

Data File : VV012800.D  
Acq On : 15 Sep 2019 14:21  
Operator : SY/MD  
Sample : K4865-13  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
COMN2

Quant Time: Sep 16 07:20:53 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR090919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Sep 16 07:16:11 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 437944   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 430088   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 163641   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 185386   | 6.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 124.80% |
| 7) Chloroethane-d5             | 1.58   | 69    | 157752   | 6.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 128.40% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 229812   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 95.80%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 381802   | 53.41    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.82% |
| 24) Chloroform-d               | 4.40   | 84    | 308756   | 5.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 114.40% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 159187   | 6.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 123.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 620651   | 6.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 120.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 194970   | 5.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 119.60% |
| 41) Toluene-d8                 | 7.36   | 98    | 491641   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.80% |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 60536    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 108.00% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 200864   | 47.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 111611   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 164569   | 5.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 117.60% |

#### Target Compounds

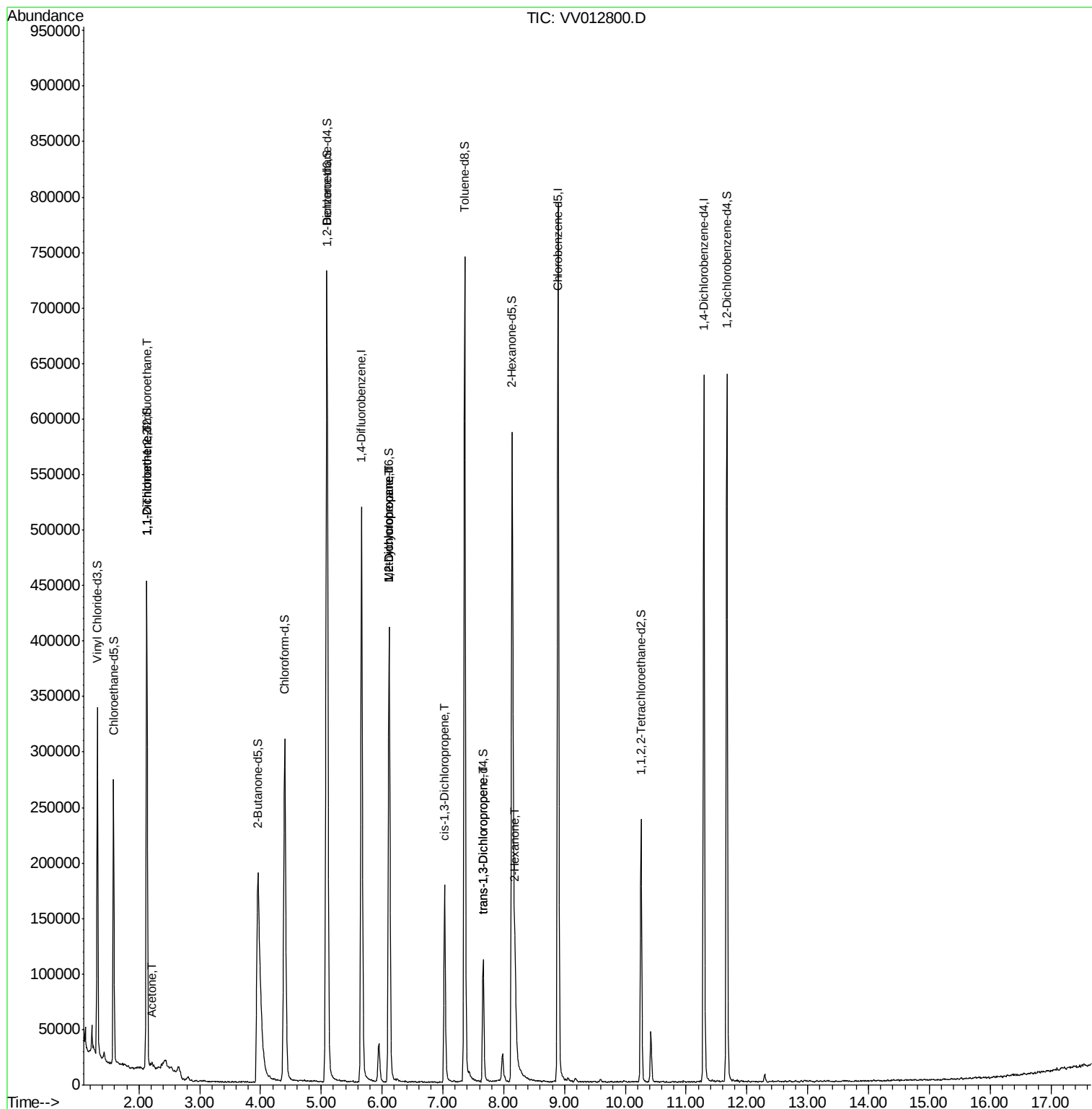
|                                |      |     |       |       | Qvalue |    |
|--------------------------------|------|-----|-------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 2286  | 0.080 | ug/L # | 17 |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 2016  | 0.074 | ug/L # | 1  |
| 13) Acetone                    | 2.22 | 43  | 5136  | 1.226 | ug/L   | 86 |
| 35) Methylcyclohexane          | 6.12 | 83  | 46775 | 0.953 | ug/L # | 18 |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 20941 | 0.669 | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 4724  | 0.115 | ug/L   | 88 |
| 44) trans-1,3-Dichloropropene  | 7.66 | 75  | 2910  | 0.094 | ug/L   | 86 |
| 48) 2-Hexanone                 | 8.19 | 43  | 63752 | 5.133 | ug/L # | 88 |

