

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\U100620\  
 Data File : VU040532.D  
 Acq On : 06 Oct 2020 17:31  
 Operator : SY/MD  
 Sample : VU1006MBL01  
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK205

Quant Time: Oct 07 15:17:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUL100620WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 07 08:04:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 287090   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 287984   | 50.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 128651   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60    | 65    | 116397   | 47.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.42%  |
| 7) Chloroethane-d5             | 1.92    | 69    | 92674    | 49.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.68%  |
| 11) 1,1-Dichloroethene-d2      | 2.58    | 63    | 167647   | 35.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.26%  |
| 21) 2-Butanone-d5              | 4.64    | 46    | 199915   | 102.17   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.17% |
| 24) Chloroform-d               | 5.08    | 84    | 201762   | 47.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.72    | 65    | 143700   | 48.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.04%  |
| 32) Benzene-d6                 | 5.74    | 84    | 398338   | 48.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.70    | 67    | 135223   | 49.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.44%  |
| 41) Toluene-d8                 | 7.91    | 98    | 354664   | 47.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.46%  |
| 43) trans-1,3-Dichloropropene- | 8.19    | 79    | 65472    | 47.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.24%  |
| 47) 2-Hexanone-d5              | 8.64    | 63    | 128176   | 100.09   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.09% |
| 56) 1,1,2,2-Tetrachloroethane- | 10.76   | 84    | 185634   | 46.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.56%  |
| 66) 1,2-Dichlorobenzene-d4     | 12.19   | 152   | 133075   | 50.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.66% |

## Target Compounds

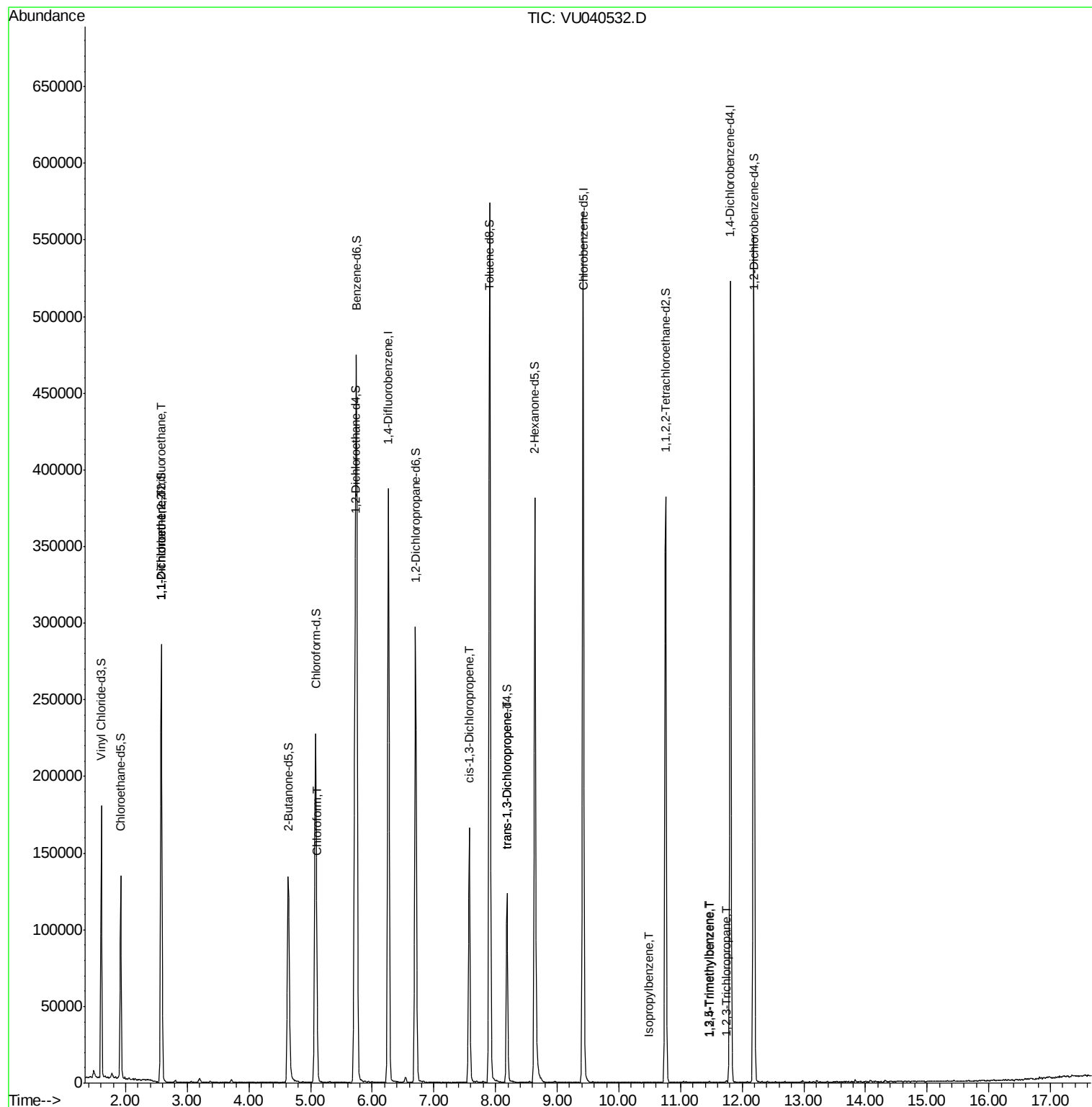
|                                |       |     |      |              | Qvalue |
|--------------------------------|-------|-----|------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.58  | 101 | 1569 | 0.713 ug/L # | 22     |
| 12) 1,1-Dichloroethene         | 2.57  | 96  | 1357 | 0.667 ug/L # | 1      |
| 25) Chloroform                 | 5.11  | 83  | 4786 | 1.087 ug/L   | 87     |
| 39) cis-1,3-Dichloropropene    | 7.57  | 75  | 4041 | 1.079 ug/L # | 65     |
| 44) trans-1,3-Dichloropropene  | 8.19  | 75  | 3269 | 0.867 ug/L # | 69     |
| 60) 1,2,3-Trichloropropane     | 11.75 | 75  | 40   | 0.014 ug/L # | 39     |
| 61) Isopropylbenzene           | 10.48 | 105 | 197  | 0.023 ug/L # | 44     |
| 62) 1,3,5-Trimethylbenzene     | 11.45 | 105 | 68   | 0.010 ug/L # | 29     |
| 63) 1,2,4-Trimethylbenzene     | 11.47 | 105 | 230  | 0.032 ug/L # | 31     |

