

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050420\  
 Data File : VV015889.D  
 Acq On : 04 May 2020 16:54  
 Operator : SY/MD  
 Sample : L2435-08  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: May 05 01:33:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue May 05 01:28:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 121152   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 114478   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 55712    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 29198    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 29800    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 46676    | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.40%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 104388   | 51.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.70% |
| 24) Chloroform-d               | 4.38   | 84    | 70272    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 40487    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.00%  |
| 32) Benzene-d6                 | 5.07   | 84    | 132146   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 42240    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.80%  |
| 41) Toluene-d8                 | 7.34   | 98    | 120378   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80%  |
| 43) trans-1,3-Dichloropropene- | 7.65   | 79    | 14618    | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.60%  |
| 46) 2-Hexanone-d5              | 8.12   | 63    | 73987    | 44.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.88%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 29325    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 45095    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.20%  |

## Target Compounds

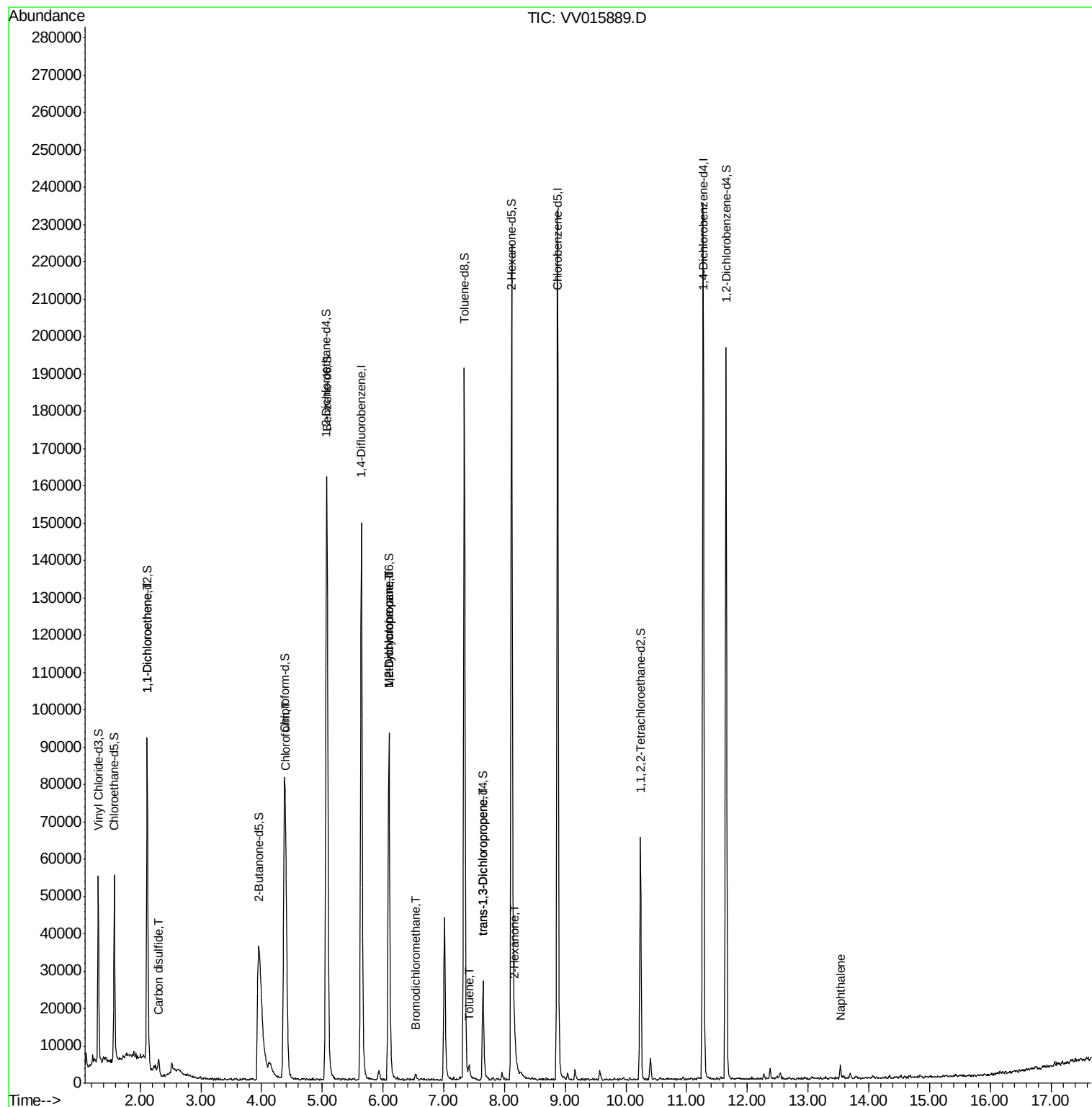
|                               |       |     |       |              | Ovalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 12) 1,1-Dichloroethene        | 2.12  | 96  | 667   | 0.095 ug/L # | 1      |
| 14) Carbon disulfide          | 2.31  | 76  | 3961  | 0.199 ug/L   | 98     |
| 25) Chloroform                | 4.40  | 83  | 35988 | 2.187 ug/L   | 96     |
| 35) Methylcyclohexane         | 6.10  | 83  | 10894 | 0.786 ug/L # | 15     |
| 37) 1,2-Dichloropropane       | 6.10  | 63  | 5486  | 0.660 ug/L # | 86     |
| 38) Bromodichloromethane      | 6.54  | 83  | 1236  | 0.117 ug/L # | 91     |
| 42) Toluene                   | 7.42  | 91  | 2480  | 0.071 ug/L   | 93     |
| 44) trans-1,3-Dichloropropene | 7.64  | 75  | 775   | 0.080 ug/L # | 79     |
| 48) 2-Hexanone                | 8.17  | 43  | 2910  | 0.756 ug/L # | 74     |
| 69) Naphthalene               | 13.53 | 128 | 2689  | 0.125 ug/L # | 91     |

