

Data File : VW013152.D  
Acq On : 19 Sep 2019 11:03  
Operator : SY/VA  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Quant Time: Sep 20 07:41:01 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 13 17:26:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 323674   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 462660   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 390204   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 199742   | 50.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 128763   | 43.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.14%  |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 129827   | 51.71 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.42% |      |
| 50) Toluene-d8            | 10.32  | 98  | 524003   | 53.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.68% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 181018   | 51.25 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.50% |      |

#### Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 55668   | 44.436  | ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50  | 75755   | 48.491  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.36 | 62  | 111789  | 48.252  | ug/l   | 98     |
| 5) Bromomethane               | 2.78 | 94  | 69036   | 48.795  | ug/l   | 97     |
| 6) Chloroethane               | 2.92 | 64  | 71134   | 50.062  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 83066   | 51.273  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.68 | 74  | 68687   | 54.297  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101 | 135063  | 54.967  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.28 | 142 | 180037  | 58.546  | ug/l   | 93     |
| 11) Tert butyl alcohol        | 5.18 | 59  | 49530   | 245.021 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 123989  | 55.496  | ug/l   | 96     |
| 13) Acrolein                  | 3.90 | 56  | 59351   | 269.876 | ug/l   | 99     |
| 14) Allyl chloride            | 4.67 | 41  | 217103  | 51.186  | ug/l   | 91     |
| 15) Acrylonitrile             | 5.37 | 53  | 177507  | 274.734 | ug/l   | 99     |
| 16) Acetone                   | 4.14 | 43  | 175601  | 272.472 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.38 | 76  | 221704  | 49.795  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.67 | 43  | 83284   | 48.901  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 236905  | 53.718  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.92 | 84  | 139707  | 58.756  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 131906  | 55.124  | ug/l   | 96     |
| 22) Diisopropyl ether         | 6.31 | 45  | 468357  | 53.154  | ug/l   | 96     |
| 23) Vinyl Acetate             | 6.26 | 43  | 1390502 | 263.480 | ug/l   | 96     |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 265197  | 52.201  | ug/l   | 97     |
| 25) 2-Butanone                | 7.17 | 43  | 239461  | 251.919 | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 176738  | 55.275  | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 161685  | 56.438  | ug/l   | 91     |
| 28) Bromochloromethane        | 7.51 | 49  | 109481  | 51.200  | ug/l   | 91     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 141575  | 261.400 | ug/l   | 96     |
| 30) Chloroform                | 7.67 | 83  | 265269  | 51.389  | ug/l   | 98     |
| 31) Cyclohexane               | 7.95 | 56  | 210905  | 55.796  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 214469  | 50.451  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 193561  | 52.355  | ug/l   | 96     |
| 37) Ethyl Acetate             | 7.25 | 43  | 99881   | 50.899  | ug/l # | 95     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 192552  | 50.823  | ug/l   | 97     |

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VSTDCCC050

Quant Time: Sep 20 07:41:01 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 13 17:26:01 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 226669   | 55.951   | ug/l   | 95       |
| 40) Benzene                    | 8.32  | 78   | 572942   | 55.513   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 60448    | 46.776   | ug/l   | 91       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 163690   | 47.312   | ug/l   | 94       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 189995   | 50.426   | ug/l   | 96       |
| 44) Trichloroethene            | 9.09  | 130  | 159319   | 56.356   | ug/l   | 90       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 153023   | 55.805   | ug/l   | 100      |
| 46) Dibromomethane             | 9.46  | 93   | 71277    | 54.255   | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.64  | 83   | 197432   | 53.576   | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.43  | 41   | 88224    | 49.892   | ug/l   | 91       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 25524    | 1159.473 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 501798   | 257.964  | ug/l   | 95       |
| 52) Toluene                    | 10.38 | 92   | 375296   | 57.224   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 201052   | 54.249   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 236003   | 55.654   | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 114829   | 57.376   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 154425   | 57.325   | ug/l   | 90       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 198101   | 55.800   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 404426   | 279.866  | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.97 | 43   | 358798   | 264.898  | ug/l   | 94       |
| 60) Dibromochloromethane       | 11.13 | 129  | 136068   | 56.235   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 105940   | 58.027   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.86 | 164  | 131461   | 56.631   | ug/l   | 92       |
| 65) Chlorobenzene              | 11.66 | 112  | 408696   | 58.802   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 150016   | 56.322   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.73 | 91   | 744513   | 57.999   | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.84 | 106  | 561748   | 119.791  | ug/l   | 95       |
| 69) o-Xylene                   | 12.16 | 106  | 263119   | 59.849   | ug/l   | 95       |
| 70) Styrene                    | 12.18 | 104  | 471547   | 60.295   | ug/l   | 97       |
| 71) Bromoform                  | 12.35 | 173  | 81997    | 58.608   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.46 | 105  | 761721   | 57.534   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 180595   | 53.027   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 138516   | 59.568   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 170349   | 97.366   | ug/l # | 100      |
| 77) Bromobenzene               | 12.75 | 156  | 177433   | 58.174   | ug/l   | 94       |
| 78) n-propylbenzene            | 12.80 | 91   | 878346   | 56.400   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 499189   | 55.759   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 628889   | 56.148   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 44018    | 57.073   | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 520713   | 55.126   | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 572636   | 57.158   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 629199   | 56.849   | ug/l   | 97       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 788225   | 57.747   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.50 | 119  | 728656   | 58.144   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 345744   | 57.263   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 343246   | 57.850   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.82 | 91   | 667804   | 56.504   | ug/l   | 98       |
| 90) Hexachloroethane           | 14.09 | 117  | 125034   | 55.675   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 305502   | 57.537   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 20732    | 48.708   | ug/l   | 88       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW091919\  
Quantitation Report (Not Reviewed)

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Operator : SY/VA  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Fri Sep 13 17:26:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 221341   | 58.452 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 145428   | 54.251 | ug/l  | 97       |
| 95) Naphthalene            | 15.36 | 128  | 397126   | 62.766 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 198098   | 59.181 | ug/l  | 99       |

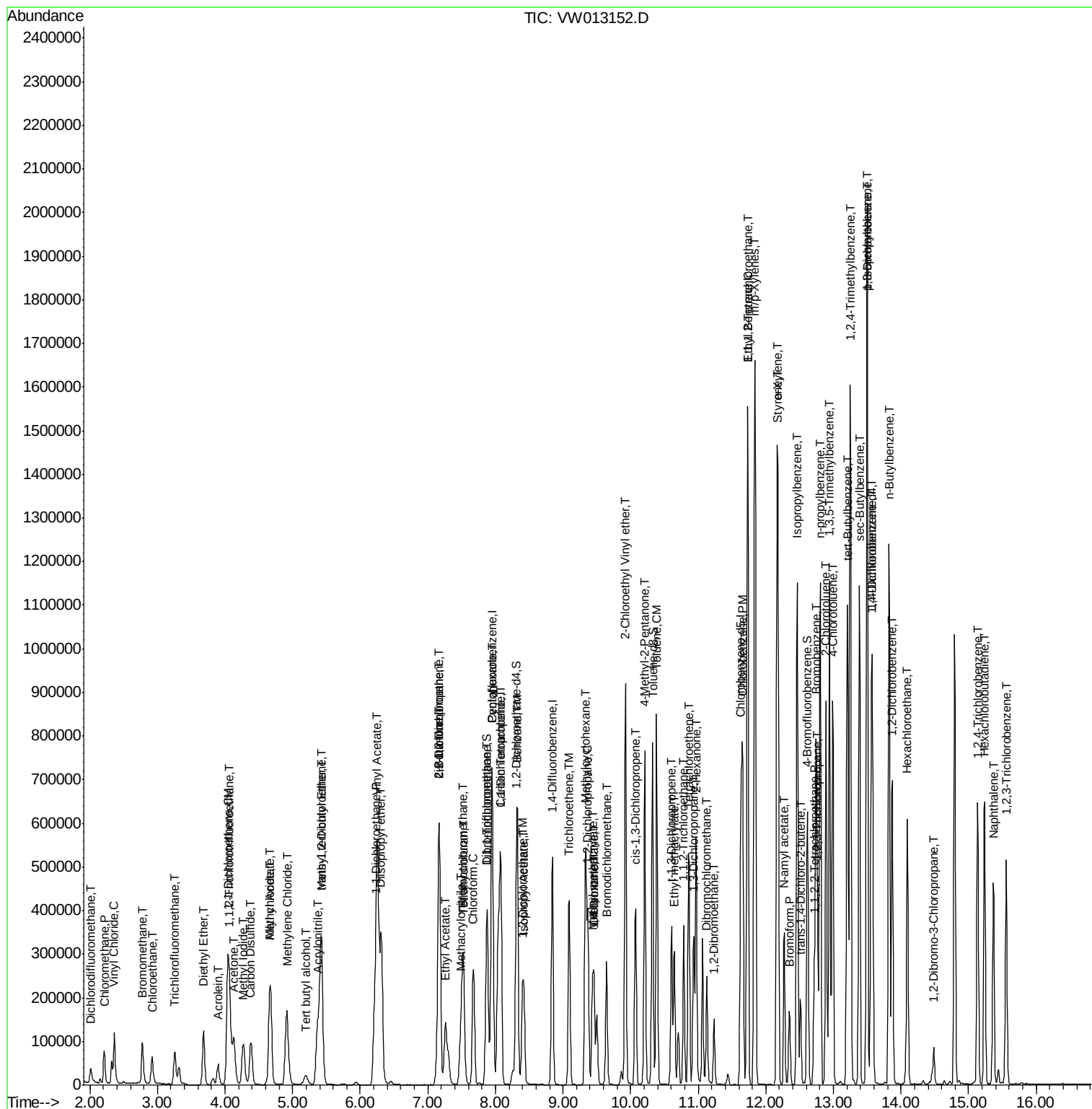
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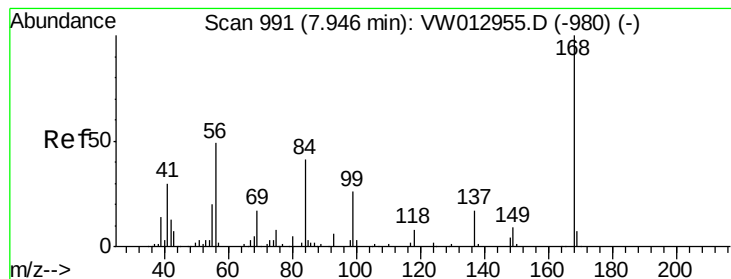
Data File : VW013152.D

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Acq On       : 19 Sep 2019   11:03
Operator     : SY/VA
Sample       : VSTDCCC050
Misc         : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial     : 2      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
VSTDCCC050

Quant Time: Sep 20 07:41:01 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 13 17:26:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

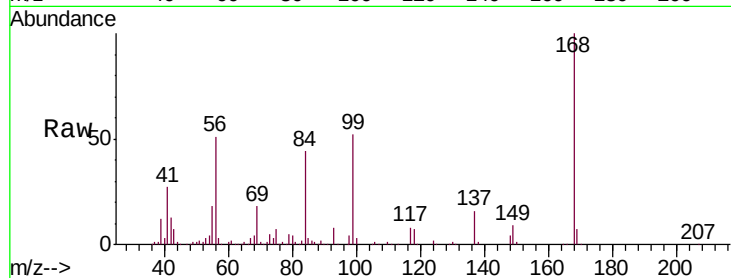
VSTDCCC050

Tgt Ion:168 Resp: 323674

Ion Ratio Lower Upper

168 100

99 51.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

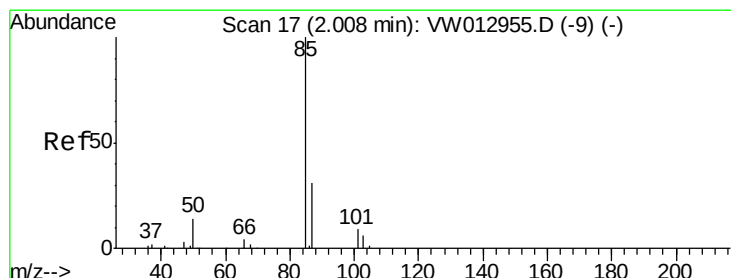
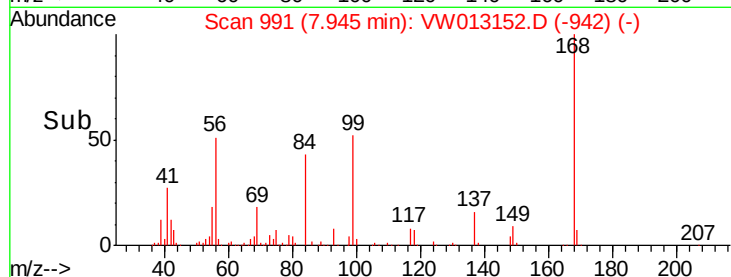
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.436 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013152.D

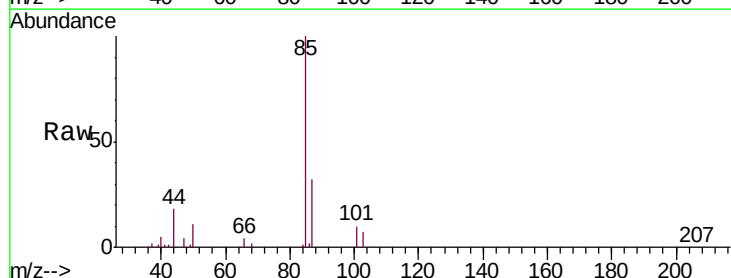
Acq: 19 Sep 2019 11:03

Tgt Ion: 85 Resp: 55668

Ion Ratio Lower Upper

85 100

87 32.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

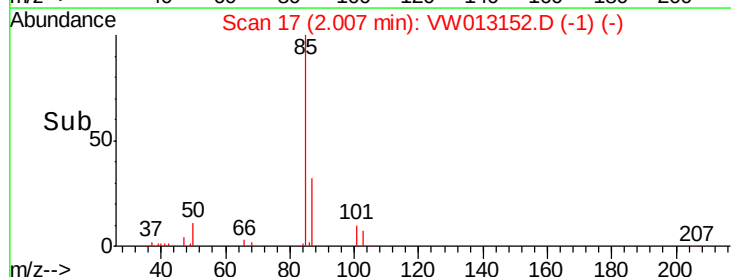
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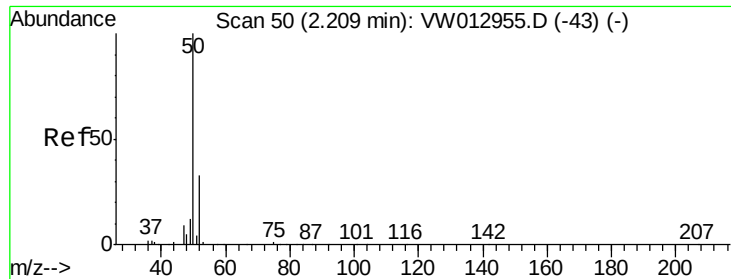
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Time-->





#3

Chloromethane

Concen: 48.491 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

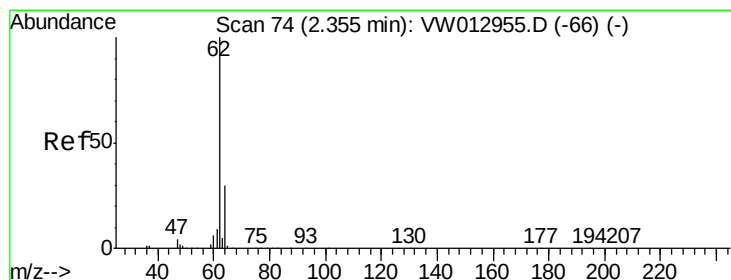
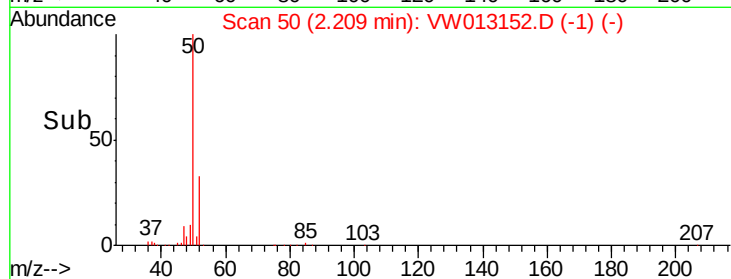
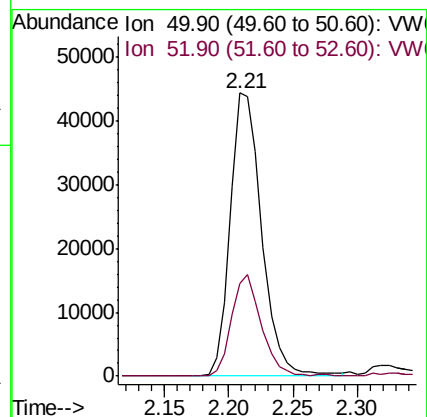
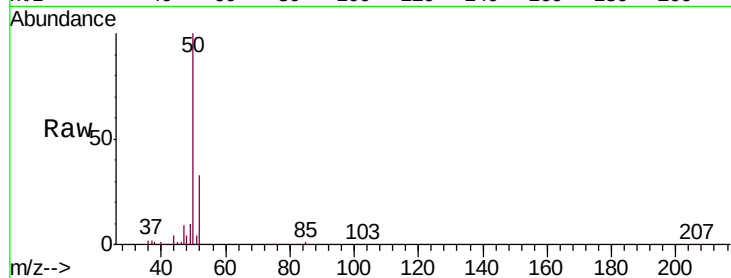
VSTDCCC050

Tgt Ion: 50 Resp: 75755

Ion Ratio Lower Upper

50 100

52 32.9 26.6 39.8



#4

Vinyl Chloride

Concen: 48.252 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013152.D

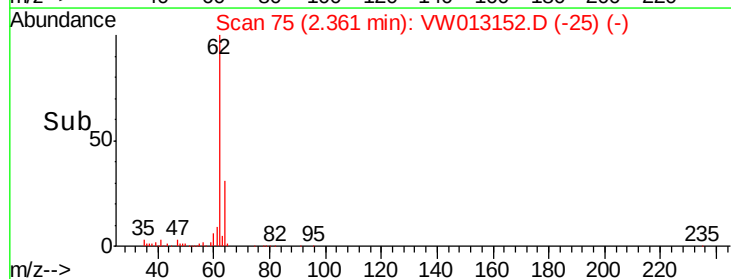
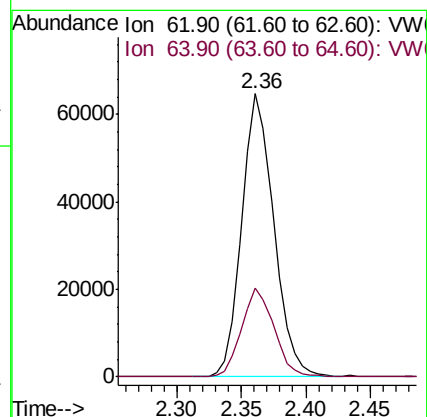
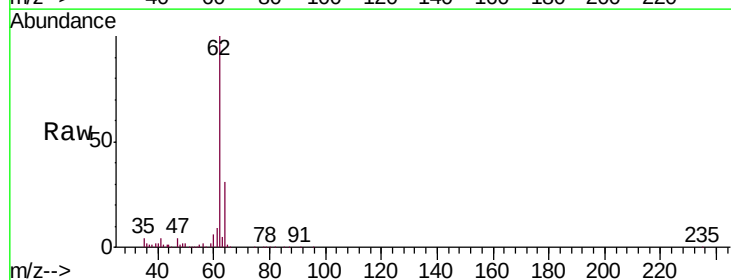
Acq: 19 Sep 2019 11:03

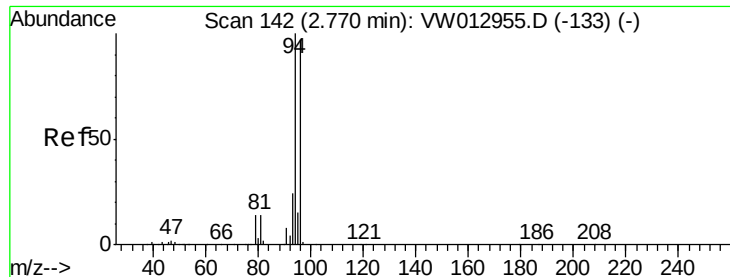
Tgt Ion: 62 Resp: 111789

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 48.795 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

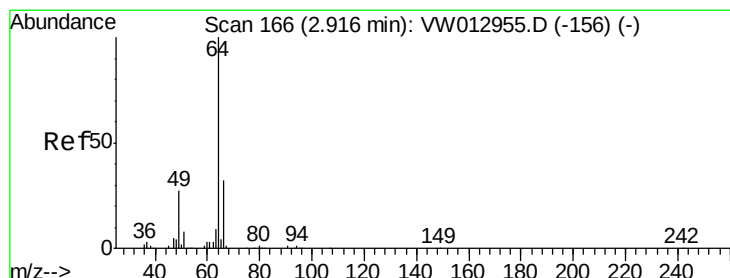
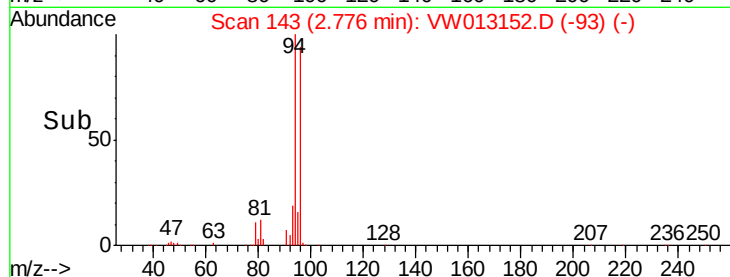
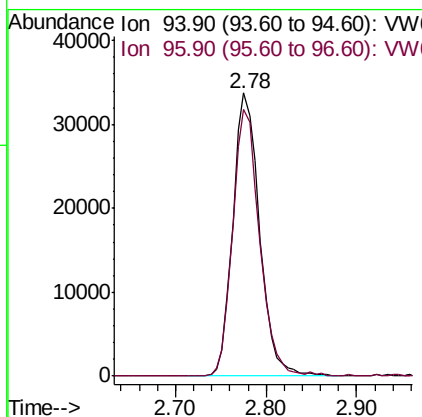
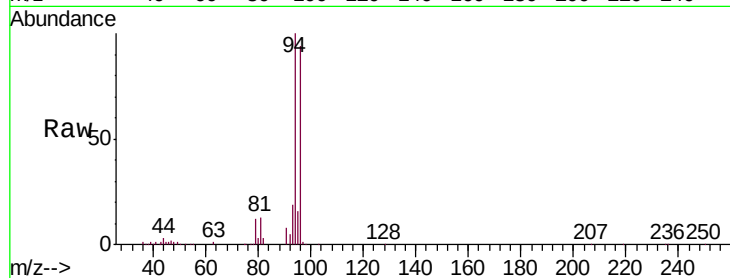
VSTDCCC050

Tgt Ion: 94 Resp: 69036

Ion Ratio Lower Upper

94 100

96 94.4 77.8 116.6



#6

Chloroethane

Concen: 50.062 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013152.D

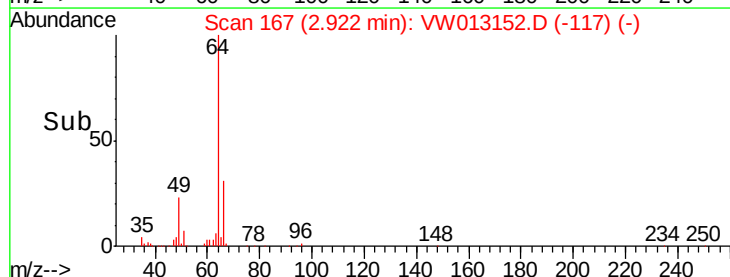
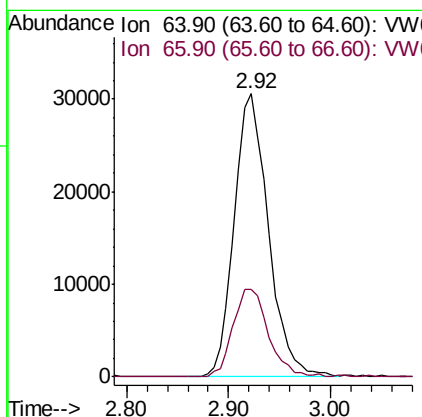
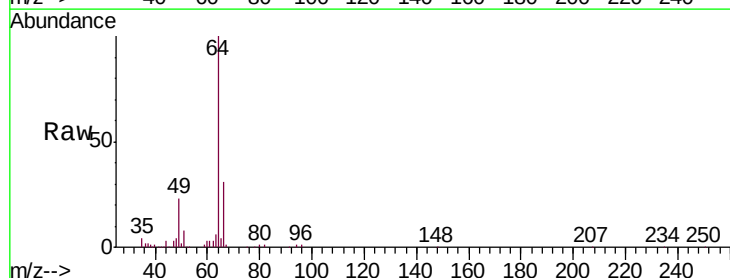
Acq: 19 Sep 2019 11:03

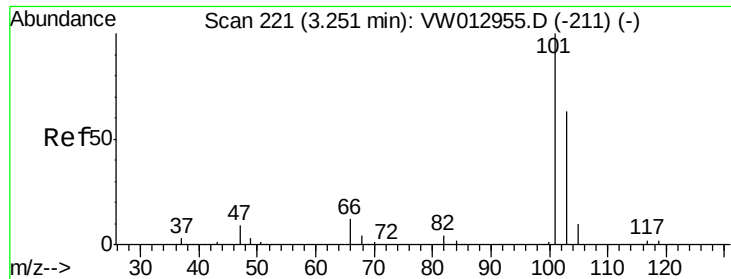
Tgt Ion: 64 Resp: 71134

Ion Ratio Lower Upper

64 100

66 31.0 25.9 38.9



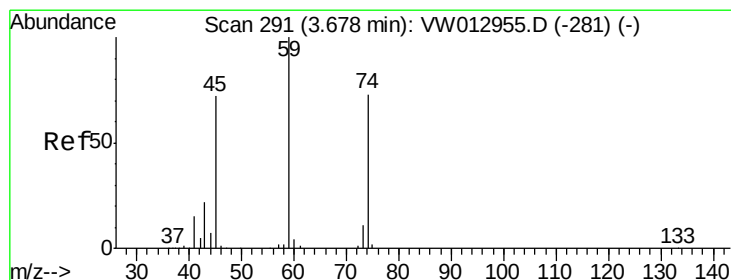
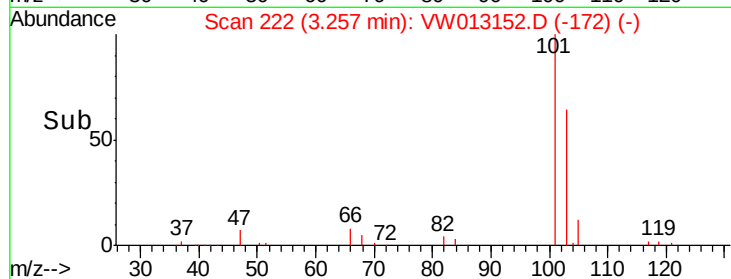
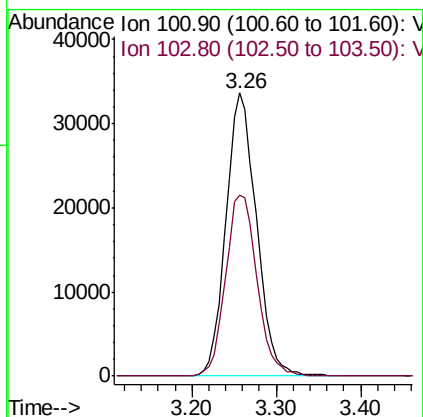
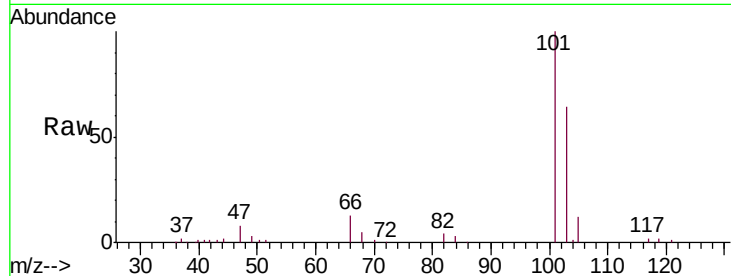


