

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\  
 Data File : VU037906.D  
 Acq On : 29 Apr 2020 11:52  
 Operator : JC/MD  
 Sample : L2410-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBFD9

Quant Time: May 01 09:51:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 30 01:17:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 691950   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 669614   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 325398   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 218570   | 36.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 72.30%  |
| 7) Chloroethane-d5             | 1.91    | 69    | 194833   | 41.58    | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 83.16%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 450827   | 46.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.14%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 420009   | 87.68    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 87.68%  |
| 24) Chloroform-d               | 5.10    | 84    | 419433   | 45.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 283923   | 44.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.06%  |
| 32) Benzene-d6                 | 5.76    | 84    | 839419   | 44.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.66%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 287318   | 45.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.72%  |
| 41) Toluene-d8                 | 7.92    | 98    | 751960   | 43.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.42%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 139219   | 42.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.42%  |
| 47) 2-Hexanone-d5              | 8.65    | 63    | 327249   | 94.92    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.92%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 453850   | 51.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 103.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20   | 152   | 295824   | 46.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.44%  |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Ovalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85   | 154033   | 26.982 | ug/L  | 99     |
| 3) Chloromethane               | 1.53 | 50   | 176257   | 28.328 | ug/L  | 99     |
| 5) Vinyl chloride              | 1.62 | 62   | 374178   | 54.506 | ug/L  | 98     |
| 6) Bromomethane                | 1.84 | 94   | 64719    | 22.784 | ug/L  | 100    |
| 8) Chloroethane                | 1.93 | 64   | 112446   | 29.153 | ug/L  | 98     |
| 9) Trichlorofluoromethane      | 2.15 | 101  | 320823   | 43.955 | ug/L  | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.60 | 101  | 96841    | 22.767 | ug/L  | 96     |
| 12) 1,1-Dichloroethene         | 2.60 | 96   | 283107   | 67.392 | ug/L  | 87     |
| 16) Methylene chloride         | 3.07 | 84   | 220883   | 44.249 | ug/L  | 97     |
| 17) trans-1,2-Dichloroethene   | 3.38 | 96   | 100169   | 21.326 | ug/L  | 94     |
| 19) 1,1-Dichloroethane         | 3.91 | 63   | 616744   | 65.138 | ug/L  | 99     |
| 20) cis-1,2-Dichloroethene     | 4.70 | 96   | 224274   | 43.609 | ug/L  | 94     |
| 23) Bromochloromethane         | 5.01 | 128  | 99563    | 40.064 | ug/L  | 96     |
| 25) Chloroform                 | 5.12 | 83   | 532615   | 60.119 | ug/L  | 100    |
| 27) 1,2-Dichloroethane         | 5.83 | 62   | 534281   | 70.414 | ug/L  | 100    |
| 30) 1,1,1-Trichloroethane      | 5.35 | 97   | 151818   | 20.302 | ug/L  | 98     |
| 31) Carbon tetrachloride       | 5.56 | 117  | 363451   | 60.121 | ug/L  | 100    |

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 MSVOA\_U  
 ClientSampleId :  
 DBFD9

Quant Time: May 01 09:51:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 30 01:17:58 2020  
 Response via : Initial Calibration

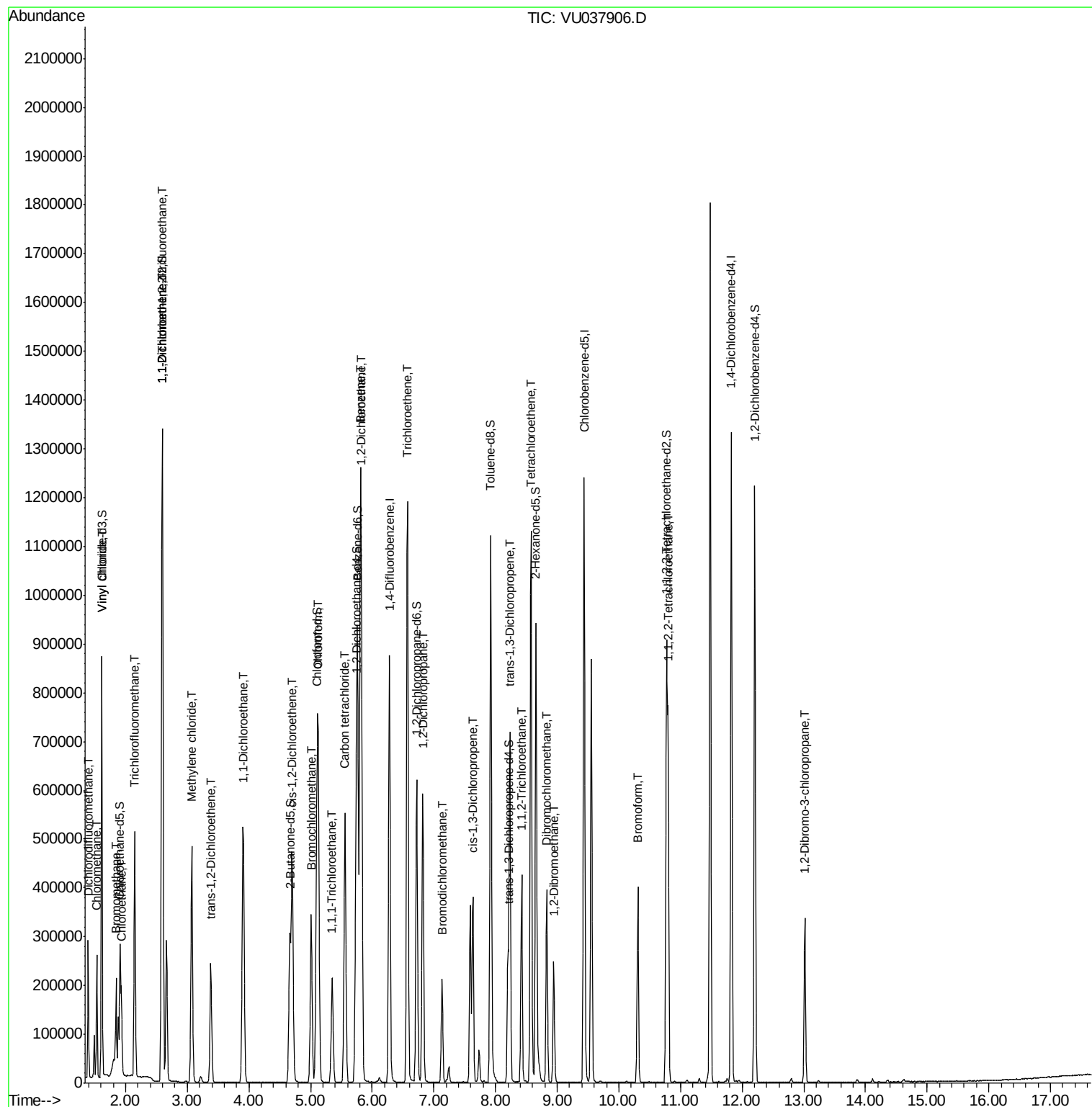
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 33) Benzene                    | 5.81  | 78   | 967862   | 47.622 | ug/L  | 100      |
| 34) Trichloroethene            | 6.57  | 95   | 405551   | 81.350 | ug/L  | 98       |
| 37) 1,2-Dichloropropane        | 6.82  | 63   | 225494   | 40.622 | ug/L  | 99       |
| 38) Bromodichloromethane       | 7.13  | 83   | 136091   | 20.292 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene    | 7.63  | 75   | 223108   | 25.103 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene  | 8.23  | 75   | 384775   | 44.852 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane      | 8.42  | 97   | 128958   | 26.631 | ug/L  | 98       |
| 46) Tetrachloroethene          | 8.57  | 164  | 247101   | 67.813 | ug/L  | 99       |
| 49) Dibromochloromethane       | 8.83  | 129  | 197883   | 39.135 | ug/L  | 97       |
| 50) 1,2-Dibromoethane          | 8.94  | 107  | 161696   | 30.826 | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.80 | 83   | 359748   | 41.772 | ug/L  | 98       |
| 61) Bromoform                  | 10.31 | 173  | 173383   | 47.346 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 13.01 | 75   | 84649    | 38.365 | ug/L  | 97       |

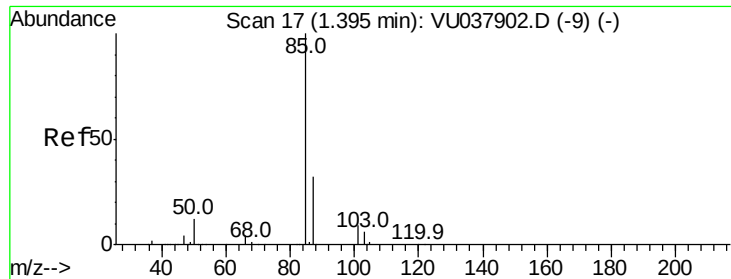
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.982 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

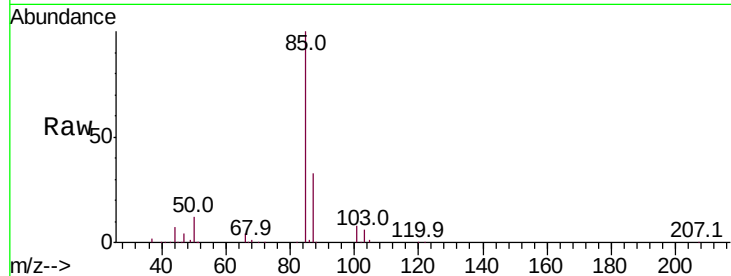
DBFD9

Tot Ion: 85 Resp: 154033

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU037902.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037902.D (-9) (-)

1.39

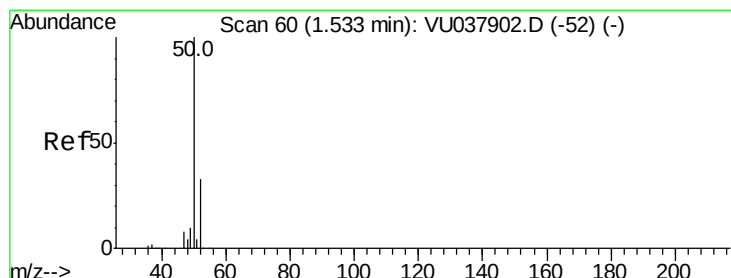
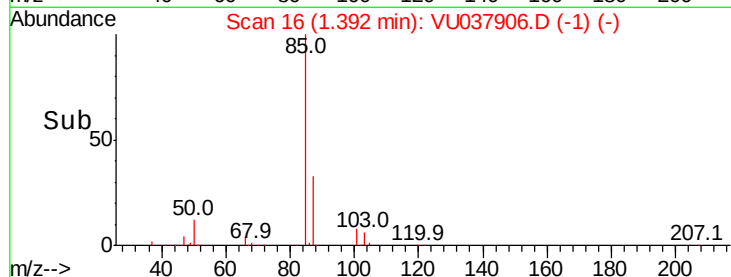
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 28.328 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037906.D

