

Data File : VV012656.D  
Acq On : 10 Sep 2019 14:42  
Operator : SY/MD  
Sample : K4703-16DL 10X  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFD99DL

Quant Time: Sep 11 05:25:43 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR090919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Sep 11 05:21:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 398796   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 398909   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 152820   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

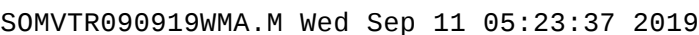
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 107950   | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 99504    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 132572   | 3.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.60%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 356809   | 54.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.62% |
| 24) Chloroform-d               | 4.40   | 84    | 223366   | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 118775   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.00% |
| 32) Benzene-d6                 | 5.10   | 84    | 407783   | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 139468   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.20%  |
| 41) Toluene-d8                 | 7.36   | 98    | 318287   | 3.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 74.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 44462    | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 180732   | 45.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.76%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 104489   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 131072   | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.20% |

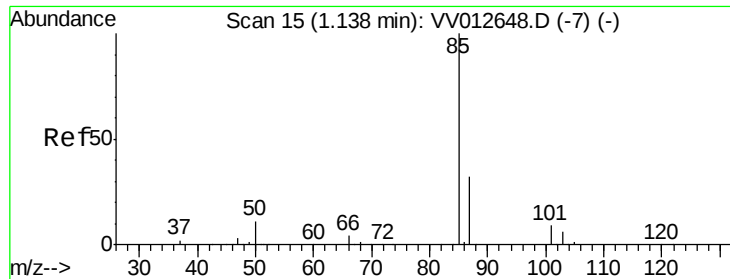
#### Target Compounds

|                               |      |     |        |              | Qvalue |
|-------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane    | 1.14 | 85  | 8256   | 0.245 ug/L # | 87     |
| 16) Methylene chloride        | 2.53 | 84  | 5775   | 0.191 ug/L   | 99     |
| 25) Chloroform                | 4.42 | 83  | 12020  | 0.208 ug/L   | 97     |
| 34) Trichloroethene           | 5.96 | 95  | 23908  | 0.742 ug/L   | 96     |
| 35) Methylcyclohexane         | 6.12 | 83  | 34333  | 0.754 ug/L # | 18     |
| 37) 1,2-Dichloropropane       | 6.12 | 63  | 15407  | 0.531 ug/L # | 87     |
| 44) trans-1,3-Dichloropropene | 7.67 | 75  | 1935   | 0.067 ug/L   | 86     |
| 47) Tetrachloroethene         | 8.02 | 164 | 220902 | 8.735 ug/L   | 98     |
| 48) 2-Hexanone                | 8.19 | 43  | 44462  | 3.860 ug/L # | 78     |
| 49) Dibromochloromethane      | 8.02 | 129 | 190228 | 7.907 ug/L # | 11     |

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

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QLast Update : Wed Sep 11 05:21:41 2019  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.245 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012656.D

Acq: 10 Sep 2019 14:42

Instrument :

MSVOA\_V

ClientSampleId :