#7

Trichlorofluoromethane  
Concen: 51.273 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. 0.01 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

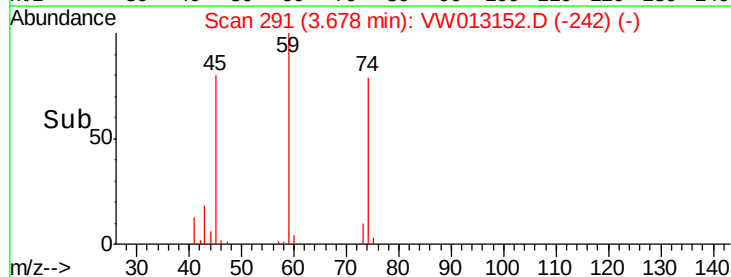
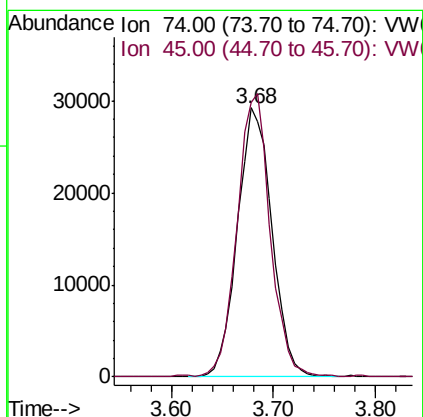
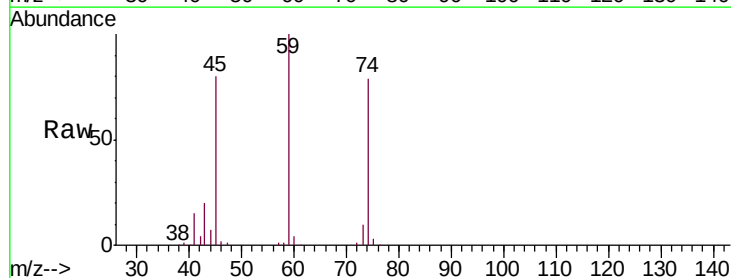
Tgt Ion:101 Resp: 83066  
Ion Ratio Lower Upper  
101 100  
103 63.9 50.7 76.1



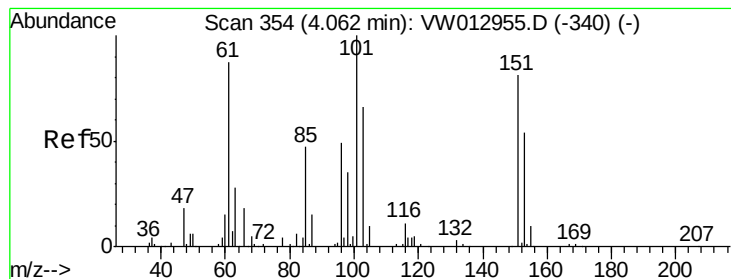
#8

Diethyl Ether  
Concen: 54.297 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 74 Resp: 68687  
Ion Ratio Lower Upper  
74 100  
45 100.7 53.8 161.4







#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.967 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

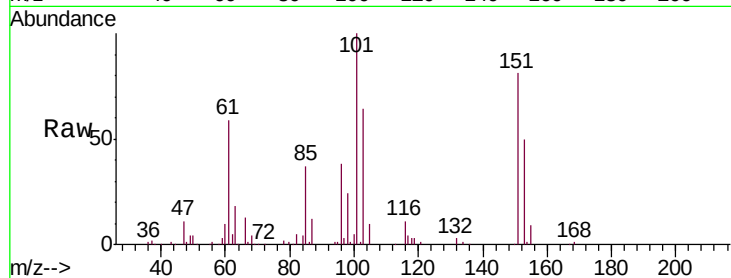
Tgt Ion:101 Resp: 135063

Ion Ratio Lower Upper

101 100

85 40.7 34.9 52.3

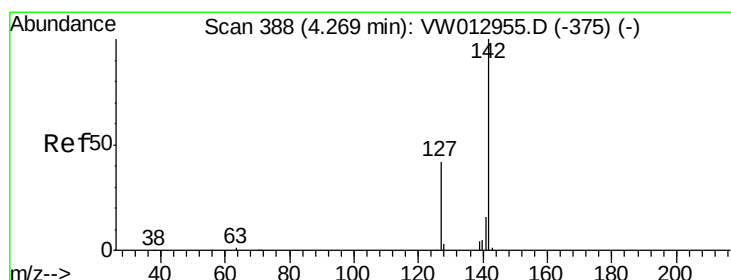
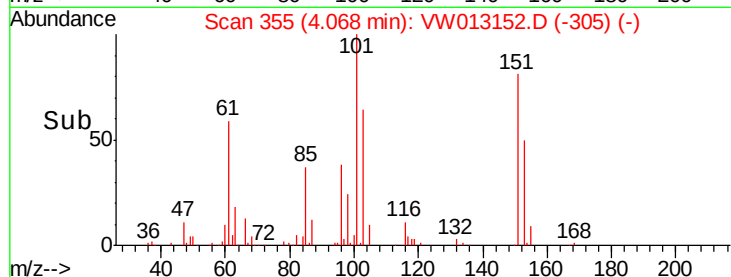
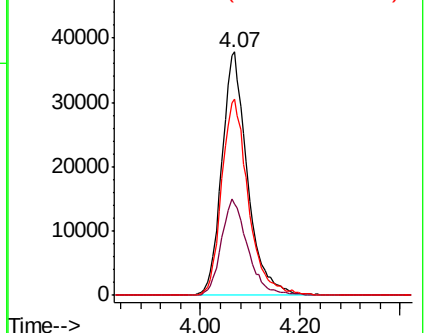
151 83.6 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 58.546 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

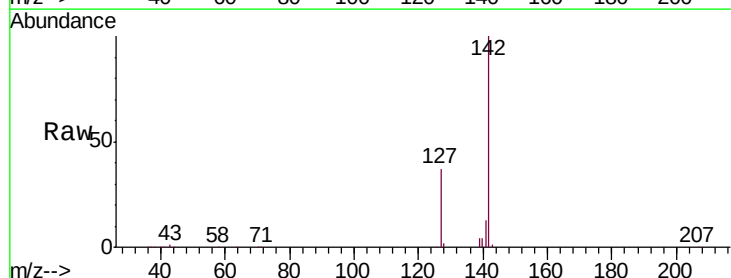
Tgt Ion:142 Resp: 180037

Ion Ratio Lower Upper

142 100

127 37.9 34.7 52.1

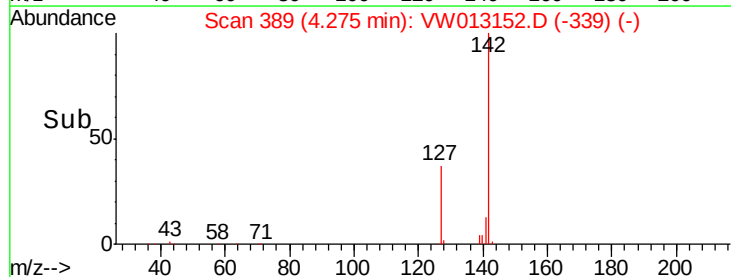
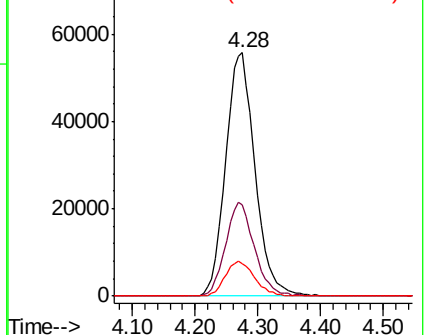
141 14.4 12.2 18.2

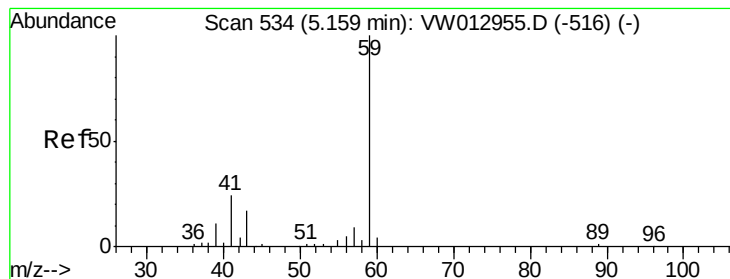


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



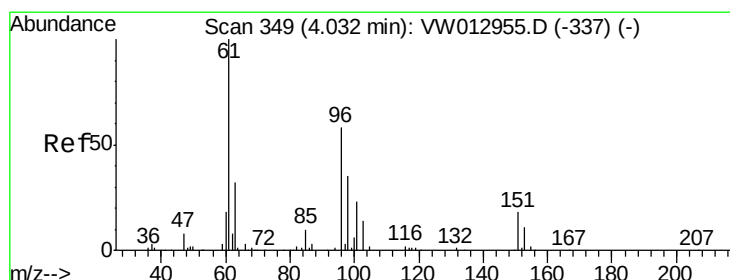
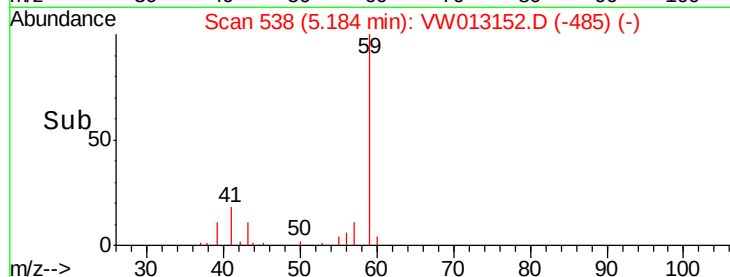
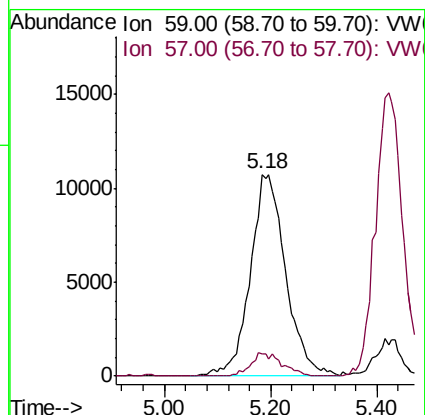
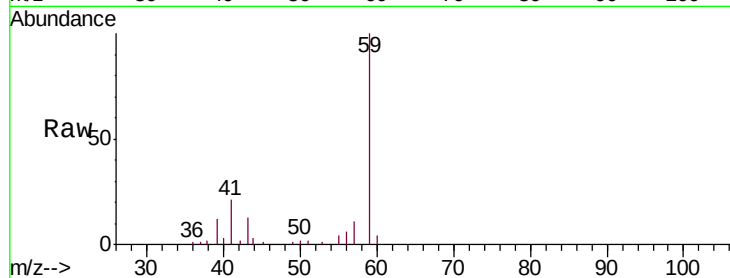


#11

Tert butyl alcohol  
 Concen: 245.021 ug/l  
 RT: 5.18 min Scan# 538  
 Delta R.T. 0.02 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

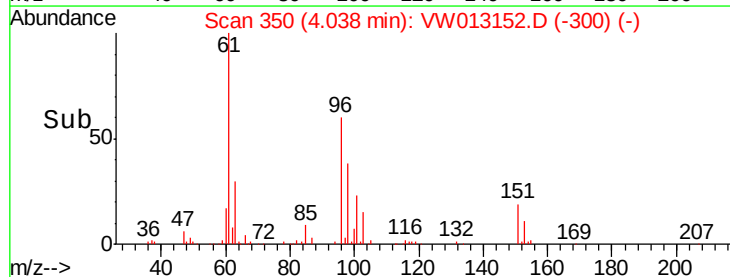
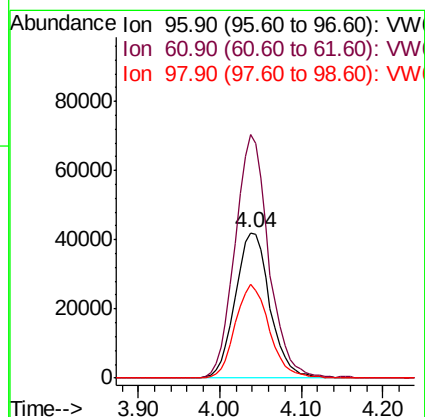
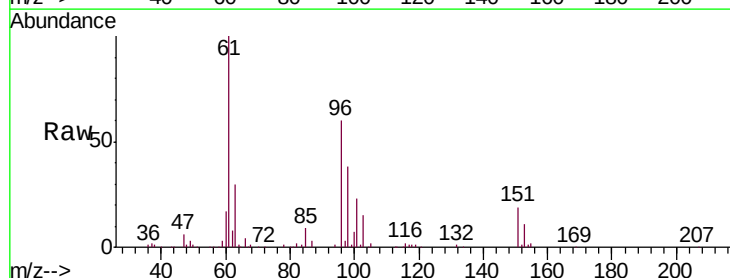
Tgt Ion: 59 Resp: 49530  
 Ion Ratio Lower Upper  
 59 100  
 57 10.2 8.5 12.7

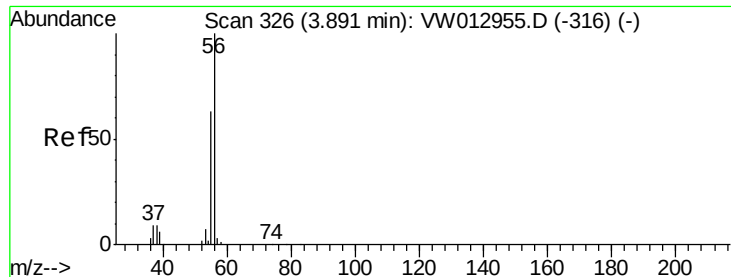


#12

1,1-Dichloroethene  
 Concen: 55.496 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. 0.01 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Tgt Ion: 96 Resp: 123989  
 Ion Ratio Lower Upper  
 96 100  
 61 167.5 137.9 206.9  
 98 64.2 48.9 73.3





#13

Acrolein

Concen: 269.876 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

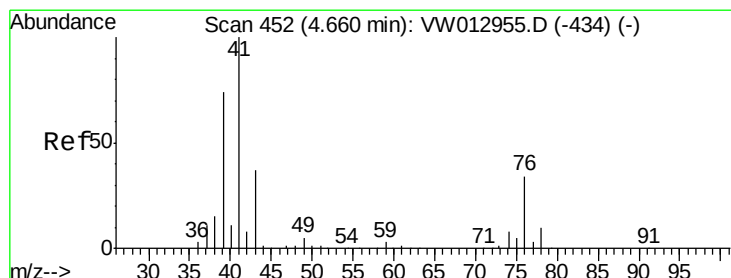
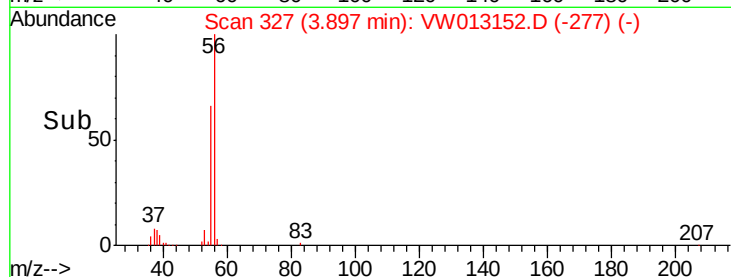
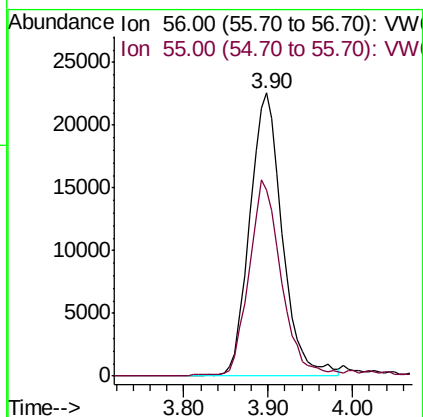
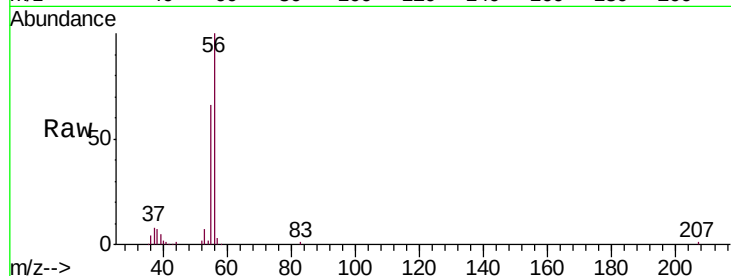
VSTDCCC050

Tgt Ion: 56 Resp: 59351

Ion Ratio Lower Upper

56 100

55 68.7 55.8 83.8



#14

Allyl chloride

Concen: 51.186 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

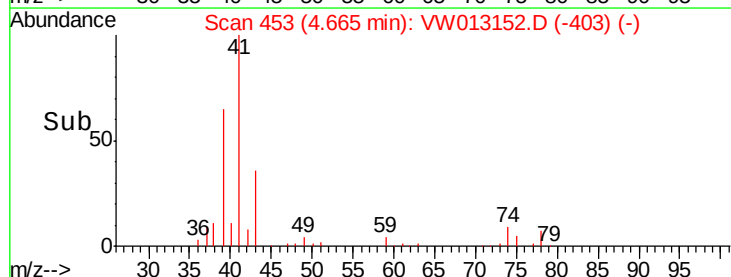
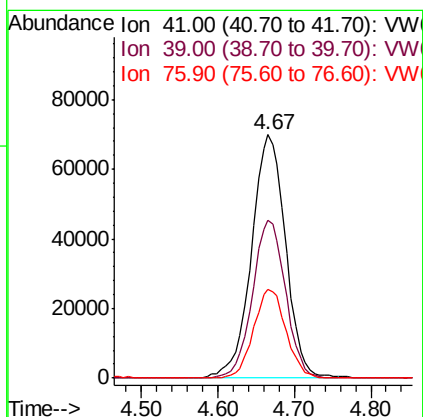
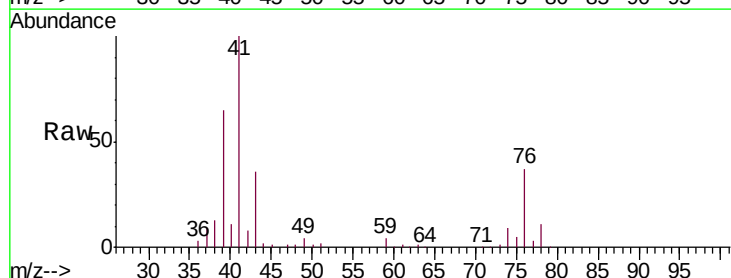
Tgt Ion: 41 Resp: 217103

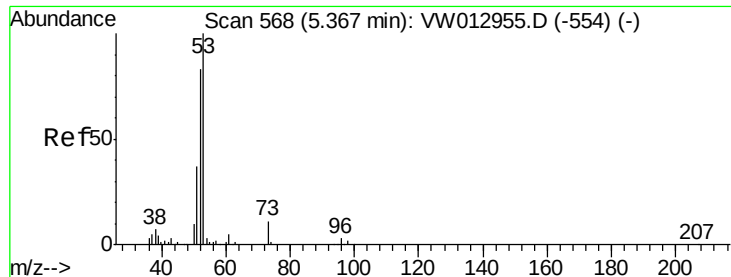
Ion Ratio Lower Upper

41 100

39 62.9 56.7 85.1

76 34.9 25.1 37.7





#15

Acrylonitrile

Concen: 274.734 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

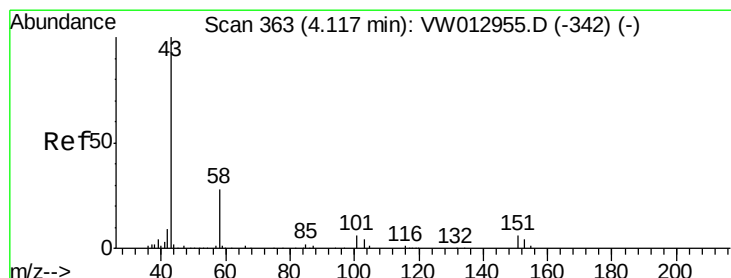
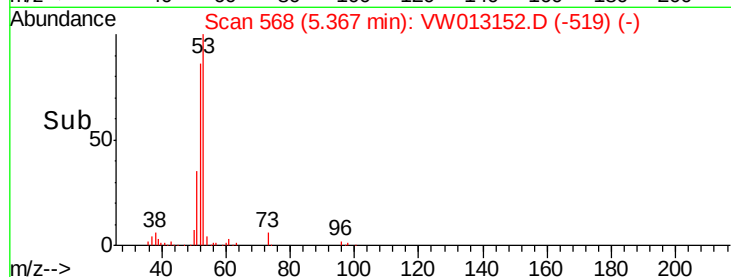
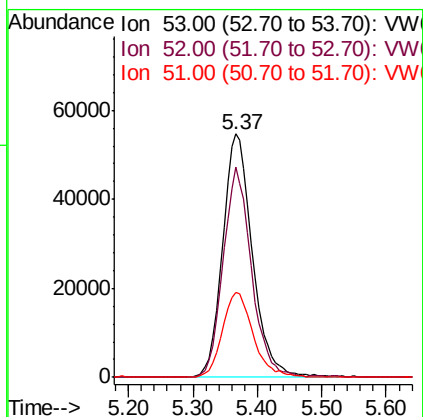
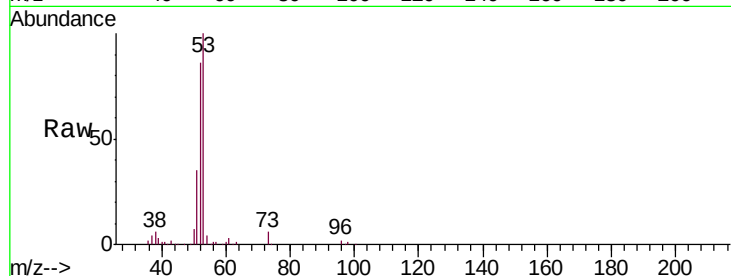
Tgt Ion: 53 Resp: 177507

Ion Ratio Lower Upper

53 100

52 82.2 66.6 100.0

51 36.0 29.8 44.8



#16

Acetone

Concen: 272.472 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013152.D

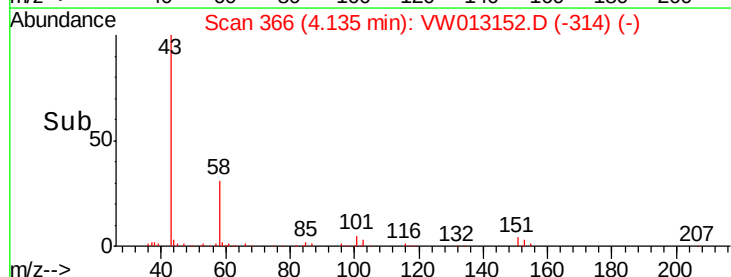
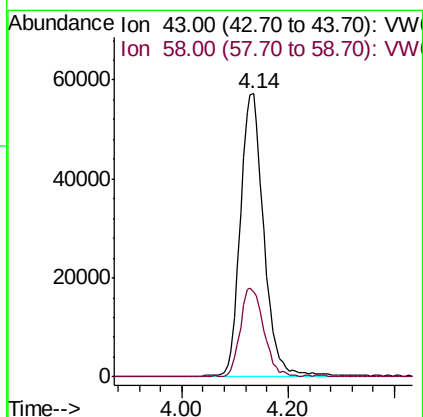
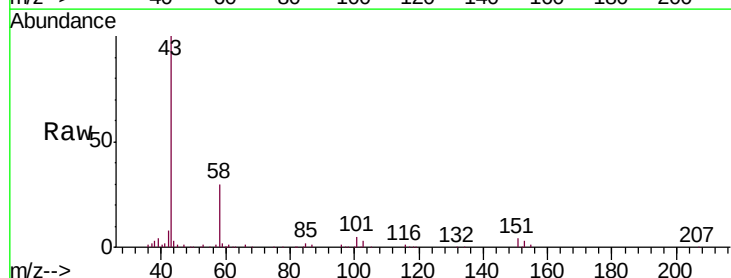
Acq: 19 Sep 2019 11:03

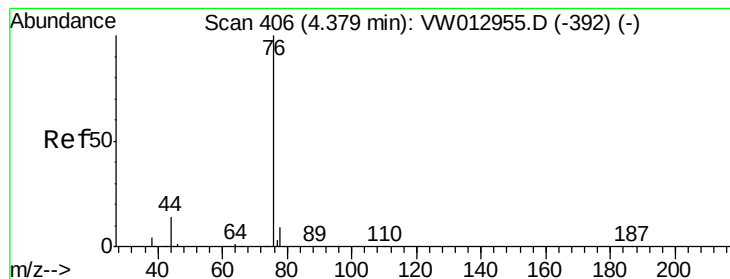
Tgt Ion: 43 Resp: 175601

Ion Ratio Lower Upper

43 100

58 30.1 22.3 33.5





#17

Carbon Disulfide

Concen: 49.795 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

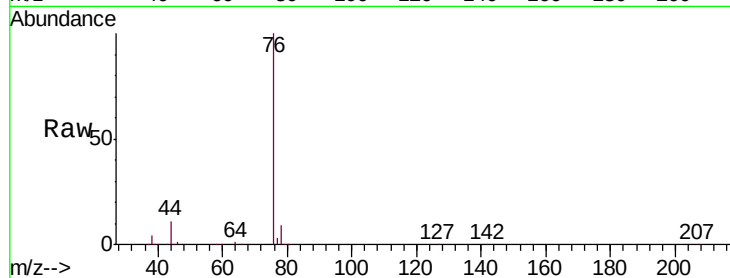
VSTDCCC050

Tgt Ion: 76 Resp: 221704

Ion Ratio Lower Upper

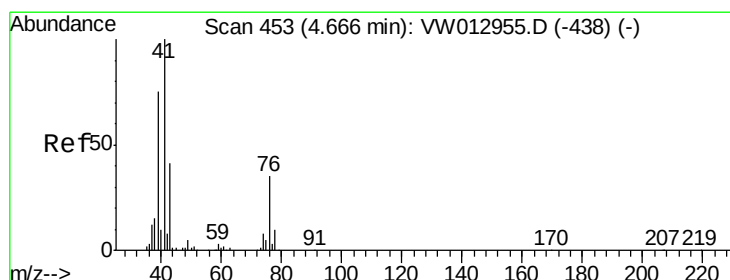
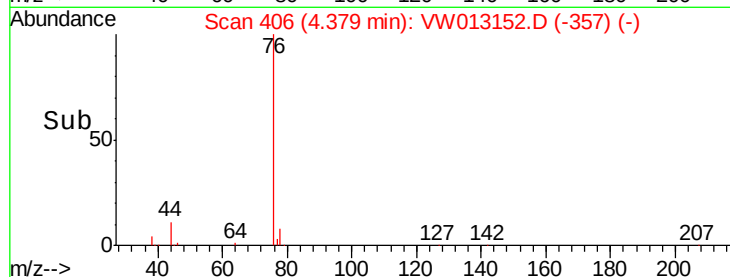
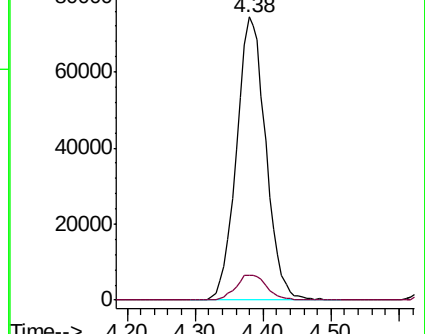
76 100

78 8.7 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 48.901 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013152.D

