

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV010320\  
 Data File : VV014258.D  
 Acq On : 03 Jan 2020 16:16  
 Operator : SY/MD  
 Sample : L1022-04MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H0BR3MS

Quant Time: Jan 03 23:24:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jan 03 22:46:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 817161   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 749199   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 343037   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 301312   | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 105.40% |
| 7) Chloroethane-d5             | 1.59   | 69    | 223492   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.20% |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 453449   | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 107.60% |
| 20) 2-Butanone-d5              | 3.92   | 46    | 674955   | 49.14    | ug/L | -0.04   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.28%  |
| 24) Chloroform-d               | 4.40   | 84    | 406915   | 3.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 73.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 272142   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.40%  |
| 32) Benzene-d6                 | 5.10   | 84    | 1124032  | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.60% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 355587   | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.60% |
| 41) Toluene-d8                 | 7.36   | 98    | 1016410  | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 150319   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.00%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 623580   | 48.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.06%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 241700   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 327228   | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.60% |

## Target Compounds

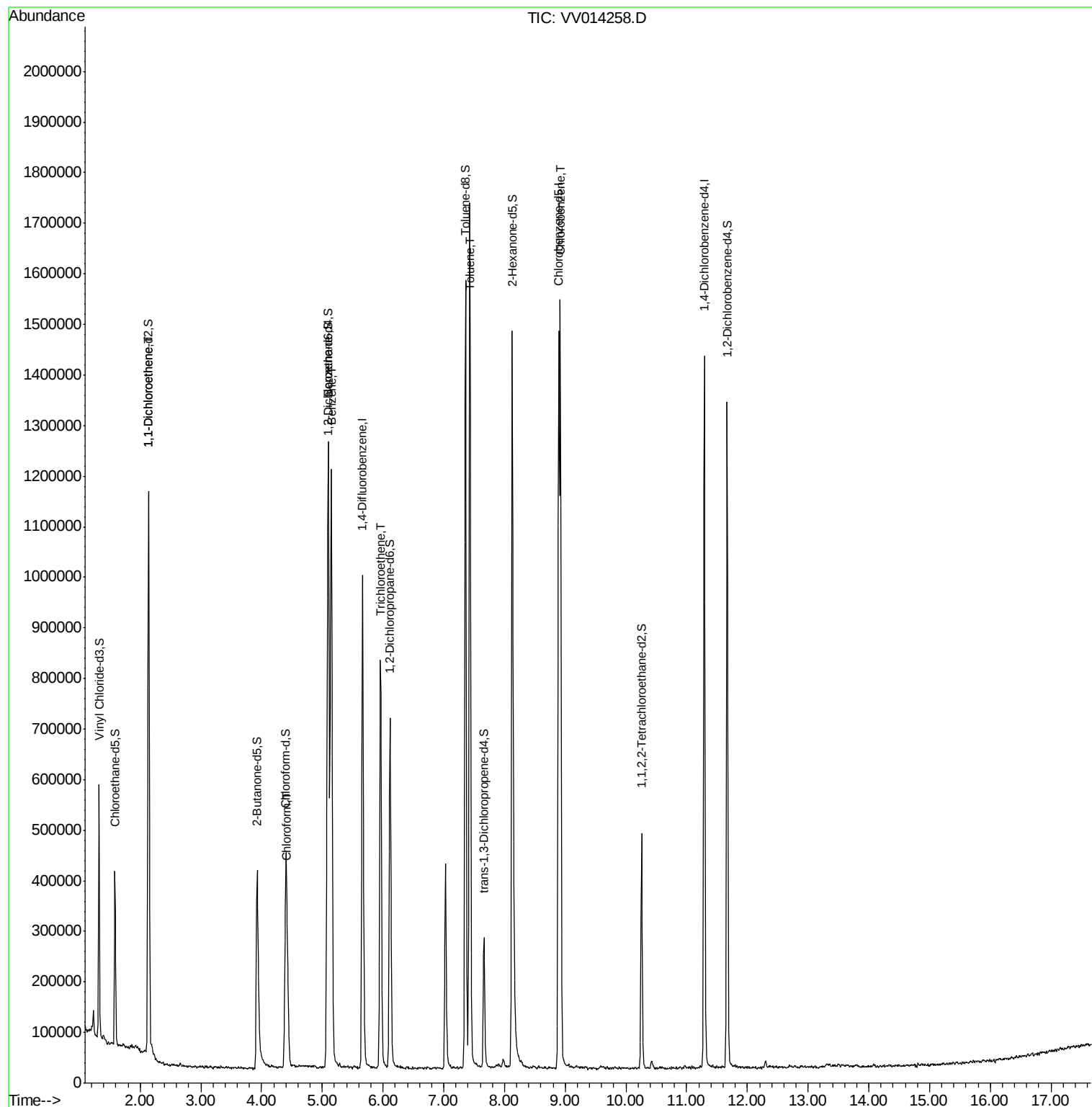
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 12) 1,1-Dichloroethene | 2.14 | 96   | 198511   | 5.437 | ug/L  | 92     |
| 25) Chloroform         | 4.43 | 83   | 131823   | 1.280 | ug/L  | 99     |
| 33) Benzene            | 5.15 | 78   | 1171066  | 5.075 | ug/L  | 100    |
| 34) Trichloroethene    | 5.96 | 95   | 299883   | 5.058 | ug/L  | 98     |
| 42) Toluene            | 7.43 | 91   | 1239800  | 5.090 | ug/L  | 99     |
| 51) Chlorobenzene      | 8.92 | 112  | 751287   | 5.016 | ug/L  | 98     |

