

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081320\  
 Data File : VW016176.D  
 Acq On : 13 Aug 2020 12:23  
 Operator : SY/VA  
 Sample : L3628-09  
 Misc : 7.29G/10ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAYB3

Quant Time: Aug 14 06:21:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 14 06:19:29 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 457871   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 419888   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 165542   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 103448   | 18.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.88% |
| 7) Chloroethane-d5             | 2.90   | 69    | 78664    | 18.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.04% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 170485   | 14.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.56% |
| 20) 2-Butanone-d5              | 7.10   | 46    | 31812    | 21.30    | ug/L | 0.01   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 42.60% |
| 24) Chloroform-d               | 7.68   | 84    | 14141    | 1.15     | ug/L | 0.04   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 4.60%# |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 121459   | 18.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 74.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 464025   | 20.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 81.24% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 140174   | 20.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 83.48% |
| 37) Toluene-d8                 | 10.33  | 98    | 415914   | 19.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.40% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 55344    | 18.33    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.32% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 20272    | 17.49    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 34.98% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 147      | 0.03     | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 0.12%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 130871   | 22.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.20% |

## Target Compounds

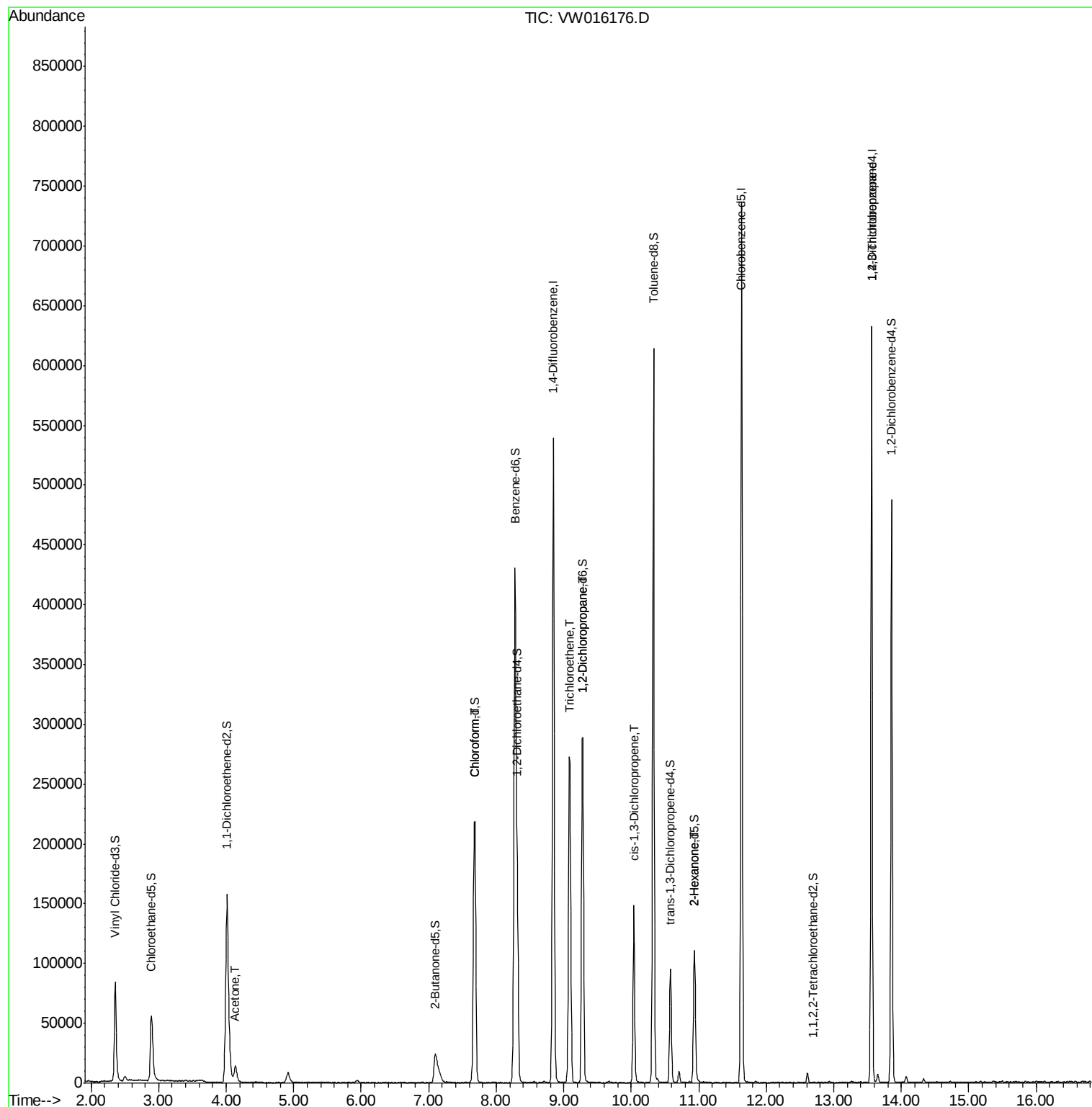
|                             |       |    |        |        | Ovalue    |
|-----------------------------|-------|----|--------|--------|-----------|
| 13) Acetone                 | 4.14  | 43 | 23978  | 21.219 | ug/L 92   |
| 25) Chloroform              | 7.68  | 83 | 220117 | 18.917 | ug/L 99   |
| 35) Trichloroethene         | 9.09  | 95 | 51306  | 7.880  | ug/L 97   |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 15597  | 2.623  | ug/L # 85 |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3821   | 0.422  | ug/L # 63 |
| 49) 2-Hexanone              | 10.94 | 43 | 6499   | 2.693  | ug/L # 76 |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 20085  | 4.855  | ug/L 91   |

