

Data File : VV012614.D  
Acq On : 06 Sep 2019 22:39  
Operator : SY/MD  
Sample : K4685-02DL 5X  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFD71DL

Quant Time: Sep 07 01:13:37 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR090519WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Sep 07 01:06:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 150277   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 154159   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 51988    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 62011    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 62446    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 100618   | 3.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.00%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 144340   | 52.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.32% |
| 24) Chloroform-d               | 4.40   | 84    | 103926   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 58877    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.40% |
| 32) Benzene-d6                 | 5.10   | 84    | 183447   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 62664    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 138239   | 4.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.20%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 18760    | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 78076    | 46.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 92.94%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 41502    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 46593    | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.40% |

#### Target Compounds

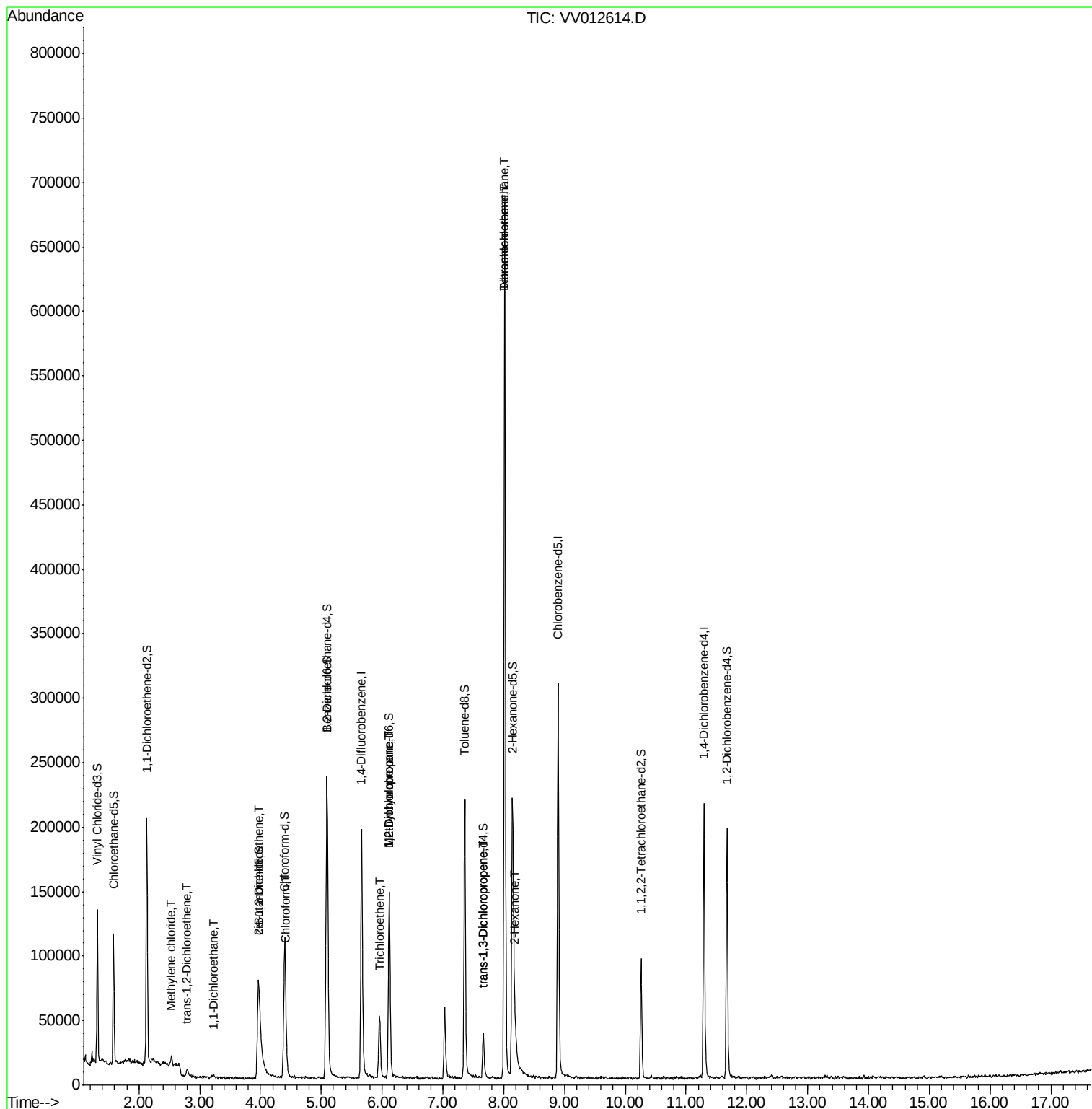
|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 16) Methylene chloride        | 2.53 | 84  | 2971   | 0.143  | ug/L   | 94     |
| 18) trans-1,2-Dichloroethene  | 2.78 | 96  | 1653   | 0.116  | ug/L # | 74     |
| 19) 1,1-Dichloroethane        | 3.23 | 63  | 2274   | 0.083  | ug/L   | 97     |
| 22) cis-1,2-Dichloroethene    | 3.96 | 96  | 11961  | 0.850  | ug/L   | 93     |
| 25) Chloroform                | 4.42 | 83  | 4241   | 0.143  | ug/L   | 98     |
| 34) Trichloroethene           | 5.96 | 95  | 14785  | 0.951  | ug/L   | 98     |
| 35) Methylcyclohexane         | 6.12 | 83  | 15068  | 0.649  | ug/L # | 15     |
| 37) 1,2-Dichloropropane       | 6.12 | 63  | 8198   | 0.560  | ug/L # | 88     |
| 44) trans-1,3-Dichloropropene | 7.66 | 75  | 1047   | 0.071  | ug/L   | 91     |
| 47) Tetrachloroethene         | 8.02 | 164 | 136671 | 12.059 | ug/L   | 98     |
| 48) 2-Hexanone                | 8.19 | 43  | 14216  | 2.310  | ug/L # | 89     |
| 49) Dibromochloromethane      | 8.02 | 129 | 125521 | 11.168 | ug/L # | 12     |