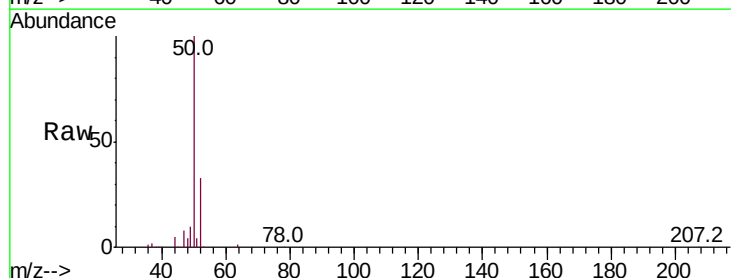
Acq: 29 Apr 2020 11:52

Tgt Ion: 50 Resp: 176257

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU037902.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037902.D (-52) (-)

1.53

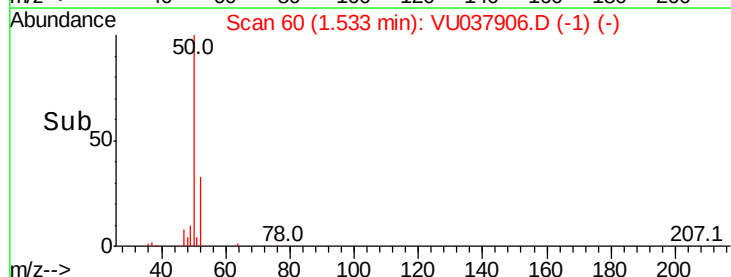
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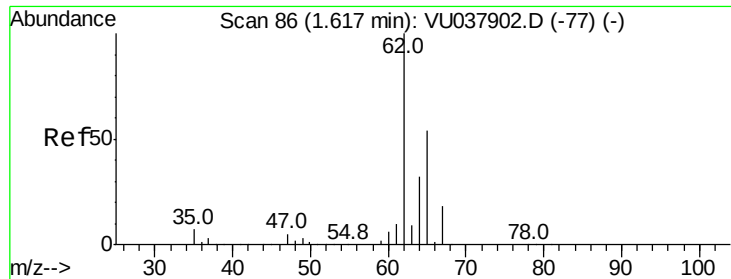
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 54.506 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

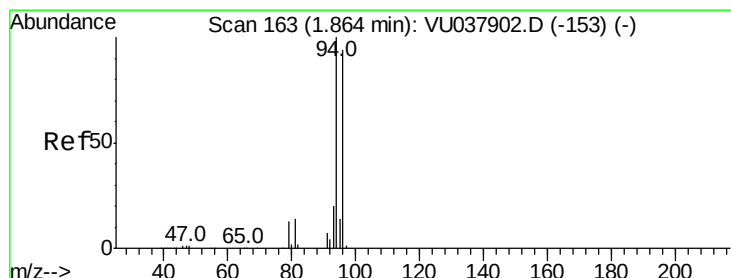
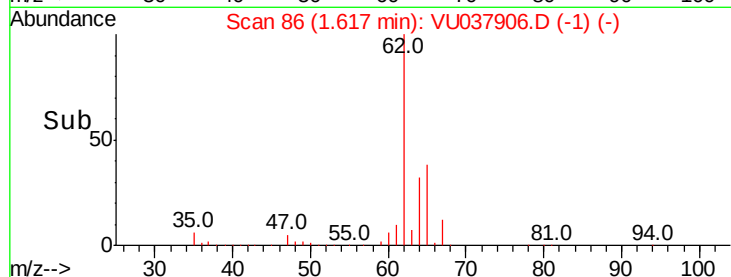
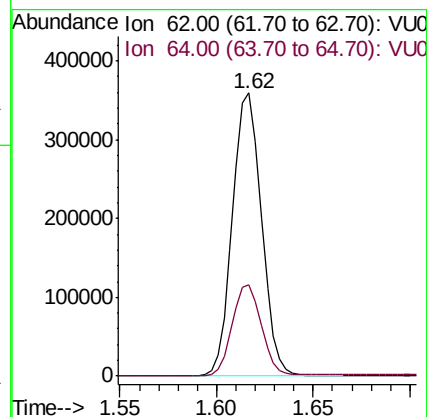
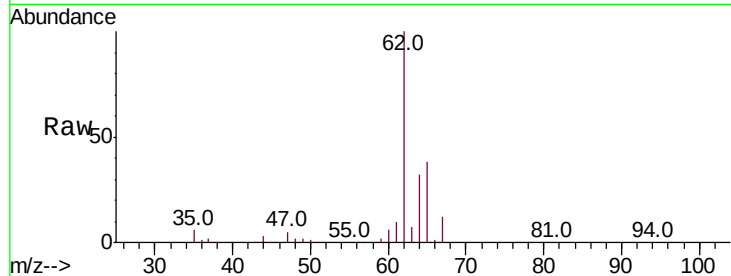
DBFD9

Tot Ion: 62 Resp: 374178

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.0



#6

Bromomethane

Concen: 22.784 ug/L

RT: 1.84 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU037906.D

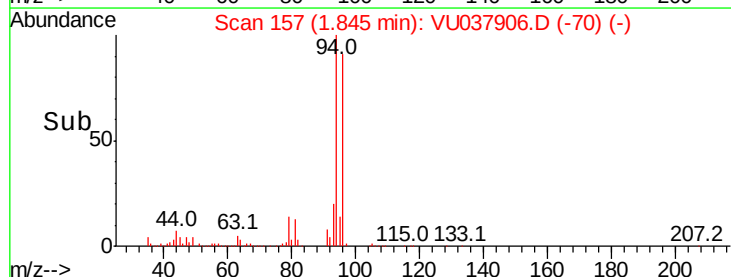
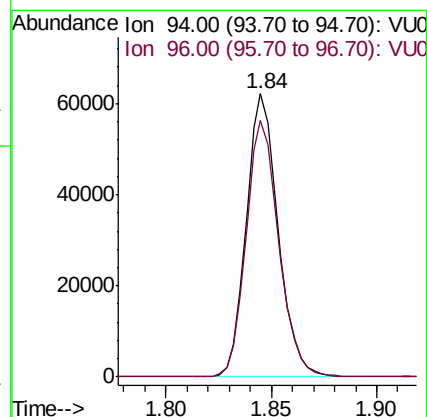
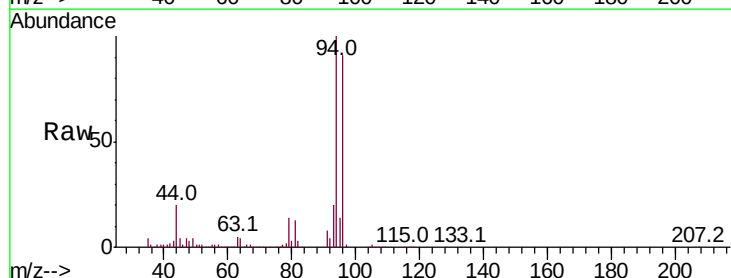
Acq: 29 Apr 2020 11:52

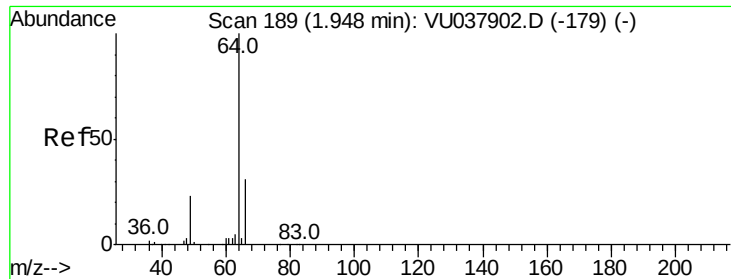
Tgt Ion: 94 Resp: 64719

Ion Ratio Lower Upper

94 100

96 90.8 63.9 118.7





#8

Chloroethane

Concen: 29.153 ug/L

RT: 1.93 min Scan# 184

Delta R.T. -0.02 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

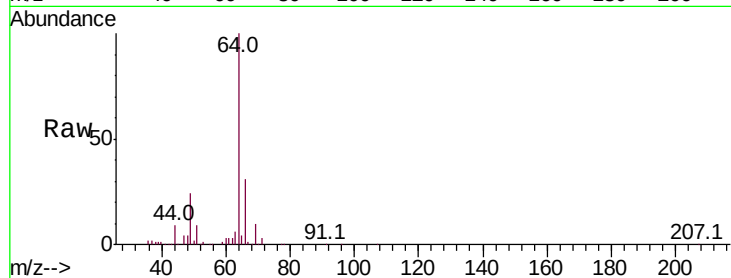
DBFD9

Tot Ion: 64 Resp: 112446

Ion Ratio Lower Upper

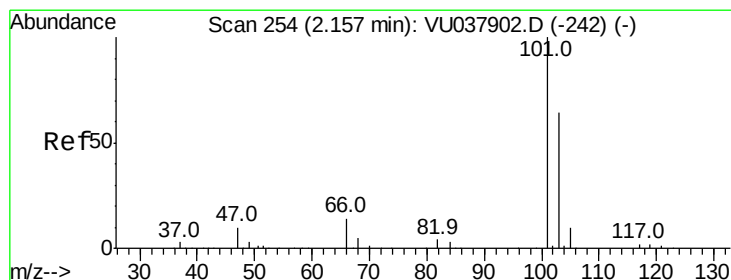
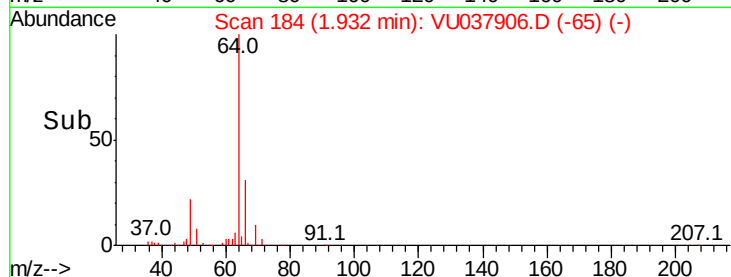
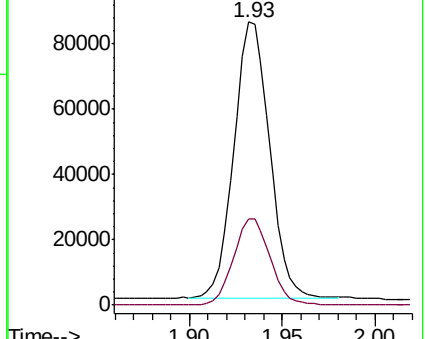
64 100

66 30.7 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU037906.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037906.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 43.955 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.01 min

Lab File: VU037906.D

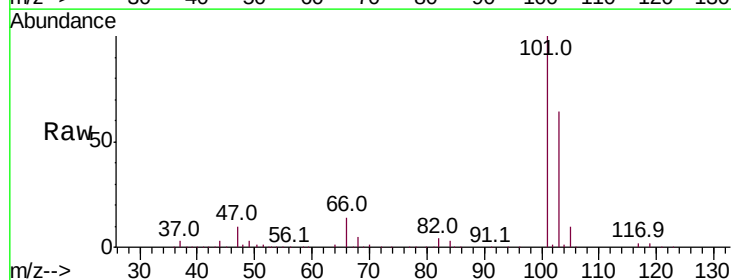
Acq: 29 Apr 2020 11:52

Tgt Ion:101 Resp: 320823

Ion Ratio Lower Upper

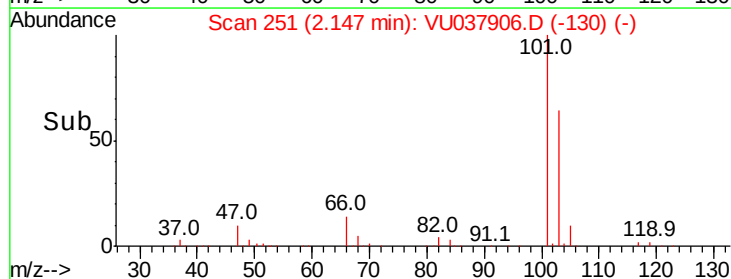
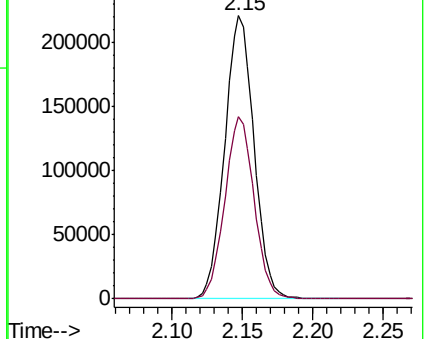
101 100