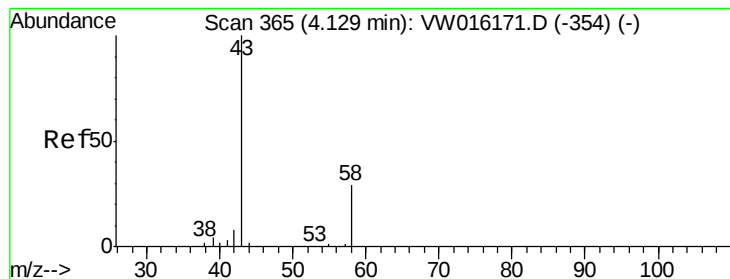
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L3628-09  
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MSVOA\_W  
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GAYB3

Quant Time: Aug 14 06:21:17 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Aug 14 06:19:29 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 21.219 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016176.D

Acq: 13 Aug 2020 12:23

Instrument :

MSVOA\_W

ClientSampleId :

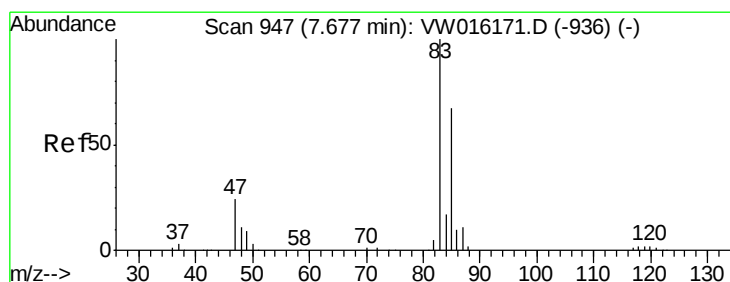
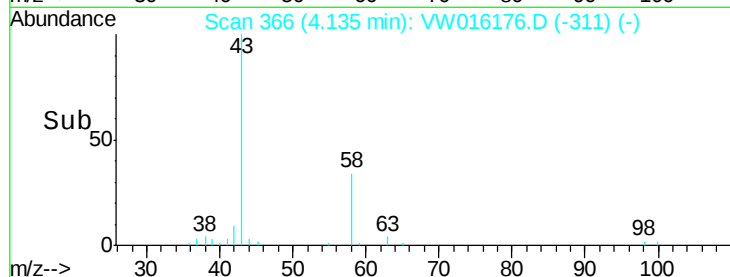
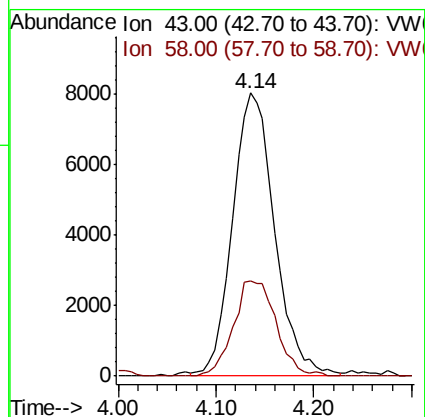
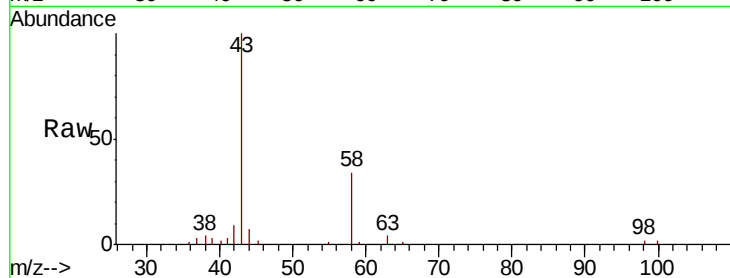
GAYB3

