

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033120\  
 Data File : VV015312.D  
 Acq On : 31 Mar 2020 14:35  
 Operator : SY/MD  
 Sample : L1975-03RE  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 01 01:25:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM033020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 01 01:17:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 575569   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 562411   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 251197   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 184440   | 43.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.90%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 187277   | 47.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.90%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 296817   | 32.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.60%  |
| 21) 2-Butanone-d5              | 3.84    | 46    | 2311     | 0.84     | ug/L | -0.09   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 0.84%#  |
| 24) Chloroform-d               | 4.38    | 84    | 363021   | 48.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.22%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 245125   | 49.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.42%  |
| 32) Benzene-d6                 | 5.08    | 84    | 717083   | 48.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.68%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 228915   | 49.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.72%  |
| 41) Toluene-d8                 | 7.34    | 98    | 686612   | 48.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.68%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 122346   | 48.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.86%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 268298   | 124.56   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 124.56% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 334475   | 49.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.72%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 241561   | 48.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.62%  |

## Target Compounds

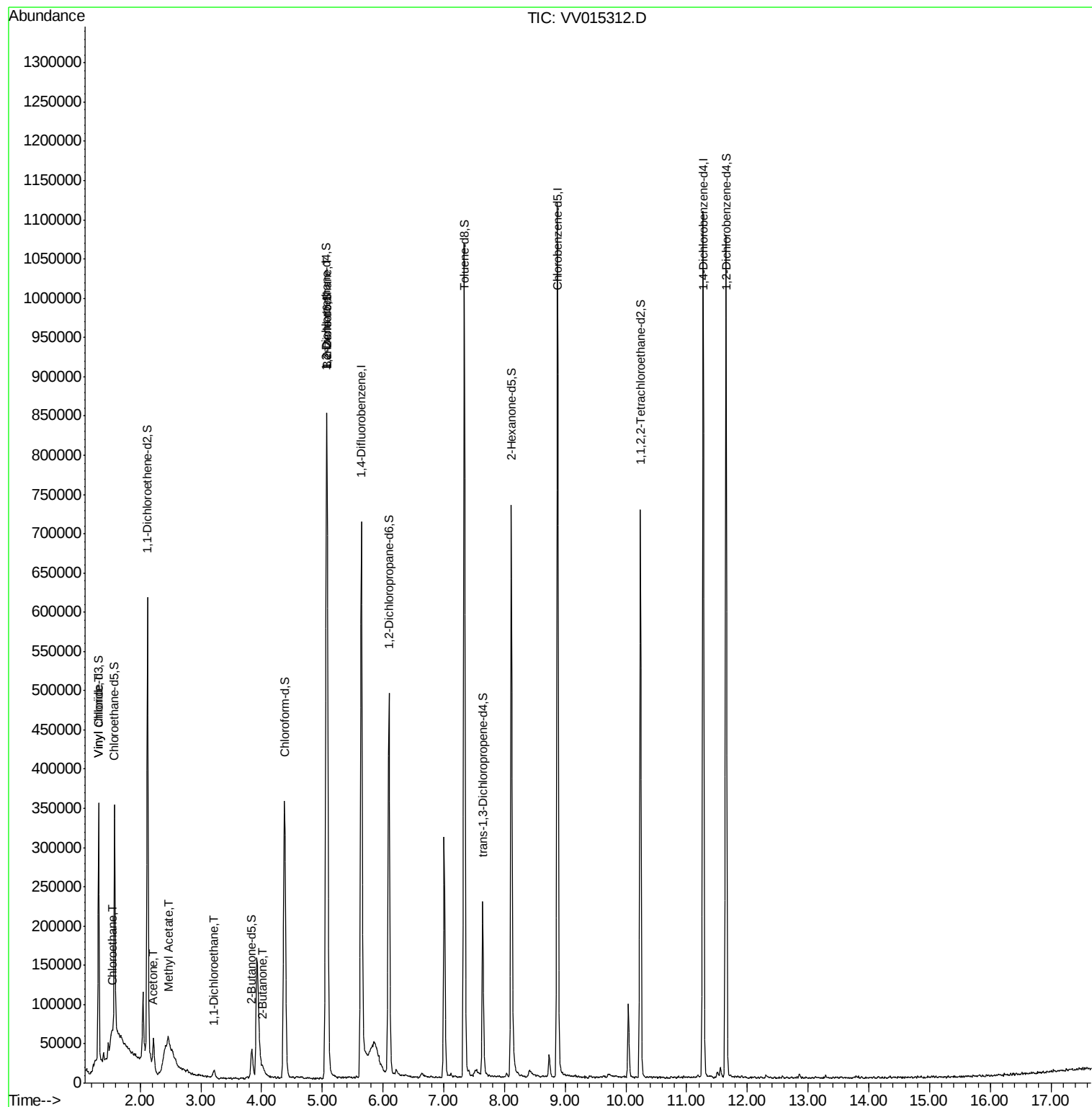
|                        |      |    |       |        | Ovalue    |
|------------------------|------|----|-------|--------|-----------|
| 5) Vinyl chloride      | 1.32 | 62 | 7340  | 1.513  | ug/L # 1  |
| 8) Chloroethane        | 1.54 | 64 | 76810 | 22.960 | ug/L # 53 |
| 13) Acetone            | 2.20 | 43 | 28340 | 15.132 | ug/L 90   |
| 15) Methyl Acetate     | 2.46 | 43 | 17141 | 4.558  | ug/L 92   |
| 19) 1,1-Dichloroethane | 3.22 | 63 | 6873  | 1.033  | ug/L 94   |
| 22) 2-Butanone         | 4.02 | 43 | 4909  | 1.798  | ug/L 83   |
| 27) 1,2-Dichloroethane | 5.07 | 62 | 4238  | 0.750  | ug/L 95   |

