

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040419\  
 Data File : VR026441.D  
 Acq On : 4 Apr 2019 12:02  
 Operator : SY/MD  
 Sample : VR0404WBL01  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Quant Time: Apr 05 07:21:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR040319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Apr 05 07:16:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 695229   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 556704   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 176570   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 238855   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.40%  |
| 7) Chloroethane-d5             | 2.62   | 69    | 201478   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.40%  |
| 11) 1,1-Dichloroethene-d2      | 3.60   | 63    | 464176   | 3.40     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.00%  |
| 20) 2-Butanone-d5              | 6.58   | 46    | 216232   | 45.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 91.82%  |
| 24) Chloroform-d               | 7.20   | 84    | 430888   | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.80%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 176065   | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.40%  |
| 32) Benzene-d6                 | 7.85   | 84    | 800009   | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.80%  |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 207182   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.00%  |
| 41) Toluene-d8                 | 9.97   | 98    | 737139   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.60%  |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 49607    | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.20%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 169349   | 51.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.34% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 73988    | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 136365   | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.00% |

## Target Compounds

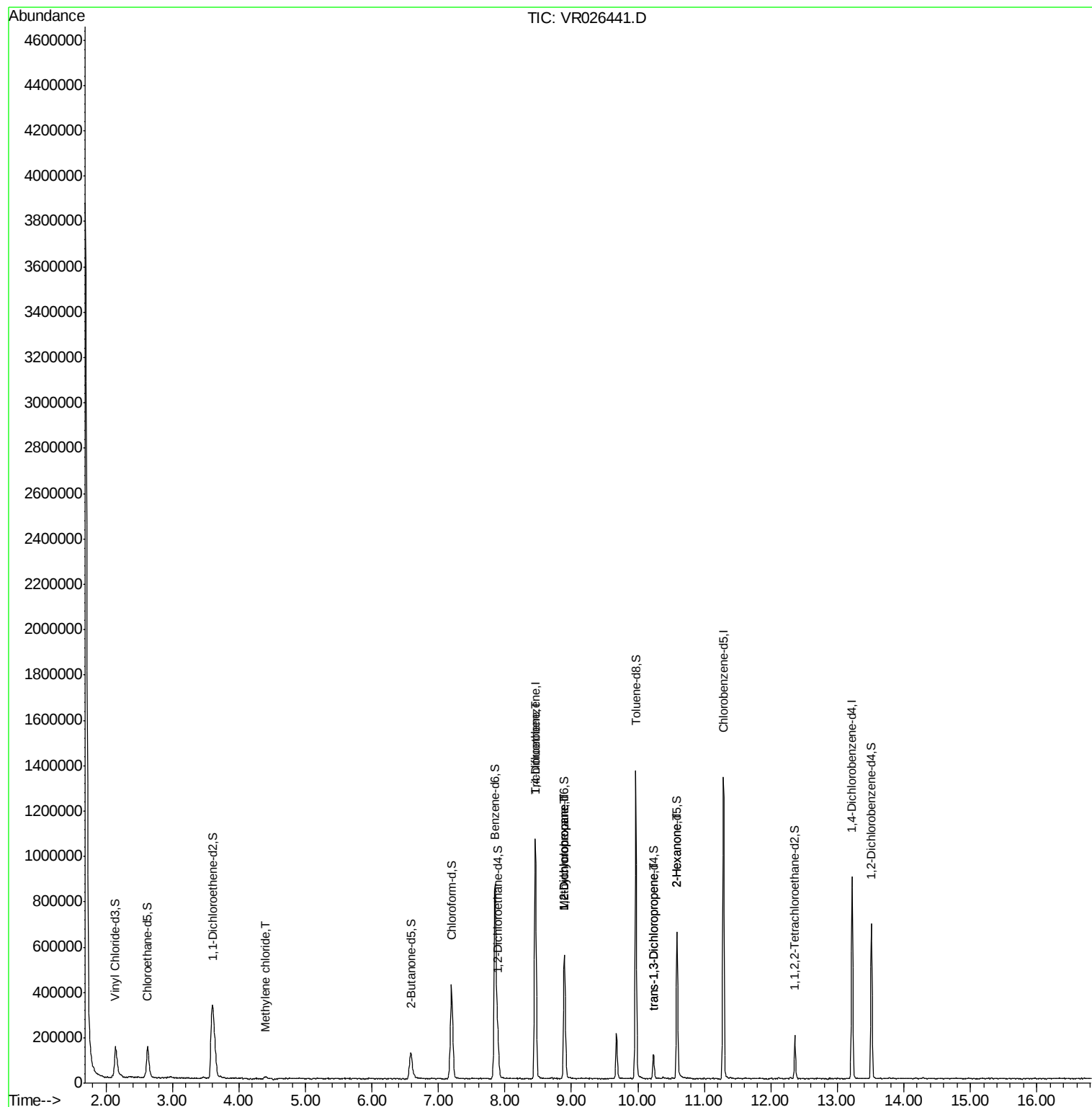
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride        | 4.40  | 84 | 6946  | 0.127 ug/L # | 63     |
| 34) Trichloroethene           | 8.46  | 95 | 25431 | 0.436 ug/L # | 12     |
| 35) Methylcyclohexane         | 8.89  | 83 | 54381 | 0.654 ug/L # | 14     |
| 37) 1,2-Dichloropropane       | 8.89  | 63 | 28971 | 0.608 ug/L # | 98     |
| 44) trans-1,3-Dichloropropene | 10.23 | 75 | 3933  | 0.104 ug/L   | 83     |
| 48) 2-Hexanone                | 10.59 | 43 | 30581 | 3.291 ug/L # | 67     |