Tot Ion: 43 Resp: 23978

Ion Ratio Lower Upper

43 100

58 33.8 0.0 59.4



#25

Chloroform

Concen: 18.917 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016176.D

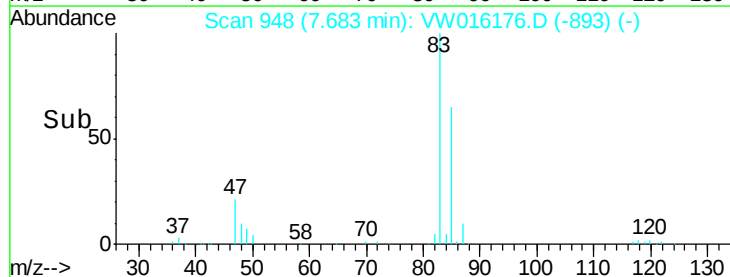
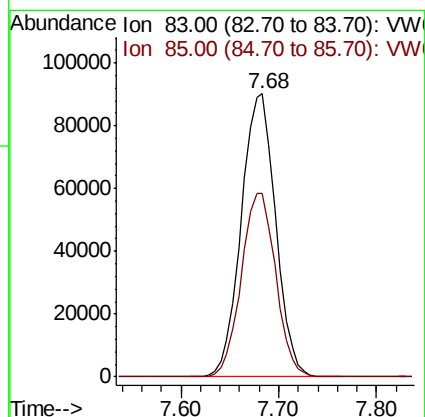
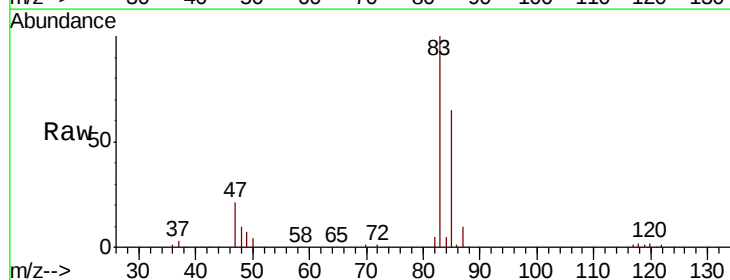
Acq: 13 Aug 2020 12:23

