

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041420\  
 Data File : VV015476.D  
 Acq On : 14 Apr 2020 21:08  
 Operator : SY/MD  
 Sample : L2273-18  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YAQ96

Quant Time: Apr 15 02:26:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR040920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Apr 15 02:17:02 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 112649   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 106878   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 55059    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 32910    | 5.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 112.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 28623    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 106.40% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 47051    | 3.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.40%  |
| 20) 2-Butanone-d5              | 3.92   | 46    | 78782    | 48.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.00%  |
| 24) Chloroform-d               | 4.38   | 84    | 59770    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 34124    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.80%  |
| 32) Benzene-d6                 | 5.08   | 84    | 124923   | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.40% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 37812    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.40% |
| 41) Toluene-d8                 | 7.34   | 98    | 115592   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.20% |
| 43) trans-1,3-Dichloropropene- | 7.65   | 79    | 15519    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.60%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 65012    | 41.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.94%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 26303    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 42103    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.20%  |

## Target Compounds

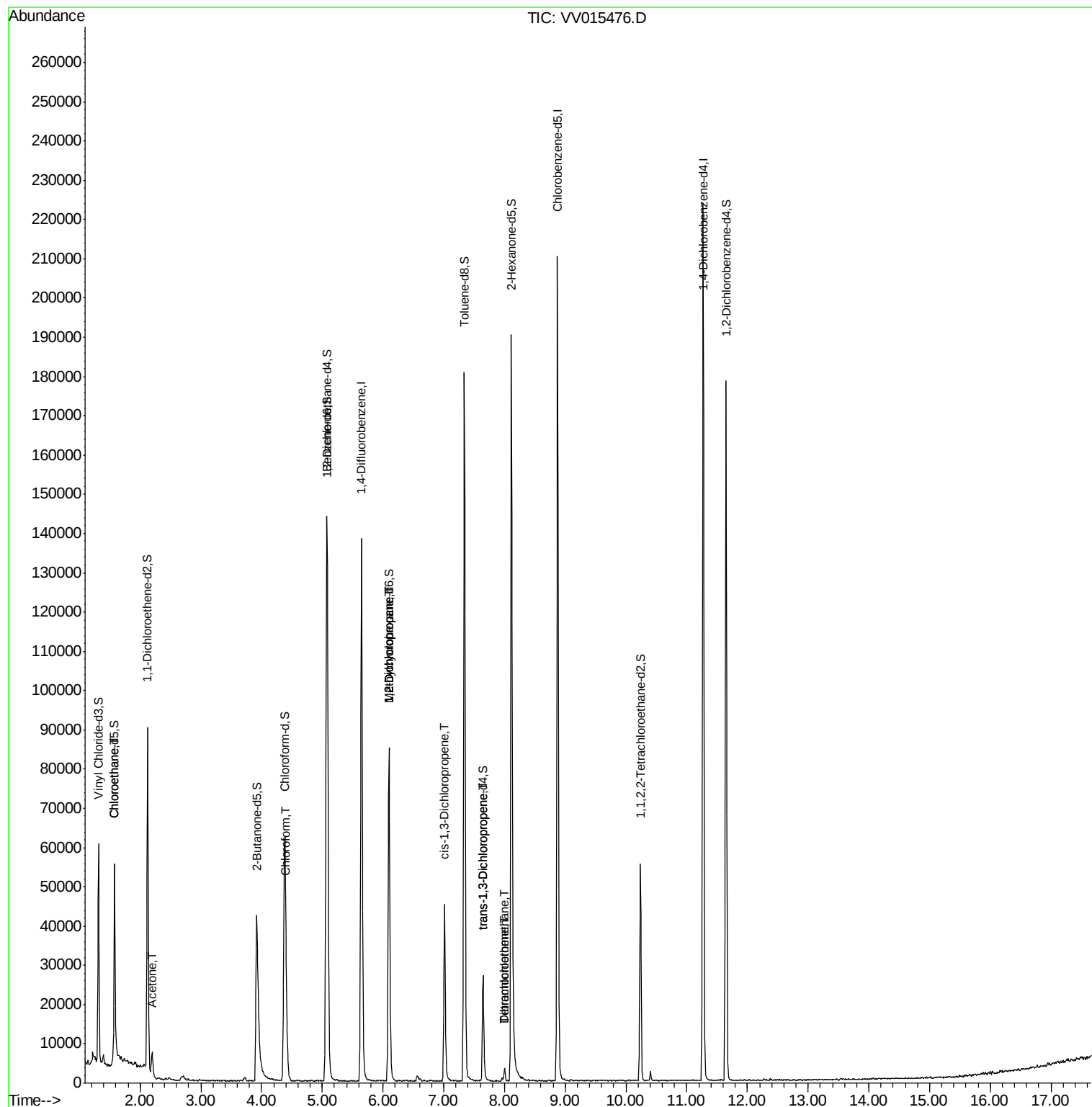
| Target Compounds              | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|------|------|----------|-------|--------|--------|
| 8) Chloroethane               | 1.58 | 64   | 6348     | 1.071 | ug/L # | 54     |
| 13) Acetone                   | 2.20 | 43   | 8535     | 7.361 | ug/L # | 49     |
| 25) Chloroform                | 4.41 | 83   | 11270    | 0.733 | ug/L   | 99     |
| 35) Methylcyclohexane         | 6.10 | 83   | 9431     | 0.650 | ug/L # | 16     |
| 37) 1,2-Dichloropropane       | 6.10 | 63   | 4611     | 0.581 | ug/L # | 86     |
| 39) cis-1,3-Dichloropropene   | 7.01 | 75   | 1140     | 0.094 | ug/L # | 50     |
| 44) trans-1,3-Dichloropropene | 7.64 | 75   | 724      | 0.070 | ug/L   | 89     |
| 47) Tetrachloroethene         | 8.00 | 164  | 752      | 0.118 | ug/L   | 90     |
| 49) Dibromochloromethane      | 8.00 | 129  | 779      | 0.122 | ug/L # | 10     |

