

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\  
 Data File : VV015574.D  
 Acq On : 20 Apr 2020 11:48  
 Operator : SY/MD  
 Sample : L2333-13  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 21 00:08:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR040920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Apr 21 00:05:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 87172    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 81254    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 38542    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 20658    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 21124    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.40% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 34379    | 3.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.20%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 78032    | 61.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 122.88% |
| 24) Chloroform-d               | 4.38   | 84    | 51888    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.60% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 30045    | 5.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 111.40% |
| 32) Benzene-d6                 | 5.08   | 84    | 95627    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.00% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 31254    | 5.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 111.40% |
| 41) Toluene-d8                 | 7.34   | 98    | 79797    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80%  |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 8241     | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 67.40%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 55583    | 47.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.40%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 23258    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 31258    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.00% |

## Target Compounds

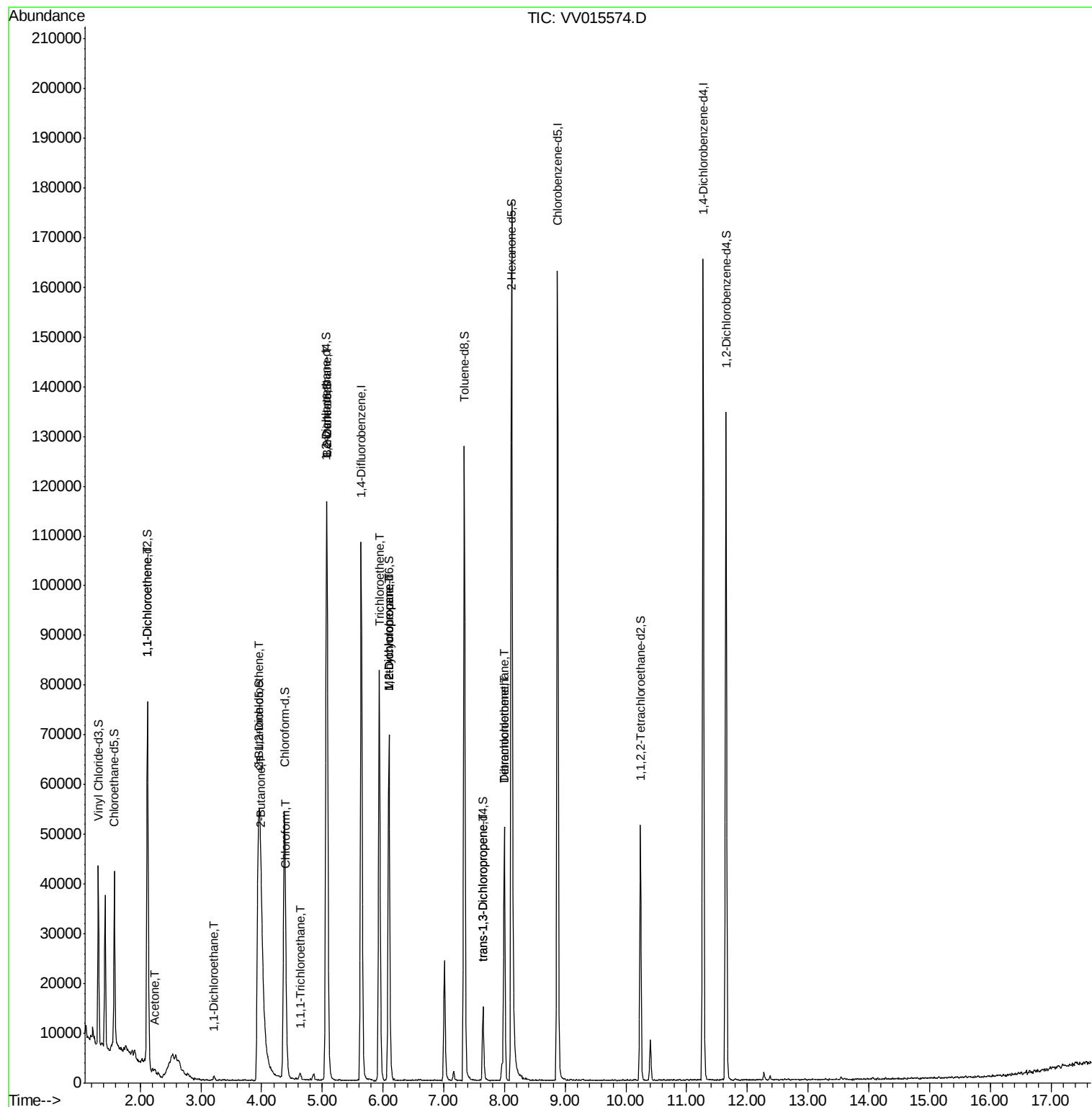
| Target Compounds              | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene        | 2.13 | 96   | 7704     | 1.408 | ug/L # | 45     |
| 13) Acetone                   | 2.24 | 43   | 1892     | 2.109 | ug/L   | 87     |
| 19) 1,1-Dichloroethane        | 3.21 | 63   | 1115     | 0.096 | ug/L # | 80     |
| 21) 2-Butanone                | 4.00 | 43   | 1404     | 0.968 | ug/L # | 73     |
| 22) cis-1,2-Dichloroethene    | 3.94 | 96   | 4005     | 0.626 | ug/L   | 98     |
| 25) Chloroform                | 4.41 | 83   | 7474     | 0.628 | ug/L   | 100    |
| 27) 1,2-Dichloroethane        | 5.08 | 62   | 733      | 0.095 | ug/L # | 77     |
| 29) 1,1,1-Trichloroethane     | 4.63 | 97   | 1325     | 0.126 | ug/L   | 92     |
| 34) Trichloroethene           | 5.94 | 95   | 28172    | 4.304 | ug/L   | 95     |
| 35) Methylcyclohexane         | 6.10 | 83   | 8047     | 0.730 | ug/L # | 17     |
| 37) 1,2-Dichloropropane       | 6.09 | 63   | 4053     | 0.672 | ug/L # | 86     |
| 44) trans-1,3-Dichloropropene | 7.64 | 75   | 422      | 0.054 | ug/L # | 80     |
| 47) Tetrachloroethene         | 8.00 | 164  | 10267    | 2.117 | ug/L   | 97     |
| 49) Dibromochloromethane      | 8.00 | 129  | 10211    | 2.102 | ug/L # | 10     |

