

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052720\  
 Data File : VW015505.D  
 Acq On : 27 May 2020 15:34  
 Operator : SY/VA  
 Sample : L2755-09  
 Misc : 12.55G/10.0mL/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAXD3

Quant Time: May 28 01:52:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 28 01:49:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 357028   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 325026   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 138991   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 88713    | 27.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 108.44% |
| 7) Chloroethane-d5             | 2.89   | 69    | 84399    | 25.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.76% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 132823   | 16.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.64%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 64114    | 60.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 120.04% |
| 24) Chloroform-d               | 7.65   | 84    | 194116   | 23.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.04%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 123206   | 26.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.28% |
| 29) Benzene-d6                 | 8.27   | 84    | 389807   | 24.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.80%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 120742   | 24.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.72%  |
| 37) Toluene-d8                 | 10.32  | 98    | 361770   | 23.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.36%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 52807    | 23.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.28%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 55580    | 66.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 132.56% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 102215   | 28.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 112.08% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 118852   | 25.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.08% |

## Target Compounds

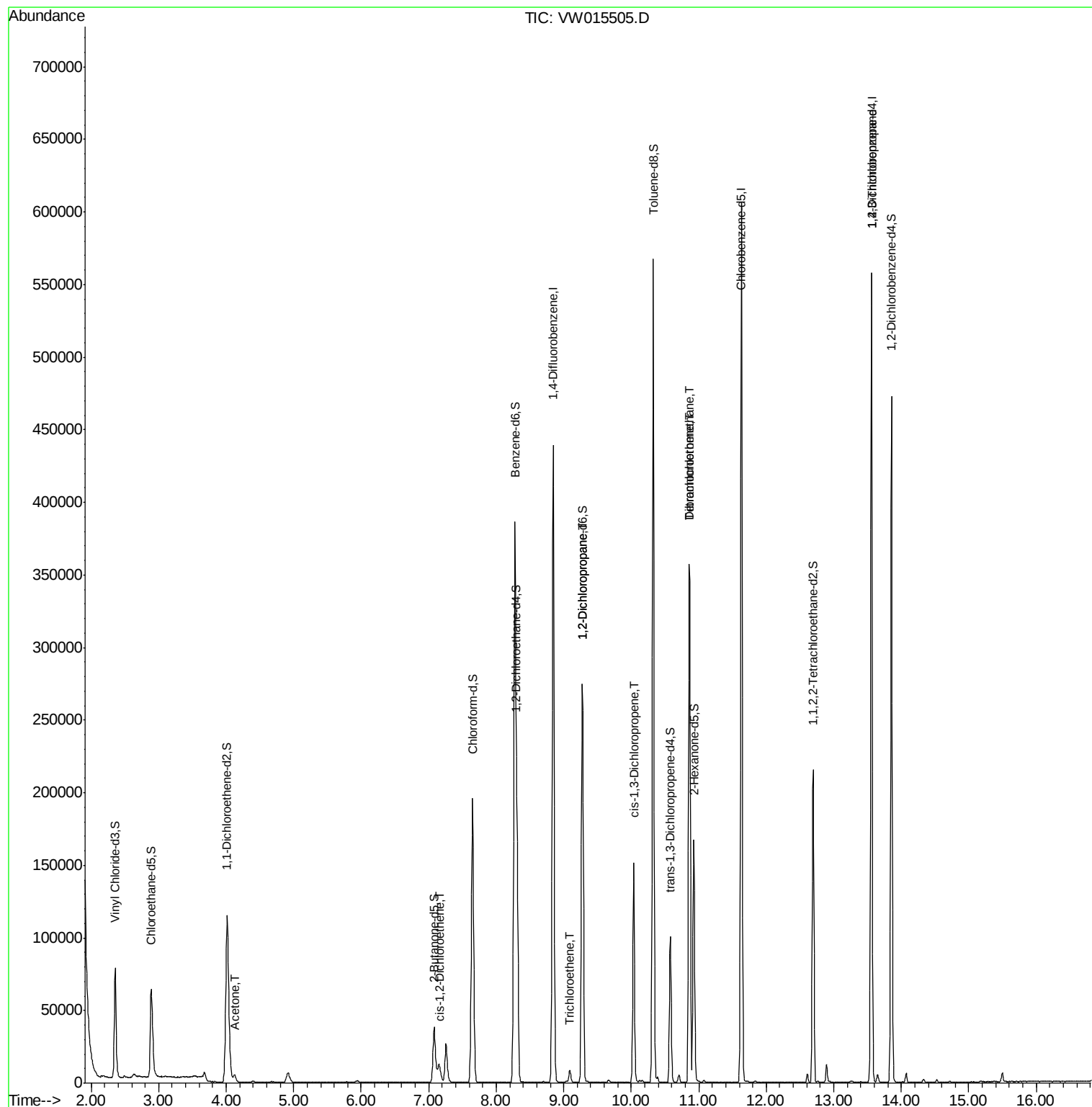
|                             |       |     |       |               | Ovalue |
|-----------------------------|-------|-----|-------|---------------|--------|
| 13) Acetone                 | 4.12  | 43  | 8002  | 9.690 ug/L    | 99     |
| 22) cis-1,2-Dichloroethene  | 7.17  | 96  | 1691  | 0.355 ug/L    | 79     |
| 35) Trichloroethene         | 9.09  | 95  | 2612  | 0.535 ug/L    | 98     |
| 40) 1,2-Dichloropropane     | 9.27  | 63  | 14600 | 3.262 ug/L #  | 85     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75  | 3928  | 0.548 ug/L #  | 61     |
| 47) Tetrachloroethene       | 10.86 | 164 | 80066 | 20.687 ug/L   | 94     |
| 50) Dibromochloromethane    | 10.87 | 129 | 76490 | 20.104 ug/L # | 12     |
| 59) 1,2,3-Trichloropropane  | 13.55 | 75  | 18228 | 6.631 ug/L #  | 88     |

