

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121820\  
 Data File : VU041687.D  
 Acq On : 18 Dec 2020 18:35  
 Operator : SY/MD  
 Sample : L5142-09MS  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETZB7MS

Quant Time: Dec 19 09:00:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Dec 19 04:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 109057   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 104621   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 46825    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 33893    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 31424    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 65332    | 4.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.20%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 141286   | 57.69    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 115.38% |
| 24) Chloroform-d               | 5.08   | 84    | 72679    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 43256    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                 | 5.74   | 84    | 147577   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 49108    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.60% |
| 41) Toluene-d8                 | 7.90   | 98    | 120794   | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 19588    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 125246   | 54.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.50% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 46254    | 5.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 45805    | 5.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.00% |

## Target Compounds

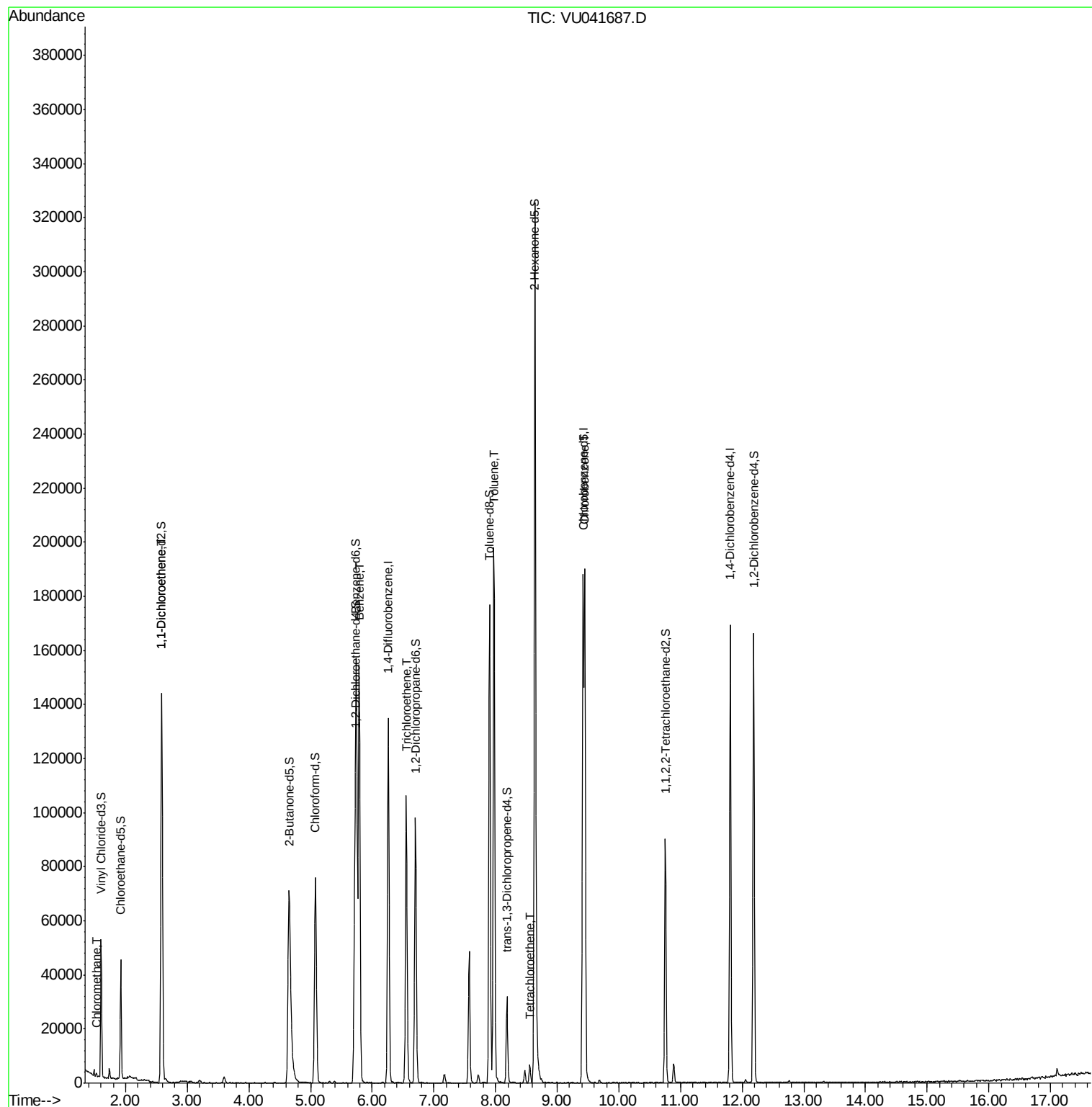
|                        |      |     |        |            | Ovalue |
|------------------------|------|-----|--------|------------|--------|
| 3) Chloromethane       | 1.53 | 50  | 960    | 0.107 ug/L | 97     |
| 12) 1,1-Dichloroethene | 2.59 | 96  | 31617  | 4.274 ug/L | 87     |
| 33) Benzene            | 5.79 | 78  | 151711 | 4.534 ug/L | 100    |
| 34) Trichloroethene    | 6.55 | 95  | 37379  | 4.446 ug/L | 97     |
| 42) Toluene            | 7.97 | 91  | 148062 | 4.286 ug/L | 99     |
| 47) Tetrachloroethene  | 8.56 | 164 | 1586   | 0.269 ug/L | 92     |
| 51) Chlorobenzene      | 9.45 | 112 | 102656 | 4.781 ug/L | 94     |