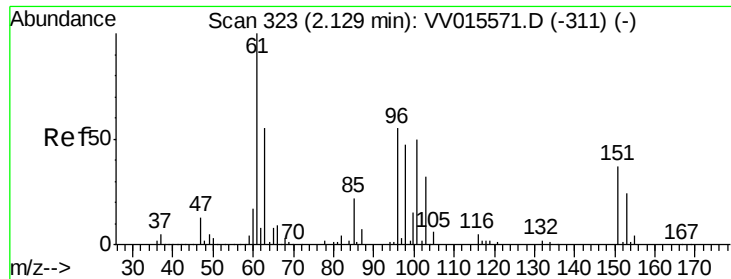
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042020\  
Data File : VV015574.D  
Acq On : 20 Apr 2020 11:48  
Operator : SY/MD  
Sample : L2333-13  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Apr 21 00:08:19 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR040920WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Apr 21 00:05:52 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.408 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015574.D

Acq: 20 Apr 2020 11:48

Instrument :  
MSVOA\_V  
ClientSampled :

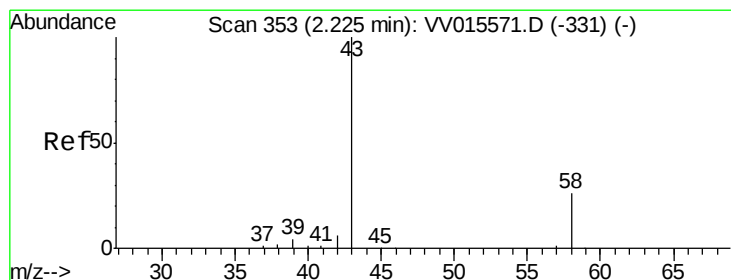
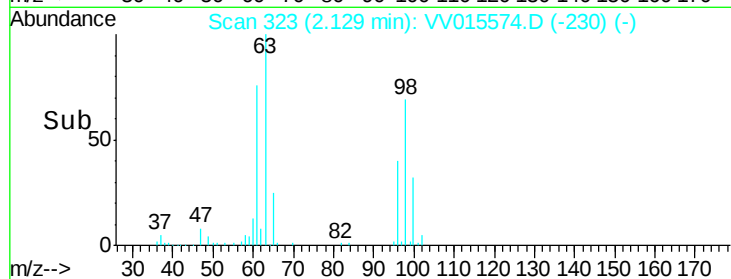
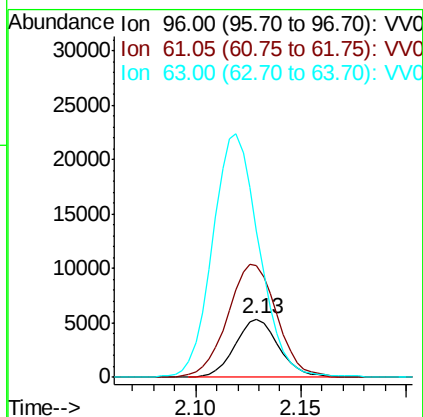
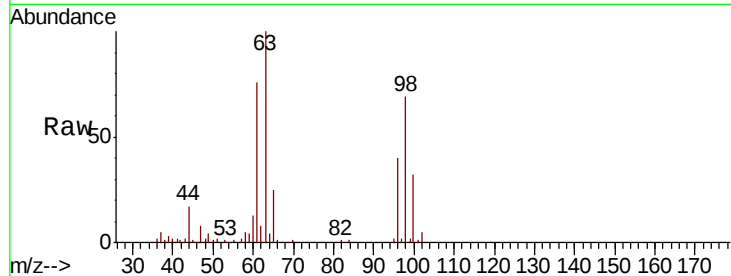
Tot Ion: 96 Resp: 7704

Ion Ratio Lower Upper

96 100

61 191.0 127.7 237.1

63 251.6 75.1 139.5#



#13

Acetone

Concen: 2.109 ug/L

RT: 2.24 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV015574.D

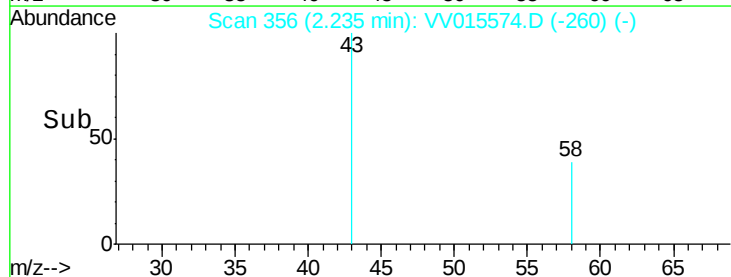
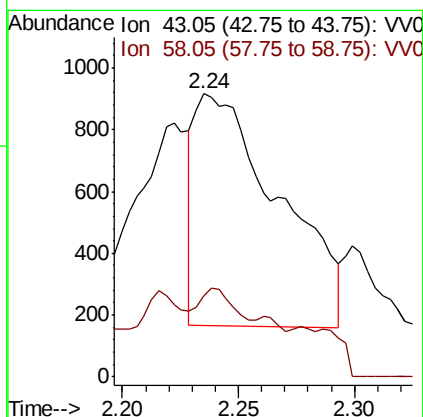
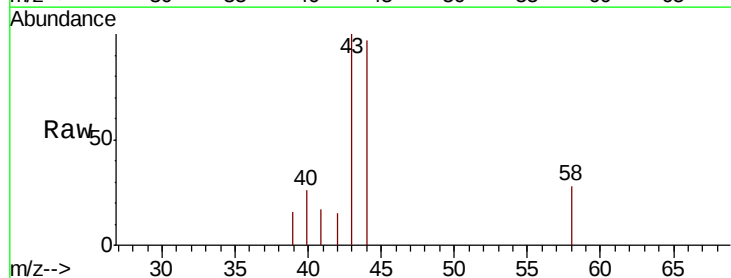
Acq: 20 Apr 2020 11:48

