

Data File : VV013928.D  
Acq On : 05 Dec 2019 20:28  
Operator : SY/MD  
Sample : K6170-08  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0BT3

Quant Time: Dec 06 04:12:16 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 06 04:06:40 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 631994   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 595403   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 219417   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 207400   | 56.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 113.48% |
| 7) Chloroethane-d5             | 1.57    | 69    | 205254   | 53.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 107.60% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 228      | 0.03     | ug/L | 0.15    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 0.06%#  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 244472   | 95.02    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.02%  |
| 24) Chloroform-d               | 4.40    | 84    | 363217   | 47.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 242258   | 49.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.62%  |
| 32) Benzene-d6                 | 5.09    | 84    | 780848   | 50.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.22% |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 223258   | 48.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.42%  |
| 41) Toluene-d8                 | 7.35    | 98    | 638113   | 45.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.74%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 96644    | 42.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.78%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 133299   | 77.08    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 77.08%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 289460   | 43.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.34%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 234496   | 54.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.82% |

#### Target Compounds

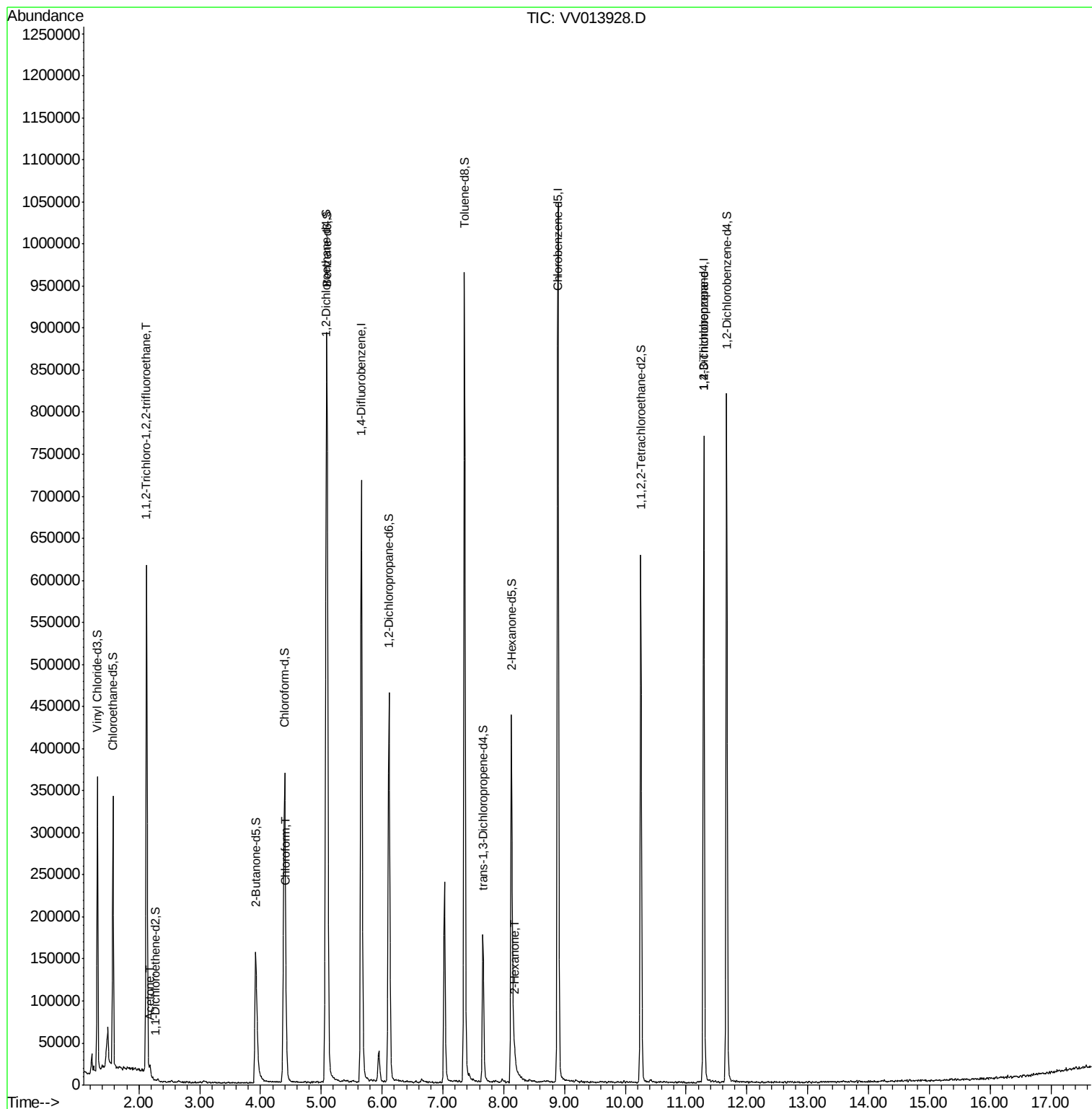
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 3363  | 0.708 ug/L # | 18     |
| 13) Acetone                    | 2.18  | 43  | 5168  | 1.371 ug/L   | 96     |
| 25) Chloroform                 | 4.42  | 83  | 12856 | 1.486 ug/L   | 99     |
| 48) 2-Hexanone                 | 8.18  | 43  | 10336 | 2.315 ug/L # | 82     |
| 59) 1,2,3-Trichloropropane     | 11.29 | 75  | 21080 | 3.630 ug/L   | 94     |

