

Data File : VU035571.D  
Acq On : 30 Oct 2019 19:24  
Operator : JC/SP  
Sample : K5559-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0CP9

Quant Time: Oct 31 00:45:11 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 31 00:14:38 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 666822   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 648137   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 210291   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62    | 65    | 232521   | 43.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.34%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 194585   | 45.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.48%  |
| 11) 1,1-Dichloroethene-d2      | 2.60    | 63    | 285220   | 34.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.10%  |
| 21) 2-Butanone-d5              | 4.70    | 46    | 313080   | 99.52    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 99.52%  |
| 24) Chloroform-d               | 5.11    | 84    | 394141   | 47.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 247834   | 48.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.28%  |
| 32) Benzene-d6                 | 5.77    | 84    | 829872   | 49.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.24%  |
| 36) 1,2-Dichloropropane-d6     | 6.74    | 67    | 271315   | 49.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.04%  |
| 41) Toluene-d8                 | 7.93    | 98    | 749181   | 47.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.02%  |
| 43) trans-1,3-Dichloropropene- | 8.22    | 79    | 116068   | 45.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.98%  |
| 47) 2-Hexanone-d5              | 8.68    | 63    | 202621   | 96.49    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.49%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 359313   | 46.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.24%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 218400   | 51.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.98% |

#### Target Compounds

|                                |       |     |       |            | Qvalue |
|--------------------------------|-------|-----|-------|------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.60  | 101 | 3030  | 0.731 ug/L | # 23   |
| 13) Acetone                    | 2.67  | 43  | 9828  | 3.551 ug/L | 97     |
| 25) Chloroform                 | 5.14  | 83  | 29641 | 3.527 ug/L | 93     |
| 51) Chlorobenzene              | 9.48  | 112 | 16582 | 1.301 ug/L | 96     |
| 59) 1,2,3-Trichloropropane     | 11.84 | 75  | 23936 | 3.763 ug/L | 97     |
| 65) 1,2-Dichlorobenzene        | 12.24 | 146 | 44797 | 6.633 ug/L | 97     |

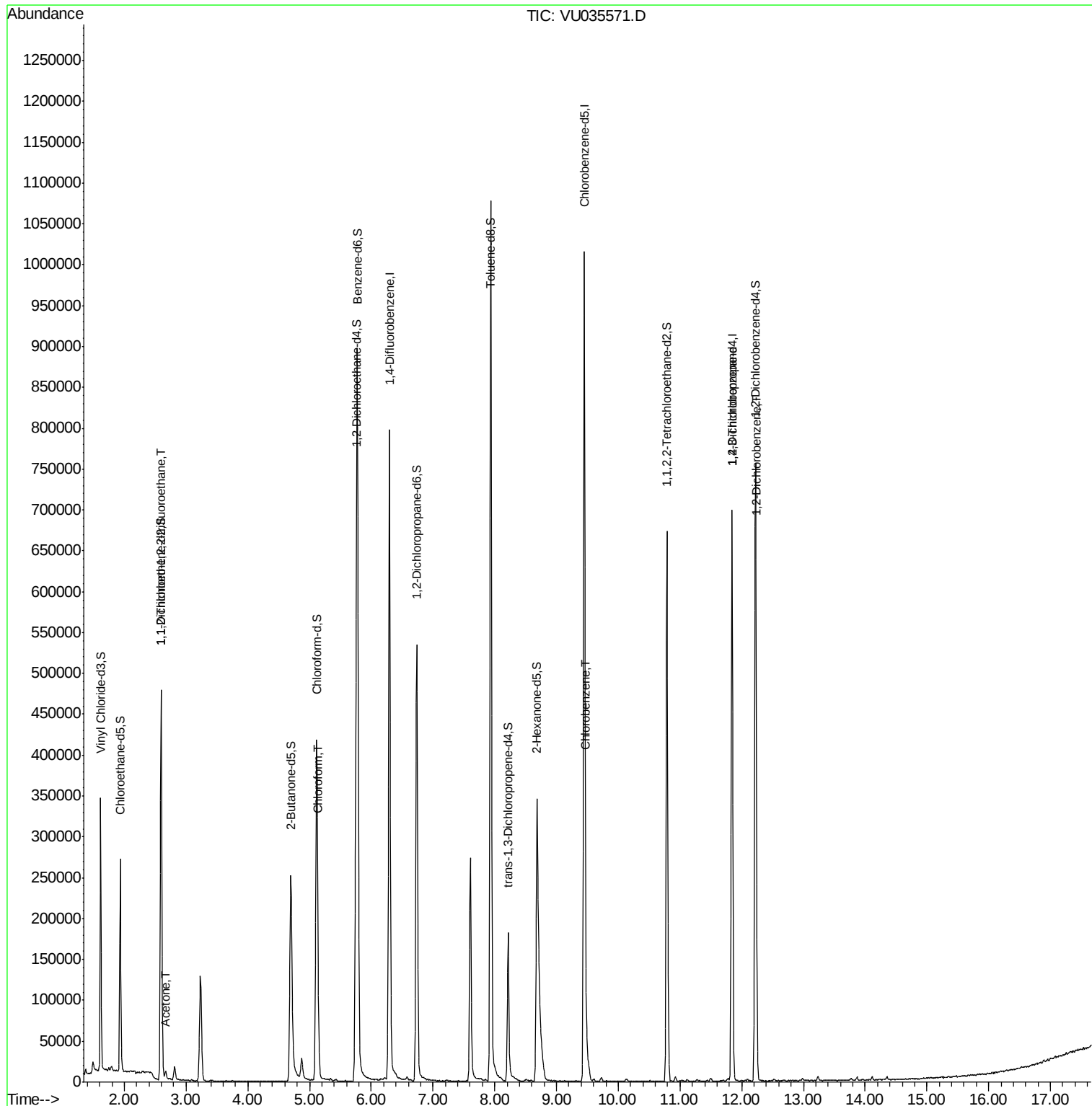
(#) = qualifier out of range (m) = manual integration (+) = signals summed