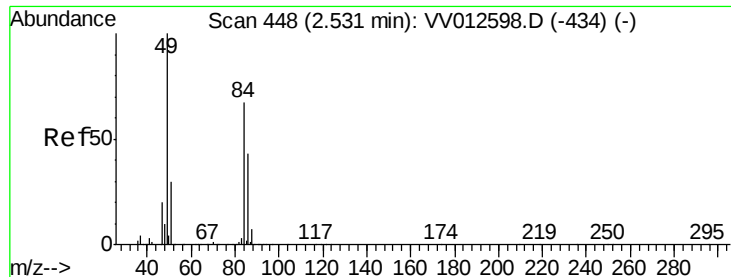
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Sep 07 01:06:07 2019  
Response via : Initial Calibration

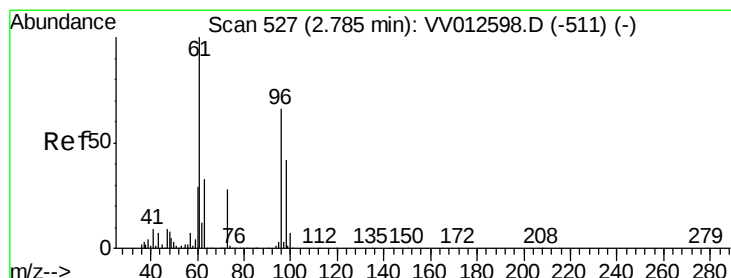
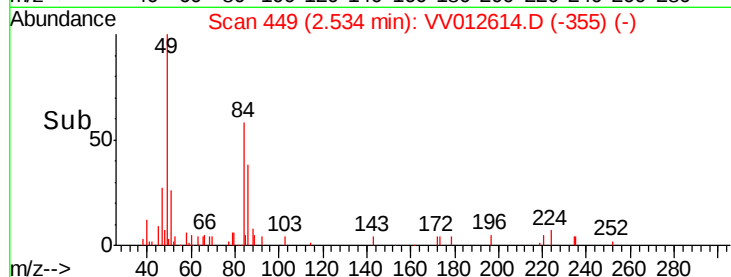
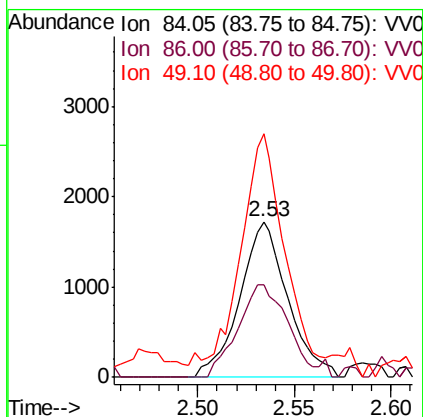
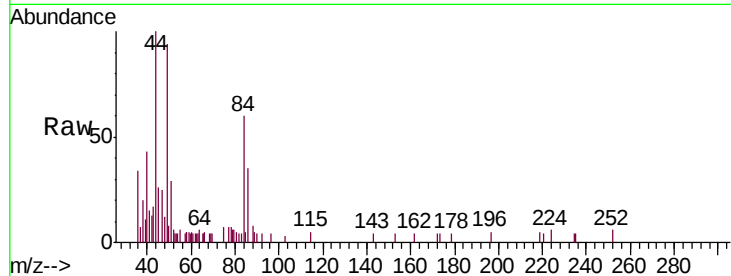




#16  
Methylene chloride  
Concen: 0.143 ug/L  
RT: 2.53 min Scan# 449  
Delta R.T. 0.00 min  
Lab File: VV012614.D  
Acq: 06 Sep 2019 22:39

