

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\  
 Data File : VU040157.D  
 Acq On : 16 Sep 2020 18:47  
 Operator : SY/MD  
 Sample : L4041-13  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AD7

Quant Time: Sep 17 01:12:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Sep 17 01:09:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 103412   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 104359   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 45379    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 27144    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 96.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 24335    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.40% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 45103    | 3.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.20%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 103354   | 45.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 91.52%  |
| 24) Chloroform-d               | 5.08   | 84    | 57953    | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 37108    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.20%  |
| 32) Benzene-d6                 | 5.75   | 84    | 107932   | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 36200    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.20%  |
| 41) Toluene-d8                 | 7.91   | 98    | 84179    | 3.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 13489    | 3.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 71319    | 40.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.62%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 31298    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 34535    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.00%  |

## Target Compounds

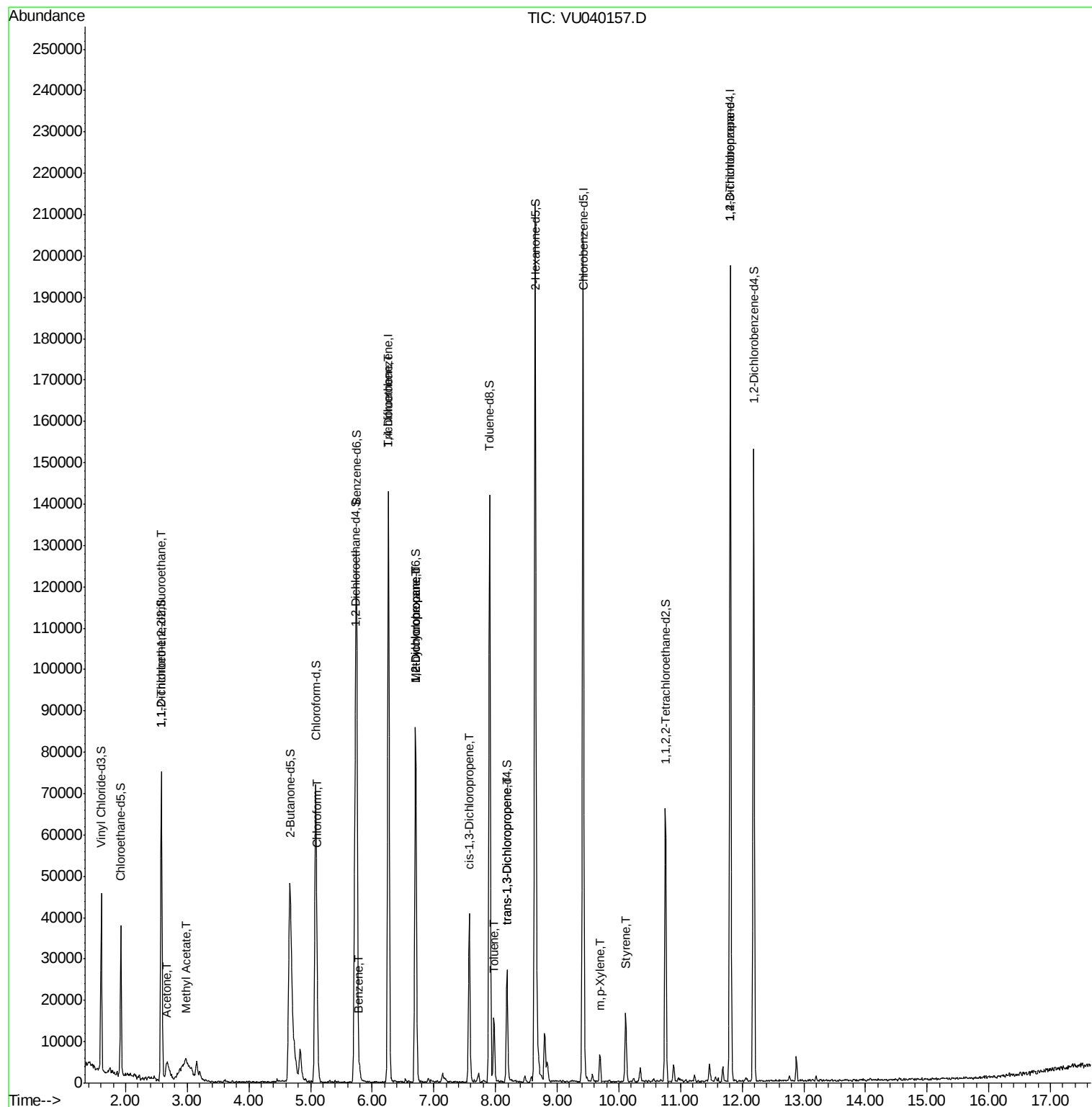
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.58  | 101  | 413      | 0.045 | ug/L # | 22     |
| 13) Acetone                    | 2.68  | 43   | 11067    | 5.294 | ug/L   | 64     |
| 15) Methyl Acetate             | 2.98  | 43   | 3505     | 0.668 | ug/L # | 78     |
| 25) Chloroform                 | 5.11  | 83   | 5719     | 0.315 | ug/L   | 97     |
| 33) Benzene                    | 5.79  | 78   | 2285     | 0.061 | ug/L   | 100    |
| 34) Trichloroethene            | 6.26  | 95   | 2017     | 0.201 | ug/L # | 9      |
| 35) Methylcyclohexane          | 6.70  | 83   | 9032     | 0.589 | ug/L # | 14     |
| 37) 1,2-Dichloropropane        | 6.70  | 63   | 4509     | 0.446 | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.58  | 75   | 1155     | 0.077 | ug/L   | 88     |
| 42) Toluene                    | 7.98  | 91   | 10002    | 0.260 | ug/L   | 99     |
| 44) trans-1,3-Dichloropropene  | 8.19  | 75   | 670      | 0.048 | ug/L # | 1      |
| 53) m,p-Xylene                 | 9.69  | 106  | 1792     | 0.115 | ug/L   | 85     |
| 55) Styrene                    | 10.11 | 104  | 6660     | 0.258 | ug/L   | 98     |
| 59) 1,2,3-Trichloropropane     | 11.81 | 75   | 7301     | 0.975 | ug/L   | 93     |