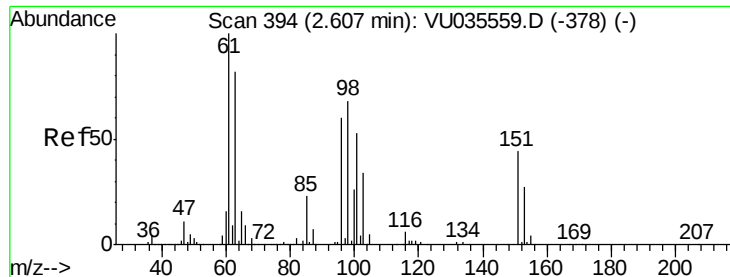
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Quant Title : VOC Analysis  
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Response via : Initial Calibration





#10

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

Concen: 0.731 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035571.D

Acq: 30 Oct 2019 19:24

Instrument :

MSVOA\_U

ClientSampled :

C0CP9

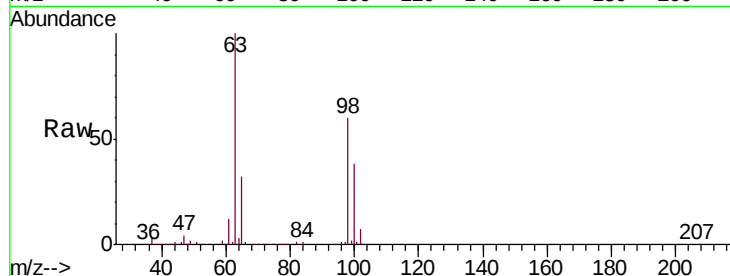
Tgt Ion: 101 Resp: 3030

Ion Ratio Lower Upper

101 100

85 4.5 34.0 51.0#

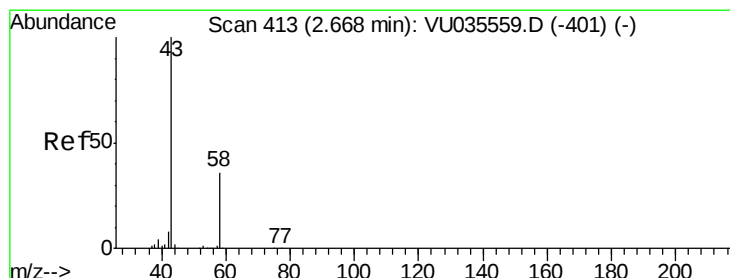
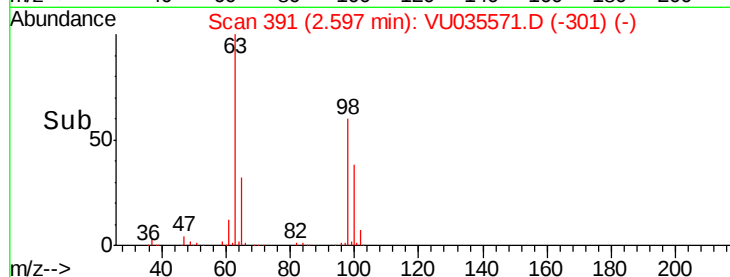
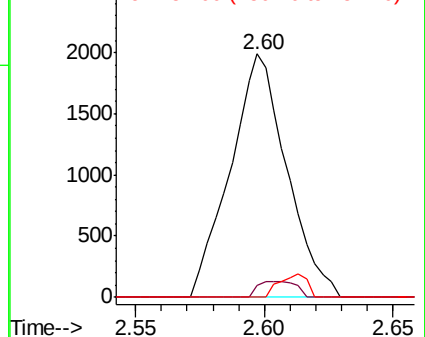
151 4.7 64.2 96.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 3.551 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035571.D

