

Data File : VU036048.D  
Acq On : 09 Dec 2019 15:35  
Operator : JC/MD  
Sample : K6105-05DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFE25DL

Quant Time: Dec 10 01:50:43 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Dec 10 01:47:47 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 270838   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 291078   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 89733    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 97746    | 4.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.00% |
| 7) Chloroethane-d5             | 1.93   | 69    | 110451   | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.20% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 144858   | 3.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.60% |
| 20) 2-Butanone-d5              | 4.69   | 46    | 172602   | 41.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 83.92% |
| 24) Chloroform-d               | 5.11   | 84    | 164258   | 4.19     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.80% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 84226    | 4.15     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.00% |
| 32) Benzene-d6                 | 5.77   | 84    | 323631   | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.80% |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 96845    | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.20% |
| 41) Toluene-d8                 | 7.93   | 98    | 280068   | 4.12     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.40% |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 37987    | 4.10     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.00% |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 135388   | 40.40    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 80.80% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 82790    | 4.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 81.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 84835    | 4.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.20% |

#### Target Compounds

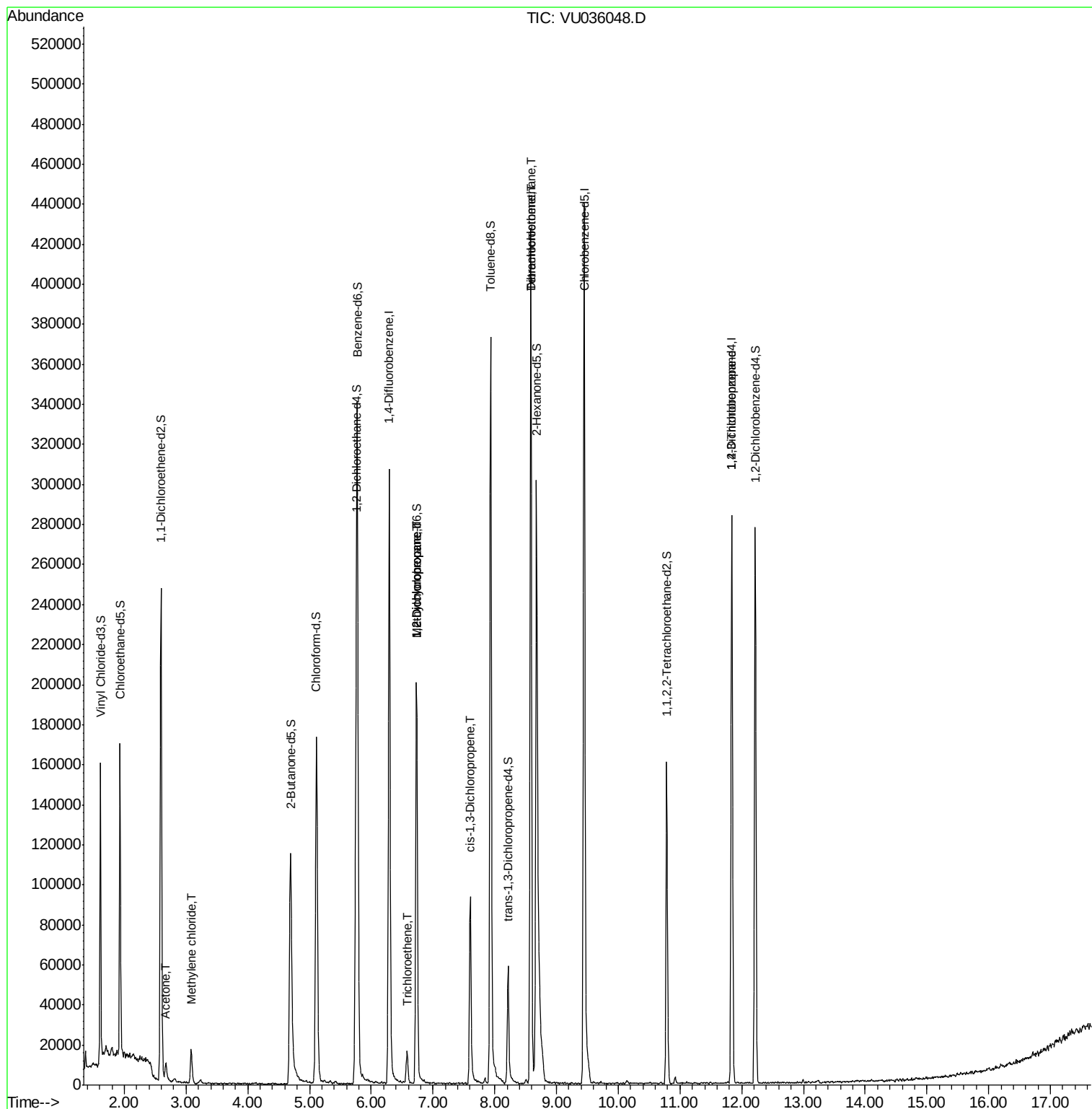
|                             |       |     |        |       | Qvalue    |
|-----------------------------|-------|-----|--------|-------|-----------|
| 13) Acetone                 | 2.67  | 43  | 10567  | 2.024 | ug/L 97   |
| 16) Methylene chloride      | 3.08  | 84  | 9424   | 0.344 | ug/L 89   |
| 34) Trichloroethene         | 6.58  | 95  | 5382   | 0.255 | ug/L 87   |
| 35) Methylcyclohexane       | 6.73  | 83  | 24083  | 0.850 | ug/L # 19 |
| 37) 1,2-Dichloropropane     | 6.73  | 63  | 10553  | 0.529 | ug/L # 87 |
| 39) cis-1,3-Dichloropropene | 7.60  | 75  | 2681   | 0.099 | ug/L # 56 |
| 47) Tetrachloroethene       | 8.58  | 164 | 103263 | 5.142 | ug/L 98   |
| 49) Dibromochloromethane    | 8.58  | 129 | 90917  | 4.360 | ug/L # 12 |
| 59) 1,2,3-Trichloropropane  | 11.84 | 75  | 9608   | 0.674 | ug/L # 82 |

