

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\  
 Data File : VU040812.D  
 Acq On : 19 Oct 2020 18:23  
 Operator : SY/MD  
 Sample : L4354-06DL 20X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETZ16DL

Quant Time: Oct 20 01:39:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 20 01:28:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 113446   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 119465   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 50097    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 29239    | 3.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 62.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 30145    | 4.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 47952    | 2.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 52.20%# |
| 20) 2-Butanone-d5              | 4.66   | 46    | 178822   | 59.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 118.90% |
| 24) Chloroform-d               | 5.08   | 84    | 79461    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 50315    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.20% |
| 32) Benzene-d6                 | 5.74   | 84    | 133254   | 4.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 48177    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.00%  |
| 41) Toluene-d8                 | 7.91   | 98    | 97972    | 3.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 68.00%# |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 18627    | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 117389   | 50.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.54% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 49327    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 46499    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.20% |

## Target Compounds

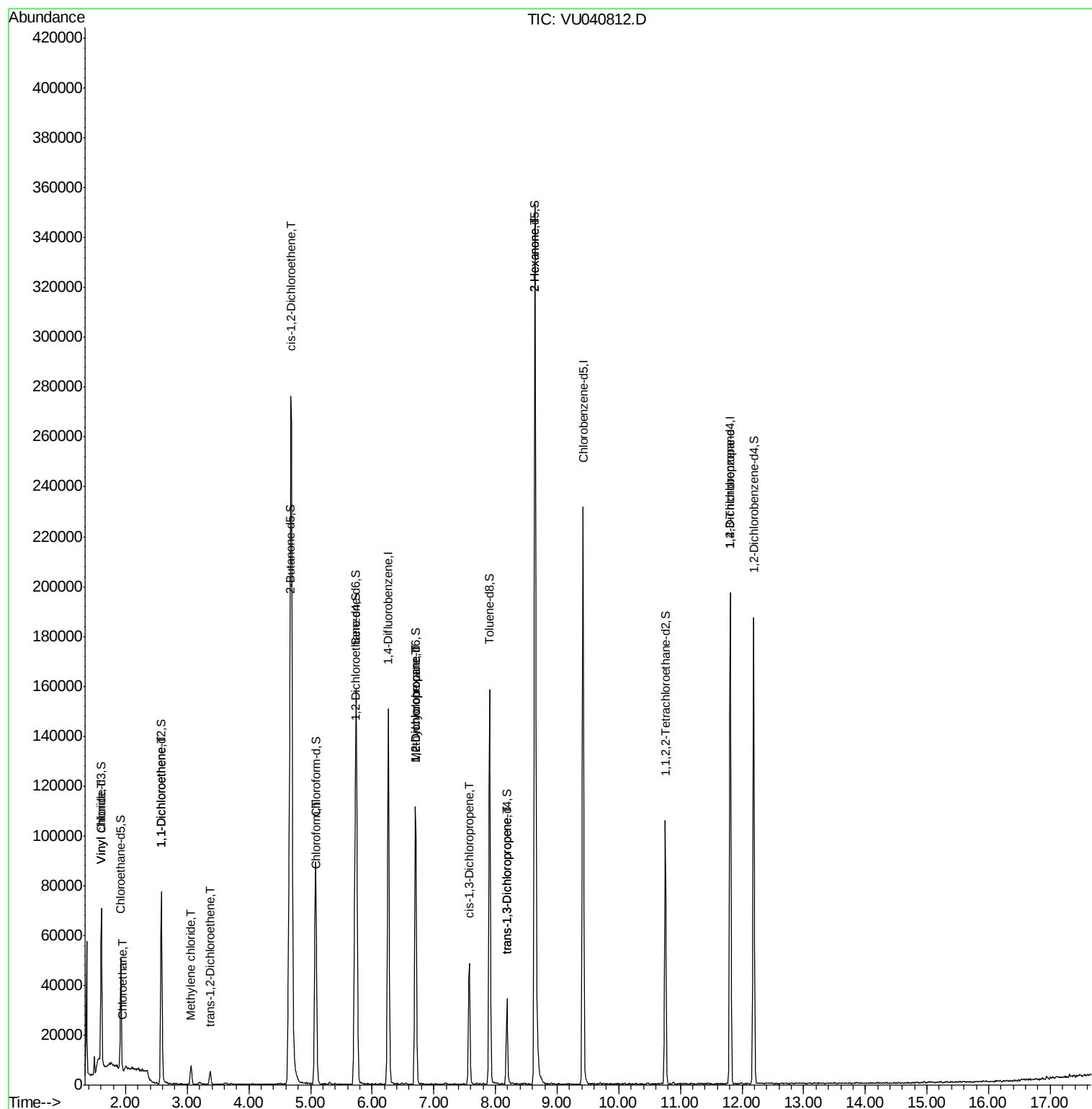
| Target Compounds              | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------------|-------|------|----------|--------|--------|--------|
| 5) Vinyl chloride             | 1.61  | 62   | 9712     | 0.959  | ug/L # | 31     |
| 8) Chloroethane               | 1.95  | 64   | 284      | 0.044  | ug/L # | 53     |
| 12) 1,1-Dichloroethene        | 2.58  | 96   | 625      | 0.077  | ug/L # | 1      |
| 16) Methylene chloride        | 3.06  | 84   | 3357     | 0.323  | ug/L   | 85     |
| 18) trans-1,2-Dichloroethene  | 3.37  | 96   | 2123     | 0.251  | ug/L   | 92     |
| 22) cis-1,2-Dichloroethene    | 4.69  | 96   | 116102   | 12.706 | ug/L   | 96     |
| 25) Chloroform                | 5.10  | 83   | 1466     | 0.082  | ug/L   | 89     |
| 35) Methylcyclohexane         | 6.70  | 83   | 11583    | 0.821  | ug/L # | 14     |
| 37) 1,2-Dichloropropane       | 6.70  | 63   | 5994     | 0.561  | ug/L # | 87     |
| 39) cis-1,3-Dichloropropene   | 7.58  | 75   | 1146     | 0.078  | ug/L # | 81     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75   | 734      | 0.055  | ug/L # | 38     |
| 48) 2-Hexanone                | 8.64  | 43   | 17006    | 2.679  | ug/L # | 69     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75   | 6878     | 0.876  | ug/L   | 91     |

