

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\  
 Data File : VU037502.D  
 Acq On : 31 Mar 2020 17:42  
 Operator : JC/MD  
 Sample : L2065-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 01 01:27:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR033120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Apr 01 01:25:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 115014   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 108481   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 52242    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 34166    | 4.09     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.80% |
| 7) Chloroethane-d5             | 1.93   | 69    | 29625    | 4.06     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 81.20% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 71168    | 4.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 86.60% |
| 20) 2-Butanone-d5              | 4.67   | 46    | 110375   | 42.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 85.30% |
| 24) Chloroform-d               | 5.11   | 84    | 68665    | 4.28     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.60% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 37491    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.60% |
| 32) Benzene-d6                 | 5.76   | 84    | 131548   | 4.14     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.80% |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 43485    | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 83.60% |
| 41) Toluene-d8                 | 7.92   | 98    | 118916   | 4.06     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.20% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 19180    | 4.13     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.60% |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 93072    | 43.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 37289    | 4.30     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 41094    | 4.06     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 81.20% |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc  | Units | Ovalue |
|--------------------------------|------|------|----------|-------|-------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85   | 22548    | 2.592 | ug/L  | 97     |
| 3) Chloromethane               | 1.53 | 50   | 59235    | 6.788 | ug/L  | 97     |
| 5) Vinyl chloride              | 1.62 | 62   | 46739    | 4.964 | ug/L  | 95     |
| 6) Bromomethane                | 1.87 | 94   | 20411    | 4.262 | ug/L  | 92     |
| 8) Chloroethane                | 1.95 | 64   | 24129    | 4.471 | ug/L  | 95     |
| 9) Trichlorofluoromethane      | 2.16 | 101  | 119708   | 9.137 | ug/L  | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101  | 32813    | 4.330 | ug/L  | 99     |
| 12) 1,1-Dichloroethene         | 2.60 | 96   | 41221    | 5.348 | ug/L  | 96     |
| 16) Methylene chloride         | 3.08 | 84   | 26440    | 3.073 | ug/L  | 98     |
| 17) Methyl tert-butyl Ether    | 3.40 | 73   | 106710   | 5.013 | ug/L  | 98     |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96   | 50551    | 6.275 | ug/L  | 96     |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96   | 53043    | 5.922 | ug/L  | 98     |
| 23) Bromochloromethane         | 5.02 | 128  | 7257     | 1.964 | ug/L  | 92     |
| 25) Chloroform                 | 5.13 | 83   | 68054    | 4.421 | ug/L  | 98     |
| 27) 1,2-Dichloroethane         | 5.83 | 62   | 48075    | 4.614 | ug/L  | 99     |
| 29) 1,1,1-Trichloroethane      | 5.36 | 97   | 64602    | 4.694 | ug/L  | 97     |
| 31) Carbon tetrachloride       | 5.56 | 117  | 55516    | 4.895 | ug/L  | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\  
 Data File : VU037502.D  
 Acq On : 31 Mar 2020 17:42  
 Operator : JC/MD  
 Sample : L2065-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

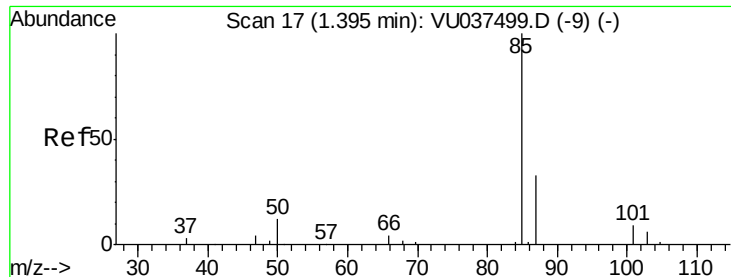
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 01 01:27:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR033120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Apr 01 01:25:39 2020  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 34) Trichloroethene           | 6.57  | 95   | 71195    | 7.913 | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.73  | 83   | 10281    | 0.698 | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.83  | 63   | 43273    | 4.831 | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.14  | 83   | 23582    | 1.992 | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 7.64  | 75   | 25300    | 1.817 | ug/L   | 99       |
| 42) Toluene                   | 8.00  | 91   | 103798   | 2.914 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.43  | 97   | 48182    | 7.541 | ug/L   | 94       |
| 47) Tetrachloroethene         | 8.58  | 164  | 30282    | 5.129 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.83  | 129  | 43706    | 5.588 | ug/L   | 88       |
| 52) Ethylbenzene              | 9.59  | 91   | 395688   | 9.560 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.59  | 106  | 121159   | 7.873 | ug/L # | 26       |
| 54) o-Xylene                  | 10.12 | 106  | 43318    | 2.970 | ug/L   | 93       |
| 55) Styrene                   | 10.13 | 104  | 69939    | 2.755 | ug/L   | 99       |
| 56) Isopropylbenzene          | 10.50 | 105  | 274342   | 6.968 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 10.80 | 83   | 37360    | 4.304 | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane    | 11.83 | 75   | 8247     | 1.339 | ug/L   | 89       |
| 62) 1,3-Dichlorobenzene       | 11.76 | 146  | 34363    | 1.992 | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene       | 11.76 | 146  | 34363    | 1.968 | ug/L   | 99       |
| 65) 1,2-Dichlorobenzene       | 12.23 | 146  | 31774    | 1.957 | ug/L   | 97       |

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





#2

Dichlorodifluoromethane

Concen: 2.592 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

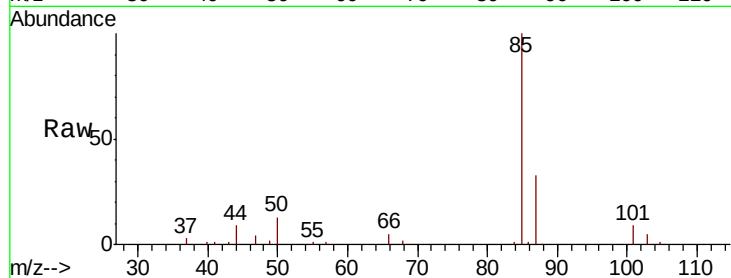
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 85 Resp: 22548

Ion Ratio Lower Upper

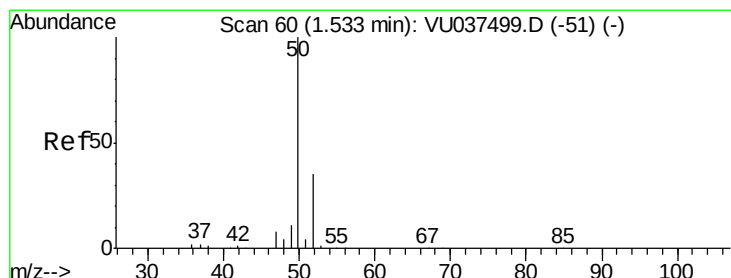
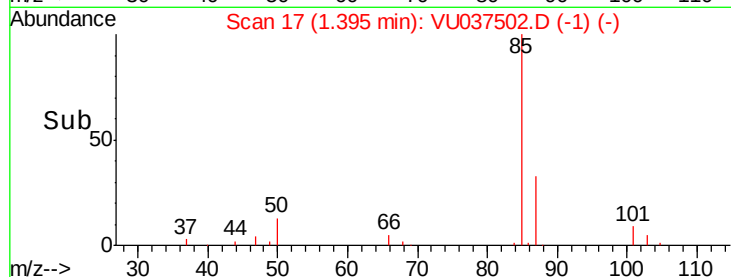
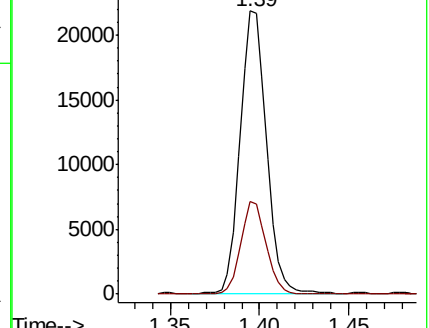
85 100

87 31.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU037499.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037499.D (-9) (-)



#3

Chloromethane

Concen: 6.788 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037502.D

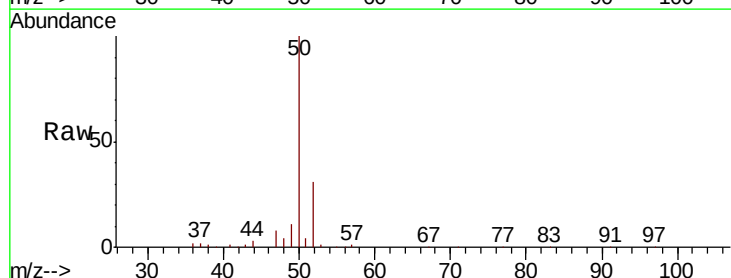
Acq: 31 Mar 2020 17:42

Tgt Ion: 50 Resp: 59235

Ion Ratio Lower Upper

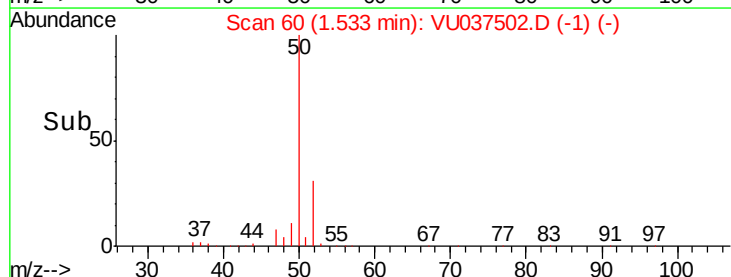
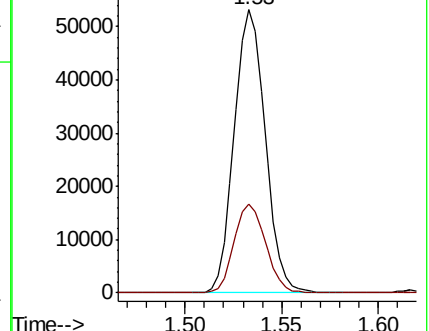
50 100

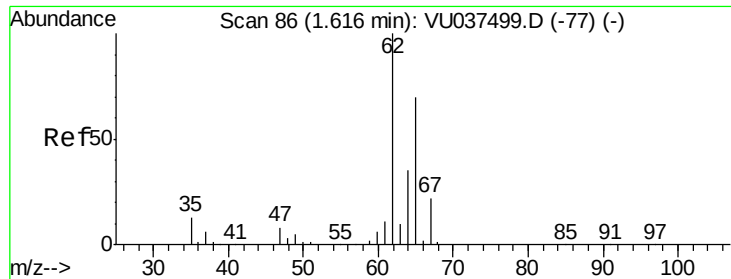
52 31.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VU037499.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037499.D (-51) (-)





#5

Vinyl chloride

Concen: 4.964 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

Instrument :

MSVOA\_U

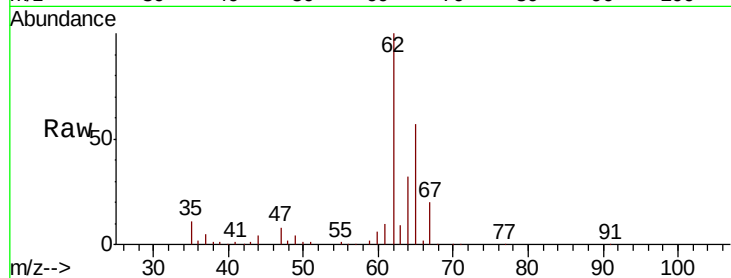
ClientSampleId :

Tot Ion: 62 Resp: 46739

Ion Ratio Lower Upper

62 100

64 32.4 24.8 46.0



Abundance Ion 62.00 (61.70 to 62.70): VU037499.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037499.D (-77) (-)

1.62

40000

30000

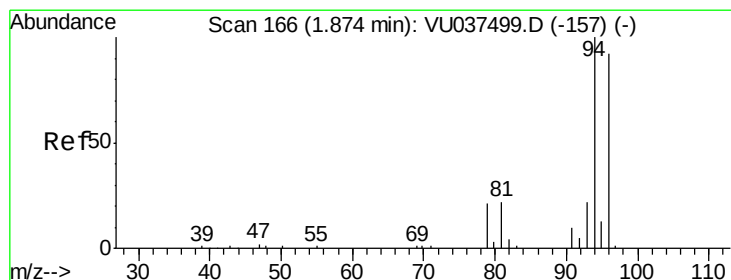
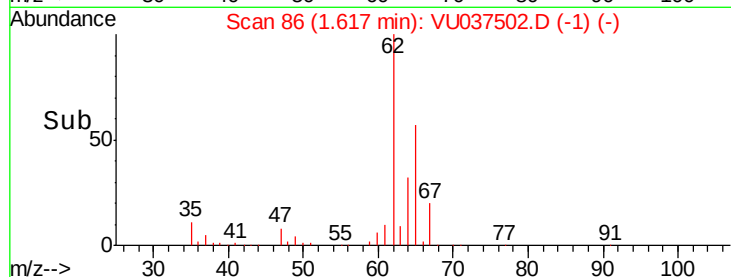
20000

