

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062920\  
 Data File : VU039204.D  
 Acq On : 29 Jun 2020 20:13  
 Operator : SY/MD  
 Sample : L3121-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F31

Quant Time: Jun 30 03:02:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jun 30 01:35:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 184921   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.43  | 117  | 185349   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 78328    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 49552    | 2.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 58.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 52804    | 3.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 78.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 74211    | 2.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 47.00%# |
| 20) 2-Butanone-d5              | 4.68   | 46    | 303742   | 58.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 117.18% |
| 24) Chloroform-d               | 5.10   | 84    | 137913   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 90472    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.60%  |
| 32) Benzene-d6                 | 5.76   | 84    | 238191   | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 84680    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.80%  |
| 41) Toluene-d8                 | 7.92   | 98    | 173262   | 3.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 68.40%# |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 27264    | 3.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 63.60%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 220311   | 56.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 112.80% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 80424    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 73466    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 89.20%  |

## Target Compounds

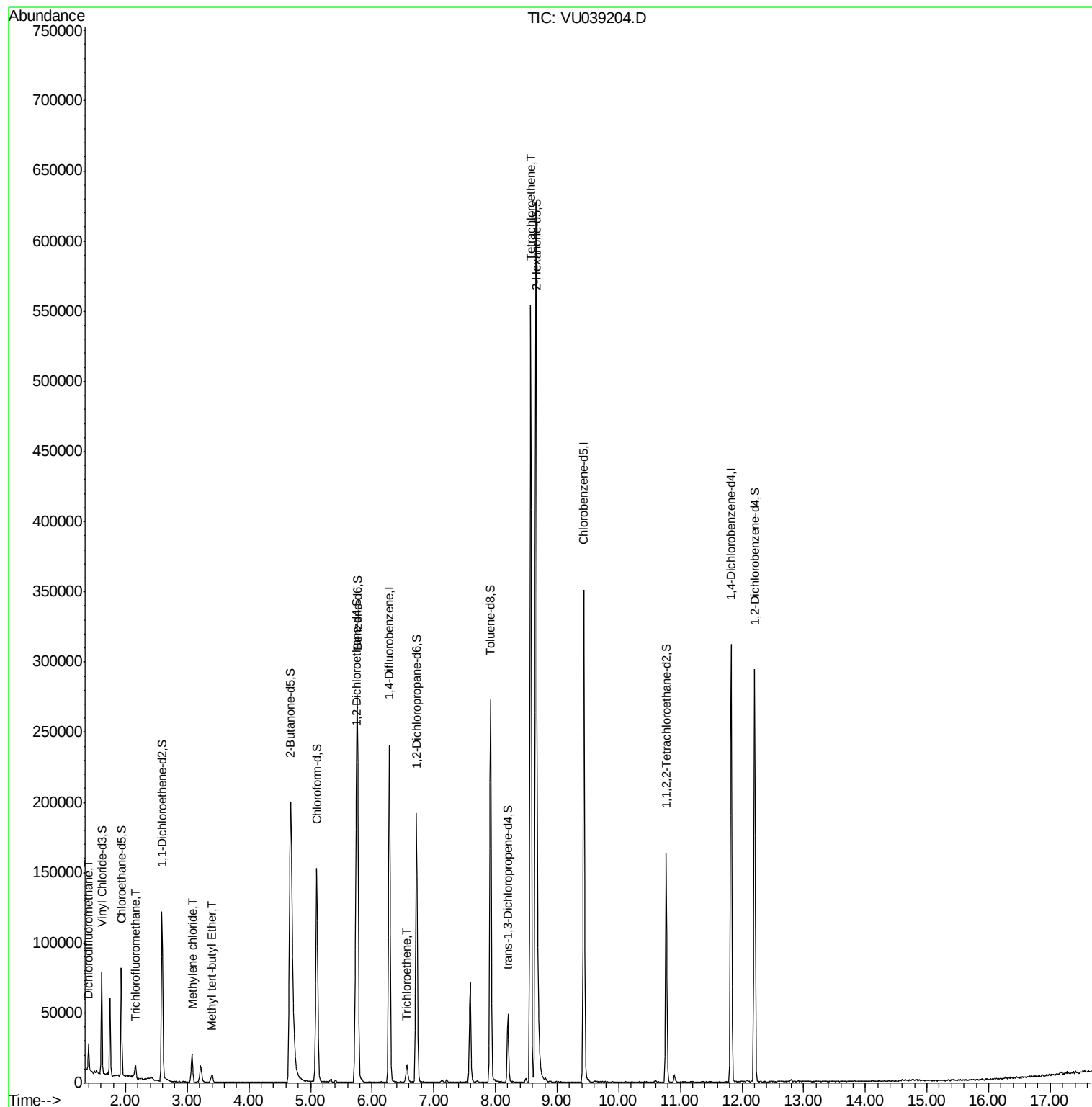
|                             |      |     |        |              | Ovalue |
|-----------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane  | 1.39 | 85  | 7246   | 0.396 ug/L   | 93     |
| 9) Trichlorofluoromethane   | 2.16 | 101 | 4541   | 0.180 ug/L   | 97     |
| 16) Methylene chloride      | 3.08 | 84  | 8700   | 0.533 ug/L   | 96     |
| 17) Methyl tert-butyl Ether | 3.40 | 73  | 5054   | 0.138 ug/L   | 97     |
| 34) Trichloroethene         | 6.57 | 95  | 2650   | 0.174 ug/L # | 81     |
| 47) Tetrachloroethene       | 8.57 | 164 | 115003 | 10.470 ug/L  | 98     |

