

Data File : VV012464.D  
Acq On : 30 Aug 2019 19:30  
Operator : SY/MD  
Sample : K4500-16DL 50X  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GANLODL

Quant Time: Aug 31 01:41:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Aug 31 01:38:02 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 167886   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 167223   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 57625    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 42537    | 2.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 56.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 40079    | 3.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 74.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 59549    | 2.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 48.40%# |
| 20) 2-Butanone-d5              | 3.97   | 46    | 162303   | 53.22    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.44% |
| 24) Chloroform-d               | 4.40   | 84    | 109184   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 58389    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.40%  |
| 32) Benzene-d6                 | 5.10   | 84    | 191825   | 3.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 76.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 68772    | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 86.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 133656   | 2.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 59.40%# |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 19899    | 3.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 71.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 95043    | 43.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.34%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 51995    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 47301    | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 84.40%  |

#### Target Compounds

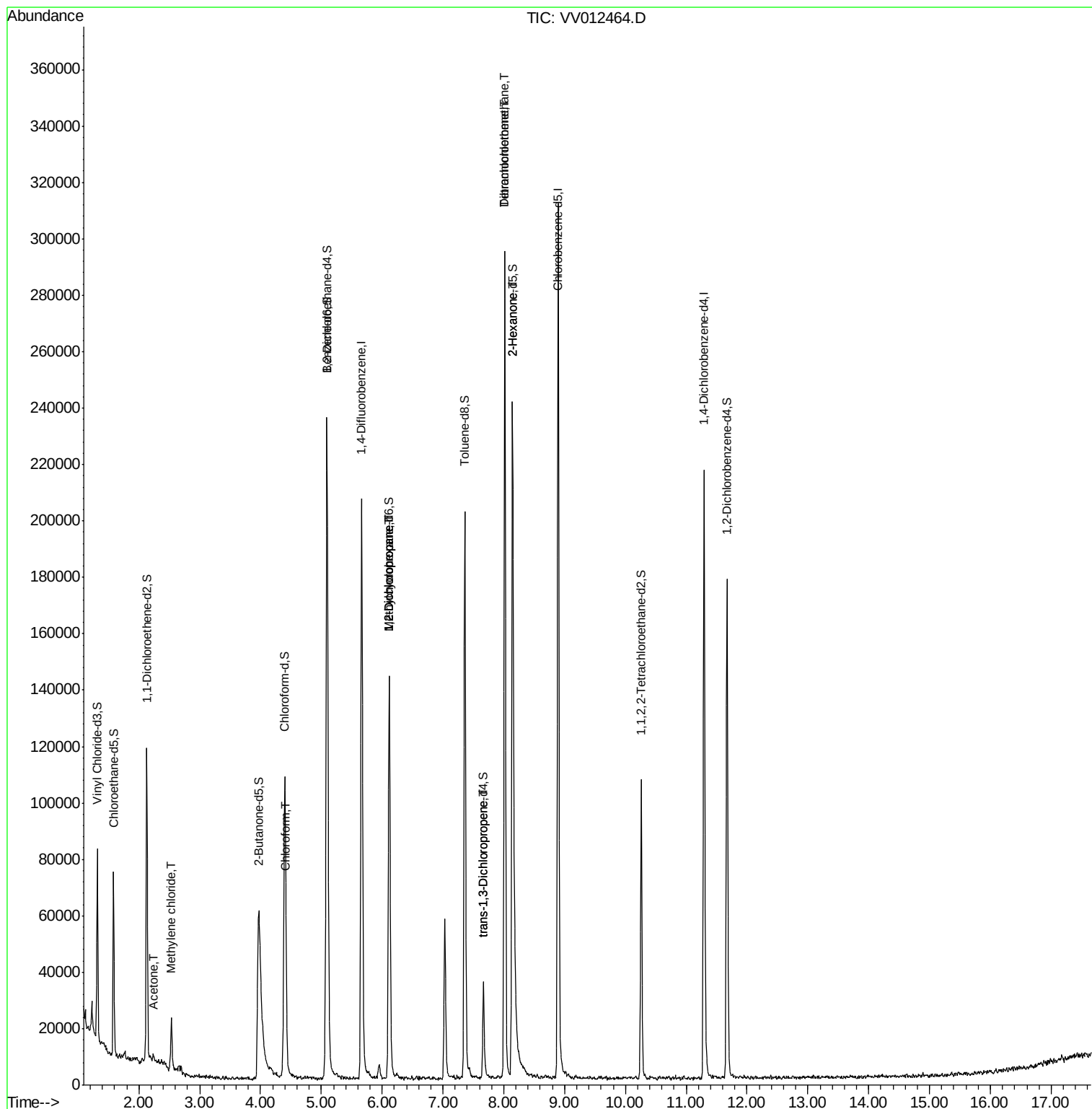
|                               |      |     |       |       |        | Qvalue |
|-------------------------------|------|-----|-------|-------|--------|--------|
| 13) Acetone                   | 2.23 | 43  | 2847  | 1.278 | ug/L   | 90     |
| 16) Methylene chloride        | 2.53 | 84  | 6742  | 0.463 | ug/L   | 94     |
| 25) Chloroform                | 4.43 | 83  | 4004  | 0.120 | ug/L   | 96     |
| 35) Methylcyclohexane         | 6.12 | 83  | 15519 | 0.578 | ug/L # | 16     |
| 37) 1,2-Dichloropropane       | 6.12 | 63  | 8341  | 0.462 | ug/L # | 89     |
| 44) trans-1,3-Dichloropropene | 7.67 | 75  | 1051  | 0.058 | ug/L # | 64     |
| 47) Tetrachloroethene         | 8.02 | 164 | 66060 | 4.679 | ug/L   | 99     |
| 48) 2-Hexanone                | 8.14 | 43  | 13533 | 1.942 | ug/L # | 71     |
| 49) Dibromochloromethane      | 8.02 | 129 | 57447 | 4.166 | ug/L # | 12     |