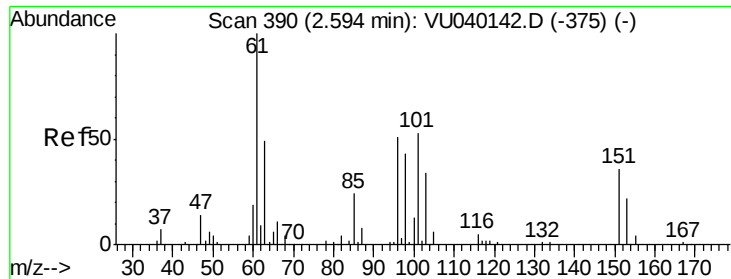
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091620\  
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Acq On : 16 Sep 2020 18:47  
Operator : SY/MD  
Sample : L4041-13  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AD7

Quant Time: Sep 17 01:12:41 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Sep 17 01:09:36 2020  
Response via : Initial Calibration





#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040157.D

Acq: 16 Sep 2020 18:47

Instrument :

MSVOA\_U

ClientSampleId :

C0AD7

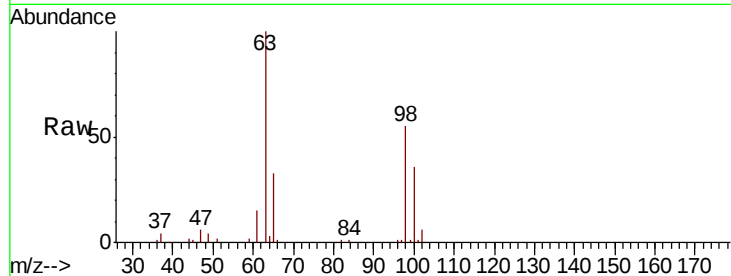
Tot Ion:101 Resp: 413

Ion Ratio Lower Upper

101 100

85 0.0 37.7 56.5#

151 0.0 53.9 80.9#



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

400

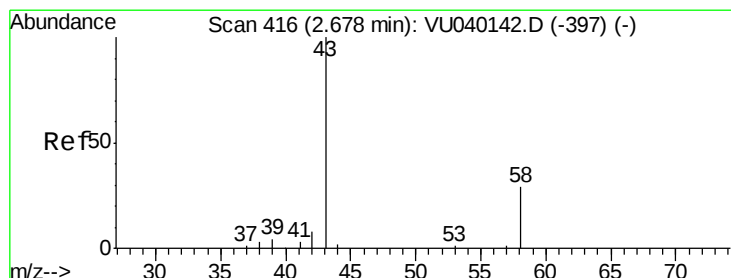
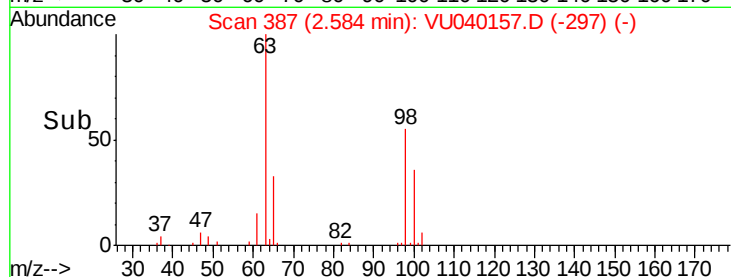
300

