

Data File : VR025808.D  
Acq On : 21 Sep 2018 19:45  
Operator : SY/MD  
Sample : J4989-06DL 4X  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
ETOR8DL

Quant Time: Sep 22 04:38:13 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092118WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Sep 22 04:37:34 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 447719   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 359497   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 123638   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 148590   | 4.63     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.60% |
| 7) Chloroethane-d5             | 2.62   | 69    | 118113   | 4.69     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.80% |
| 11) 1,1-Dichloroethene-d2      | 3.61   | 63    | 245960   | 3.17     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.40% |
| 20) 2-Butanone-d5              | 6.59   | 46    | 207292   | 48.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.00% |
| 24) Chloroform-d               | 7.20   | 84    | 292871   | 4.35     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.00% |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 130467   | 4.50     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.00% |
| 32) Benzene-d6                 | 7.85   | 84    | 600806   | 4.50     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00% |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 166730   | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.60% |
| 41) Toluene-d8                 | 9.97   | 98    | 531876   | 4.43     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.60% |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 40003    | 3.97     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.40% |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 156365   | 46.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 92.96% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 62025    | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.60% |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 92717    | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 87.80% |

#### Target Compounds

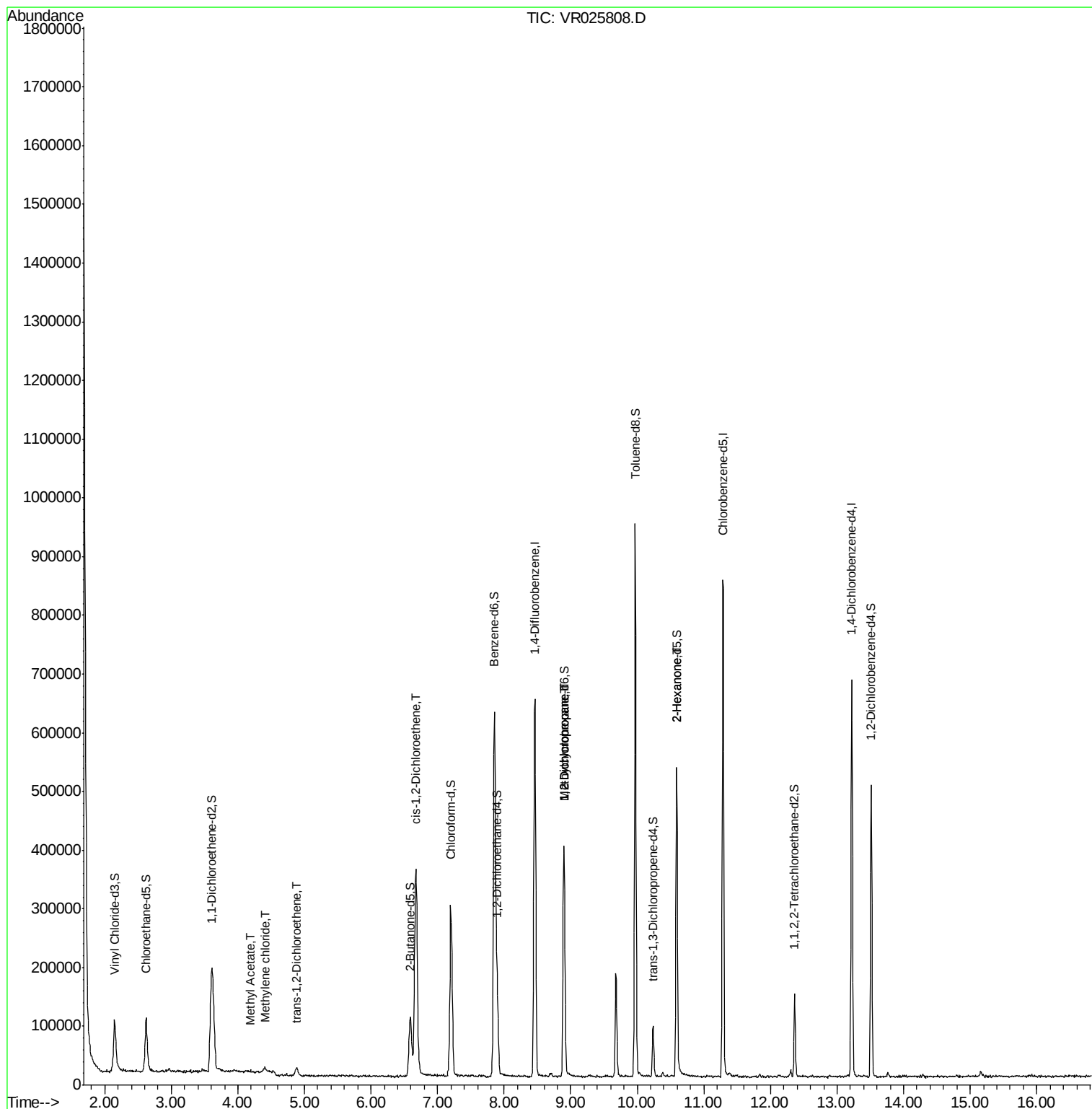
|                              |       |    |        |              | Qvalue |
|------------------------------|-------|----|--------|--------------|--------|
| 15) Methyl Acetate           | 4.20  | 43 | 1788   | 0.198 ug/L # | 54     |
| 16) Methylene chloride       | 4.40  | 84 | 5156   | 0.148 ug/L   | 91     |
| 18) trans-1,2-Dichloroethene | 4.89  | 96 | 8045   | 0.184 ug/L # | 63     |
| 22) cis-1,2-Dichloroethene   | 6.68  | 96 | 192838 | 4.382 ug/L   | 96     |
| 35) Methylcyclohexane        | 8.90  | 83 | 38735  | 0.472 ug/L # | 16     |
| 37) 1,2-Dichloropropane      | 8.89  | 63 | 20324  | 0.483 ug/L # | 95     |
| 48) 2-Hexanone               | 10.59 | 43 | 23864  | 2.477 ug/L # | 71     |

