

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071620\  
 Data File : VW015862.D  
 Acq On : 16 Jul 2020 15:07  
 Operator : SY/VA  
 Sample : VW0716SBSD01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

Quant Time: Jul 16 18:09:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 08:28:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 262488   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 415596   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 376383   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 188896   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 124989   | 46.24 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.48% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 112116   | 46.24 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.48% |          |
| 50) Toluene-d8              | 10.33 | 98   | 438032   | 47.03 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.06% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 165949   | 48.56 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.12% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85   | 26732    | 19.337  | ug/l  | 94     |
| 3) Chloromethane              | 2.21 | 50   | 34680    | 18.472  | ug/l  | 97     |
| 4) Vinyl Chloride             | 2.37 | 62   | 58498    | 20.181  | ug/l  | 95     |
| 5) Bromomethane               | 2.79 | 94   | 38084    | 17.170  | ug/l  | 96     |
| 6) Chloroethane               | 2.93 | 64   | 36881    | 18.853  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 3.26 | 101  | 44109    | 21.173  | ug/l  | 97     |
| 8) Diethyl Ether              | 3.68 | 74   | 25061    | 19.307  | ug/l  | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101  | 50304    | 20.628  | ug/l  | 99     |
| 10) Methyl Iodide             | 4.27 | 142  | 71419    | 20.946  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 5.17 | 59   | 15562    | 106.818 | ug/l  | 97     |
| 12) 1,1-Dichloroethene        | 4.04 | 96   | 48613    | 20.275  | ug/l  | 98     |
| 13) Acrolein                  | 3.89 | 56   | 14436    | 76.989  | ug/l  | 94     |
| 14) Allyl chloride            | 4.67 | 41   | 77207    | 19.812  | ug/l  | 97     |
| 15) Acrylonitrile             | 5.37 | 53   | 50382    | 99.274  | ug/l  | 99     |
| 16) Acetone                   | 4.12 | 43   | 49389    | 97.655  | ug/l  | 98     |
| 17) Carbon Disulfide          | 4.38 | 76   | 142636   | 19.998  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.67 | 43   | 22566    | 19.606  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 5.43 | 73   | 68946    | 19.213  | ug/l  | 100    |
| 20) Methylene Chloride        | 4.91 | 84   | 86192    | 31.489  | ug/l  | 95     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96   | 53978    | 19.437  | ug/l  | 99     |
| 22) Diisopropyl ether         | 6.32 | 45   | 154177   | 19.632  | ug/l  | 98     |
| 23) Vinyl Acetate             | 6.26 | 43   | 441918   | 94.609  | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 6.22 | 63   | 97268    | 19.563  | ug/l  | 100    |
| 25) 2-Butanone                | 7.18 | 43   | 67144    | 97.806  | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 7.17 | 77   | 65090    | 20.867  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96   | 57696    | 19.348  | ug/l  | 98     |
| 28) Bromochloromethane        | 7.51 | 49   | 42210    | 21.414  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.54 | 42   | 41363    | 99.289  | ug/l  | 98     |
| 30) Chloroform                | 7.68 | 83   | 96985    | 19.082  | ug/l  | 99     |
| 31) Cyclohexane               | 7.96 | 56   | 93111    | 19.898  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97   | 83045    | 19.485  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75   | 80254    | 19.590  | ug/l  | 100    |
| 37) Ethyl Acetate             | 7.26 | 43   | 29697    | 18.656  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117  | 74934    | 18.903  | ug/l  | 95     |

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 Sample : VW0716SBSD01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
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Quant Time: Jul 16 18:09:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 08 08:28:05 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 96038    | 19.866  | ug/l   | 99       |
| 40) Benzene                    | 8.33  | 78   | 217611   | 19.391  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.49  | 41   | 16760    | 18.545  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 65631    | 18.791  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 56788    | 18.276  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 56529    | 19.044  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 53861    | 19.526  | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 27239    | 19.181  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.65  | 83   | 69672    | 18.968  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.44  | 41   | 27120    | 19.045  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 7002     | 398.807 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 142859   | 94.219  | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 138824   | 19.223  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 65101    | 18.472  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 79989    | 18.973  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 37375    | 18.980  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 45822    | 18.927  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 67531    | 19.372  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 120204   | 101.615 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 98758    | 97.599  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 42042    | 18.486  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 35485    | 18.833  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.87 | 164  | 46917    | 19.697  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.66 | 112  | 143043   | 19.434  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 49604    | 19.044  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 267003   | 19.588  | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.84 | 106  | 202555   | 39.558  | ug/l   | 99       |
| 69) o-Xylene                   | 12.17 | 106  | 90748    | 19.416  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 156829   | 19.501  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 21858    | 18.385  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.46 | 105  | 255134   | 19.172  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 54398    | 19.107  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 42837    | 19.373  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 31862m   | 19.192  | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 57750    | 19.354  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.80 | 91   | 319347   | 19.771  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 179293   | 19.464  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 223363   | 19.693  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 12311    | 19.283  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 188662   | 19.613  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 181889   | 19.317  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 227869   | 20.118  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 270990   | 19.928  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 249355   | 20.081  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 117346   | 19.618  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 112457   | 19.205  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.82 | 91   | 240198   | 20.213  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 42726    | 18.983  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 101045   | 19.499  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 6894     | 19.513  | ug/l   | 98       |

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Operator : SY/VA  
Sample : VW0716SBSD01  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

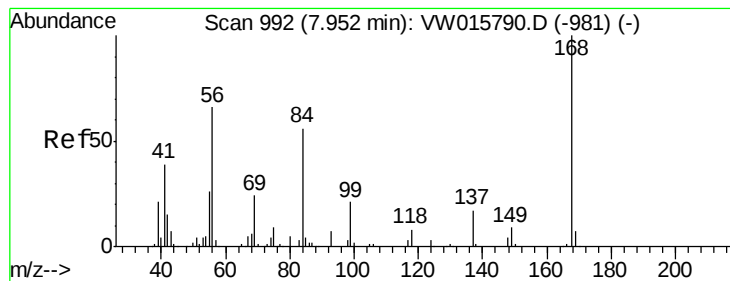
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

Quant Time: Jul 16 18:09:57 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W070720S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 08 08:28:05 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 65298    | 19.987 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 41949    | 20.223 | ug/l  | 95       |
| 95) Naphthalene            | 15.37 | 128  | 111607   | 20.072 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180  | 58424    | 21.016 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

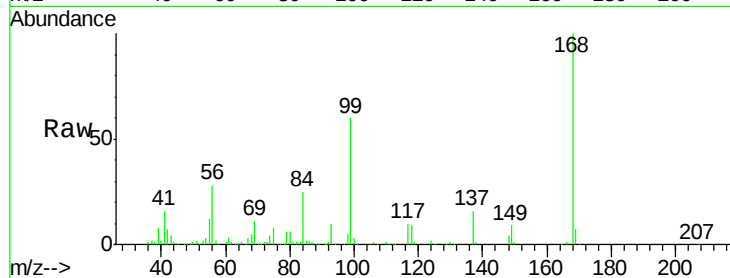
VW0716SBSD01

Tot Ion:168 Resp: 262488

Ion Ratio Lower Upper

168 100

99 59.8 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

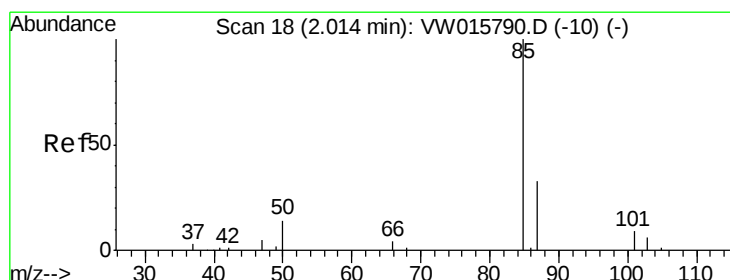
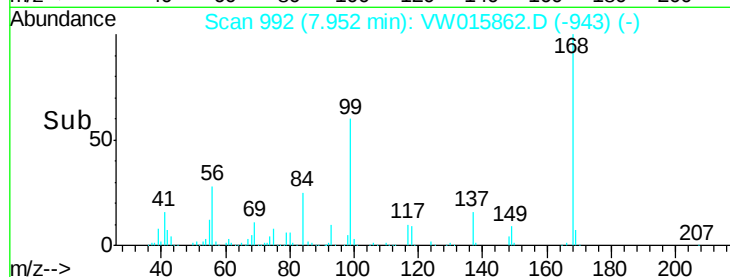
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.337 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015862.D

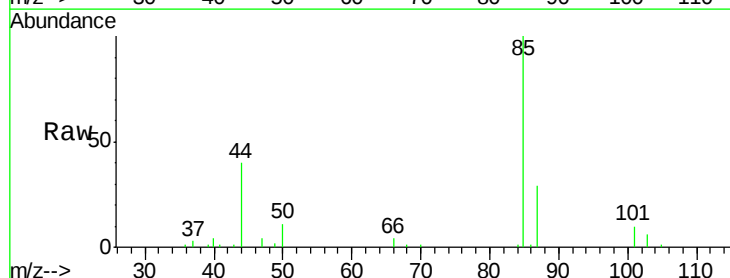
Acq: 16 Jul 2020 15:07

Tgt Ion: 85 Resp: 26732

Ion Ratio Lower Upper

85 100

87 29.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

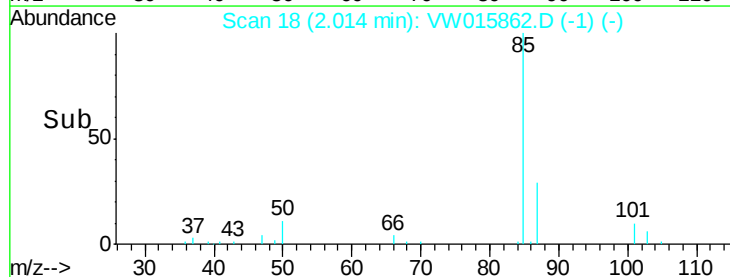
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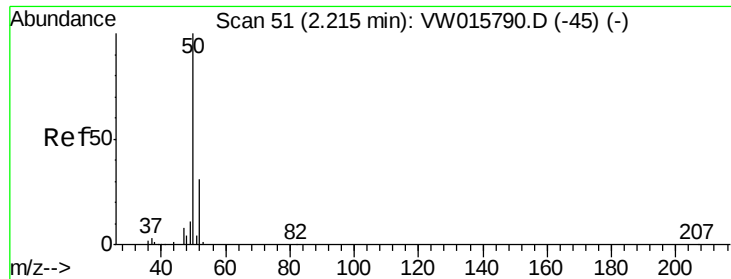
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.472 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

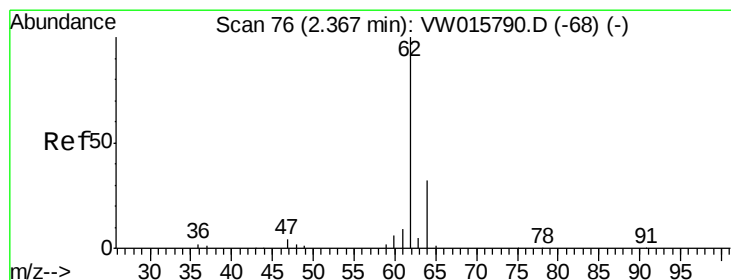
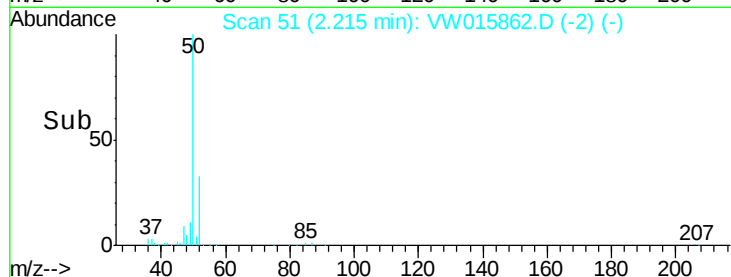
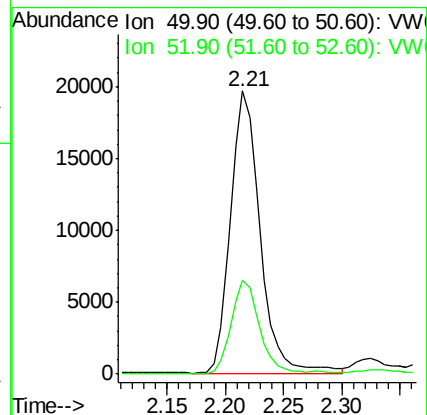
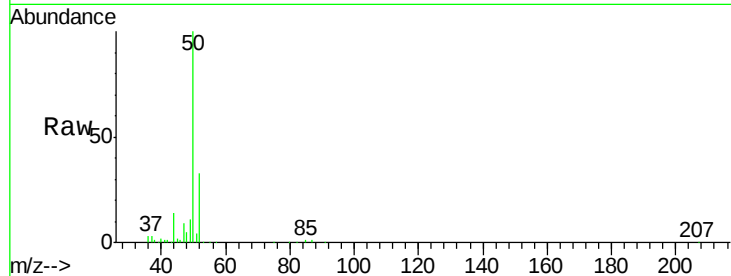
VW0716SBSD01

Tot Ion: 50 Resp: 34680

Ion Ratio Lower Upper

50 100

52 33.1 25.2 37.8



#4

Vinyl Chloride

Concen: 20.181 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015862.D

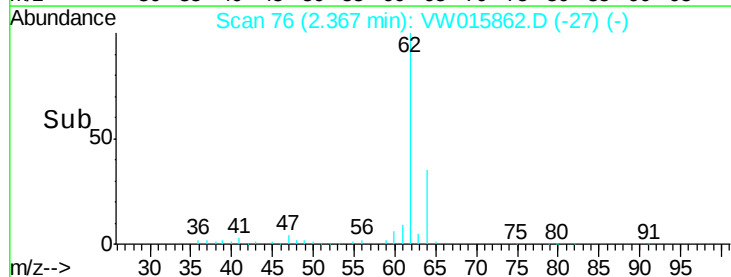
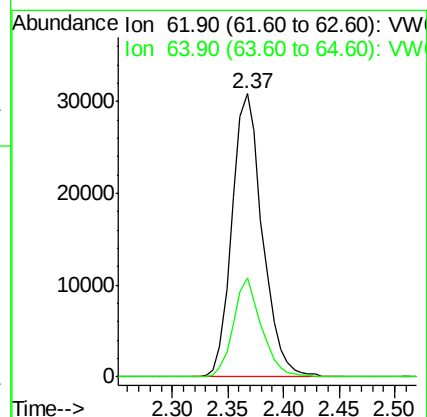
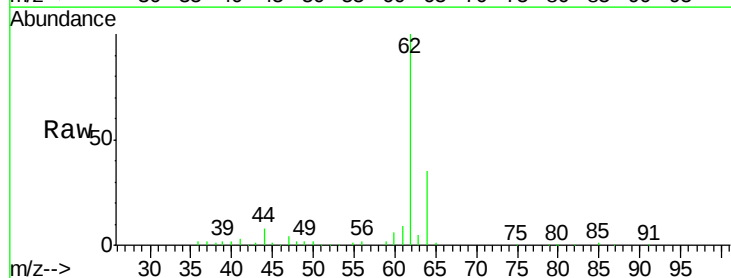
Acq: 16 Jul 2020 15:07

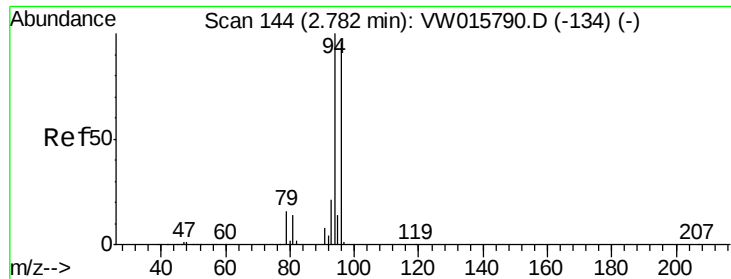
Tgt Ion: 62 Resp: 58498

Ion Ratio Lower Upper

62 100

64 34.8 25.8 38.8





#5

Bromomethane

Concen: 17.170 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

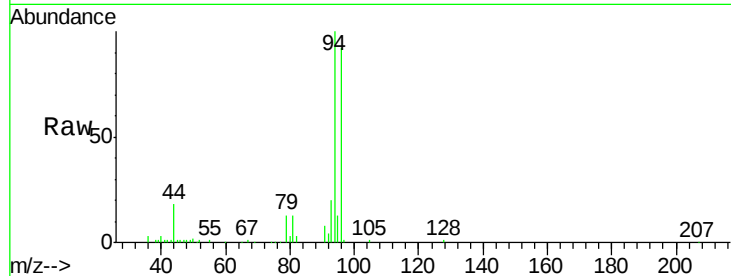
VW0716SBSD01

Tot Ion: 94 Resp: 38084

Ion Ratio Lower Upper

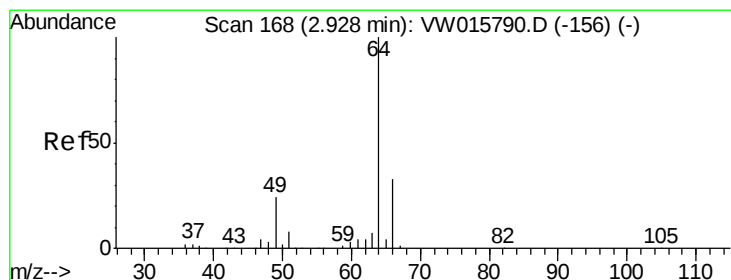
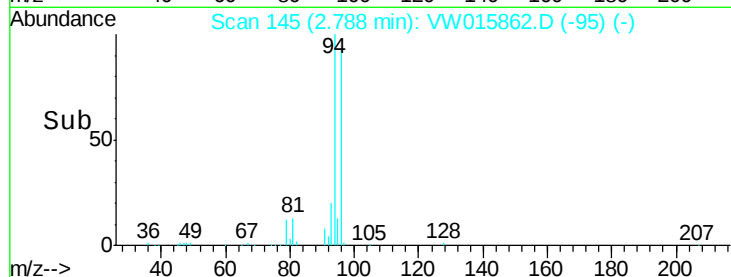
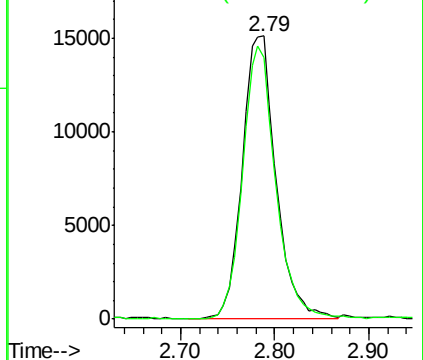
94 100

96 92.4 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.853 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015862.D

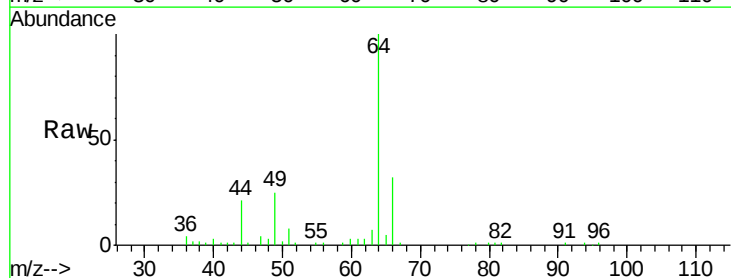
Acq: 16 Jul 2020 15:07

Tgt Ion: 64 Resp: 36881

Ion Ratio Lower Upper

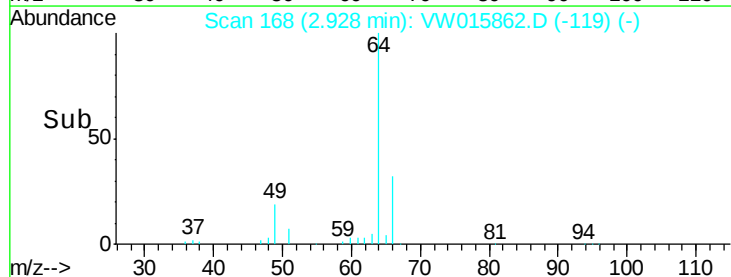
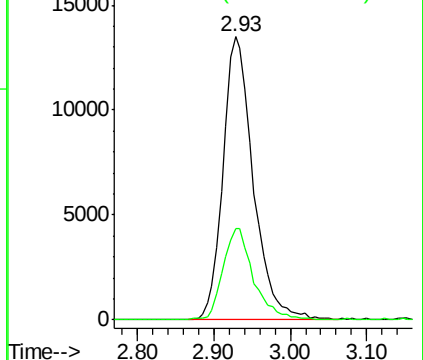
64 100

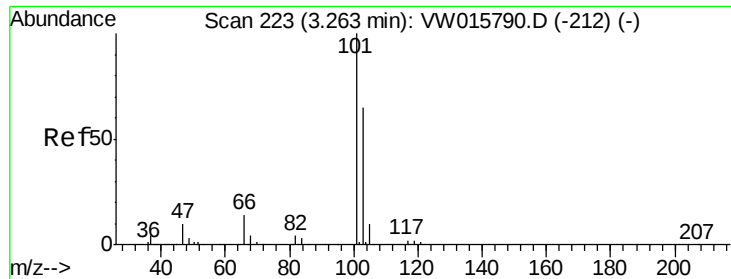
66 32.2 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



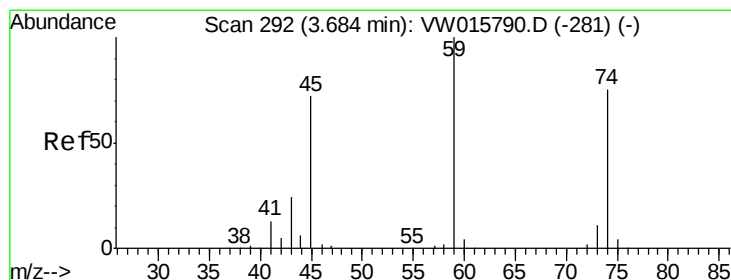
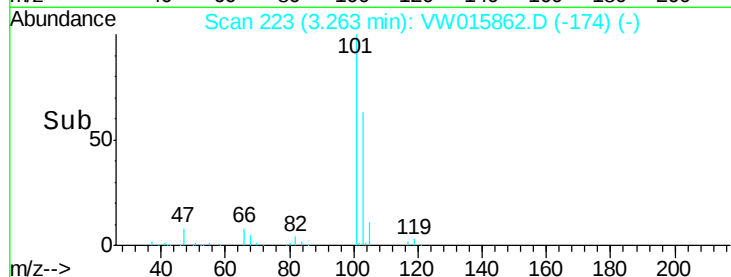
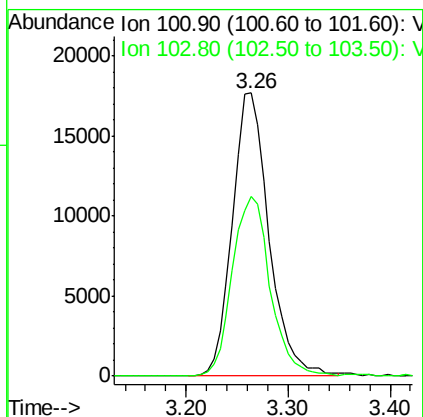
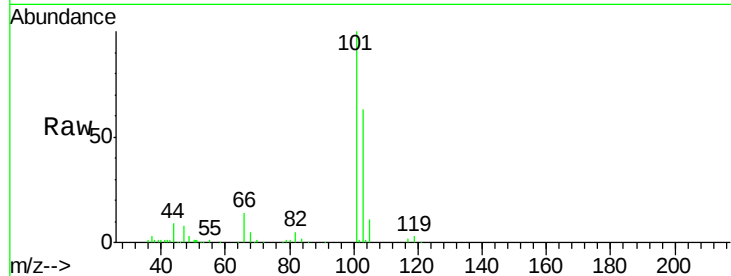


#7

Trichlorofluoromethane  
 Concen: 21.173 ug/l  
 RT: 3.26 min Scan# 223  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

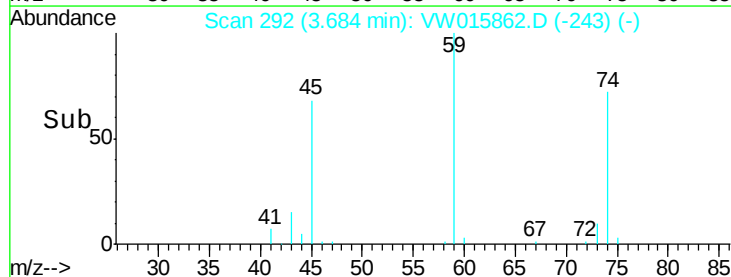
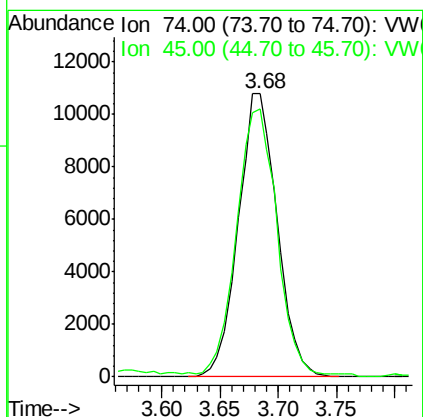
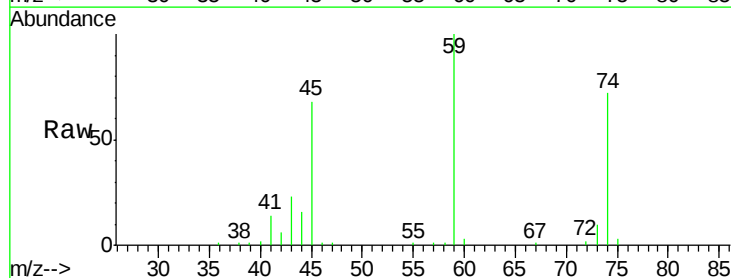
Tot Ion:101 Resp: 44109  
 Ion Ratio Lower Upper  
 101 100  
 103 63.3 52.2 78.4

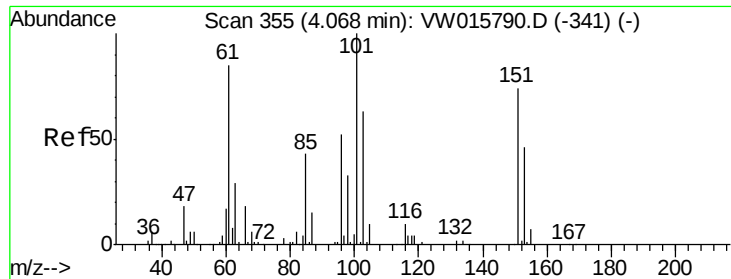


#8

Diethyl Ether  
 Concen: 19.307 ug/l  
 RT: 3.68 min Scan# 292  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Tgt Ion: 74 Resp: 25061  
 Ion Ratio Lower Upper  
 74 100  
 45 99.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.628 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

VW0716SBS01

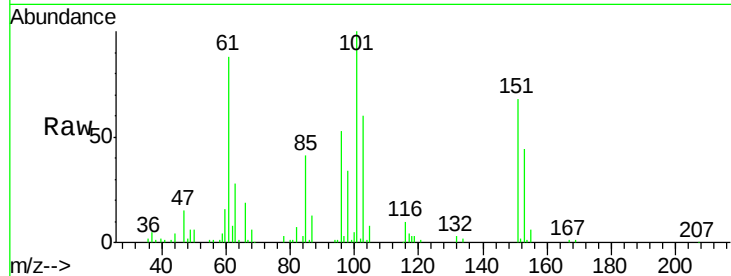
Tot Ion:101 Resp: 50304

Ion Ratio Lower Upper

101 100

85 44.8 36.1 54.1

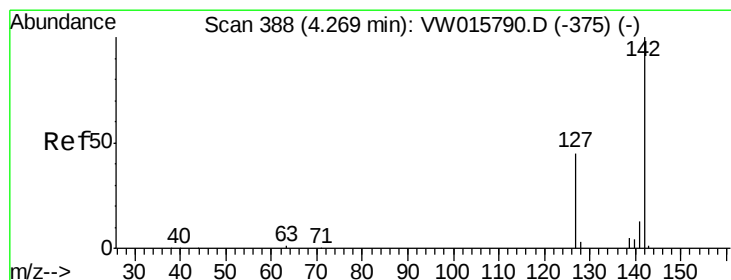
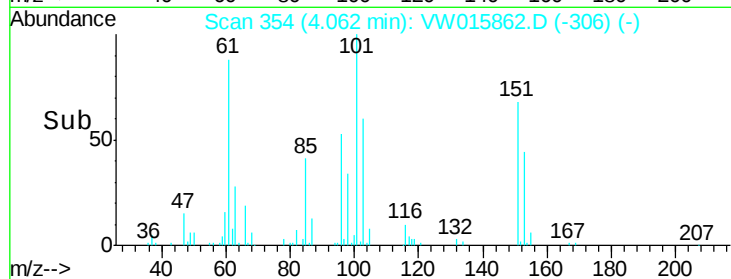
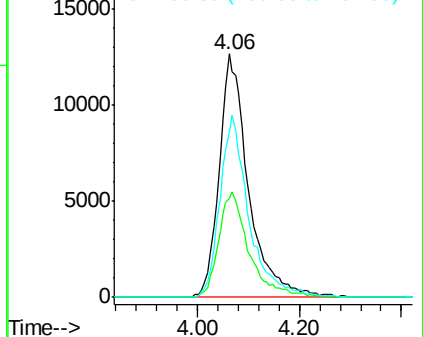
151 74.0 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.946 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

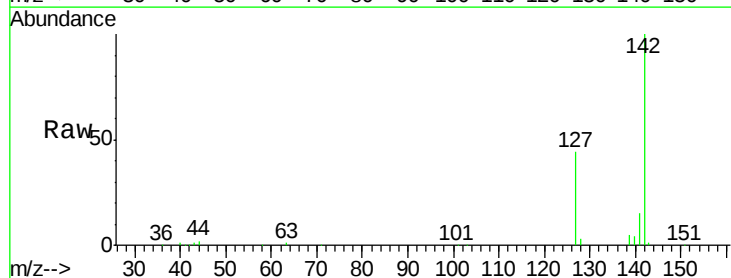
Tgt Ion:142 Resp: 71419

Ion Ratio Lower Upper

142 100

127 44.0 36.1 54.1

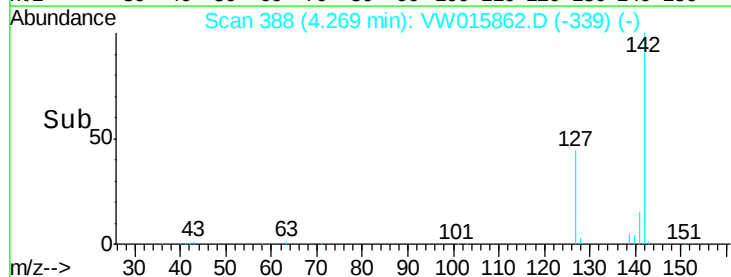
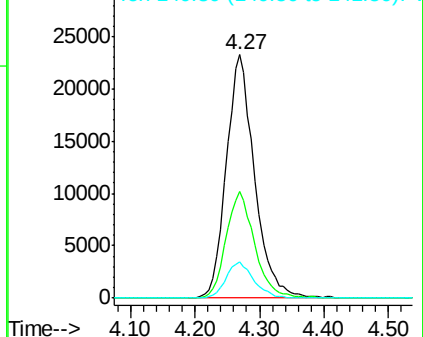
141 14.8 11.7 17.5