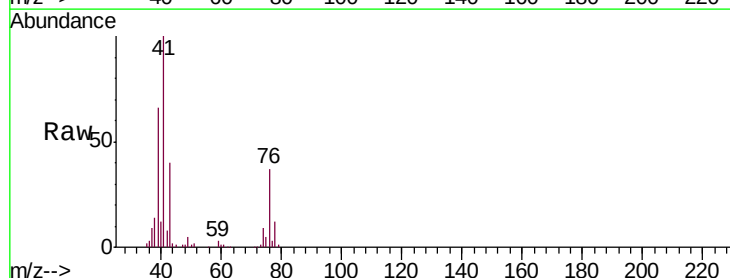
Acq: 19 Sep 2019 11:03

Tgt Ion: 43 Resp: 83284

Ion Ratio Lower Upper

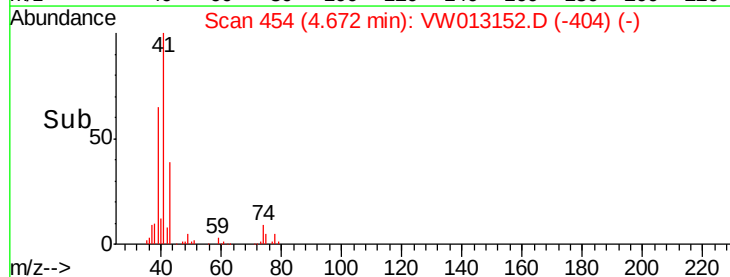
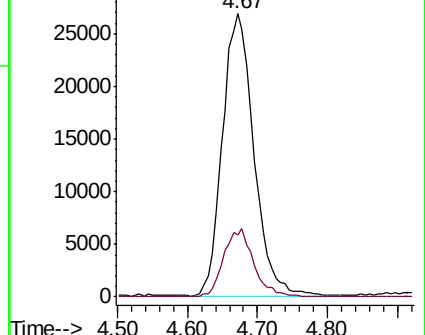
43 100

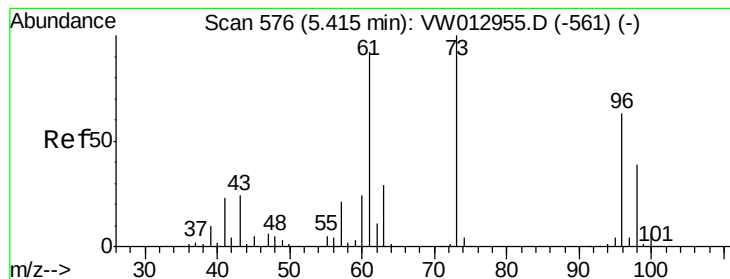
74 23.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 53.718 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

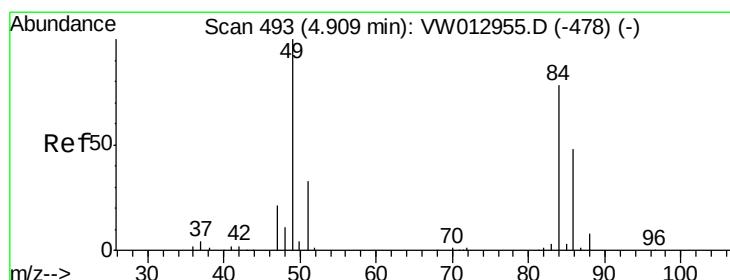
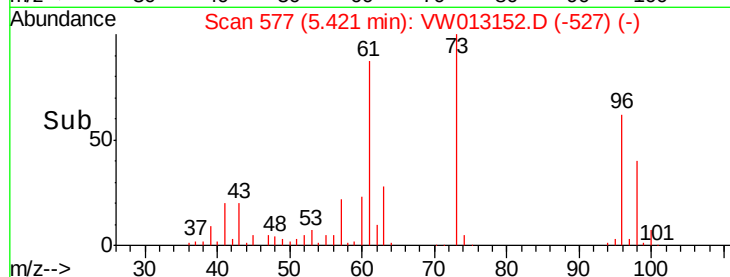
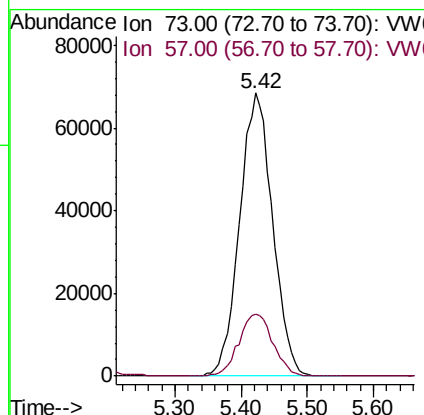
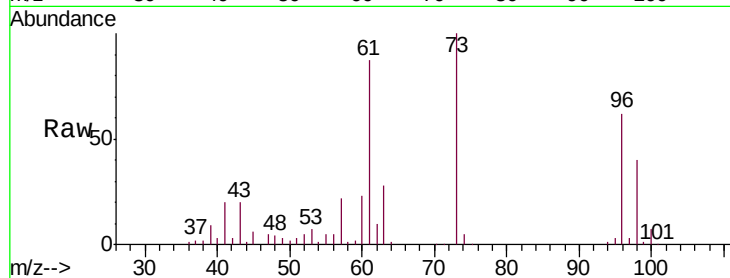
VSTDCCC050

Tgt Ion: 73 Resp: 236905

Ion Ratio Lower Upper

73 100

57 22.0 16.4 24.6



#20

Methylene Chloride

Concen: 58.756 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion: 84 Resp: 139707

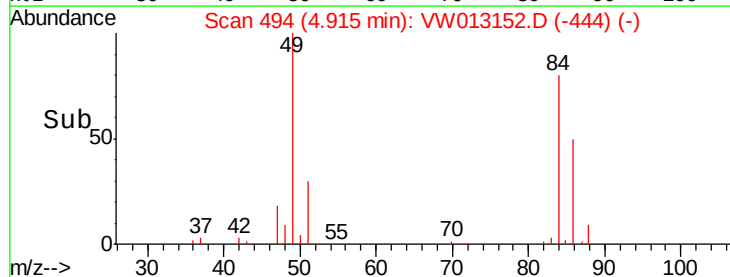
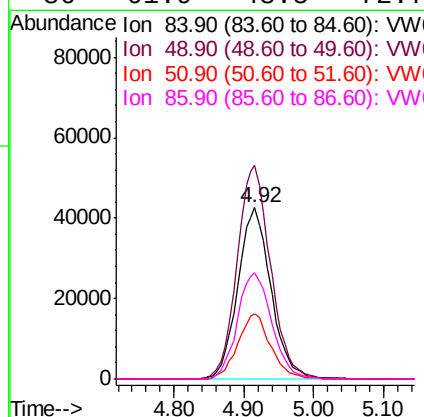
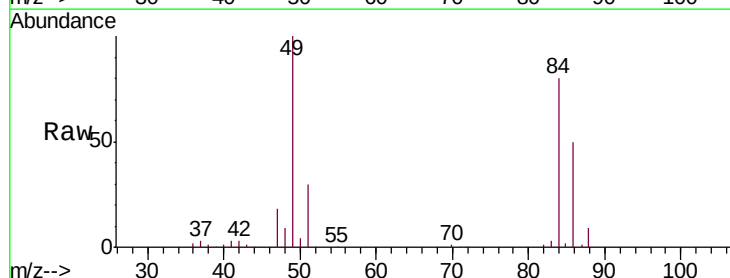
Ion Ratio Lower Upper

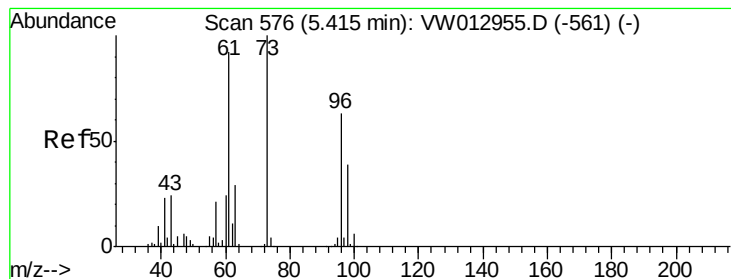
84 100

49 124.6 102.0 153.0

51 37.8 34.0 51.0

86 61.9 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 55.124 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

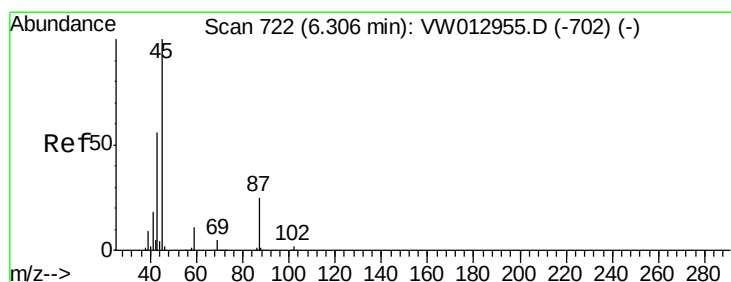
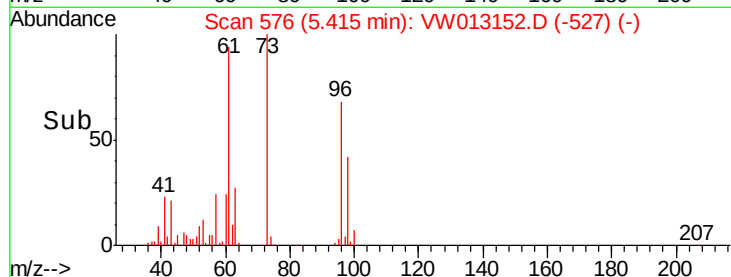
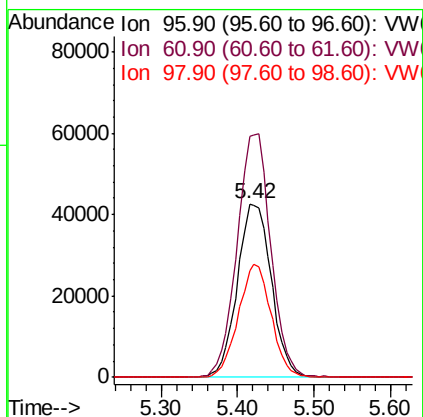
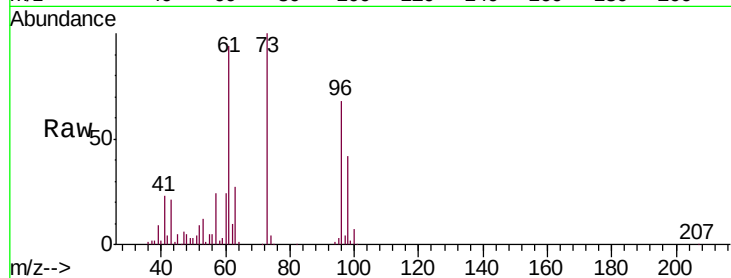
Tgt Ion: 96 Resp: 131906

Ion Ratio Lower Upper

96 100

61 138.9 116.2 174.2

98 61.4 49.8 74.6



#22

Diisopropyl ether

Concen: 53.154 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Tgt Ion: 45 Resp: 468357

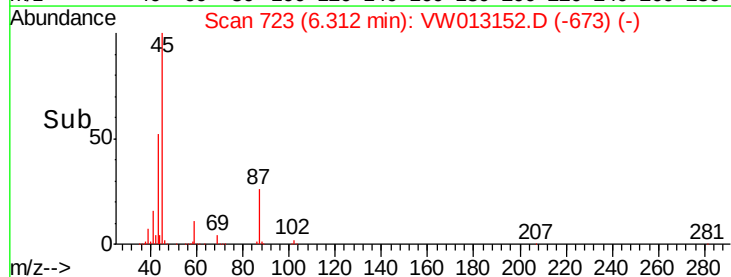
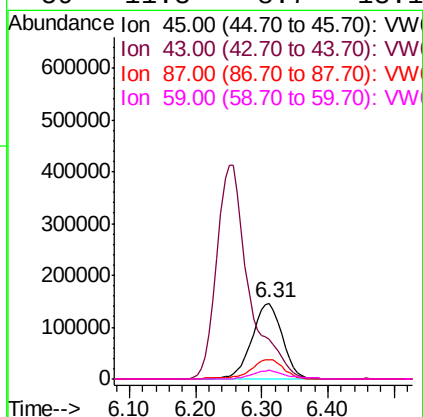
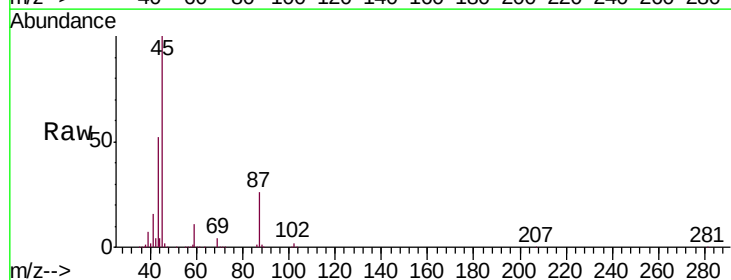
Ion Ratio Lower Upper

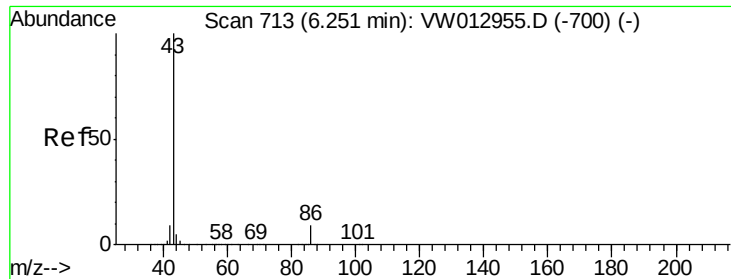
45 100

43 51.3 44.6 67.0

87 26.0 20.0 30.0

59 11.3 8.7 13.1





#23

Vinyl Acetate

Concen: 263.480 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

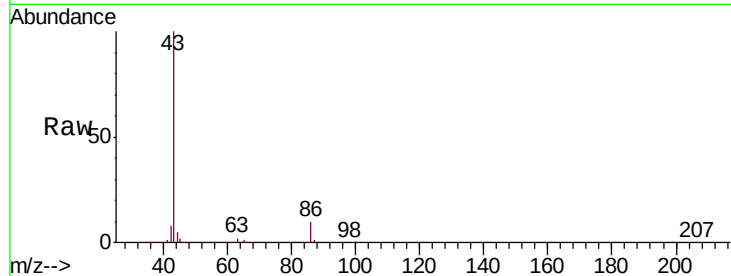
VSTDCCC050

Tgt Ion: 43 Resp: 1390502

Ion Ratio Lower Upper

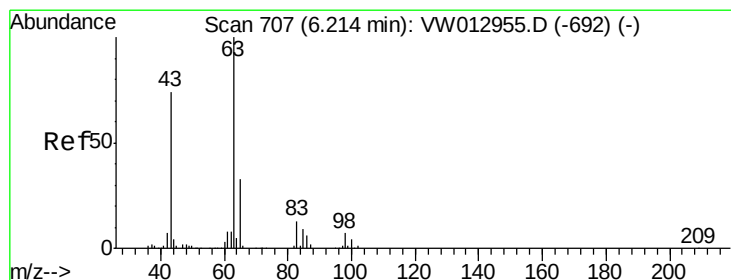
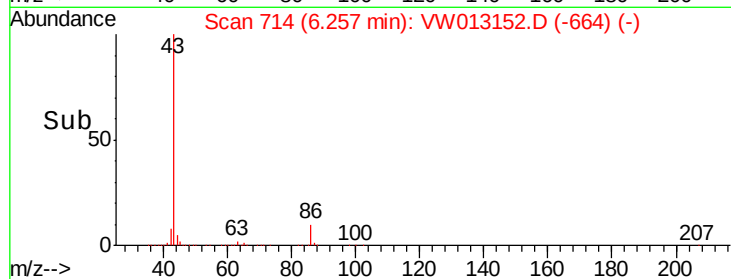
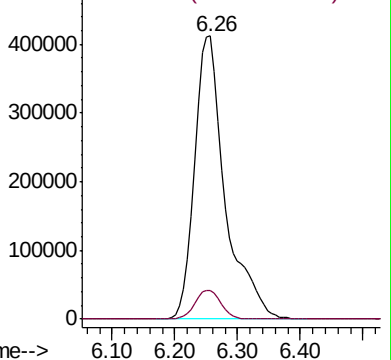
43 100

86 10.2 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.201 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

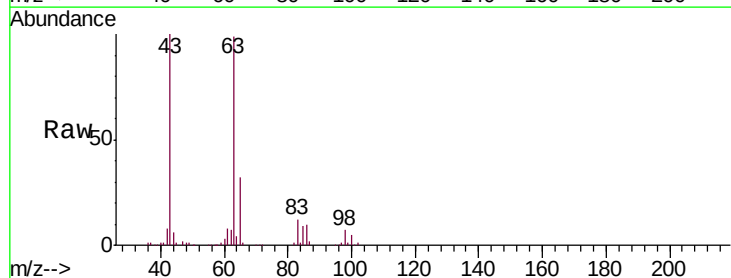
Tgt Ion: 63 Resp: 265197

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

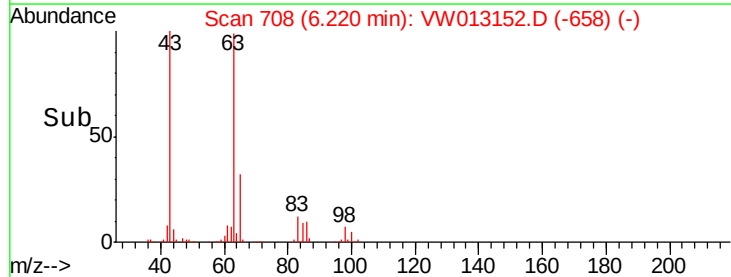
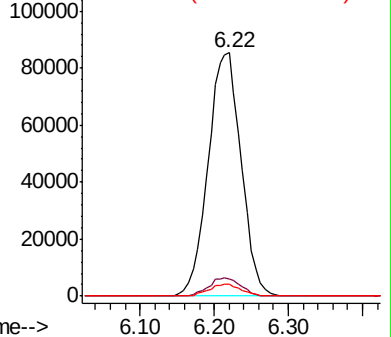
100 5.0 1.8 5.5



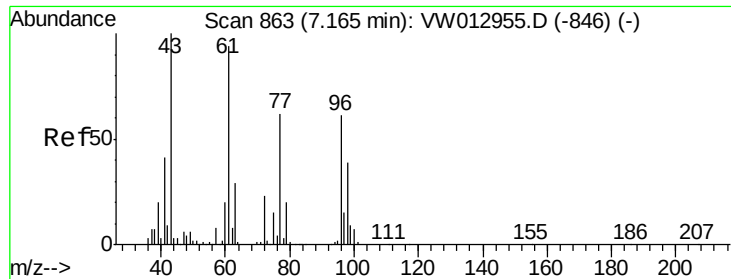
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW







#25

2-Butanone

Concen: 251.919 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

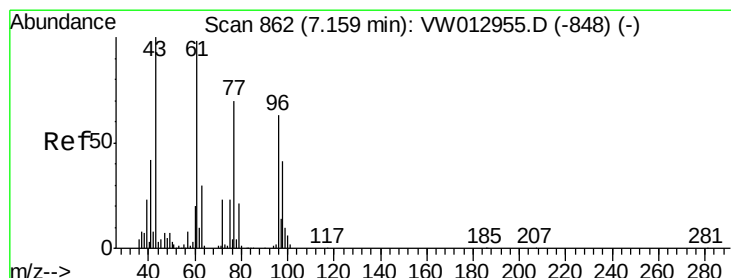
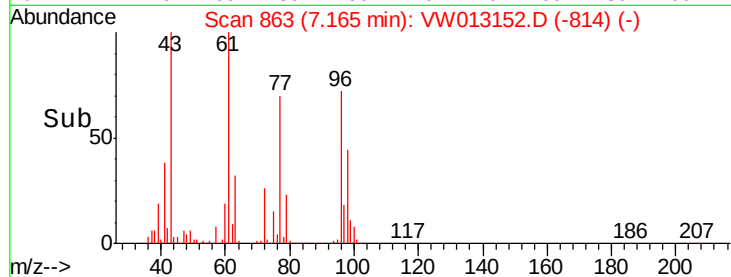
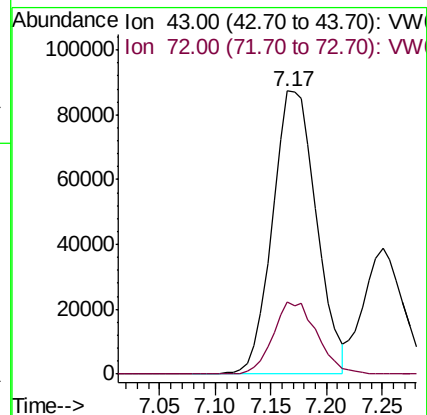
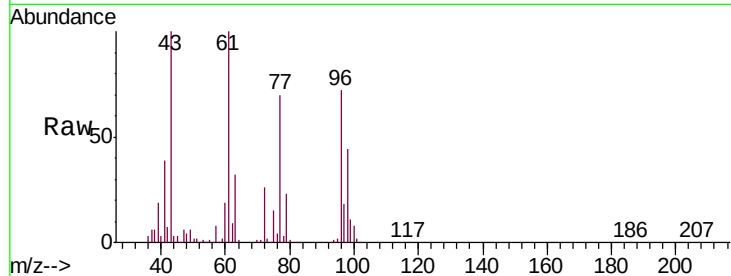
VSTDCCC050

Tgt Ion: 43 Resp: 239461

Ion Ratio Lower Upper

43 100

72 25.7 18.2 27.4



#26

2,2-Dichloropropane

Concen: 55.275 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013152.D

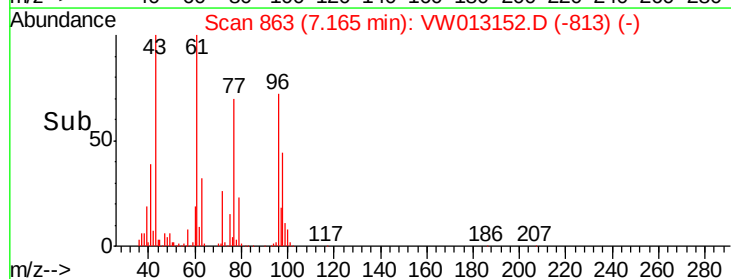
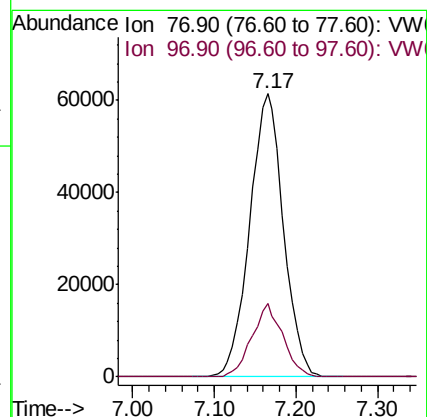
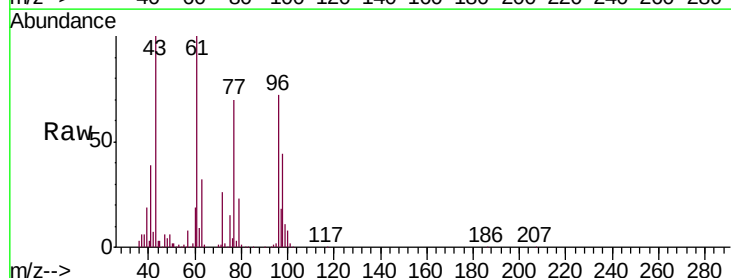
Acq: 19 Sep 2019 11:03

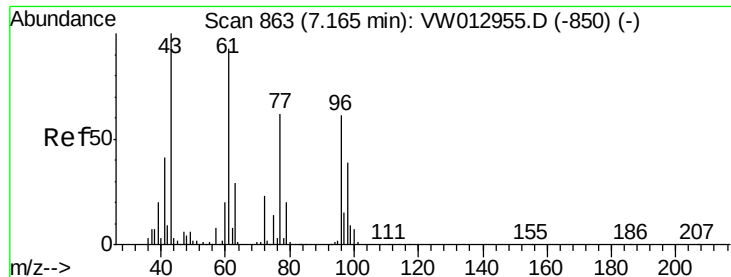
Tgt Ion: 77 Resp: 176738

Ion Ratio Lower Upper

77 100

97 23.6 10.7 32.1



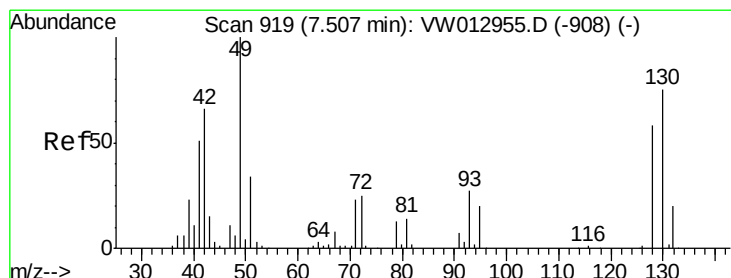
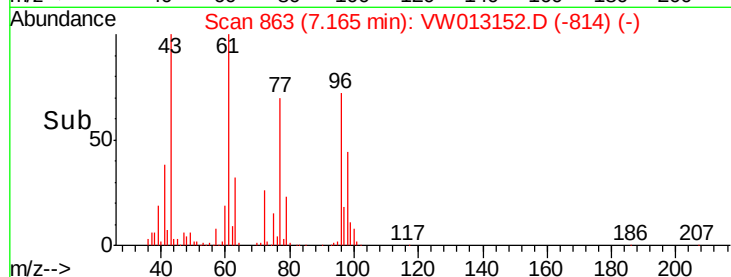
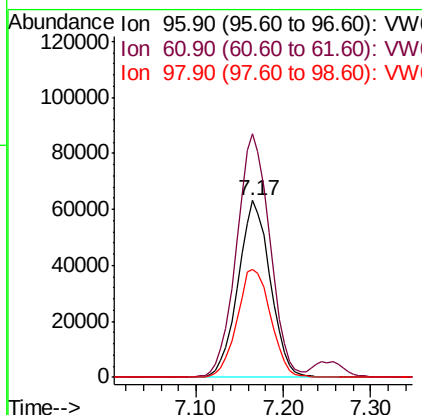
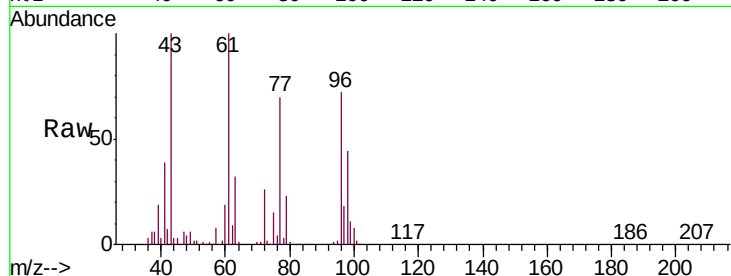


#27

cis-1,2-Dichloroethene  
 Concen: 56.438 ug/l  
 RT: 7.17 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

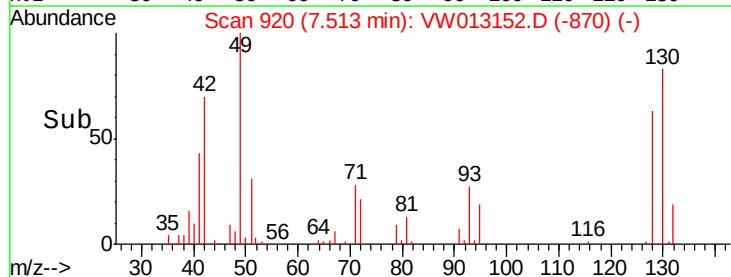
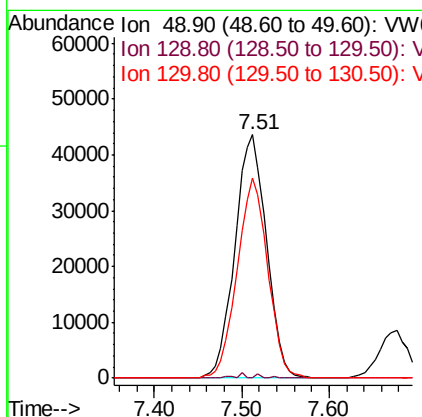
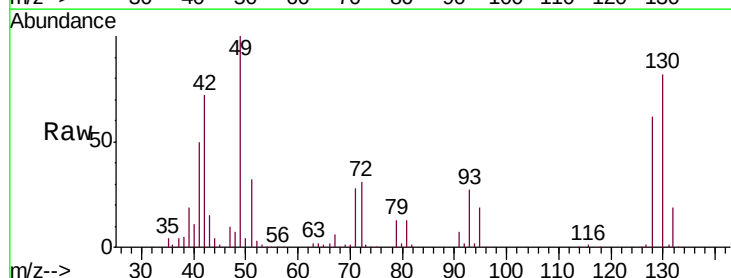
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 142.5 | 0.0   | 315.4 |
| 98      | 64.2  | 0.0   | 131.0 |

