

Data Path : W:\HPCHEM1\MSVOA\_U\DATA\VU052718\  
 Data File : VU024205.D  
 Acq On : 27 May 2018 22:10  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 28 04:22:59 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM052518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 28 04:17:49 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 319353   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 301258   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 140925   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 114657   | 47.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.46% |
| 7) Chloroethane-d5             | 1.67    | 69    | 93748    | 48.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.26% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 216896   | 48.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.06% |
| 21) 2-Butanone-d5              | 4.18    | 46    | 164676   | 85.32    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 85.32% |
| 24) Chloroform-d               | 4.65    | 84    | 204055   | 46.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.80% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 130183   | 47.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.48% |
| 32) Benzene-d6                 | 5.35    | 84    | 412856   | 49.52    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.04% |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 135312   | 47.35    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.70% |
| 41) Toluene-d8                 | 7.57    | 98    | 375817   | 48.64    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.28% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 55059    | 48.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.92% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 117206   | 85.97    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.97% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 194706   | 46.71    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.42% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 148762   | 48.15    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.30% |

## Target Compounds

|                                |      |     |        |       |      | Qvalue |
|--------------------------------|------|-----|--------|-------|------|--------|
| 2) Dichlorodifluoromethane     | 1.20 | 85  | 155857 | 49.00 | ug/L | 99     |
| 3) Chloromethane               | 1.33 | 50  | 166489 | 47.08 | ug/L | 99     |
| 5) Vinyl chloride              | 1.40 | 62  | 163805 | 48.84 | ug/L | 99     |
| 6) Bromomethane                | 1.61 | 94  | 82082  | 47.43 | ug/L | 98     |
| 8) Chloroethane                | 1.69 | 64  | 98906  | 49.81 | ug/L | 99     |
| 9) Trichlorofluoromethane      | 1.88 | 101 | 193720 | 50.01 | ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 117596 | 50.06 | ug/L | 99     |
| 12) 1,1-Dichloroethene         | 2.28 | 96  | 110292 | 50.29 | ug/L | 89     |
| 13) Acetone                    | 2.32 | 43  | 132244 | 78.62 | ug/L | 100    |
| 14) Carbon disulfide           | 2.48 | 76  | 342561 | 48.16 | ug/L | 100    |
| 15) Methyl Acetate             | 2.62 | 43  | 147172 | 48.00 | ug/L | 98     |
| 16) Methylene chloride         | 2.70 | 84  | 134898 | 49.43 | ug/L | 99     |
| 17) trans-1,2-Dichloroethene   | 2.99 | 96  | 113320 | 49.26 | ug/L | 100    |
| 18) Methyl tert-butyl Ether    | 3.00 | 73  | 361429 | 52.10 | ug/L | 99     |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 232524 | 50.18 | ug/L | 98     |
| 20) cis-1,2-Dichloroethene     | 4.23 | 96  | 131152 | 50.99 | ug/L | 99     |
| 22) 2-Butanone                 | 4.26 | 43  | 200223 | 90.77 | ug/L | 99     |

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 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

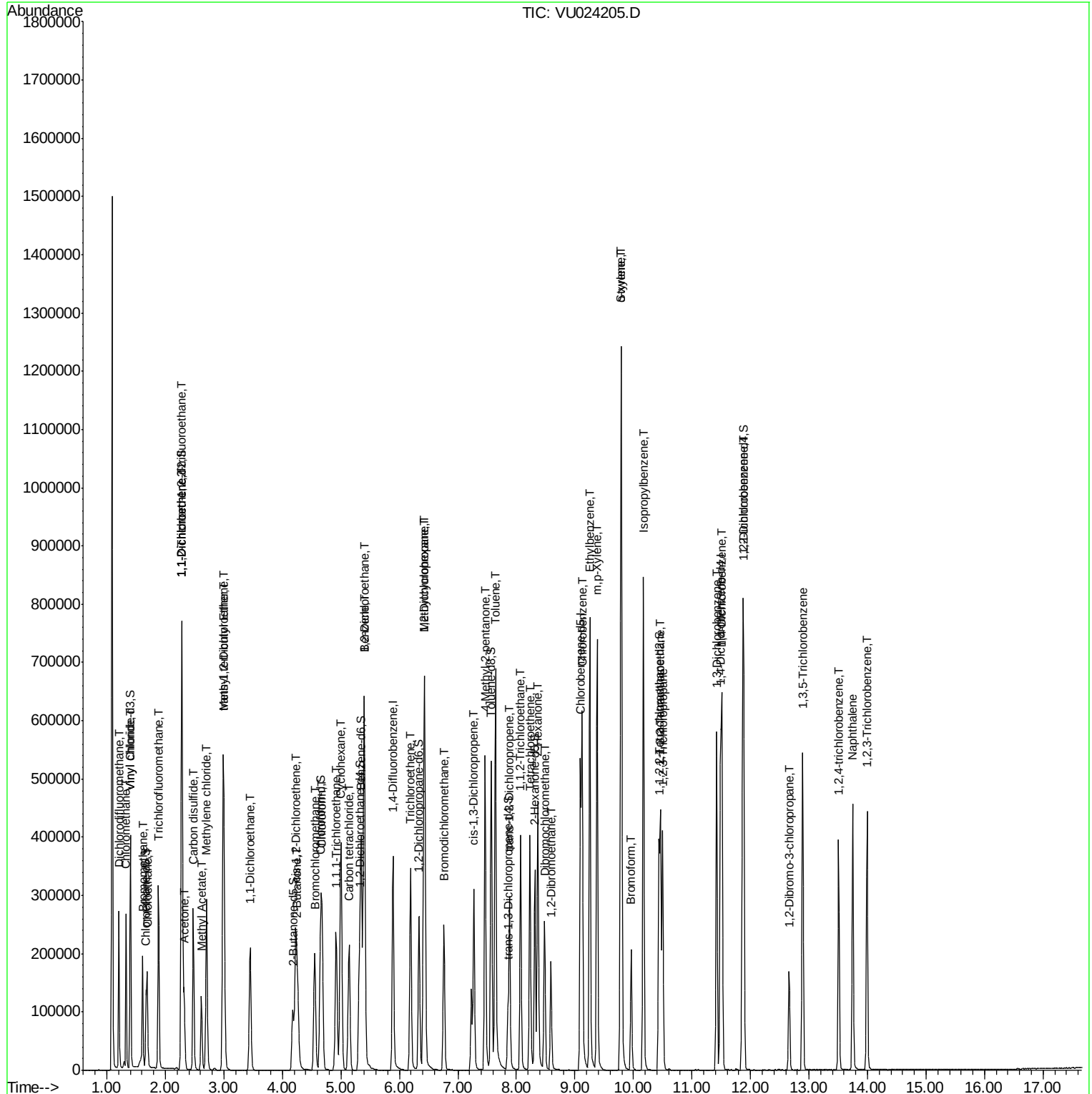
Quant Time: May 28 04:22:59 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM052518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon May 28 04:17:49 2018  
 Response via : Initial Calibration

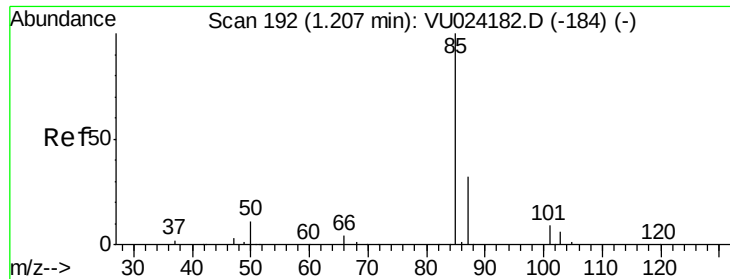
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 23) Bromochloromethane         | 4.55  | 128  | 68261    | 51.09 | ug/L  | 96       |
| 25) Chloroform                 | 4.68  | 83   | 229560   | 50.50 | ug/L  | 100      |
| 27) 1,2-Dichloroethane         | 5.41  | 62   | 180484   | 50.00 | ug/L  | 100      |
| 29) Cyclohexane                | 5.00  | 56   | 205805   | 52.04 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane      | 4.92  | 97   | 185370   | 51.79 | ug/L  | 97       |
| 31) Carbon tetrachloride       | 5.14  | 117  | 160174   | 51.11 | ug/L  | 100      |
| 33) Benzene                    | 5.39  | 78   | 515700   | 51.42 | ug/L  | 100      |
| 34) Trichloroethene            | 6.19  | 95   | 123156   | 43.72 | ug/L  | 100      |
| 35) Methylcyclohexane          | 6.42  | 83   | 196933   | 50.51 | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 6.44  | 63   | 145099   | 51.59 | ug/L  | 100      |
| 38) Bromodichloromethane       | 6.76  | 83   | 163741   | 49.54 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene    | 7.27  | 75   | 187482   | 50.49 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone       | 7.46  | 43   | 368697   | 96.69 | ug/L  | 99       |
| 42) Toluene                    | 7.64  | 91   | 539809   | 53.02 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 166192   | 50.26 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 127985   | 51.18 | ug/L  | 100      |
| 46) Tetrachloroethene          | 8.23  | 164  | 98631    | 50.05 | ug/L  | 99       |
| 48) 2-Hexanone                 | 8.36  | 43   | 290460   | 96.55 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.48  | 129  | 134020   | 50.95 | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 126818   | 50.40 | ug/L  | 100      |
| 51) Chlorobenzene              | 9.12  | 112  | 336612   | 50.94 | ug/L  | 99       |
| 52) Ethylbenzene               | 9.26  | 91   | 566124   | 52.60 | ug/L  | 99       |
| 53) m,p-Xylene                 | 9.38  | 106  | 214651   | 52.65 | ug/L  | 99       |
| 54) o-xylene                   | 9.78  | 106  | 217628   | 53.30 | ug/L  | 99       |
| 55) Styrene                    | 9.80  | 104  | 365929   | 54.22 | ug/L  | 99       |
| 56) Isopropylbenzene           | 10.17 | 105  | 546939   | 52.92 | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 217723   | 49.50 | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane     | 10.50 | 75   | 175982   | 49.99 | ug/L  | 100      |
| 61) Bromoform                  | 9.96  | 173  | 96482    | 48.43 | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 238678   | 50.58 | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 242787   | 50.28 | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 268454   | 51.50 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 42116    | 45.43 | ug/L  | 98       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 175873   | 50.49 | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.51 | 180  | 125607   | 49.96 | ug/L  | 99       |
| 69) Naphthalene                | 13.75 | 128  | 360832   | 48.73 | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 144970   | 51.24 | ug/L  | 99       |

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

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Quant Title : VOC Analysis  
QLast Update : Mon May 28 04:17:49 2018  
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.00 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024205.D

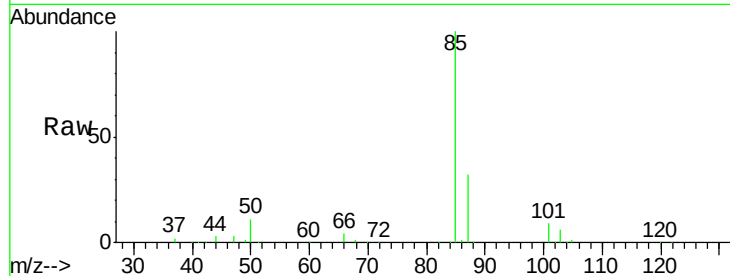
Acq: 27 May 2018 22:10

Tgt Ion: 85 Resp: 155857

Ion Ratio Lower Upper

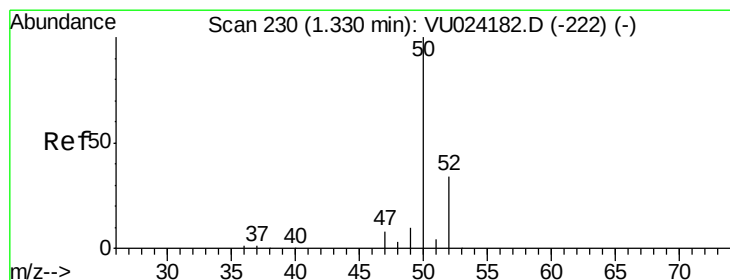
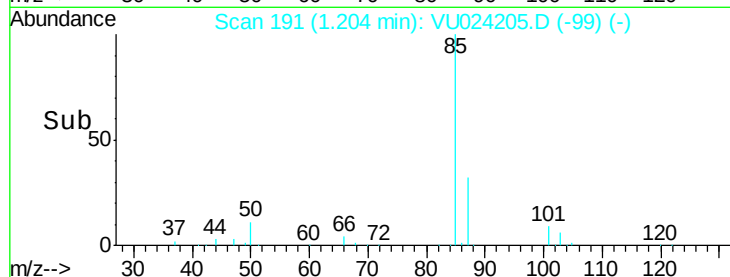
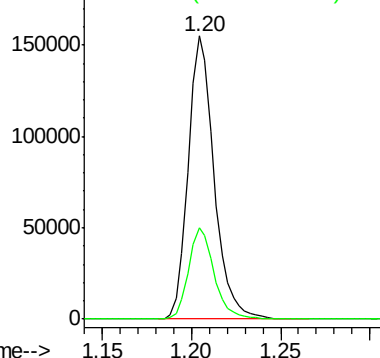
85 100

87 31.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 47.08 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024205.D

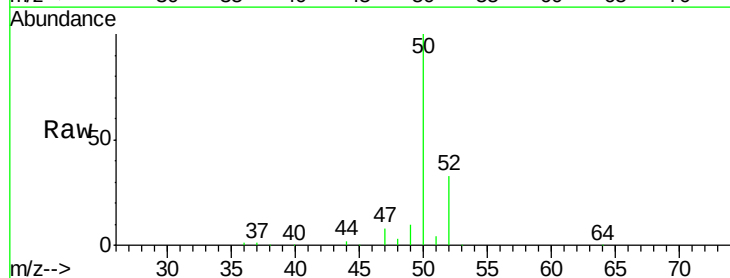
Acq: 27 May 2018 22:10

Tgt Ion: 50 Resp: 166489

Ion Ratio Lower Upper

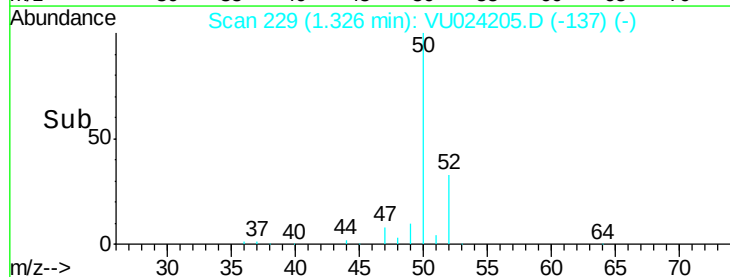
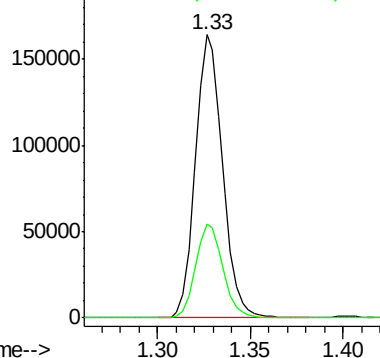
50 100

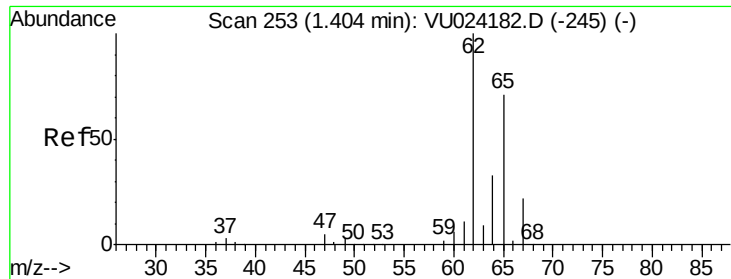
52 33.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.84 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024205.D

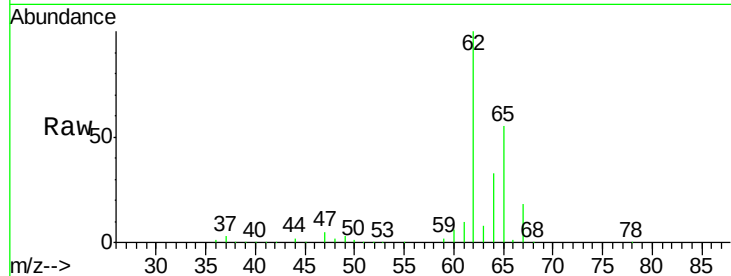
Acq: 27 May 2018 22:10

Tgt Ion: 62 Resp: 163805

Ion Ratio Lower Upper

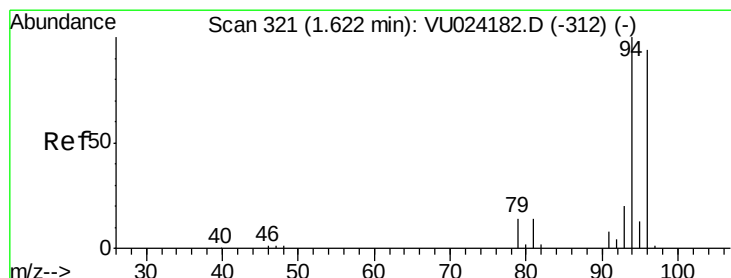
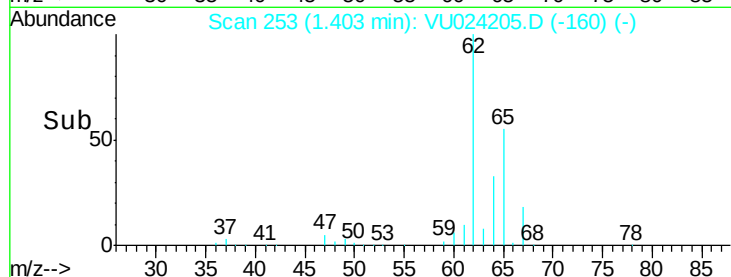
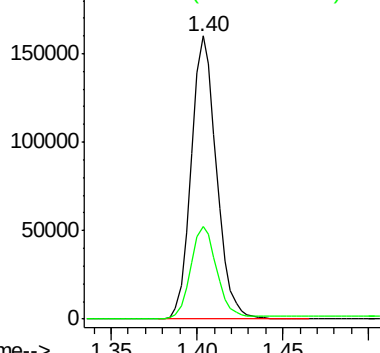
62 100

64 32.9 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 47.43 ug/L

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024205.D

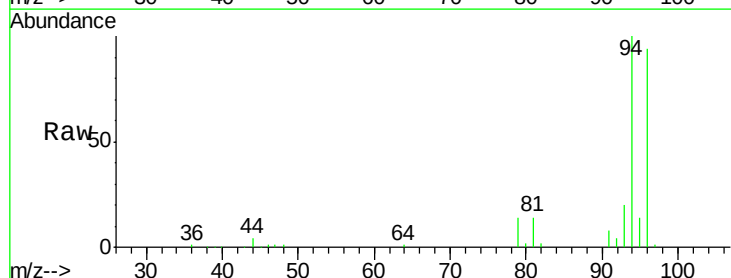
Acq: 27 May 2018 22:10

Tgt Ion: 94 Resp: 82082

Ion Ratio Lower Upper

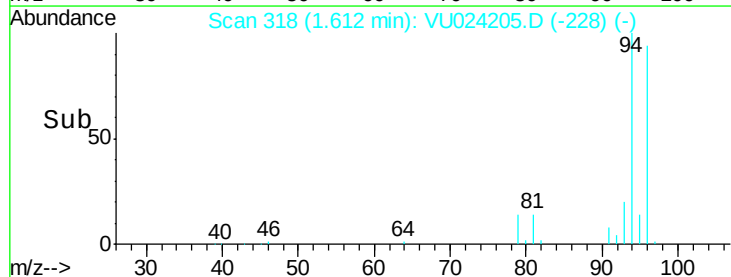
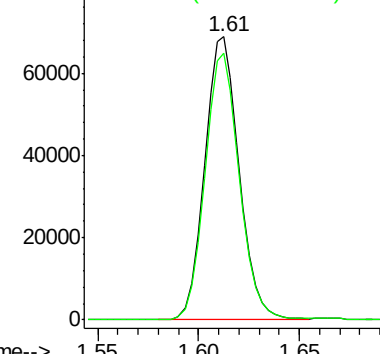
94 100

