

Data File : VW014412.D  
Acq On : 18 Dec 2019 00:27  
Operator : SY/VA  
Sample : K6279-07  
Misc : 4.05G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFEX9

Quant Time: Dec 18 03:35:22 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 18 03:31:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 834020   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 682247   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 206676   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 252346   | 19.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.92%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 231511   | 24.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.60%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 350537   | 15.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.84%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 119065   | 36.18    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.36%  |
| 24) Chloroform-d               | 7.65   | 84    | 507131   | 23.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 301777   | 27.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 108.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 1065521  | 26.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 106.60% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 357430   | 29.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.24% |
| 37) Toluene-d8                 | 10.32  | 98    | 844829   | 23.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.48%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 76526    | 14.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 59.32%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 84447    | 34.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.04%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 238624   | 23.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.20%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 195970   | 24.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.24%  |

#### Target Compounds

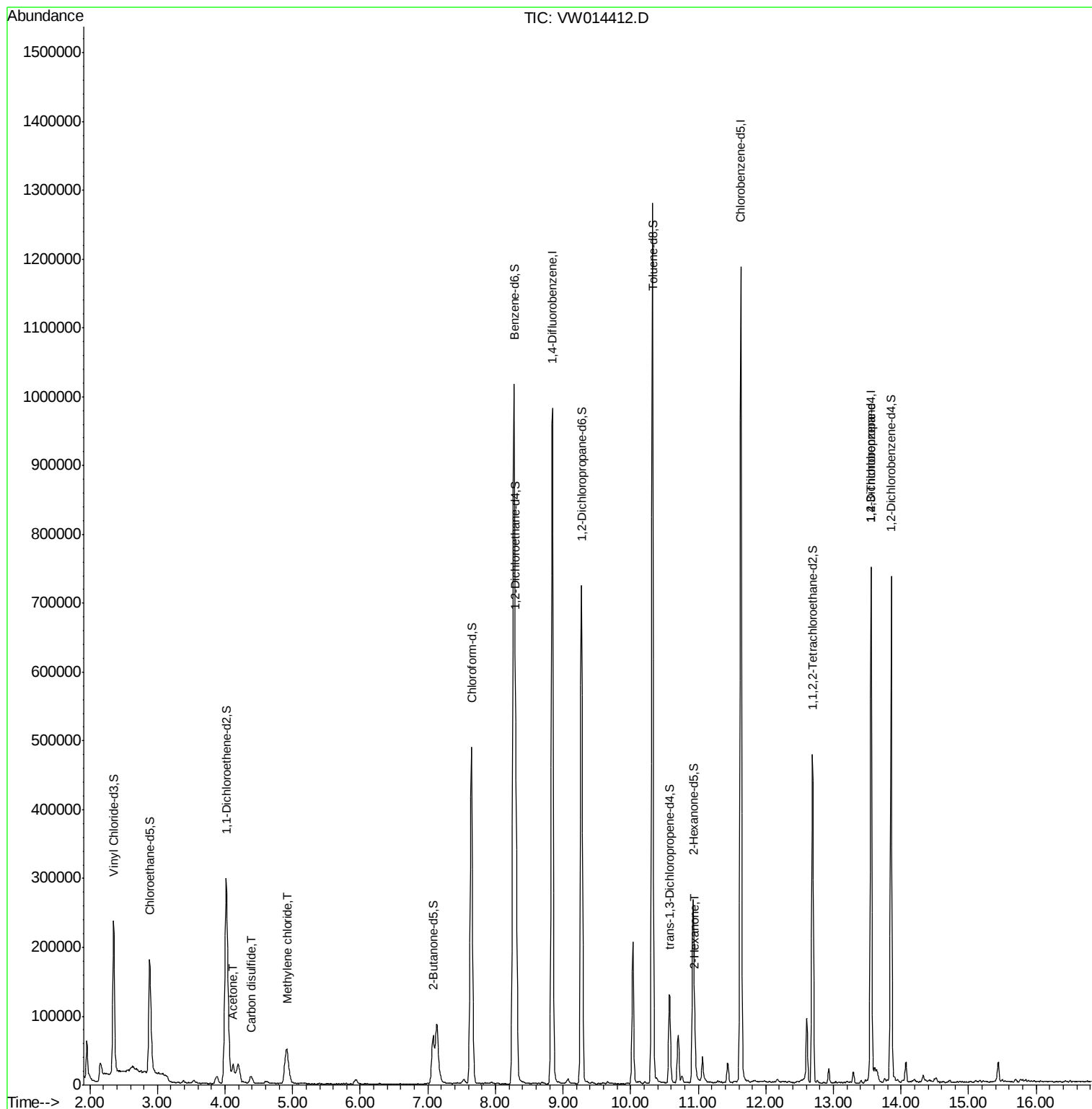
|                            |       |    |       |              | Qvalue |
|----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                | 4.12  | 43 | 43539 | 13.721 ug/L  | 94     |
| 14) Carbon disulfide       | 4.38  | 76 | 18913 | 0.554 ug/L   | 100    |
| 16) Methylene chloride     | 4.92  | 84 | 37672 | 2.946 ug/L   | 99     |
| 49) 2-Hexanone             | 10.95 | 43 | 40622 | 7.797 ug/L # | 38     |
| 59) 1,2,3-Trichloropropane | 13.55 | 75 | 24161 | 3.150 ug/L   | 93     |