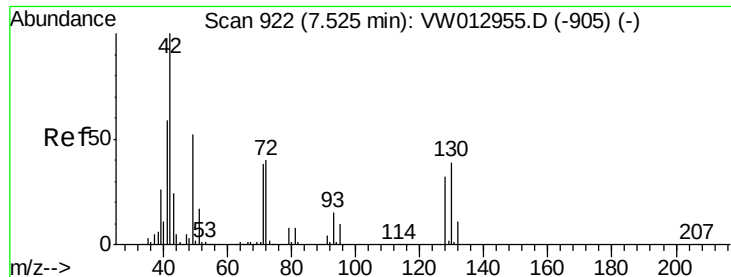


#28

Bromochloromethane  
 Concen: 51.200 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. 0.01 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.2   | 0.0   | 1.4   |
| 130     | 79.5  | 57.8  | 86.6  |

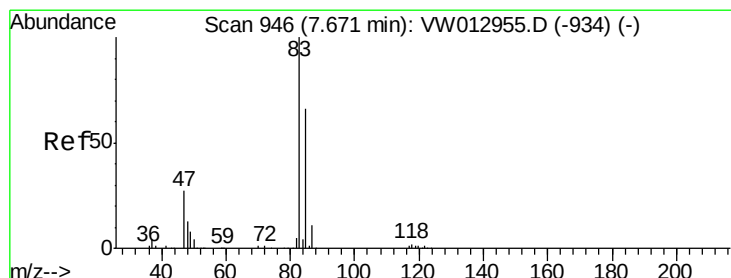
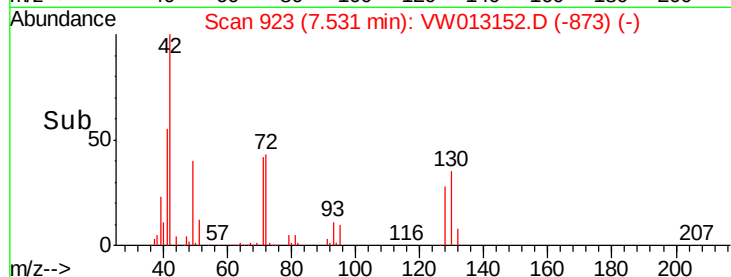
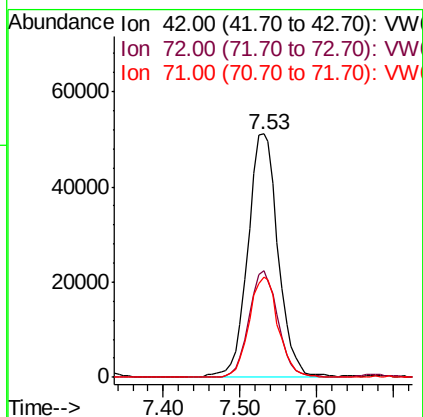
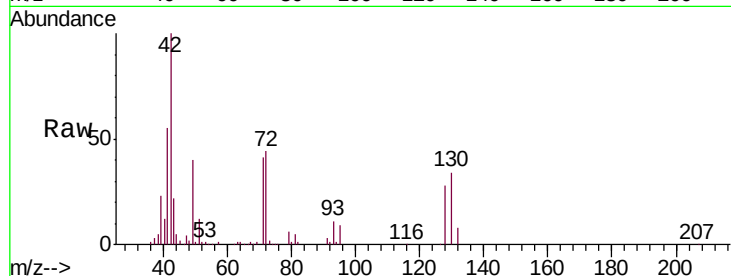




#29  
Tetrahydrofuran  
Concen: 261.400 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

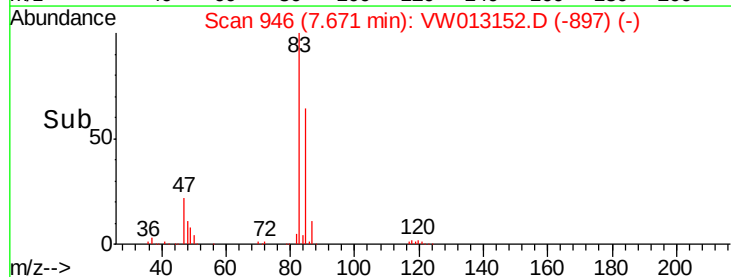
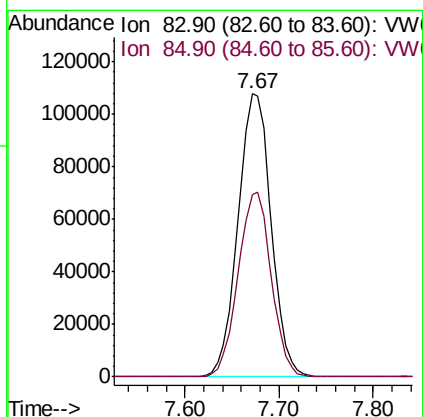
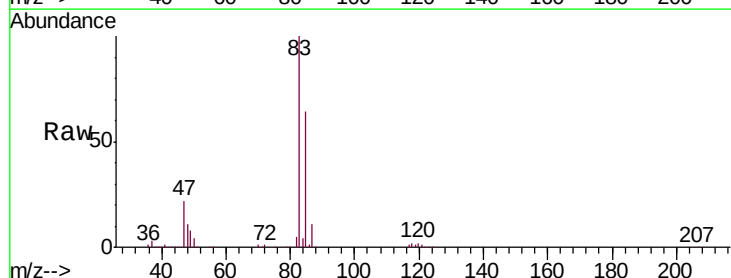
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

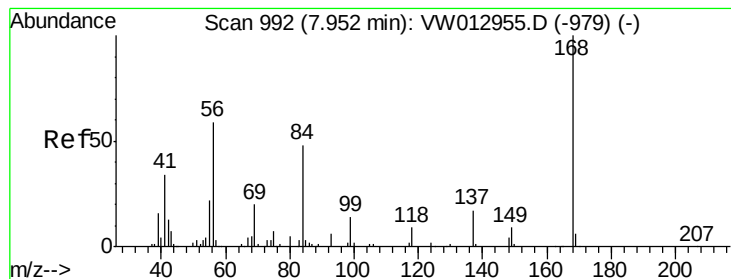
Tgt Ion: 42 Resp: 141575  
Ion Ratio Lower Upper  
42 100  
72 41.8 31.4 47.0  
71 39.6 29.8 44.8



#30  
Chloroform  
Concen: 51.389 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 83 Resp: 265269  
Ion Ratio Lower Upper  
83 100  
85 64.2 52.8 79.2





#31

Cyclohexane

Concen: 55.796 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

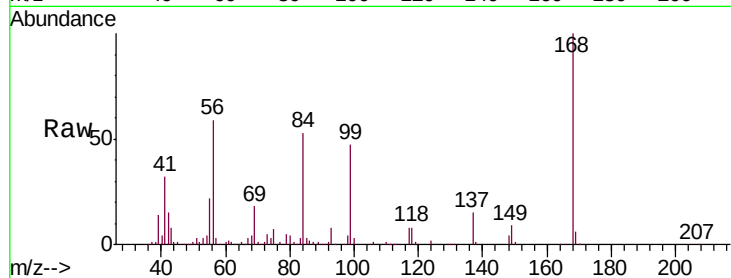
Tgt Ion: 56 Resp: 210905

Ion Ratio Lower Upper

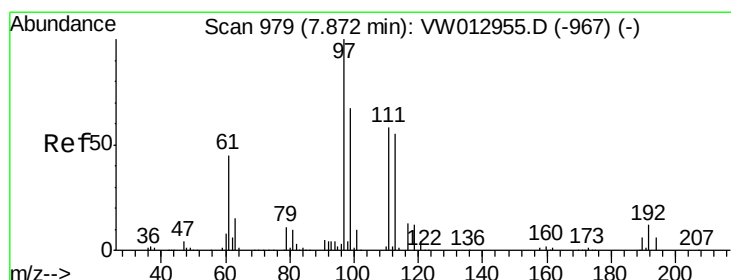
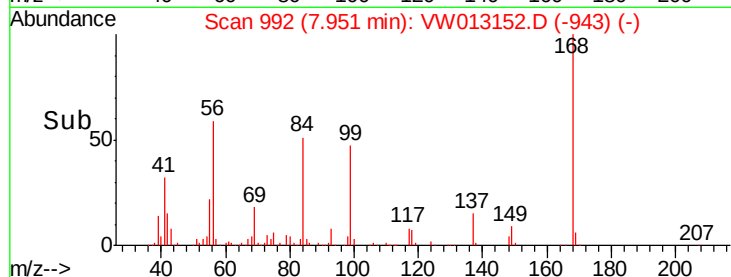
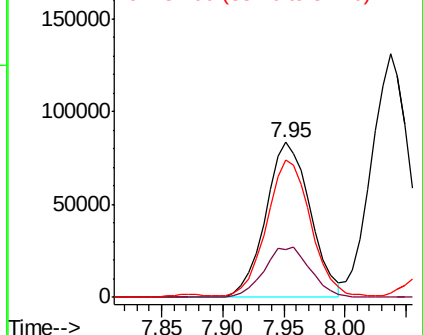
56 100

69 30.9 27.0 40.6

84 86.9 66.2 99.2



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: 50.451 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

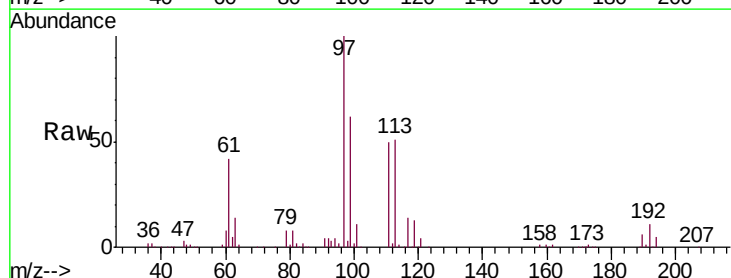
Tgt Ion: 97 Resp: 214469

Ion Ratio Lower Upper

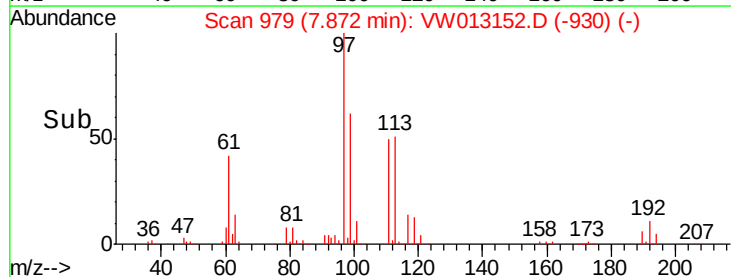
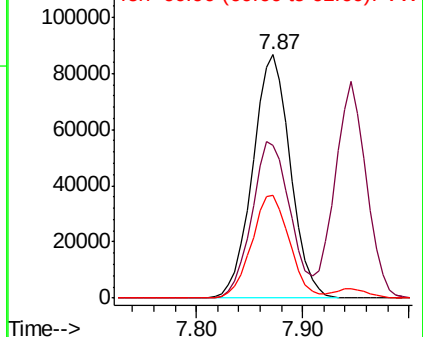
97 100

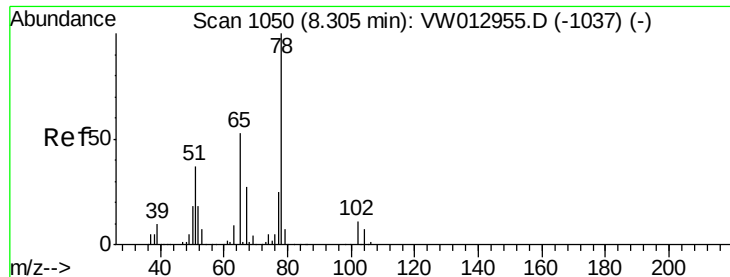
99 65.7 53.0 79.4

61 42.8 36.5 54.7



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

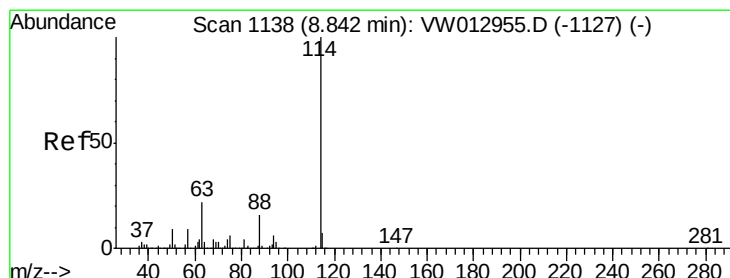
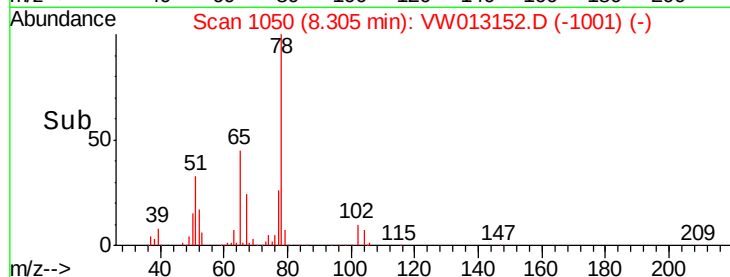
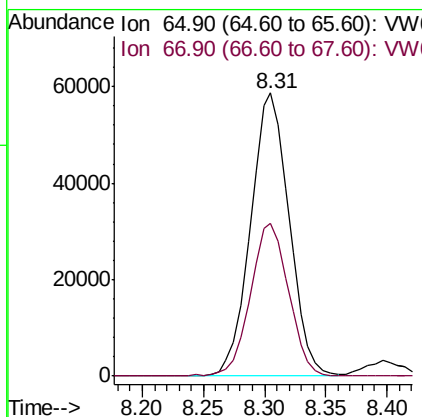
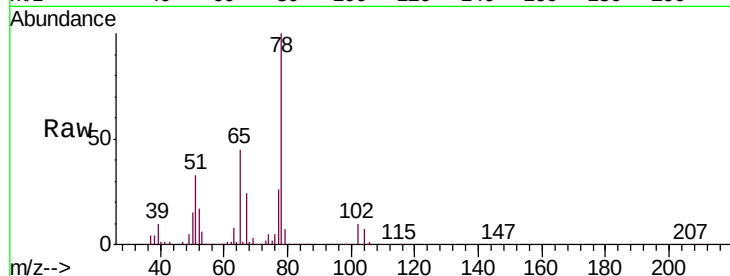




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.074 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

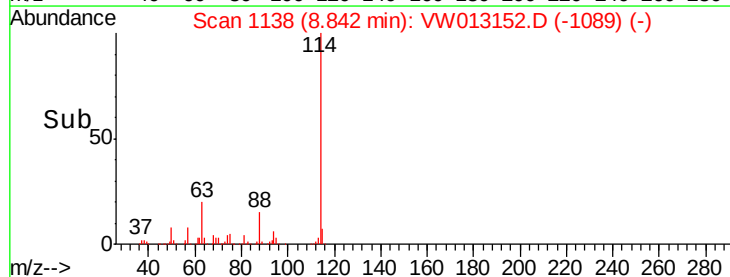
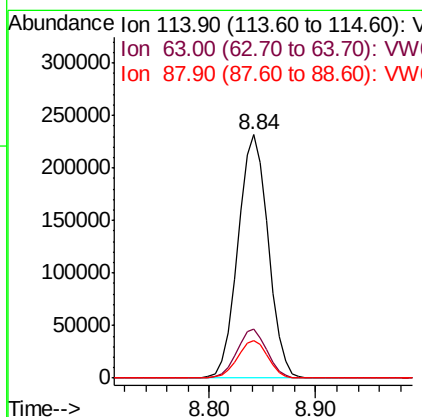
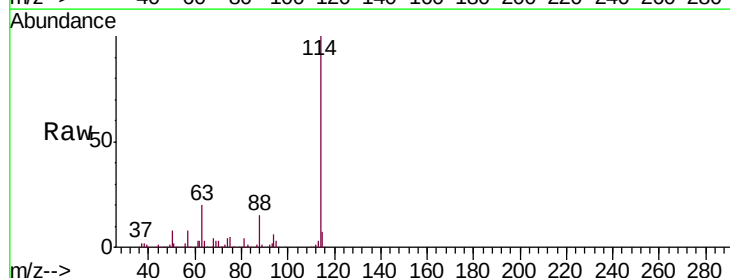
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

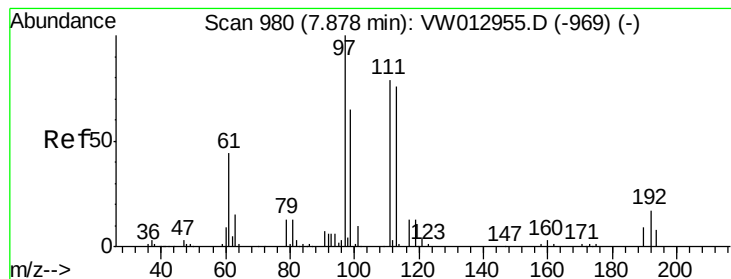
Tgt Ion: 65 Resp: 128763  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 101.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Tgt Ion: 114 Resp: 462660  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 43.4  
 88 15.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.715 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

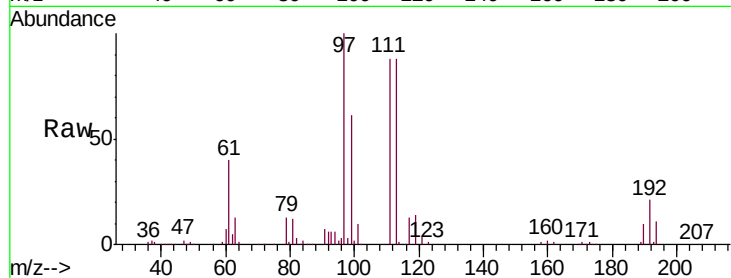
Tgt Ion:113 Resp: 129827

Ion Ratio Lower Upper

113 100

111 101.1 82.8 124.2

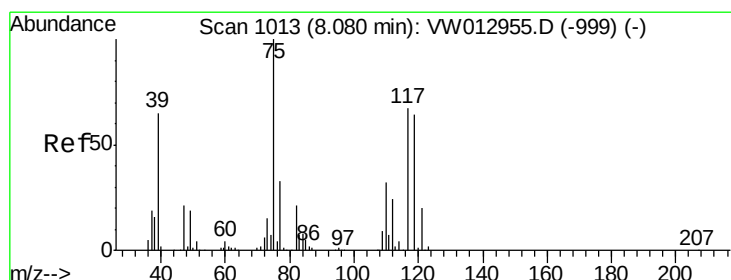
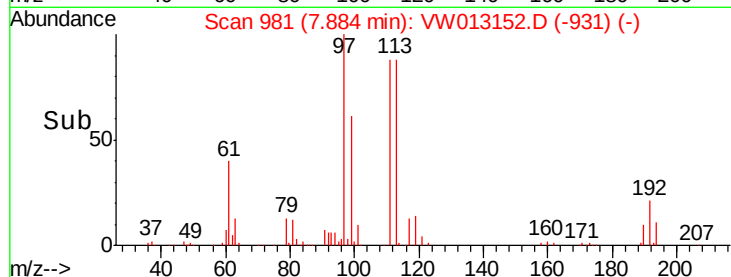
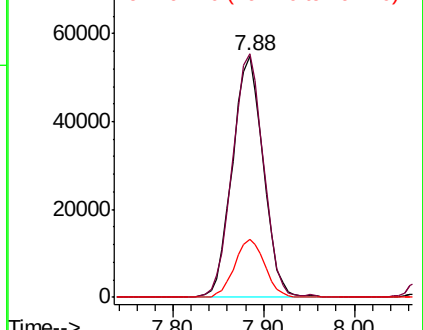
192 23.3 17.8 26.8



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: 52.355 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

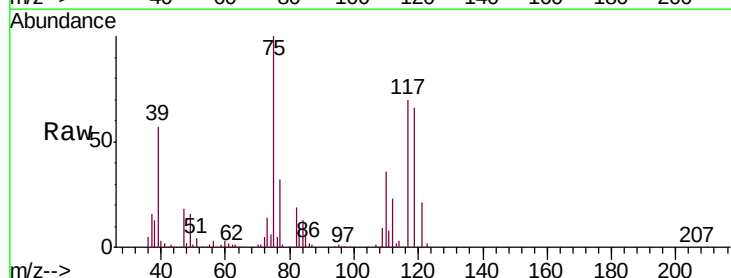
Tgt Ion: 75 Resp: 193561

Ion Ratio Lower Upper

75 100

110 35.8 16.4 49.1

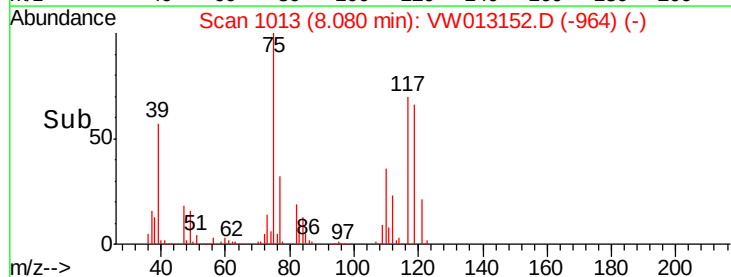
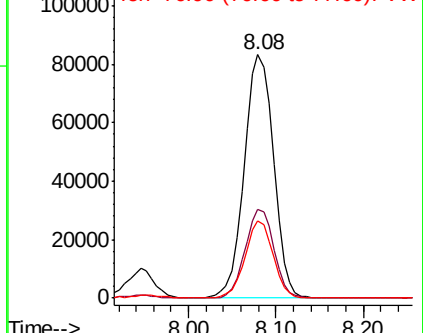
77 30.6 25.1 37.7

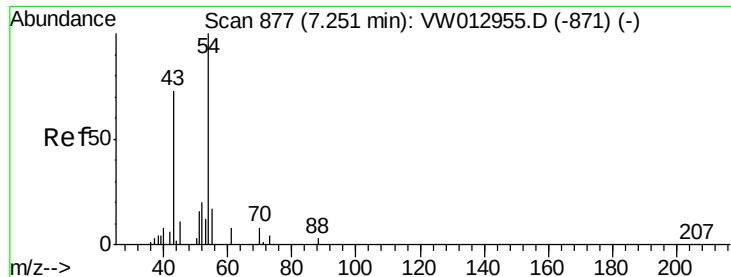


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

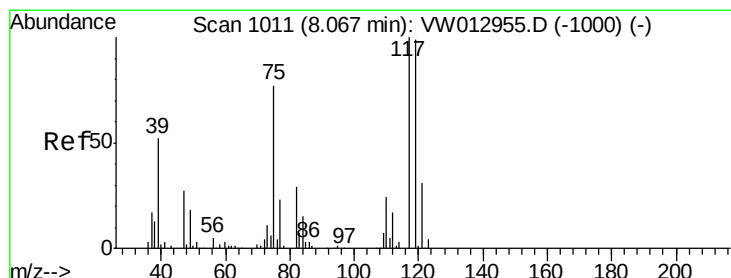
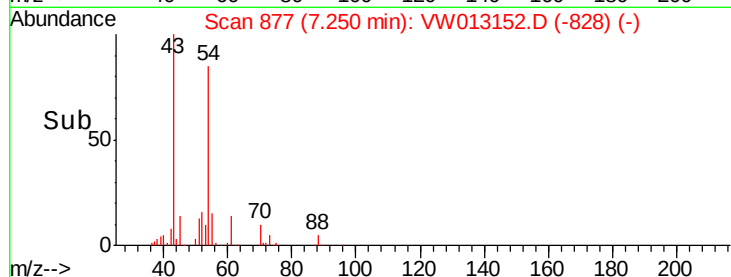
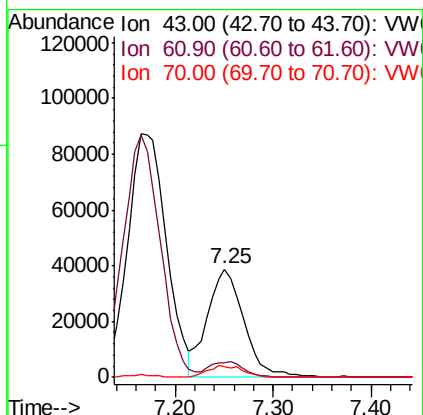
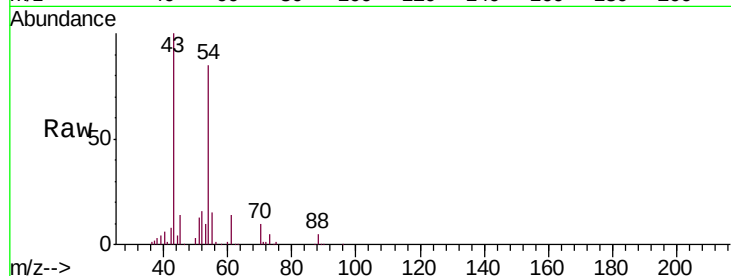




#37  
Ethyl Acetate  
Concen: 50.899 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

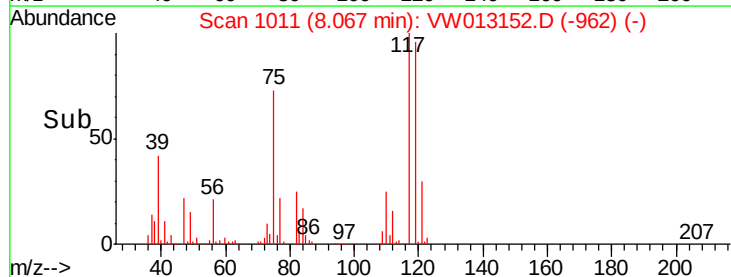
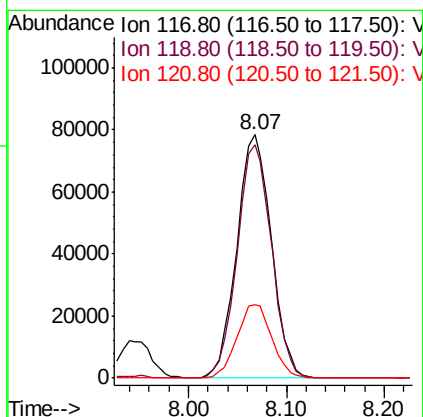
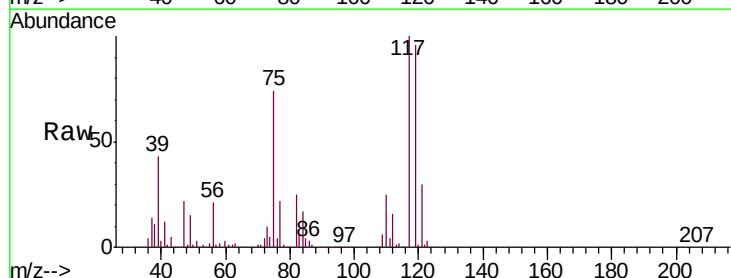
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

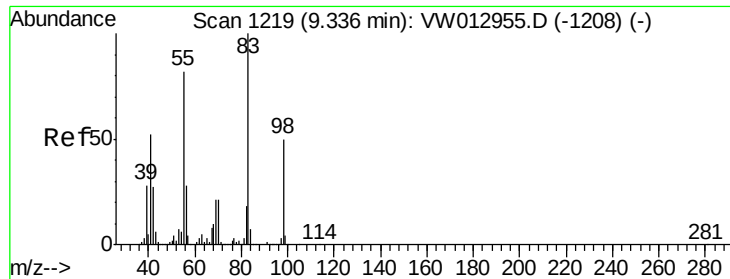
Tgt Ion: 43 Resp: 99881  
Ion Ratio Lower Upper  
43 100  
61 14.5 9.6 14.4#  
70 10.8 7.6 11.4



#38  
Carbon Tetrachloride  
Concen: 50.823 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 117 Resp: 192552  
Ion Ratio Lower Upper  
117 100  
119 95.6 79.4 119.0  
121 30.4 24.6 36.8

