

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\  
 Data File : VV019006.D  
 Acq On : 20 Oct 2020 12:02  
 Operator : SY/MD  
 Sample : L4430-04  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 21 06:09:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 21 06:02:04 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 291146   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 289608   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 134939   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 74333    | 31.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 62.04%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 76913    | 40.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.02%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 132907   | 29.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.76%# |
| 21) 2-Butanone-d5              | 3.91    | 46    | 152488   | 91.28    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.28%  |
| 24) Chloroform-d               | 4.38    | 84    | 172674   | 40.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 123820   | 43.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.64%  |
| 32) Benzene-d6                 | 5.08    | 84    | 326453   | 38.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 77.22%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 112387   | 41.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 83.16%  |
| 41) Toluene-d8                 | 7.34    | 98    | 284105   | 37.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 74.92%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 50351    | 38.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.22%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 78277    | 77.95    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 77.95%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 124842   | 39.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 78.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 123138   | 44.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.70%  |

## Target Compounds

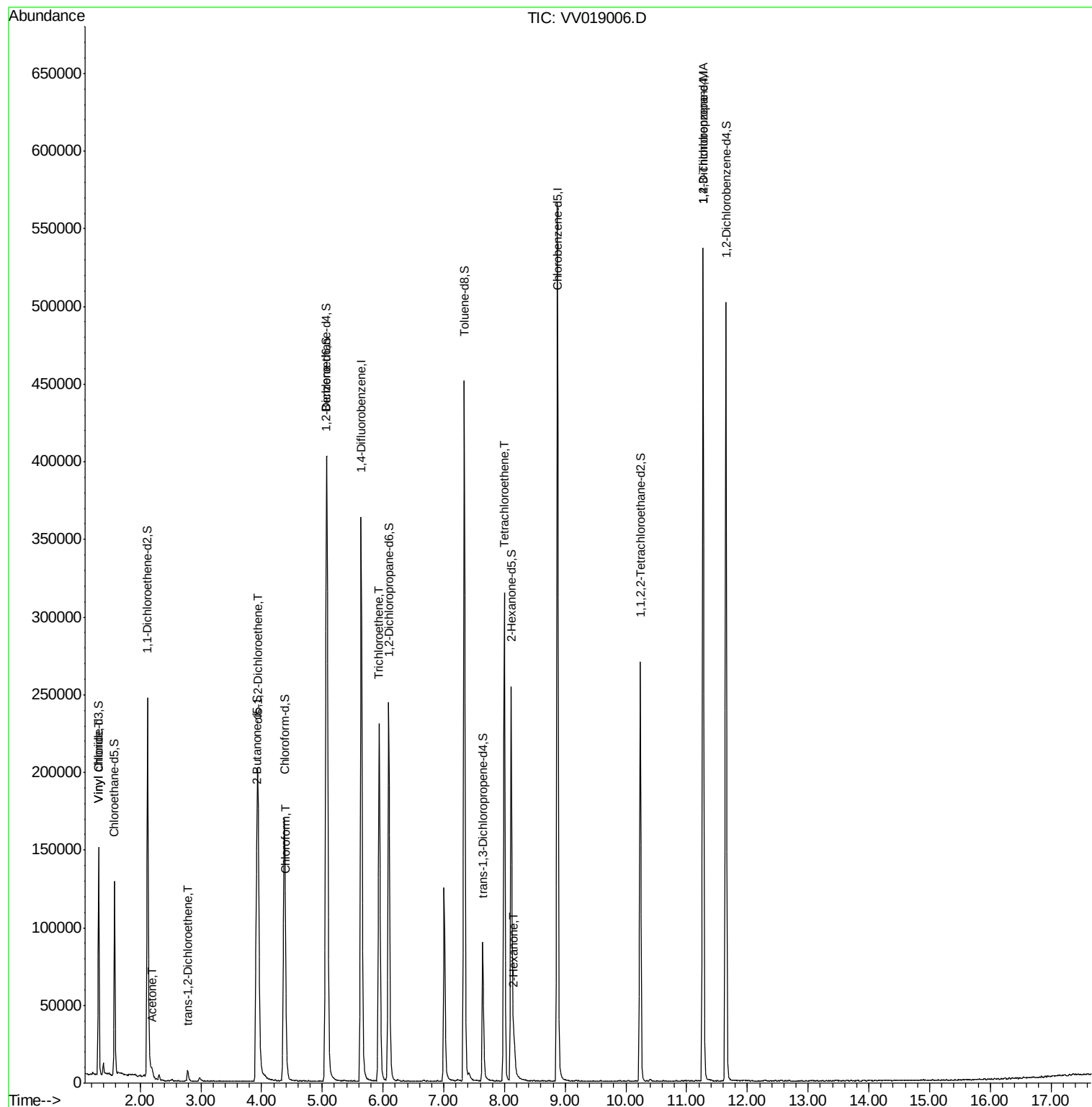
| Target Compounds             | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|------------------------------|-------|------|----------|--------|--------|--------|
| 5) Vinyl chloride            | 1.32  | 62   | 18875    | 6.869  | ug/L   | 97     |
| 13) Acetone                  | 2.19  | 43   | 8759     | 7.176  | ug/L   | 74     |
| 17) trans-1,2-Dichloroethene | 2.78  | 96   | 2559     | 1.204  | ug/L   | 90     |
| 20) cis-1,2-Dichloroethene   | 3.94  | 96   | 88121    | 39.132 | ug/L   | 96     |
| 25) Chloroform               | 4.40  | 83   | 3984     | 0.958  | ug/L   | 93     |
| 34) Trichloroethene          | 5.94  | 95   | 73546    | 28.728 | ug/L   | 99     |
| 46) Tetrachloroethene        | 8.00  | 164  | 68039    | 37.710 | ug/L   | 95     |
| 48) 2-Hexanone               | 8.16  | 43   | 11950    | 4.599  | ug/L # | 95     |
| 59) 1,2,3-Trichloropropane   | 11.27 | 75   | 15719    | 5.464  | ug/L   | 90     |

