

Data File : VW014017.D  
Acq On : 14 Nov 2019 13:41  
Operator : SY/VA  
Sample : K5798-12  
Misc : 5.05G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFLX0

Quant Time: Nov 15 01:49:22 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 15 01:46:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 376221   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 344480   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 157416   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 112560   | 18.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.00% |
| 7) Chloroethane-d5             | 2.89   | 69    | 97743    | 20.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.36% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 177924   | 14.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.76% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 72388    | 41.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.02% |
| 24) Chloroform-d               | 7.64   | 84    | 255972   | 22.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 88.52% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 131910   | 22.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.72% |
| 29) Benzene-d6                 | 8.27   | 84    | 550799   | 22.54    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.16% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 168549   | 23.54    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.16% |
| 37) Toluene-d8                 | 10.32  | 98    | 491383   | 21.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.80% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 61038    | 19.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 79.64% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 58694    | 43.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.46% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 121052   | 22.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 89.56% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 145070   | 22.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.76% |

#### Target Compounds

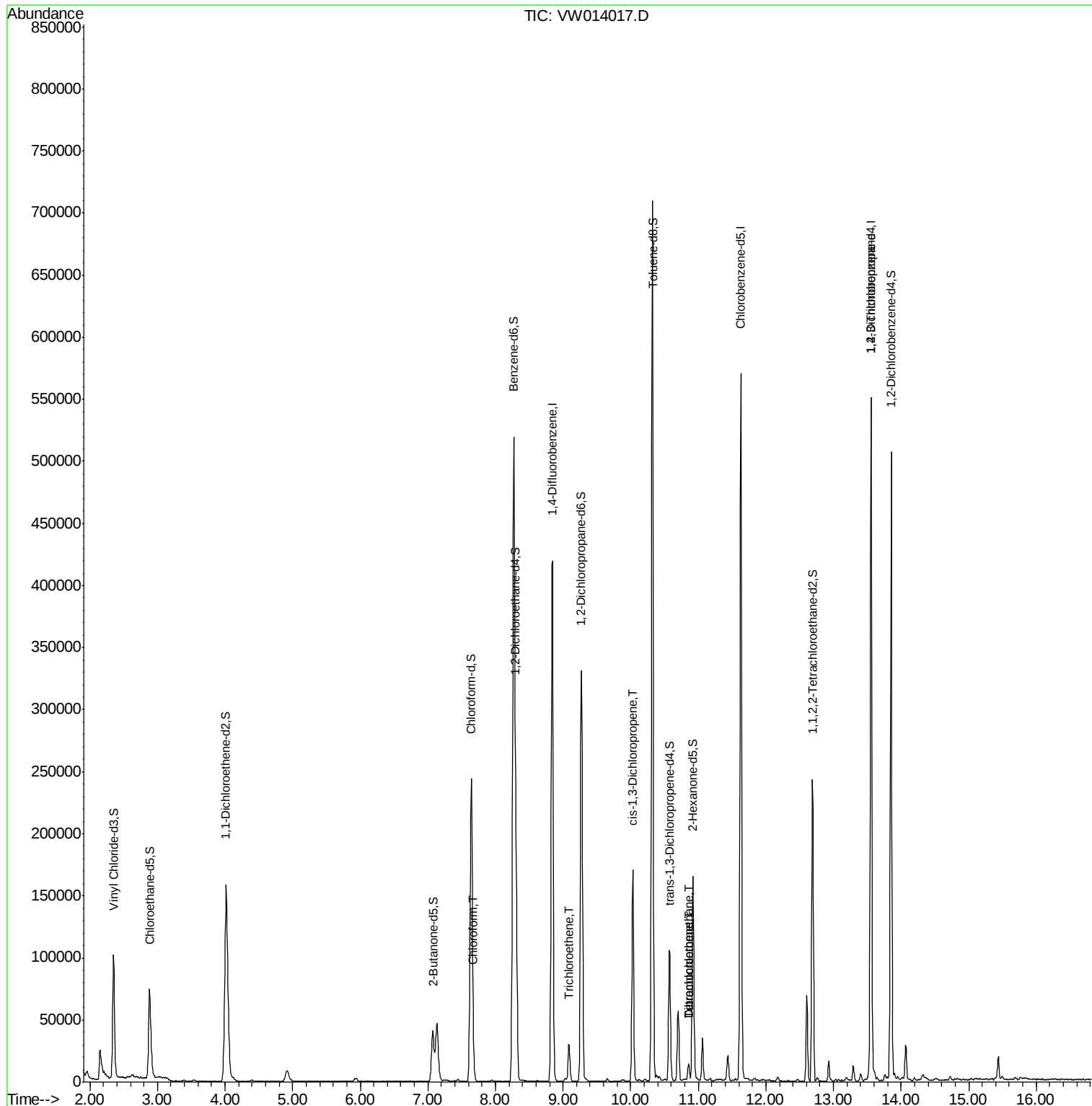
|                             |       |     |       |              | Qvalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 25) Chloroform              | 7.68  | 83  | 5398  | 0.493 ug/L # | 71     |
| 35) Trichloroethene         | 9.09  | 95  | 10087 | 1.497 ug/L   | 96     |
| 42) cis-1,3-Dichloropropene | 10.03 | 75  | 3724  | 0.388 ug/L # | 29     |
| 47) Tetrachloroethene       | 10.86 | 164 | 3332  | 0.555 ug/L   | 94     |
| 50) Dibromochloromethane    | 10.86 | 129 | 2824  | 0.538 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane  | 13.55 | 75  | 16479 | 4.199 ug/L   | 92     |

