

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\  
 Data File : VV017106.D  
 Acq On : 25 Jun 2020 05:53  
 Operator : SY/MD  
 Sample : L3102-10  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9L59

Quant Time: Jun 25 06:51:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 25 05:27:24 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 172786   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 170406   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 78180    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 39690    | 3.83     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 76.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 33912    | 4.50     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.00% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 62817    | 3.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.60% |
| 20) 2-Butanone-d5              | 3.92   | 46    | 122355   | 46.29    | ug/L | -0.02  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 92.58% |
| 24) Chloroform-d               | 4.38   | 84    | 102936   | 4.64     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 56861    | 4.84     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80% |
| 32) Benzene-d6                 | 5.08   | 84    | 196030   | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80% |
| 36) 1,2-Dichloropropane-d6     | 6.10   | 67    | 57411    | 4.34     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 86.80% |
| 41) Toluene-d8                 | 7.34   | 98    | 177032   | 4.27     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.40% |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 22253    | 4.04     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.80% |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 88917    | 42.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.68% |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 41405    | 4.71     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.20% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 71100    | 4.92     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.40% |

## Target Compounds

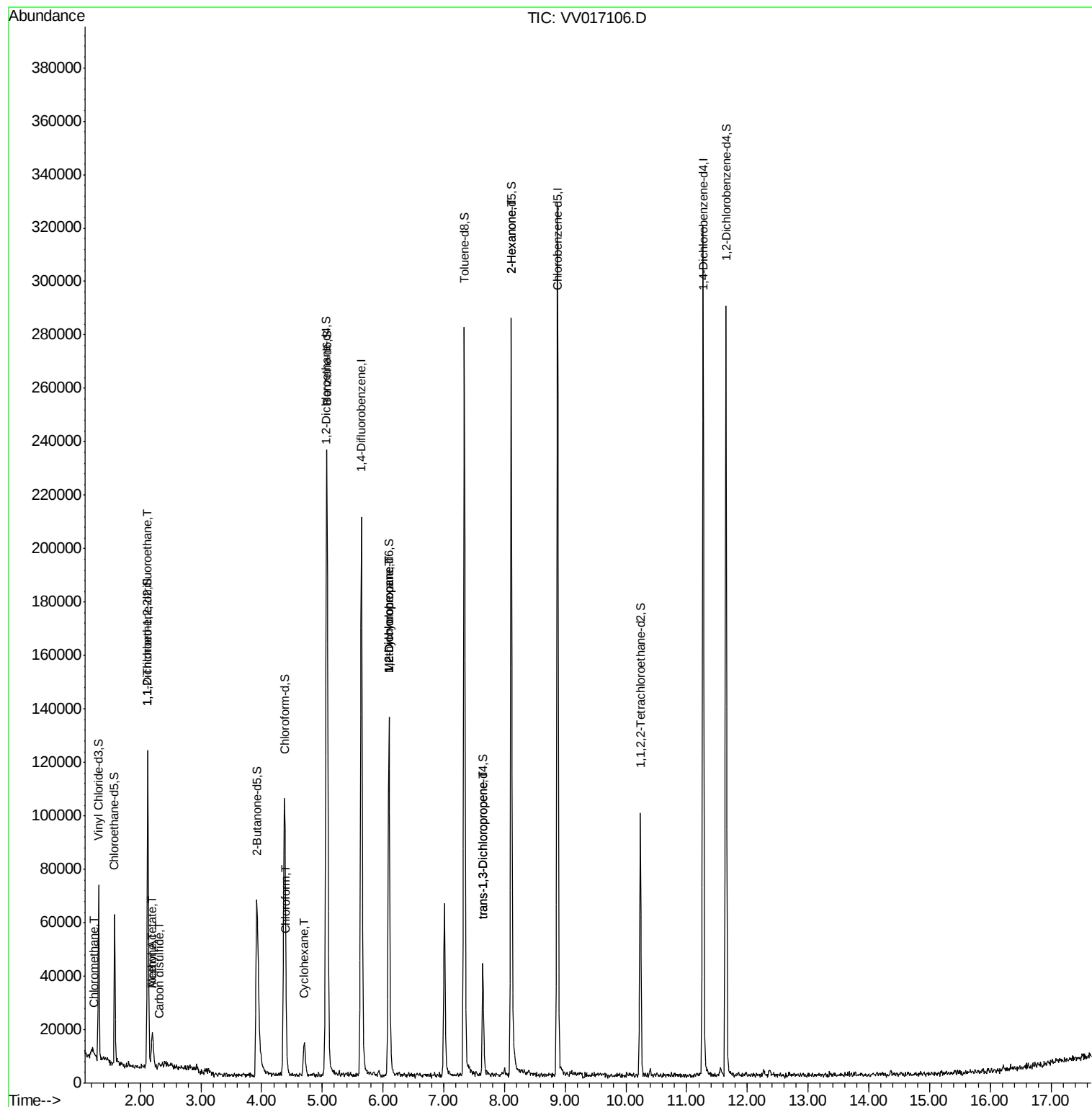
| Target Compounds               | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 1.25 | 50   | 852      | 0.073  | ug/L # | 79     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101  | 746      | 0.082  | ug/L # | 19     |
| 13) Acetone                    | 2.20 | 43   | 20248    | 15.155 | ug/L   | 96     |
| 14) Carbon disulfide           | 2.31 | 76   | 1006     | 0.040  | ug/L # | 71     |
| 15) Methyl Acetate             | 2.20 | 43   | 19554    | 5.986  | ug/L # | 52     |
| 25) Chloroform                 | 4.41 | 83   | 2633     | 0.122  | ug/L   | 87     |
| 30) Cyclohexane                | 4.70 | 56   | 5966     | 0.307  | ug/L # | 96     |
| 35) Methylcyclohexane          | 6.10 | 83   | 15865    | 0.781  | ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.10 | 63   | 7796     | 0.706  | ug/L # | 84     |
| 46) trans-1,3-Dichloropropene  | 7.65 | 75   | 1224     | 0.086  | ug/L # | 80     |
| 50) 2-Hexanone                 | 8.11 | 43   | 12305    | 2.711  | ug/L # | 73     |