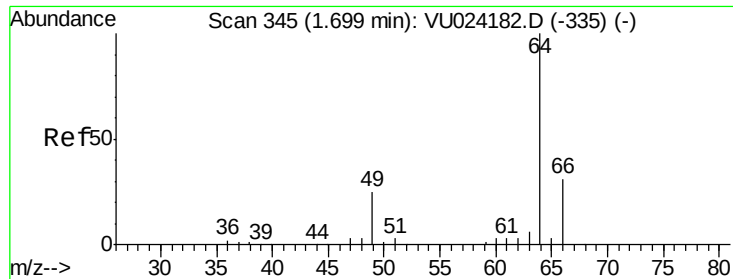
96 94.1 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

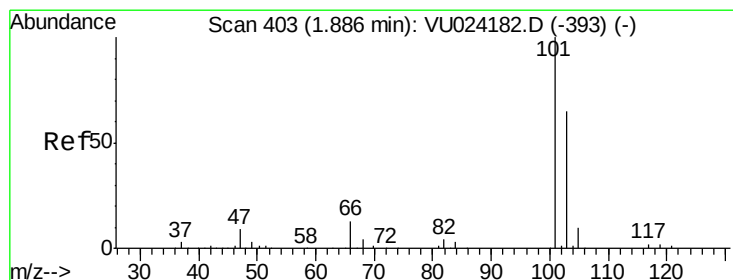
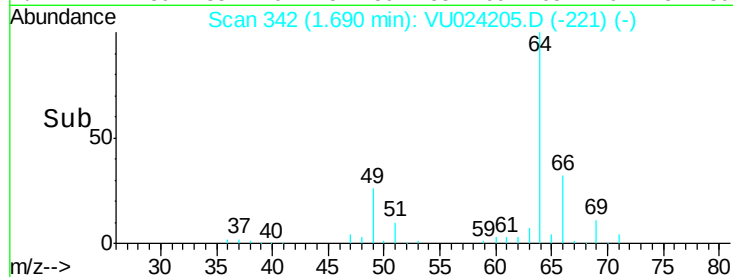
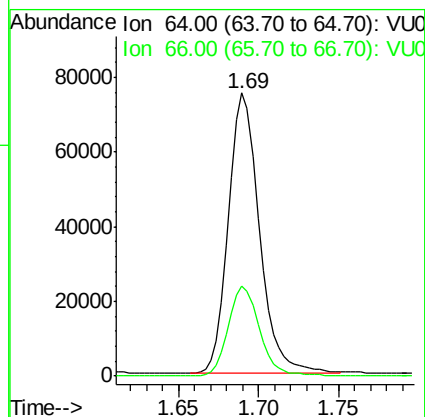
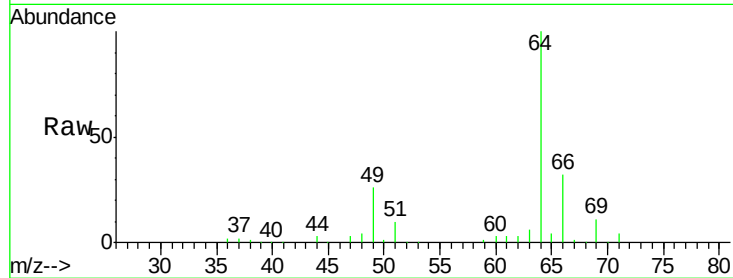
Ion 96.00 (95.70 to 96.70): VU0





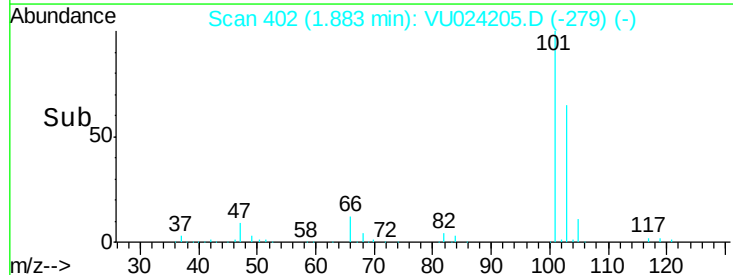
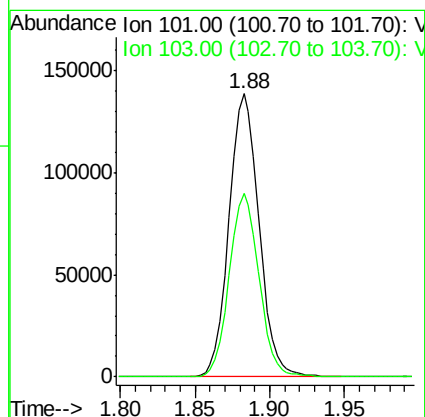
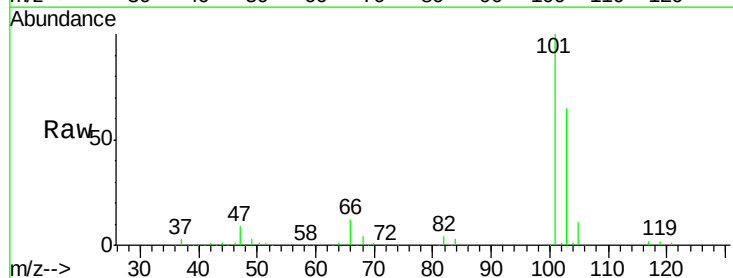
#8  
Chloroethane  
Concen: 49.81 ug/L  
RT: 1.69 min Scan# 342  
Delta R.T. -0.01 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

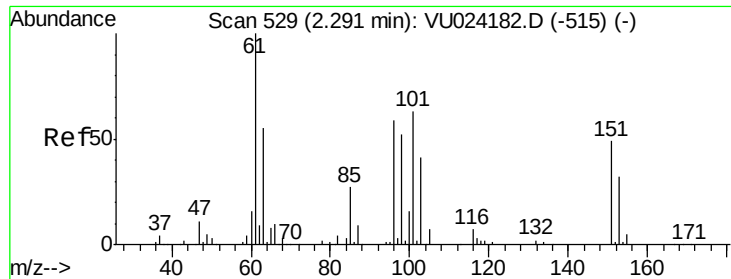
Tgt Ion: 64 Resp: 98906  
Ion Ratio Lower Upper  
64 100  
66 31.8 22.0 40.8



#9  
Trichlorofluoromethane  
Concen: 50.01 ug/L  
RT: 1.88 min Scan# 402  
Delta R.T. -0.00 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

Tgt Ion: 101 Resp: 193720  
Ion Ratio Lower Upper  
101 100  
103 64.5 52.1 78.1





#10

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

Concen: 50.06 ug/L

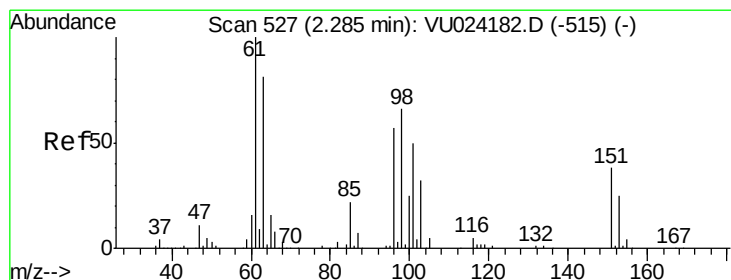
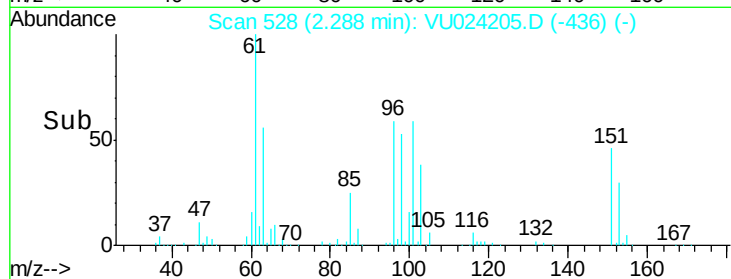
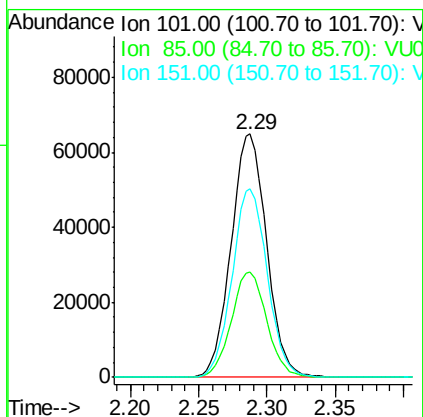
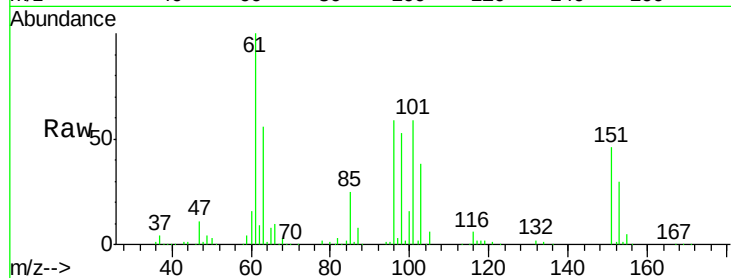
RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 117596 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 43.1  | 35.0  | 52.6   |
| 151      | 76.8  | 61.9  | 92.9   |



#12

1,1-Dichloroethene

Concen: 50.29 ug/L

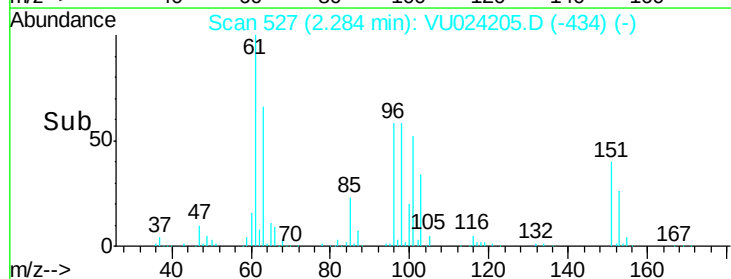
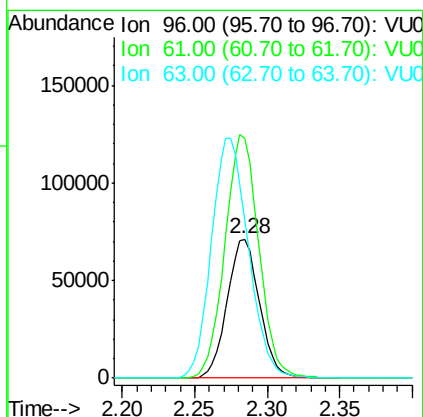
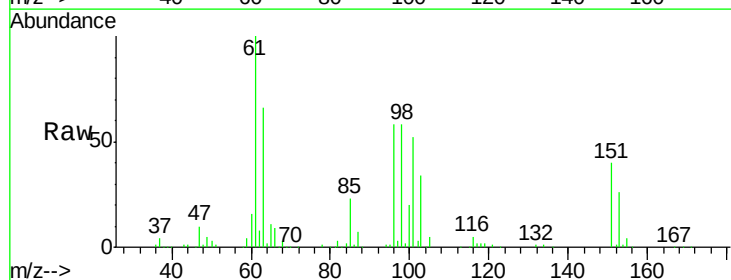
RT: 2.28 min Scan# 527

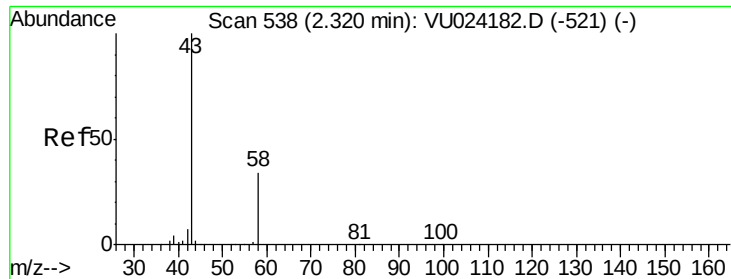
Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 110292 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 172.4 | 124.2 | 230.6  |
| 63       | 113.5 | 96.4  | 179.0  |





#13

Acetone

Concen: 78.62 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024205.D

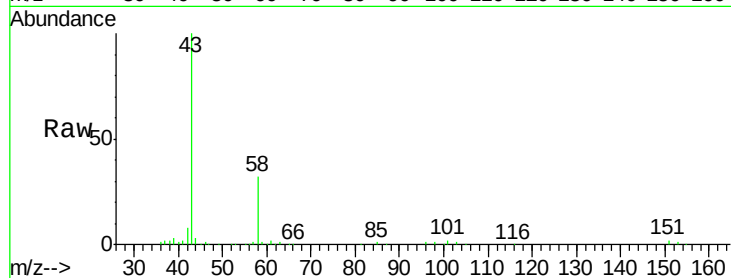
Acq: 27 May 2018 22:10

Tgt Ion: 43 Resp: 132244

Ion Ratio Lower Upper

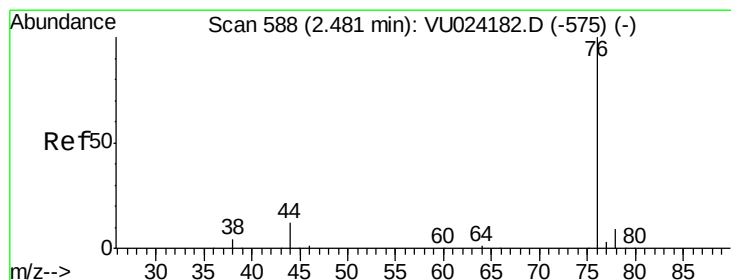
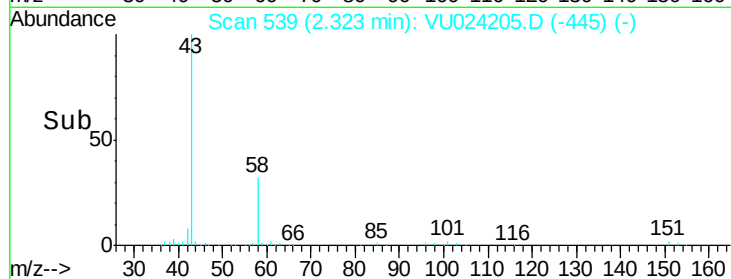
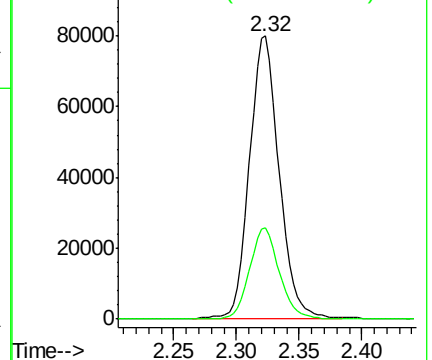
43 100

58 31.9 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 48.16 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024205.D

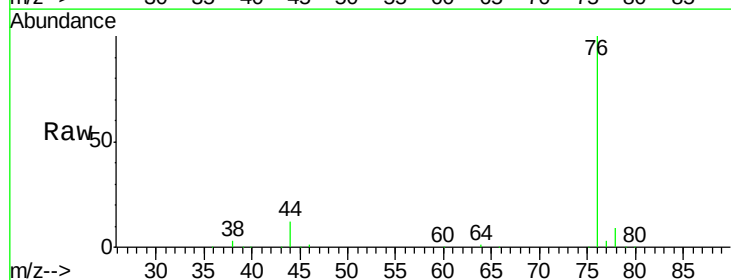
Acq: 27 May 2018 22:10

Tgt Ion: 76 Resp: 342561

Ion Ratio Lower Upper

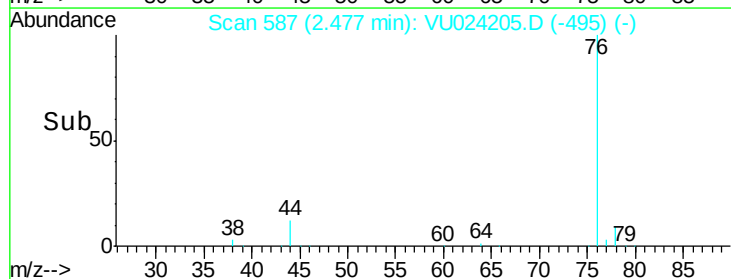
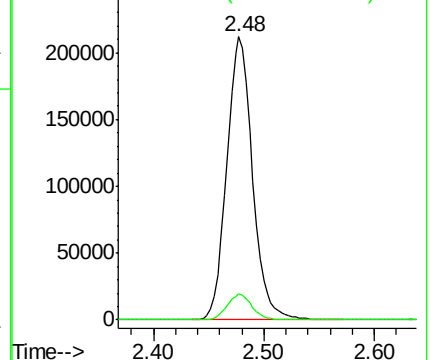
76 100

78 9.1 7.4 11.0

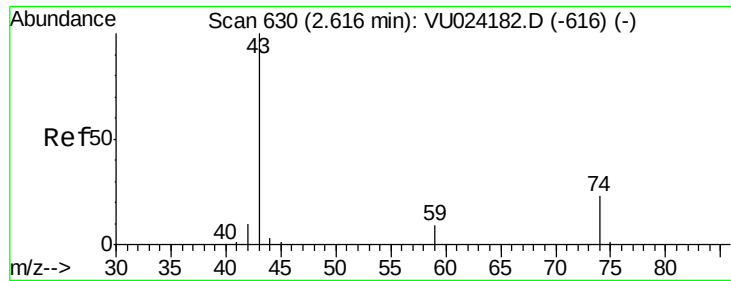


Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

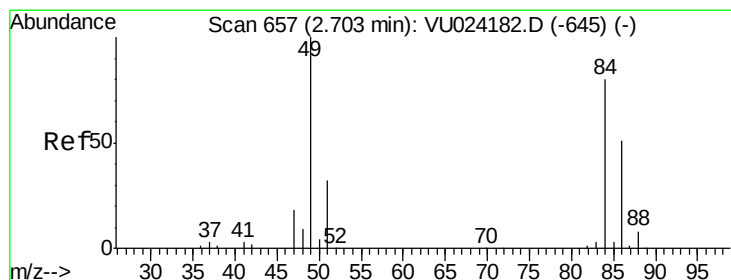
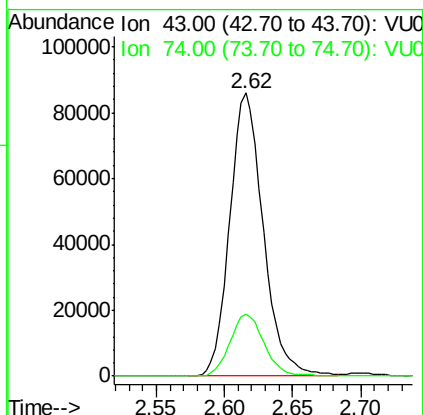
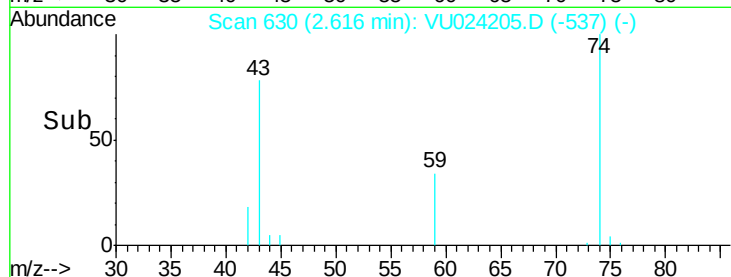
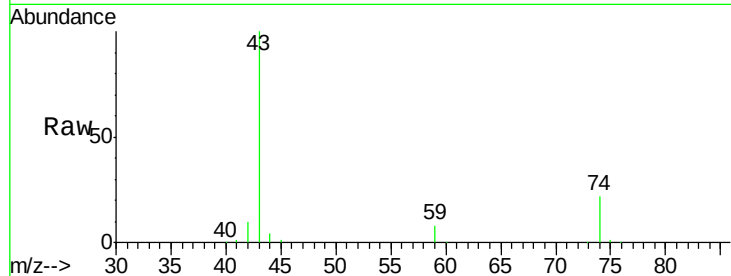