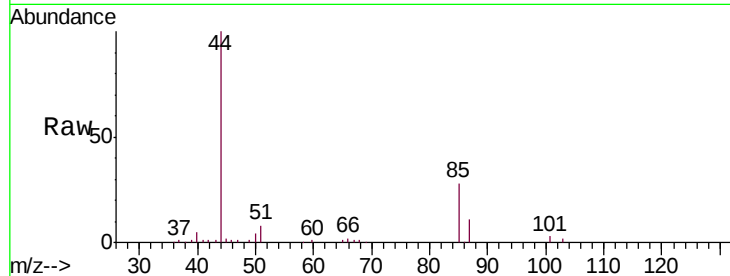
BFD99DL

Tgt Ion: 85 Resp: 8256

Ion Ratio Lower Upper

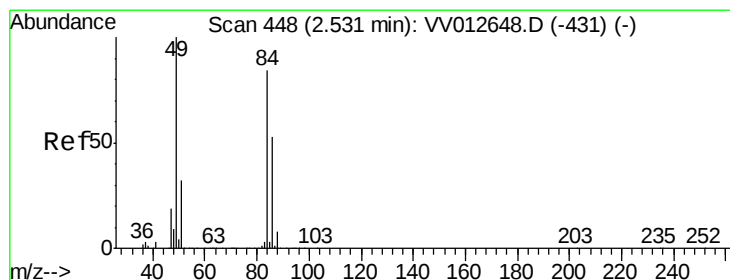
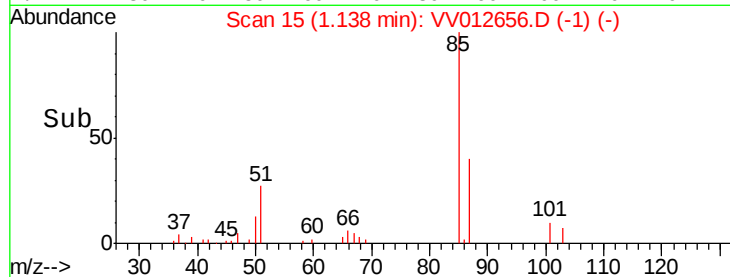
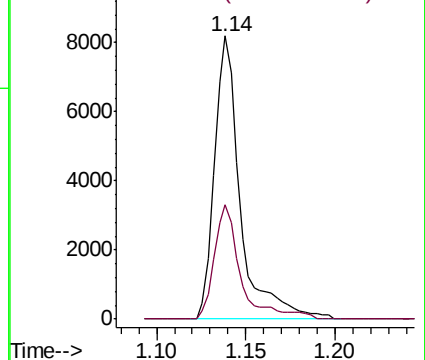
85 100

87 39.4 25.8 38.8#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#16

Methylene chloride

Concen: 0.191 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012656.D

Acq: 10 Sep 2019 14:42

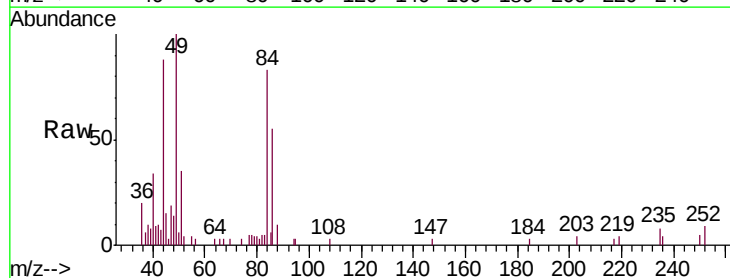
Tgt Ion: 84 Resp: 5775

Ion Ratio Lower Upper

84 100

86 65.5 46.1 85.7

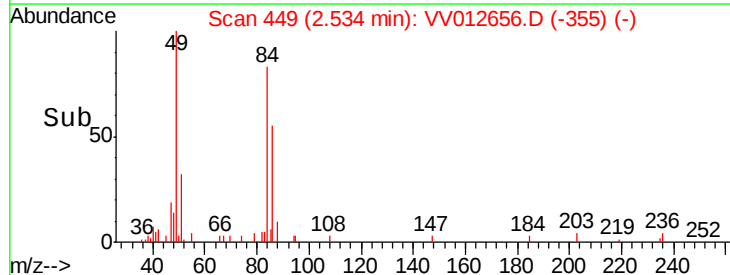
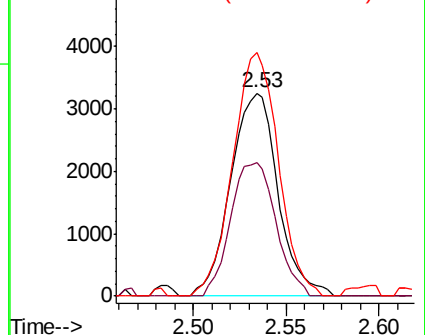
49 119.9 85.3 158.3

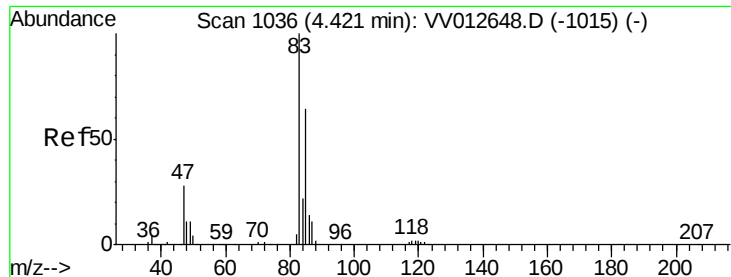


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#25

Chloroform

Concen: 0.208 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV012656.D

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Instrument :

