

Data File : VU035489.D  
Acq On : 25 Oct 2019 16:18  
Operator : JC/SP  
Sample : K5509-10  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Quant Time: Oct 26 04:10:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102519WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 26 04:07:11 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 197378   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 222178   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.85 | 152  | 78044    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 138828   | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 105.80% |
| 7) Chloroethane-d5             | 1.93   | 69    | 116565   | 5.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 109.40% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 170323   | 3.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 79.20%  |
| 20) 2-Butanone-d5              | 4.70   | 46    | 277138   | 53.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.68% |
| 24) Chloroform-d               | 5.11   | 84    | 201058   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.80% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 109883   | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.60% |
| 32) Benzene-d6                 | 5.77   | 84    | 409198   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.20% |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 137857   | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 108.20% |
| 41) Toluene-d8                 | 7.93   | 98    | 340359   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.20%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 50647    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 102.20% |
| 46) 2-Hexanone-d5              | 8.70   | 63    | 202929   | 52.97    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.94% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 105217   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.23  | 152   | 93279    | 5.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 118.40% |

#### Target Compounds

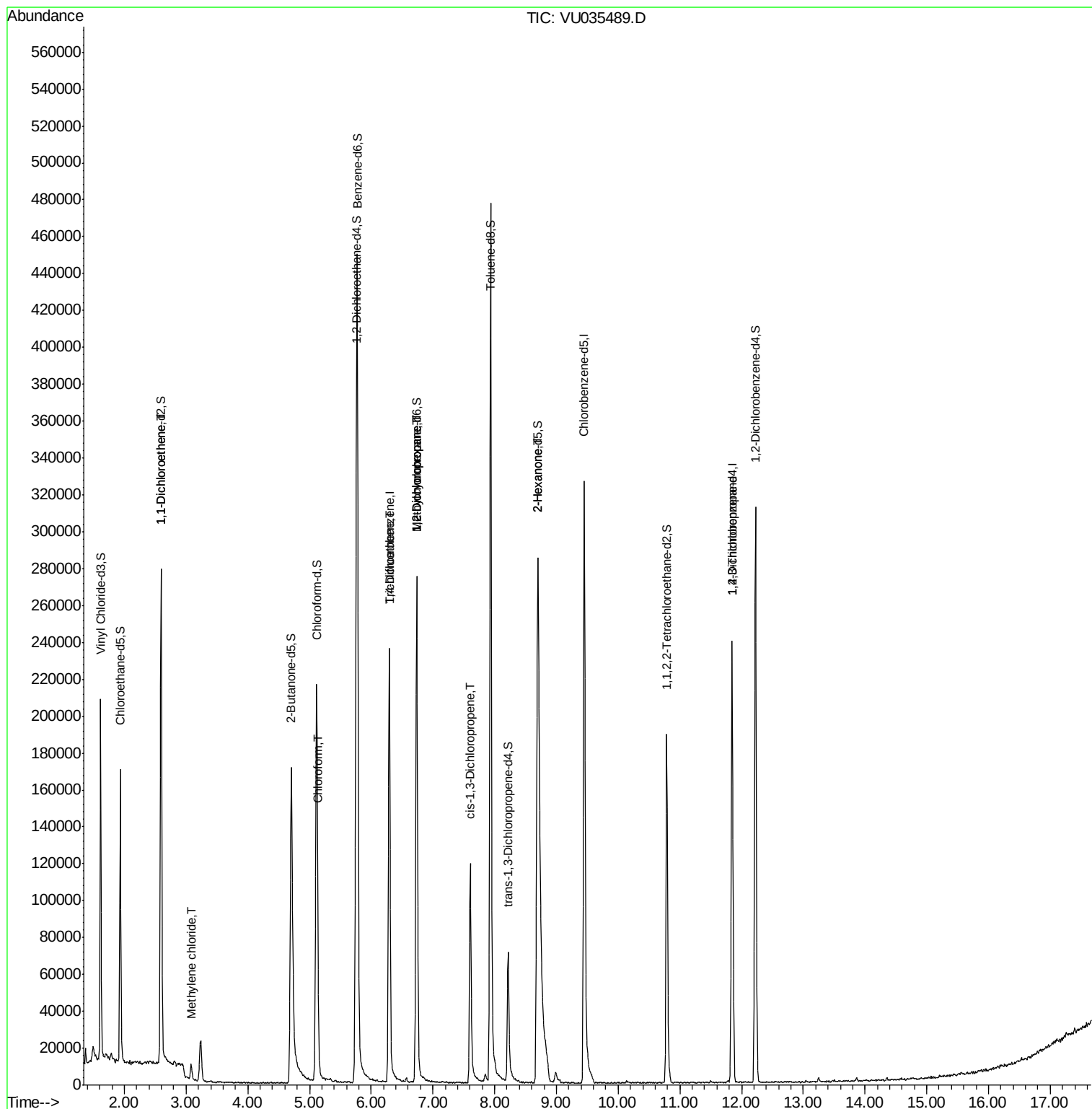
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96 | 1291  | 0.069 ug/L # | 1      |
| 16) Methylene chloride      | 3.09  | 84 | 3859  | 0.159 ug/L   | 79     |
| 25) Chloroform              | 5.14  | 83 | 12840 | 0.300 ug/L   | 99     |
| 34) Trichloroethene         | 6.30  | 95 | 3701  | 0.170 ug/L # | 5      |
| 35) Methylcyclohexane       | 6.74  | 83 | 32045 | 0.952 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 14761 | 0.631 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.61  | 75 | 3544  | 0.109 ug/L # | 51     |
| 48) 2-Hexanone              | 8.70  | 43 | 18599 | 1.998 ug/L # | 65     |
| 59) 1,2,3-Trichloropropane  | 11.85 | 75 | 10627 | 0.709 ug/L   | 100    |