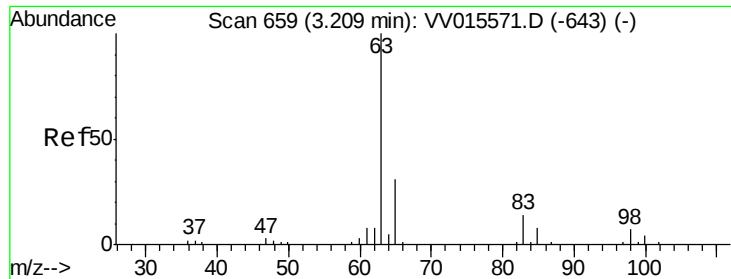
Tgt Ion: 43 Resp: 1892

Ion Ratio Lower Upper

43 100

58 6.1 0.0 22.2

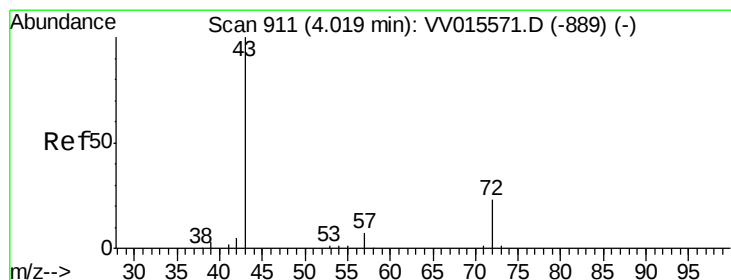
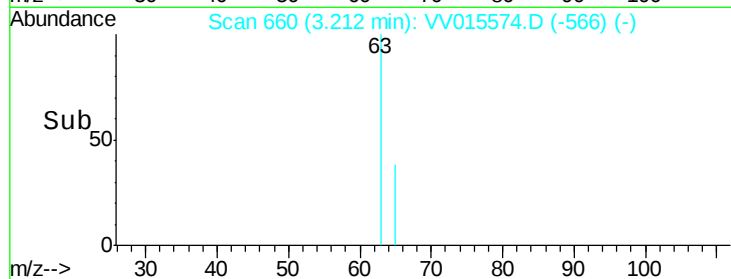
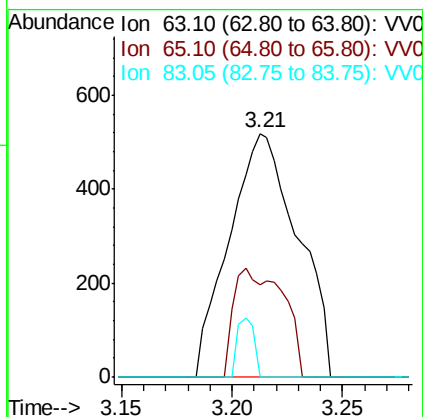
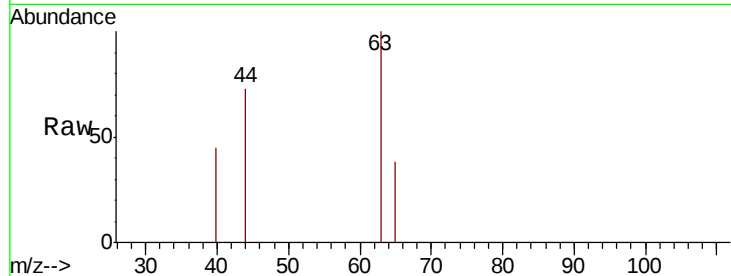




#19  
 1,1-Dichloroethane  
 Concen: 0.096 ug/L  
 RT: 3.21 min Scan# 660  
 Delta R.T. 0.00 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

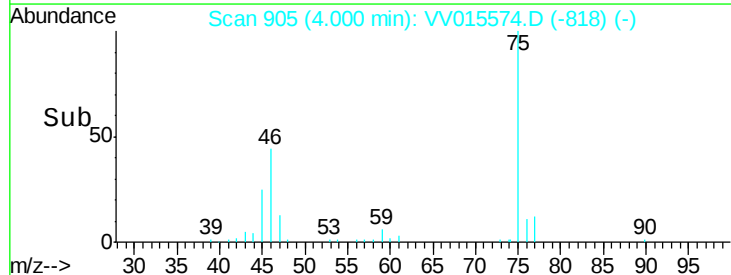
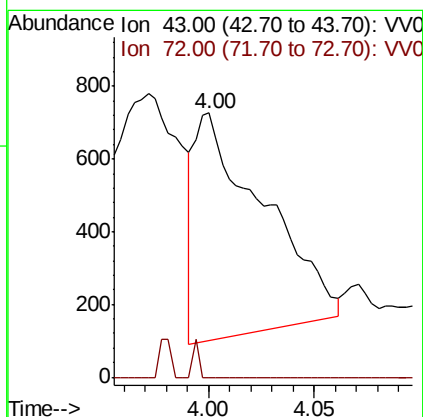
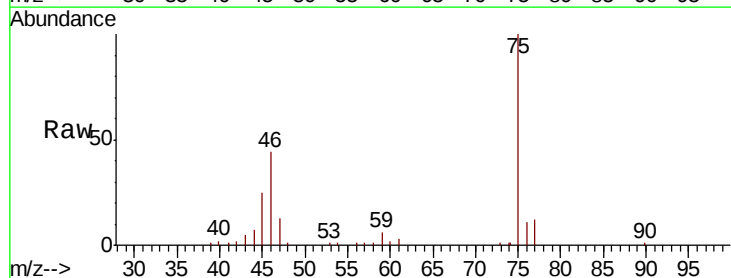
Instrument :  
 MSVOA\_V  
 ClientSampleId :