MSVOA\_V

ClientSampleId :

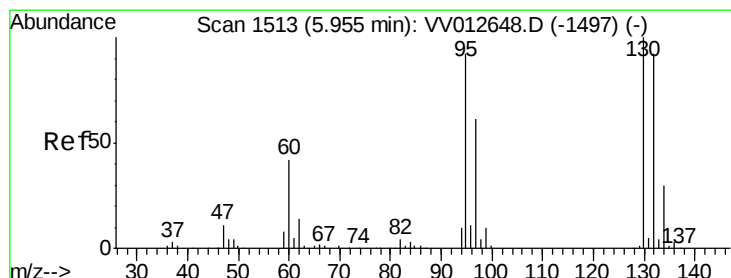
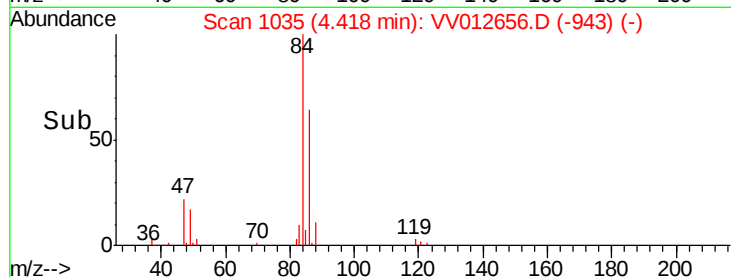
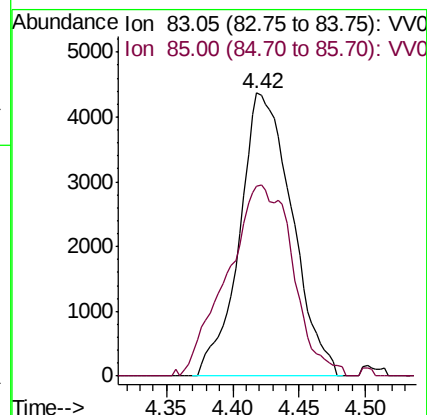
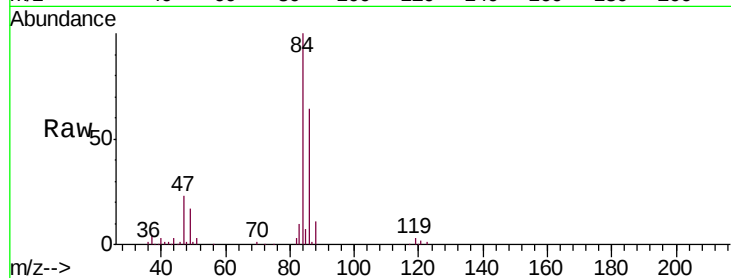
BFD99DL

Tgt Ion: 83 Resp: 12020

Ion Ratio Lower Upper

83 100

85 67.0 45.3 84.1



#34

Trichloroethene

Concen: 0.742 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012656.D

Acq: 10 Sep 2019 14:42

Tgt Ion: 95 Resp: 23908

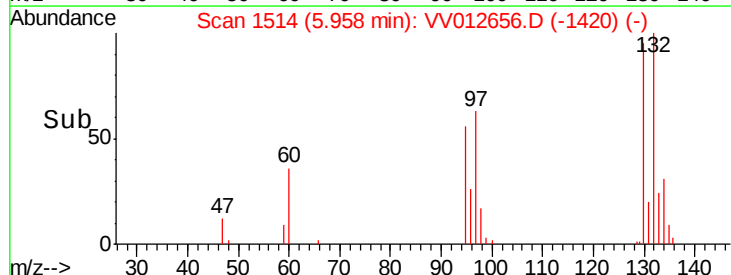
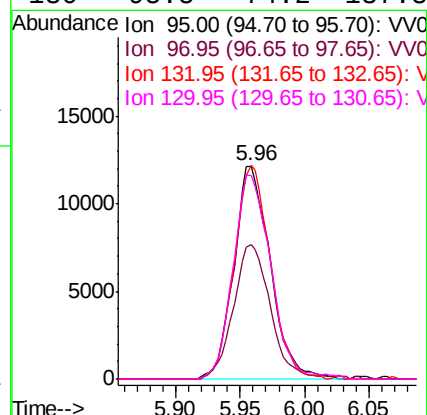
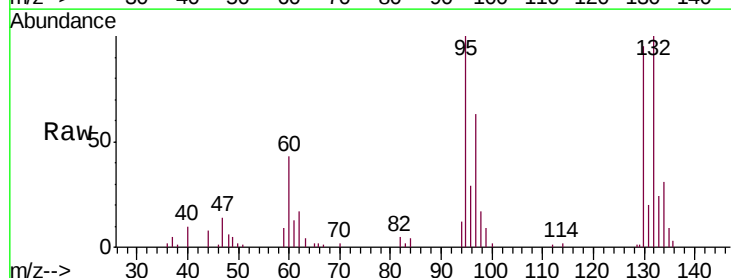
Ion Ratio Lower Upper