10000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 4.262 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037502.D

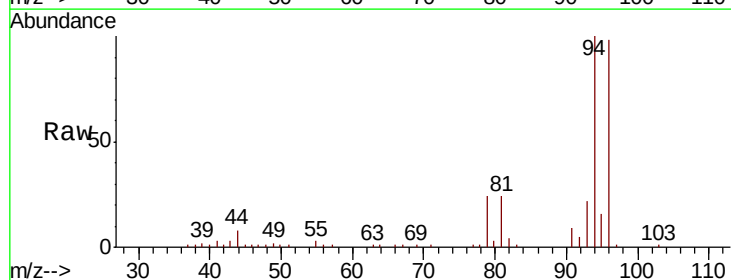
Acq: 31 Mar 2020 17:42

Tgt Ion: 94 Resp: 20411

Ion Ratio Lower Upper

94 100

96 98.2 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU037499.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037499.D (-157) (-)

1.87

20000

15000

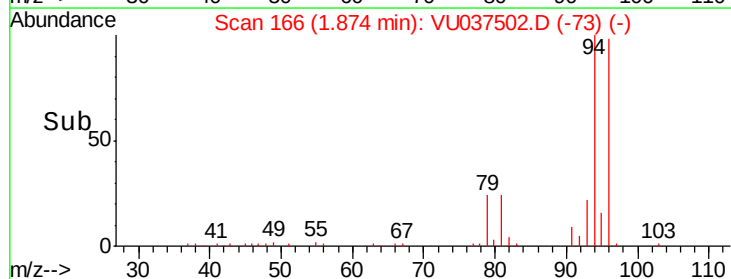
10000

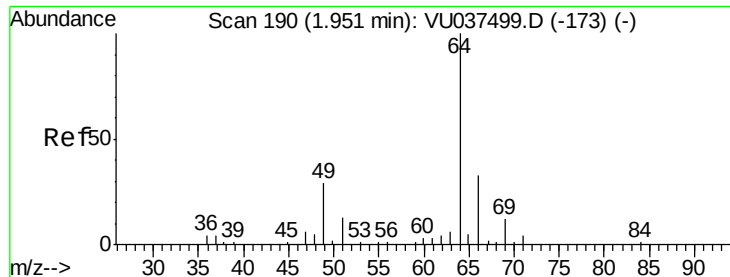
5000

0

1.85 1.90

Time-->





#8

Chloroethane

Concen: 4.471 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

Instrument :

MSVOA\_U

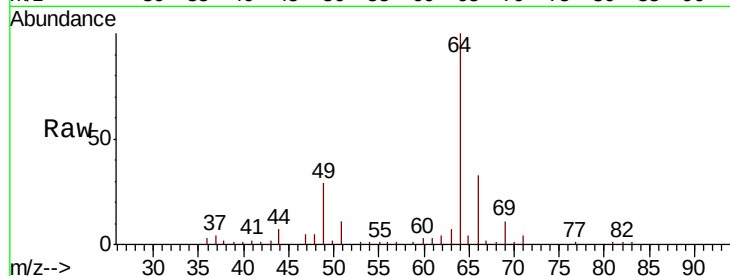
ClientSampled :

Tot Ion: 64 Resp: 24129

Ion Ratio Lower Upper

64 100

66 33.5 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VU037499.D (-173) (-)

Ion 66.05 (65.75 to 66.75): VU037499.D (-173) (-)

1.95

20000

15000

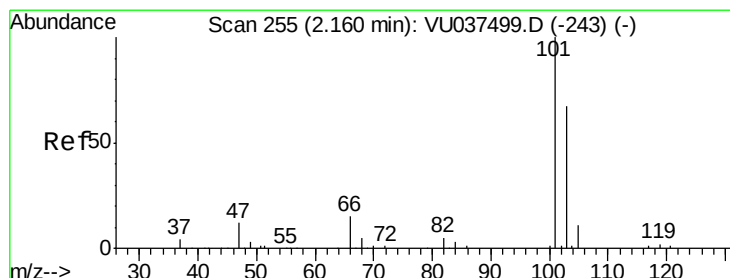
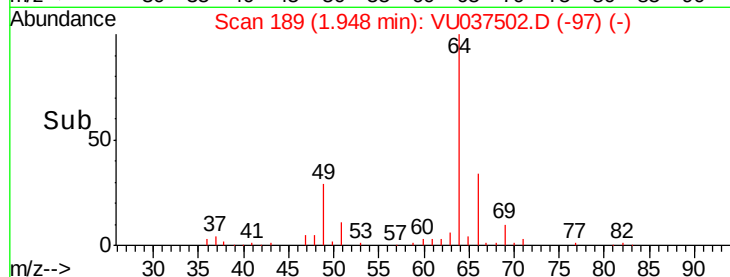
10000

5000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 9.137 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037502.D

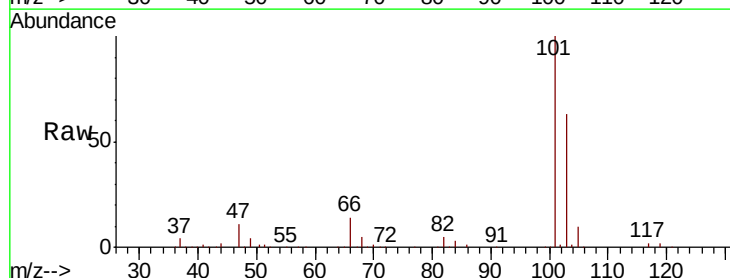
Acq: 31 Mar 2020 17:42

Tgt Ion: 101 Resp: 119708

Ion Ratio Lower Upper

101 100

103 64.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU037499.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU037499.D (-243) (-)

2.16

100000

80000

60000

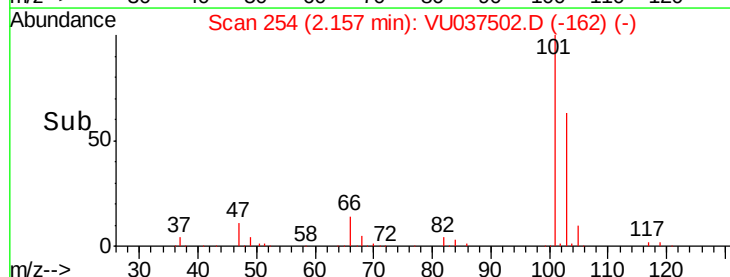
40000

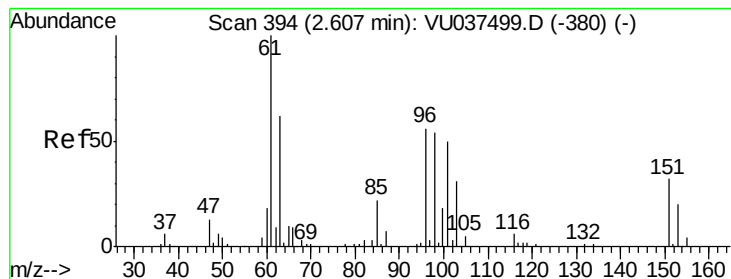
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 4.330 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

Instrument :

MSVOA\_U

ClientSampled :

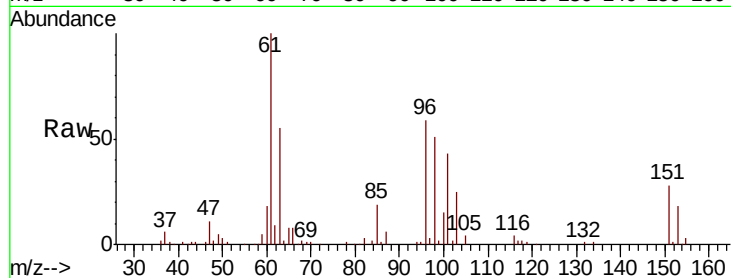
Tot Ion:101 Resp: 32813

Ion Ratio Lower Upper

101 100

85 45.8 36.6 54.8

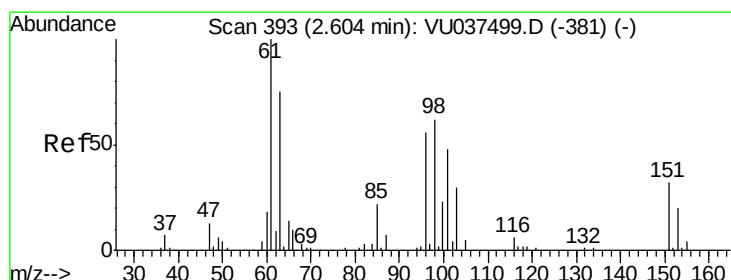
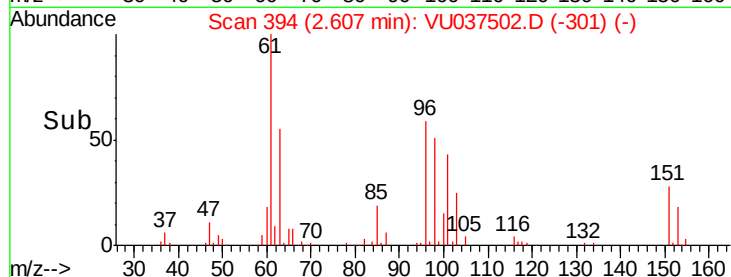
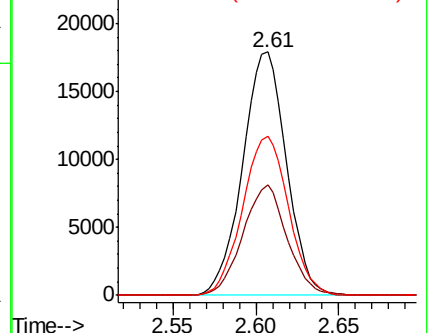
151 68.6 55.9 83.9



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



#12

1,1-Dichloroethene

Concen: 5.348 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

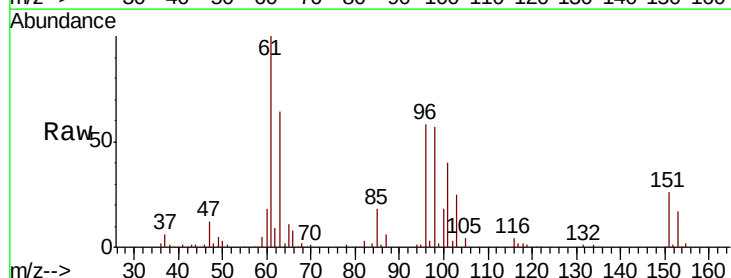
Tgt Ion: 96 Resp: 41221

Ion Ratio Lower Upper

96 100

61 173.3 116.2 215.8

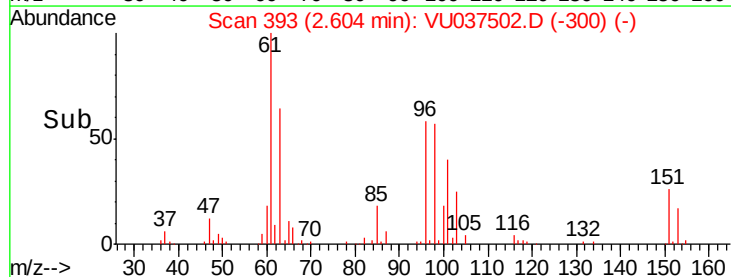
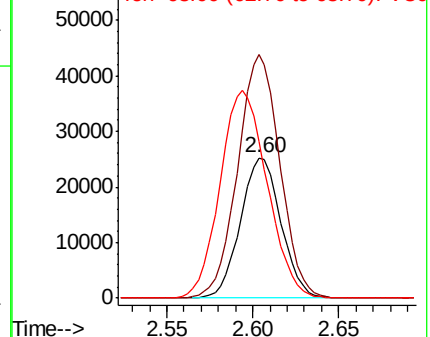
63 111.6 79.2 147.0