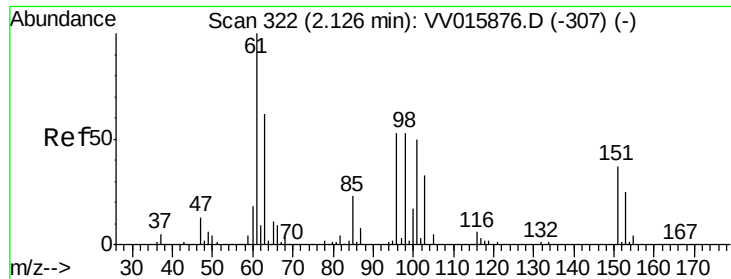
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
ClientSampled :

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue May 05 01:28:45 2020  
Response via : Initial Calibration

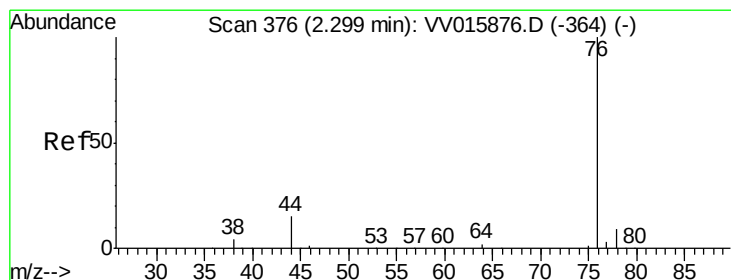
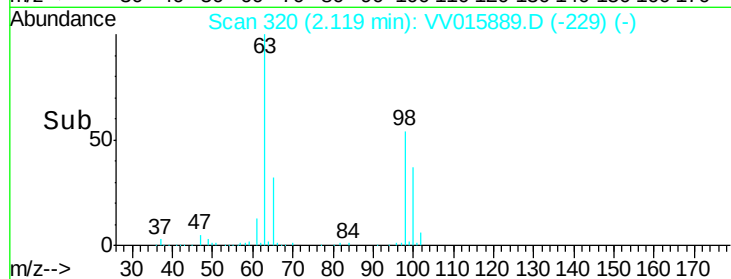
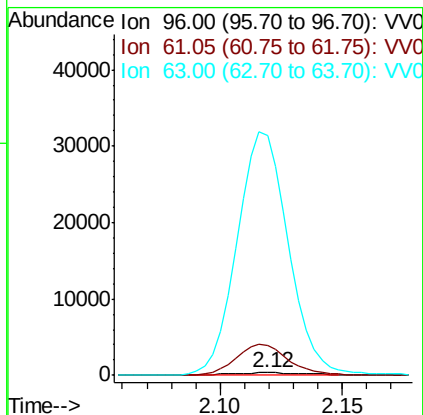
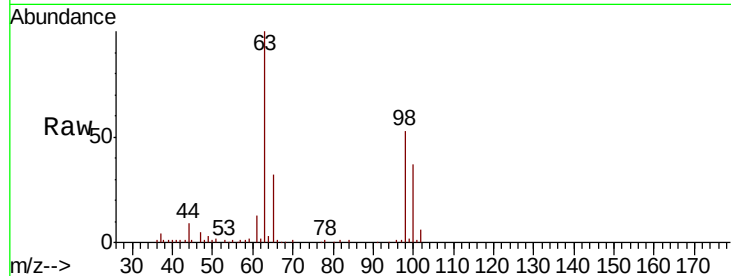




