

Data File : VV011876.D  
Acq On : 12 Jul 2019 19:31  
Operator : SY/MD  
Sample : K3785-10  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0XL8

Quant Time: Jul 13 04:24:37 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jul 13 04:20:11 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 162270   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 159846   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 70162    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 59883    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 47860    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 76801    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.80%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 162286   | 63.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 126.82% |
| 24) Chloroform-d               | 4.40   | 84    | 107884   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 61877    | 5.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 112.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 224183   | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 68584    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.00% |
| 41) Toluene-d8                 | 7.36   | 98    | 192058   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 22076    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 103157   | 52.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.68% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 36465    | 4.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 71027    | 5.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.40% |

#### Target Compounds

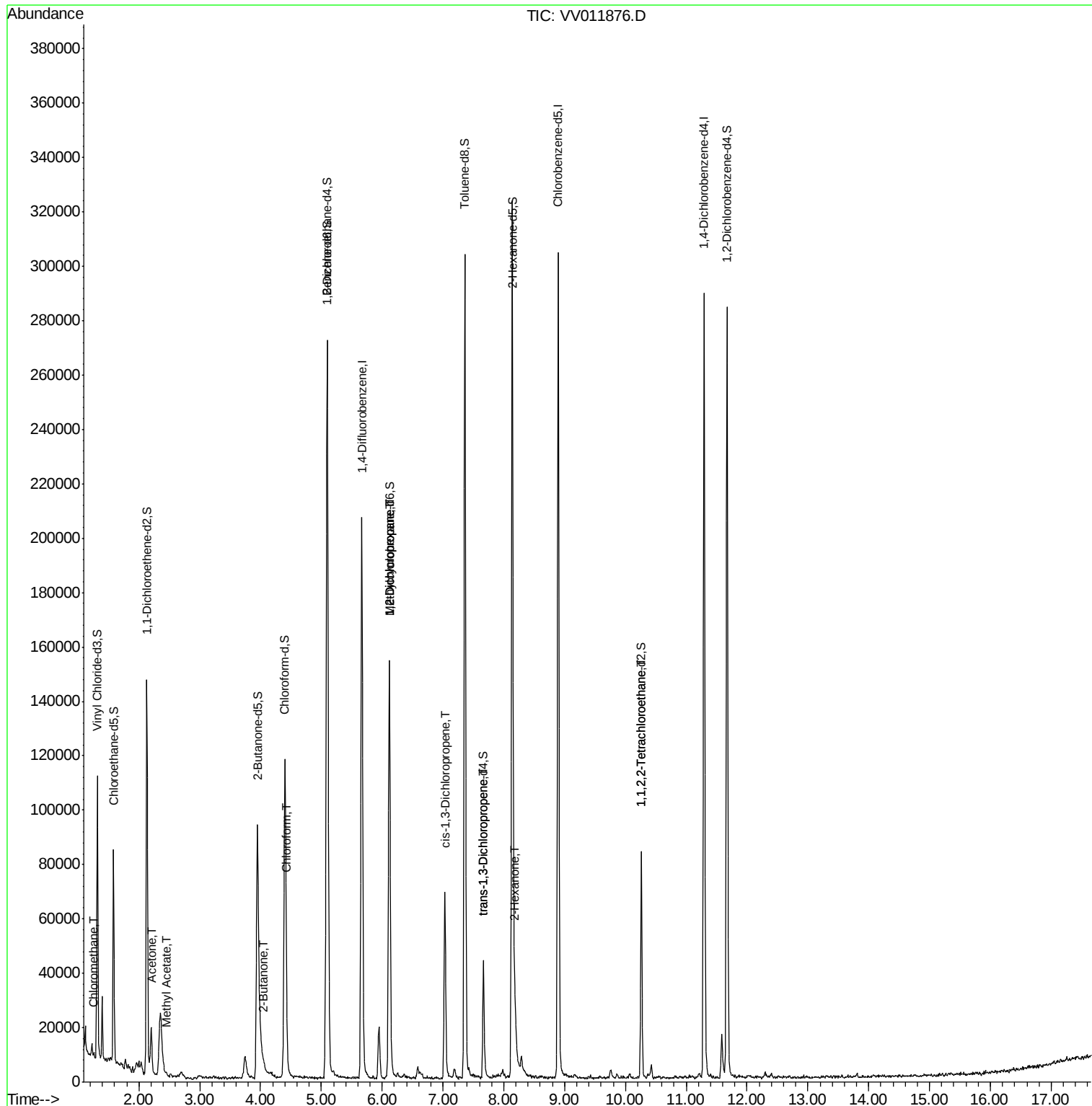
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 3) Chloromethane              | 1.25  | 50 | 1341  | 0.085 ug/L # | 78     |
| 13) Acetone                   | 2.20  | 43 | 14285 | 9.104 ug/L   | 97     |
| 15) Methyl Acetate            | 2.47  | 43 | 923   | 0.247 ug/L   | 92     |
| 21) 2-Butanone                | 4.05  | 43 | 4982  | 1.750 ug/L   | 79     |
| 25) Chloroform                | 4.43  | 83 | 3294  | 0.137 ug/L   | 100    |
| 35) Methylcyclohexane         | 6.12  | 83 | 16785 | 0.805 ug/L # | 18     |
| 37) 1,2-Dichloropropane       | 6.12  | 63 | 8138  | 0.653 ug/L # | 84     |
| 39) cis-1,3-Dichloropropene   | 7.03  | 75 | 1885  | 0.110 ug/L # | 70     |
| 44) trans-1,3-Dichloropropene | 7.67  | 75 | 1077  | 0.081 ug/L   | 85     |
| 48) 2-Hexanone                | 8.18  | 43 | 7635  | 1.435 ug/L # | 89     |
| 58) 1,1,2,2-Tetrachloroethane | 10.27 | 83 | 529   | 0.064 ug/L # | 1      |