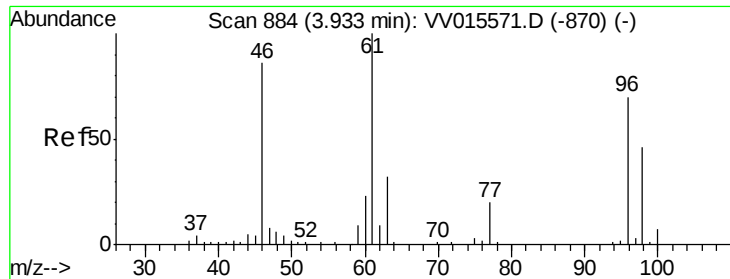
Tot Ion: 63 Resp: 1115  
 Ion Ratio Lower Upper  
 63 100  
 65 38.0 21.3 39.6  
 83 0.0 9.4 17.6#



#21  
 2-Butanone  
 Concen: 0.968 ug/L  
 RT: 4.00 min Scan# 905  
 Delta R.T. -0.02 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

Tgt Ion: 43 Resp: 1404  
 Ion Ratio Lower Upper  
 43 100  
 72 1.4 5.9 17.8#

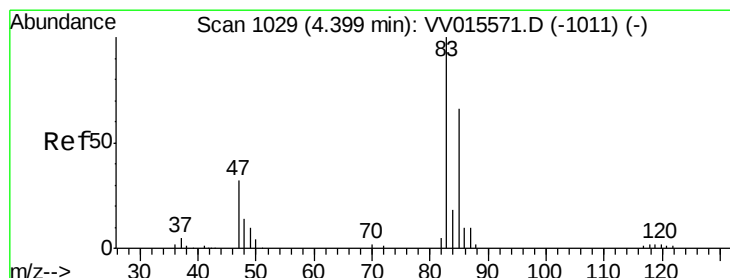
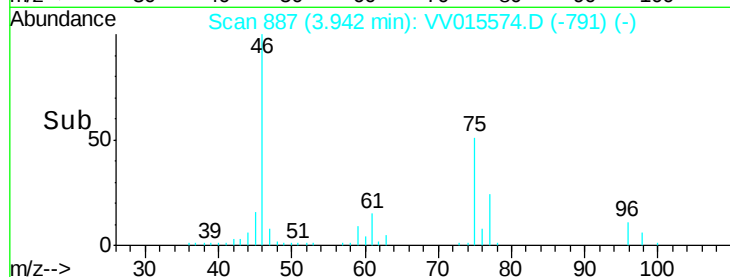
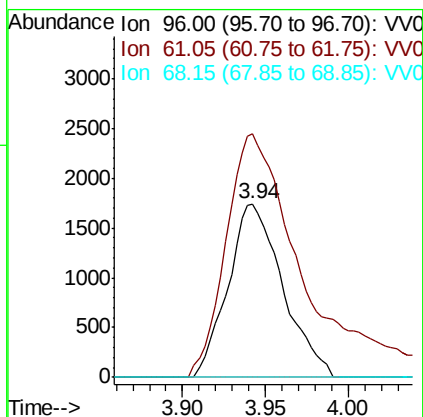
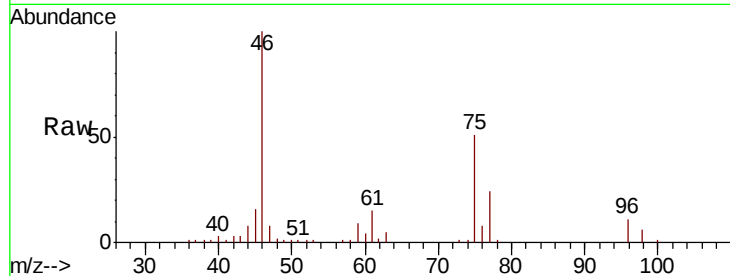




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.626 ug/L  
 RT: 3.94 min Scan# 887  
 Delta R.T. 0.01 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

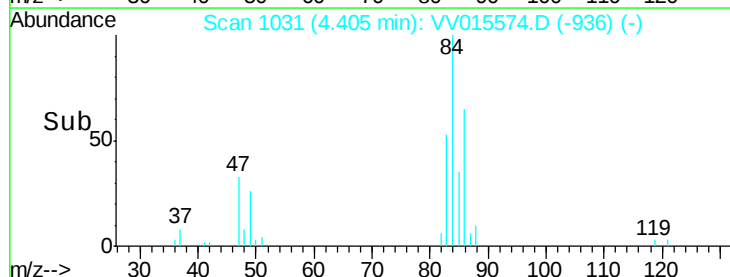
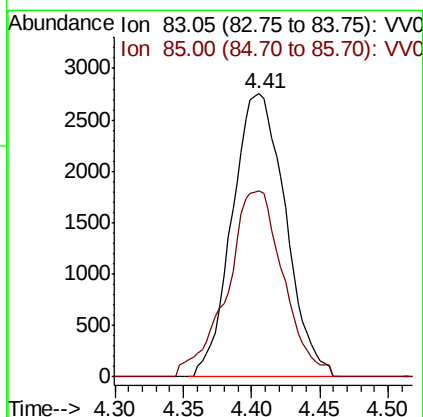
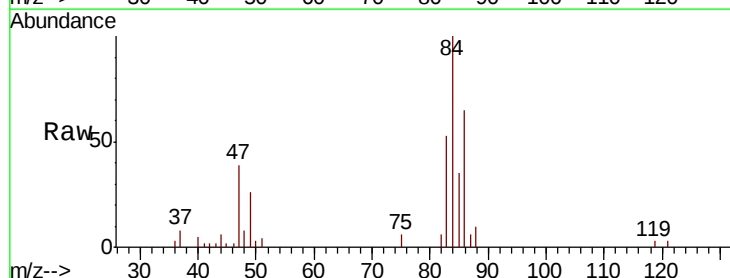
Instrument :  
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 ClientSampleId :