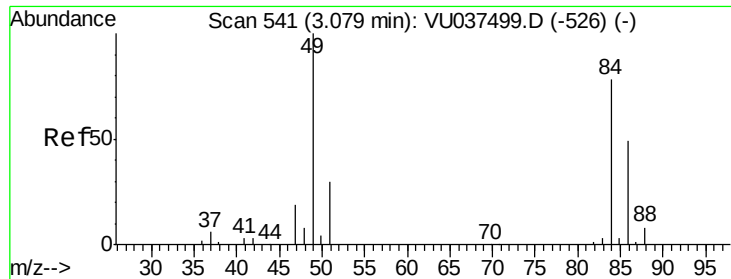


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

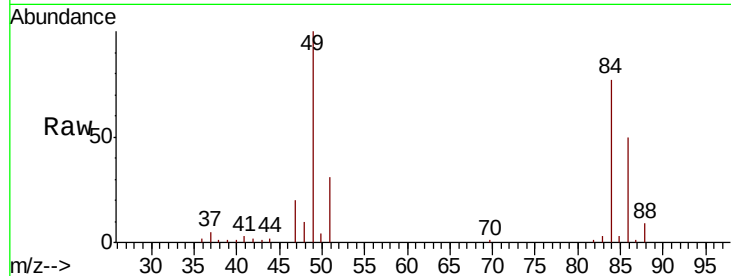




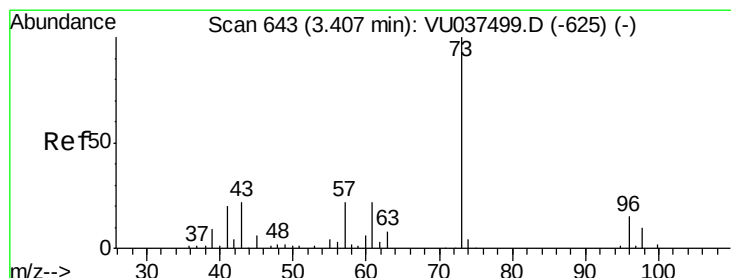
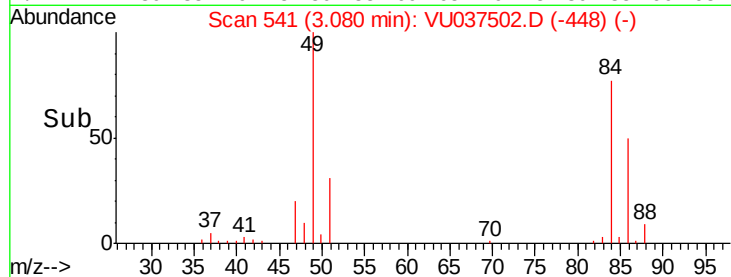
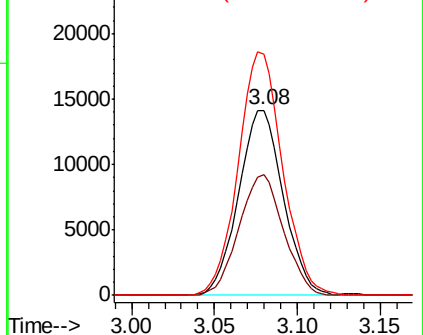
#16  
Methylene chloride  
Concen: 3.073 ug/L  
RT: 3.08 min Scan# 541  
Delta R.T. 0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 84 Resp: 26440  
Ion Ratio Lower Upper  
84 100  
86 65.5 44.7 82.9  
49 130.5 92.7 172.3

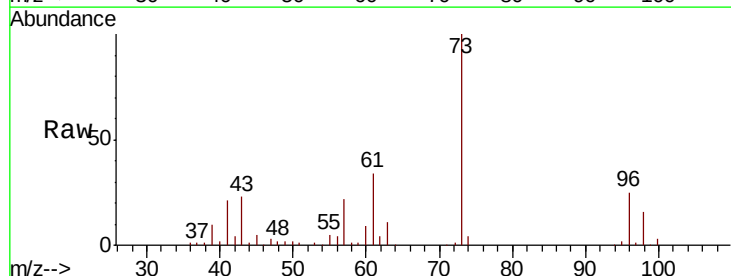


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

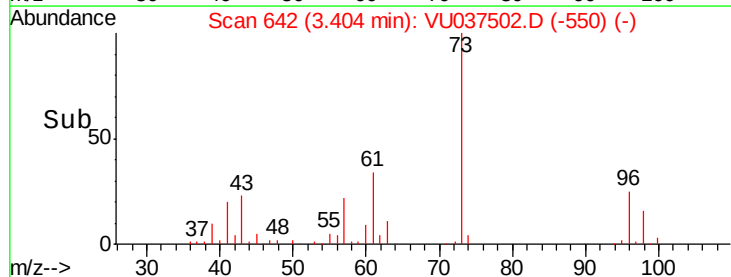
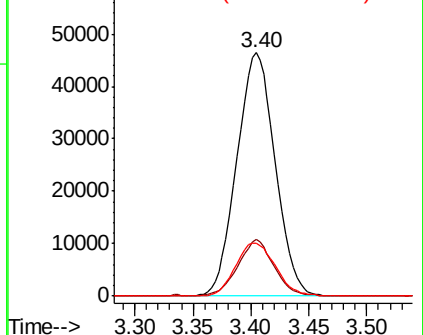


#17  
Methyl tert-butyl Ether  
Concen: 5.013 ug/L  
RT: 3.40 min Scan# 642  
Delta R.T. -0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

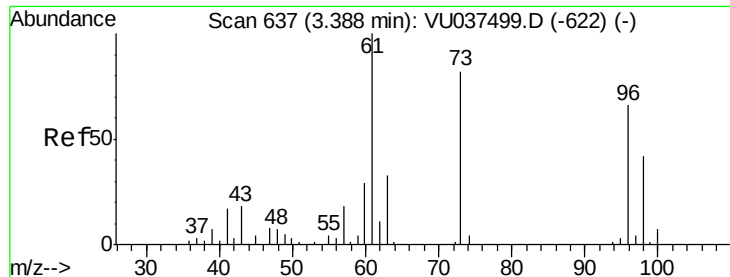
Tgt Ion: 73 Resp: 106710  
Ion Ratio Lower Upper  
73 100  
43 22.2 17.4 26.2  
57 23.0 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VU0  
Ion 43.05 (42.75 to 43.75): VU0  
Ion 57.10 (56.80 to 57.80): VU0



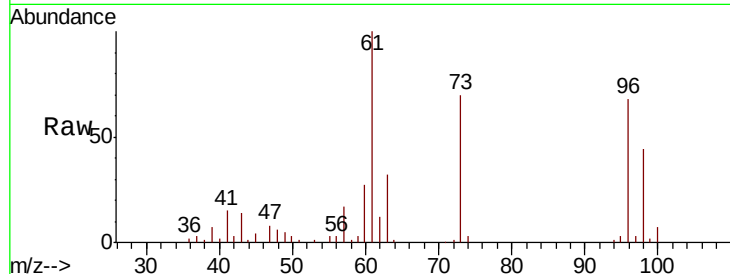




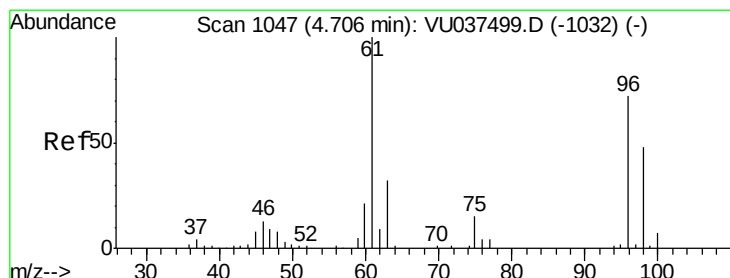
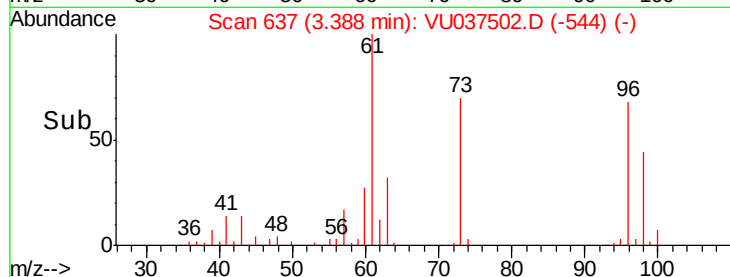
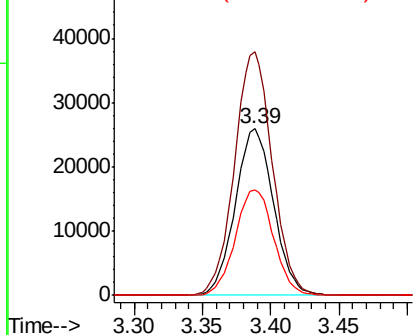
#18  
trans-1,2-Dichloroethene  
Concen: 6.275 ug/L  
RT: 3.39 min Scan# 637  
Delta R.T. 0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 96 Resp: 50551  
Ion Ratio Lower Upper  
96 100  
61 146.4 105.3 195.6  
98 63.7 42.3 78.5

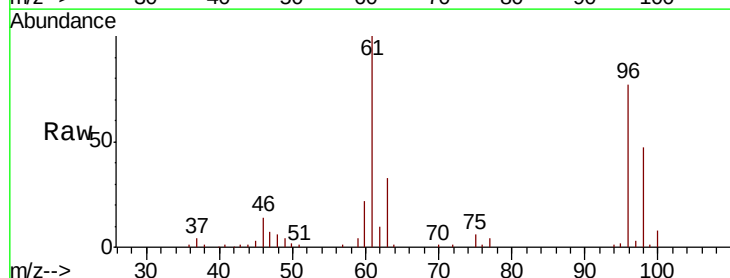


Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 97.95 (97.65 to 98.65): VU0

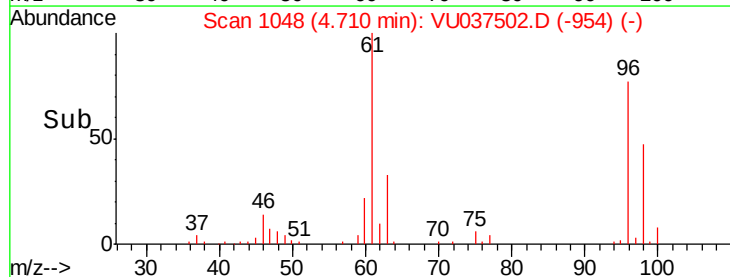
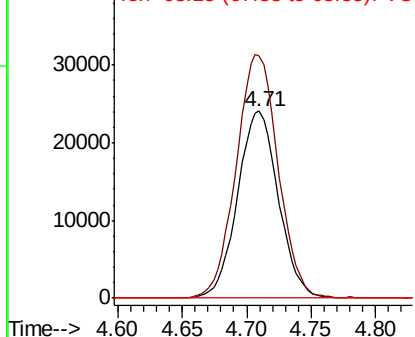


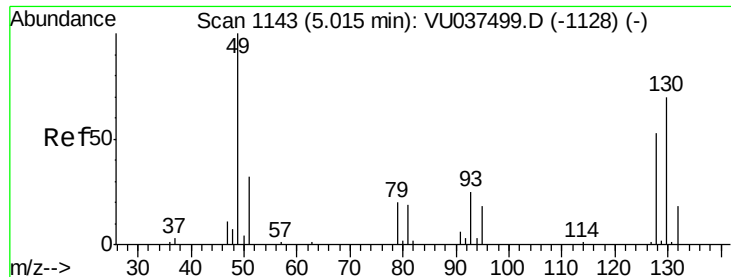
#22  
cis-1,2-Dichloroethene  
Concen: 5.922 ug/L  
RT: 4.71 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Tgt Ion: 96 Resp: 53043  
Ion Ratio Lower Upper  
96 100  
61 129.9 89.1 165.5  
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 68.15 (67.85 to 68.85): VU0

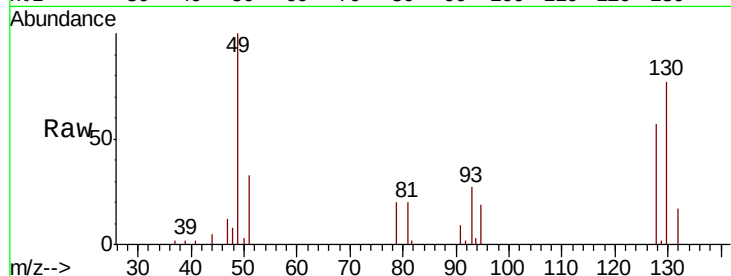




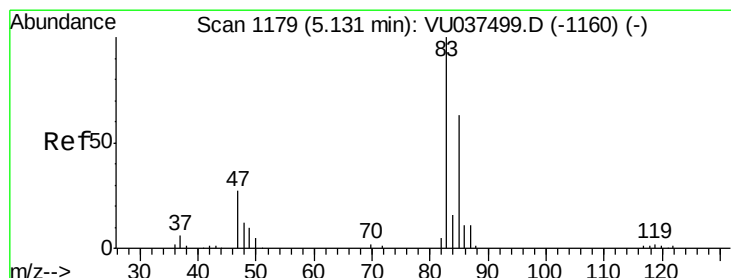
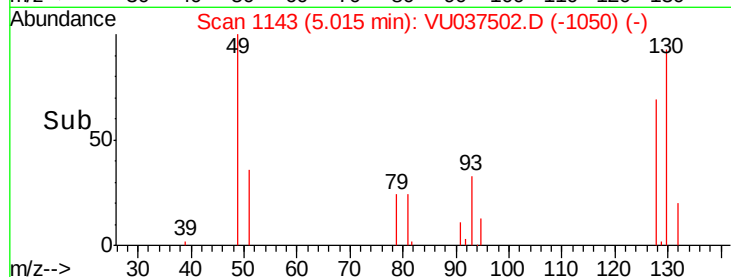
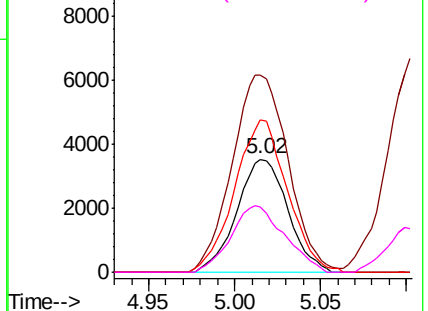
#23  
Bromochloromethane  
Concen: 1.964 ug/L  
RT: 5.02 min Scan# 1143  
Delta R.T. 0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion:128 Resp: 7257  
Ion Ratio Lower Upper  
128 100  
49 174.5 132.4 245.8  
130 134.6 88.6 164.6  
51 57.3 45.4 68.0