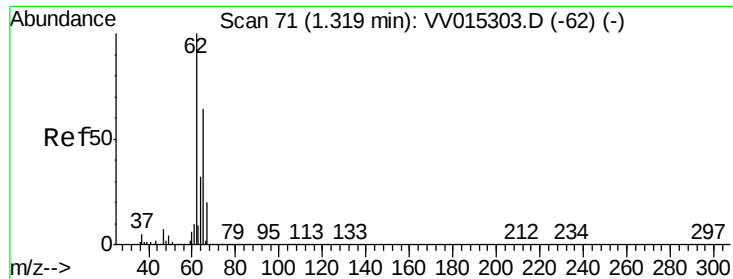
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV033120\  
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Sample : L1975-03RE  
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MSVOA\_V  
ClientSampleId :

Quant Time: Apr 01 01:25:30 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM033020WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 01 01:17:34 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.513 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015312.D

Acq: 31 Mar 2020 14:35

Instrument :

MSVOA\_V

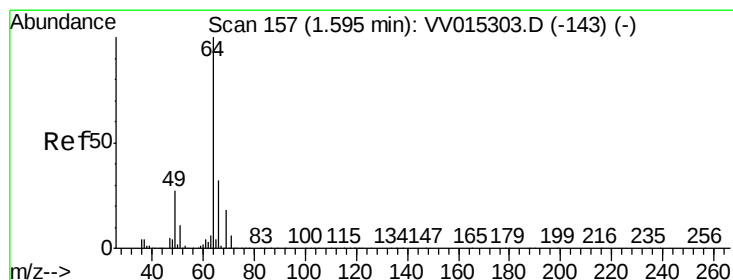
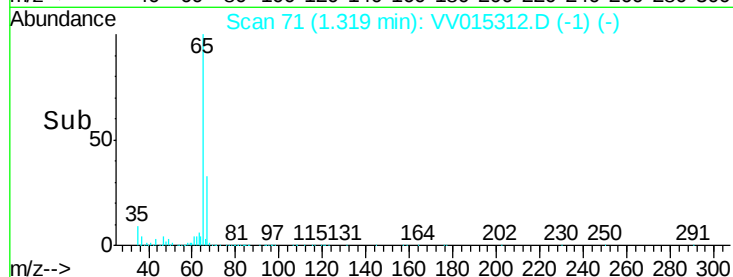
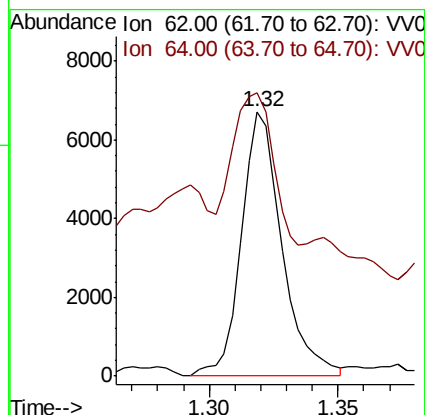
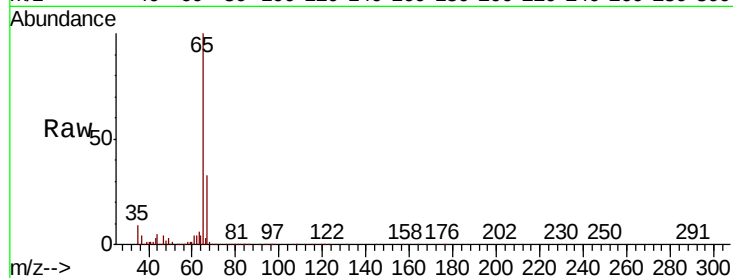
ClientSampled :