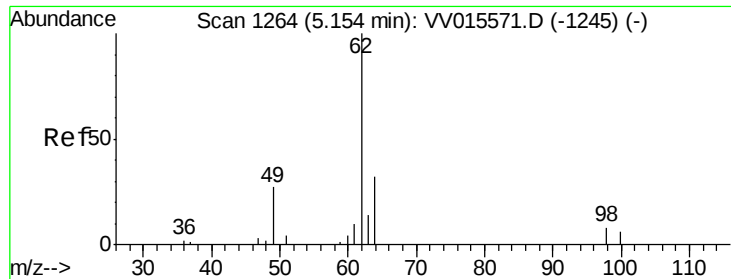
Tot Ion: 96 Resp: 4005  
 Ion Ratio Lower Upper  
 96 100  
 61 140.4 100.0 185.8  
 68 0.0 0.0 0.0



#25  
 Chloroform  
 Concen: 0.628 ug/L  
 RT: 4.41 min Scan# 1031  
 Delta R.T. 0.01 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

Tgt Ion: 83 Resp: 7474  
 Ion Ratio Lower Upper  
 83 100  
 85 66.0 45.9 85.3

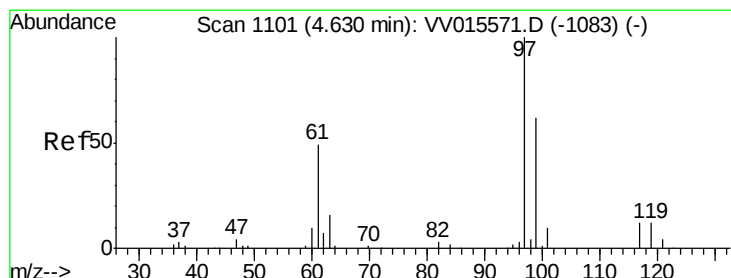
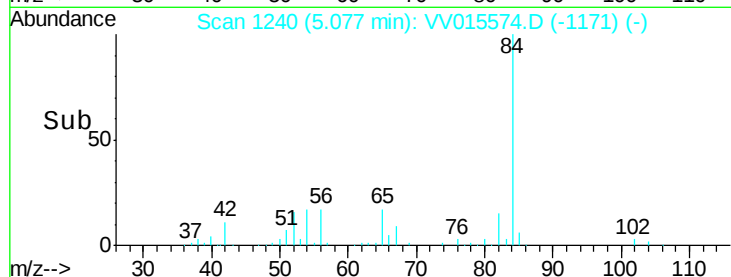
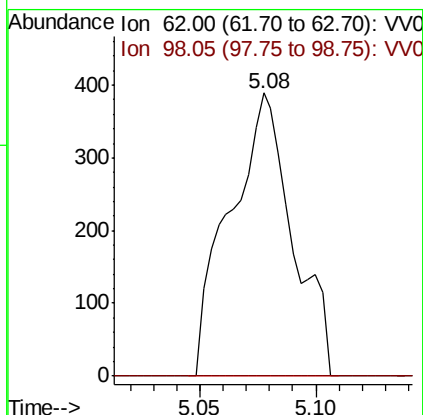
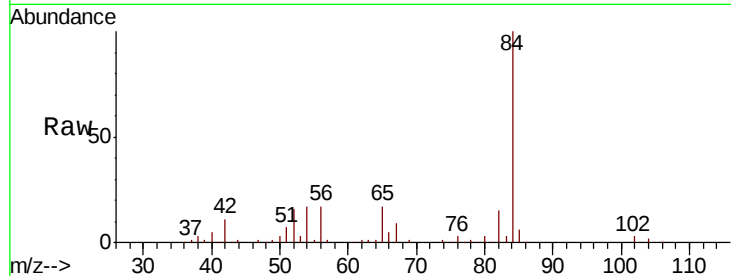




#27  
 1,2-Dichloroethane  
 Concen: 0.095 ug/L  
 RT: 5.08 min Scan# 1240  
 Delta R.T. -0.08 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

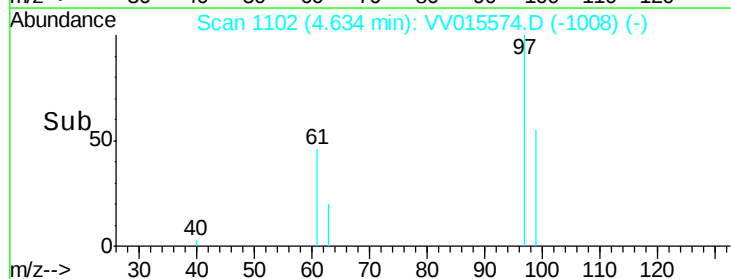
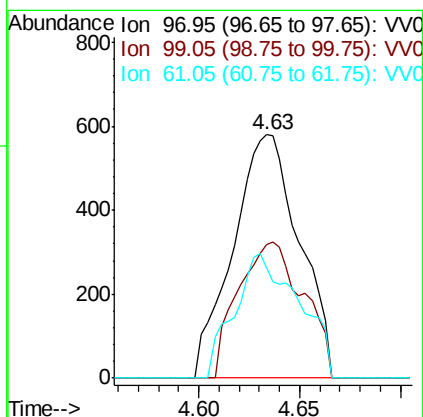
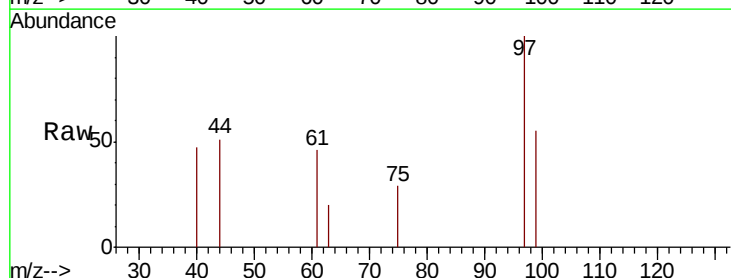
Instrument :  
 MSVOA\_V  
 ClientSampleId :