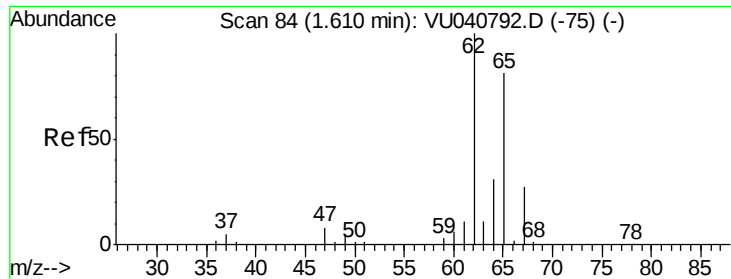
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101920\  
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Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
ETZ16DL

Quant Time: Oct 20 01:39:42 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Oct 20 01:28:45 2020  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.959 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040812.D

Acq: 19 Oct 2020 18:23

Instrument :

MSVOA\_U

ClientSampleID :

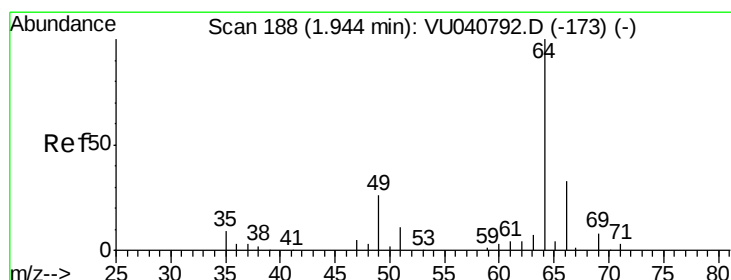
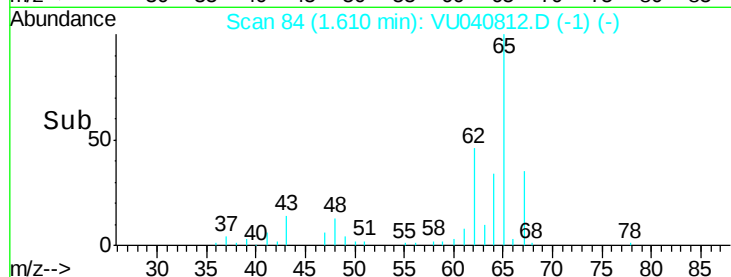
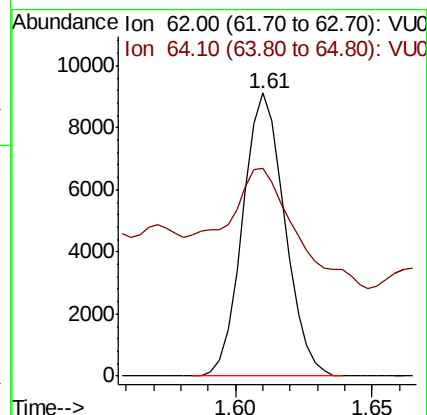
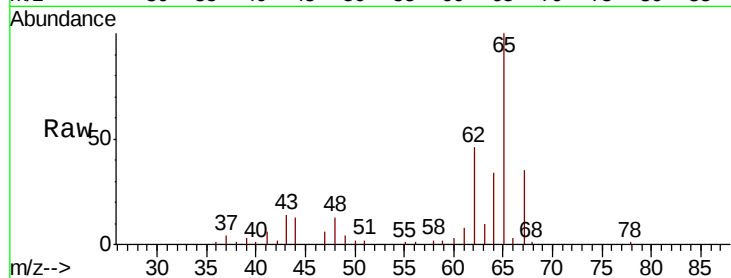
ETZ16DL

