

Data File : VV012822.D  
Acq On : 16 Sep 2019 02:46  
Operator : SY/MD  
Sample : K4834-04  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0MD9

Quant Time: Sep 16 08:21:01 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR090919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Sep 16 08:14:10 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 380660   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 372538   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 124638   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 208467   | 8.07     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 161.40%# |
| 7) Chloroethane-d5             | 1.58   | 69    | 172893   | 8.10     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 162.00%# |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 251278   | 6.03     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 120.60%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 382502   | 61.56    | ug/L | -0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 123.12%  |
| 24) Chloroform-d               | 4.40   | 84    | 326691   | 6.96     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 139.20%# |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 166201   | 7.40     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 148.00%# |
| 32) Benzene-d6                 | 5.10   | 84    | 661125   | 7.43     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 148.60%# |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 203885   | 7.21     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 144.20%# |
| 41) Toluene-d8                 | 7.36   | 98    | 515825   | 6.47     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 129.40%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 59676    | 6.14     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 122.80%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 191491   | 52.05    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 110238   | 5.43     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 164686   | 7.72     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 154.40%# |

#### Target Compounds

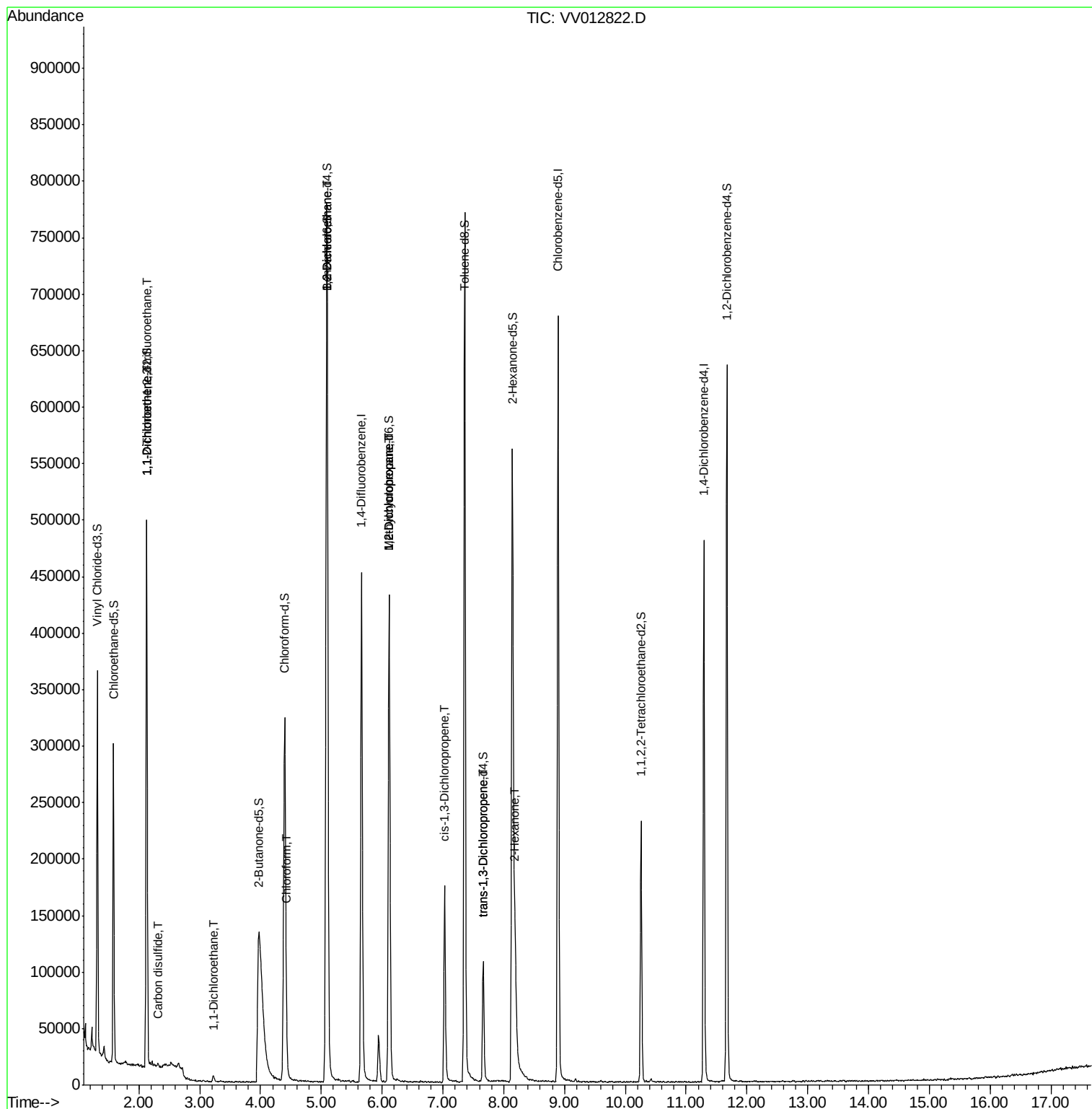
|                                |      |     |       |       |        | Qvalue |
|--------------------------------|------|-----|-------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 2494  | 0.100 | ug/L # | 18     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 2985  | 0.126 | ug/L # | 1      |
| 14) Carbon disulfide           | 2.32 | 76  | 2944  | 0.046 | ug/L # | 65     |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 5205  | 0.104 | ug/L   | 99     |
| 25) Chloroform                 | 4.43 | 83  | 9029  | 0.164 | ug/L   | 93     |
| 27) 1,2-Dichloroethane         | 5.09 | 62  | 3914  | 0.135 | ug/L   | 99     |
| 35) Methylcyclohexane          | 6.12 | 83  | 49067 | 1.154 | ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 22190 | 0.818 | ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 4247  | 0.119 | ug/L # | 67     |
| 44) trans-1,3-Dichloropropene  | 7.66 | 75  | 2682  | 0.100 | ug/L # | 73     |
| 48) 2-Hexanone                 | 8.19 | 43  | 75253 | 6.996 | ug/L # | 87     |