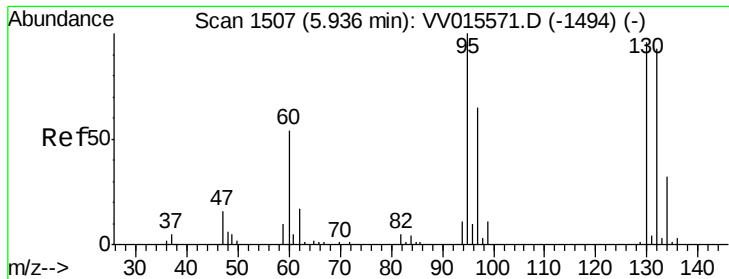
Tot Ion: 62 Resp: 733  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.6 10.0#



#29  
 1,1,1-Trichloroethane  
 Concen: 0.126 ug/L  
 RT: 4.63 min Scan# 1102  
 Delta R.T. 0.00 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

Tgt Ion: 97 Resp: 1325  
 Ion Ratio Lower Upper  
 97 100  
 99 55.1 51.6 77.4  
 61 49.9 39.0 58.6

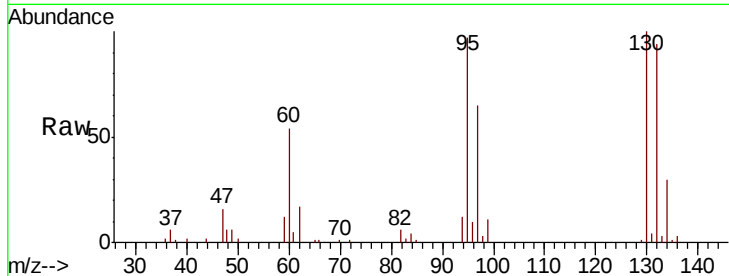




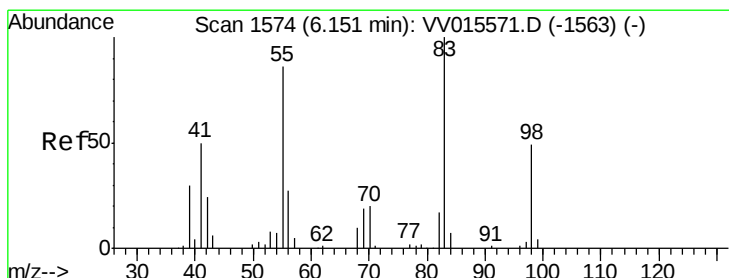
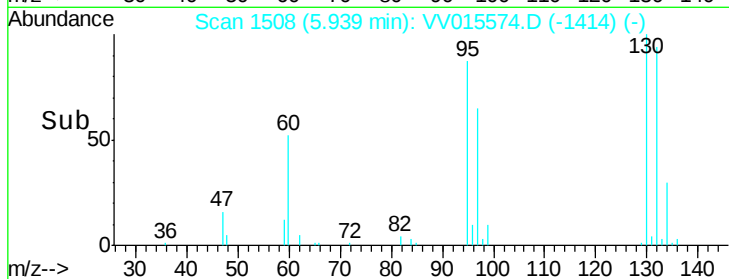
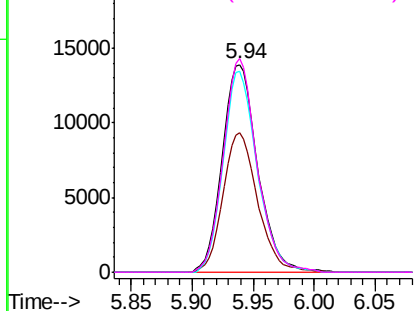
#34  
 Trichloroethene  
 Concen: 4.304 ug/L  
 RT: 5.94 min Scan# 1508  
 Delta R.T. 0.00 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion: 95 Resp: 28172  
 Ion Ratio Lower Upper  
 95 100  
 97 66.9 45.4 84.4  
 132 96.6 64.8 120.4  
 130 102.7 67.4 125.2

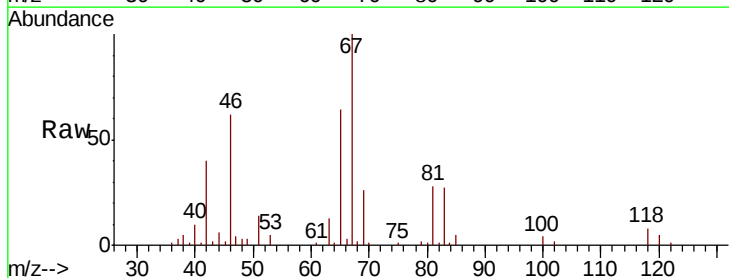


Abundance Ion 95.00 (94.70 to 95.70): VV0  
 Ion 96.95 (96.65 to 97.65): VV0  
 Ion 131.95 (131.65 to 132.65): VV0  
 Ion 129.95 (129.65 to 130.65): VV0