Tot Ion: 62 Resp: 9712

Ion Ratio Lower Upper

62 100

64 73.4 23.7 44.1#



#8

Chloroethane

Concen: 0.044 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU040812.D

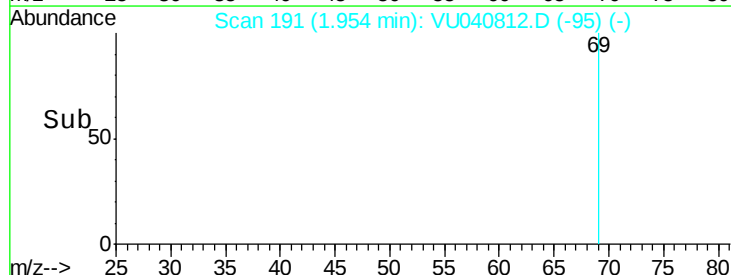
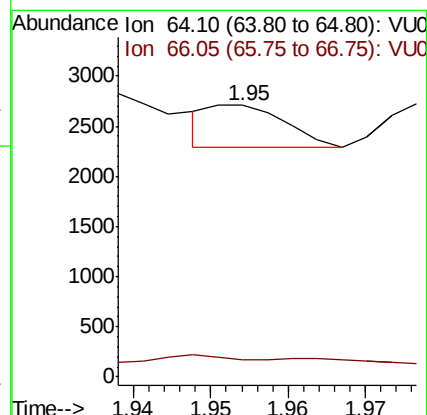
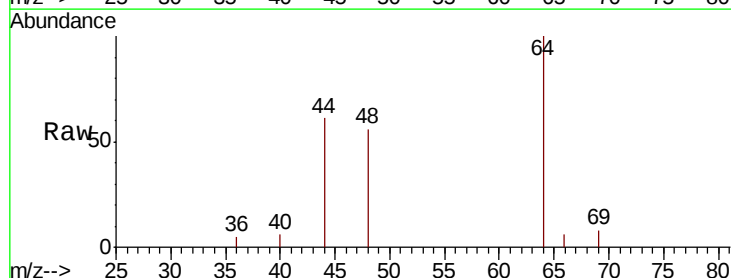
Acq: 19 Oct 2020 18:23

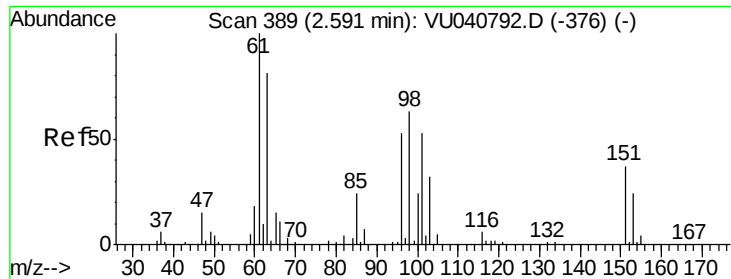
Tgt Ion: 64 Resp: 284

Ion Ratio Lower Upper

64 100

66 6.4 23.3 43.3#

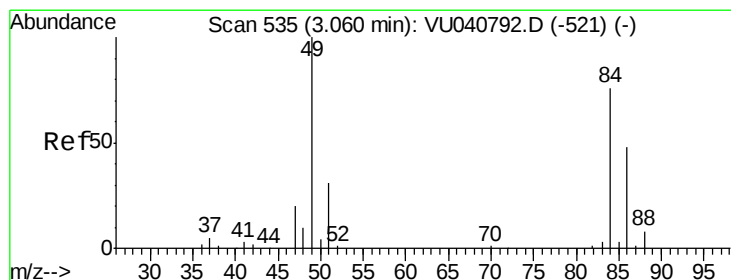
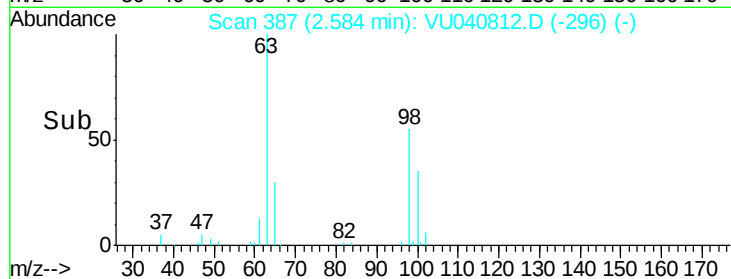
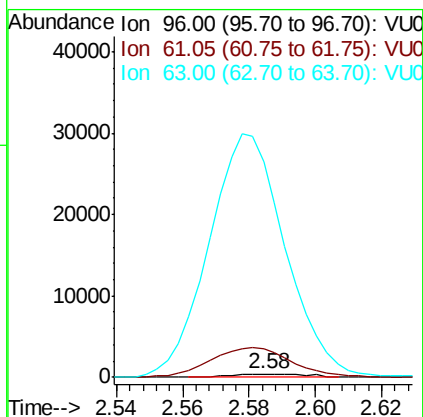
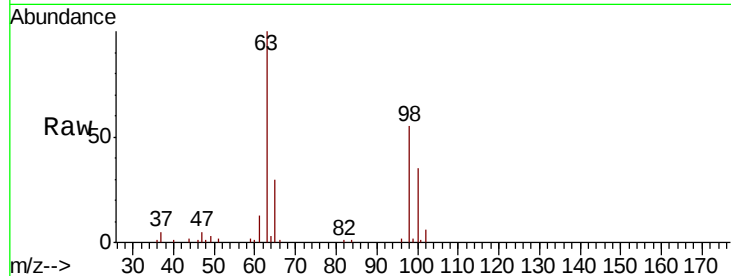