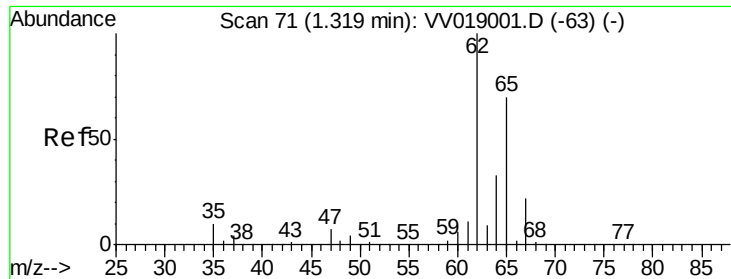
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Oct 21 06:09:43 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Oct 21 06:02:04 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.869 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019006.D

Acq: 20 Oct 2020 12:02

Instrument :

MSVOA\_V

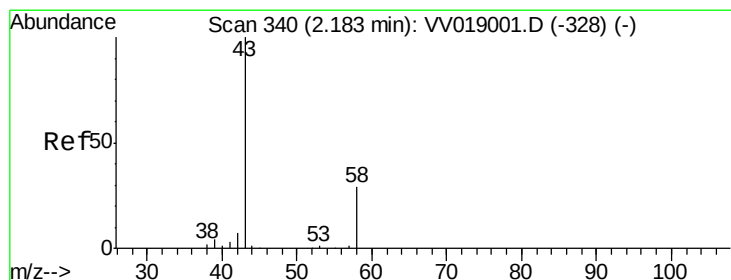
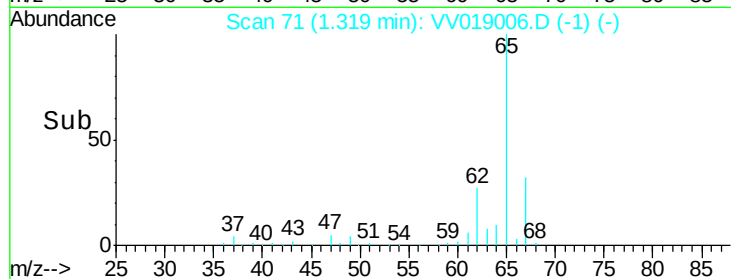
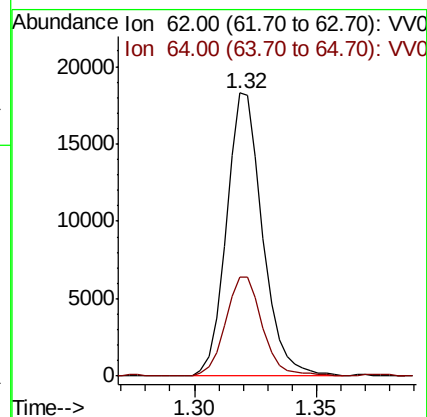
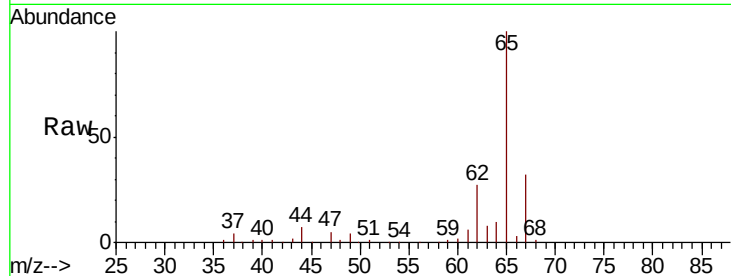
ClientSampled :

Tot Ion: 62 Resp: 18875

Ion Ratio Lower Upper

62 100

64 35.0 23.2 43.2



#13

Acetone

Concen: 7.176 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV019006.D

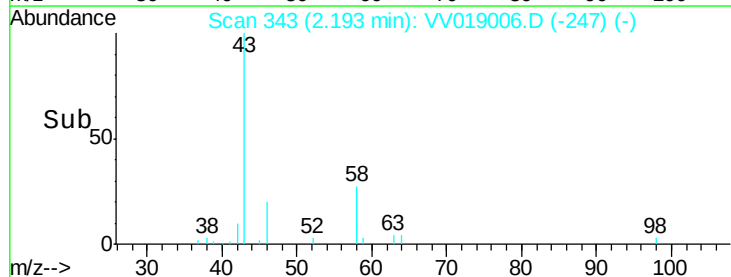
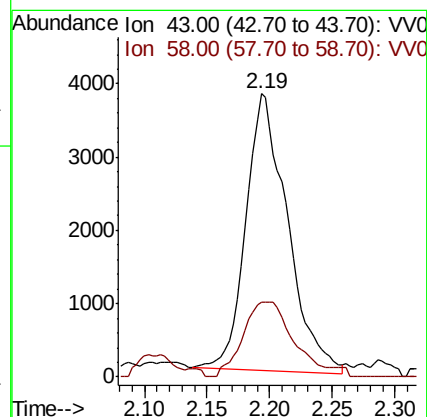
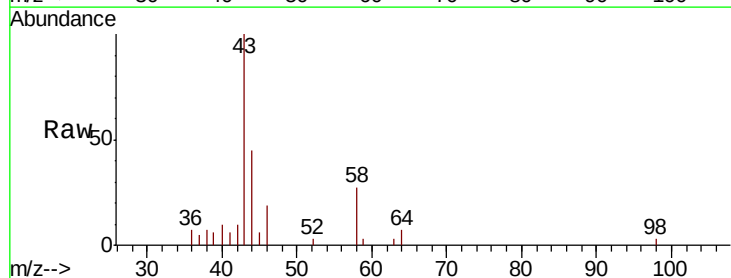
Acq: 20 Oct 2020 12:02