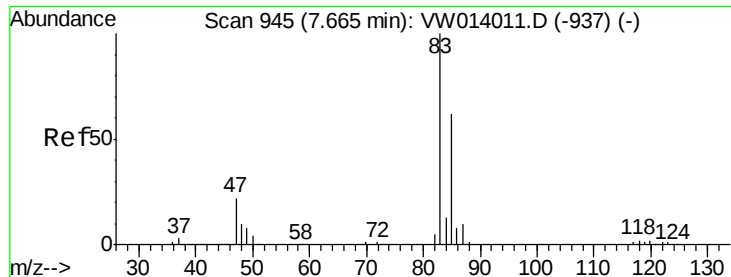
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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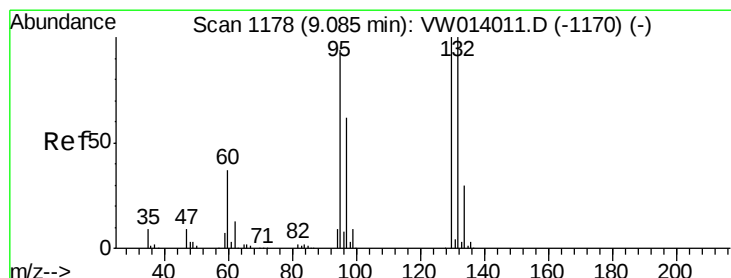
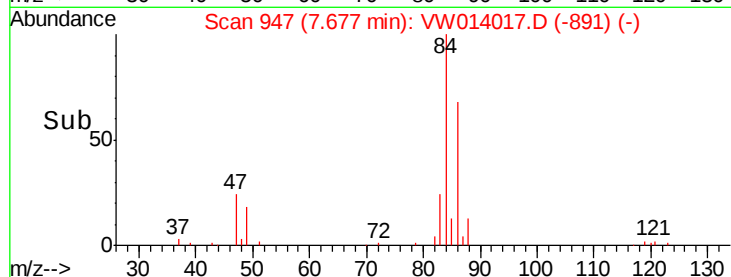
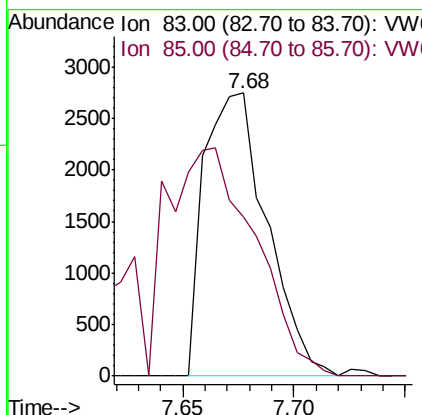
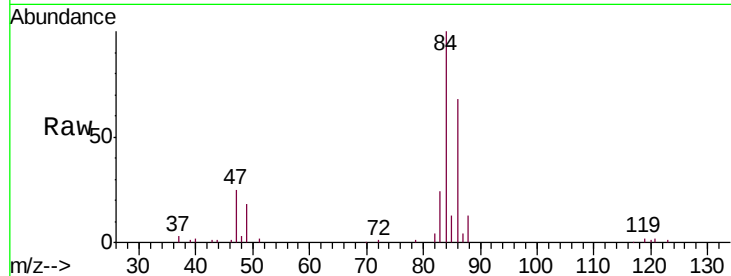