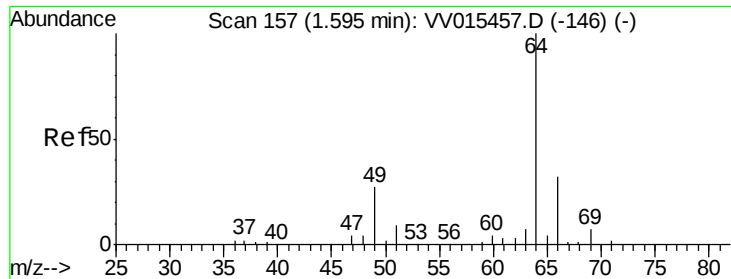
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 15 02:26:38 2020  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Apr 15 02:17:02 2020  
Response via : Initial Calibration

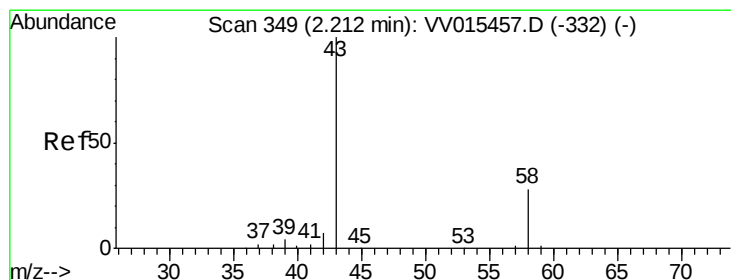
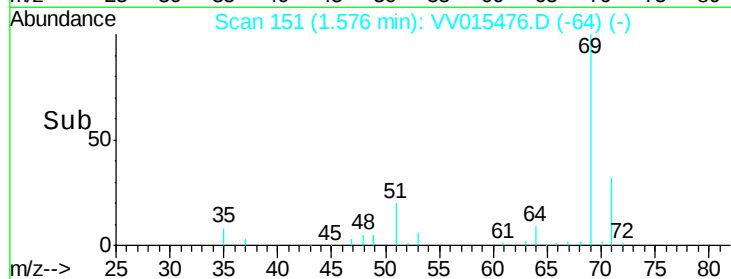
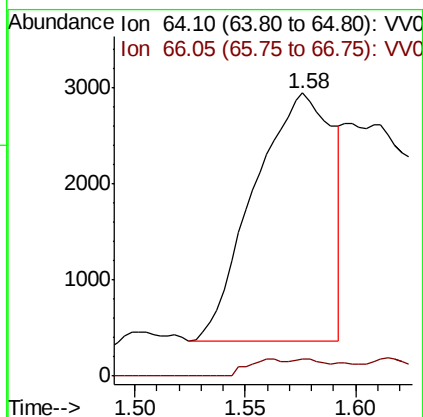
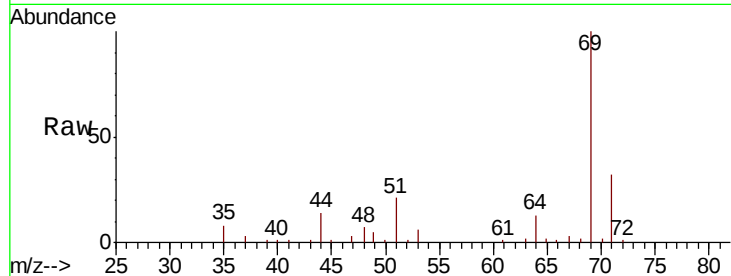