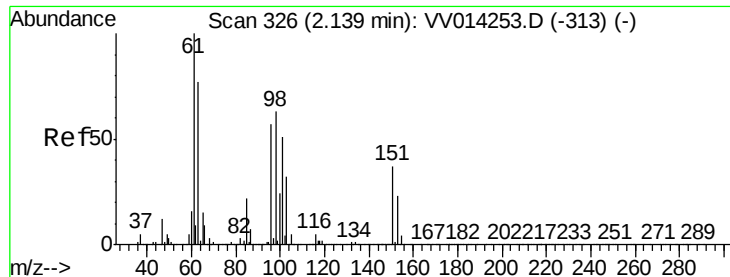
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jan 03 22:46:34 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 5.437 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV014258.D

Acq: 03 Jan 2020 16:16

Instrument :

MSVOA\_V

ClientSampleId :

H0BR3MS

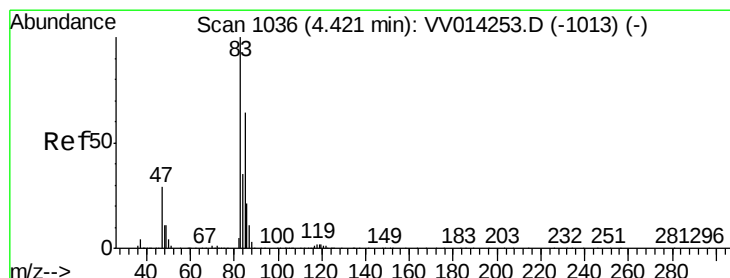
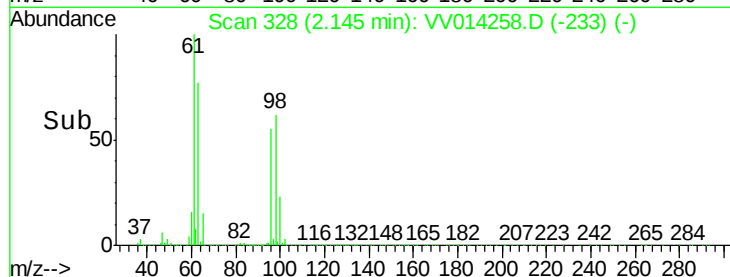
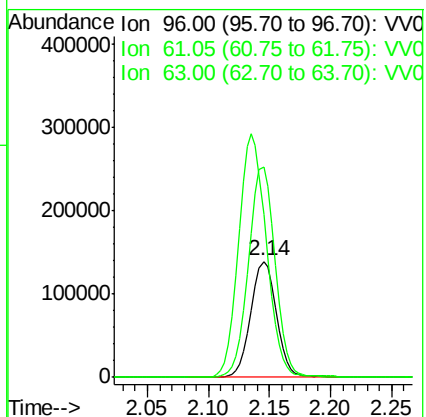
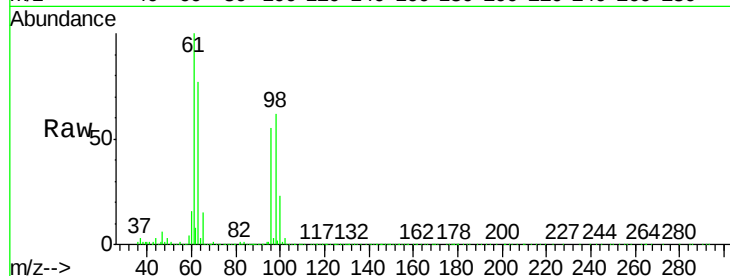
Tgt Ion: 96 Resp: 198511