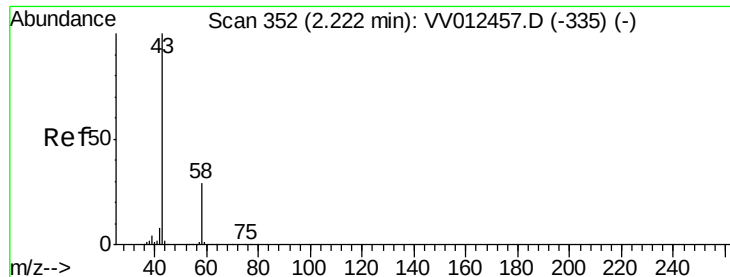
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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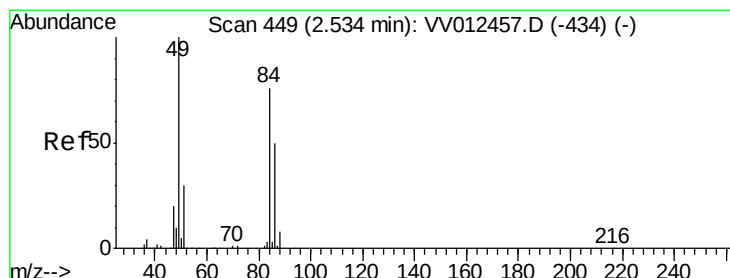
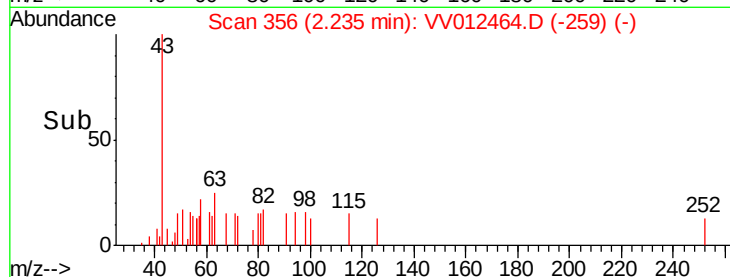
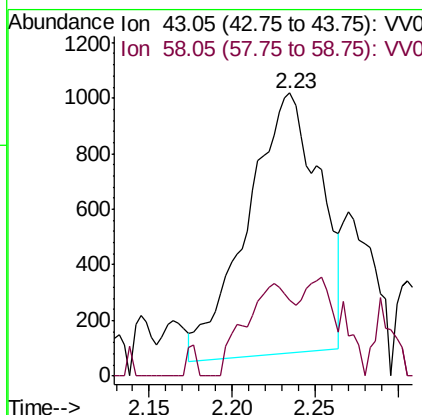
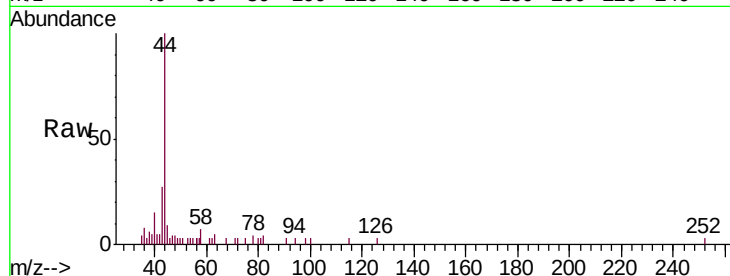