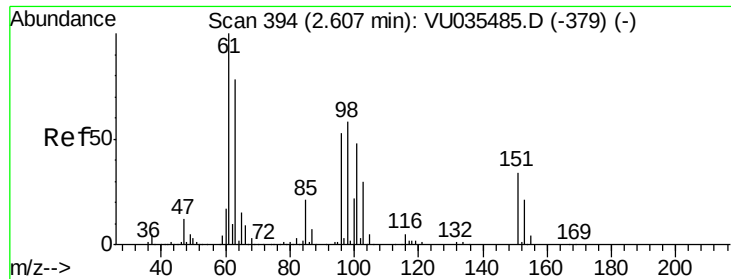
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035489.D  
Acq On : 25 Oct 2019 16:18  
Operator : JC/SP  
Sample : K5509-10  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Quant Time: Oct 26 04:10:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102519WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 26 04:07:11 2019  
Response via : Initial Calibration

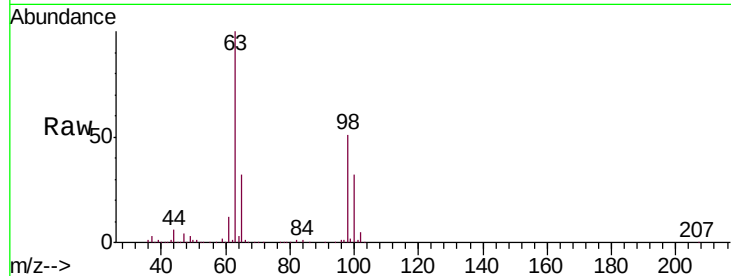




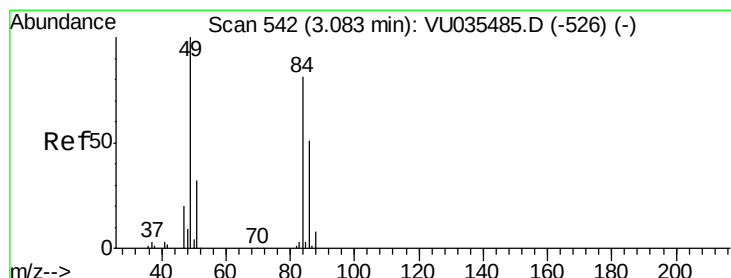
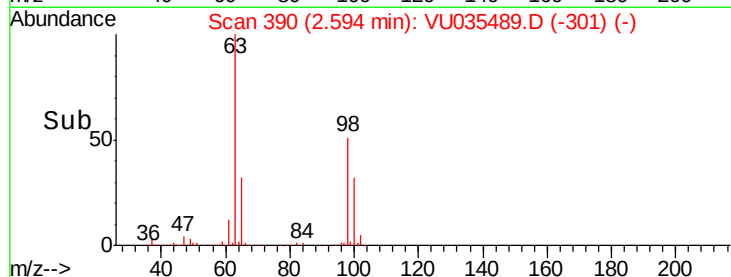
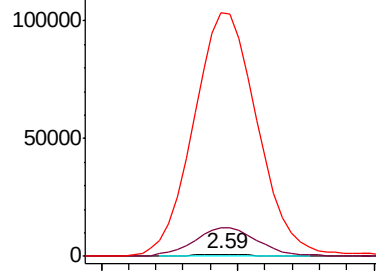
#12  
 1,1-Dichloroethene  
 Concen: 0.069 ug/L  
 RT: 2.59 min Scan# 390  
 Delta R.T. -0.01 min  
 Lab File: VU035489.D  
 Acq: 25 Oct 2019 16:18