#8  
Chloroethane  
Concen: 1.071 ug/L  
RT: 1.58 min Scan# 151  
Delta R.T. -0.02 min  
Lab File: VV015476.D  
Acq: 14 Apr 2020 21:08

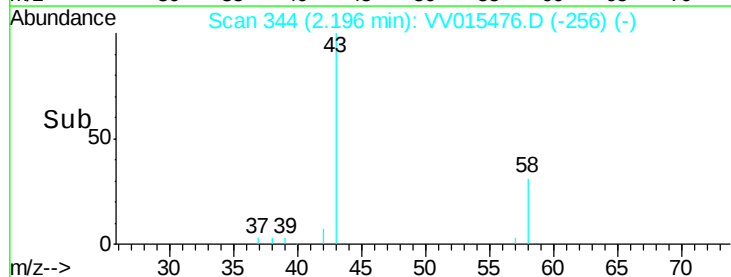
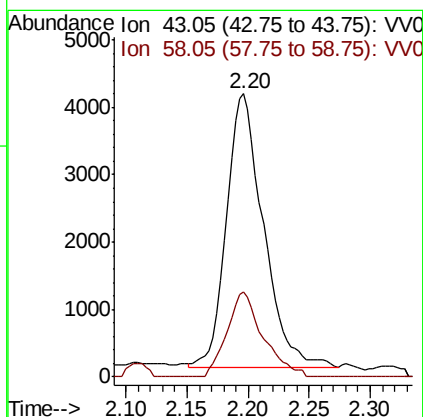
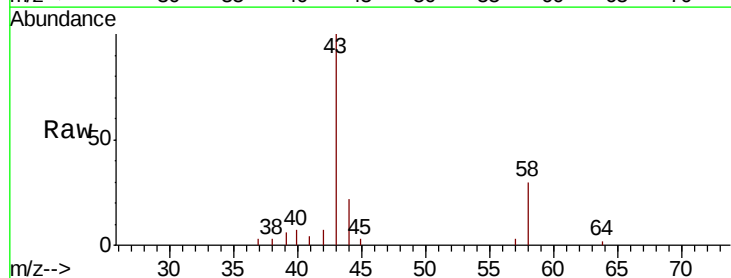
Instrument :  
MSVOA\_V  
ClientSampleId :  
YAQ96

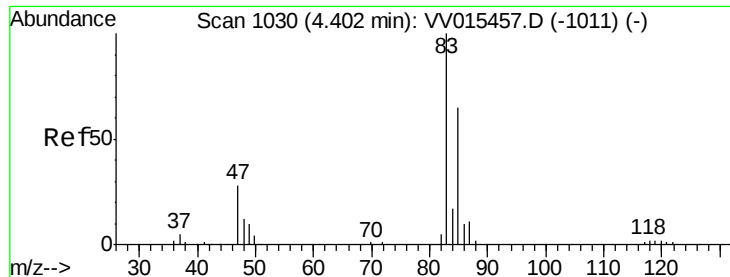
Tot Ion: 64 Resp: 6348  
Ion Ratio Lower Upper  
64 100  
66 6.1 22.3 41.5#



#13  
Acetone  
Concen: 7.361 ug/L  
RT: 2.20 min Scan# 344  
Delta R.T. -0.02 min  
Lab File: VV015476.D  
Acq: 14 Apr 2020 21:08