#12  
 1,1-Dichloroethene  
 Concen: 0.077 ug/L  
 RT: 2.58 min Scan# 387  
 Delta R.T. -0.01 min  
 Lab File: VU040812.D  
 Acq: 19 Oct 2020 18:23

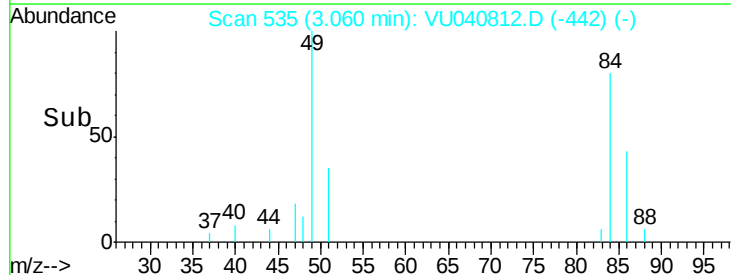
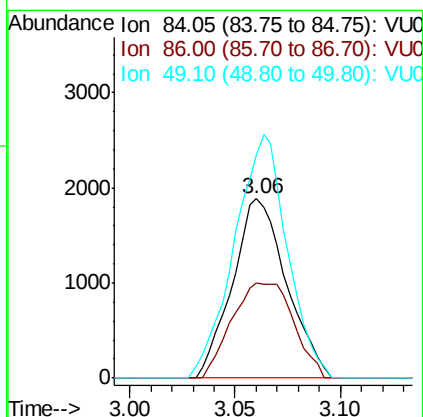
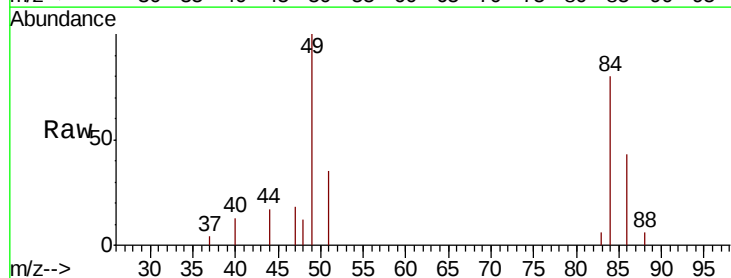
Instrument :  
 MSVOA\_U  
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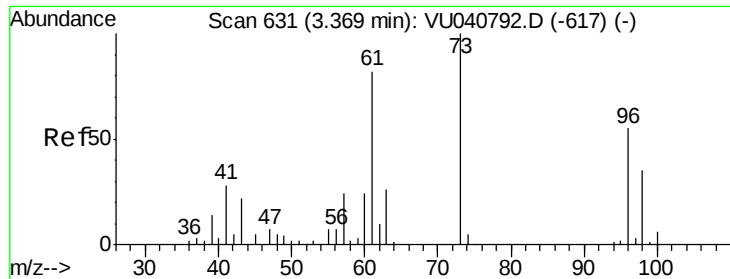
Tot Ion: 96 Resp: 625  
 Ion Ratio Lower Upper  
 96 100  
 61 864.7 128.8 239.2#  
 63 6421.4 84.6 157.2#



#16  
 Methylene chloride  
 Concen: 0.323 ug/L  
 RT: 3.06 min Scan# 535  
 Delta R.T. 0.00 min  
 Lab File: VU040812.D  
 Acq: 19 Oct 2020 18:23

Tgt Ion: 84 Resp: 3357  
 Ion Ratio Lower Upper  
 84 100  
 86 53.3 45.4 84.4  
 49 124.4 99.8 185.3

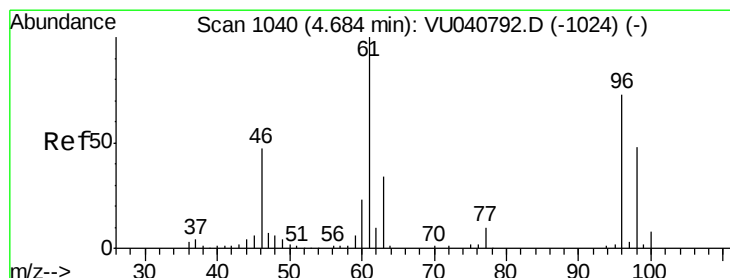
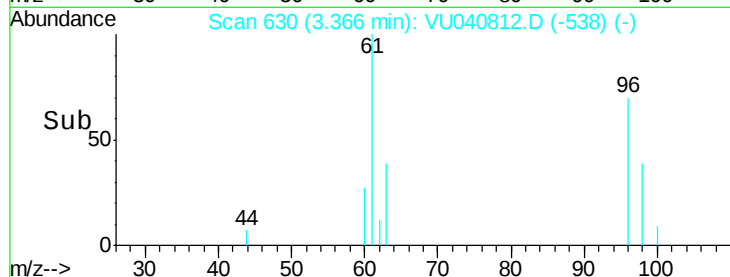
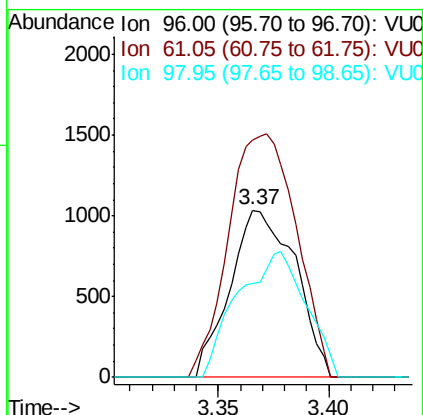
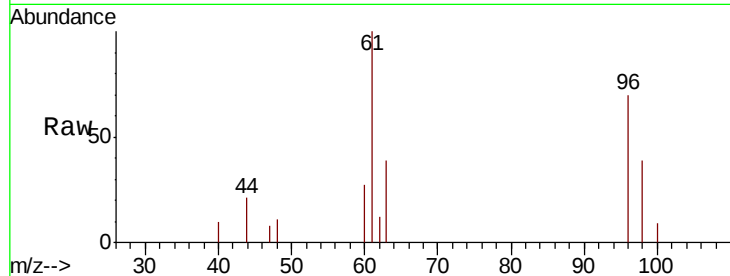