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Tgt Ion: 96 Resp: 1291  
 Ion Ratio Lower Upper  
 96 100  
 61 1522.6 131.9 244.9#  
 63 12812.9 97.0 180.2#

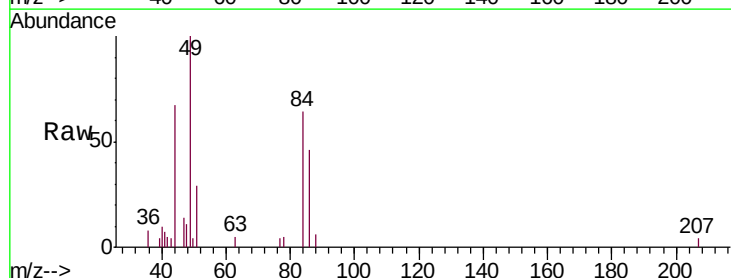


Abundance Ion 96.00 (95.70 to 96.70): VU0  
 Ion 61.05 (60.75 to 61.75): VU0  
 Ion 63.00 (62.70 to 63.70): VU0

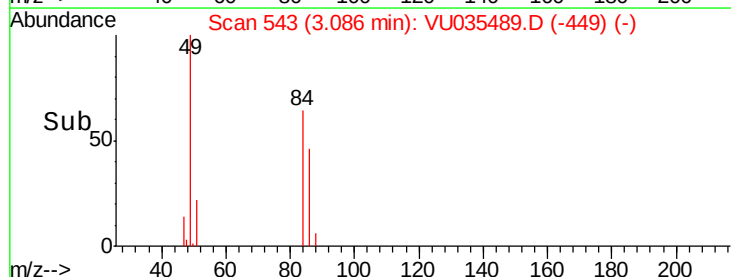
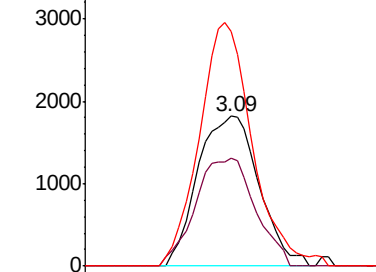


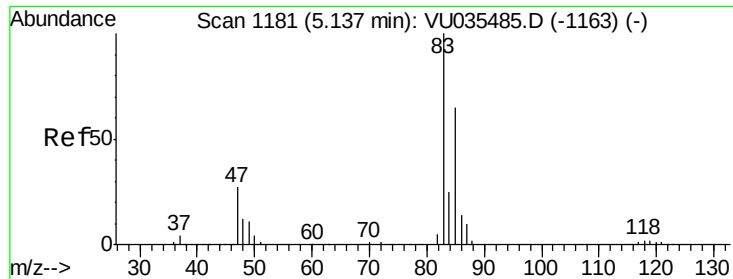
#16  
 Methylene chloride  
 Concen: 0.159 ug/L  
 RT: 3.09 min Scan# 543  
 Delta R.T. 0.00 min  
 Lab File: VU035489.D  
 Acq: 25 Oct 2019 16:18

Tgt Ion: 84 Resp: 3859  
 Ion Ratio Lower Upper  
 84 100  
 86 71.8 43.7 81.1  
 49 156.6 89.5 166.3