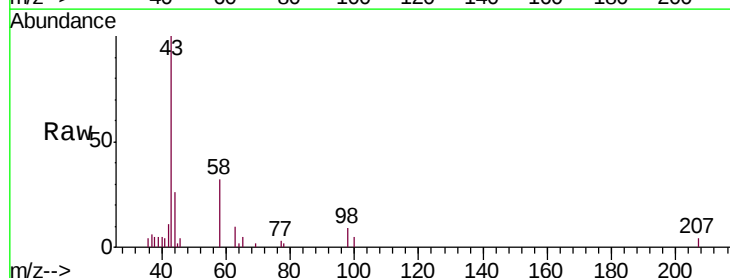
Acq: 30 Oct 2019 19:24

Tgt Ion: 43 Resp: 9828

Ion Ratio Lower Upper

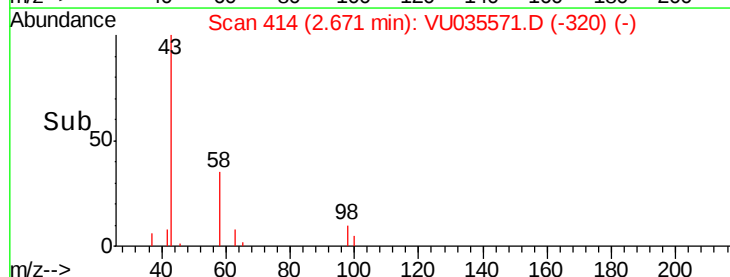
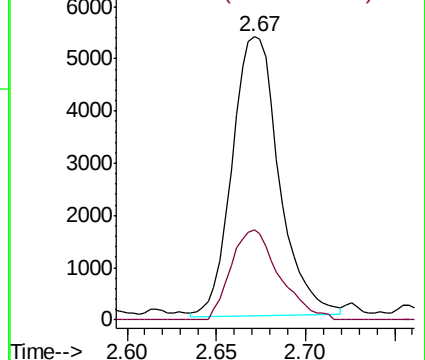
43 100

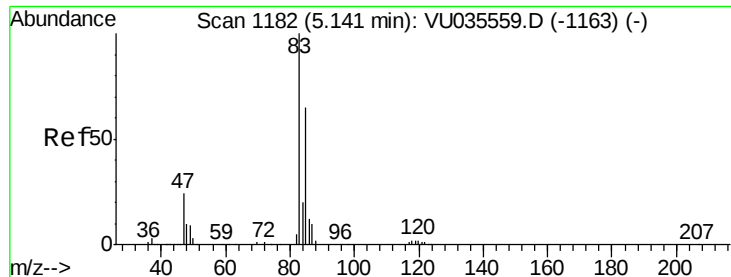
58 33.2 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#25

Chloroform

Concen: 3.527 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU035571.D

Acq: 30 Oct 2019 19:24

Instrument :

MSVOA\_U

ClientSampled :