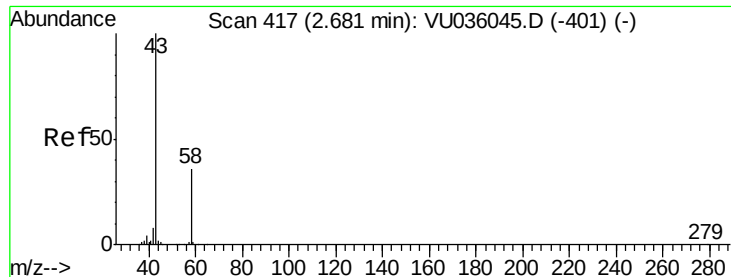
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.024 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

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Acq: 09 Dec 2019 15:35

Instrument :

MSVOA\_U

ClientSampleId :

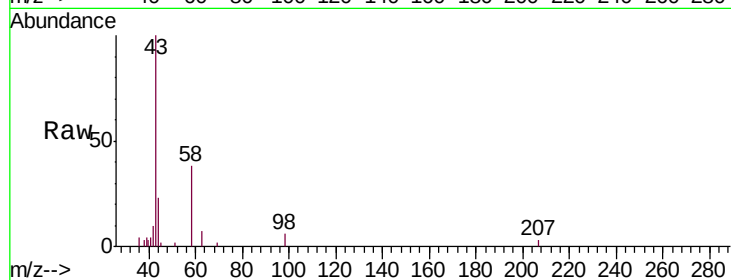
BFE25DL

Tgt Ion: 43 Resp: 10567

Ion Ratio Lower Upper

43 100

58 35.3 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036045.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036045.D (-401) (-)