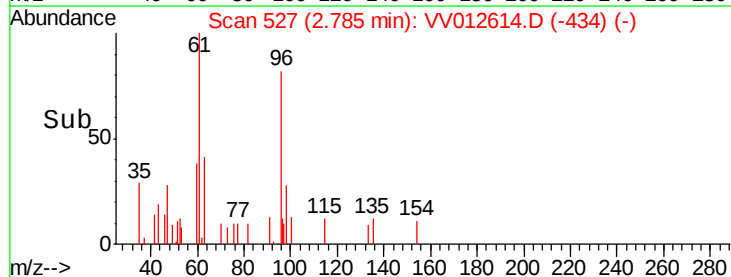
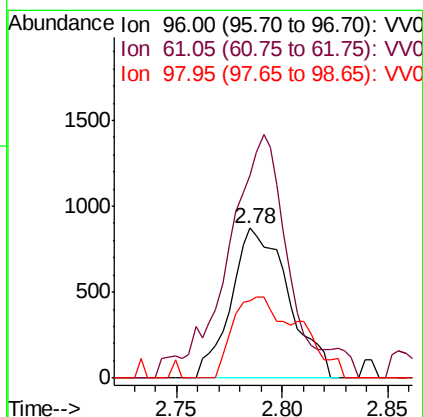
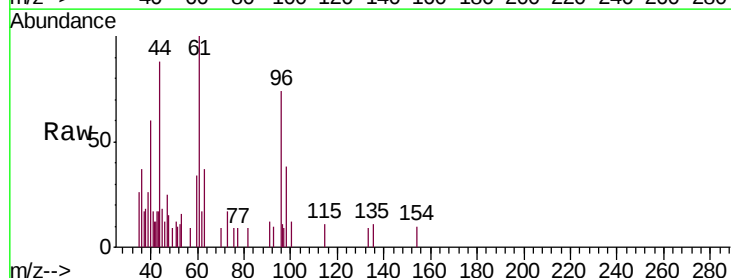
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFD71DL

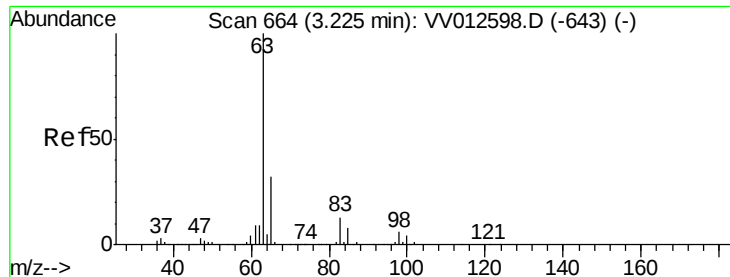
Tgt Ion: 84 Resp: 2971  
Ion Ratio Lower Upper  
84 100  
86 59.2 43.6 81.0  
49 156.4 103.0 191.2



#18  
trans-1,2-Dichloroethene  
Concen: 0.116 ug/L  
RT: 2.78 min Scan# 527  
Delta R.T. -0.00 min  
Lab File: VV012614.D  
Acq: 06 Sep 2019 22:39

Tgt Ion: 96 Resp: 1653  
Ion Ratio Lower Upper  
96 100  
61 117.8 105.6 196.0  
98 45.1 45.2 84.0#

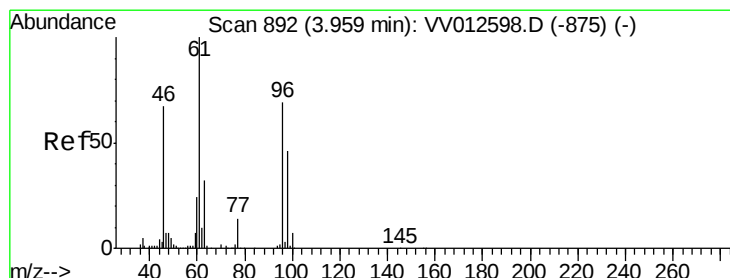
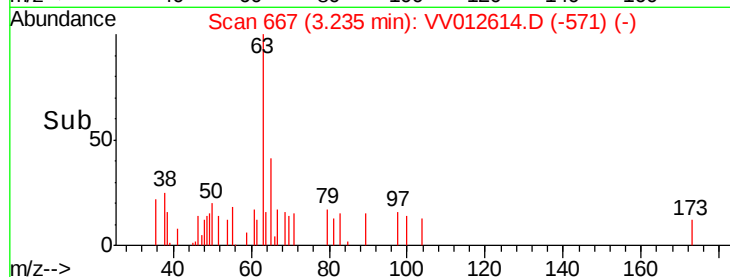
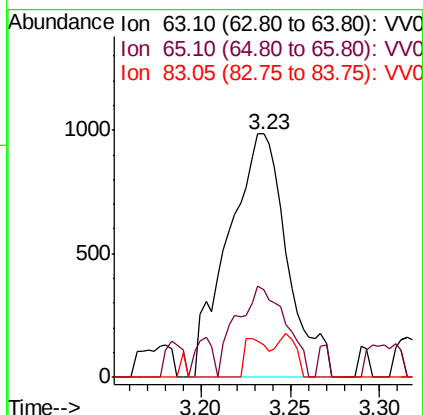
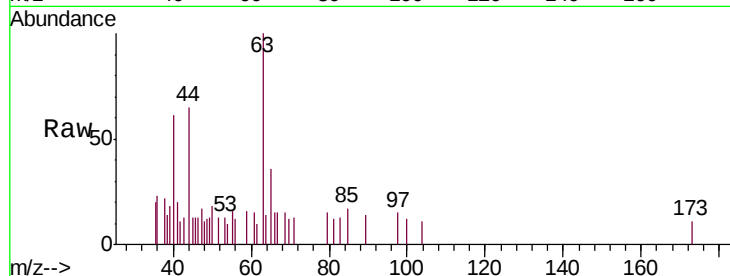