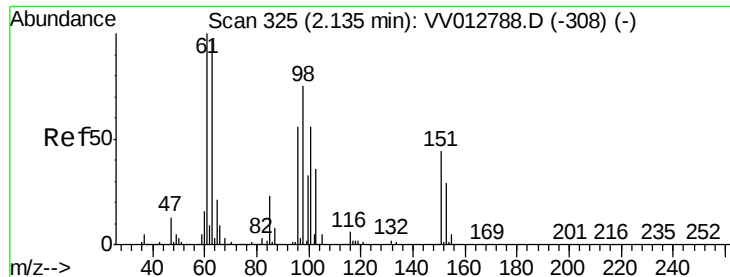
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.080 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012800.D

Acq: 15 Sep 2019 14:21

Instrument :

MSVOA\_V

ClientSampleId :

COMN2

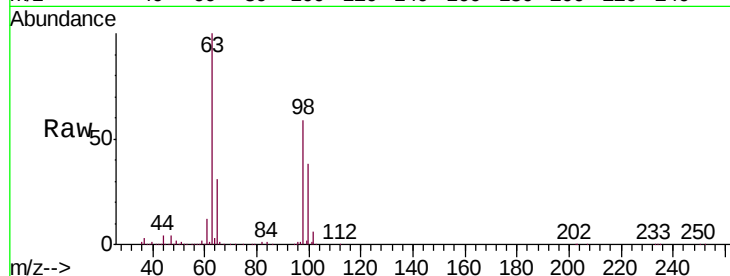
Tgt Ion:101 Resp: 2286

Ion Ratio Lower Upper

101 100

85 0.9 33.0 49.6#

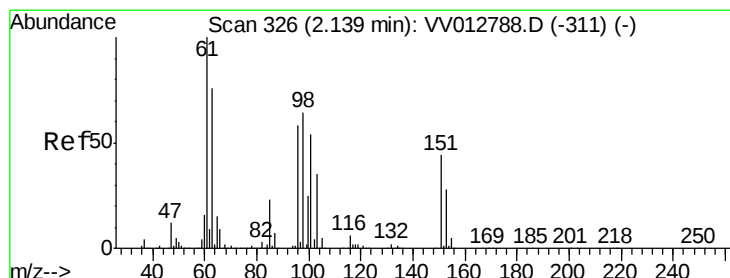
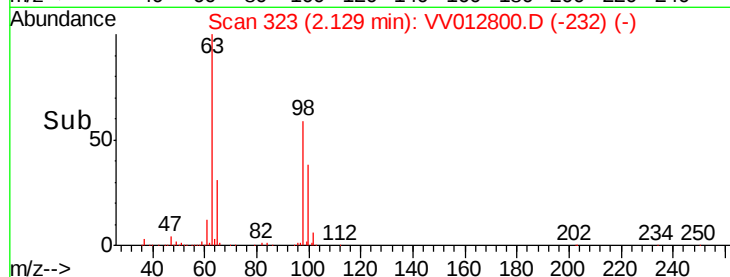
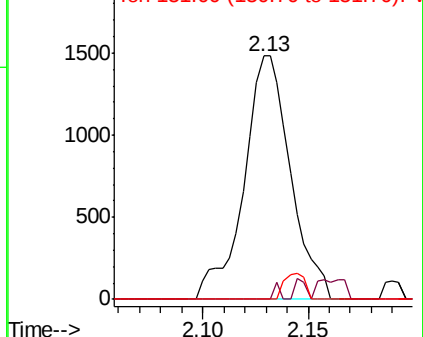