#25  
Chloroform  
Concen: 0.493 ug/L  
RT: 7.68 min Scan# 947  
Delta R.T. 0.01 min  
Lab File: VW014017.D  
Acq: 14 Nov 2019 13:41

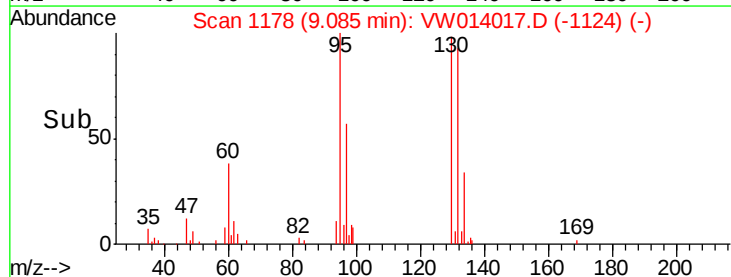
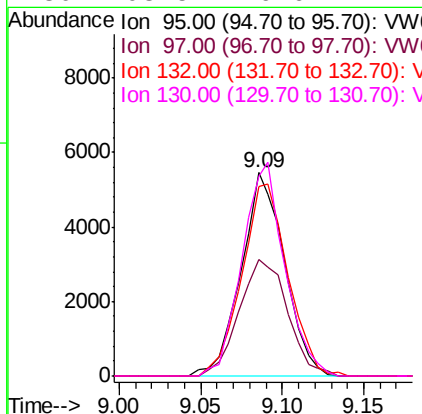
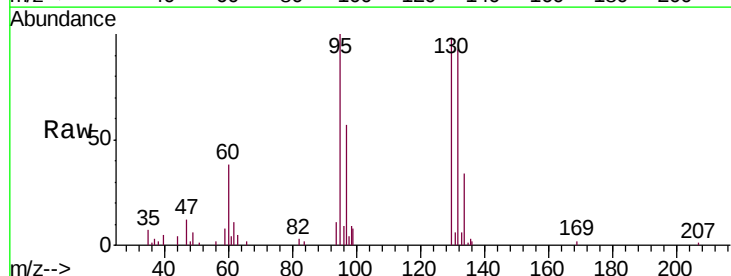
Instrument :  
MSVOA\_W  
ClientSampleId :  
BFLX0

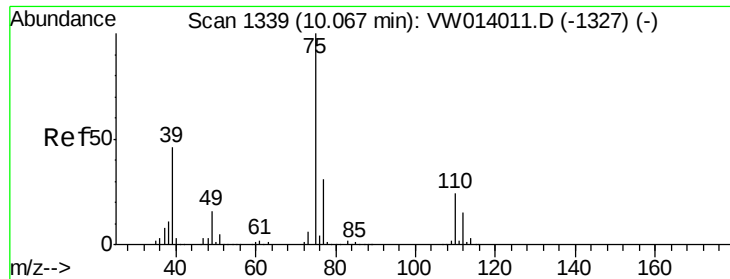
Tgt Ion: 83 Resp: 5398  
Ion Ratio Lower Upper  
83 100  
85 88.6 46.1 85.7#



#35  
Trichloroethene  
Concen: 1.497 ug/L  
RT: 9.09 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: VW014017.D  
Acq: 14 Nov 2019 13:41

Tgt Ion: 95 Resp: 10087  
Ion Ratio Lower Upper  
95 100  
97 63.6 45.1 83.9  
132 100.2 73.7 136.9  
130 103.5 76.6 142.2





#42

cis-1,3-Dichloropropene

Concen: 0.388 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014017.D

Acq: 14 Nov 2019 13:41

Instrument :

MSVOA\_W

ClientSampleId :