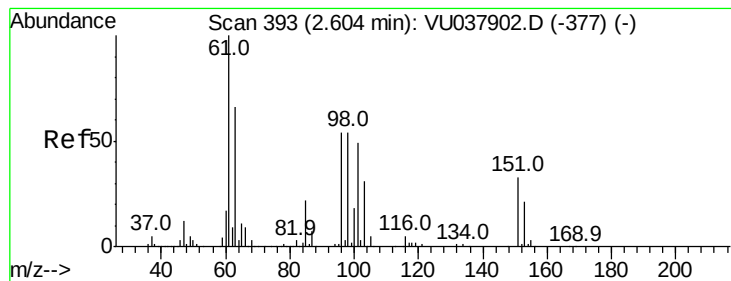
103 64.2 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU037906.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037906.D (-242) (-)





#10

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

Concen: 22.767 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

DBFD9

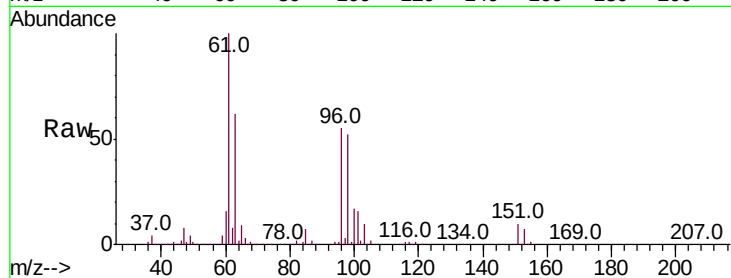
Tot Ion:101 Resp: 96841

Ion Ratio Lower Upper

101 100

85 43.9 36.2 54.4

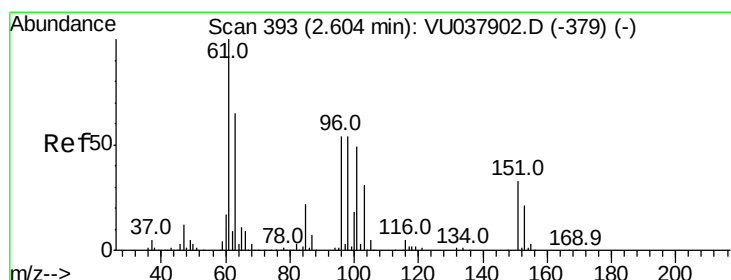
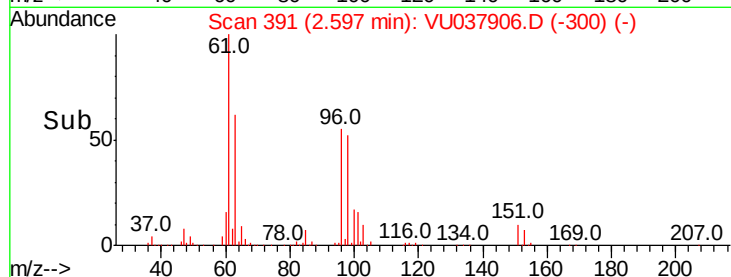
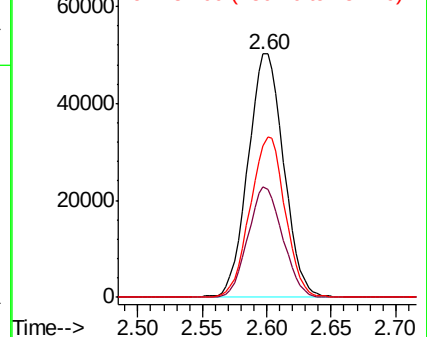
151 64.6 55.5 83.3



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



#12

1,1-Dichloroethene

Concen: 67.392 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

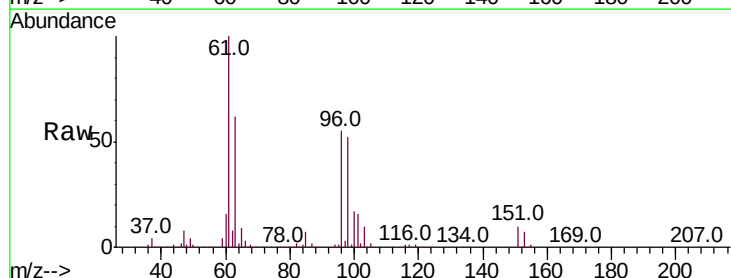
Tgt Ion: 96 Resp: 283107

Ion Ratio Lower Upper

96 100

61 181.5 134.1 249.0

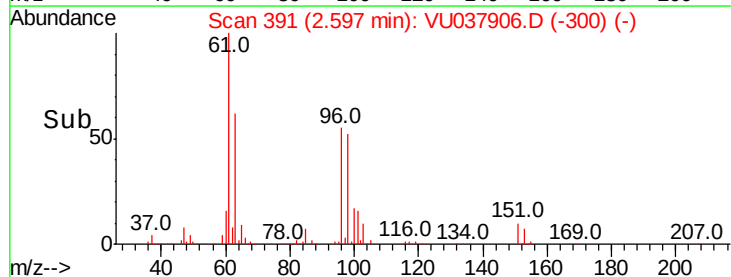
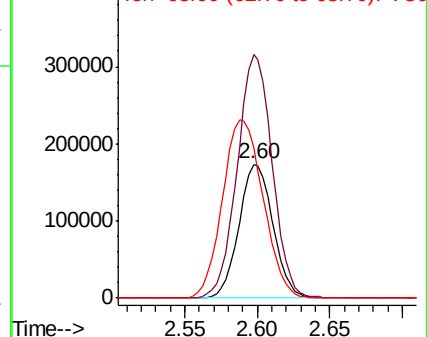
63 112.0 96.5 179.1

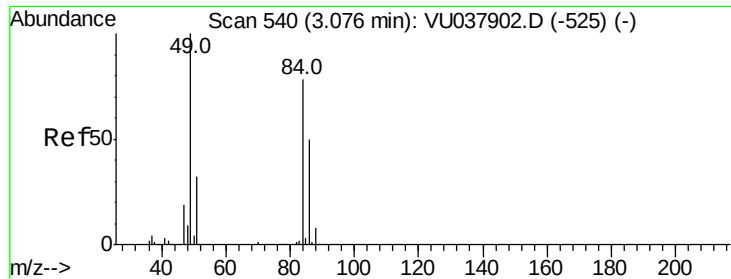


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

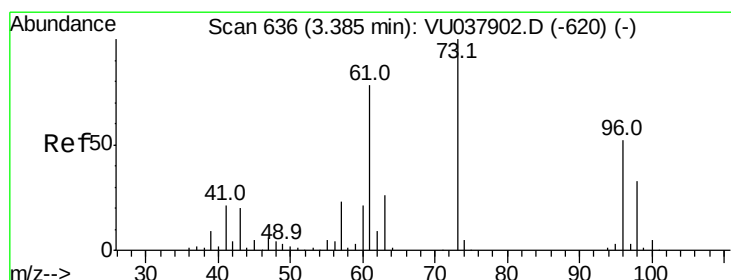
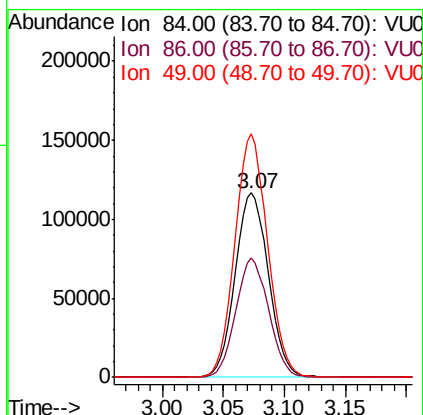
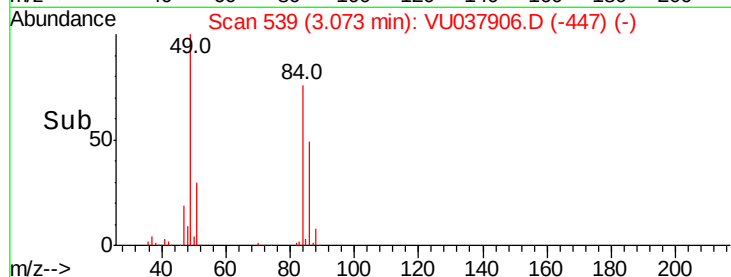
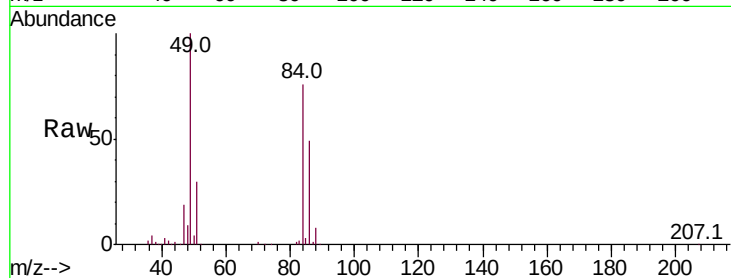




#16  
Methylene chloride  
Concen: 44.249 ug/L  
RT: 3.07 min Scan# 539  
Delta R.T. -0.00 min  
Lab File: VU037906.D  
Acq: 29 Apr 2020 11:52

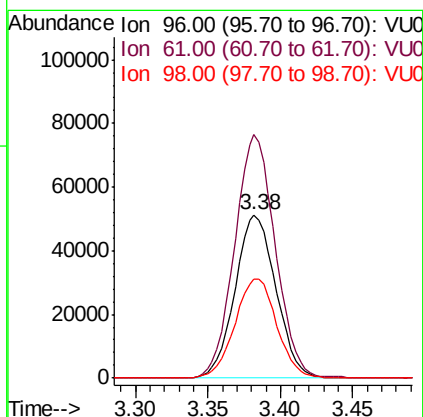
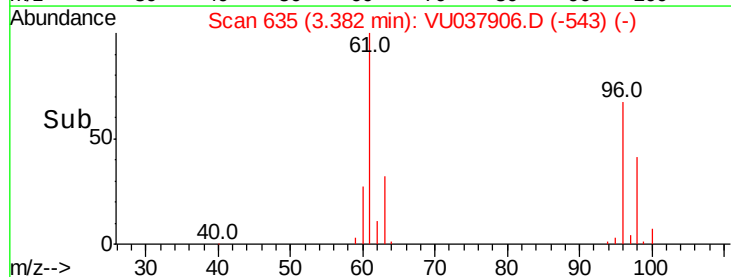
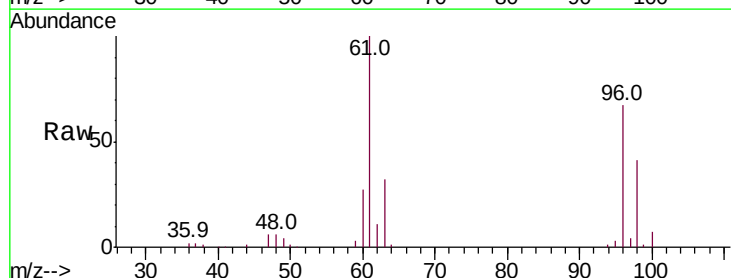
Instrument :  
MSVOA\_U  
ClientSampled :  
DBFD9