#13  
Acetone  
Concen: 1.278 ug/L  
RT: 2.23 min Scan# 356  
Delta R.T. 0.01 min  
Lab File: VV012464.D  
Acq: 30 Aug 2019 19:30

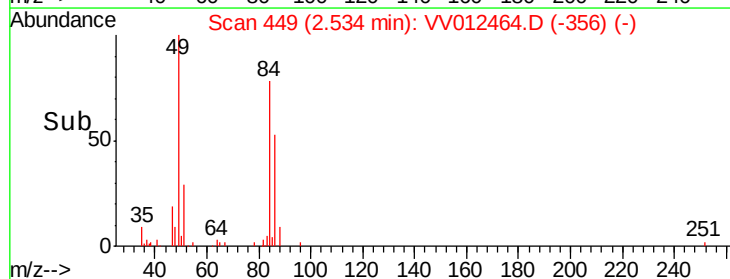
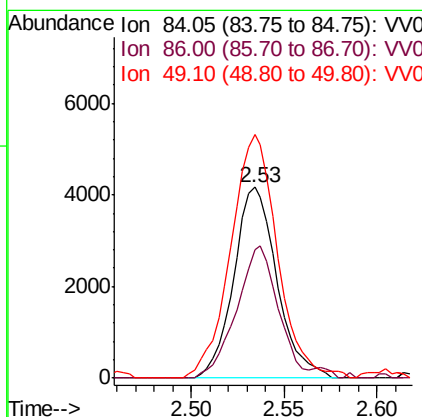
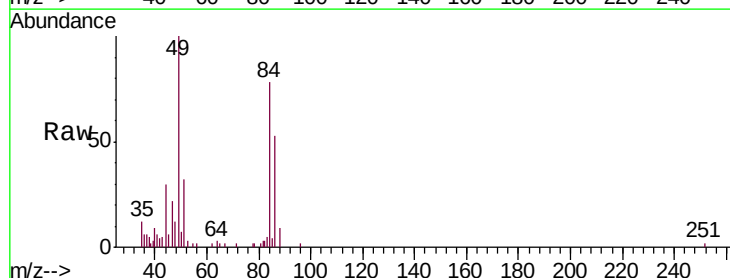
Instrument :  
MSVOA\_V  
ClientSampleId :  
GANLODL

