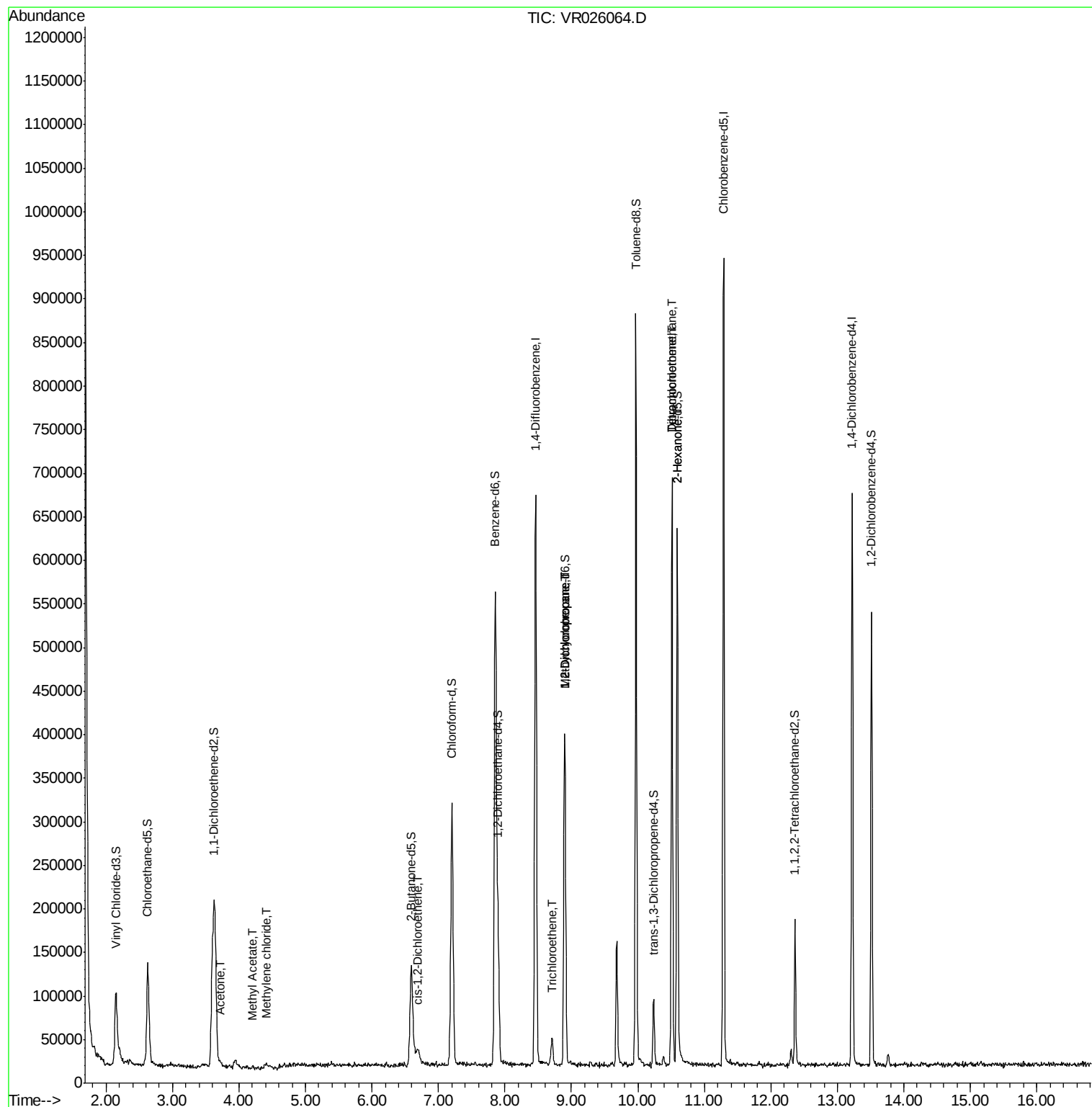
|                            |       |     |        |       | Ovalue    |
|----------------------------|-------|-----|--------|-------|-----------|
| 13) Acetone                | 3.70  | 43  | 3553   | 1.265 | ug/L 100  |
| 15) Methyl Acetate         | 4.20  | 43  | 758    | 0.097 | ug/L # 84 |
| 16) Methylene chloride     | 4.41  | 84  | 5171   | 0.169 | ug/L 86   |
| 22) cis-1,2-Dichloroethene | 6.67  | 96  | 2908   | 0.105 | ug/L # 82 |
| 34) Trichloroethene        | 8.71  | 95  | 9363   | 0.275 | ug/L # 86 |
| 35) Methylcyclohexane      | 8.90  | 83  | 38060  | 0.743 | ug/L # 15 |
| 37) 1,2-Dichloropropane    | 8.89  | 63  | 21181  | 0.763 | ug/L # 96 |
| 47) Tetrachloroethene      | 10.51 | 164 | 113168 | 5.388 | ug/L 90   |
| 48) 2-Hexanone             | 10.59 | 43  | 26914  | 4.213 | ug/L # 74 |
| 49) Dibromochloromethane   | 10.51 | 129 | 95820  | 7.522 | ug/L # 11 |