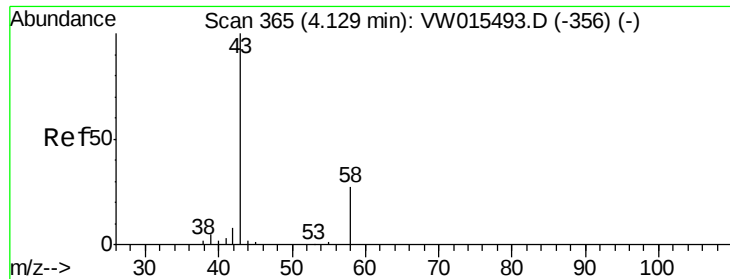
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052720\  
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Sample : L2755-09  
Misc : 12.55G/10.0mL/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAXD3

Quant Time: May 28 01:52:43 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
Quant Title : VOC Analysis  
QLast Update : Thu May 28 01:49:49 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 9.690 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015505.D

Acq: 27 May 2020 15:34

Instrument :

MSVOA\_W

ClientSampleId :

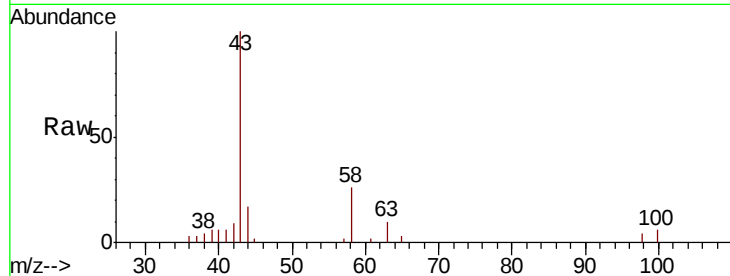
GAXD3

Tot Ion: 43 Resp: 8002

Ion Ratio Lower Upper

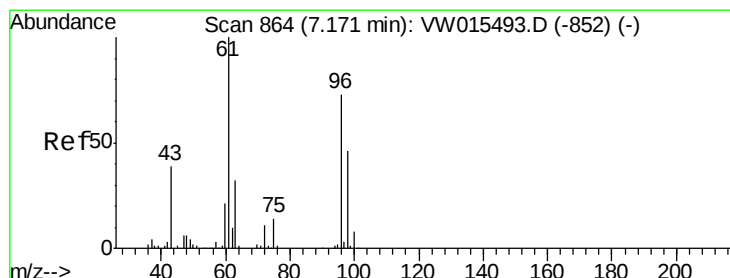
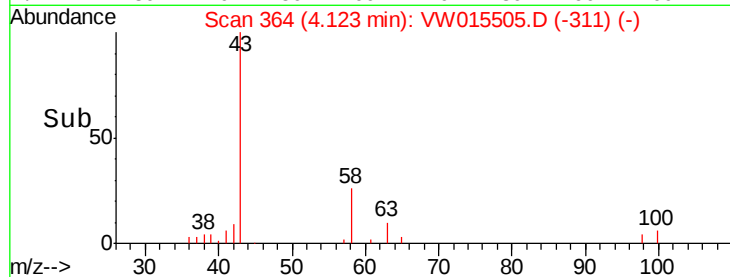
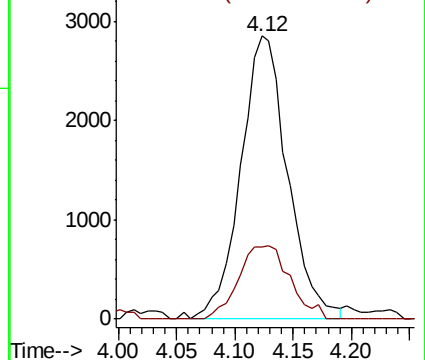
43 100

58 27.6 0.0 56.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#22

cis-1,2-Dichloroethene

Concen: 0.355 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015505.D

Acq: 27 May 2020 15:34

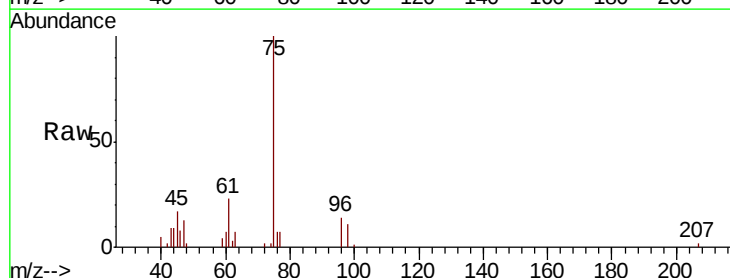
Tgt Ion: 96 Resp: 1691

Ion Ratio Lower Upper

96 100

61 160.3 93.7 173.9

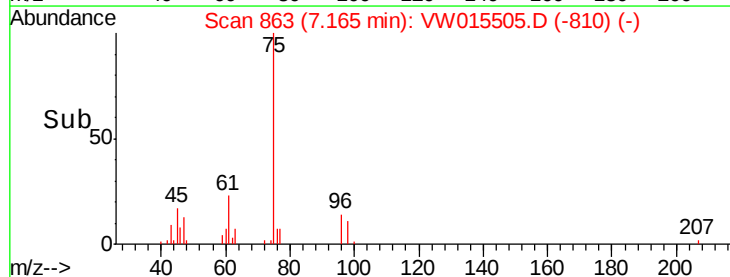
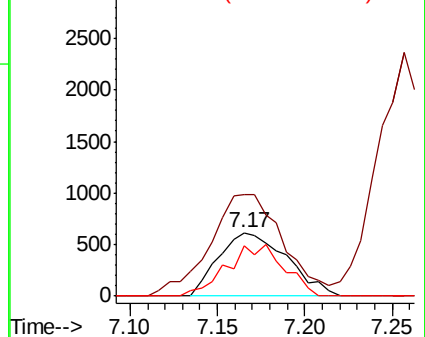
98 79.3 45.1 83.9