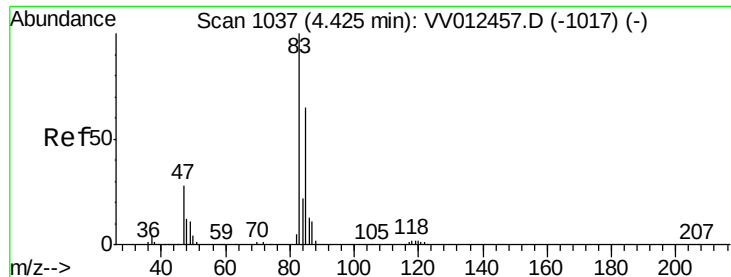
Tgt Ion: 43 Resp: 2847  
Ion Ratio Lower Upper  
43 100  
58 22.9 0.0 56.8



#16  
Methylene chloride  
Concen: 0.463 ug/L  
RT: 2.53 min Scan# 449  
Delta R.T. -0.00 min  
Lab File: VV012464.D  
Acq: 30 Aug 2019 19:30

Tgt Ion: 84 Resp: 6742  
Ion Ratio Lower Upper  
84 100  
86 67.5 45.2 84.0  
49 127.4 95.1 176.7

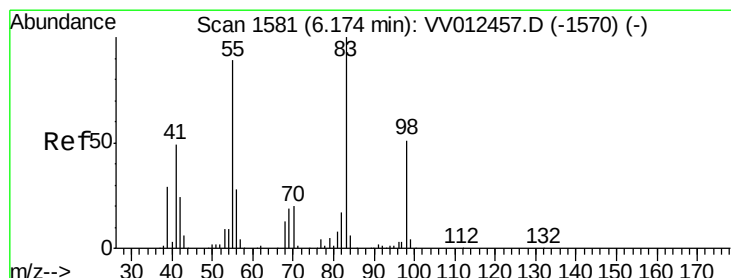
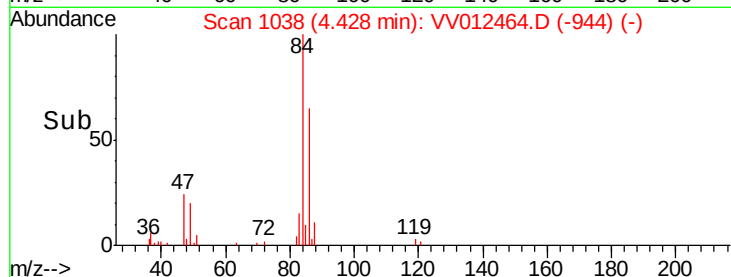
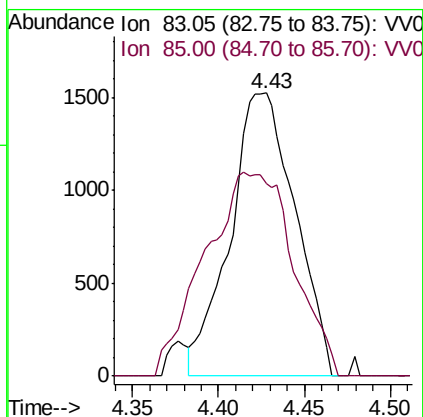
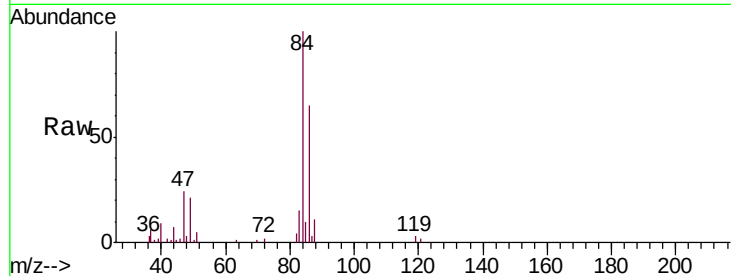