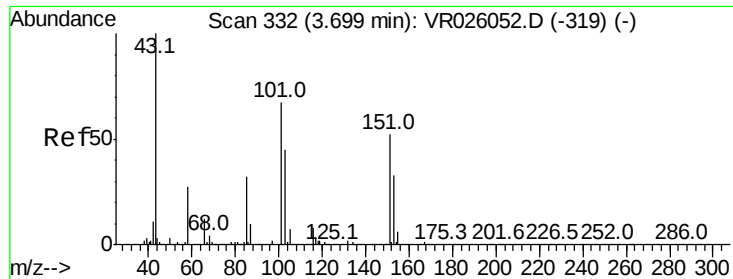
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 13 00:51:09 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 1.265 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026064.D

Acq: 12 Oct 2018 16:39

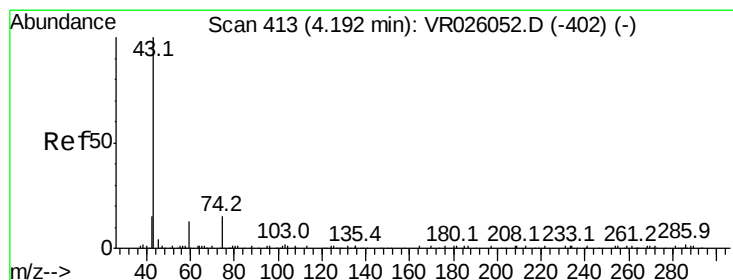
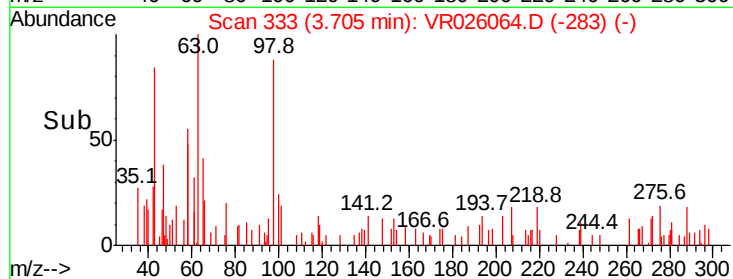
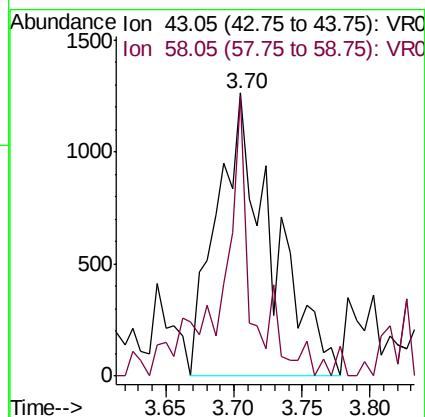
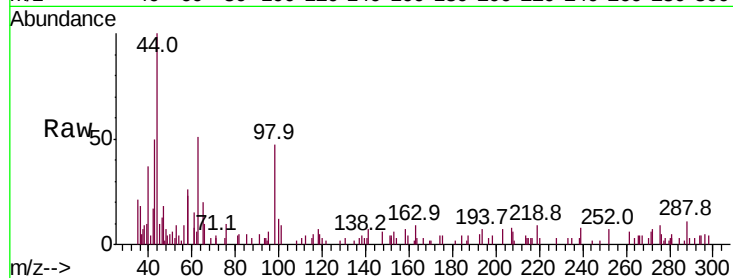
Instrument :  
MSVOA\_R  
ClientSampled :