#18  
trans-1,2-Dichloroethene  
Concen: 0.251 ug/L  
RT: 3.37 min Scan# 630  
Delta R.T. -0.00 min  
Lab File: VU040812.D  
Acq: 19 Oct 2020 18:23

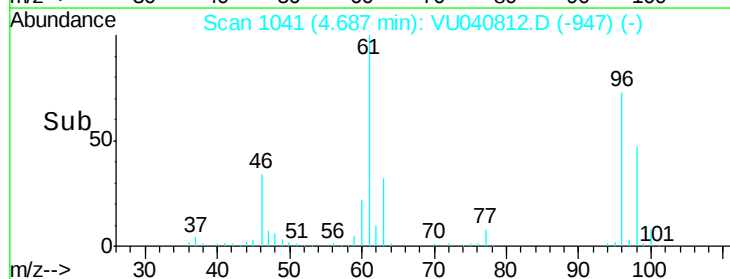
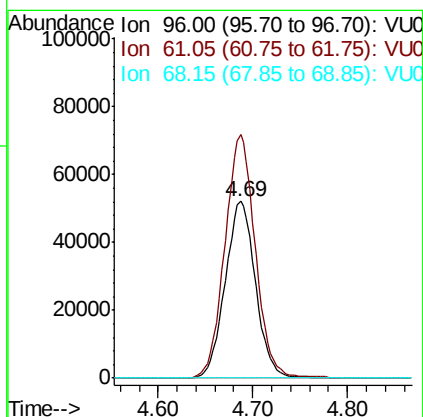
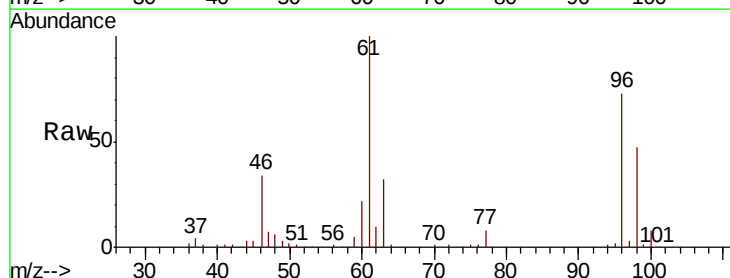
Instrument :  
MSVOA\_U  
ClientSampleId :  
ETZ16DL

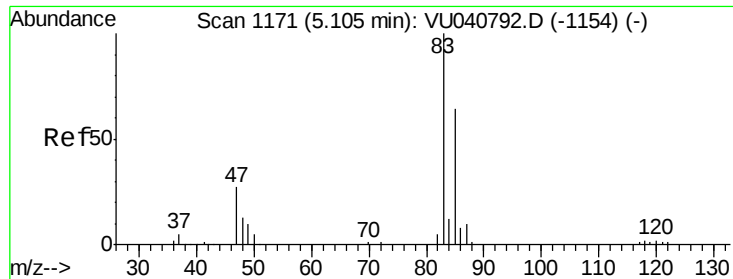
Tot Ion: 96 Resp: 2123  
Ion Ratio Lower Upper  
96 100  
61 142.2 105.9 196.7  
98 55.9 43.8 81.3



#22  
cis-1,2-Dichloroethene  
Concen: 12.706 ug/L  
RT: 4.69 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: VU040812.D  
Acq: 19 Oct 2020 18:23

Tgt Ion: 96 Resp: 116102  
Ion Ratio Lower Upper  
96 100  
61 137.5 99.8 185.4  
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.082 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040812.D

Acq: 19 Oct 2020 18:23

Instrument :

MSVOA\_U

ClientSampleId :