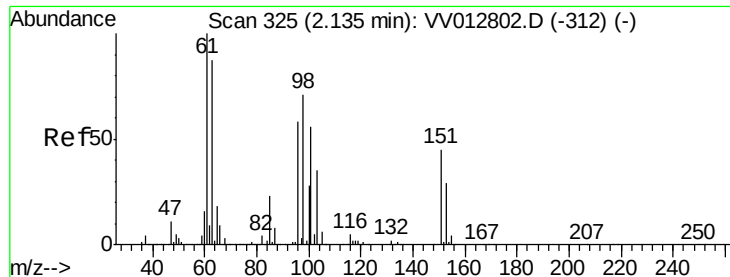
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.100 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012822.D

Acq: 16 Sep 2019 02:46

Instrument :

MSVOA\_V

ClientSampleId :

C0MD9

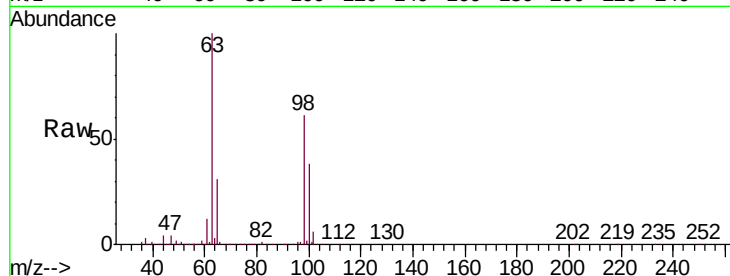
Tgt Ion: 101 Resp: 2494

Ion Ratio Lower Upper

101 100

85 1.6 33.0 49.6#

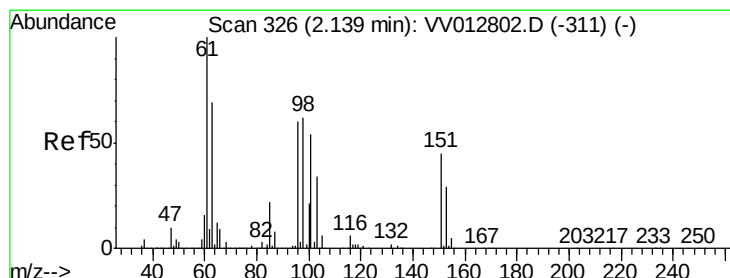
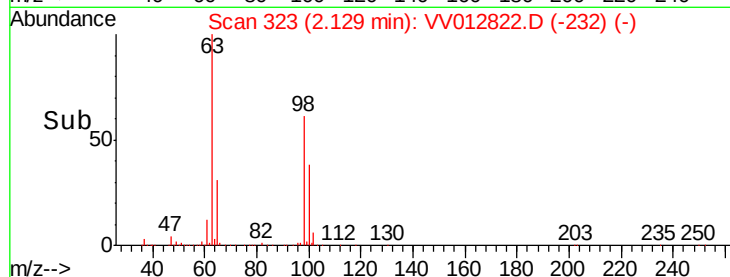
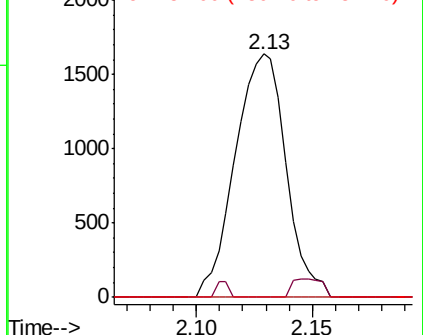
151 0.0 65.8 98.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.126 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012822.D