151 0.0 65.8 98.8#



Abundance Ion 101.00 (100.70 to 101.70): V

2000 Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.074 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012800.D

Acq: 15 Sep 2019 14:21

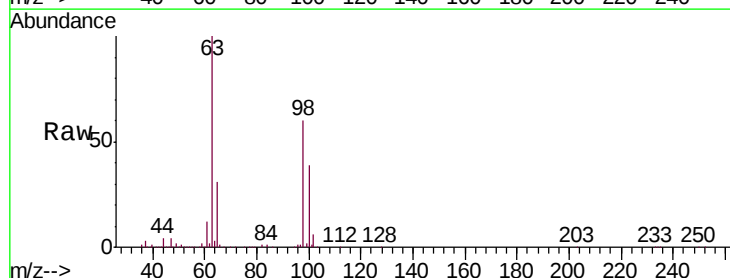
Tgt Ion: 96 Resp: 2016

Ion Ratio Lower Upper

96 100

61 1427.7 115.8 215.0#

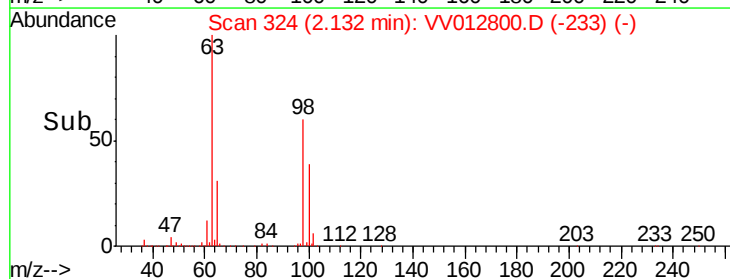
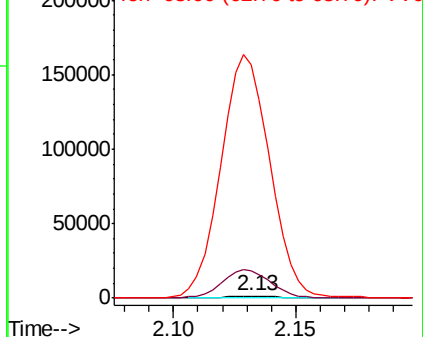
63 12076.3 79.4 147.4#