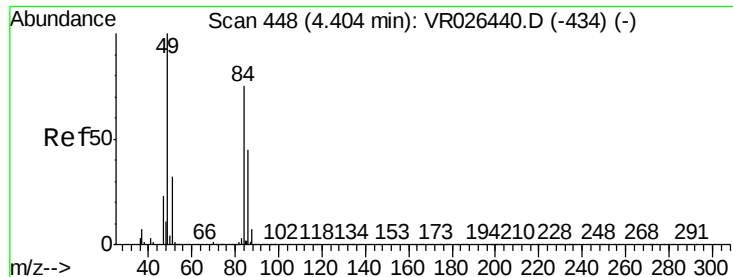
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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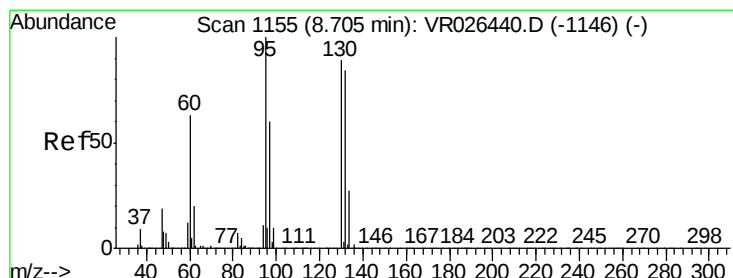
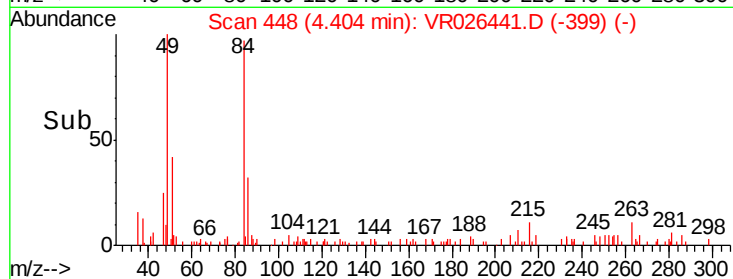
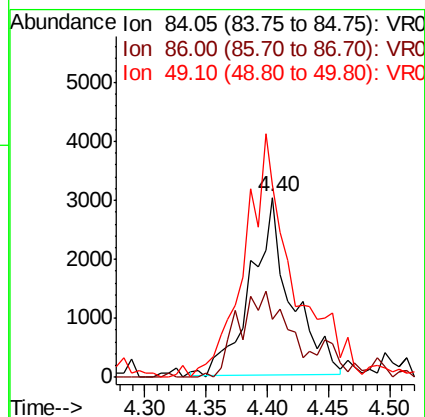
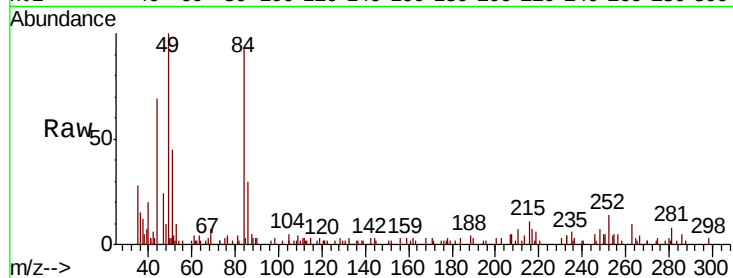