Tot Ion: 84 Resp: 220883  
Ion Ratio Lower Upper  
84 100  
86 64.7 43.5 80.7  
49 132.2 95.1 176.7

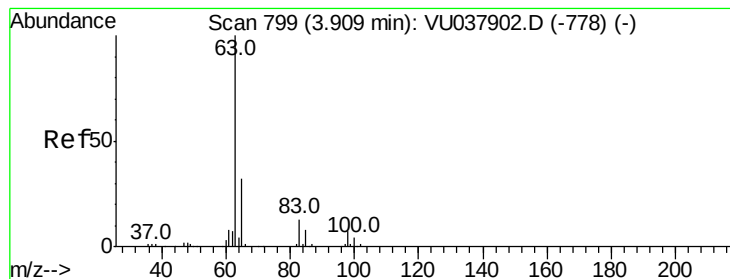


#17  
trans-1,2-Dichloroethene  
Concen: 21.326 ug/L  
RT: 3.38 min Scan# 635  
Delta R.T. -0.00 min  
Lab File: VU037906.D  
Acq: 29 Apr 2020 11:52

Tgt Ion: 96 Resp: 100169  
Ion Ratio Lower Upper  
96 100  
61 149.4 111.4 207.0  
98 60.6 43.9 81.5







#19

1,1-Dichloroethane

Concen: 65.138 ug/L

RT: 3.91 min Scan# 798

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

DBFD9

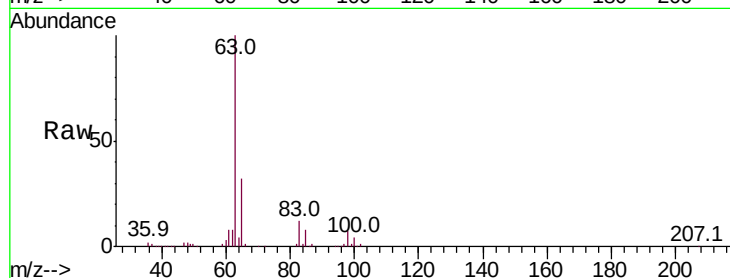
Tot Ion: 63 Resp: 616744

Ion Ratio Lower Upper

63 100

65 32.0 22.2 41.2

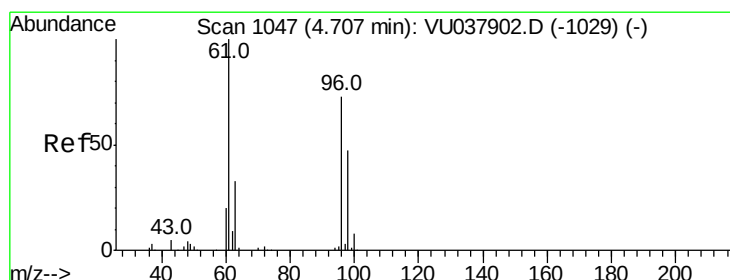
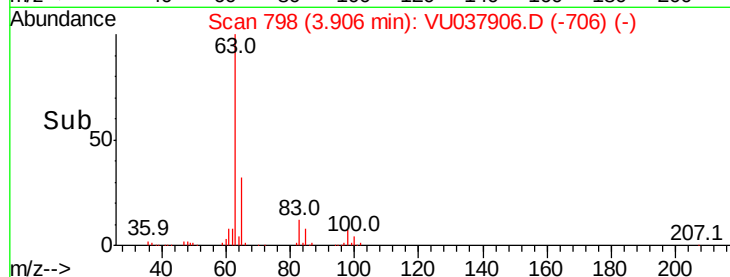
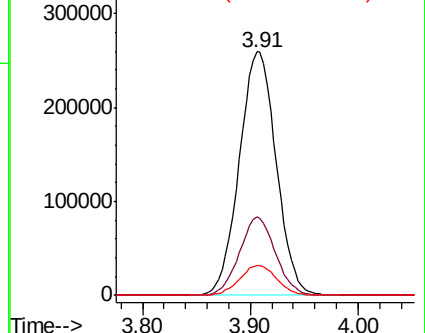
83 12.2 8.6 16.0



Abundance Ion 63.00 (62.70 to 63.70): VU037906.D (-778) (-)

Ion 65.00 (64.70 to 65.70): VU037906.D (-778) (-)

Ion 83.00 (82.70 to 83.70): VU037906.D (-778) (-)



#20

cis-1,2-Dichloroethene

Concen: 43.609 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

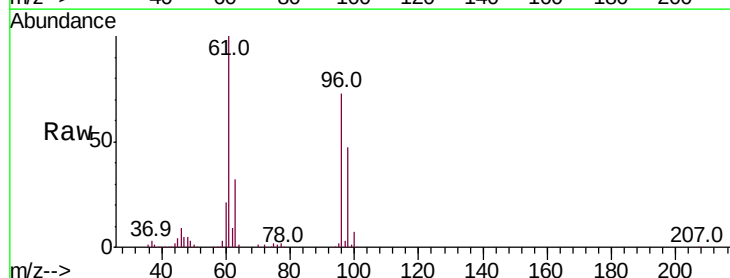
Tgt Ion: 96 Resp: 224274

Ion Ratio Lower Upper

96 100

61 136.3 100.4 186.4

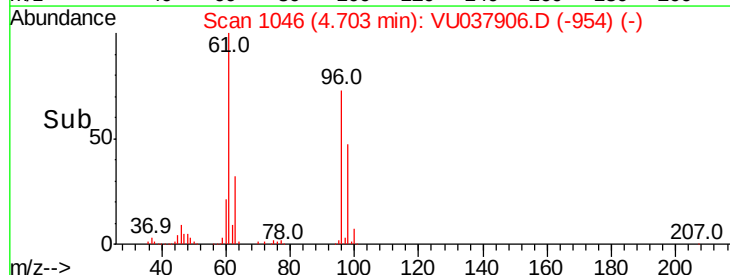
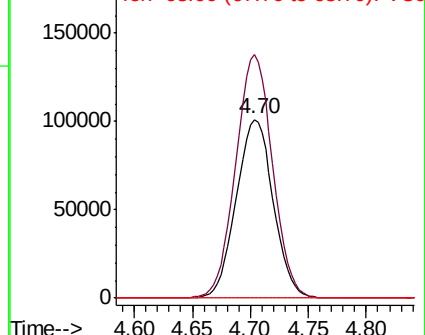
68 0.0 0.0 0.0

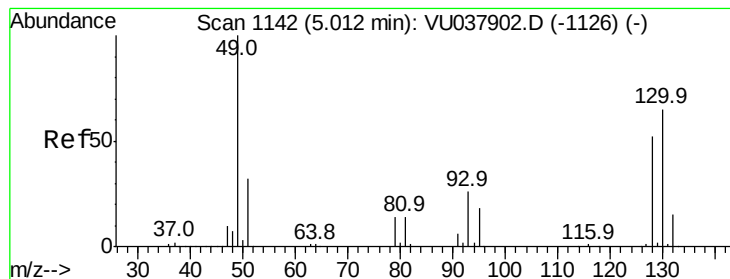


Abundance Ion 96.00 (95.70 to 96.70): VU037906.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037906.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037906.D (-954) (-)





#23

Bromochloromethane

Concen: 40.064 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

DBFD9

Tot Ion:128 Resp: 99563

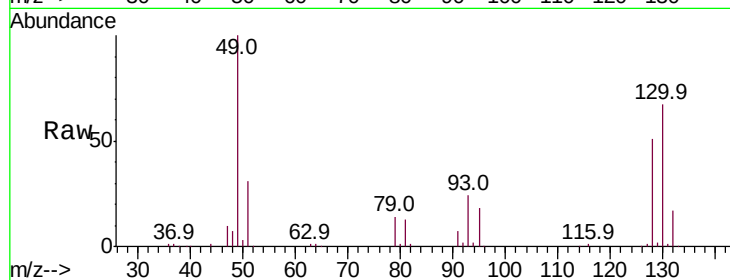
Ion Ratio Lower Upper

128 100

49 195.5 140.9 261.7

130 131.6 88.6 164.6

51 59.8 50.0 75.0

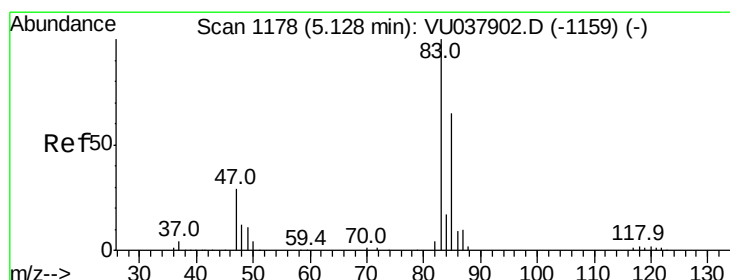
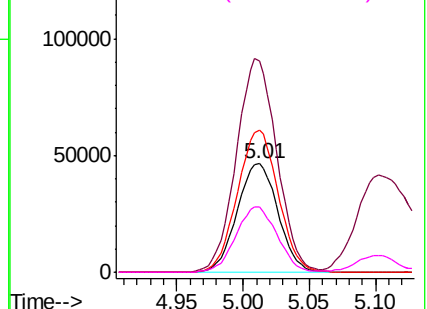
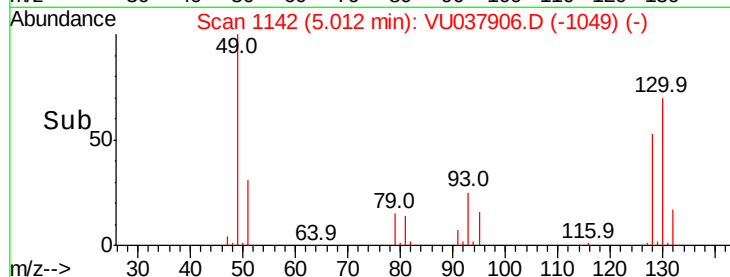


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 60.119 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU037906.D