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

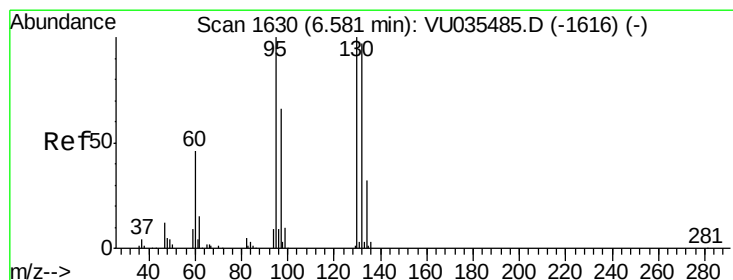
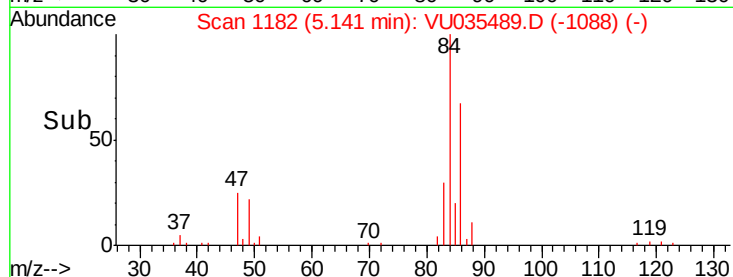
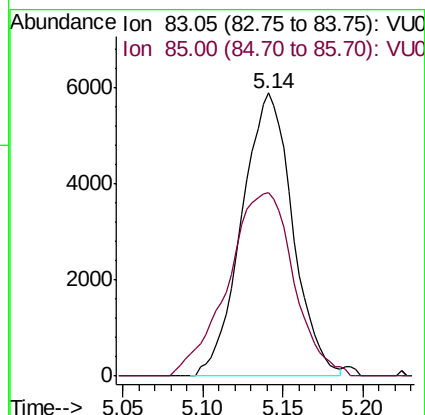
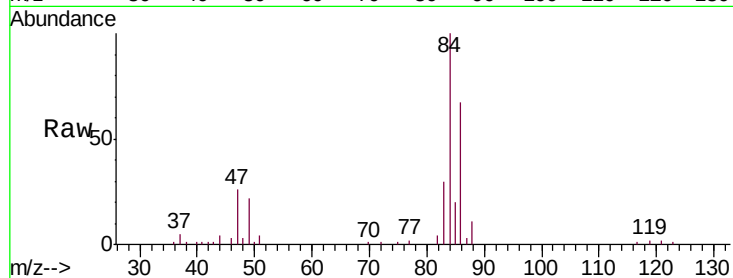




#25  
Chloroform  
Concen: 0.300 ug/L  
RT: 5.14 min Scan# 1182  
Delta R.T. 0.00 min  
Lab File: VU035489.D  
Acq: 25 Oct 2019 16:18

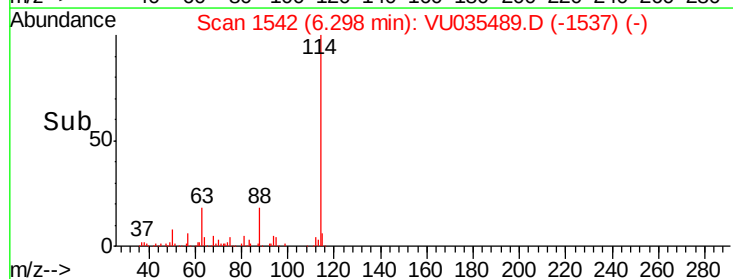
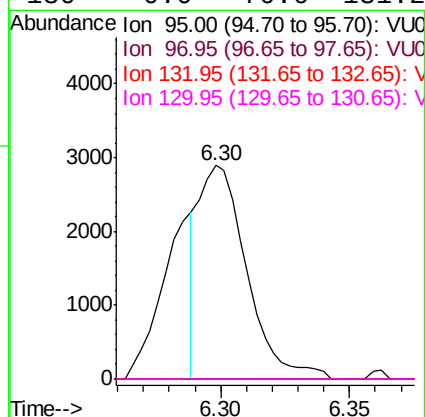
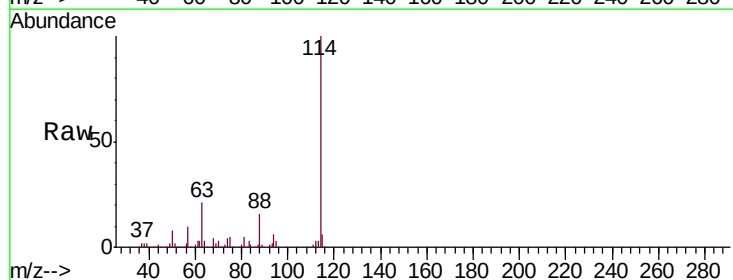
Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