Acq: 16 Sep 2019 02:46

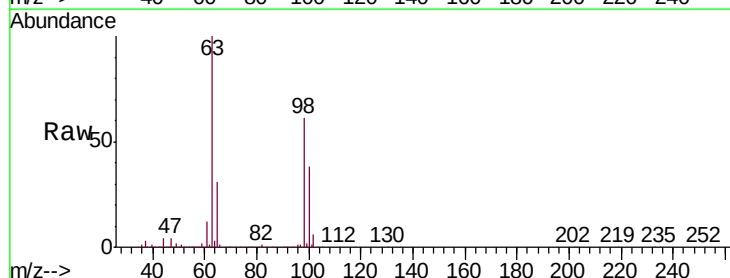
Tgt Ion: 96 Resp: 2985

Ion Ratio Lower Upper

96 100

61 1126.3 115.8 215.0#

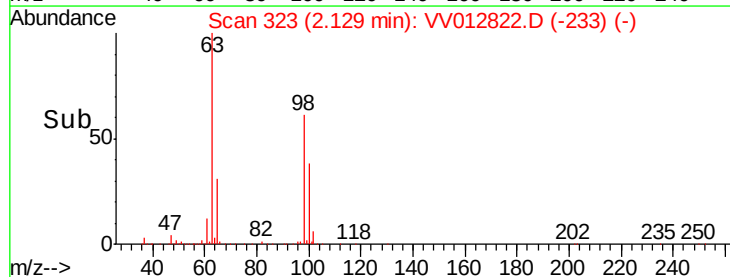
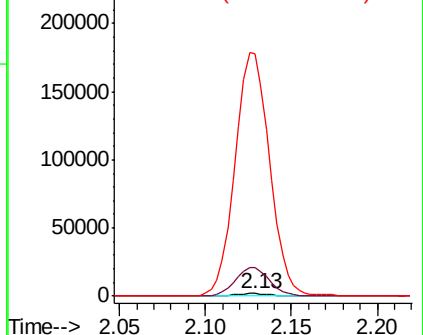
63 9736.8 79.4 147.4#

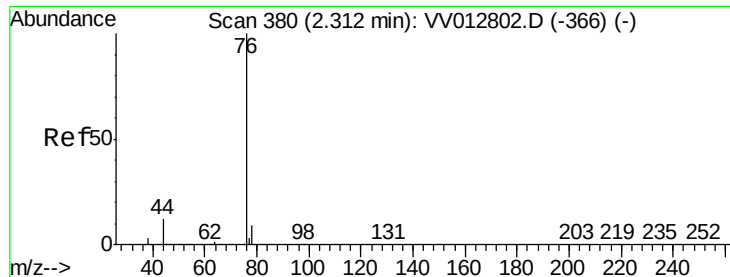


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.046 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012822.D

Acq: 16 Sep 2019 02:46

Instrument :

MSVOA\_V

ClientSampleId :