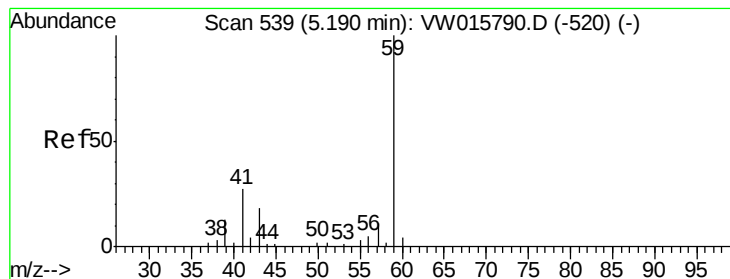


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



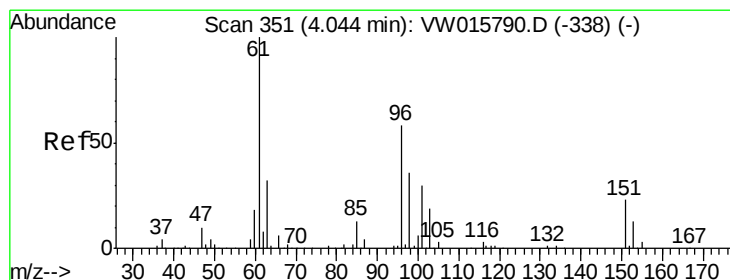
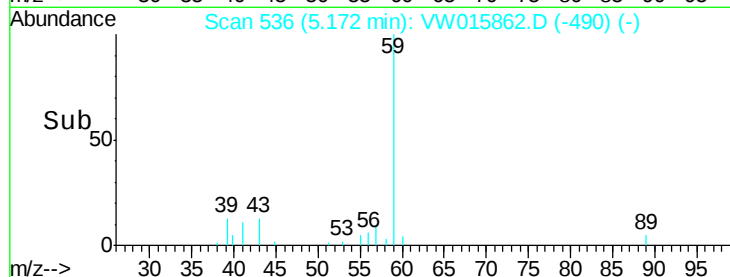
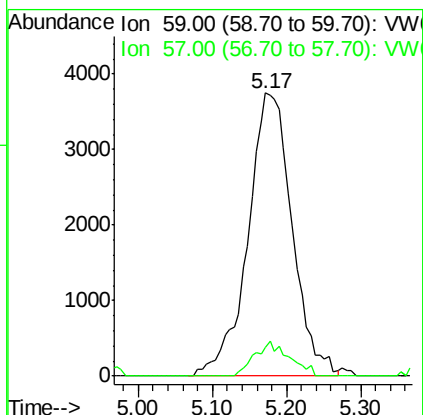
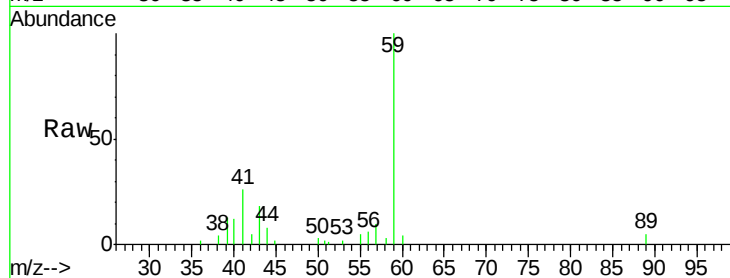


#11

Tert butyl alcohol  
 Concen: 106.818 ug/l  
 RT: 5.17 min Scan# 536  
 Delta R.T. -0.02 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBS01

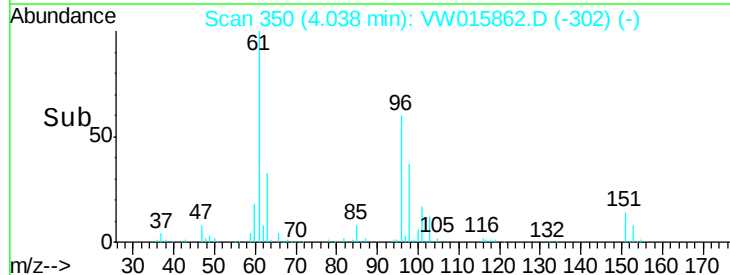
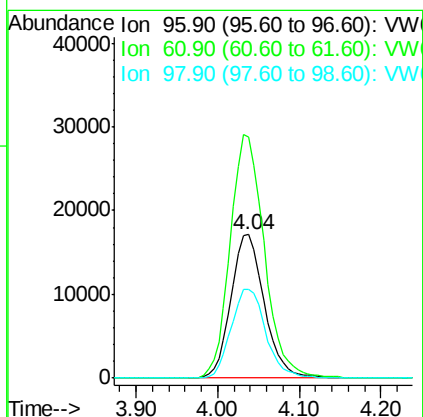
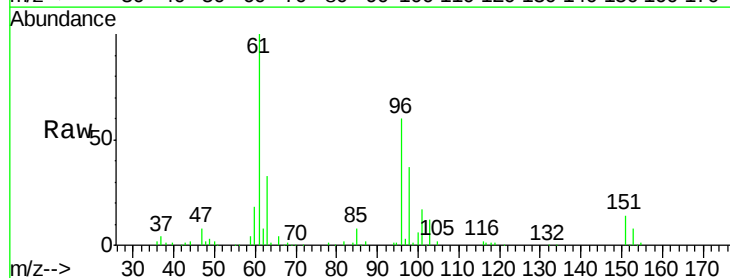
Tot Ion: 59 Resp: 15562  
 Ion Ratio Lower Upper  
 59 100  
 57 9.7 8.7 13.1

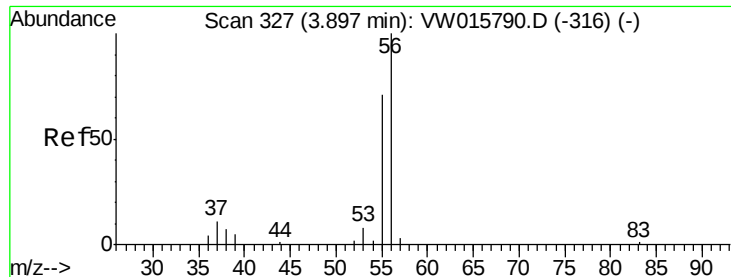


#12

1,1-Dichloroethene  
 Concen: 20.275 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. -0.01 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Tgt Ion: 96 Resp: 48613  
 Ion Ratio Lower Upper  
 96 100  
 61 167.6 137.0 205.4  
 98 61.7 49.3 73.9





#13

Acrolein

Concen: 76.989 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

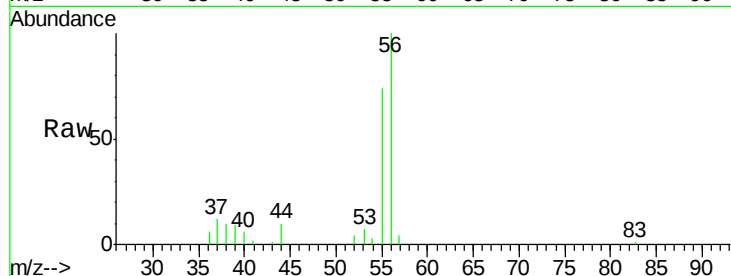
VW0716SBSD01

Tot Ion: 56 Resp: 14436

Ion Ratio Lower Upper

56 100

55 74.7 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

6000

5000

4000

3000

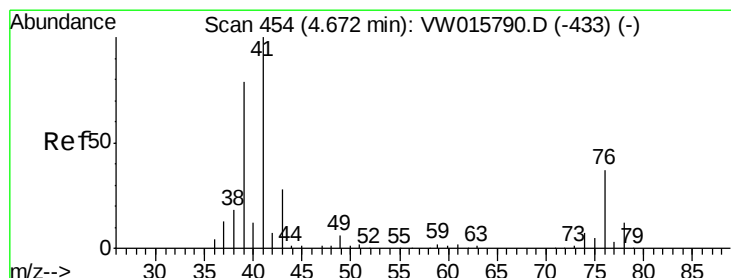
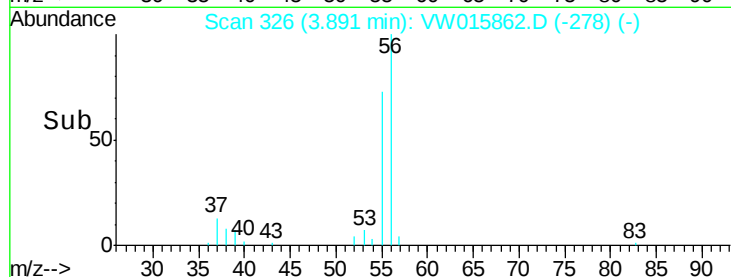
2000

1000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 19.812 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

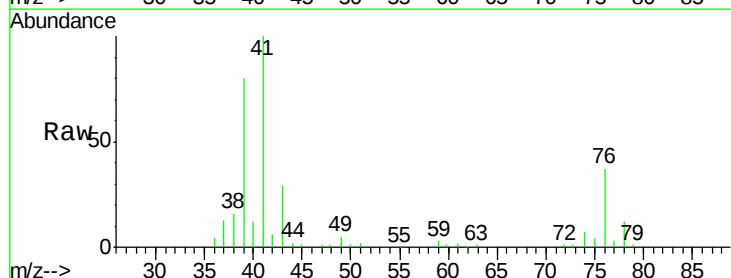
Tgt Ion: 41 Resp: 77207

Ion Ratio Lower Upper

41 100

39 76.8 64.0 96.0

76 35.0 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.67

30000

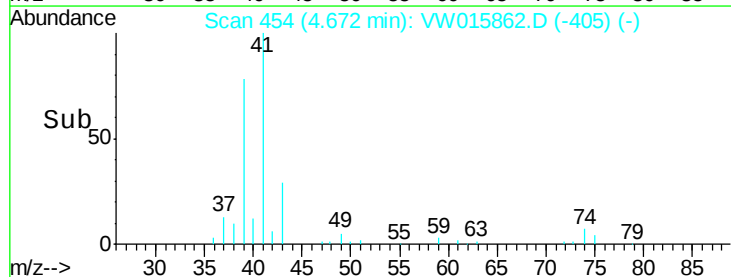
20000

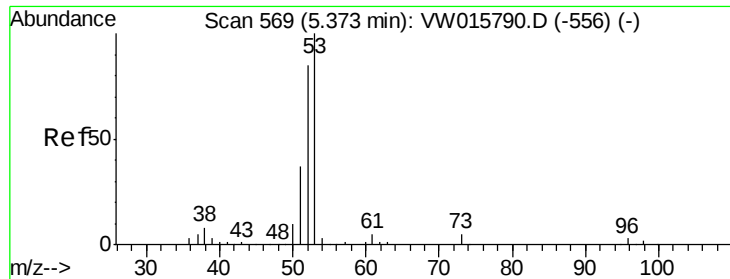
10000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 99.274 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

VW0716SBS01

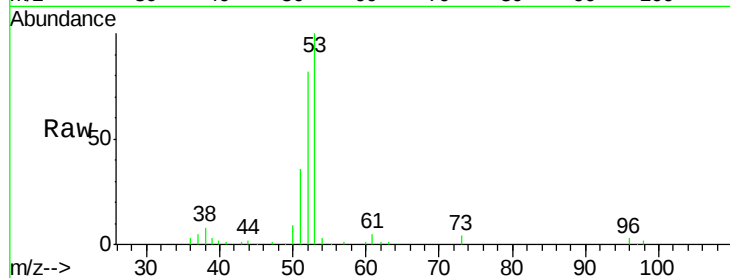
Tot Ion: 53 Resp: 50382

Ion Ratio Lower Upper

53 100

52 83.2 65.8 98.8

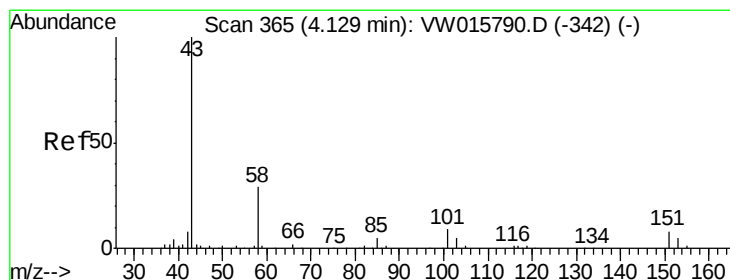
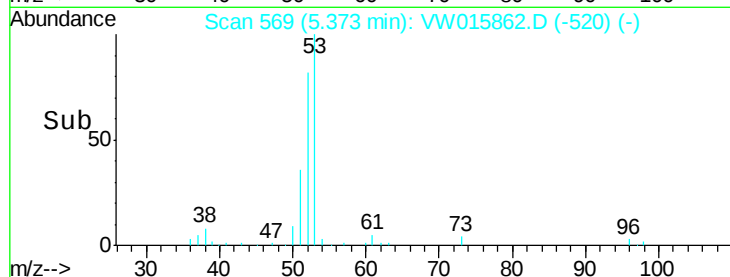
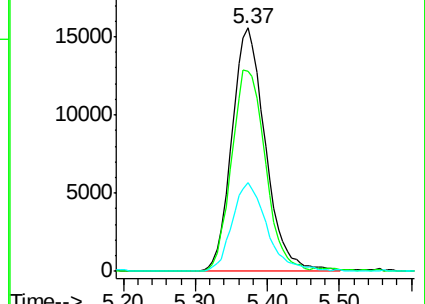
51 37.9 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 97.655 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015862.D

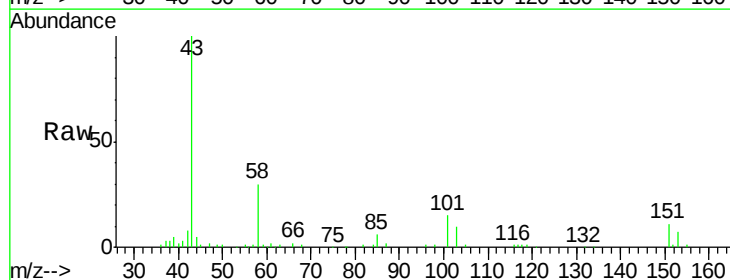
Acq: 16 Jul 2020 15:07

Tgt Ion: 43 Resp: 49389

Ion Ratio Lower Upper

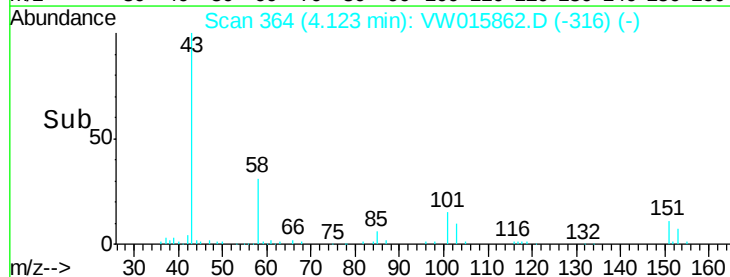
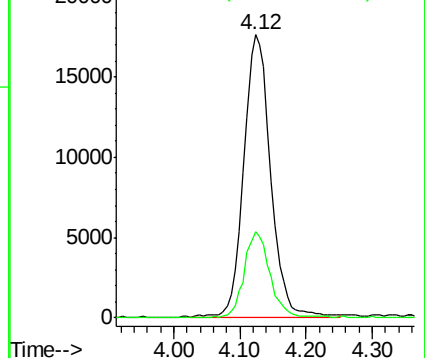
43 100

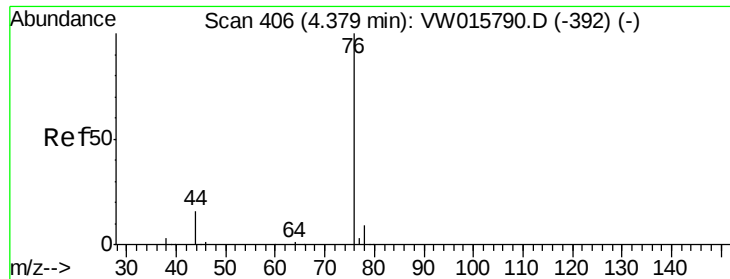
58 30.4 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

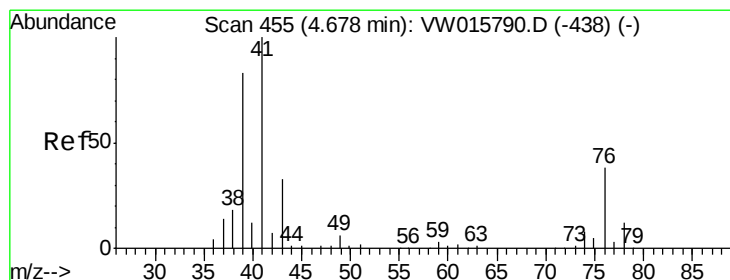
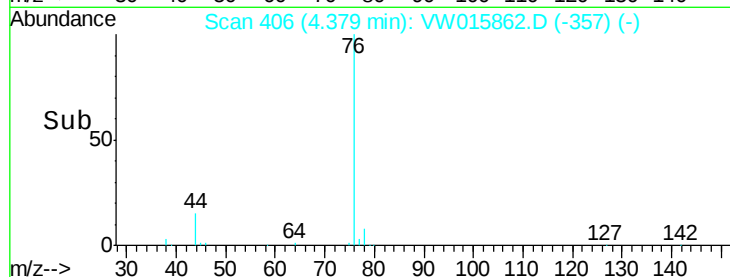
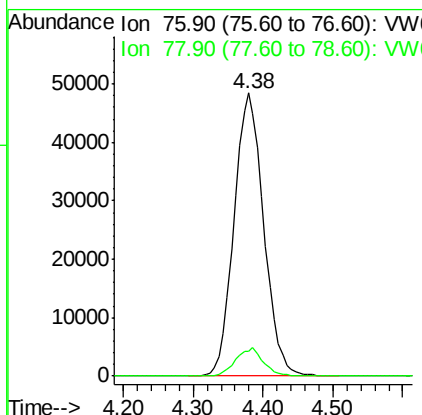
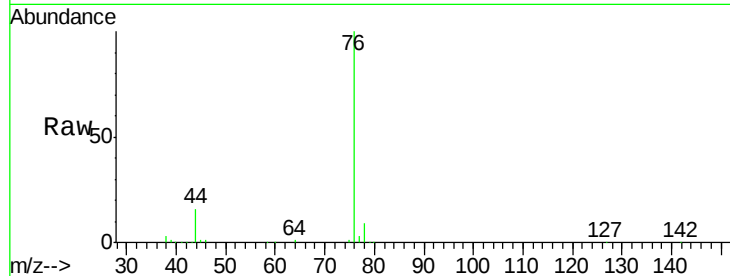




#17  
Carbon Disulfide  
Concen: 19.998 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

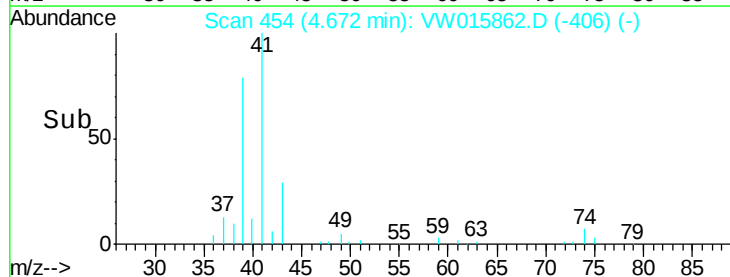
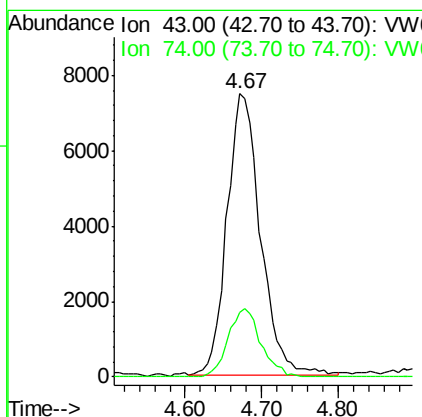
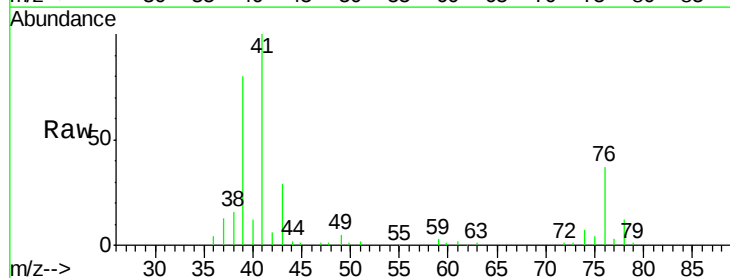
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

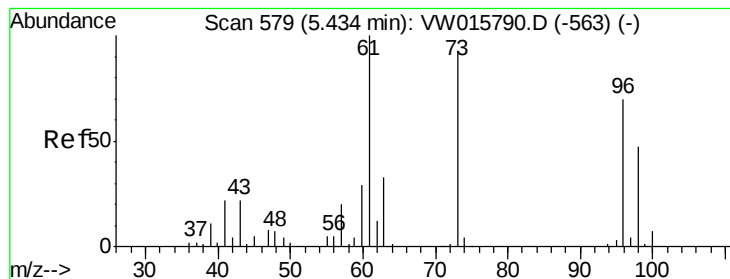
Tot Ion: 76 Resp: 142636  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.0



#18  
Methyl Acetate  
Concen: 19.606 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. -0.01 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 43 Resp: 22566  
Ion Ratio Lower Upper  
43 100  
74 23.8 19.2 28.8



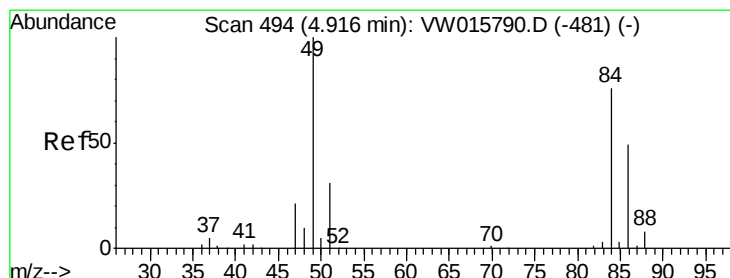
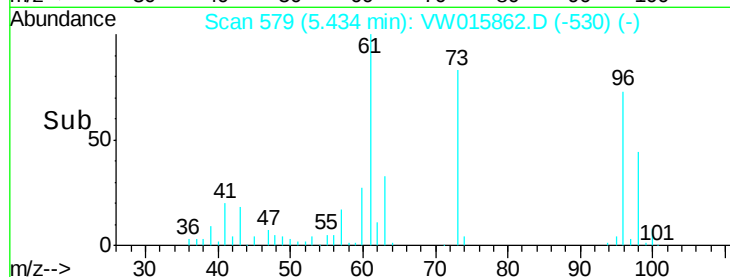
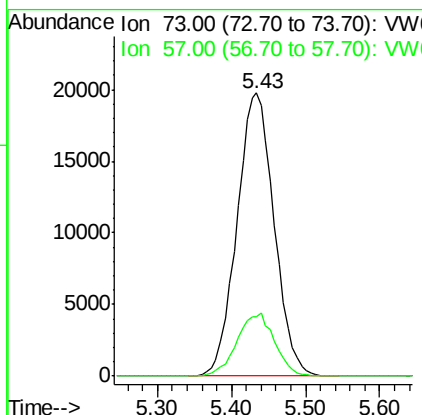
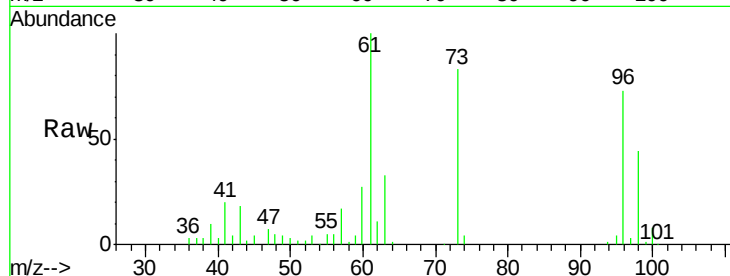


#19

Methyl tert-butyl Ether  
 Concen: 19.213 ug/l  
 RT: 5.43 min Scan# 579  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

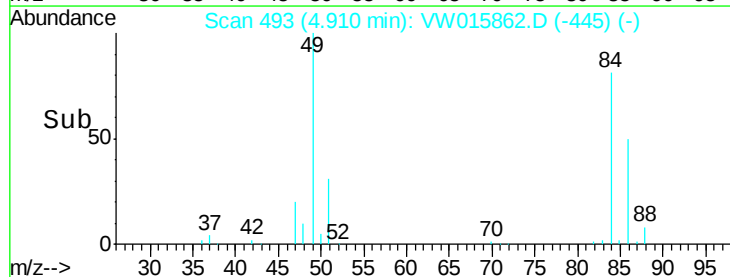
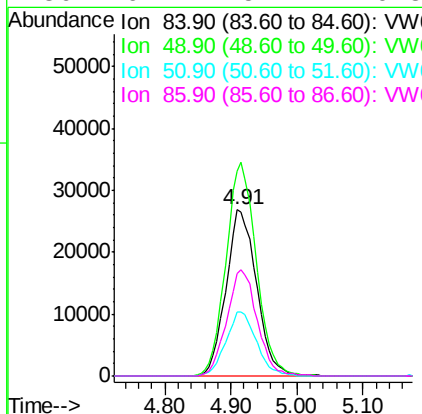
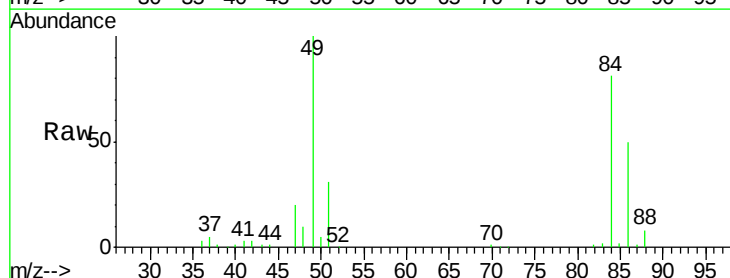
Tot Ion: 73 Resp: 68946  
 Ion Ratio Lower Upper  
 73 100  
 57 21.1 16.8 25.2

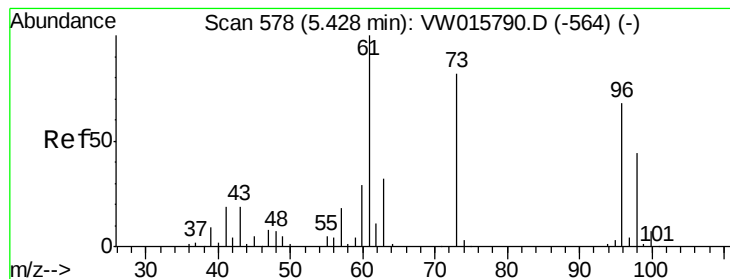


#20

Methylene Chloride  
 Concen: 31.489 ug/l  
 RT: 4.91 min Scan# 493  
 Delta R.T. -0.01 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Tgt Ion: 84 Resp: 86192  
 Ion Ratio Lower Upper  
 84 100  
 49 123.0 105.0 157.6  
 51 38.4 32.3 48.5  
 86 61.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.437 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

VW0716SBSD01

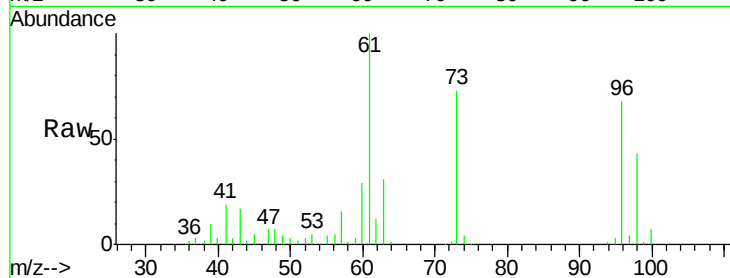
Tot Ion: 96 Resp: 53978

Ion Ratio Lower Upper

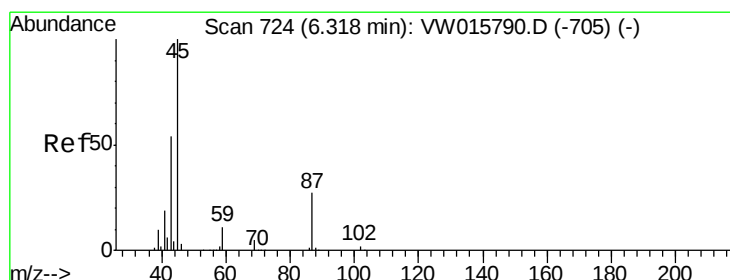
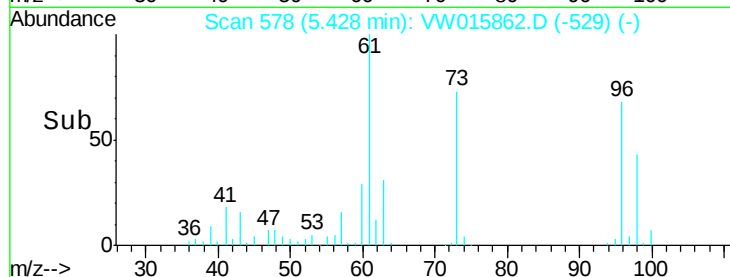
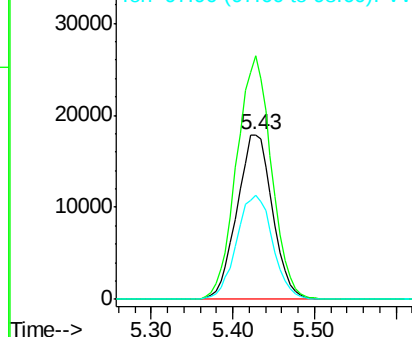
96 100

61 147.9 118.1 177.1

98 62.9 52.6 78.8



Abundance Ion 95.90 (95.60 to 96.60): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.632 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Tgt Ion: 45 Resp: 154177

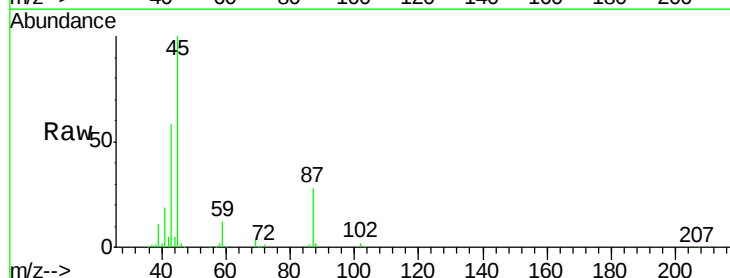
Ion Ratio Lower Upper

45 100

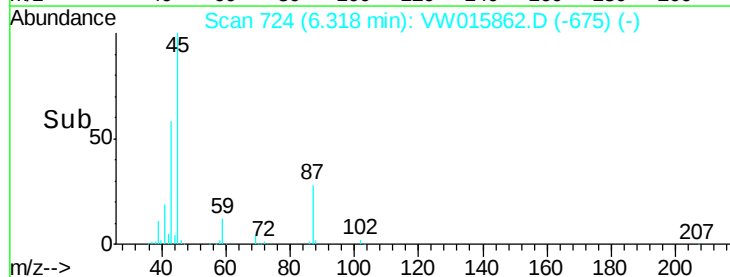
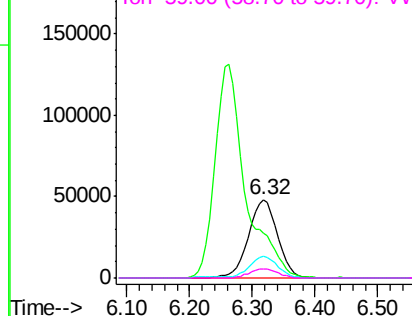
43 56.8 43.8 65.6

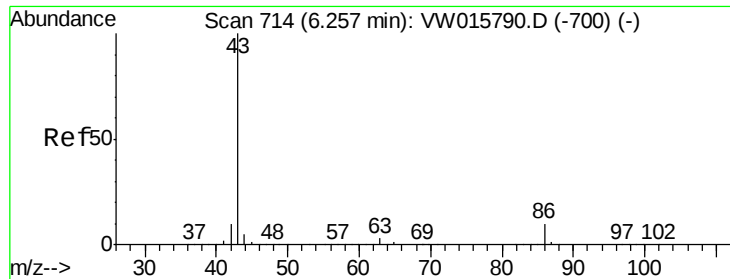
87 27.8 22.1 33.1

59 11.5 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 87.00 (86.70 to 87.70): VW  
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 94.609 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