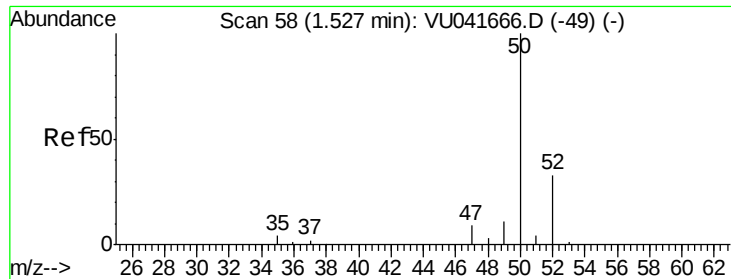
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Dec 19 04:12:21 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.107 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041687.D

Acq: 18 Dec 2020 18:35

Instrument :

MSVOA\_U

ClientSampleId :

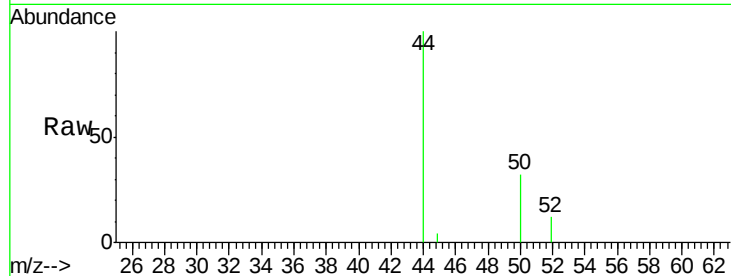
ETZB7MS

Tot Ion: 50 Resp: 960

Ion Ratio Lower Upper

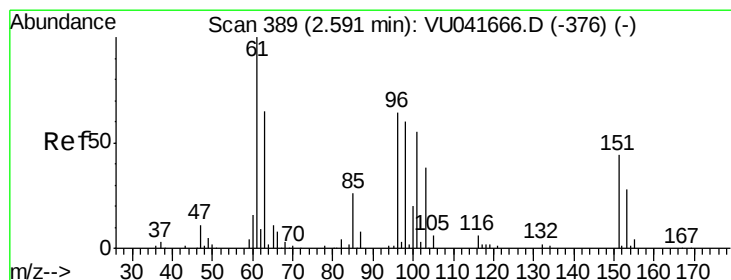