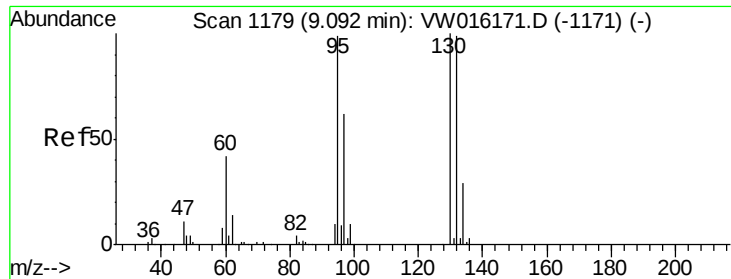
Tgt Ion: 83 Resp: 220117

Ion Ratio Lower Upper

83 100

85 65.0 46.0 85.4

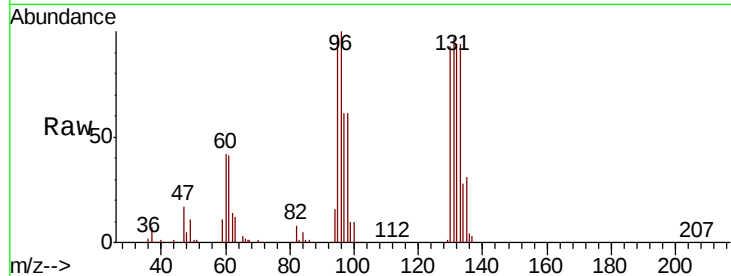




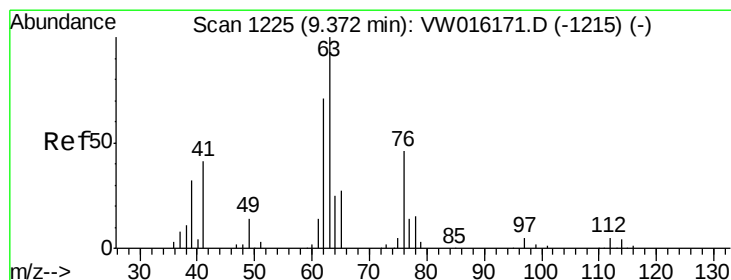
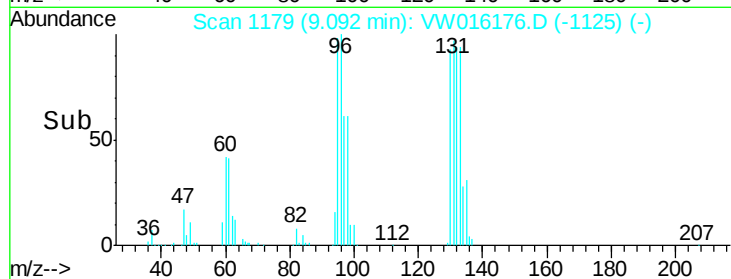
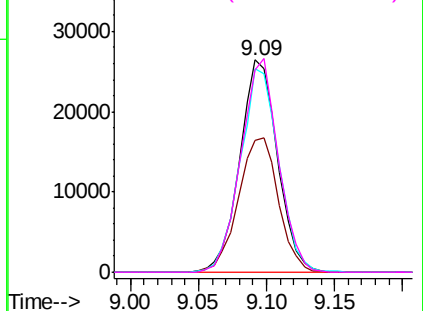
#35  
 Trichloroethene  
 Concen: 7.880 ug/L  
 RT: 9.09 min Scan# 1179  
 Delta R.T. -0.00 min  
 Lab File: VW016176.D  
 Acq: 13 Aug 2020 12:23

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 GAYB3

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 51306 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 67.3  | 44.9  | 83.3  |
| 132      | 98.0  | 65.8  | 122.2 |
| 130      | 100.3 | 69.5  | 129.1 |

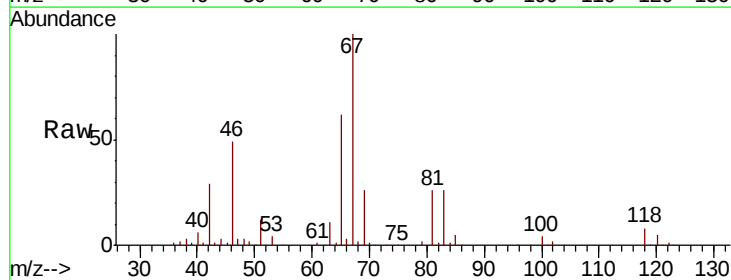


Abundance Ion 95.00 (94.70 to 95.70): VW  
 Ion 97.00 (96.70 to 97.70): VW  
 Ion 132.00 (131.70 to 132.70): V  
 Ion 130.00 (129.70 to 130.70): V