200

100

0

Time-->



#13

Acetone

Concen: 5.294 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU040157.D

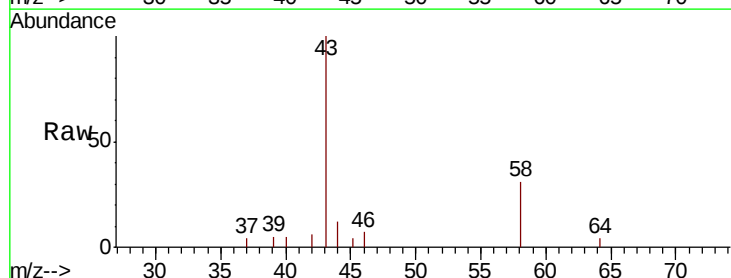
Acq: 16 Sep 2020 18:47

Tgt Ion: 43 Resp: 11067

Ion Ratio Lower Upper

43 100

58 9.1 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.68

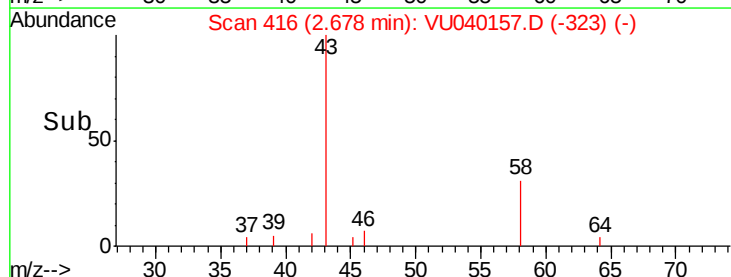
3000

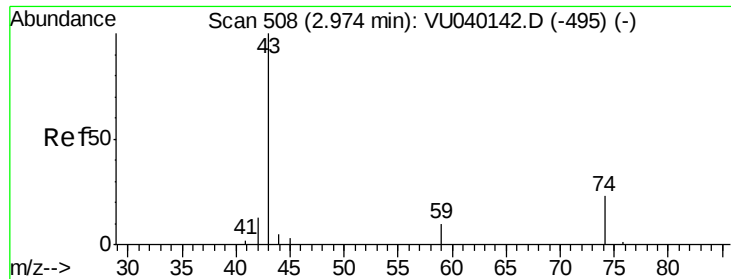
2000

1000

0

Time-->

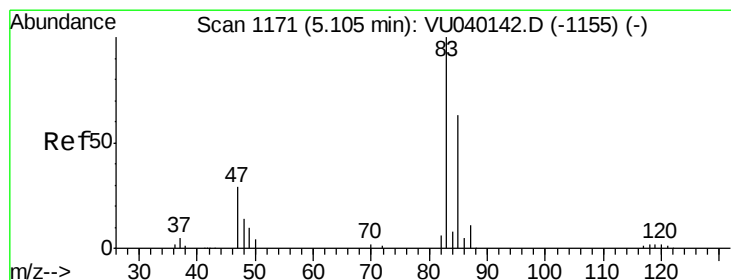
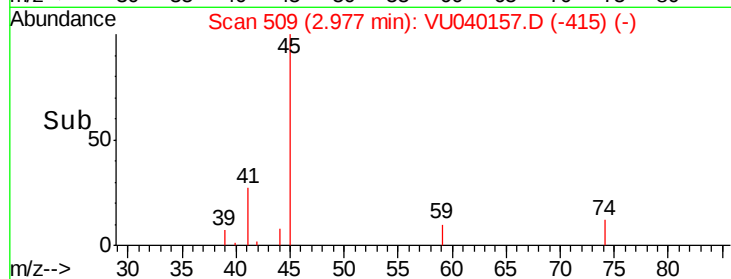
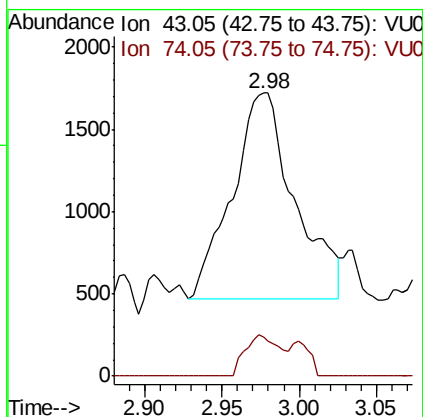
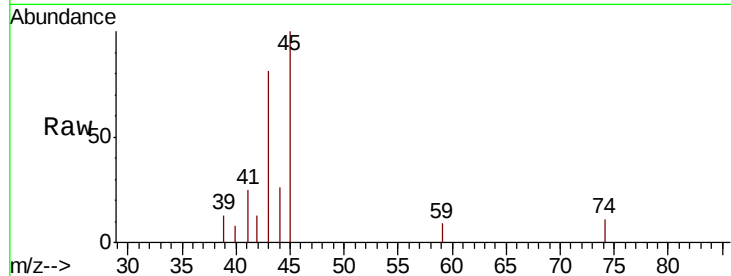




#15  
Methvl Acetate  
Concen: 0.668 ug/L  
RT: 2.98 min Scan# 509  
Delta R.T. 0.00 min  
Lab File: VU040157.D  
Acq: 16 Sep 2020 18:47

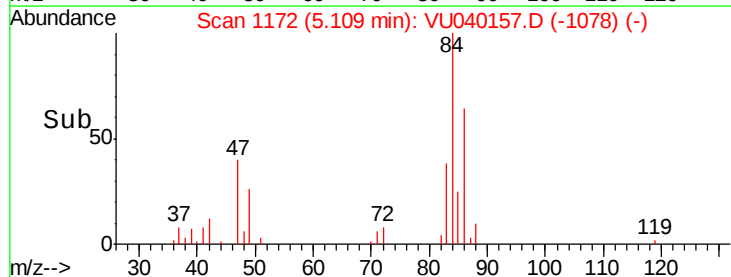
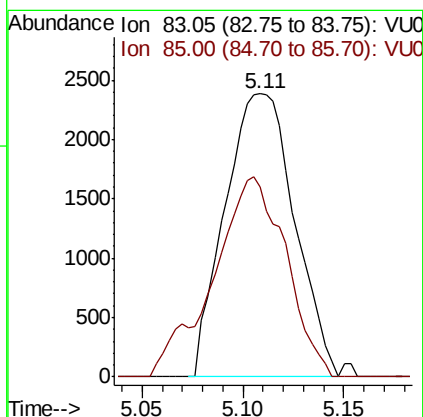
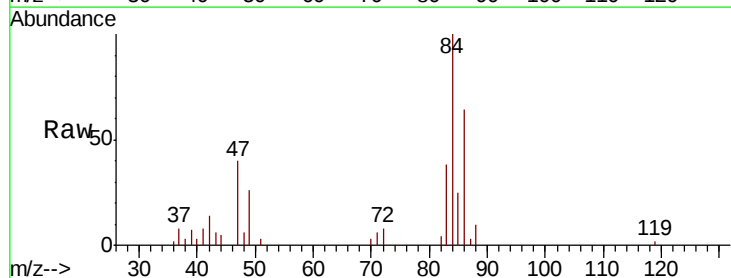
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AD7