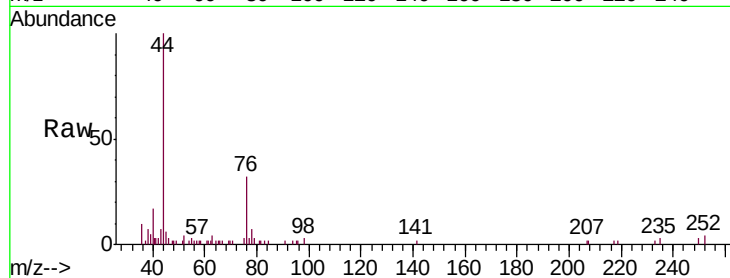
C0MD9

Tgt Ion: 76 Resp: 2944

Ion Ratio Lower Upper

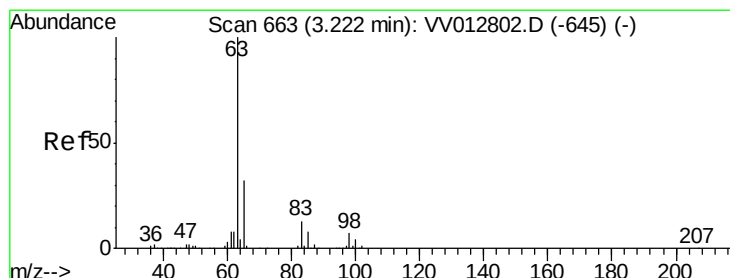
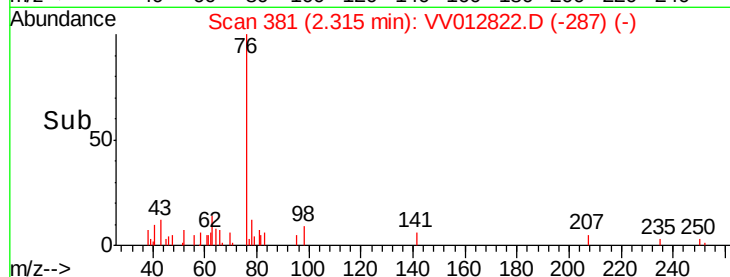
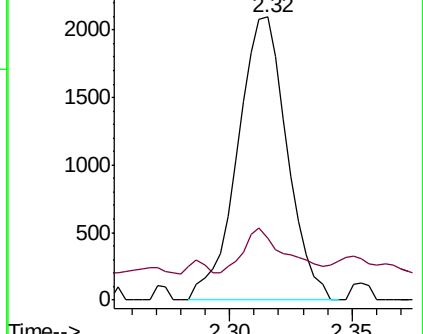
76 100

78 21.9 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#19

1,1-Dichloroethane

Concen: 0.104 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012822.D

Acq: 16 Sep 2019 02:46

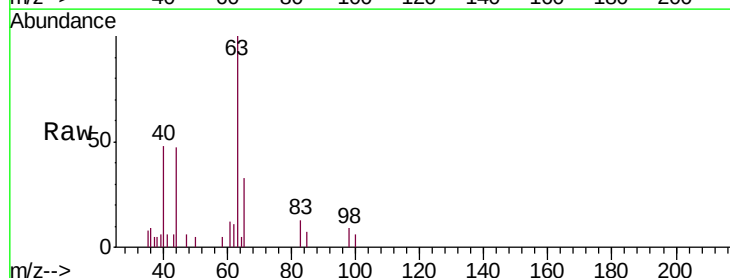
Tgt Ion: 63 Resp: 5205

Ion Ratio Lower Upper

63 100

65 33.0 22.7 42.3

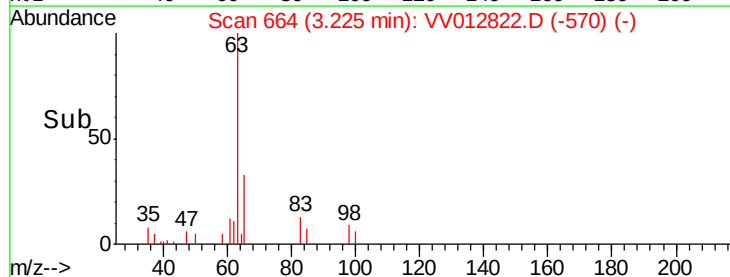
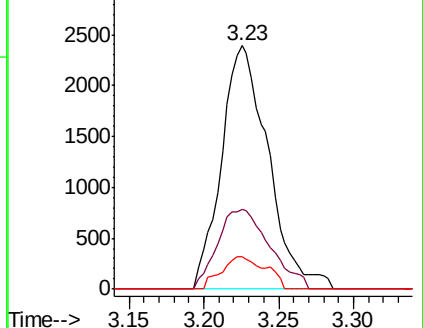
83 13.3 9.1 16.9

