

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR101818\  
 Data File : VR026135.D  
 Acq On : 18 Oct 2018 15:40  
 Operator : SY/MD  
 Sample : J5464-09  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0JE4

Quant Time: Oct 19 04:43:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR101518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 19 04:39:21 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 507811   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 422352   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 133563   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 237302   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 106.80% |
| 7) Chloroethane-d5             | 2.63   | 69    | 198738   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.00% |
| 11) 1,1-Dichloroethene-d2      | 3.61   | 63    | 412798   | 3.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.60%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 208364   | 57.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 114.22% |
| 24) Chloroform-d               | 7.20   | 84    | 342492   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 148208   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.80% |
| 32) Benzene-d6                 | 7.85   | 84    | 683421   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.80% |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 188049   | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 107.40% |
| 41) Toluene-d8                 | 9.97   | 98    | 626550   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.80%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 38942    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.80%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 160742   | 60.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 121.14% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 70273    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.20% |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 116940   | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.80% |

## Target Compounds

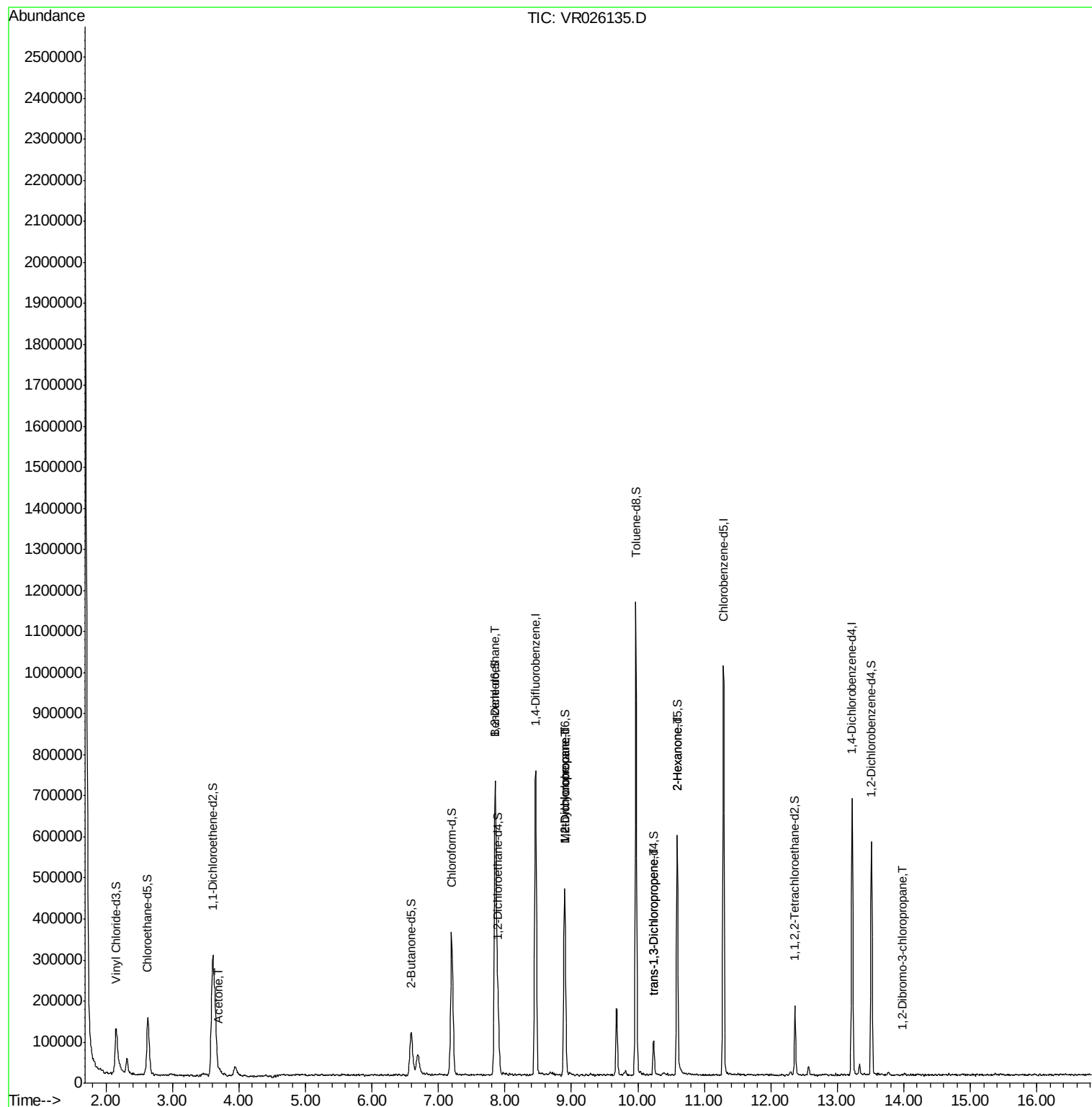
|                                |       |    |       |              | Qvalue |
|--------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                    | 3.70  | 43 | 17431 | 4.621 ug/L   | 99     |
| 27) 1,2-Dichloroethane         | 7.85  | 62 | 5185  | 0.155 ug/L   | 96     |
| 35) Methylcyclohexane          | 8.90  | 83 | 43736 | 0.724 ug/L # | 18     |
| 37) 1,2-Dichloropropane        | 8.89  | 63 | 23658 | 0.708 ug/L # | 94     |
| 44) trans-1,3-Dichloropropene  | 10.23 | 75 | 2681  | 0.100 ug/L   | 88     |
| 48) 2-Hexanone                 | 10.59 | 43 | 24892 | 3.732 ug/L # | 73     |
| 66) 1,2-Dibromo-3-chloropropan | 13.97 | 75 | 259   | 0.179 ug/L   | 89     |