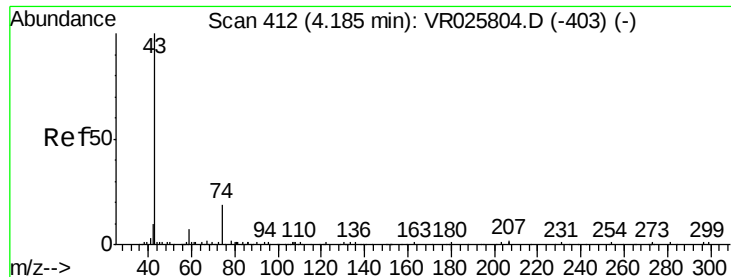
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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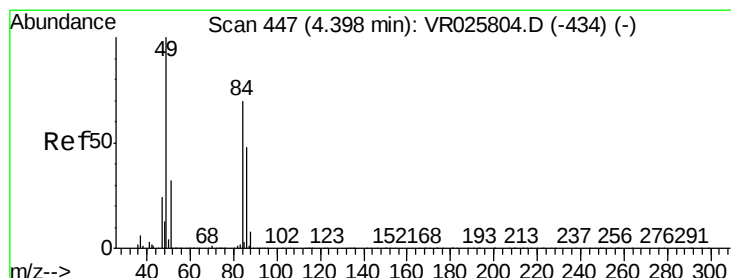
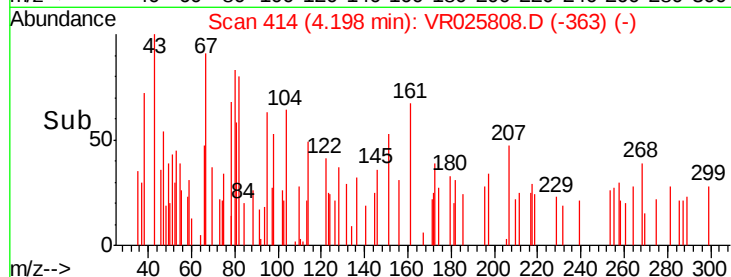
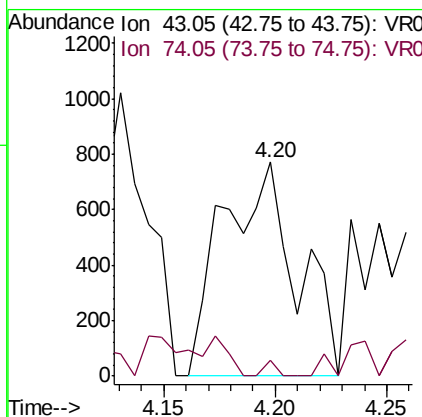
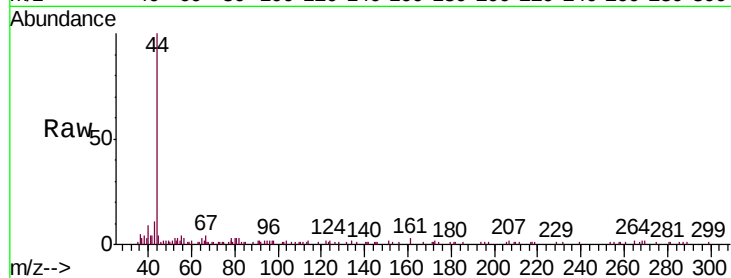