#19  
 1,1-Dichloroethane  
 Concen: 0.083 ug/L  
 RT: 3.23 min Scan# 667  
 Delta R.T. 0.01 min  
 Lab File: VV012614.D  
 Acq: 06 Sep 2019 22:39

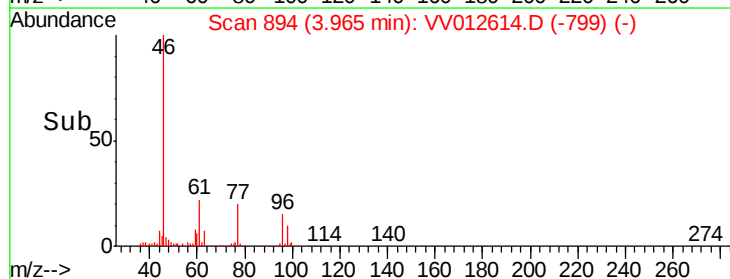
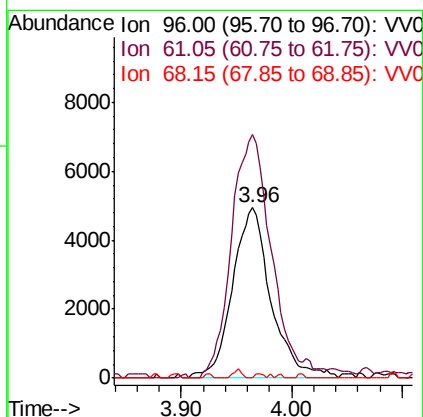
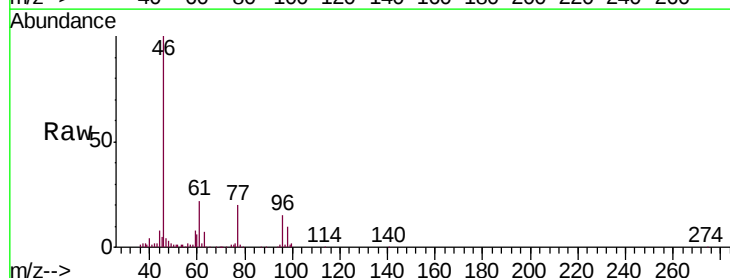
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFD71DL

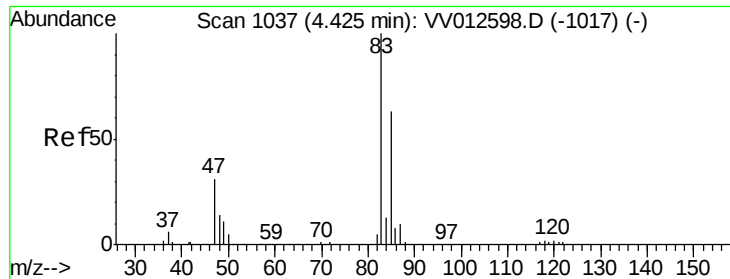
Tgt Ion: 63 Resp: 2274  
 Ion Ratio Lower Upper  
 63 100  
 65 31.6 20.9 38.9  
 83 11.6 8.8 16.3



#22  
 cis-1,2-Dichloroethene  
 Concen: 0.850 ug/L  
 RT: 3.96 min Scan# 894  
 Delta R.T. 0.01 min  
 Lab File: VV012614.D  
 Acq: 06 Sep 2019 22:39

Tgt Ion: 96 Resp: 11961  
 Ion Ratio Lower Upper  
 96 100  
 61 142.8 93.9 174.5  
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.143 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV012614.D

Acq: 06 Sep 2019 22:39

Instrument :

MSVOA\_V

ClientSampleId :