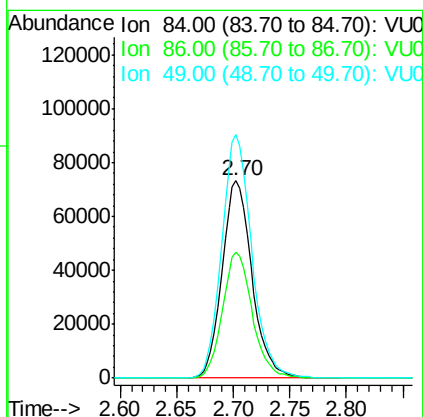
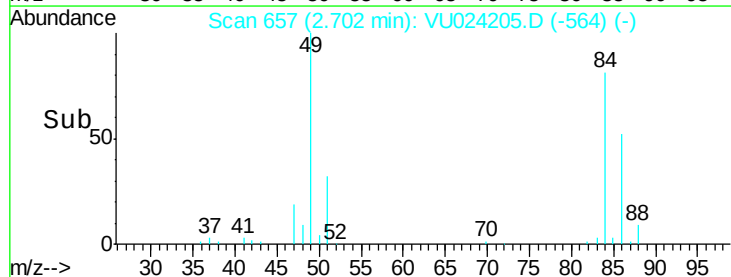
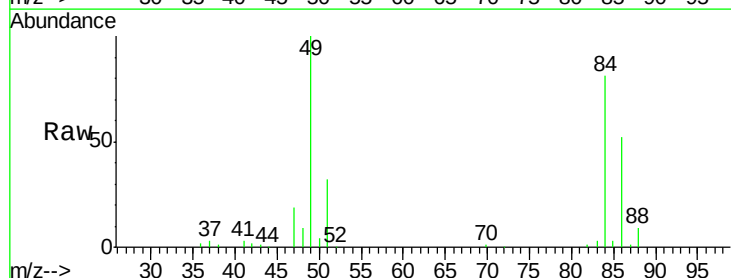
#15  
Methyl Acetate  
Concen: 48.00 ug/L  
RT: 2.62 min Scan# 630  
Delta R.T. -0.00 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

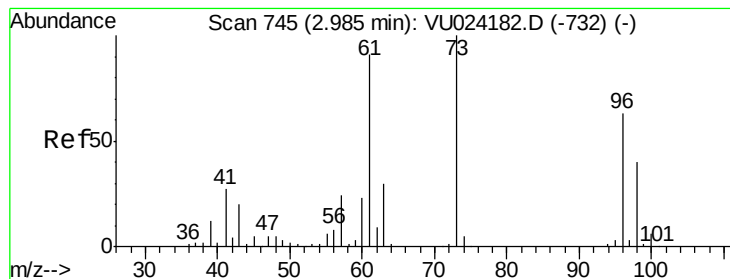
Tgt Ion: 43 Resp: 147172  
Ion Ratio Lower Upper  
43 100  
74 22.4 18.6 28.0



#16  
Methylene chloride  
Concen: 49.43 ug/L  
RT: 2.70 min Scan# 657  
Delta R.T. -0.00 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

Tgt Ion: 84 Resp: 134898  
Ion Ratio Lower Upper  
84 100  
86 63.9 45.4 84.2  
49 123.3 87.4 162.2





#17

trans-1,2-Dichloroethene

Concen: 49.26 ug/L

RT: 2.99 min Scan# 745

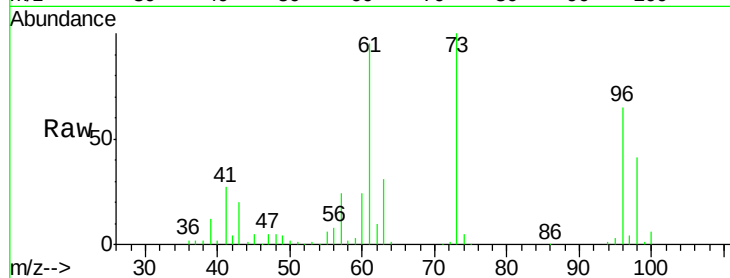
Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

Tgt Ion: 96 Resp: 113320

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 146.7 | 102.8 | 191.0 |
| 98  | 64.1  | 44.3  | 82.3  |

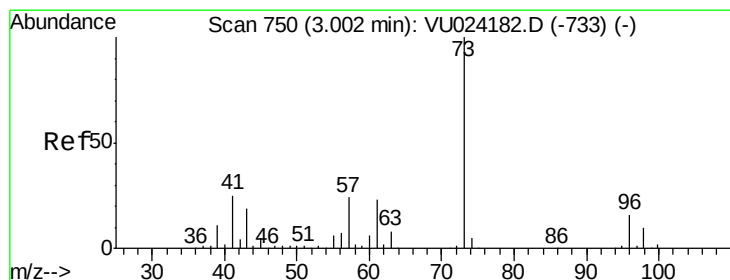
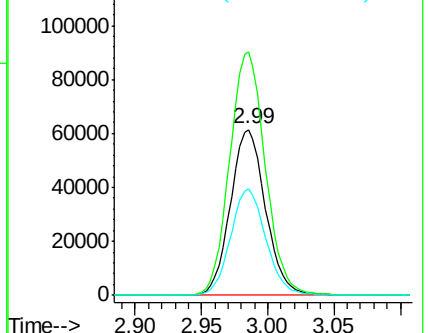
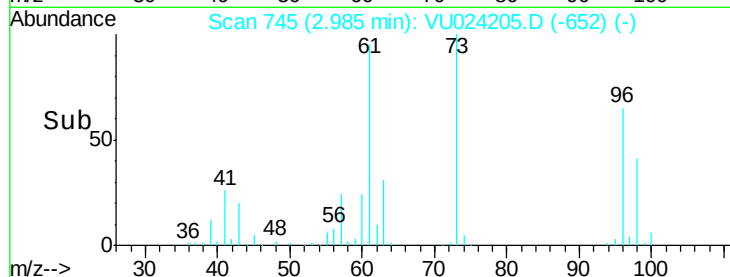


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 52.10 ug/L

RT: 3.00 min Scan# 750

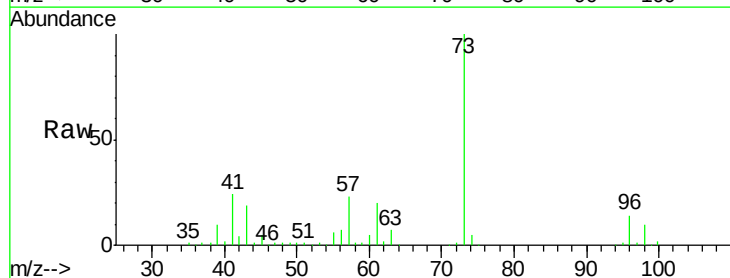
Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

Tgt Ion: 73 Resp: 361429

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 19.4  | 15.4  | 23.0  |
| 57  | 23.3  | 18.4  | 27.6  |

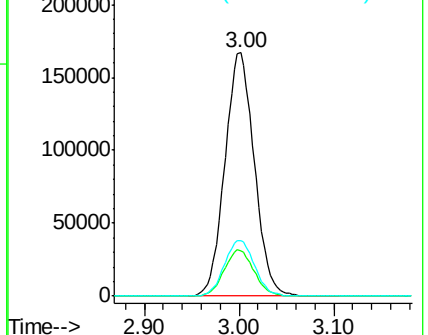
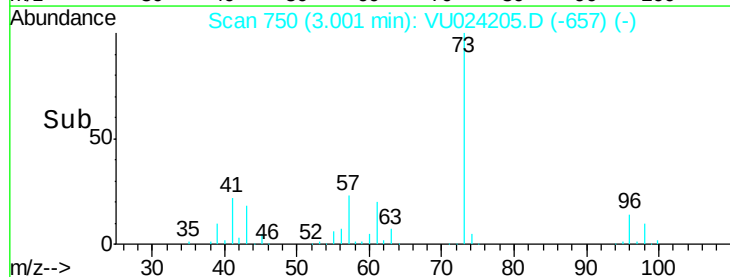


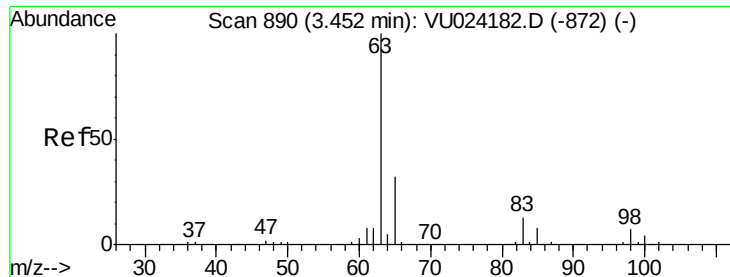
Abundance

Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 50.18 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

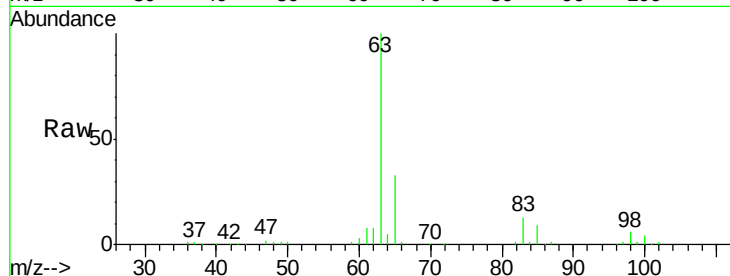
Tgt Ion: 63 Resp: 232524

Ion Ratio Lower Upper

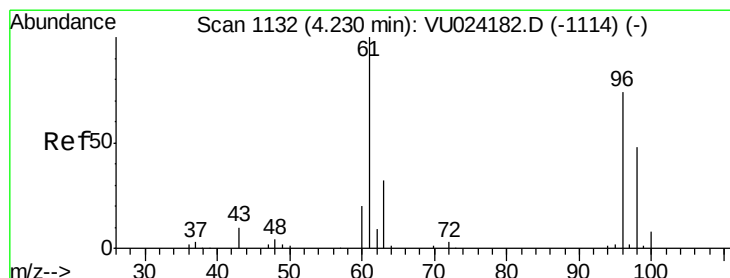
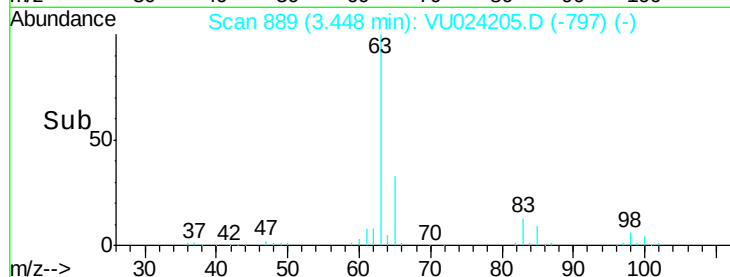
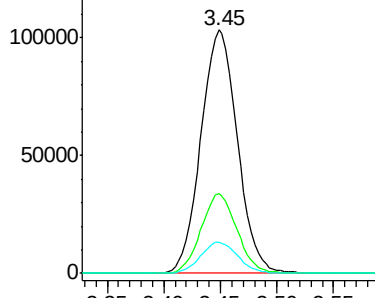
63 100

65 32.9 22.3 41.3

83 12.9 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU0  
Ion 65.00 (64.70 to 65.70): VU0  
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 50.99 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

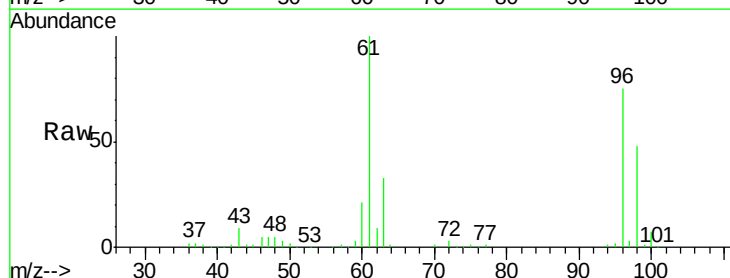
Tgt Ion: 96 Resp: 131152

Ion Ratio Lower Upper

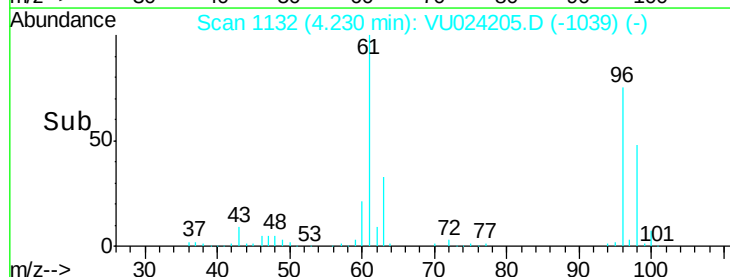
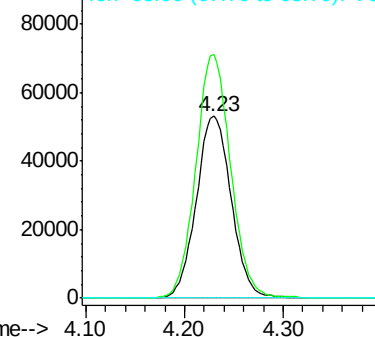
96 100

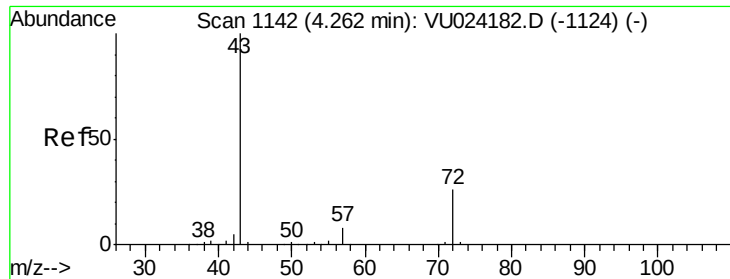
61 133.8 94.8 176.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.00 (60.70 to 61.70): VU0  
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 90.77 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU024205.D

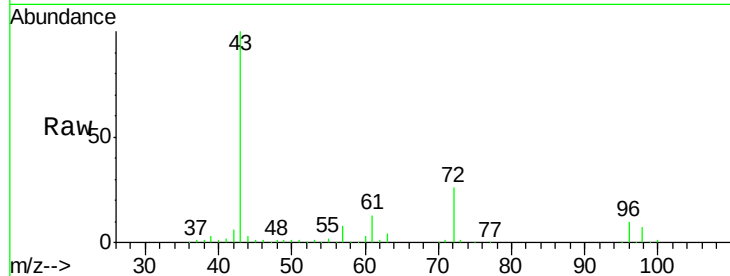
Acq: 27 May 2018 22:10

Tgt Ion: 43 Resp: 200223

Ion Ratio Lower Upper

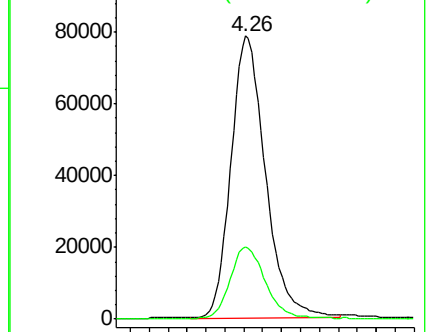
43 100

72 26.3 13.4 40.1

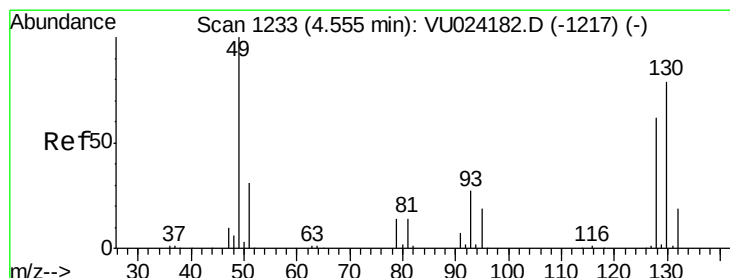
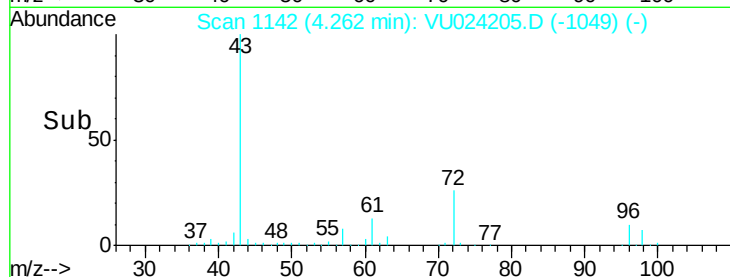


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->



#23

Bromochloromethane

Concen: 51.09 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

Tgt Ion: 128 Resp: 68261

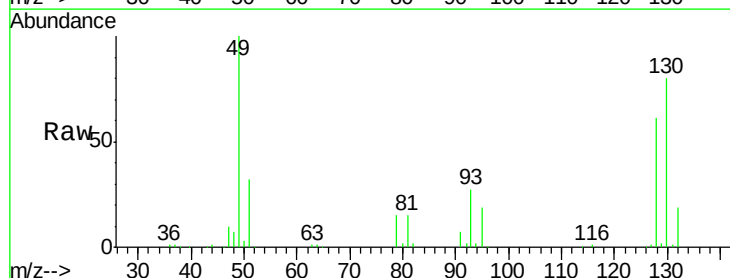
Ion Ratio Lower Upper

128 100

49 164.8 118.2 219.6

130 131.3 88.4 164.2

51 52.1 43.4 65.2

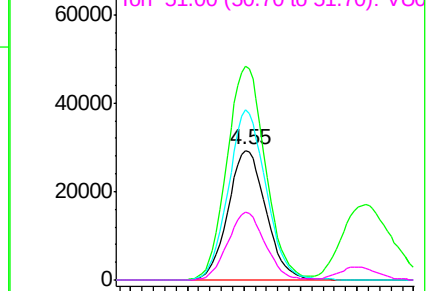


Abundance Ion 128.00 (127.70 to 128.70): V

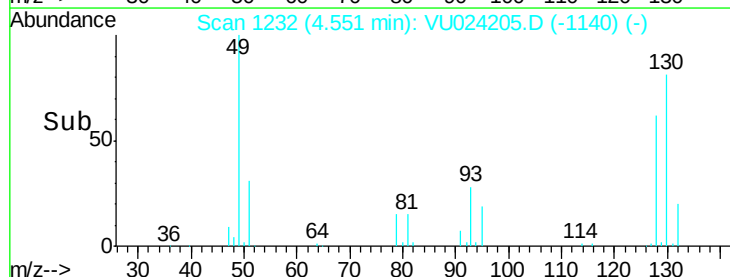
Ion 49.00 (48.70 to 49.70): VU0

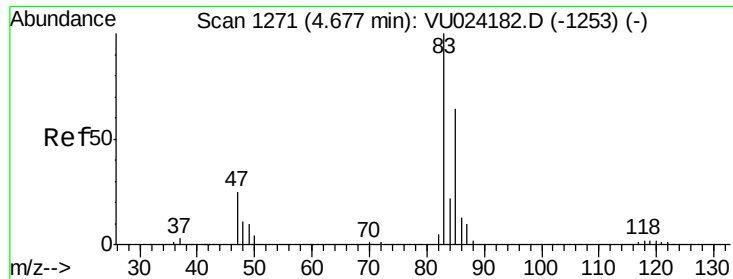
Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