#25  
Chloroform  
Concen: 0.120 ug/L  
RT: 4.43 min Scan# 1038  
Delta R.T. 0.00 min  
Lab File: VV012464.D  
Acq: 30 Aug 2019 19:30

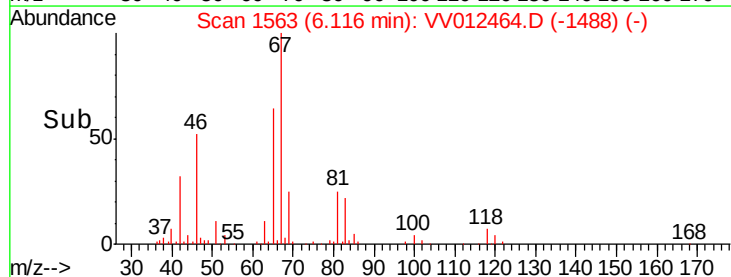
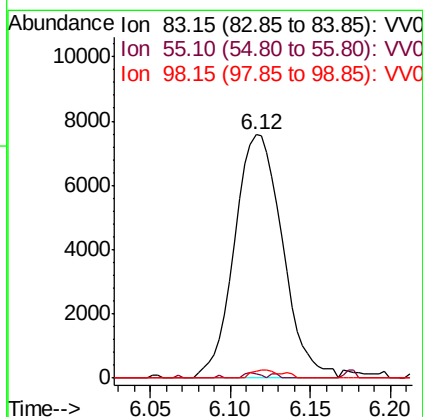
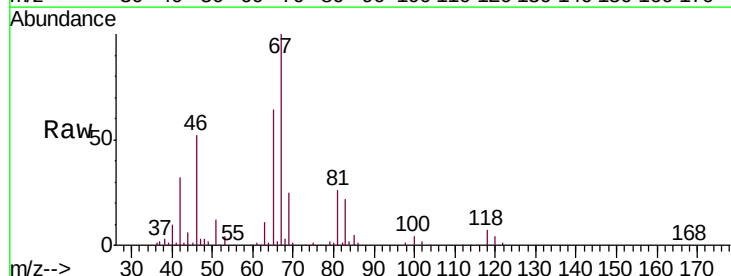
Instrument :  
MSVOA\_V  
ClientSampleId :  
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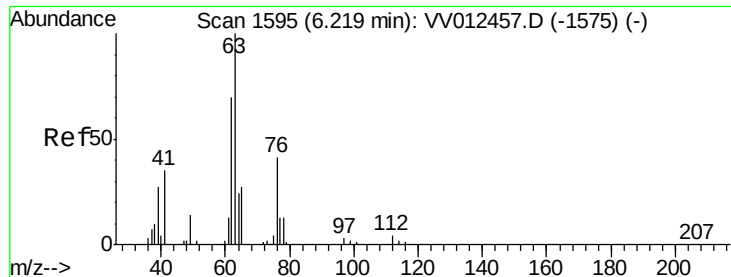
Tgt Ion: 83 Resp: 4004  
Ion Ratio Lower Upper  
83 100  
85 68.2 45.4 84.4



#35  
Methylcyclohexane  
Concen: 0.578 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.06 min  
Lab File: VV012464.D  
Acq: 30 Aug 2019 19:30

Tgt Ion: 83 Resp: 15519  
Ion Ratio Lower Upper  
83 100  
55 0.7 67.8 101.6#  
98 2.1 39.2 58.8#