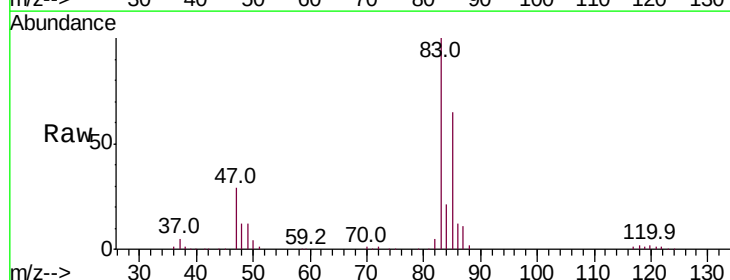
Acq: 29 Apr 2020 11:52

Tgt Ion: 83 Resp: 532615

Ion Ratio Lower Upper

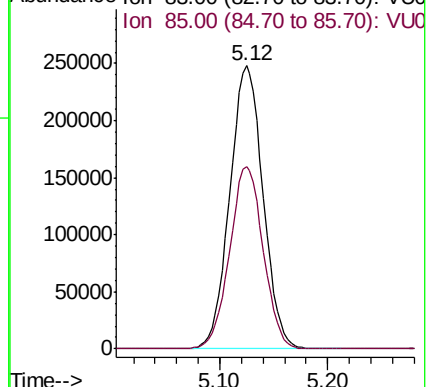
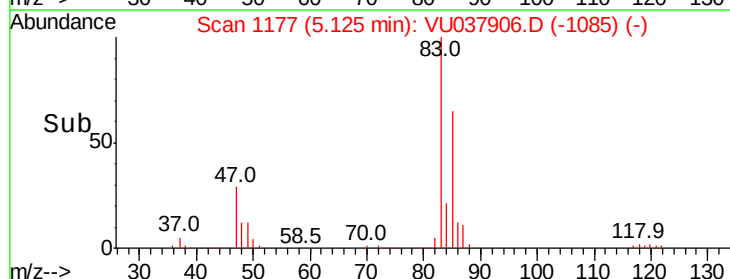
83 100

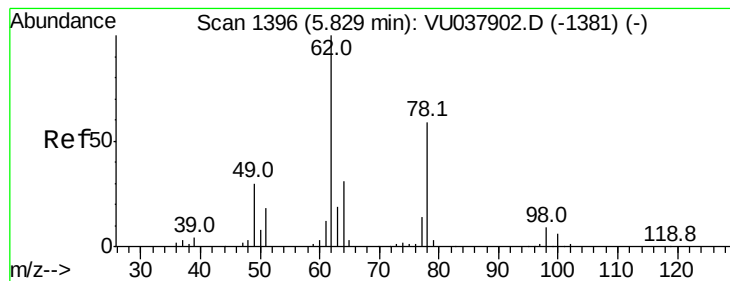
85 64.6 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 70.414 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

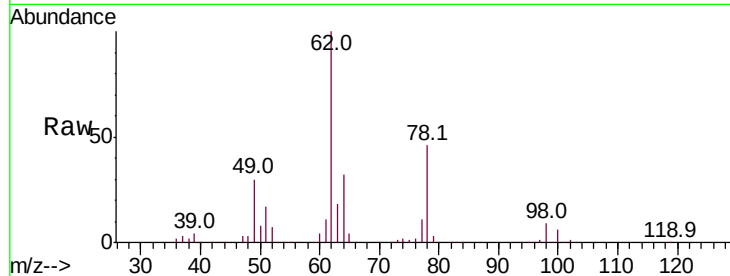
DBFD9

Tot Ion: 62 Resp: 534281

Ion Ratio Lower Upper

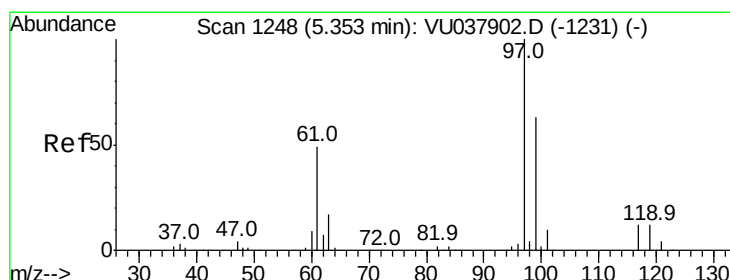
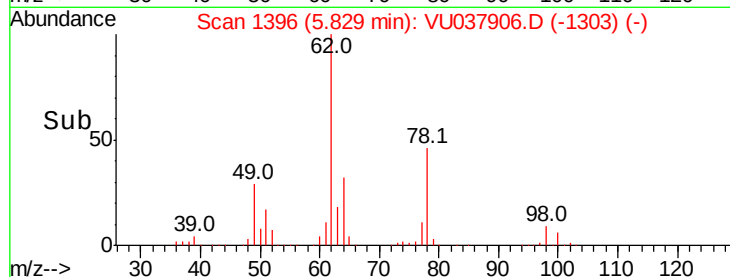
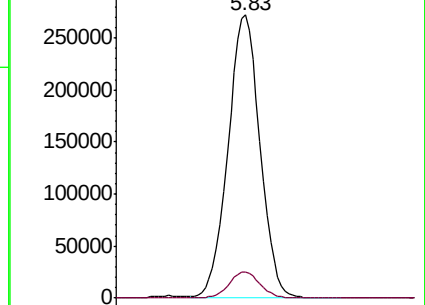
62 100

98 9.2 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU037902.D (-1381) (-)

Ion 98.00 (97.70 to 98.70): VU037902.D (-1381) (-)



#30

1,1,1-Trichloroethane

Concen: 20.302 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

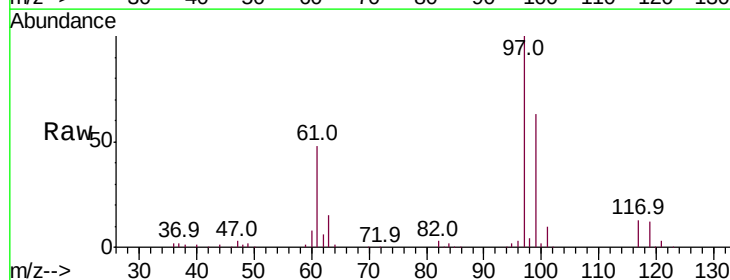
Tgt Ion: 97 Resp: 151818

Ion Ratio Lower Upper

97 100

99 64.2 50.7 76.1

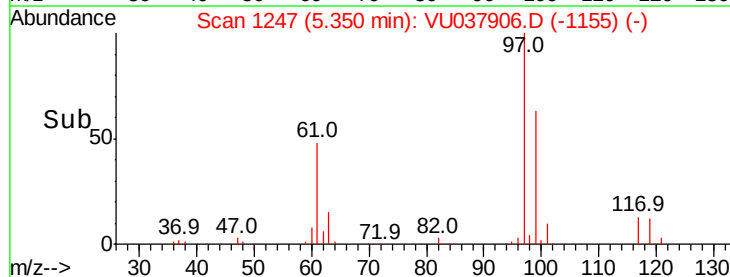
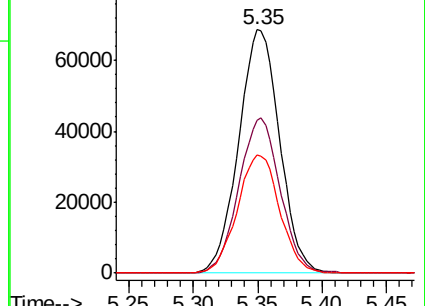
61 50.0 38.9 58.3

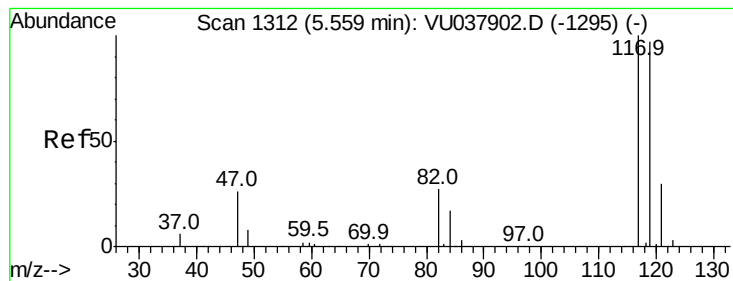


Abundance Ion 97.00 (96.70 to 97.70): VU037902.D (-1231) (-)

Ion 99.00 (98.70 to 99.70): VU037902.D (-1231) (-)

Ion 61.05 (60.75 to 61.75): VU037902.D (-1231) (-)





#31

Carbon tetrachloride

Concen: 60.121 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

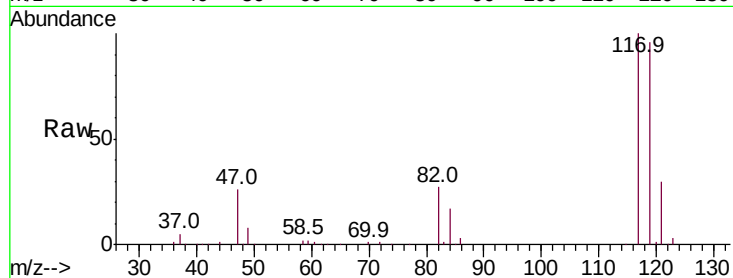
DBFD9

Tot Ion:117 Resp: 363451

Ion Ratio Lower Upper

117 100

119 95.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

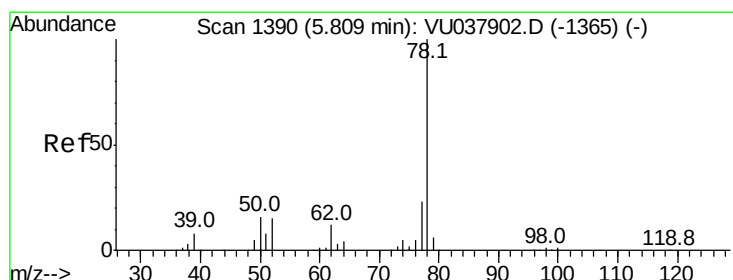
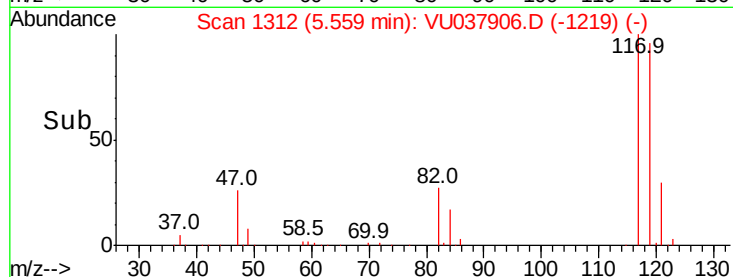
150000

100000

50000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 47.622 ug/L

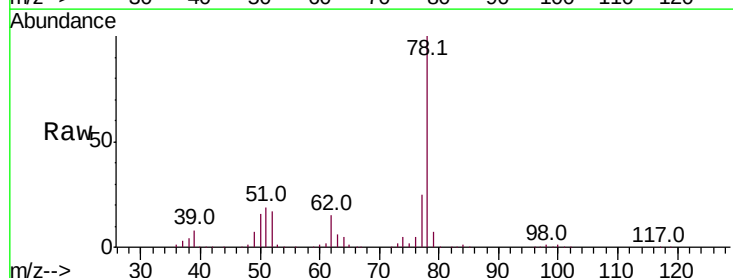
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Tgt Ion: 78 Resp: 967862



