

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\  
 Data File : VU041645.D  
 Acq On : 15 Dec 2020 18:43  
 Operator : SY/MD  
 Sample : L5027-08DL 10X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB1H9DL

Quant Time: Dec 16 04:36:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Dec 16 04:34:43 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 114434   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 116651   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 48974    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 27068    | 3.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 60.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 28865    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 47022    | 2.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 57.00%# |
| 20) 2-Butanone-d5              | 4.67   | 46    | 138314   | 53.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.64% |
| 24) Chloroform-d               | 5.08   | 84    | 70831    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 44963    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.40% |
| 32) Benzene-d6                 | 5.74   | 84    | 137492   | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 46451    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 88.80%  |
| 41) Toluene-d8                 | 7.91   | 98    | 114607   | 3.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.00%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 19001    | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 109286   | 42.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.90%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 47745    | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 46669    | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.20% |

## Target Compounds

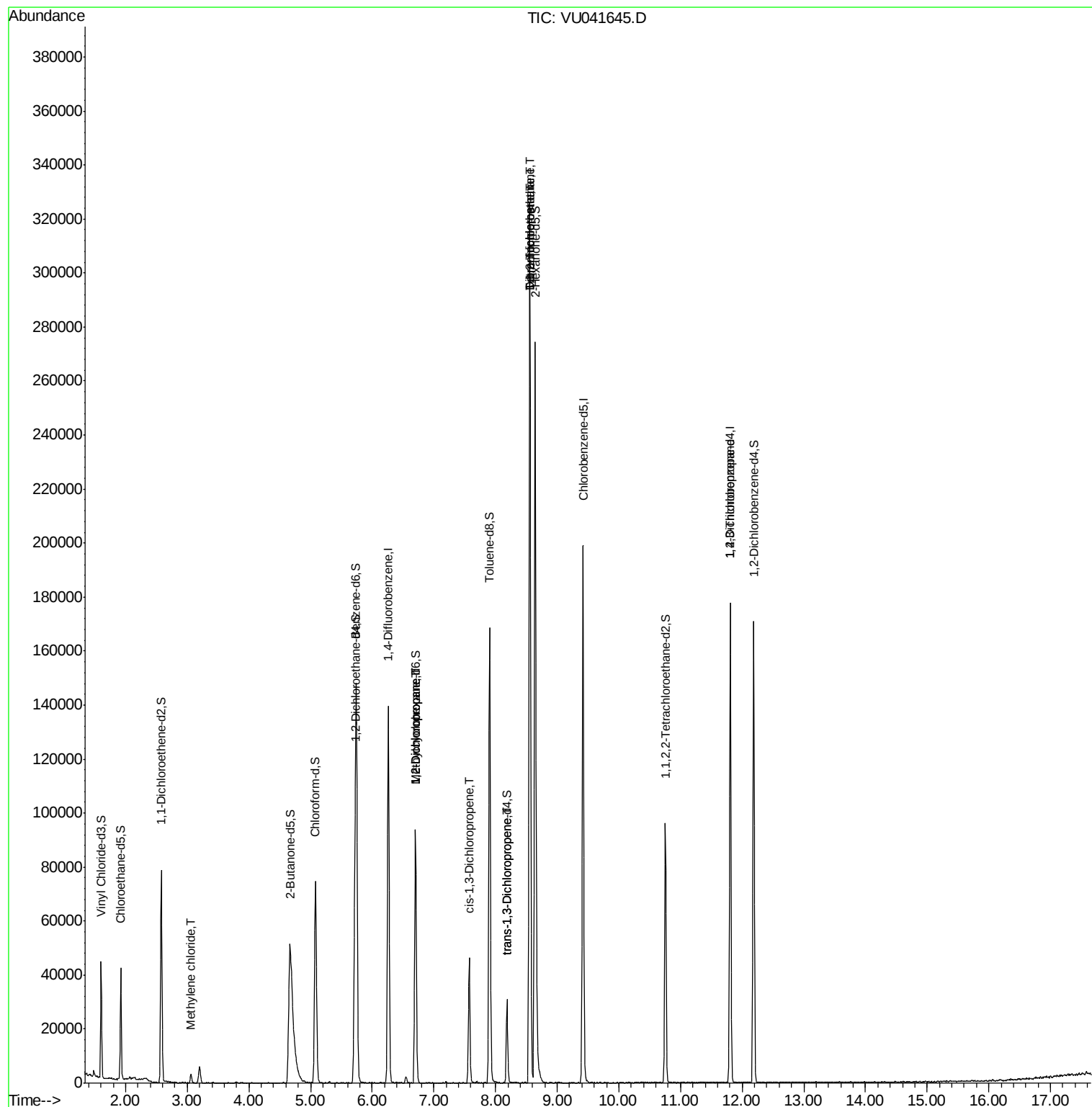
| Target Compounds              | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------------|-------|------|----------|--------|--------|--------|
| 16) Methylene chloride        | 3.06  | 84   | 1673     | 0.180  | ug/L   | 91     |
| 35) Methylcyclohexane         | 6.70  | 83   | 10489    | 0.692  | ug/L # | 19     |
| 37) 1,2-Dichloropropane       | 6.70  | 63   | 4942     | 0.518  | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.58  | 75   | 1092     | 0.077  | ug/L # | 51     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75   | 726      | 0.057  | ug/L # | 64     |
| 45) 1,1,2-Trichloroethane     | 8.55  | 97   | 477      | 0.068  | ug/L # | 1      |
| 47) Tetrachloroethene         | 8.56  | 164  | 72453    | 11.040 | ug/L   | 98     |
| 49) Dibromochloromethane      | 8.56  | 129  | 70815    | 8.736  | ug/L # | 10     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75   | 5545     | 0.774  | ug/L   | 97     |