Ion Ratio Lower Upper

96 100

61 181.9 121.5 225.7

63 140.2 90.3 167.7



#25

Chloroform

Concen: 1.280 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV014258.D

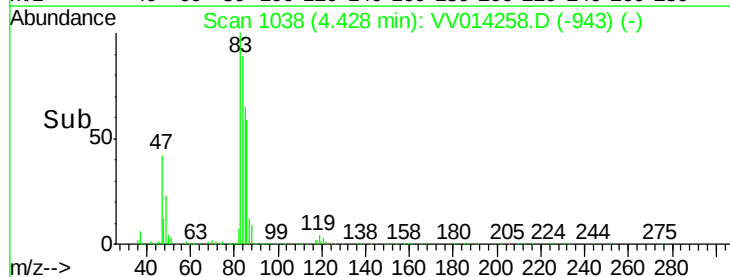
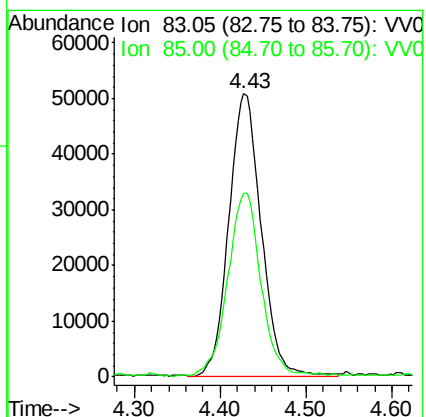
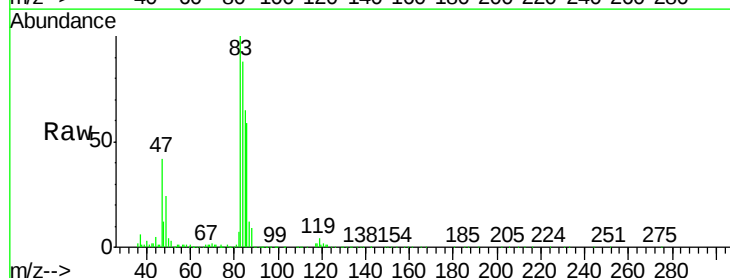
Acq: 03 Jan 2020 16:16

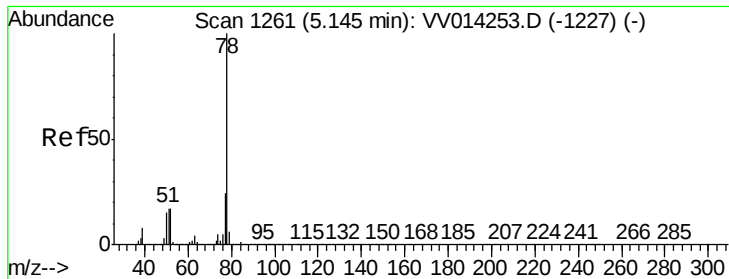
Tgt Ion: 83 Resp: 131823

Ion Ratio Lower Upper

83 100

85 64.9 46.2 85.8





#33

Benzene

Concen: 5.075 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV014258.D

Acq: 03 Jan 2020 16:16

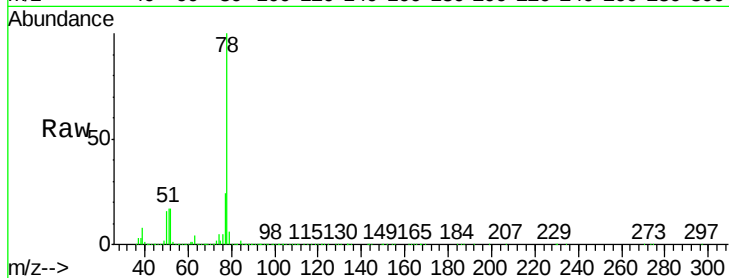
Instrument :