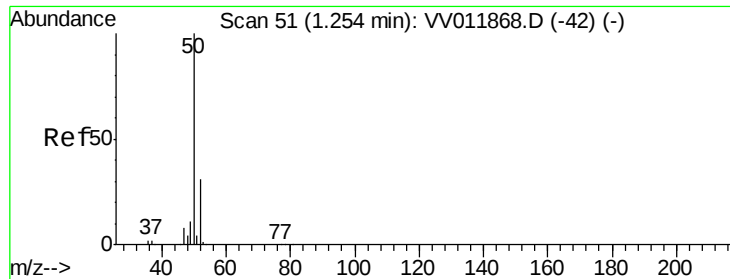
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.085 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV011876.D

Acq: 12 Jul 2019 19:31

Instrument :

MSVOA\_V

ClientSampled :

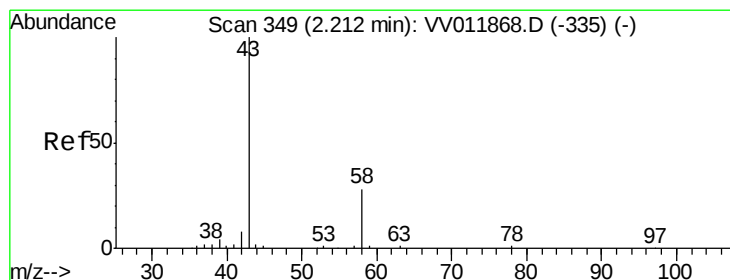
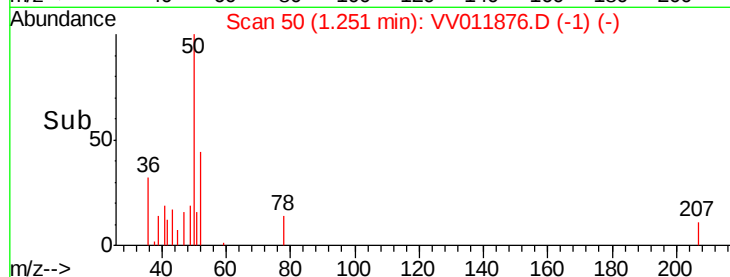
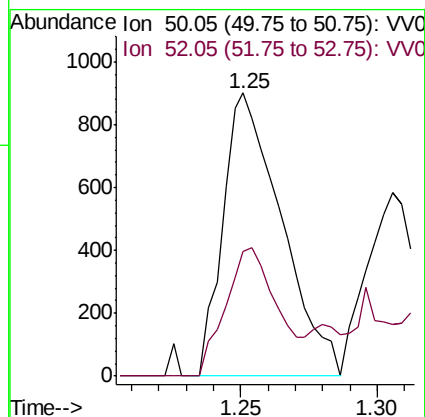
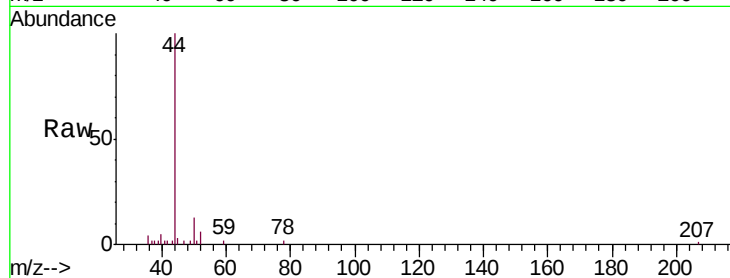
C0XL8