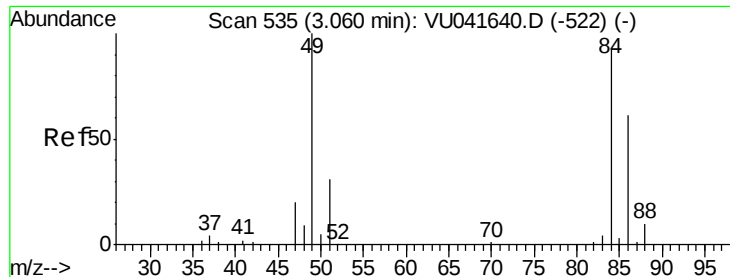
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GB1H9DL

Quant Time: Dec 16 04:36:50 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Dec 16 04:34:43 2020  
Response via : Initial Calibration

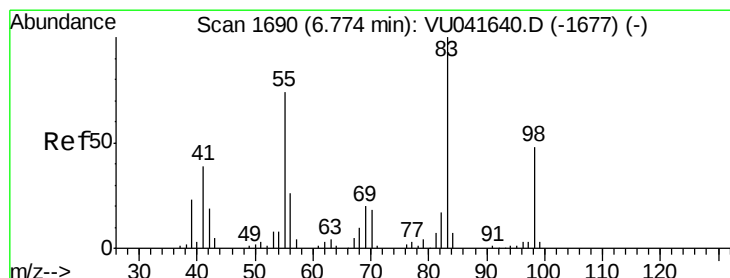
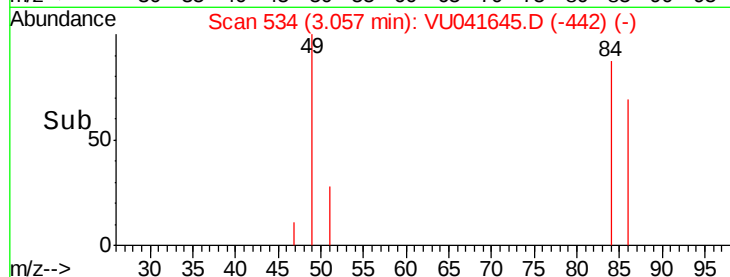
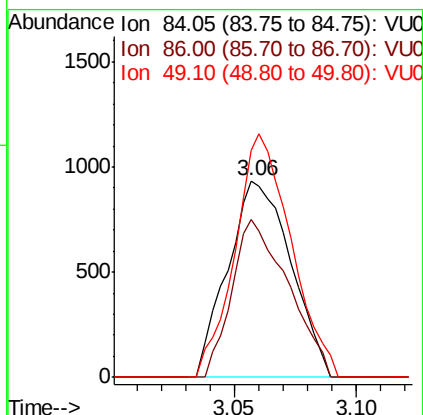
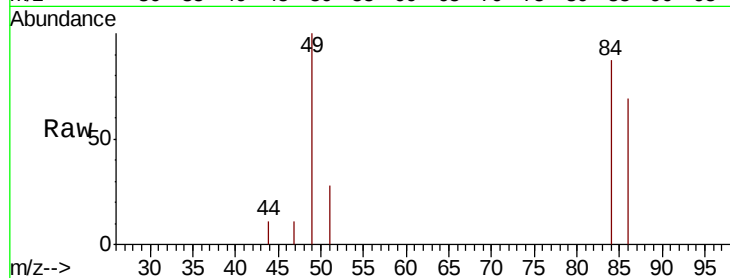