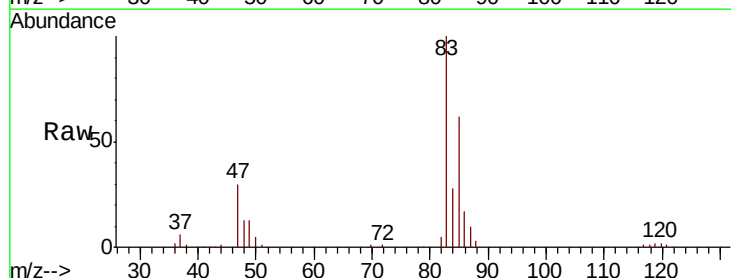


Abundance Ion 127.90 (127.60 to 128.60): V  
Ion 49.10 (48.80 to 49.80): VU0  
Ion 129.95 (129.65 to 130.65): V  
Ion 51.05 (50.75 to 51.75): VU0

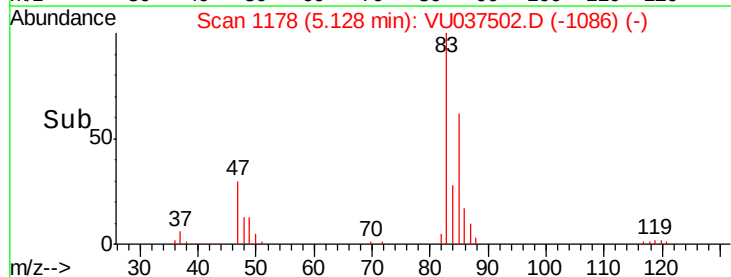
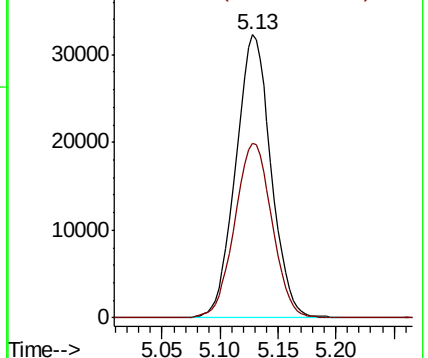


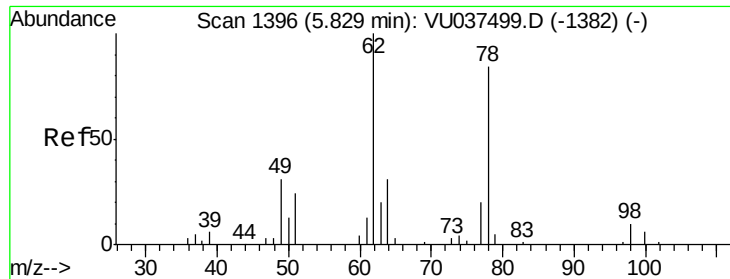
#25  
Chloroform  
Concen: 4.421 ug/L  
RT: 5.13 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Tgt Ion: 83 Resp: 68054  
Ion Ratio Lower Upper  
83 100  
85 61.8 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VU0  
Ion 85.00 (84.70 to 85.70): VU0

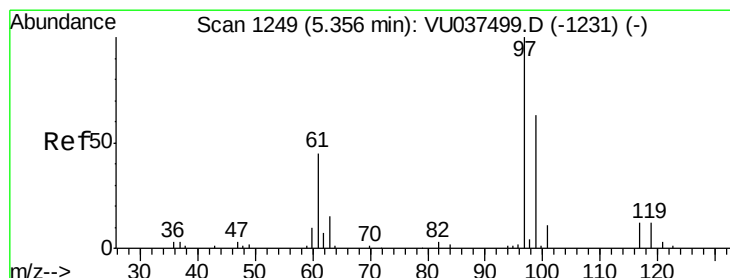
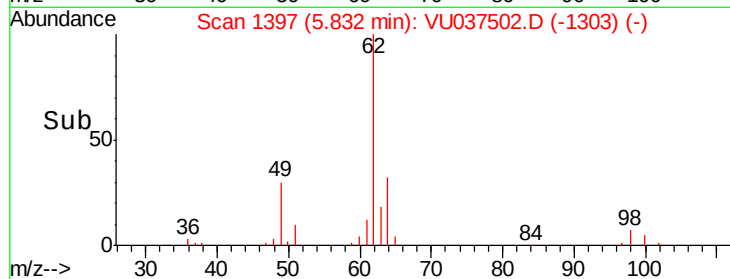
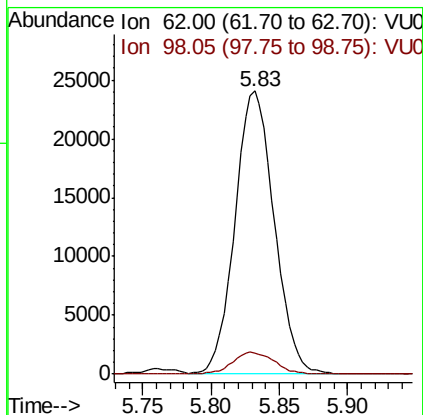
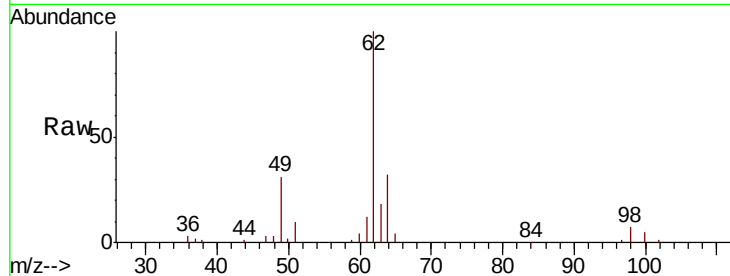




#27  
 1,2-Dichloroethane  
 Concen: 4.614 ug/L  
 RT: 5.83 min Scan# 1397  
 Delta R.T. 0.00 min  
 Lab File: VU037502.D  
 Acq: 31 Mar 2020 17:42

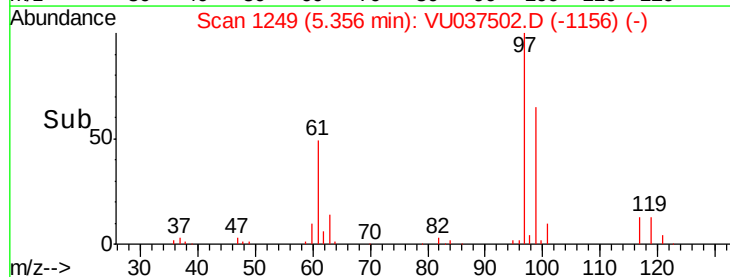
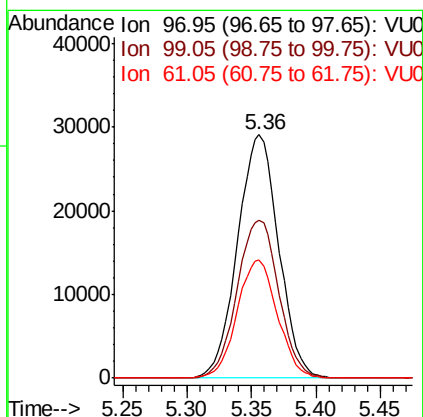
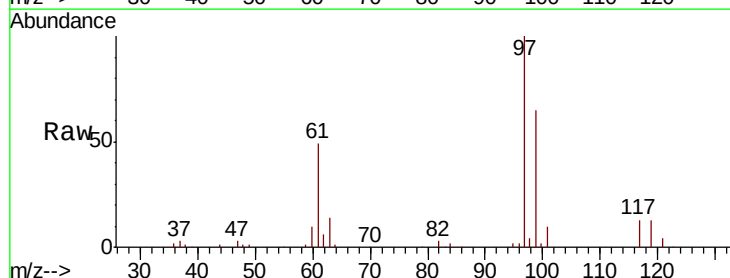
Instrument :  
 MSVOA\_U  
 ClientSampled :

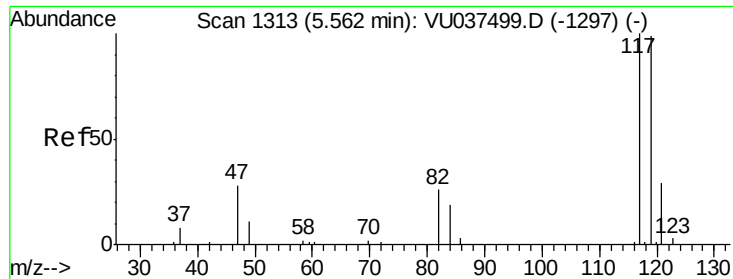
Tot Ion: 62 Resp: 48075  
 Ion Ratio Lower Upper  
 62 100  
 98 7.4 6.3 9.5



#29  
 1,1,1-Trichloroethane  
 Concen: 4.694 ug/L  
 RT: 5.36 min Scan# 1249  
 Delta R.T. 0.00 min  
 Lab File: VU037502.D  
 Acq: 31 Mar 2020 17:42

Tgt Ion: 97 Resp: 64602  
 Ion Ratio Lower Upper  
 97 100  
 99 65.6 50.9 76.3  
 61 47.6 36.5 54.7



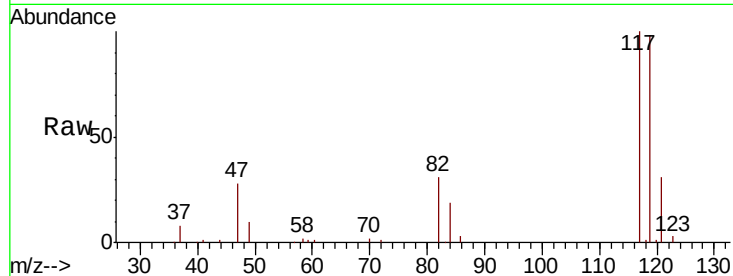


#31

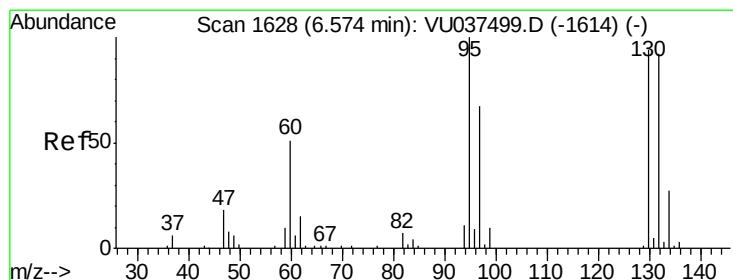
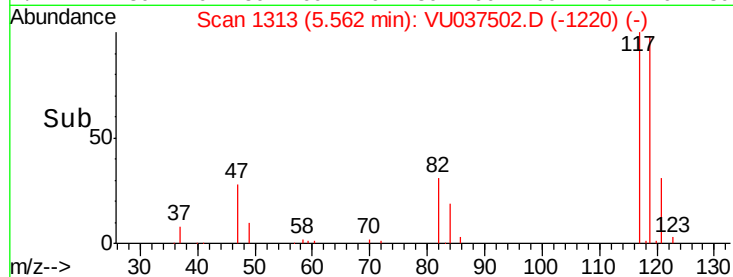
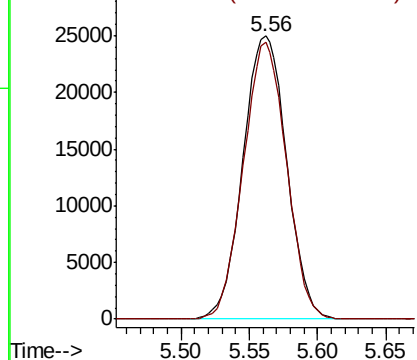
Carbon tetrachloride  
Concen: 4.895 ug/L  
RT: 5.56 min Scan# 1313  
Delta R.T. 0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion:117 Resp: 55516  
Ion Ratio Lower Upper  
117 100  
119 96.1 77.6 116.4