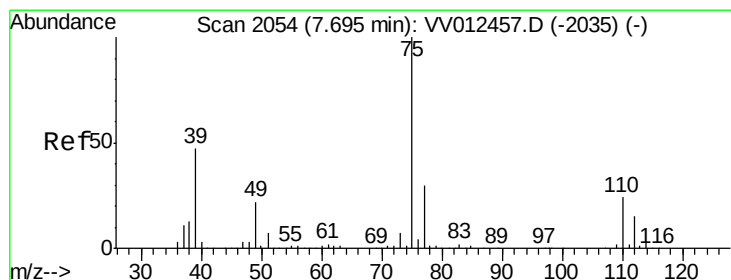
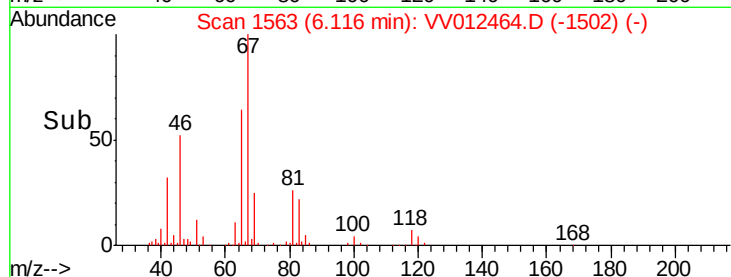
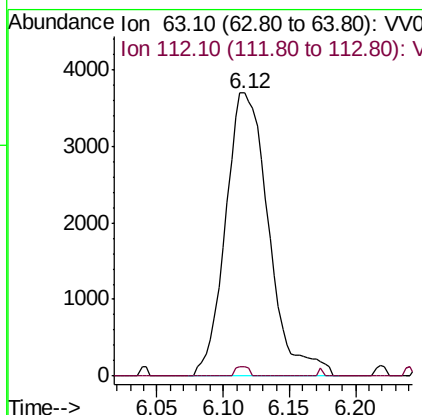
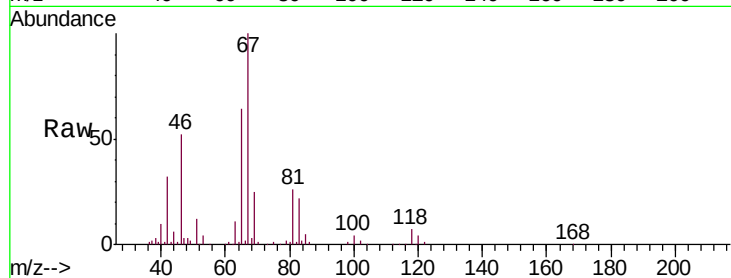




#37  
 1,2-Dichloropropane  
 Concen: 0.462 ug/L  
 RT: 6.12 min Scan# 1563  
 Delta R.T. -0.10 min  
 Lab File: VV012464.D  
 Acq: 30 Aug 2019 19:30

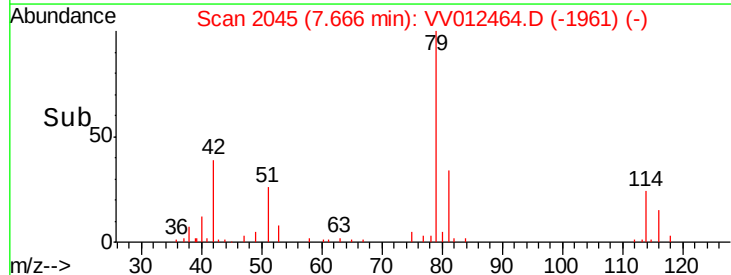
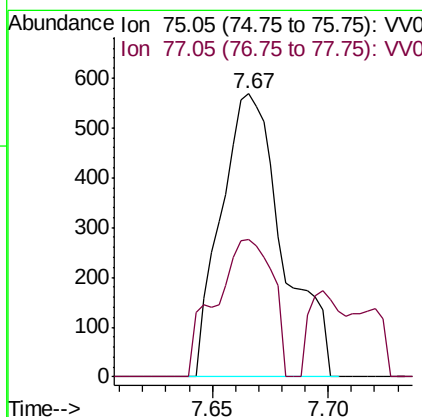
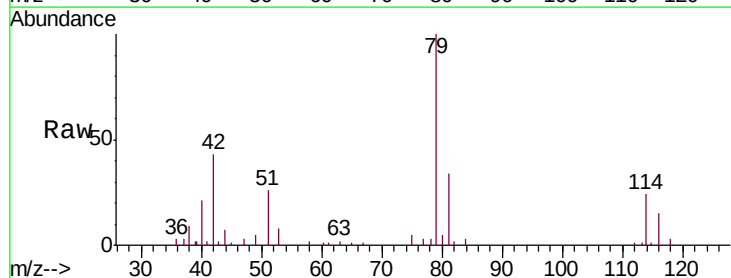
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GANLODL