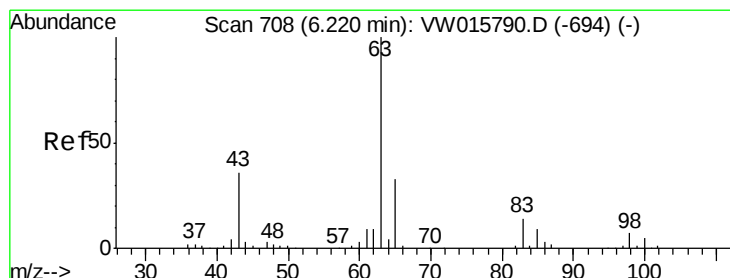
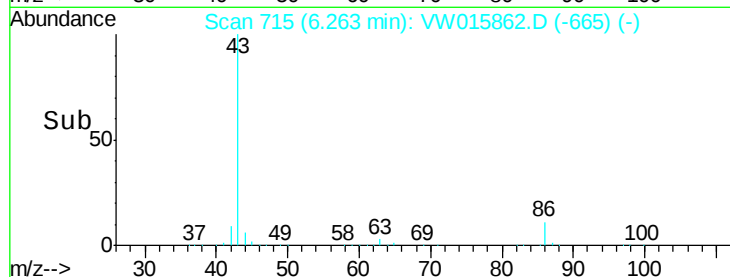
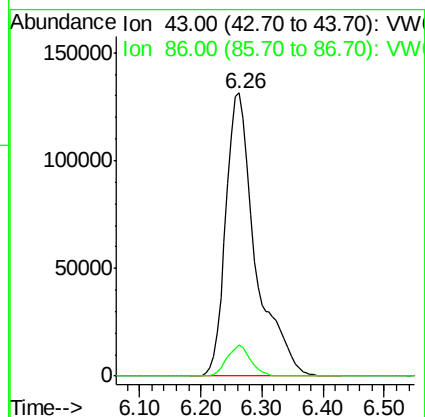
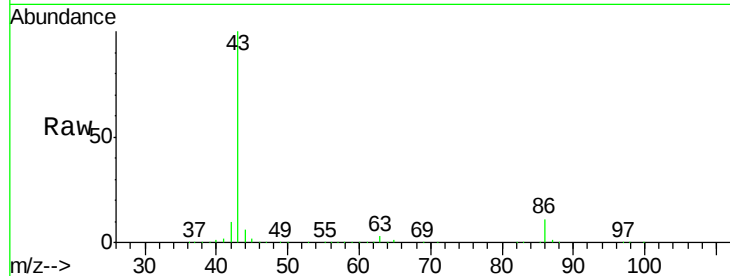
VW0716SBSD01

Tot Ion: 43 Resp: 441918

Ion Ratio Lower Upper

43 100

86 10.8 8.2 12.4



#24

1,1-Dichloroethane

Concen: 19.563 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

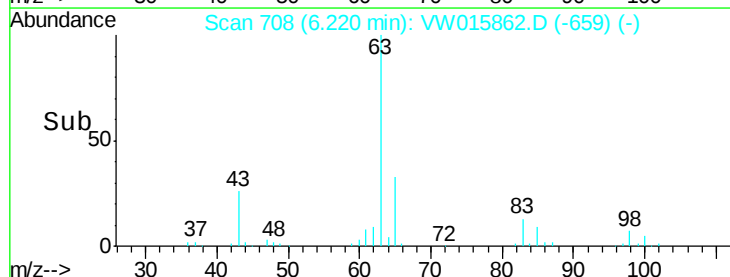
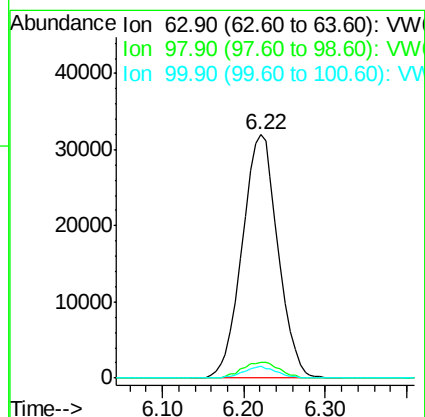
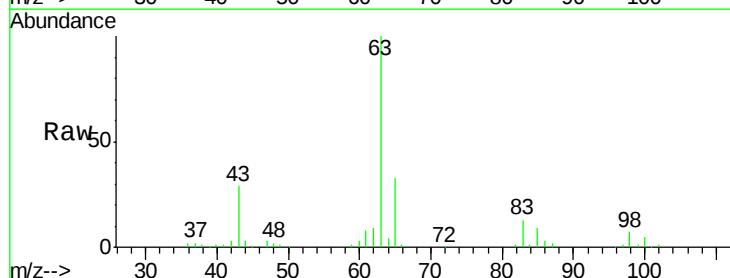
Tgt Ion: 63 Resp: 97268

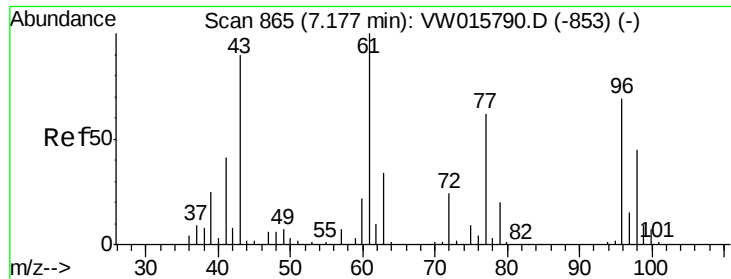
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 97.806 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampled :

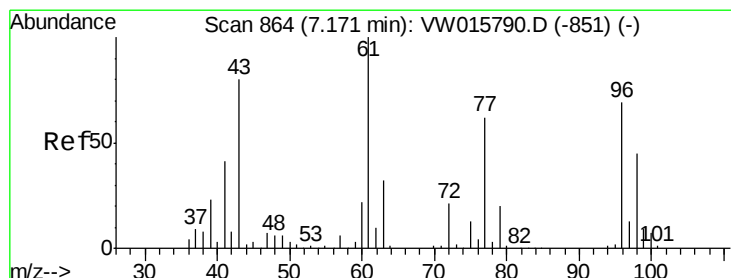
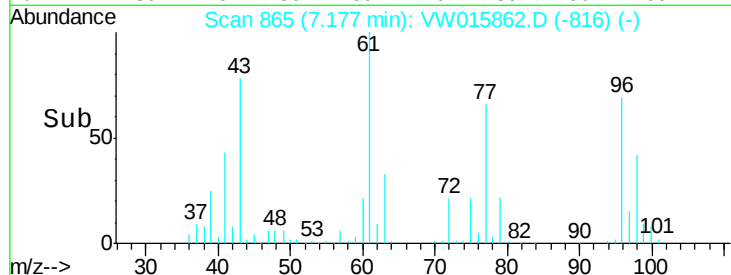
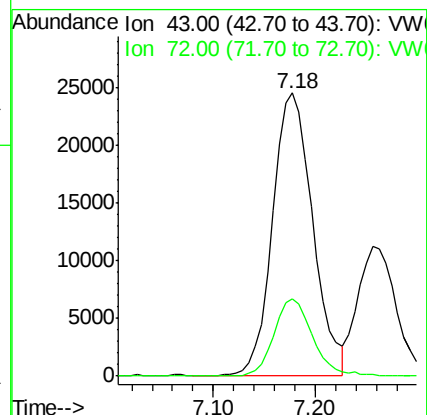
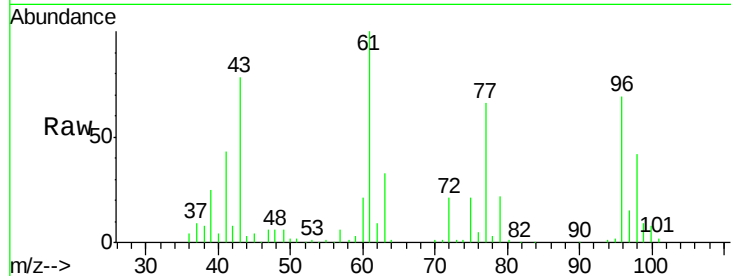
VW0716SBSD01

Tot Ion: 43 Resp: 67144

Ion Ratio Lower Upper

43 100

72 27.1 21.3 31.9



#26

2,2-Dichloropropane

Concen: 20.867 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015862.D

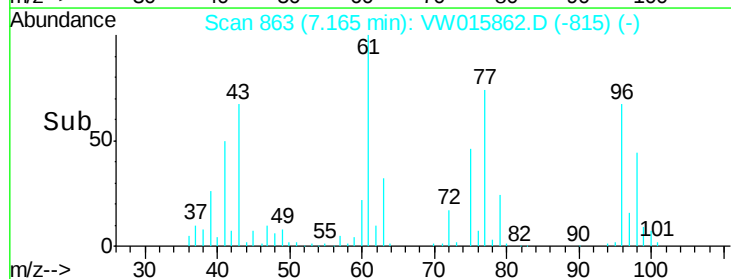
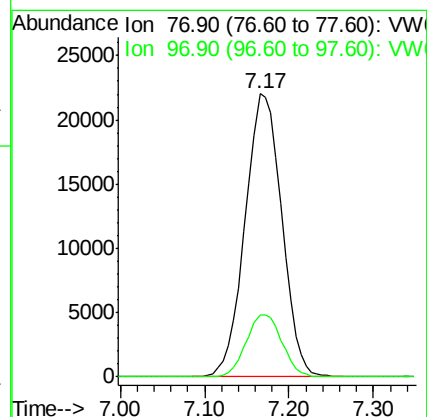
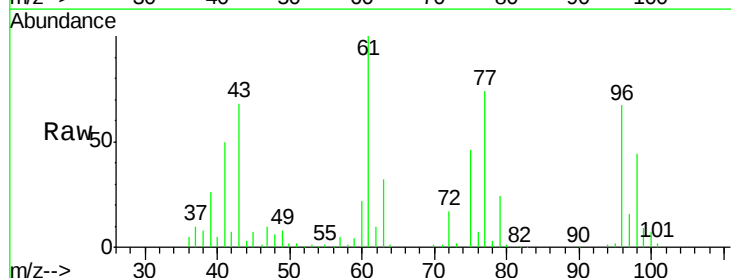
Acq: 16 Jul 2020 15:07

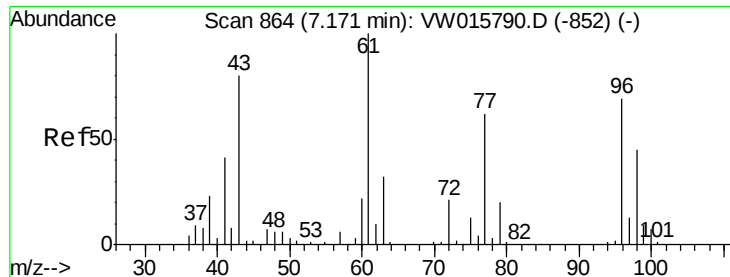
Tgt Ion: 77 Resp: 65090

Ion Ratio Lower Upper

77 100

97 21.4 11.0 33.0



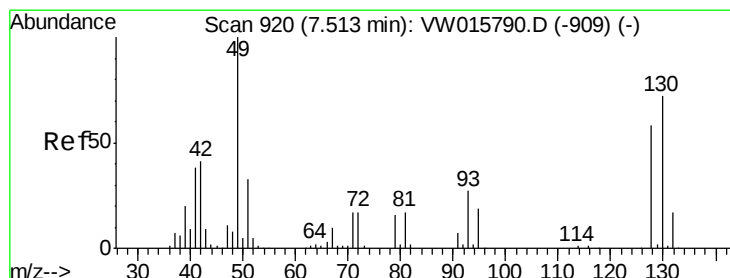
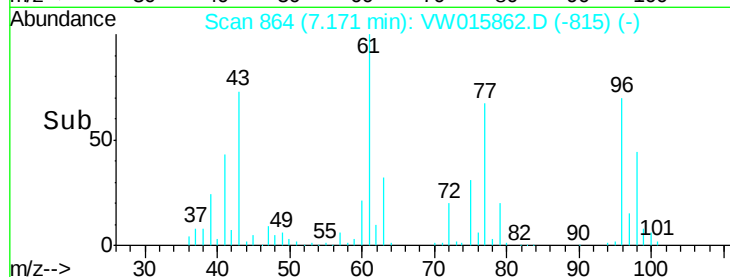
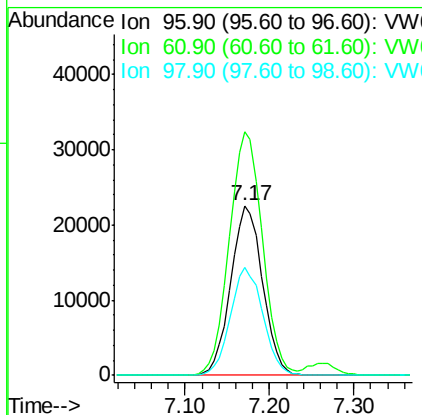
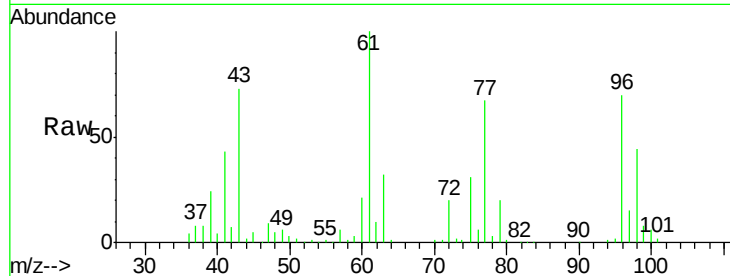


#27

cis-1,2-Dichloroethene  
Concen: 19.348 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

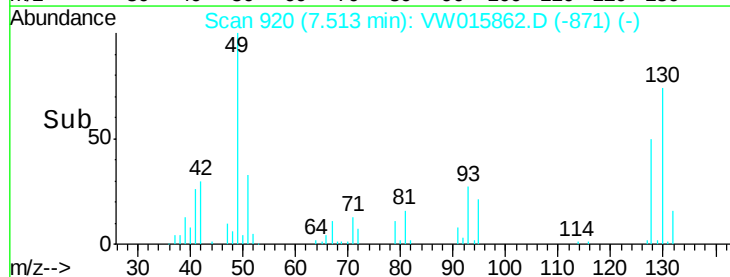
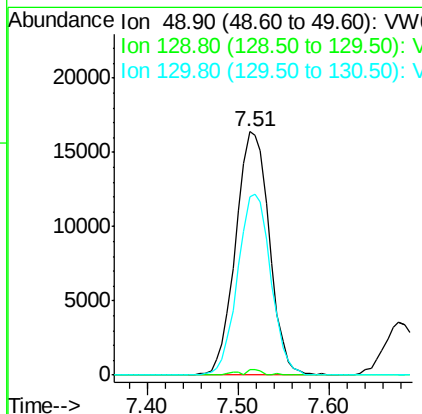
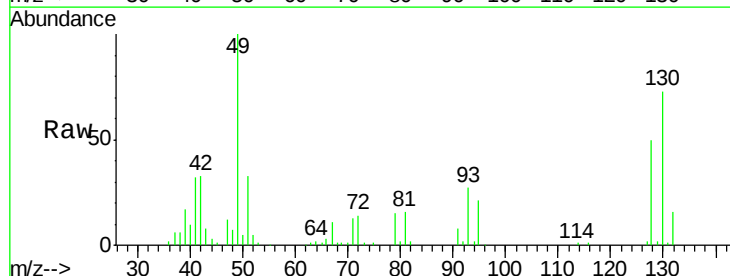
Tot Ion: 96 Resp: 57696  
Ion Ratio Lower Upper  
96 100  
61 149.6 0.0 292.2  
98 64.7 0.0 129.0



#28

Bromochloromethane  
Concen: 21.414 ug/l  
RT: 7.51 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 49 Resp: 42210  
Ion Ratio Lower Upper  
49 100  
129 1.3 0.0 2.6  
130 73.3 59.5 89.3

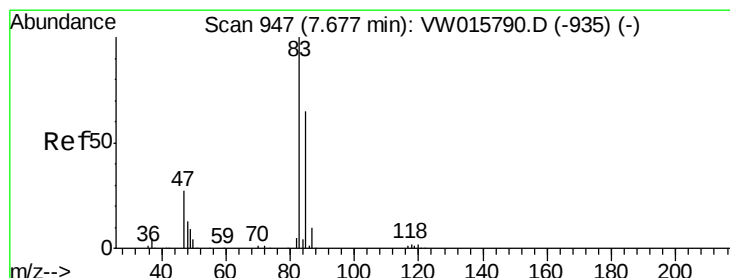
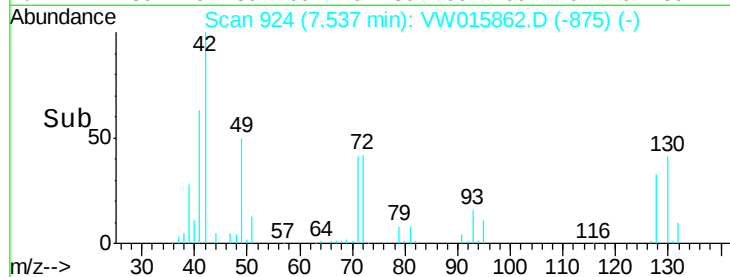
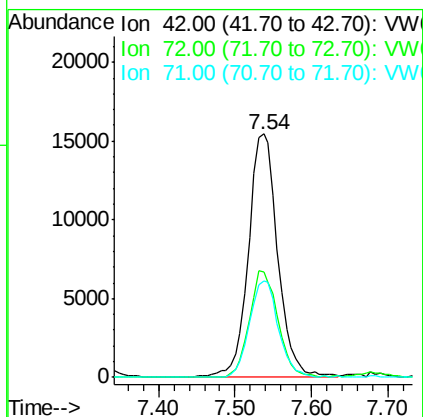
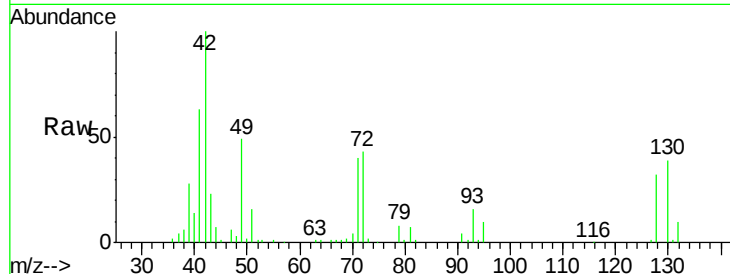




#29  
Tetrahydrofuran  
Concen: 99.289 ug/l  
RT: 7.54 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

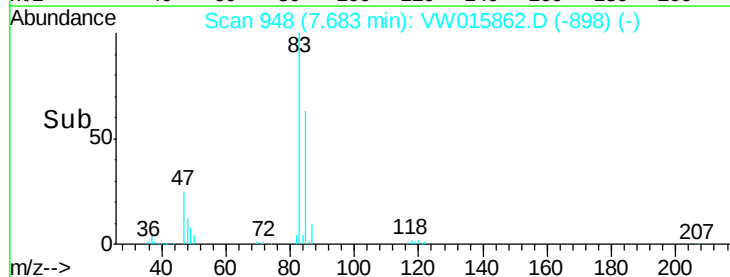
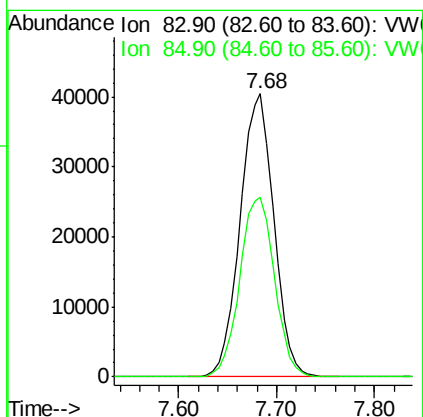
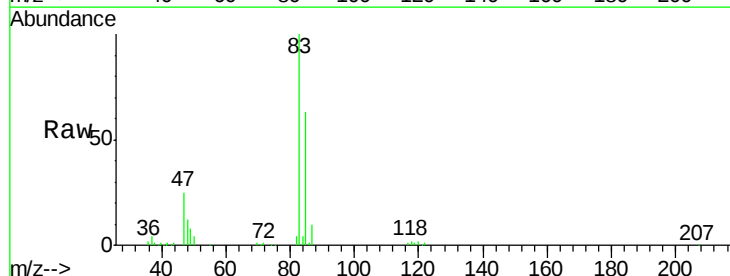
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

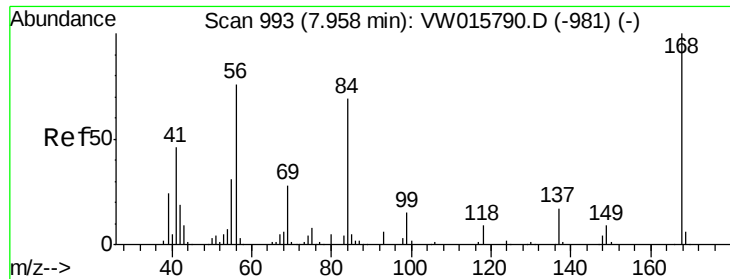
Tot Ion: 42 Resp: 41363  
Ion Ratio Lower Upper  
42 100  
72 42.5 34.6 51.8  
71 39.3 32.8 49.2



#30  
Chloroform  
Concen: 19.082 ug/l  
RT: 7.68 min Scan# 948  
Delta R.T. 0.01 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 83 Resp: 96985  
Ion Ratio Lower Upper  
83 100  
85 63.5 51.6 77.4

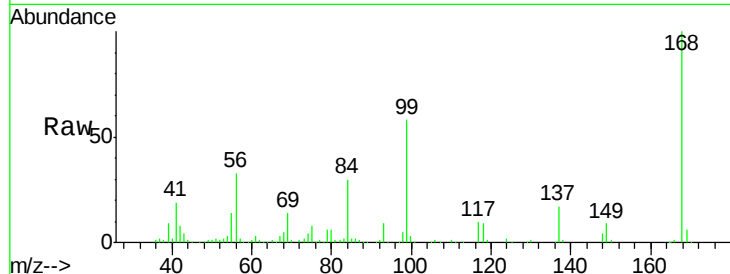




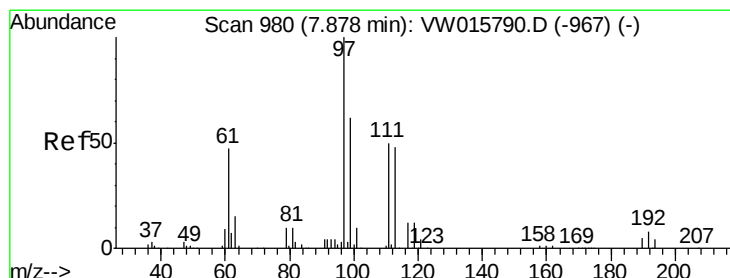
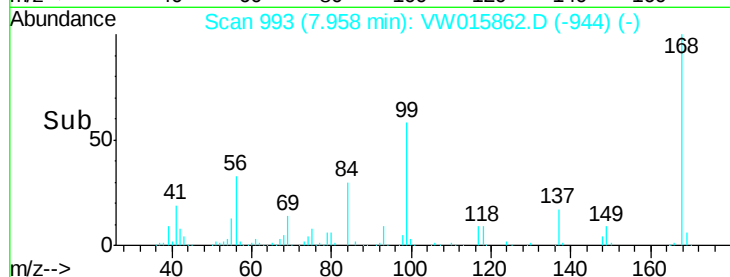
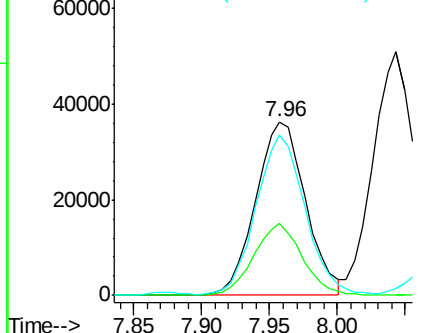
#31  
Cyclohexane  
Concen: 19.898 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

Tot Ion: 56 Resp: 93111  
Ion Ratio Lower Upper  
56 100  
69 41.4 28.9 43.3  
84 91.3 72.2 108.4

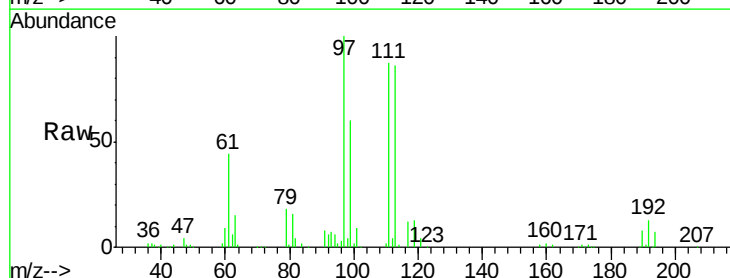


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

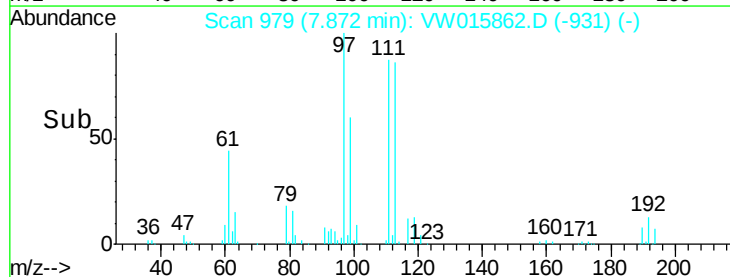
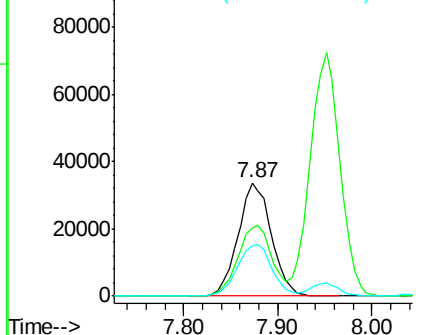


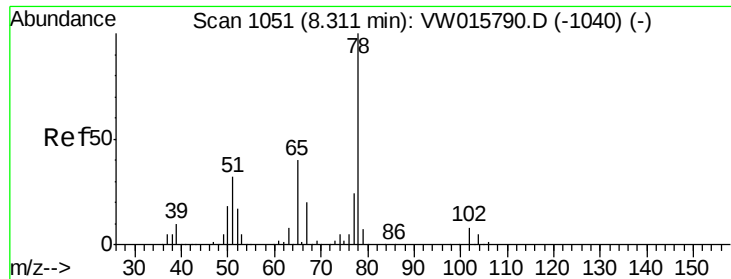
#32  
1,1,1-Trichloroethane  
Concen: 19.485 ug/l  
RT: 7.87 min Scan# 979  
Delta R.T. -0.01 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 97 Resp: 83045  
Ion Ratio Lower Upper  
97 100  
99 63.4 51.0 76.4  
61 47.5 38.6 57.8



Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 98.90 (98.60 to 99.60): VW  
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 46.241 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

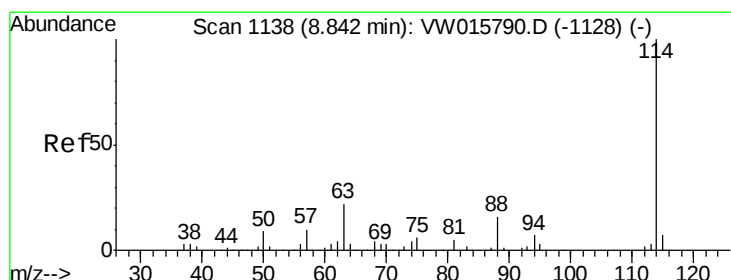
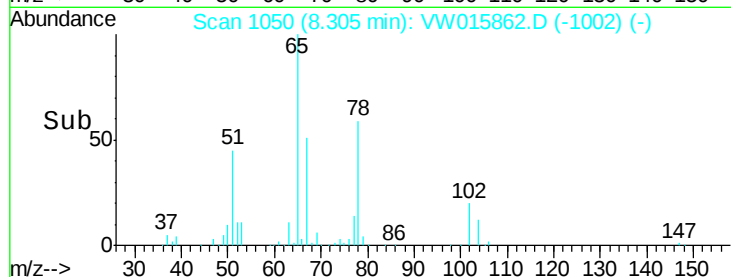
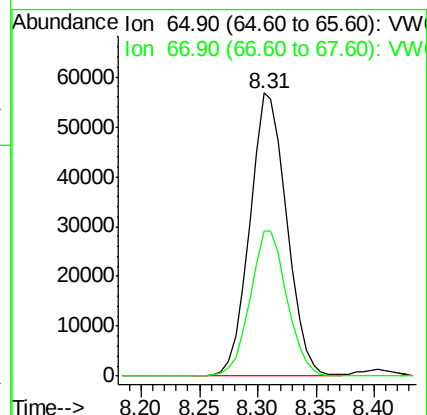
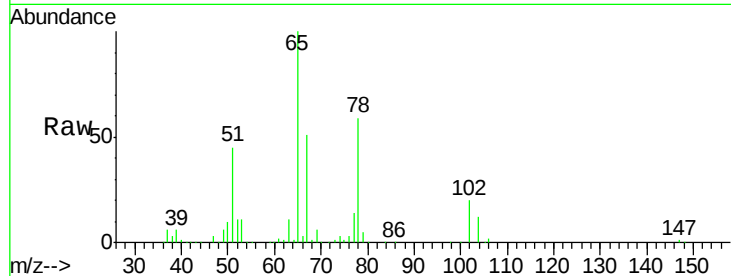
VW0716SBSD01

Tot Ion: 65 Resp: 124989

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

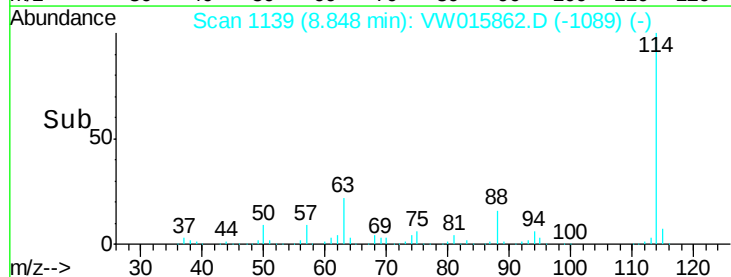
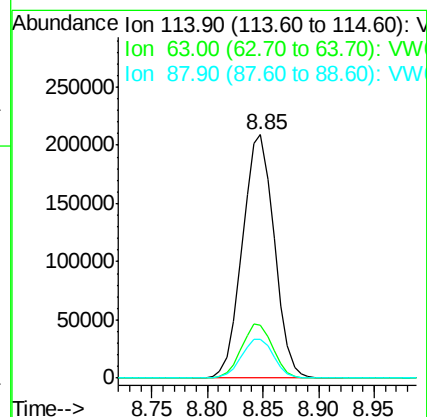
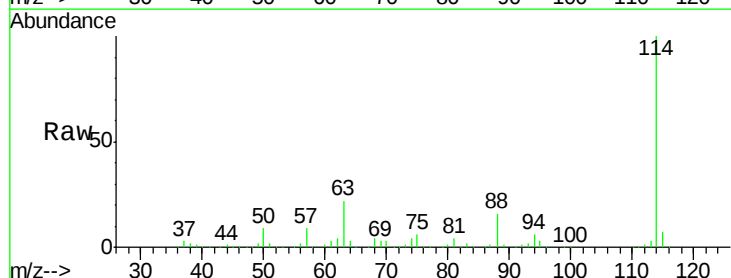
Tgt Ion: 114 Resp: 415596

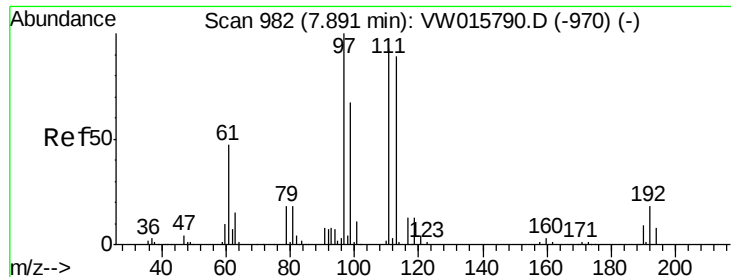
Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.4