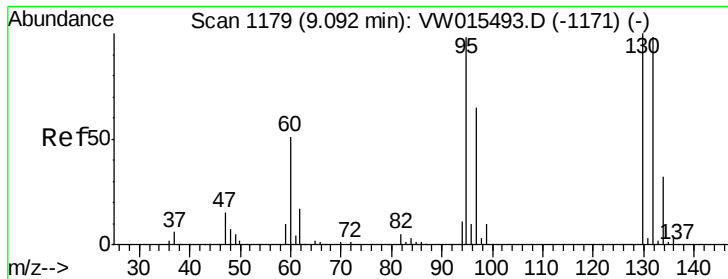


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 0.535 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015505.D

Acq: 27 May 2020 15:34

Instrument :

MSVOA\_W

ClientSampleId :

GAXD3

Tot Ion: 95 Resp: 2612

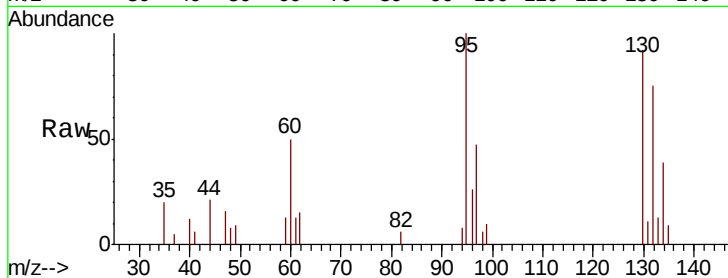
Ion Ratio Lower Upper

95 100

97 63.0 45.4 84.2

132 91.5 67.1 124.7

130 98.6 69.4 128.8



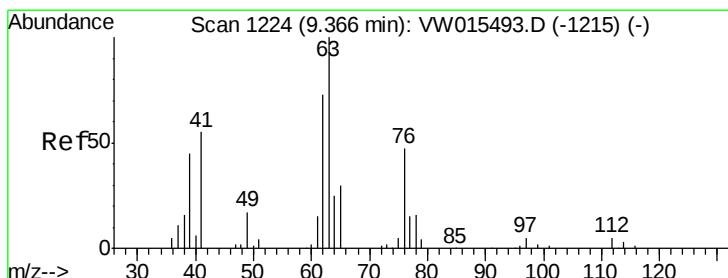
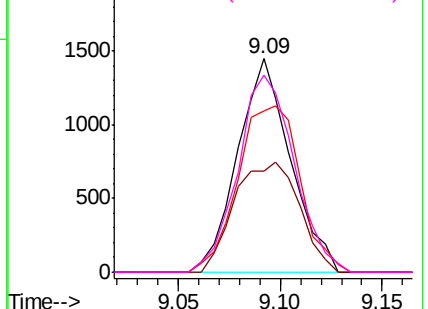
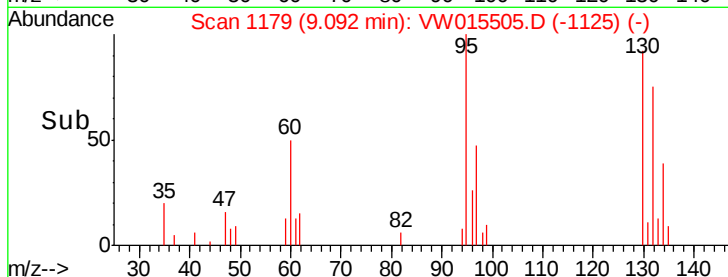
Abundance

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: 3.262 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW015505.D

