

Data File : VV012877.D  
Acq On : 17 Sep 2019 21:33  
Operator : SY/MD  
Sample : K4892-06  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
COMR5

Quant Time: Sep 18 01:13:17 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Sep 18 01:09:35 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 382136   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 375180   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 137986   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 192146   | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 156243   | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 238383   | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 85.40%  |
| 20) 2-Butanone-d5              | 3.98   | 46    | 422367   | 53.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.66% |
| 24) Chloroform-d               | 4.40   | 84    | 318029   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.00% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 166692   | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 110.60% |
| 32) Benzene-d6                 | 5.09   | 84    | 654167   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.20% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 204817   | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 108.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 527011   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 66868    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 304230   | 53.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 106.36% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 148899   | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 175024   | 5.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 117.40% |

#### Target Compounds

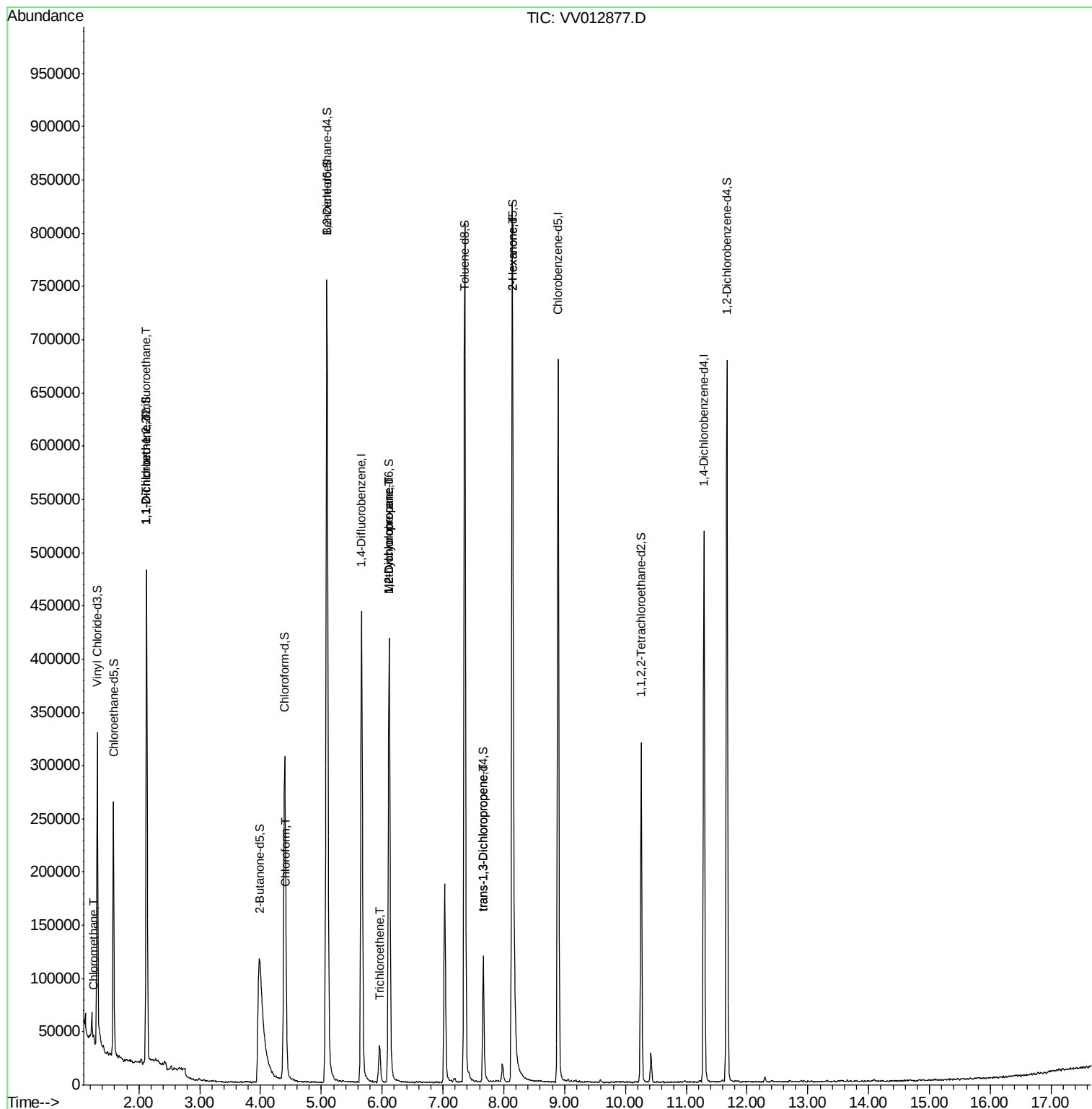
|                                |      |     |       |       |        | Qvalue |
|--------------------------------|------|-----|-------|-------|--------|--------|
| 3) Chloromethane               | 1.26 | 50  | 5217  | 0.196 | ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 2413  | 0.107 | ug/L # | 29     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 2818  | 0.138 | ug/L # | 1      |
| 25) Chloroform                 | 4.43 | 83  | 9163  | 0.173 | ug/L   | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 11463 | 0.457 | ug/L   | 93     |
| 35) Methylcyclohexane          | 6.12 | 83  | 47419 | 1.409 | ug/L # | 18     |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 22619 | 0.853 | ug/L # | 87     |
| 44) trans-1,3-Dichloropropene  | 7.66 | 75  | 3073  | 0.109 | ug/L   | 95     |
| 48) 2-Hexanone                 | 8.14 | 43  | 46175 | 3.741 | ug/L # | 82     |