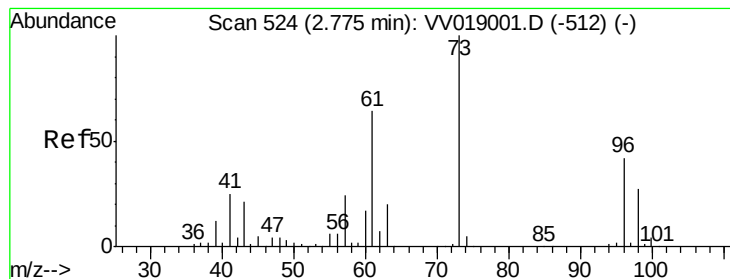
Tgt Ion: 43 Resp: 8759

Ion Ratio Lower Upper

43 100

58 15.3 0.0 58.8





#17

trans-1,2-Dichloroethene

Concen: 1.204 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV019006.D

Acq: 20 Oct 2020 12:02

Instrument :

MSVOA\_V

ClientSampled :

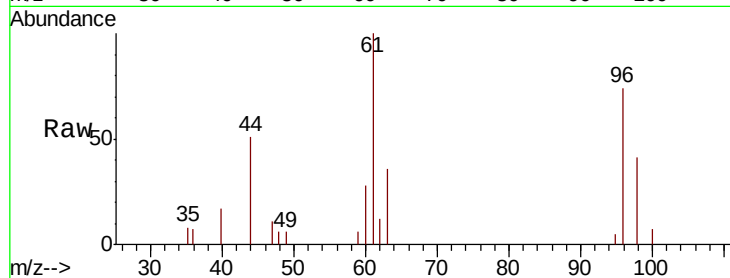
Tot Ion: 96 Resp: 2559

Ion Ratio Lower Upper

96 100

61 134.8 102.8 190.8

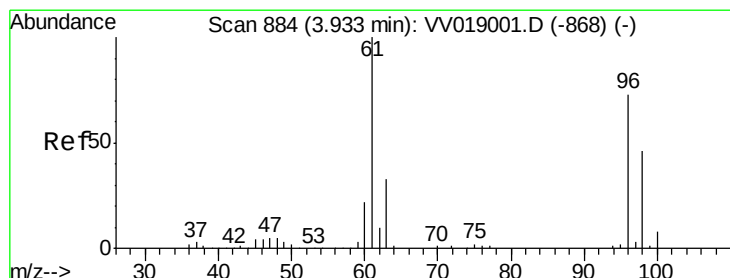
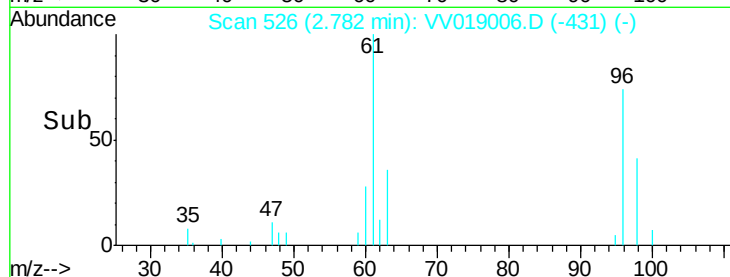
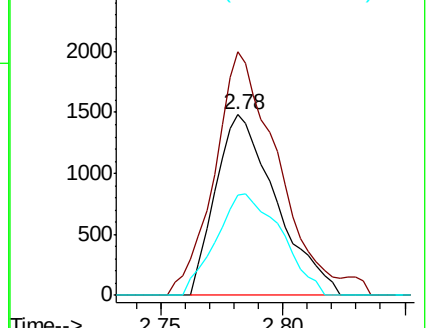
98 55.4 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 39.132 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV019006.D