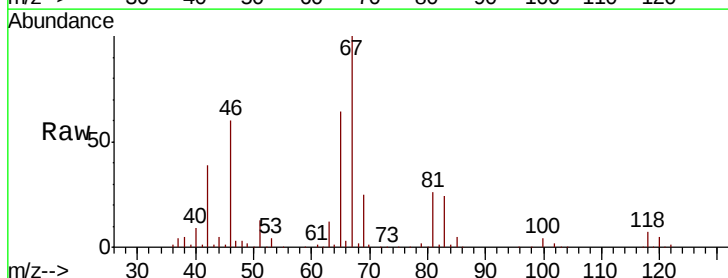
Acq: 27 May 2020 15:34

Tgt Ion: 63 Resp: 14600

Ion Ratio Lower Upper

63 100

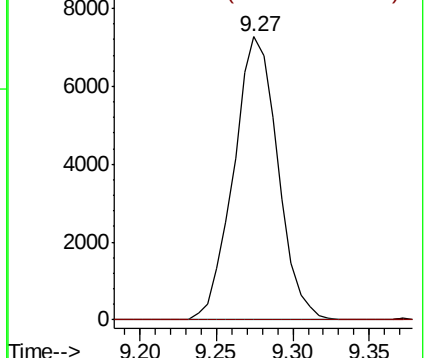
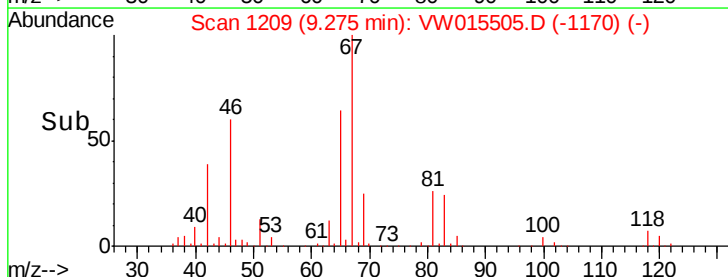
112 0.0 3.8 5.8#

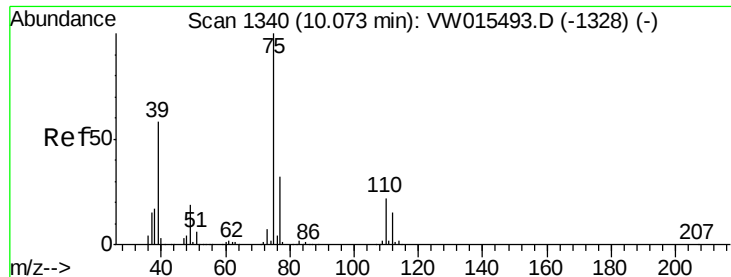


Abundance

Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.548 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015505.D

Acq: 27 May 2020 15:34

Instrument :

MSVOA\_W

ClientSampleId :