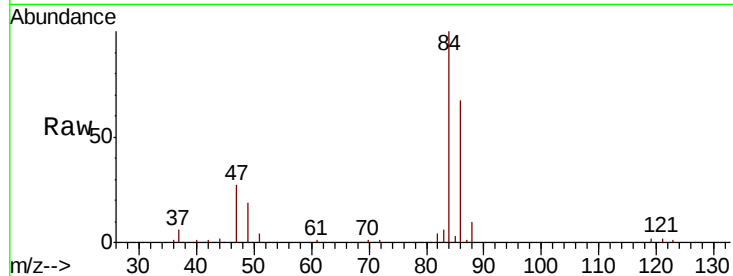
ETZ16DL

Tot Ion: 83 Resp: 1466

Ion Ratio Lower Upper

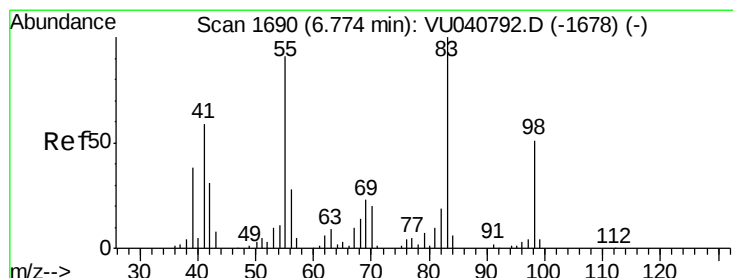
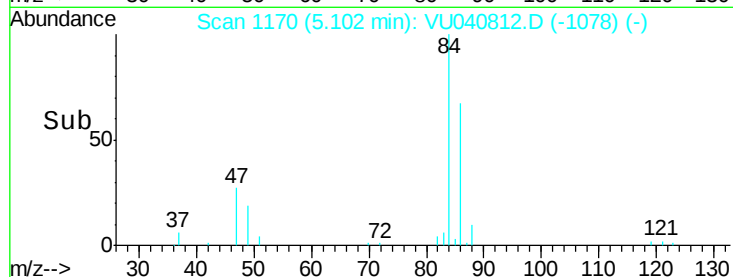
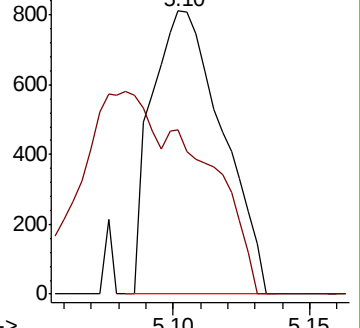
83 100

85 58.1 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#35

Methylcyclohexane

Concen: 0.821 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040812.D

Acq: 19 Oct 2020 18:23

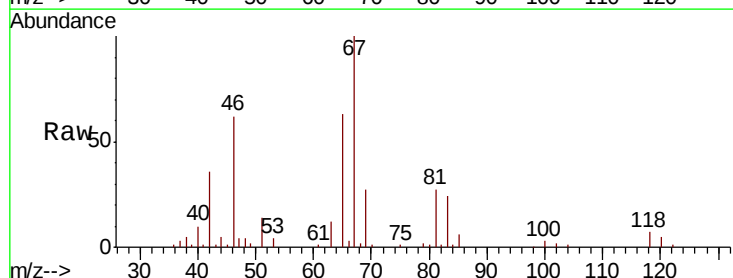
Tgt Ion: 83 Resp: 11583

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

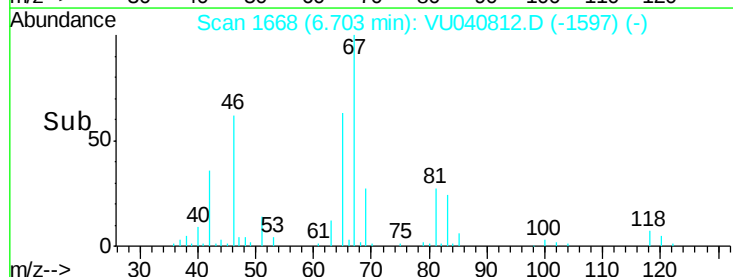
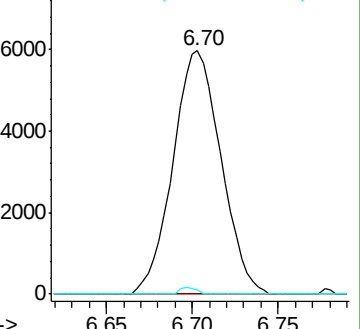
98 0.9 38.4 57.6#