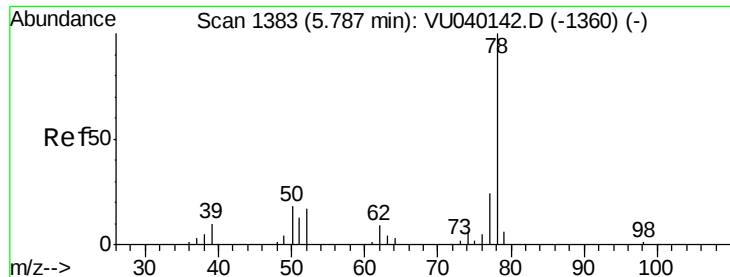
Tot Ion: 43 Resp: 3505  
Ion Ratio Lower Upper  
43 100  
74 11.2 17.4 26.0#



#25  
Chloroform  
Concen: 0.315 ug/L  
RT: 5.11 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: VU040157.D  
Acq: 16 Sep 2020 18:47

Tgt Ion: 83 Resp: 5719  
Ion Ratio Lower Upper  
83 100  
85 67.0 45.3 84.1





#33

Benzene

Concen: 0.061 ug/L

RT: 5.79 min Scan# 1385

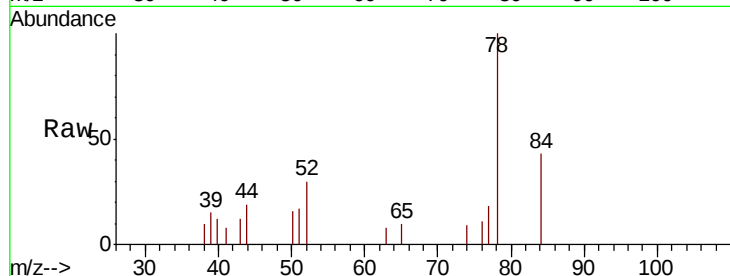
Delta R.T. 0.01 min

Lab File: VU040157.D

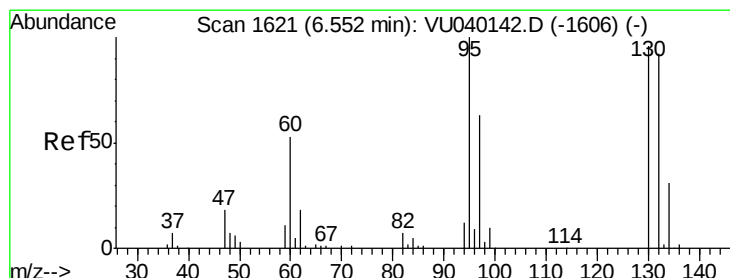
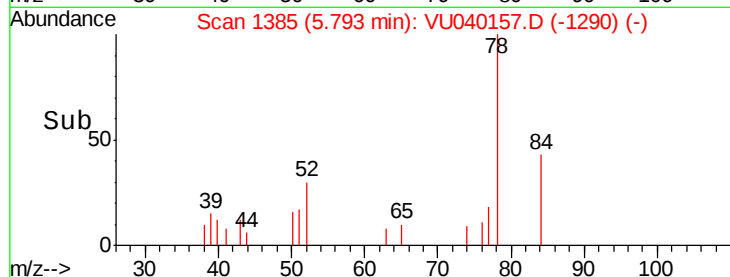
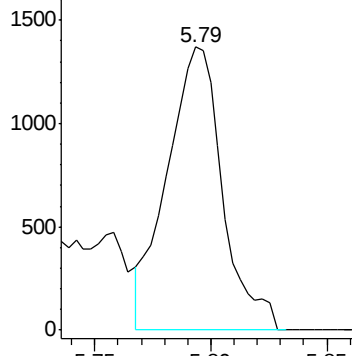
Acq: 16 Sep 2020 18:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AD7

Tgt Ion: 78 Resp: 2285



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.201 ug/L

RT: 6.26 min Scan# 1531

Delta R.T. -0.29 min

Lab File: VU040157.D

Acq: 16 Sep 2020 18:47

Tgt Ion: 95 Resp: 2017

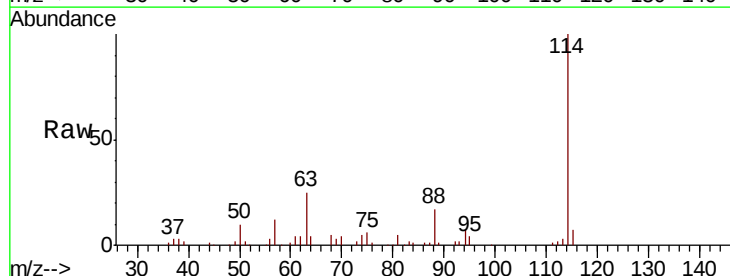
Ion Ratio Lower Upper

95 100

97 0.0 43.3 80.5#

132 0.0 59.4 110.4#

130 0.0 64.8 120.4#

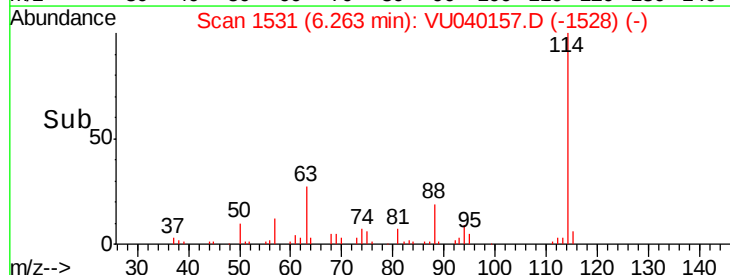
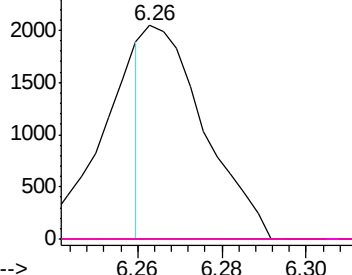