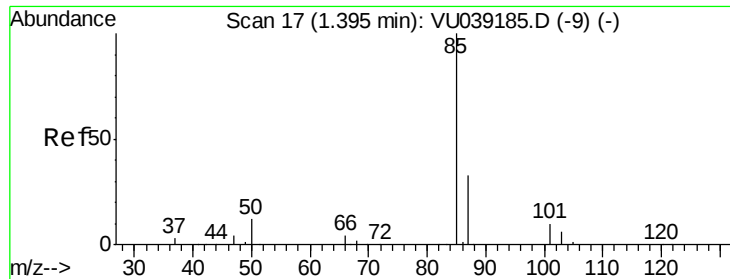
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Jun 30 01:35:59 2020  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.396 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039204.D

Acq: 29 Jun 2020 20:13

Instrument :

MSVOA\_U

ClientSampleId :

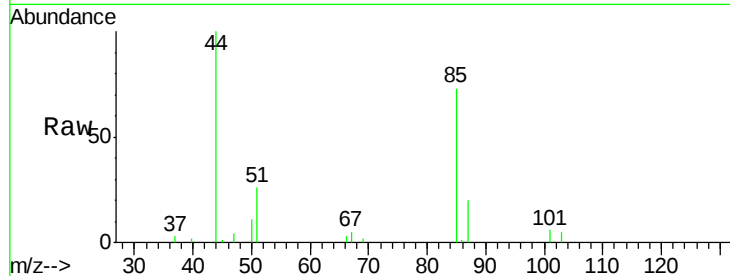
F9F31

Tot Ion: 85 Resp: 7246

Ion Ratio Lower Upper

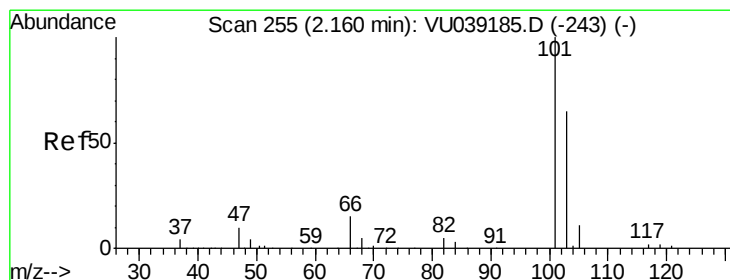
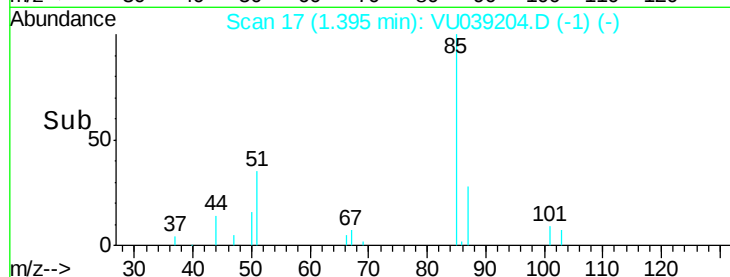
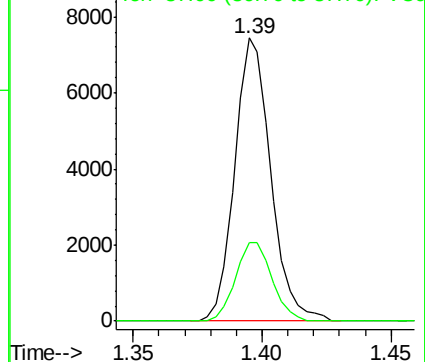
85 100