#15  
Methyl Acetate  
Concen: 0.198 ug/L  
RT: 4.20 min Scan# 414  
Delta R.T. 0.01 min  
Lab File: VR025808.D  
Acq: 21 Sep 2018 19:45

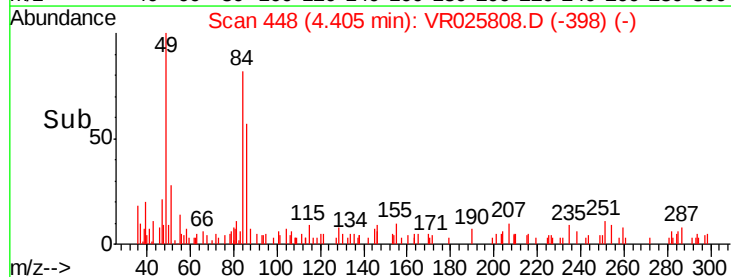
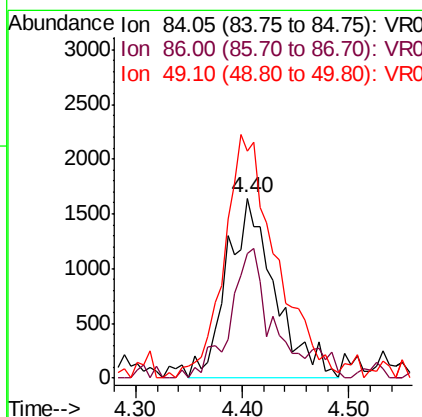
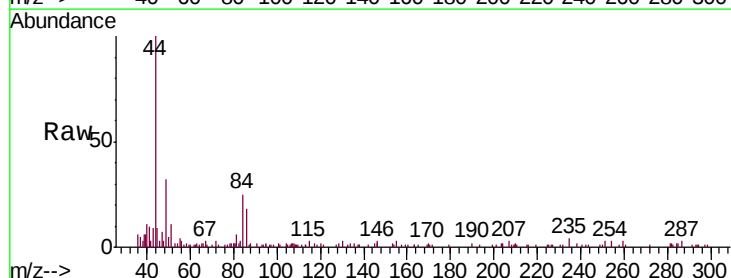
Instrument :  
MSVOA\_R  
ClientSampled :  
ETOR8DL

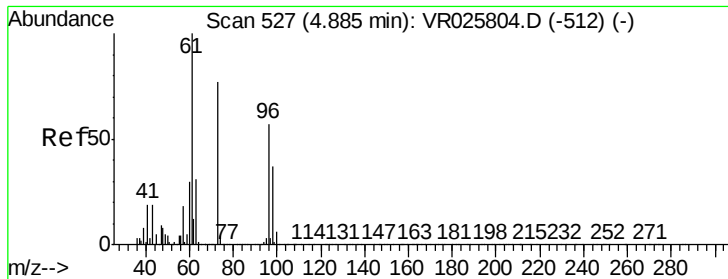
Tgt Ion: 43 Resp: 1788  
Ion Ratio Lower Upper  
43 100  
74 1.1 19.0 28.4#



#16  
Methylene chloride  
Concen: 0.148 ug/L  
RT: 4.40 min Scan# 448  
Delta R.T. 0.01 min  
Lab File: VR025808.D  
Acq: 21 Sep 2018 19:45