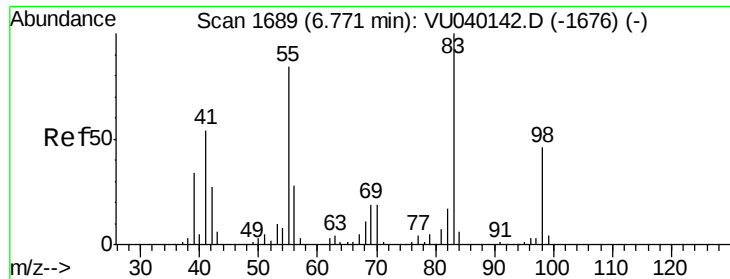
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

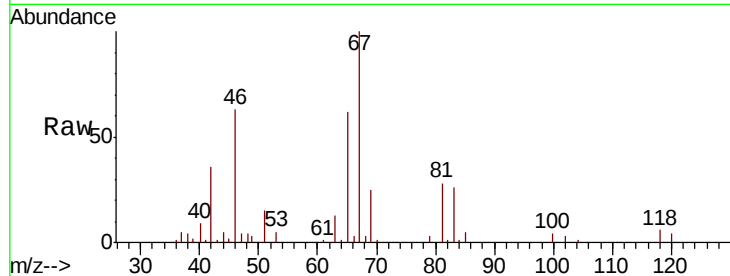




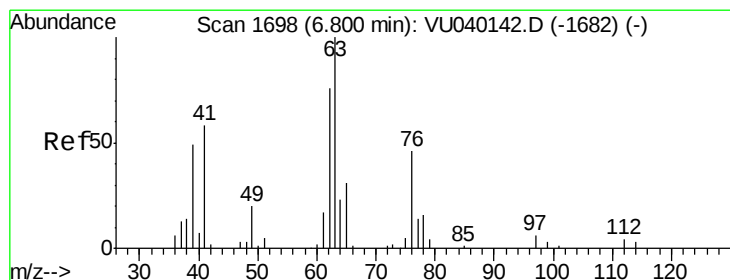
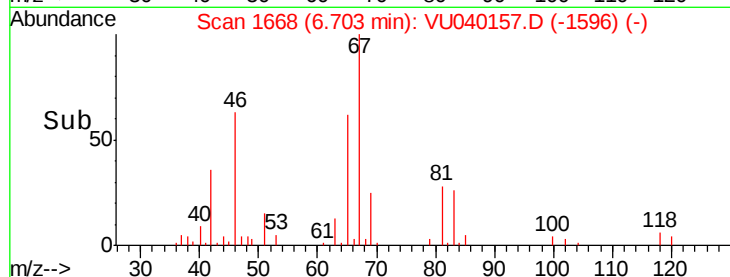
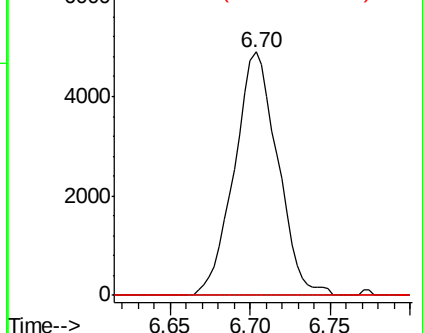
#35  
Methvlcvclohexane  
Concen: 0.589 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040157.D  
Acq: 16 Sep 2020 18:47

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AD7

Tot Ion: 83 Resp: 9032  
Ion Ratio Lower Upper  
83 100  
55 0.0 70.5 105.7#  
98 0.2 37.8 56.6#

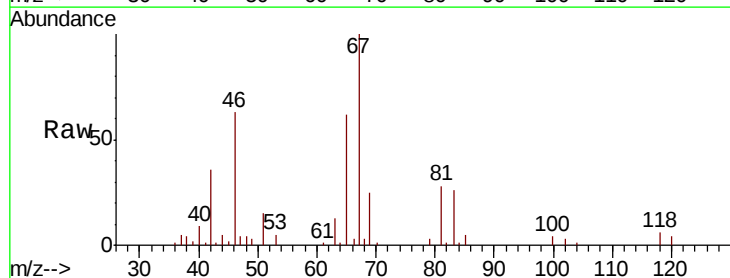


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

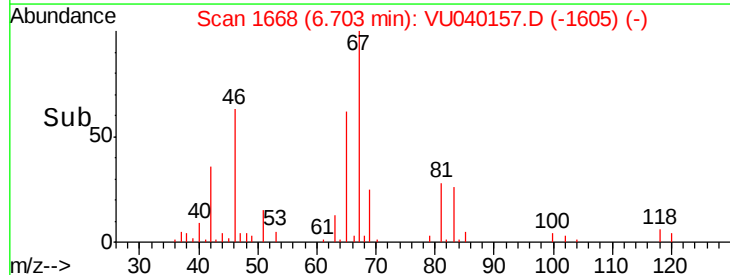
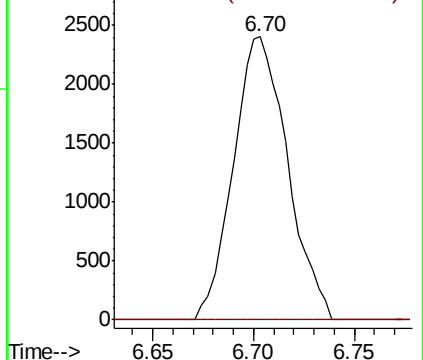