Tgt Ion: 50 Resp: 1341

Ion Ratio Lower Upper

50 100

52 44.0 22.0 41.0#



#13

Acetone

Concen: 9.104 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

Lab File: VV011876.D

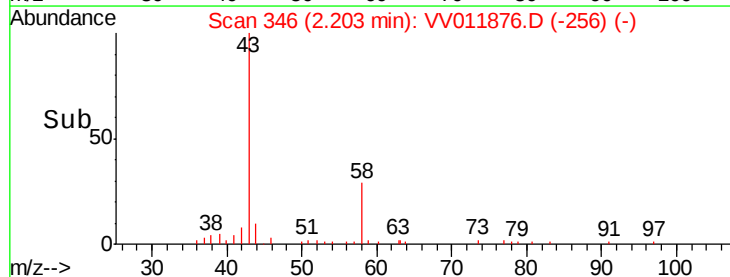
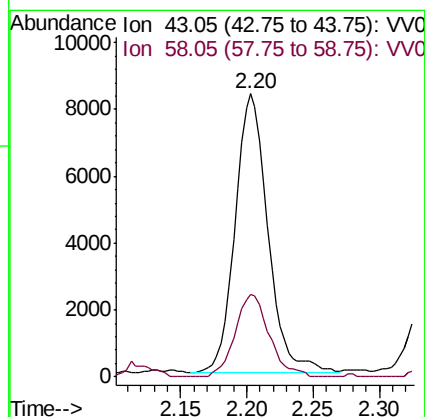
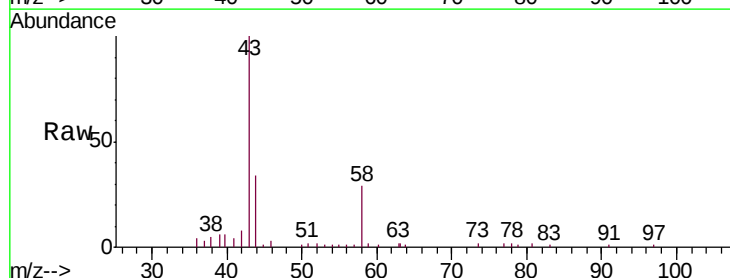
Acq: 12 Jul 2019 19:31

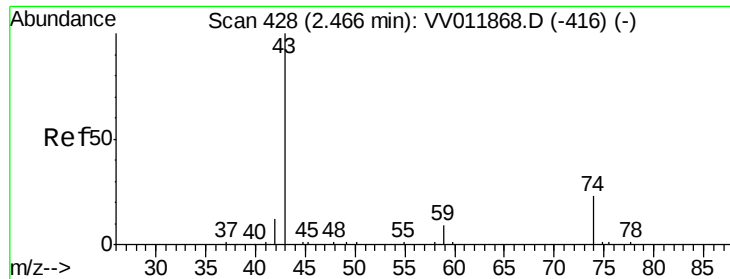
Tgt Ion: 43 Resp: 14285

Ion Ratio Lower Upper

43 100

58 30.9 0.0 58.4

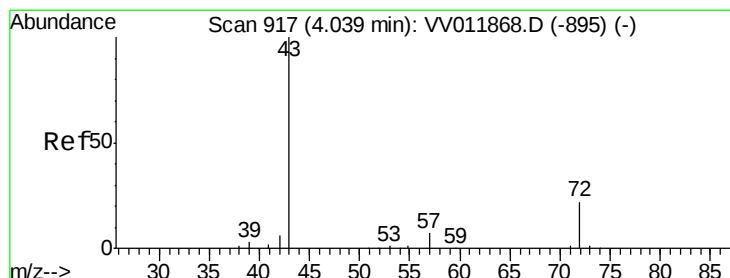
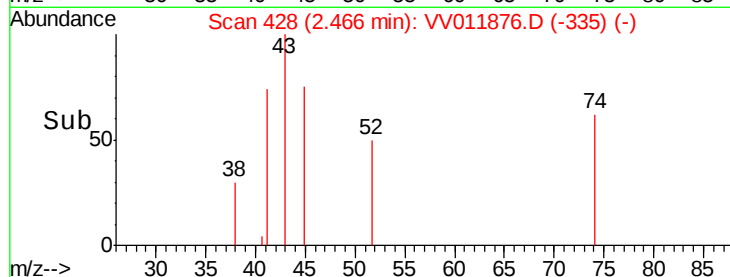
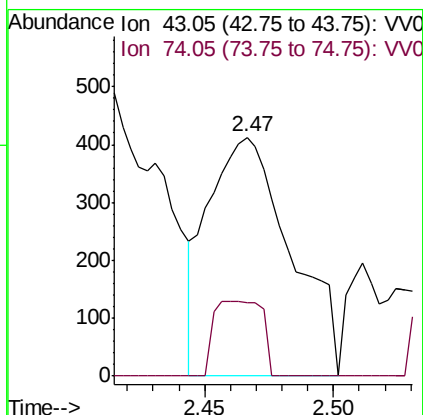
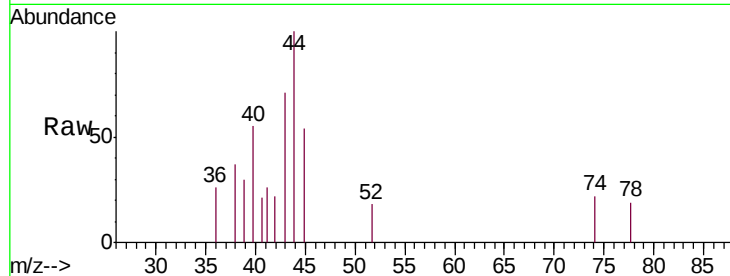