6000

5000

4000

3000

2000

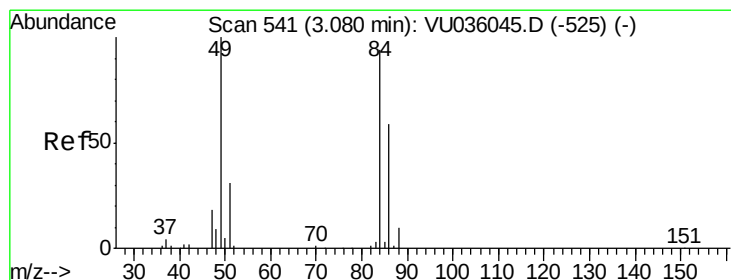
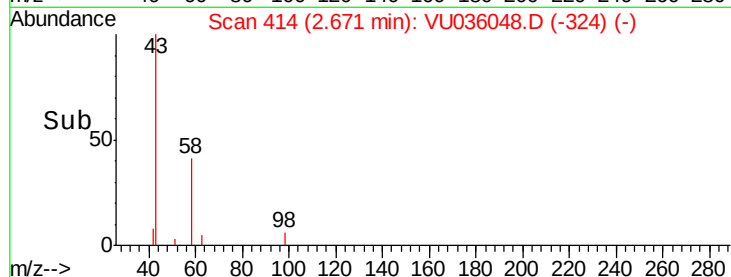
1000

0

Time-->

2.60 2.65 2.70 2.75

2.67



#16

Methylene chloride

Concen: 0.344 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036048.D

Acq: 09 Dec 2019 15:35

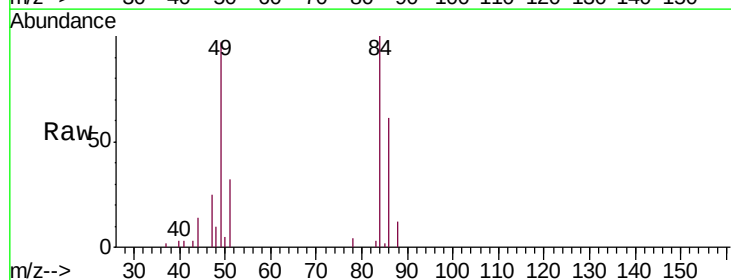
Tgt Ion: 84 Resp: 9424

Ion Ratio Lower Upper

84 100

86 61.2 47.5 88.3

49 96.5 76.9 142.9



Abundance Ion 84.05 (83.75 to 84.75): VU036045.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU036045.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU036045.D (-525) (-)

6000

5000

4000

3000

2000

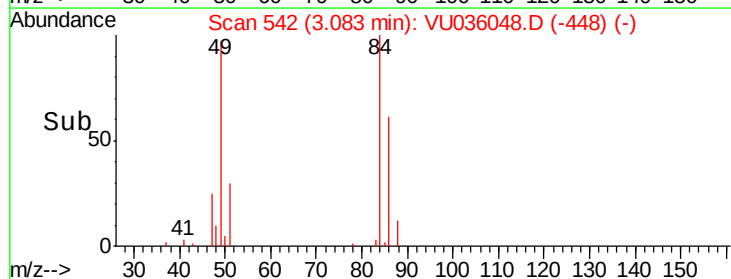
1000

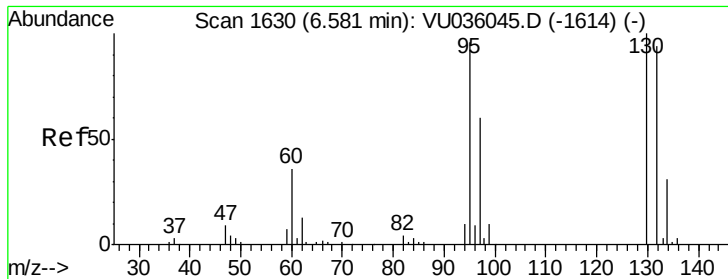
0

Time-->

3.00 3.05 3.10 3.15

3.08





#34

Trichloroethene

Concen: 0.255 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036048.D

Acq: 09 Dec 2019 15:35

Instrument :

MSVOA\_U

ClientSampleId :