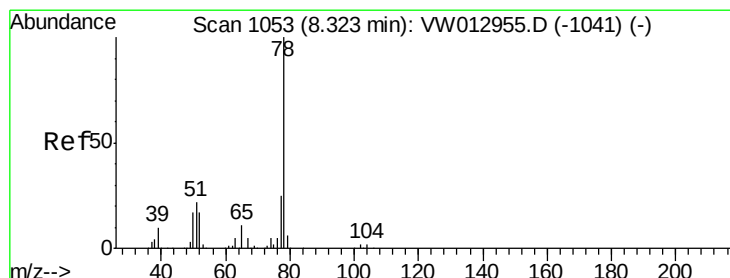
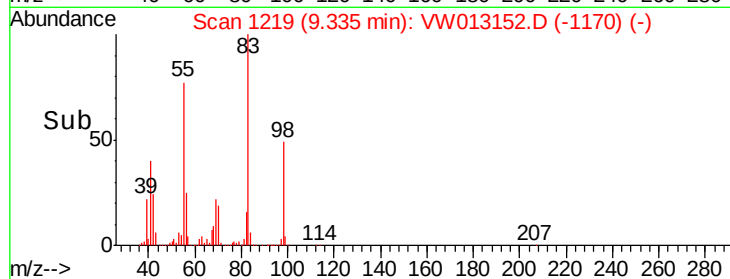
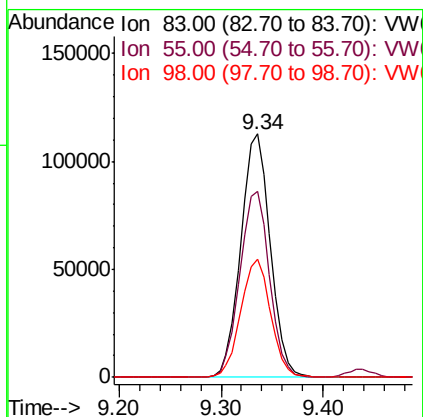
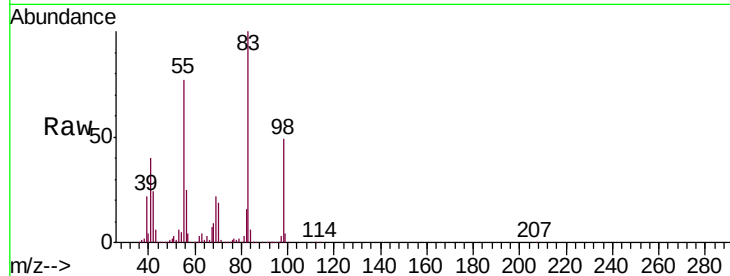




#39  
Methylcyclohexane  
Concen: 55.951 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

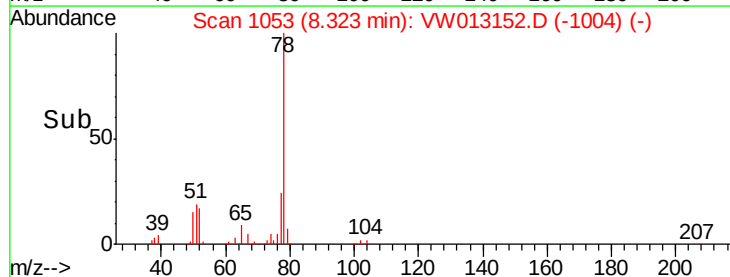
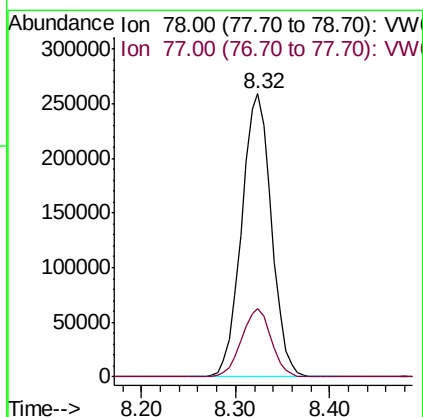
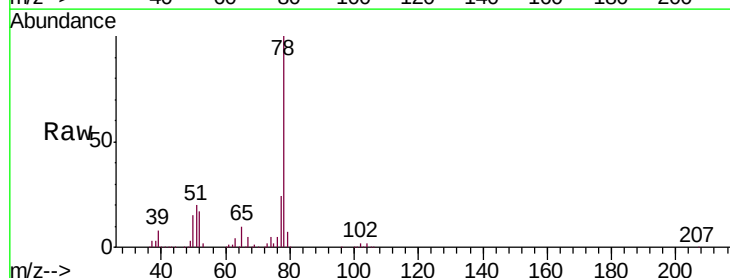
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 83 Resp: 226669  
Ion Ratio Lower Upper  
83 100  
55 76.6 65.9 98.9  
98 48.6 39.6 59.4

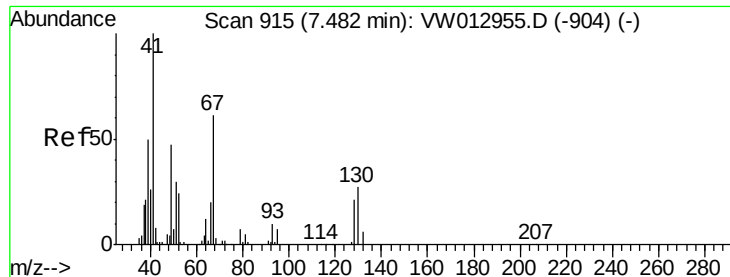


#40  
Benzene  
Concen: 55.513 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 78 Resp: 572942  
Ion Ratio Lower Upper  
78 100  
77 24.4 19.6 29.4







#41

Methacrylonitrile

Concen: 46.776 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 60448

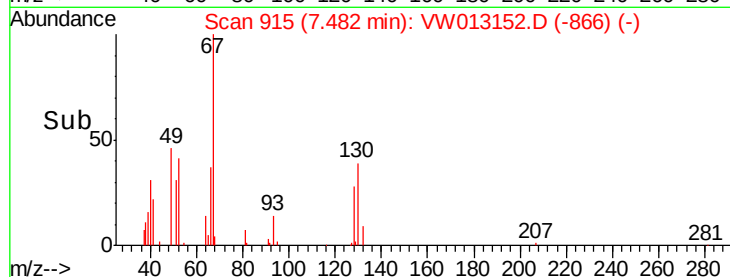
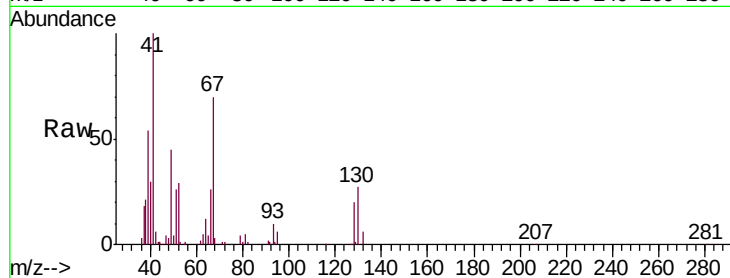
Ion Ratio Lower Upper

41 100

39 57.2 48.2 72.4

67 70.5 47.5 71.3

52 29.3 21.0 31.4

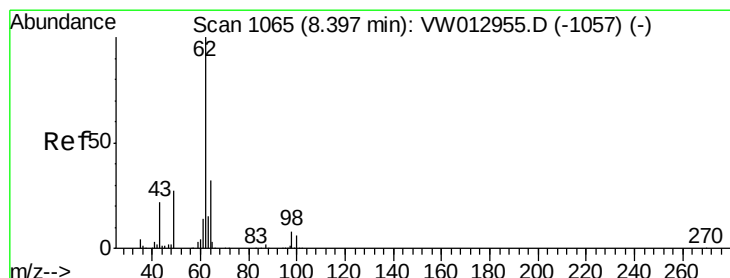
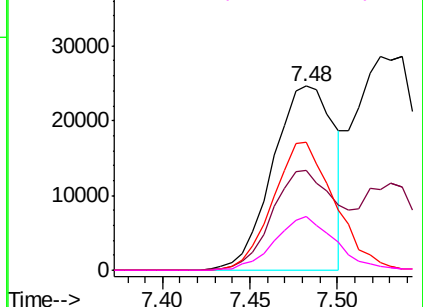


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 47.312 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013152.D

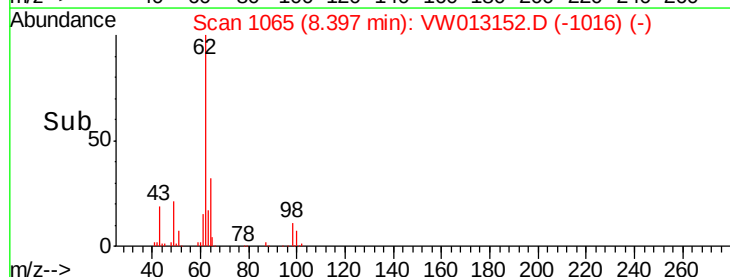
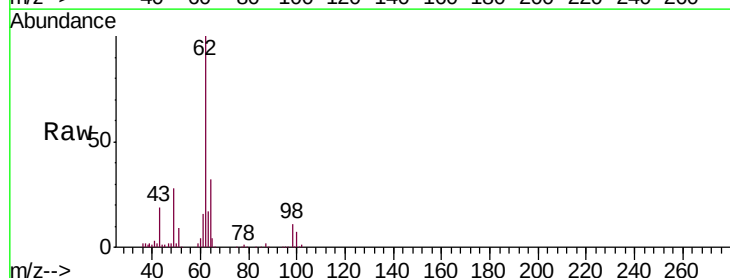
Acq: 19 Sep 2019 11:03

Tgt Ion: 62 Resp: 163690

Ion Ratio Lower Upper

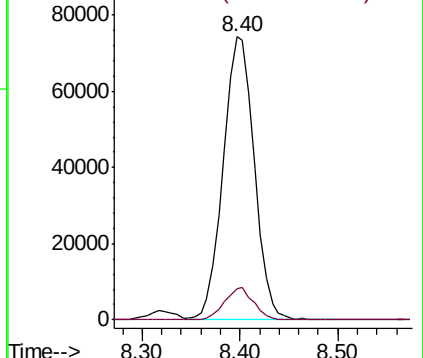
62 100

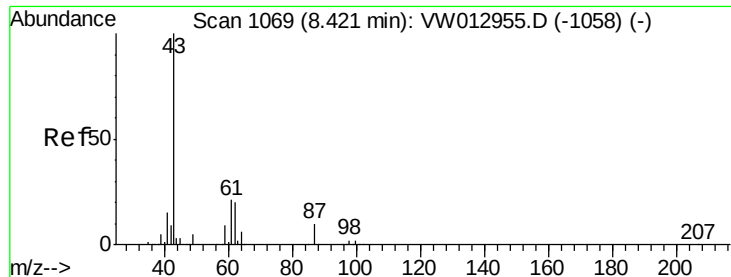
98 10.6 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.426 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

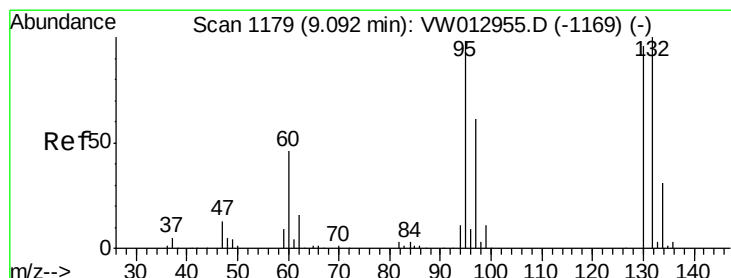
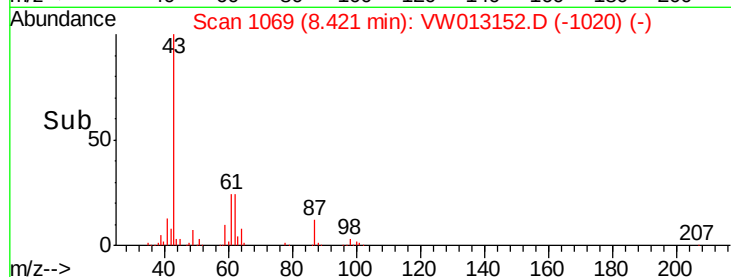
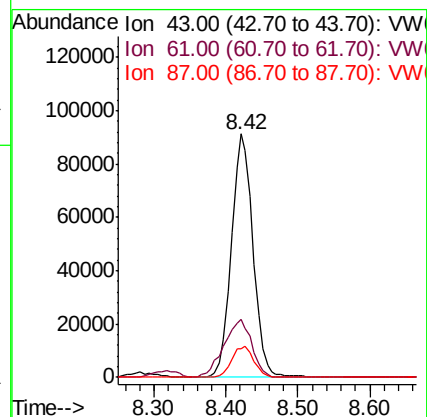
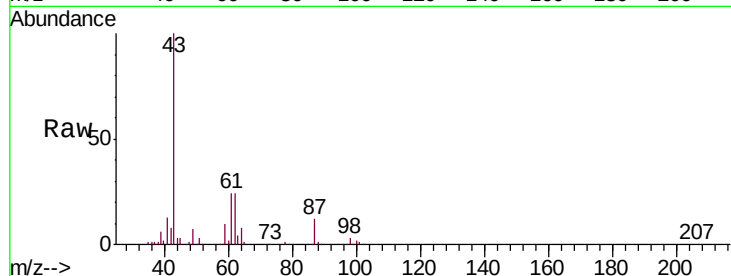
Tgt Ion: 43 Resp: 189995

Ion Ratio Lower Upper

43 100

61 30.8 22.7 34.1

87 13.3 9.4 14.2



#44

Trichloroethene

Concen: 56.356 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013152.D

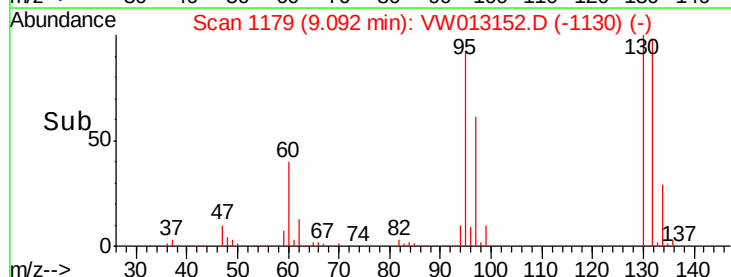
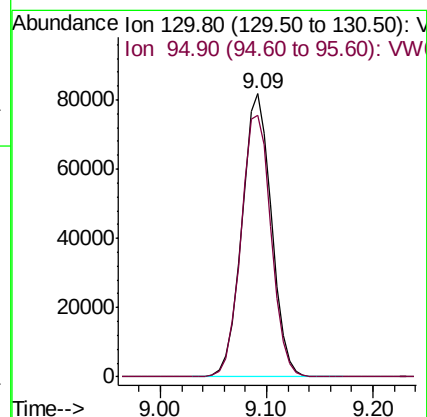
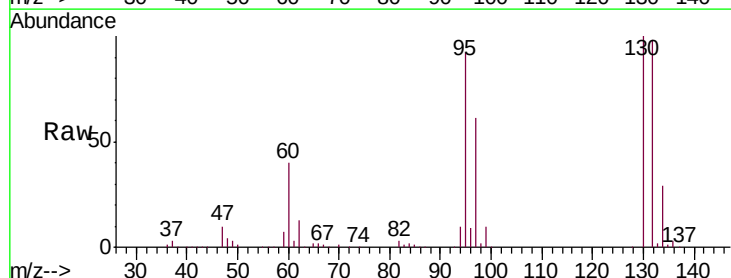
Acq: 19 Sep 2019 11:03

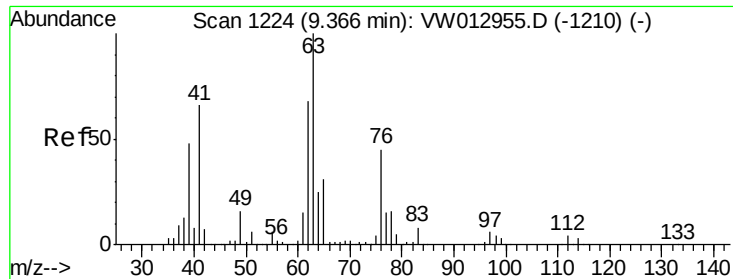
Tgt Ion: 130 Resp: 159319

Ion Ratio Lower Upper

130 100

95 92.3 0.0 204.4

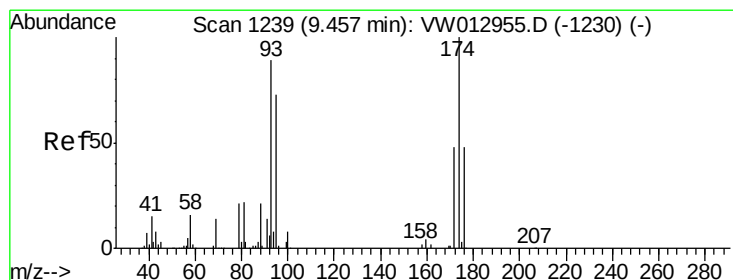
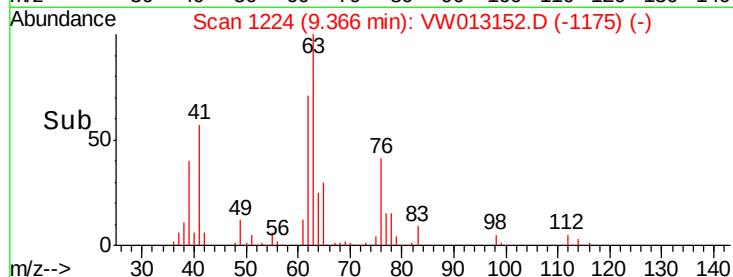
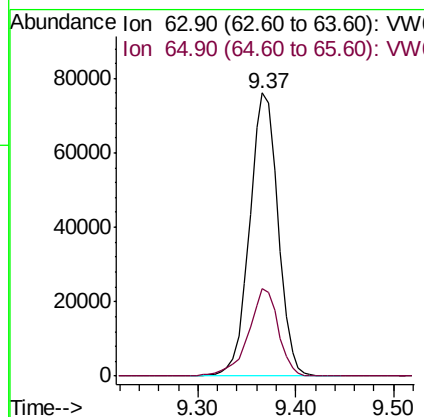
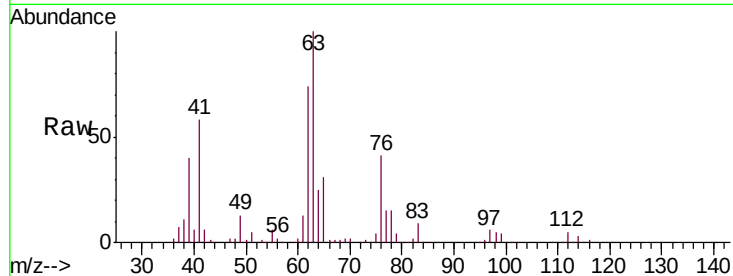




#45  
 1,2-Dichloropropane  
 Concen: 55.805 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

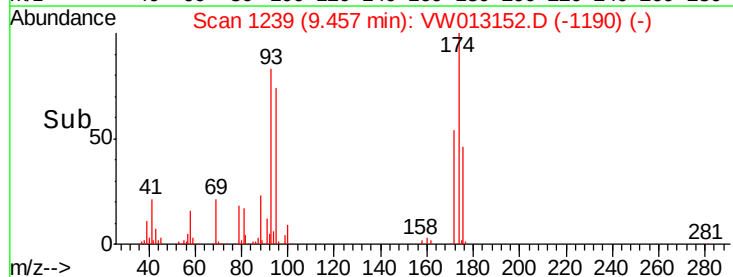
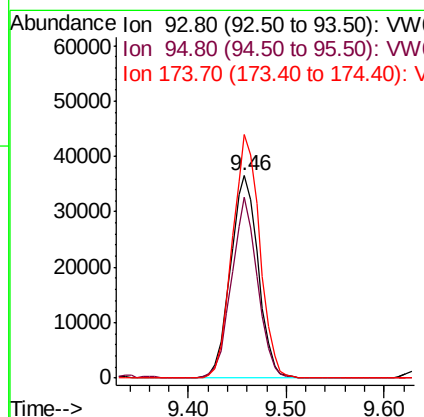
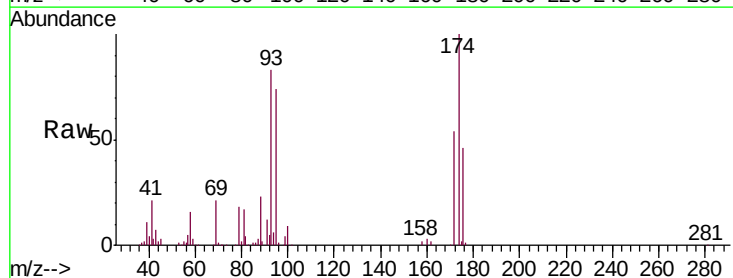
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

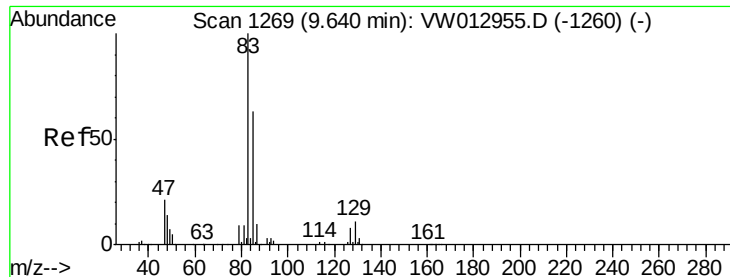
Tgt Ion: 63 Resp: 153023  
 Ion Ratio Lower Upper  
 63 100  
 65 30.8 24.6 37.0



#46  
 Dibromomethane  
 Concen: 54.255 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Tgt Ion: 93 Resp: 71277  
 Ion Ratio Lower Upper  
 93 100  
 95 84.3 67.0 100.4  
 174 119.2 90.5 135.7

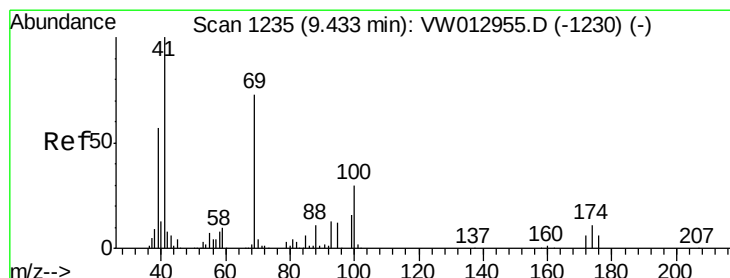
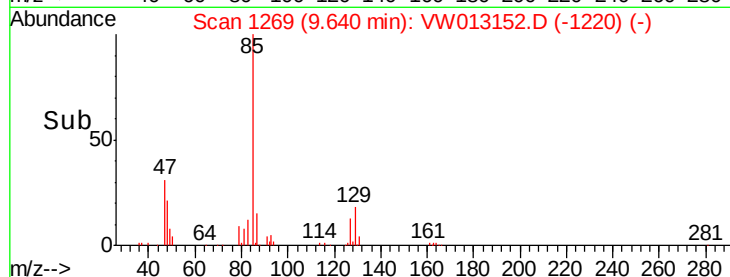
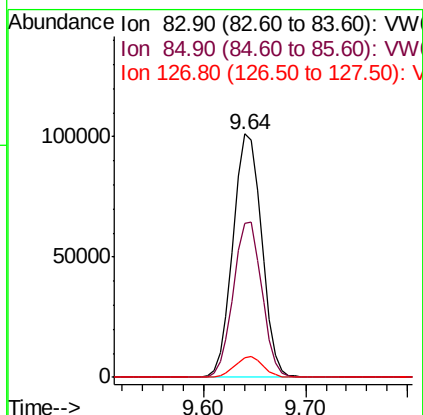
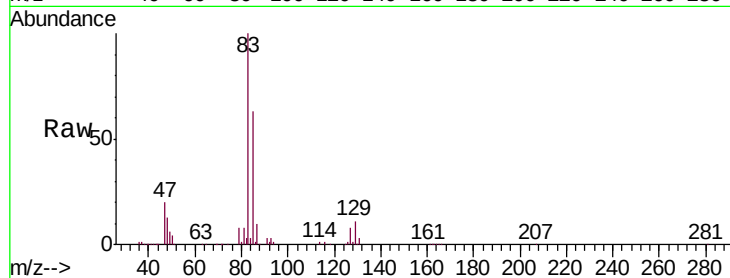




#47  
Bromodichloromethane  
Concen: 53.576 ug/l  
RT: 9.64 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

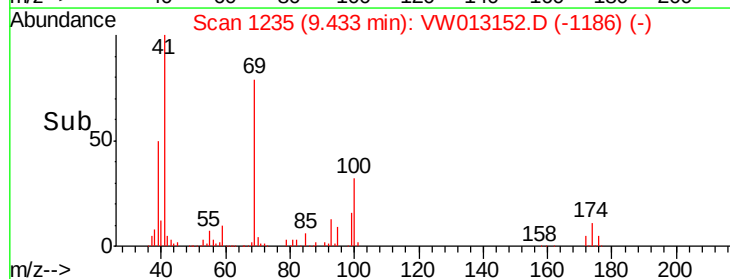
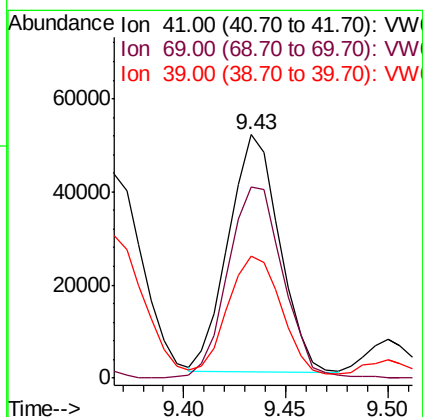
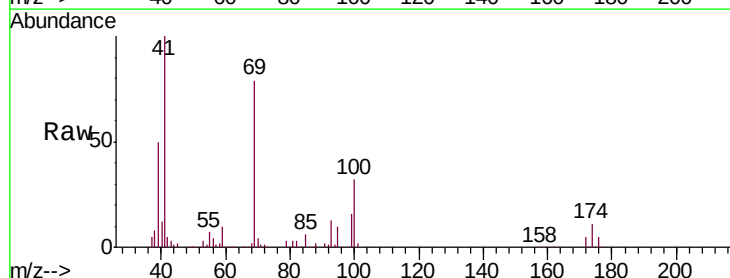
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

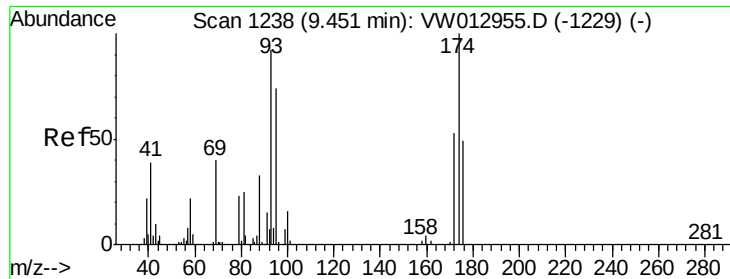
Tgt Ion: 83 Resp: 197432  
Ion Ratio Lower Upper  
83 100  
85 63.2 50.6 75.8  
127 8.3 6.7 10.1



#48  
Methyl methacrylate  
Concen: 49.892 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 41 Resp: 88224  
Ion Ratio Lower Upper  
41 100  
69 87.7 62.8 94.2  
39 54.9 48.5 72.7

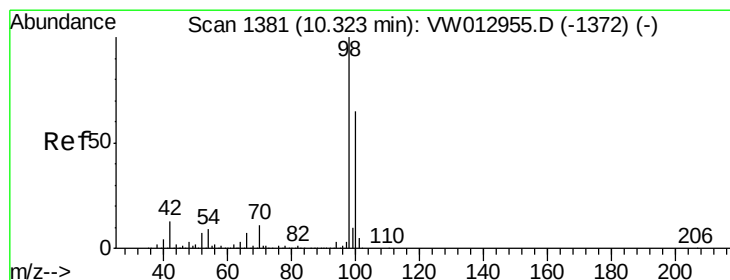
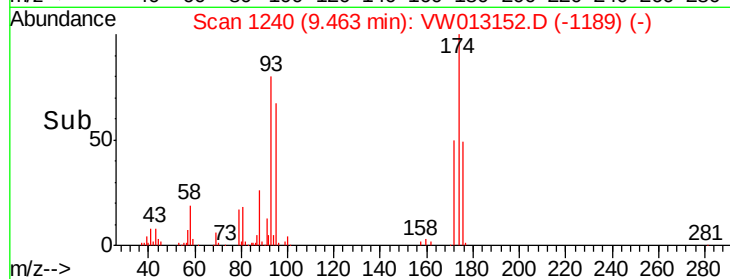
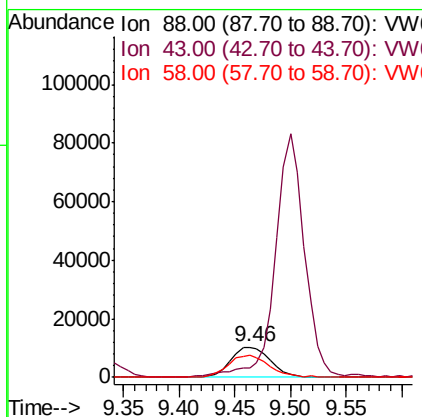
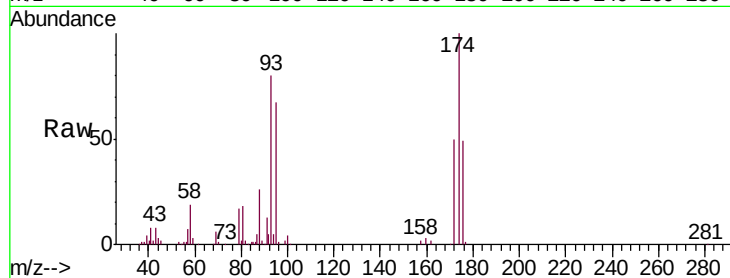