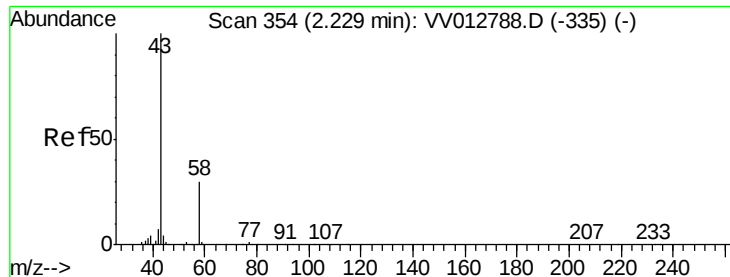


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.226 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

Lab File: VV012800.D

Acq: 15 Sep 2019 14:21

Instrument :

MSVOA\_V

ClientSampleId :

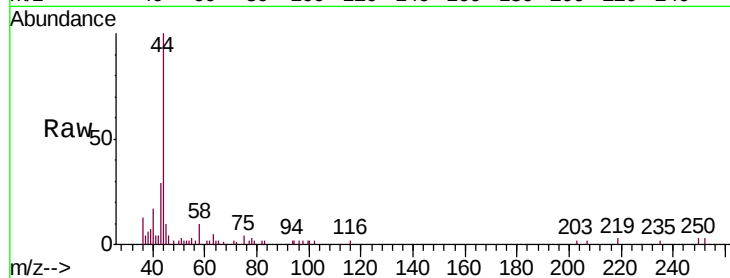
COMN2

Tgt Ion: 43 Resp: 5136

Ion Ratio Lower Upper

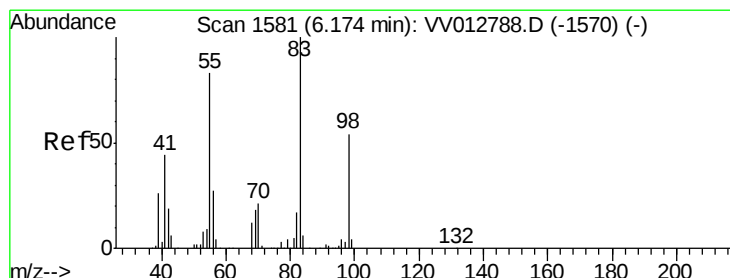
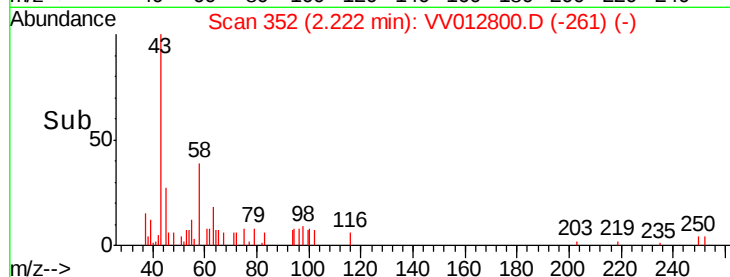
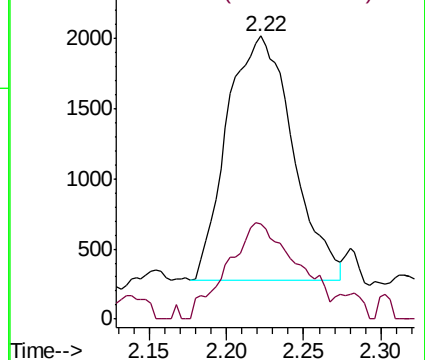
43 100