#16  
Methylene chloride  
Concen: 0.180 ug/L  
RT: 3.06 min Scan# 534  
Delta R.T. -0.00 min  
Lab File: VU041645.D  
Acq: 15 Dec 2020 18:43

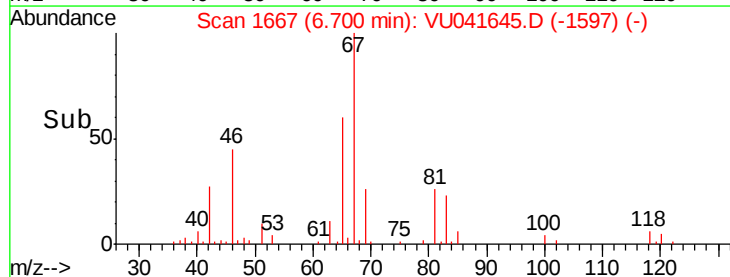
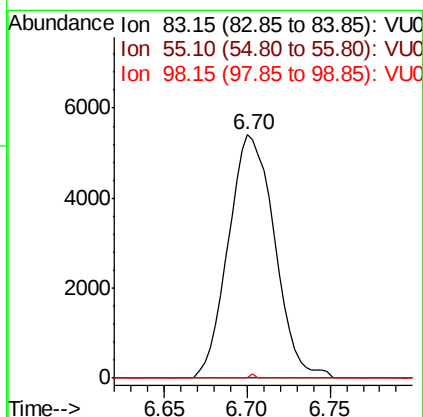
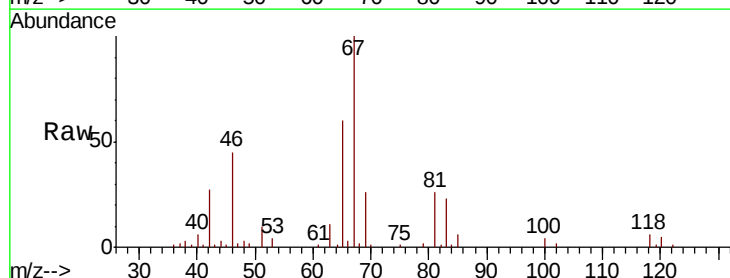
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB1H9DL

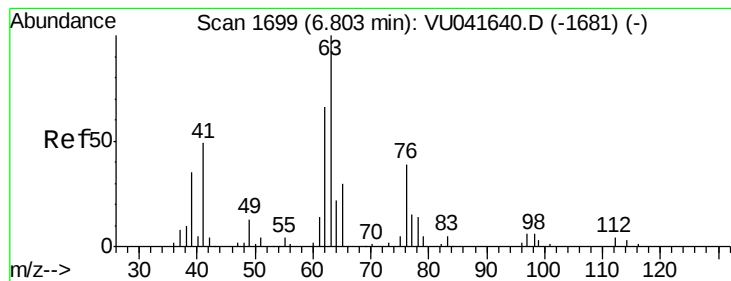
Tot Ion: 84 Resp: 1673  
Ion Ratio Lower Upper  
84 100  
86 80.0 45.1 83.7  
49 115.3 83.1 154.3