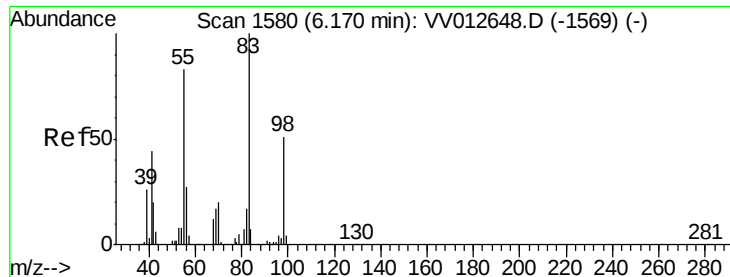
95 100

97 63.4 45.4 84.2

132 100.3 70.2 130.4

130 95.5 74.2 137.8

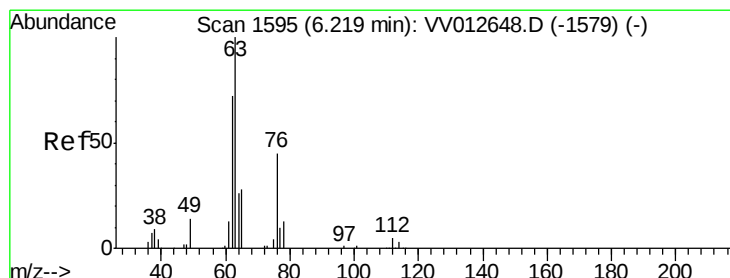
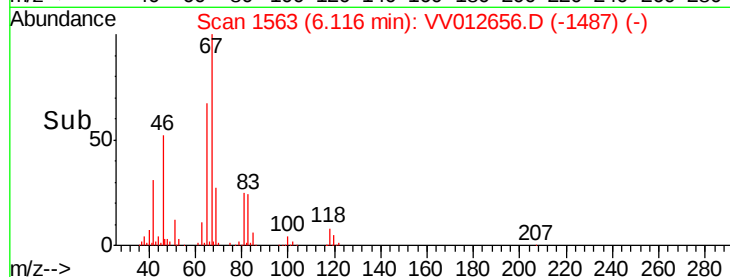
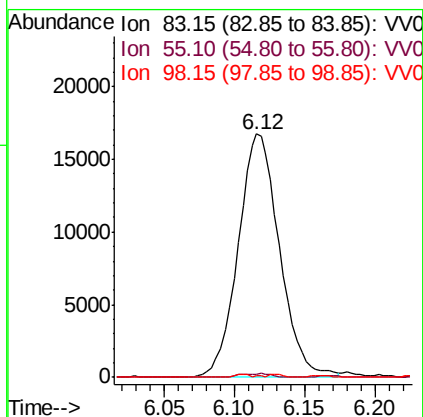
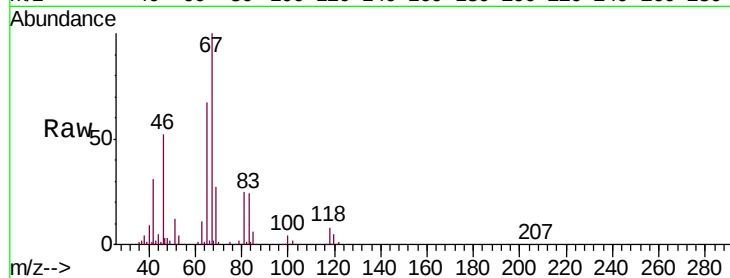




#35  
Methylcyclohexane  
Concen: 0.754 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.05 min  
Lab File: VV012656.D  
Acq: 10 Sep 2019 14:42