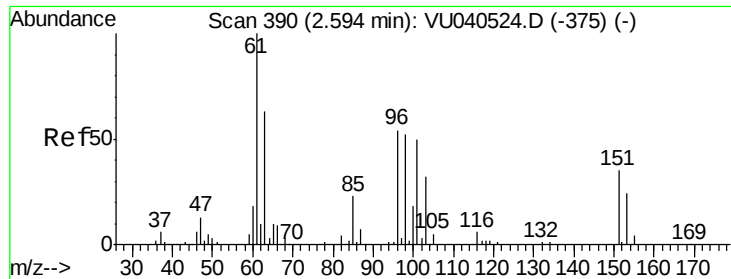
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU100620\  
Data File : VU040532.D  
Acq On : 06 Oct 2020 17:31  
Operator : SY/MD  
Sample : VU1006MBL01  
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK205

Quant Time: Oct 07 15:17:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUL100620WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Oct 07 08:04:20 2020  
Response via : Initial Calibration





#10

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

Concen: 0.713 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040532.D

Acq: 06 Oct 2020 17:31

Instrument :

MSVOA\_U

ClientSampleId :

VBLK205

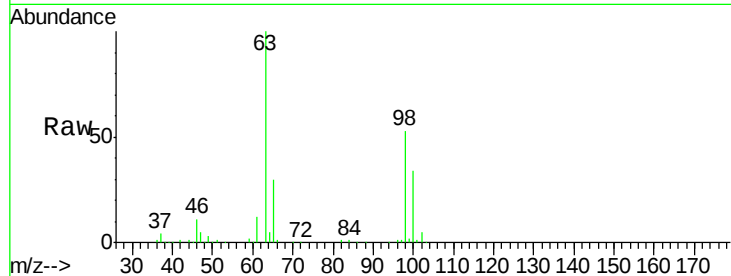
Tgt Ion:101 Resp: 1569

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

151 0.0 54.8 82.2#

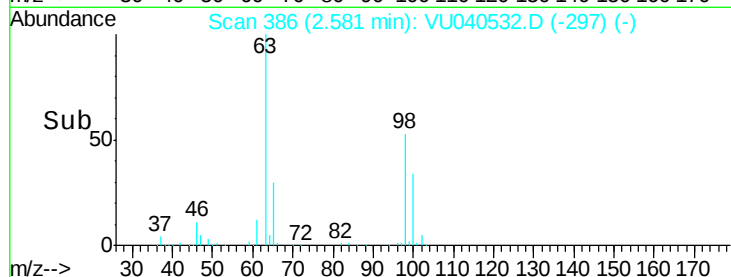


Abundance Ion 101.00 (100.70 to 101.70): V

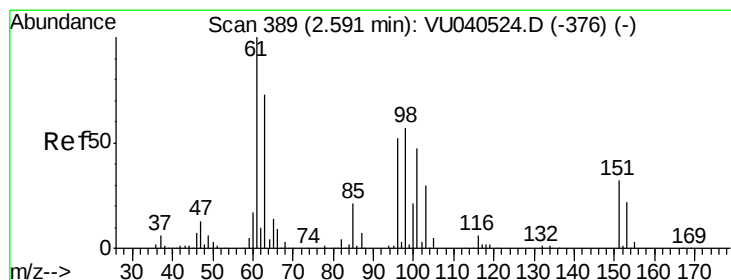
Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58



Time--> 2.54 2.56 2.58 2.60 2.62



#12

1,1-Dichloroethene

Concen: 0.667 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040532.D

Acq: 06 Oct 2020 17:31

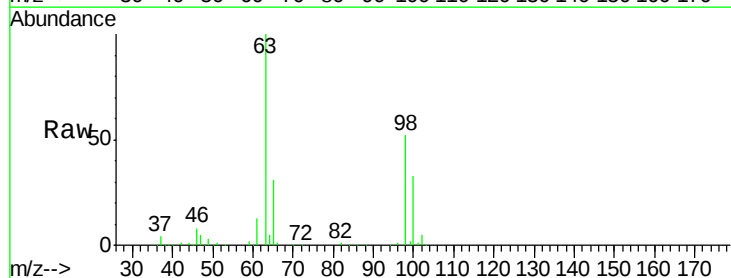
Tgt Ion: 96 Resp: 1357

Ion Ratio Lower Upper

96 100

61 1557.8 135.0 250.8#

63 12058.1 101.4 188.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

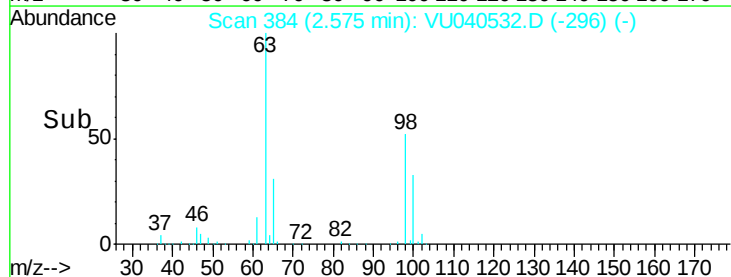
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