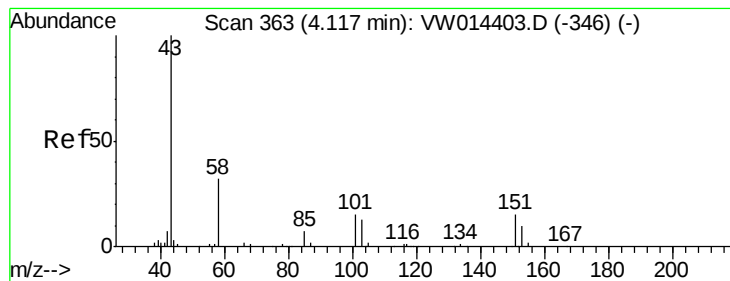
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.721 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014412.D

Acq: 18 Dec 2019 00:27

Instrument :

MSVOA\_W

ClientSampleId :

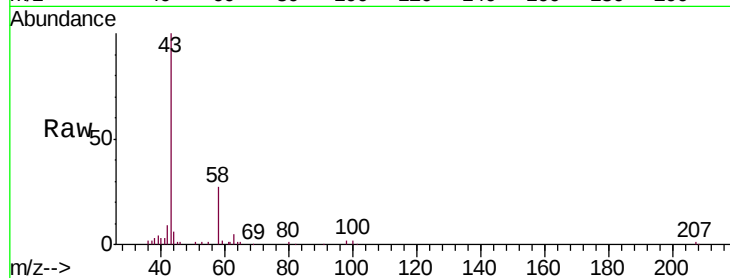
BFEX9

Tgt Ion: 43 Resp: 43539

Ion Ratio Lower Upper

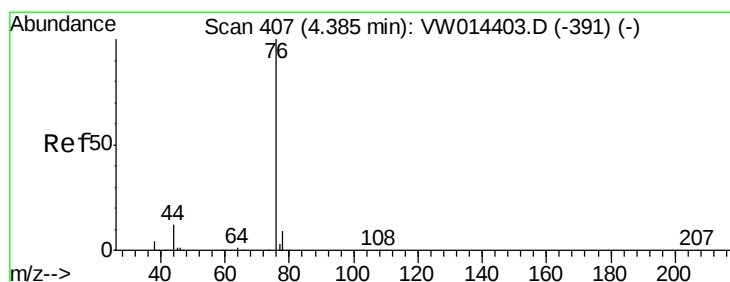
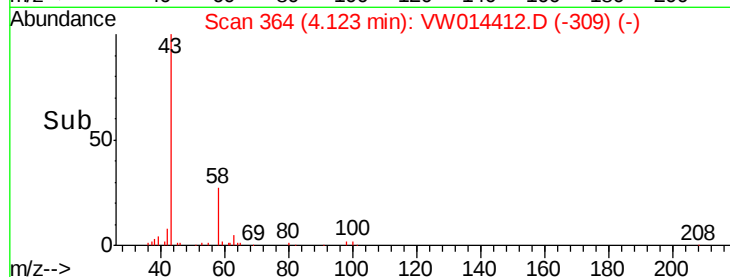
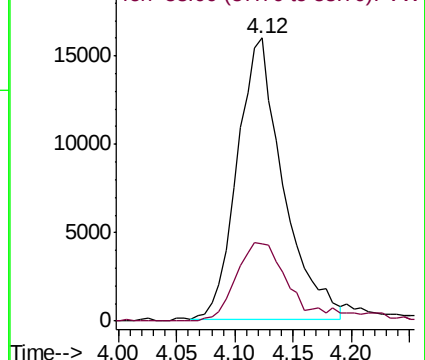
43 100

58 29.1 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.554 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014412.D