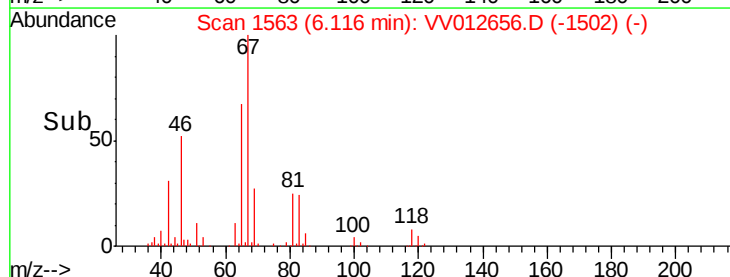
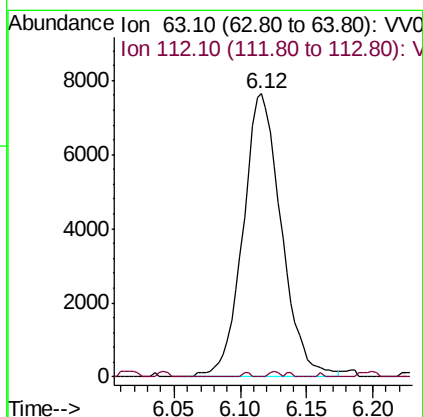
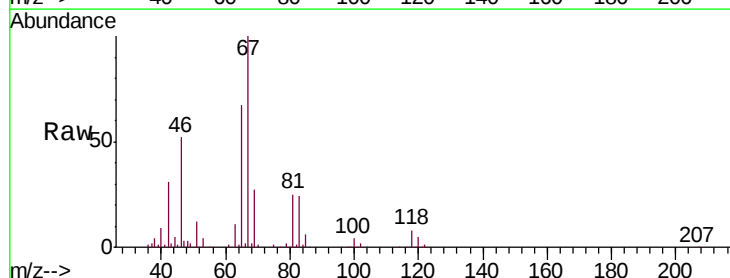
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFD99DL

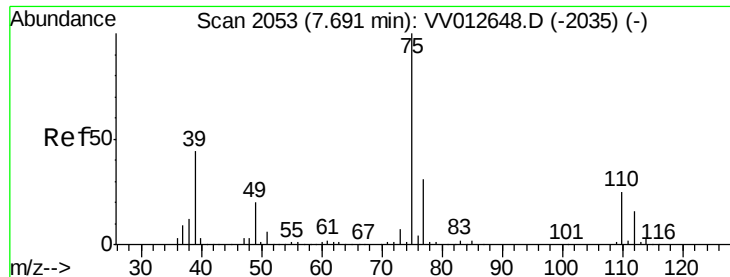
Tgt Ion: 83 Resp: 34333  
Ion Ratio Lower Upper  
83 100  
55 1.1 63.0 94.4#  
98 0.0 39.8 59.8#



#37  
1,2-Dichloropropane  
Concen: 0.531 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.10 min  
Lab File: VV012656.D  
Acq: 10 Sep 2019 14:42