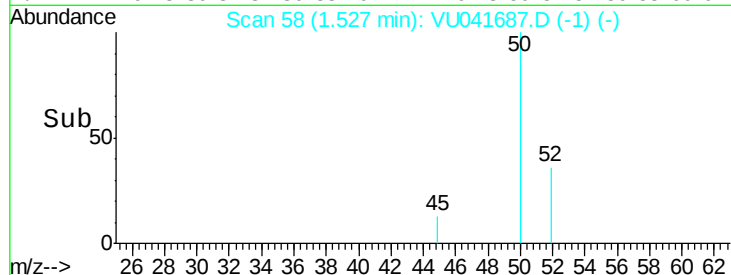
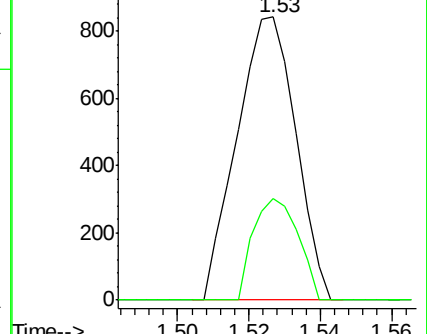
50 100

52 36.1 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 4.274 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041687.D

Acq: 18 Dec 2020 18:35

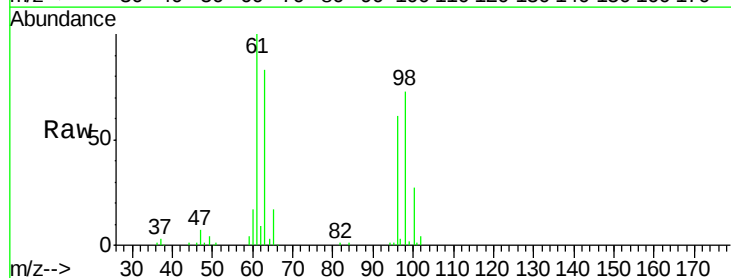
Tgt Ion: 96 Resp: 31617

Ion Ratio Lower Upper

96 100

61 163.8 123.8 230.0

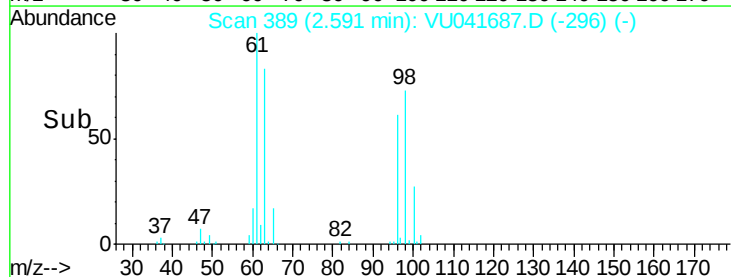
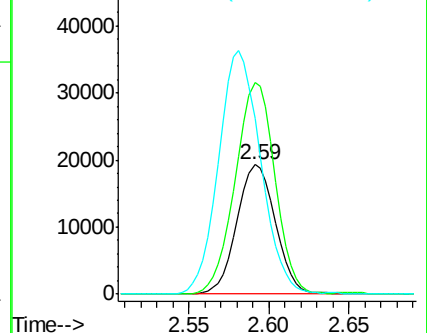
63 135.8 81.0 150.4