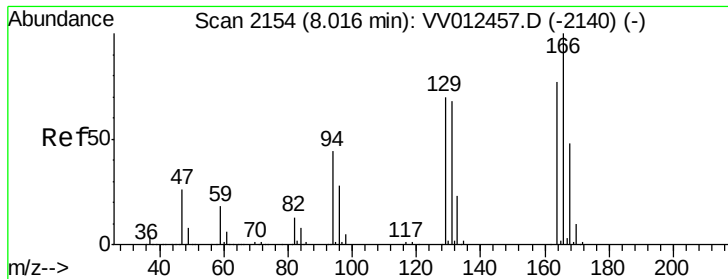
Tgt Ion: 63 Resp: 8341  
 Ion Ratio Lower Upper  
 63 100  
 112 1.1 3.7 5.5#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.058 ug/L  
 RT: 7.67 min Scan# 2045  
 Delta R.T. -0.03 min  
 Lab File: VV012464.D  
 Acq: 30 Aug 2019 19:30

Tgt Ion: 75 Resp: 1051  
 Ion Ratio Lower Upper  
 75 100  
 77 48.8 20.6 38.4#





#47

Tetrachloroethene

Concen: 4.679 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012464.D

Acq: 30 Aug 2019 19:30

Instrument :  
MSVOA\_V  
ClientSampleId :  
GANLODL

Tgt Ion:164 Resp: 66060

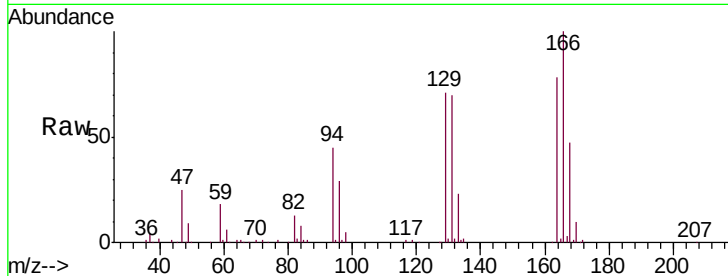
Ion Ratio Lower Upper

164 100

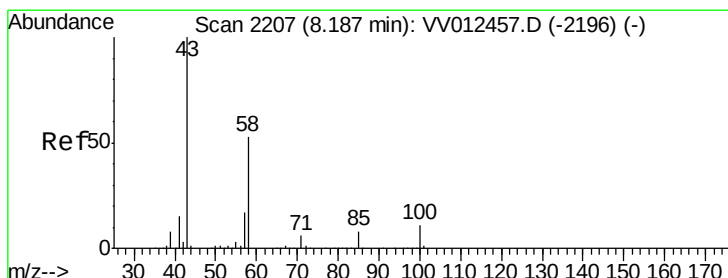
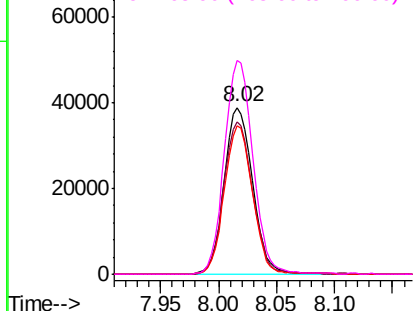
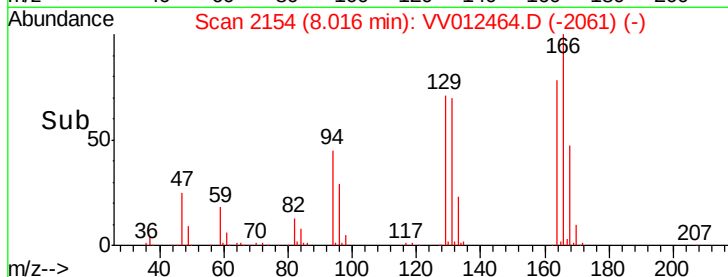
129 91.0 65.6 121.8