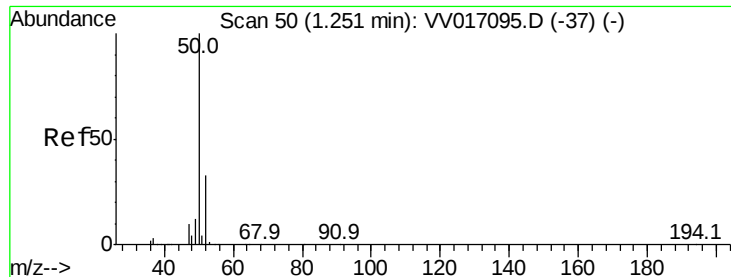
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Jun 25 05:27:24 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.073 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017106.D

Acq: 25 Jun 2020 05:53

Instrument :

MSVOA\_V

ClientSampleId :

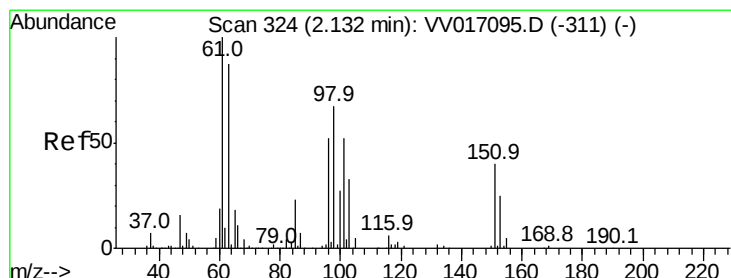
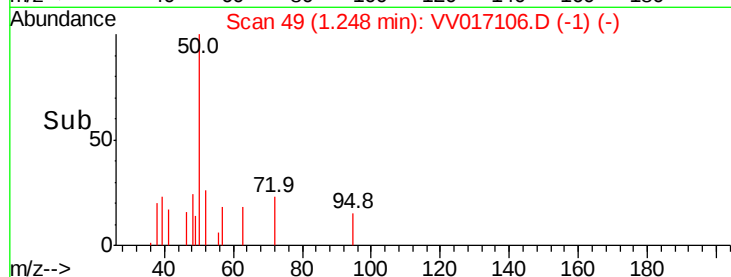
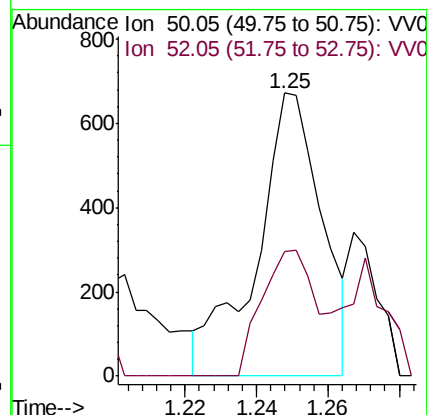
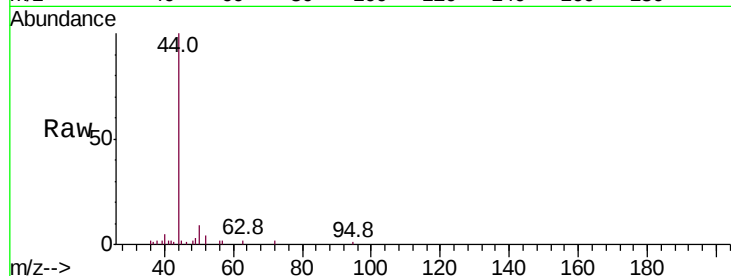
F9L59