#12  
 1,1-Dichloroethene  
 Concen: 0.095 ug/L  
 RT: 2.12 min Scan# 320  
 Delta R.T. -0.01 min  
 Lab File: VV015889.D  
 Acq: 04 May 2020 16:54

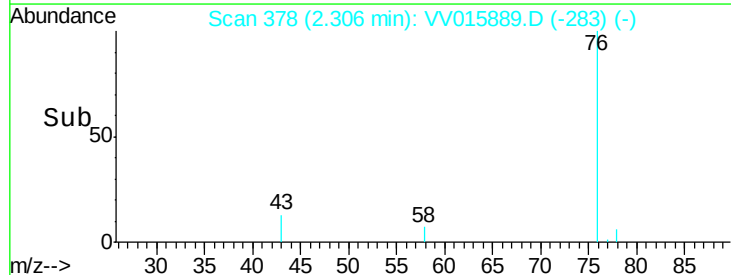
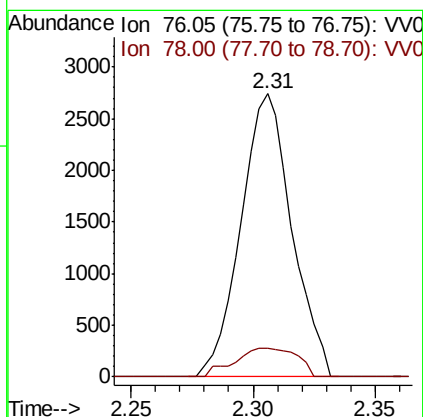
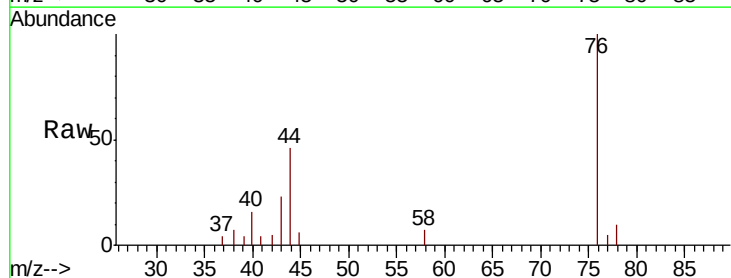
Instrument :  
 MSVOA\_V  
 ClientSampleId :

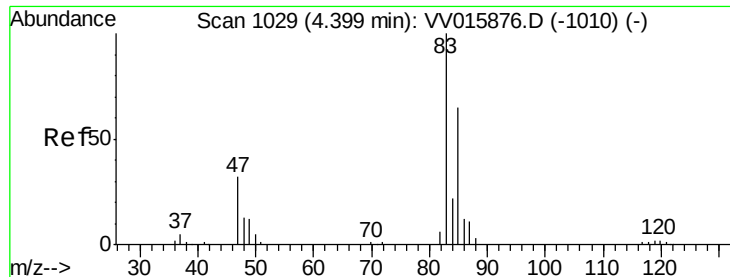
Tot Ion: 96 Resp: 667  
 Ion Ratio Lower Upper  
 96 100  
 61 1035.7 130.1 241.7#  
 63 8228.9 91.4 169.8#