Tgt Ion: 63 Resp: 15407  
Ion Ratio Lower Upper  
63 100  
112 0.5 3.8 5.6#

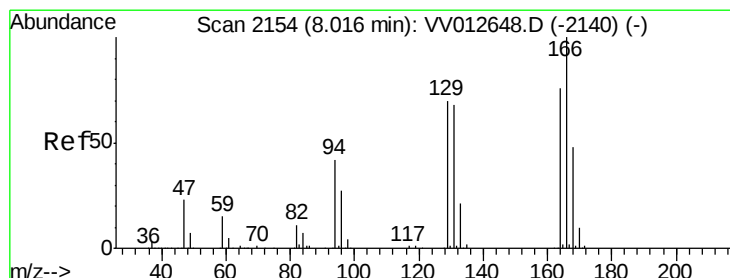
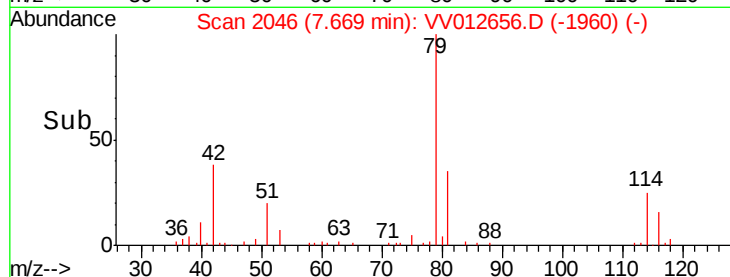
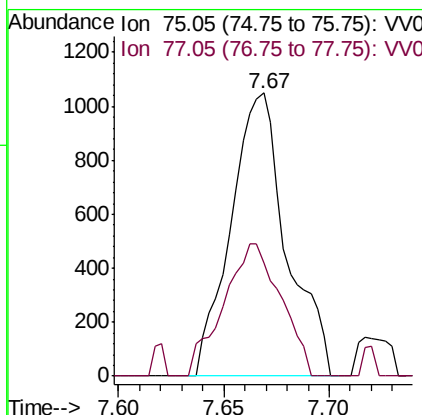
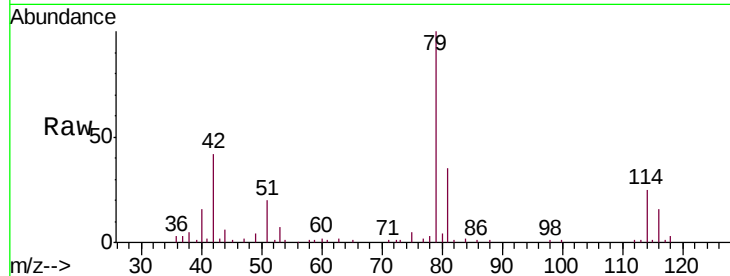




#44  
trans-1,3-Dichloropropene  
Concen: 0.067 ug/L  
RT: 7.67 min Scan# 2046  
Delta R.T. -0.02 min  
Lab File: VV012656.D  
Acq: 10 Sep 2019 14:42

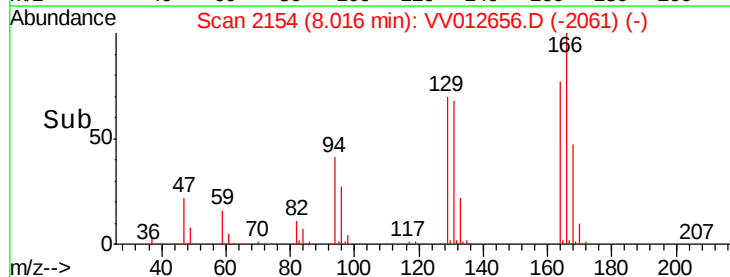
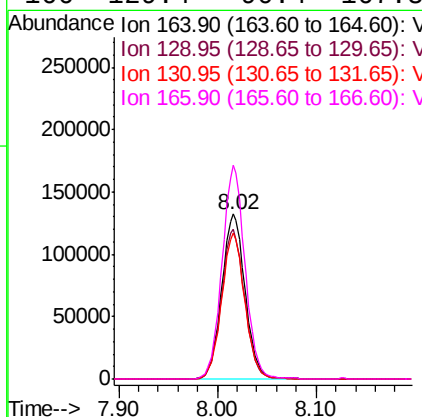
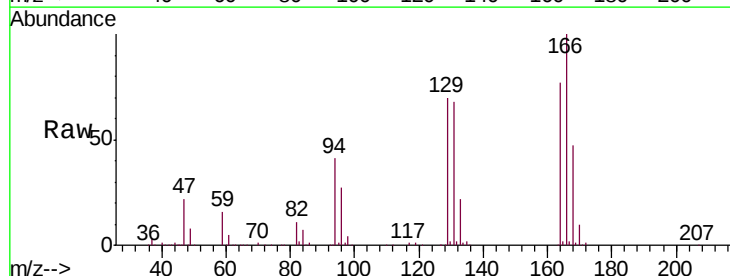
Instrument :  
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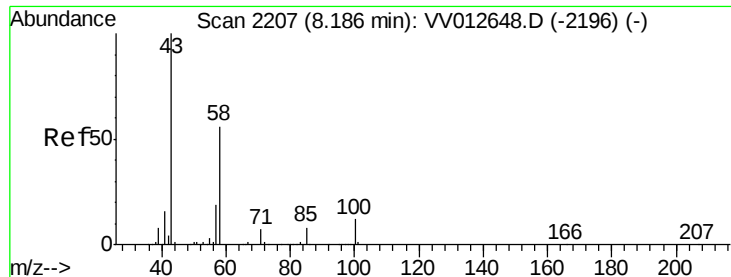
Tgt Ion: 75 Resp: 1935  
Ion Ratio Lower Upper  
75 100  
77 39.8 22.4 41.6