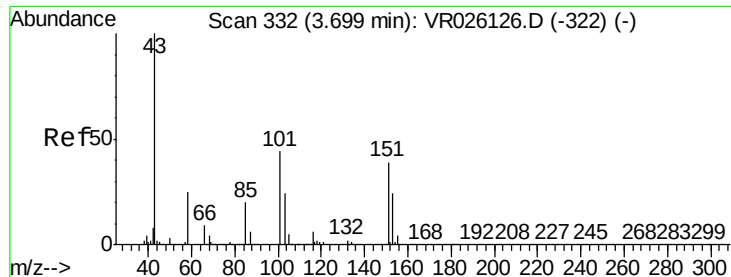
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.621 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR026135.D

Acq: 18 Oct 2018 15:40

Instrument :

MSVOA\_R

ClientSampleId :

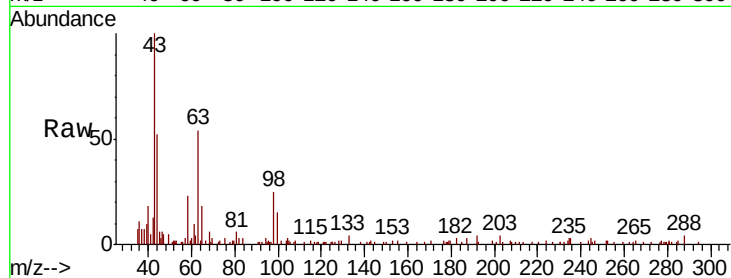
C0JE4

Tgt Ion: 43 Resp: 17431

Ion Ratio Lower Upper

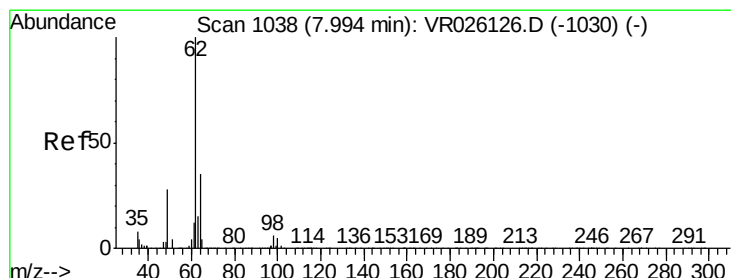
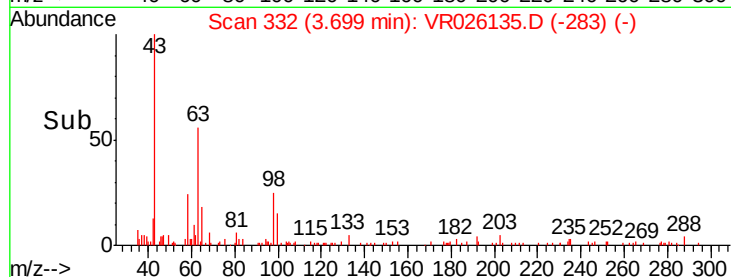
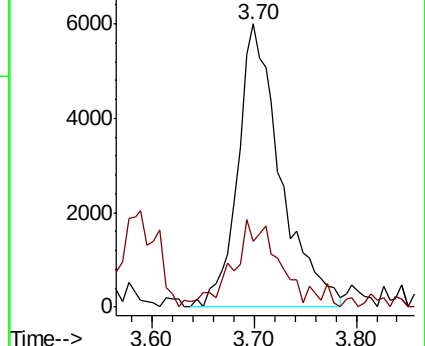
43 100