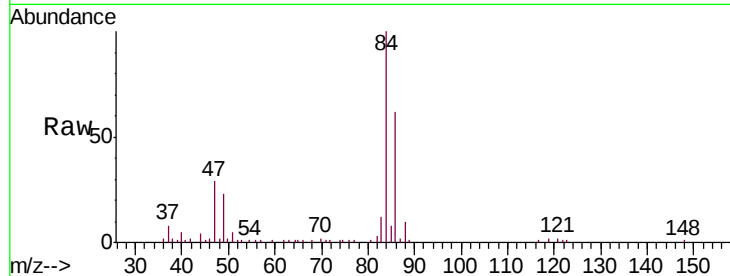
BFD71DL

Tgt Ion: 83 Resp: 4241

Ion Ratio Lower Upper

83 100

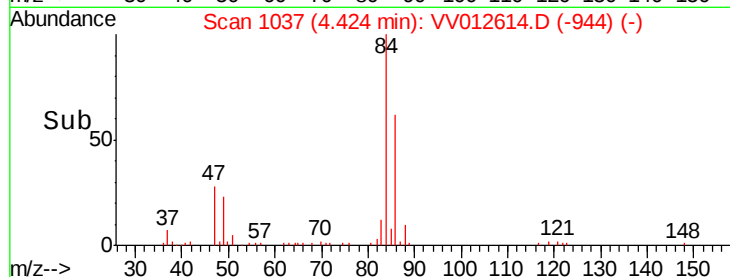
85 65.0 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV012598.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV012598.D (-1017) (-)

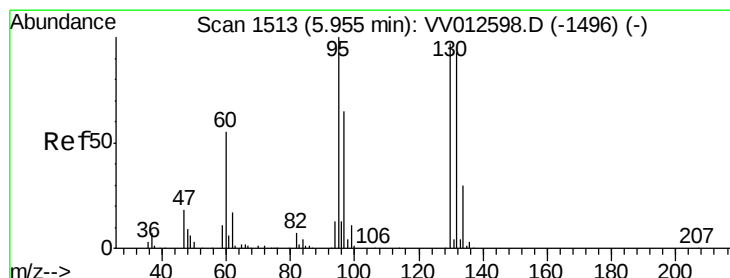
Time-->



Abundance Ion 83.05 (82.75 to 83.75): VV012614.D (-944) (-)

Ion 85.00 (84.70 to 85.70): VV012614.D (-944) (-)

Time-->



#34

Trichloroethene

Concen: 0.951 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012614.D

Acq: 06 Sep 2019 22:39

Tgt Ion: 95 Resp: 14785

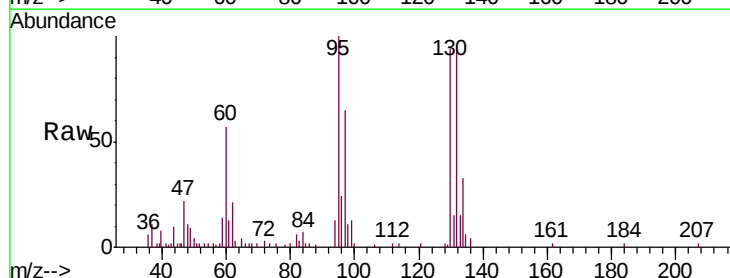
Ion Ratio Lower Upper

95 100

97 65.2 43.9 81.5

132 92.8 64.8 120.4

130 94.0 67.1 124.7



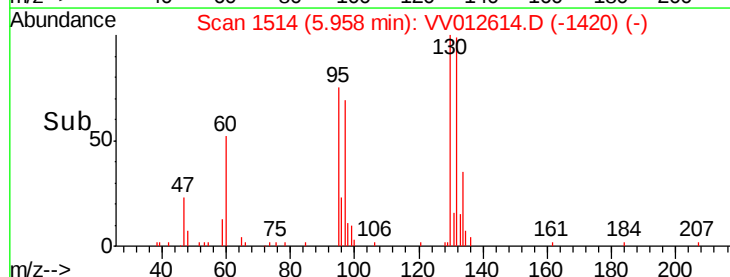
Abundance Ion 95.00 (94.70 to 95.70): VV012598.D (-1496) (-)

Ion 96.95 (96.65 to 97.65): VV012598.D (-1496) (-)

Ion 131.95 (131.65 to 132.65): VV012598.D (-1496) (-)

Ion 129.95 (129.65 to 130.65): VV012598.D (-1496) (-)

Time-->



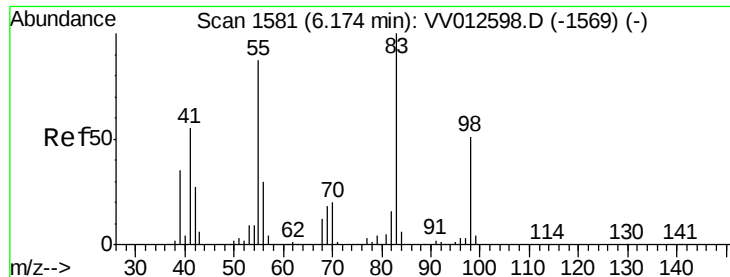
Abundance Ion 95.00 (94.70 to 95.70): VV012614.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV012614.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV012614.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV012614.D (-1420) (-)