#14  
 Carbon disulfide  
 Concen: 0.199 ug/L  
 RT: 2.31 min Scan# 378  
 Delta R.T. 0.01 min  
 Lab File: VV015889.D  
 Acq: 04 May 2020 16:54

Tgt Ion: 76 Resp: 3961  
 Ion Ratio Lower Upper  
 76 100  
 78 10.1 7.4 11.0

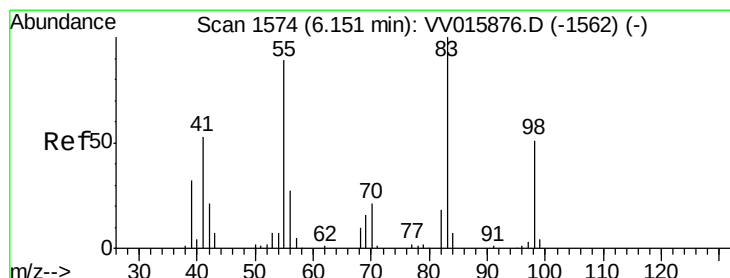
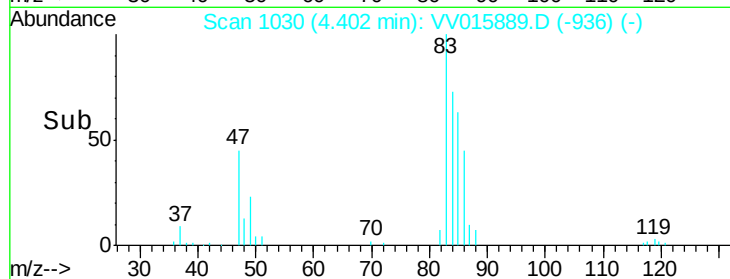
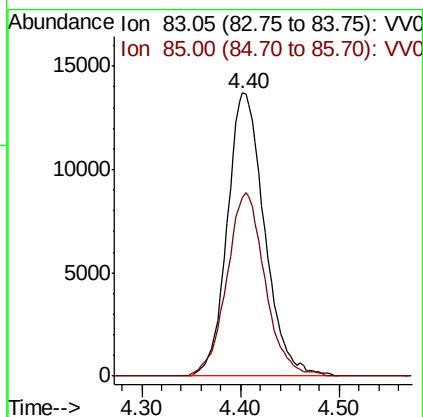
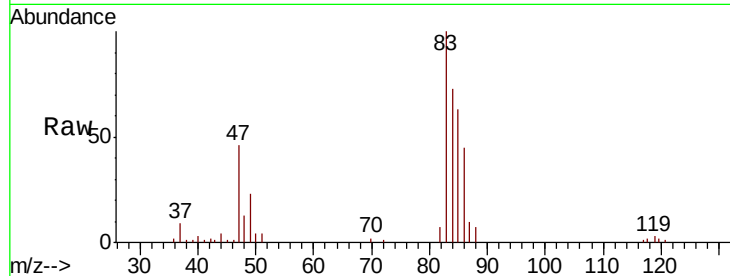




#25  
Chloroform  
Concen: 2.187 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. 0.00 min  
Lab File: VV015889.D  
Acq: 04 May 2020 16:54