Acq: 20 Oct 2020 12:02

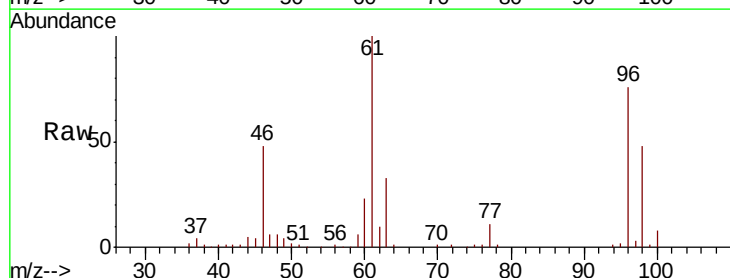
Tgt Ion: 96 Resp: 88121

Ion Ratio Lower Upper

96 100

61 132.1 96.1 178.5

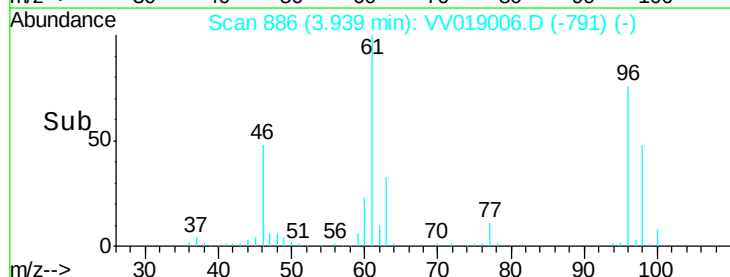
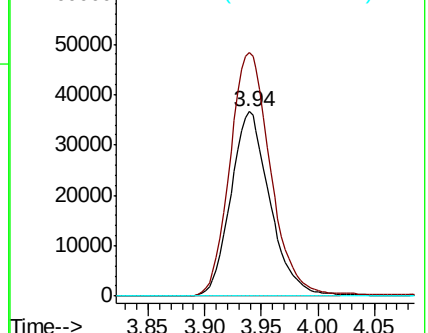
68 0.0 0.0 0.0