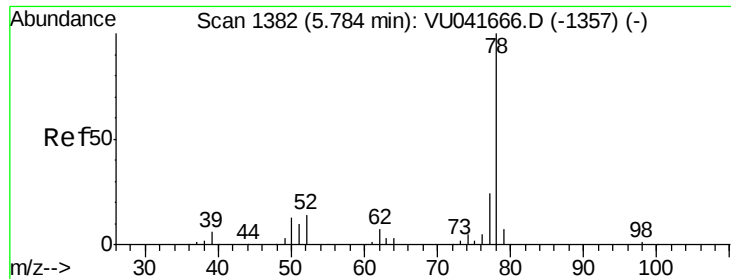


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

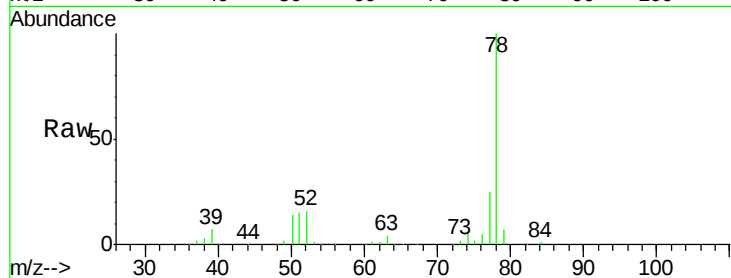




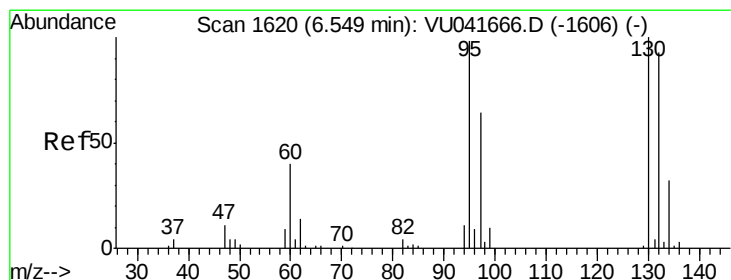
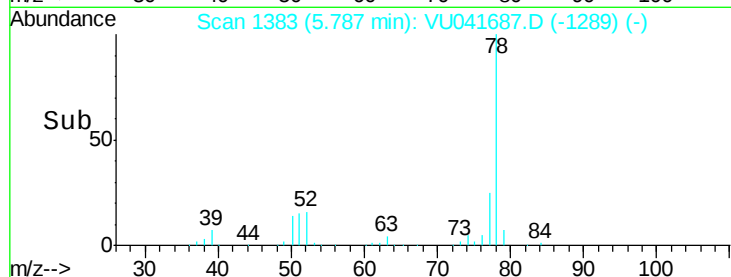
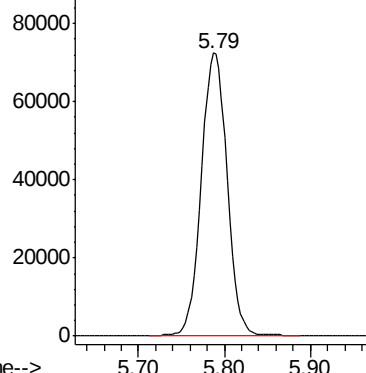
#33  
Benzene  
Concen: 4.534 ug/L  
RT: 5.79 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VU041687.D  
Acq: 18 Dec 2020 18:35

Instrument :  
MSVOA\_U  
ClientSampleId :  
ETZB7MS

Tgt Ion: 78 Resp: 151711



Abundance Ion 78.10 (77.80 to 78.80): VU0

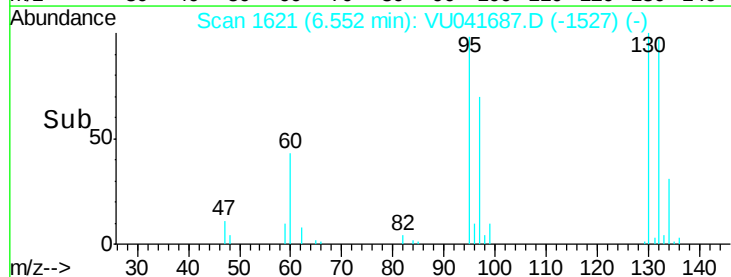
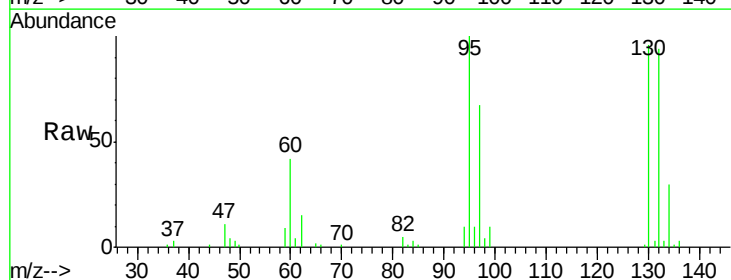
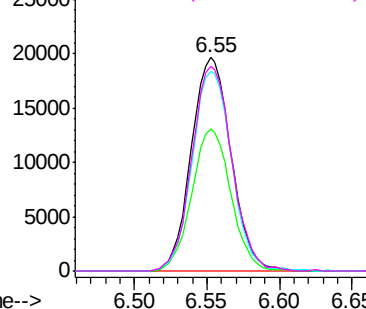