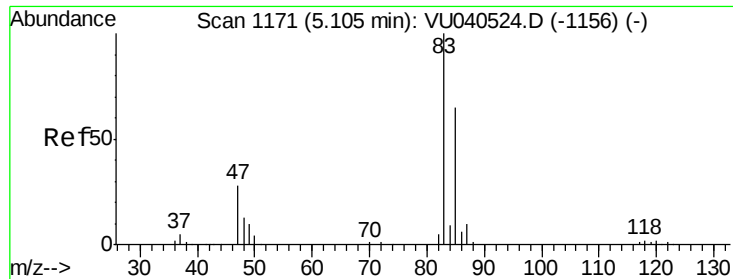
100000

50000

0



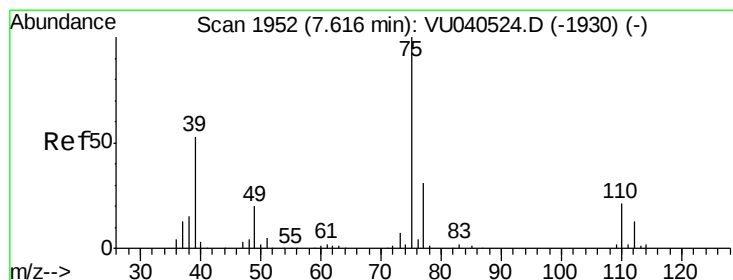
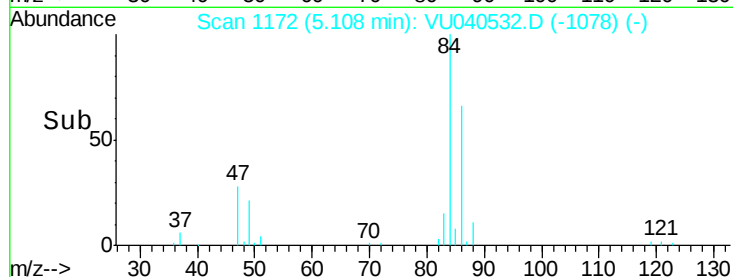
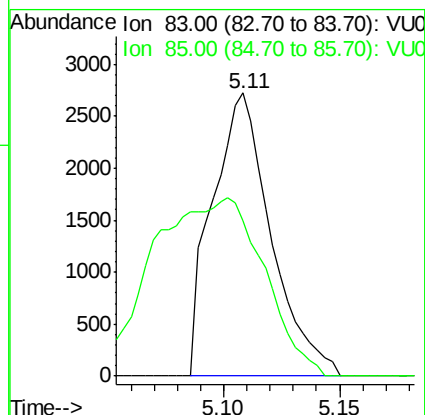
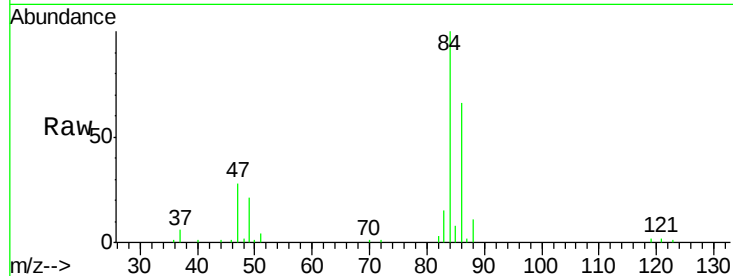
Time--> 2.54 2.56 2.58 2.60 2.62



#25  
Chloroform  
Concen: 1.087 ug/L  
RT: 5.11 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: VU040532.D  
Acq: 06 Oct 2020 17:31

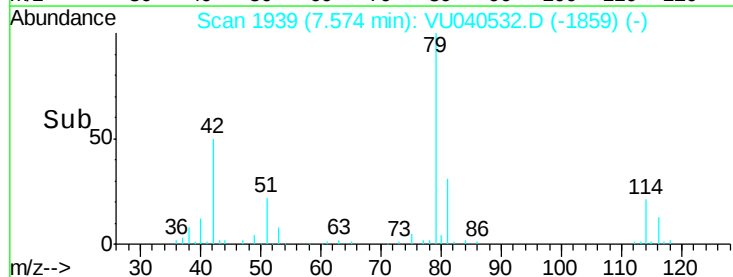
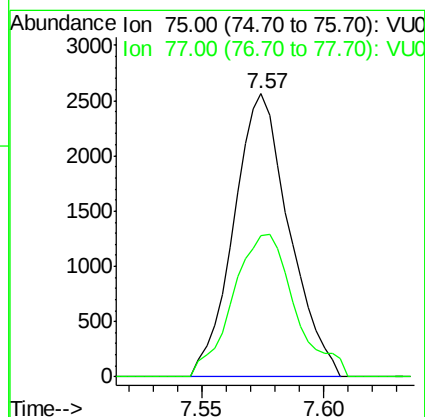
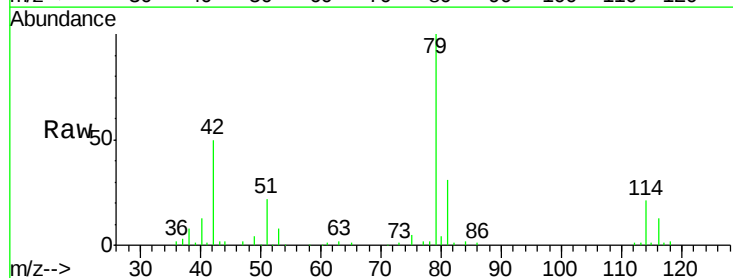
Instrument :  
MSVOA\_U  
ClientSampled :  
VBLK205