Tgt Ion: 84 Resp: 5156  
Ion Ratio Lower Upper  
84 100  
86 69.5 43.1 80.1  
49 126.0 95.5 177.3

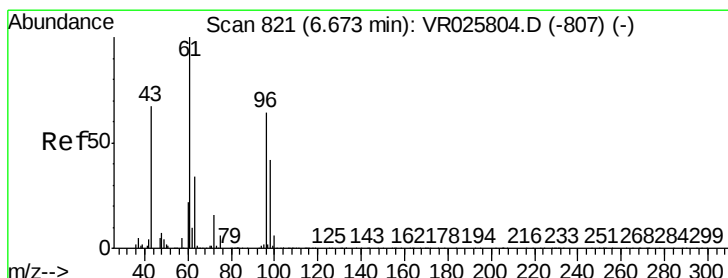
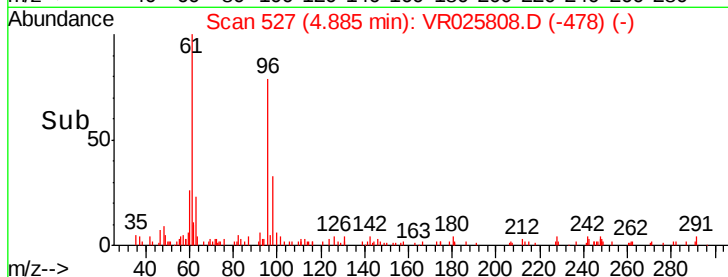
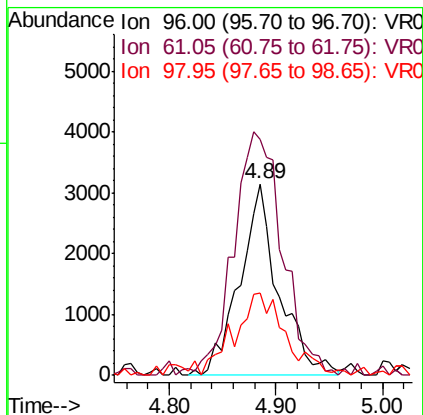
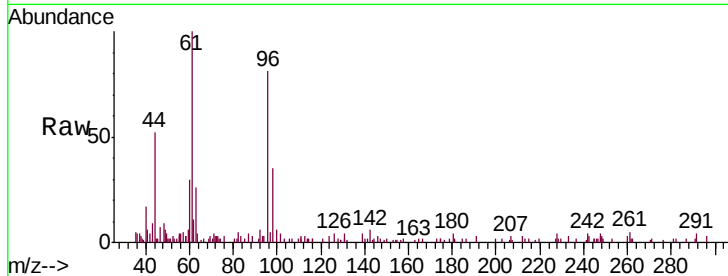




#18  
trans-1,2-Dichloroethene  
Concen: 0.184 ug/L  
RT: 4.89 min Scan# 527  
Delta R.T. 0.00 min  
Lab File: VR025808.D  
Acq: 21 Sep 2018 19:45