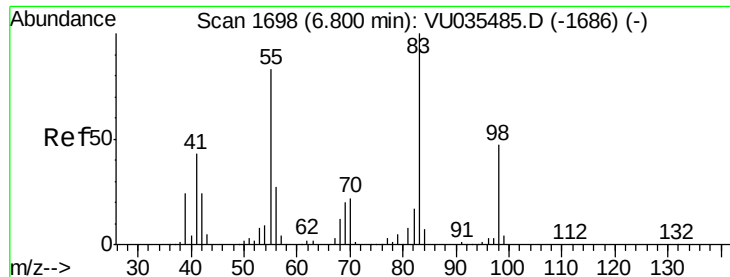
Tgt Ion: 83 Resp: 12840  
Ion Ratio Lower Upper  
83 100  
85 64.8 45.7 84.9



#34  
Trichloroethene  
Concen: 0.170 ug/L  
RT: 6.30 min Scan# 1542  
Delta R.T. -0.28 min  
Lab File: VU035489.D  
Acq: 25 Oct 2019 16:18

Tgt Ion: 95 Resp: 3701  
Ion Ratio Lower Upper  
95 100  
97 0.0 43.8 81.4#  
132 0.0 67.3 124.9#  
130 0.0 70.6 131.2#

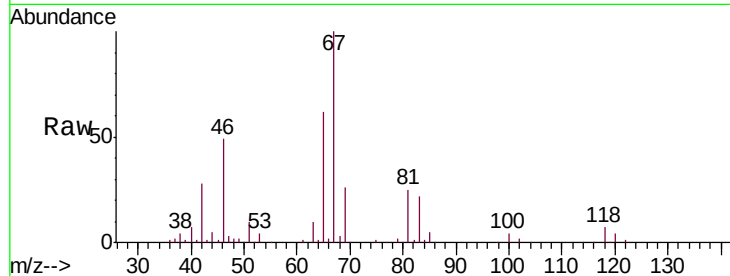




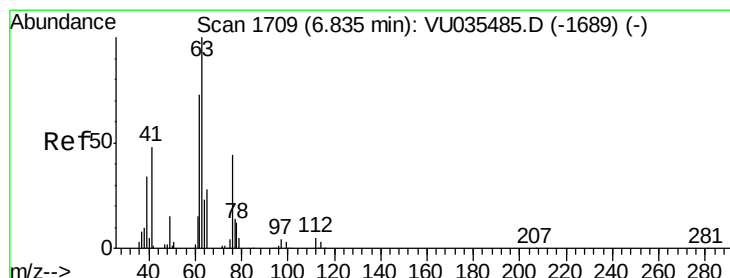
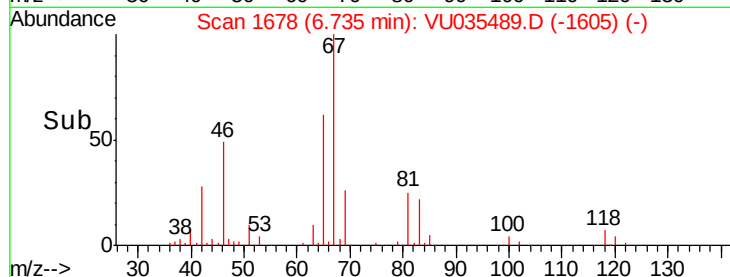
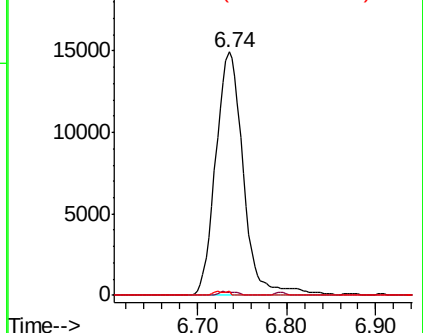
#35  
Methylcyclohexane  
Concen: 0.952 ug/L  
RT: 6.74 min Scan# 1678  
Delta R.T. -0.06 min  
Lab File: VU035489.D  
Acq: 25 Oct 2019 16:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Tgt Ion: 83 Resp: 32045  
Ion Ratio Lower Upper  
83 100  
55 0.6 67.3 100.9#  
98 0.8 39.0 58.6#