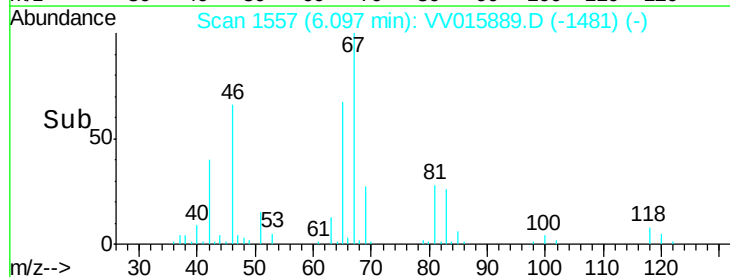
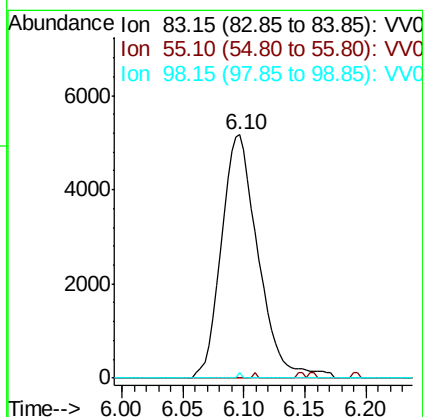
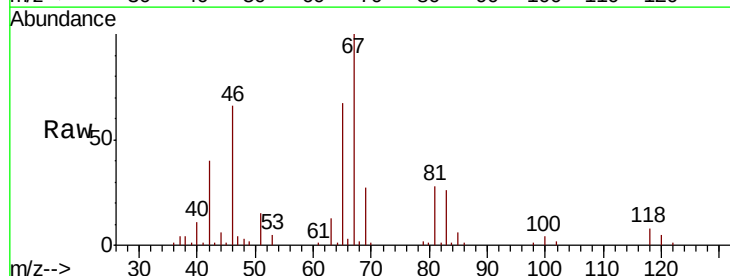
Instrument :  
MSVOA\_V  
ClientSampleId :

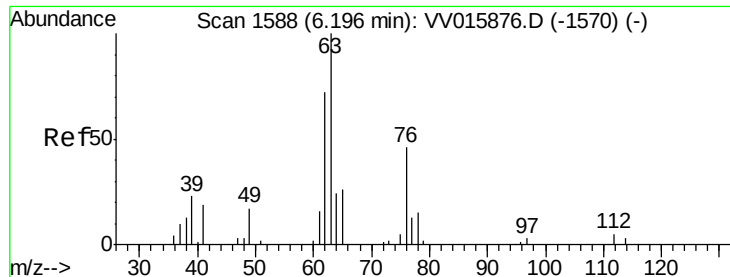
Tot Ion: 83 Resp: 35988  
Ion Ratio Lower Upper  
83 100  
85 63.0 46.1 85.5



#35  
Methylcyclohexane  
Concen: 0.786 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.05 min  
Lab File: VV015889.D  
Acq: 04 May 2020 16:54

Tgt Ion: 83 Resp: 10894  
Ion Ratio Lower Upper  
83 100  
55 0.2 66.6 99.8#  
98 0.2 39.5 59.3#

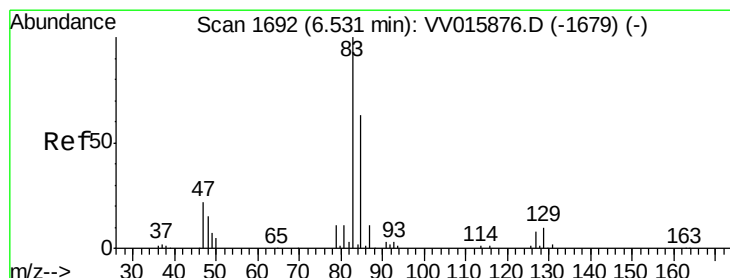
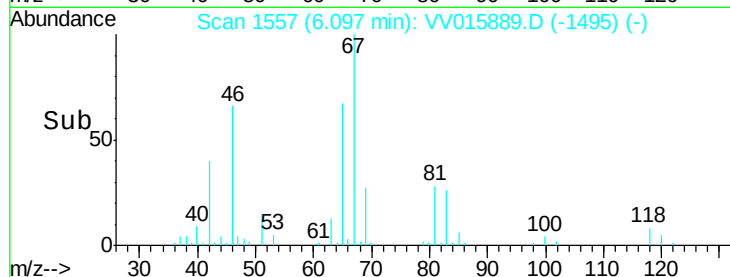
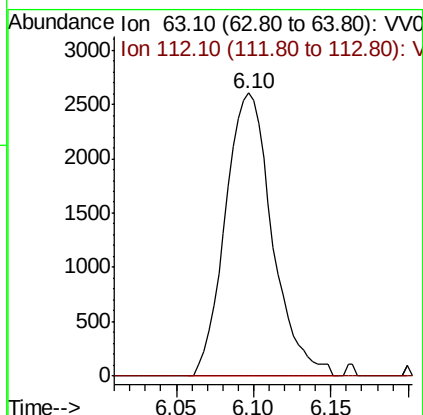
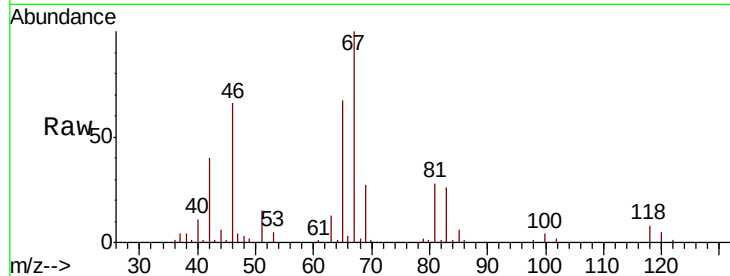