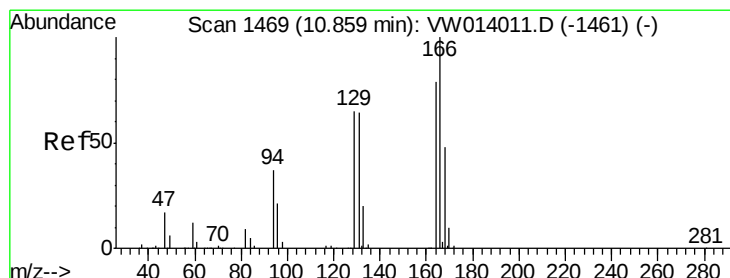
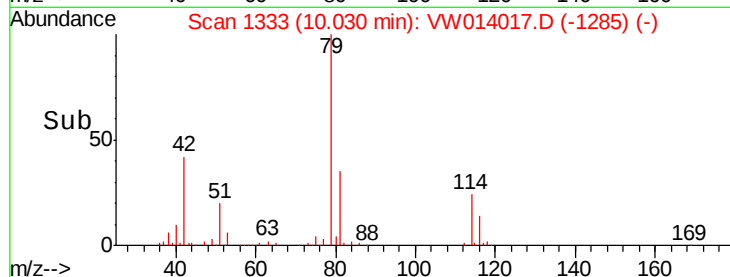
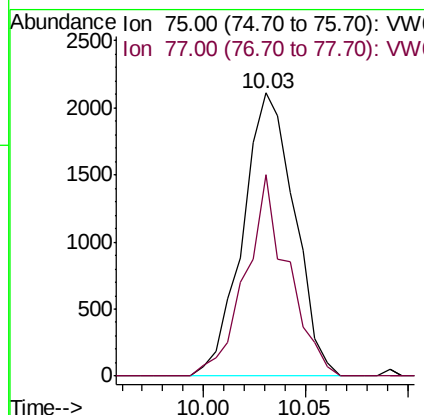
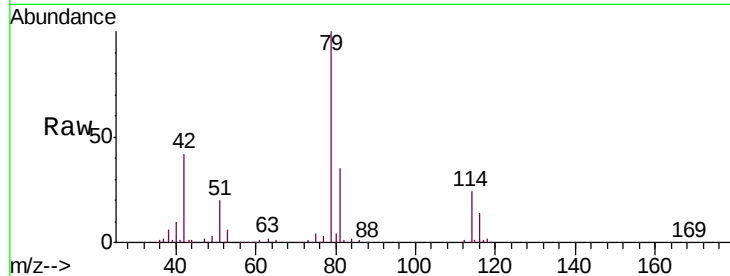
BFLX0

Tgt Ion: 75 Resp: 3724

Ion Ratio Lower Upper

75 100

77 71.1 22.1 41.1#



#47

Tetrachloroethene

Concen: 0.555 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014017.D

Acq: 14 Nov 2019 13:41

Tgt Ion: 164 Resp: 3332

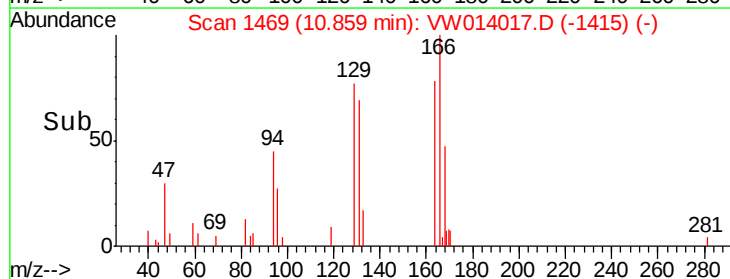
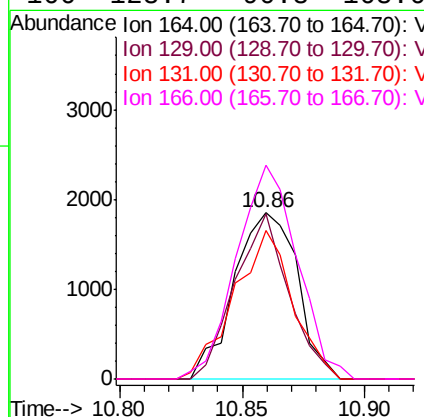
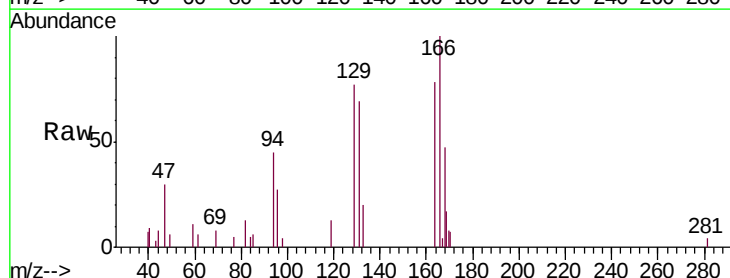
Ion Ratio Lower Upper