88 15.9 0.0 32.6

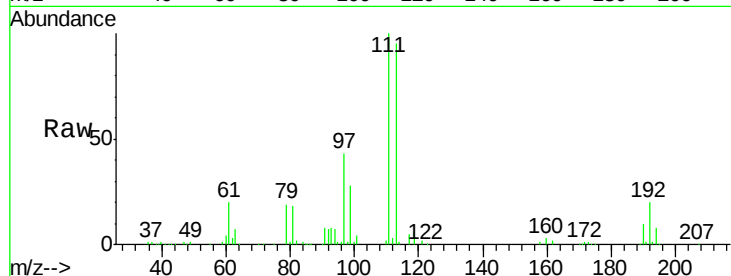




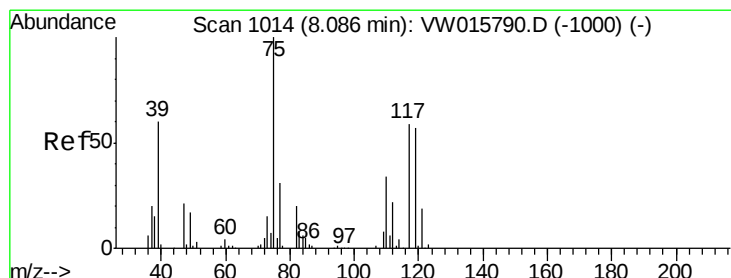
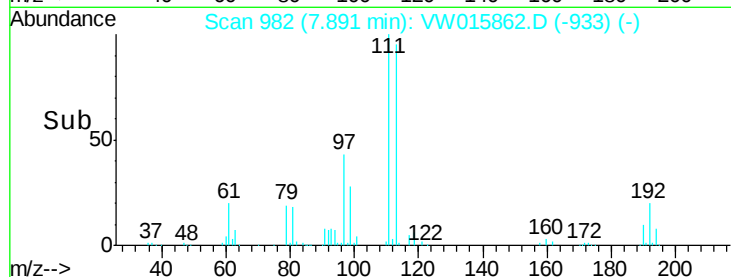
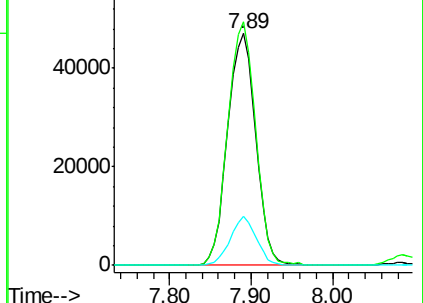
#35  
 Dibromofluoromethane  
 Concen: 46.240 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.7 | 82.8  | 124.2 |
| 192     | 19.4  | 15.4  | 23.2  |

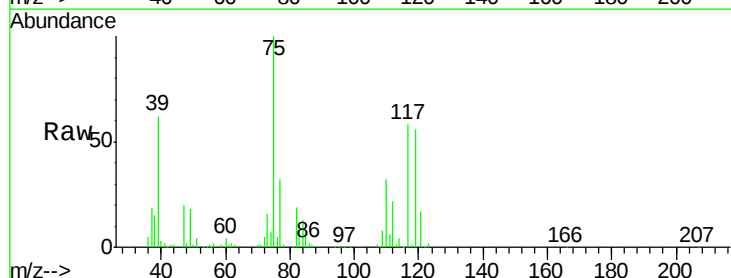


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

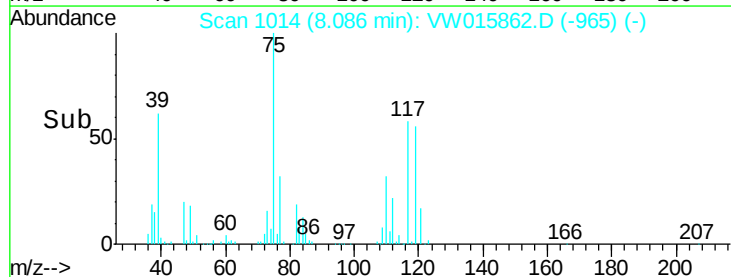
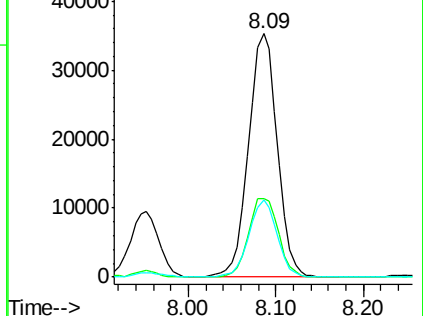


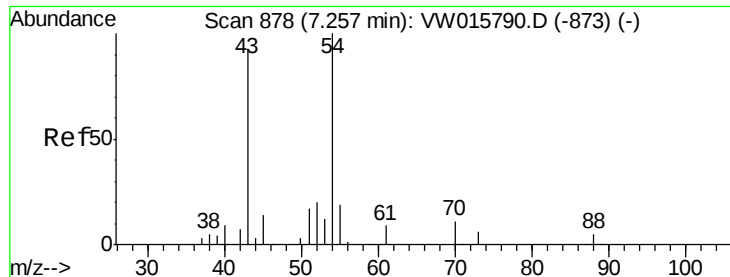
#36  
 1,1-Dichloropropene  
 Concen: 19.590 ug/l  
 RT: 8.09 min Scan# 1014  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.7  | 16.8  | 50.3  |
| 77      | 31.3  | 24.7  | 37.1  |



Abundance Ion 74.90 (74.60 to 75.60): VW  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VW

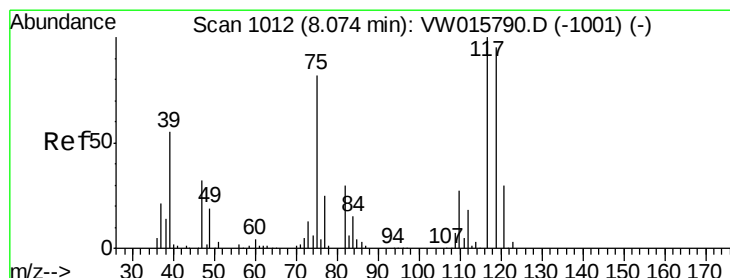
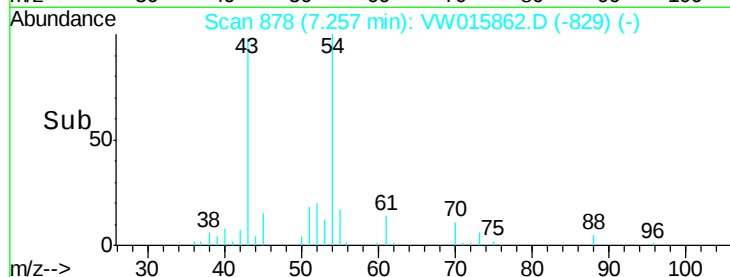
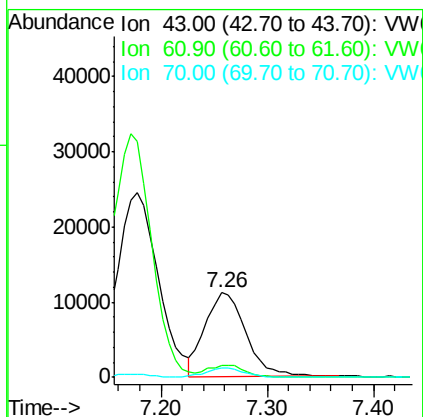
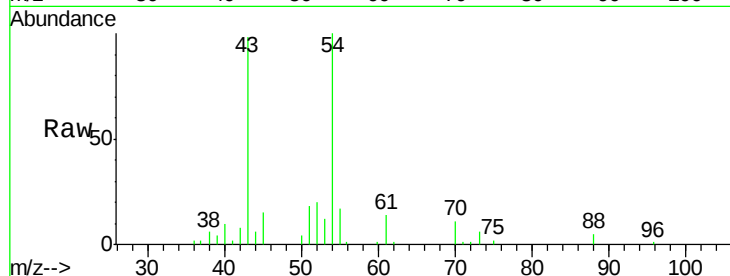




#37  
Ethyl Acetate  
Concen: 18.656 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

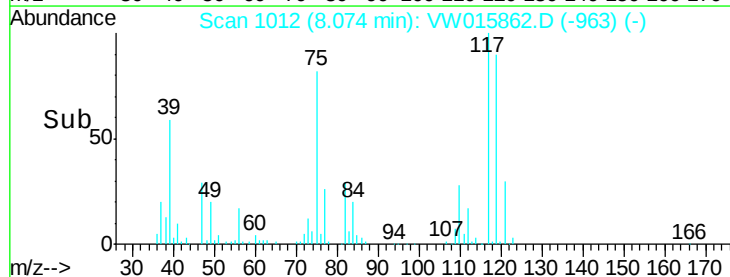
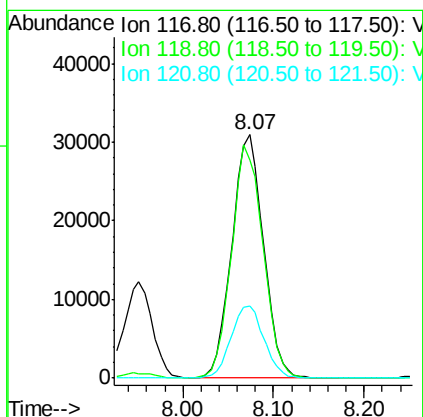
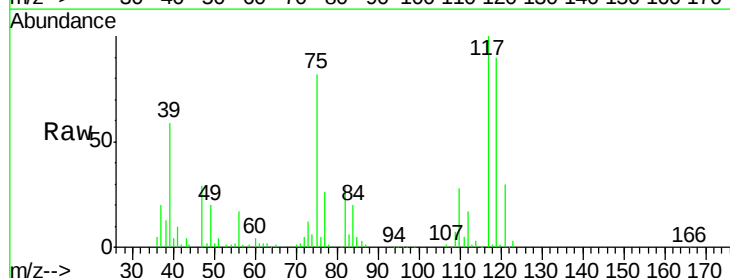
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBS01

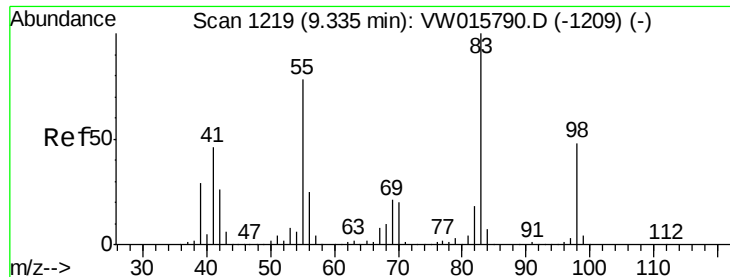
Tot Ion: 43 Resp: 29697  
Ion Ratio Lower Upper  
43 100  
61 13.4 10.4 15.6  
70 10.8 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 18.903 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 117 Resp: 74934  
Ion Ratio Lower Upper  
117 100  
119 89.5 76.3 114.5  
121 29.8 24.0 36.0

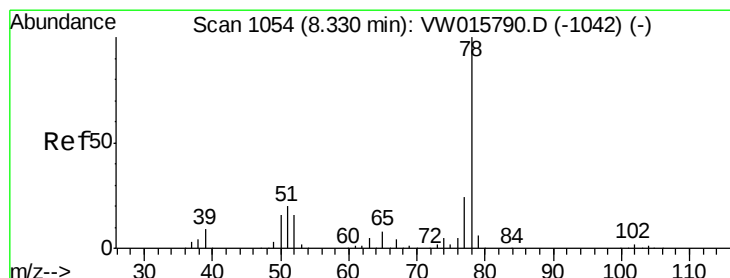
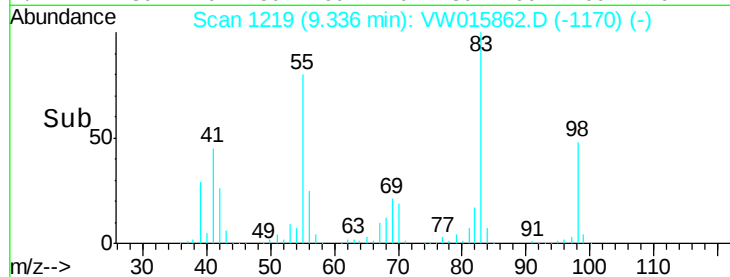
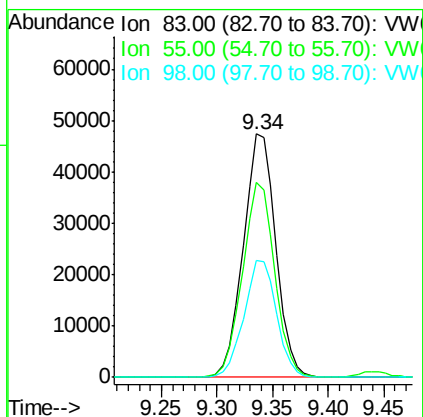
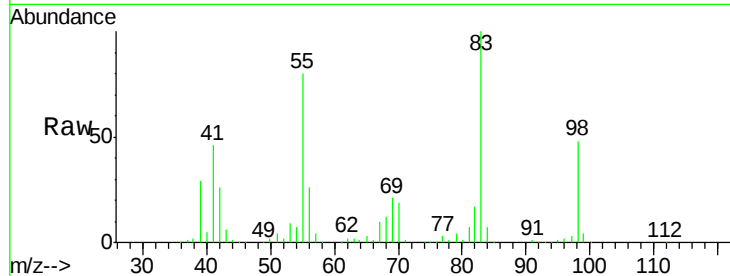




#39  
Methvlcvclohexane  
Concen: 19.866 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

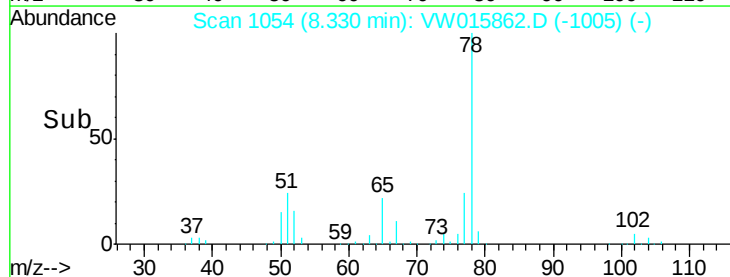
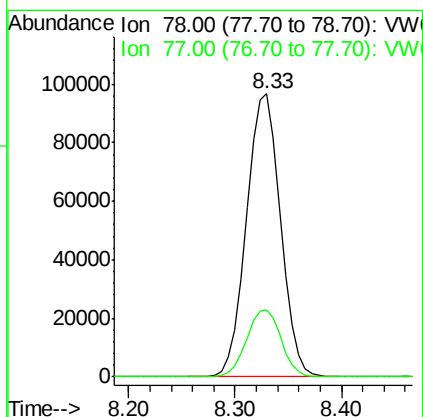
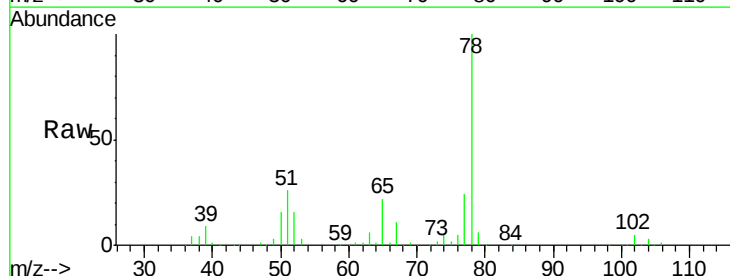
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

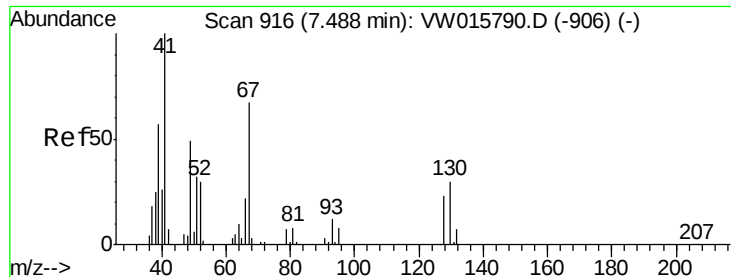
Tot Ion: 83 Resp: 96038  
Ion Ratio Lower Upper  
83 100  
55 80.1 62.6 94.0  
98 48.1 38.6 58.0



#40  
Benzene  
Concen: 19.391 ug/l  
RT: 8.33 min Scan# 1054  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 78 Resp: 217611  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.0 28.6

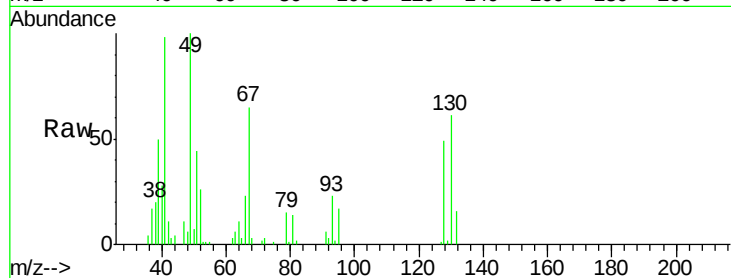




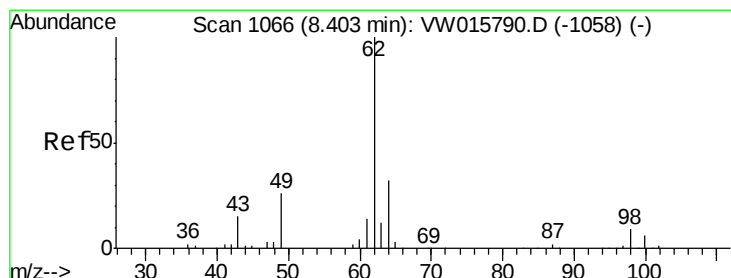
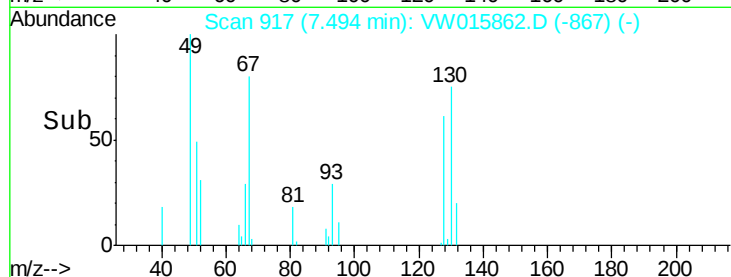
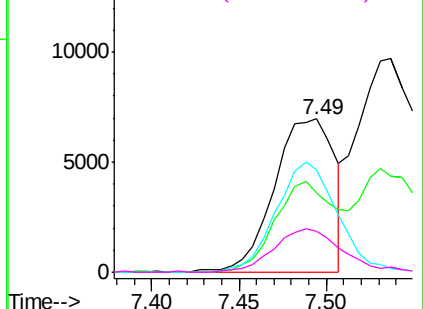
#41  
Methacrylonitrile  
Concen: 18.545 ug/l  
RT: 7.49 min Scan# 917  
Delta R.T. 0.01 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 16760 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 62.1  | 44.6  | 66.8  |
| 67       | 73.5  | 56.4  | 84.6  |
| 52       | 32.3  | 25.4  | 38.2  |

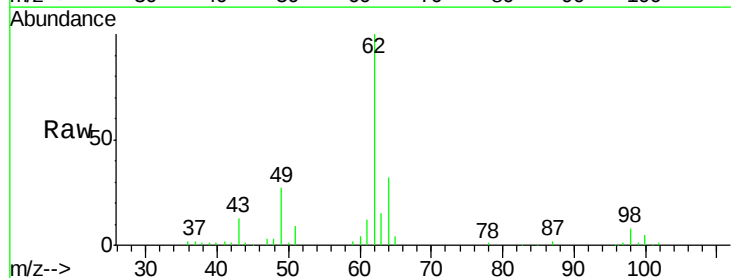


Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 39.00 (38.70 to 39.70): VW  
Ion 67.00 (66.70 to 67.70): VW  
Ion 52.00 (51.70 to 52.70): VW

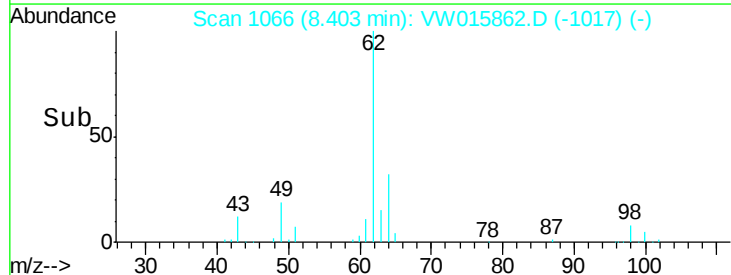
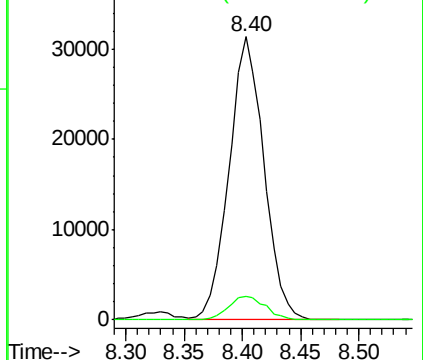


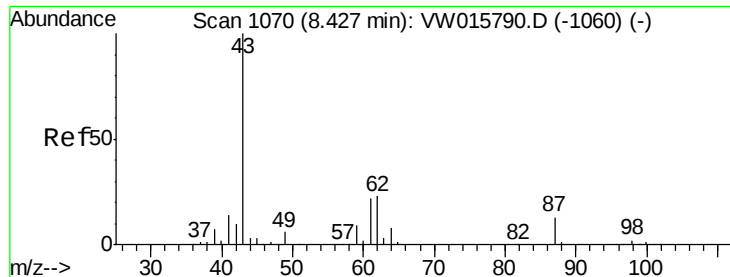
#42  
1,2-Dichloroethane  
Concen: 18.791 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 65631 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.8   | 0.0   | 17.2  |



Abundance Ion 61.90 (61.60 to 62.60): VW  
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.276 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampled :

VW0716SBSD01

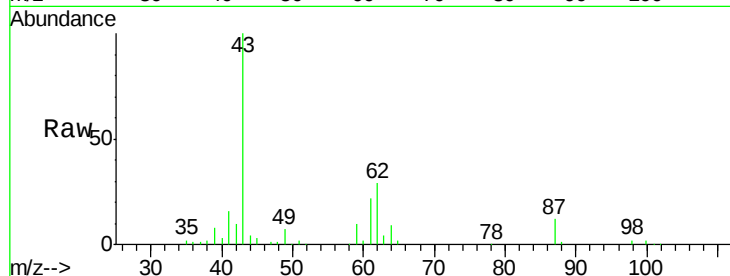
Tot Ion: 43 Resp: 56788

Ion Ratio Lower Upper

43 100

61 31.7 24.8 37.2

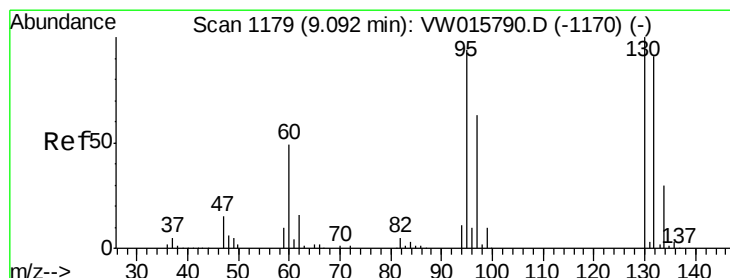
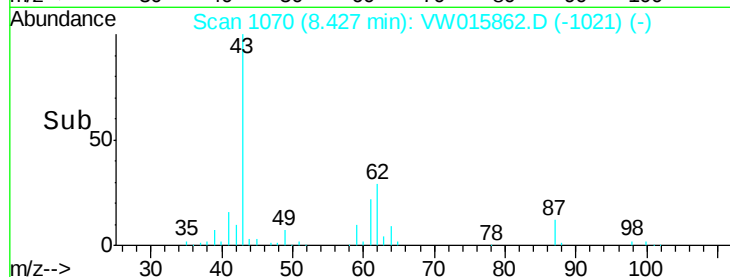
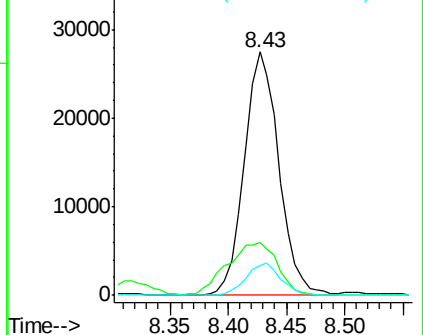
87 13.3 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.044 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015862.D

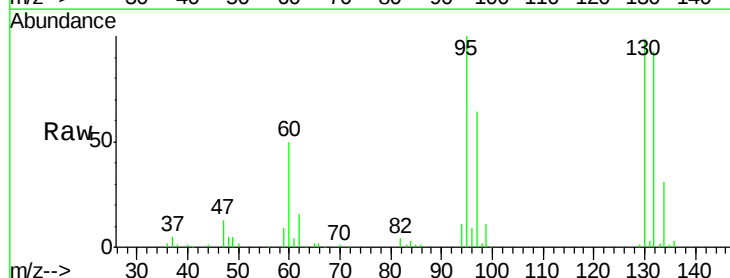
Acq: 16 Jul 2020 15:07

Tgt Ion: 130 Resp: 56529

Ion Ratio Lower Upper

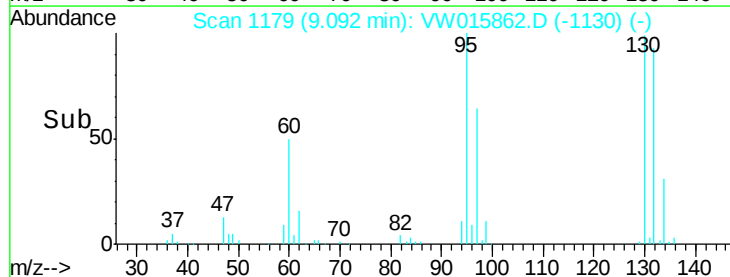
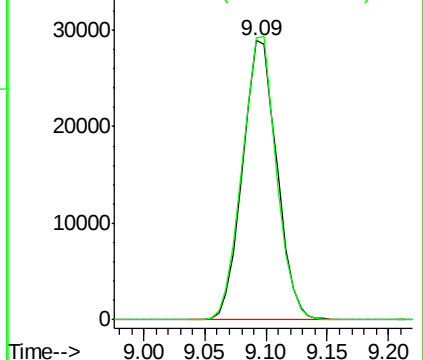
130 100

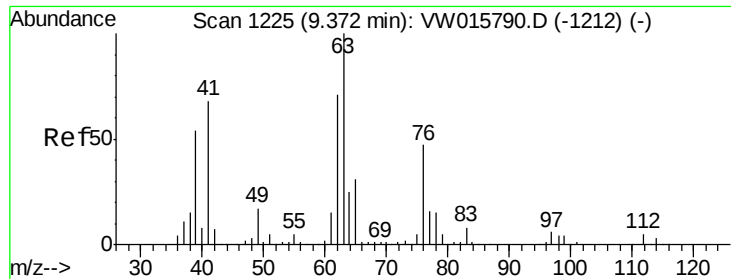
95 101.3 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

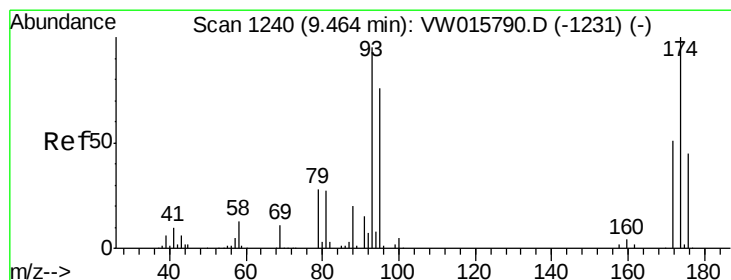
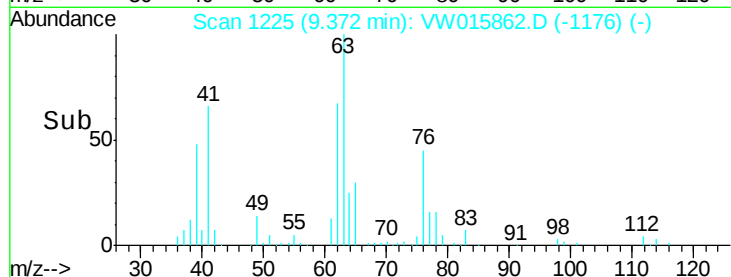
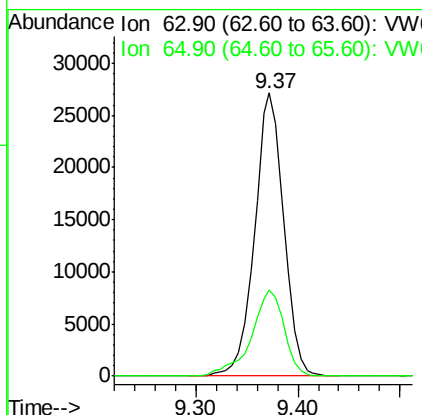
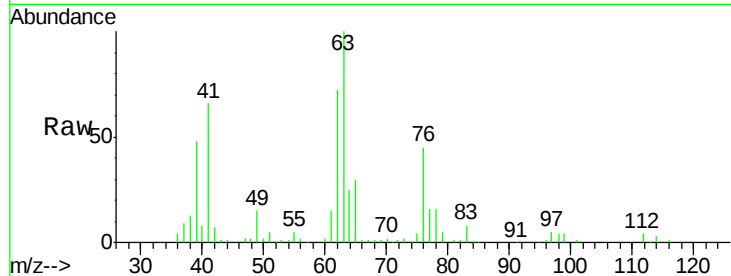




#45  
 1,2-Dichloropropane  
 Concen: 19.526 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

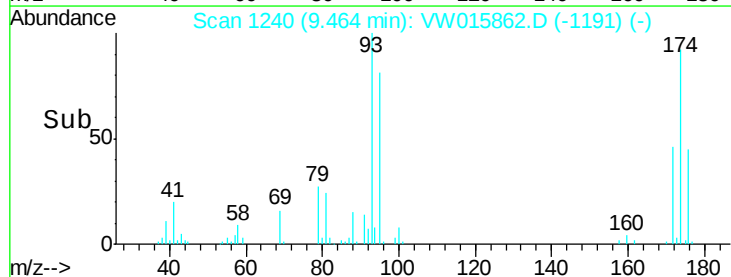
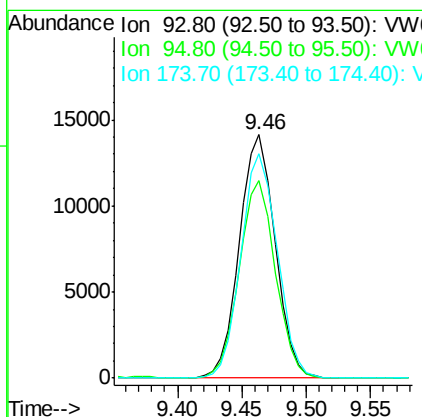
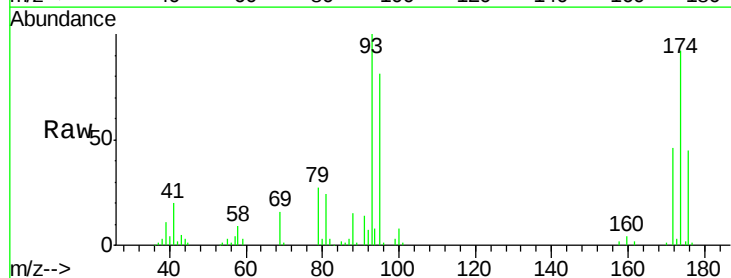
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

Tot Ion: 63 Resp: 53861  
 Ion Ratio Lower Upper  
 63 100  
 65 30.5 24.5 36.7



#46  
 Dibromomethane  
 Concen: 19.181 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Tgt Ion: 93 Resp: 27239  
 Ion Ratio Lower Upper  
 93 100  
 95 82.0 66.0 99.0  
 174 93.6 78.7 118.1

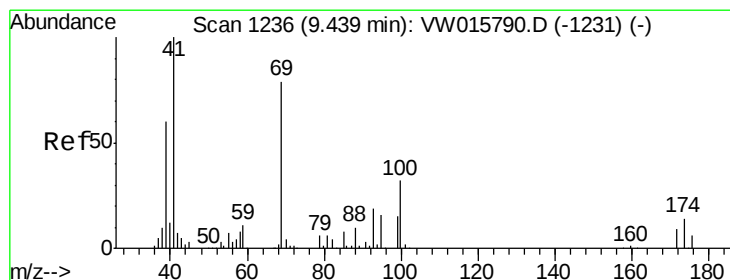
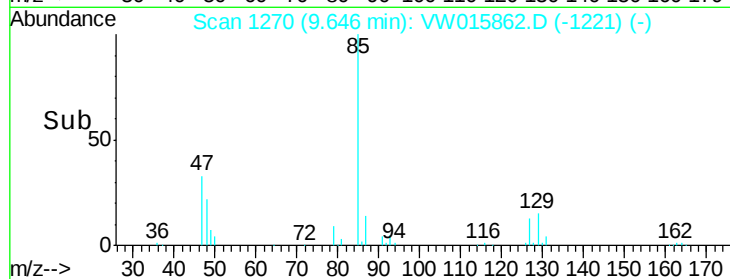
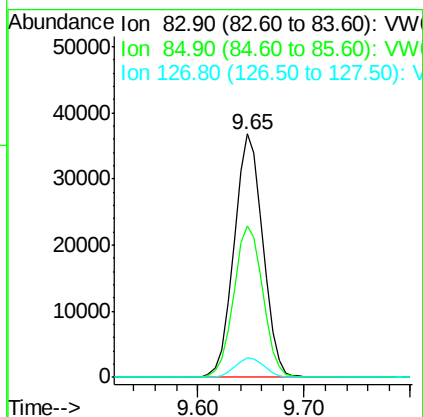
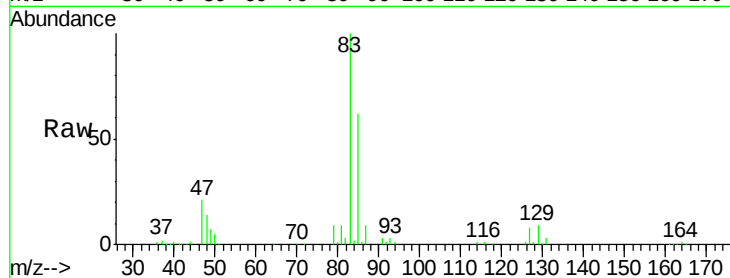