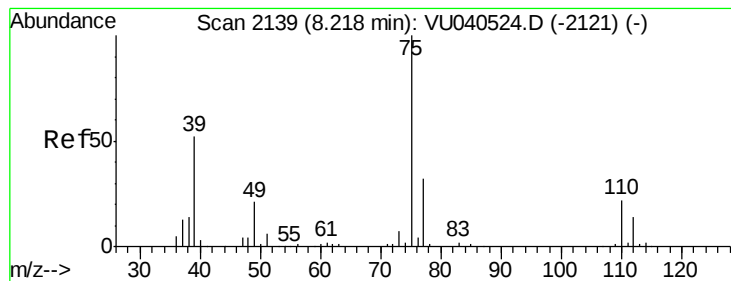
Tgt Ion: 83 Resp: 4786  
Ion Ratio Lower Upper  
83 100  
85 55.0 45.6 84.8



#39  
cis-1,3-Dichloropropene  
Concen: 1.079 ug/L  
RT: 7.57 min Scan# 1939  
Delta R.T. -0.04 min  
Lab File: VU040532.D  
Acq: 06 Oct 2020 17:31

Tgt Ion: 75 Resp: 4041  
Ion Ratio Lower Upper  
75 100  
77 49.8 21.4 39.8#





#44

trans-1,3-Dichloropropene

Concen: 0.867 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040532.D

Acq: 06 Oct 2020 17:31

Instrument :

MSVOA\_U

ClientSampleId :

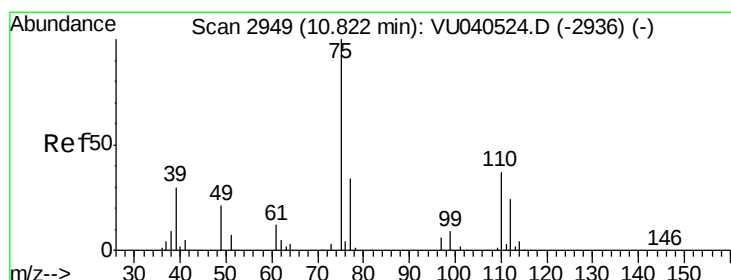
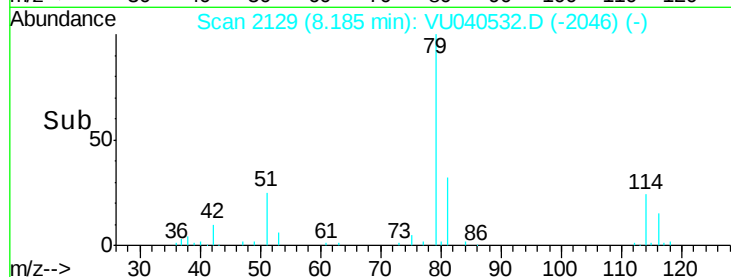
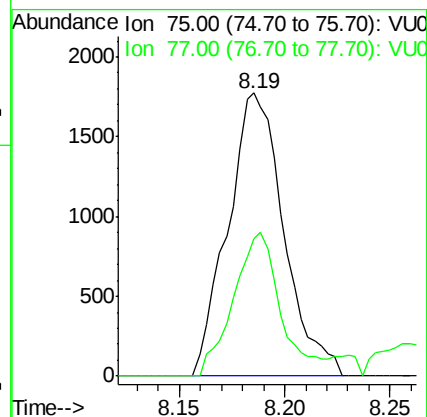
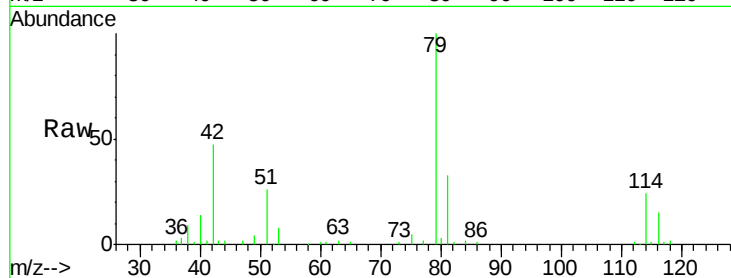
VBLK205