BFE25DL

Tgt Ion: 95 Resp: 5382

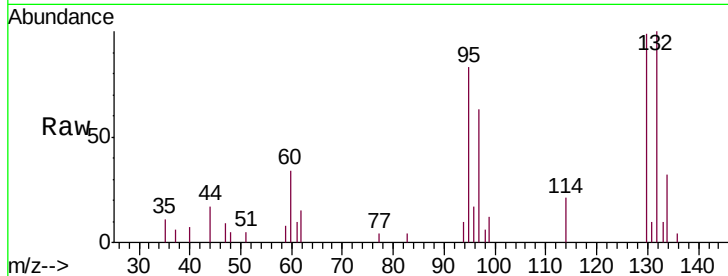
Ion Ratio Lower Upper

95 100

97 75.3 44.4 82.4

132 119.9 73.4 136.4

130 118.5 75.9 141.1

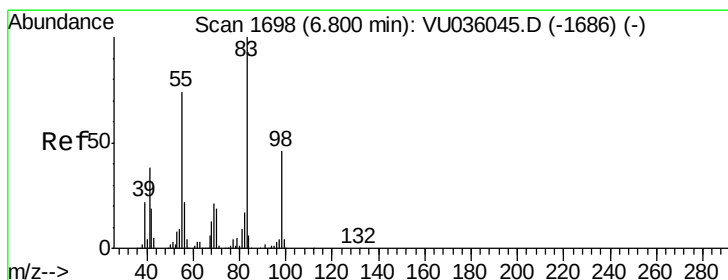
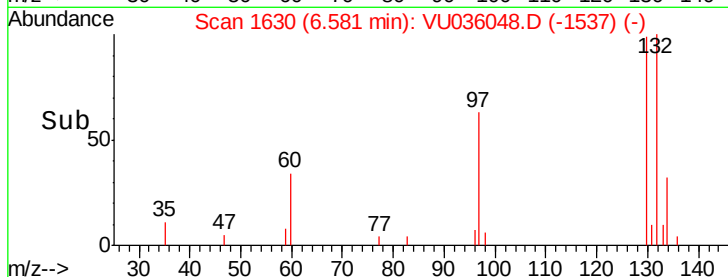
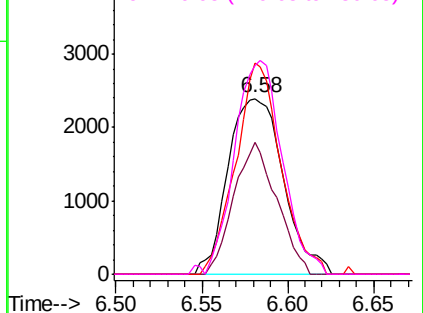


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.850 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036048.D

Acq: 09 Dec 2019 15:35

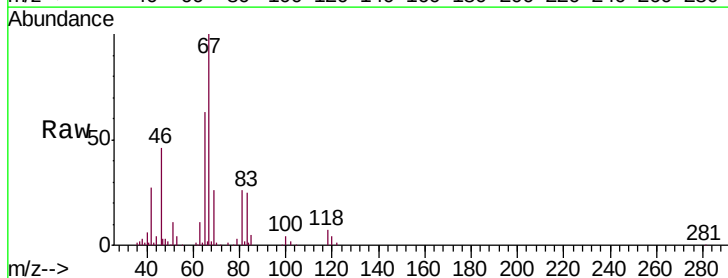
Tgt Ion: 83 Resp: 24083

Ion Ratio Lower Upper

83 100

55 0.5 62.1 93.1#

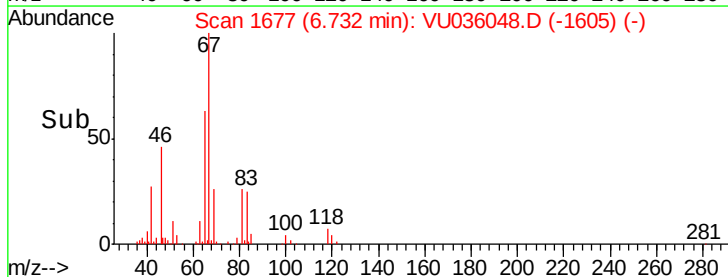
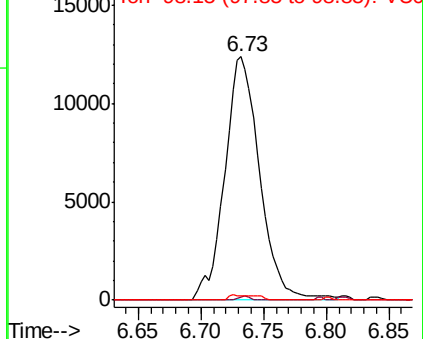
98 0.9 37.0 55.4#