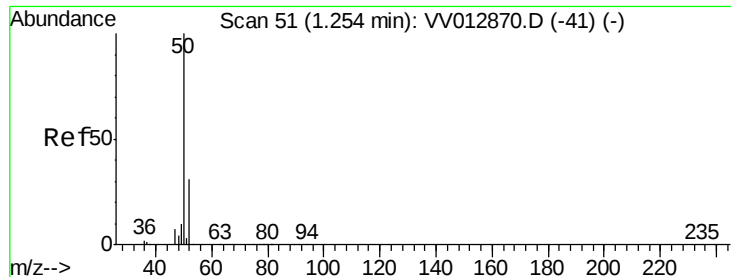
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.196 ug/L

RT: 1.26 min Scan# 54

Delta R.T. 0.01 min

Lab File: VV012877.D

Acq: 17 Sep 2019 21:33

Instrument :

MSVOA\_V

ClientSampleId :

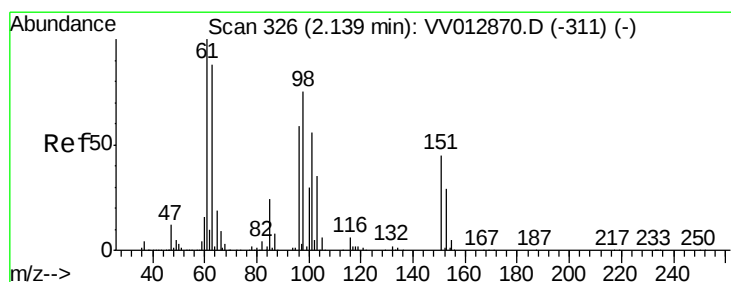
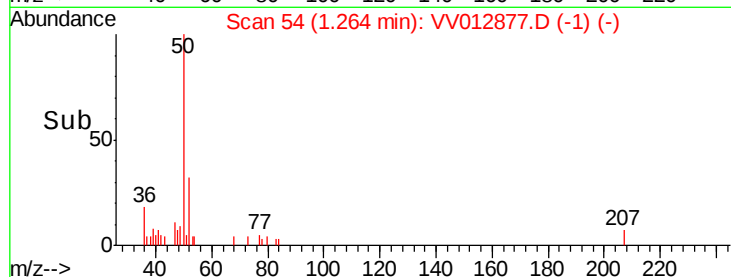
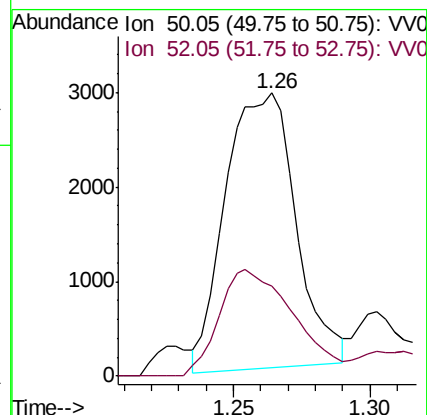
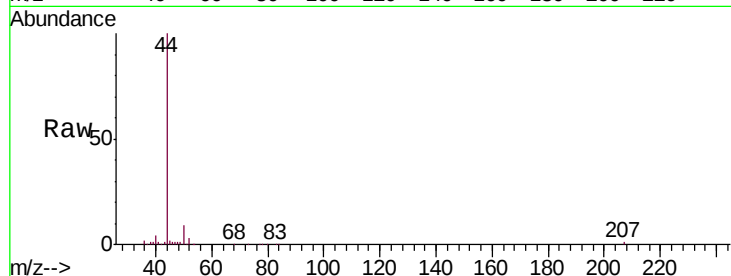
C0MR5