MSVOA\_V

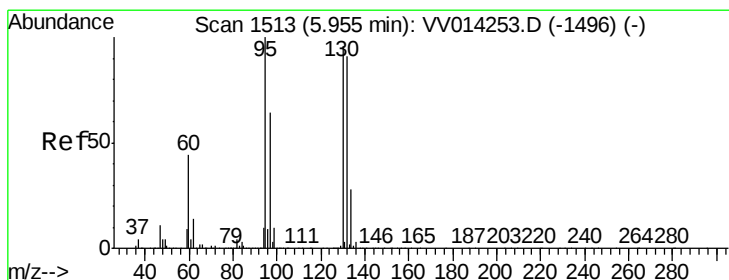
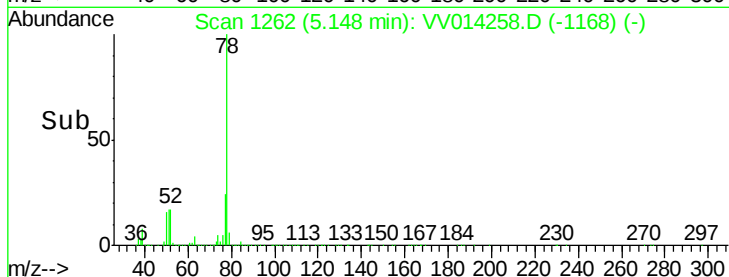
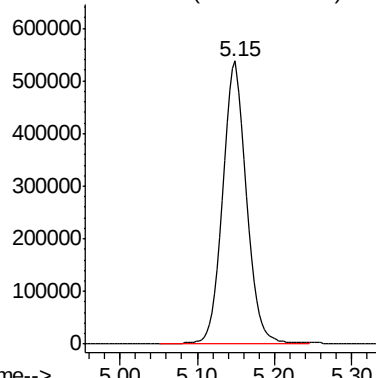
ClientSampleId :

H0BR3MS

Tgt Ion: 78 Resp: 1171066



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 5.058 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014258.D

Acq: 03 Jan 2020 16:16

Tgt Ion: 95 Resp: 299883

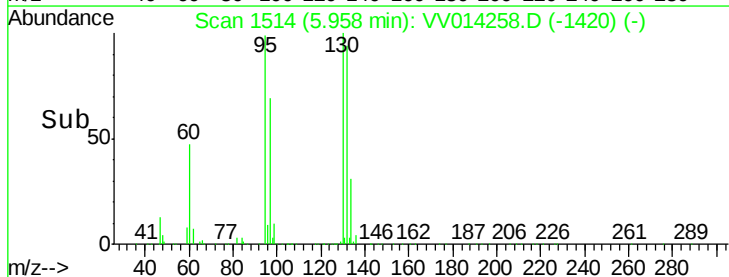
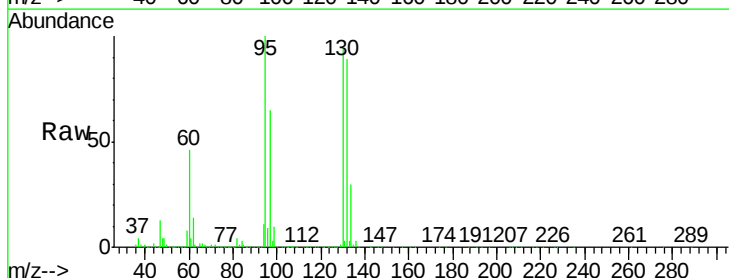
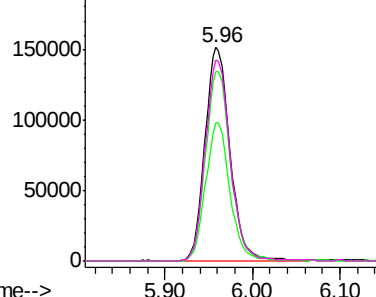
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.9  | 43.8  | 81.3  |
| 132 | 88.7  | 63.4  | 117.8 |
| 130 | 94.3  | 65.7  | 122.1 |