58 28.1 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#27

1,2-Dichloroethane

Concen: 0.155 ug/L

RT: 7.85 min Scan# 1015

Delta R.T. -0.14 min

Lab File: VR026135.D

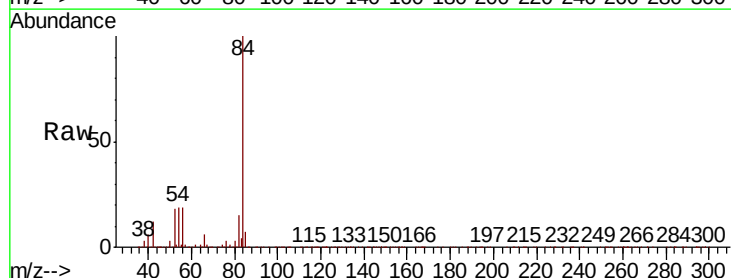
Acq: 18 Oct 2018 15:40

Tgt Ion: 62 Resp: 5185

Ion Ratio Lower Upper

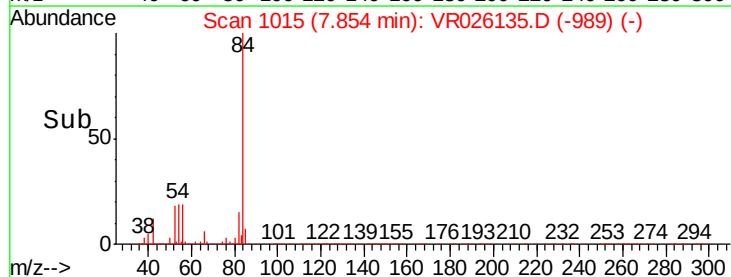
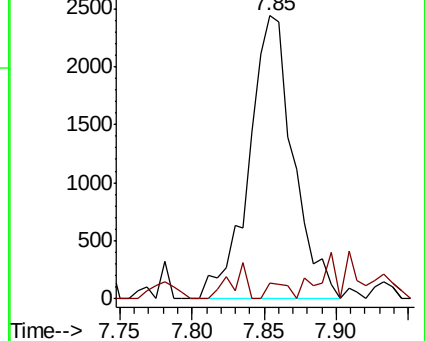
62 100

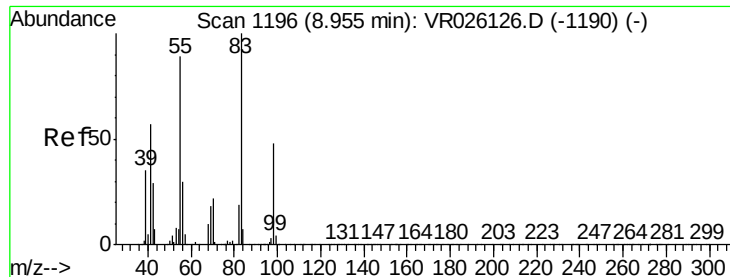
98 5.7 5.6 8.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0