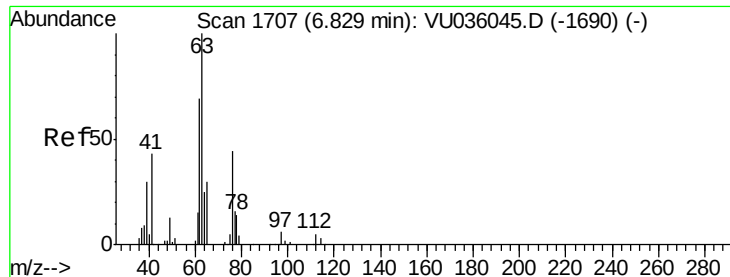


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

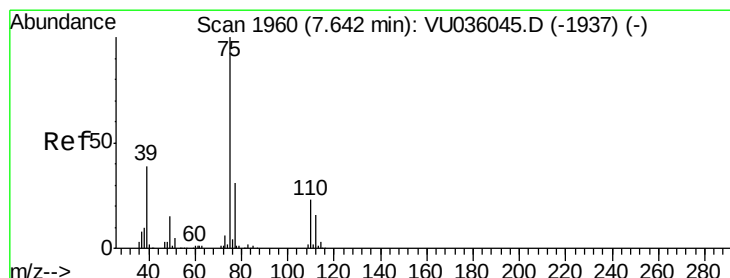
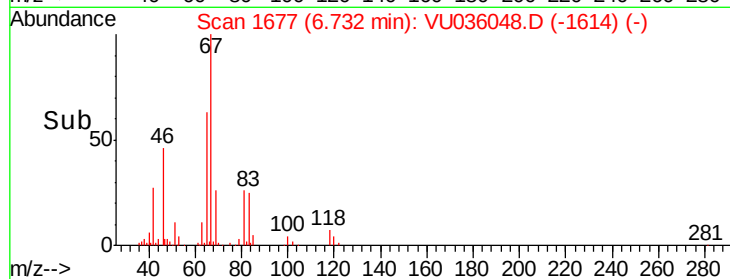
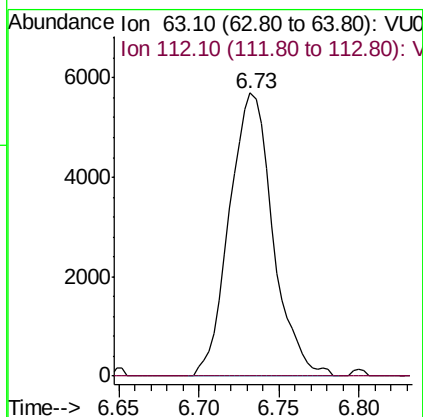
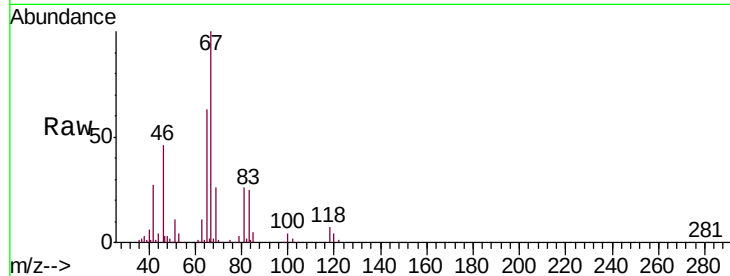




#37  
 1,2-Dichloropropane  
 Concen: 0.529 ug/L  
 RT: 6.73 min Scan# 1677  
 Delta R.T. -0.10 min  
 Lab File: VU036048.D  
 Acq: 09 Dec 2019 15:35