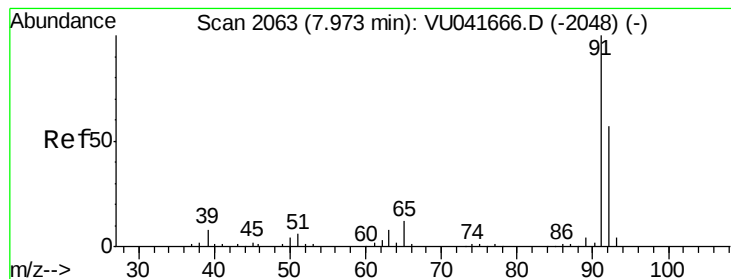
#34  
Trichloroethene  
Concen: 4.446 ug/L  
RT: 6.55 min Scan# 1621  
Delta R.T. 0.00 min  
Lab File: VU041687.D  
Acq: 18 Dec 2020 18:35

Tgt Ion: 95 Resp: 37379  
Ion Ratio Lower Upper  
95 100  
97 66.8 43.9 81.5  
132 93.5 63.1 117.3  
130 96.0 67.4 125.2

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0  
Ion 131.95 (131.65 to 132.65): V  
Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 4.286 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041687.D

Acq: 18 Dec 2020 18:35

Instrument :

MSVOA\_U

ClientSampleId :

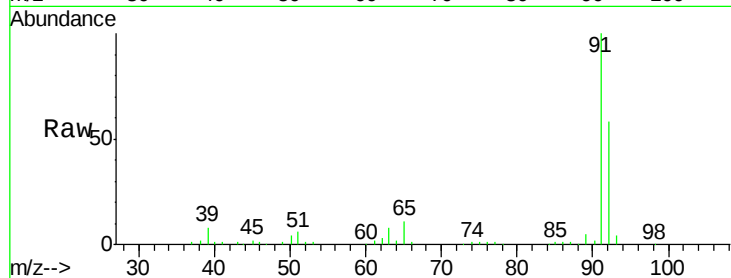
ETZB7MS

Tot Ion: 91 Resp: 148062

Ion Ratio Lower Upper

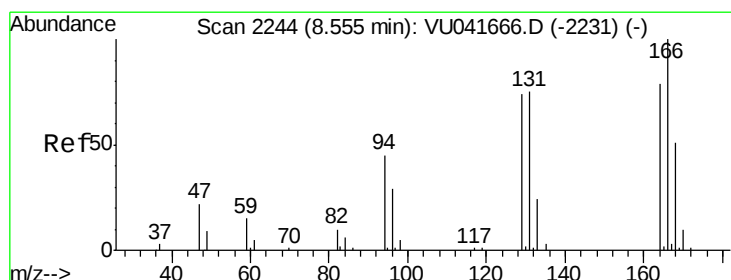
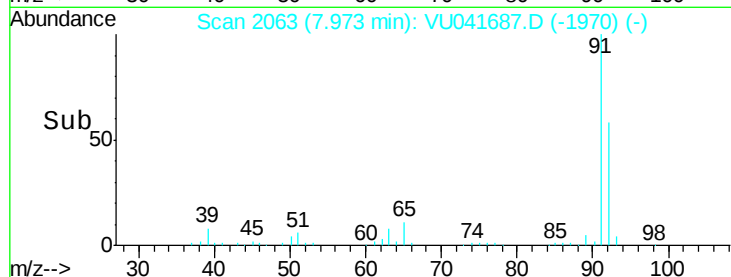
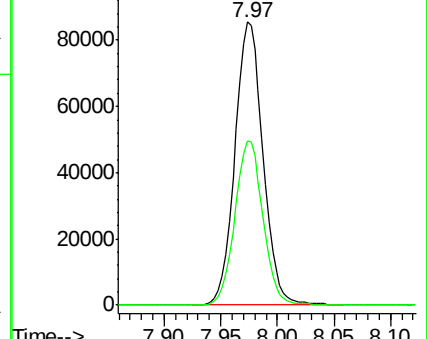
91 100