#16  
Methvlene chloride  
Concen: 0.127 ug/L  
RT: 4.40 min Scan# 448  
Delta R.T. 0.00 min  
Lab File: VR026441.D  
Acq: 4 Apr 2019 12:02

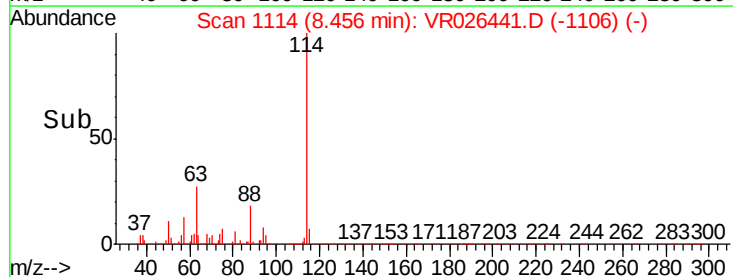
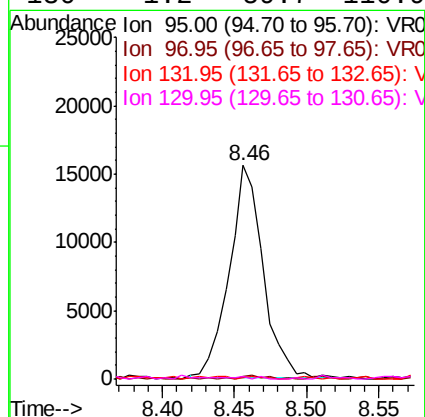
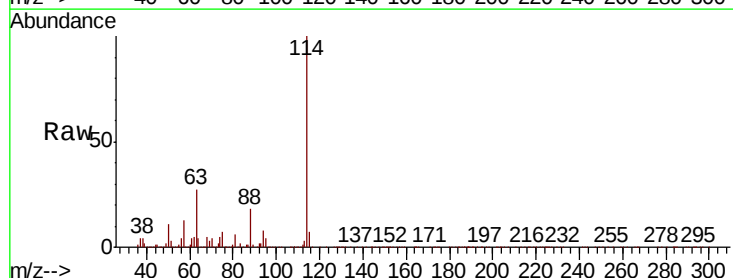
Instrument :  
MSVOA\_R  
ClientSampled :

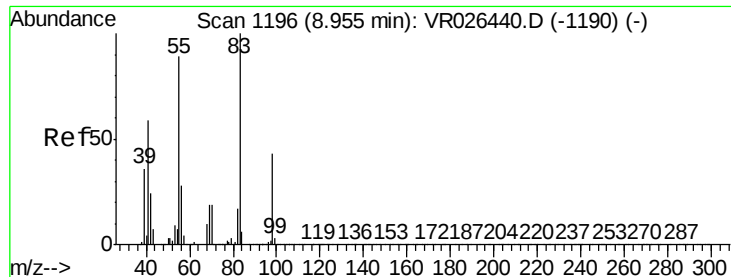
Tot Ion: 84 Resp: 6946  
Ion Ratio Lower Upper  
84 100  
86 32.5 45.6 84.6#  
49 107.1 106.5 197.9



#34  
Trichloroethene  
Concen: 0.436 ug/L  
RT: 8.46 min Scan# 1114  
Delta R.T. -0.25 min  
Lab File: VR026441.D  
Acq: 4 Apr 2019 12:02

Tgt Ion: 95 Resp: 25431  
Ion Ratio Lower Upper  
95 100  
97 1.1 43.8 81.3#  
132 0.8 57.2 106.2#  
130 1.2 59.7 110.9#