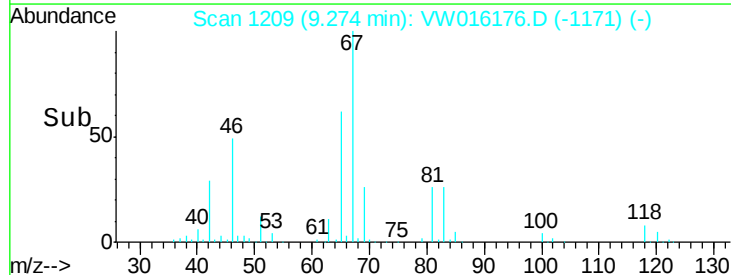
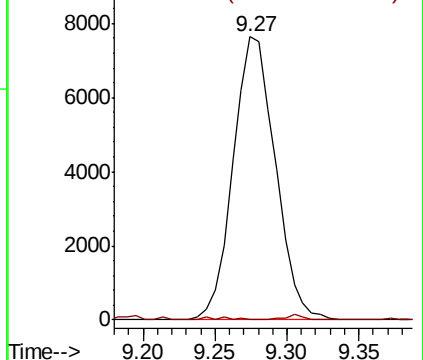


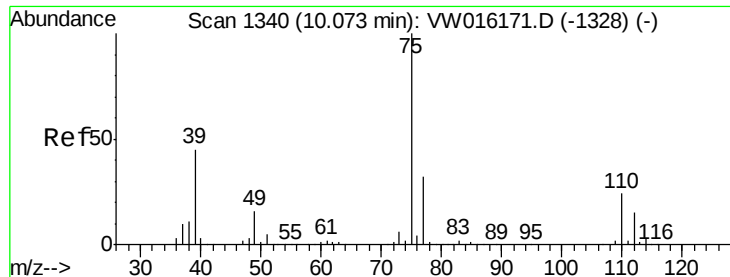
#40  
 1,2-Dichloropropane  
 Concen: 2.623 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW016176.D  
 Acq: 13 Aug 2020 12:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 15597 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.1   | 4.0   | 6.0#  |



Abundance Ion 63.00 (62.70 to 63.70): VW  
 Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.422 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016176.D

Acq: 13 Aug 2020 12:23

Instrument :

MSVOA\_W

ClientSampleId :

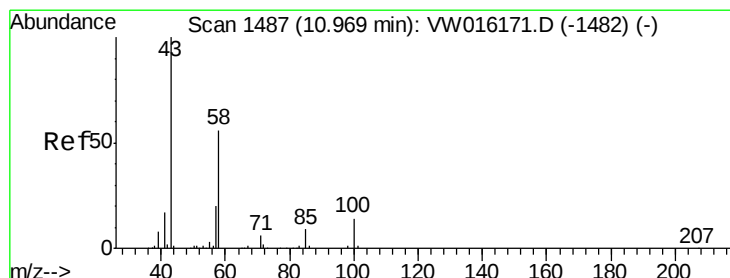
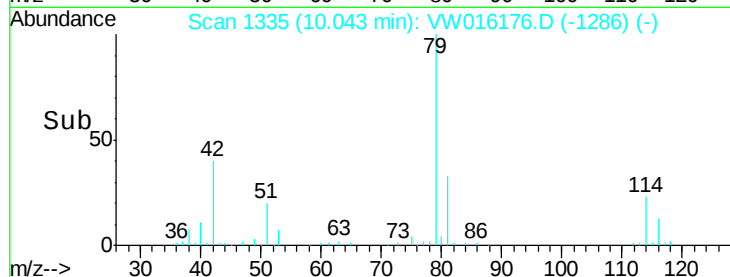
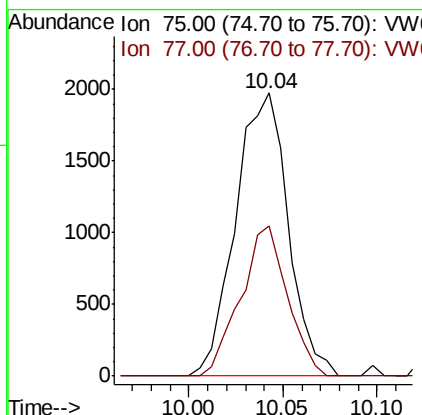
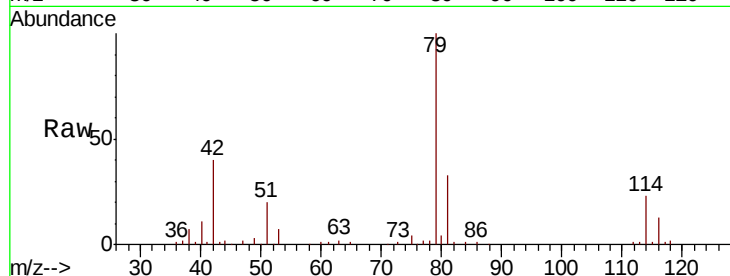
GAYB3