#37  
 1,2-Dichloropropane  
 Concen: 0.660 ug/L  
 RT: 6.10 min Scan# 1557  
 Delta R.T. -0.10 min  
 Lab File: VV015889.D  
 Acq: 04 May 2020 16:54

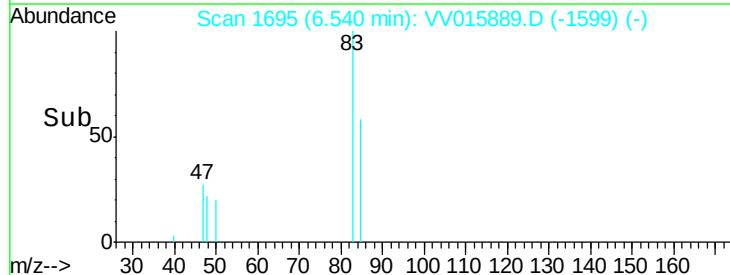
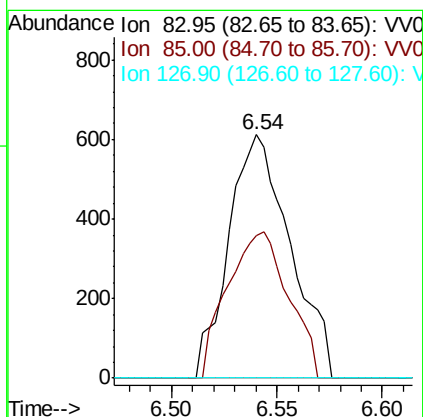
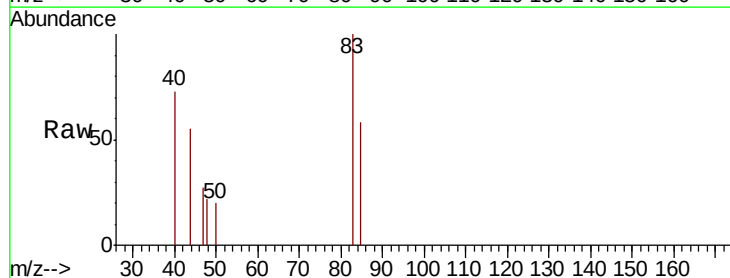
Instrument :  
 MSVOA\_V  
 ClientSampled :

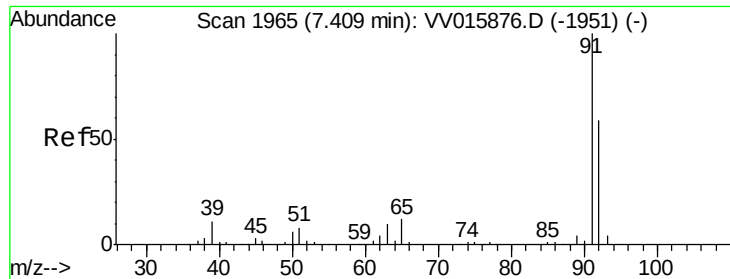
Tot Ion: 63 Resp: 5486  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.6 5.4#



#38  
 Bromodichloromethane  
 Concen: 0.117 ug/L  
 RT: 6.54 min Scan# 1695  
 Delta R.T. 0.01 min  
 Lab File: VV015889.D  
 Acq: 04 May 2020 16:54