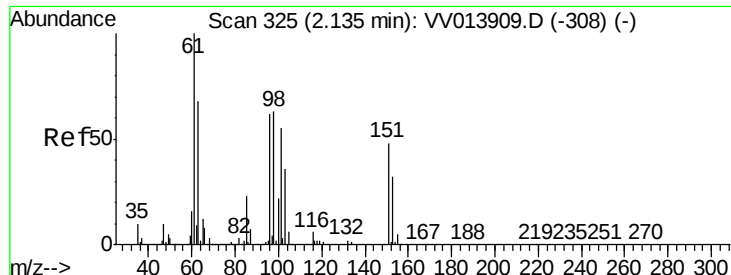
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.708 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013928.D

Acq: 05 Dec 2019 20:28

Instrument :

MSVOA\_V

ClientSampleId :

C0BT3

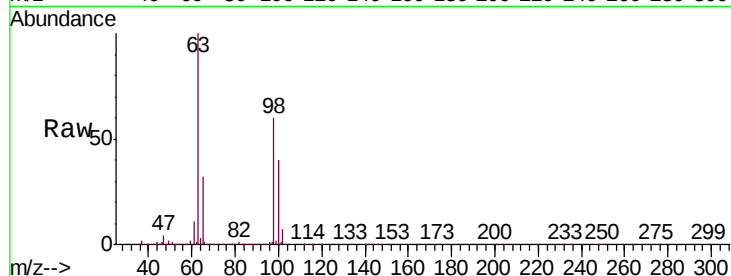
Tgt Ion:101 Resp: 3363

Ion Ratio Lower Upper

101 100

85 1.4 32.5 48.7#

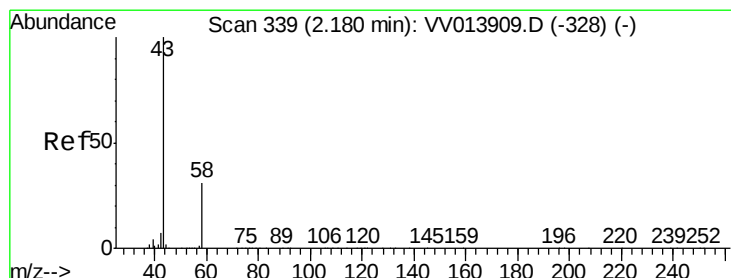
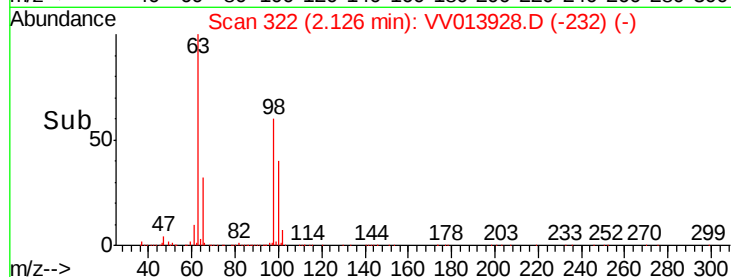
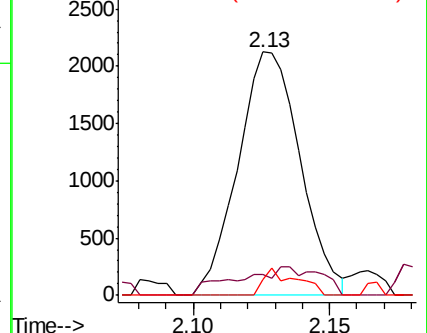