#47  
Bromodichloromethane  
Concen: 18.968 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

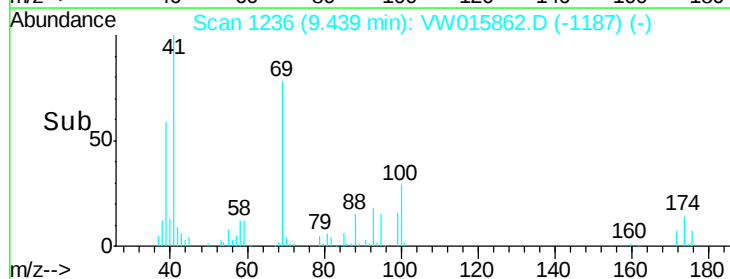
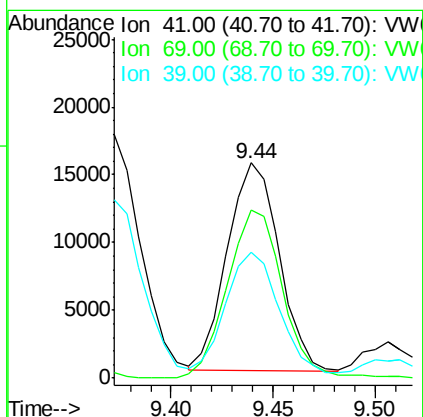
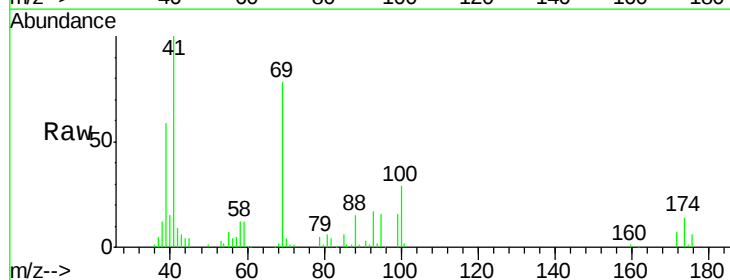
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

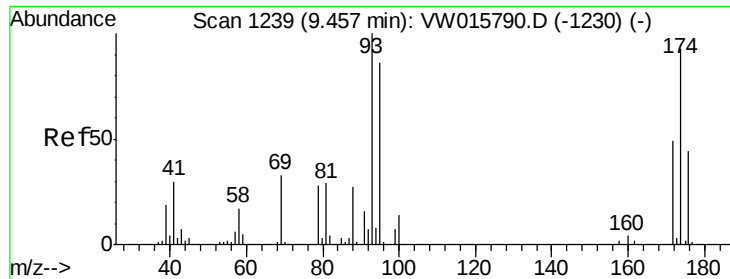
Tot Ion: 83 Resp: 69672  
Ion Ratio Lower Upper  
83 100  
85 62.2 50.6 76.0  
127 7.8 6.2 9.2



#48  
Methyl methacrylate  
Concen: 19.045 ug/l  
RT: 9.44 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 41 Resp: 27120  
Ion Ratio Lower Upper  
41 100  
69 86.6 67.1 100.7  
39 57.7 49.9 74.9

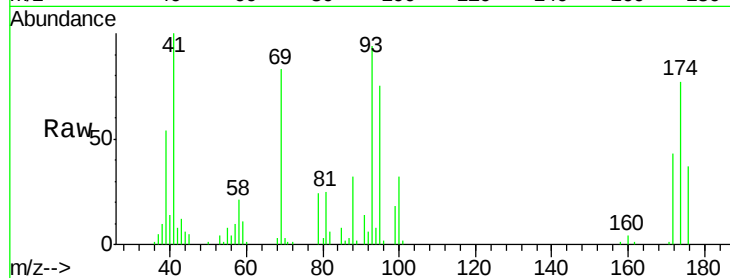




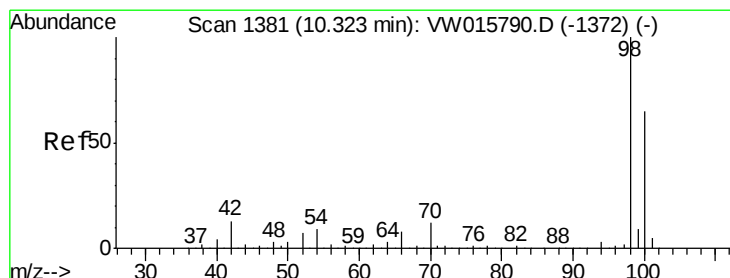
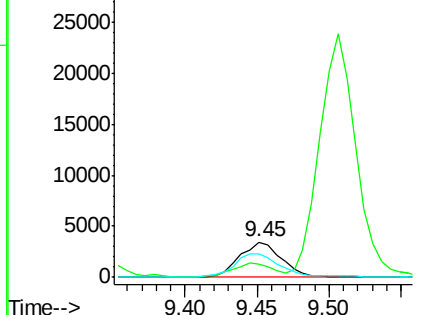
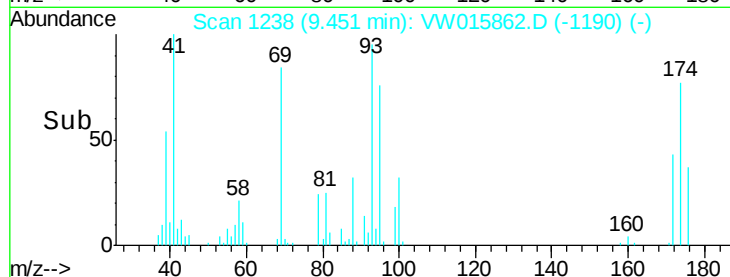
#49  
1,4-Dioxane  
Concen: 398.807 ug/l  
RT: 9.45 min Scan# 1238  
Delta R.T. -0.01 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

Tot Ion: 88 Resp: 7002  
Ion Ratio Lower Upper  
88 100  
43 36.5 28.1 42.1  
58 72.9 59.3 88.9

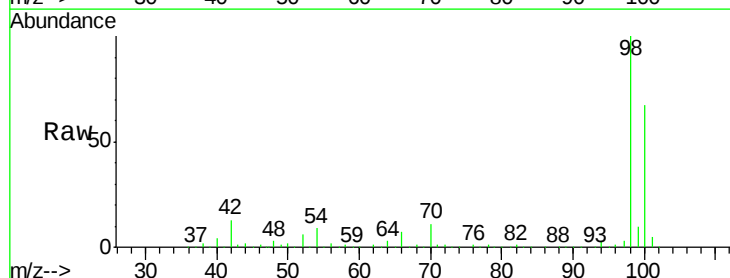


Abundance Ion 88.00 (87.70 to 88.70): VW  
Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW

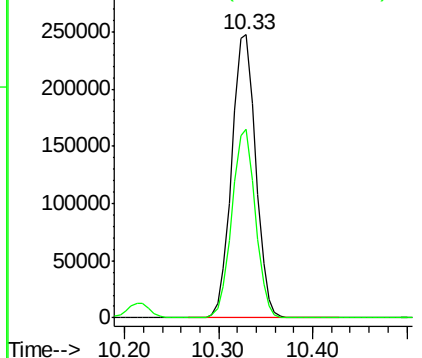
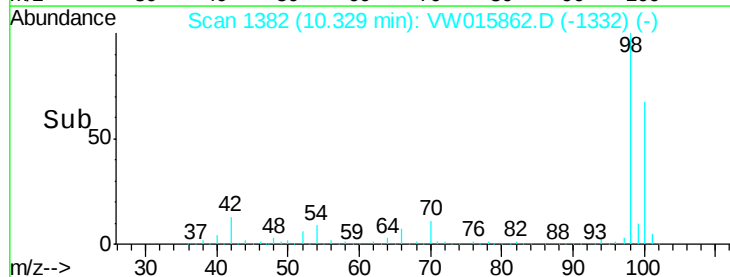


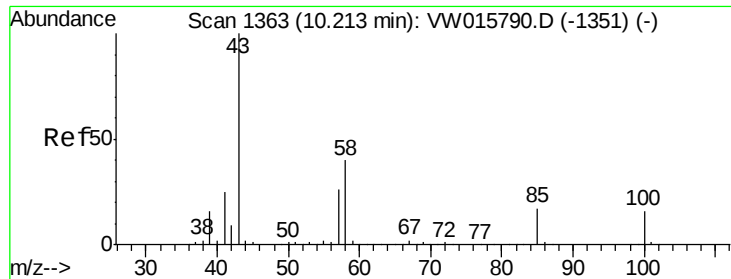
#50  
Toluene-d8  
Concen: 47.032 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. 0.01 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 98 Resp: 438032  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW  
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 94.219 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampled :

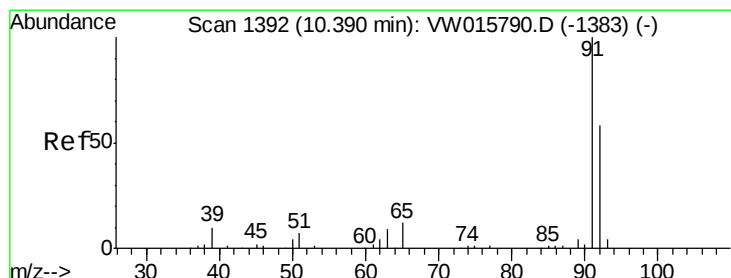
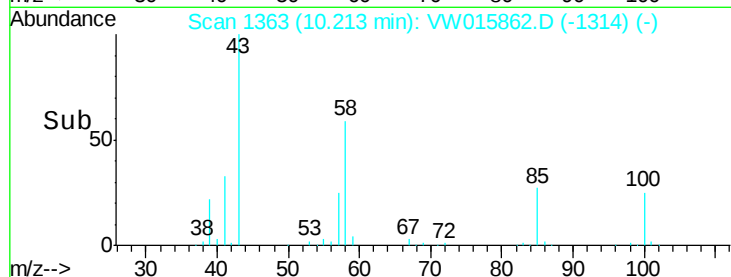
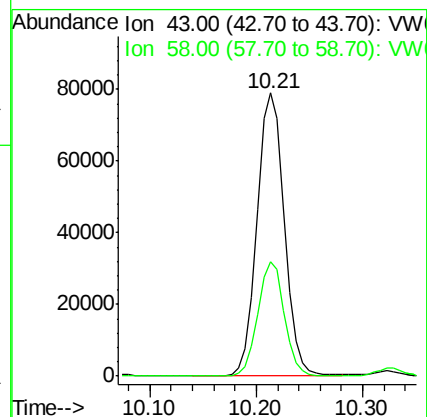
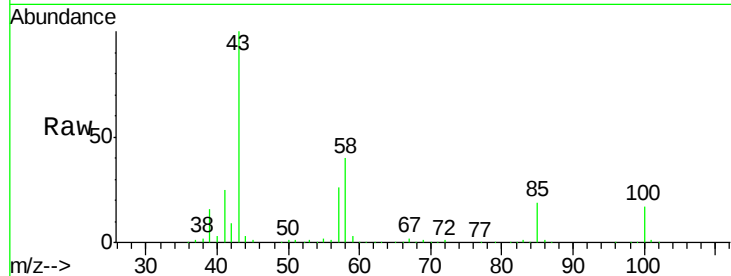
VW0716SBSD01

Tot Ion: 43 Resp: 142859

Ion Ratio Lower Upper

43 100

58 39.1 30.9 46.3



#52

Toluene

Concen: 19.223 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015862.D

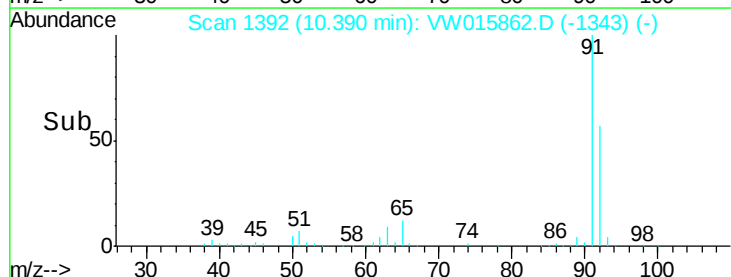
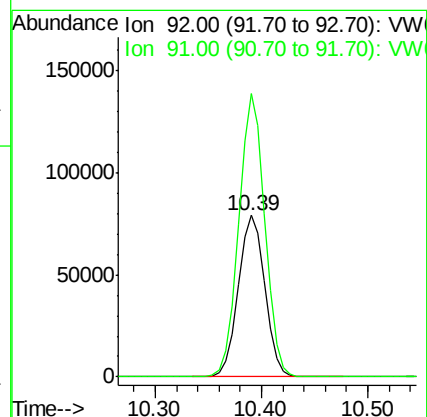
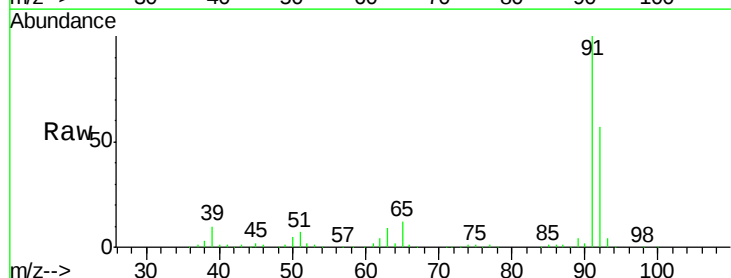
Acq: 16 Jul 2020 15:07

Tgt Ion: 92 Resp: 138824

Ion Ratio Lower Upper

92 100

91 171.7 137.1 205.7

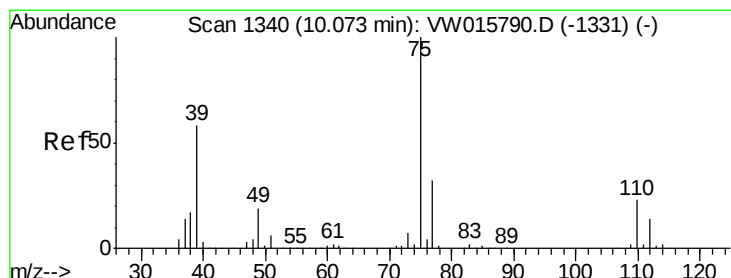
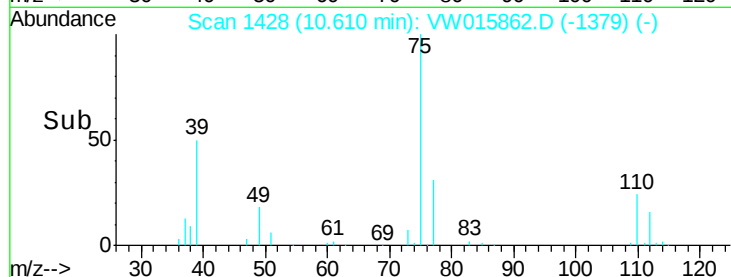
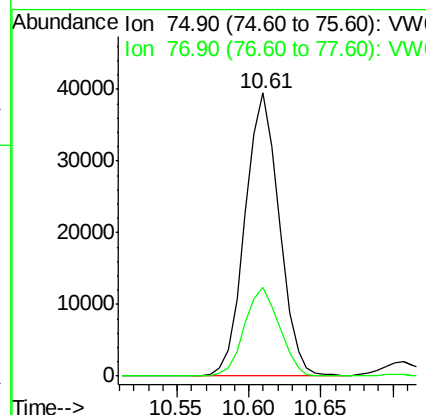
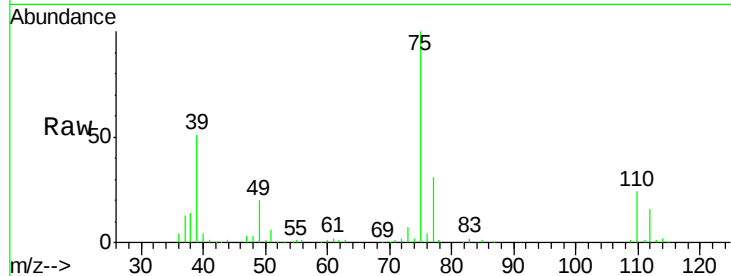




#53  
 t-1,3-Dichloropropene  
 Concen: 18.472 ug/l  
 RT: 10.61 min Scan# 1428  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

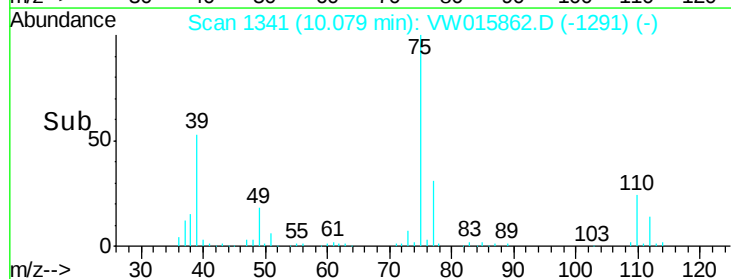
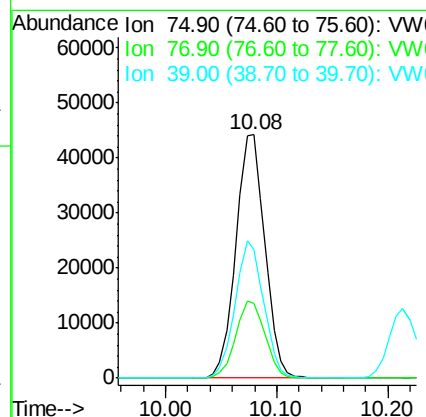
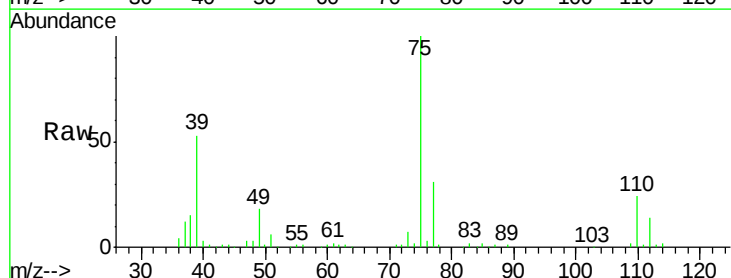
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

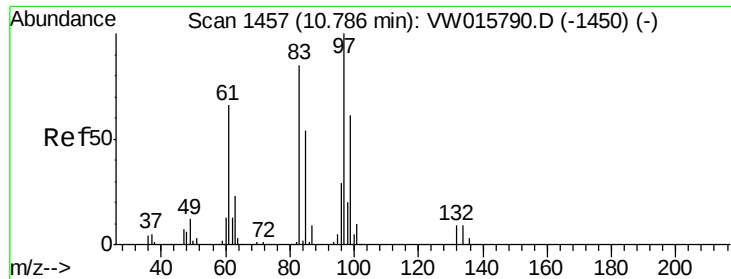
Tot Ion: 75 Resp: 65101  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 18.973 ug/l  
 RT: 10.08 min Scan# 1341  
 Delta R.T. 0.01 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Tgt Ion: 75 Resp: 79989  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 25.2 37.8  
 39 52.5 46.0 69.0

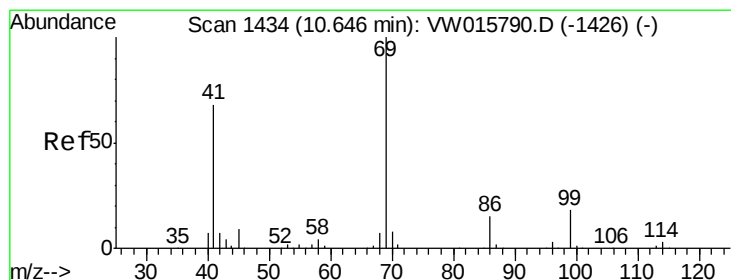
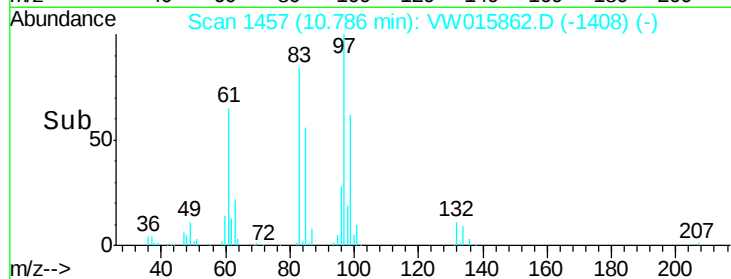
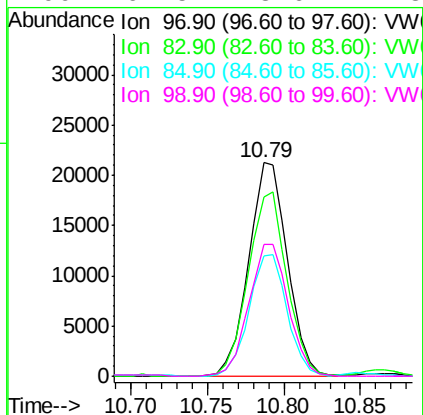
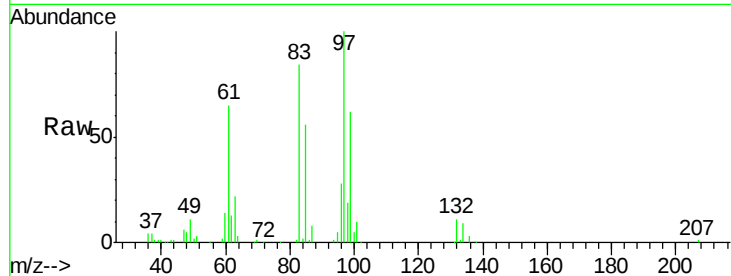




#55  
 1,1,2-Trichloroethane  
 Concen: 18.980 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

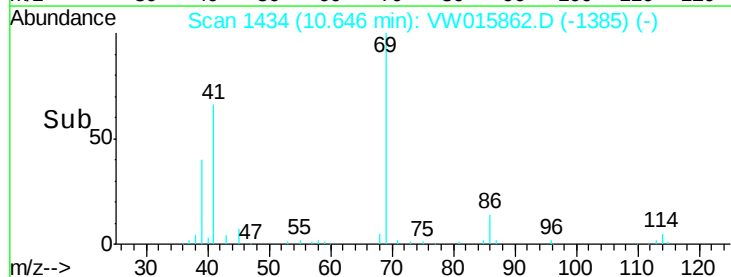
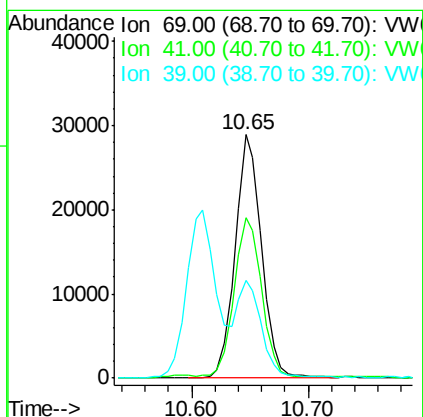
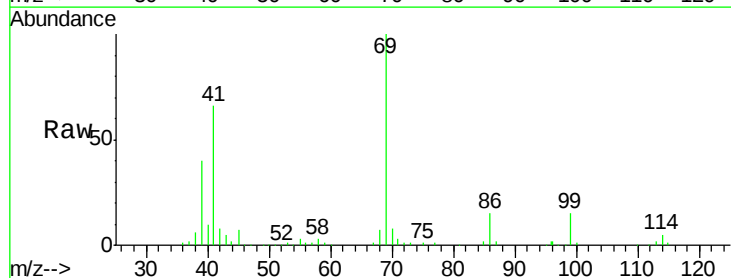
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

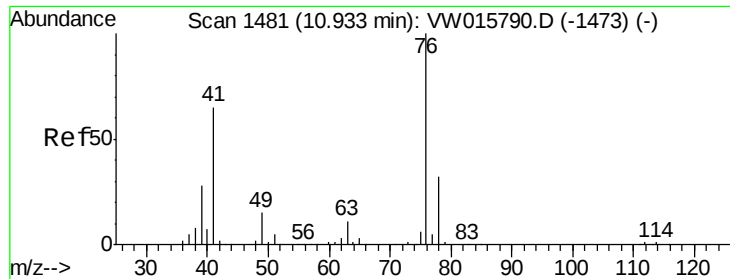
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 37375 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.2  | 68.2  | 102.4 |
| 85       | 56.2  | 43.4  | 65.0  |
| 99       | 61.5  | 48.6  | 72.8  |



#56  
 Ethyl methacrylate  
 Concen: 18.927 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 45822 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.0  | 55.0  | 82.6  |
| 39       | 36.2  | 33.8  | 50.8  |

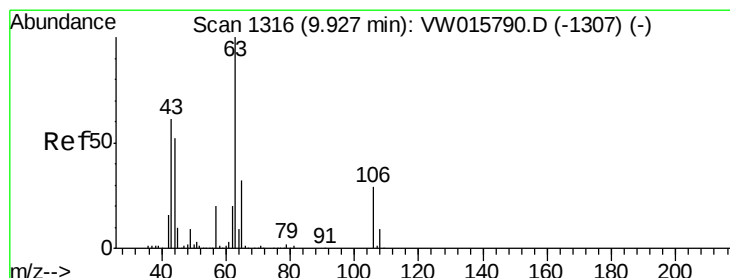
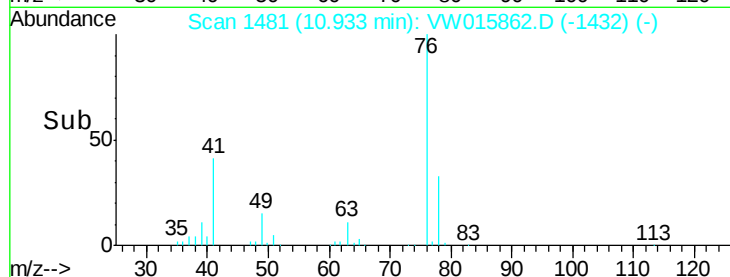
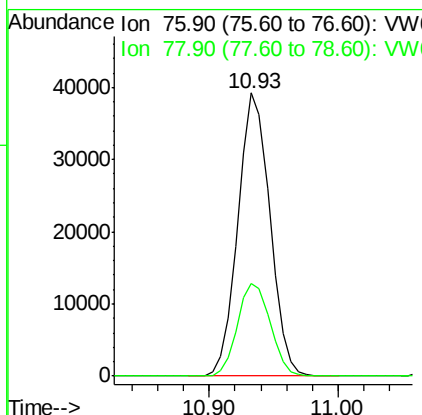
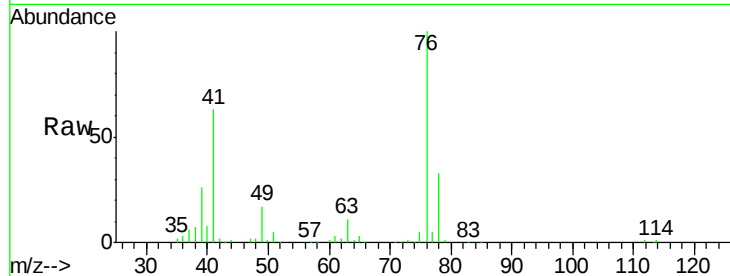




#57  
 1,3-Dichloropropane  
 Concen: 19.372 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

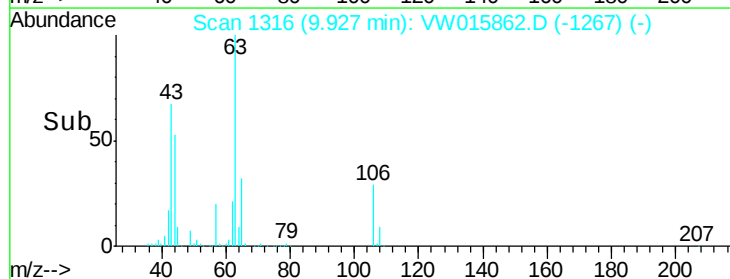
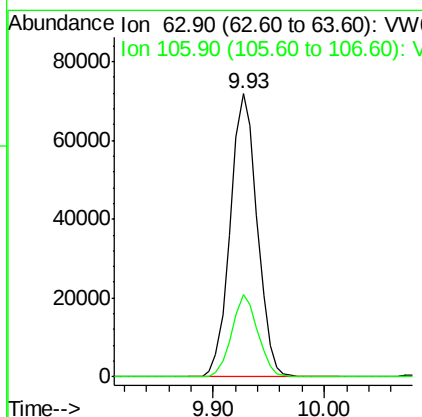
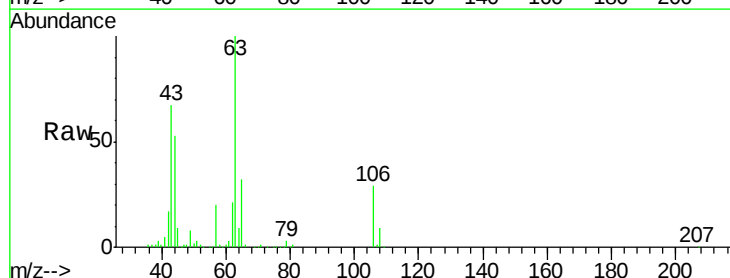
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

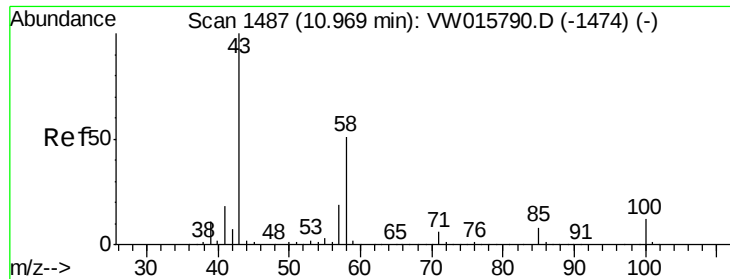
Tot Ion: 76 Resp: 67531  
 Ion Ratio Lower Upper  
 76 100  
 78 33.5 25.7 38.5



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 101.615 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Tgt Ion: 63 Resp: 120204  
 Ion Ratio Lower Upper  
 63 100  
 106 28.3 23.1 34.7





#59

2-Hexanone

Concen: 97.599 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

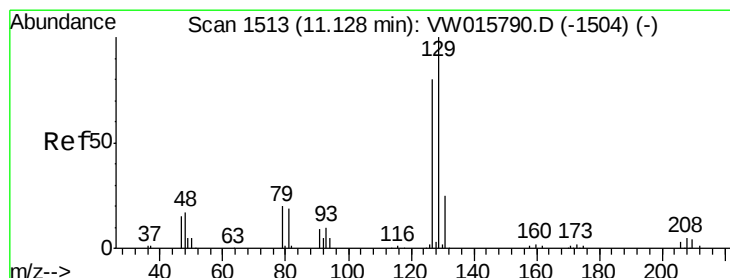
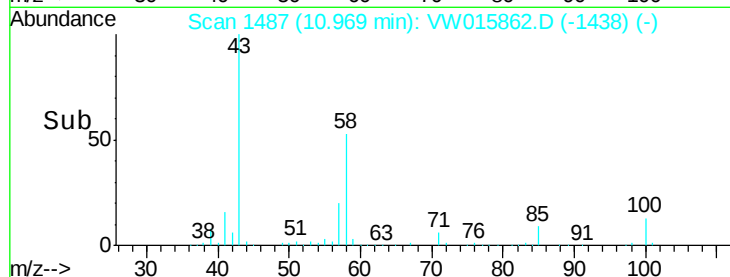
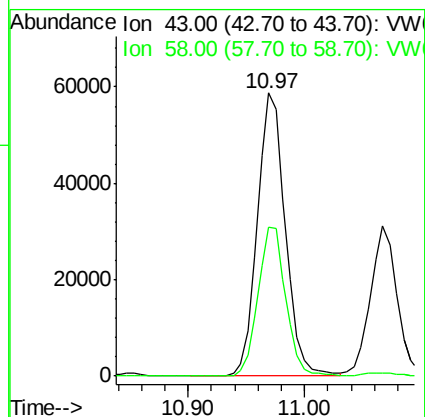
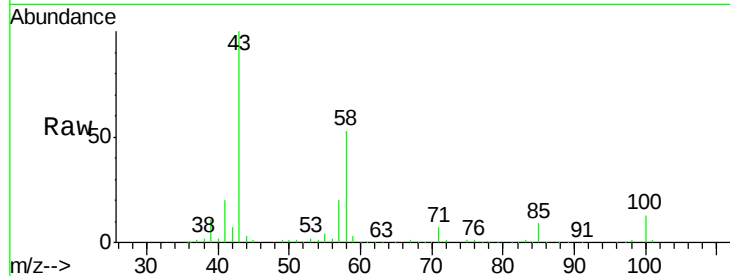
VW0716SBSD01