Tot Ion: 43 Resp: 3553

Ion Ratio Lower Upper

43 100

58 25.5 0.0 51.4



#15

Methyl Acetate

Concen: 0.097 ug/L

RT: 4.20 min Scan# 414

Delta R.T. 0.01 min

Lab File: VR026064.D

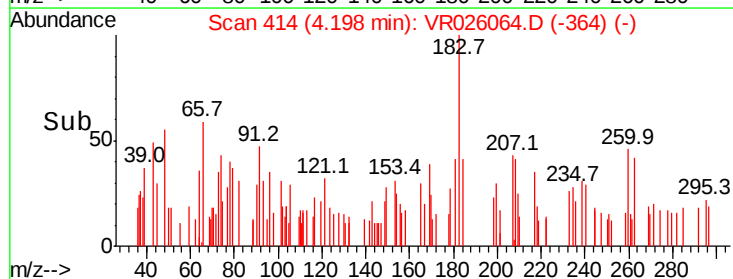
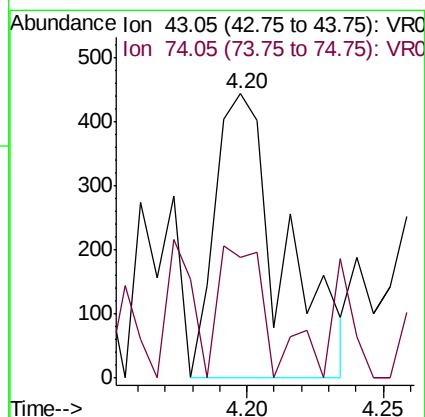
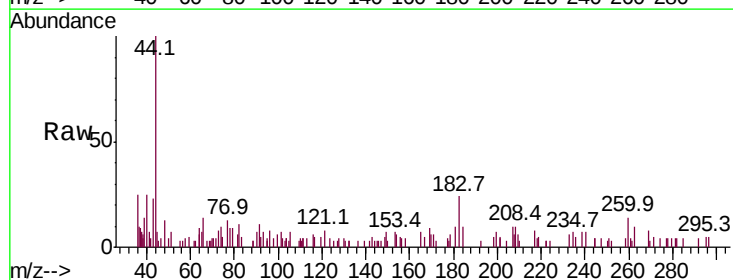
Acq: 12 Oct 2018 16:39

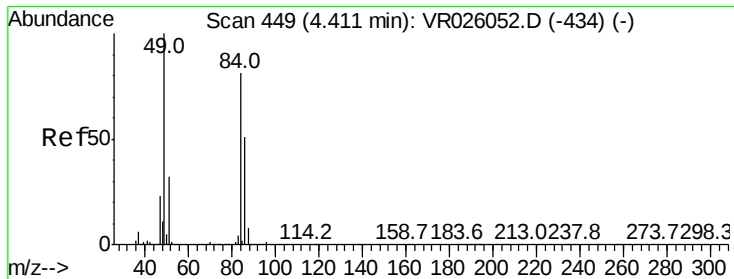
Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