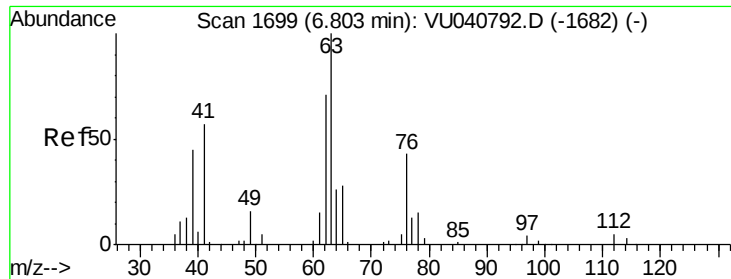


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

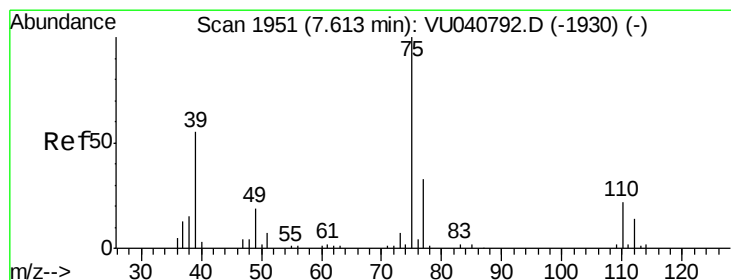
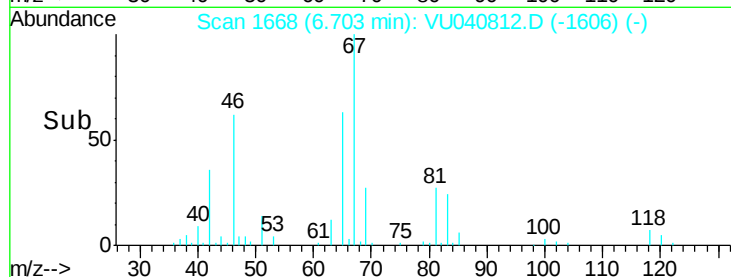
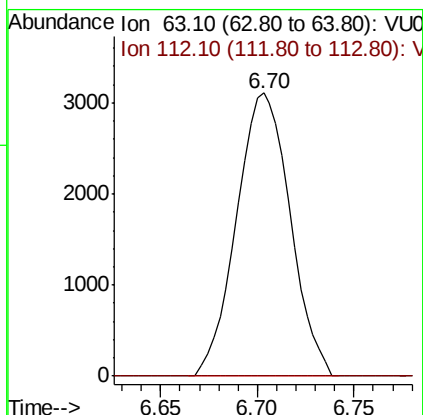
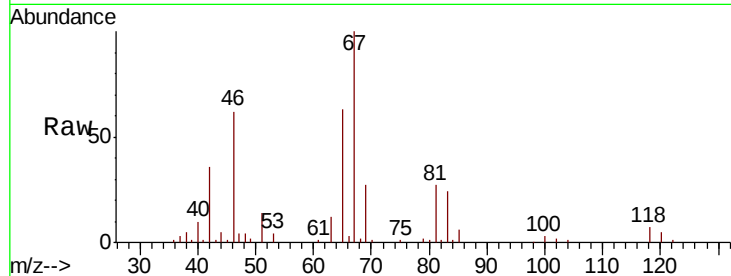




#37  
 1,2-Dichloropropane  
 Concen: 0.561 ug/L  
 RT: 6.70 min Scan# 1668  
 Delta R.T. -0.10 min  
 Lab File: VU040812.D  
 Acq: 19 Oct 2020 18:23

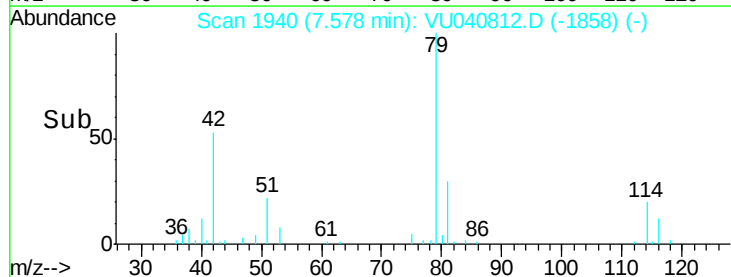
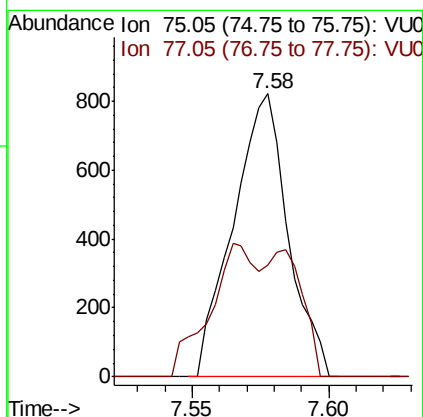
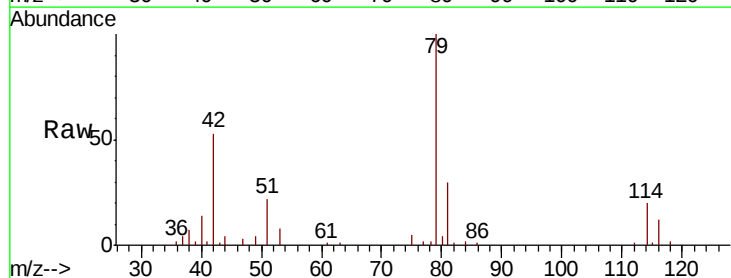
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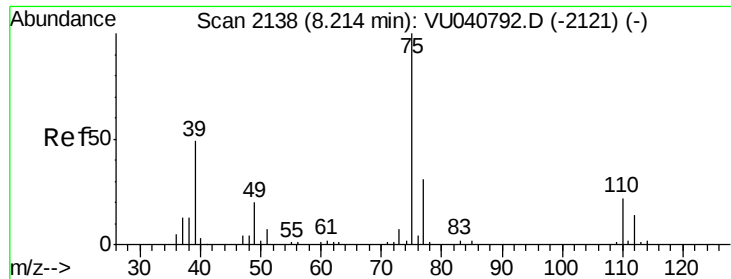
Tot Ion: 63 Resp: 5994  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.5 5.3#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.078 ug/L  
 RT: 7.58 min Scan# 1940  
 Delta R.T. -0.04 min  
 Lab File: VU040812.D  
 Acq: 19 Oct 2020 18:23