Tot Ion: 43 Resp: 98758

Ion Ratio Lower Upper

43 100

58 52.4 26.2 78.5



#60

Dibromochloromethane

Concen: 18.486 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015862.D

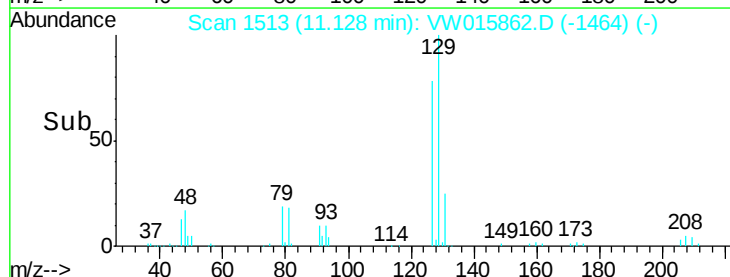
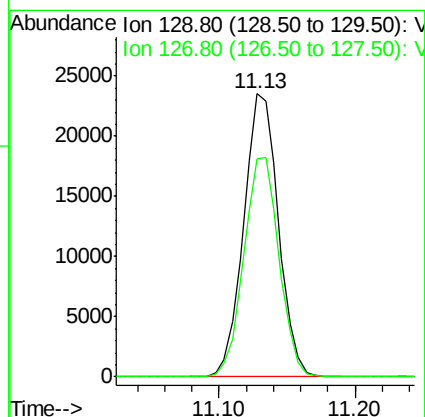
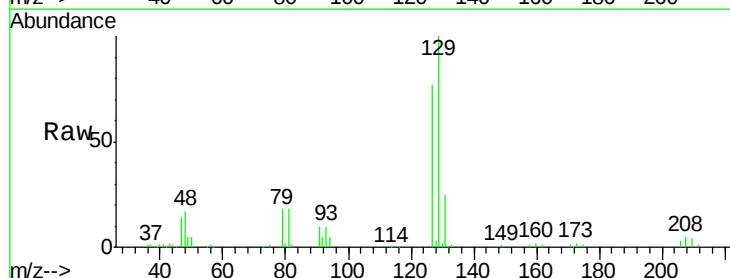
Acq: 16 Jul 2020 15:07

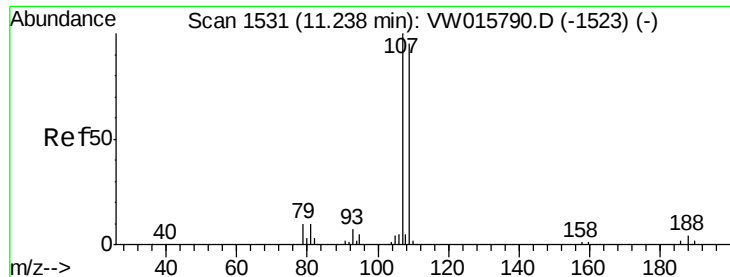
Tgt Ion: 129 Resp: 42042

Ion Ratio Lower Upper

129 100

127 78.5 39.4 118.1





#61

1,2-Dibromoethane

Concen: 18.833 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

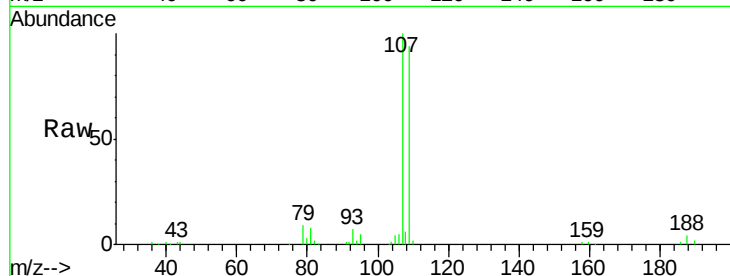
VW0716SBSD01

Tot Ion:107 Resp: 35485

Ion Ratio Lower Upper

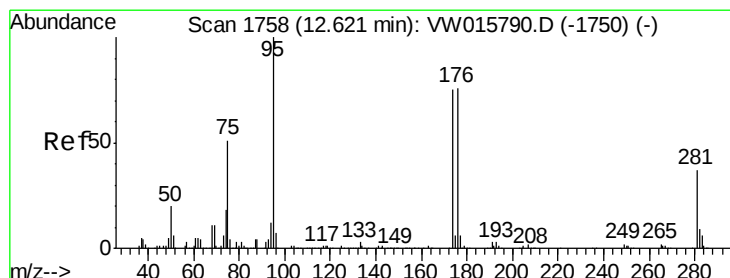
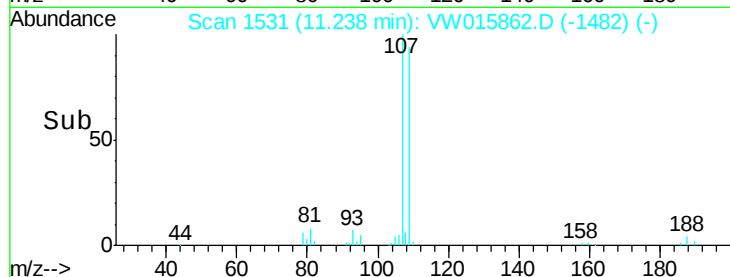
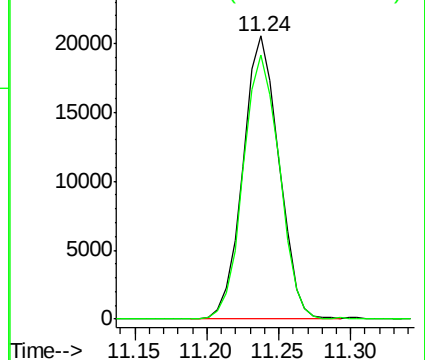
107 100

109 94.6 77.0 115.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.558 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

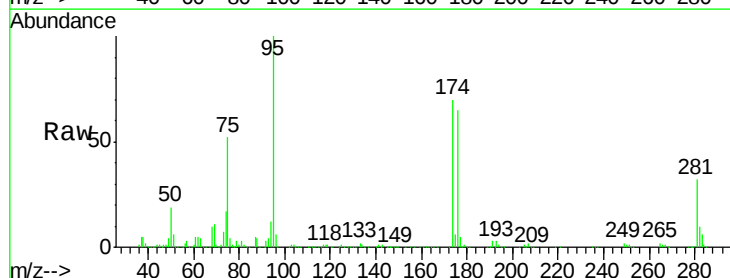
Tgt Ion: 95 Resp: 165949

Ion Ratio Lower Upper

95 100

174 71.7 0.0 150.2

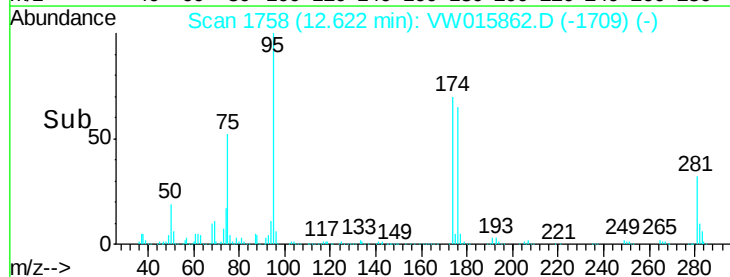
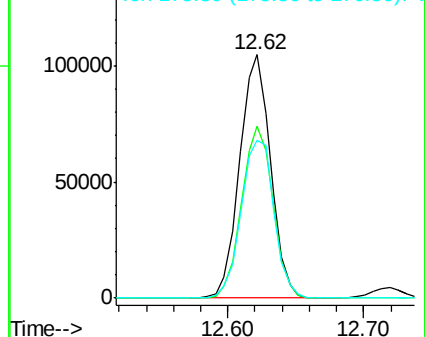
176 69.2 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

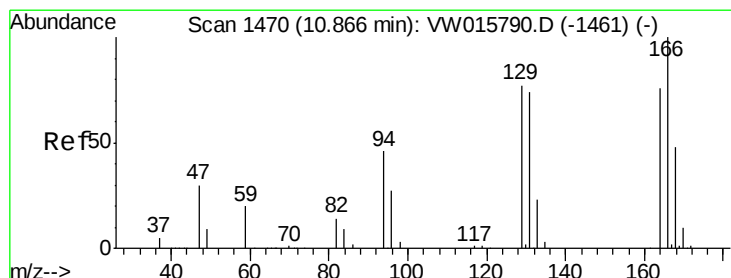
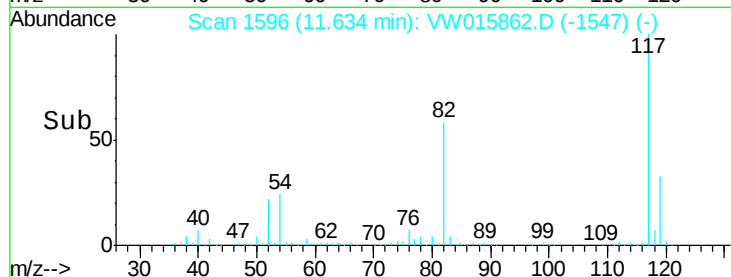
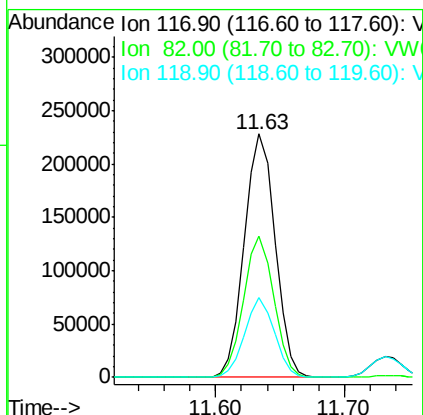
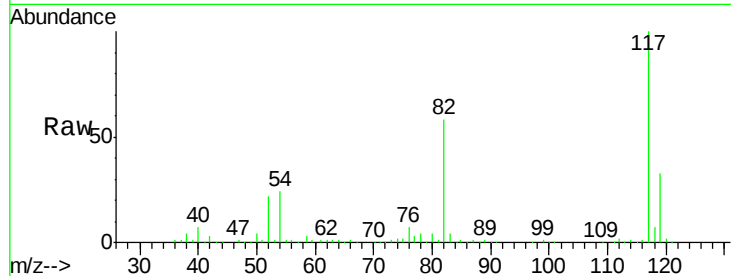




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

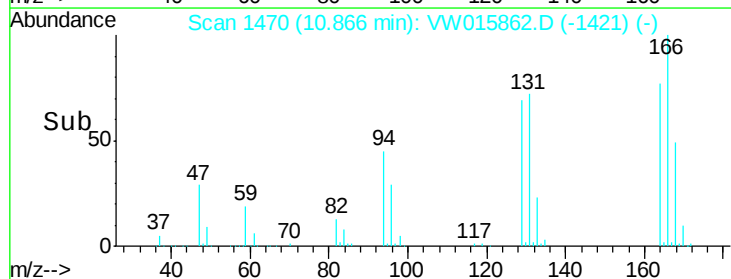
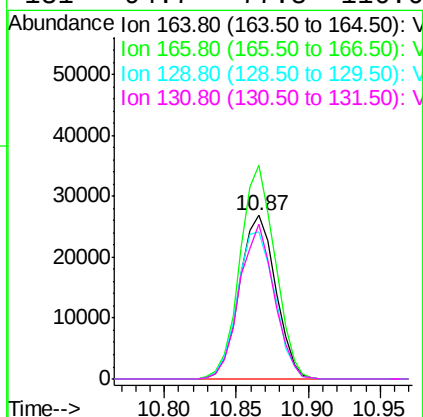
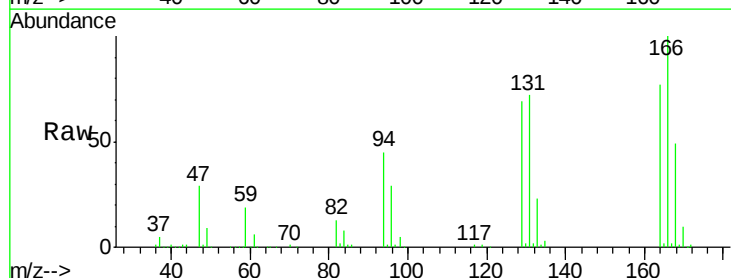
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

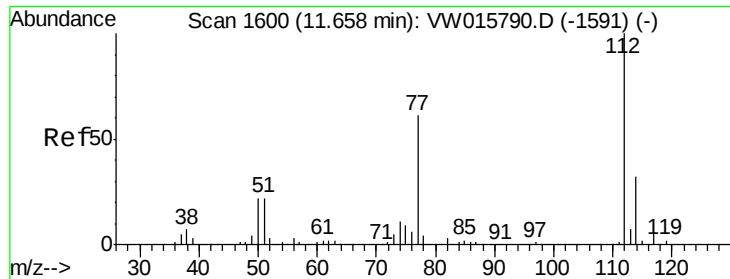
Tot Ion:117 Resp: 376383  
Ion Ratio Lower Upper  
117 100  
82 58.0 45.5 68.3  
119 32.6 25.0 37.6



#64  
Tetrachloroethene  
Concen: 19.697 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion:164 Resp: 46917  
Ion Ratio Lower Upper  
164 100  
166 130.6 105.1 157.7  
129 90.1 80.6 121.0  
131 94.7 77.8 116.6

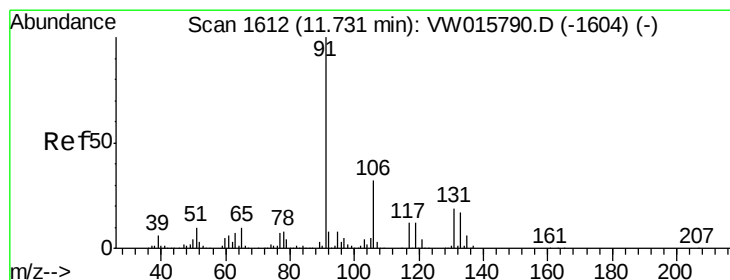
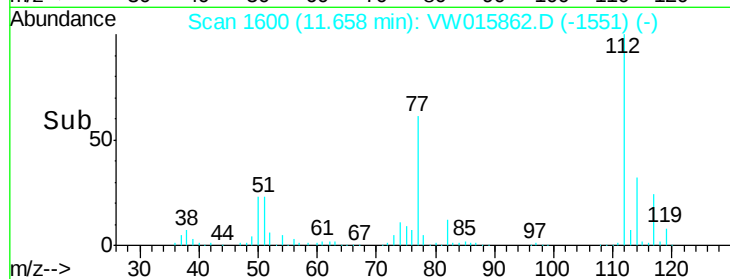
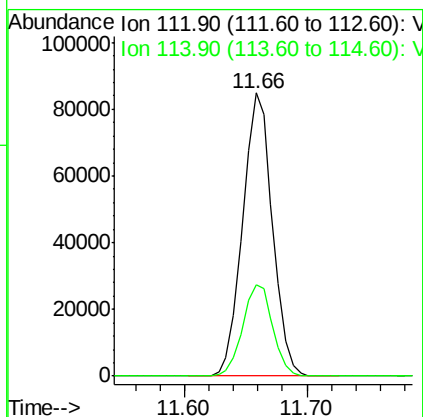
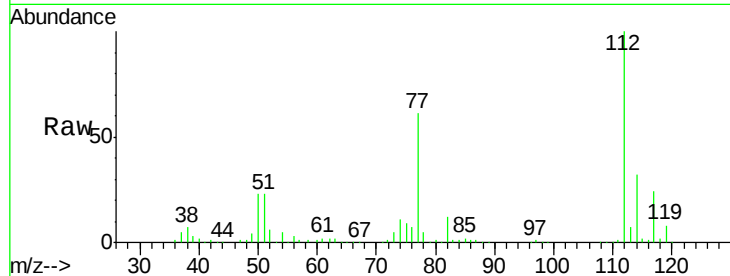




#65  
Chlorobenzene  
Concen: 19.434 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

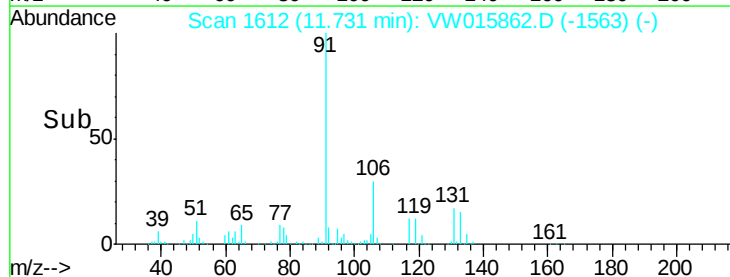
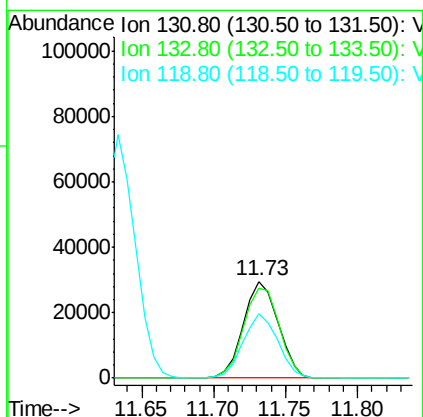
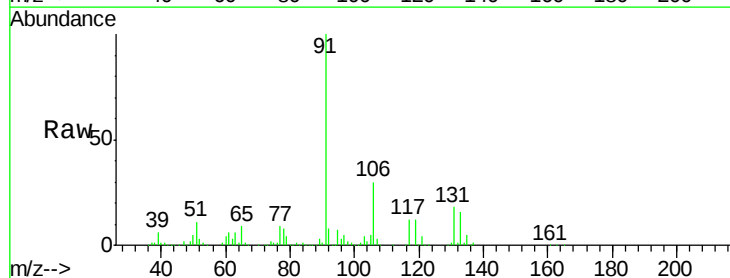
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

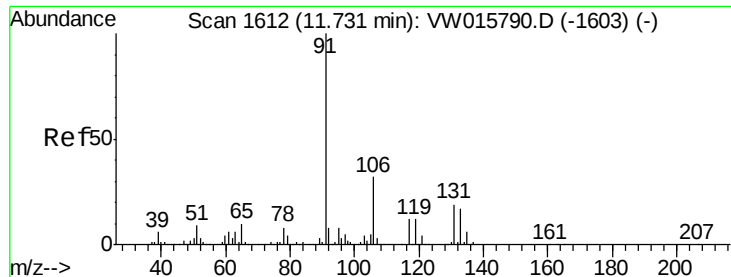
Tot Ion:112 Resp: 143043  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.9 38.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.044 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion:131 Resp: 49604  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.0 141.2  
119 65.7 32.3 96.8

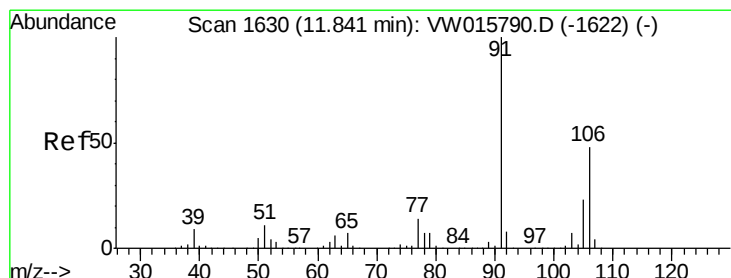
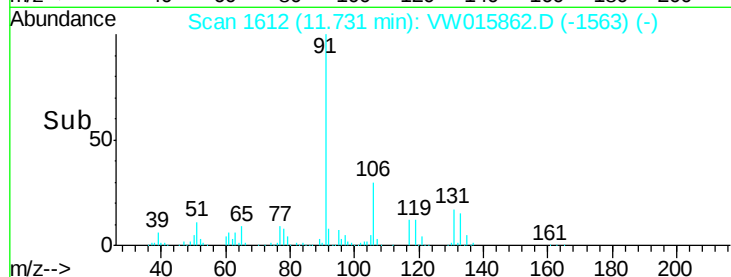
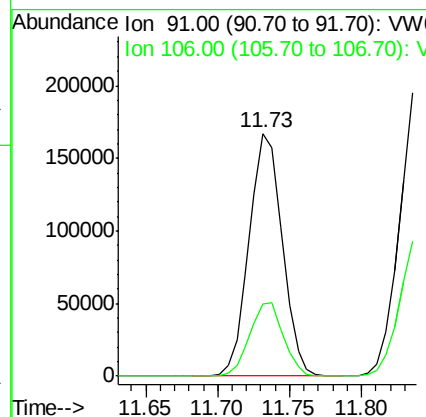
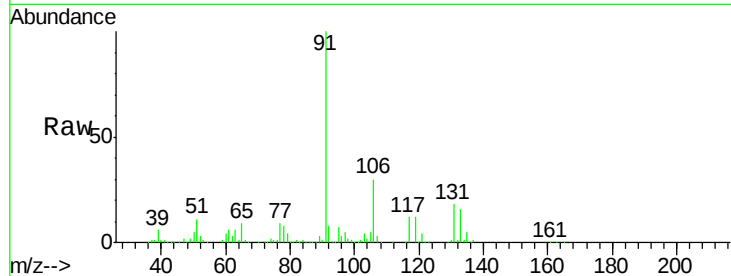




#67  
Ethyl Benzene  
Concen: 19.588 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

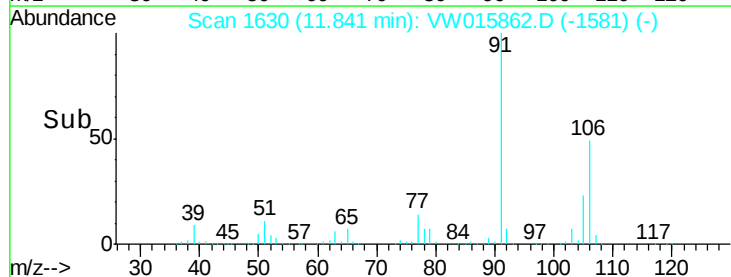
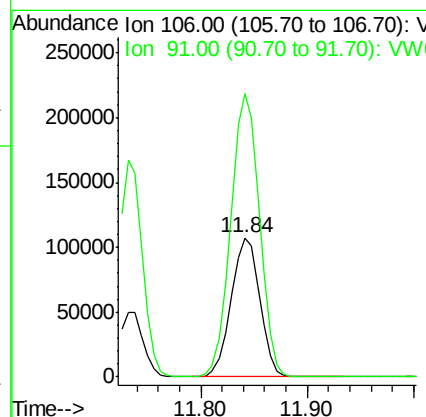
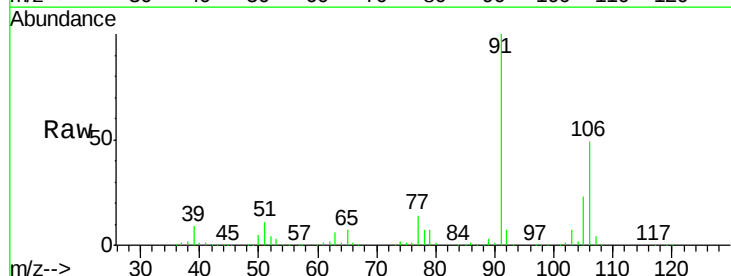
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

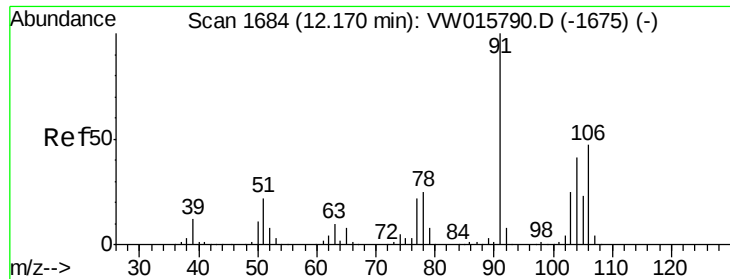
Tot Ion: 91 Resp: 267003  
Ion Ratio Lower Upper  
91 100  
106 30.0 25.8 38.8



#68  
m/p-Xylenes  
Concen: 39.558 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 106 Resp: 202555  
Ion Ratio Lower Upper  
106 100  
91 204.1 164.1 246.1

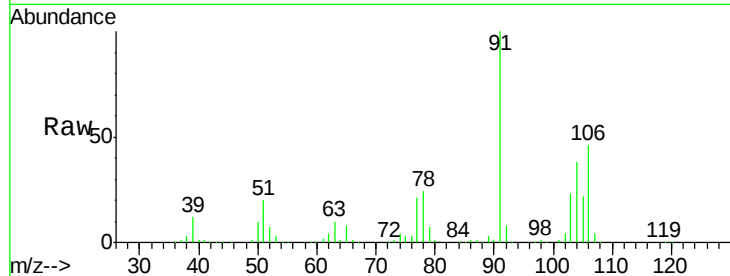




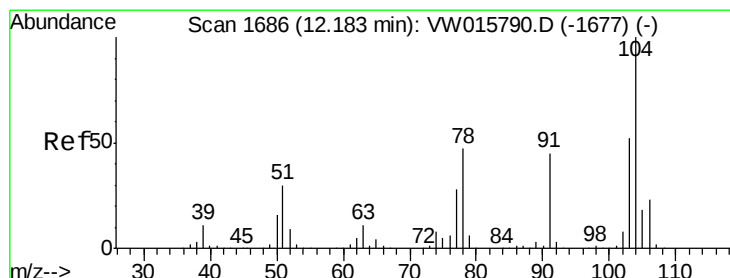
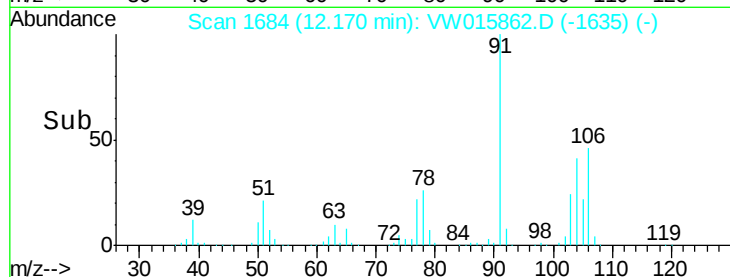
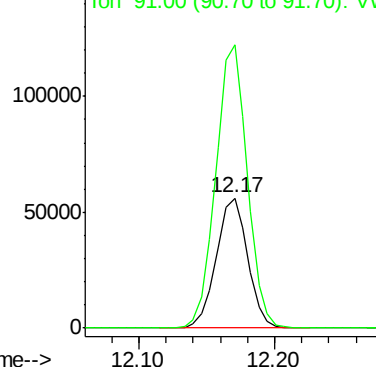
#69  
o-Xylene  
Concen: 19.416 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Instrument :  
MSVOA\_W  
ClientSampleID :  
VW0716SBSD01

Tot Ion:106 Resp: 90748  
Ion Ratio Lower Upper  
106 100  
91 218.5 108.5 325.3

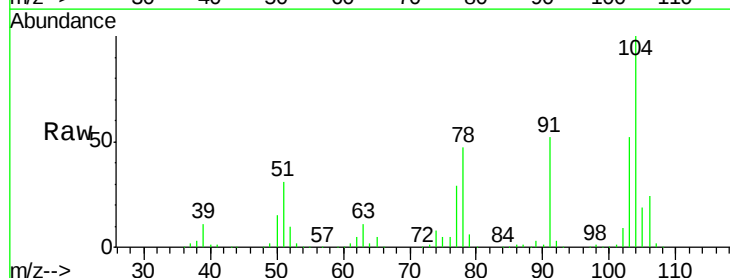


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

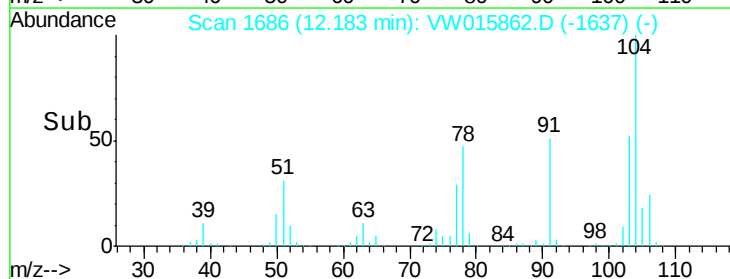
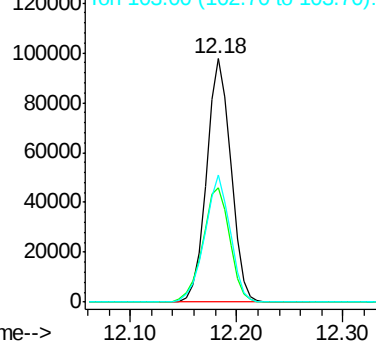


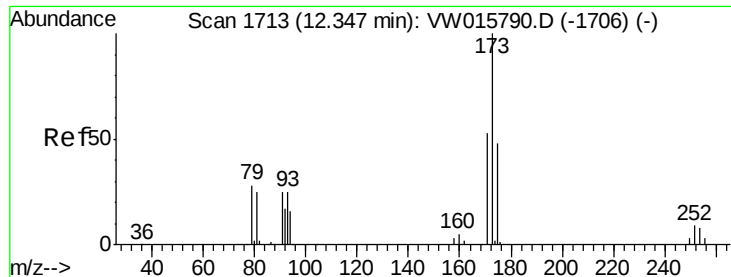
#70  
Styrene  
Concen: 19.501 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion:104 Resp: 156829  
Ion Ratio Lower Upper  
104 100  
78 52.2 41.0 61.4  
103 54.7 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): V  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.385 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

VW0716SBSD01

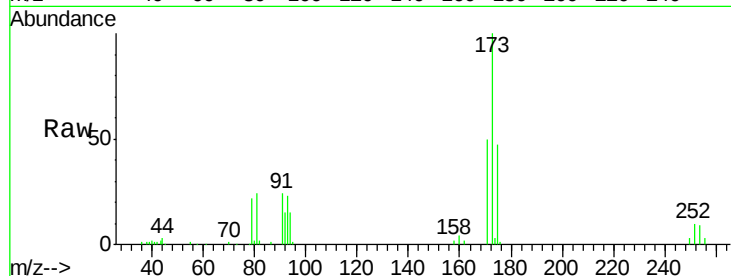
Tot Ion:173 Resp: 21858

Ion Ratio Lower Upper

173 100

175 49.1 23.5 70.5

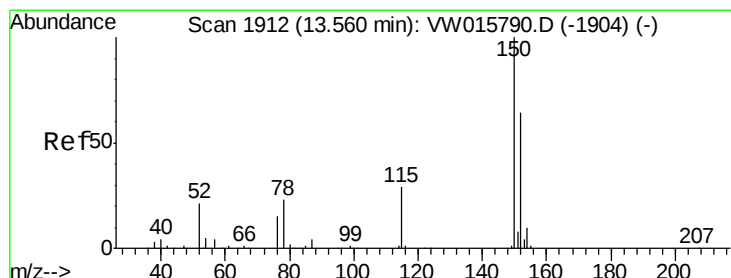
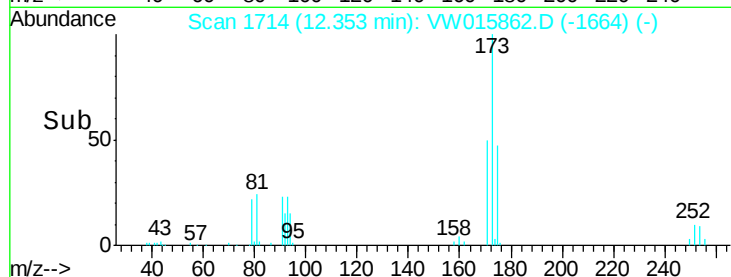
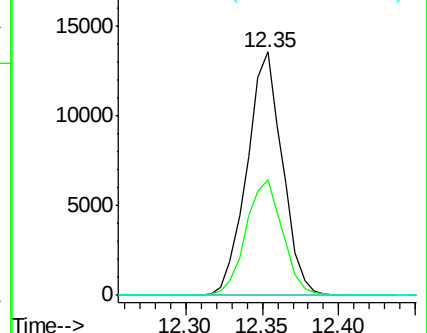
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