74 31.4 19.0 28.4#

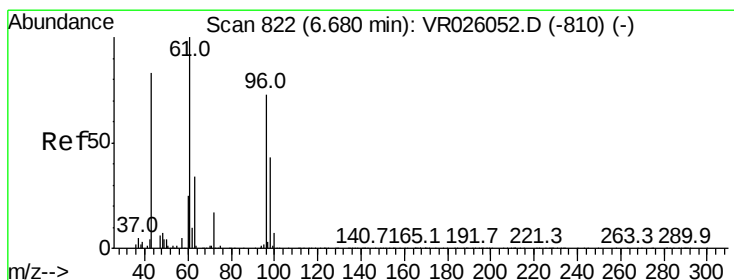
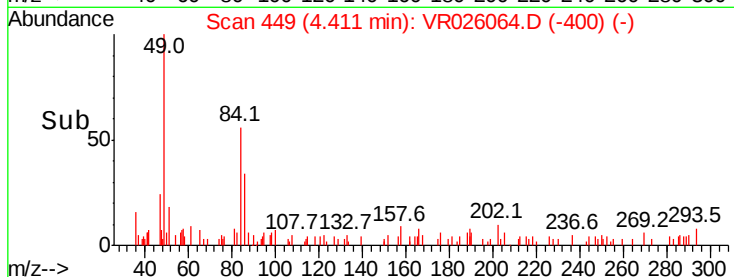
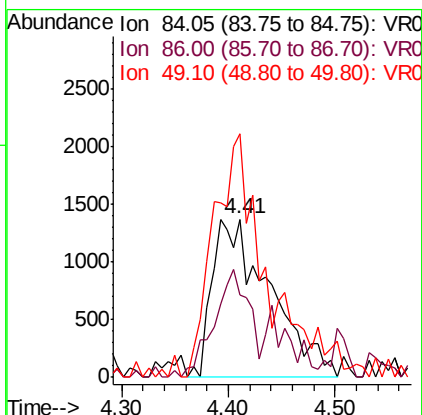
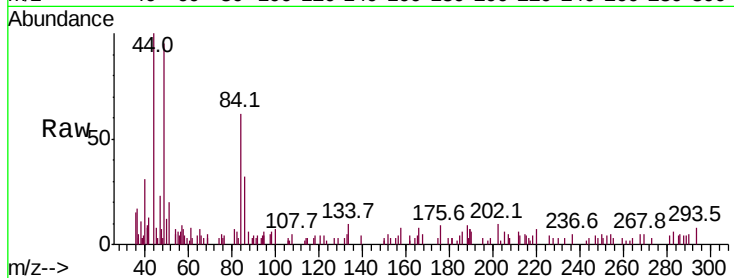




#16  
Methvlene chloride  
Concen: 0.169 ug/L  
RT: 4.41 min Scan# 449  
Delta R.T. -0.00 min  
Lab File: VR026064.D  
Acq: 12 Oct 2018 16:39

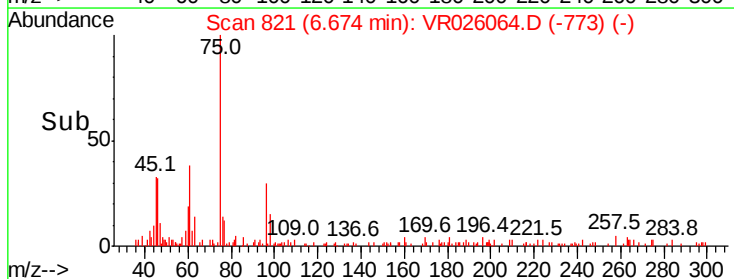
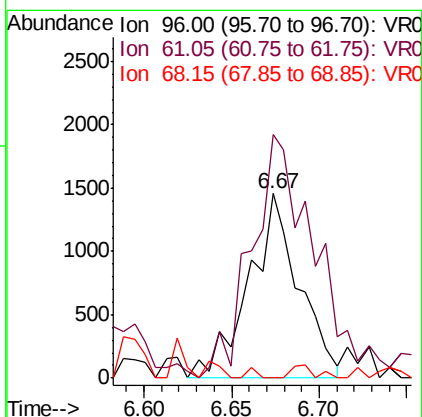
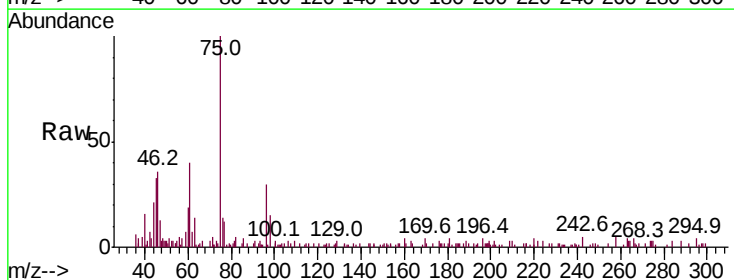
Instrument :  
MSVOA\_R  
ClientSampleId :