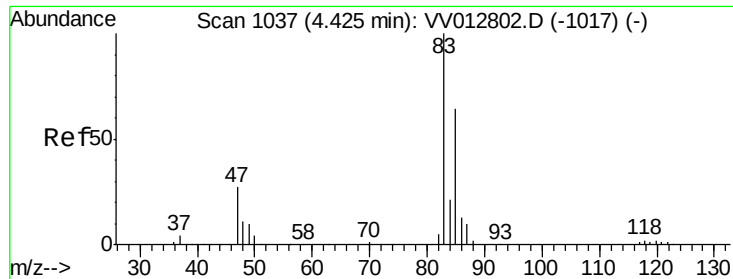


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0

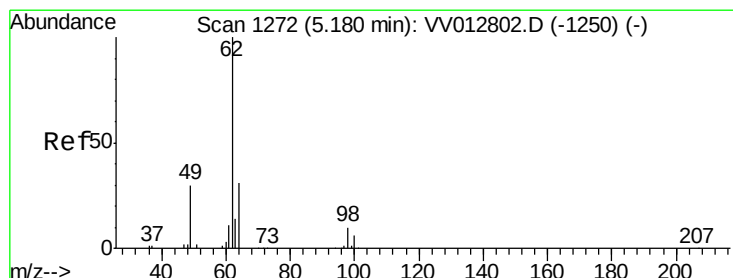
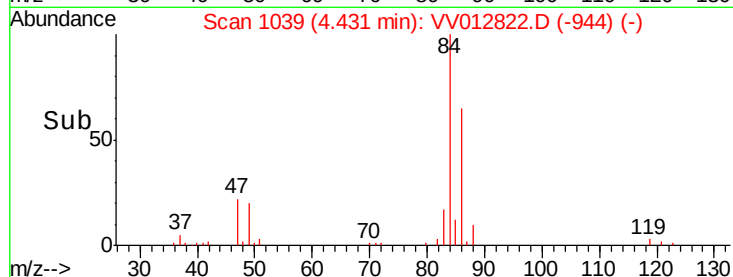
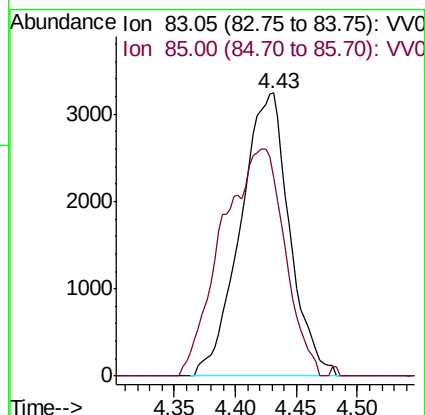
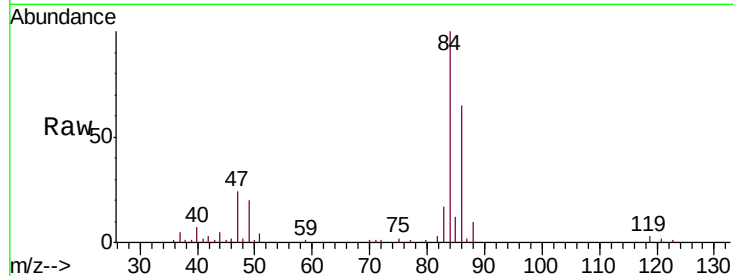




#25  
Chloroform  
Concen: 0.164 ug/L  
RT: 4.43 min Scan# 1039  
Delta R.T. 0.01 min  
Lab File: VV012822.D  
Acq: 16 Sep 2019 02:46

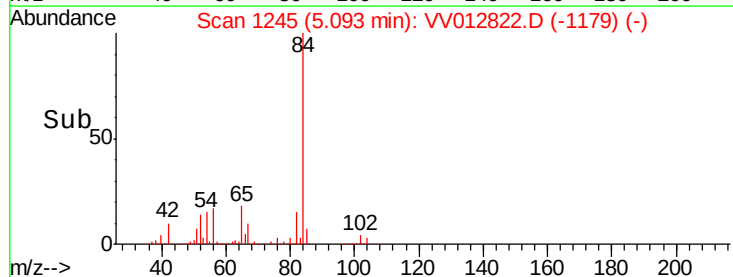
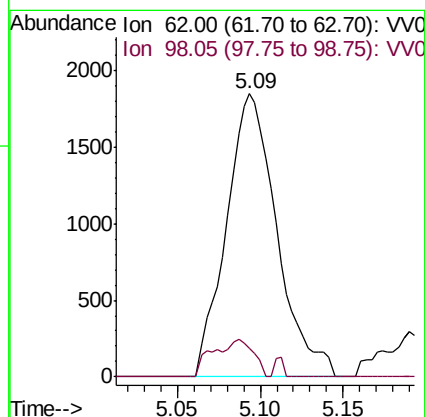
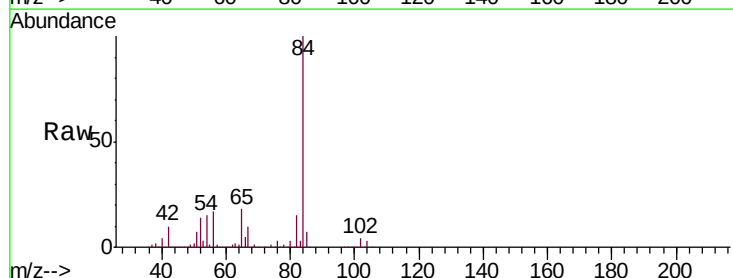
Instrument :  
MSVOA\_V  
ClientSampled :  
C0MD9