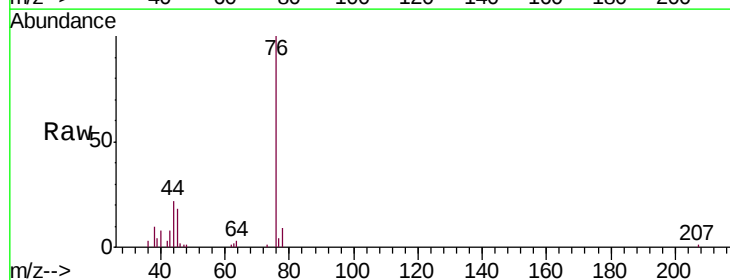
Acq: 18 Dec 2019 00:27

Tgt Ion: 76 Resp: 18913

Ion Ratio Lower Upper

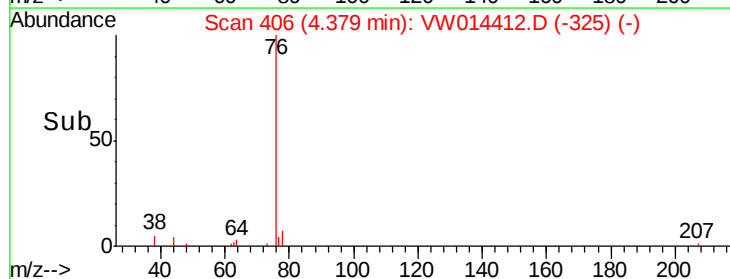
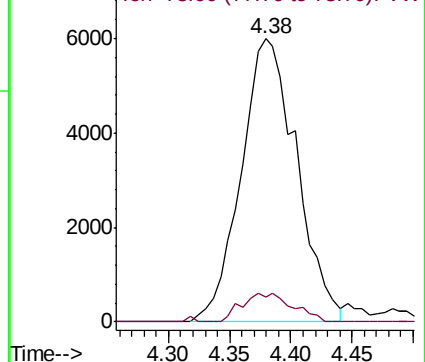
76 100

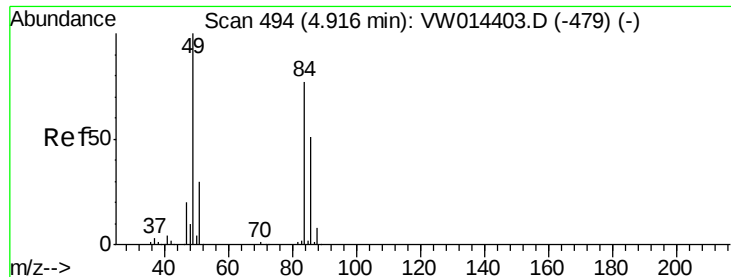
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

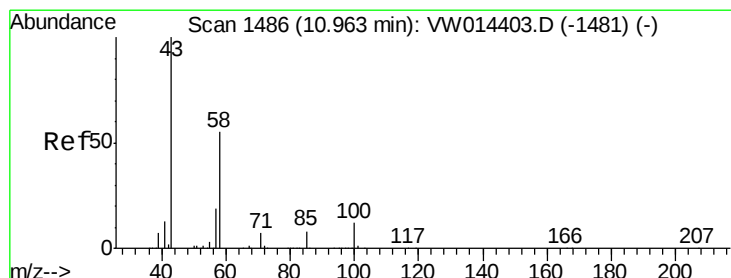
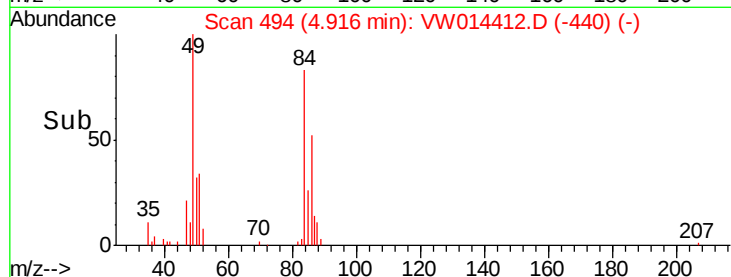
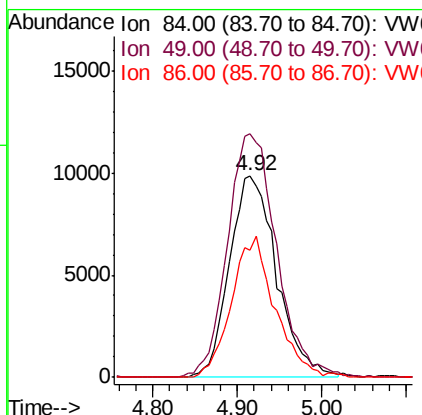
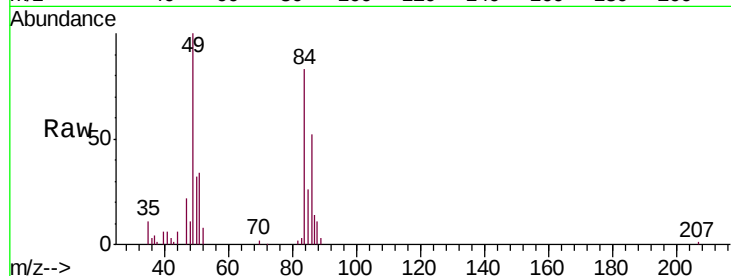