Tot Ion: 75 Resp: 3821

Ion Ratio Lower Upper

75 100

77 53.3 22.9 42.5#



#49

2-Hexanone

Concen: 2.693 ug/L

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW016176.D

Acq: 13 Aug 2020 12:23

Tgt Ion: 43 Resp: 6499

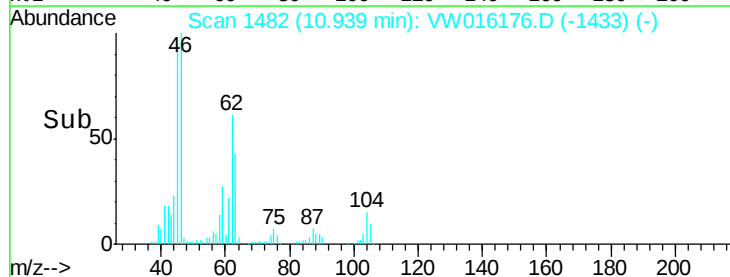
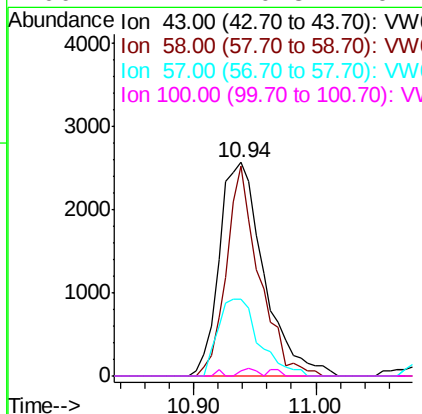
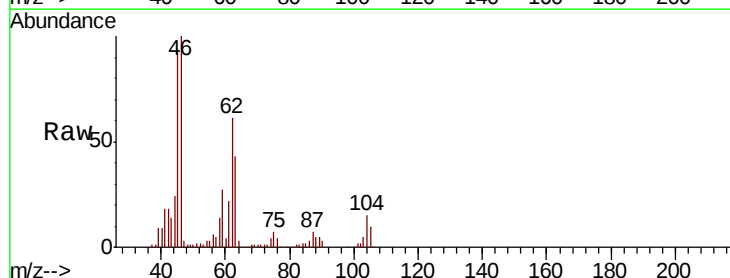
Ion Ratio Lower Upper

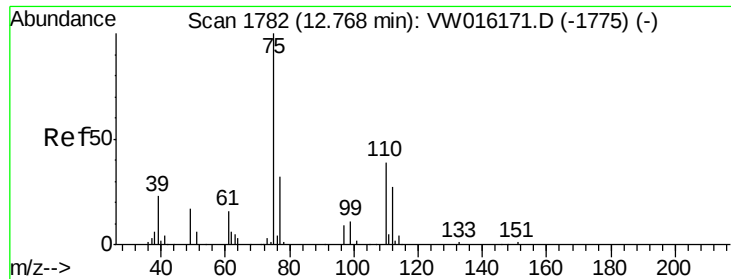
43 100

58 70.1 44.2 66.2#

57 33.2 15.8 23.6#

100 1.2 10.8 16.2#





#59

1,2,3-Trichloropropane

Concen: 4.855 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016176.D

Acq: 13 Aug 2020 12:23

Instrument :

MSVOA\_W

ClientSampleId :

GAYB3

Tot Ion: 75 Resp: 20085

Ion Ratio Lower Upper

75 100

77 37.7 25.9 38.9