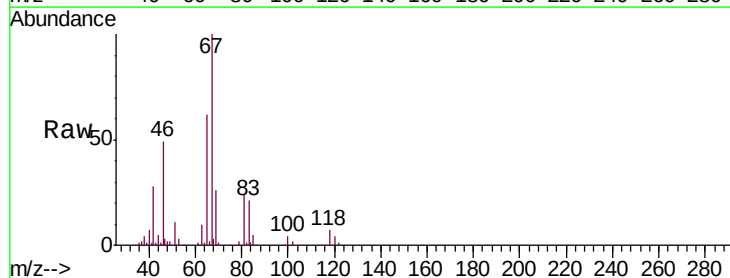


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

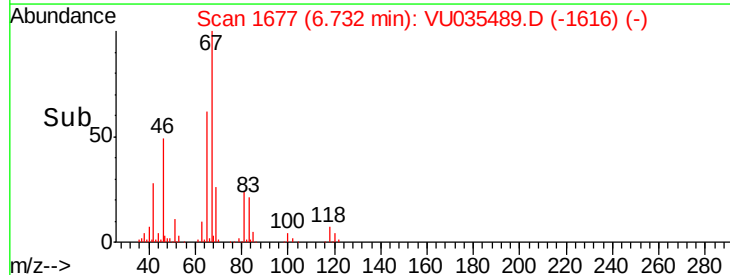
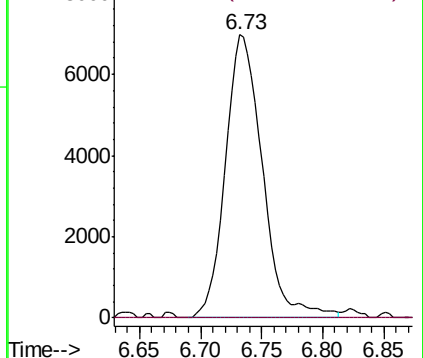


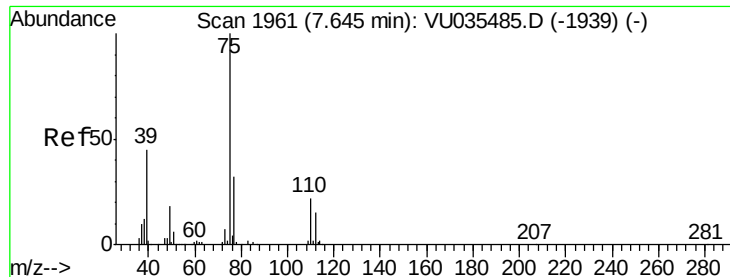
#37  
1,2-Dichloropropane  
Concen: 0.631 ug/L  
RT: 6.73 min Scan# 1677  
Delta R.T. -0.10 min  
Lab File: VU035489.D  
Acq: 25 Oct 2019 16:18

Tgt Ion: 63 Resp: 14761  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.6 5.4#



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: 0.109 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035489.D

Acq: 25 Oct 2019 16:18

Instrument :

MSVOA\_U

ClientSampleId :