58 41.9 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#35

Methylcyclohexane

Concen: 0.953 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012800.D

Acq: 15 Sep 2019 14:21

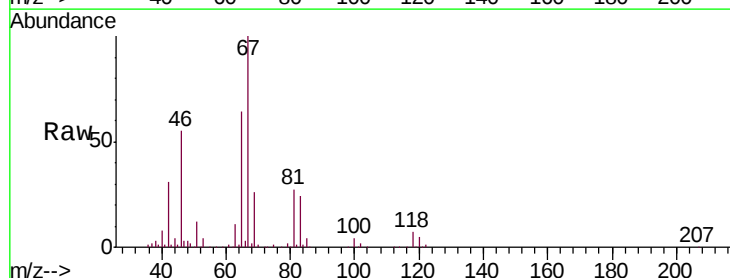
Tgt Ion: 83 Resp: 46775

Ion Ratio Lower Upper

83 100

55 0.4 63.0 94.4#

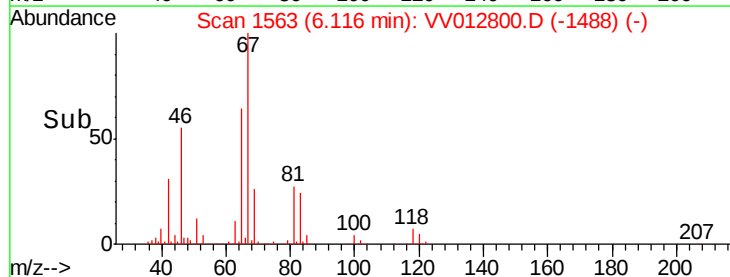
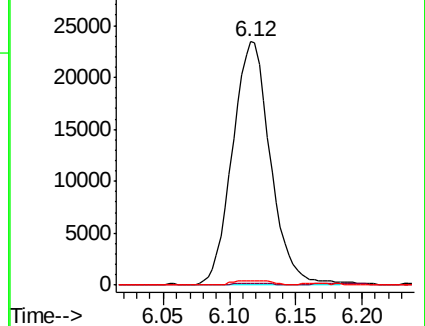
98 1.8 39.8 59.8#

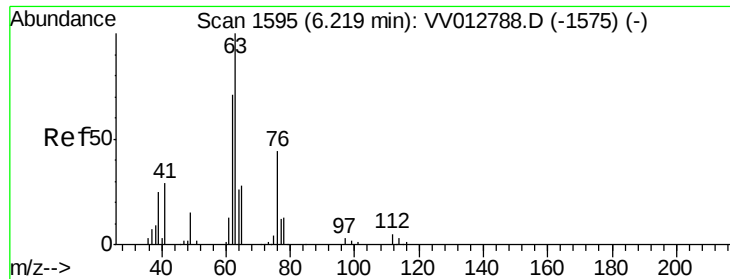


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

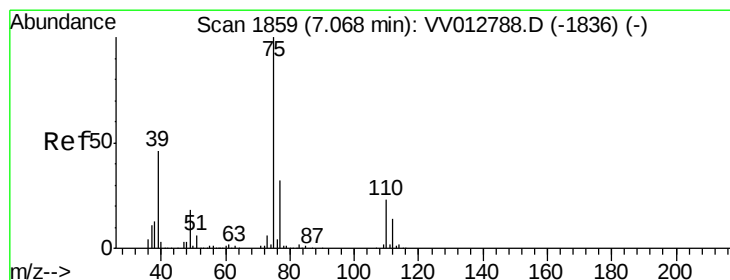
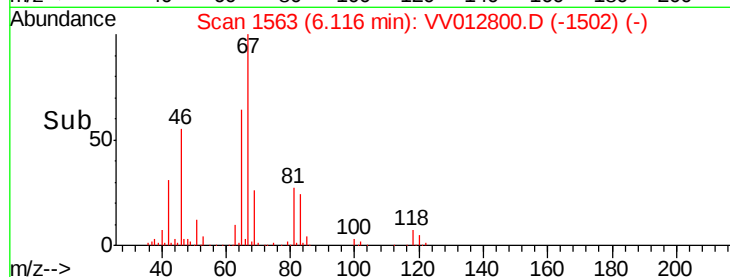
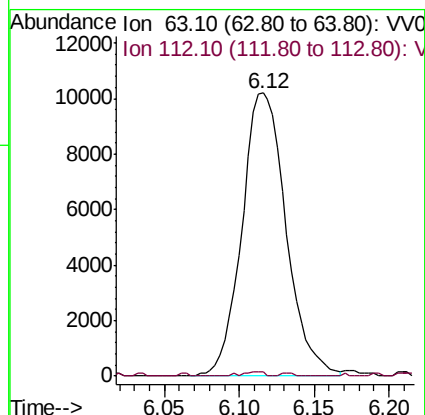
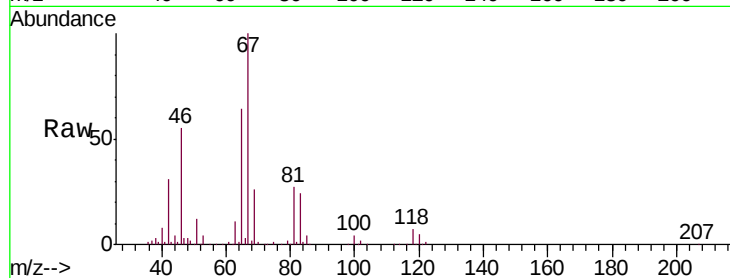