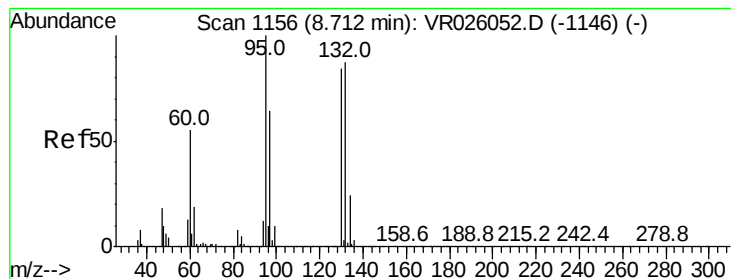
Tot Ion: 84 Resp: 5171  
Ion Ratio Lower Upper  
84 100  
86 52.3 43.1 80.1  
49 153.6 95.5 177.3



#22  
cis-1,2-Dichloroethene  
Concen: 0.105 ug/L  
RT: 6.67 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: VR026064.D  
Acq: 12 Oct 2018 16:39

Tgt Ion: 96 Resp: 2908  
Ion Ratio Lower Upper  
96 100  
61 131.9 108.7 201.9  
68 0.0 0.1 0.1#





#34

Trichloroethene

Concen: 0.275 ug/L

RT: 8.71 min Scan# 1156

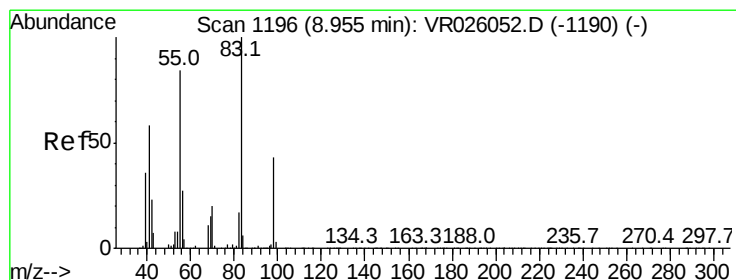
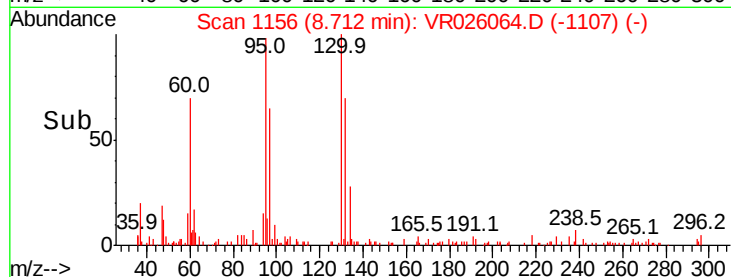
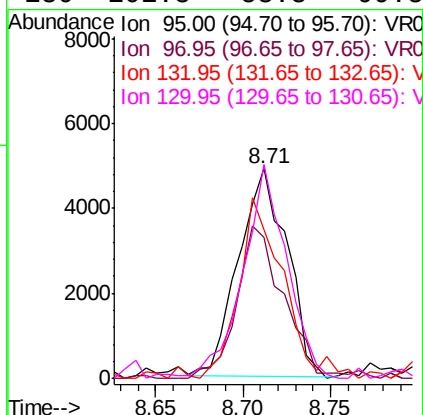
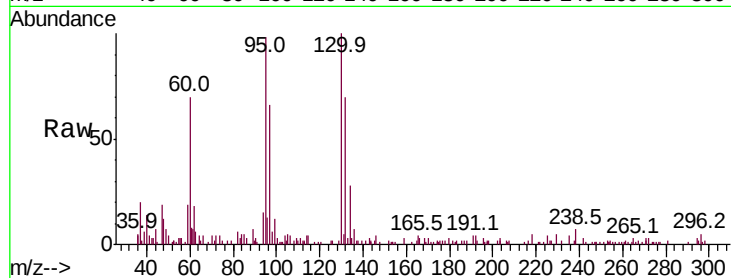
Delta R.T. -0.00 min