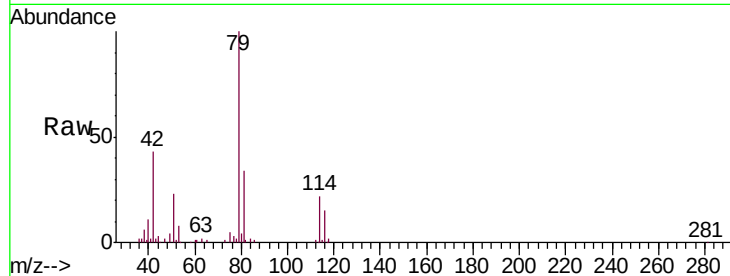
VHBLK01

Tgt Ion: 75 Resp: 3544

Ion Ratio Lower Upper

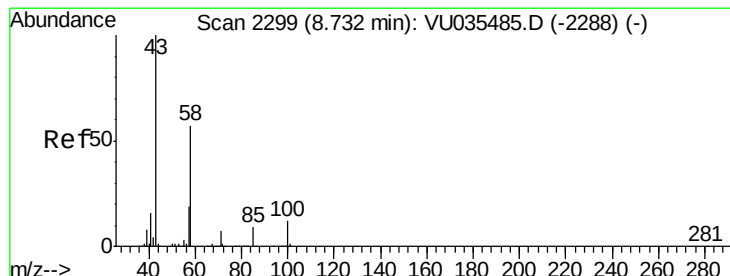
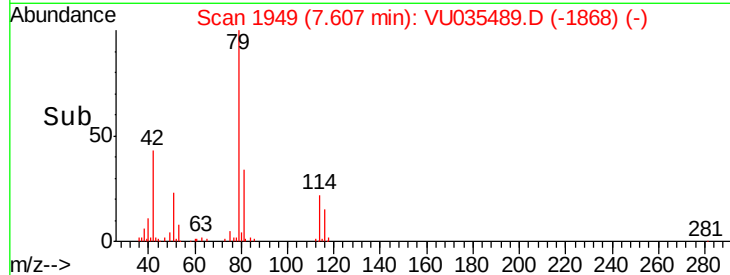
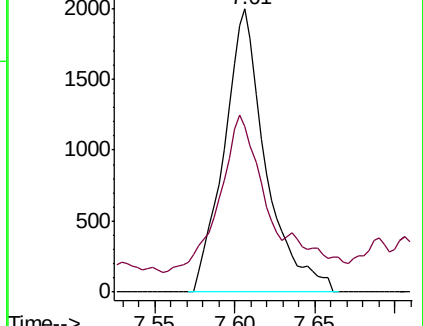
75 100

77 58.5 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 1.998 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. -0.04 min

Lab File: VU035489.D

Acq: 25 Oct 2019 16:18

Tgt Ion: 43 Resp: 18599

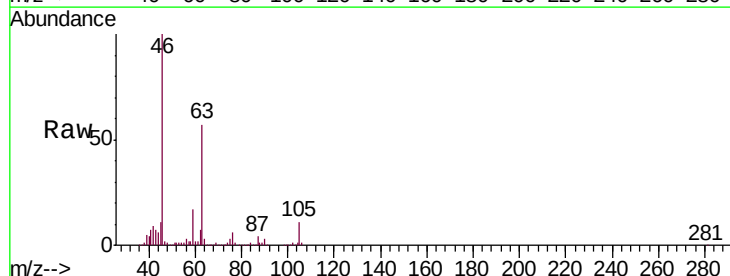
Ion Ratio Lower Upper

43 100

58 20.8 43.1 64.7#

57 20.8 14.2 21.2

100 0.7 9.0 13.4#

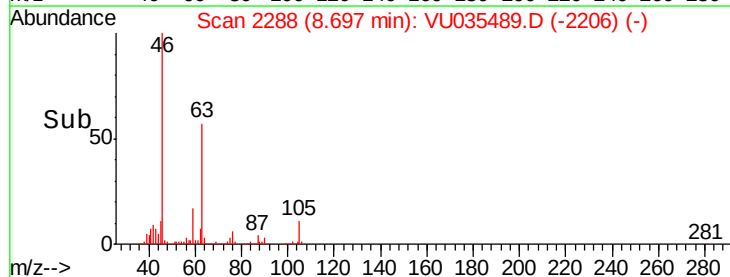
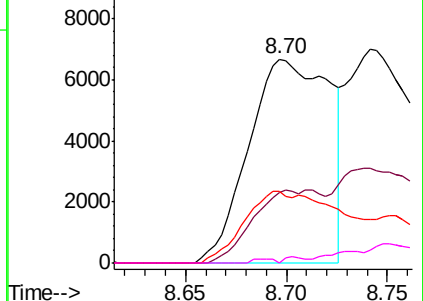


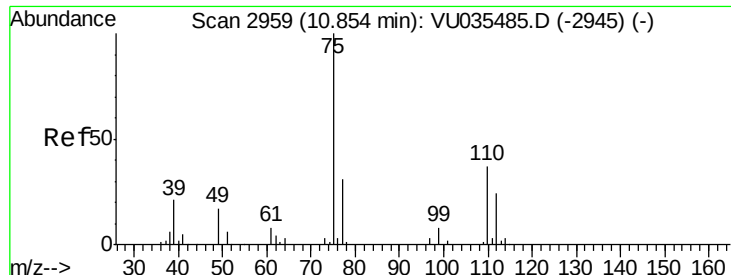
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#59

1,2,3-Trichloropropane

Concen: 0.709 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.99 min

Lab File: VU035489.D

Acq: 25 Oct 2019 16:18

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK01

Tgt Ion: 75 Resp: 10627

Ion Ratio Lower Upper

75 100

77 34.4 27.4 41.0