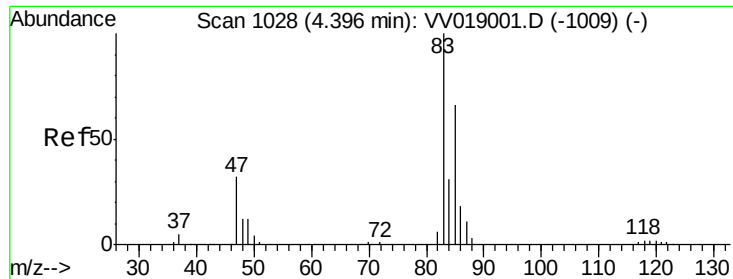


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

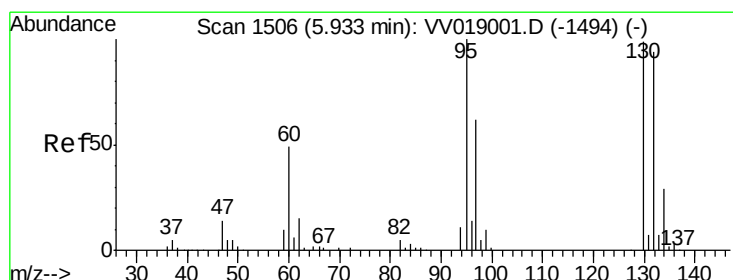
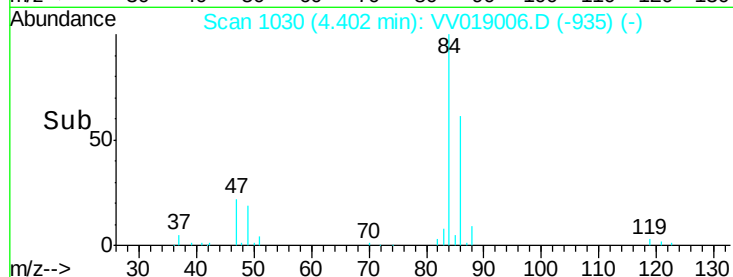
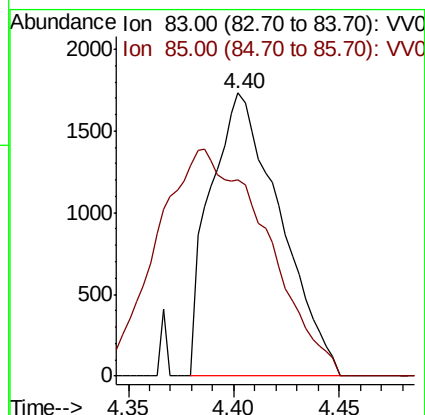
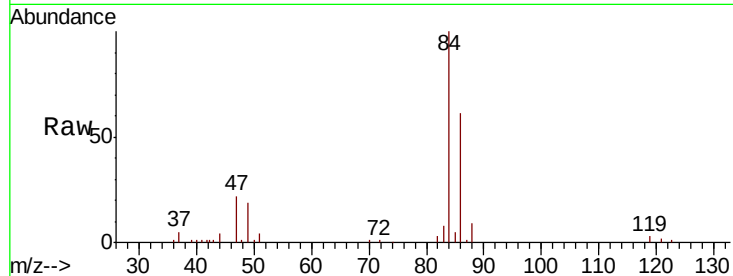




#25  
Chloroform  
Concen: 0.958 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. 0.01 min  
Lab File: VV019006.D  
Acq: 20 Oct 2020 12:02

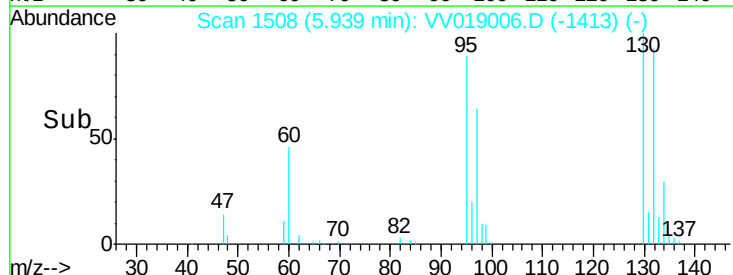
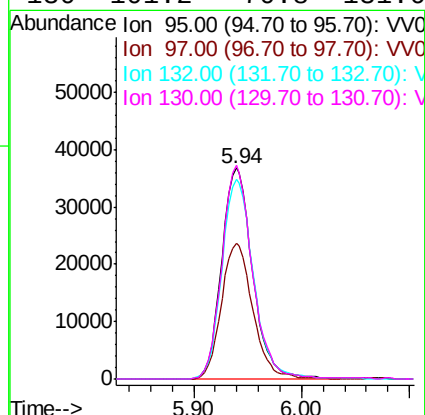
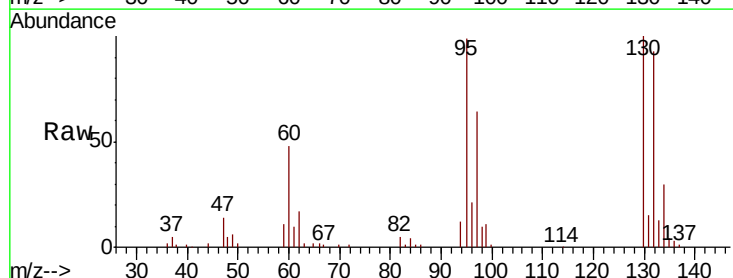
Instrument :  
MSVOA\_V  
ClientSampleId :