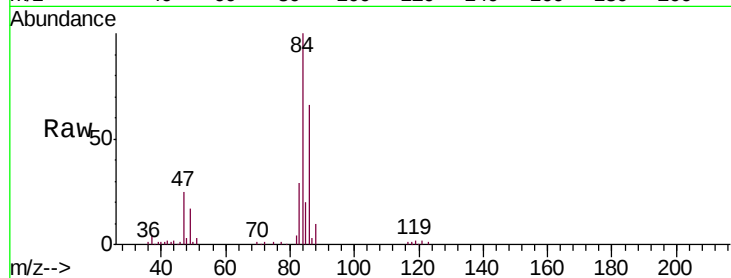
C0CP9

Tgt Ion: 83 Resp: 29641

Ion Ratio Lower Upper

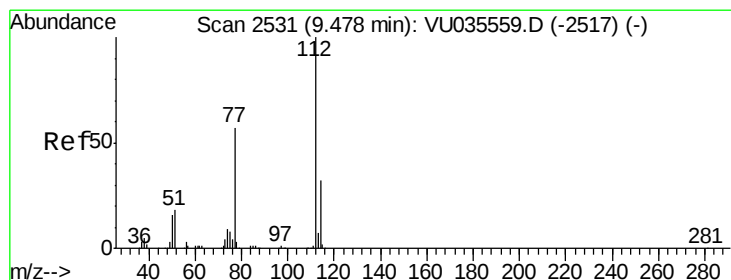
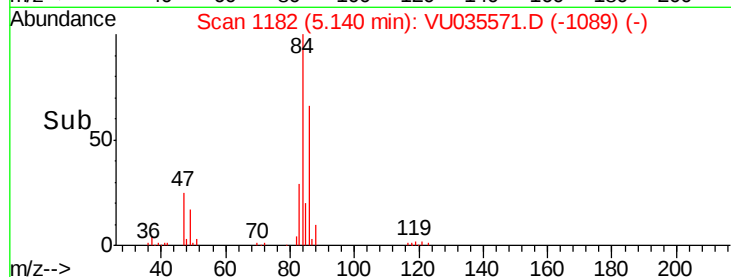
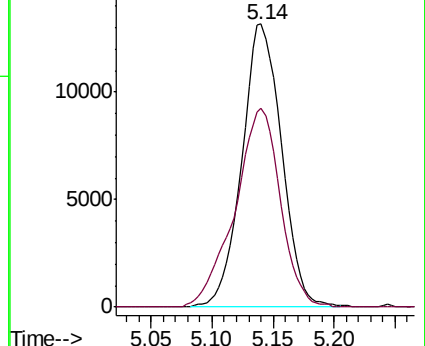
83 100

85 70.2 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU035571.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU035571.D (-1089) (-)



#51

Chlorobenzene

Concen: 1.301 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035571.D

Acq: 30 Oct 2019 19:24

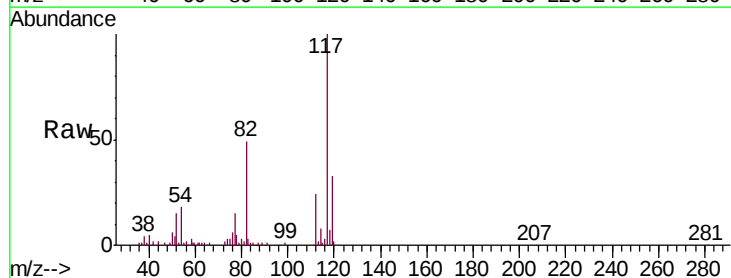
Tgt Ion: 112 Resp: 16582

Ion Ratio Lower Upper

112 100

114 31.3 22.7 42.3

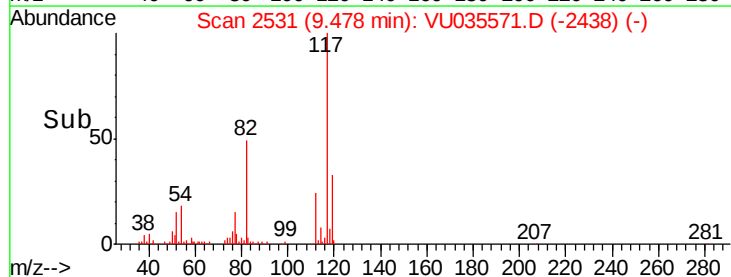
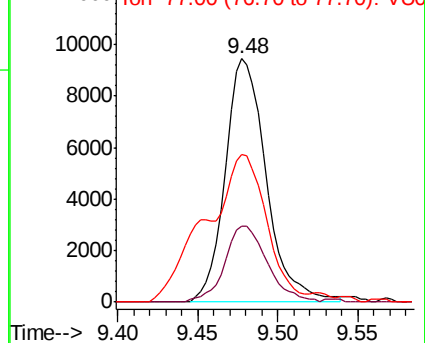
77 60.9 45.9 68.9