Tgt Ion: 75 Resp: 3269

Ion Ratio Lower Upper

75 100

77 48.7 22.1 41.1#



#60

1,2,3-Trichloropropane

Concen: 0.014 ug/L

RT: 11.75 min Scan# 3237

Delta R.T. 0.93 min

Lab File: VU040532.D

Acq: 06 Oct 2020 17:31

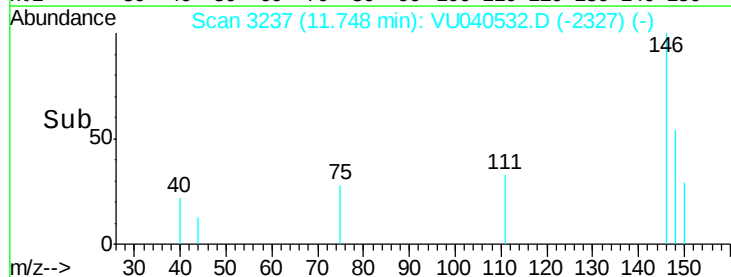
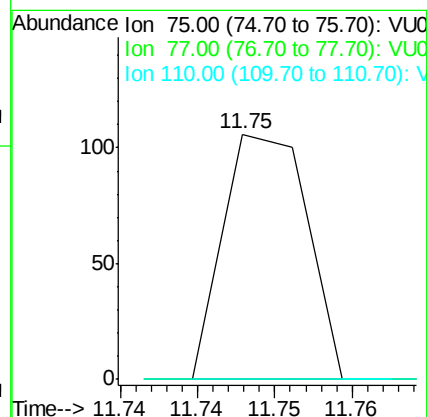
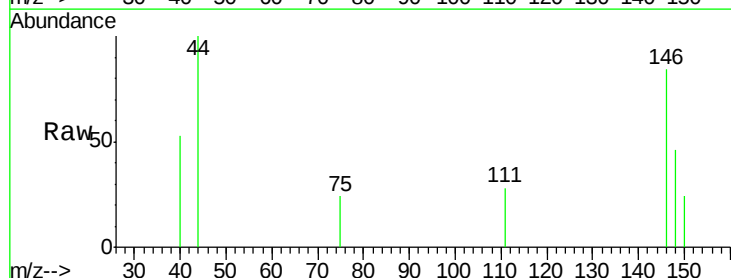
Tgt Ion: 75 Resp: 40

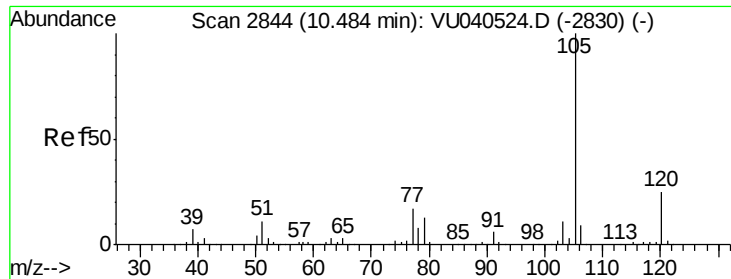
Ion Ratio Lower Upper

75 100

77 0.0 26.4 39.6#

110 0.0 30.1 45.1#





#61

Isopropylbenzene

Concen: 0.023 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040532.D

Acq: 06 Oct 2020 17:31

Instrument :

MSVOA\_U

ClientSampleId :