131 89.1 63.3 117.5

166 128.0 89.4 166.0



Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.942 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV012464.D

Acq: 30 Aug 2019 19:30

Tgt Ion: 43 Resp: 13533

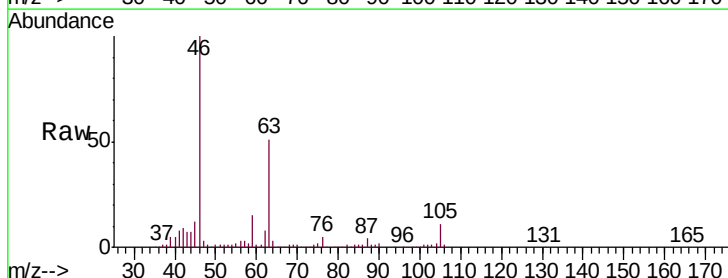
Ion Ratio Lower Upper

43 100

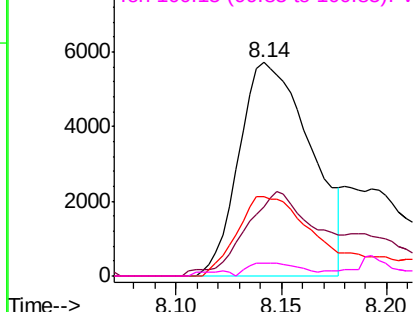
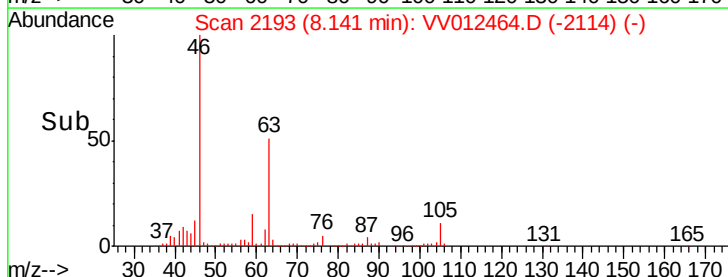
58 39.5 43.6 65.4#

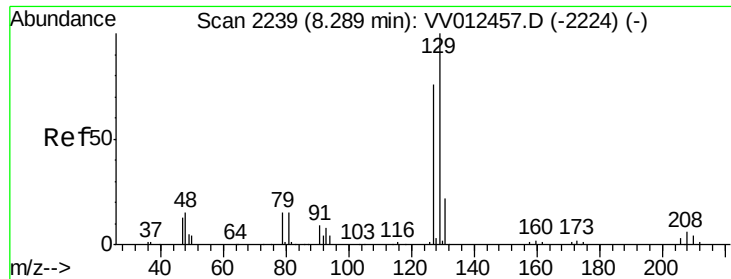
57 44.5 14.2 21.2#

100 4.4 8.9 13.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 58.05 (57.75 to 58.75): VV0  
Ion 57.20 (56.90 to 57.90): VV0  
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 4.166 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012464.D

Acq: 30 Aug 2019 19:30

Instrument :

MSVOA\_V

ClientSampleId :

GANLODL

Tgt Ion:129 Resp: 57447

Ion Ratio Lower Upper

129 100

127 0.7 53.6 99.6#