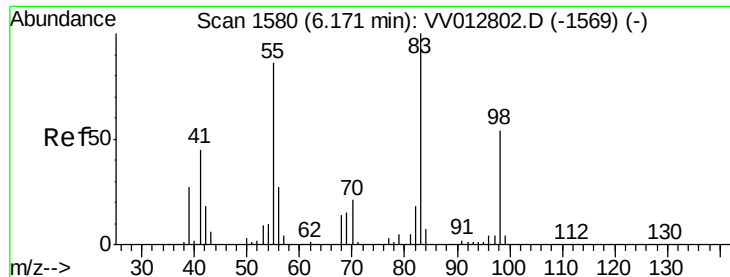
Tgt Ion: 83 Resp: 9029  
Ion Ratio Lower Upper  
83 100  
85 70.4 45.3 84.1



#27  
1,2-Dichloroethane  
Concen: 0.135 ug/L  
RT: 5.09 min Scan# 1245  
Delta R.T. -0.09 min  
Lab File: VV012822.D  
Acq: 16 Sep 2019 02:46

Tgt Ion: 62 Resp: 3914  
Ion Ratio Lower Upper  
62 100  
98 10.3 8.4 12.6

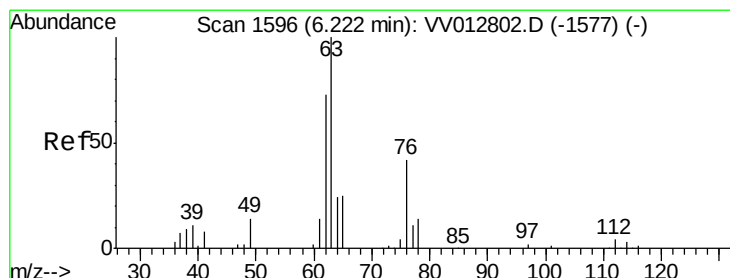
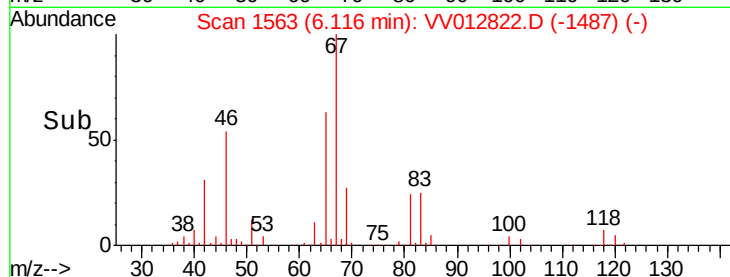
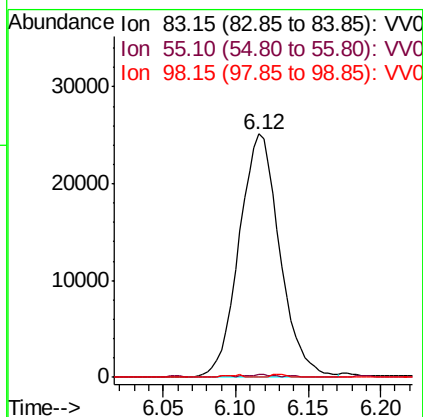
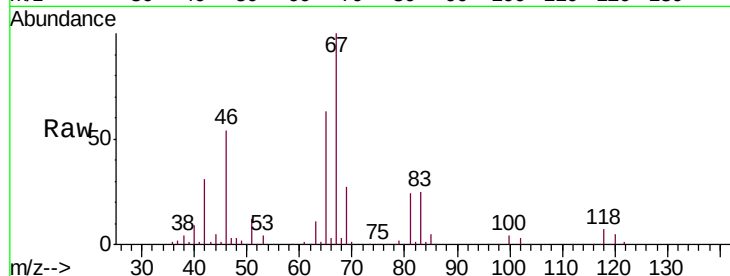




#35  
Methylcyclohexane  
Concen: 1.154 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.05 min  
Lab File: VV012822.D  
Acq: 16 Sep 2019 02:46