Tot Ion: 62 Resp: 7340

Ion Ratio Lower Upper

62 100

64 107.0 23.9 44.3#



#8

Chloroethane

Concen: 22.960 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.05 min

Lab File: VV015312.D

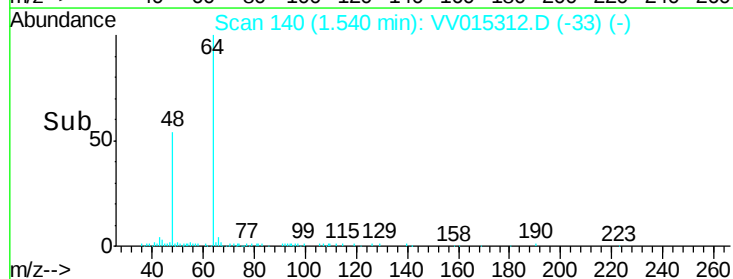
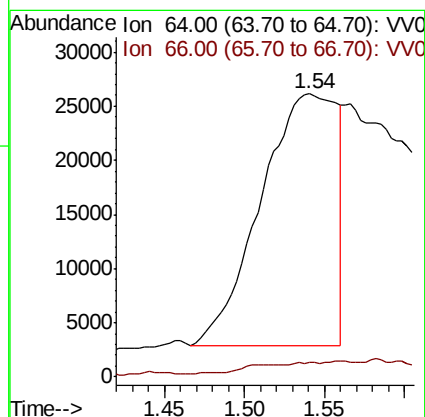
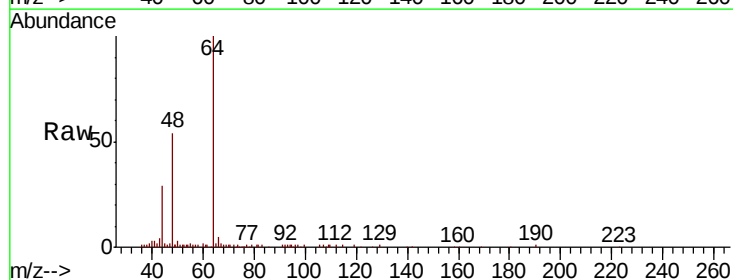
Acq: 31 Mar 2020 14:35