Lab File: VR026064.D

Acq: 12 Oct 2018 16:39

Instrument :  
MSVOA\_R  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 9363  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 67.1  | 43.9  | 81.5  |
| 132      | 71.0  | 53.3  | 98.9  |
| 130      | 101.8 | 53.8  | 99.8# |



#35

Methylcyclohexane

Concen: 0.743 ug/L

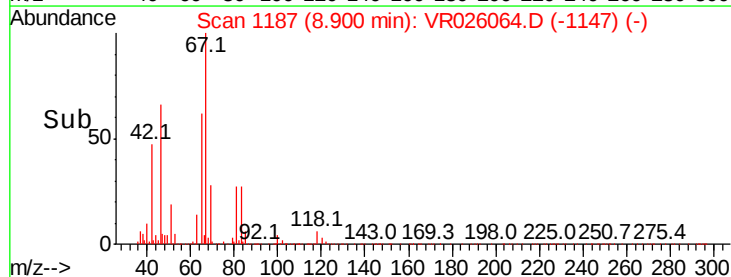
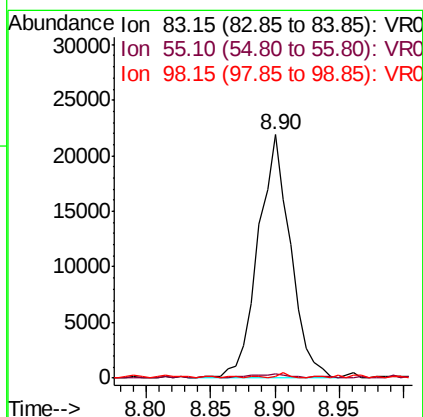
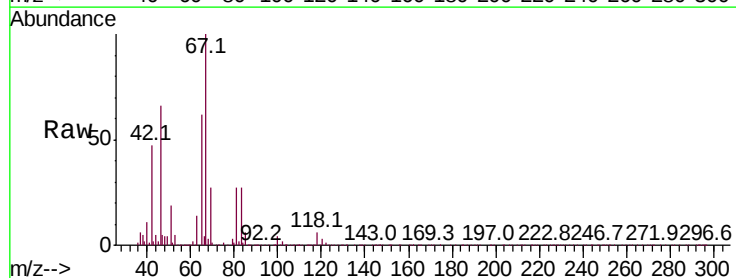
RT: 8.90 min Scan# 1187

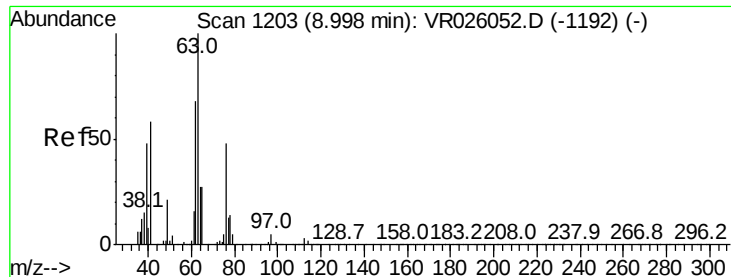
Delta R.T. -0.05 min

Lab File: VR026064.D

Acq: 12 Oct 2018 16:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 38060  |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 1.8   | 71.8  | 107.6# |
| 98       | 0.7   | 34.2  | 51.4#  |





#37

1,2-Dichloropropane

Concen: 0.763 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.10 min

Lab File: VR026064.D

Acq: 12 Oct 2018 16:39

Instrument :

MSVOA\_R

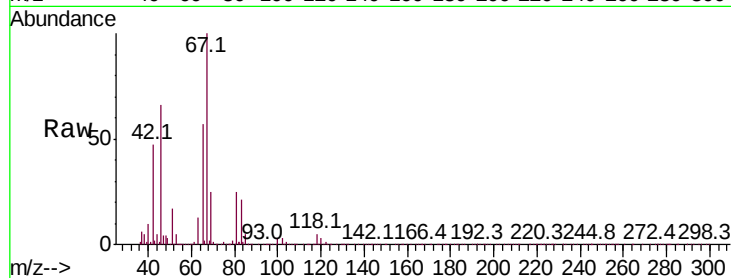
ClientSampled :