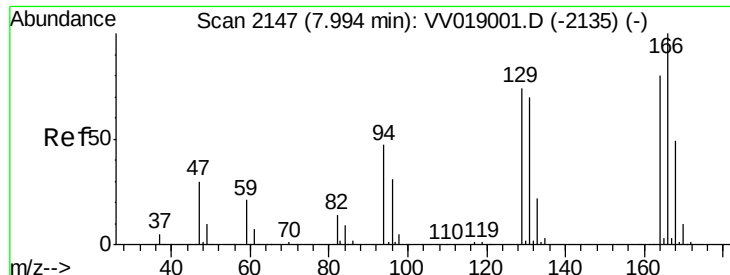
Tot Ion: 83 Resp: 3984  
Ion Ratio Lower Upper  
83 100  
85 69.2 44.6 82.8



#34  
Trichloroethene  
Concen: 28.728 ug/L  
RT: 5.94 min Scan# 1508  
Delta R.T. 0.01 min  
Lab File: VV019006.D  
Acq: 20 Oct 2020 12:02

Tgt Ion: 95 Resp: 73546  
Ion Ratio Lower Upper  
95 100  
97 64.3 44.7 82.9  
132 94.4 67.0 124.4  
130 101.2 70.8 131.6





#46

Tetrachloroethene

Concen: 37.710 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019006.D

Acq: 20 Oct 2020 12:02

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion:164 Resp: 68039

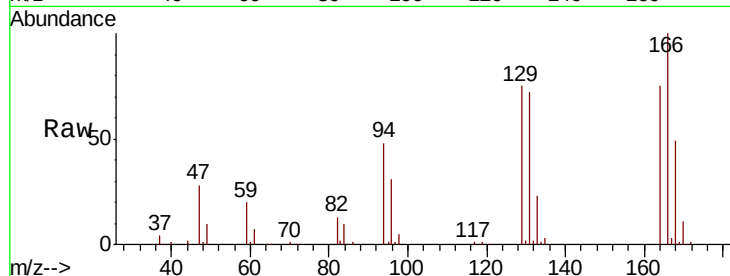
Ion Ratio Lower Upper

164 100

129 100.0 65.0 120.8

131 95.7 62.9 116.7

166 133.6 91.1 169.3

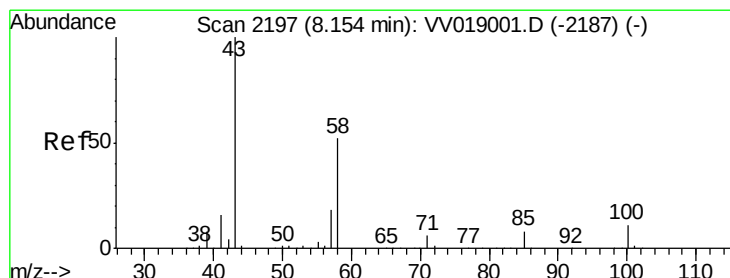
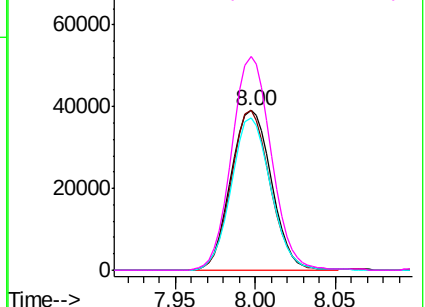
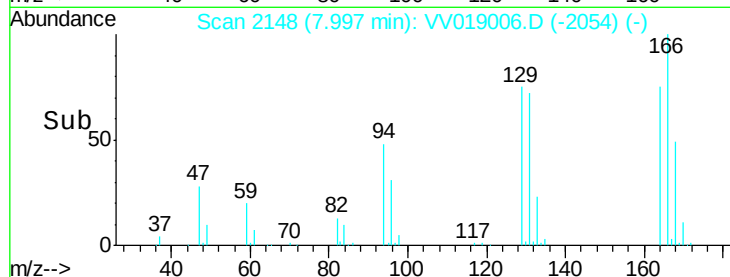