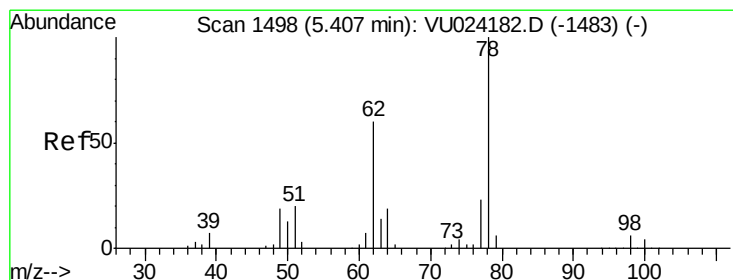
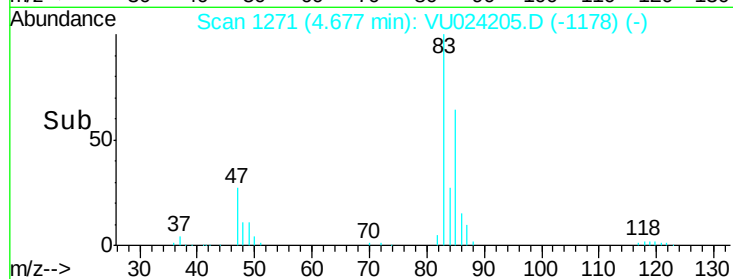
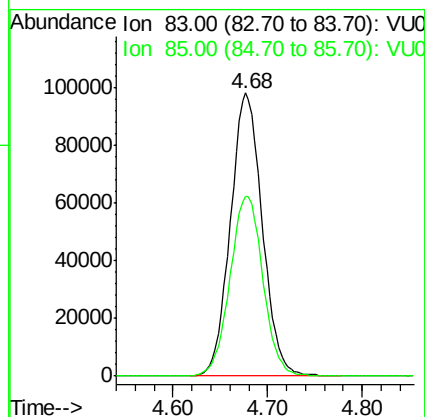
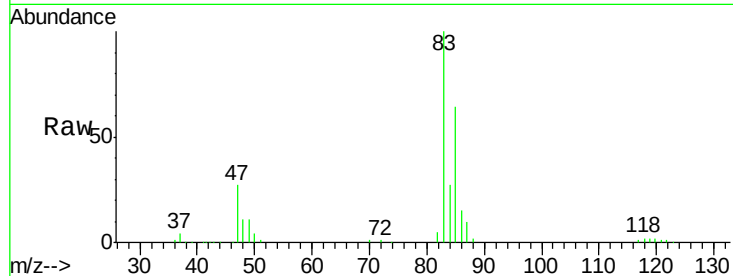
Time-->





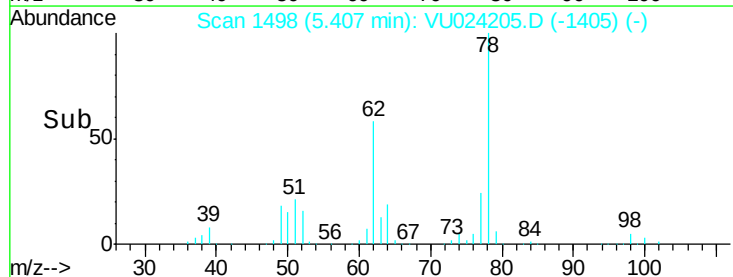
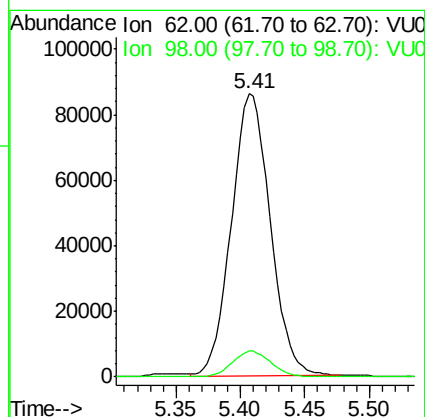
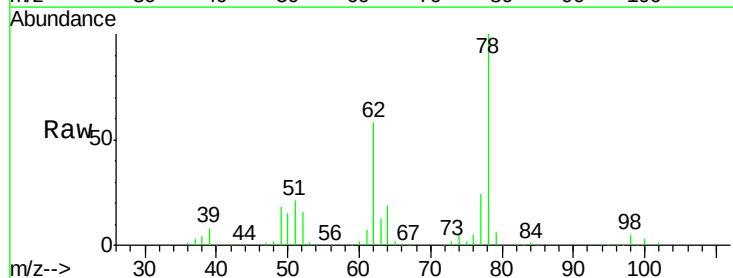
#25  
Chloroform  
Concen: 50.50 ug/L  
RT: 4.68 min Scan# 1271  
Delta R.T. -0.00 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

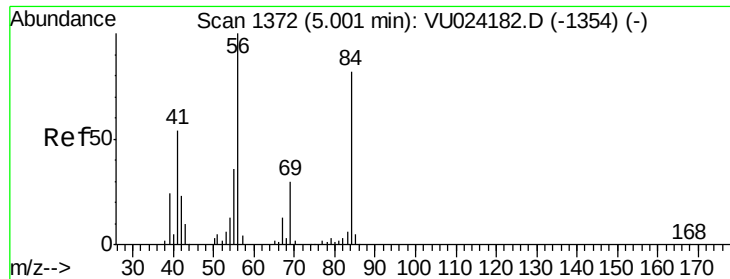
Tgt Ion: 83 Resp: 229560  
Ion Ratio Lower Upper  
83 100  
85 63.6 44.4 82.4



#27  
1,2-Dichloroethane  
Concen: 50.00 ug/L  
RT: 5.41 min Scan# 1498  
Delta R.T. -0.00 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

Tgt Ion: 62 Resp: 180484  
Ion Ratio Lower Upper  
62 100  
98 9.1 7.4 11.0





#29

Cyclohexane

Concen: 52.04 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

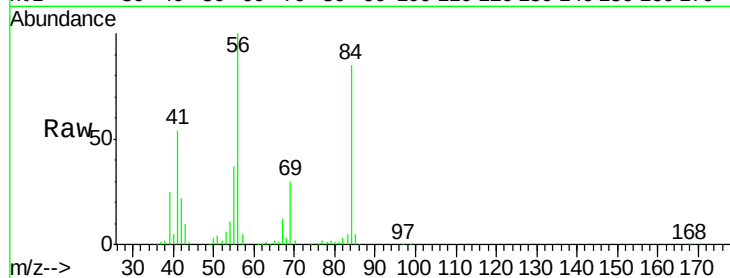
Tgt Ion: 56 Resp: 205805

Ion Ratio Lower Upper

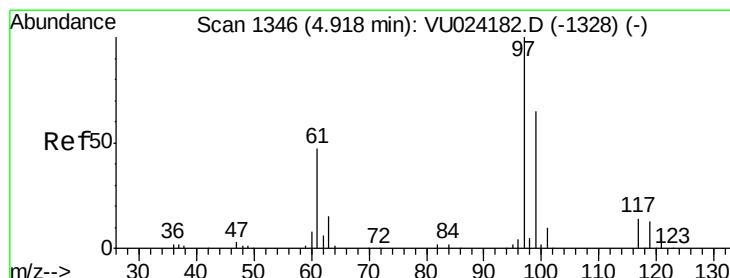
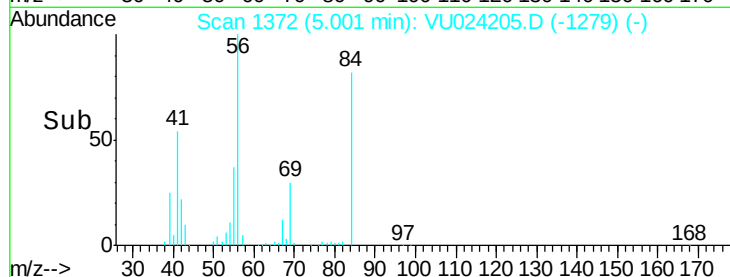
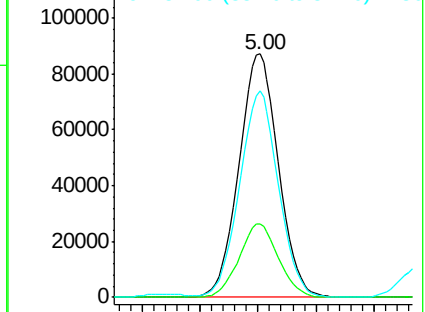
56 100

69 30.2 23.9 35.9

84 83.7 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 51.79 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

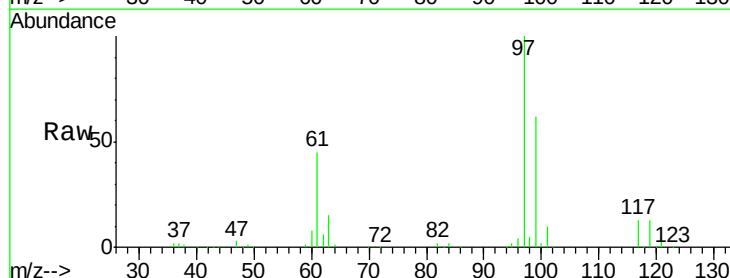
Tgt Ion: 97 Resp: 185370

Ion Ratio Lower Upper

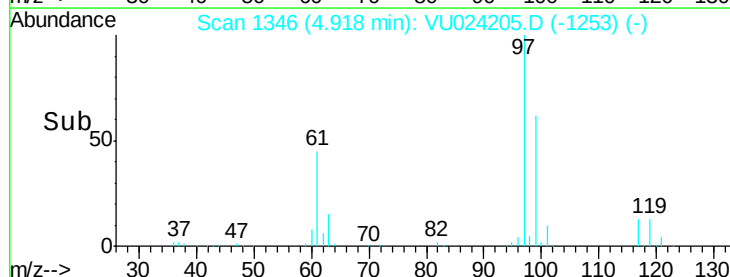
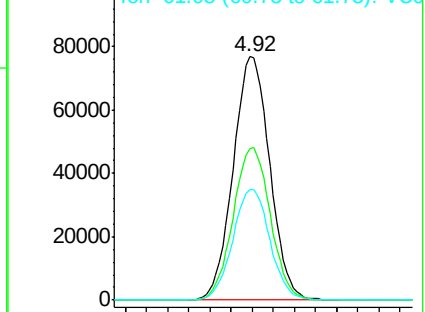
97 100

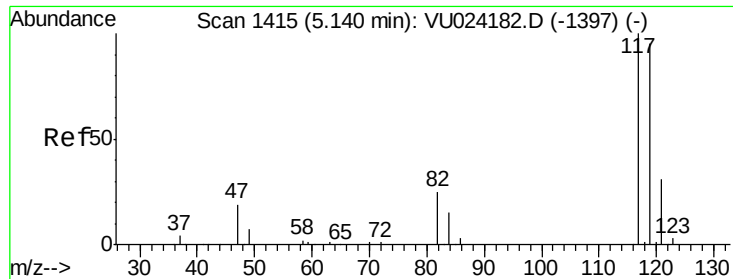
99 63.7 51.8 77.8

61 46.1 39.0 58.6



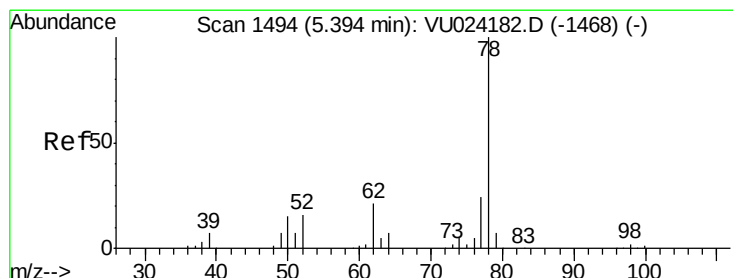
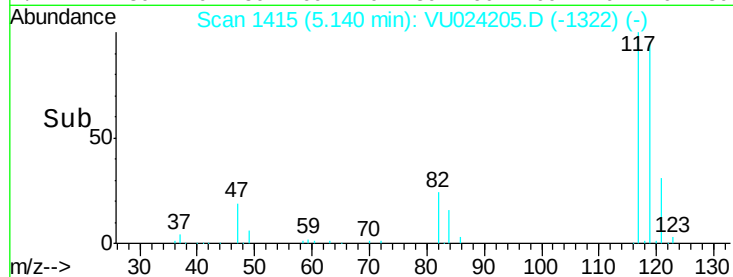
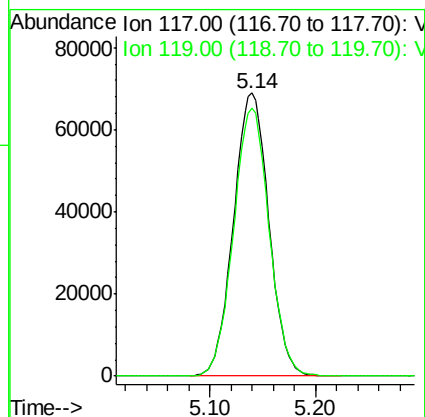
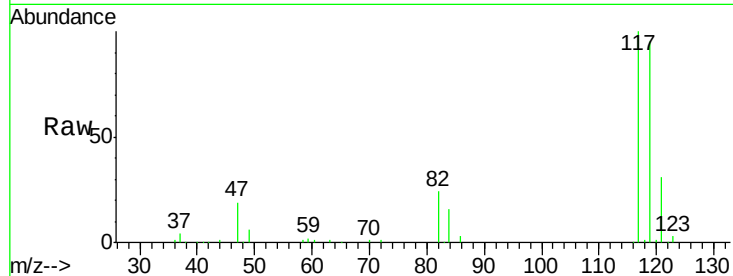
Abundance Ion 97.00 (96.70 to 97.70): VU0  
Ion 99.00 (98.70 to 99.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0





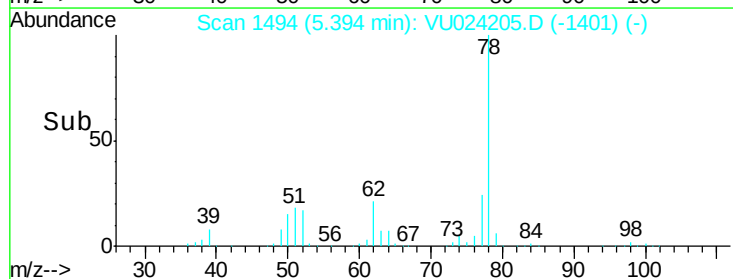
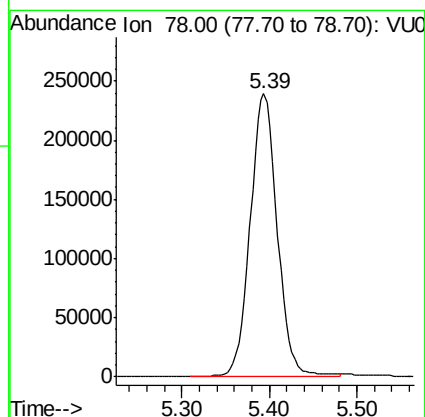
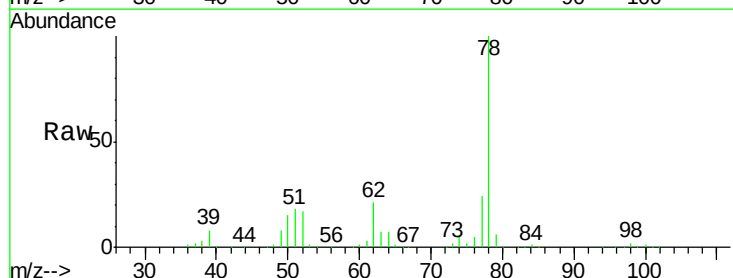
#31  
Carbon tetrachloride  
Concen: 51.11 ug/L  
RT: 5.14 min Scan# 1415  
Delta R.T. -0.00 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

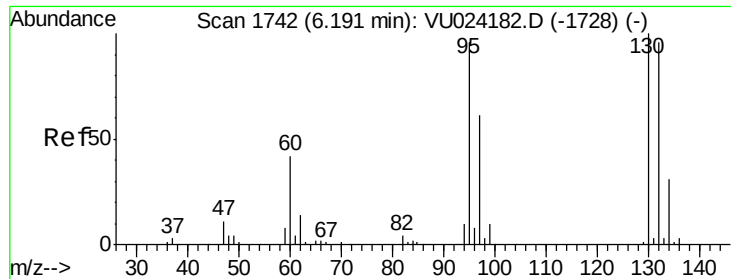
Tgt Ion: 117 Resp: 160174  
Ion Ratio Lower Upper  
117 100  
119 95.5 76.2 114.4



#33  
Benzene  
Concen: 51.42 ug/L  
RT: 5.39 min Scan# 1494  
Delta R.T. -0.00 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

Tgt Ion: 78 Resp: 515700





#34

Trichloroethene

Concen: 43.72 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

Tgt Ion: 95 Resp: 123156

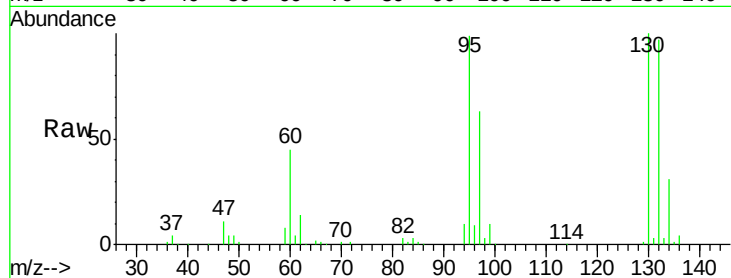
Ion Ratio Lower Upper

95 100

97 64.0 44.5 82.7

132 97.7 69.0 128.2

130 100.9 70.6 131.0

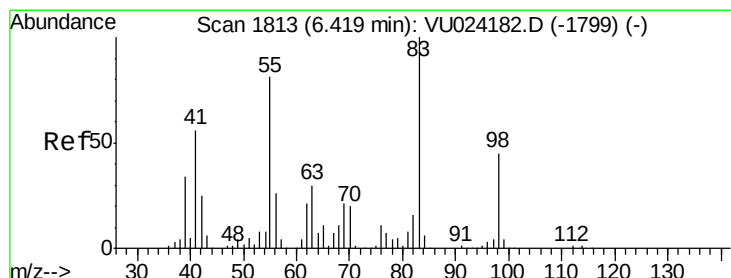
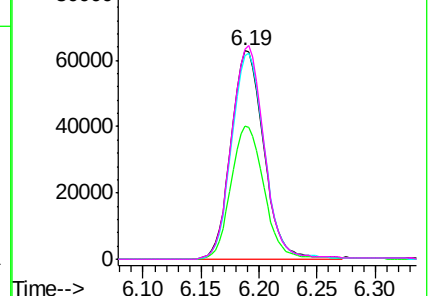
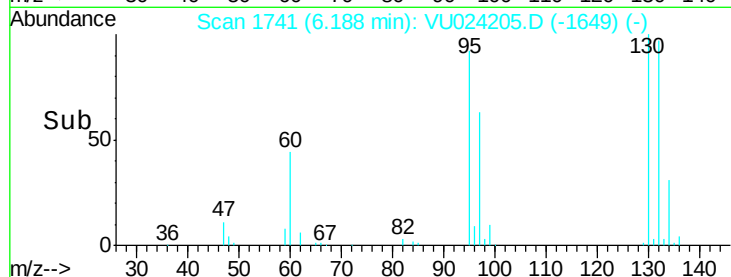