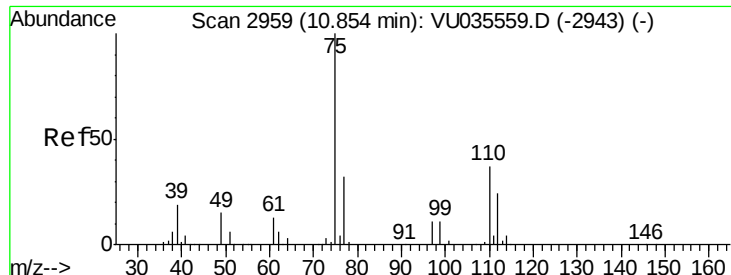


Abundance Ion 112.00 (111.70 to 112.70): VU035571.D (-2438) (-)

Ion 114.00 (113.70 to 114.70): VU035571.D (-2438) (-)

Ion 77.00 (76.70 to 77.70): VU035571.D (-2438) (-)

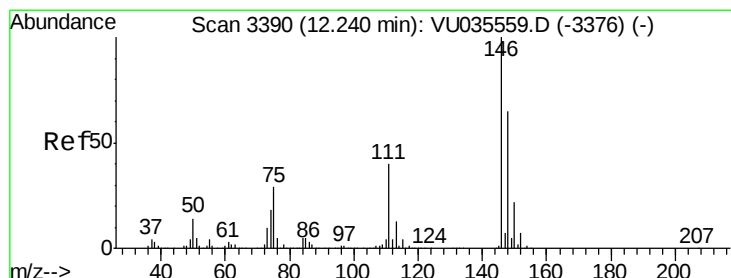
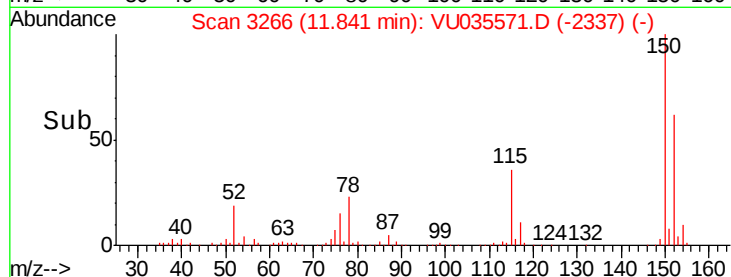
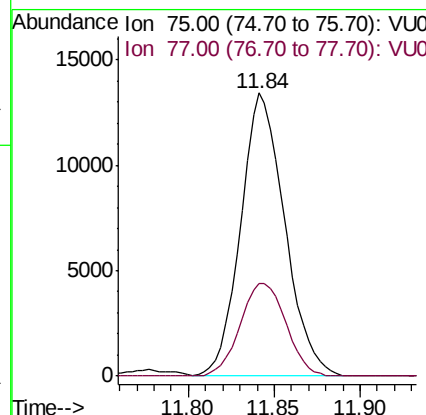
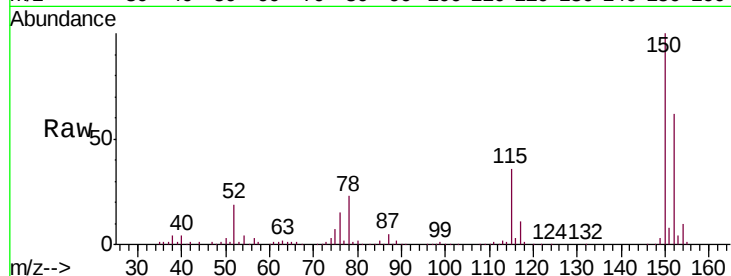




#59  
 1,2,3-Trichloropropane  
 Concen: 3.763 ug/L  
 RT: 11.84 min Scan# 3266  
 Delta R.T. 0.99 min  
 Lab File: VU035571.D  
 Acq: 30 Oct 2019 19:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CP9

Tgt Ion: 75 Resp: 23936  
 Ion Ratio Lower Upper  
 75 100  
 77 33.9 25.7 38.5



#65  
 1,2-Dichlorobenzene  
 Concen: 6.633 ug/L  
 RT: 12.24 min Scan# 3390  
 Delta R.T. -0.00 min  
 Lab File: VU035571.D  
 Acq: 30 Oct 2019 19:24

Tgt Ion: 146 Resp: 44797  
 Ion Ratio Lower Upper  
 146 100  
 111 43.7 32.4 48.6  
 148 65.5 51.8 77.6