151 2.9 69.8 104.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.371 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013928.D

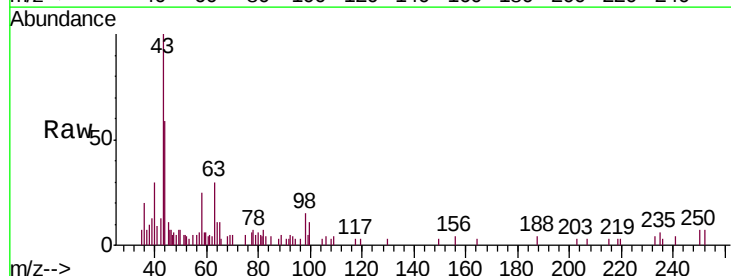
Acq: 05 Dec 2019 20:28

Tgt Ion: 43 Resp: 5168

Ion Ratio Lower Upper

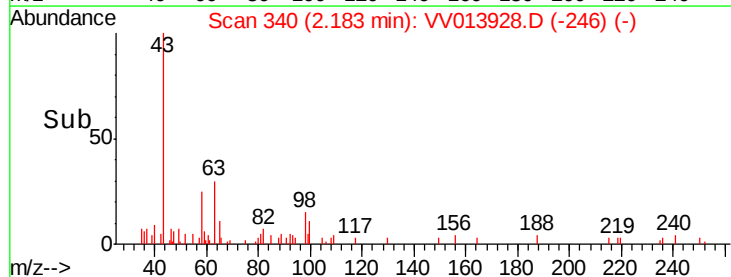
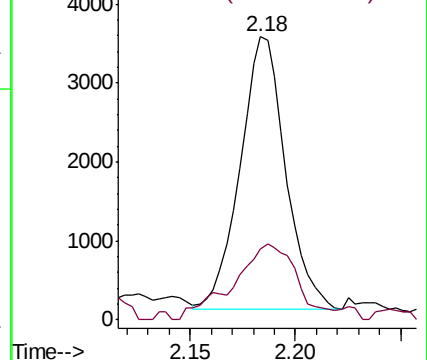
43 100

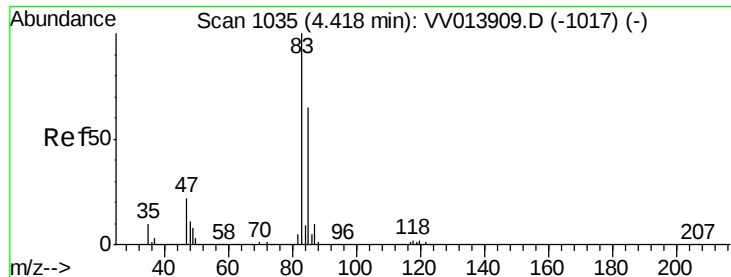
58 32.4 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#25