Tgt Ion: 43 Resp: 8535  
Ion Ratio Lower Upper  
43 100  
58 30.5 0.0 22.2#

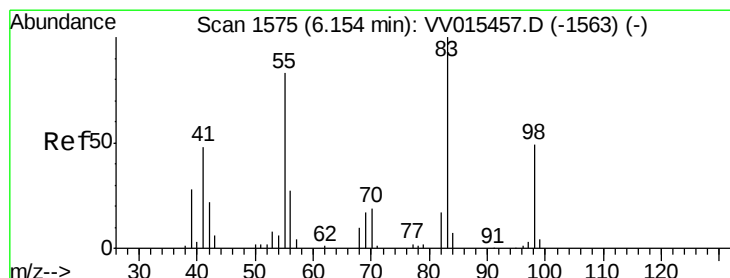
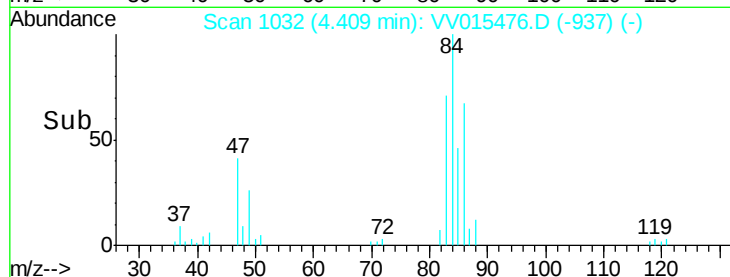
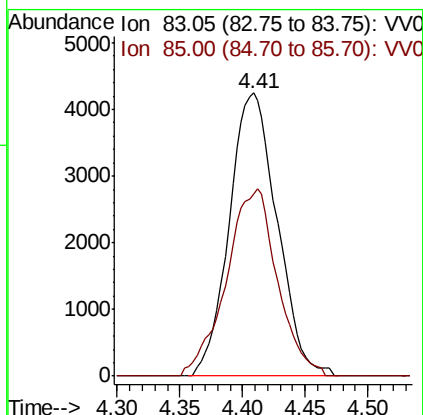
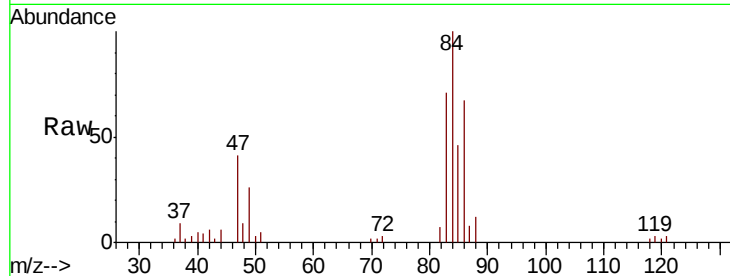




#25  
Chloroform  
Concen: 0.733 ug/L  
RT: 4.41 min Scan# 1032  
Delta R.T. 0.01 min  
Lab File: VV015476.D  
Acq: 14 Apr 2020 21:08

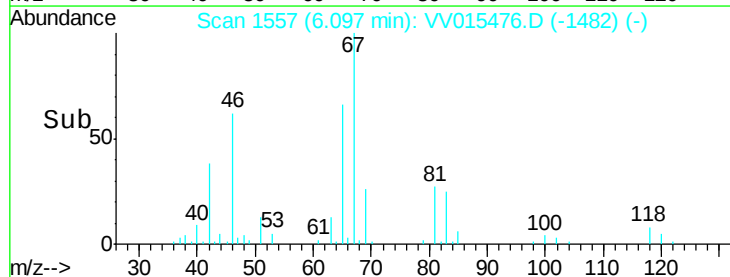
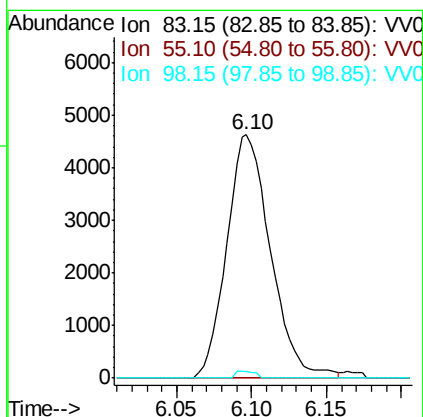
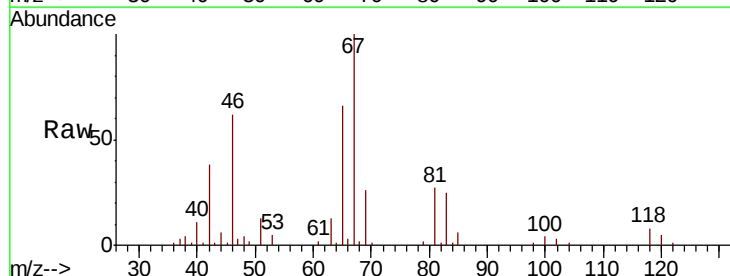
Instrument :  
MSVOA\_V  
ClientSampleId :  
YQA96