#15  
Methyl Acetate  
Concen: 0.247 ug/L  
RT: 2.47 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: VV011876.D  
Acq: 12 Jul 2019 19:31

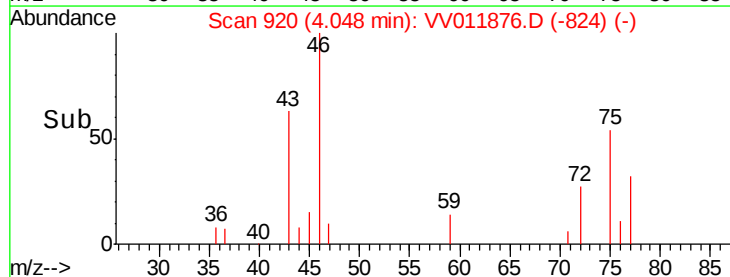
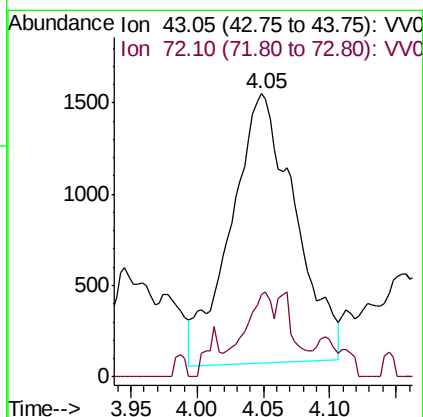
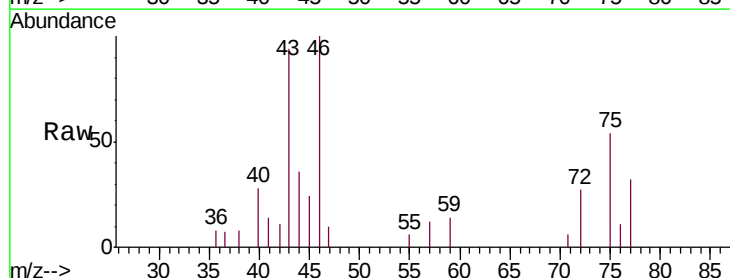
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0XL8

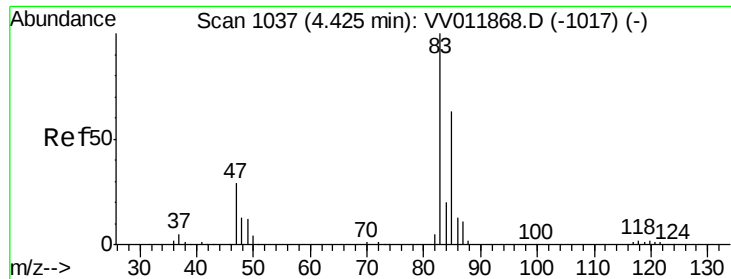
Tgt Ion: 43 Resp: 923  
Ion Ratio Lower Upper  
43 100  
74 18.1 17.4 26.0



#21  
2-Butanone  
Concen: 1.750 ug/L  
RT: 4.05 min Scan# 920  
Delta R.T. 0.01 min  
Lab File: VV011876.D  
Acq: 12 Jul 2019 19:31