Tot Ion: 63 Resp: 21181

Ion Ratio Lower Upper

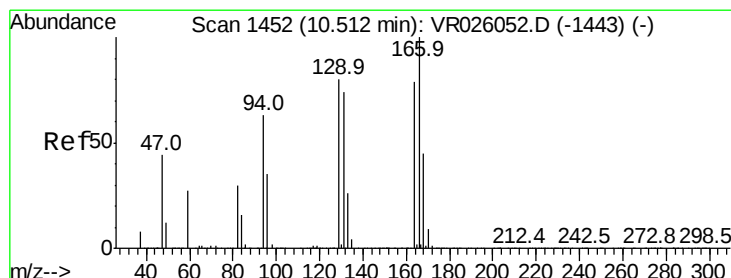
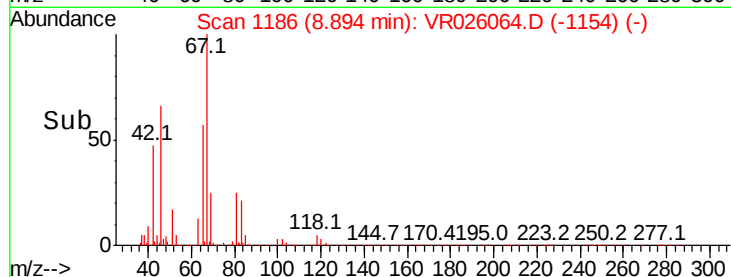
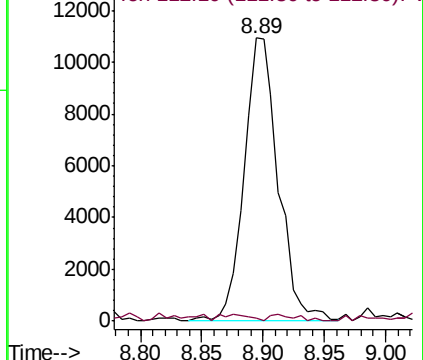
63 100

112 1.9 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#47

Tetrachloroethene

Concen: 5.388 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026064.D

Acq: 12 Oct 2018 16:39

Tgt Ion: 164 Resp: 113168

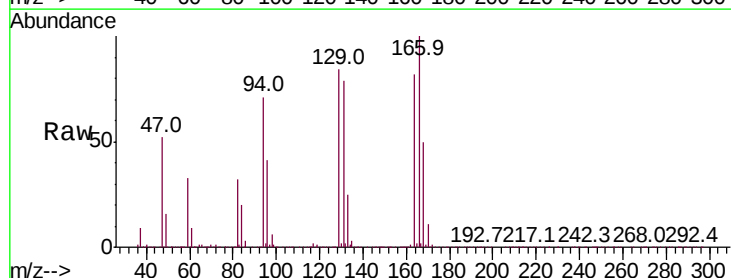
Ion Ratio Lower Upper

164 100

129 102.5 80.8 150.2

131 97.4 74.5 138.3

166 122.7 92.5 171.7

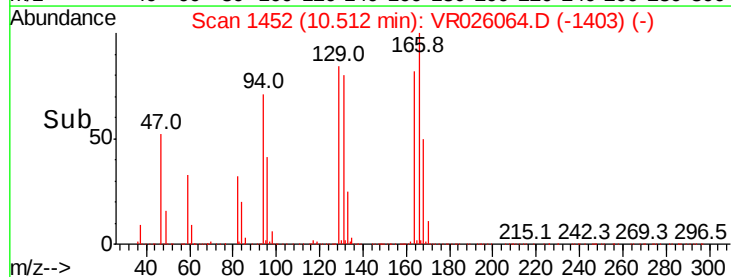
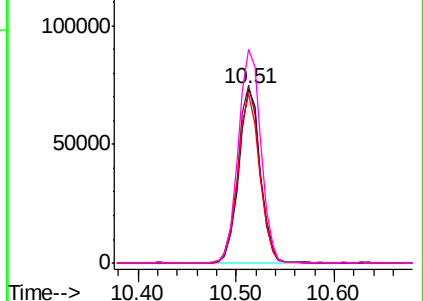