Tot Ion: 50 Resp: 852

Ion Ratio Lower Upper

50 100

52 44.2 22.5 41.9#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.082 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017106.D

Acq: 25 Jun 2020 05:53

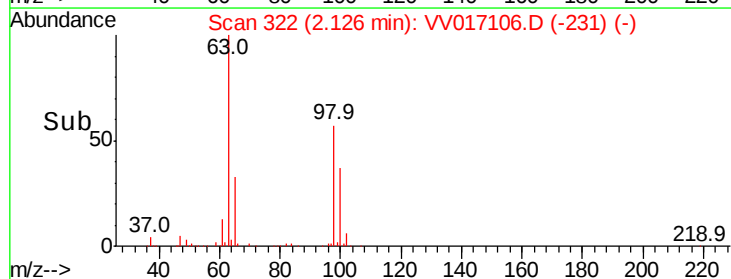
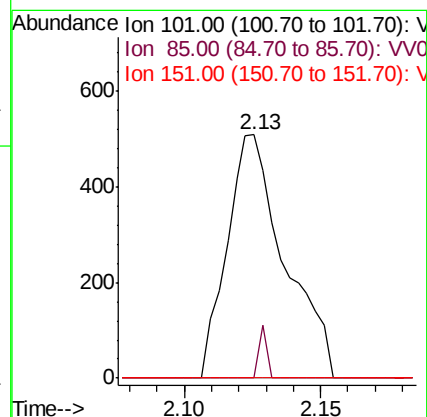
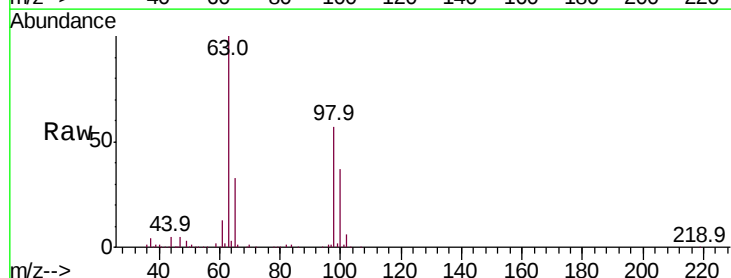
Tgt Ion:101 Resp: 746

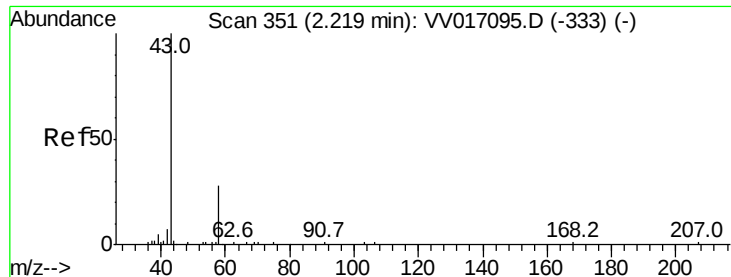
Ion Ratio Lower Upper

101 100

85 2.8 35.4 53.2#

151 0.0 63.9 95.9#





#13

Acetone

Concen: 15.155 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

Lab File: VV017106.D

Acq: 25 Jun 2020 05:53

Instrument :

MSVOA\_V

ClientSampleId :