Tgt Ion: 50 Resp: 5217

Ion Ratio Lower Upper

50 100

52 32.0 22.8 42.4



#10

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

Concen: 0.107 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012877.D

Acq: 17 Sep 2019 21:33

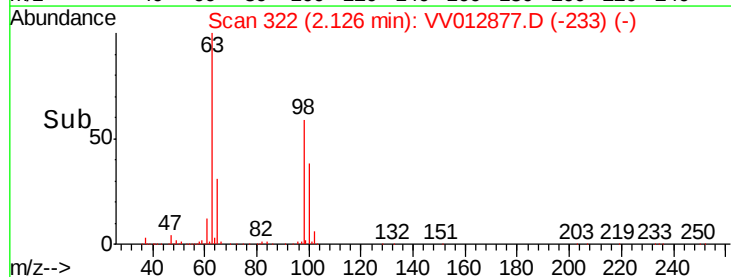
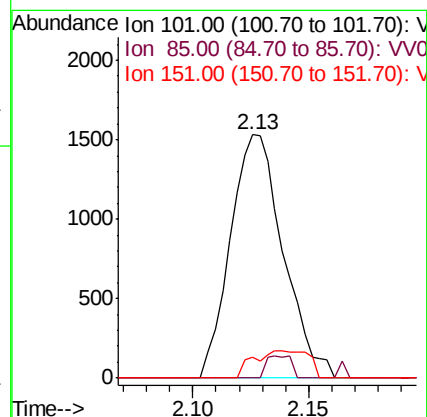
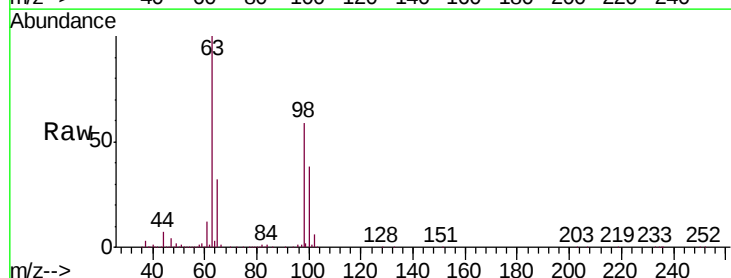
Tgt Ion: 101 Resp: 2413

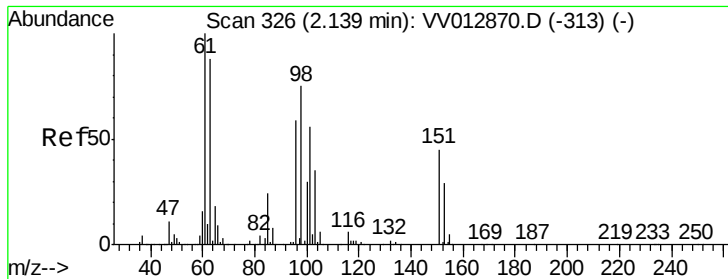
Ion Ratio Lower Upper

101 100

85 4.3 33.5 50.3#

151 11.7 64.0 96.0#





#12

1,1-Dichloroethene

Concen: 0.138 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012877.D

Acq: 17 Sep 2019 21:33

Instrument :

MSVOA\_V

ClientSampled :