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.51 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

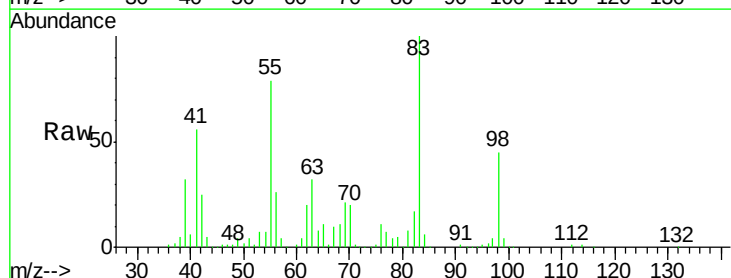
Tgt Ion: 83 Resp: 196933

Ion Ratio Lower Upper

83 100

55 80.7 64.1 96.1

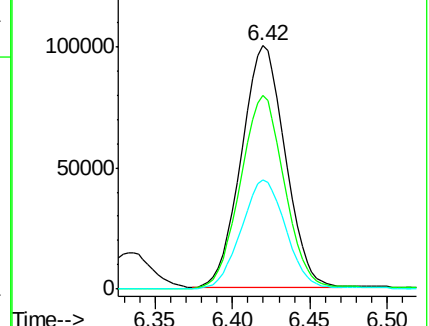
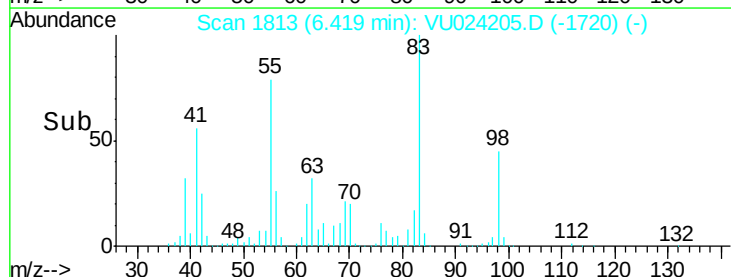
98 46.0 35.8 53.8



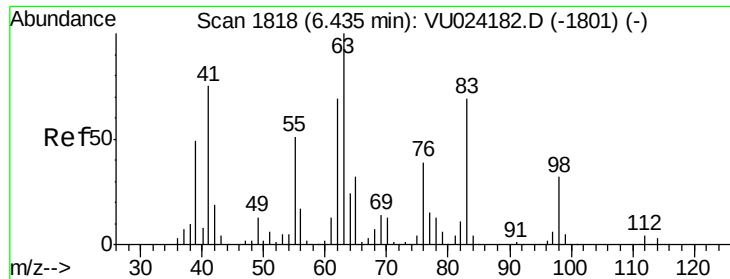
Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0







#37

1,2-Dichloropropane

Concen: 51.59 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024205.D

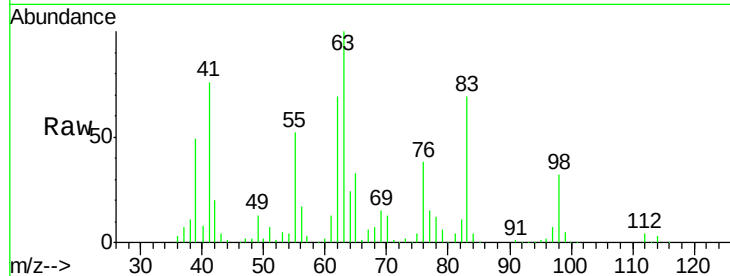
Acq: 27 May 2018 22:10

Tgt Ion: 63 Resp: 145099

Ion Ratio Lower Upper

63 100

112 3.5 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

6.44

80000

60000

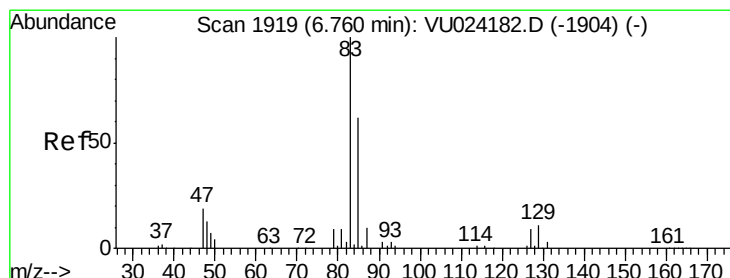
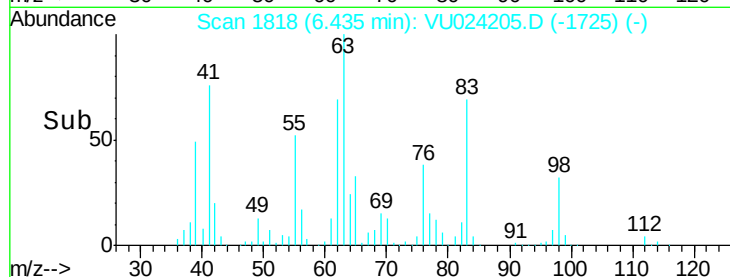
40000

20000

0

6.40 6.50

Time-->



#38

Bromodichloromethane

Concen: 49.54 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

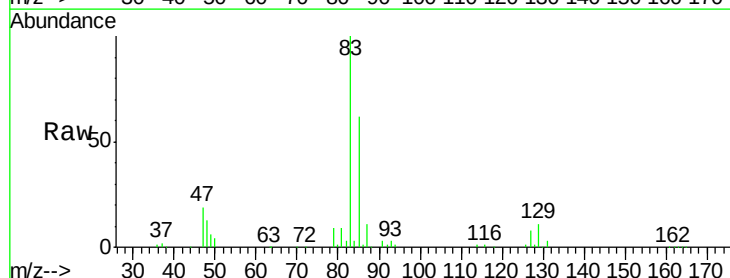
Tgt Ion: 83 Resp: 163741

Ion Ratio Lower Upper

83 100

85 62.0 44.6 82.8

127 8.5 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

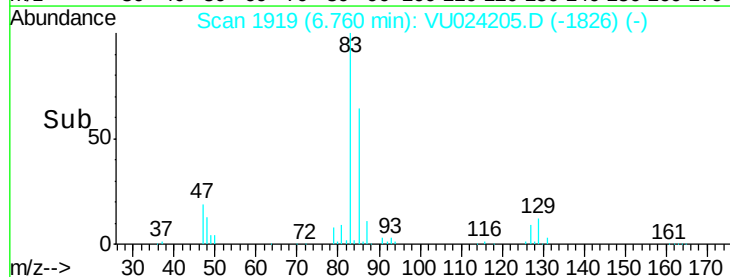
40000

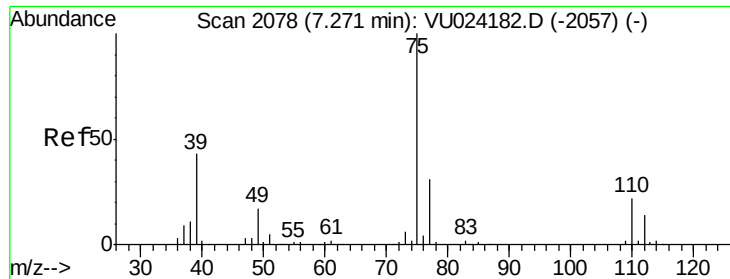
20000

0

6.65 6.70 6.75 6.80 6.85

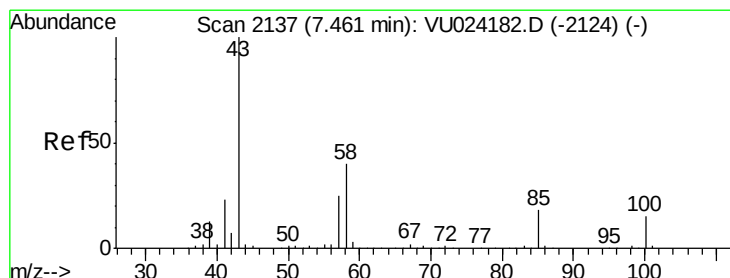
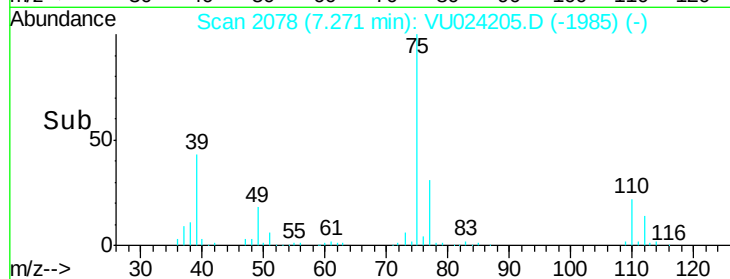
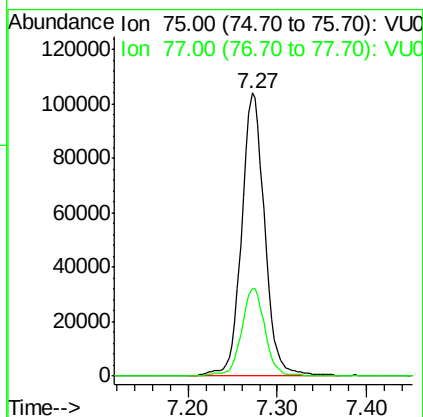
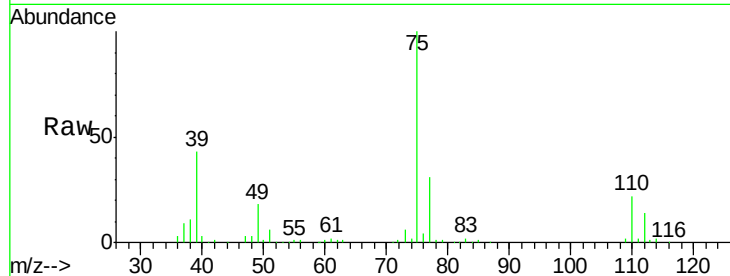
Time-->





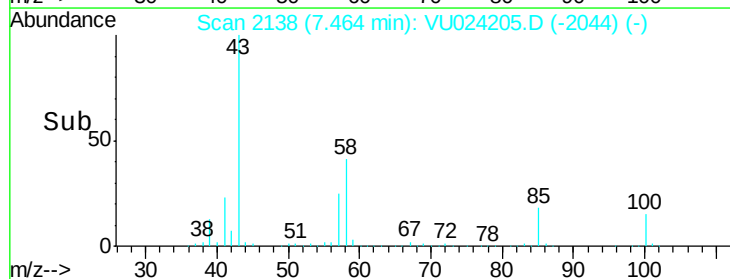
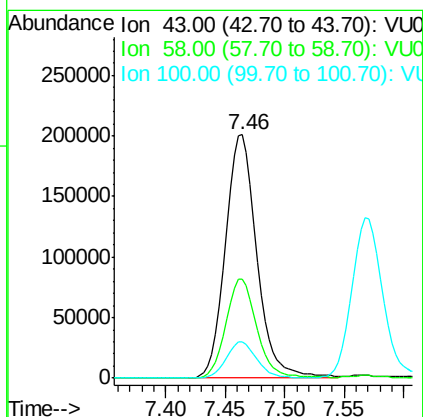
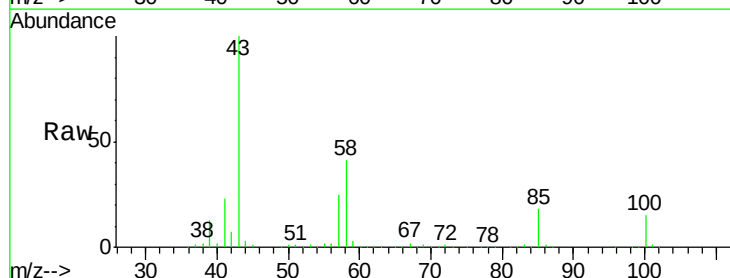
#39  
 cis-1,3-Dichloropropene  
 Concen: 50.49 ug/L  
 RT: 7.27 min Scan# 2078  
 Delta R.T. -0.00 min  
 Lab File: VU024205.D  
 Acq: 27 May 2018 22:10

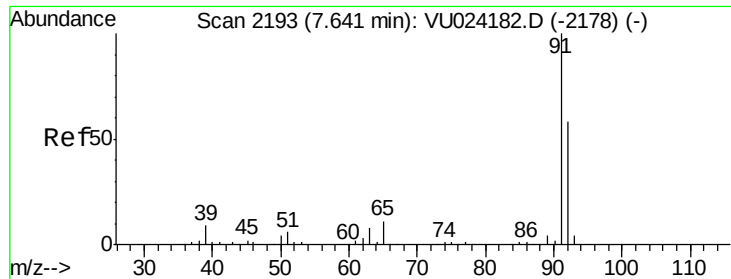
Tgt Ion: 75 Resp: 187482  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 22.5 41.9



#40  
 4-Methyl-2-pentanone  
 Concen: 96.69 ug/L  
 RT: 7.46 min Scan# 2138  
 Delta R.T. 0.00 min  
 Lab File: VU024205.D  
 Acq: 27 May 2018 22:10

Tgt Ion: 43 Resp: 368697  
 Ion Ratio Lower Upper  
 43 100  
 58 40.2 31.6 47.4  
 100 14.4 11.5 17.3





#42

Toluene

Concen: 53.02 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024205.D

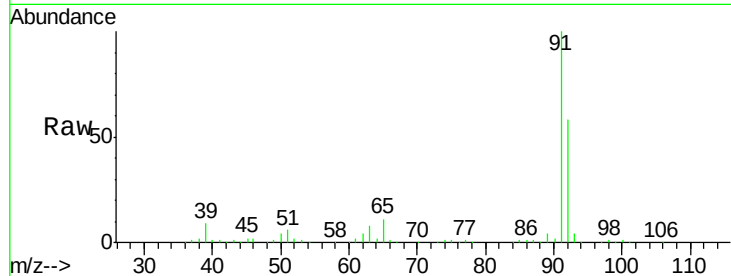
Acq: 27 May 2018 22:10

Tgt Ion: 91 Resp: 539809

Ion Ratio Lower Upper

91 100

92 58.3 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU024182.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU024182.D (-2178) (-)

7.64

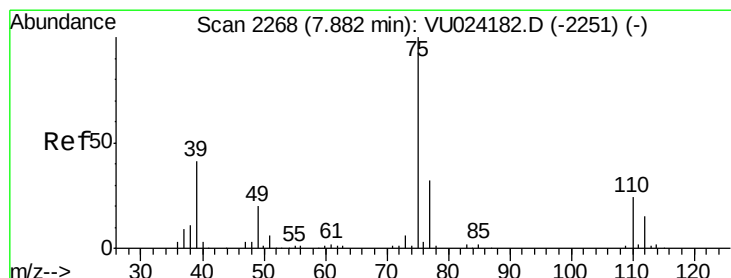
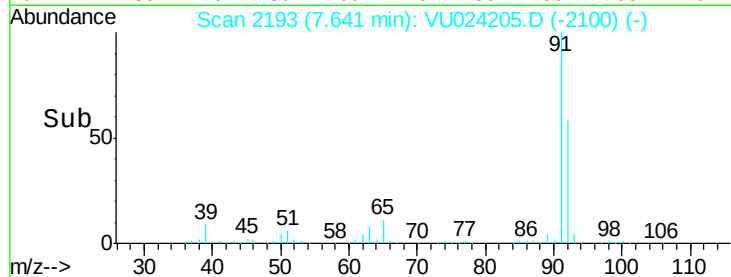
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.26 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024205.D

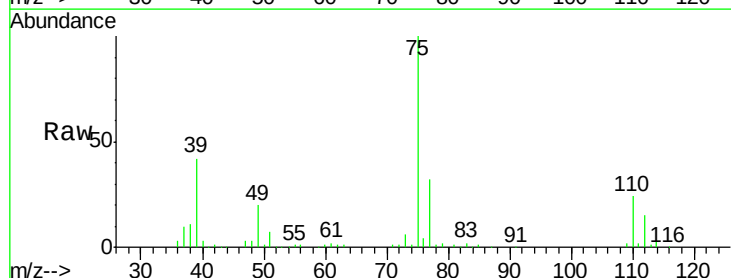
Acq: 27 May 2018 22:10

Tgt Ion: 75 Resp: 166192

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU024182.D (-2251) (-)

Ion 77.00 (76.70 to 77.70): VU024182.D (-2251) (-)

7.88

100000

80000

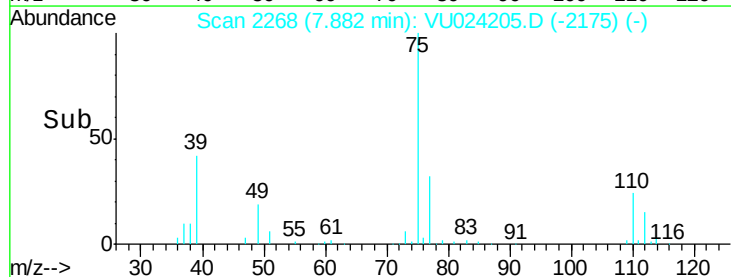
60000

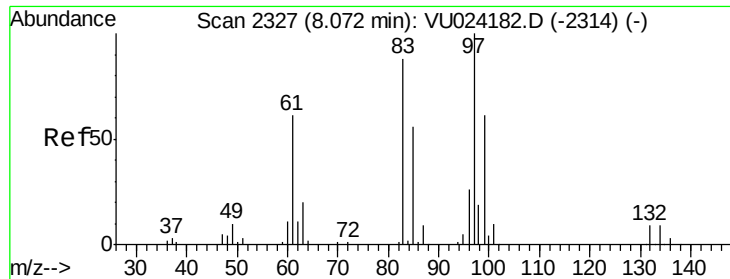
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.18 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