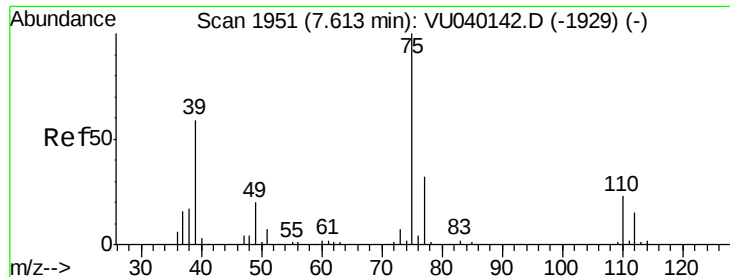
#37  
1,2-Dichloropropane  
Concen: 0.446 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU040157.D  
Acq: 16 Sep 2020 18:47

Tgt Ion: 63 Resp: 4509  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V

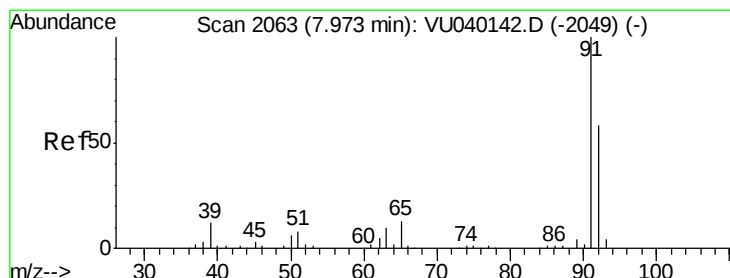
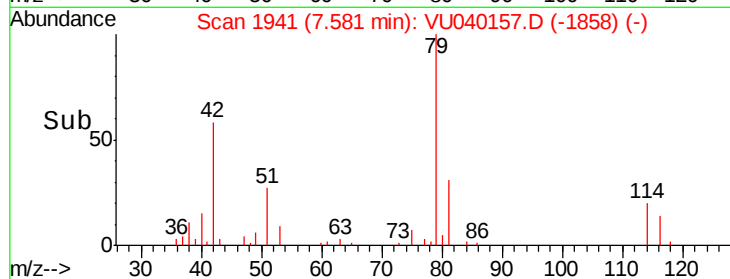
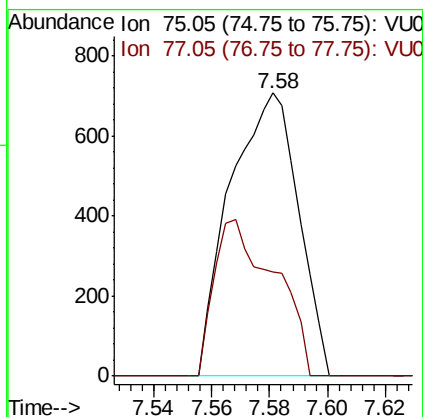
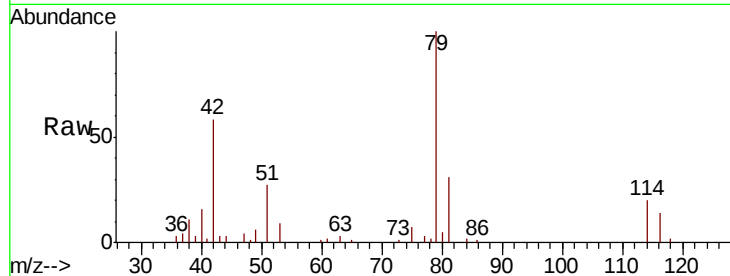




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.077 ug/L  
 RT: 7.58 min Scan# 1941  
 Delta R.T. -0.03 min  
 Lab File: VU040157.D  
 Acq: 16 Sep 2020 18:47

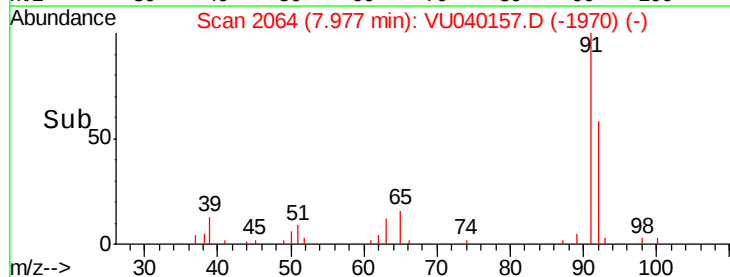
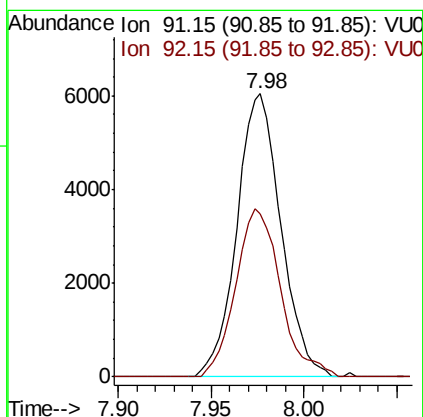
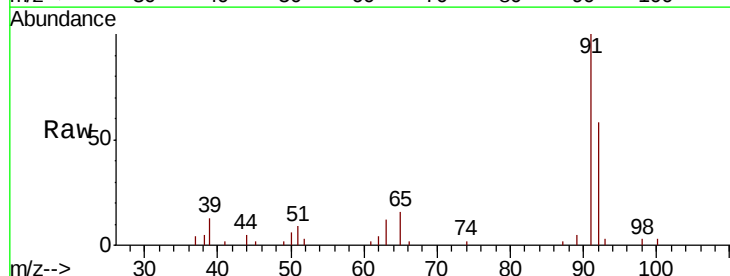
Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 C0AD7