#35

Methylcyclohexane

Concen: 0.724 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR026135.D

Acq: 18 Oct 2018 15:40

Instrument :

MSVOA\_R

ClientSampleId :

C0JE4

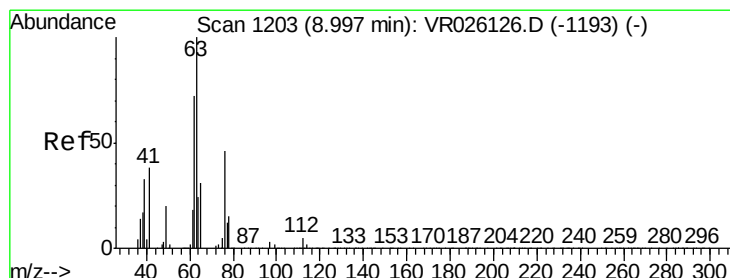
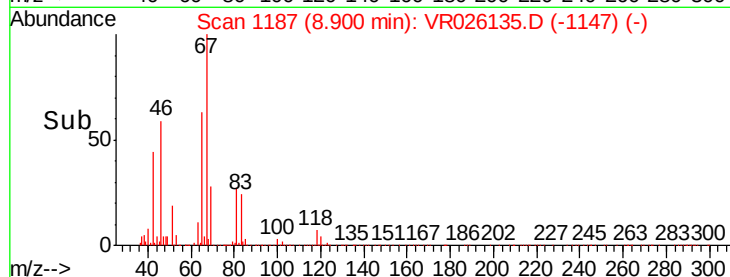
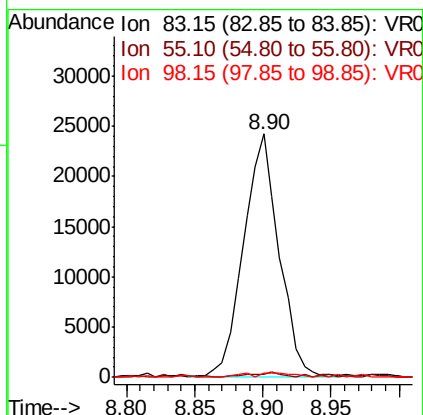
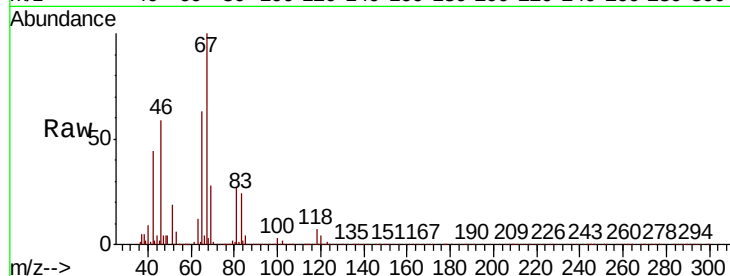
Tgt Ion: 83 Resp: 43736