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.81

500000

400000

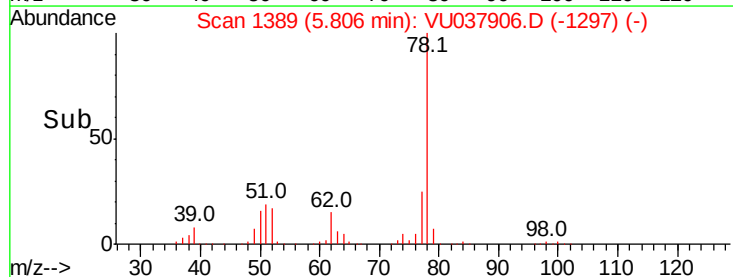
300000

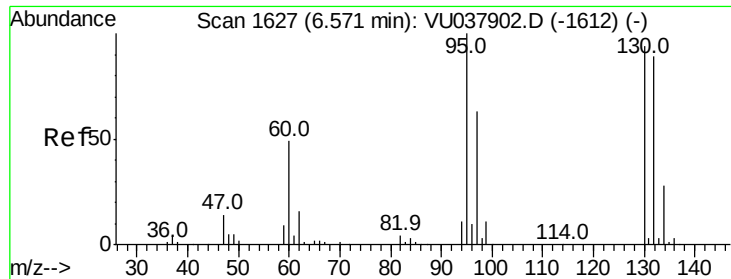
200000

100000

0

Time--> 5.70 5.80 5.90

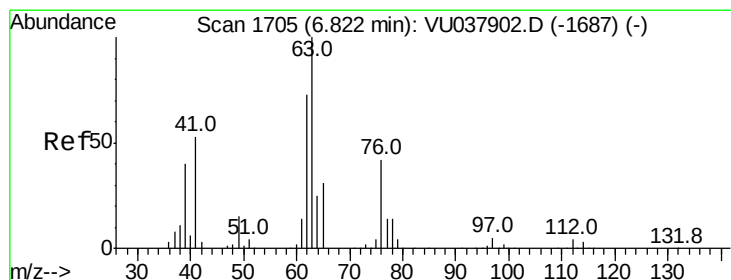
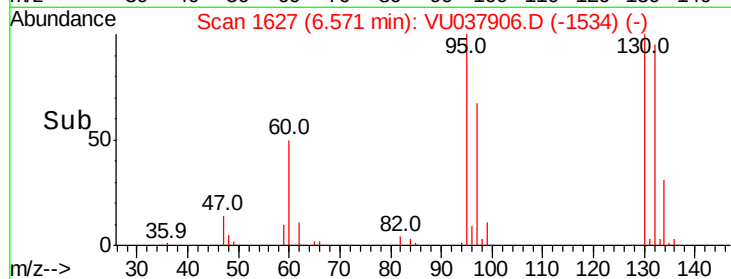
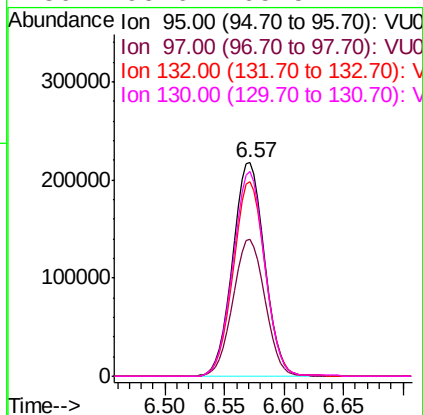
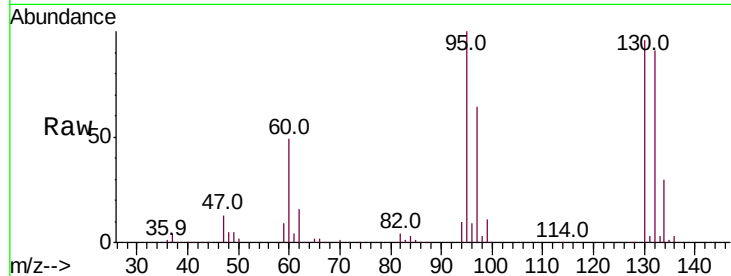




#34  
 Trichloroethene  
 Concen: 81.350 ug/L  
 RT: 6.57 min Scan# 1627  
 Delta R.T. -0.00 min  
 Lab File: VU037906.D  
 Acq: 29 Apr 2020 11:52

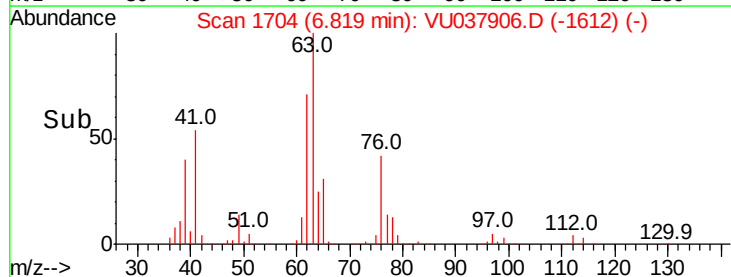
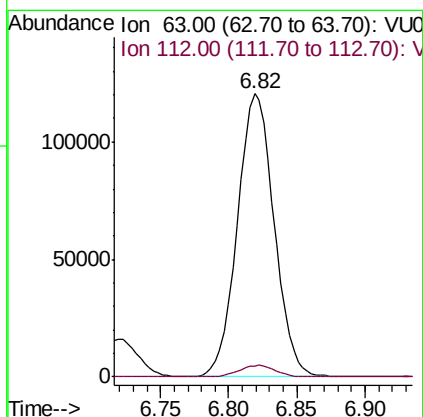
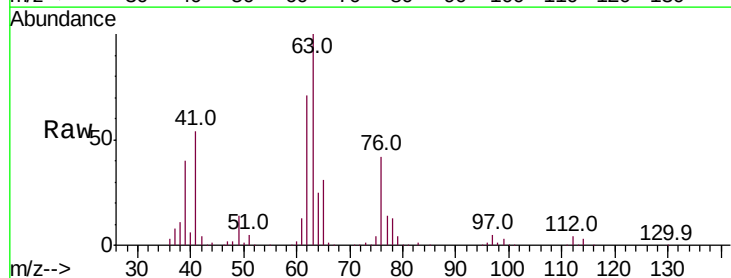
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBFD9

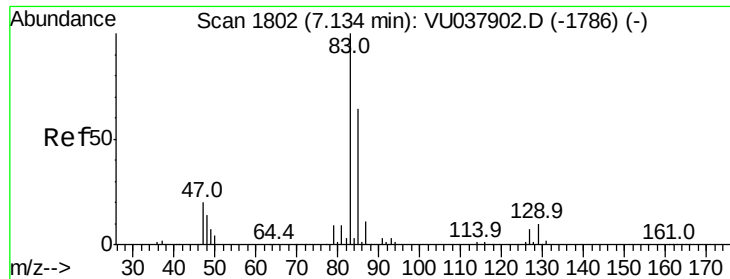
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 95    | Resp: | 405551 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 64.0  | 44.4  | 82.5   |
| 132      | 91.3  | 65.0  | 120.6  |
| 130      | 95.6  | 65.5  | 121.7  |



#37  
 1,2-Dichloropropane  
 Concen: 40.622 ug/L  
 RT: 6.82 min Scan# 1704  
 Delta R.T. -0.00 min  
 Lab File: VU037906.D  
 Acq: 29 Apr 2020 11:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 225494 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 112      | 4.1   | 3.0   | 4.4    |

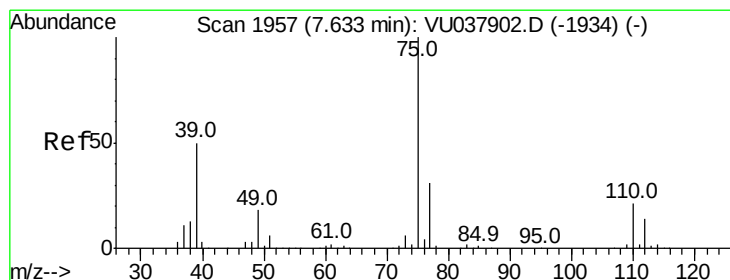
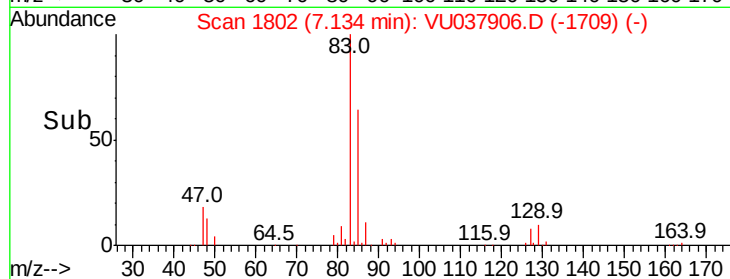
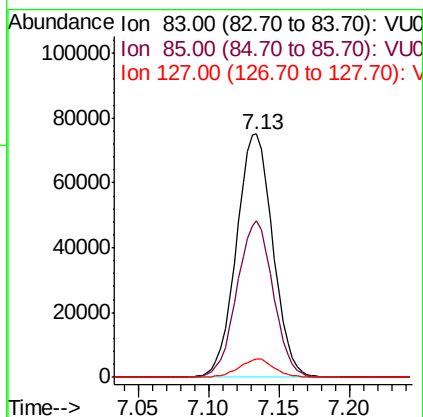
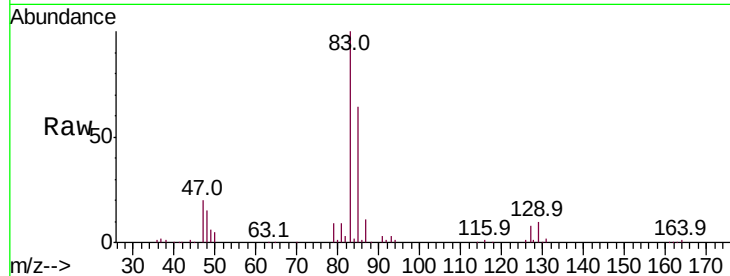




#38  
 Bromodichloromethane  
 Concen: 20.292 ug/L  
 RT: 7.13 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VU037906.D  
 Acq: 29 Apr 2020 11:52

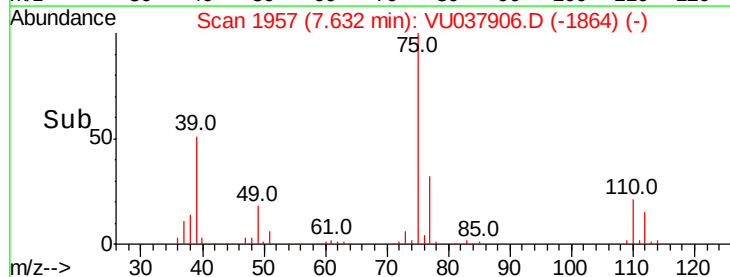
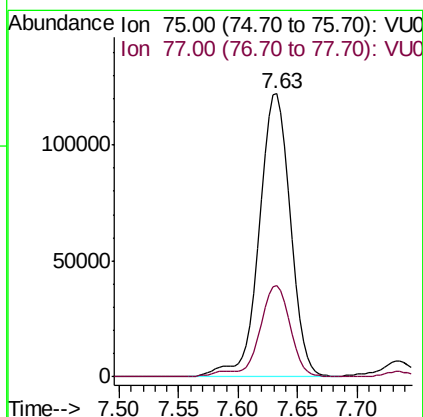
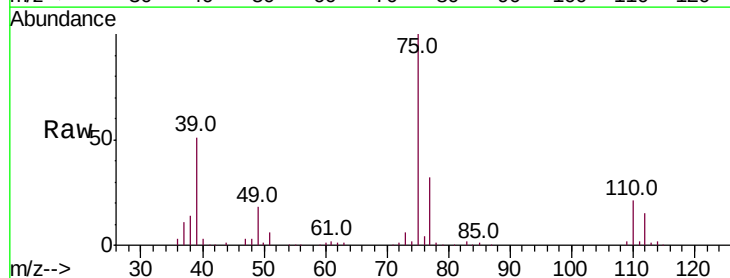
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBFD9