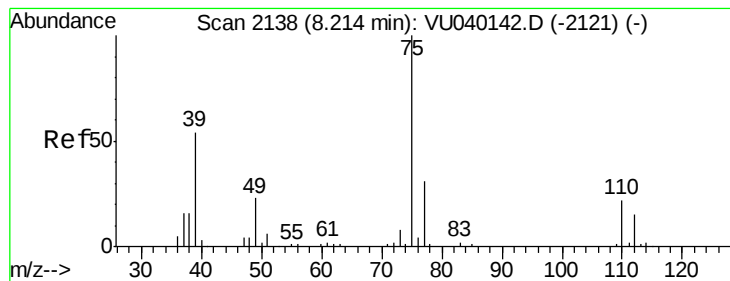
Tot Ion: 75 Resp: 1155  
 Ion Ratio Lower Upper  
 75 100  
 77 36.6 21.1 39.3



#42  
 Toluene  
 Concen: 0.260 ug/L  
 RT: 7.98 min Scan# 2064  
 Delta R.T. 0.00 min  
 Lab File: VU040157.D  
 Acq: 16 Sep 2020 18:47

Tgt Ion: 91 Resp: 10002  
 Ion Ratio Lower Upper  
 91 100  
 92 57.5 40.7 75.5





#44

trans-1,3-Dichloropropene

Concen: 0.048 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040157.D

Acq: 16 Sep 2020 18:47

Instrument :

MSVOA\_U

ClientSampleId :

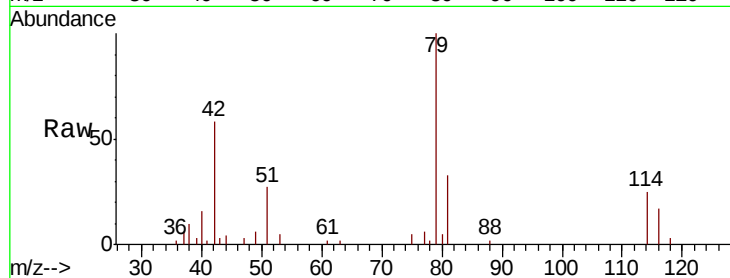
C0AD7

Tot Ion: 75 Resp: 670

Ion Ratio Lower Upper

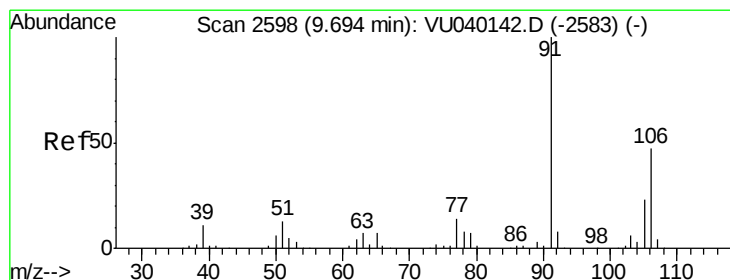
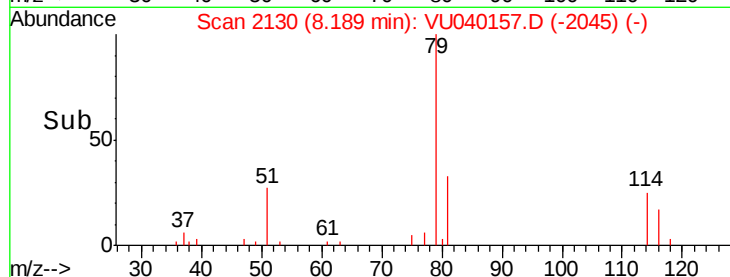
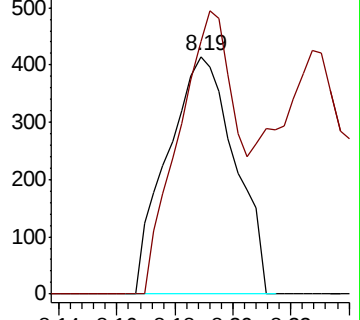
75 100

77 106.5 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040157.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU040157.D (-2045) (-)