87 28.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU039185.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039185.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 0.180 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU039204.D

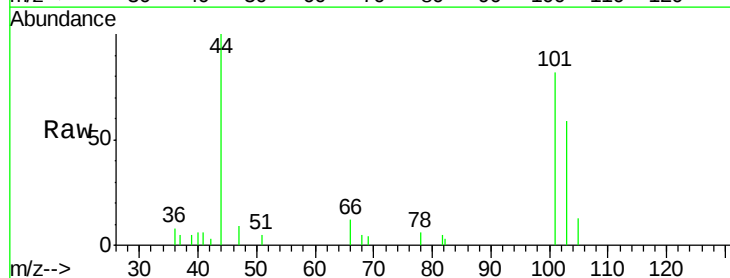
Acq: 29 Jun 2020 20:13

Tgt Ion: 101 Resp: 4541

Ion Ratio Lower Upper

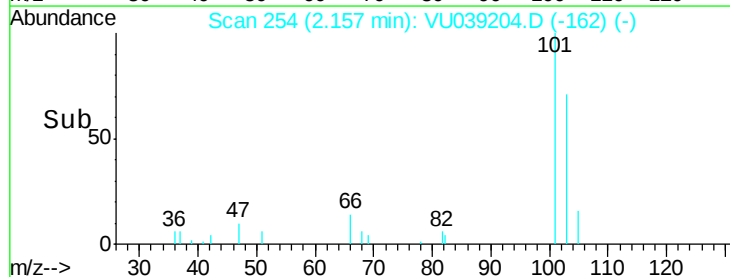
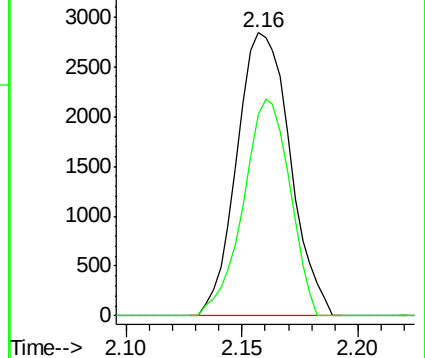
101 100

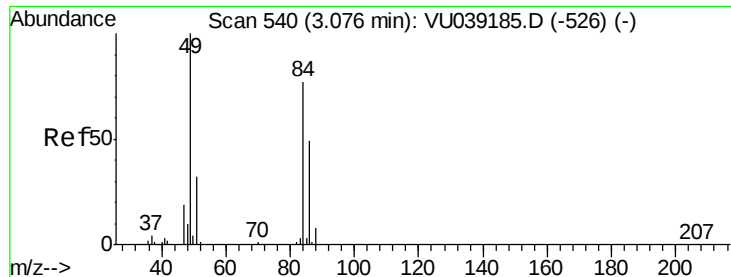
103 66.9 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU039185.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU039185.D (-243) (-)