#35  
Methylcyclohexane  
Concen: 0.692 ug/L  
RT: 6.70 min Scan# 1667  
Delta R.T. -0.07 min  
Lab File: VU041645.D  
Acq: 15 Dec 2020 18:43

Tgt Ion: 83 Resp: 10489  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.2 91.8#  
98 0.2 36.6 54.8#





#37

1,2-Dichloropropane

Concen: 0.518 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041645.D

Acq: 15 Dec 2020 18:43

Instrument :

MSVOA\_U

ClientSampleId :

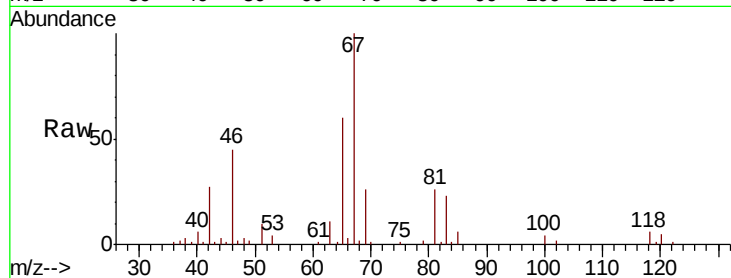
GB1H9DL

Tot Ion: 63 Resp: 4942

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041640.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041640.D (-1681) (-)

6.70

2500

2000

1500

1000

500

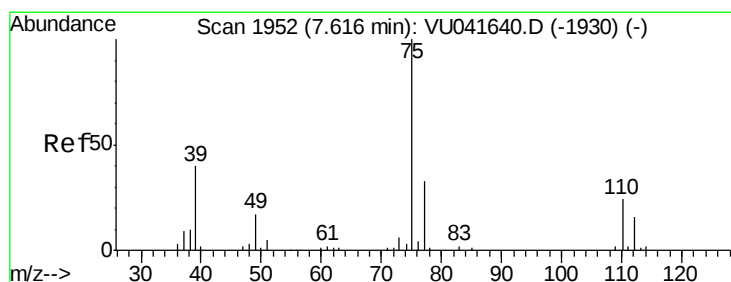
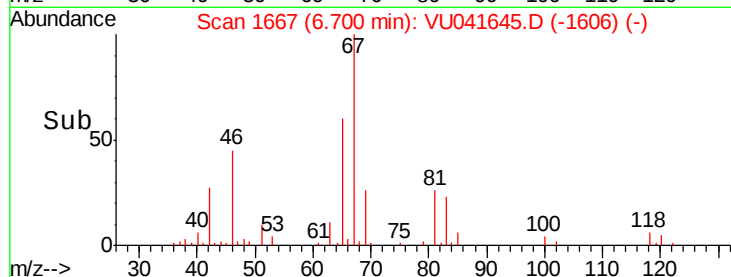
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041645.D

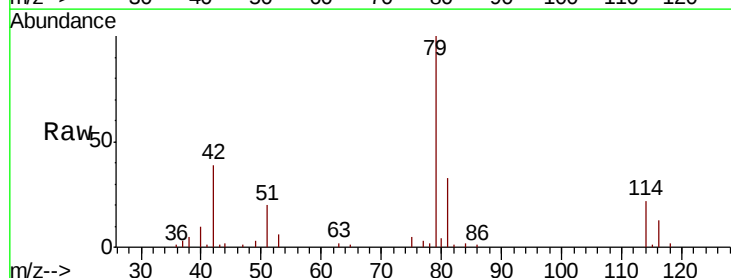
Acq: 15 Dec 2020 18:43

Tgt Ion: 75 Resp: 1092

Ion Ratio Lower Upper

75 100

77 58.9 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041640.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU041640.D (-1930) (-)