#53

m,p-Xylene

Concen: 0.115 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040157.D

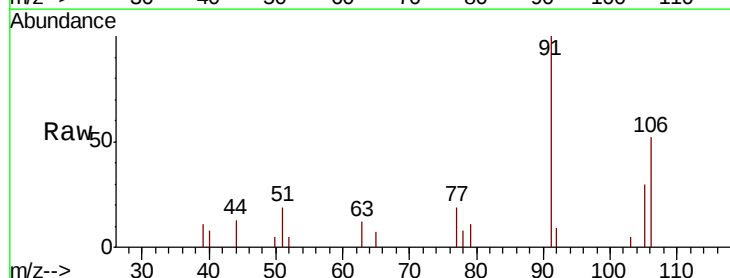
Acq: 16 Sep 2020 18:47

Tgt Ion: 106 Resp: 1792

Ion Ratio Lower Upper

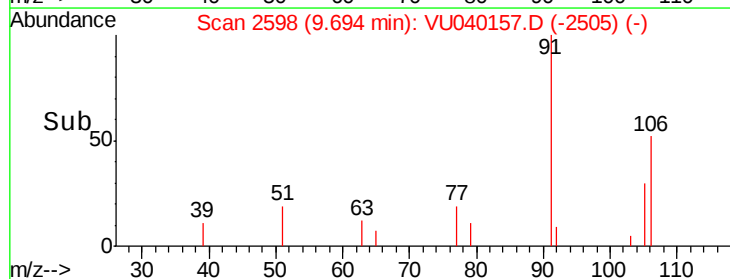
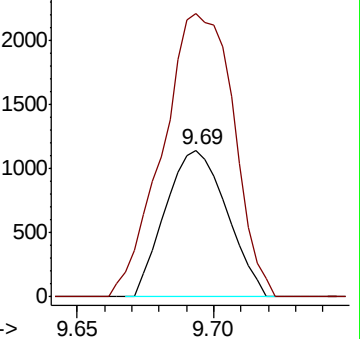
106 100

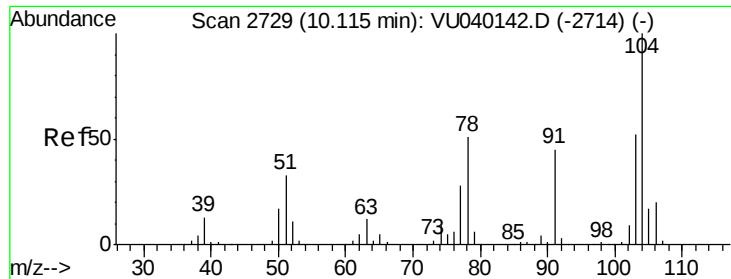
91 192.6 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040157.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VU040157.D (-2505) (-)





#55

Stvrene

Concen: 0.258 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU040157.D

Acq: 16 Sep 2020 18:47

Instrument :

MSVOA\_U

ClientSampleId :

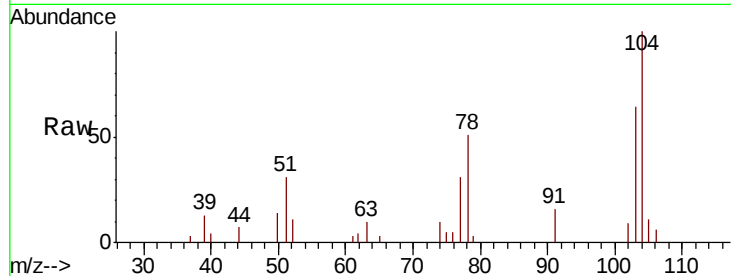
C0AD7

Tot Ion:104 Resp: 6660

Ion Ratio Lower Upper

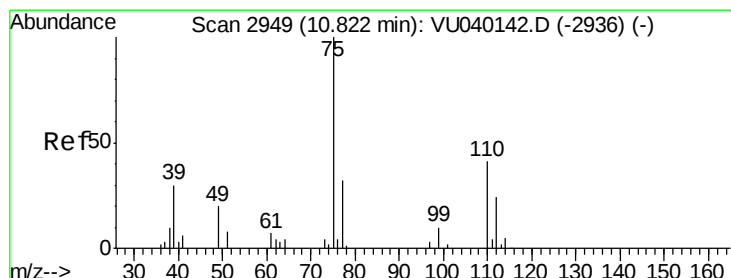
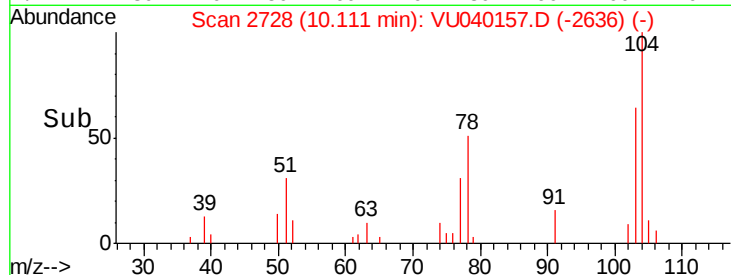
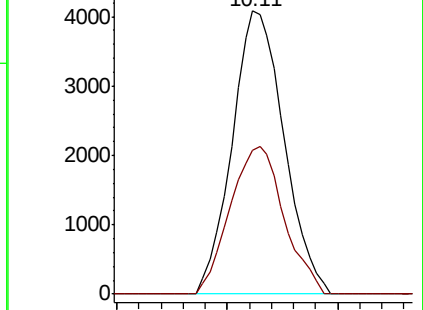
104 100

78 50.7 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): VU040142.D (-2714) (-)

Ion 78.10 (77.80 to 78.80): VU040142.D (-2714) (-)



#59

1,2,3-Trichloropropane

Concen: 0.975 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040157.D

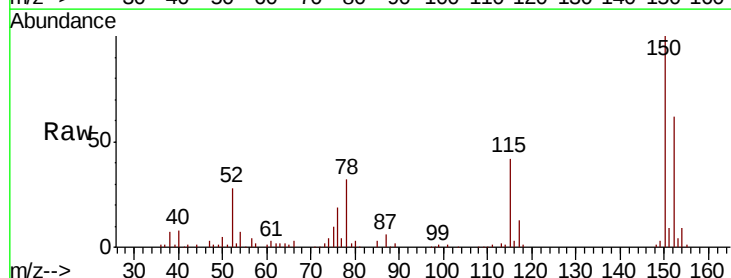
Acq: 16 Sep 2020 18:47

Tgt Ion: 75 Resp: 7301

Ion Ratio Lower Upper

75 100

77 35.2 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040142.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040142.D (-2936) (-)