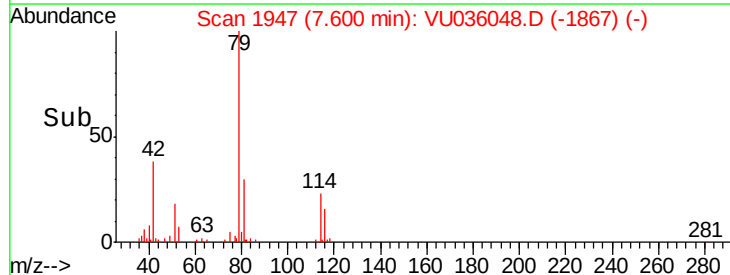
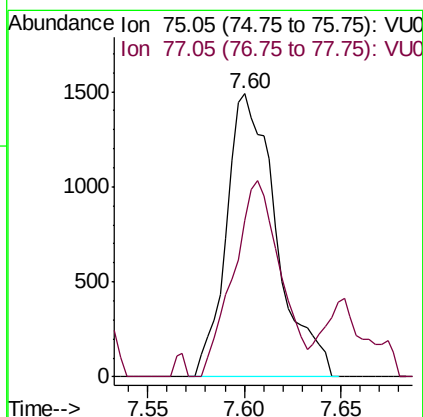
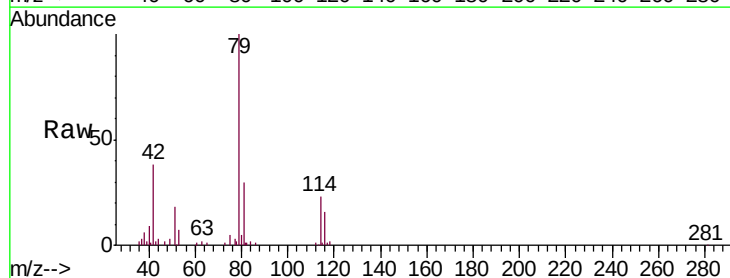
Instrument :  
 MSVOA\_U  
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 BFE25DL

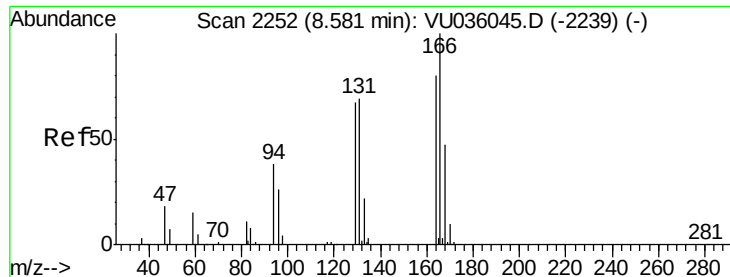
Tgt Ion: 63 Resp: 10553  
 Ion Ratio Lower Upper  
 63 100  
 112 0.4 3.8 5.8#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.099 ug/L  
 RT: 7.60 min Scan# 1947  
 Delta R.T. -0.04 min  
 Lab File: VU036048.D  
 Acq: 09 Dec 2019 15:35

Tgt Ion: 75 Resp: 2681  
 Ion Ratio Lower Upper  
 75 100  
 77 55.2 21.7 40.3#





#47

Tetrachloroethene

Concen: 5.142 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036048.D

Acq: 09 Dec 2019 15:35

Instrument :

MSVOA\_U

ClientSampleId :