7.58

800

600

400

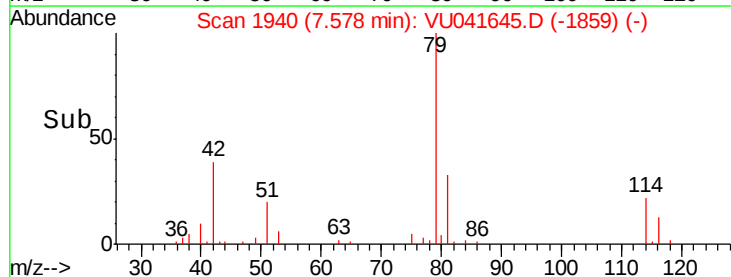
200

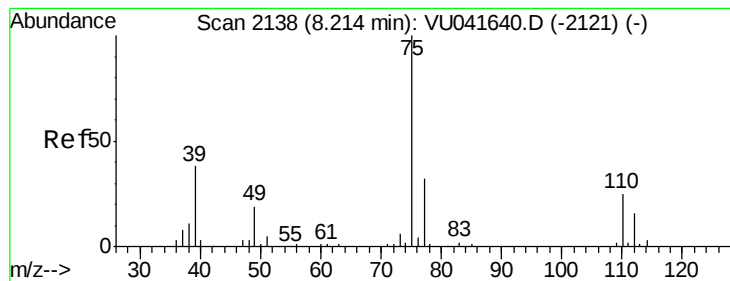
0

7.55

7.60

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041645.D

Acq: 15 Dec 2020 18:43

Instrument :

MSVOA\_U

ClientSampleId :

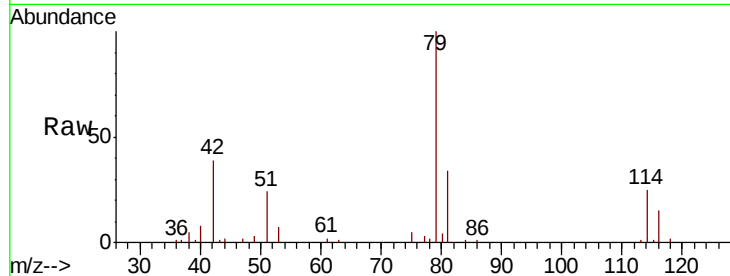
GB1H9DL

Tot Ion: 75 Resp: 726

Ion Ratio Lower Upper

75 100

77 54.9 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

600

500

400

300

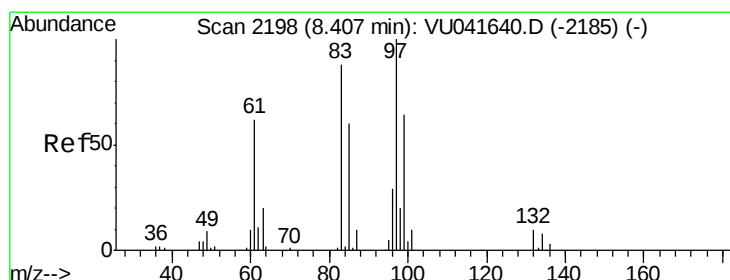
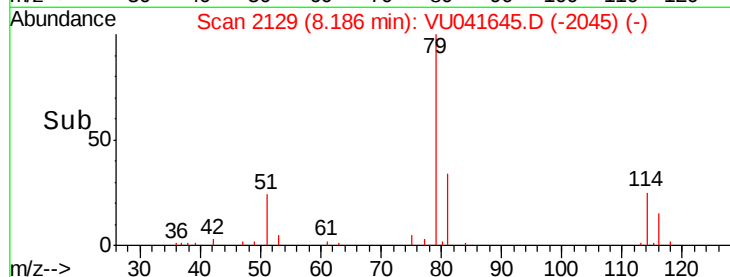
200