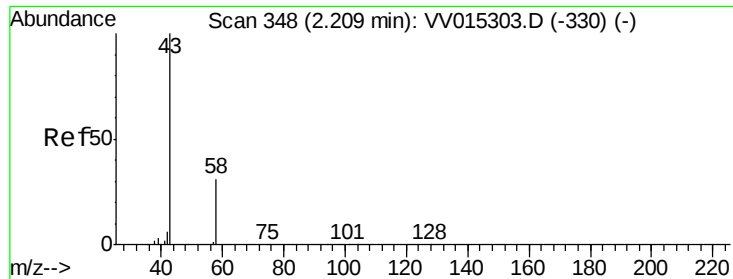
Tgt Ion: 64 Resp: 76810

Ion Ratio Lower Upper

64 100

66 5.0 21.5 39.9#





#13

Acetone

Concen: 15.132 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.01 min

Lab File: VV015312.D

Acq: 31 Mar 2020 14:35

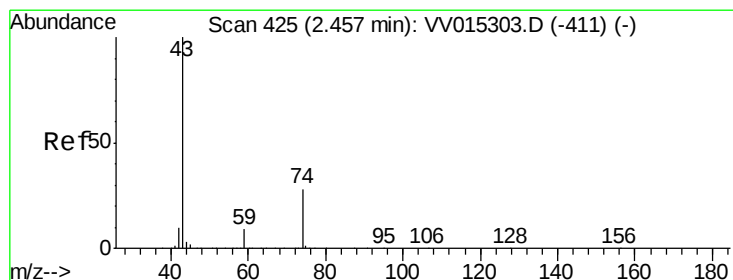
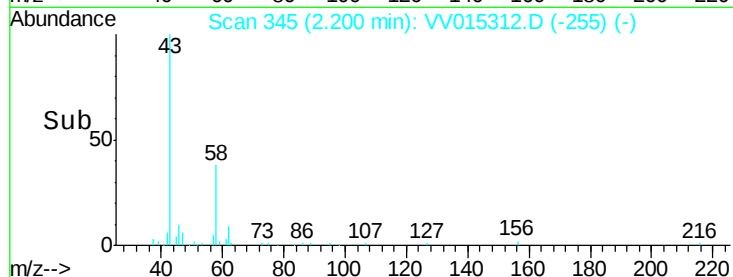
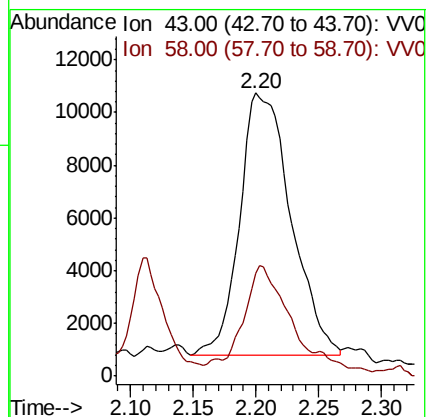
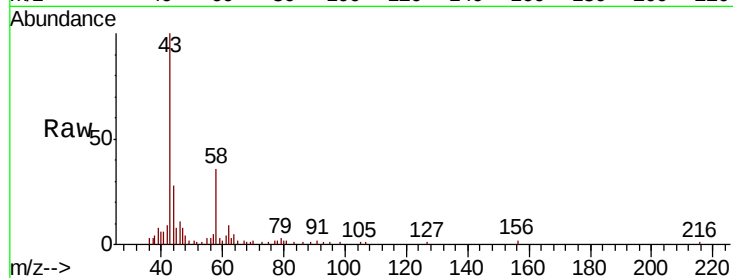
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 43 Resp: 28340