Ion Ratio Lower Upper

83 100

55 1.9 66.8 100.2#

98 1.7 35.2 52.8#



#37

1,2-Dichloropropane

Concen: 0.708 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.10 min

Lab File: VR026135.D

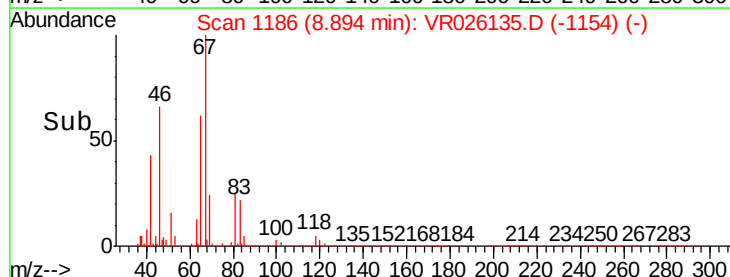
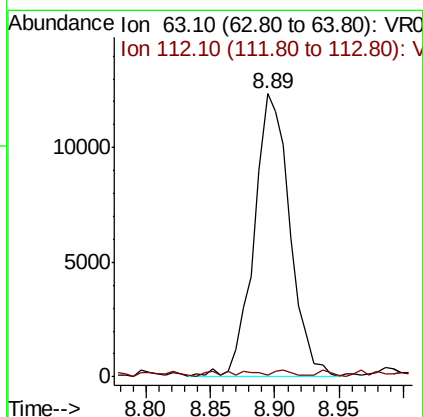
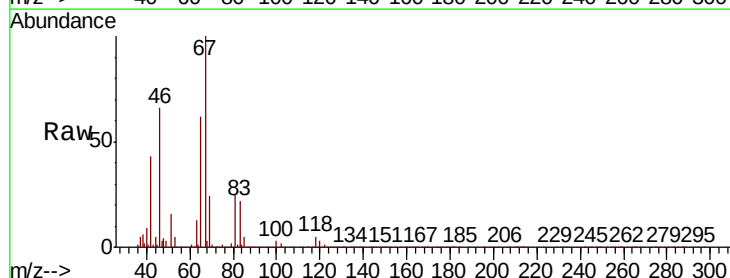
Acq: 18 Oct 2018 15:40

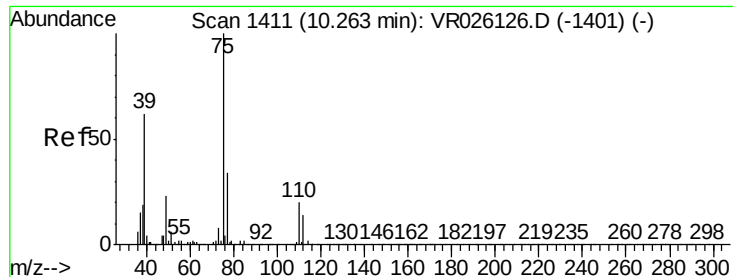
Tgt Ion: 63 Resp: 23658

Ion Ratio Lower Upper

63 100

112 1.3 2.7 4.1#





#44

trans-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.03 min

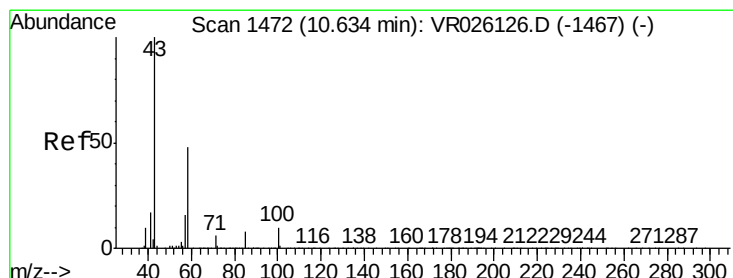
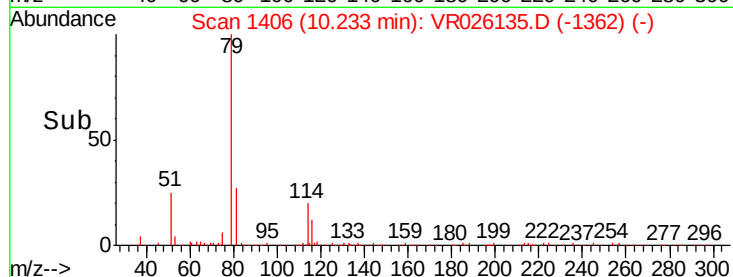
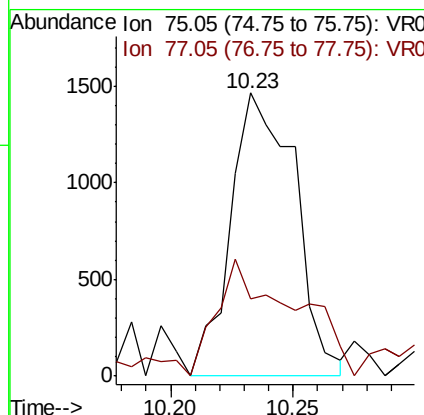
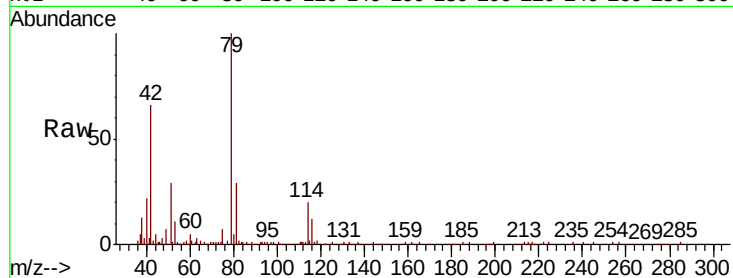
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Instrument :  
MSVOA\_R  
ClientSampleId :  
C0JE4