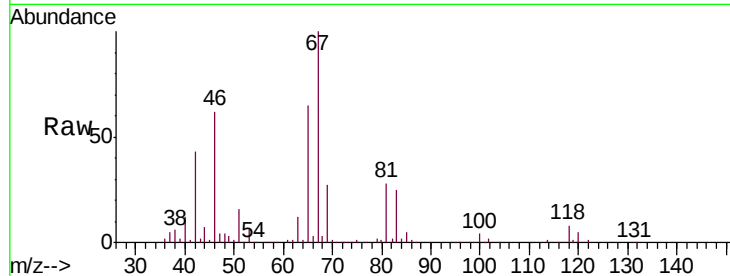
Time-->



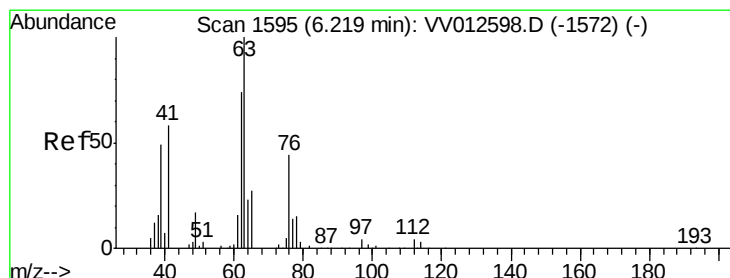
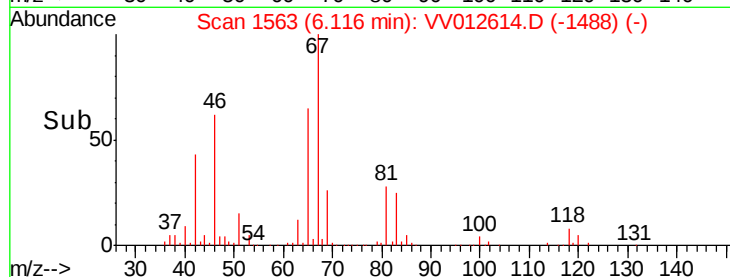
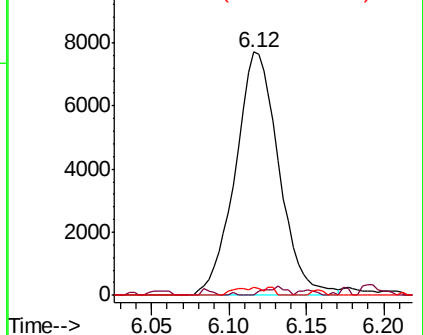
#35  
Methylcyclohexane  
Concen: 0.649 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.06 min  
Lab File: VV012614.D  
Acq: 06 Sep 2019 22:39

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFD71DL

Tgt Ion: 83 Resp: 15068  
Ion Ratio Lower Upper  
83 100  
55 0.1 69.0 103.6#  
98 1.2 38.0 57.0#

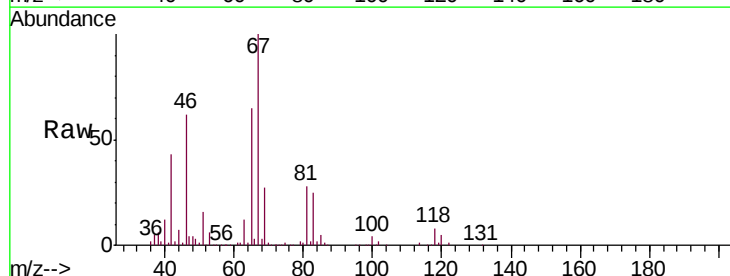


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

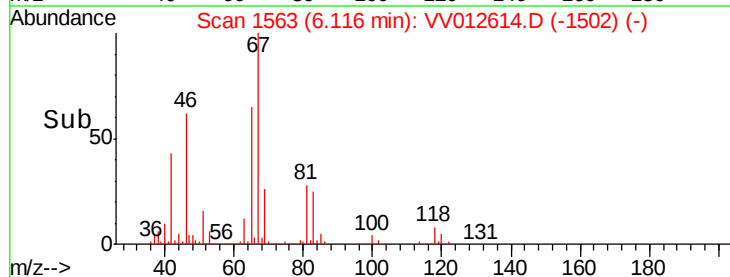
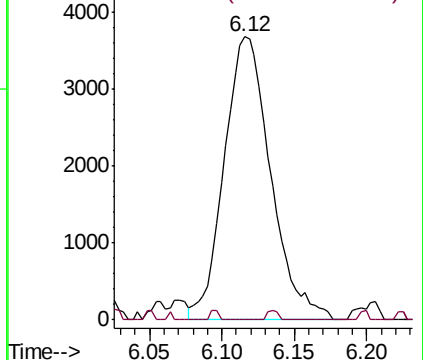


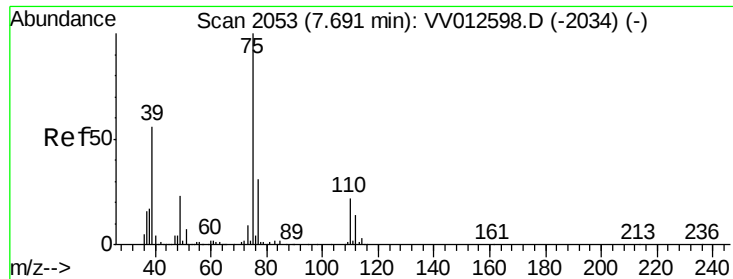
#37  
1,2-Dichloropropane  
Concen: 0.560 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.10 min  
Lab File: VV012614.D  
Acq: 06 Sep 2019 22:39