Chloroform

Concen: 1.486 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013928.D

Acq: 05 Dec 2019 20:28

Instrument :

MSVOA\_V

ClientSampled :

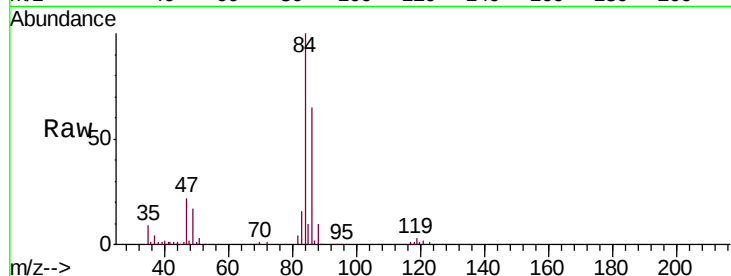
C0BT3

Tgt Ion: 83 Resp: 12856

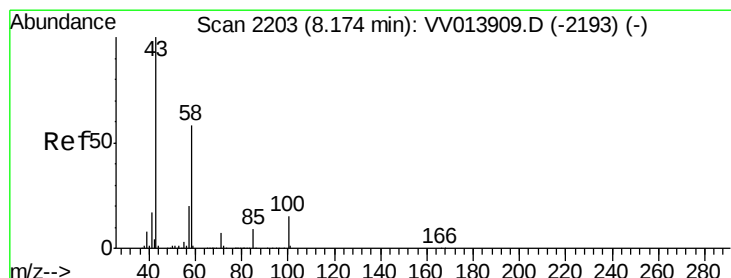
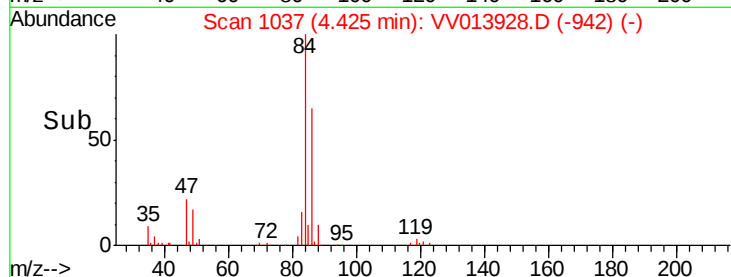
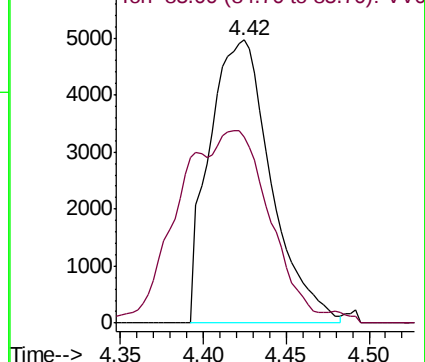
Ion Ratio Lower Upper

83 100

85 65.7 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV013928.D (-942) (-)