VBLK205

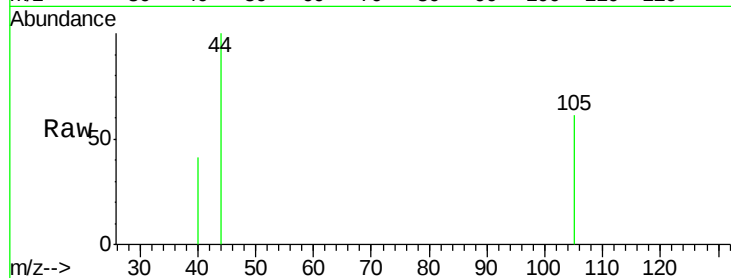
Tgt Ion:105 Resp: 197

Ion Ratio Lower Upper

105 100

120 0.0 20.7 31.1#

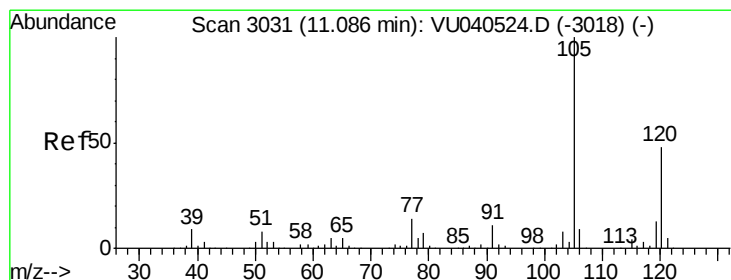
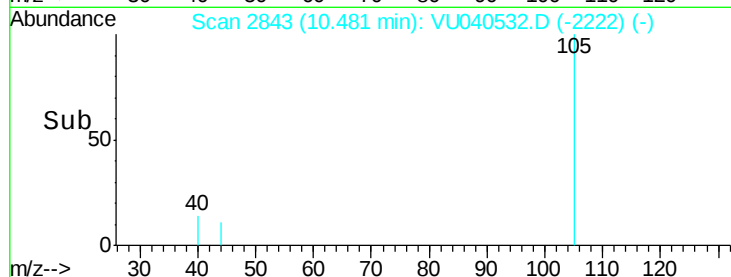
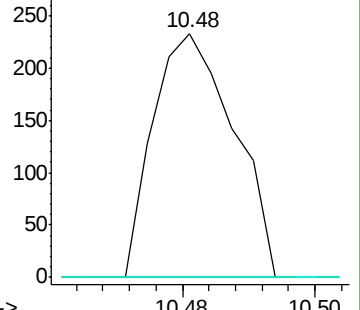
77 45.2 13.8 20.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3,5-Trimethylbenzene

Concen: 0.010 ug/L

RT: 11.45 min Scan# 3145

Delta R.T. 0.37 min

Lab File: VU040532.D

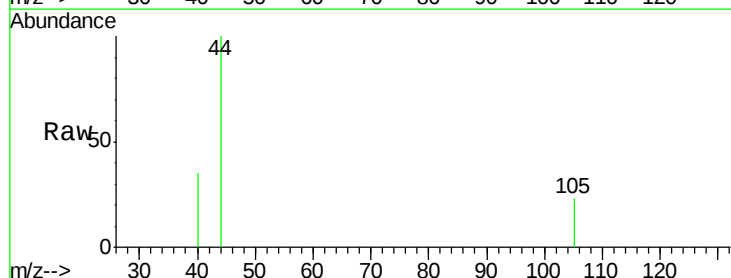
Acq: 06 Oct 2020 17:31

Tgt Ion:105 Resp: 68

Ion Ratio Lower Upper

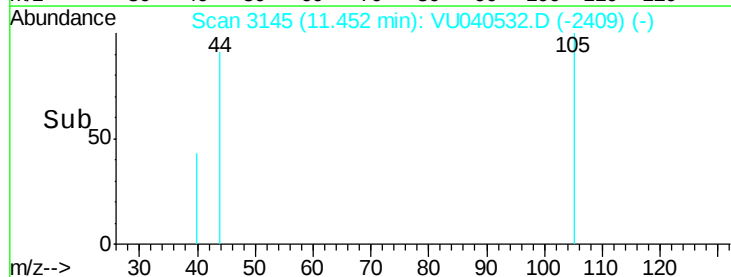
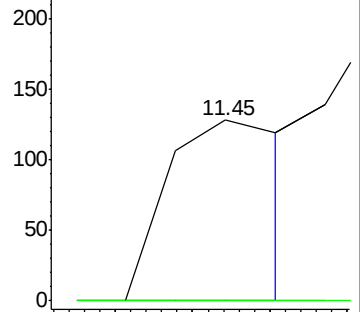
105 100

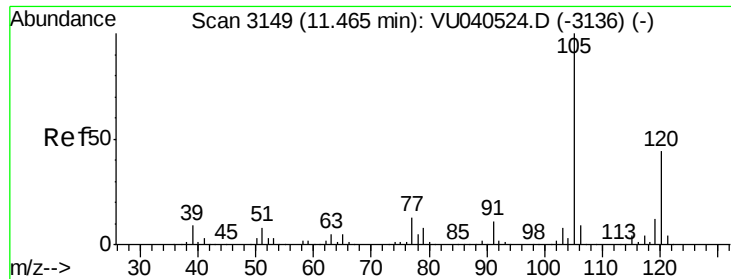
120 0.0 38.6 58.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.032 ug/L  
 RT: 11.47 min Scan# 3150  
 Delta R.T. 0.00 min  
 Lab File: VU040532.D  
 Acq: 06 Oct 2020 17:31

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK205

Tgt Ion:105 Resp: 230  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 35.7 53.5#