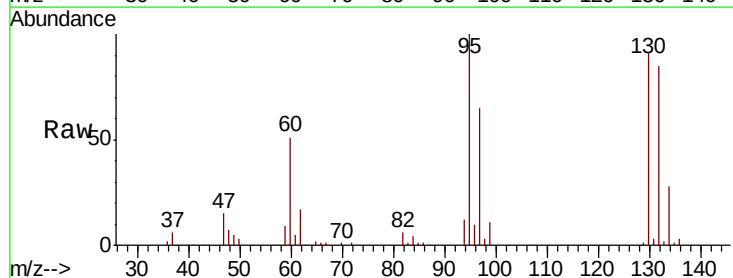
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 118.90 (118.60 to 119.60): V



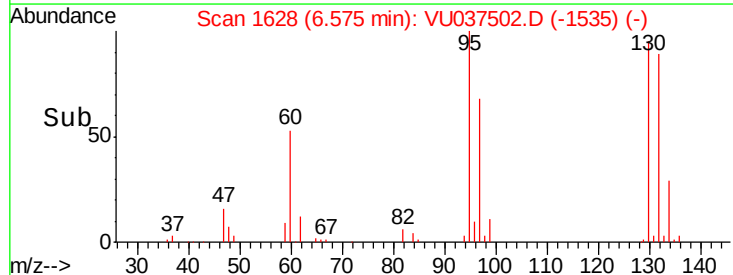
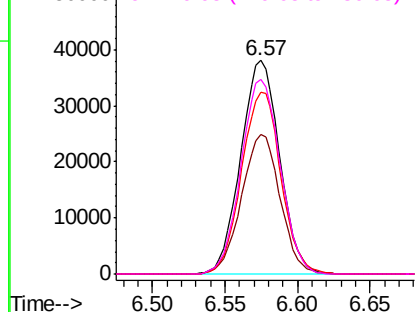
#34

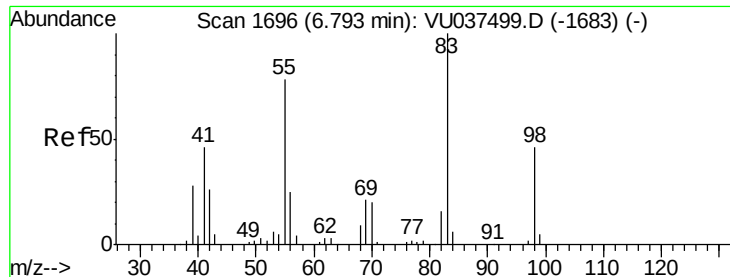
Trichloroethene  
Concen: 7.913 ug/L  
RT: 6.57 min Scan# 1628  
Delta R.T. 0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Tgt Ion: 95 Resp: 71195  
Ion Ratio Lower Upper  
95 100  
97 65.2 41.8 77.6  
132 84.8 59.8 111.0  
130 90.9 65.0 120.8



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

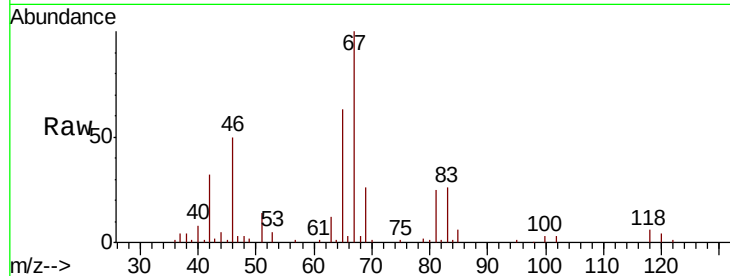




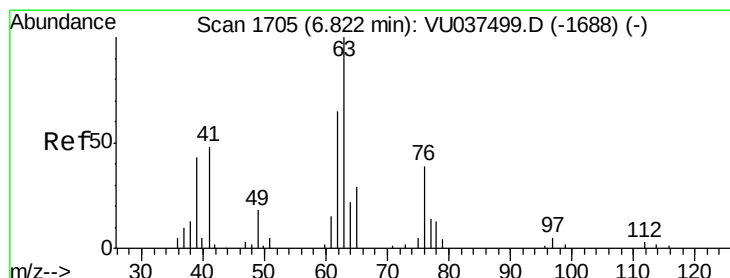
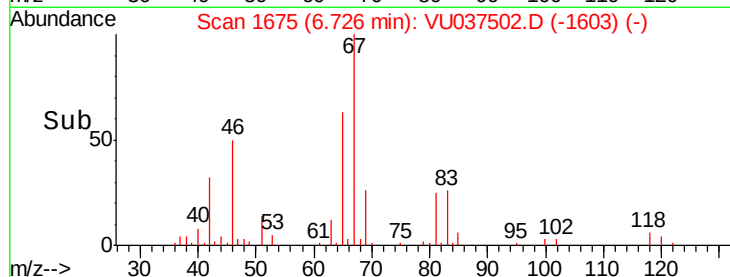
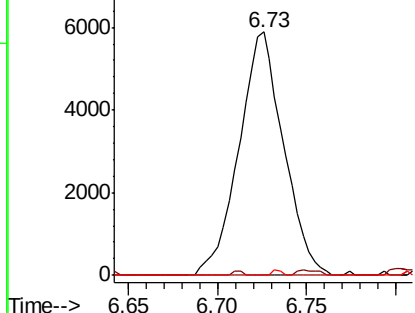
#35  
Methylvlcyclohexane  
Concen: 0.698 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.07 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 10281  
Ion Ratio Lower Upper  
83 100  
55 0.4 64.4 96.6#  
98 0.0 38.2 57.2#

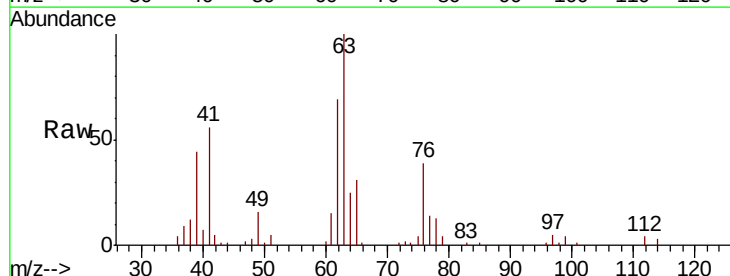


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

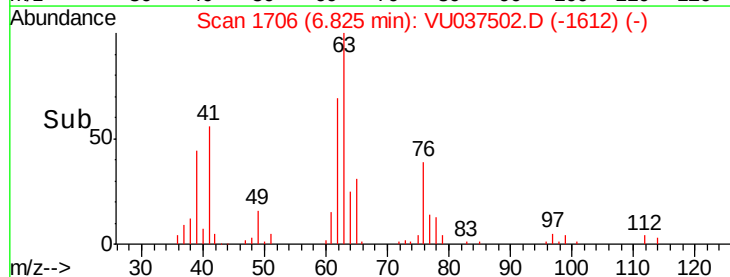
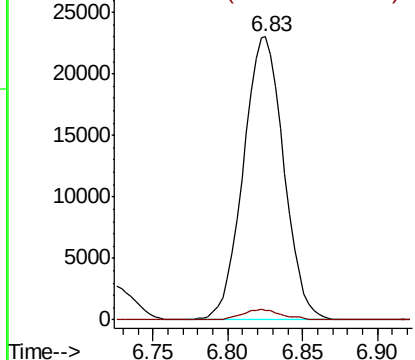


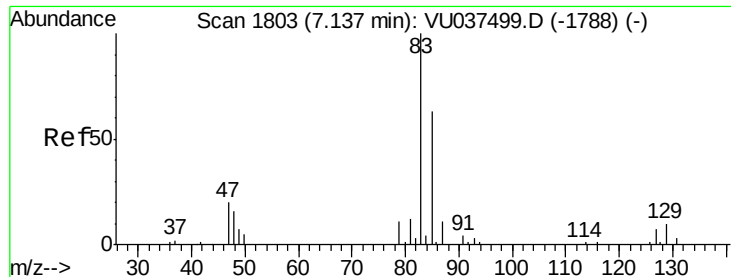
#37  
1,2-Dichloropropane  
Concen: 4.831 ug/L  
RT: 6.83 min Scan# 1706  
Delta R.T. 0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Tgt Ion: 63 Resp: 43273  
Ion Ratio Lower Upper  
63 100  
112 3.5 2.8 4.2



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

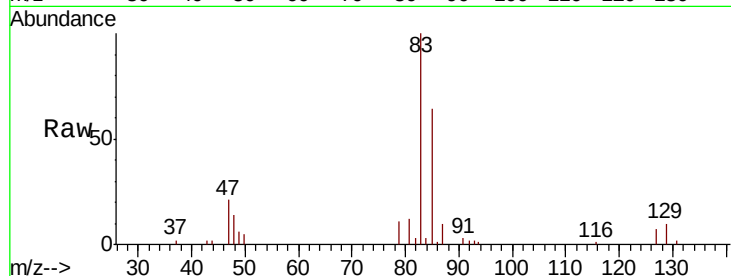




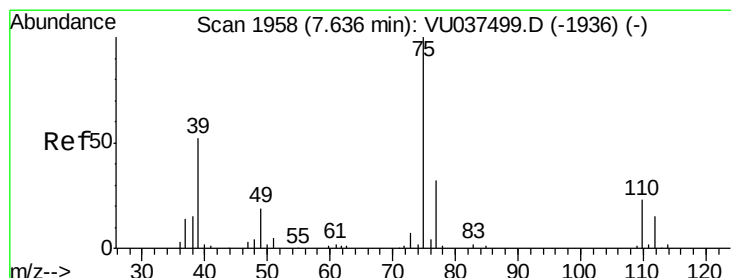
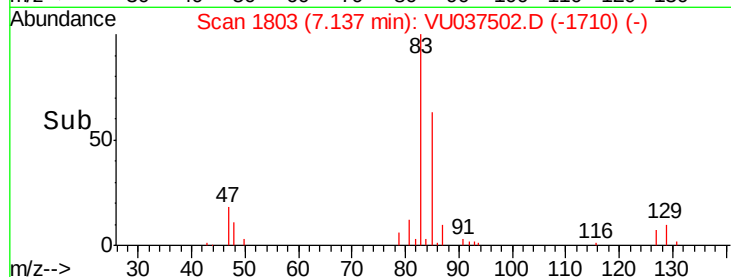
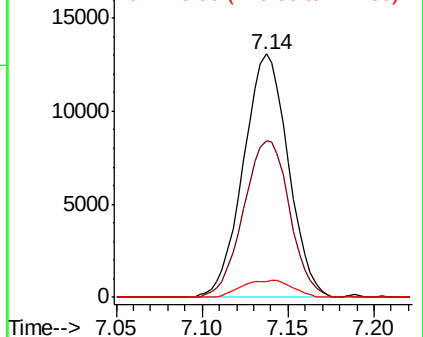
#38  
 Bromodichloromethane  
 Concen: 1.992 ug/L  
 RT: 7.14 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VU037502.D  
 Acq: 31 Mar 2020 17:42

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 83 Resp: 23582  
 Ion Ratio Lower Upper  
 83 100  
 85 64.1 42.7 79.3  
 127 6.7 6.9 10.3#

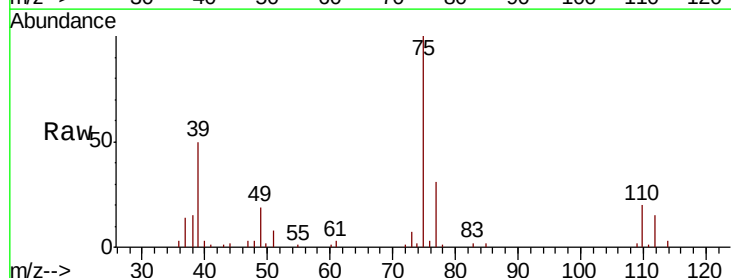


Abundance Ion 82.95 (82.65 to 83.65): VU0  
 Ion 85.00 (84.70 to 85.70): VU0  
 Ion 126.90 (126.60 to 127.60): V

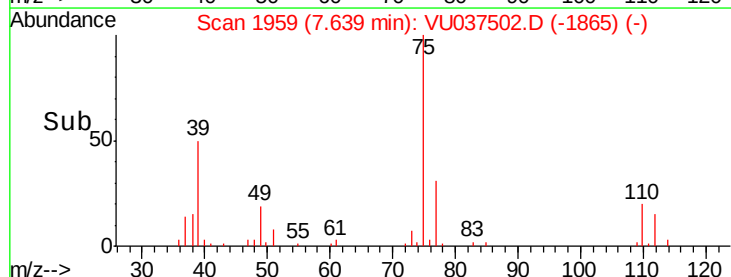
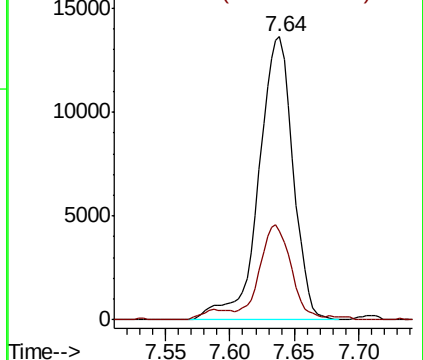