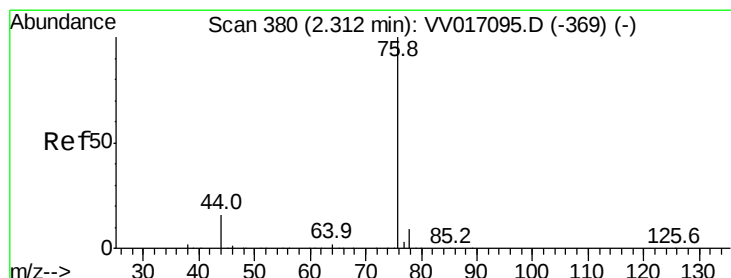
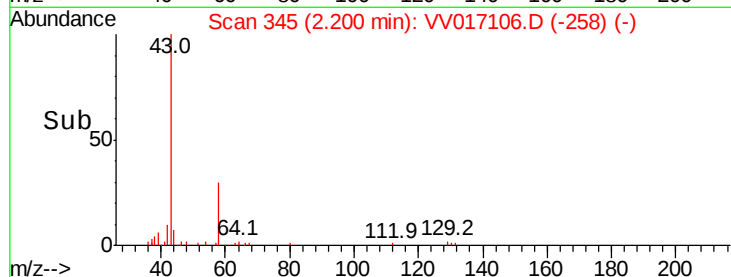
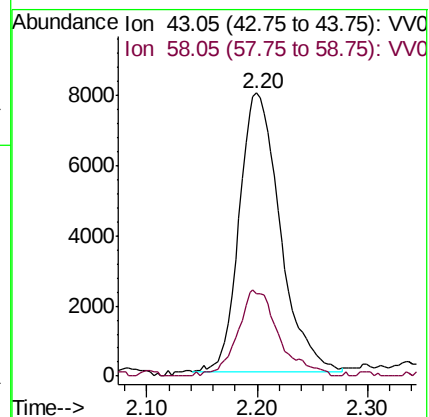
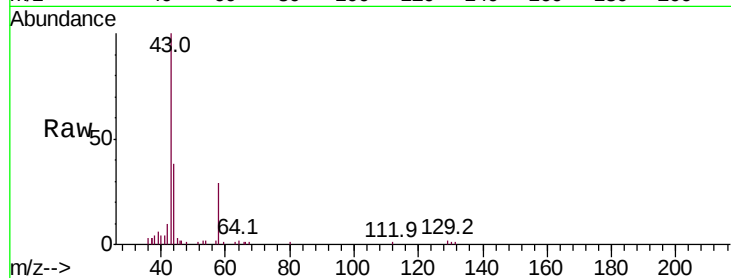
F9L59

Tot Ion: 43 Resp: 20248

Ion Ratio Lower Upper

43 100

58 31.6 0.0 58.4



#14

Carbon disulfide

Concen: 0.040 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017106.D

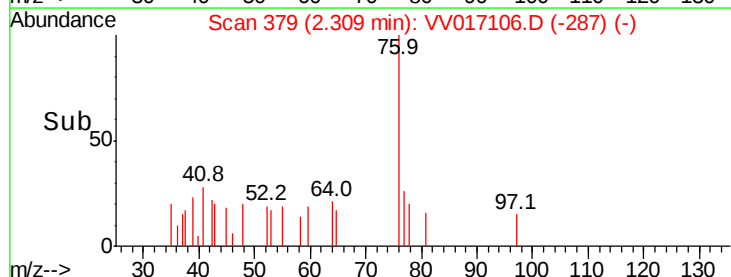
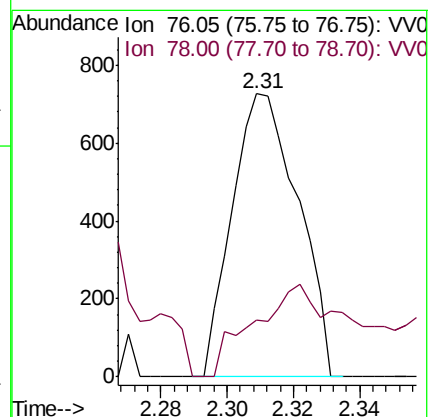
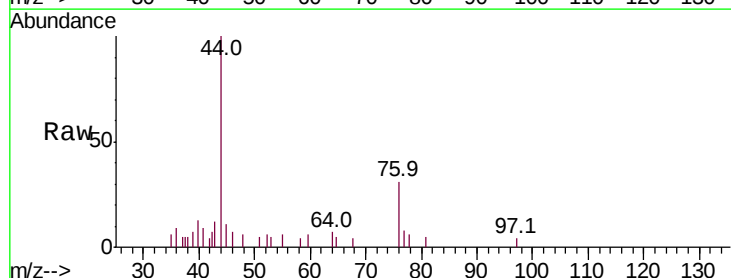
Acq: 25 Jun 2020 05:53