Tgt Ion: 43 Resp: 4982  
Ion Ratio Lower Upper  
43 100  
72 14.1 12.2 36.4

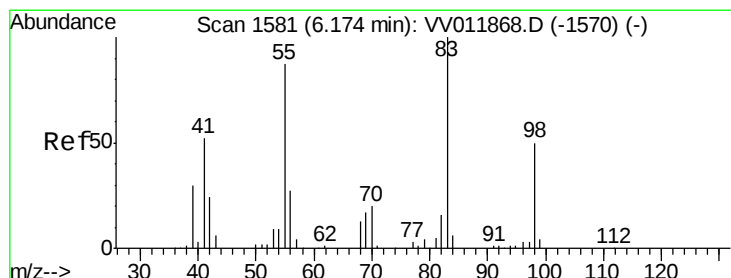
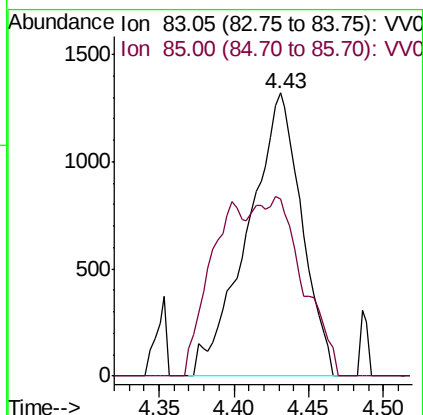
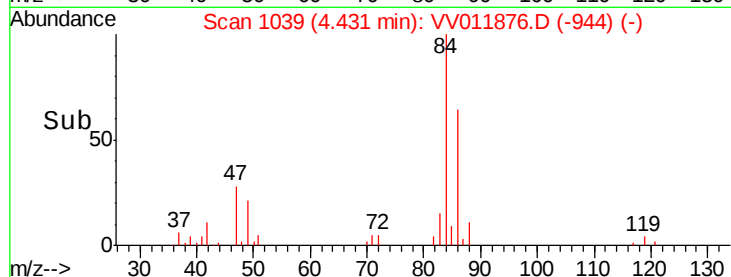
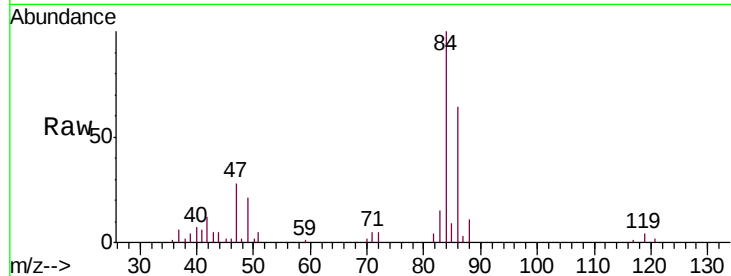




#25  
Chloroform  
Concen: 0.137 ug/L  
RT: 4.43 min Scan# 1039  
Delta R.T. 0.01 min  
Lab File: VV011876.D  
Acq: 12 Jul 2019 19:31

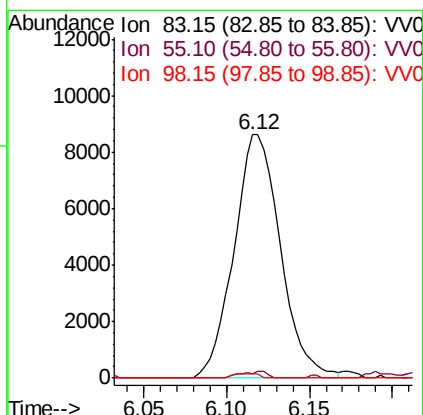
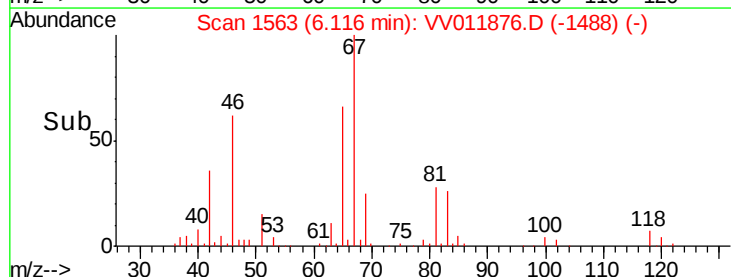
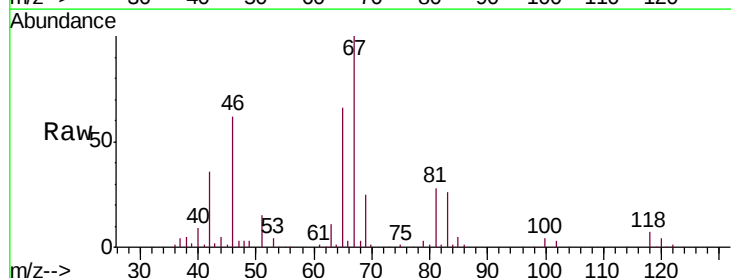
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MSVOA\_V  
ClientSampleId :  
C0XL8