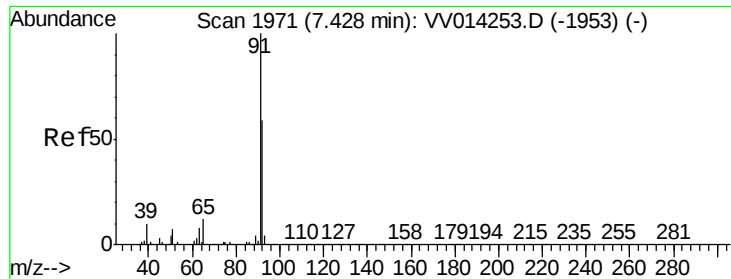
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 5.090 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014258.D

Acq: 03 Jan 2020 16:16

Instrument :

MSVOA\_V

ClientSampleId :

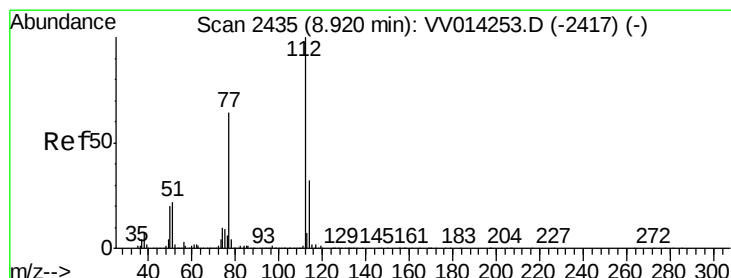
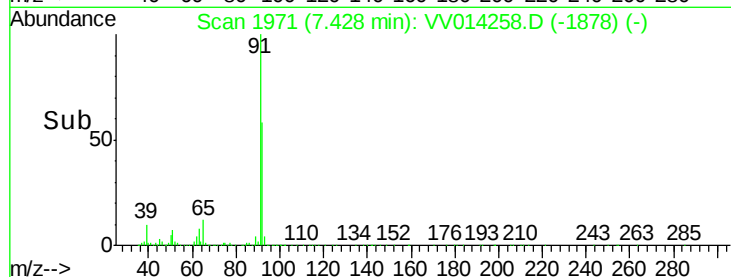
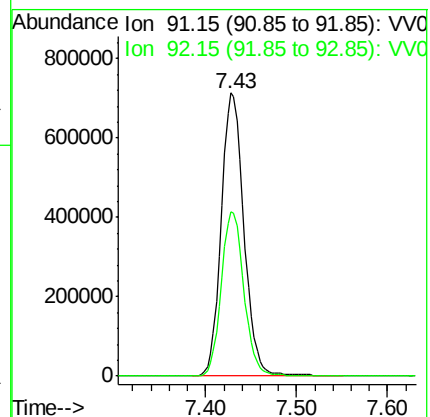
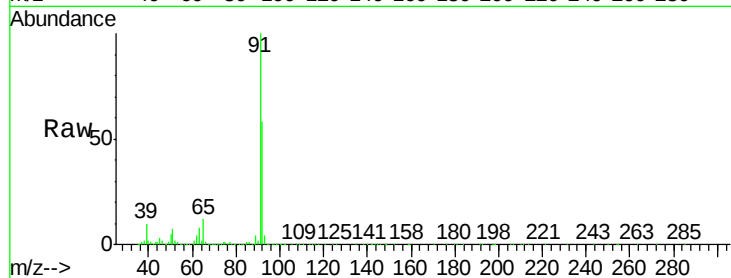
H0BR3MS

Tgt Ion: 91 Resp: 1239800

Ion Ratio Lower Upper

91 100

92 58.2 41.2 76.6



#51

Chlorobenzene

Concen: 5.016 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV014258.D

Acq: 03 Jan 2020 16:16

Tgt Ion: 112 Resp: 751287

Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.7

77 63.2 49.3 73.9