#49  
1,4-Dioxane  
Concen: 1159.473 ug/l  
RT: 9.46 min Scan# 1240  
Delta R.T. 0.01 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

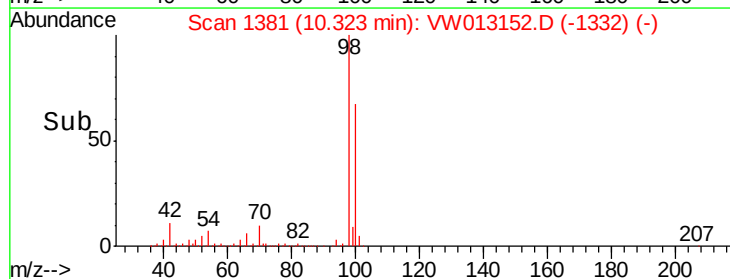
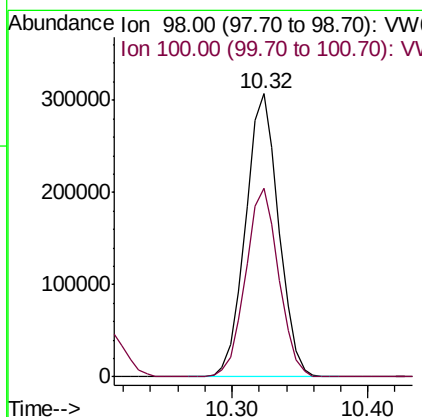
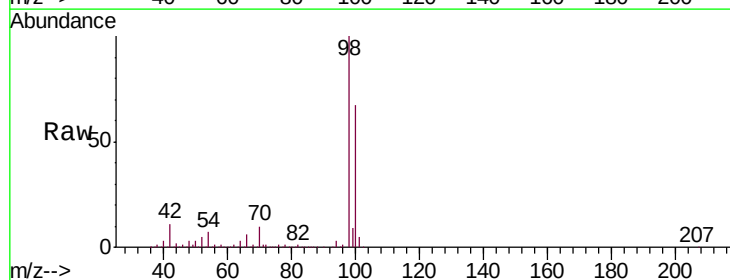
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

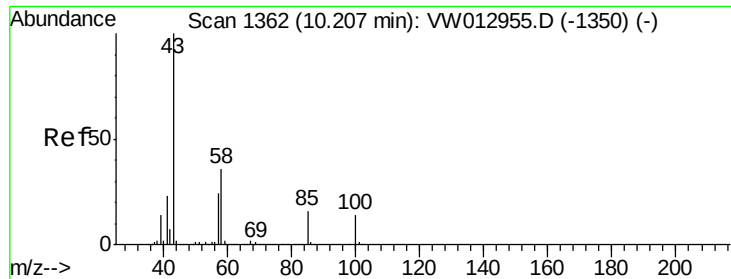
Tgt Ion: 88 Resp: 25524  
Ion Ratio Lower Upper  
88 100  
43 0.0 31.3 46.9#  
58 76.5 60.2 90.2



#50  
Toluene-d8  
Concen: 53.341 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 98 Resp: 524003  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 257.964 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

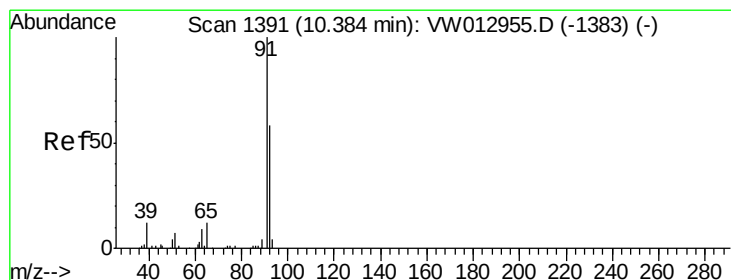
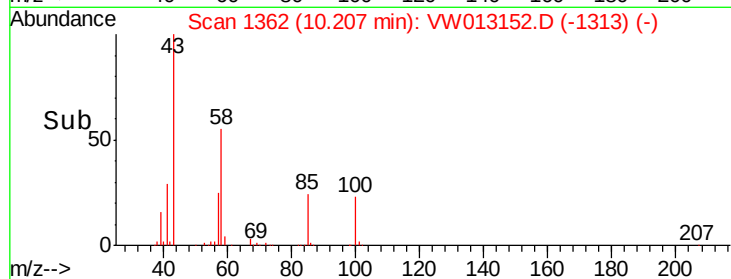
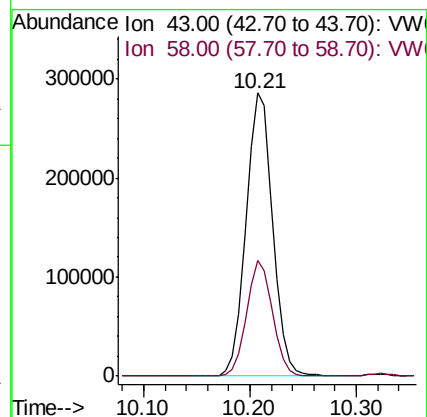
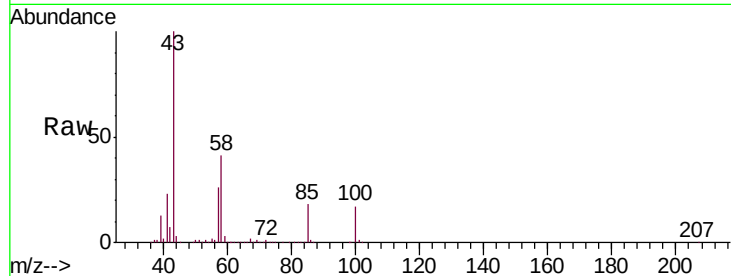
VSTDCCC050

Tgt Ion: 43 Resp: 501798

Ion Ratio Lower Upper

43 100

58 39.7 29.5 44.3



#52

Toluene

Concen: 57.224 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013152.D

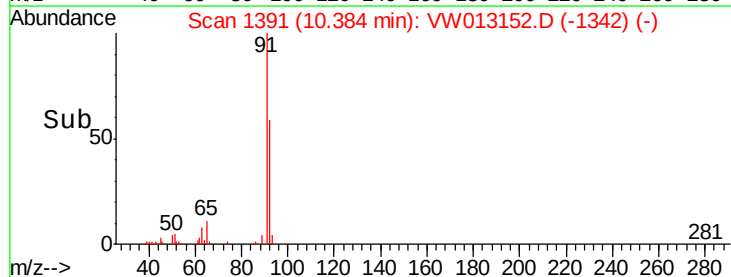
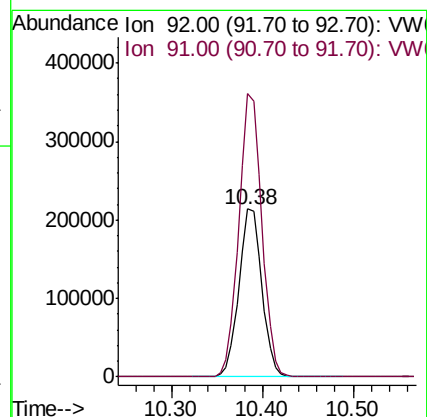
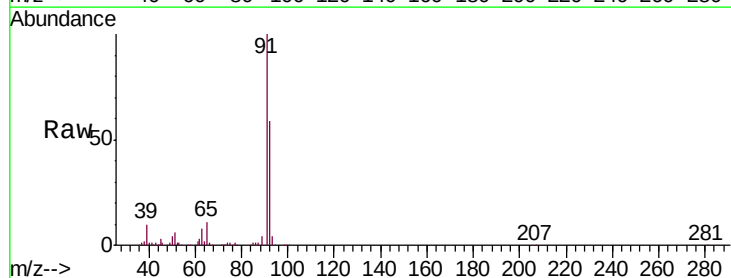
Acq: 19 Sep 2019 11:03

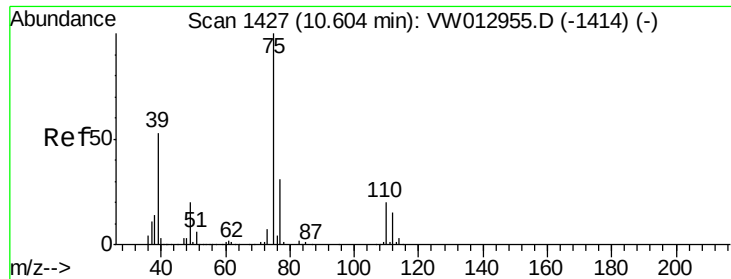
Tgt Ion: 92 Resp: 375296

Ion Ratio Lower Upper

92 100

91 169.1 137.5 206.3

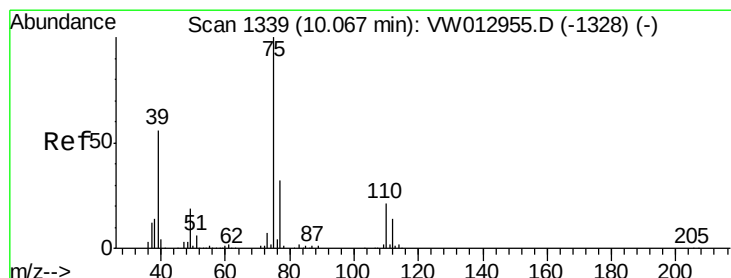
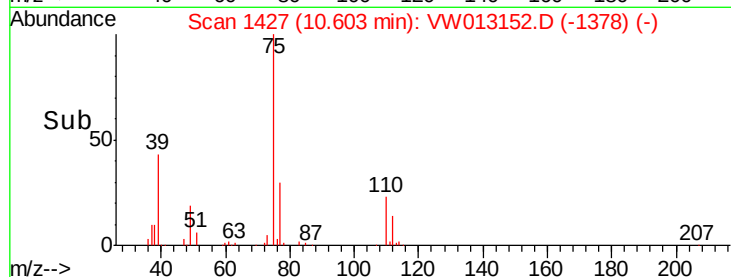
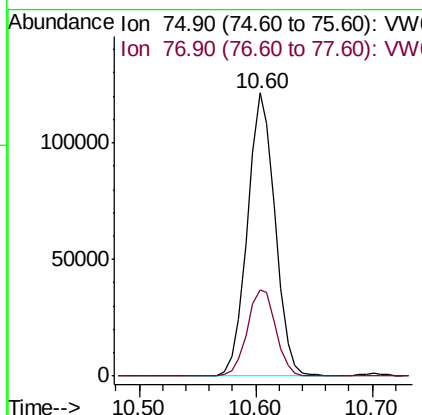
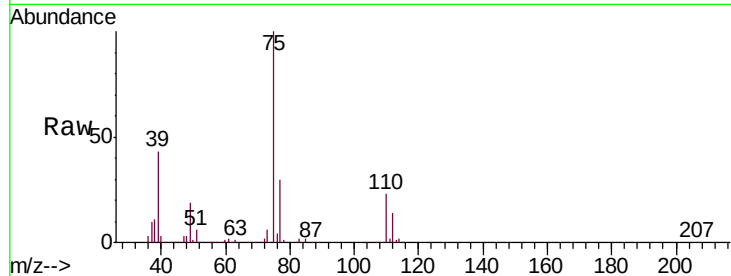




#53  
t-1,3-Dichloropropene  
Concen: 54.249 ug/l  
RT: 10.60 min Scan# 1427  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

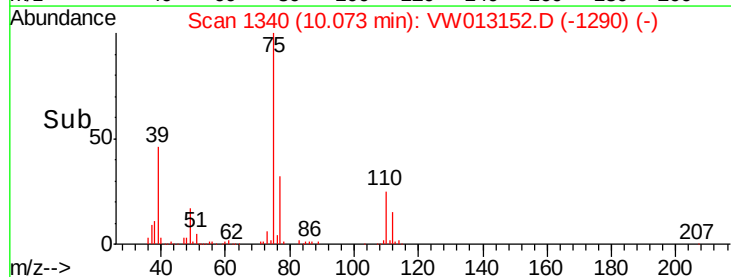
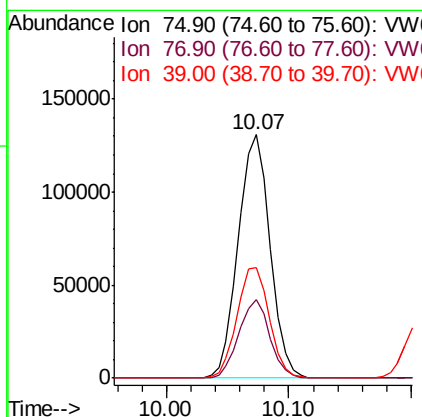
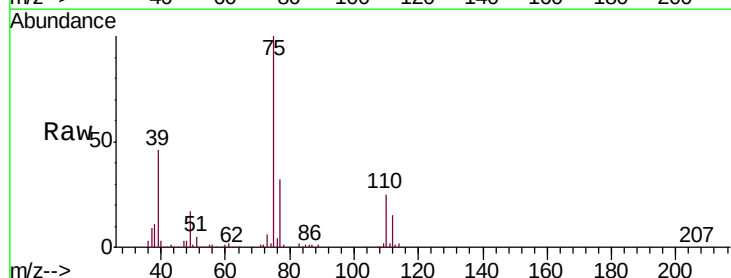
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

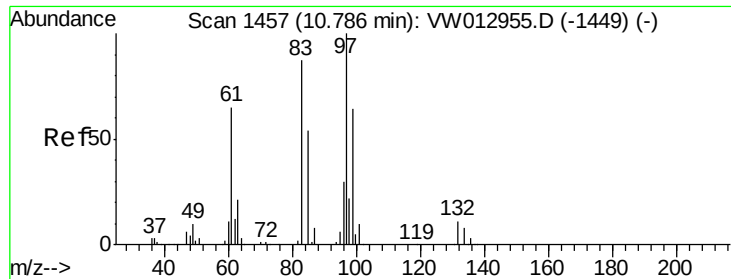
Tgt Ion: 75 Resp: 201052  
Ion Ratio Lower Upper  
75 100  
77 30.3 24.6 37.0



#54  
cis-1,3-Dichloropropene  
Concen: 55.654 ug/l  
RT: 10.07 min Scan# 1340  
Delta R.T. 0.01 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 75 Resp: 236003  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.5 38.3  
39 45.6 45.0 67.6

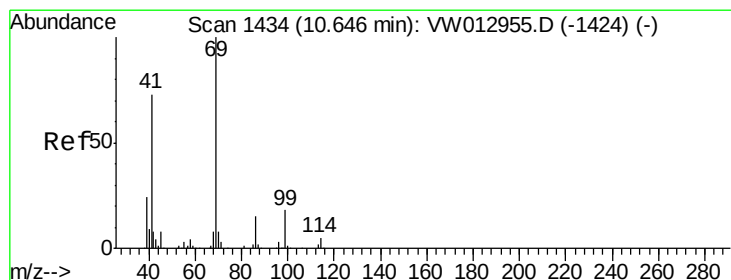
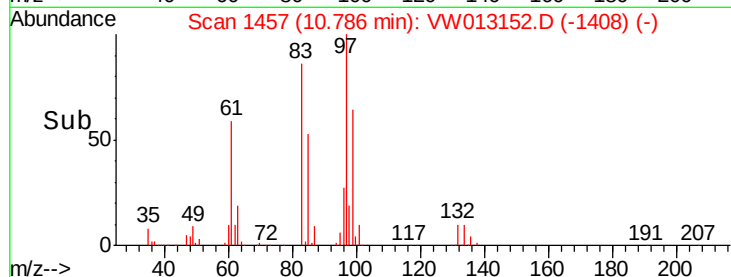
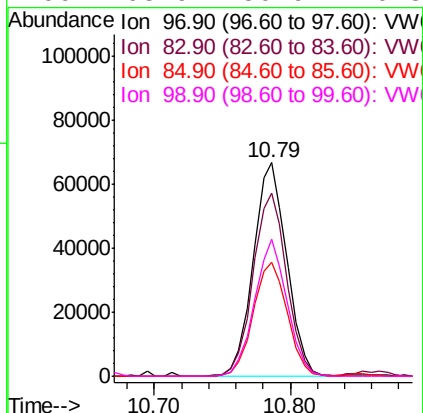
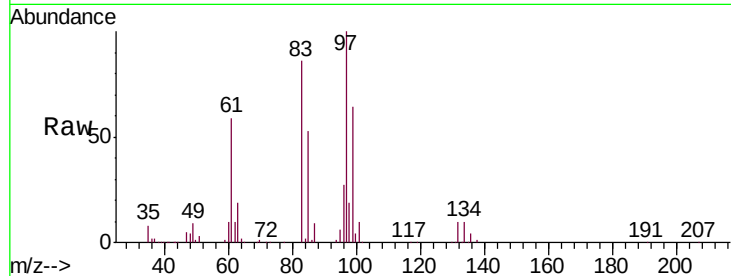




#55  
 1,1,2-Trichloroethane  
 Concen: 57.376 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

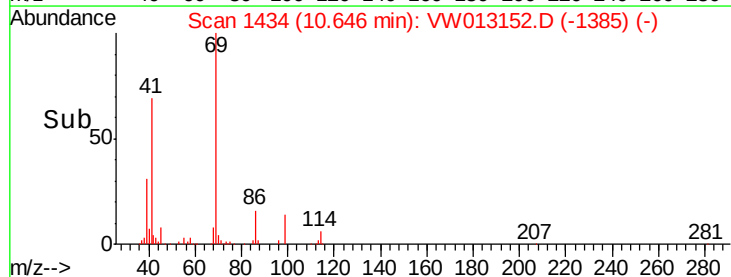
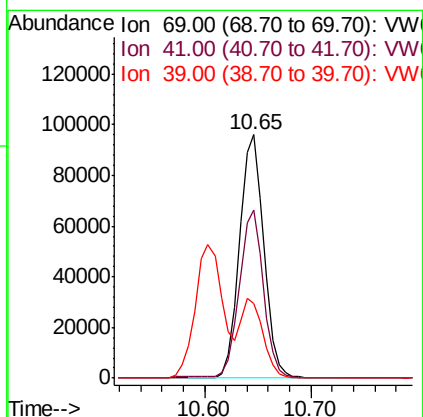
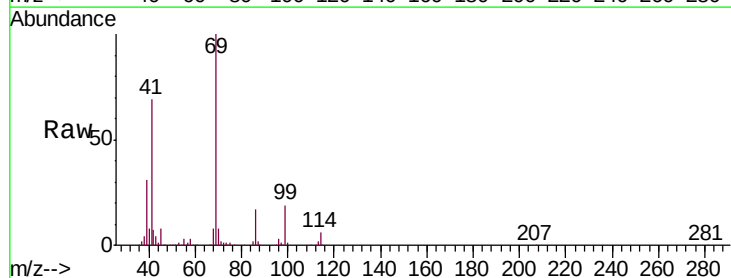
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 114829 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.8  | 69.4  | 104.0  |
| 85       | 53.5  | 43.3  | 64.9   |
| 99       | 63.9  | 50.9  | 76.3   |

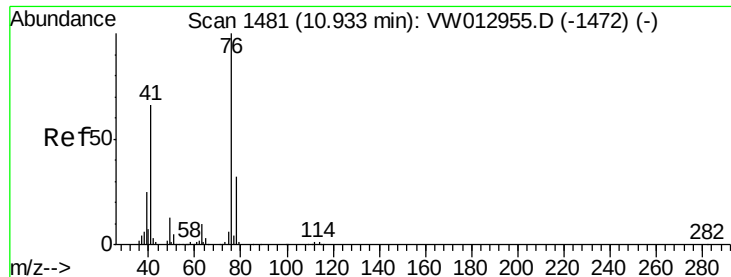


#56  
 Ethyl methacrylate  
 Concen: 57.325 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 154425 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 67.8  | 60.8  | 91.2   |
| 39       | 29.6  | 29.4  | 44.0   |



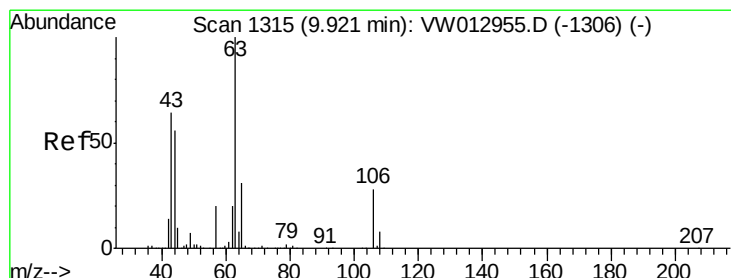
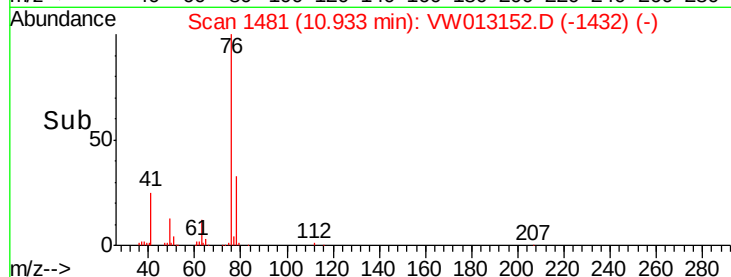
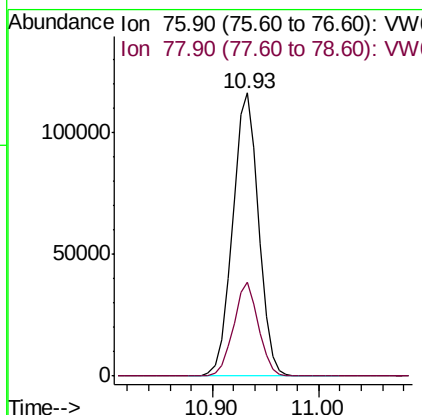
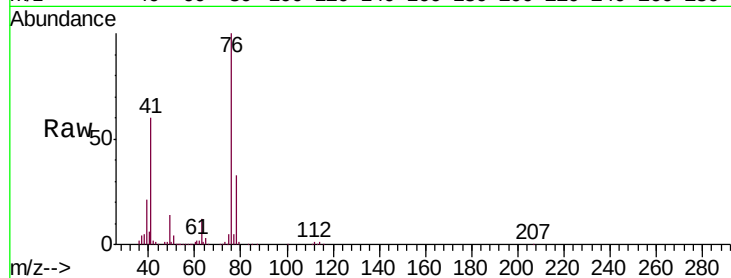




#57  
 1,3-Dichloropropane  
 Concen: 55.800 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

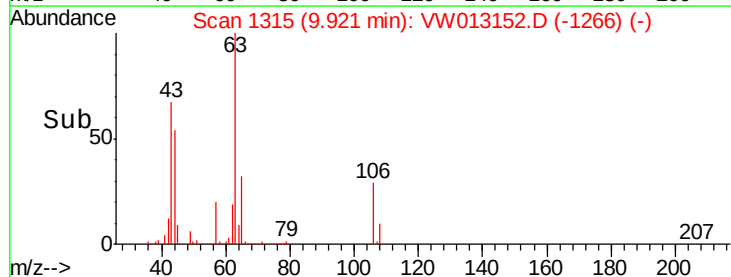
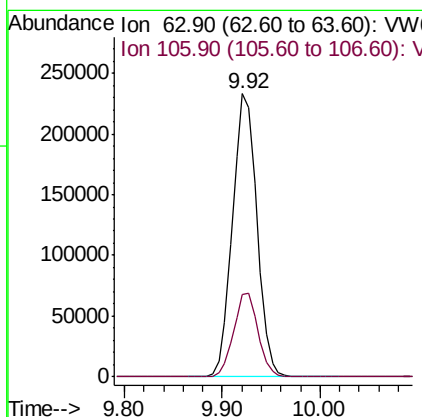
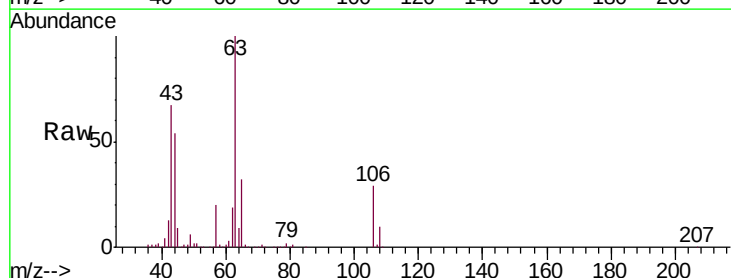
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

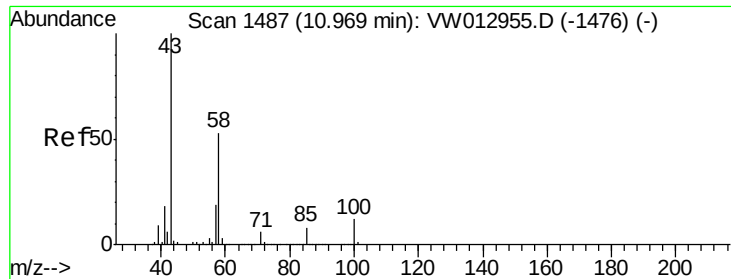
Tgt Ion: 76 Resp: 198101  
 Ion Ratio Lower Upper  
 76 100  
 78 32.0 25.6 38.4



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 279.866 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Tgt Ion: 63 Resp: 404426  
 Ion Ratio Lower Upper  
 63 100  
 106 29.3 22.2 33.2

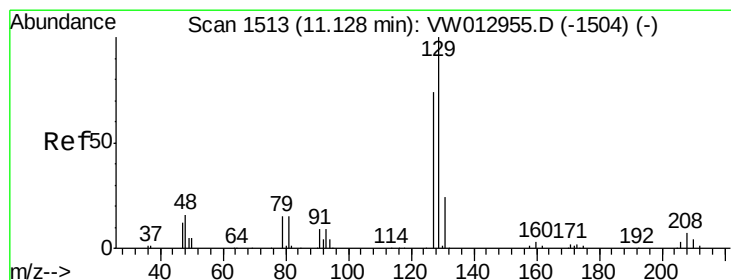
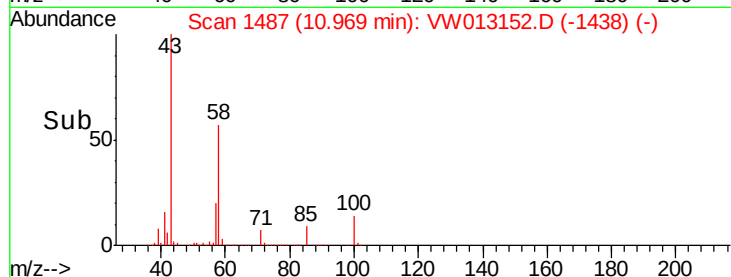
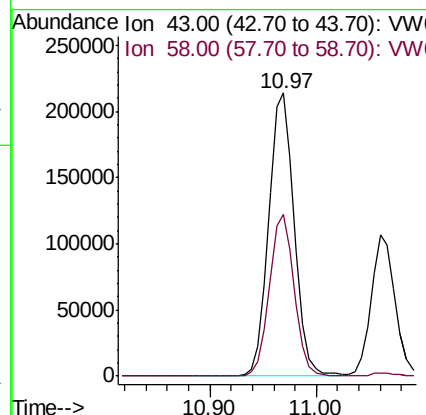
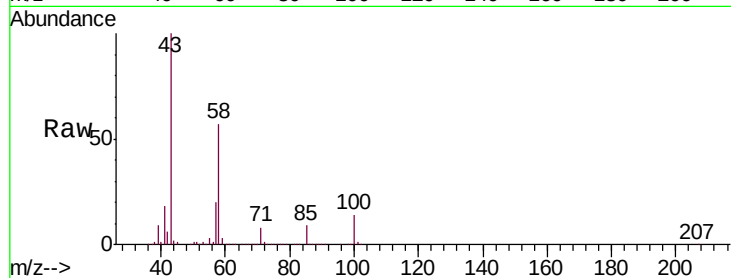