100

0

8.16 8.18 8.20 8.22

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.068 ug/L

RT: 8.55 min Scan# 2242

Delta R.T. 0.14 min

Lab File: VU041645.D

Acq: 15 Dec 2020 18:43

Tgt Ion: 97 Resp: 477

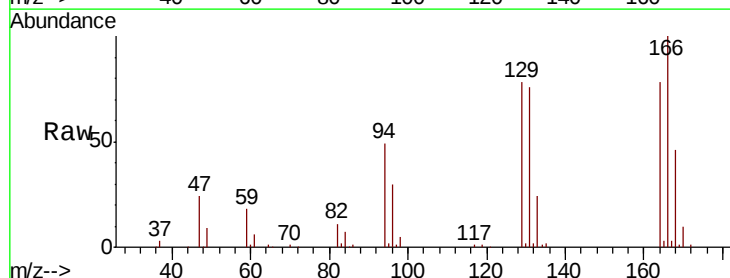
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.3#

83 268.5 62.6 116.2#

85 36.7 39.1 72.7#



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

1500

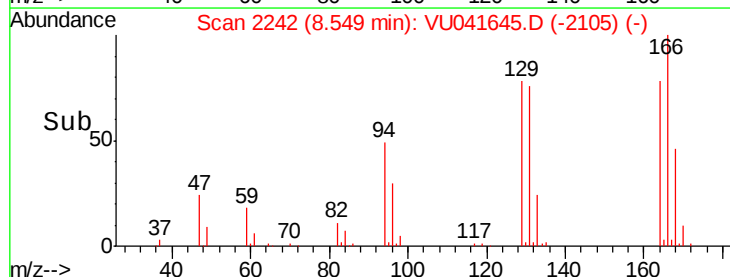
1000

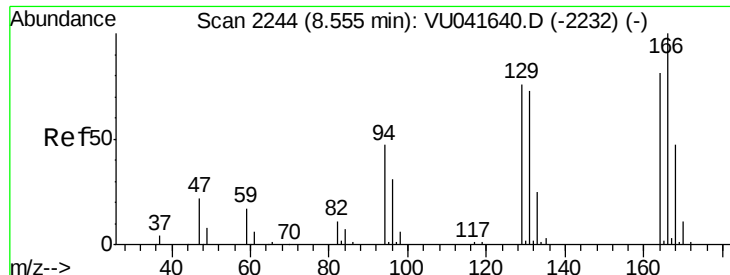
500

0

8.52 8.54 8.56 8.58

Time-->

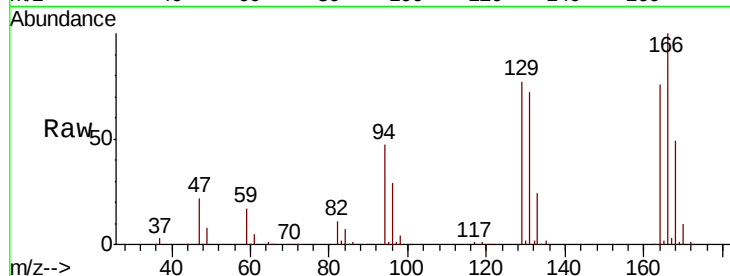




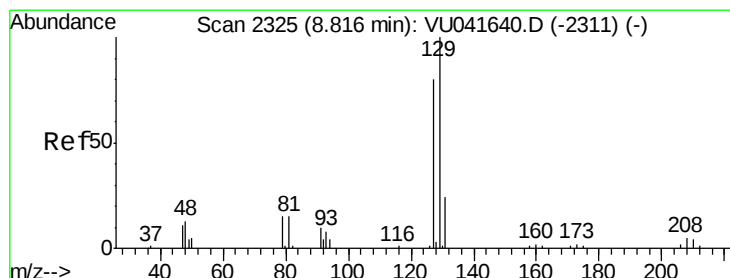
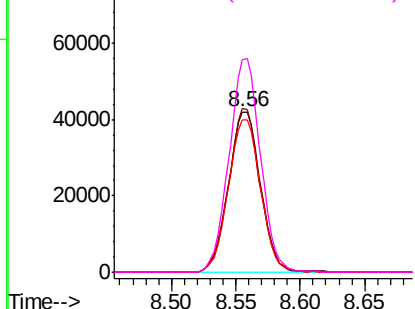
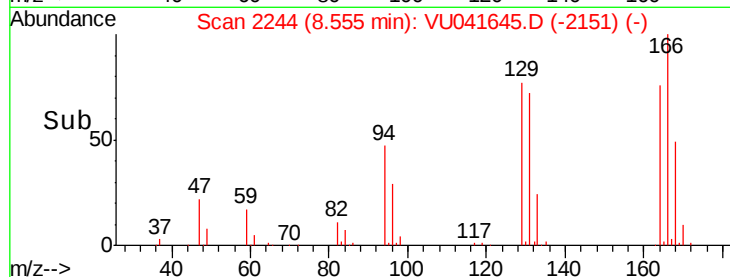
#47  
Tetrachloroethene  
Concen: 11.040 ug/L  
RT: 8.56 min Scan# 2244  
Delta R.T. 0.00 min  
Lab File: VU041645.D  
Acq: 15 Dec 2020 18:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
GB1H9DL