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 4.599 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VV019006.D

Acq: 20 Oct 2020 12:02

Tgt Ion: 43 Resp: 11950

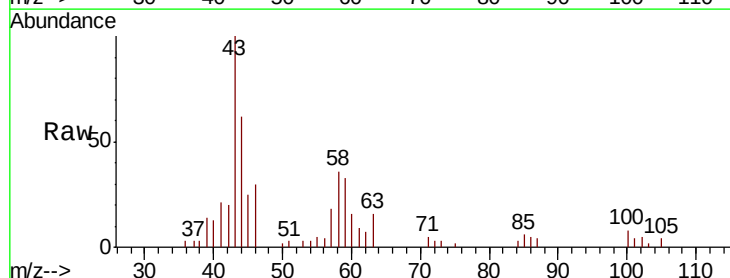
Ion Ratio Lower Upper

43 100

58 49.9 42.5 63.7

57 20.9 14.5 21.7

100 8.0 9.0 13.4#

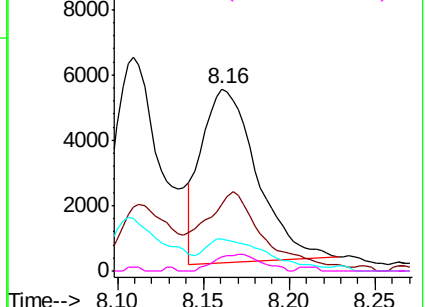
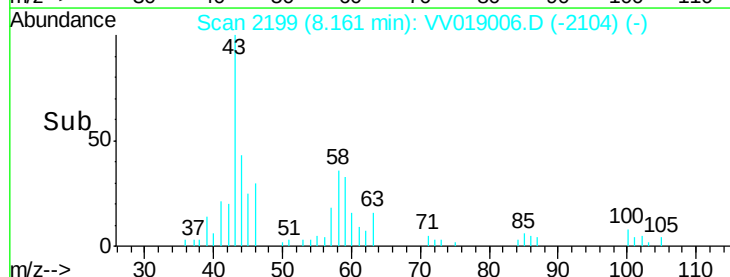


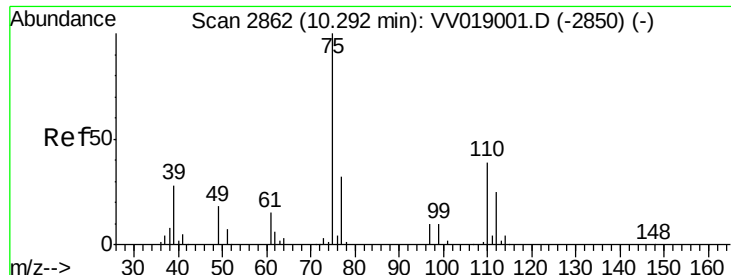
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.464 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019006.D

Acq: 20 Oct 2020 12:02

Instrument :

MSVOA\_V

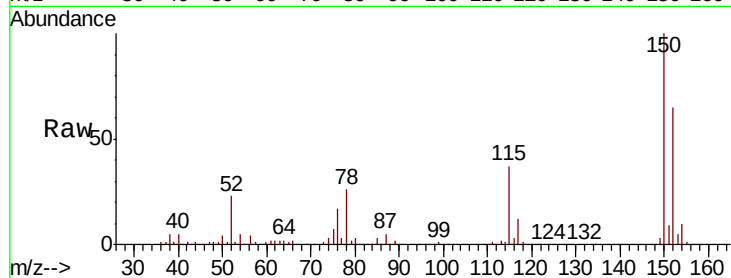
ClientSampleId :

Tot Ion: 75 Resp: 15719

Ion Ratio Lower Upper

75 100

77 37.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