#37  
 1,2-Dichloropropane  
 Concen: 0.669 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.10 min  
 Lab File: VV012800.D  
 Acq: 15 Sep 2019 14:21

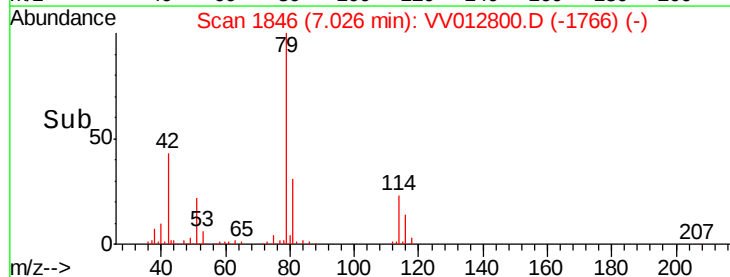
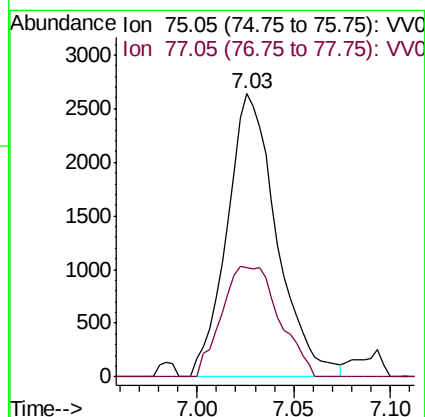
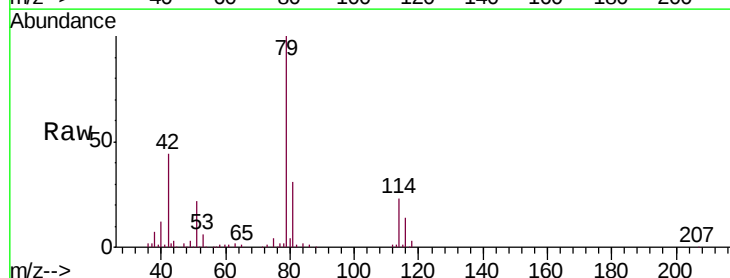
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COMN2

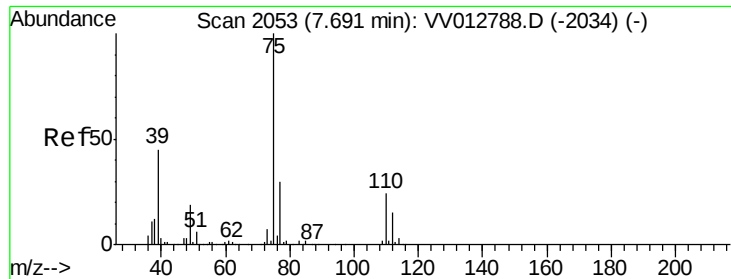
Tgt Ion: 63 Resp: 20941  
 Ion Ratio Lower Upper  
 63 100  
 112 0.6 3.8 5.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.115 ug/L  
 RT: 7.03 min Scan# 1846  
 Delta R.T. -0.04 min  
 Lab File: VV012800.D  
 Acq: 15 Sep 2019 14:21