#59  
2-Hexanone  
Concen: 264.898 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

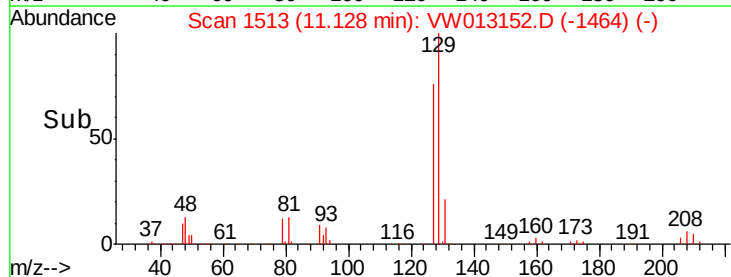
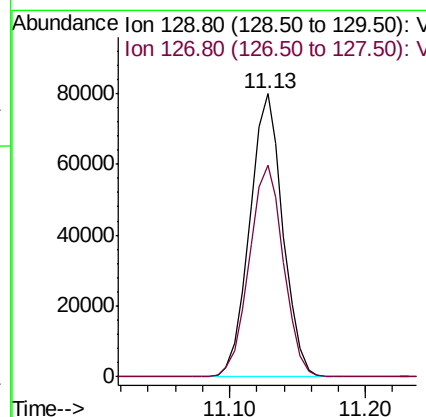
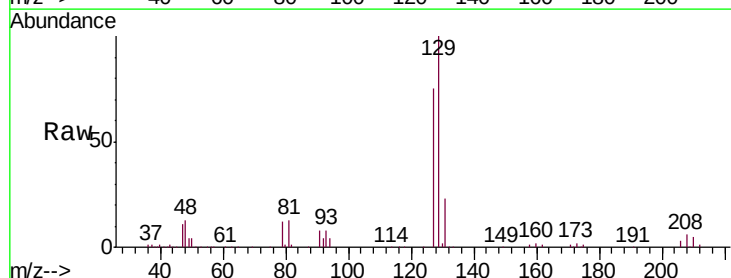
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

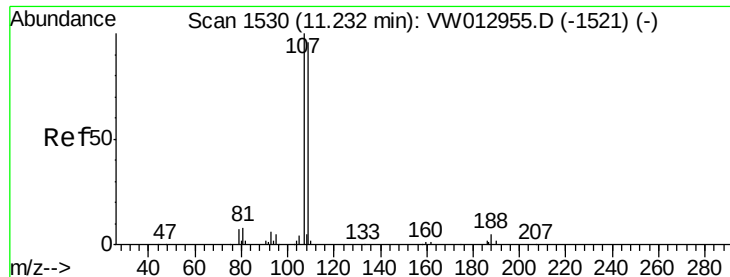
Tgt Ion: 43 Resp: 358798  
Ion Ratio Lower Upper  
43 100  
58 55.8 25.8 77.3



#60  
Dibromochloromethane  
Concen: 56.235 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 129 Resp: 136068  
Ion Ratio Lower Upper  
129 100  
127 77.2 37.4 112.2

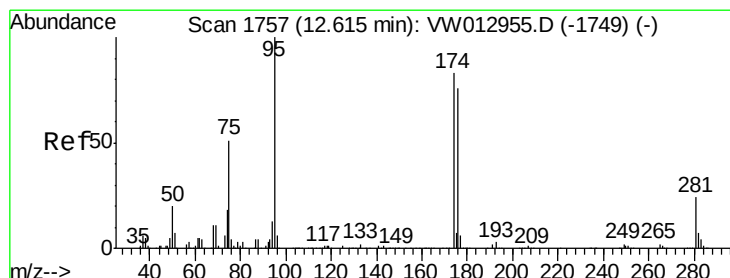
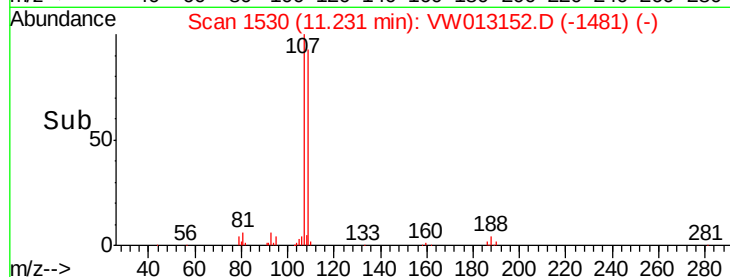
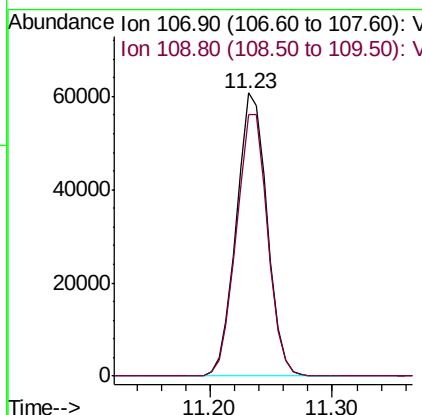
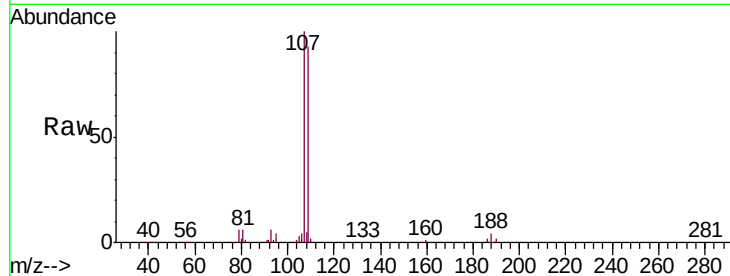




#61  
 1,2-Dibromoethane  
 Concen: 58.027 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

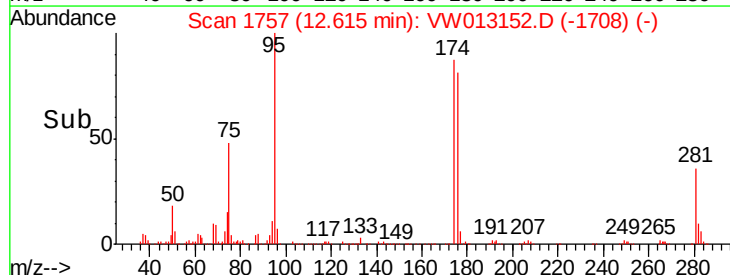
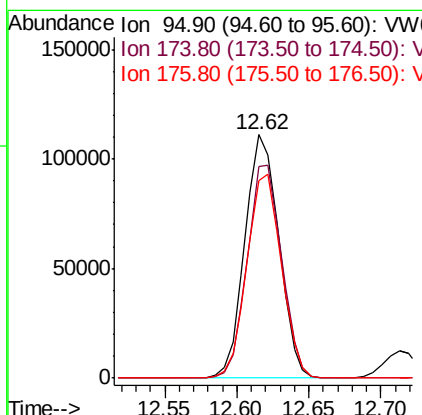
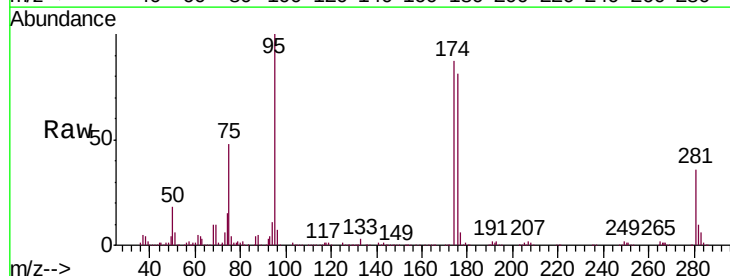
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

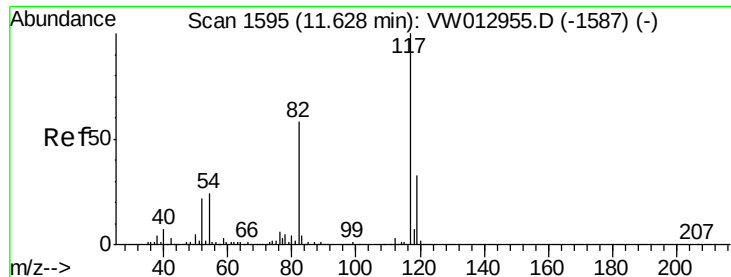
Tgt Ion: 107 Resp: 105940  
 Ion Ratio Lower Upper  
 107 100  
 109 93.9 75.0 112.6



#62  
 4-Bromofluorobenzene  
 Concen: 51.245 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Tgt Ion: 95 Resp: 181018  
 Ion Ratio Lower Upper  
 95 100  
 174 88.5 0.0 170.4  
 176 84.8 0.0 164.6

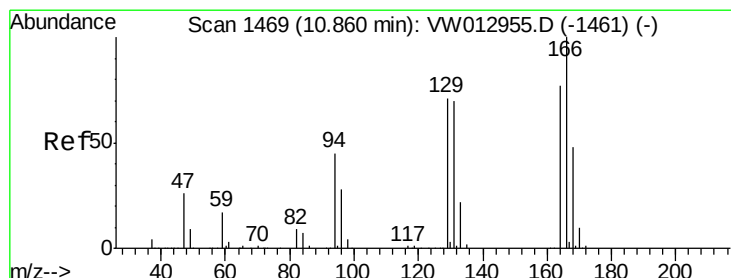
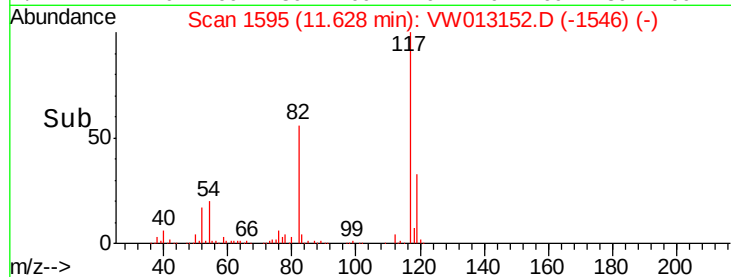
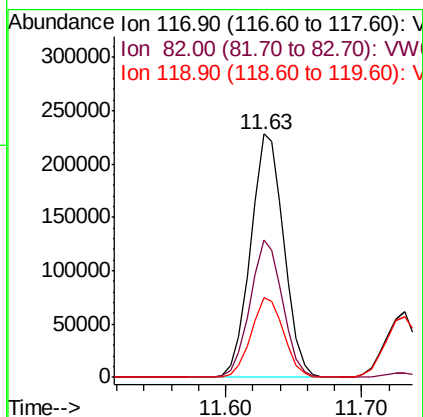
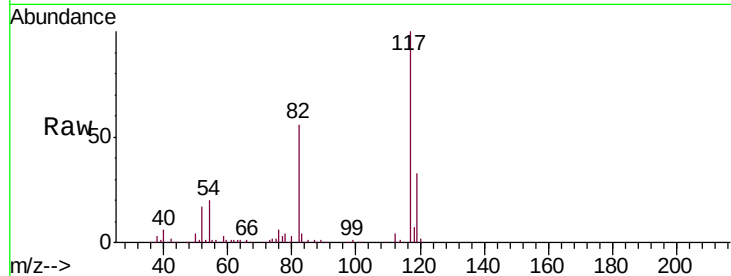




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

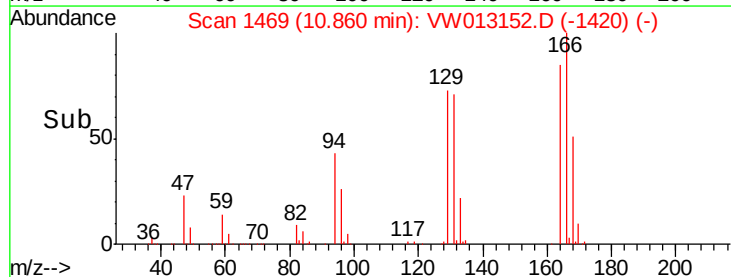
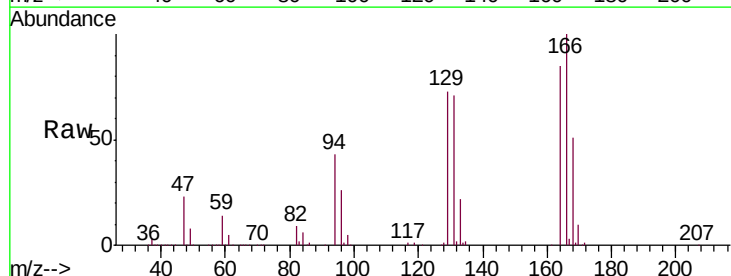
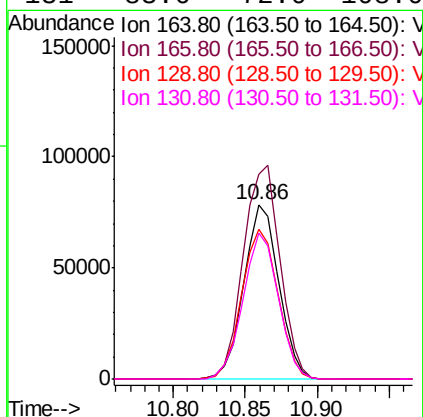
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

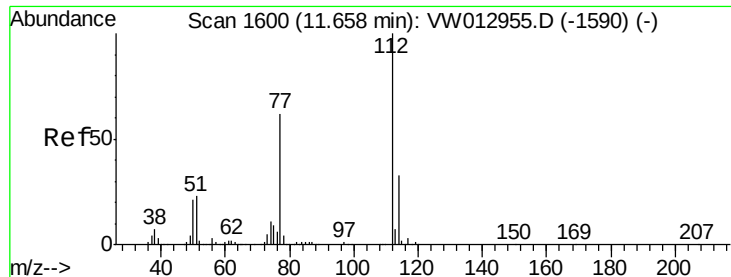
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.2  | 46.3  | 69.5  |
| 119     | 32.5  | 26.2  | 39.4  |



#64  
Tetrachloroethene  
Concen: 56.631 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 117.2 | 103.3 | 154.9 |
| 129     | 85.9  | 73.8  | 110.8 |
| 131     | 83.6  | 72.0  | 108.0 |

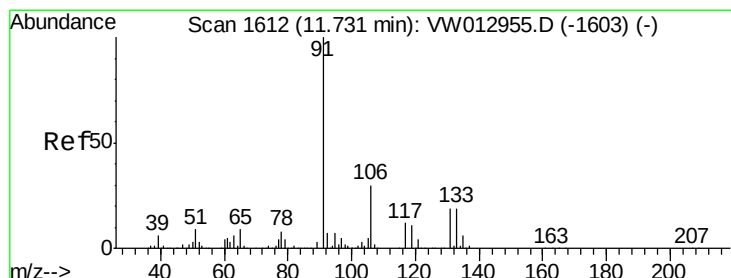
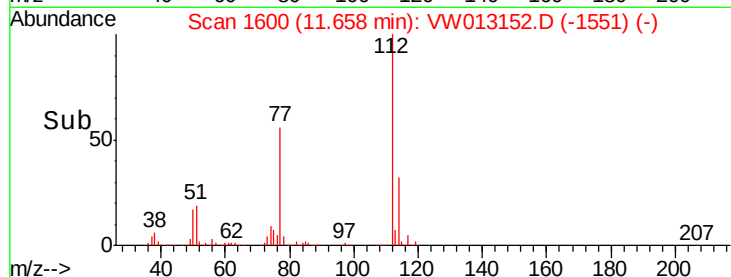
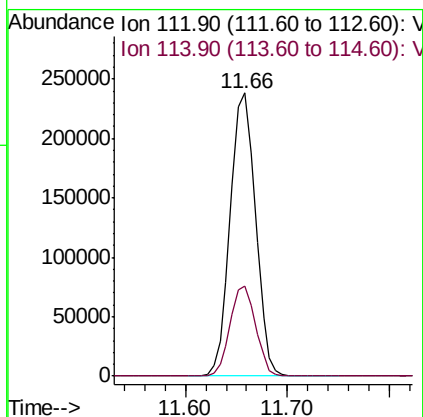
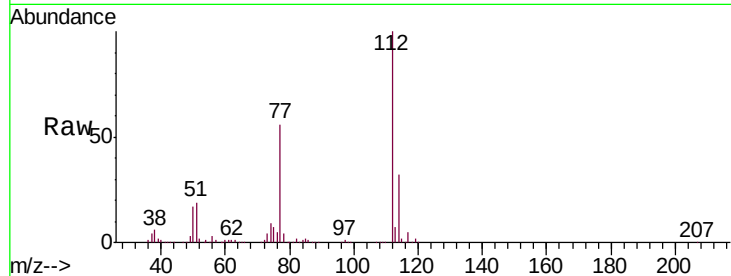




#65  
Chlorobenzene  
Concen: 58.802 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

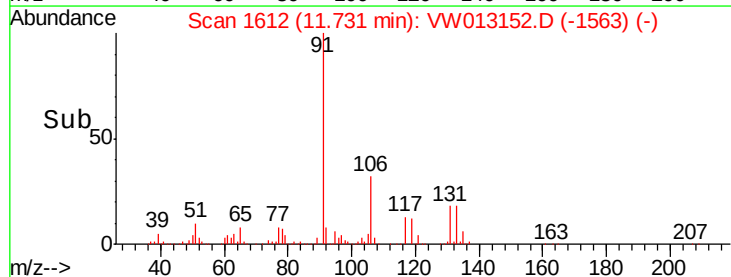
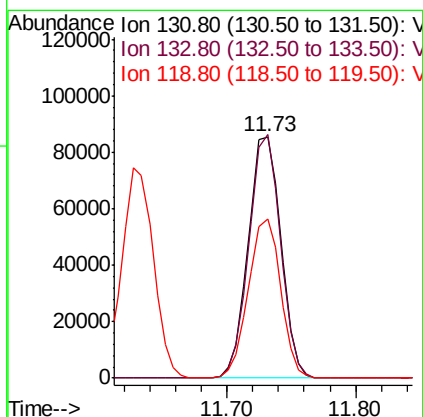
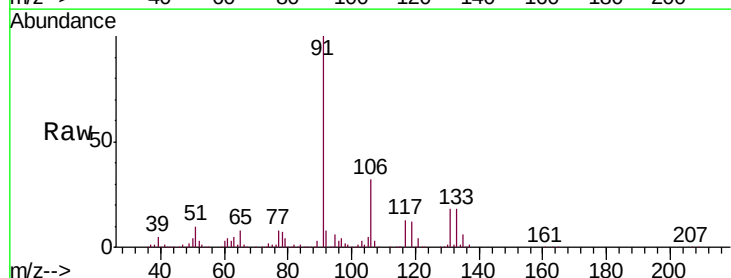
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

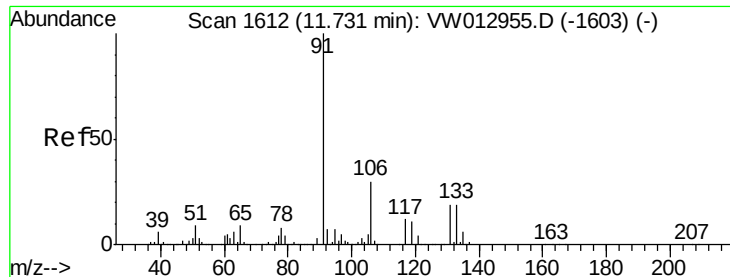
Tgt Ion:112 Resp: 408696  
Ion Ratio Lower Upper  
112 100  
114 32.1 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 56.322 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion:131 Resp: 150016  
Ion Ratio Lower Upper  
131 100  
133 97.0 47.9 143.8  
119 65.1 30.9 92.7

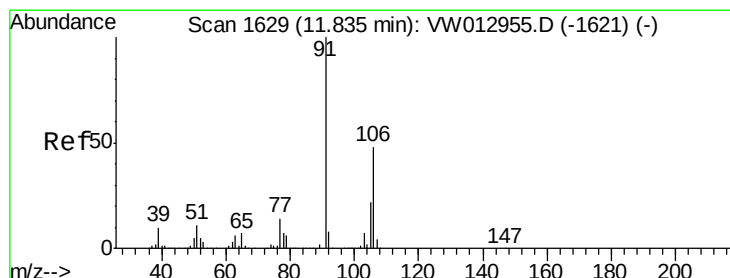
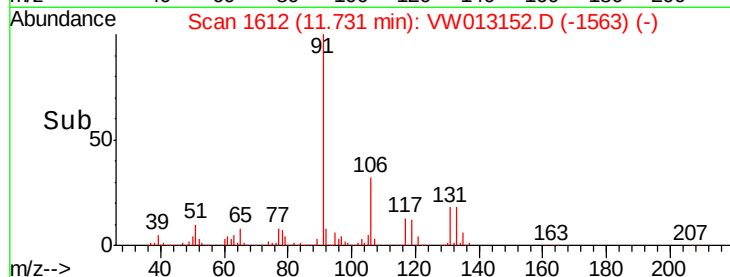
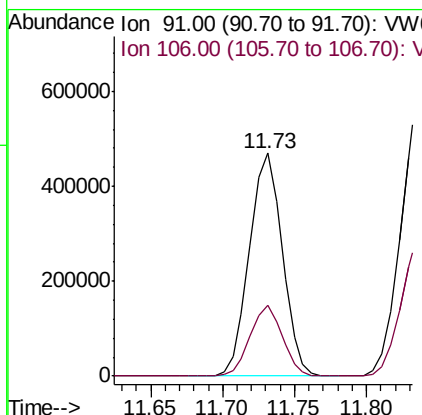
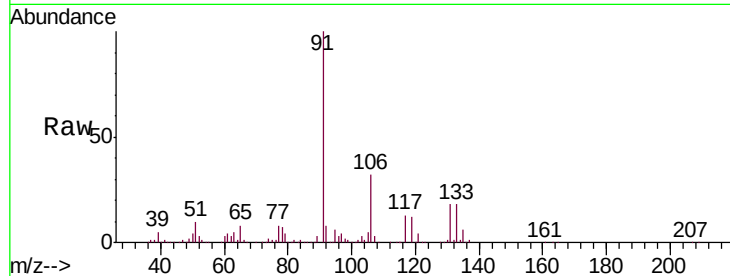




#67  
Ethyl Benzene  
Concen: 57.999 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

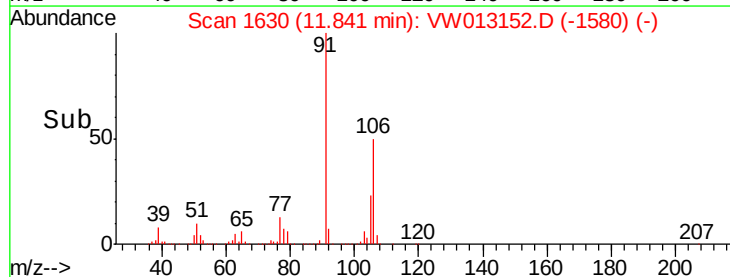
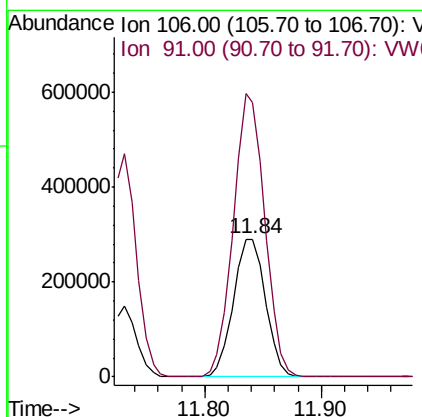
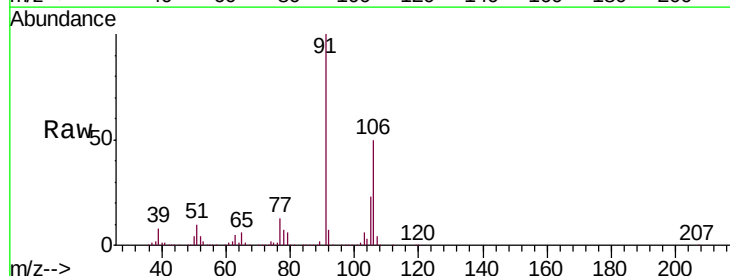
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

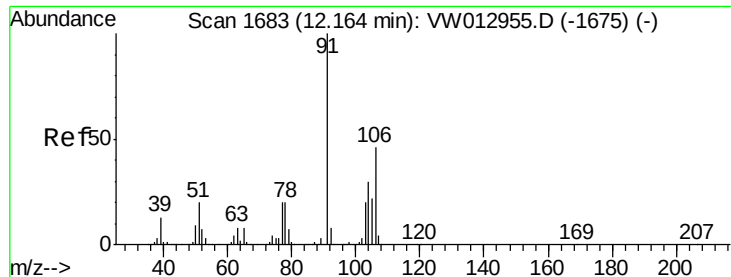
Tgt Ion: 91 Resp: 744513  
Ion Ratio Lower Upper  
91 100  
106 31.9 24.3 36.5



#68  
m/p-Xylenes  
Concen: 119.791 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.01 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 106 Resp: 561748  
Ion Ratio Lower Upper  
106 100  
91 199.4 165.8 248.8

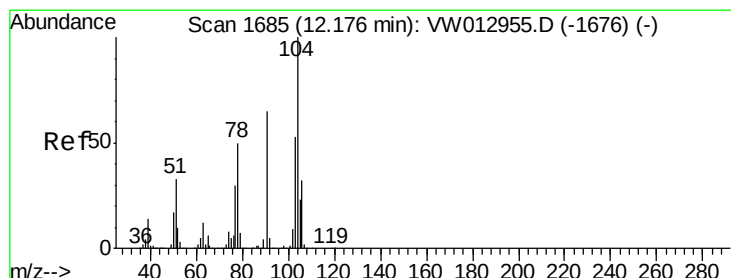
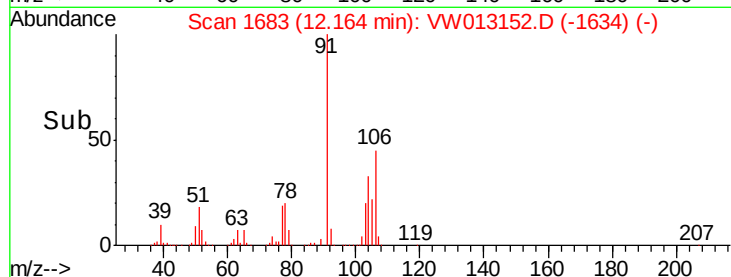
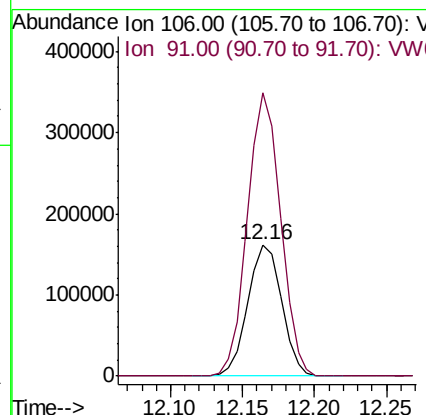
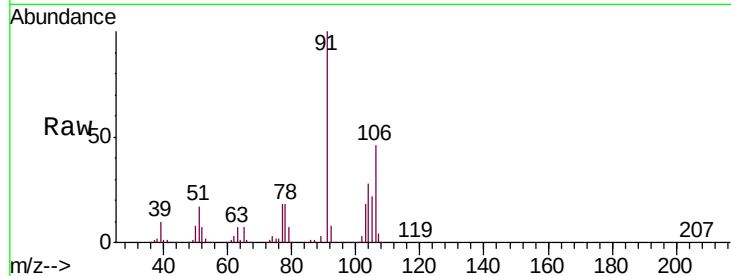




#69  
o-Xylene  
Concen: 59.849 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