BFE25DL

Tgt Ion:164 Resp: 103263

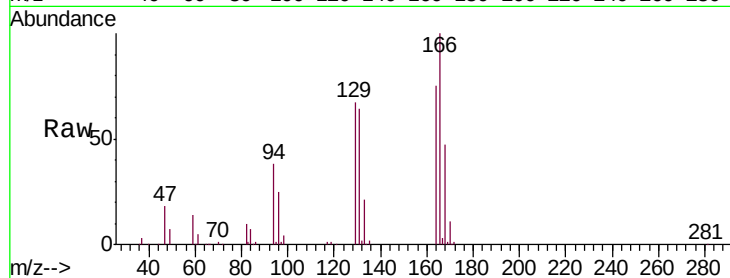
Ion Ratio Lower Upper

164 100

129 89.5 63.1 117.3

131 85.3 61.5 114.1

166 133.4 91.0 169.0

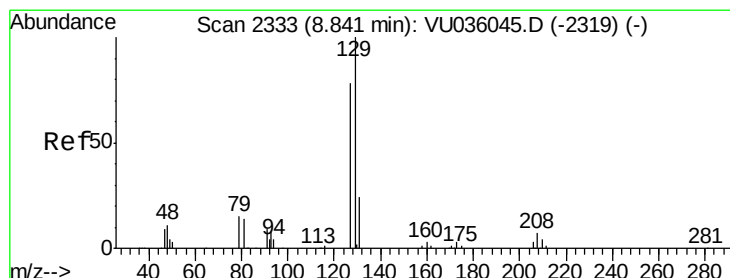
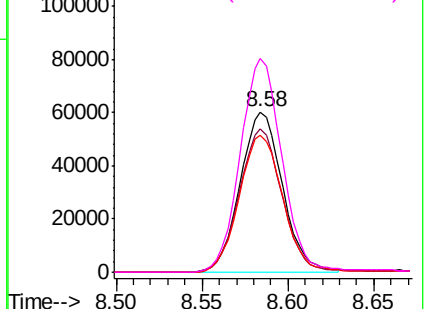
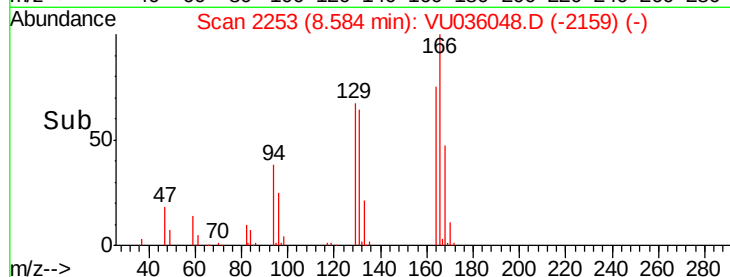


Abundance Ion 163.90 (163.60 to 164.60): V

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: 4.360 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036048.D

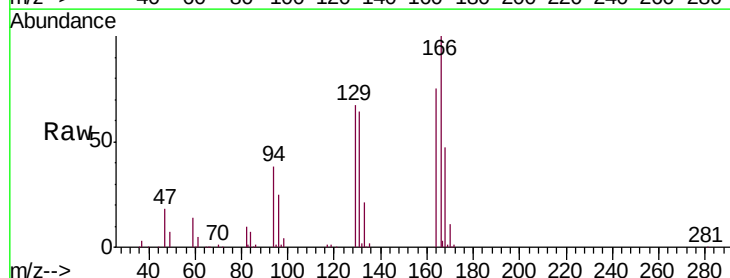
Acq: 09 Dec 2019 15:35

Tgt Ion:129 Resp: 90917

Ion Ratio Lower Upper

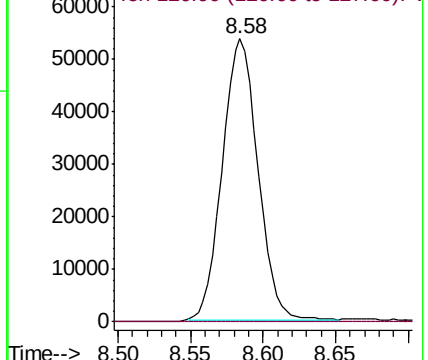
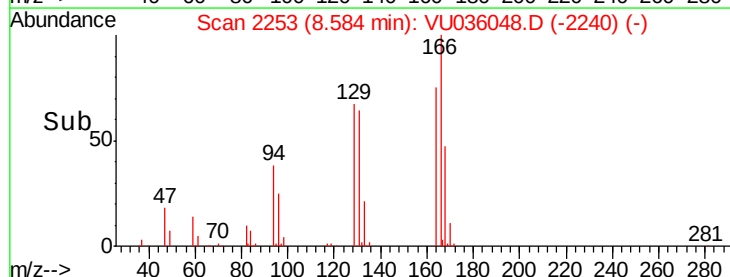
129 100

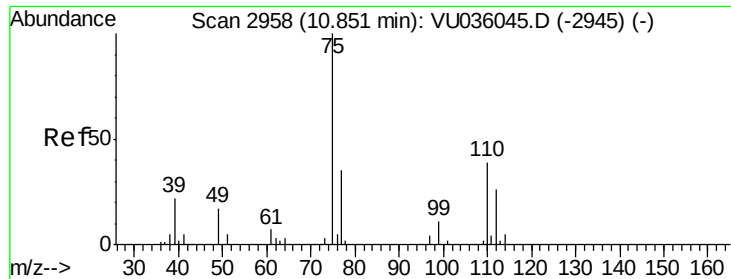
127 0.0 52.5 97.5#



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: 0.674 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU036048.D

Acq: 09 Dec 2019 15:35

Instrument :

MSVOA\_U

ClientSampleId :

BFE25DL

Tgt Ion: 75 Resp: 9608

Ion Ratio Lower Upper

75 100

77 22.9 26.7 40.1#