Ion Ratio Lower Upper

43 100

58 26.3 0.0 63.6



#15

Methyl Acetate

Concen: 4.558 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV015312.D

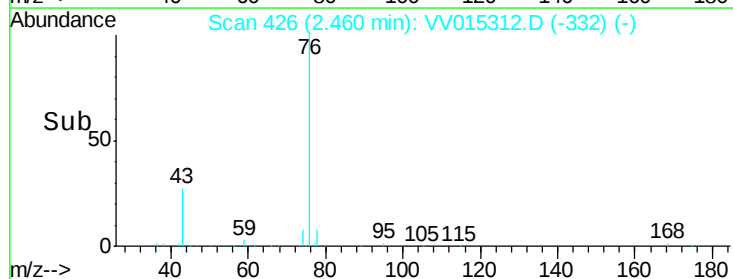
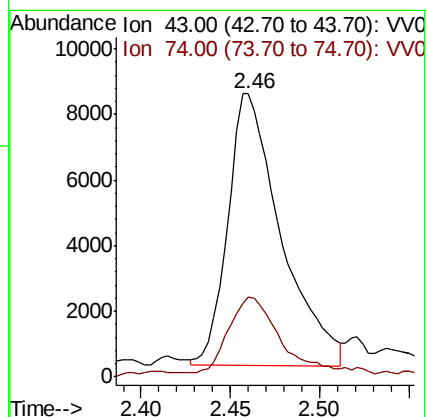
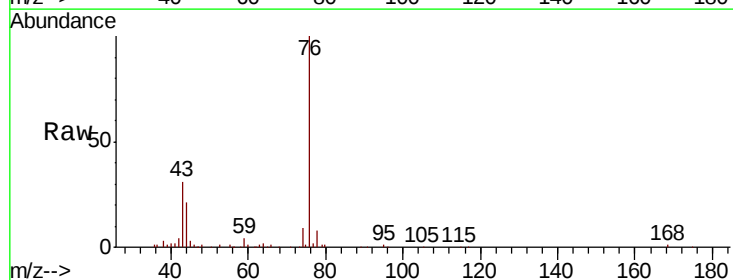
Acq: 31 Mar 2020 14:35

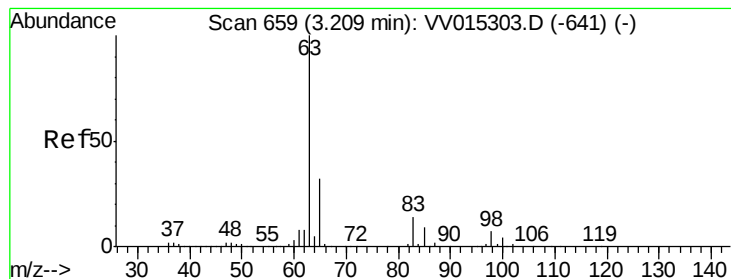
Tgt Ion: 43 Resp: 17141

Ion Ratio Lower Upper

43 100

74 29.5 20.3 30.5





#19

1,1-Dichloroethane

Concen: 1.033 ug/L

RT: 3.22 min Scan# 662

Delta R.T. 0.01 min

Lab File: VV015312.D

Acq: 31 Mar 2020 14:35

Instrument :

MSVOA\_V

ClientSampleId :

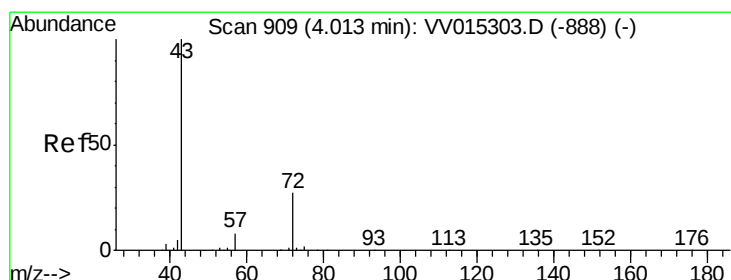
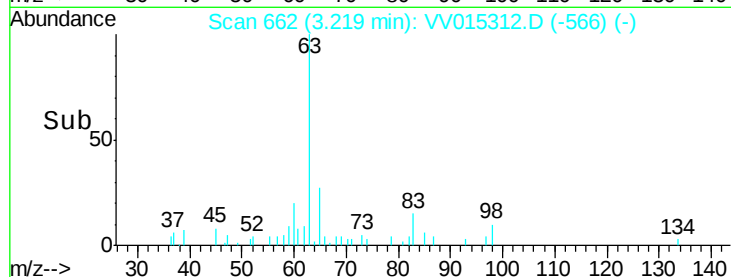
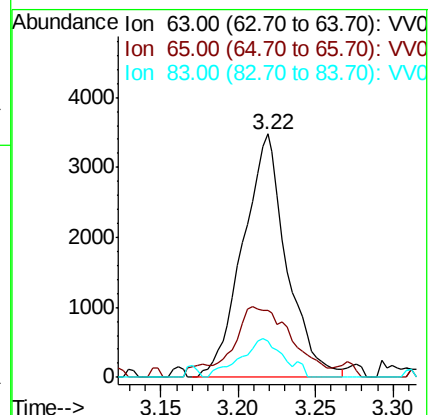
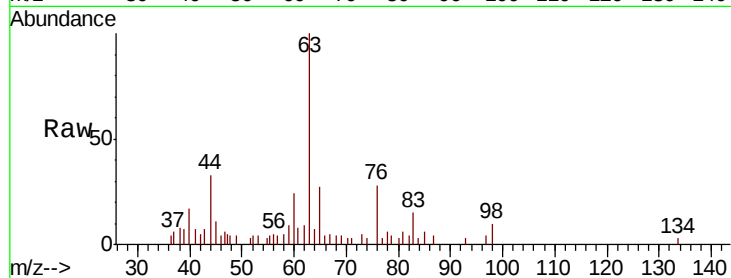
Tot Ion: 63 Resp: 6873