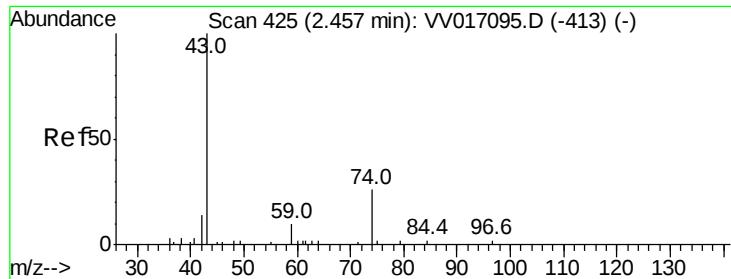
Tgt Ion: 76 Resp: 1006

Ion Ratio Lower Upper

76 100

78 20.1 7.7 11.5#

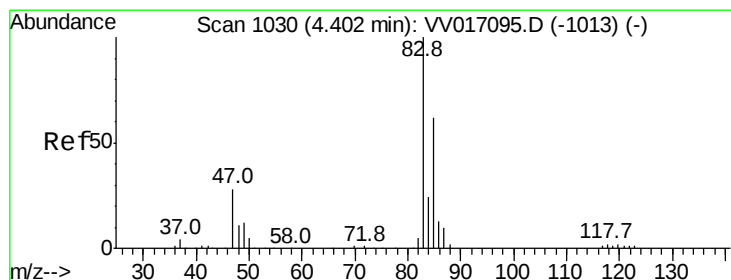
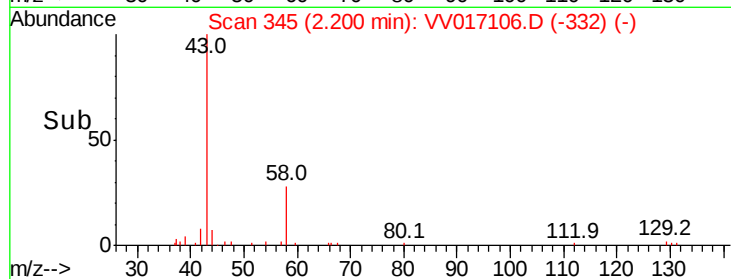
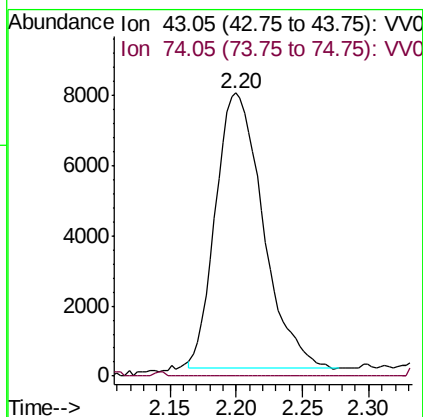
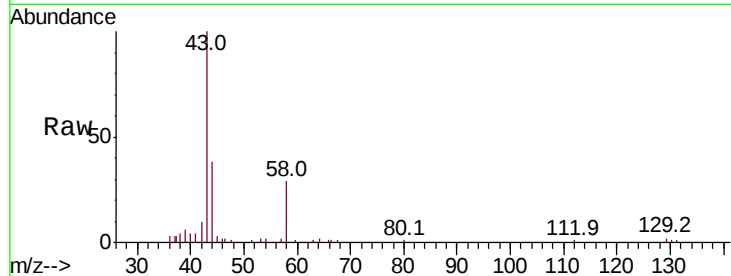




#15  
Methvl Acetate  
Concen: 5.986 ug/L  
RT: 2.20 min Scan# 345  
Delta R.T. -0.26 min  
Lab File: VV017106.D  
Acq: 25 Jun 2020 05:53

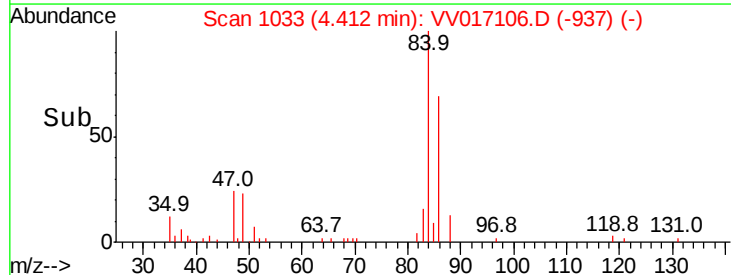
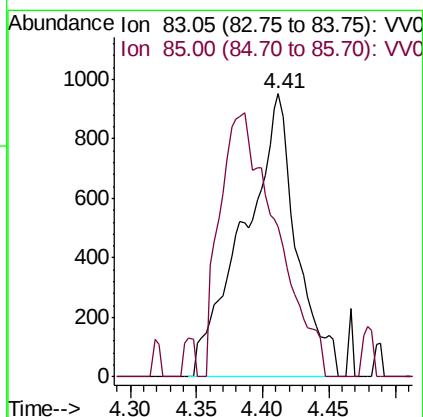
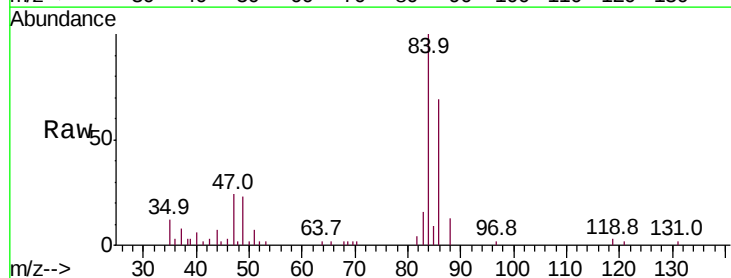
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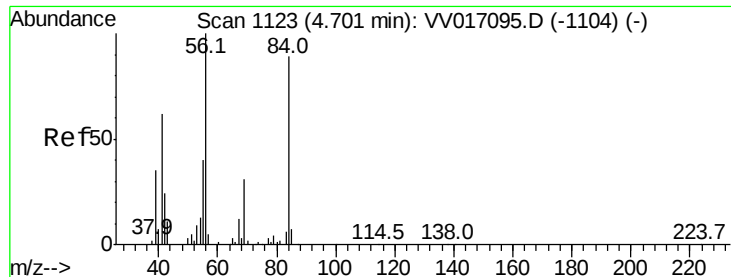
Tot Ion: 43 Resp: 19554  
Ion Ratio Lower Upper  
43 100  
74 0.4 19.1 28.7#