Tgt Ion: 63 Resp: 8198  
Ion Ratio Lower Upper  
63 100  
112 0.8 3.9 5.9#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V

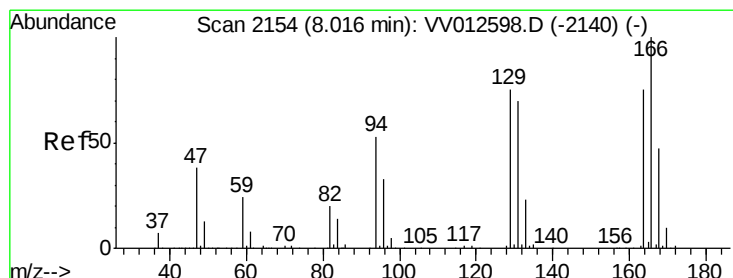
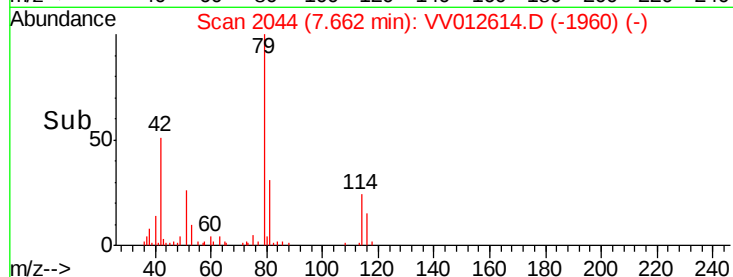
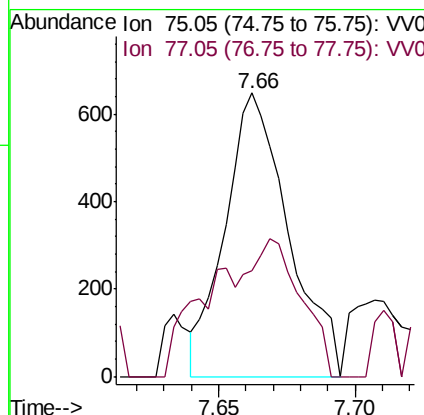
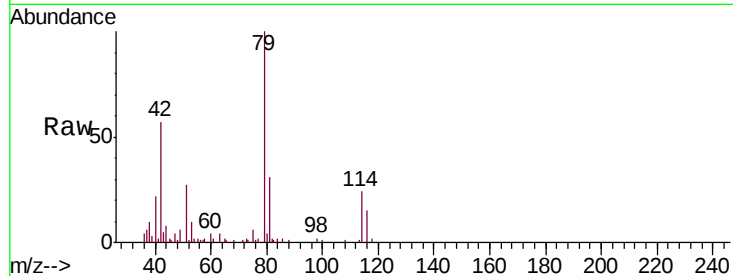




#44  
trans-1,3-Dichloropropene  
Concen: 0.071 ug/L  
RT: 7.66 min Scan# 2044  
Delta R.T. -0.03 min  
Lab File: VV012614.D  
Acq: 06 Sep 2019 22:39

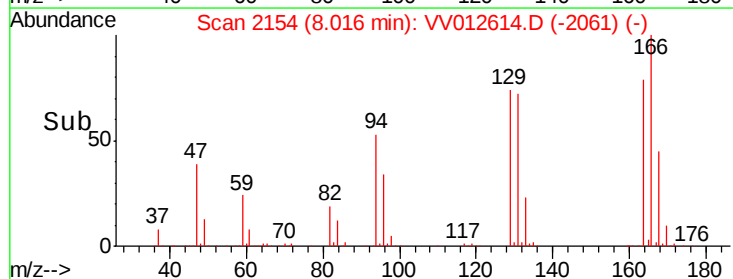
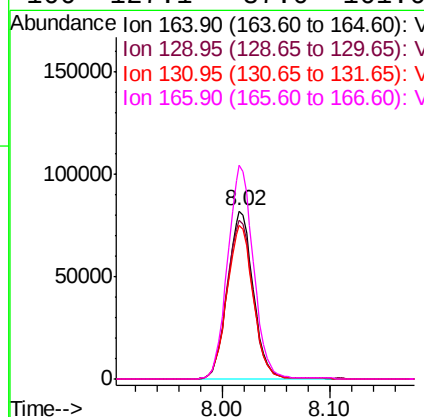
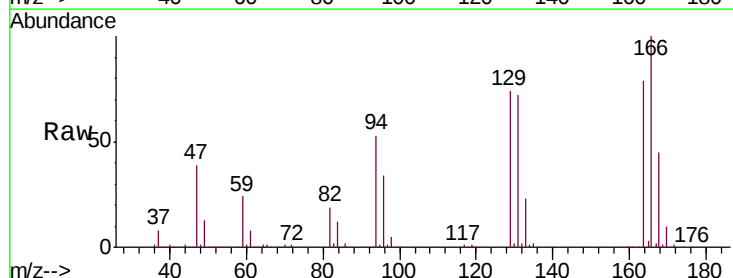
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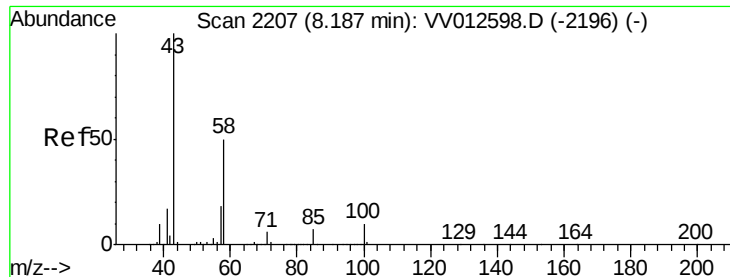
Tgt Ion: 75 Resp: 1047  
Ion Ratio Lower Upper  
75 100  
77 37.2 22.5 41.7