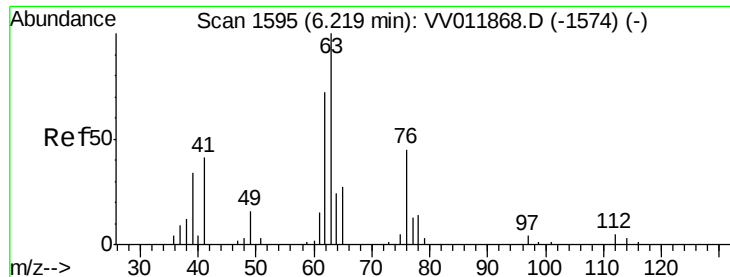
Tgt Ion: 83 Resp: 3294  
Ion Ratio Lower Upper  
83 100  
85 62.7 43.8 81.4



#35  
Methylcyclohexane  
Concen: 0.805 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.06 min  
Lab File: VV011876.D  
Acq: 12 Jul 2019 19:31

Tgt Ion: 83 Resp: 16785  
Ion Ratio Lower Upper  
83 100  
55 1.5 63.6 95.4#  
98 0.9 39.1 58.7#

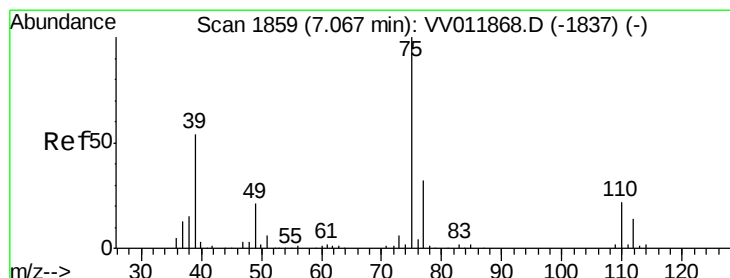
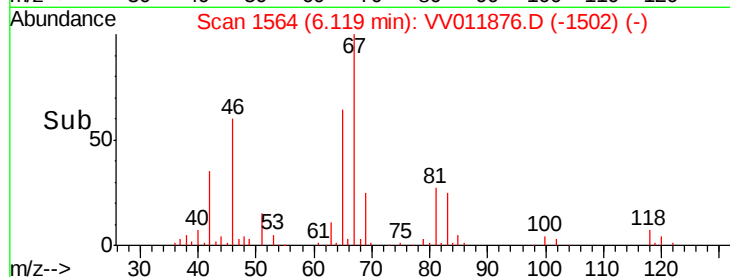
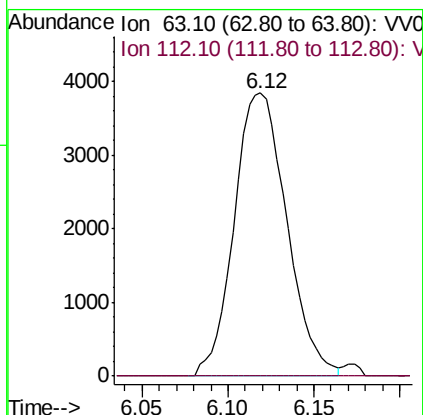
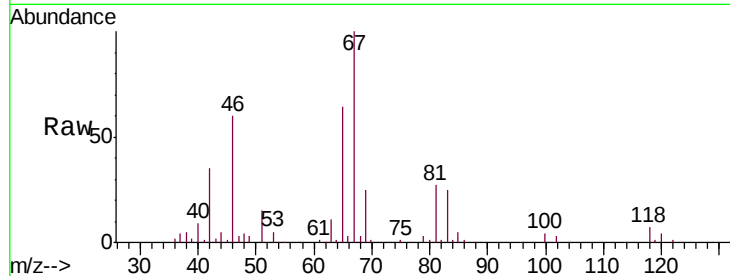




#37  
 1,2-Dichloropropane  
 Concen: 0.653 ug/L  
 RT: 6.12 min Scan# 1564  
 Delta R.T. -0.10 min  
 Lab File: VV011876.D  
 Acq: 12 Jul 2019 19:31