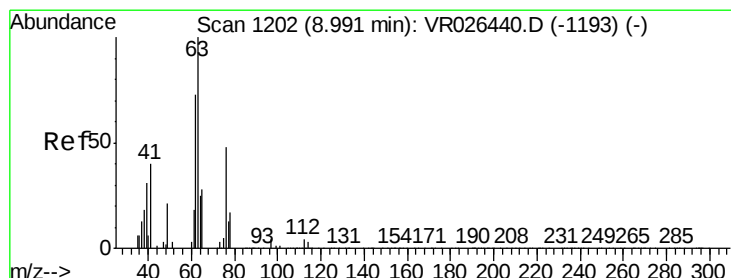
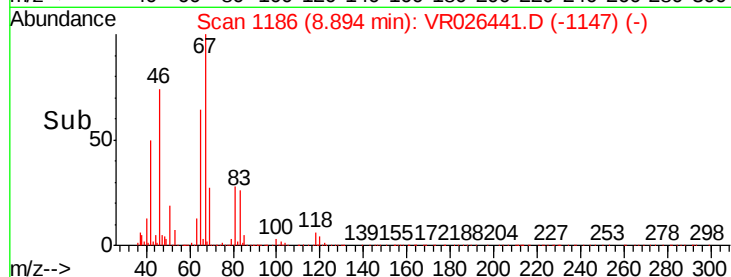
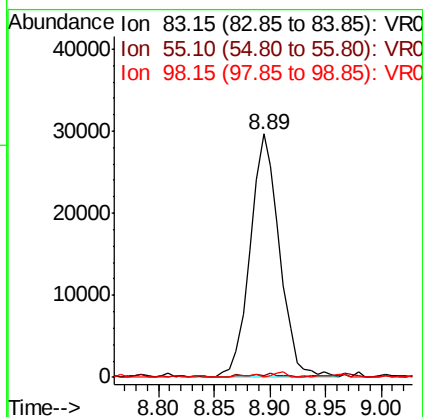
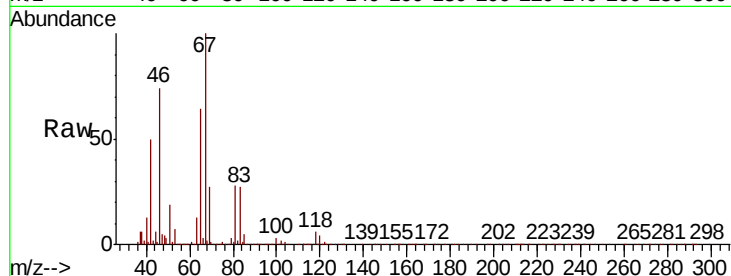




#35  
Methvlcvclohexane  
Concen: 0.654 ug/L  
RT: 8.89 min Scan# 1186  
Delta R.T. -0.06 min  
Lab File: VR026441.D  
Acq: 4 Apr 2019 12:02

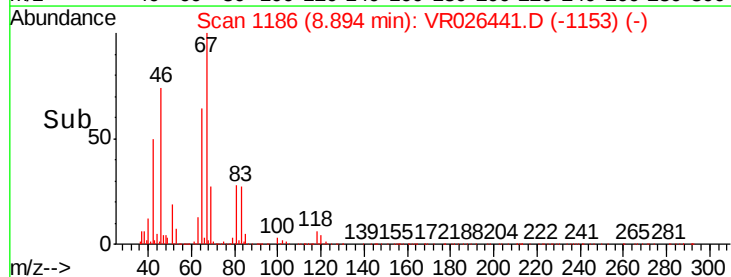
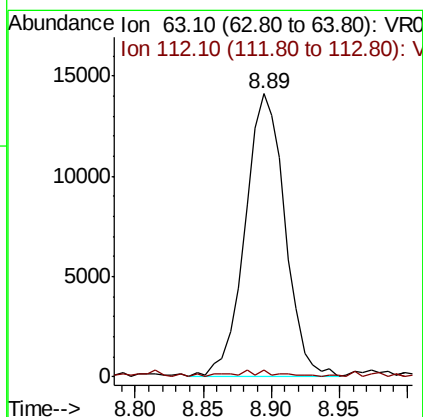
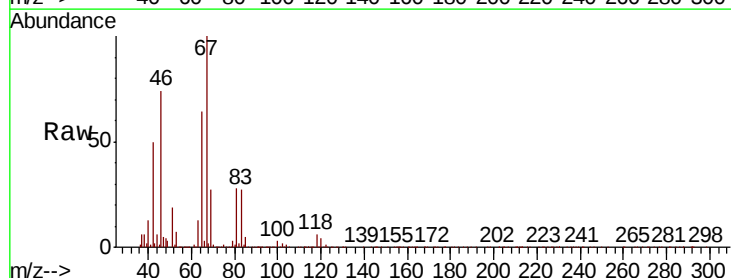
Instrument :  
MSVOA\_R  
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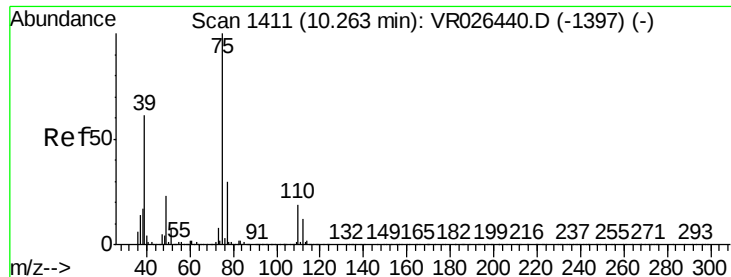
Tot Ion: 83 Resp: 54381  
Ion Ratio Lower Upper  
83 100  
55 1.3 73.8 110.6#  
98 0.8 34.6 51.8#