#47  
Tetrachloroethene  
Concen: 12.059 ug/L  
RT: 8.02 min Scan# 2154  
Delta R.T. -0.00 min  
Lab File: VV012614.D  
Acq: 06 Sep 2019 22:39

Tgt Ion: 164 Resp: 136671  
Ion Ratio Lower Upper  
164 100  
129 94.3 65.0 120.6  
131 91.7 62.0 115.2  
166 127.1 87.0 161.6

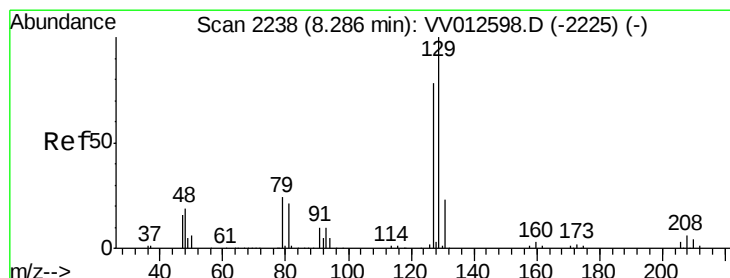
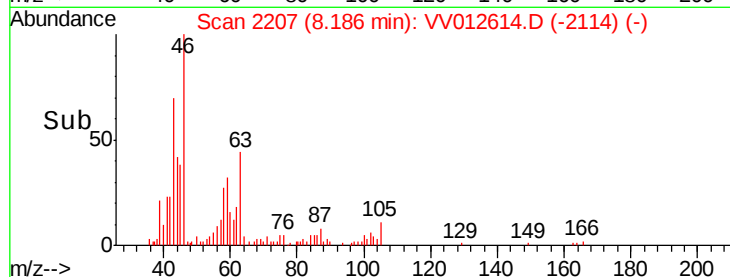
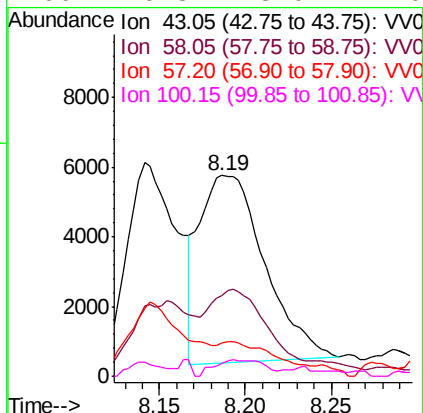
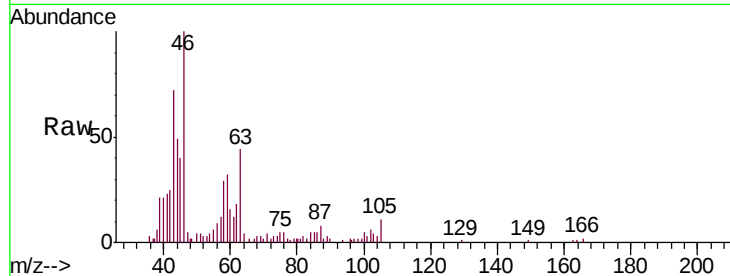




#48  
 2-Hexanone  
 Concen: 2.310 ug/L  
 RT: 8.19 min Scan# 2207  
 Delta R.T. -0.00 min  
 Lab File: VV012614.D  
 Acq: 06 Sep 2019 22:39

Instrument :  
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 ClientSampleId :  
 BFD71DL

Tgt Ion: 43 Resp: 14216  
 Ion Ratio Lower Upper  
 43 100  
 58 39.0 39.3 58.9#  
 57 17.4 12.9 19.3  
 100 6.8 8.0 12.0#



#49  
 Dibromochloromethane  
 Concen: 11.168 ug/L  
 RT: 8.02 min Scan# 2154  
 Delta R.T. -0.27 min  
 Lab File: VV012614.D  
 Acq: 06 Sep 2019 22:39

Tgt Ion: 129 Resp: 125521  
 Ion Ratio Lower Upper  
 129 100  
 127 0.0 53.0 98.4#