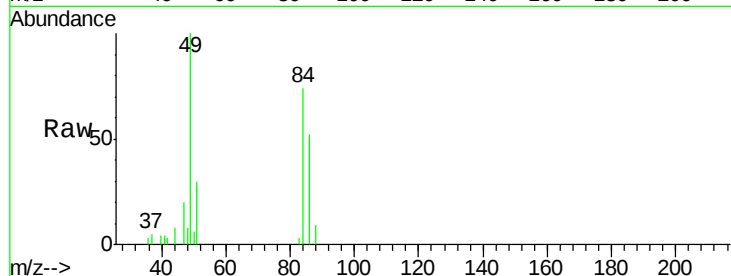




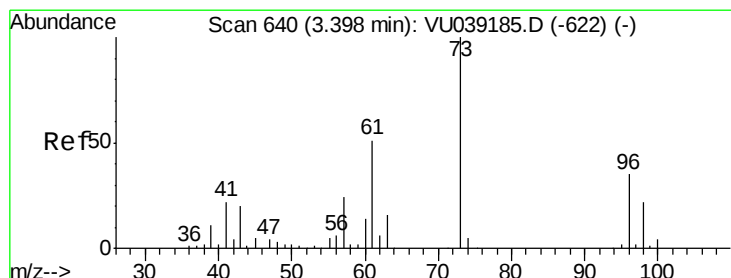
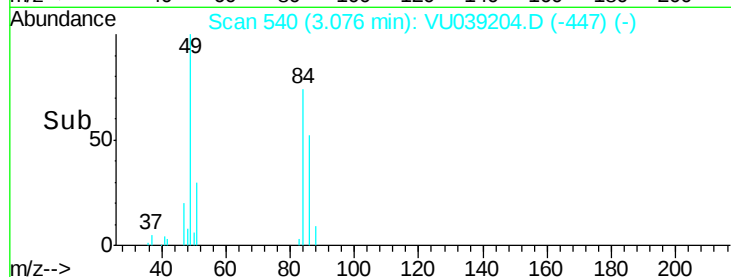
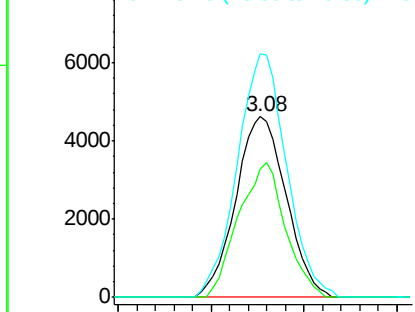
#16  
Methylene chloride  
Concen: 0.533 ug/L  
RT: 3.08 min Scan# 540  
Delta R.T. 0.00 min  
Lab File: VU039204.D  
Acq: 29 Jun 2020 20:13

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Tot Ion: 84 Resp: 8700  
Ion Ratio Lower Upper  
84 100  
86 70.8 44.2 82.2  
49 134.9 93.2 173.0

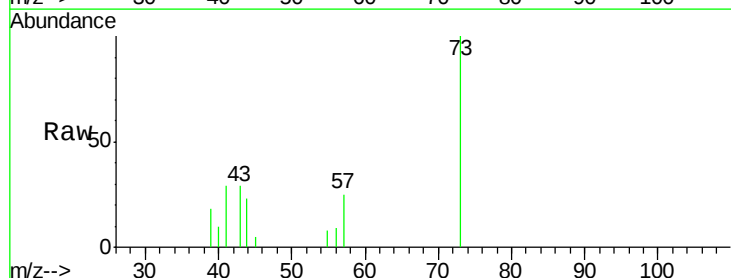


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

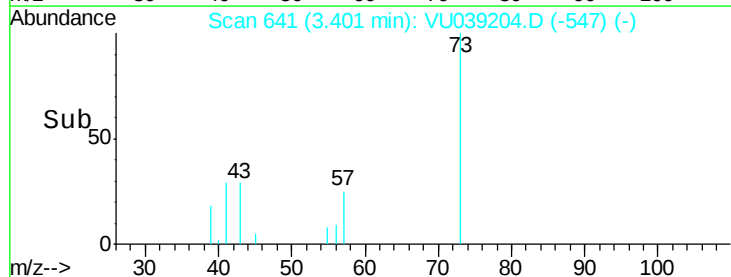
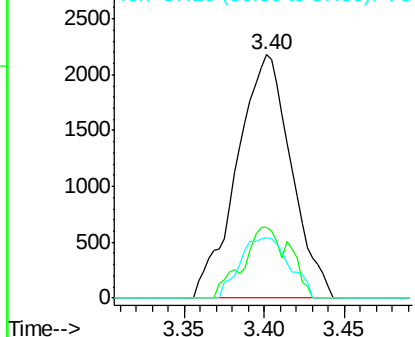