#16  
Methylene chloride  
Concen: 2.946 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW014412.D  
Acq: 18 Dec 2019 00:27

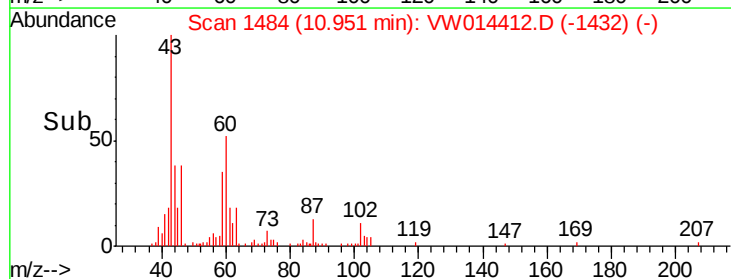
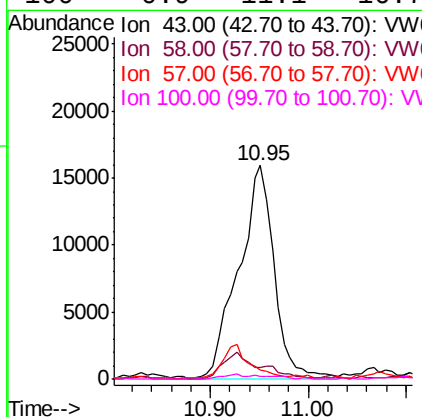
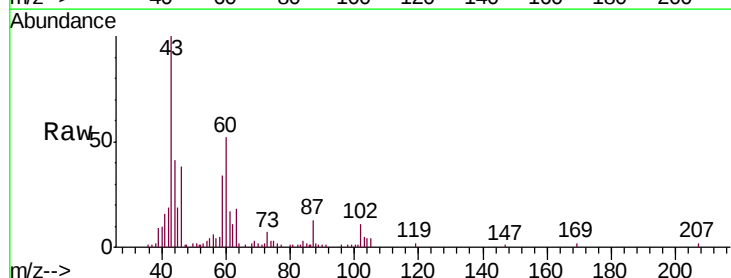
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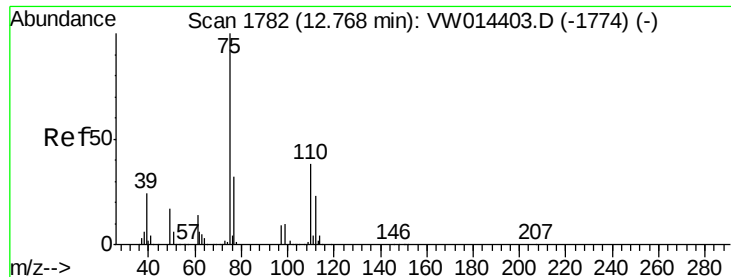
Tgt Ion: 84 Resp: 37672  
Ion Ratio Lower Upper  
84 100  
49 120.7 84.2 156.4  
86 63.0 43.7 81.1



#49  
2-Hexanone  
Concen: 7.797 ug/L  
RT: 10.95 min Scan# 1484  
Delta R.T. -0.01 min  
Lab File: VW014412.D  
Acq: 18 Dec 2019 00:27

Tgt Ion: 43 Resp: 40622  
Ion Ratio Lower Upper  
43 100  
58 0.0 44.4 66.6#  
57 0.0 16.5 24.7#  
100 0.9 11.1 16.7#





#59

1,2,3-Trichloropropane

Concen: 3.150 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014412.D

Acq: 18 Dec 2019 00:27

Instrument :

MSVOA\_W

ClientSampleId :

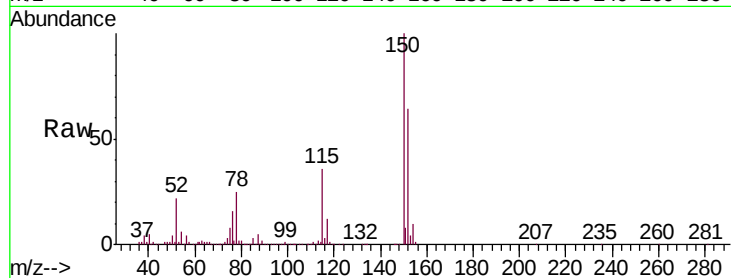
BFEX9

Tgt Ion: 75 Resp: 24161

Ion Ratio Lower Upper

75 100

77 36.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