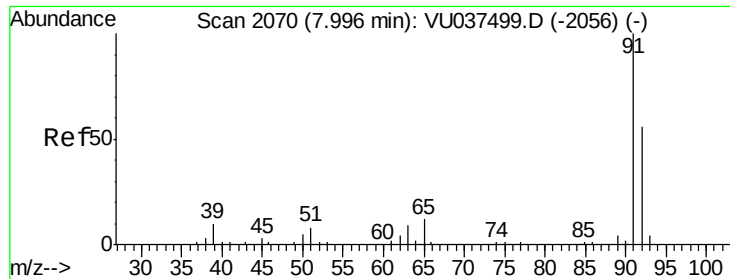
#39  
 cis-1,3-Dichloropropene  
 Concen: 1.817 ug/L  
 RT: 7.64 min Scan# 1959  
 Delta R.T. 0.00 min  
 Lab File: VU037502.D  
 Acq: 31 Mar 2020 17:42

Tgt Ion: 75 Resp: 25300  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU0  
 Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 2.914 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

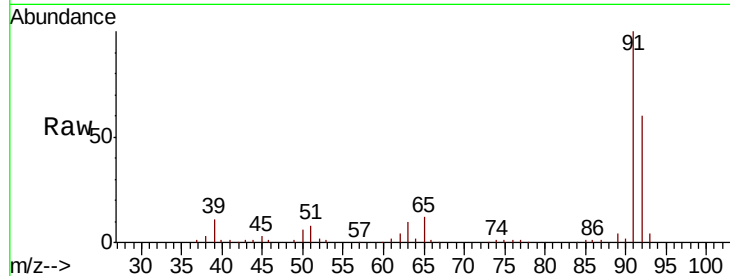
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 91 Resp: 103798

Ion Ratio Lower Upper

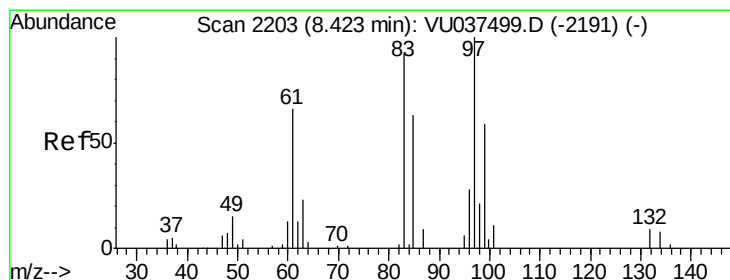
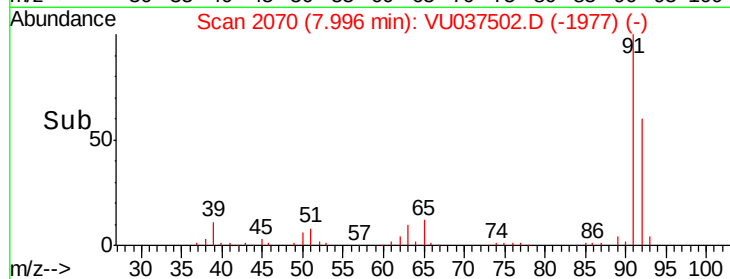
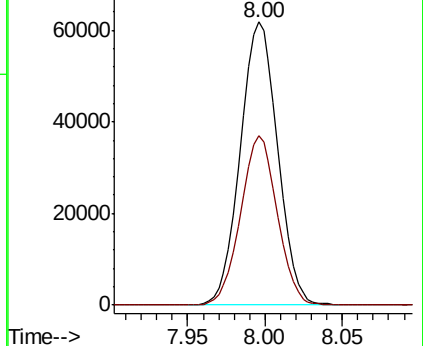
91 100

92 59.7 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU037499.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU037499.D (-2056) (-)



#45

1,1,2-Trichloroethane

Concen: 7.541 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

Tgt Ion: 97 Resp: 48182

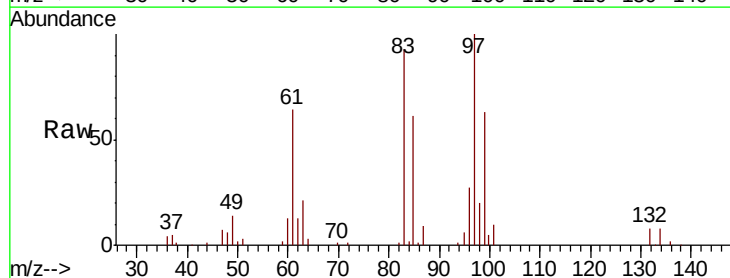
Ion Ratio Lower Upper

97 100

99 62.6 41.6 77.2

83 93.5 61.5 114.1

85 60.6 39.3 73.1

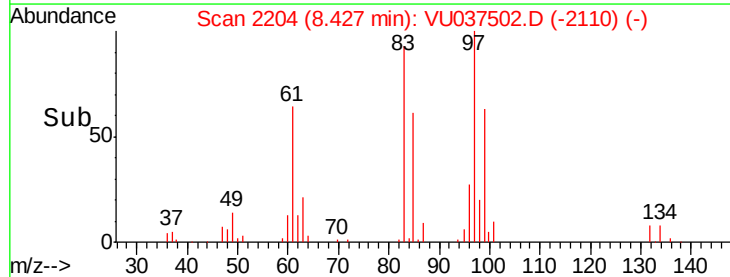
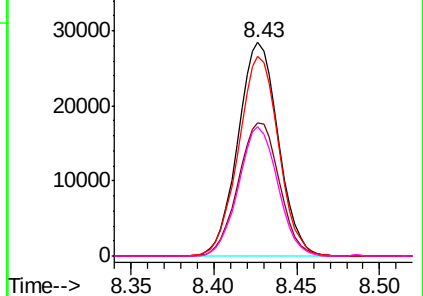


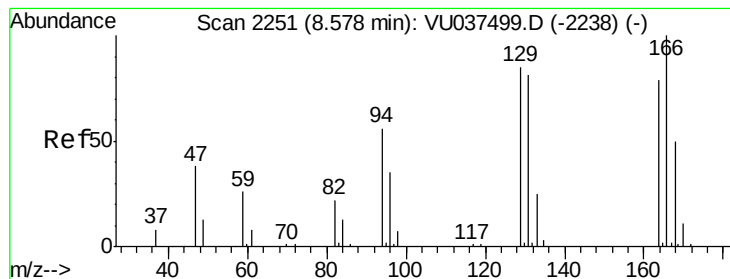
Abundance Ion 96.95 (96.65 to 97.65): VU037499.D (-2191) (-)

Ion 99.05 (98.75 to 99.75): VU037499.D (-2191) (-)

Ion 82.95 (82.65 to 83.65): VU037499.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU037499.D (-2191) (-)





#47

Tetrachloroethene

Concen: 5.129 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion:164 Resp: 30282

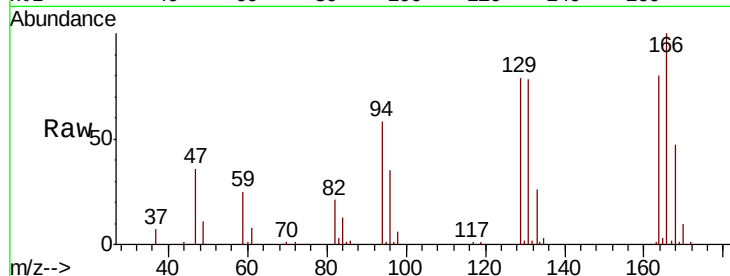
Ion Ratio Lower Upper

164 100

129 98.8 71.3 132.3

131 98.3 67.9 126.1

166 125.5 87.0 161.6

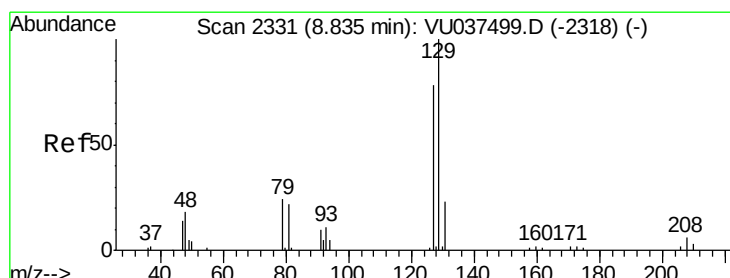
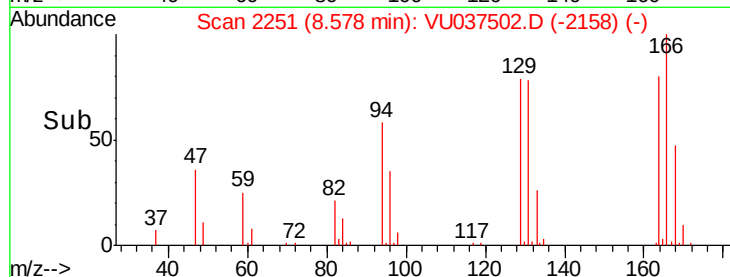
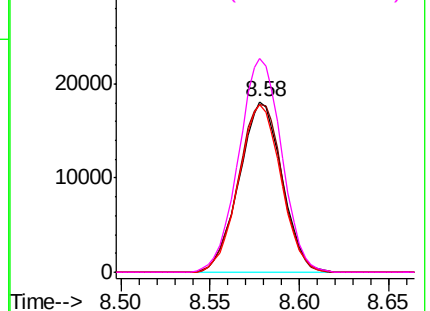


Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.588 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037502.D

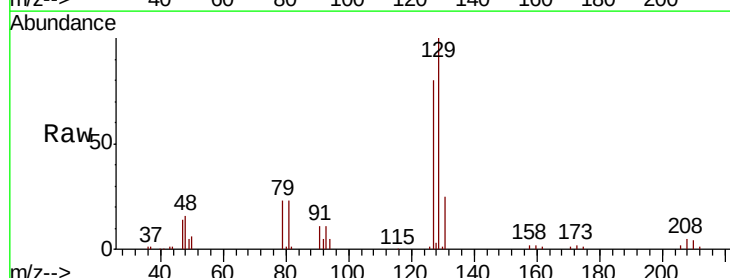
Acq: 31 Mar 2020 17:42

Tgt Ion:129 Resp: 43706

Ion Ratio Lower Upper

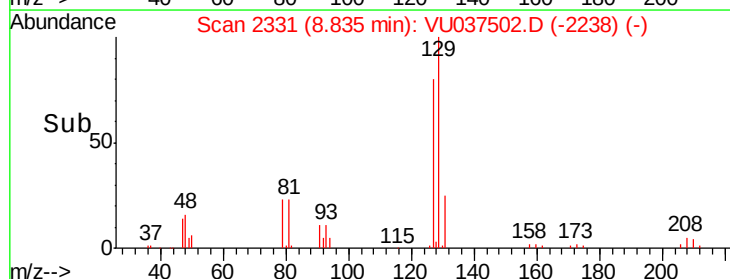
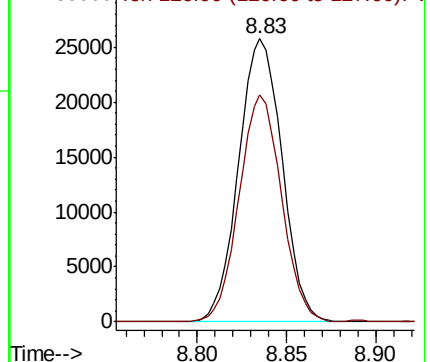
129 100

127 80.2 49.4 91.8

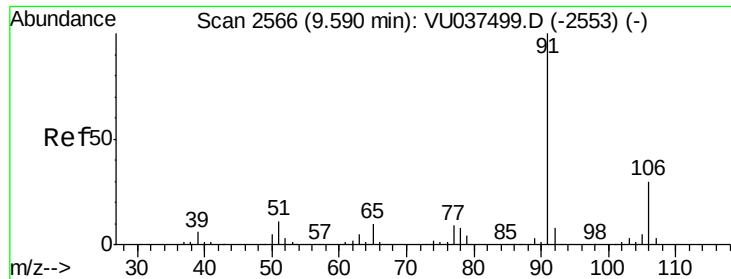


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V







#52

Ethylbenzene

Concen: 9.560 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

Instrument :

MSVOA\_U

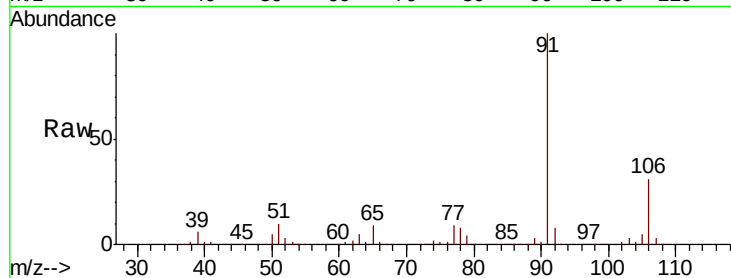
ClientSampled :