Ion Ratio Lower Upper

63 100

65 27.3 22.2 41.2

83 14.9 9.7 18.1



#22

2-Butanone

Concen: 1.798 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VV015312.D

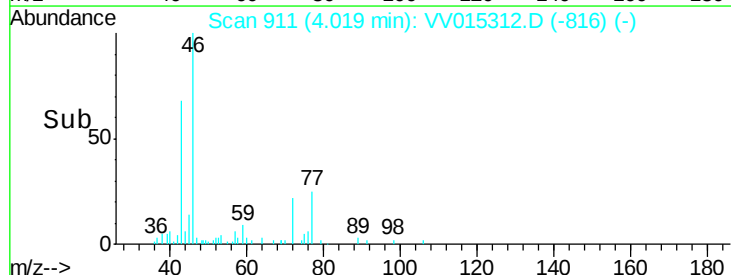
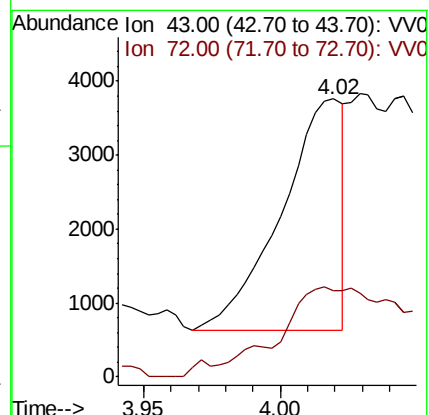
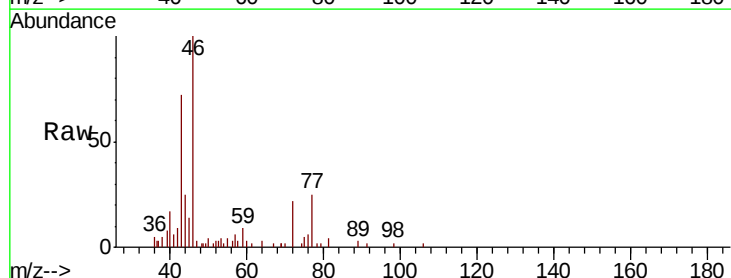
Acq: 31 Mar 2020 14:35

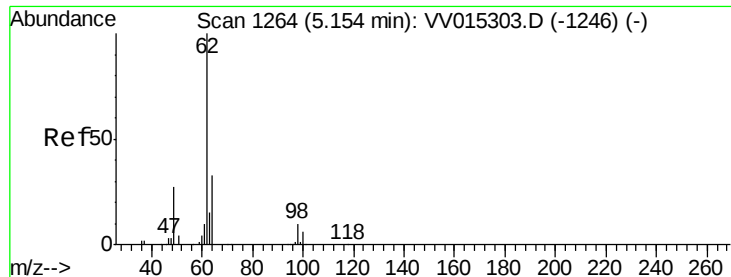
Tgt Ion: 43 Resp: 4909

Ion Ratio Lower Upper

43 100

72 16.3 12.4 37.0





#27  
 1,2-Dichloroethane  
 Concen: 0.750 ug/L  
 RT: 5.07 min Scan# 1239  
 Delta R.T. -0.08 min  
 Lab File: VV015312.D  
 Acq: 31 Mar 2020 14:35

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion: 62 Resp: 4238  
 Ion Ratio Lower Upper  
 62 100  
 98 7.4 7.4 11.0