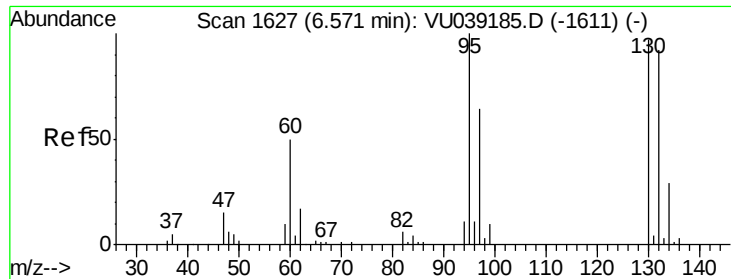
#17  
Methyl tert-butyl Ether  
Concen: 0.138 ug/L  
RT: 3.40 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VU039204.D  
Acq: 29 Jun 2020 20:13

Tgt Ion: 73 Resp: 5054  
Ion Ratio Lower Upper  
73 100  
43 19.2 17.4 26.0  
57 22.5 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU0  
Ion 43.05 (42.75 to 43.75): VU0  
Ion 57.10 (56.80 to 57.80): VU0

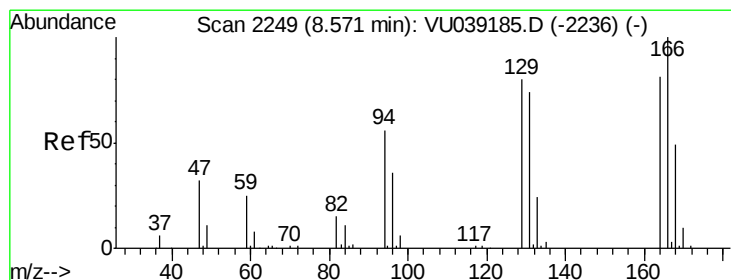
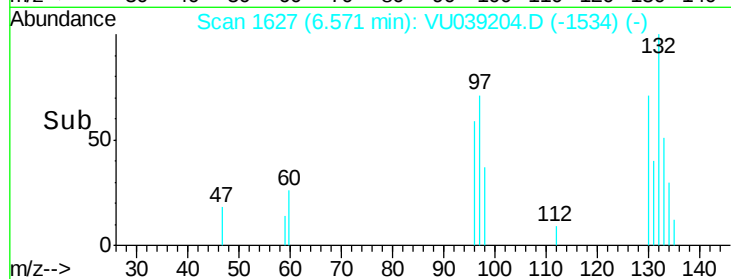
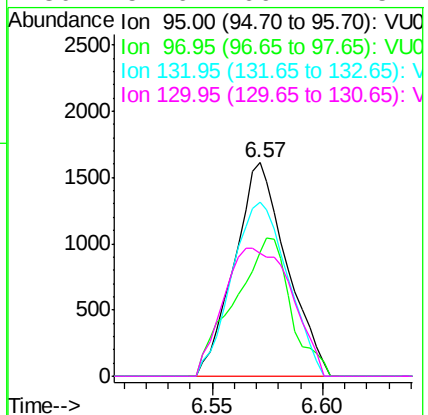
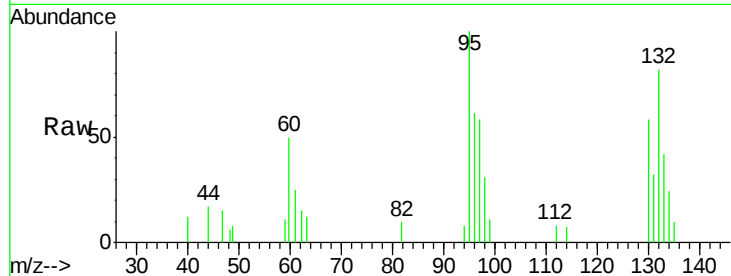




#34  
 Trichloroethene  
 Concen: 0.174 ug/L  
 RT: 6.57 min Scan# 1627  
 Delta R.T. 0.00 min  
 Lab File: VU039204.D  
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 F9F31

Tot Ion: 95 Resp: 2650  
 Ion Ratio Lower Upper  
 95 100  
 97 58.0 44.0 81.8  
 132 81.6 61.2 113.8  
 130 57.6 66.4 123.4#



#47  
 Tetrachloroethene  
 Concen: 10.470 ug/L  
 RT: 8.57 min Scan# 2249  
 Delta R.T. 0.00 min  
 Lab File: VU039204.D  
 Acq: 29 Jun 2020 20:13

Tgt Ion: 164 Resp: 115003  
 Ion Ratio Lower Upper  
 164 100  
 129 96.5 67.6 125.6  
 131 93.1 66.1 122.7  
 166 128.3 86.8 161.2