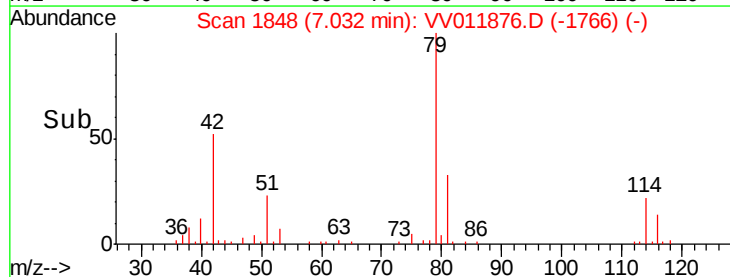
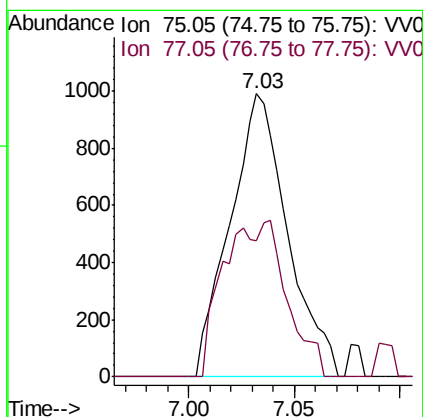
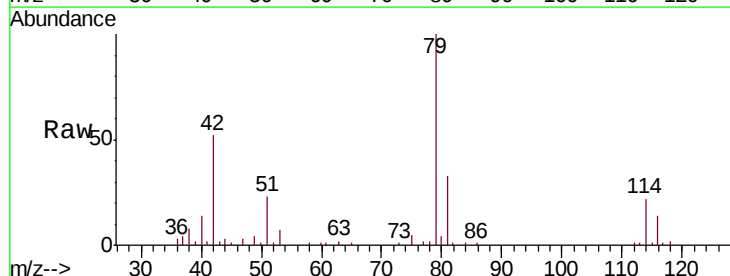
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 ClientSampleId :  
 C0XL8

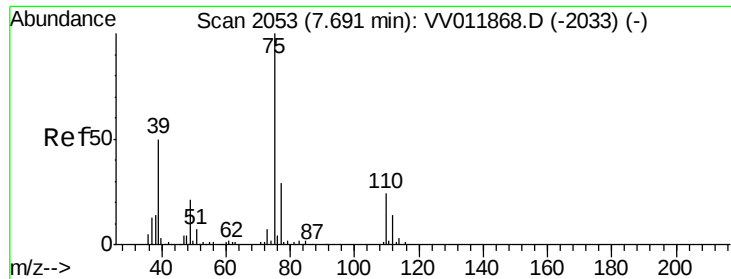
Tgt Ion: 63 Resp: 8138  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.2 6.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.110 ug/L  
 RT: 7.03 min Scan# 1848  
 Delta R.T. -0.04 min  
 Lab File: VV011876.D  
 Acq: 12 Jul 2019 19:31

Tgt Ion: 75 Resp: 1885  
 Ion Ratio Lower Upper  
 75 100  
 77 48.2 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011876.D

Acq: 12 Jul 2019 19:31

Instrument :

MSVOA\_V

ClientSampleId :

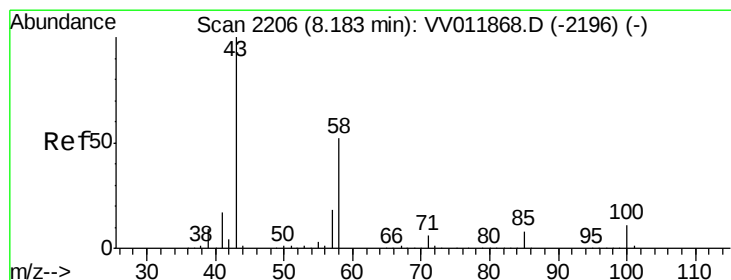
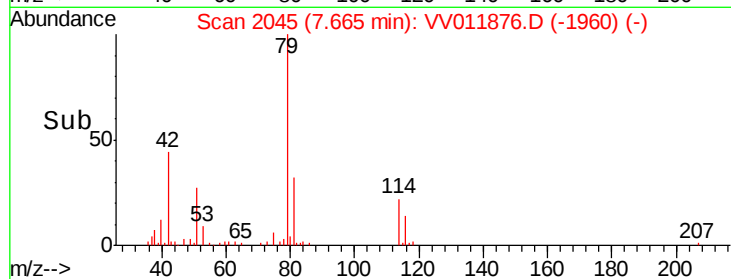
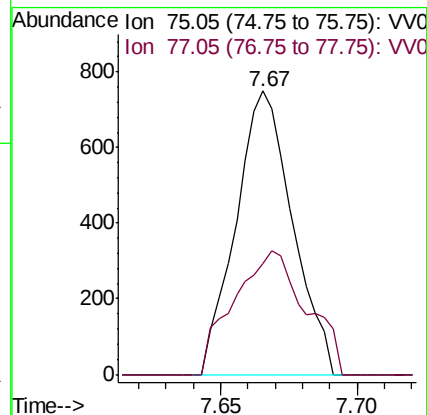
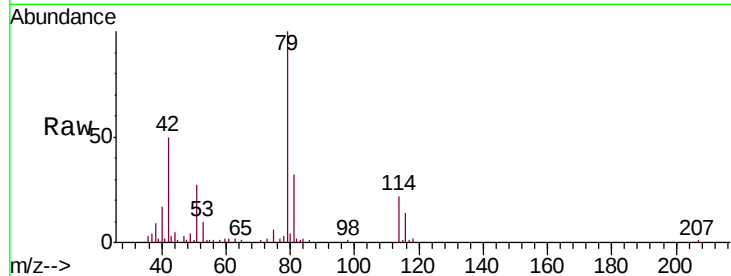
C0XL8