#48

2-Hexanone

Concen: 2.315 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VV013928.D

Acq: 05 Dec 2019 20:28

Tgt Ion: 43 Resp: 10336

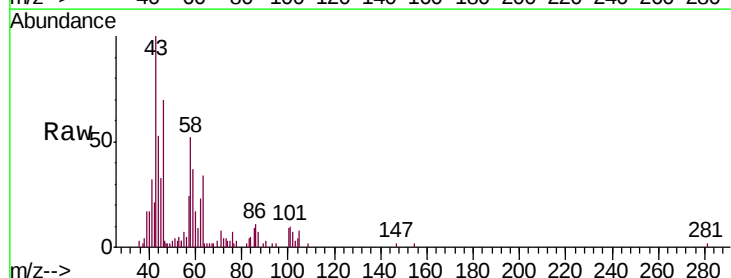
Ion Ratio Lower Upper

43 100

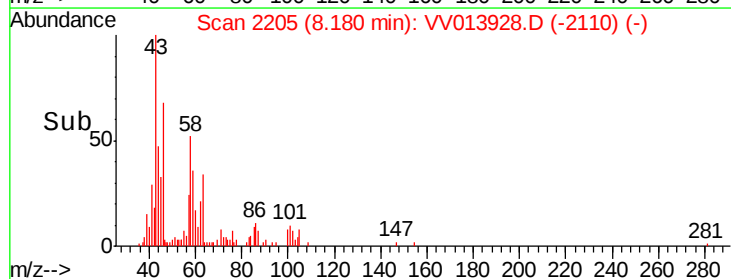
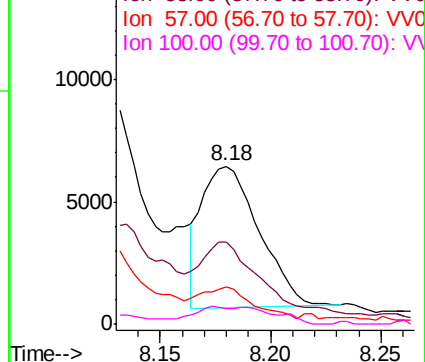
58 45.7 48.4 72.6#

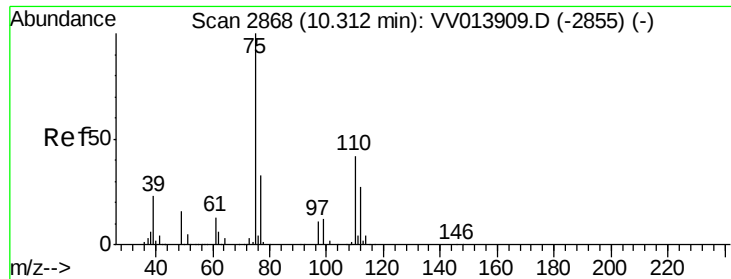
57 23.6 16.6 24.8

100 4.5 11.9 17.9#



Abundance Ion 43.00 (42.70 to 43.70): VV013928.D (-2110) (-)





#59

1,2,3-Trichloropropane

Concen: 3.630 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV013928.D

Acq: 05 Dec 2019 20:28

Instrument :

MSVOA\_V

ClientSampleId :

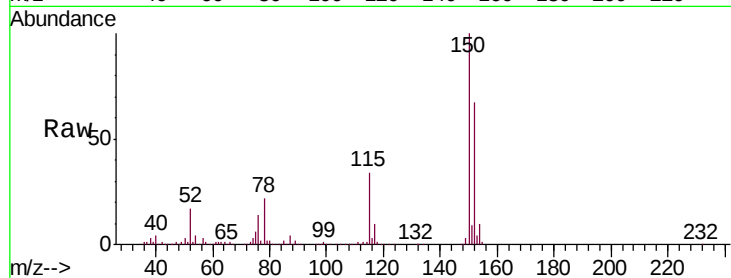
C0BT3

Tgt Ion: 75 Resp: 21080

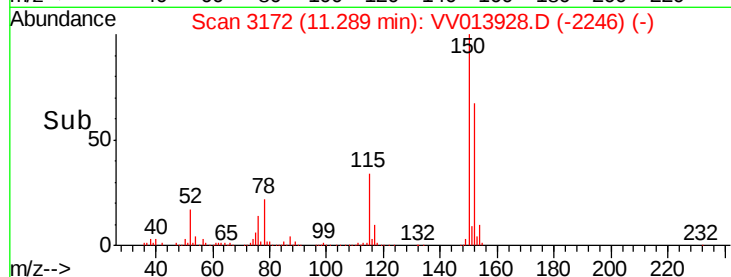
Ion Ratio Lower Upper

75 100

77 35.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV013928.D (-2246) (-)



Ion 77.00 (76.70 to 77.70): VV013928.D (-2246) (-)