#47  
Tetrachloroethene  
Concen: 8.735 ug/L  
RT: 8.02 min Scan# 2154  
Delta R.T. 0.00 min  
Lab File: VV012656.D  
Acq: 10 Sep 2019 14:42

Tgt Ion: 164 Resp: 220902  
Ion Ratio Lower Upper  
164 100  
129 90.7 61.9 114.9  
131 88.1 59.7 110.9  
166 129.4 90.4 167.8

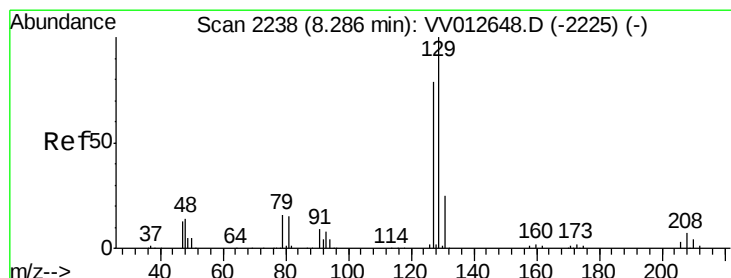
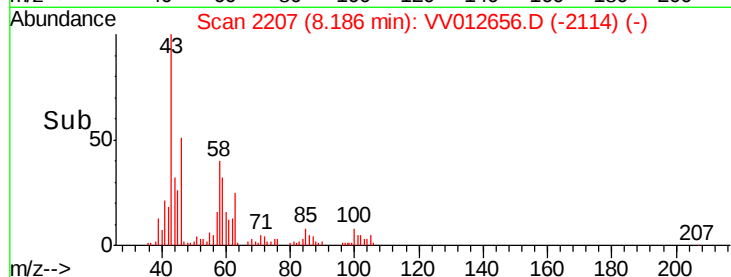
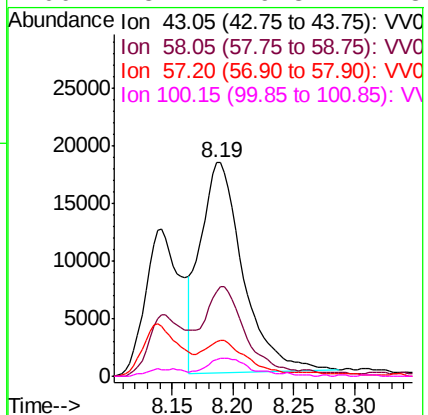
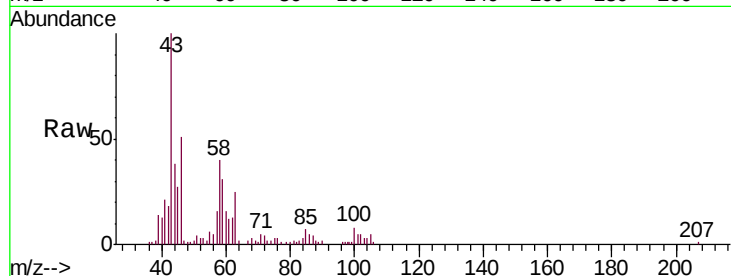




#48  
2-Hexanone  
Concen: 3.860 ug/L  
RT: 8.19 min Scan# 2207  
Delta R.T. 0.00 min  
Lab File: VV012656.D  
Acq: 10 Sep 2019 14:42

Instrument :  
MSVOA\_V  
ClientSampled :  
BFD99DL

Tgt Ion: 43 Resp: 44462  
Ion Ratio Lower Upper  
43 100  
58 36.2 44.8 67.2#  
57 15.2 14.9 22.3  
100 5.1 9.8 14.8#



#49  
Dibromochloromethane  
Concen: 7.907 ug/L  
RT: 8.02 min Scan# 2154  
Delta R.T. -0.27 min  
Lab File: VV012656.D  
Acq: 10 Sep 2019 14:42

Tgt Ion: 129 Resp: 190228  
Ion Ratio Lower Upper  
129 100  
127 0.1 53.5 99.5#