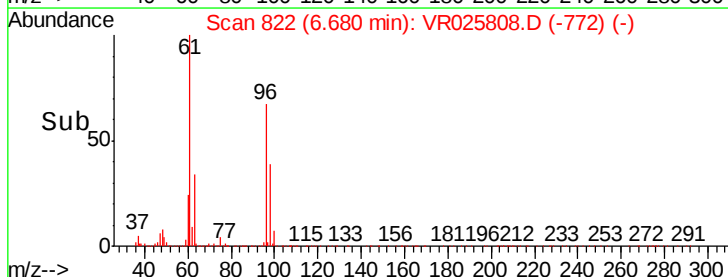
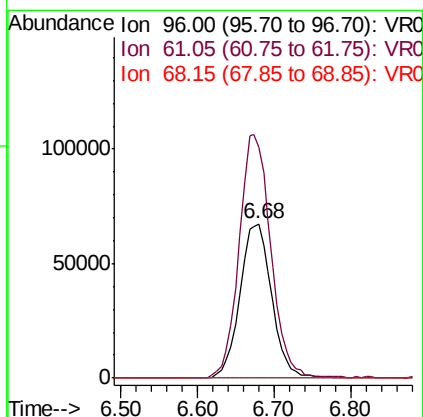
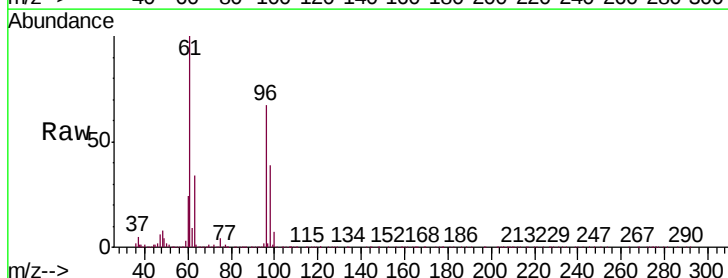
Instrument :  
MSVOA\_R  
ClientSampleId :  
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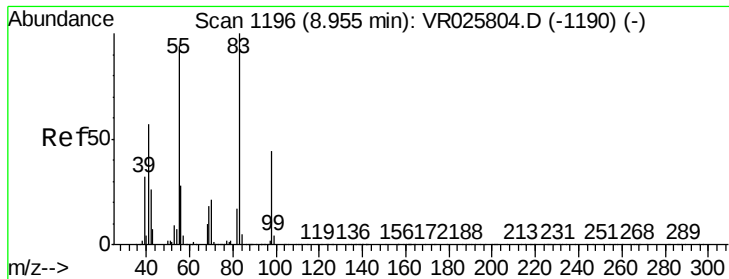
Tgt Ion: 96 Resp: 8045  
Ion Ratio Lower Upper  
96 100  
61 123.4 127.4 236.6#  
98 42.9 43.8 81.3#



#22  
cis-1,2-Dichloroethene  
Concen: 4.382 ug/L  
RT: 6.68 min Scan# 822  
Delta R.T. 0.01 min  
Lab File: VR025808.D  
Acq: 21 Sep 2018 19:45

Tgt Ion: 96 Resp: 192838  
Ion Ratio Lower Upper  
96 100  
61 149.6 108.7 201.9  
68 0.1 0.1 0.1

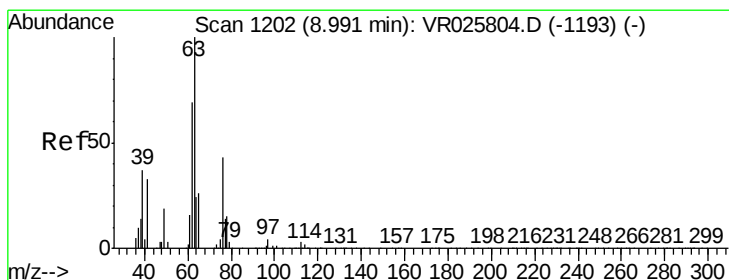
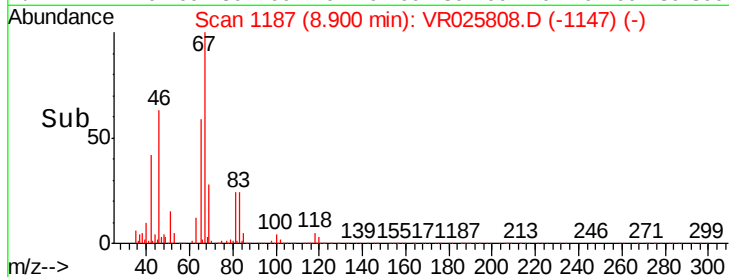
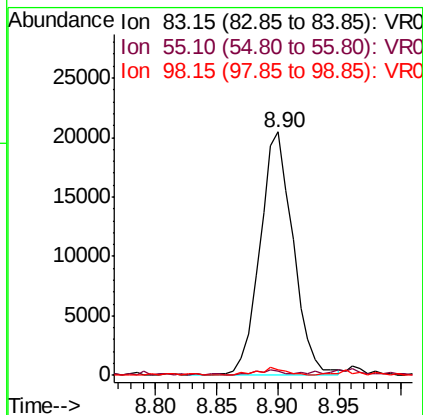
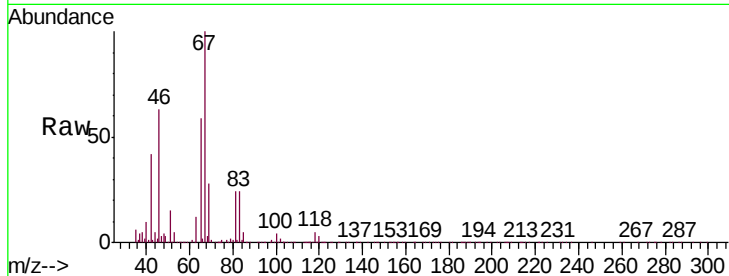