C0MR5

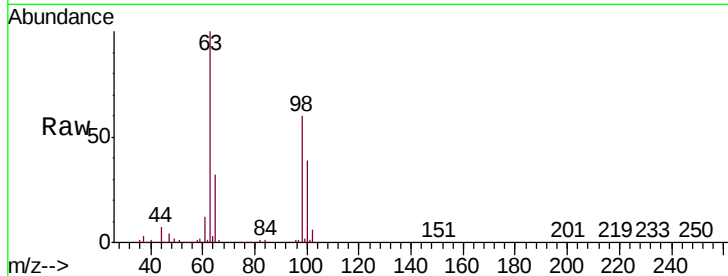
Tgt Ion: 96 Resp: 2818

Ion Ratio Lower Upper

96 100

61 1172.2 116.1 215.5#

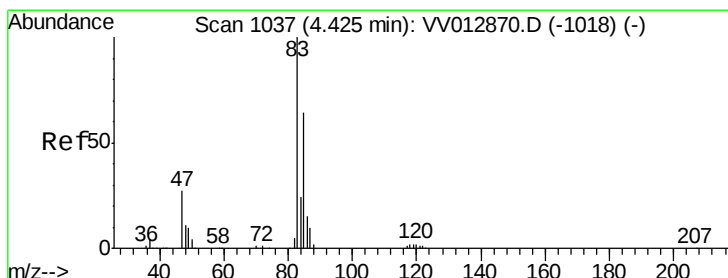
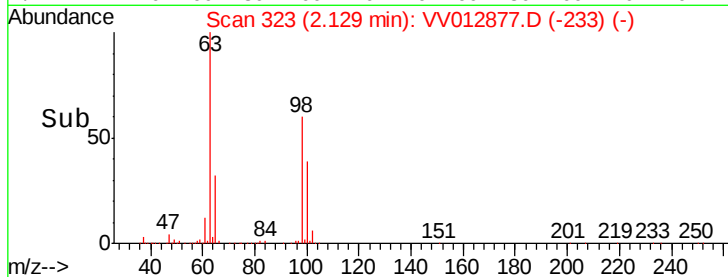
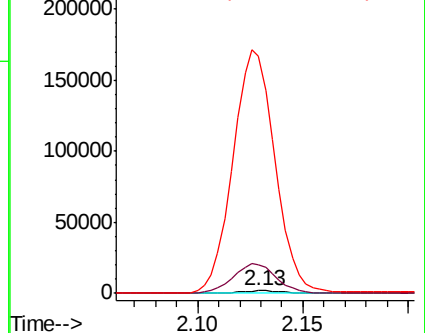
63 9501.5 113.3 210.3#



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



#25

Chloroform

Concen: 0.173 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012877.D

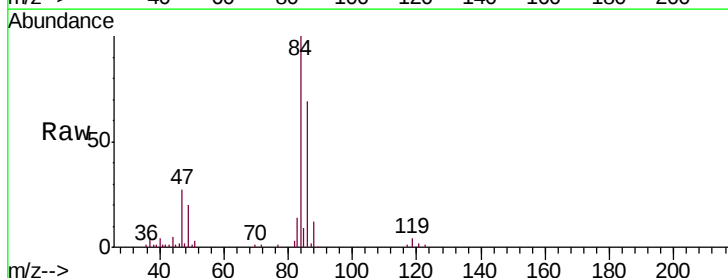
Acq: 17 Sep 2019 21:33

Tgt Ion: 83 Resp: 9163

Ion Ratio Lower Upper

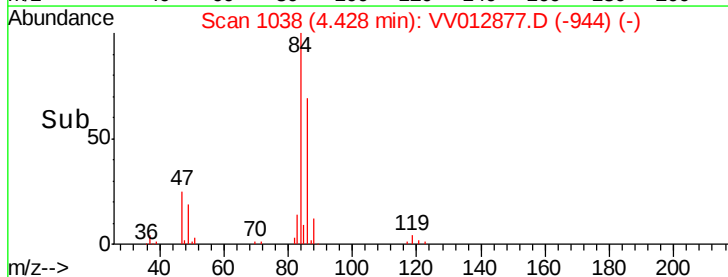
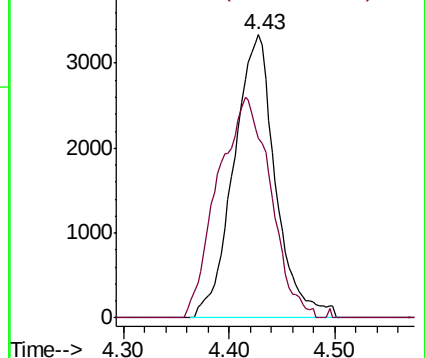
83 100