92 58.0 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041687.D (-2151) (-)

Ion 92.15 (91.85 to 92.85): VU041687.D (-2151) (-)



#47

Tetrachloroethene

Concen: 0.269 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041687.D

Acq: 18 Dec 2020 18:35

Tgt Ion: 164 Resp: 1586

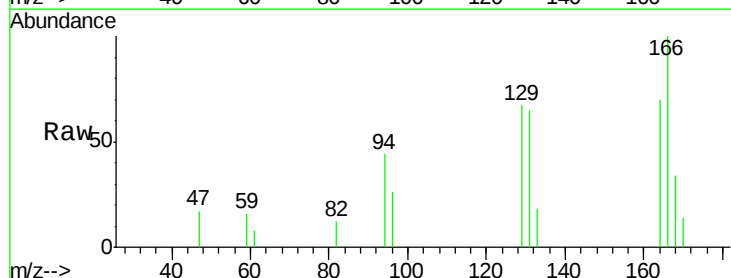
Ion Ratio Lower Upper

164 100

129 95.7 72.2 134.0

131 91.6 66.9 124.3

166 141.9 89.6 166.4

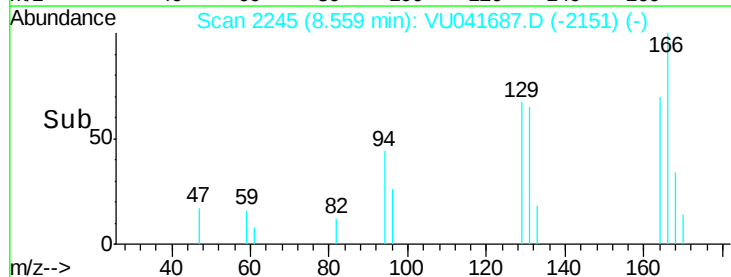
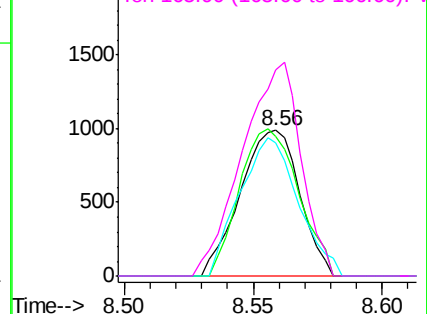


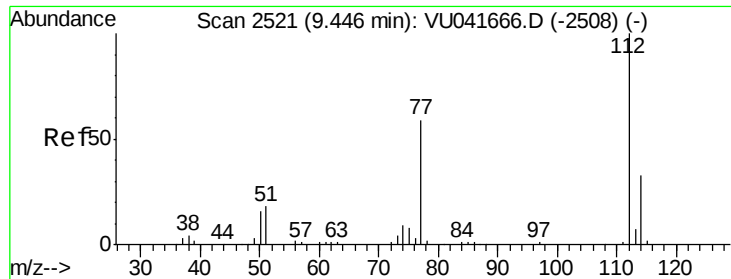
Abundance Ion 163.90 (163.60 to 164.60): VU041687.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041687.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041687.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041687.D (-2151) (-)





#51  
 Chlorobenzene  
 Concen: 4.781 ug/L  
 RT: 9.45 min Scan# 2522  
 Delta R.T. 0.00 min  
 Lab File: VU041687.D  
 Acq: 18 Dec 2020 18:35

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETZB7MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 102656 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.2  | 22.7  | 42.3   |
| 77       | 55.5  | 49.1  | 73.7   |