Tot Ion: 91 Resp: 395688

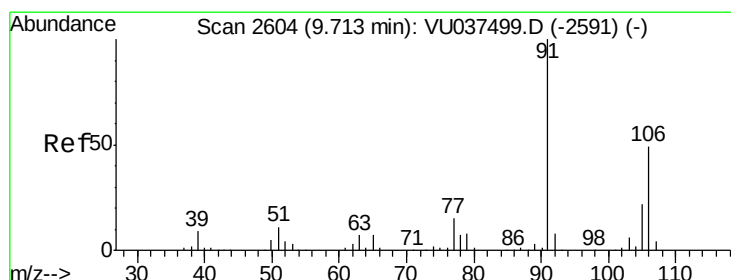
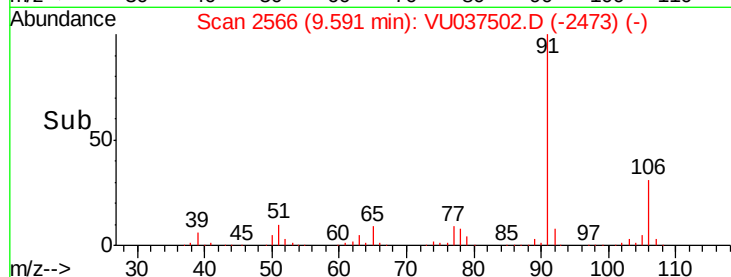
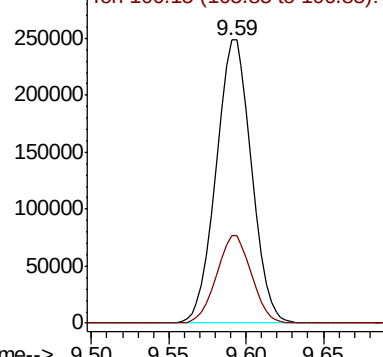
Ion Ratio Lower Upper

91 100

106 30.8 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037499.D (-2553) (-)



#53

m,p-Xylene

Concen: 7.873 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.12 min

Lab File: VU037502.D

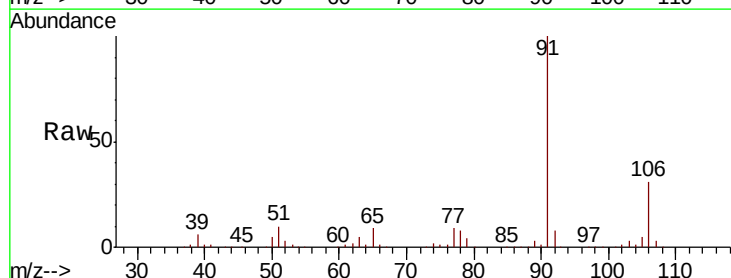
Acq: 31 Mar 2020 17:42

Tgt Ion: 106 Resp: 121159

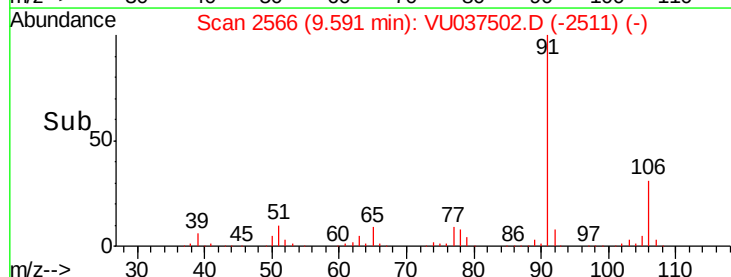
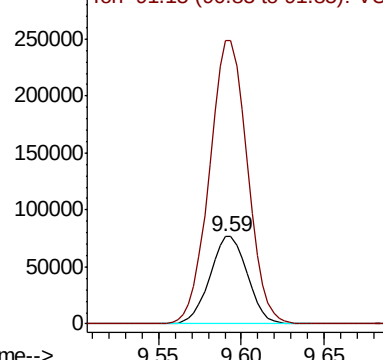
Ion Ratio Lower Upper

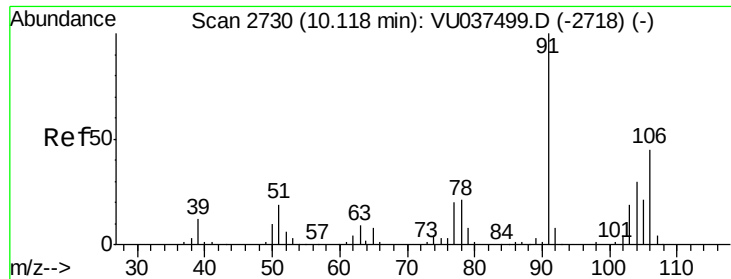
106 100

91 324.4 146.8 272.6#



Abundance Ion 106.15 (105.85 to 106.85): VU037499.D (-2591) (-)

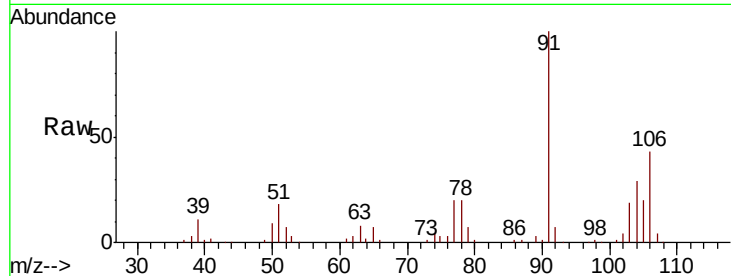




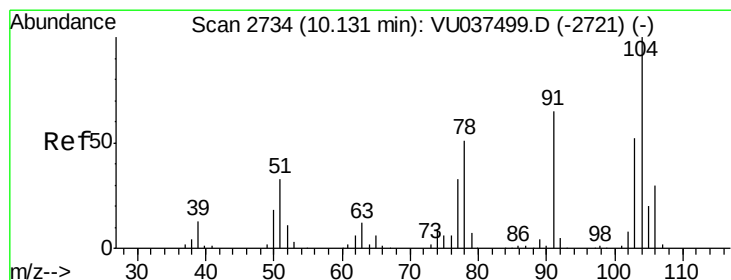
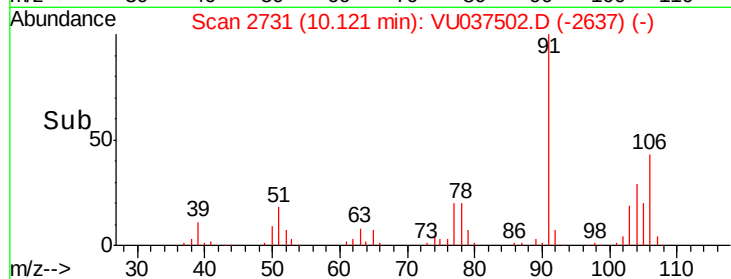
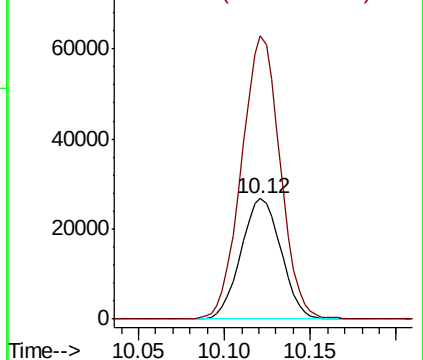
#54  
o-Xylene  
Concen: 2.970 ug/L  
RT: 10.12 min Scan# 2731  
Delta R.T. 0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion:106 Resp: 43318  
Ion Ratio Lower Upper  
106 100  
91 234.4 155.6 289.0

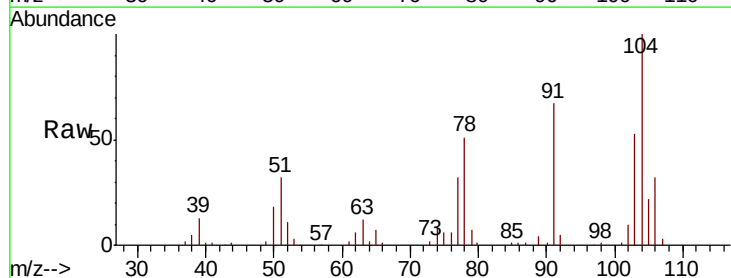


Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VU0

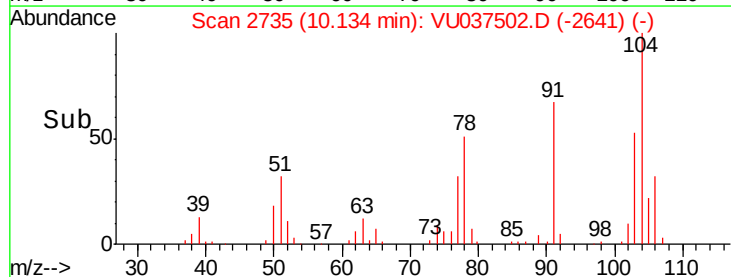
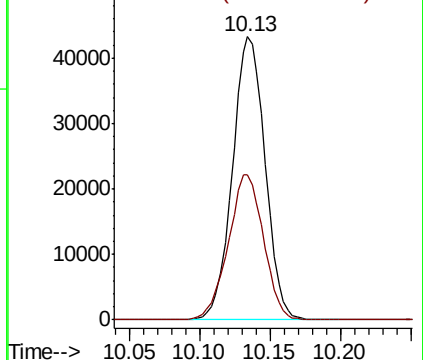


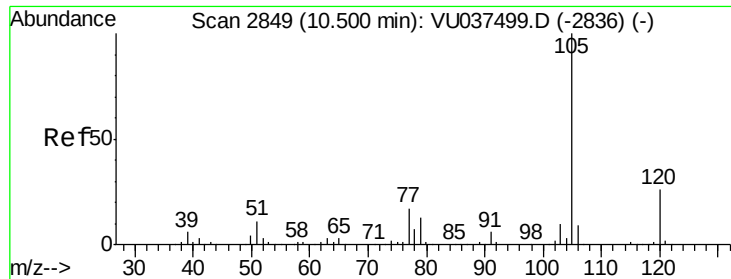
#55  
Styrene  
Concen: 2.755 ug/L  
RT: 10.13 min Scan# 2735  
Delta R.T. 0.00 min  
Lab File: VU037502.D  
Acq: 31 Mar 2020 17:42

Tgt Ion:104 Resp: 69939  
Ion Ratio Lower Upper  
104 100  
78 51.5 35.7 66.3



Abundance Ion 104.10 (103.80 to 104.80): V  
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 6.968 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

Instrument :

MSVOA\_U

ClientSampleId :

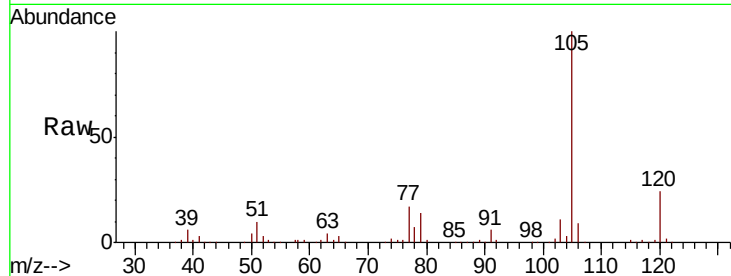
Tot Ion:105 Resp: 274342

Ion Ratio Lower Upper

105 100

120 24.6 20.5 30.7

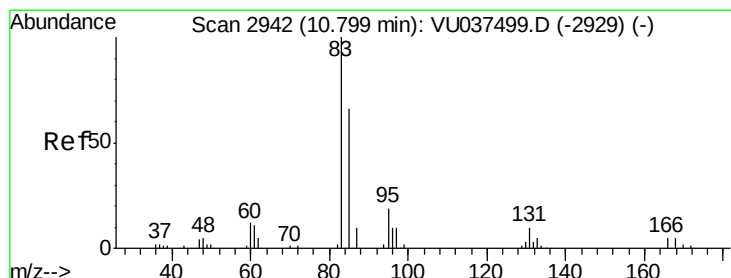
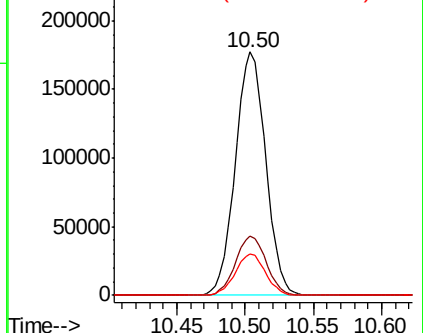
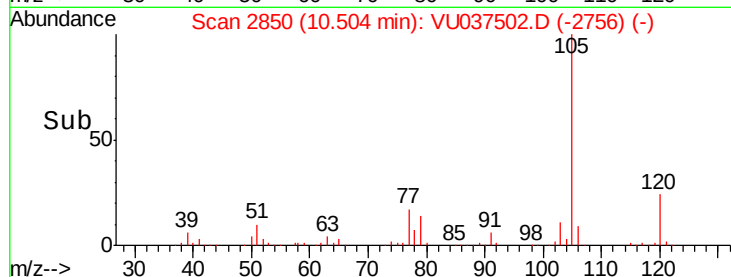
77 16.9 13.6 20.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.304 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037502.D