#25  
Chloroform  
Concen: 0.122 ug/L  
RT: 4.41 min Scan# 1033  
Delta R.T. 0.01 min  
Lab File: VV017106.D  
Acq: 25 Jun 2020 05:53

Tgt Ion: 83 Resp: 2633  
Ion Ratio Lower Upper  
83 100  
85 53.2 44.2 82.2

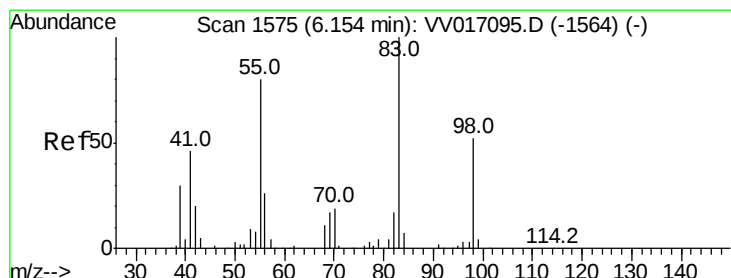
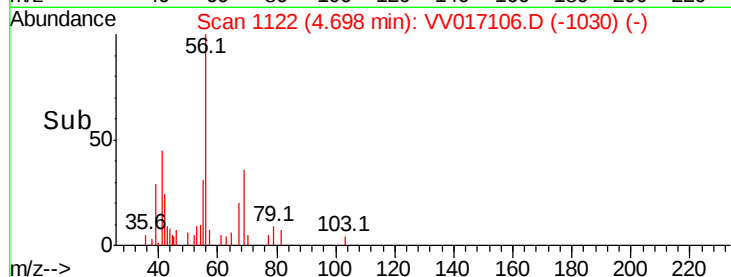
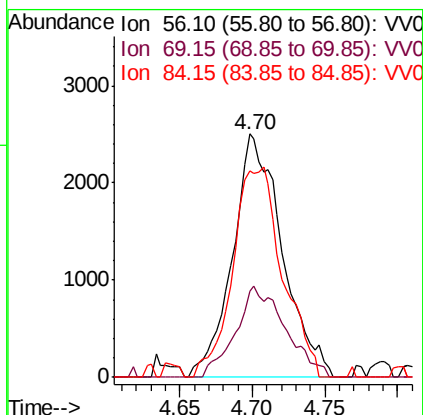
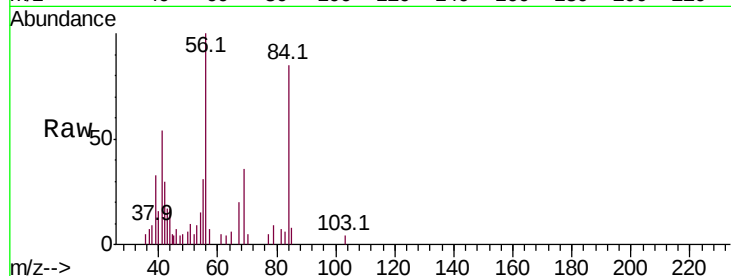




#30  
Cyclohexane  
Concen: 0.307 ug/L  
RT: 4.70 min Scan# 1122  
Delta R.T. -0.00 min  
Lab File: VV017106.D  
Acq: 25 Jun 2020 05:53