Tgt Ion: 97 Resp: 127985

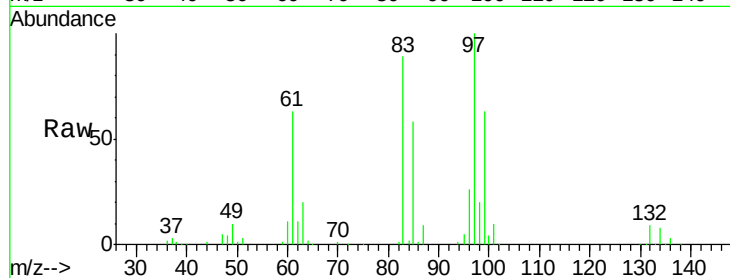
Ion Ratio Lower Upper

97 100

99 62.6 43.5 80.9

83 88.9 61.9 114.9

85 58.2 40.7 75.7

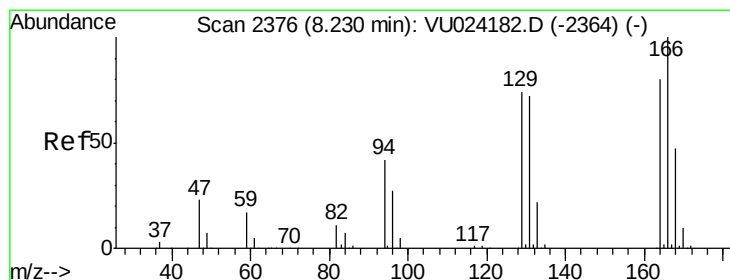
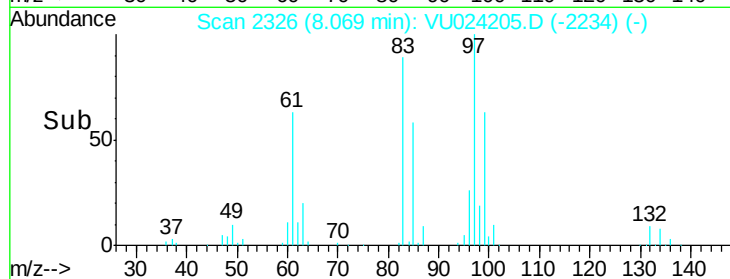
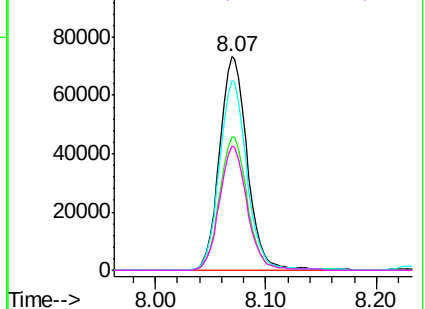


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.05 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

Tgt Ion: 164 Resp: 98631

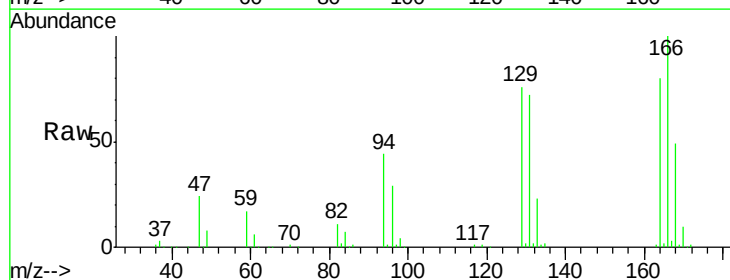
Ion Ratio Lower Upper

164 100

129 95.6 66.6 123.6

131 90.9 64.5 119.9

166 125.6 89.3 165.9

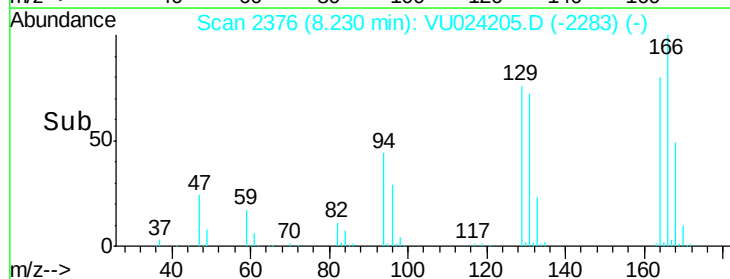
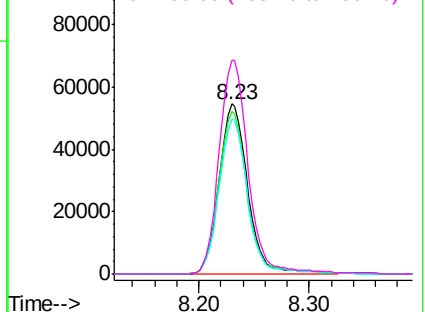


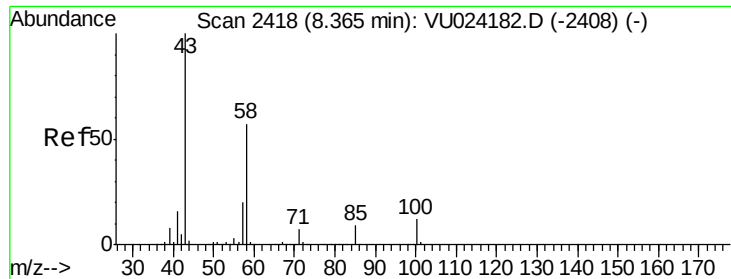
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

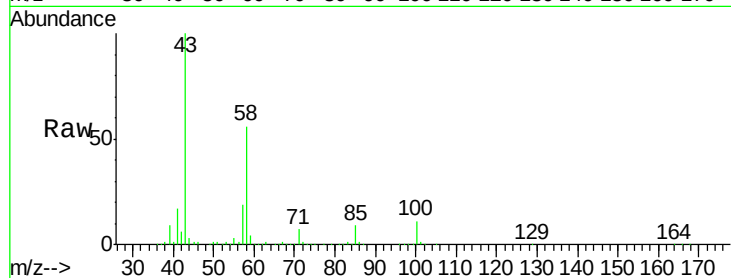
Ion 166.00 (165.70 to 166.70): V



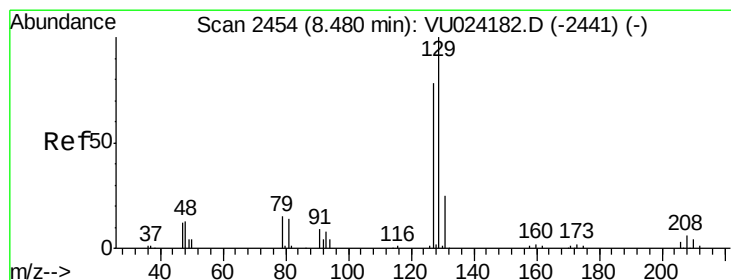
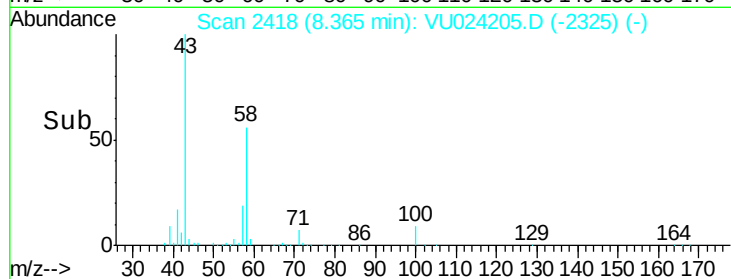
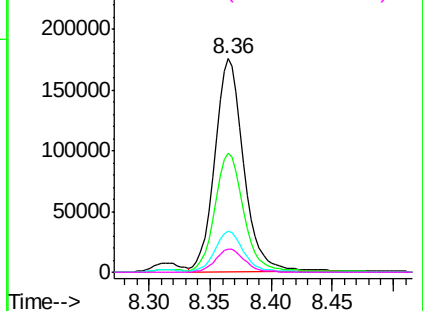


#48  
2-Hexanone  
Concen: 96.55 ug/L  
RT: 8.36 min Scan# 2418  
Delta R.T. -0.00 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 290460 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 56.1  | 44.6  | 67.0   |
| 57       | 19.0  | 15.3  | 22.9   |
| 100      | 11.1  | 8.9   | 13.3   |

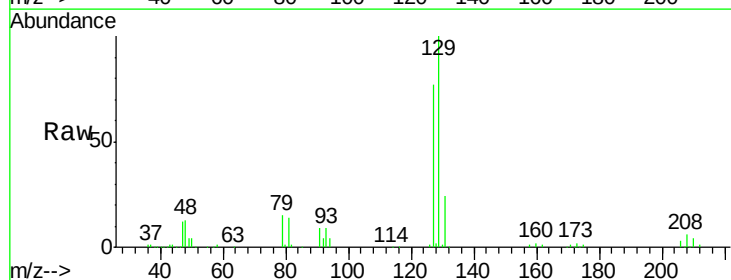


Abundance Ion 43.00 (42.70 to 43.70): VU024182.D (-2408) (-)  
Ion 58.00 (57.70 to 58.70): VU024182.D (-2408) (-)  
Ion 57.00 (56.70 to 57.70): VU024182.D (-2408) (-)  
Ion 100.00 (99.70 to 100.70): VU024182.D (-2408) (-)

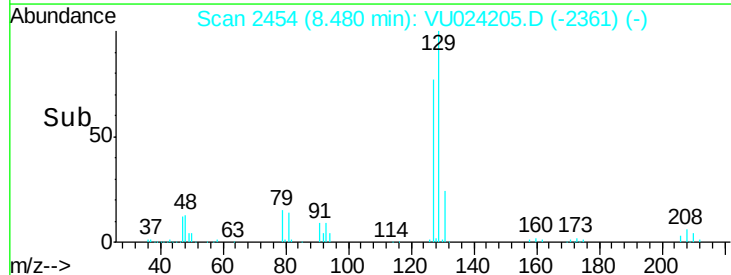
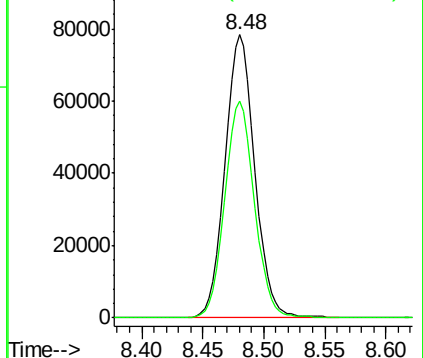


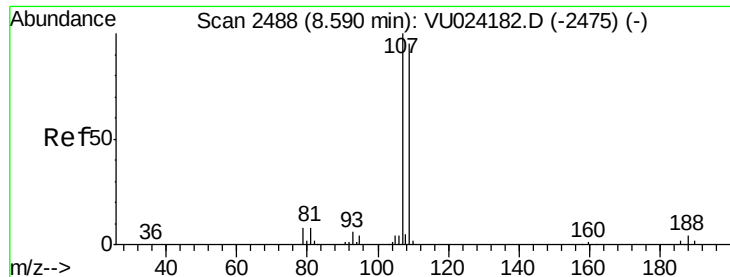
#49  
Dibromochloromethane  
Concen: 50.95 ug/L  
RT: 8.48 min Scan# 2454  
Delta R.T. -0.00 min  
Lab File: VU024205.D  
Acq: 27 May 2018 22:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 134020 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 76.7  | 54.2  | 100.6  |



Abundance Ion 129.00 (128.70 to 129.70): VU024182.D (-2441) (-)  
Ion 127.00 (126.70 to 127.70): VU024182.D (-2441) (-)





#50

1,2-Dibromoethane

Concen: 50.40 ug/L

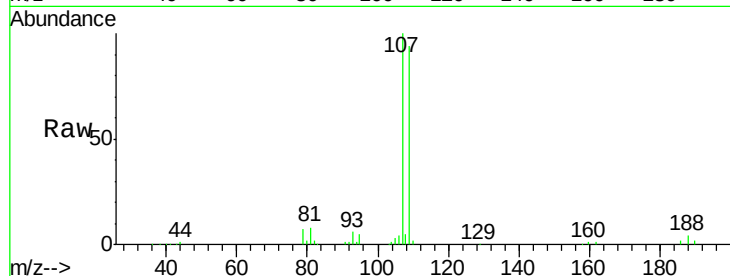
RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

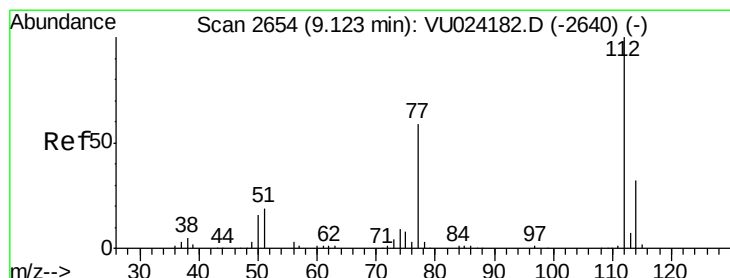
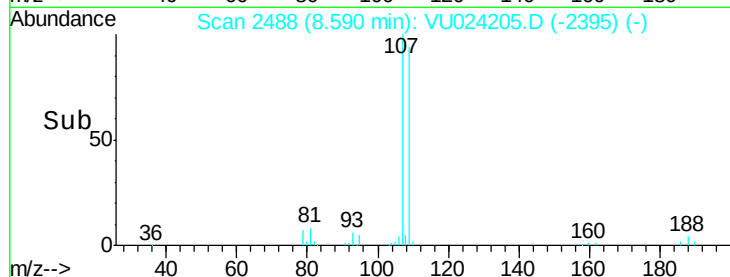
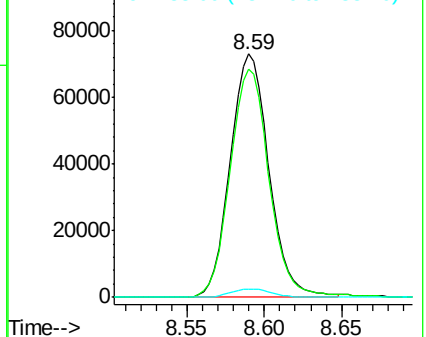
Lab File: VU024205.D

Acq: 27 May 2018 22:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 126818 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 93.8  | 65.6  | 121.8  |
| 188      | 3.6   | 2.9   | 4.3    |



Abundance Ion 107.00 (106.70 to 107.70): V  
Ion 109.00 (108.70 to 109.70): V  
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.94 ug/L

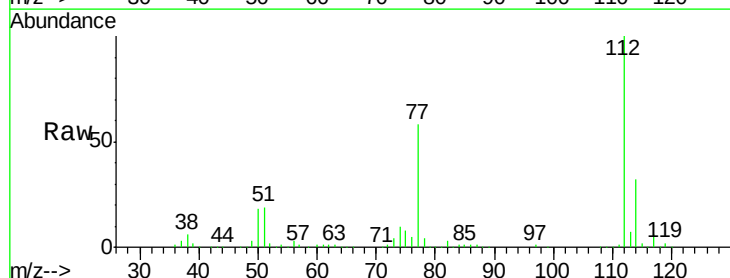
RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

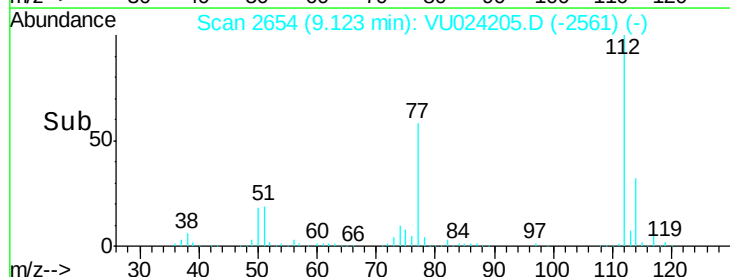
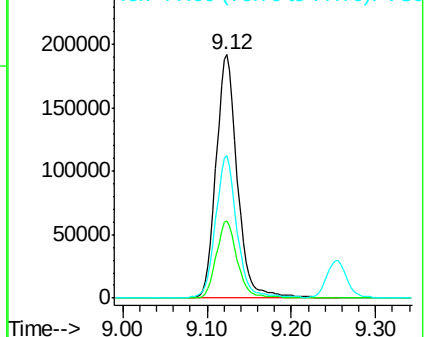
Lab File: VU024205.D

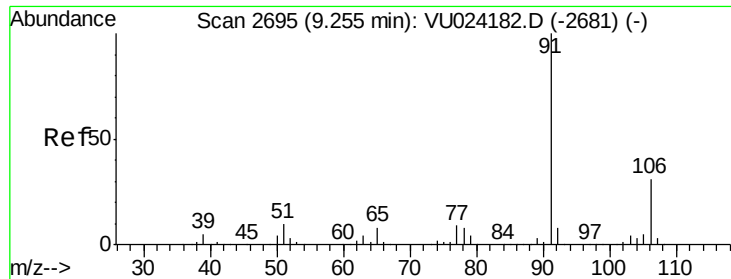
Acq: 27 May 2018 22:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 336612 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.8  | 22.5  | 41.9   |
| 77       | 58.3  | 47.3  | 70.9   |



Abundance Ion 112.00 (111.70 to 112.70): V  
Ion 114.00 (113.70 to 114.70): V  
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 52.60 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU024205.D

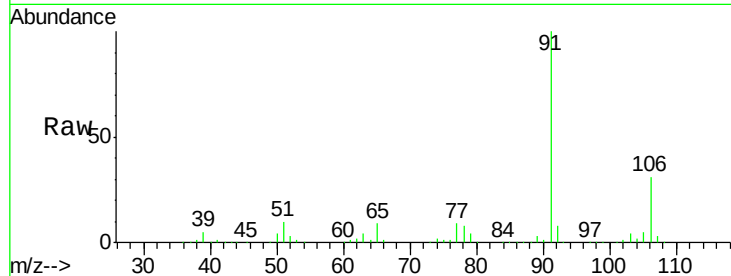
Acq: 27 May 2018 22:10

Tgt Ion: 91 Resp: 566124

Ion Ratio Lower Upper

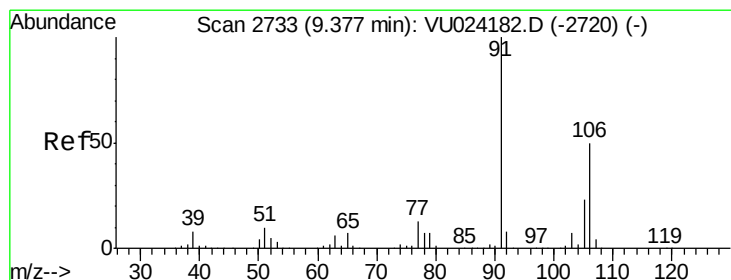
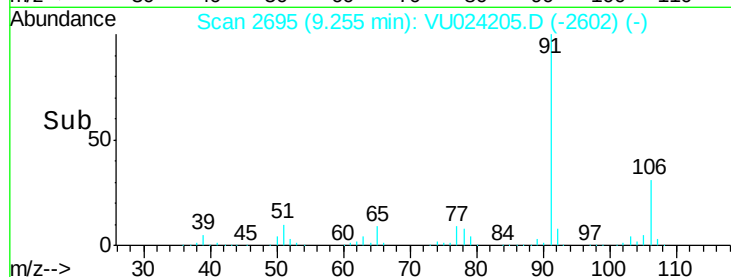
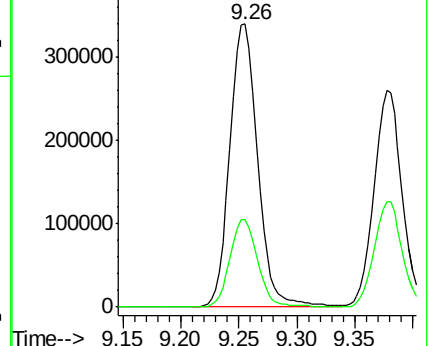
91 100

106 31.1 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.65 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024205.D