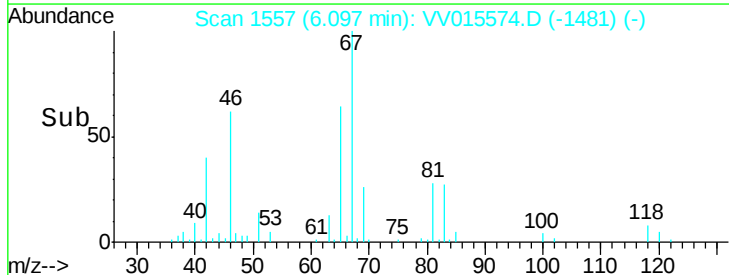
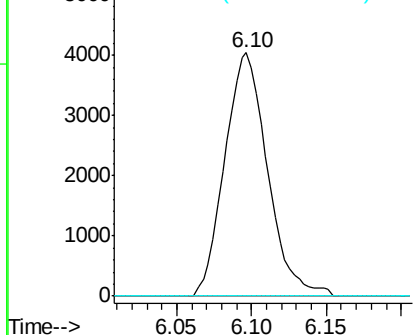


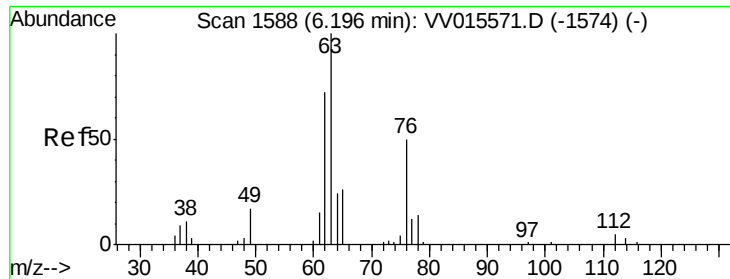
#35  
 Methylcyclohexane  
 Concen: 0.730 ug/L  
 RT: 6.10 min Scan# 1557  
 Delta R.T. -0.05 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

Tgt Ion: 83 Resp: 8047  
 Ion Ratio Lower Upper  
 83 100  
 55 0.0 66.6 99.8#  
 98 2.1 38.7 58.1#



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

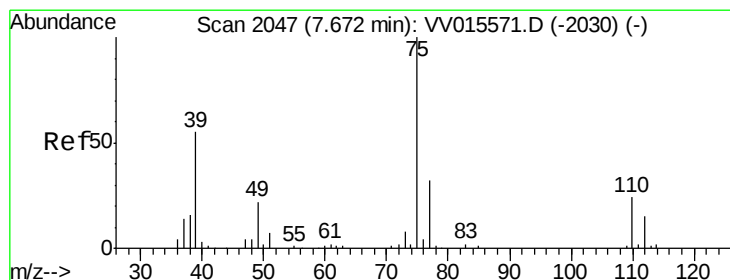
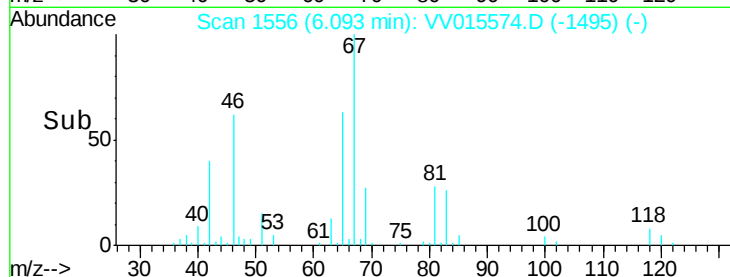
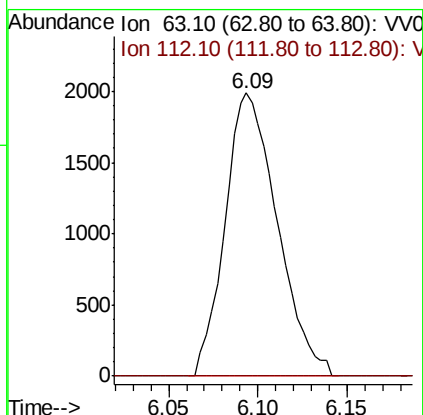
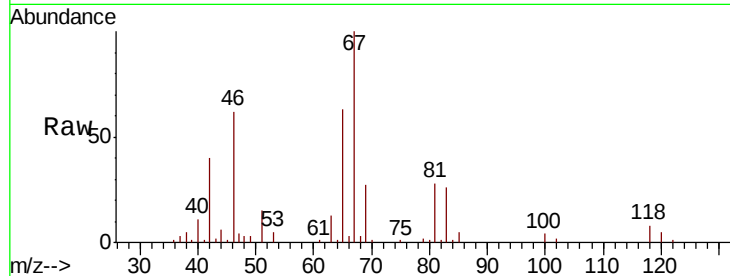




#37  
 1,2-Dichloropropane  
 Concen: 0.672 ug/L  
 RT: 6.09 min Scan# 1556  
 Delta R.T. -0.10 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

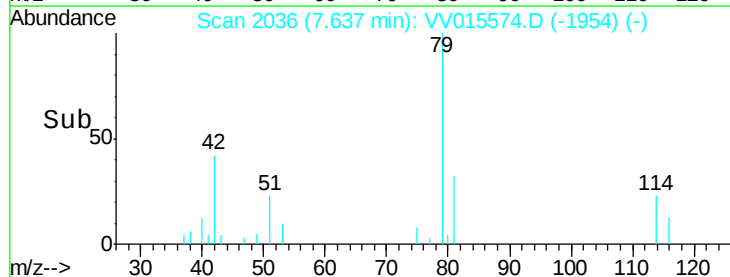
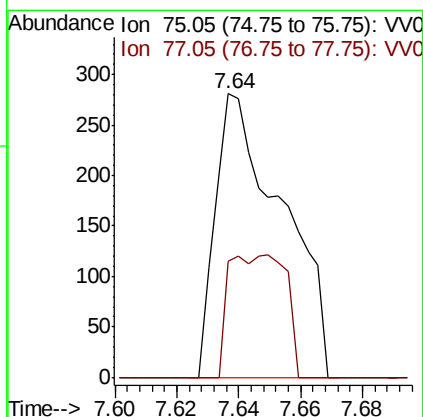
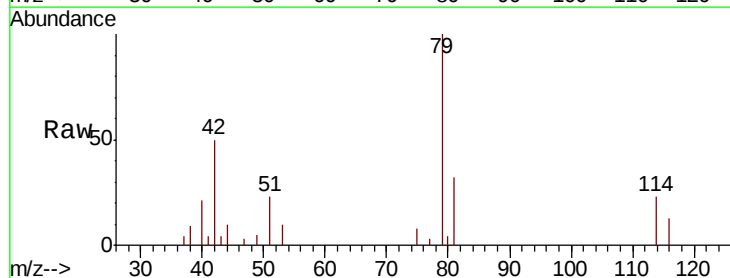
Instrument :  
 MSVOA\_V  
 ClientSampled :