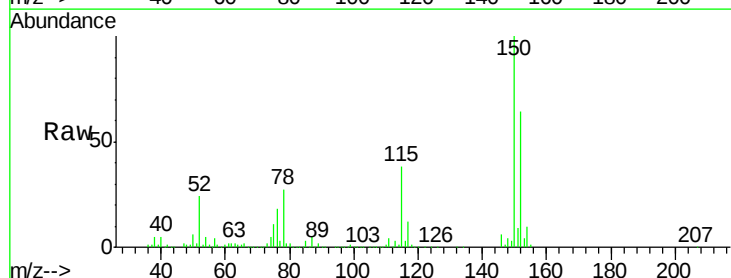
Tgt Ion:152 Resp: 188896

Ion Ratio Lower Upper

152 100

115 60.2 29.9 89.7

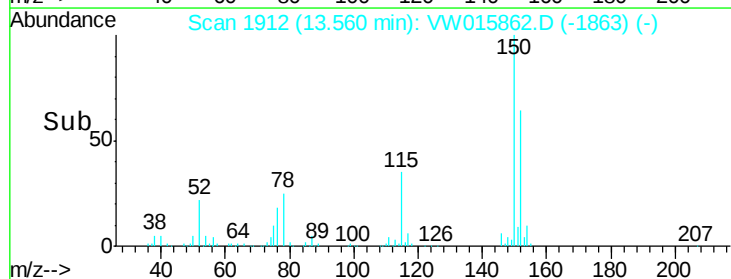
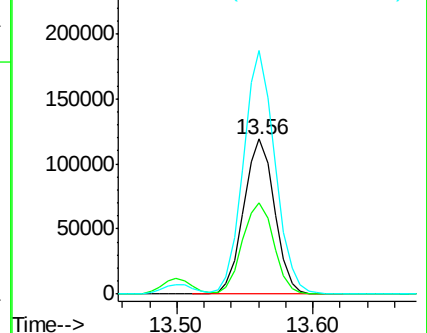
150 160.8 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.172 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

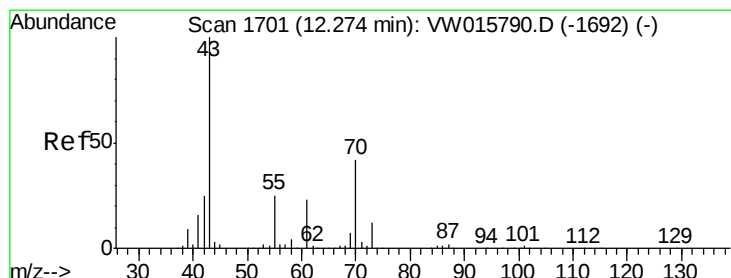
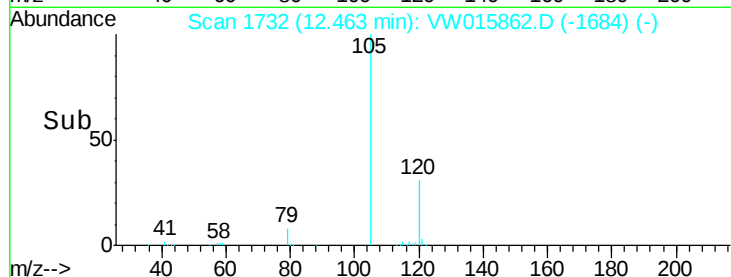
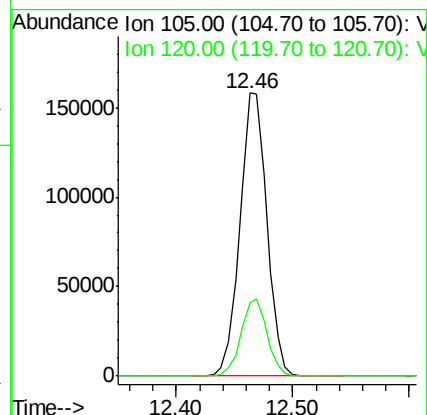
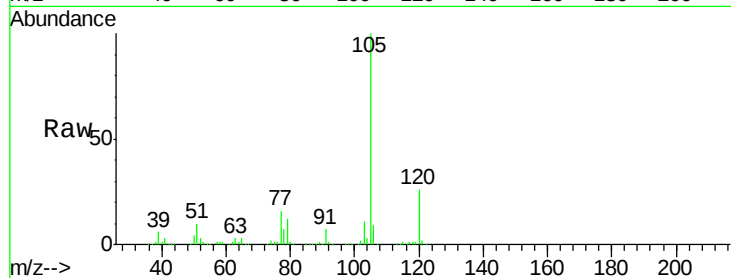
VW0716SBSD01

Tot Ion:105 Resp: 255134

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 19.107 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Tgt Ion: 43 Resp: 54398

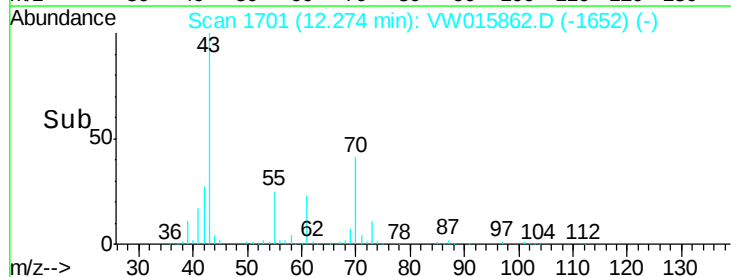
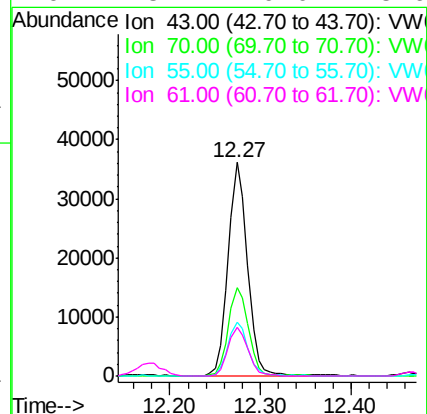
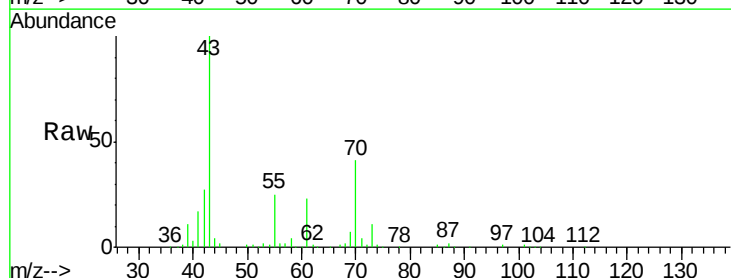
Ion Ratio Lower Upper

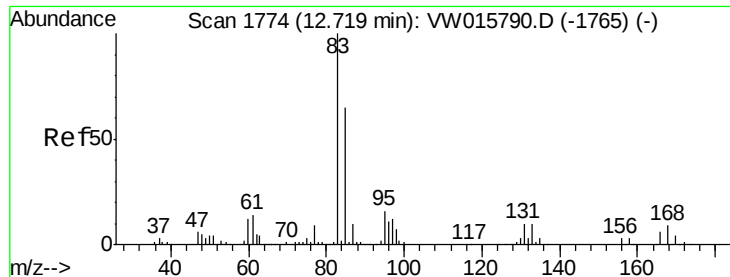
43 100

70 42.2 34.1 51.1

55 26.1 20.0 30.0

61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.373 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampled :

VW0716SBSD01

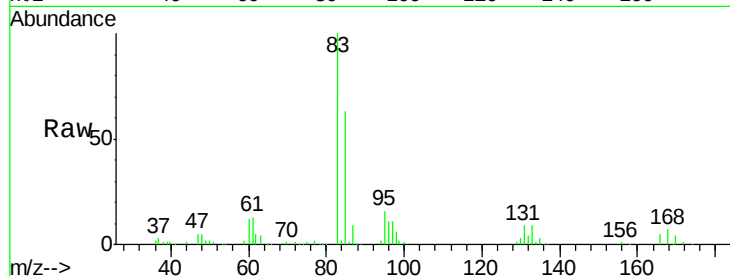
Tot Ion: 83 Resp: 42837

Ion Ratio Lower Upper

83 100

131 10.6 5.3 16.1

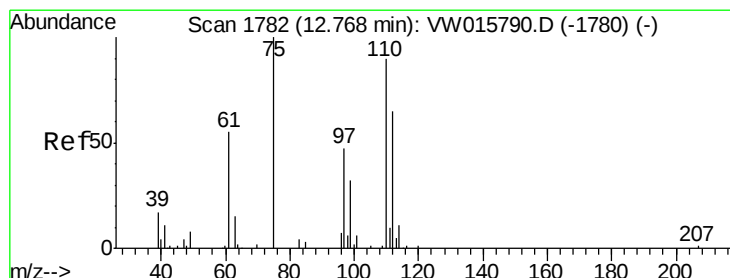
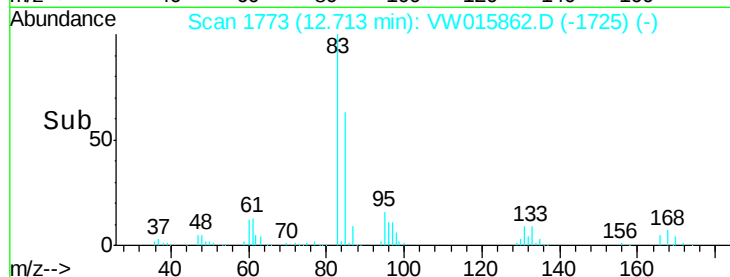
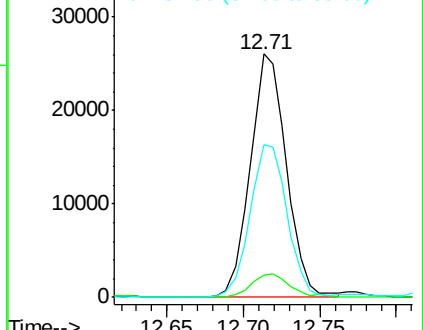
85 64.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 19.192 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015862.D

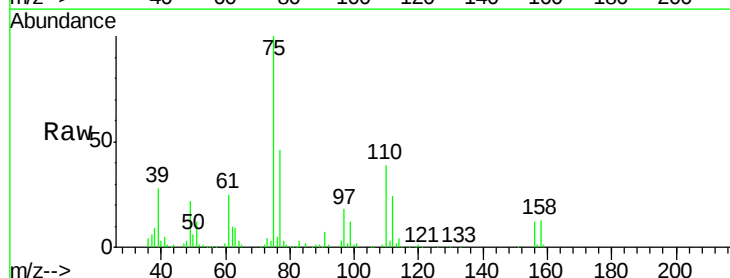
Acq: 16 Jul 2020 15:07

Tgt Ion: 75 Resp: 31862

Ion Ratio Lower Upper

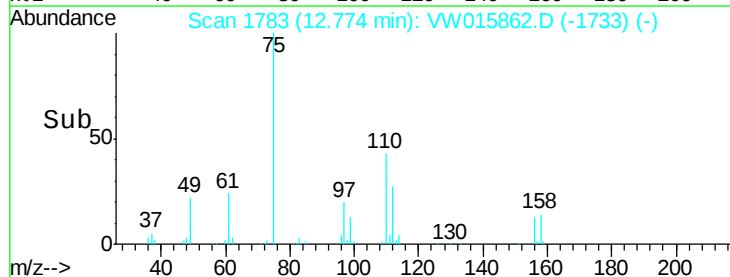
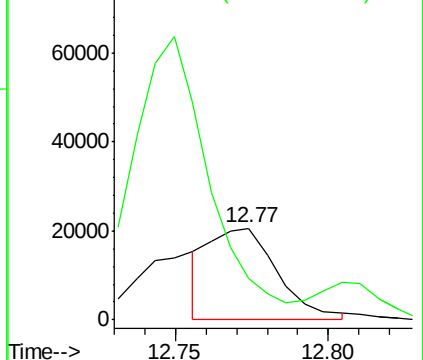
75 100

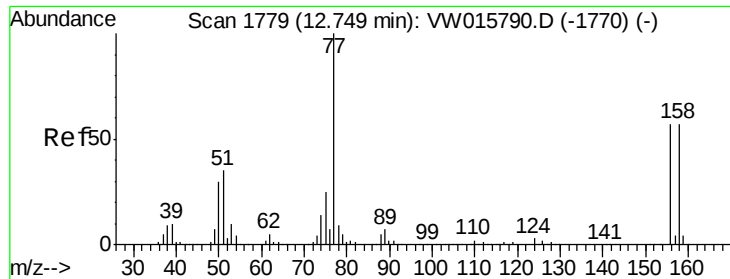
77 0.0 177.3 532.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.354 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampled :

VW0716SBSD01

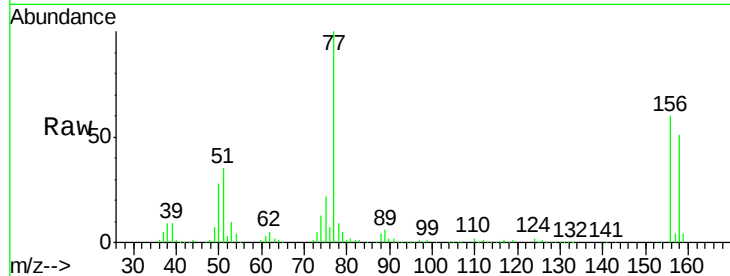
Tot Ion:156 Resp: 57750

Ion Ratio Lower Upper

156 100

77 194.4 98.8 296.4

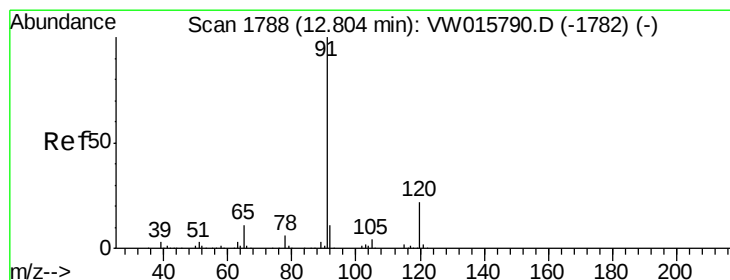
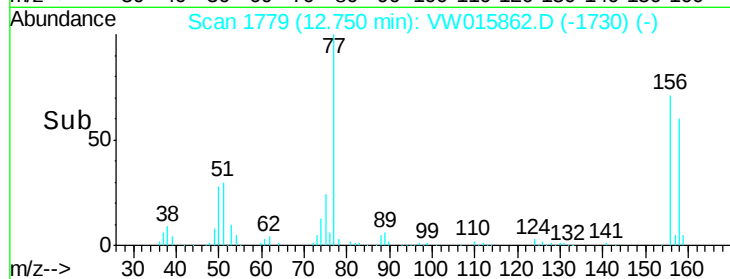
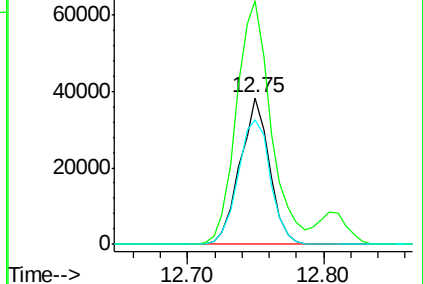
158 93.5 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.771 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015862.D

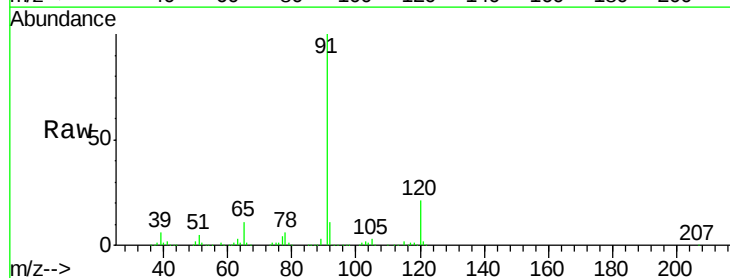
Acq: 16 Jul 2020 15:07

Tgt Ion: 91 Resp: 319347

Ion Ratio Lower Upper

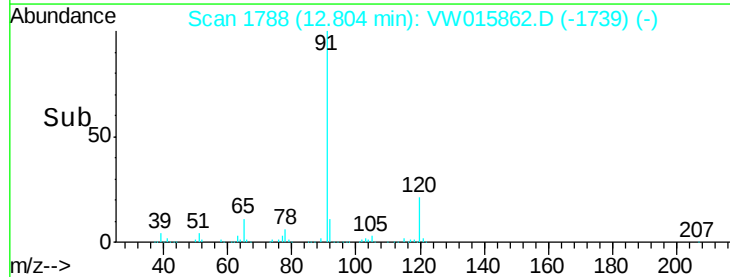
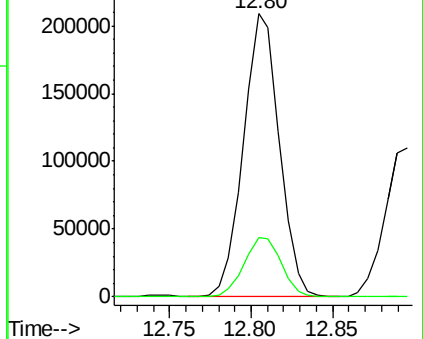
91 100

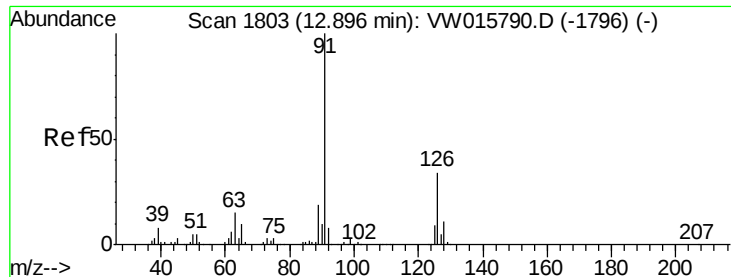
120 21.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.464 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

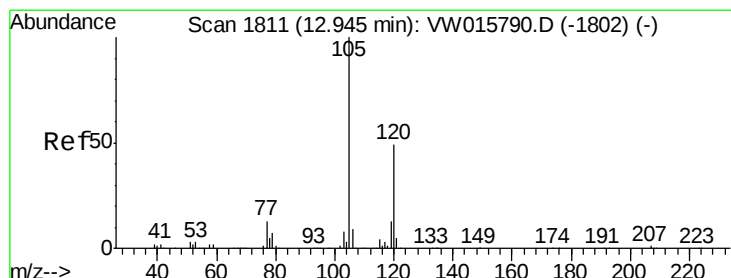
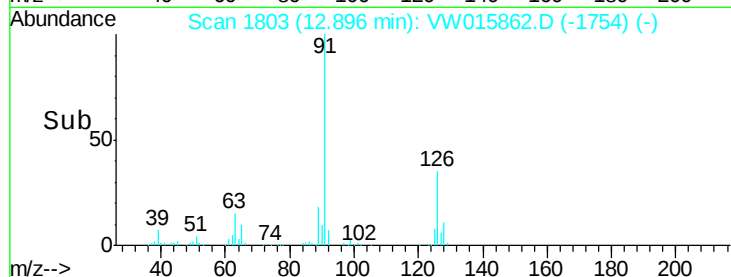
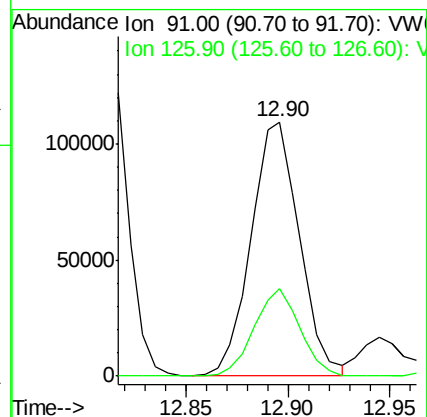
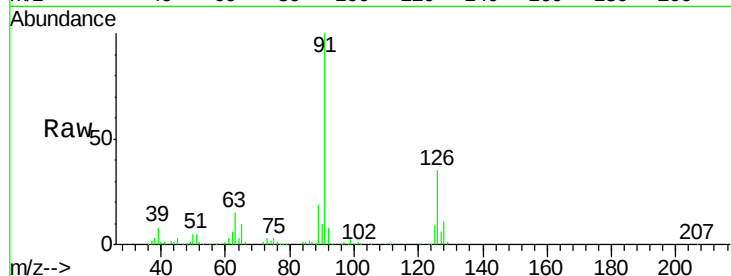
VW0716SBSD01

Tot Ion: 91 Resp: 179293

Ion Ratio Lower Upper

91 100

126 32.9 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 19.693 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015862.D

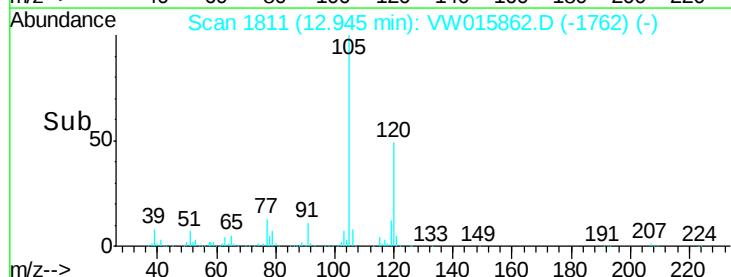
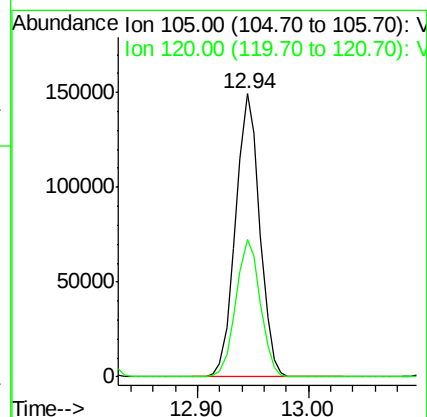
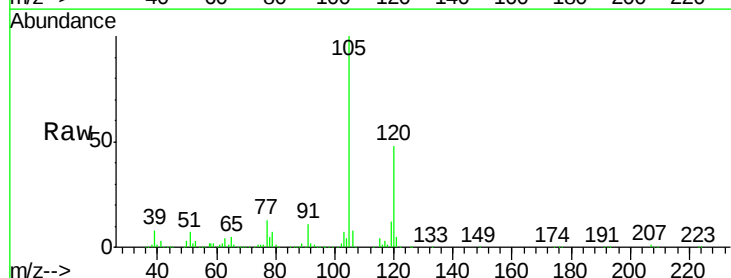
Acq: 16 Jul 2020 15:07

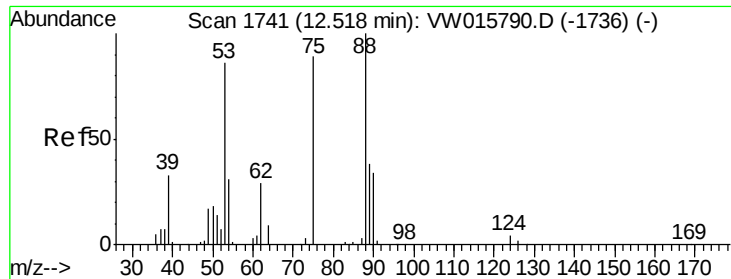
Tgt Ion:105 Resp: 223363

Ion Ratio Lower Upper

105 100

120 49.2 25.1 75.3

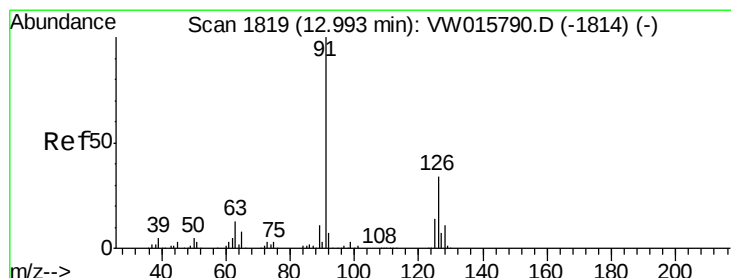
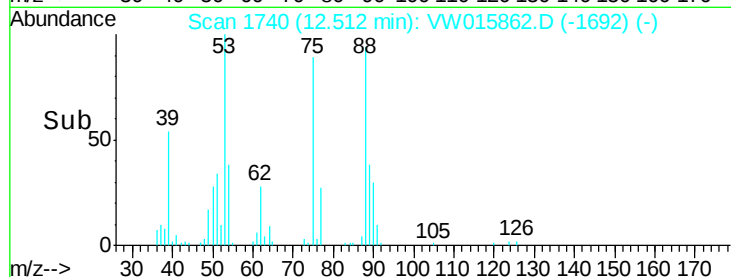
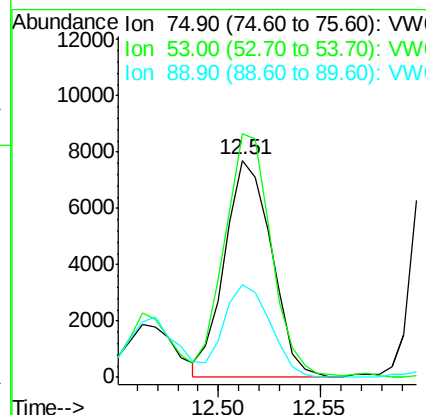
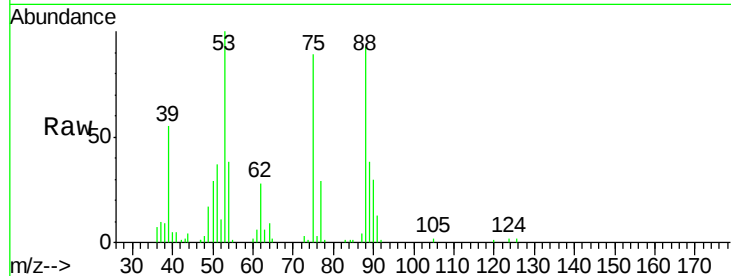




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.283 ug/l  
RT: 12.51 min Scan# 1740  
Delta R.T. -0.01 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

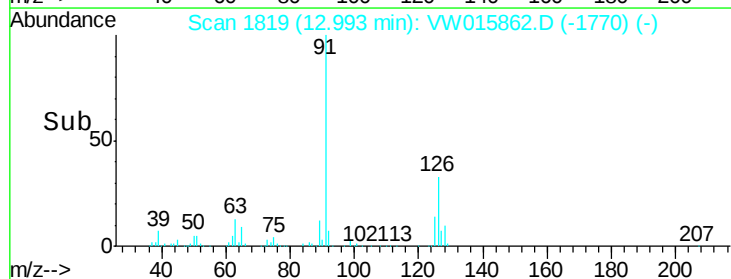
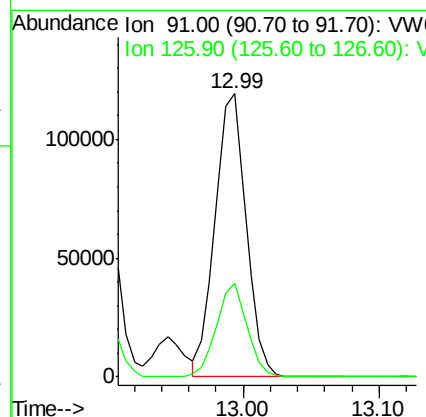
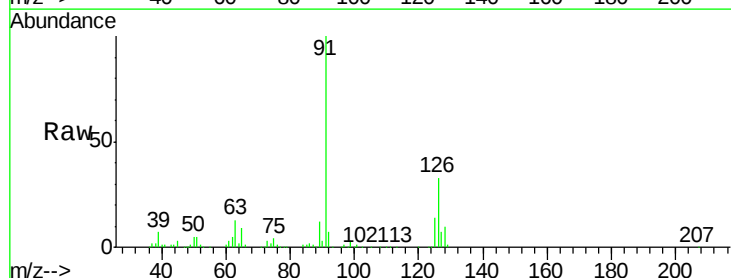
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

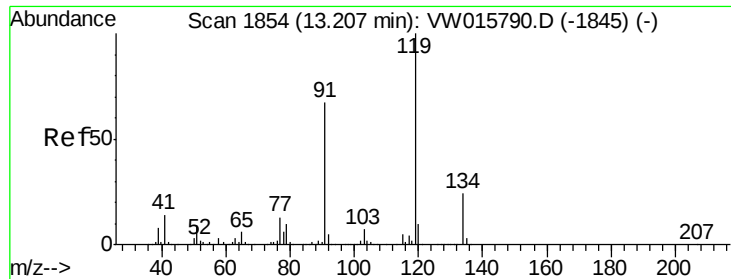
Tot Ion: 75 Resp: 12311  
Ion Ratio Lower Upper  
75 100  
53 110.6 85.9 128.9  
89 41.7 36.2 54.4



#82  
4-Chlorotoluene  
Concen: 19.613 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion: 91 Resp: 188662  
Ion Ratio Lower Upper  
91 100  
126 32.4 16.3 48.9

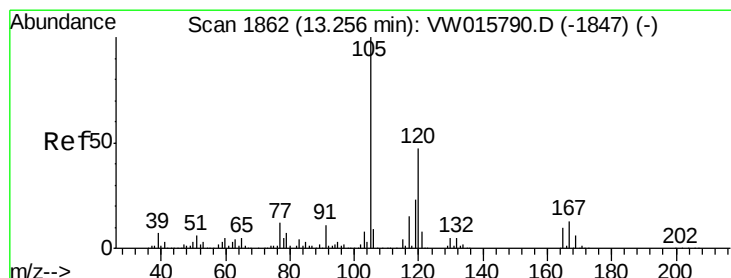
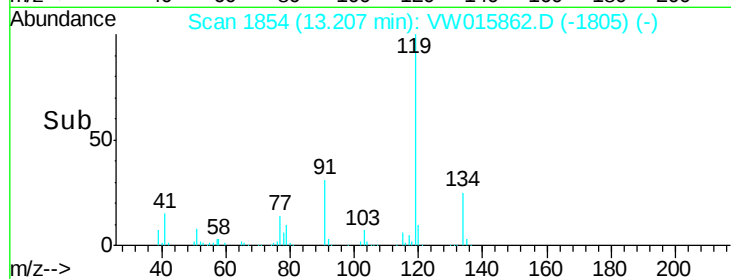
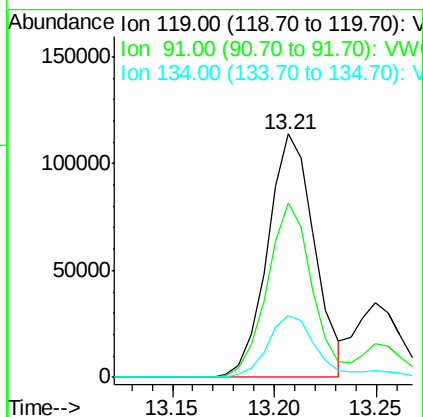
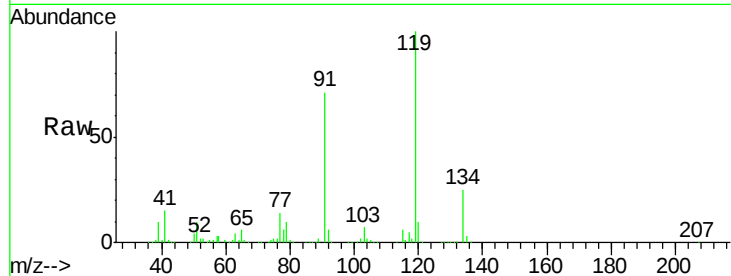




#83  
tert-Butylbenzene  
Concen: 19.317 ug/l  
RT: 13.21 min Scan# 1854  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