Tgt Ion: 75 Resp: 1077

Ion Ratio Lower Upper

75 100

77 39.1 21.6 40.0



#48

2-Hexanone

Concen: 1.435 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV011876.D

Acq: 12 Jul 2019 19:31

Tgt Ion: 43 Resp: 7635

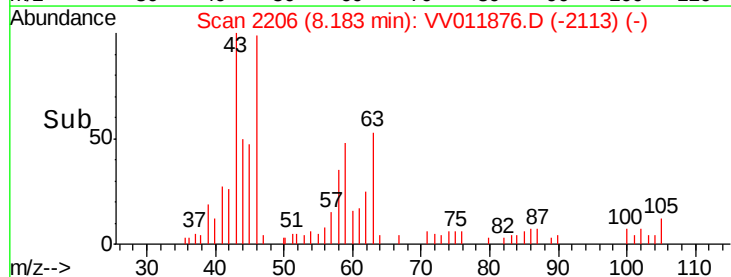
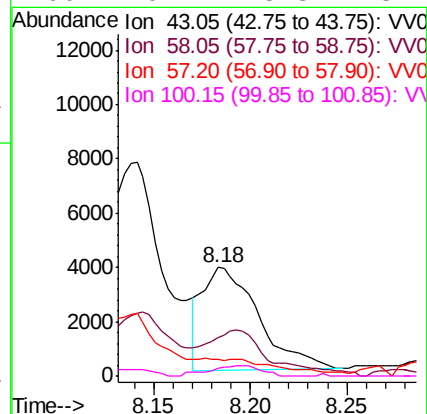
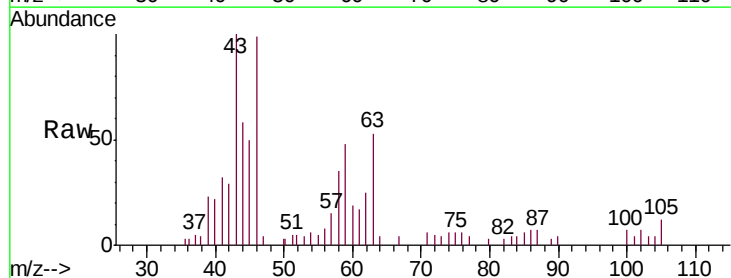
Ion Ratio Lower Upper

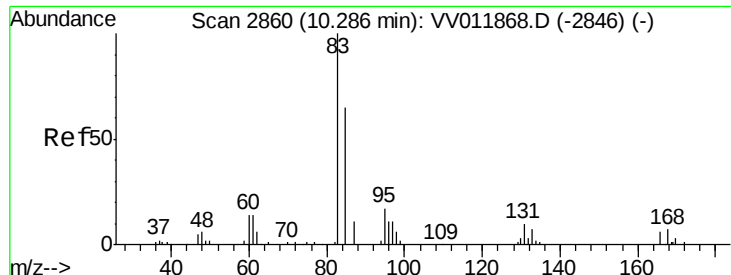
43 100

58 50.0 40.6 61.0

57 0.0 14.4 21.6#

100 9.1 8.8 13.2





#58  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.064 ug/L  
 RT: 10.27 min Scan# 2854  
 Delta R.T. -0.02 min  
 Lab File: VV011876.D  
 Acq: 12 Jul 2019 19:31

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0XL8

Tgt Ion: 83 Resp: 529  
 Ion Ratio Lower Upper  
 83 100  
 85 128.7 45.0 83.6#  
 131 192.5 8.3 12.5#