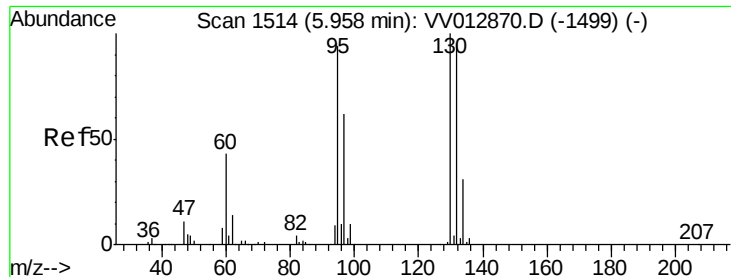
85 63.3 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

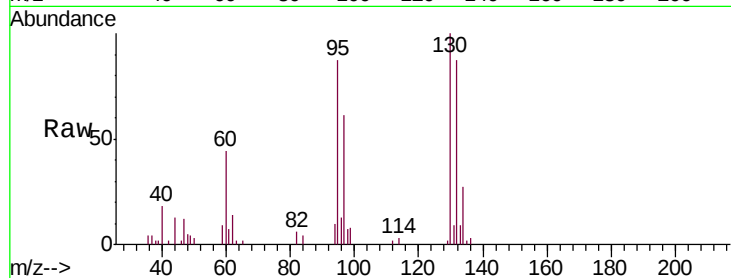




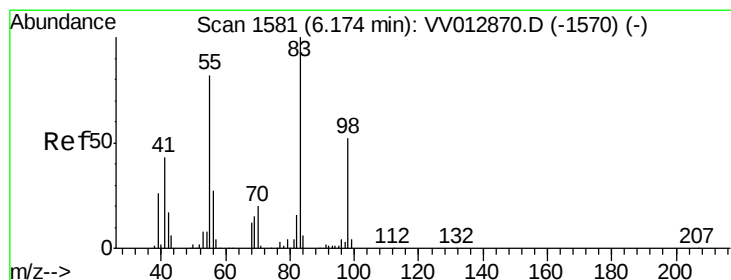
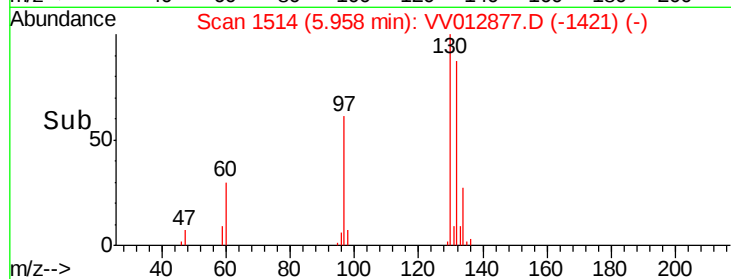
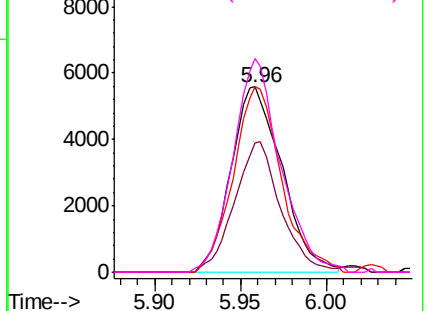
#34  
 Trichloroethene  
 Concen: 0.457 ug/L  
 RT: 5.96 min Scan# 1514  
 Delta R.T. 0.00 min  
 Lab File: VV012877.D  
 Acq: 17 Sep 2019 21:33

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0MR5

Tgt Ion: 95 Resp: 11463  
 Ion Ratio Lower Upper  
 95 100  
 97 70.0 45.3 84.1  
 132 100.0 70.6 131.0  
 130 115.4 71.8 133.4

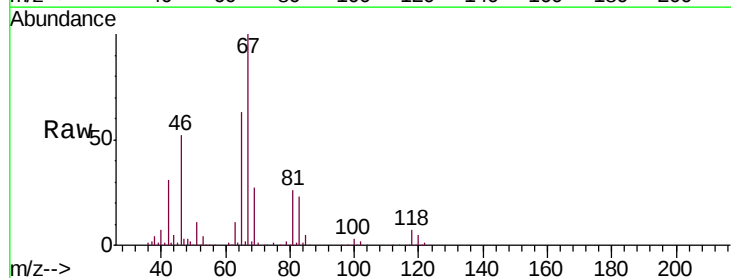


Abundance Ion 95.00 (94.70 to 95.70): VV0  
 Ion 96.95 (96.65 to 97.65): VV0  
 Ion 131.95 (131.65 to 132.65): VV0  
 Ion 129.95 (129.65 to 130.65): VV0