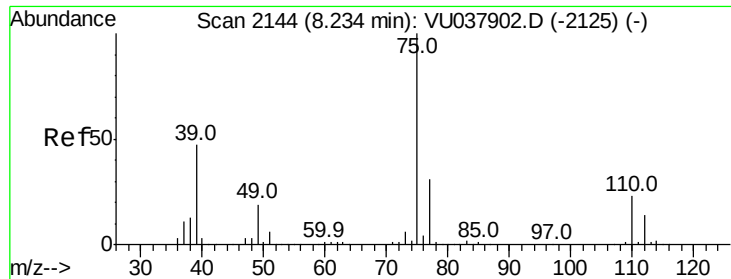
Tot Ion: 83 Resp: 136091  
 Ion Ratio Lower Upper  
 83 100  
 85 64.1 43.3 80.3  
 127 7.5 6.2 9.2



#39  
 cis-1,3-Dichloropropene  
 Concen: 25.103 ug/L  
 RT: 7.63 min Scan# 1957  
 Delta R.T. -0.00 min  
 Lab File: VU037906.D  
 Acq: 29 Apr 2020 11:52

Tgt Ion: 75 Resp: 223108  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 21.7 40.3





#44

trans-1,3-Dichloropropene

Concen: 44.852 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

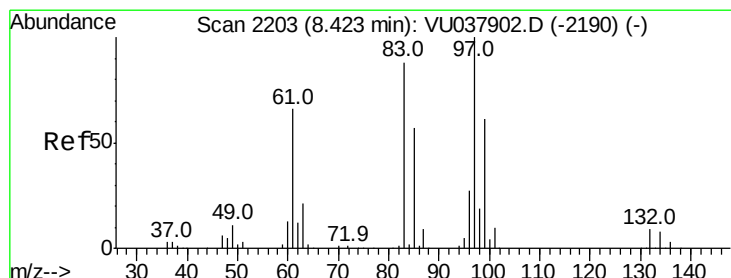
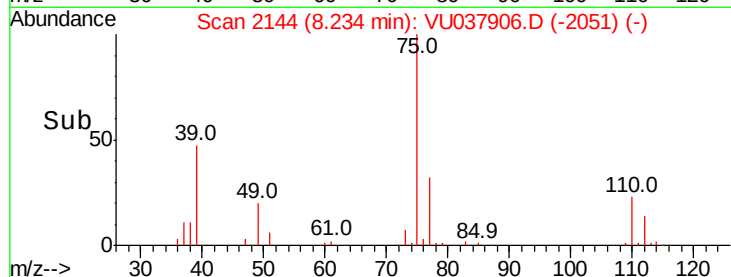
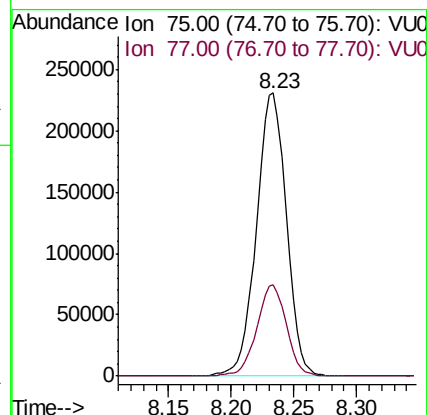
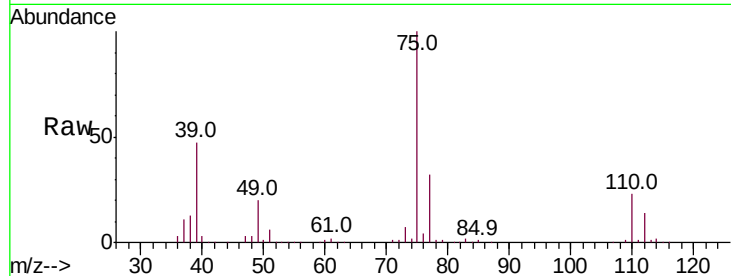
DBFD9

Tot Ion: 75 Resp: 384775

Ion Ratio Lower Upper

75 100

77 32.2 21.0 39.0



#45

1,1,2-Trichloroethane

Concen: 26.631 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Tgt Ion: 97 Resp: 128958

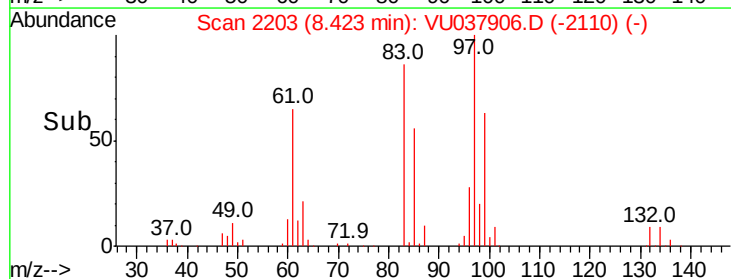
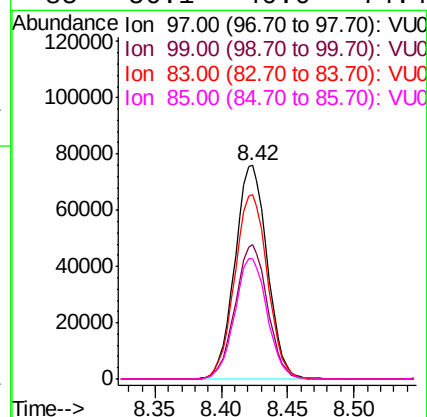
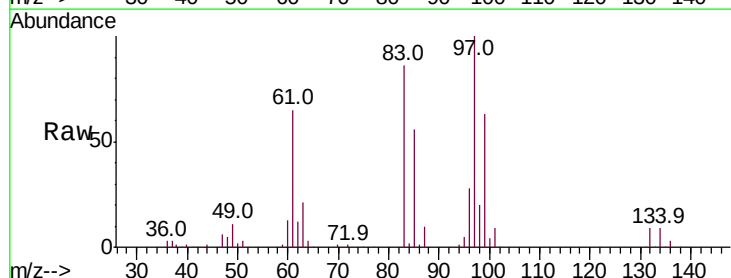
Ion Ratio Lower Upper

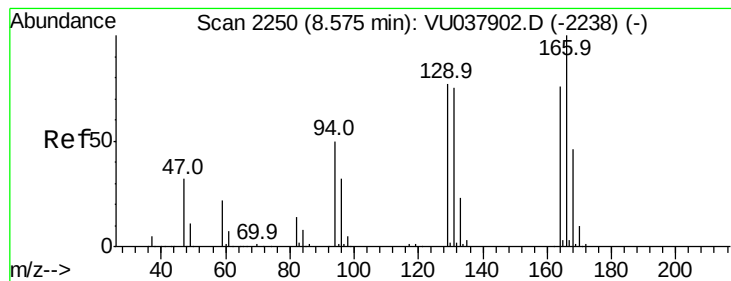
97 100

99 62.9 44.0 81.6

83 86.3 62.6 116.2

85 56.1 40.0 74.4





#46

Tetrachloroethene

Concen: 67.813 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037906.D

Acq: 29 Apr 2020 11:52

Instrument :

MSVOA\_U

ClientSampleId :

DBFD9

Tot Ion:164 Resp: 247101

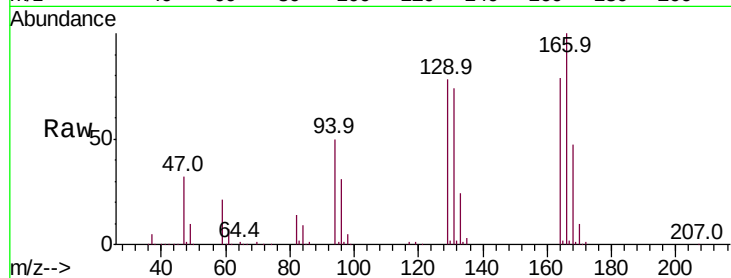
Ion Ratio Lower Upper

164 100

129 98.3 67.3 125.1

131 93.6 64.8 120.4

166 126.2 88.5 164.4



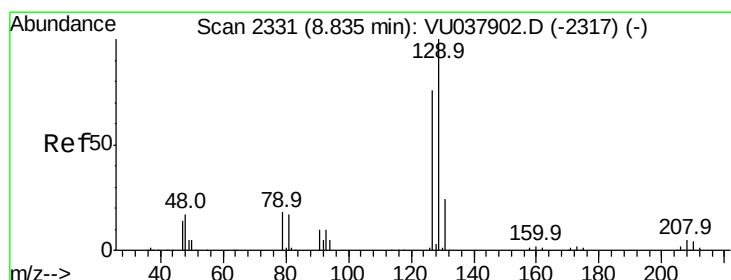
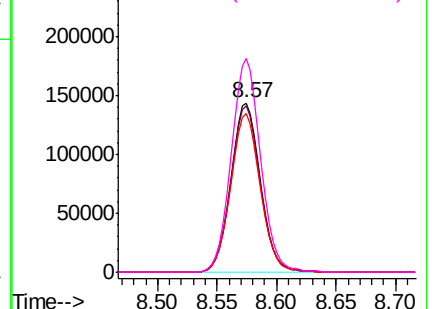
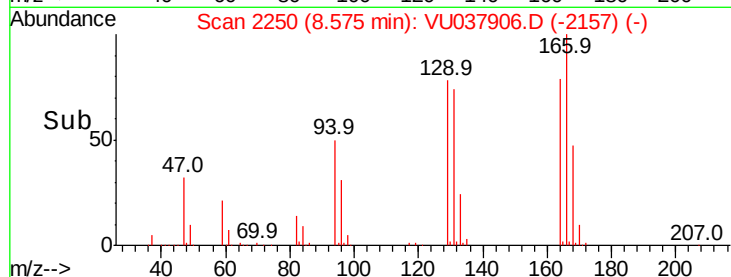
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 39.135 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU037906.D

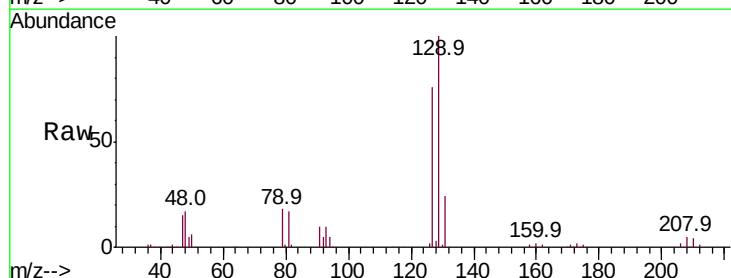
Acq: 29 Apr 2020 11:52

Tgt Ion:129 Resp: 197883

Ion Ratio Lower Upper

129 100

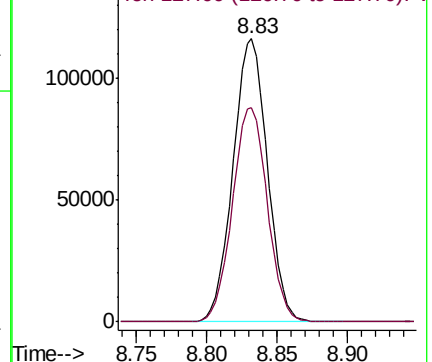
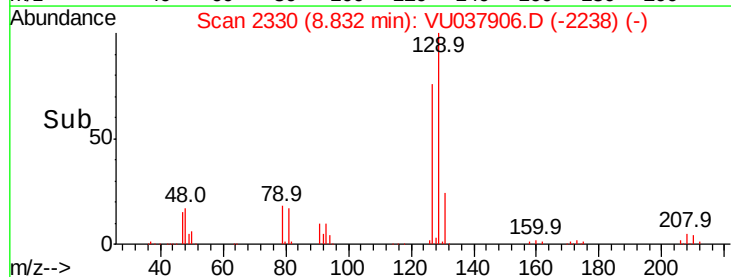
127 75.6 54.7 101.5