Tgt Ion: 83 Resp: 1236  
 Ion Ratio Lower Upper  
 83 100  
 85 58.3 44.7 83.1  
 127 0.0 5.8 8.6#





#42

Toluene

Concen: 0.071 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV015889.D

Acq: 04 May 2020 16:54

Instrument :

MSVOA\_V

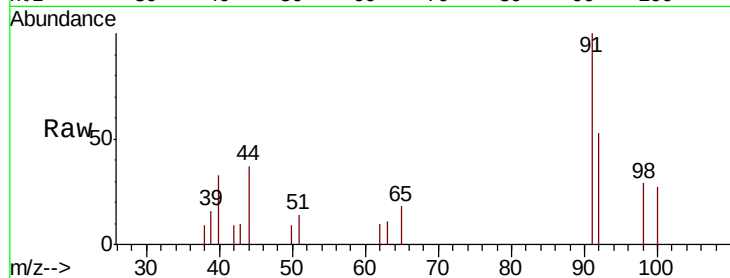
ClientSampleId :

Tot Ion: 91 Resp: 2480

Ion Ratio Lower Upper

91 100

92 52.9 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

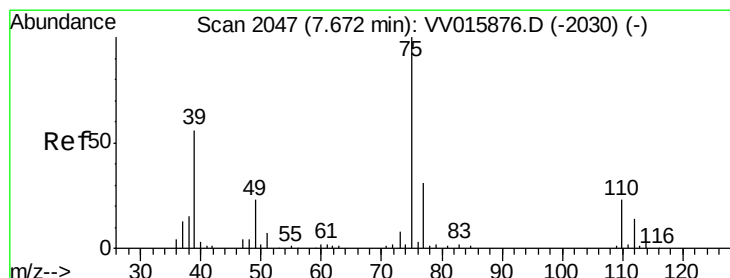
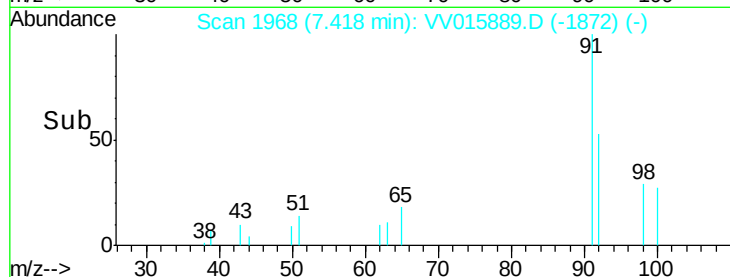
1500