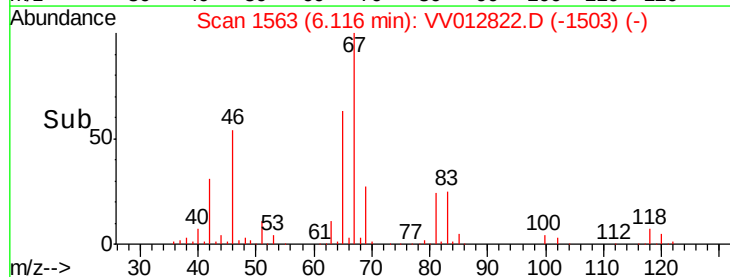
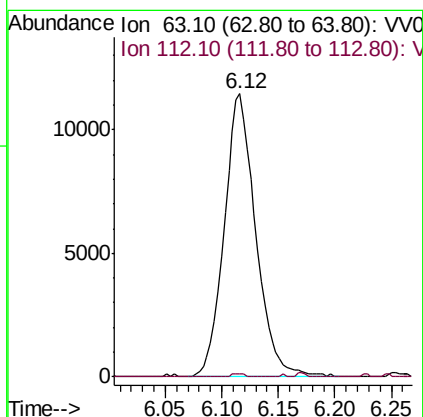
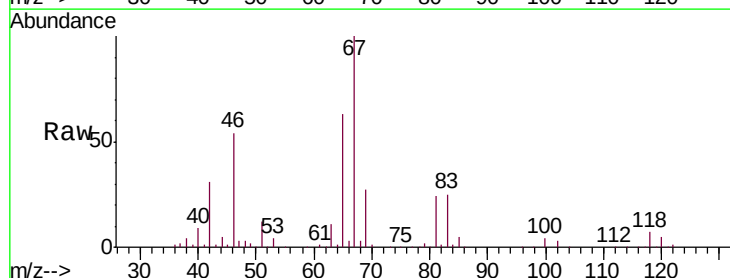
Instrument :  
MSVOA\_V  
ClientSampleId :  
COMD9

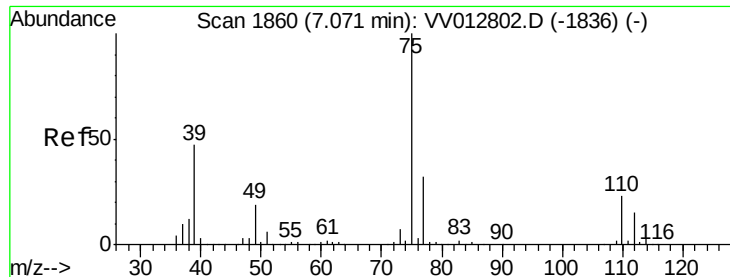
Tgt Ion: 83 Resp: 49067  
Ion Ratio Lower Upper  
83 100  
55 0.7 63.0 94.4#  
98 0.0 39.8 59.8#



#37  
1,2-Dichloropropane  
Concen: 0.818 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.11 min  
Lab File: VV012822.D  
Acq: 16 Sep 2019 02:46

Tgt Ion: 63 Resp: 22190  
Ion Ratio Lower Upper  
63 100  
112 0.5 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV012822.D

Acq: 16 Sep 2019 02:46

Instrument :

MSVOA\_V

ClientSampled :

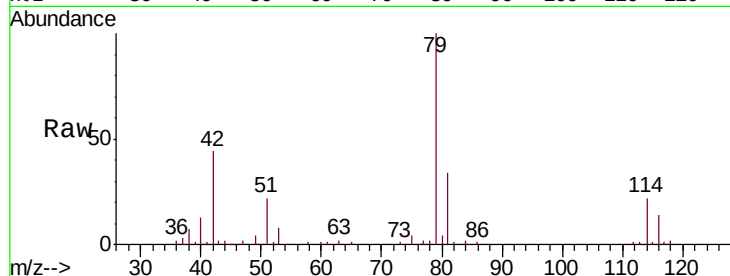
C0MD9

Tgt Ion: 75 Resp: 4247

Ion Ratio Lower Upper

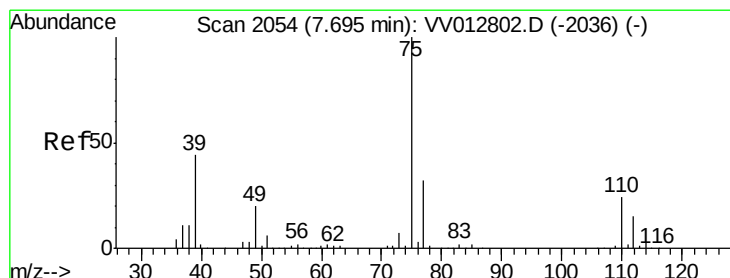
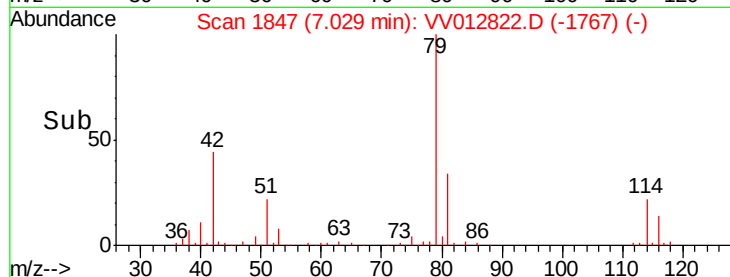
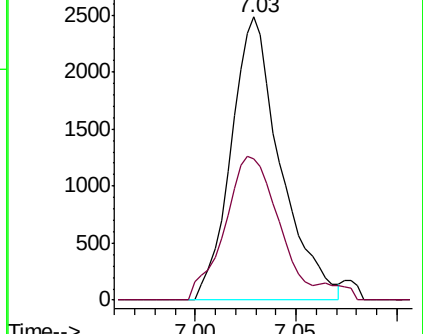
75 100