Tgt Ion: 75 Resp: 2681

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 27.3  | 24.1  | 44.7  |



#48

2-Hexanone

Concen: 3.732 ug/L

RT: 10.59 min Scan# 1465

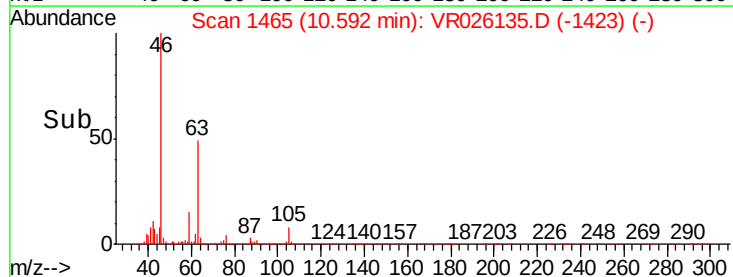
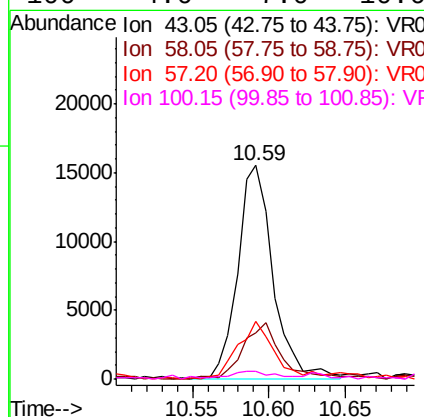
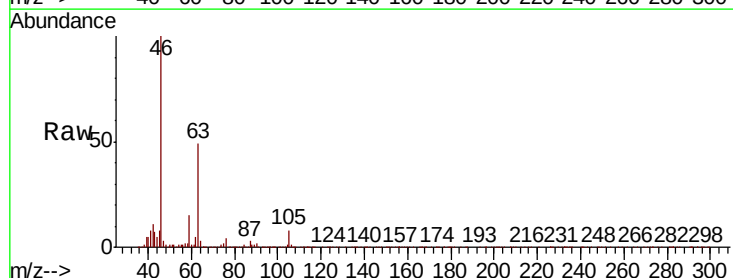
Delta R.T. -0.04 min

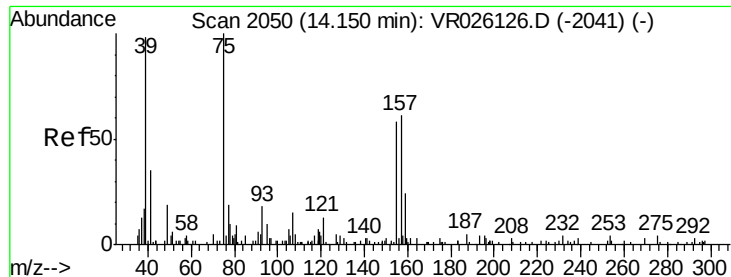
Lab File: VR026135.D

Acq: 18 Oct 2018 15:40

Tgt Ion: 43 Resp: 24892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 29.0  | 39.6  | 59.4# |
| 57  | 28.7  | 14.0  | 21.0# |
| 100 | 4.6   | 7.0   | 10.6# |





#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.179 ug/L  
 RT: 13.97 min Scan# 2020  
 Delta R.T. -0.18 min  
 Lab File: VR026135.D  
 Acq: 18 Oct 2018 15:40

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0JE4

Tgt Ion: 75 Resp: 259  
 Ion Ratio Lower Upper  
 75 100  
 155 42.8 40.9 61.3  
 157 74.6 67.3 100.9