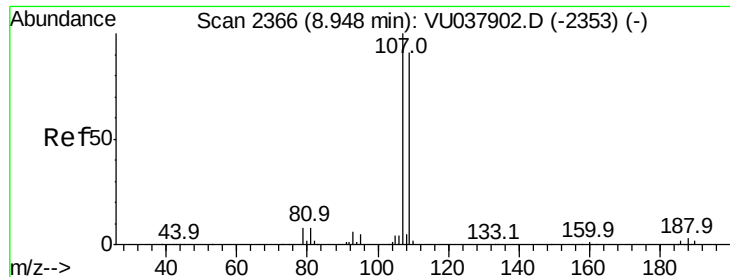
Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



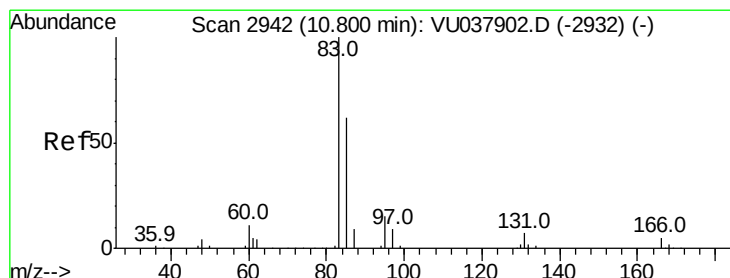
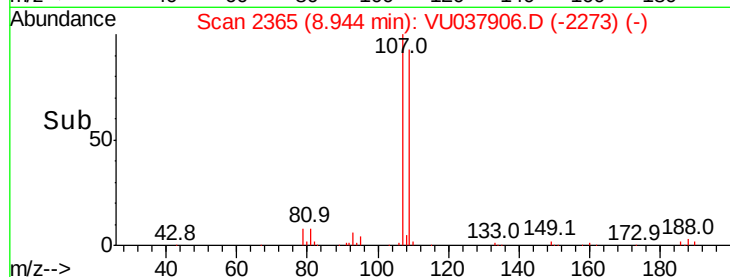
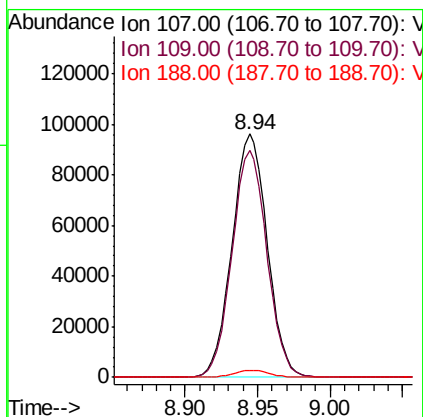
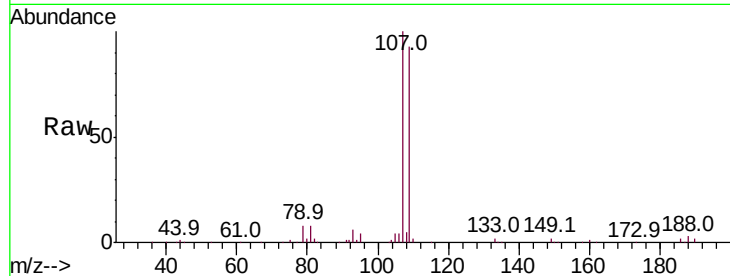




#50  
 1,2-Dibromoethane  
 Concen: 30.826 ug/L  
 RT: 8.94 min Scan# 2365  
 Delta R.T. -0.00 min  
 Lab File: VU037906.D  
 Acq: 29 Apr 2020 11:52

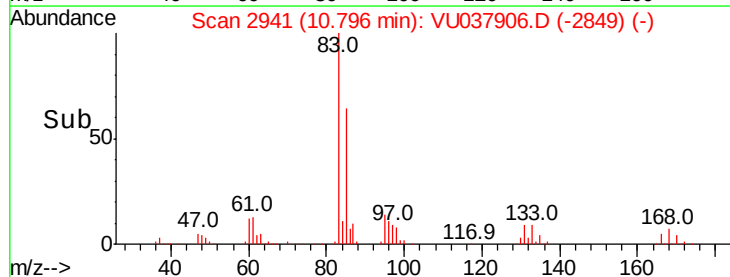
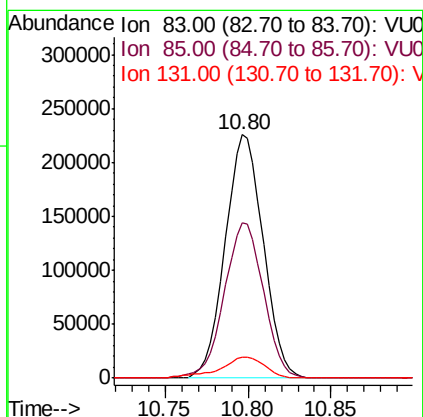
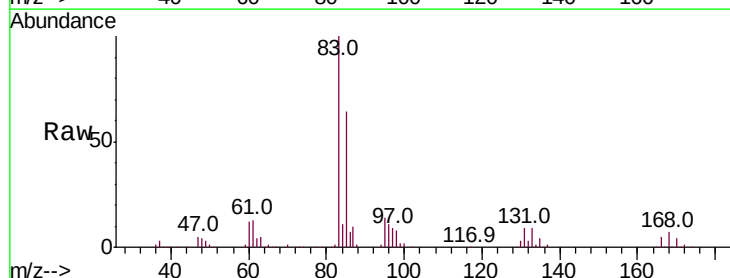
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBFD9

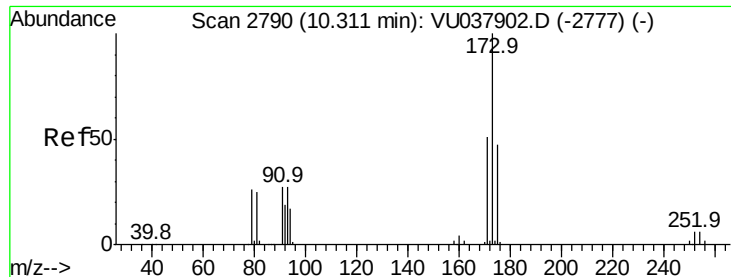
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.4  | 65.7  | 122.1 |
| 188     | 3.0   | 2.9   | 4.3   |



#58  
 1,1,2,2-Tetrachloroethane  
 Concen: 41.772 ug/L  
 RT: 10.80 min Scan# 2941  
 Delta R.T. -0.00 min  
 Lab File: VU037906.D  
 Acq: 29 Apr 2020 11:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.9  | 43.8  | 81.4  |
| 131     | 8.7   | 7.2   | 10.8  |

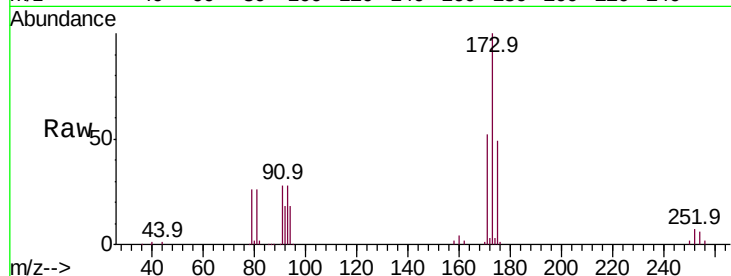




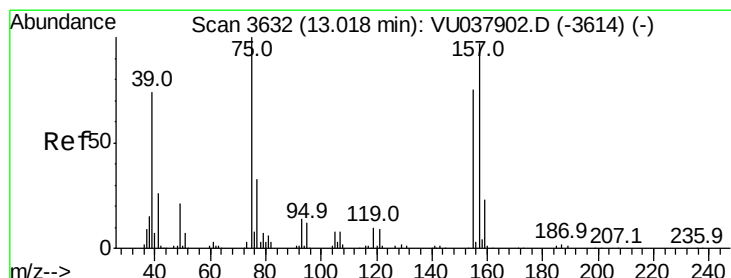
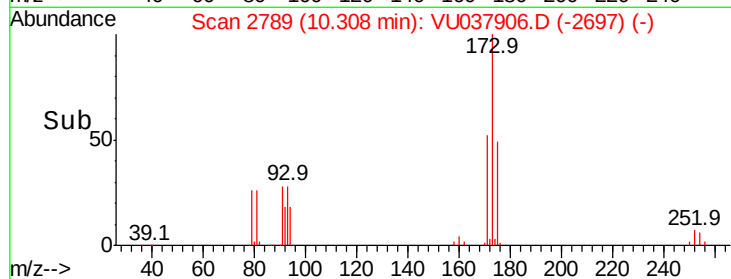
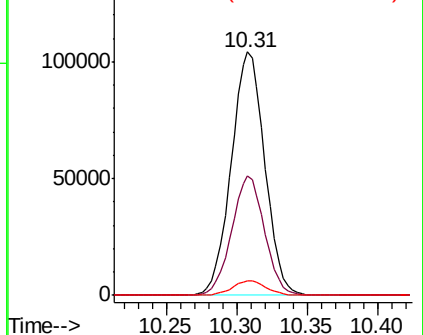
#61  
Bromoform  
Concen: 47.346 ug/L  
RT: 10.31 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: VU037906.D  
Acq: 29 Apr 2020 11:52

Instrument :  
MSVOA\_U  
ClientSampled :  
DBFD9

Tot Ion:173 Resp: 173383  
Ion Ratio Lower Upper  
173 100  
175 47.9 38.8 58.2  
254 6.0 5.8 8.8

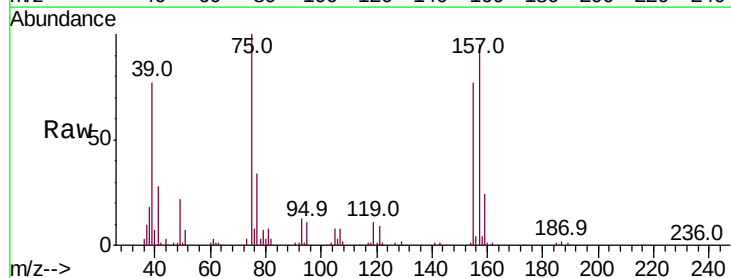


Abundance Ion 173.00 (172.70 to 173.70): V  
Ion 175.00 (174.70 to 175.70): V  
Ion 254.00 (253.70 to 254.70): V



#66  
1,2-Dibromo-3-chloropropane  
Concen: 38.365 ug/L  
RT: 13.01 min Scan# 3631  
Delta R.T. -0.00 min  
Lab File: VU037906.D  
Acq: 29 Apr 2020 11:52

Tgt Ion: 75 Resp: 84649  
Ion Ratio Lower Upper  
75 100  
155 77.5 59.6 89.4  
157 94.8 77.2 115.8



Abundance Ion 75.00 (74.70 to 75.70): VU0  
Ion 155.00 (154.70 to 155.70): V  
Ion 157.00 (156.70 to 157.70): V