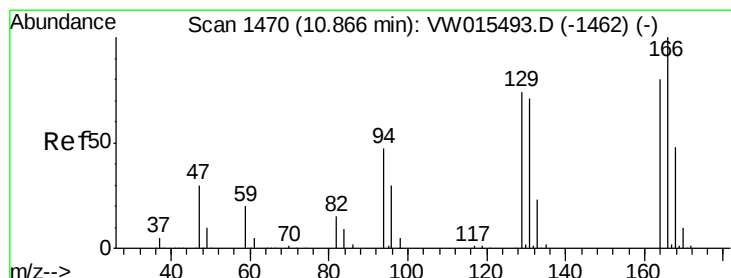
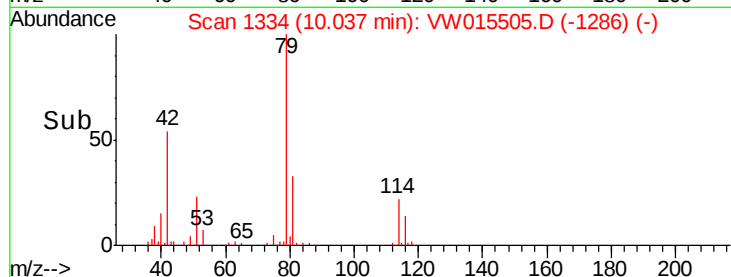
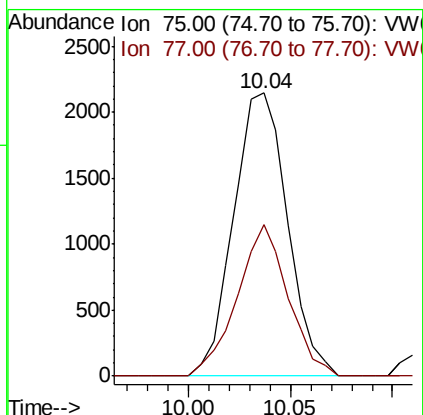
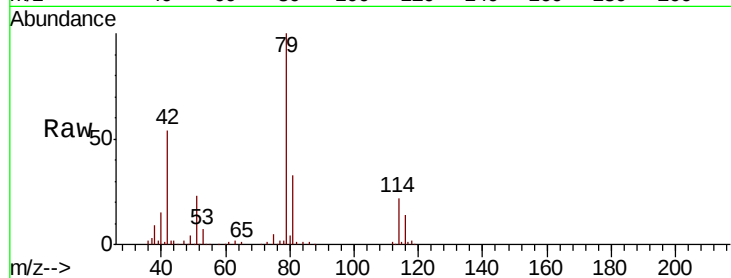
GAXD3

Tot Ion: 75 Resp: 3928

Ion Ratio Lower Upper

75 100

77 53.5 22.3 41.5#



#47

Tetrachloroethene

Concen: 20.687 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW015505.D

Acq: 27 May 2020 15:34

Tgt Ion: 164 Resp: 80066

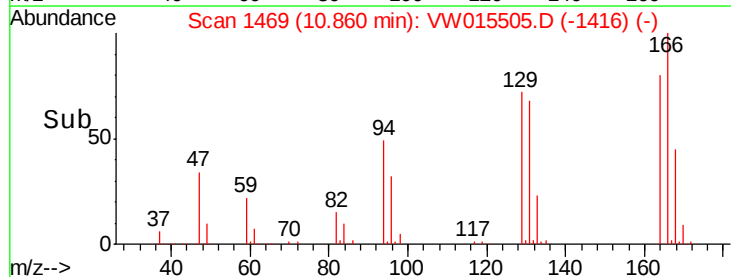
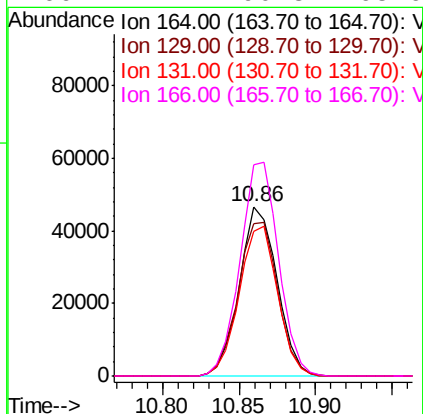
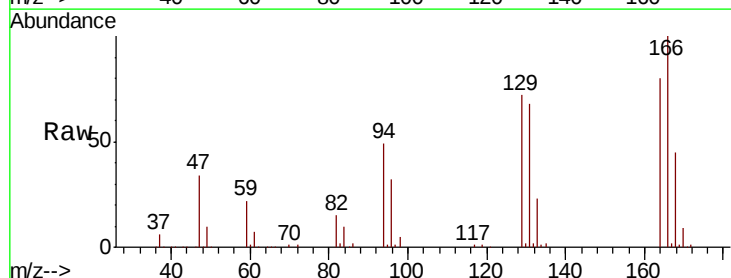
Ion Ratio Lower Upper