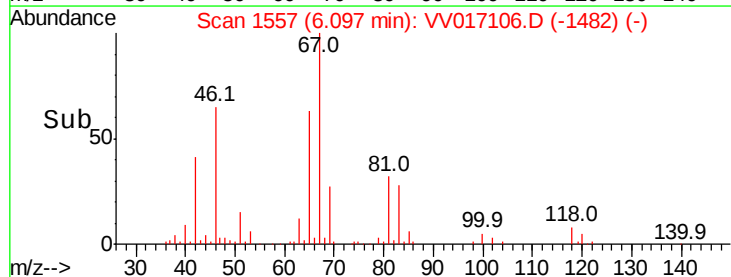
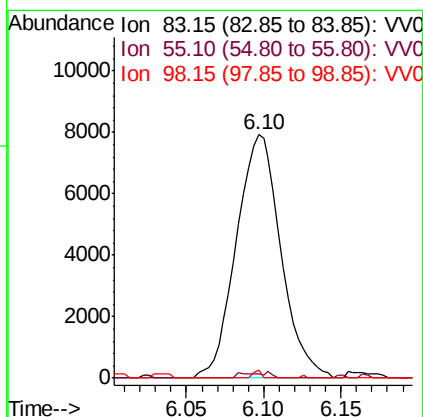
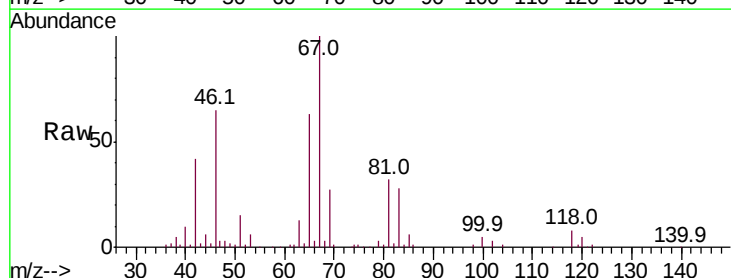
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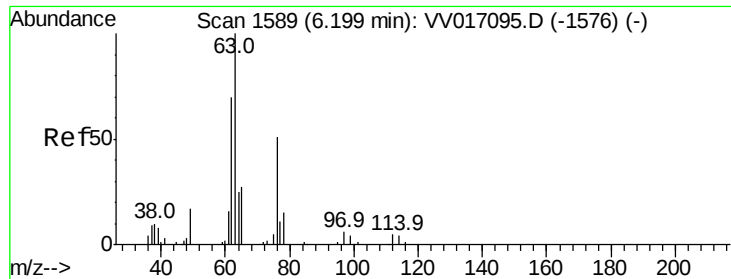
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 37.5  | 24.4  | 36.6# |
| 84      | 86.5  | 69.9  | 104.9 |



#35  
Methylcyclohexane  
Concen: 0.781 ug/L  
RT: 6.10 min Scan# 1557  
Delta R.T. -0.06 min  
Lab File: VV017106.D  
Acq: 25 Jun 2020 05:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.4   | 63.6  | 95.4# |
| 98      | 0.5   | 38.8  | 58.2# |

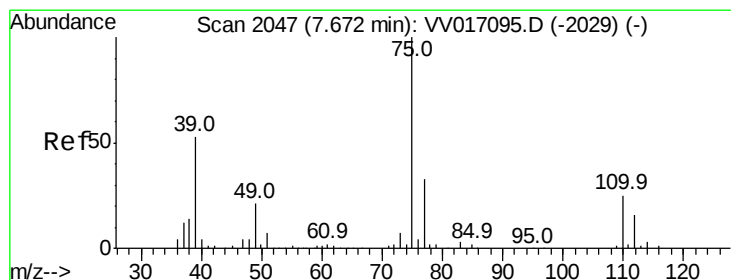
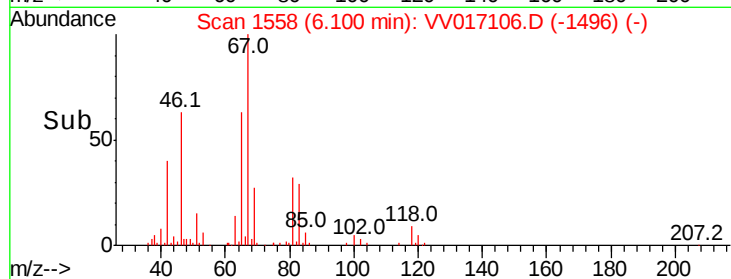
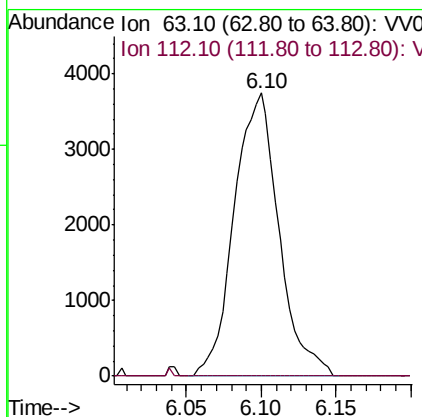
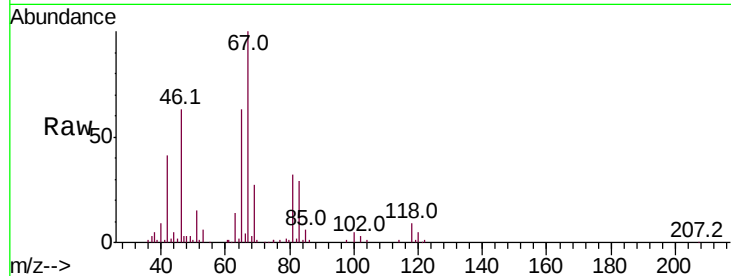