Tot Ion:164 Resp: 72453  
Ion Ratio Lower Upper  
164 100  
129 101.8 72.2 134.0  
131 94.8 66.9 124.3  
166 132.3 89.6 166.4

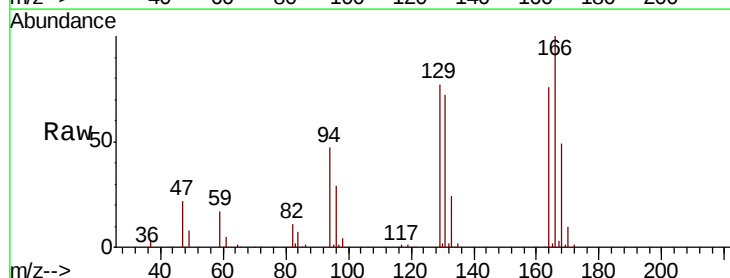


Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V

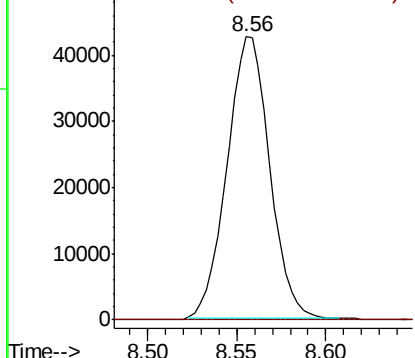
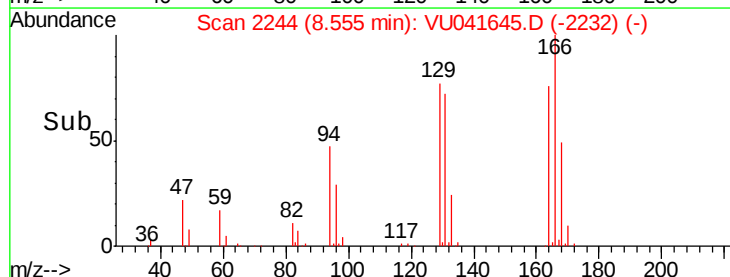


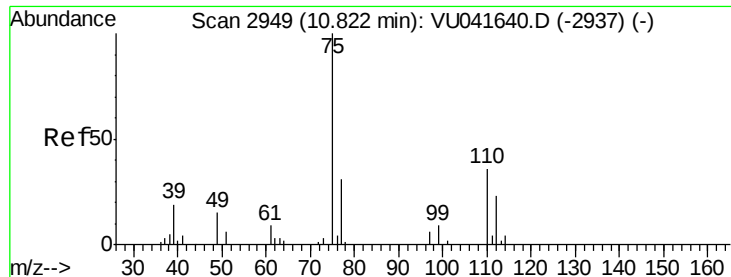
#49  
Dibromochloromethane  
Concen: 8.736 ug/L  
RT: 8.56 min Scan# 2244  
Delta R.T. -0.26 min  
Lab File: VU041645.D  
Acq: 15 Dec 2020 18:43

Tgt Ion:129 Resp: 70815  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V  
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.774 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041645.D

Acq: 15 Dec 2020 18:43

Instrument :

MSVOA\_U

ClientSampleId :

GB1H9DL

Tot Ion: 75 Resp: 5545

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