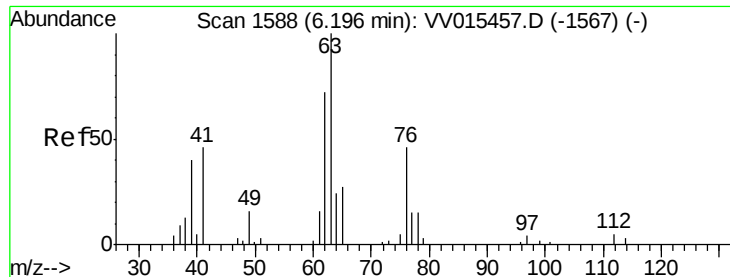
Tot Ion: 83 Resp: 11270  
Ion Ratio Lower Upper  
83 100  
85 64.4 45.9 85.3



#35  
Methylcyclohexane  
Concen: 0.650 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.06 min  
Lab File: VV015476.D  
Acq: 14 Apr 2020 21:08

Tgt Ion: 83 Resp: 9431  
Ion Ratio Lower Upper  
83 100  
55 0.0 66.6 99.8#  
98 1.2 38.7 58.1#





#37

1,2-Dichloropropane

Concen: 0.581 ug/L

RT: 6.10 min Scan# 1558

Delta R.T. -0.10 min

Lab File: VV015476.D

Acq: 14 Apr 2020 21:08

Instrument :

MSVOA\_V

ClientSampled :

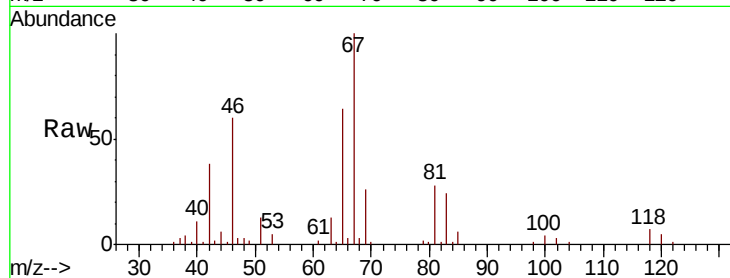
YAQ96

Tot Ion: 63 Resp: 4611

Ion Ratio Lower Upper

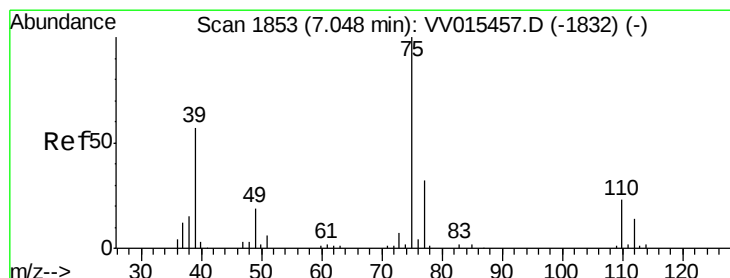
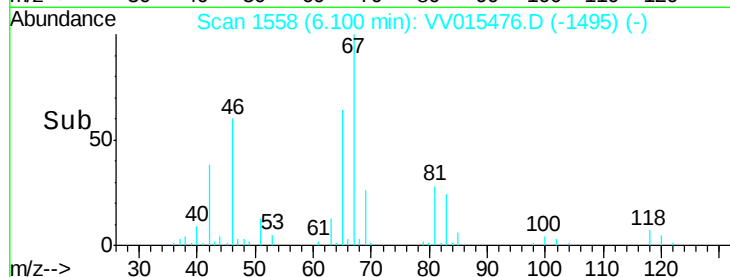
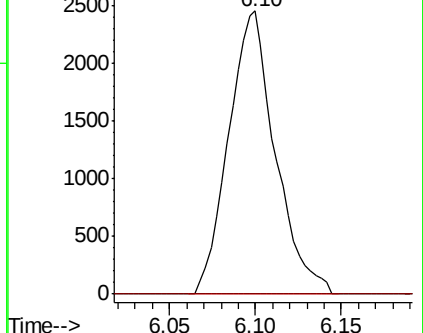
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV015457.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VV015457.D (-1567) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV015476.D