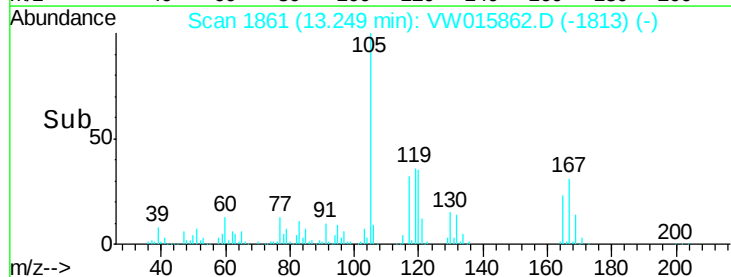
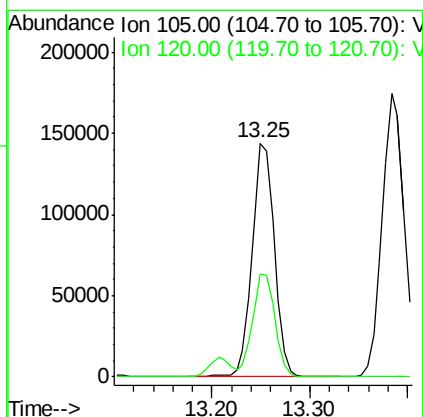
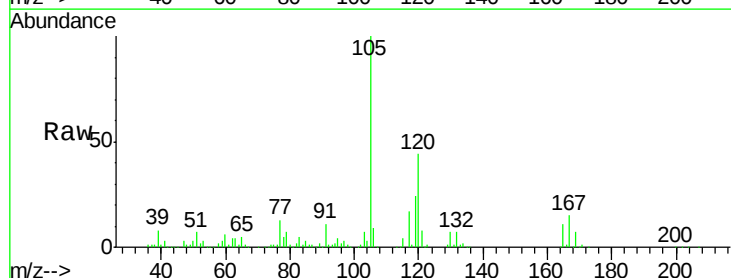
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBS01

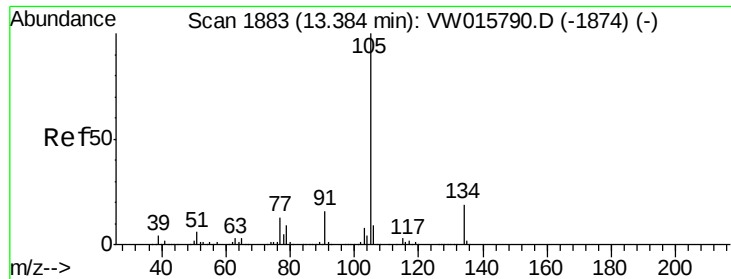
Tot Ion:119 Resp: 181889  
Ion Ratio Lower Upper  
119 100  
91 69.3 34.4 103.3  
134 25.4 13.6 40.7



#84  
1,2,4-Trimethylbenzene  
Concen: 20.118 ug/l  
RT: 13.25 min Scan# 1861  
Delta R.T. -0.01 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion:105 Resp: 227869  
Ion Ratio Lower Upper  
105 100  
120 44.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 19.928 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

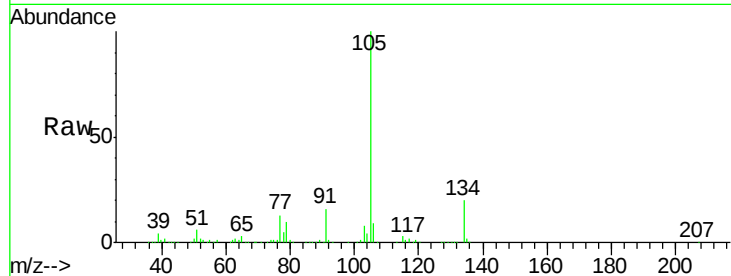
VW0716SBSD01

Tot Ion:105 Resp: 270990

Ion Ratio Lower Upper

105 100

134 19.8 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

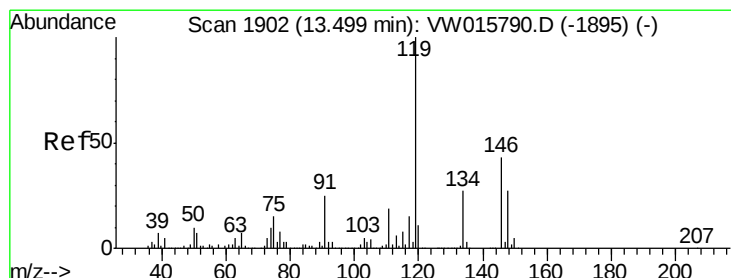
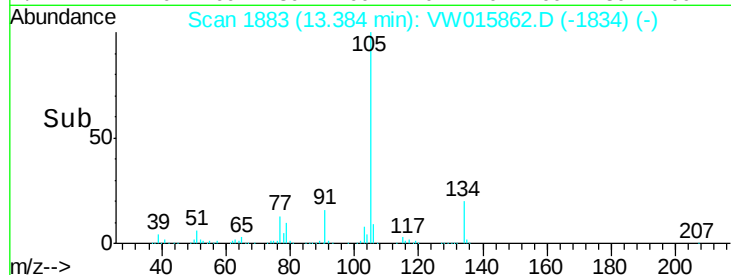
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.081 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

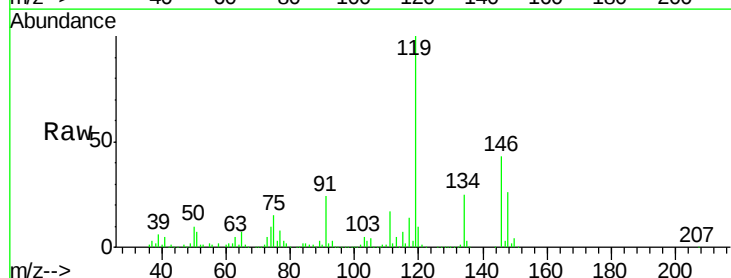
Tgt Ion:119 Resp: 249355

Ion Ratio Lower Upper

119 100

134 25.4 13.2 39.6

91 23.9 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

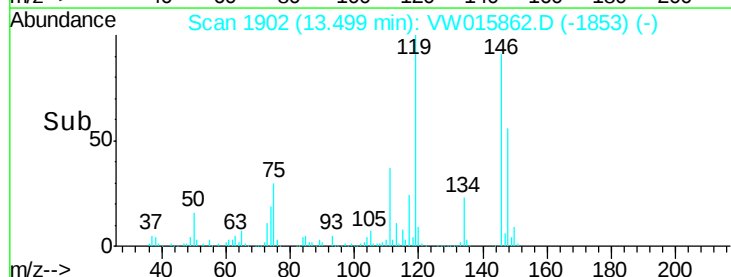
150000

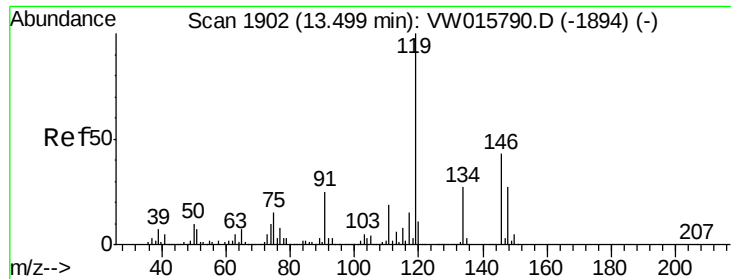
100000

50000

0

Time-->

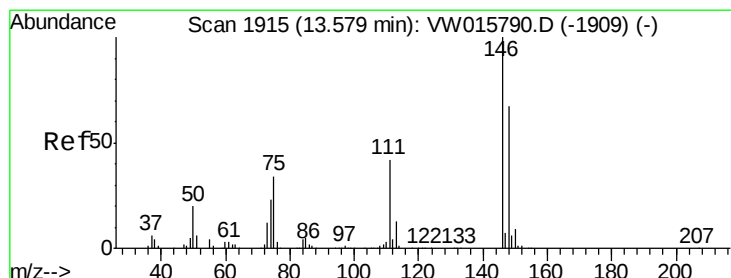
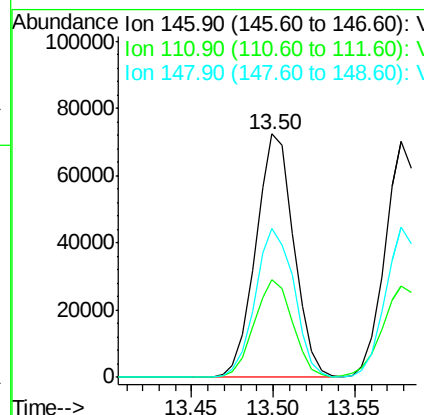
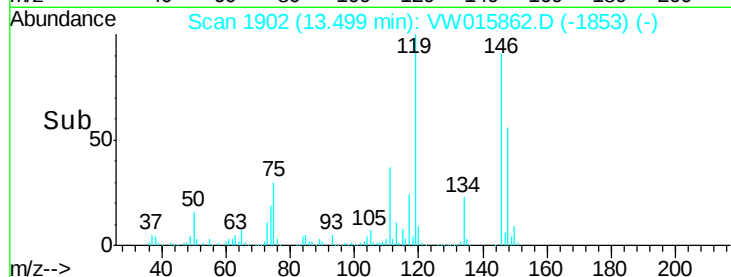
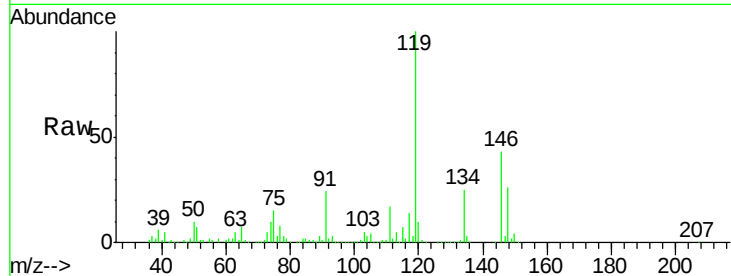




#87  
 1,3-Dichlorobenzene  
 Concen: 19.618 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

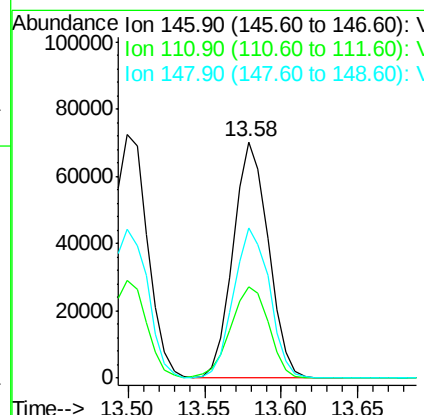
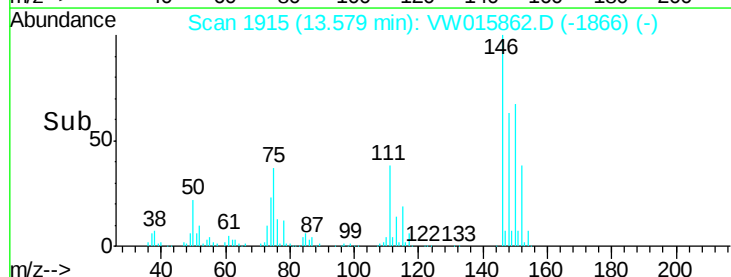
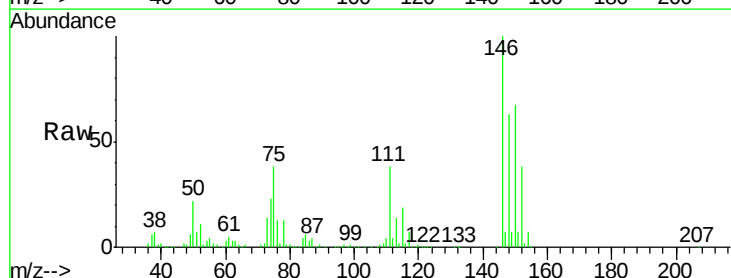
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

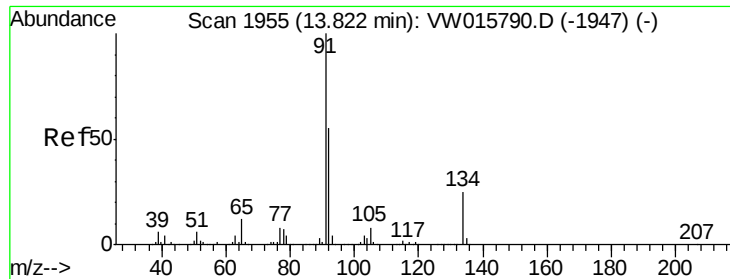
Tot Ion:146 Resp: 117346  
 Ion Ratio Lower Upper  
 146 100  
 111 40.5 20.8 62.4  
 148 62.5 31.4 94.2



#88  
 1,4-Dichlorobenzene  
 Concen: 19.205 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Tgt Ion:146 Resp: 112457  
 Ion Ratio Lower Upper  
 146 100  
 111 41.8 20.2 60.6  
 148 64.8 31.8 95.4





#89

n-Butylbenzene

Concen: 20.213 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

VW0716SBS01

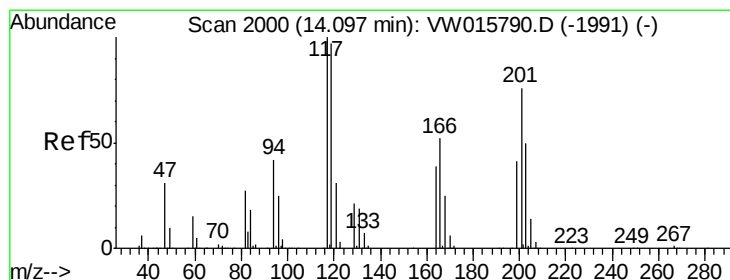
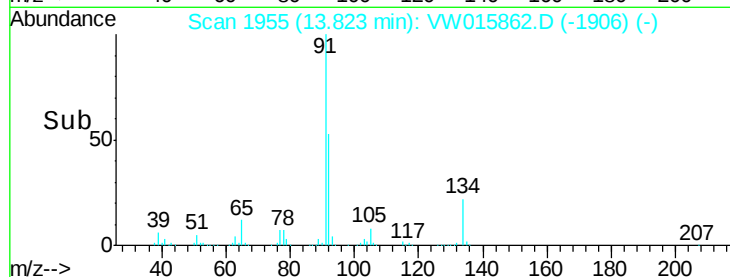
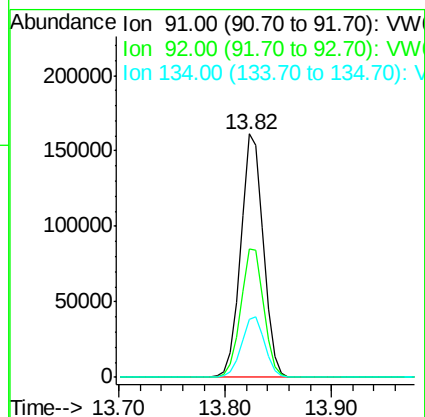
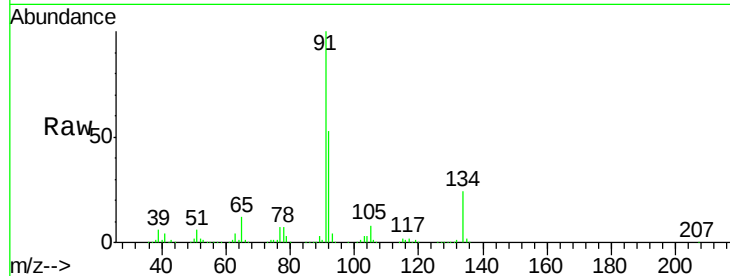
Tot Ion: 91 Resp: 240198

Ion Ratio Lower Upper

91 100

92 53.9 27.2 81.6

134 25.4 12.7 38.1



#90

Hexachloroethane

Concen: 18.983 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW015862.D

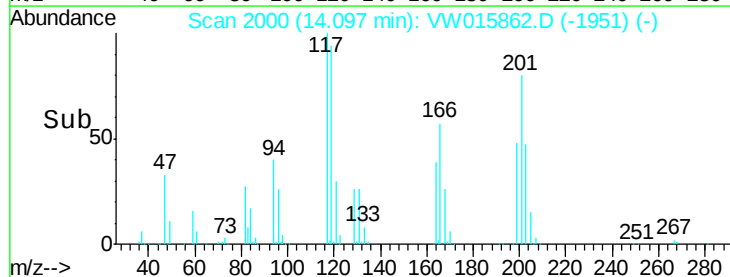
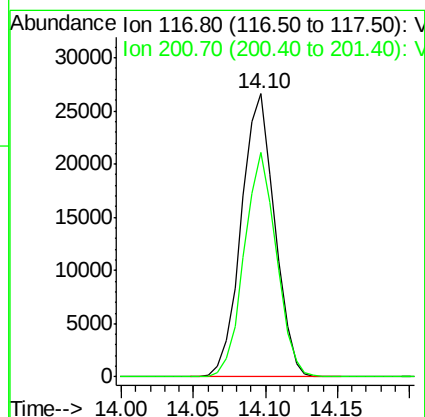
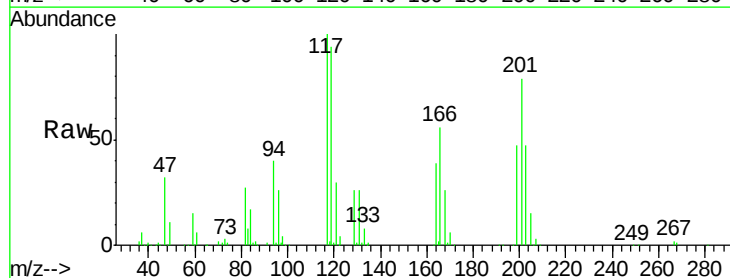
Acq: 16 Jul 2020 15:07

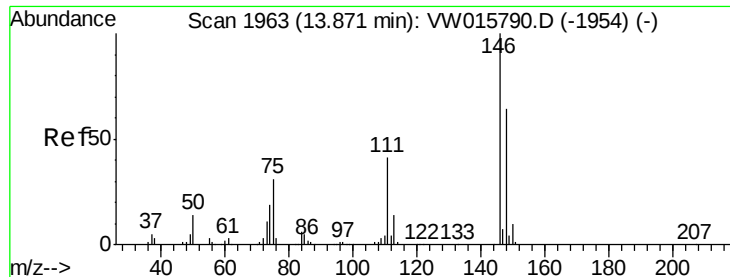
Tgt Ion: 117 Resp: 42726

Ion Ratio Lower Upper

117 100

201 76.1 37.1 111.3





#91

1,2-Dichlorobenzene

Concen: 19.499 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

Instrument :

MSVOA\_W

ClientSampleId :

VW0716SBSD01

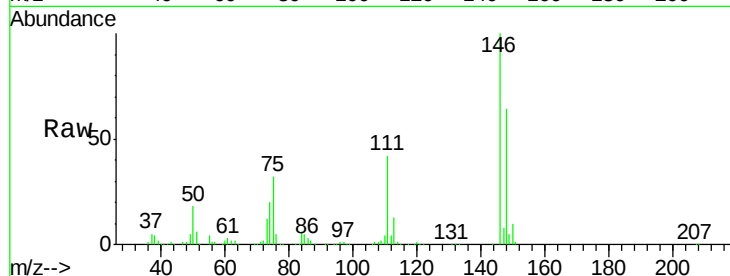
Tot Ion:146 Resp: 101045

Ion Ratio Lower Upper

146 100

111 42.7 20.6 61.9

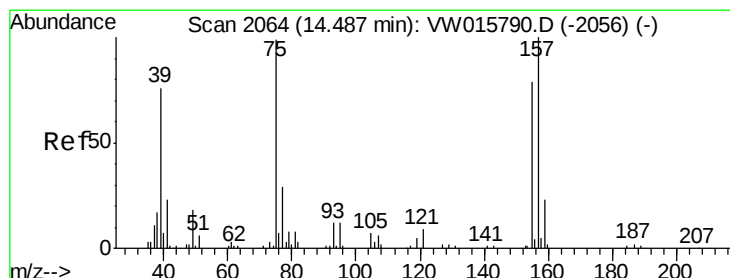
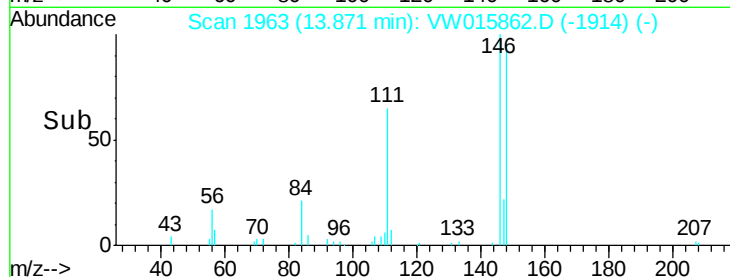
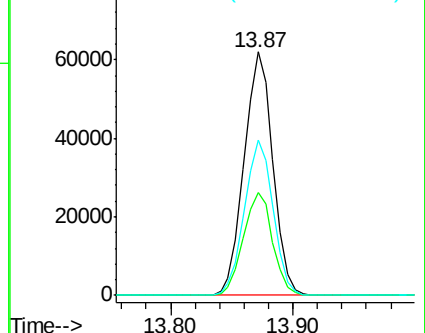
148 63.8 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.513 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW015862.D

Acq: 16 Jul 2020 15:07

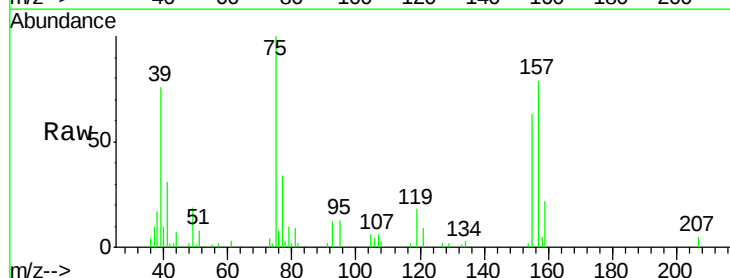
Tgt Ion: 75 Resp: 6894

Ion Ratio Lower Upper

75 100

155 76.5 39.1 117.5

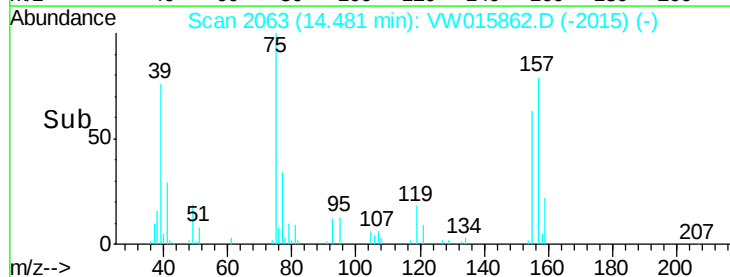
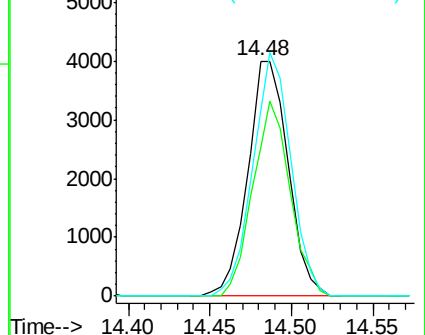
157 96.9 49.1 147.4

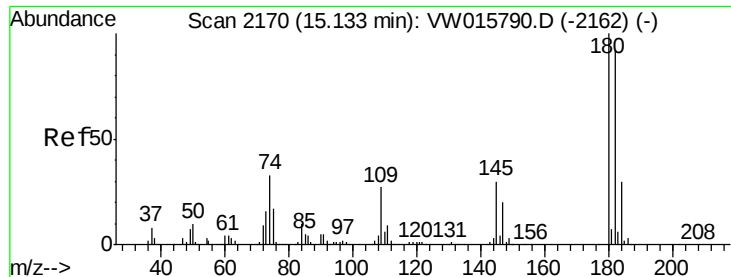


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

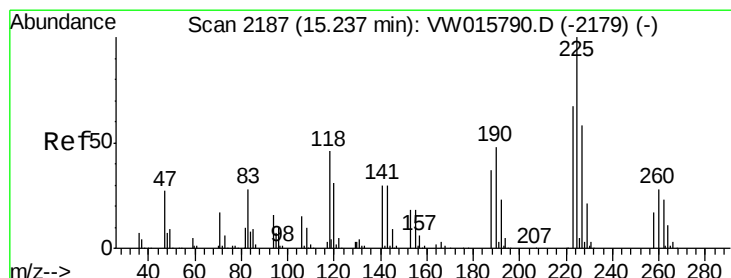
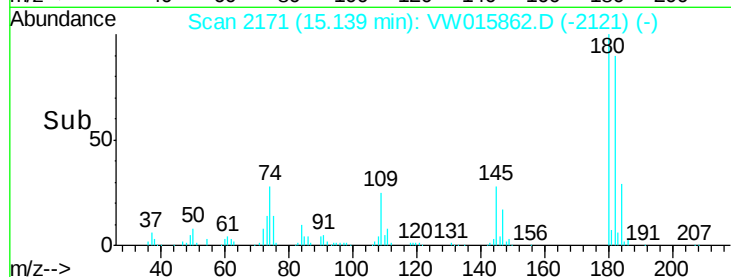
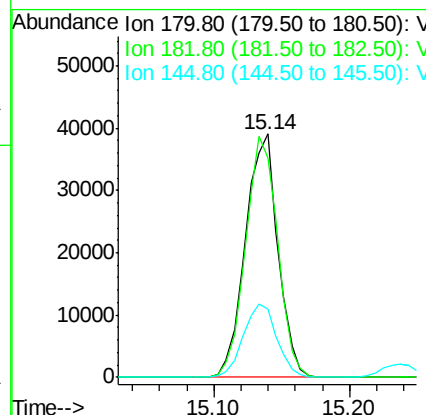
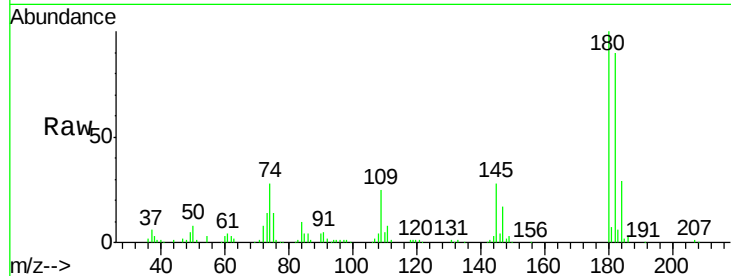




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.987 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.01 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

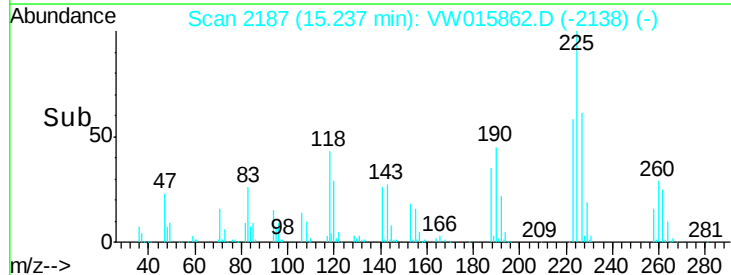
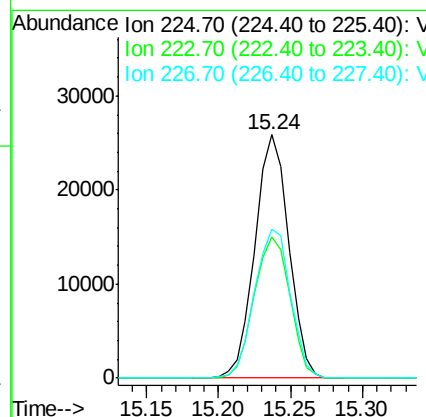
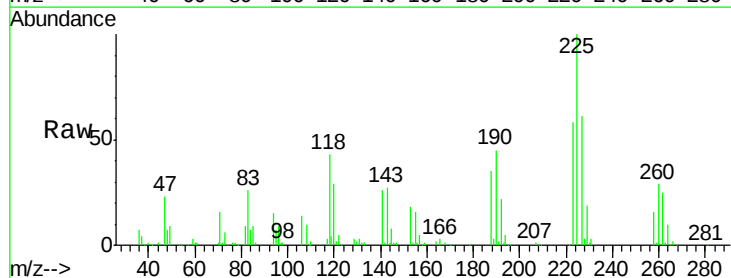
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0716SBSD01

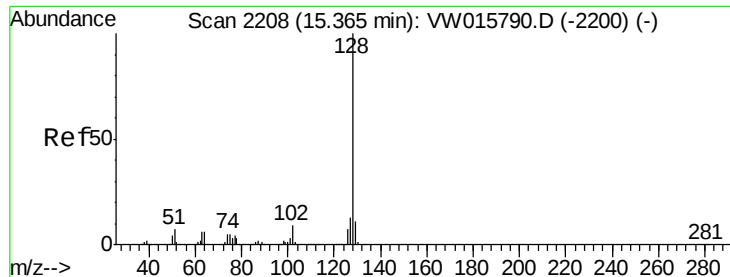
Tot Ion:180 Resp: 65298  
 Ion Ratio Lower Upper  
 180 100  
 182 98.0 46.8 140.3  
 145 30.9 15.4 46.4



#94  
 Hexachlorobutadiene  
 Concen: 20.223 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. 0.00 min  
 Lab File: VW015862.D  
 Acq: 16 Jul 2020 15:07

Tgt Ion:225 Resp: 41949  
 Ion Ratio Lower Upper  
 225 100  
 223 61.4 32.4 97.2  
 227 65.1 30.7 92.1

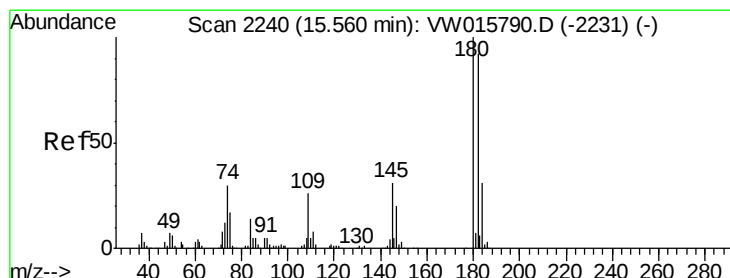
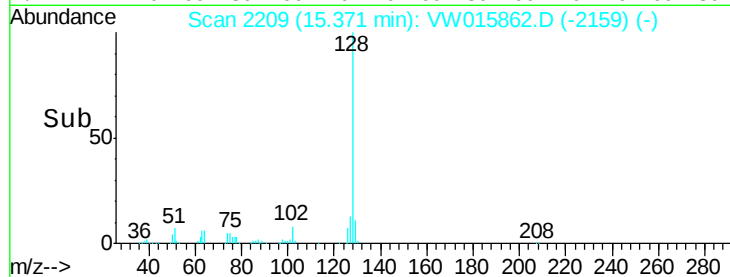
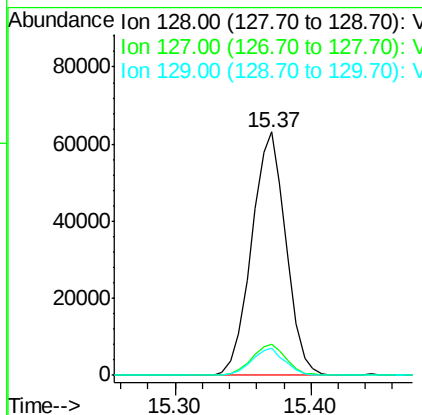
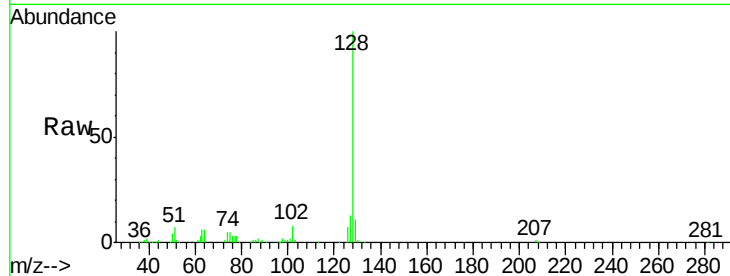




#95  
Naphthalene  
Concen: 20.072 ug/l  
RT: 15.37 min Scan# 2209  
Delta R.T. 0.01 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0716SBSD01

Tot Ion:128 Resp: 111607  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 16.0  
129 10.8 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 21.016 ug/l  
RT: 15.56 min Scan# 2240  
Delta R.T. 0.00 min  
Lab File: VW015862.D  
Acq: 16 Jul 2020 15:07

Tgt Ion:180 Resp: 58424  
Ion Ratio Lower Upper  
180 100  
182 94.9 47.7 143.1  
145 31.6 16.7 50.0