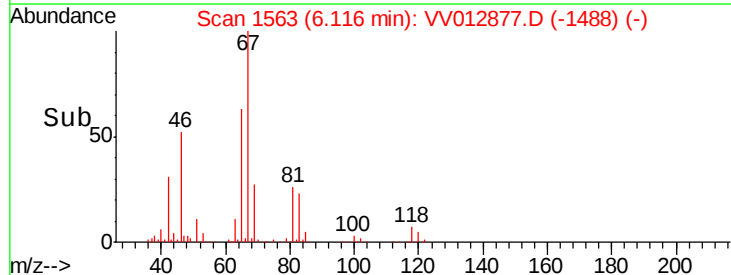
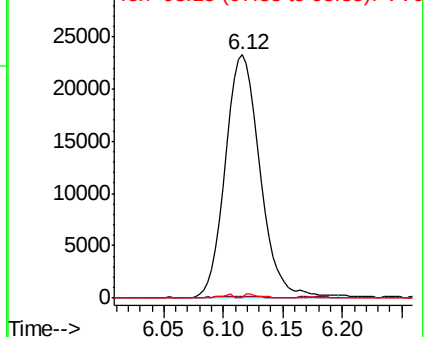


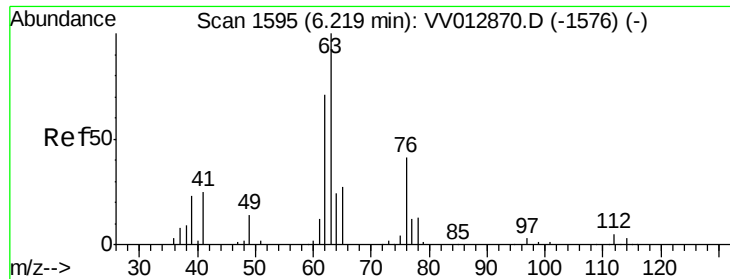
#35  
 Methylcyclohexane  
 Concen: 1.409 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.06 min  
 Lab File: VV012877.D  
 Acq: 17 Sep 2019 21:33

Tgt Ion: 83 Resp: 47419  
 Ion Ratio Lower Upper  
 83 100  
 55 0.4 63.8 95.6#  
 98 0.7 38.2 57.4#



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

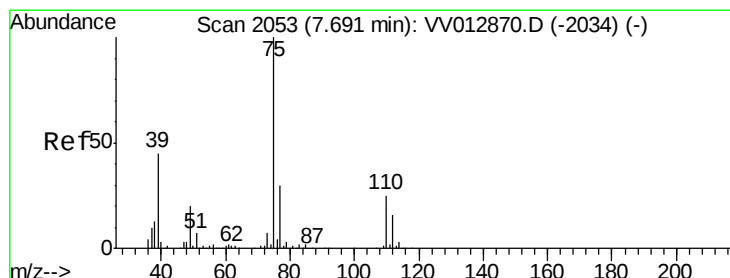
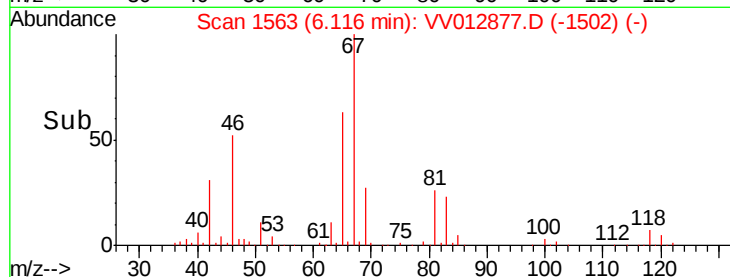
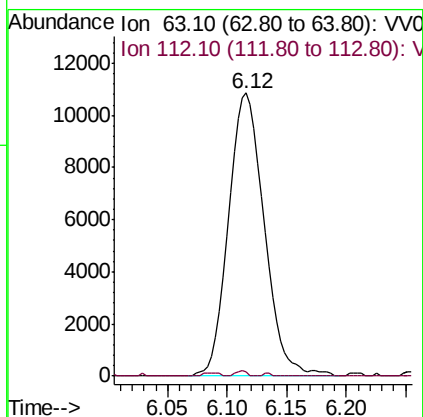
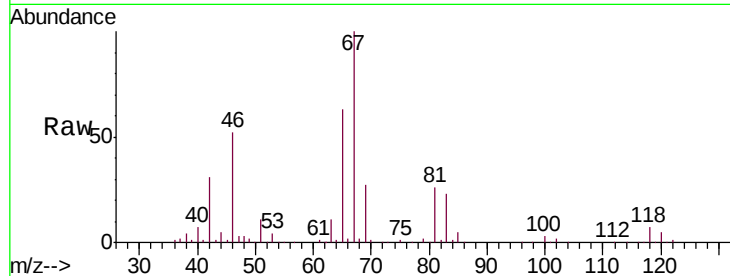