77 50.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012822.D

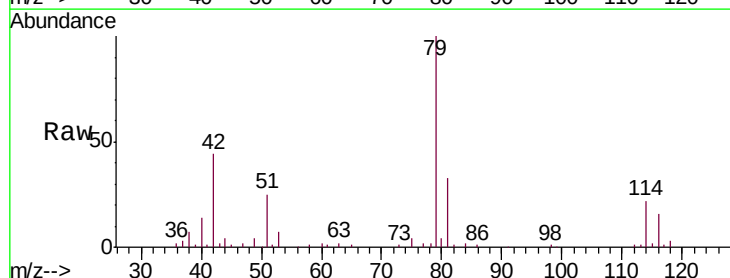
Acq: 16 Sep 2019 02:46

Tgt Ion: 75 Resp: 2682

Ion Ratio Lower Upper

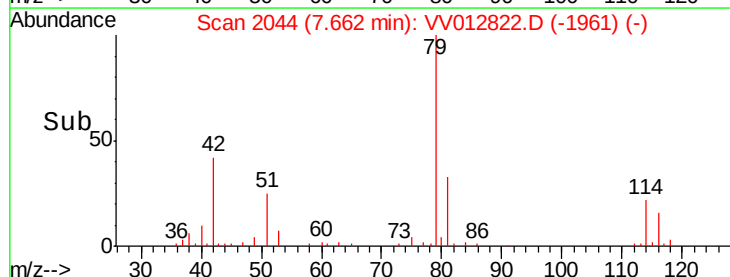
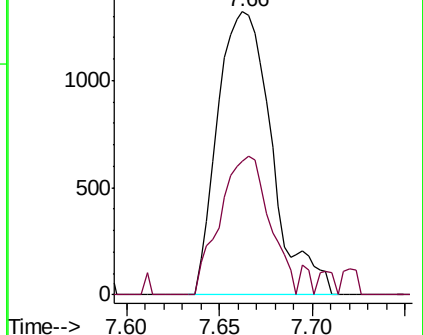
75 100

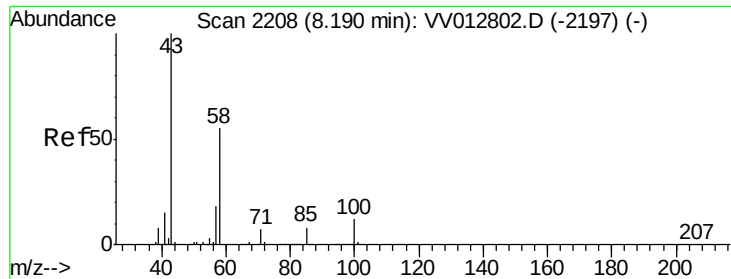
77 47.3 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#48

2-Hexanone

Concen: 6.996 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VV012822.D

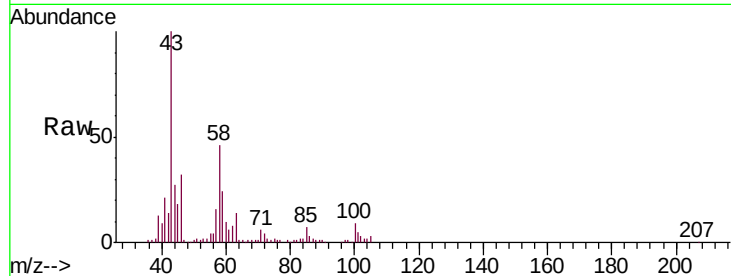
Acq: 16 Sep 2019 02:46

Instrument :

MSVOA\_V

ClientSampleId :

C0MD9



Tgt Ion: 43 Resp: 75253

Ion Ratio Lower Upper

43 100

58 44.8 44.8 67.2

57 15.8 14.9 22.3

100 7.8 9.8 14.8#