Acq: 31 Mar 2020 17:42

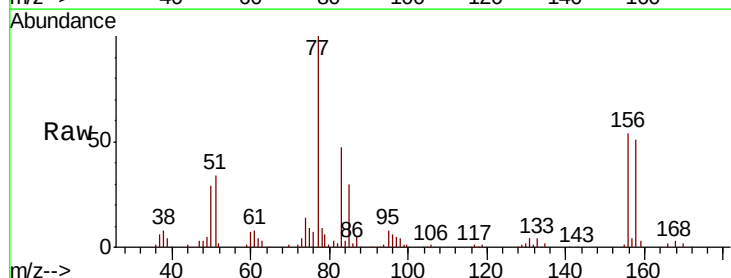
Tgt Ion: 83 Resp: 37360

Ion Ratio Lower Upper

83 100

85 64.7 45.9 85.3

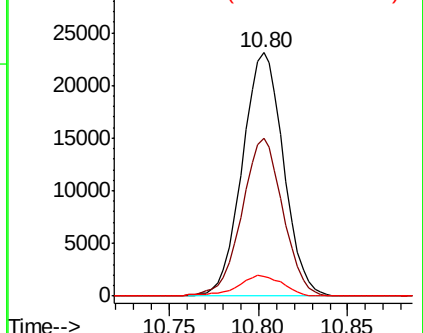
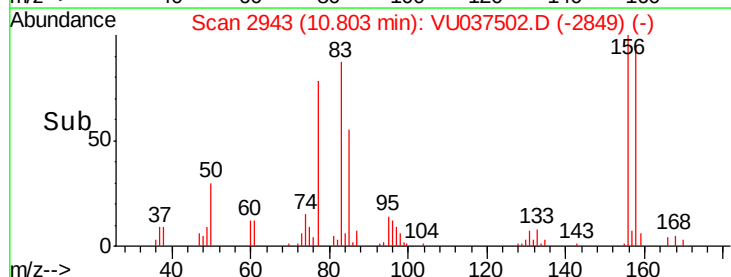
131 8.3 6.5 9.7

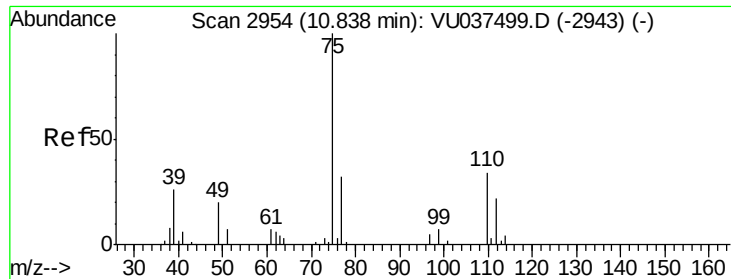


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

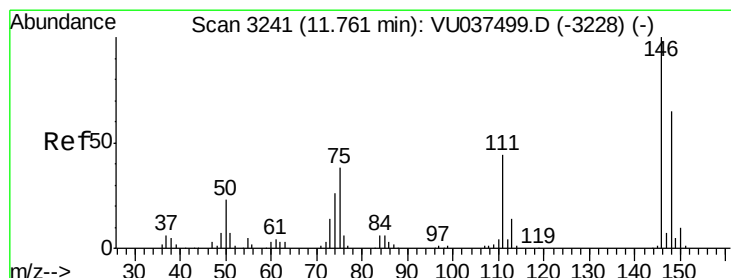
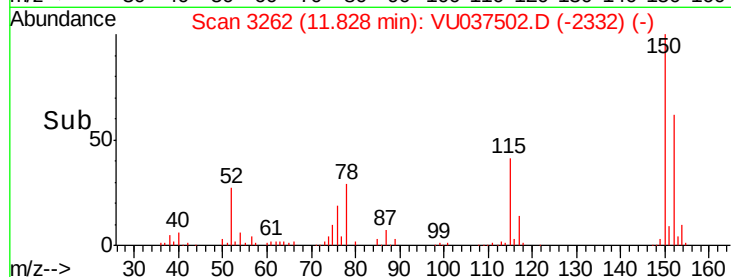
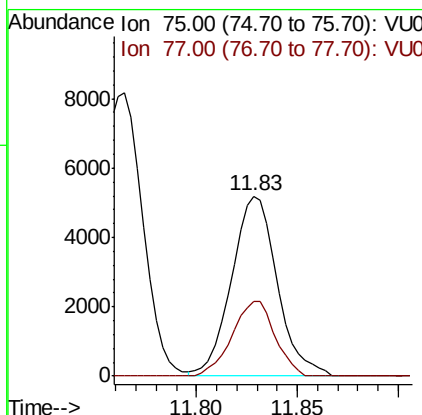
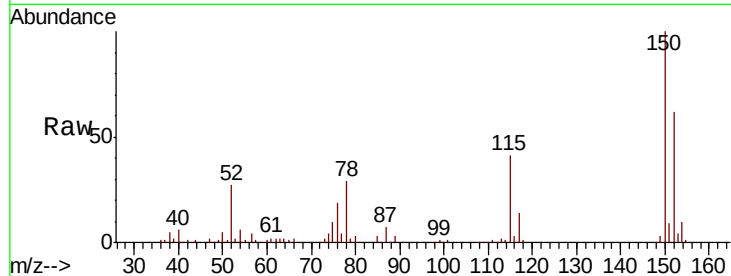




#59  
 1,2,3-Trichloropropane  
 Concen: 1.339 ug/L  
 RT: 11.83 min Scan# 3262  
 Delta R.T. 0.99 min  
 Lab File: VU037502.D  
 Acq: 31 Mar 2020 17:42

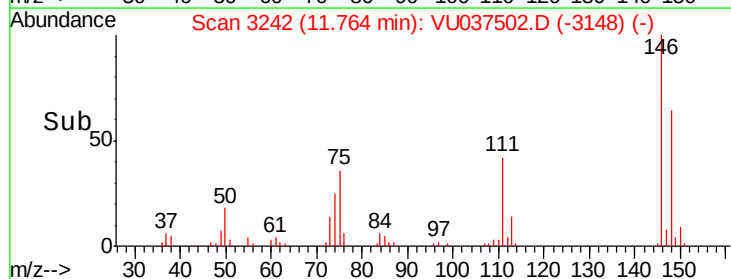
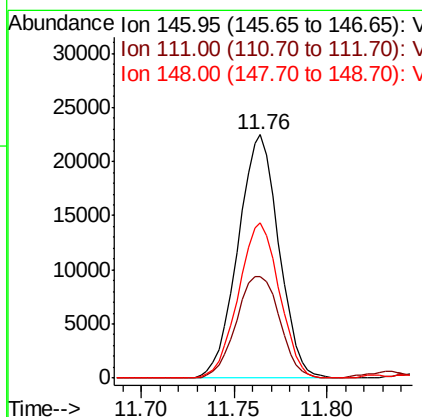
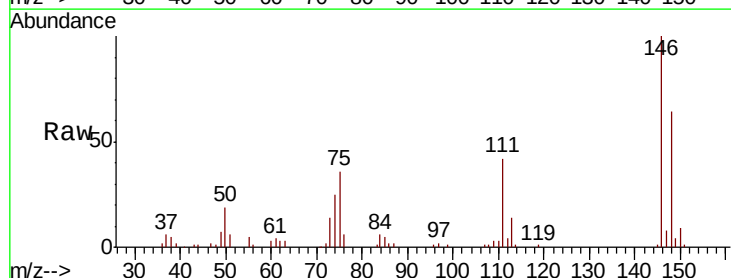
Instrument :  
 MSVOA\_U  
 ClientSampled :

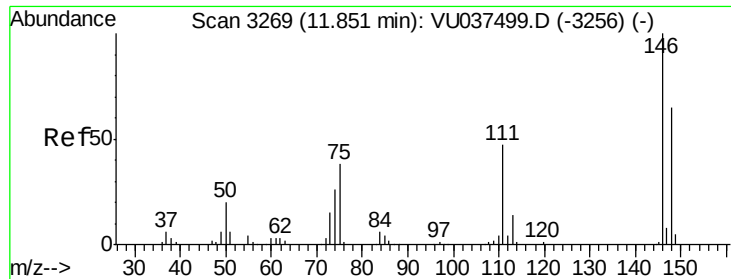
Tot Ion: 75 Resp: 8247  
 Ion Ratio Lower Upper  
 75 100  
 77 39.0 26.2 39.2



#62  
 1,3-Dichlorobenzene  
 Concen: 1.992 ug/L  
 RT: 11.76 min Scan# 3242  
 Delta R.T. 0.00 min  
 Lab File: VU037502.D  
 Acq: 31 Mar 2020 17:42

Tgt Ion: 146 Resp: 34363  
 Ion Ratio Lower Upper  
 146 100  
 111 41.7 31.4 58.2  
 148 63.8 44.9 83.5

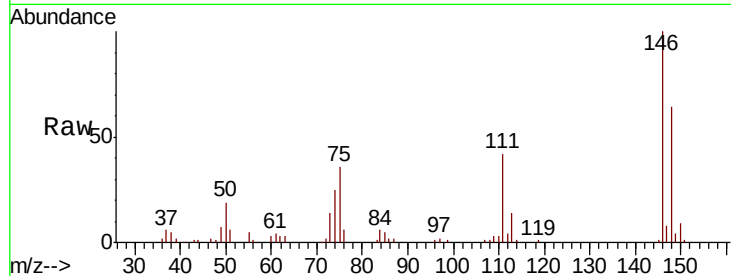




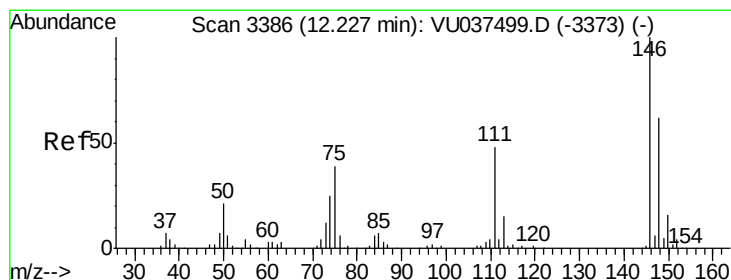
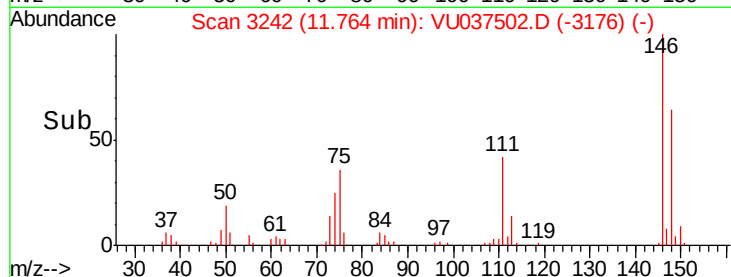
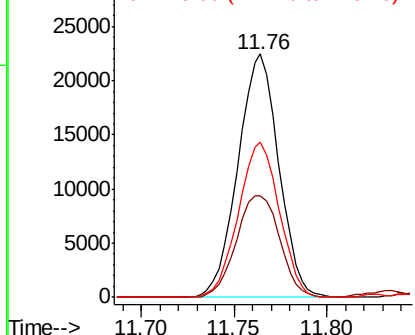
#63  
 1,4-Dichlorobenzene  
 Concen: 1.968 ug/L  
 RT: 11.76 min Scan# 3242  
 Delta R.T. -0.09 min  
 Lab File: VU037502.D  
 Acq: 31 Mar 2020 17:42

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion:146 Resp: 34363  
 Ion Ratio Lower Upper  
 146 100  
 111 41.7 29.7 55.1  
 148 63.8 44.4 82.4

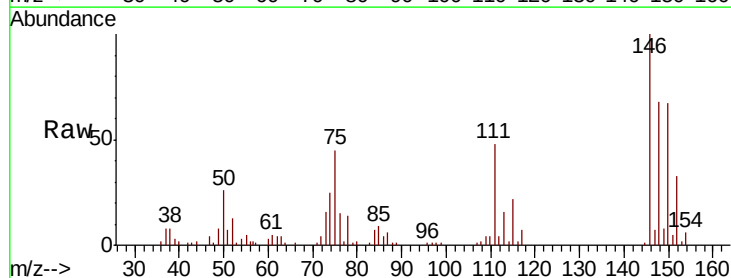


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V



#65  
 1,2-Dichlorobenzene  
 Concen: 1.957 ug/L  
 RT: 12.23 min Scan# 3386  
 Delta R.T. 0.00 min  
 Lab File: VU037502.D  
 Acq: 31 Mar 2020 17:42

Tgt Ion:146 Resp: 31774  
 Ion Ratio Lower Upper  
 146 100  
 111 48.1 38.9 58.3  
 148 67.6 51.2 76.8



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