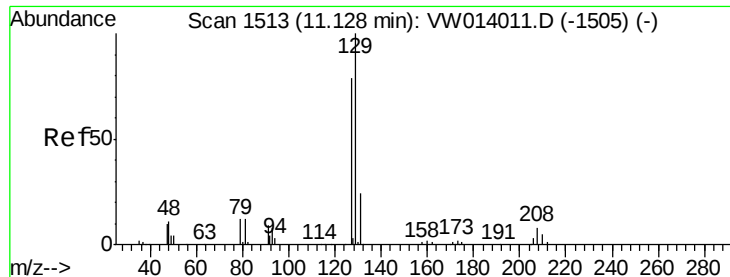
164 100

129 99.3 60.6 112.6

131 89.4 59.1 109.7

166 128.7 90.8 168.6





#50

Dibromochloromethane

Concen: 0.538 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW014017.D

Acq: 14 Nov 2019 13:41

Instrument :

MSVOA\_W

ClientSampled :

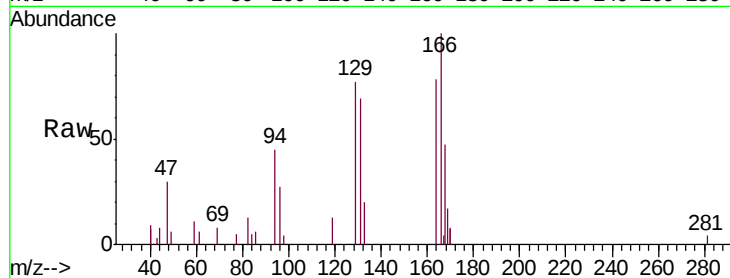
BFLX0

Tgt Ion: 129 Resp: 2824

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.86

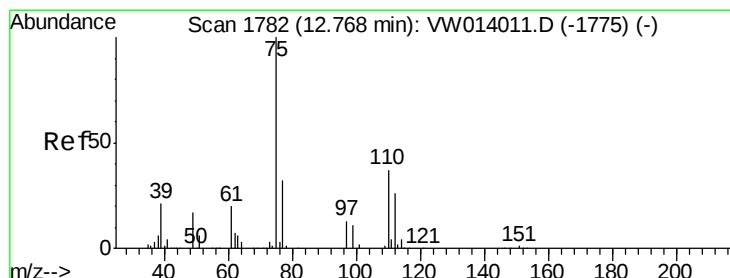
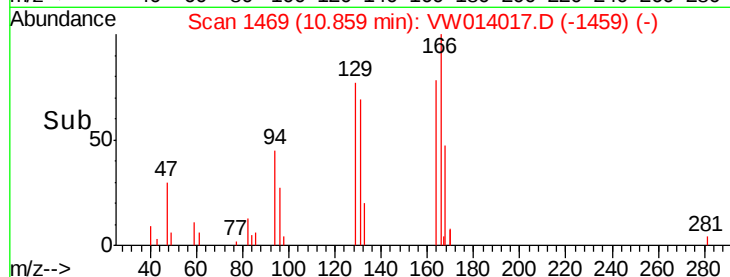
1500

1000

500

0

Time--> 10.80 10.85 10.90



#59

1,2,3-Trichloropropane

Concen: 4.199 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014017.D

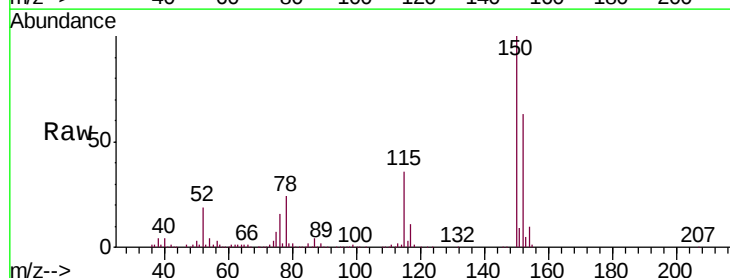
Acq: 14 Nov 2019 13:41

Tgt Ion: 75 Resp: 16479

Ion Ratio Lower Upper

75 100

77 37.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

13.55

10000

8000

6000

4000

2000

0

Time--> 13.50 13.55 13.60