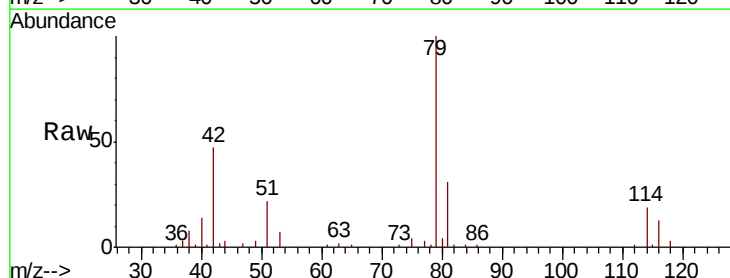
Acq: 14 Apr 2020 21:08

Tgt Ion: 75 Resp: 1140

Ion Ratio Lower Upper

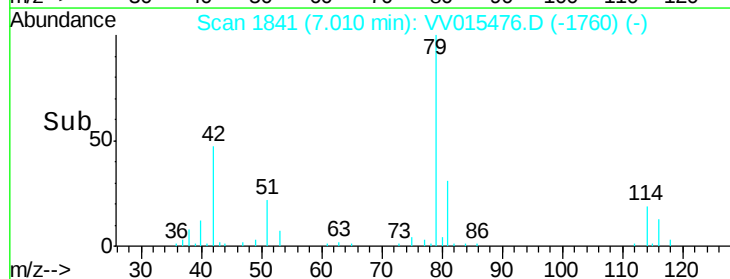
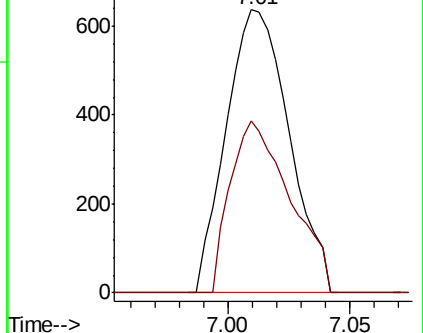
75 100

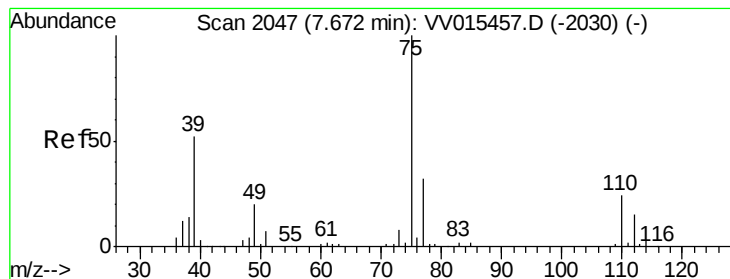
77 60.9 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015457.D (-1832) (-)

Ion 77.05 (76.75 to 77.75): VV015457.D (-1832) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015476.D

Acq: 14 Apr 2020 21:08

Instrument :

MSVOA\_V

ClientSampleId :