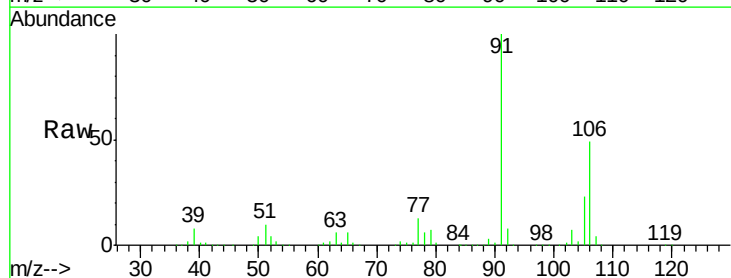
Acq: 27 May 2018 22:10

Tgt Ion: 106 Resp: 214651

Ion Ratio Lower Upper

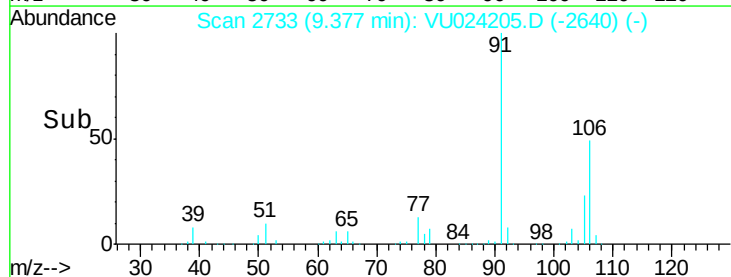
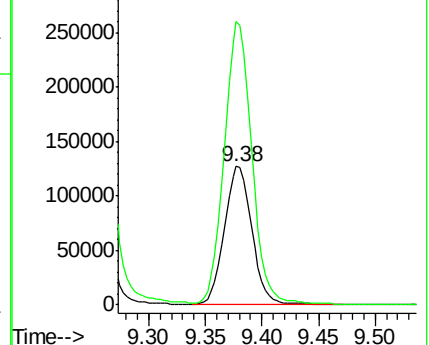
106 100

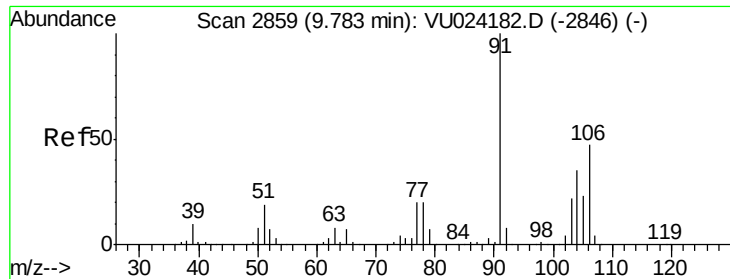
91 204.2 141.9 263.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#54

o-xylene

Concen: 53.30 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU024205.D

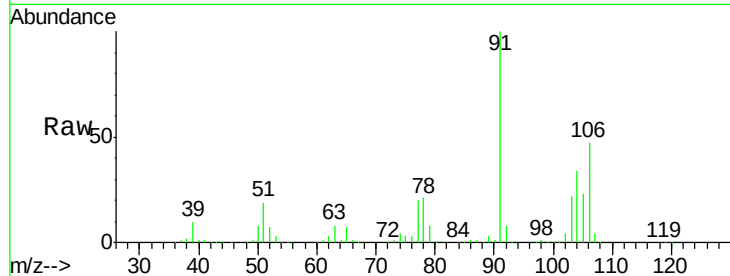
Acq: 27 May 2018 22:10

Tgt Ion:106 Resp: 217628

Ion Ratio Lower Upper

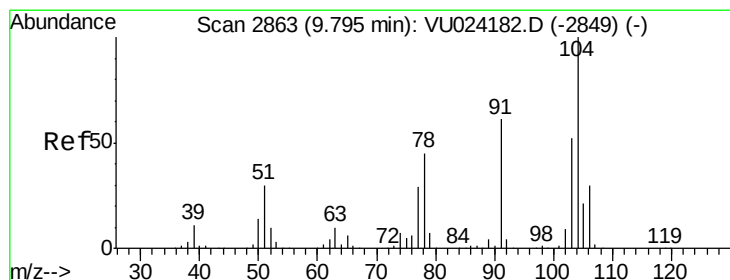
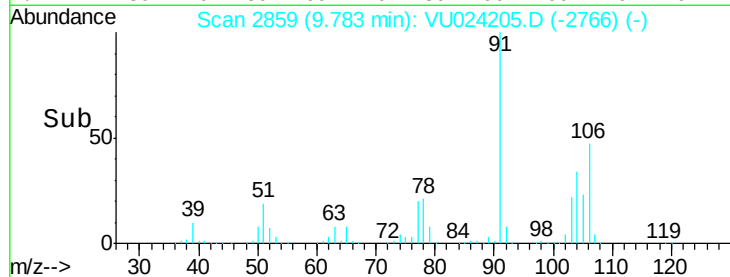
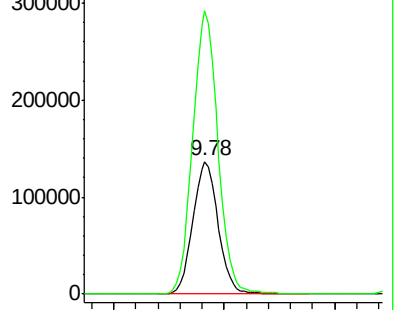
106 100

91 213.4 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.22 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU024205.D

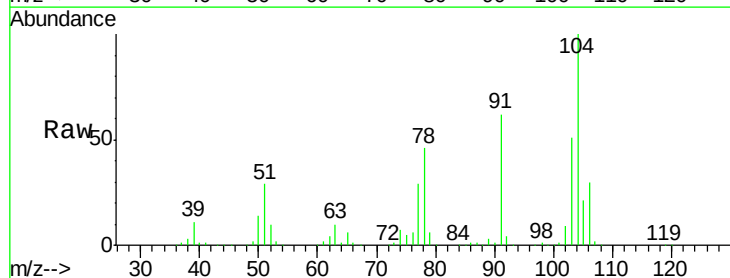
Acq: 27 May 2018 22:10

Tgt Ion:104 Resp: 365929

Ion Ratio Lower Upper

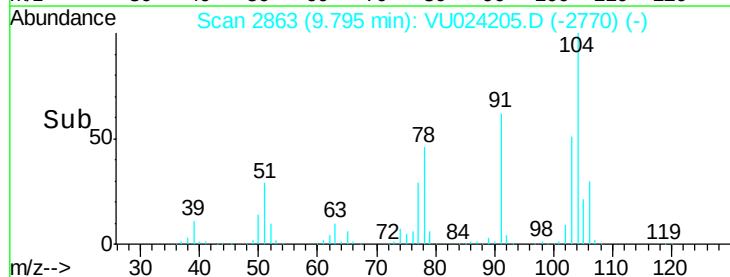
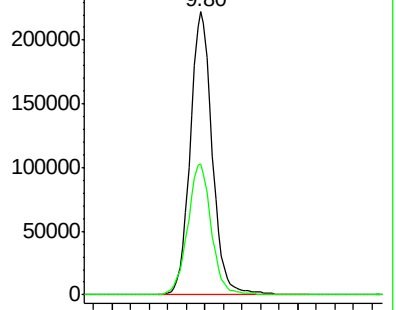
104 100

78 46.1 32.6 60.5

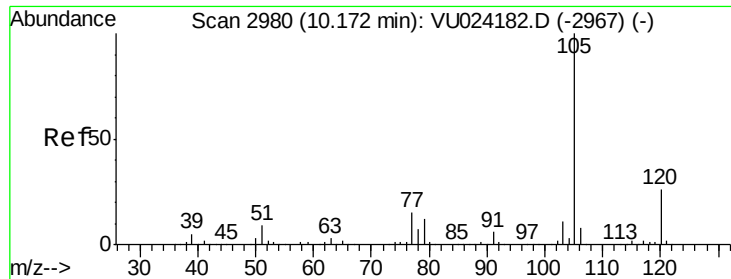


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0







#56

Isopropylbenzene

Concen: 52.92 ug/L

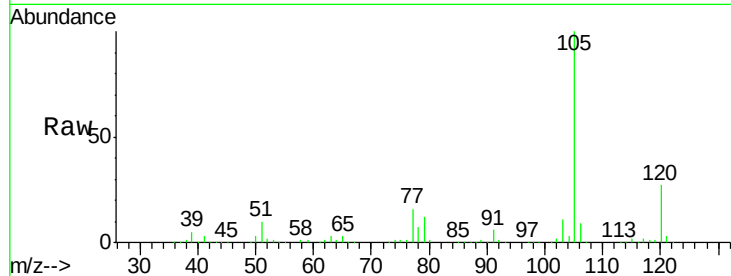
RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

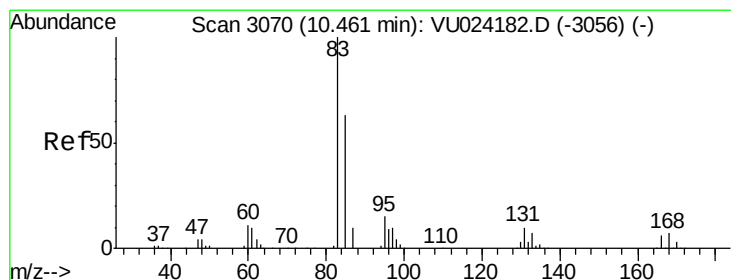
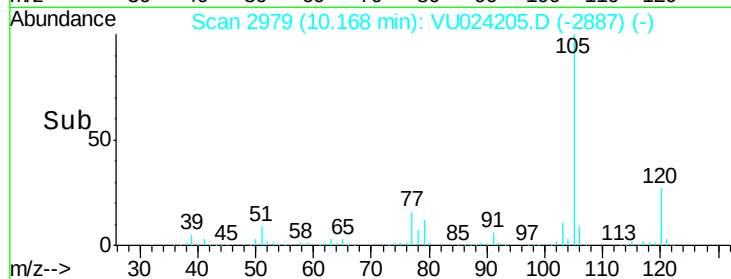
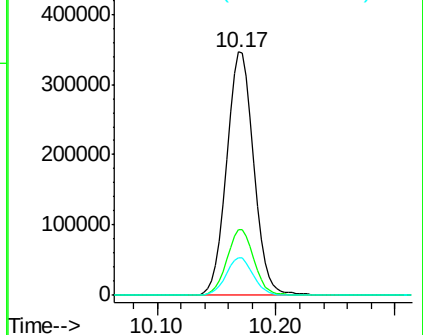
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 546939 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 26.9  | 21.4  | 32.0   |
| 77       | 15.6  | 12.5  | 18.7   |



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.50 ug/L

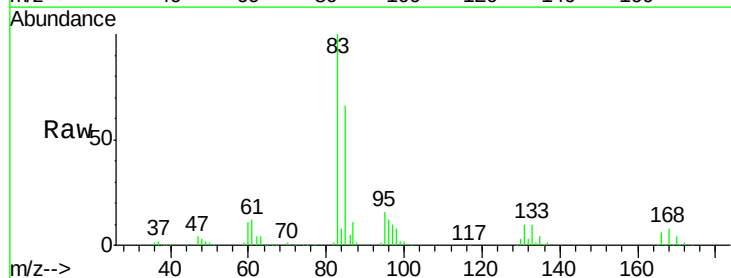
RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

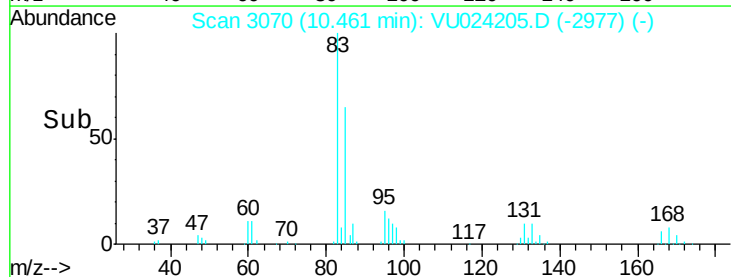
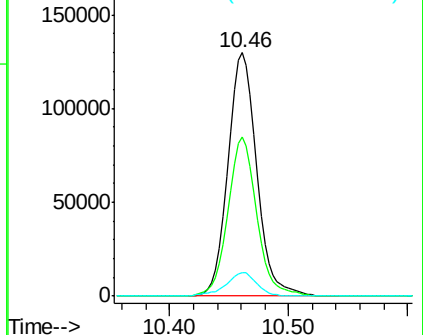
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 217723 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.5  | 45.3  | 84.1   |
| 131      | 9.7   | 7.6   | 11.4   |

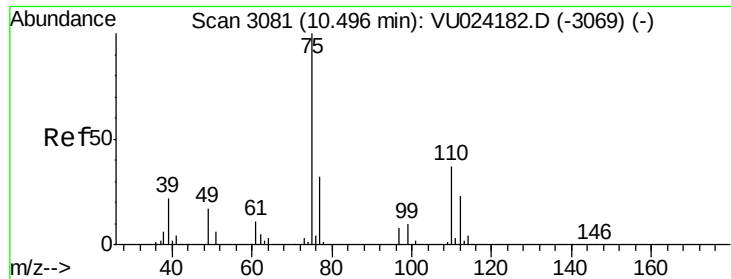


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

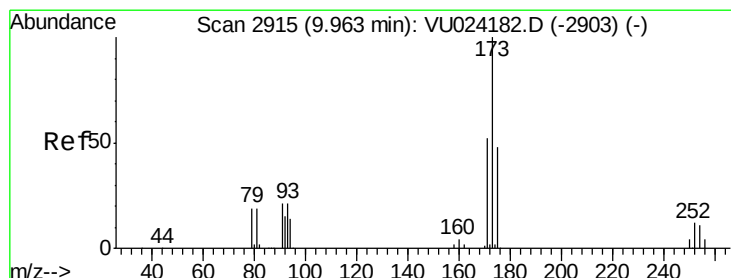
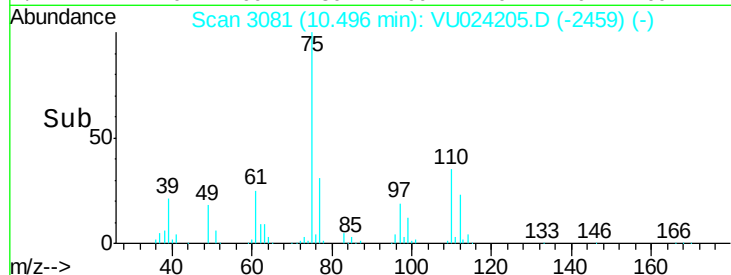
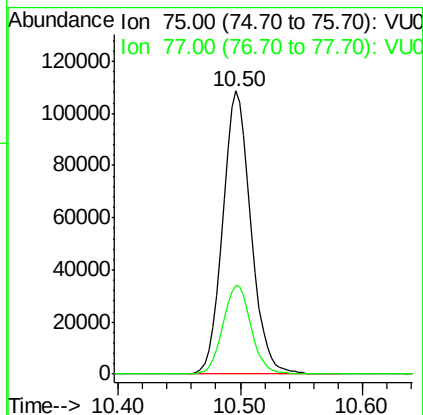
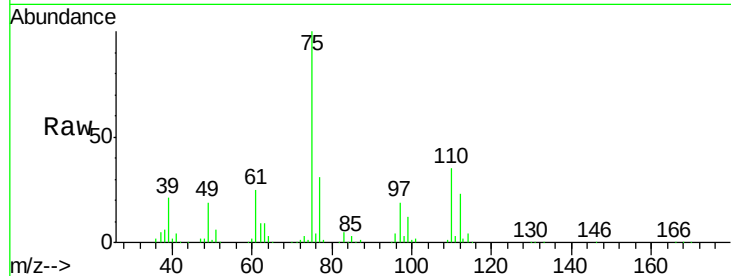
Ion 131.00 (130.70 to 131.70): V





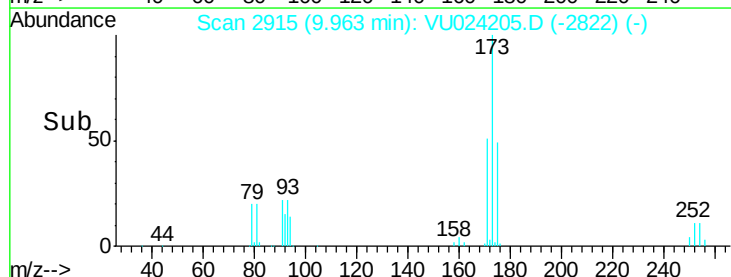
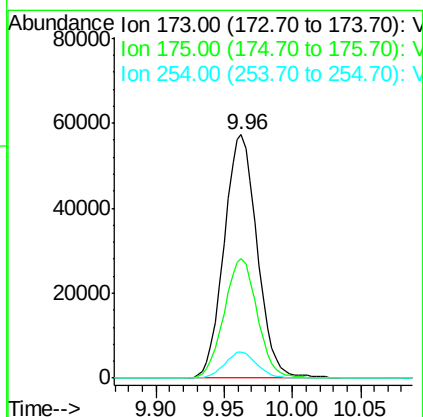
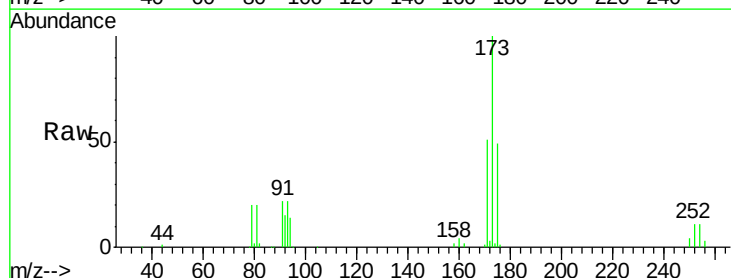
#59  
 1,2,3-Trichloropropane  
 Concen: 49.99 ug/L  
 RT: 10.50 min Scan# 3081  
 Delta R.T. -0.00 min  
 Lab File: VU024205.D  
 Acq: 27 May 2018 22:10

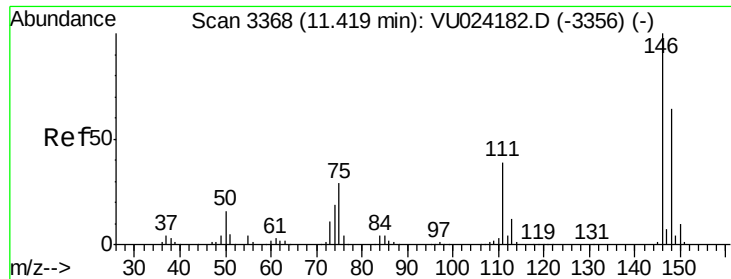
Tgt Ion: 75 Resp: 175982  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.5 38.3



#61  
 Bromoform  
 Concen: 48.43 ug/L  
 RT: 9.96 min Scan# 2915  
 Delta R.T. -0.00 min  
 Lab File: VU024205.D  
 Acq: 27 May 2018 22:10

Tgt Ion: 173 Resp: 96482  
 Ion Ratio Lower Upper  
 173 100  
 175 49.3 38.5 57.7  
 254 10.4 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 50.58 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