1000

500

0

Time--> 7.35 7.40 7.45



#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015889.D

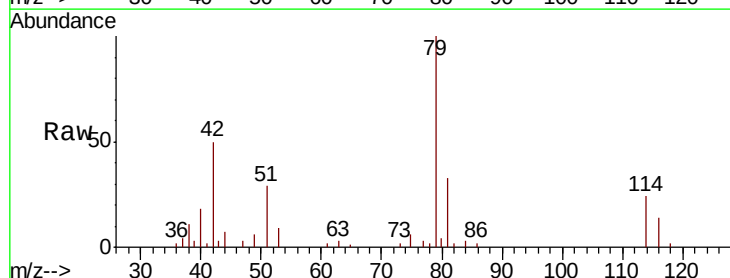
Acq: 04 May 2020 16:54

Tgt Ion: 75 Resp: 775

Ion Ratio Lower Upper

75 100

77 42.9 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

500

400

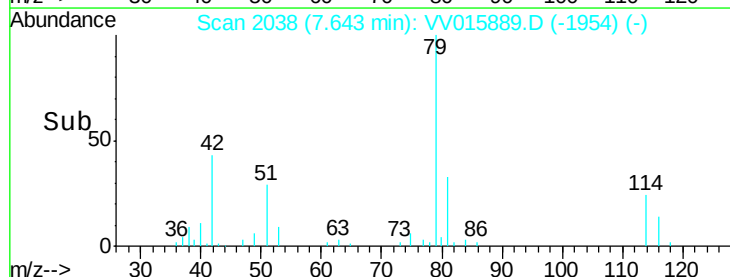
300

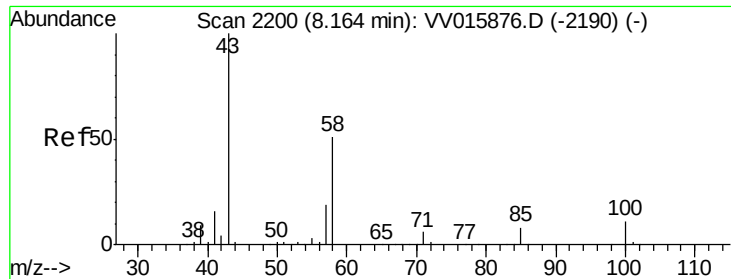
200

100

0

Time--> 7.60 7.65

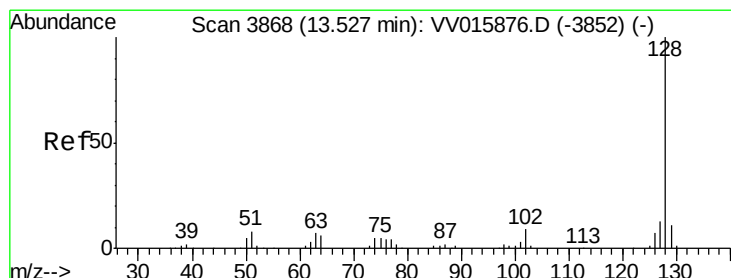
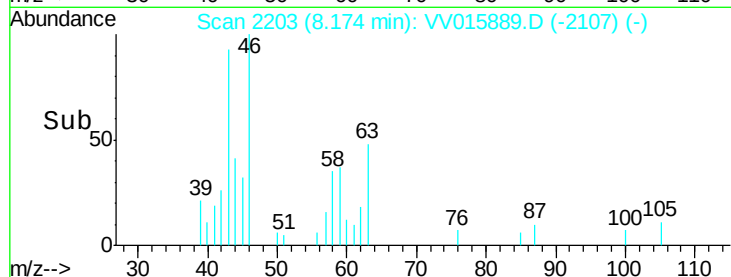
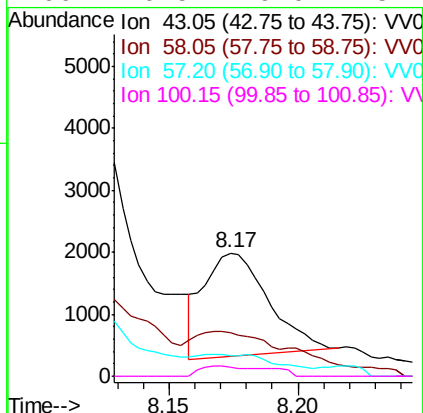
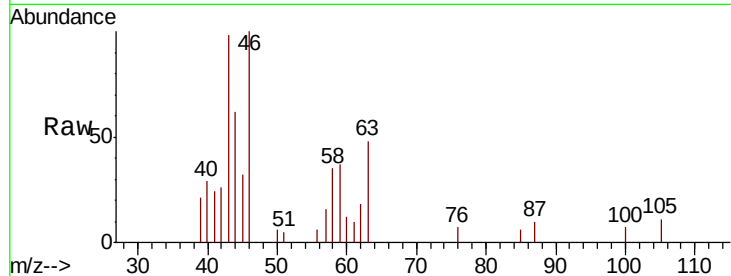




#48  
2-Hexanone  
Concen: 0.756 ug/L  
RT: 8.17 min Scan# 2203  
Delta R.T. 0.01 min  
Lab File: VV015889.D  
Acq: 04 May 2020 16:54

Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 43 Resp: 2910  
Ion Ratio Lower Upper  
43 100  
58 71.5 41.1 61.7#  
57 6.2 15.0 22.4#  
100 6.5 9.0 13.4#



#69  
Naphthalene  
Concen: 0.125 ug/L  
RT: 13.53 min Scan# 3869  
Delta R.T. 0.00 min  
Lab File: VV015889.D  
Acq: 04 May 2020 16:54

Tgt Ion: 128 Resp: 2689  
Ion Ratio Lower Upper  
128 100  
129 6.5 8.4 12.6#  
127 9.6 10.2 15.4#