#37  
 1,2-Dichloropropane  
 Concen: 0.853 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.10 min  
 Lab File: VV012877.D  
 Acq: 17 Sep 2019 21:33

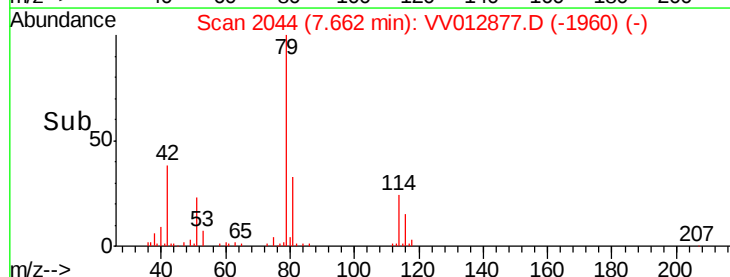
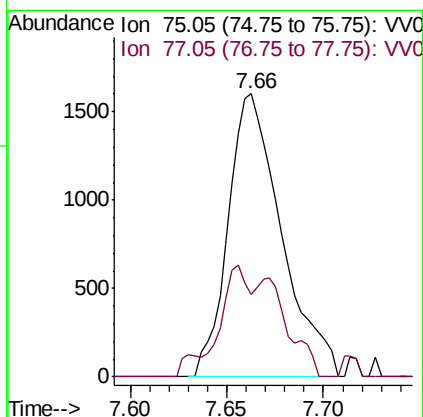
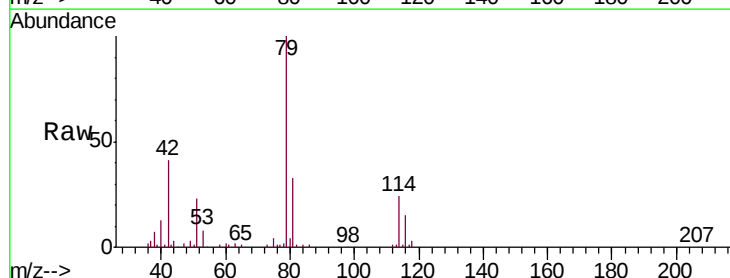
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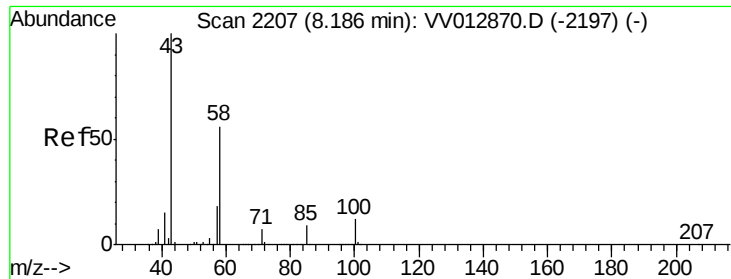
Tgt Ion: 63 Resp: 22619  
 Ion Ratio Lower Upper  
 63 100  
 112 0.5 3.8 5.6#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.109 ug/L  
 RT: 7.66 min Scan# 2044  
 Delta R.T. -0.03 min  
 Lab File: VV012877.D  
 Acq: 17 Sep 2019 21:33

Tgt Ion: 75 Resp: 3073  
 Ion Ratio Lower Upper  
 75 100  
 77 29.3 22.5 41.7





#48  
 2-Hexanone  
 Concen: 3.741 ug/L  
 RT: 8.14 min Scan# 2193  
 Delta R.T. -0.04 min  
 Lab File: VV012877.D  
 Acq: 17 Sep 2019 21:33

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0MR5

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 46175 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 46.2  | 44.5  | 66.7  |
| 57       | 31.5  | 15.0  | 22.6# |
| 100      | 3.6   | 9.7   | 14.5# |