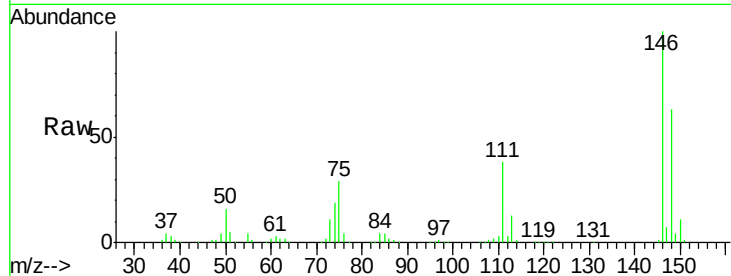
Tgt Ion:146 Resp: 238678

Ion Ratio Lower Upper

146 100

111 38.2 27.6 51.4

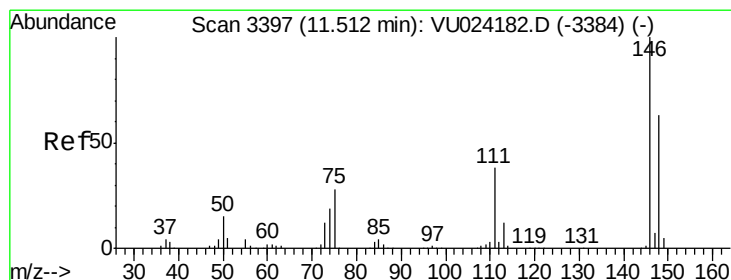
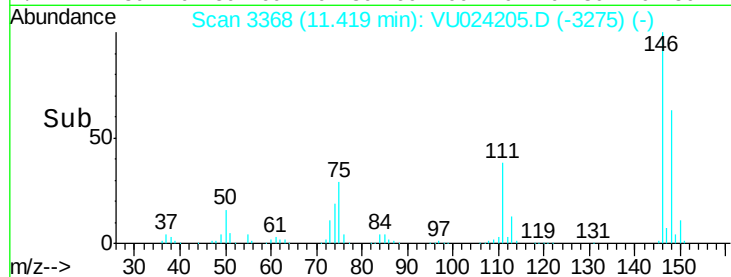
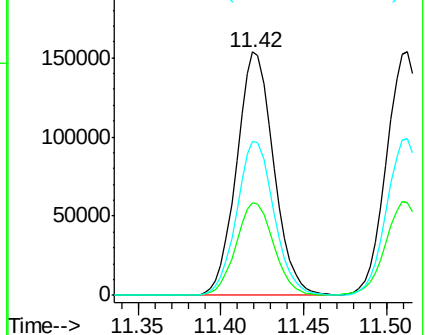
148 63.3 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.28 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

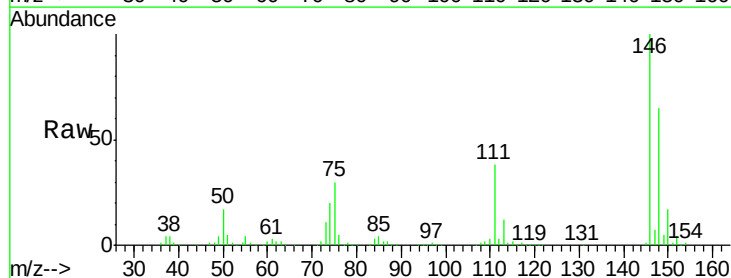
Tgt Ion:146 Resp: 242787

Ion Ratio Lower Upper

146 100

111 38.1 26.9 49.9

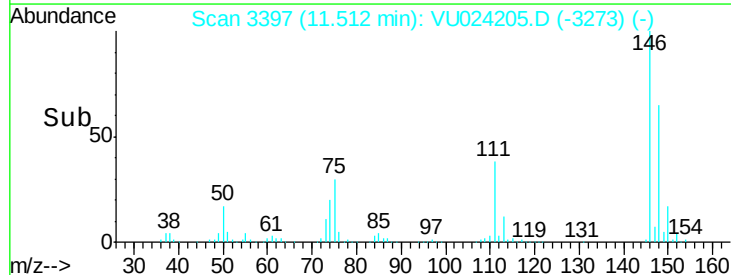
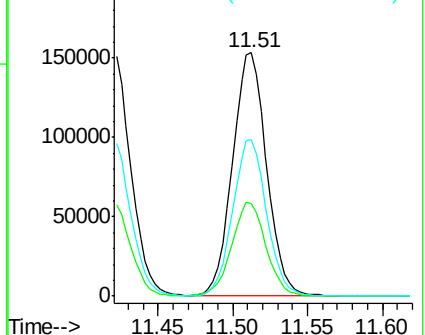
148 64.5 45.4 84.2

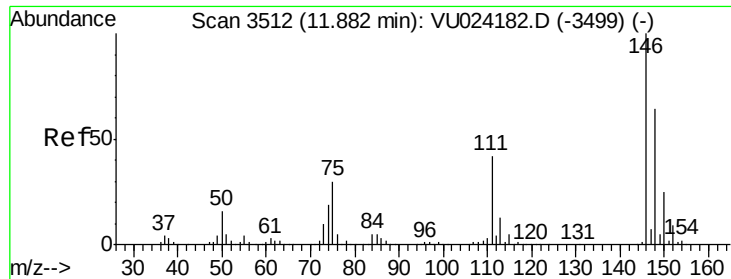


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

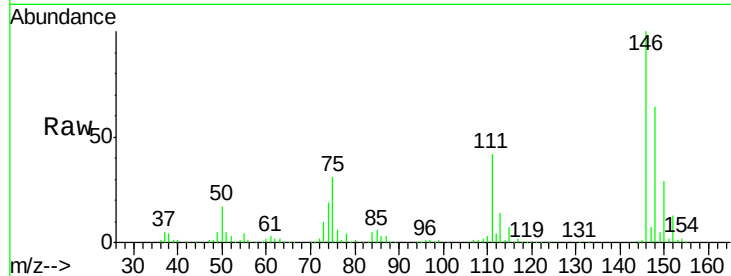
Ion 148.00 (147.70 to 148.70): V



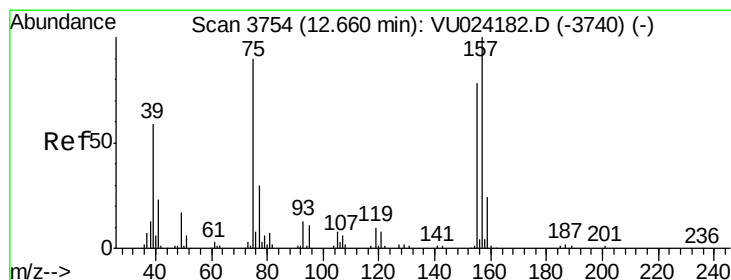
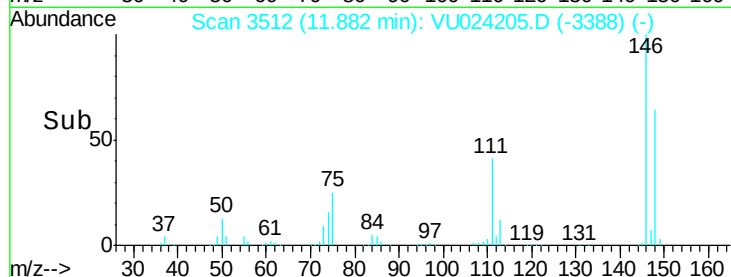
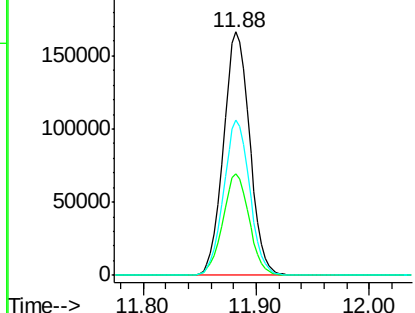


#65  
 1,2-Dichlorobenzene  
 Concen: 51.50 ug/L  
 RT: 11.88 min Scan# 3512  
 Delta R.T. -0.00 min  
 Lab File: VU024205.D  
 Acq: 27 May 2018 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.9  | 33.0  | 49.6  |
| 148     | 63.6  | 51.0  | 76.6  |

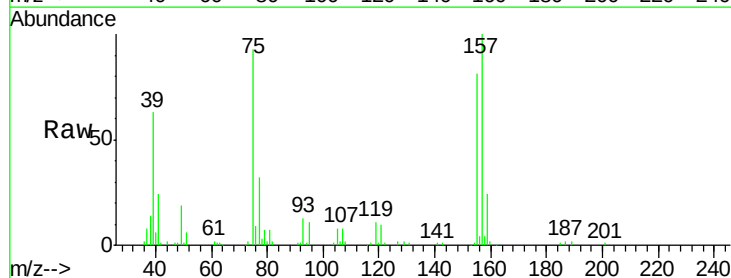


Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

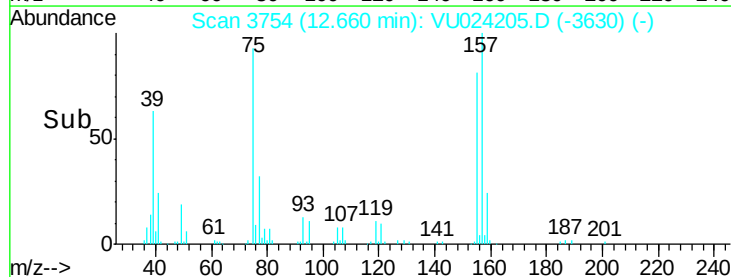
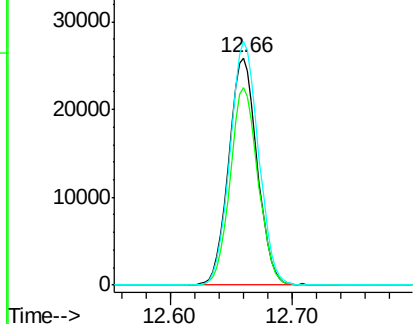


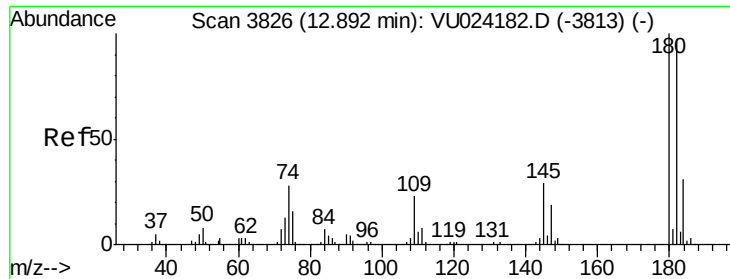
#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 45.43 ug/L  
 RT: 12.66 min Scan# 3754  
 Delta R.T. -0.00 min  
 Lab File: VU024205.D  
 Acq: 27 May 2018 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 87.1  | 66.8  | 100.2 |
| 157     | 107.2 | 84.8  | 127.2 |



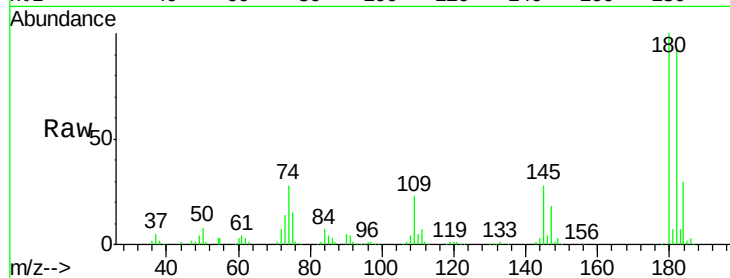
Abundance Ion 75.00 (74.70 to 75.70): VU0  
 Ion 155.00 (154.70 to 155.70): V  
 Ion 157.00 (156.70 to 157.70): V



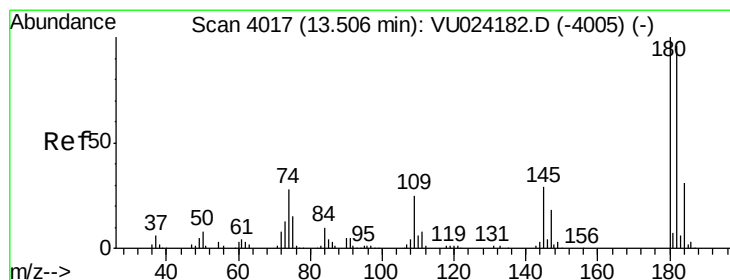
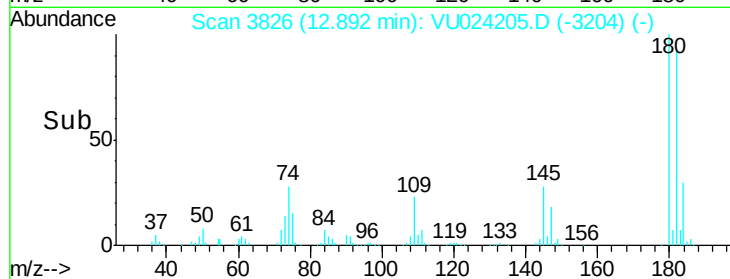
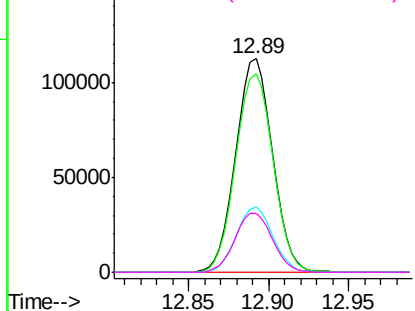


#67  
 1,3,5-Trichlorobenzene  
 Concen: 50.49 ug/L  
 RT: 12.89 min Scan# 3826  
 Delta R.T. -0.00 min  
 Lab File: VU024205.D  
 Acq: 27 May 2018 22:10

Tgt Ion:180 Resp: 175873  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 75.8 113.6  
 184 30.4 24.6 36.8  
 145 28.2 23.4 35.0

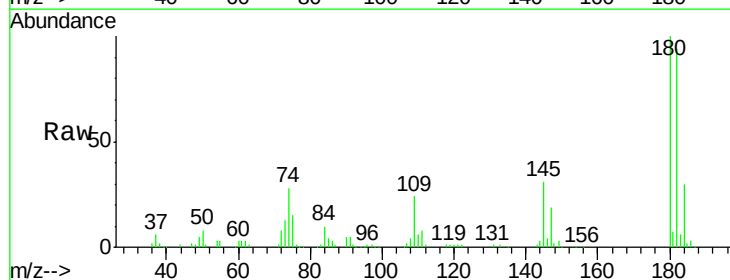


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 184.00 (183.70 to 184.70): V  
 Ion 145.00 (144.70 to 145.70): V

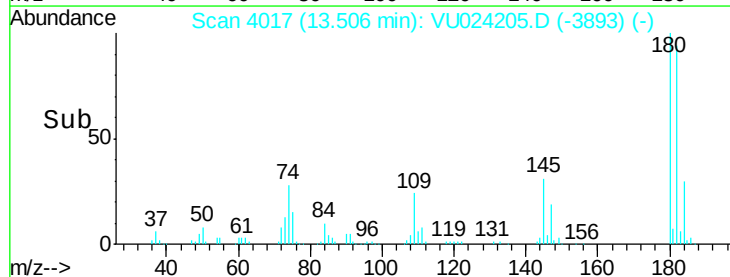
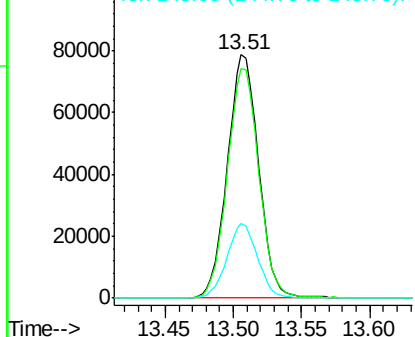


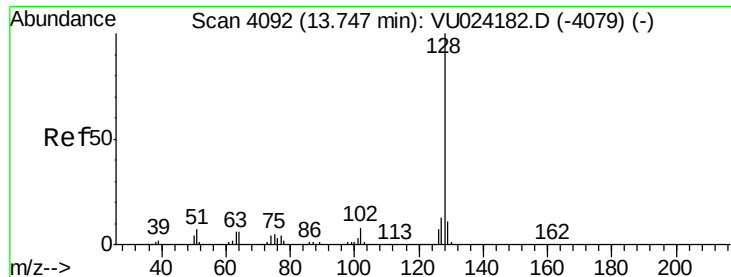
#68  
 1,2,4-trichlorobenzene  
 Concen: 49.96 ug/L  
 RT: 13.51 min Scan# 4017  
 Delta R.T. -0.00 min  
 Lab File: VU024205.D  
 Acq: 27 May 2018 22:10

Tgt Ion:180 Resp: 125607  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 76.8 115.2  
 145 30.1 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.73 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

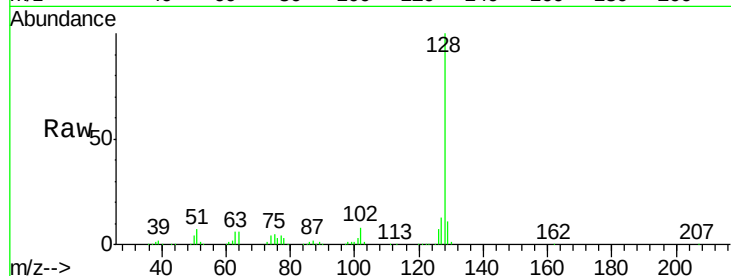
Tgt Ion:128 Resp: 360832

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

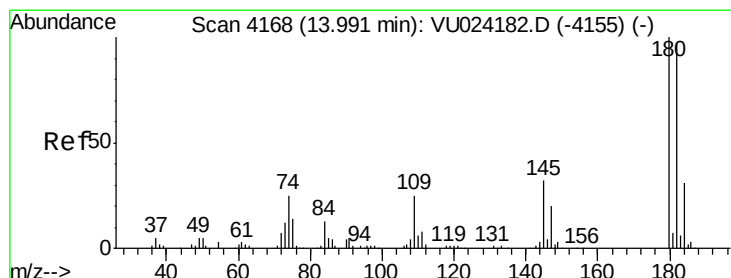
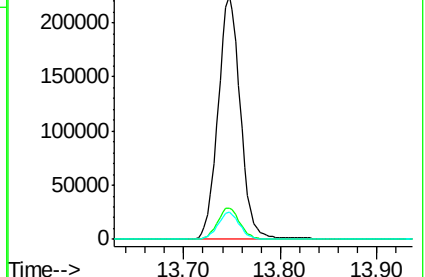
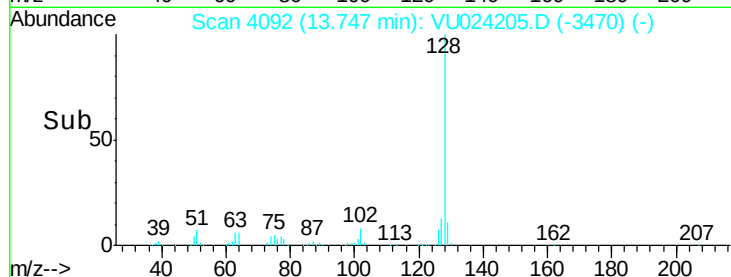
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.24 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU024205.D

Acq: 27 May 2018 22:10

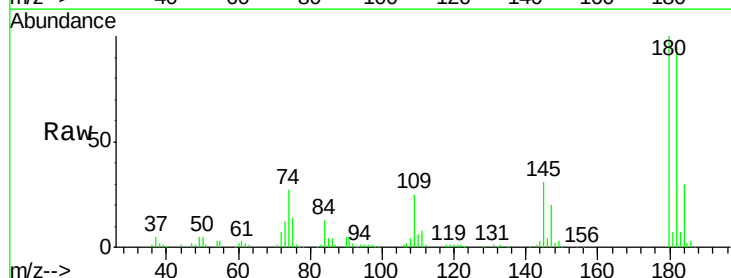
Tgt Ion:180 Resp: 144970

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 31.1 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