#37  
1,2-Dichloropropane  
Concen: 0.608 ug/L  
RT: 8.89 min Scan# 1186  
Delta R.T. -0.10 min  
Lab File: VR026441.D  
Acq: 4 Apr 2019 12:02

Tgt Ion: 63 Resp: 28971  
Ion Ratio Lower Upper  
63 100  
112 2.7 2.8 4.2#





#44

trans-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.03 min

Lab File: VR026441.D

Acq: 4 Apr 2019 12:02

Instrument :

MSVOA\_R

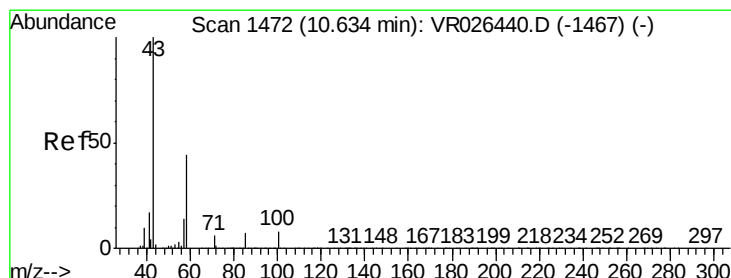
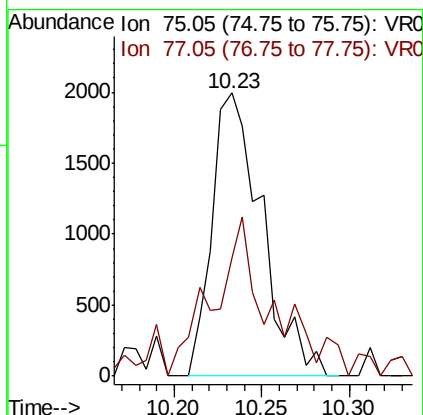
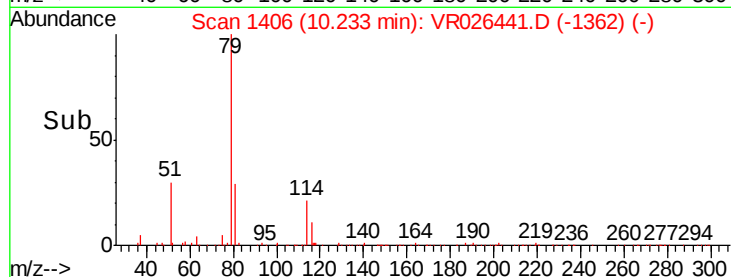
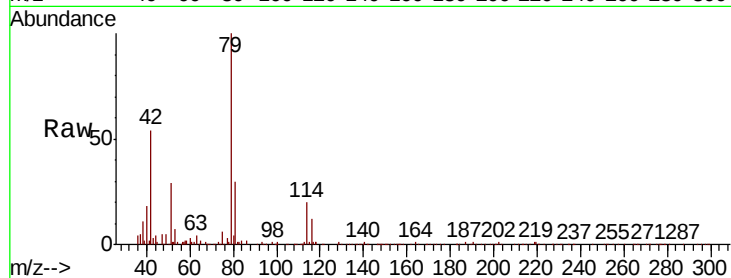
ClientSampleId :

Tot Ion: 75 Resp: 3933

Ion Ratio Lower Upper

75 100

77 41.9 22.7 42.1



#48

2-Hexanone

Concen: 3.291 ug/L

RT: 10.59 min Scan# 1464

Delta R.T. -0.05 min

Lab File: VR026441.D

Acq: 4 Apr 2019 12:02

Tgt Ion: 43 Resp: 30581

Ion Ratio Lower Upper

43 100

58 21.9 38.2 57.2#

57 27.6 13.8 20.6#

100 1.6 6.2 9.2#