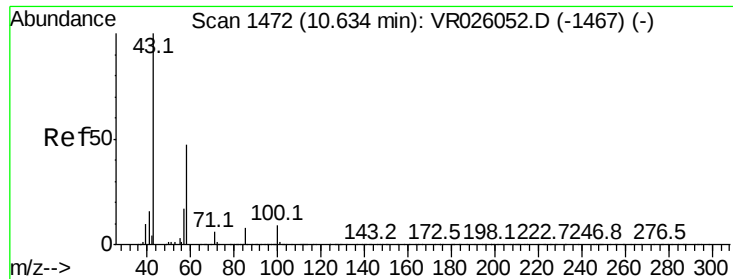
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

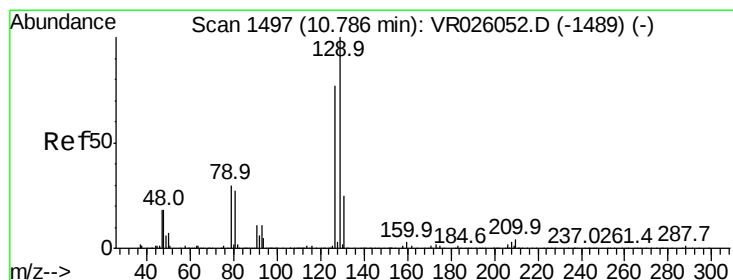
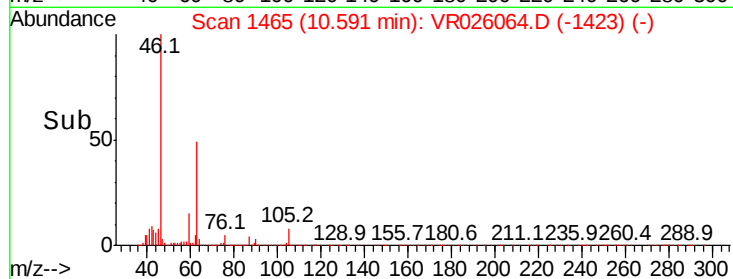
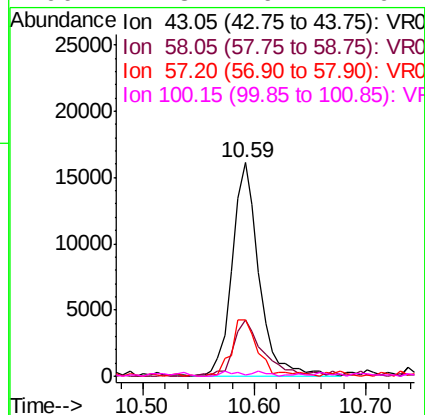
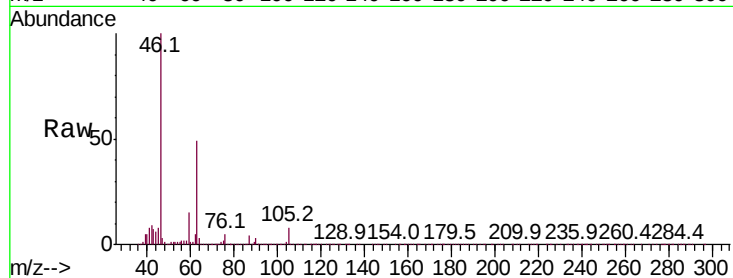




#48  
2-Hexanone  
Concen: 4.213 ug/L  
RT: 10.59 min Scan# 1465  
Delta R.T. -0.04 min  
Lab File: VR026064.D  
Acq: 12 Oct 2018 16:39

Instrument :  
MSVOA\_R  
ClientSampleId :

Tot Ion: 43 Resp: 26914  
Ion Ratio Lower Upper  
43 100  
58 28.8 39.5 59.3#  
57 26.1 14.6 21.8#  
100 1.3 6.7 10.1#



#49  
Dibromochloromethane  
Concen: 7.522 ug/L  
RT: 10.51 min Scan# 1452  
Delta R.T. -0.27 min  
Lab File: VR026064.D  
Acq: 12 Oct 2018 16:39

Tgt Ion: 129 Resp: 95820  
Ion Ratio Lower Upper  
129 100  
127 0.6 54.1 100.5#