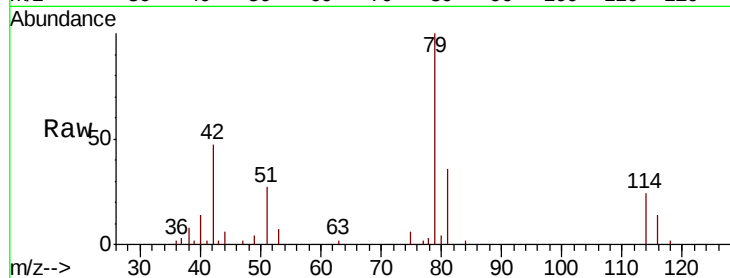
YQA96

Tot Ion: 75 Resp: 724

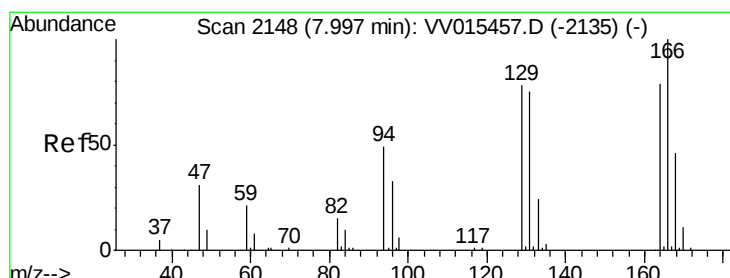
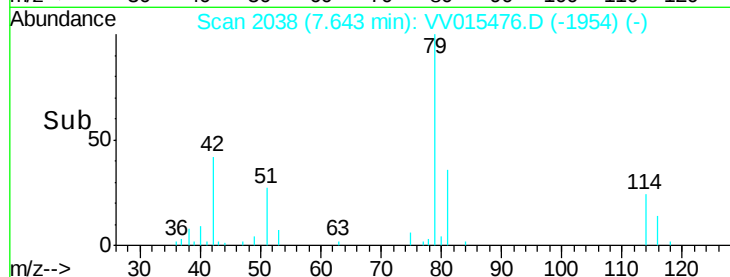
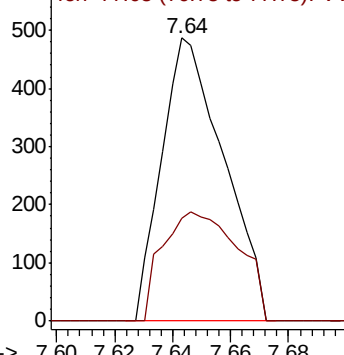
Ion Ratio Lower Upper

75 100

77 36.1 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV015457.D (-2030) (-)



#47

Tetrachloroethene

Concen: 0.118 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV015476.D

Acq: 14 Apr 2020 21:08

Tgt Ion: 164 Resp: 752

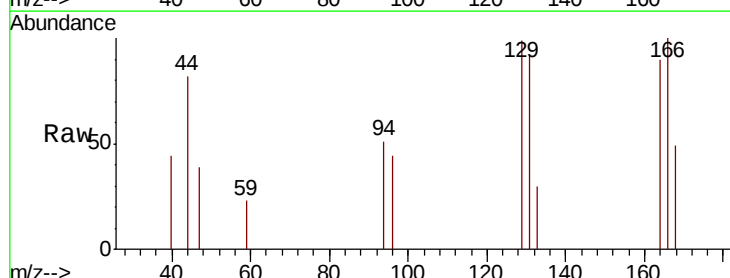
Ion Ratio Lower Upper

164 100

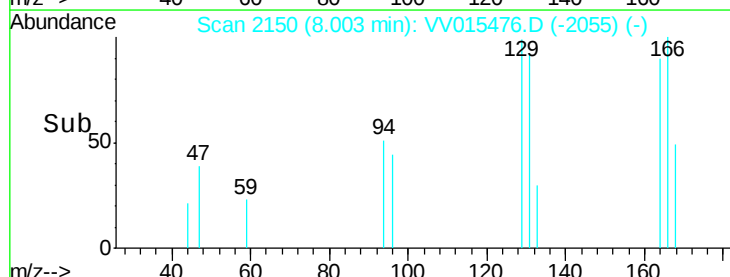
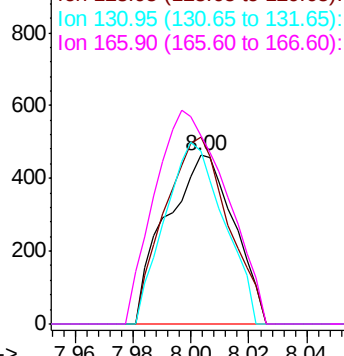
129 110.8 70.6 131.0

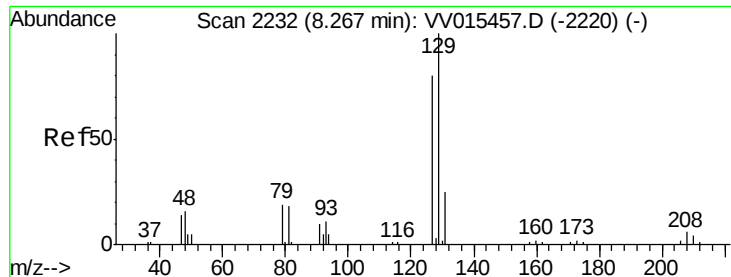
131 102.8 68.3 126.8

166 111.7 88.3 163.9



Abundance Ion 163.90 (163.60 to 164.60): VV015457.D (-2135) (-)





#49

Dibromochloromethane

Concen: 0.122 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. -0.26 min

Lab File: VV015476.D

Acq: 14 Apr 2020 21:08

Instrument :

MSVOA\_V

ClientSampleId :

YAQ96

Tot Ion:129 Resp: 779

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