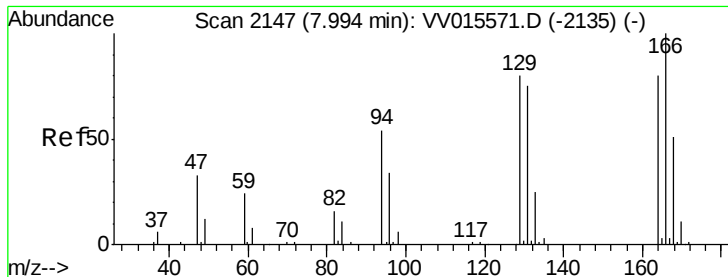
Tot Ion: 63 Resp: 4053  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.6 5.4#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.054 ug/L  
 RT: 7.64 min Scan# 2036  
 Delta R.T. -0.04 min  
 Lab File: VV015574.D  
 Acq: 20 Apr 2020 11:48

Tgt Ion: 75 Resp: 422  
 Ion Ratio Lower Upper  
 75 100  
 77 40.9 21.0 39.0#

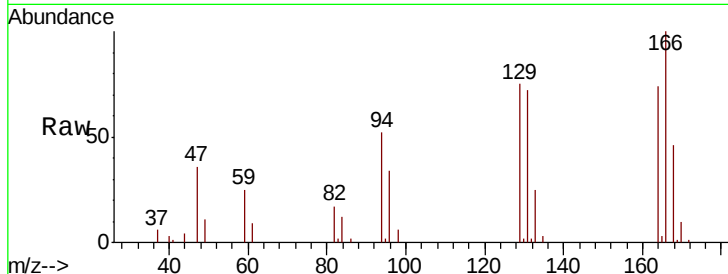




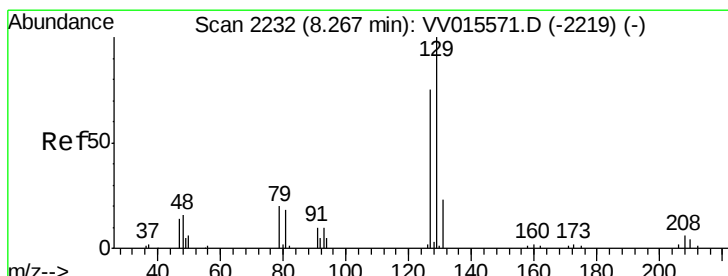
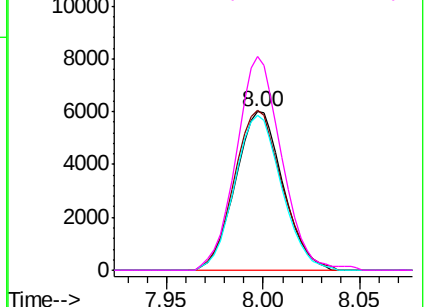
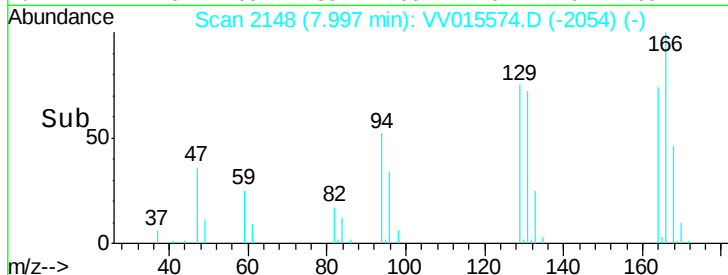
#47  
Tetrachloroethene  
Concen: 2.117 ug/L  
RT: 8.00 min Scan# 2148  
Delta R.T. 0.00 min  
Lab File: VV015574.D  
Acq: 20 Apr 2020 11:48

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:164 Resp: 10267  
Ion Ratio Lower Upper  
164 100  
129 101.3 70.6 131.0  
131 97.7 68.3 126.8  
166 134.7 88.3 163.9

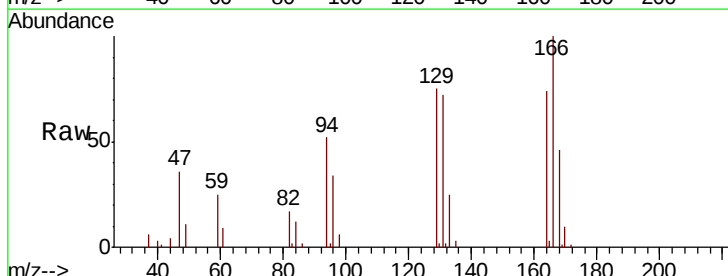


Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V



#49  
Dibromochloromethane  
Concen: 2.102 ug/L  
RT: 8.00 min Scan# 2148  
Delta R.T. -0.27 min  
Lab File: VV015574.D  
Acq: 20 Apr 2020 11:48

Tgt Ion:129 Resp: 10211  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V  
Ion 126.90 (126.60 to 127.60): V