Tgt Ion: 75 Resp: 4724  
 Ion Ratio Lower Upper  
 75 100  
 77 38.6 22.3 41.3

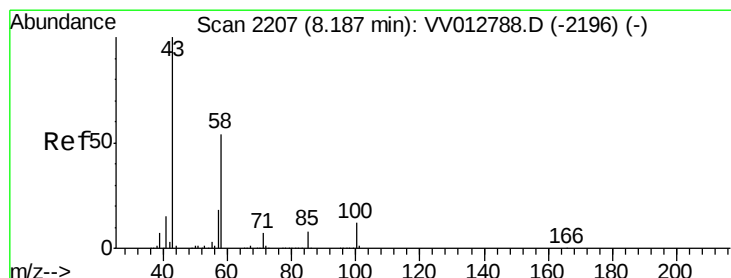
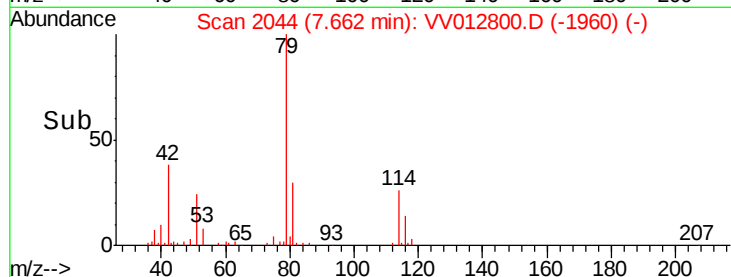
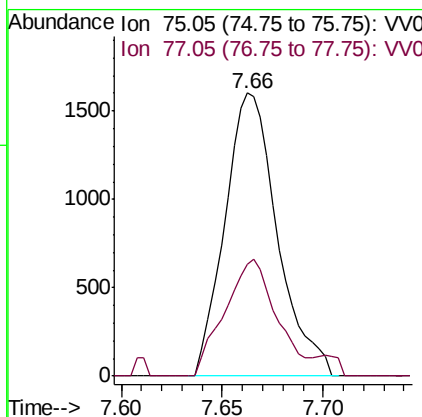
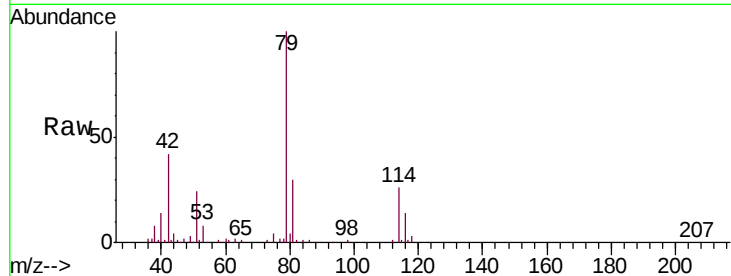




#44  
trans-1,3-Dichloropropene  
Concen: 0.094 ug/L  
RT: 7.66 min Scan# 2044  
Delta R.T. -0.03 min  
Lab File: VV012800.D  
Acq: 15 Sep 2019 14:21

Instrument :  
MSVOA\_V  
ClientSampleId :  
COMN2

Tgt Ion: 75 Resp: 2910  
Ion Ratio Lower Upper  
75 100  
77 39.7 22.4 41.6



#48  
2-Hexanone  
Concen: 5.133 ug/L  
RT: 8.19 min Scan# 2207  
Delta R.T. -0.00 min  
Lab File: VV012800.D  
Acq: 15 Sep 2019 14:21

Tgt Ion: 43 Resp: 63752  
Ion Ratio Lower Upper  
43 100  
58 44.7 44.8 67.2#  
57 17.4 14.9 22.3  
100 7.6 9.8 14.8#