#37  
 1,2-Dichloropropane  
 Concen: 0.706 ug/L  
 RT: 6.10 min Scan# 1558  
 Delta R.T. -0.10 min  
 Lab File: VV017106.D  
 Acq: 25 Jun 2020 05:53

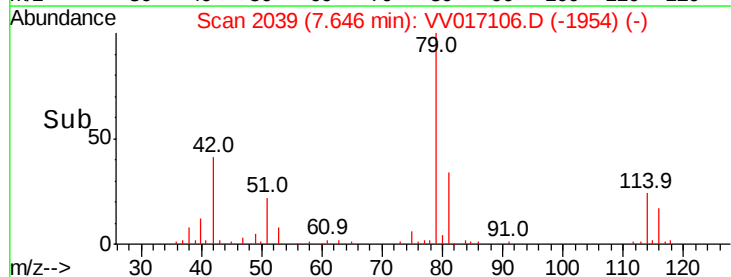
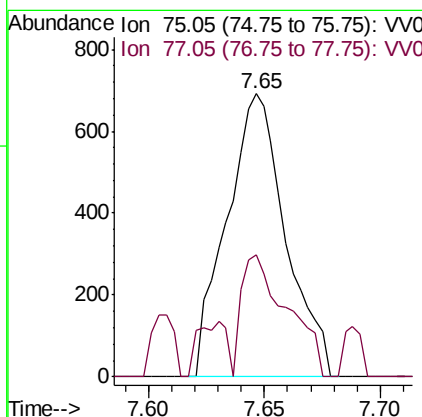
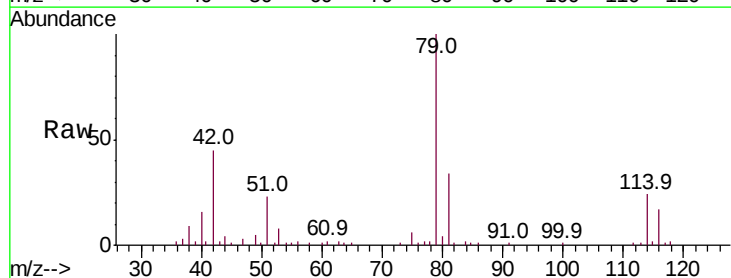
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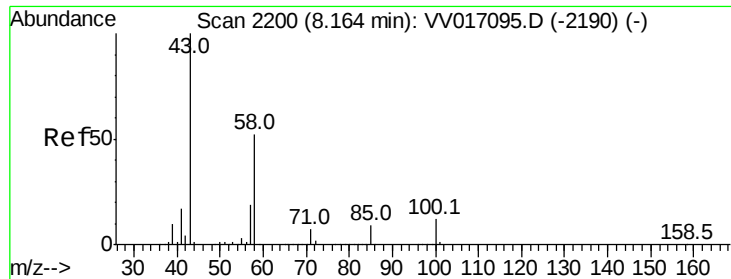
Tot Ion: 63 Resp: 7796  
 Ion Ratio Lower Upper  
 63 100  
 112 0.3 4.4 6.6#



#46  
 trans-1,3-Dichloropropene  
 Concen: 0.086 ug/L  
 RT: 7.65 min Scan# 2039  
 Delta R.T. -0.03 min  
 Lab File: VV017106.D  
 Acq: 25 Jun 2020 05:53

Tgt Ion: 75 Resp: 1224  
 Ion Ratio Lower Upper  
 75 100  
 77 43.1 22.3 41.3#





#50  
 2-Hexanone  
 Concen: 2.711 ug/L  
 RT: 8.11 min Scan# 2183  
 Delta R.T. -0.05 min  
 Lab File: VV017106.D  
 Acq: 25 Jun 2020 05:53

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9L59

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 12305 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 34.4  | 41.6  | 62.4# |
| 57       | 32.8  | 15.4  | 23.0# |
| 100      | 1.8   | 10.1  | 15.1# |