#35  
Methylcyclohexane  
Concen: 0.472 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.05 min  
Lab File: VR025808.D  
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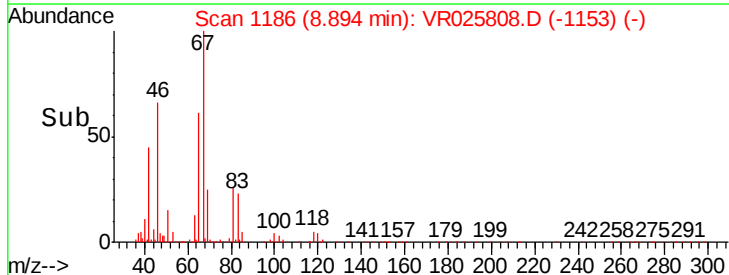
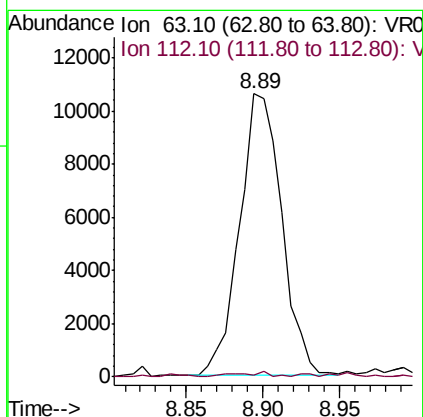
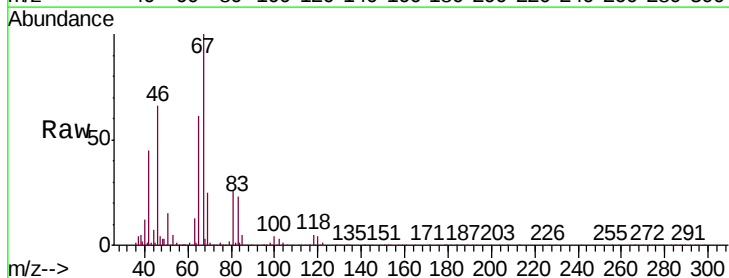
Instrument :  
MSVOA\_R  
ClientSampled :  
ET0R8DL

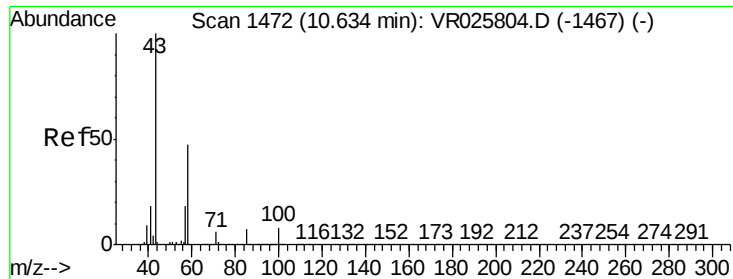
Tgt Ion: 83 Resp: 38735  
Ion Ratio Lower Upper  
83 100  
55 1.8 71.8 107.6#  
98 2.7 34.2 51.4#



#37  
1,2-Dichloropropane  
Concen: 0.483 ug/L  
RT: 8.89 min Scan# 1186  
Delta R.T. -0.10 min  
Lab File: VR025808.D  
Acq: 21 Sep 2018 19:45

Tgt Ion: 63 Resp: 20324  
Ion Ratio Lower Upper  
63 100  
112 1.4 2.5 3.7#





#48

2-Hexanone

Concen: 2.477 ug/L

RT: 10.59 min Scan# 1464

Delta R.T. -0.05 min

Lab File: VR025808.D

Acq: 21 Sep 2018 19:45

Instrument :

MSVOA\_R

ClientSampleId :

ET0R8DL

Tgt Ion: 43 Resp: 23864

Ion Ratio Lower Upper

43 100

58 23.7 39.5 59.3#

57 21.5 14.6 21.8

100 0.5 6.7 10.1#