Tgt Ion: 75 Resp: 1146  
 Ion Ratio Lower Upper  
 75 100  
 77 39.4 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.055 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040812.D

Acq: 19 Oct 2020 18:23

Instrument :

MSVOA\_U

ClientSampleId :

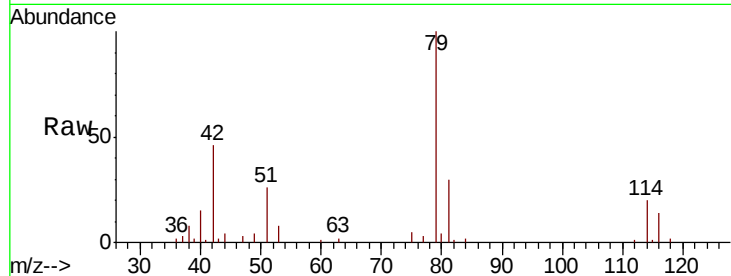
ETZ16DL

Tot Ion: 75 Resp: 734

Ion Ratio Lower Upper

75 100

77 62.4 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

600

500

400

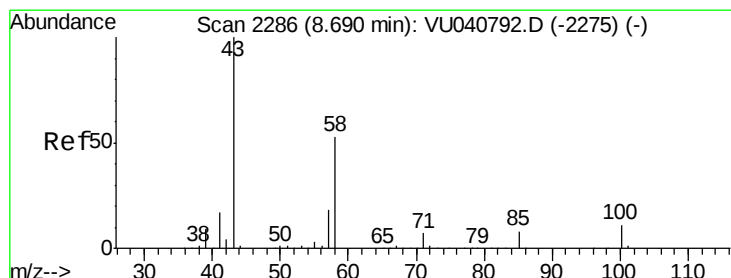
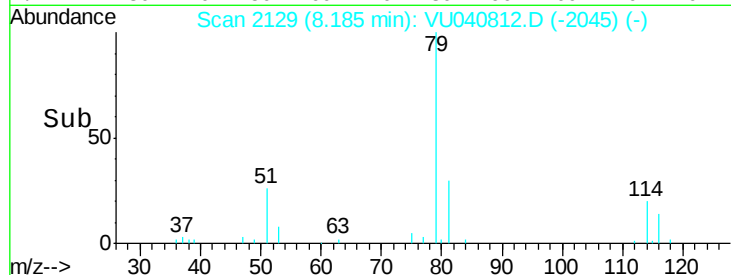
300

200

100

0

Time-->



#48

2-Hexanone

Concen: 2.679 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040812.D

Acq: 19 Oct 2020 18:23

Tgt Ion: 43 Resp: 17006

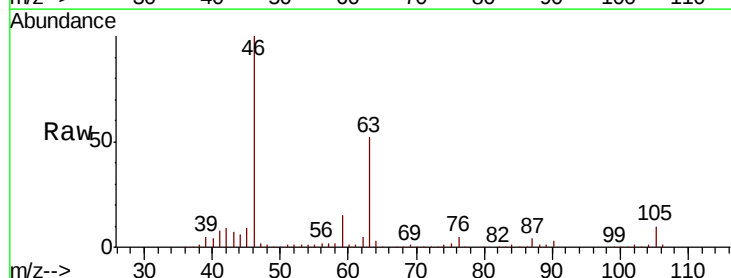
Ion Ratio Lower Upper

43 100

58 32.8 41.0 61.6#

57 37.8 14.4 21.6#

100 1.2 8.6 13.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

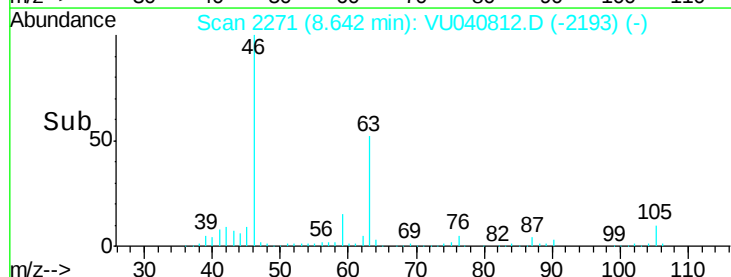
Ion 100.15 (99.85 to 100.85): VU0

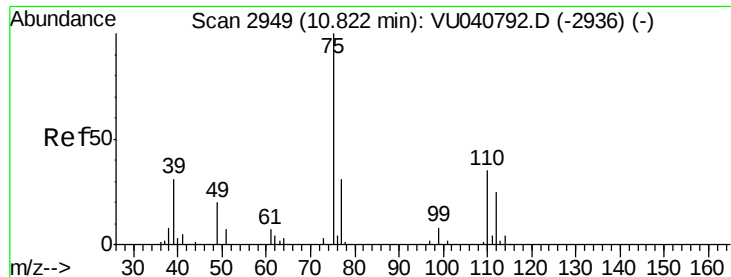
10000

5000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.876 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040812.D

Acq: 19 Oct 2020 18:23

Instrument :

MSVOA\_U

ClientSampleId :

ETZ16DL

Tot Ion: 75 Resp: 6878

Ion Ratio Lower Upper

75 100

77 37.8 26.4 39.6