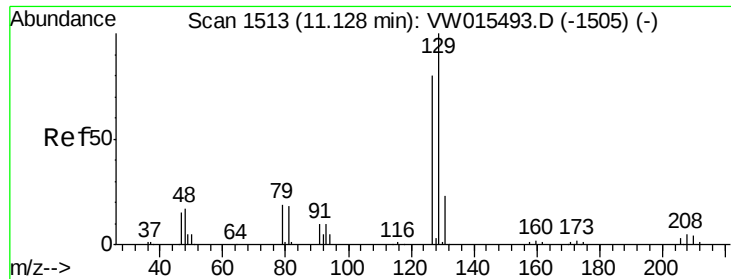
164 100

129 90.2 66.3 123.1

131 85.1 65.1 120.9

166 124.7 90.8 168.6





#50

Dibromochloromethane

Concen: 20.104 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW015505.D

Acq: 27 May 2020 15:34

Instrument :

MSVOA\_W

ClientSampleId :

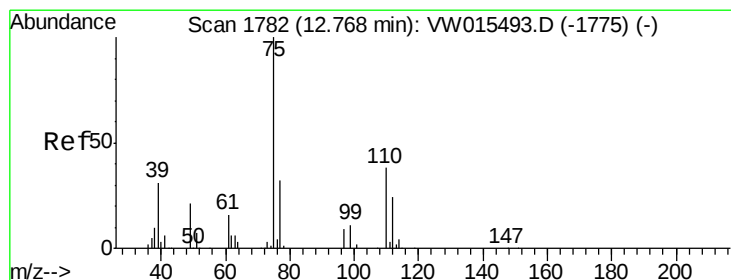
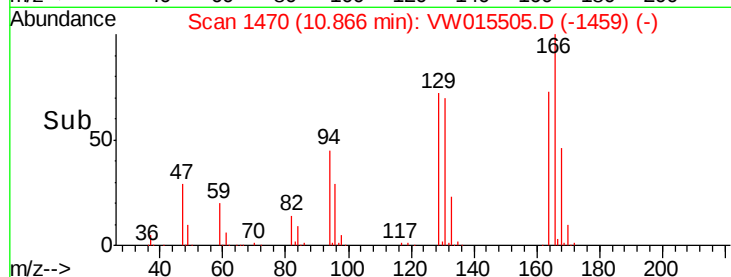
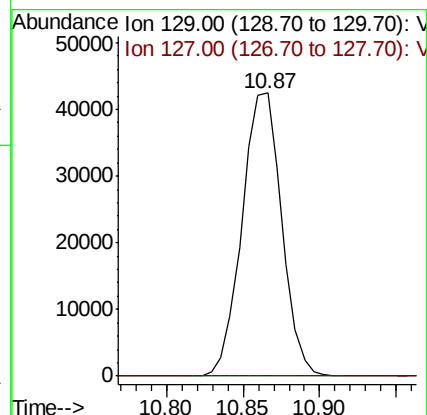
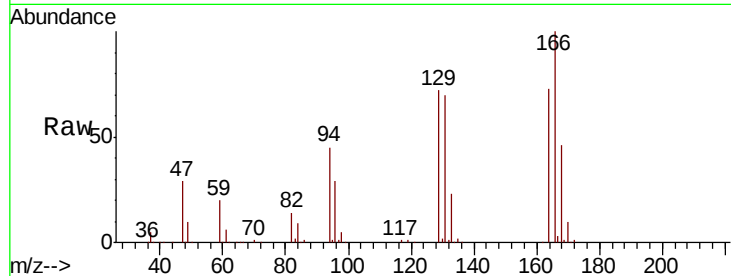
GAXD3

Tot Ion:129 Resp: 76490

Ion Ratio Lower Upper

129 100

127 0.0 53.0 98.4#



#59

1,2,3-Trichloropropane

Concen: 6.631 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW015505.D

Acq: 27 May 2020 15:34

Tgt Ion: 75 Resp: 18228

Ion Ratio Lower Upper

75 100

77 39.4 25.9 38.9#