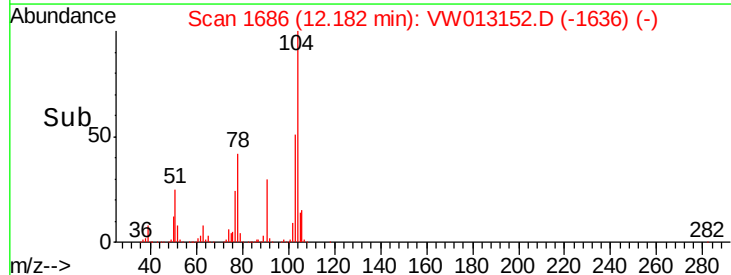
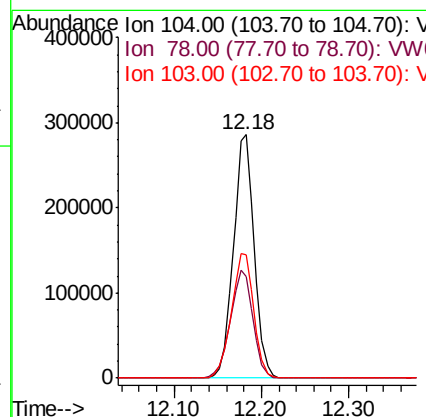
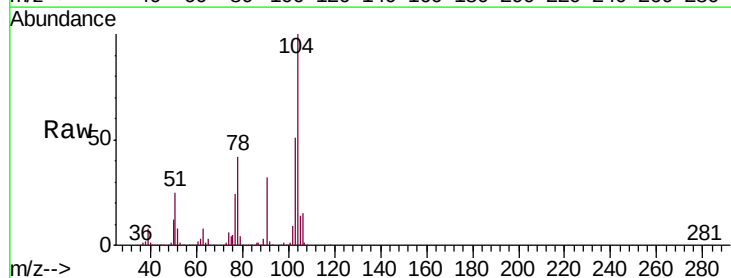
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

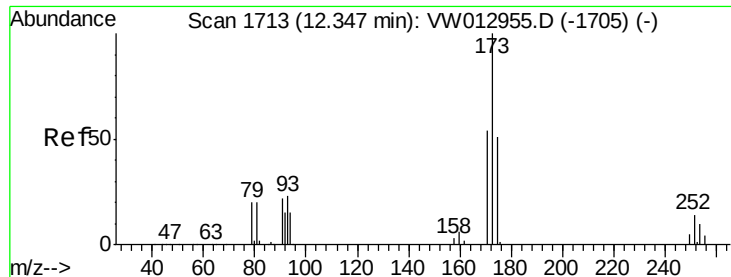
Tgt Ion:106 Resp: 263119  
Ion Ratio Lower Upper  
106 100  
91 212.1 109.7 329.0



#70  
Styrene  
Concen: 60.295 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.01 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion:104 Resp: 471547  
Ion Ratio Lower Upper  
104 100  
78 47.8 42.1 63.1  
103 55.1 44.2 66.4





#71

Bromoform

Concen: 58.608 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

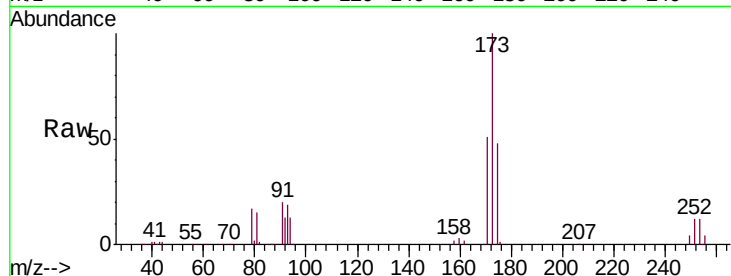
Tgt Ion:173 Resp: 81997

Ion Ratio Lower Upper

173 100

175 48.0 24.2 72.6

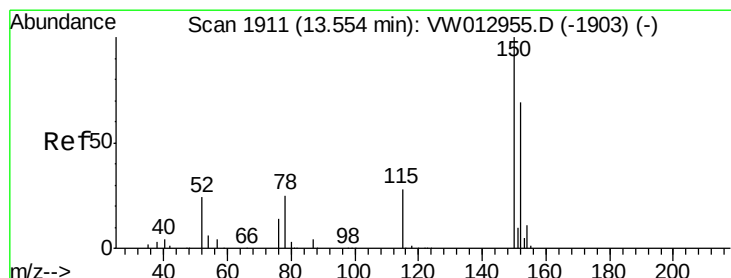
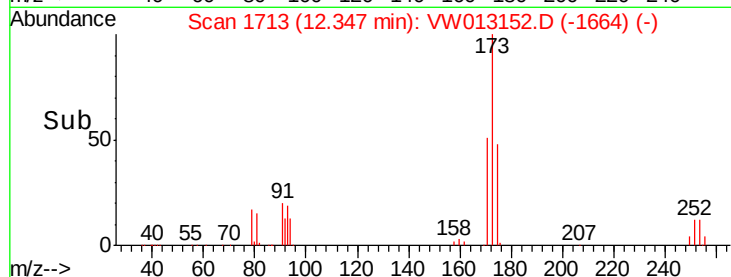
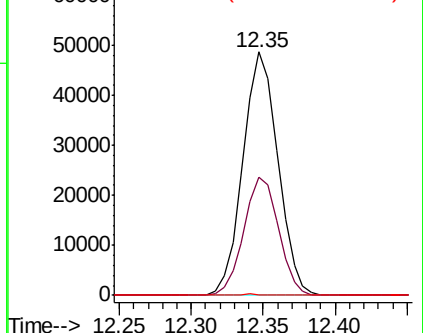
254 0.2 0.1 0.1#



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. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

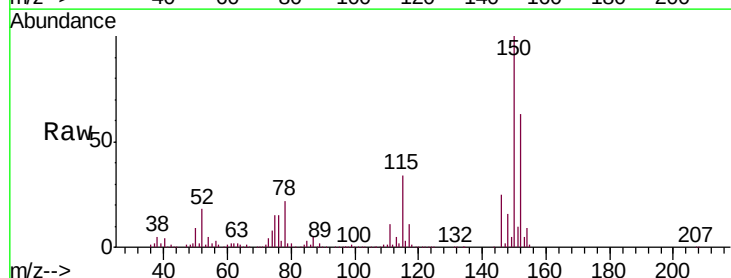
Tgt Ion:152 Resp: 199742

Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.4

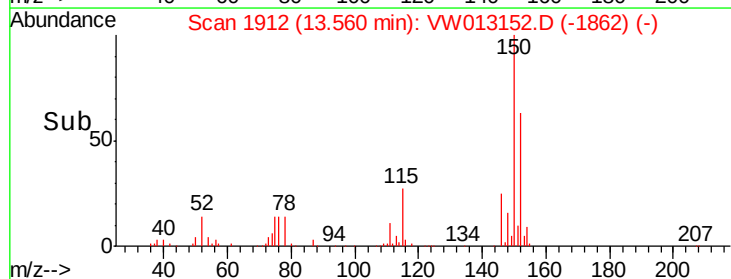
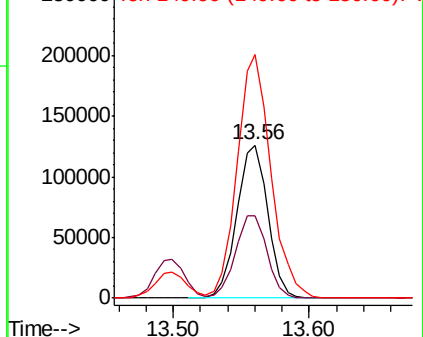
150 173.1 0.0 340.2



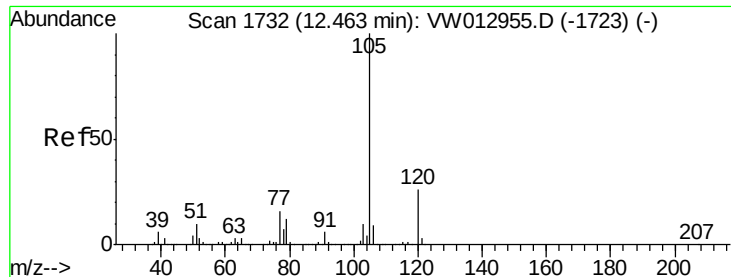
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



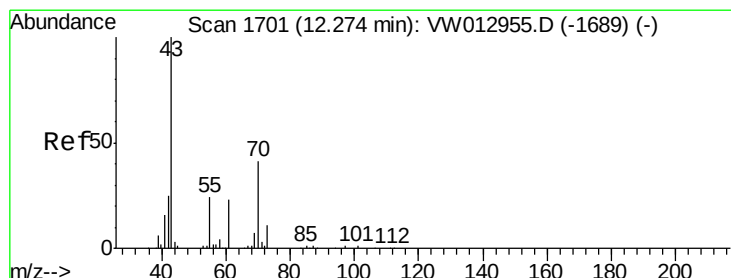
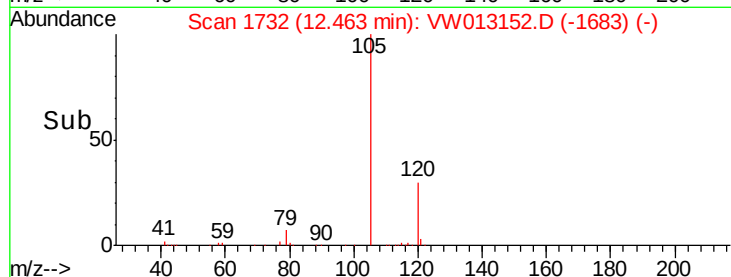
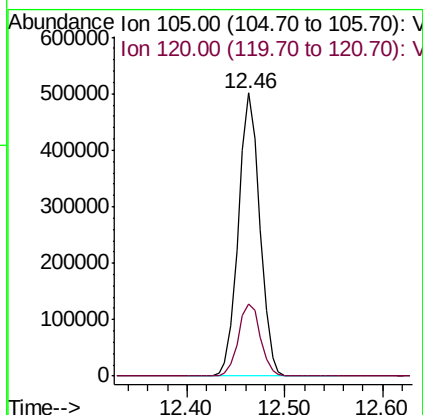
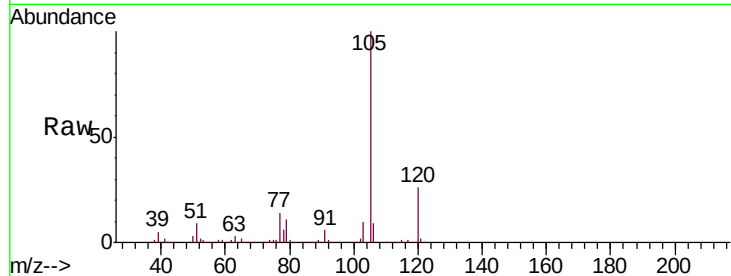




#73  
Isopropylbenzene  
Concen: 57.534 ug/l  
RT: 12.46 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

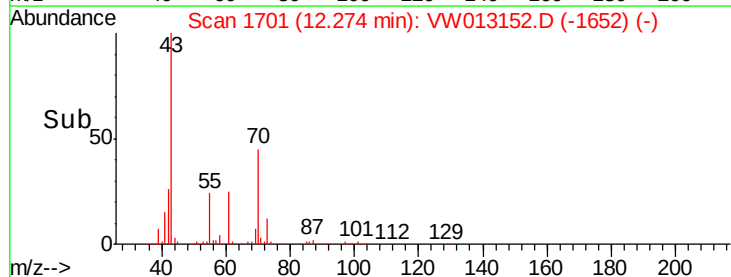
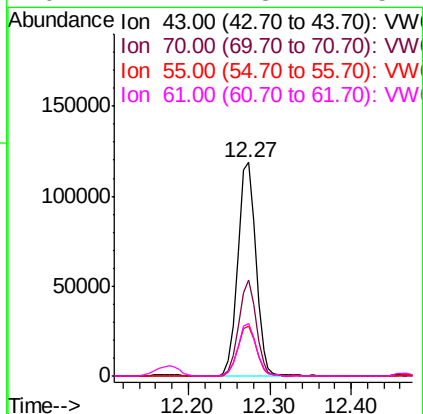
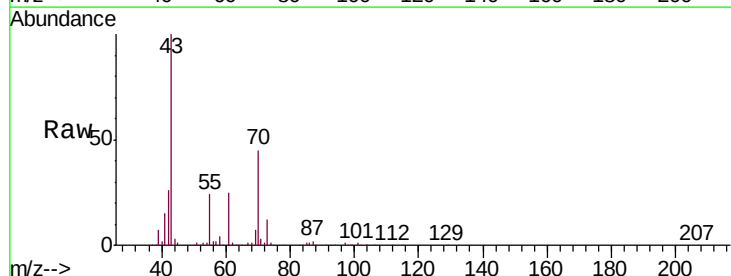
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

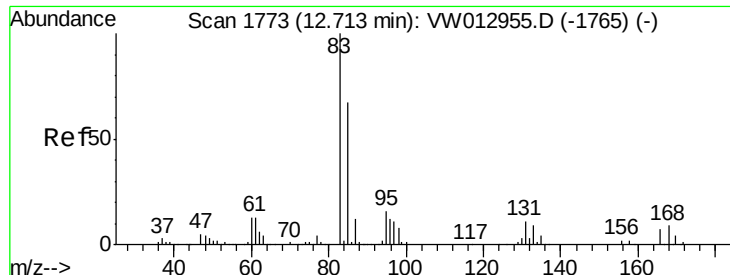
Tgt Ion: 105 Resp: 761721  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.0 39.0



#74  
N-ethyl acetate  
Concen: 53.027 ug/l  
RT: 12.27 min Scan# 1701  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Tgt Ion: 43 Resp: 180595  
Ion Ratio Lower Upper  
43 100  
70 43.4 31.7 47.5  
55 24.1 19.4 29.2  
61 24.7 18.7 28.1

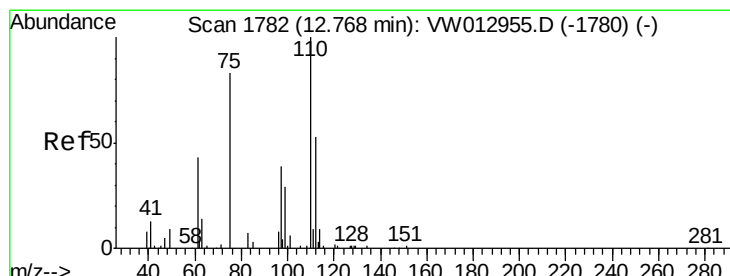
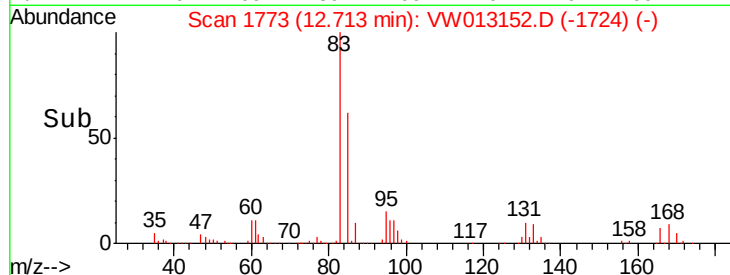
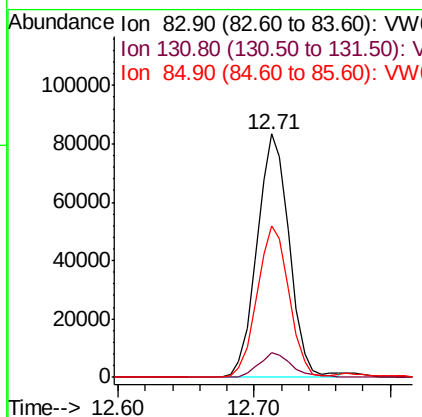
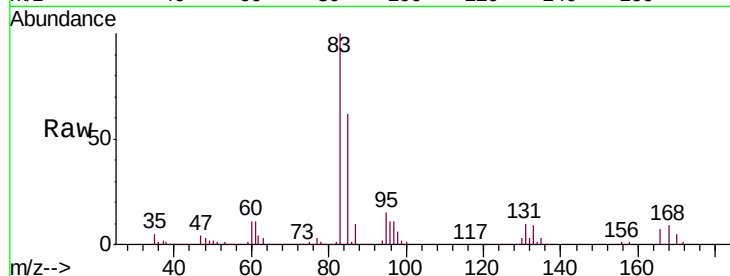




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 59.568 ug/l  
 RT: 12.71 min Scan# 1773  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

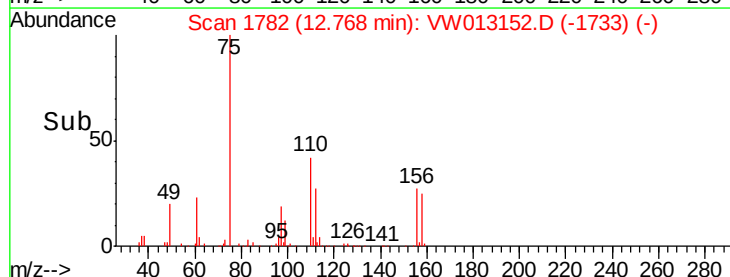
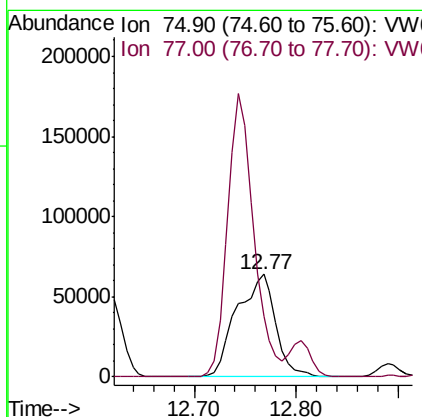
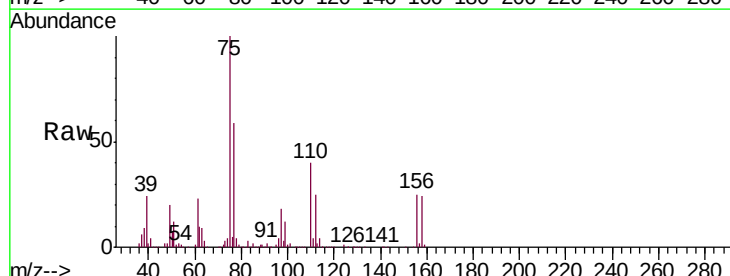
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

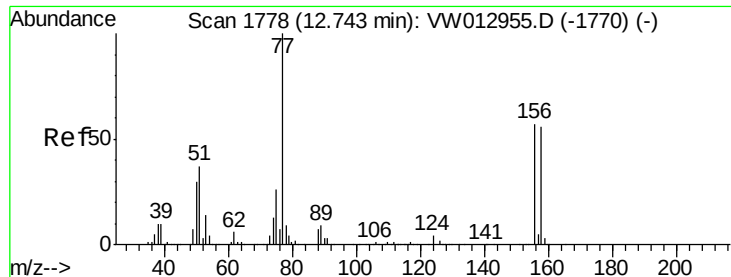
Tgt Ion: 83 Resp: 138516  
 Ion Ratio Lower Upper  
 83 100  
 131 10.5 5.7 17.1  
 85 61.6 31.4 94.3



#76  
 1,2,3-Trichloropropane  
 Concen: 97.366 ug/l  
 RT: 12.77 min Scan# 1782  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Tgt Ion: 75 Resp: 170349  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 58.174 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

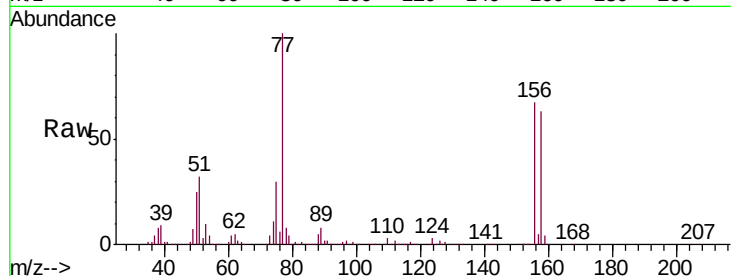
Tgt Ion:156 Resp: 177433

Ion Ratio Lower Upper

156 100

77 177.8 95.2 285.6

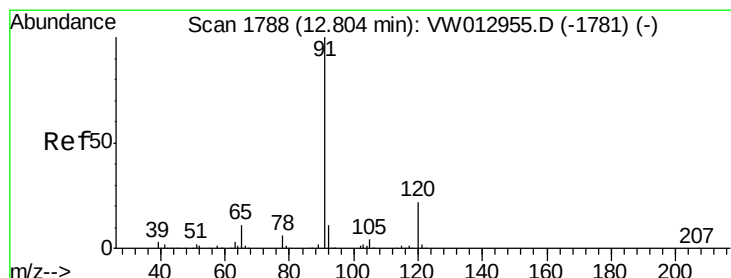
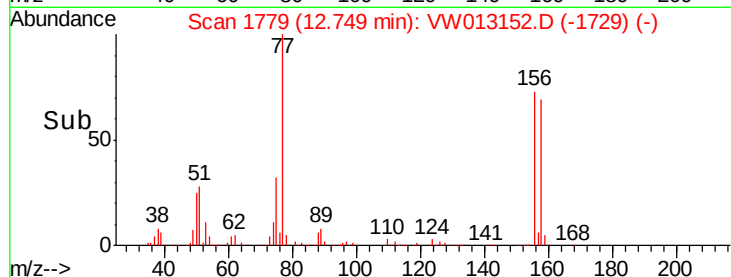
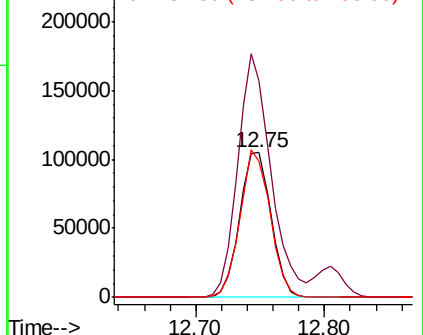
158 96.6 49.0 147.2



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: 56.400 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013152.D

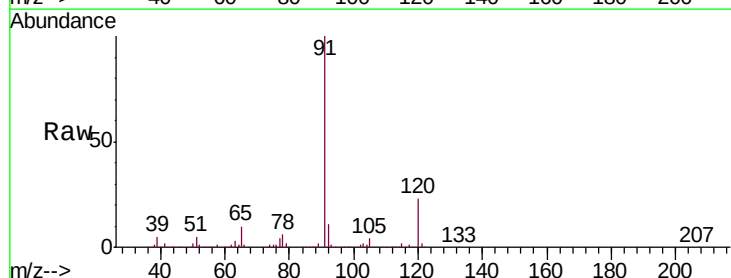
Acq: 19 Sep 2019 11:03

Tgt Ion: 91 Resp: 878346

Ion Ratio Lower Upper

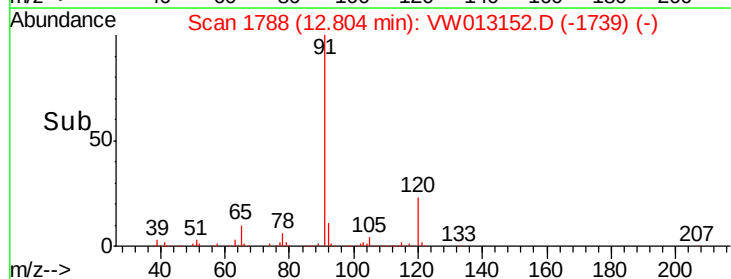
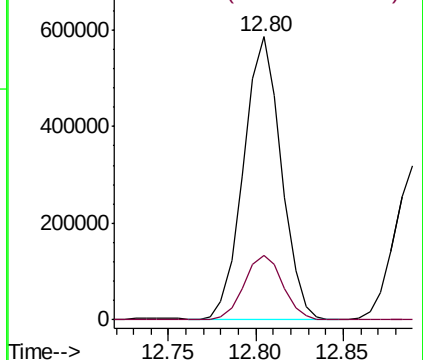
91 100

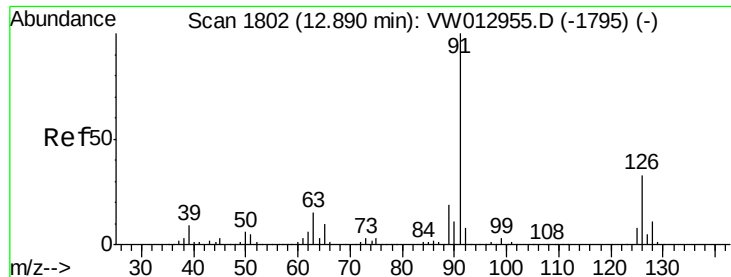
120 23.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.759 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

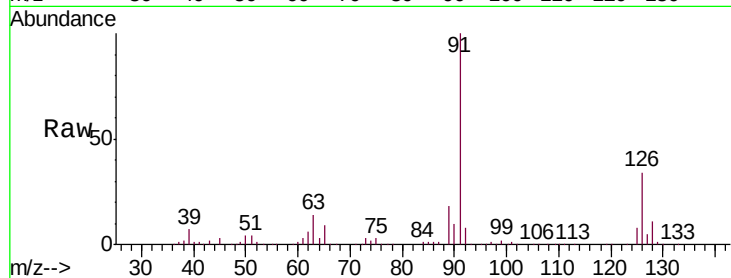
VSTDCCC050

Tgt Ion: 91 Resp: 499189

Ion Ratio Lower Upper

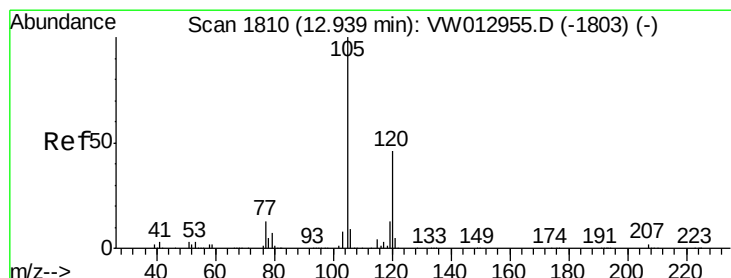
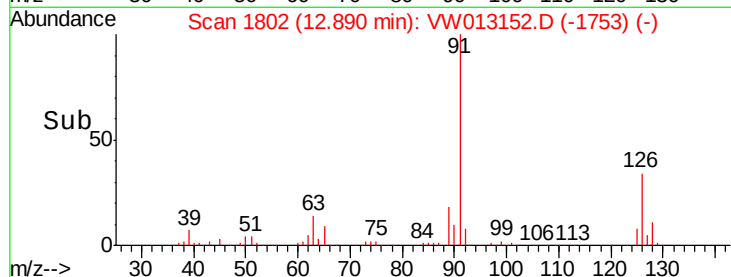
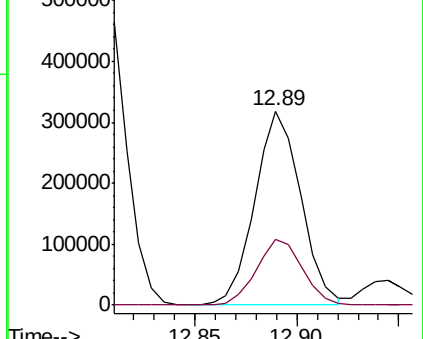
91 100

126 34.1 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.148 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013152.D

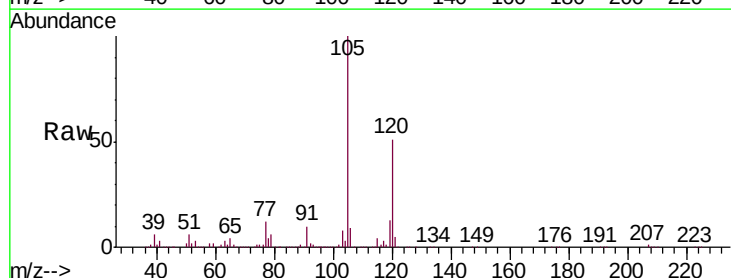
Acq: 19 Sep 2019 11:03

Tgt Ion: 105 Resp: 628889

Ion Ratio Lower Upper

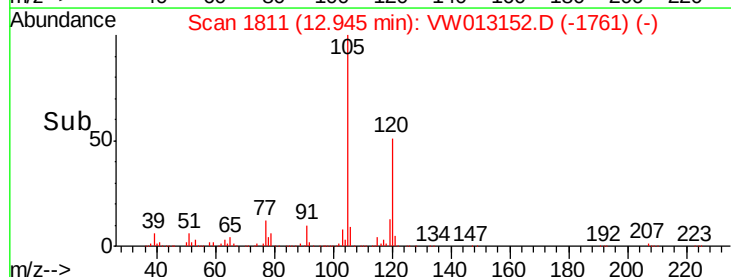
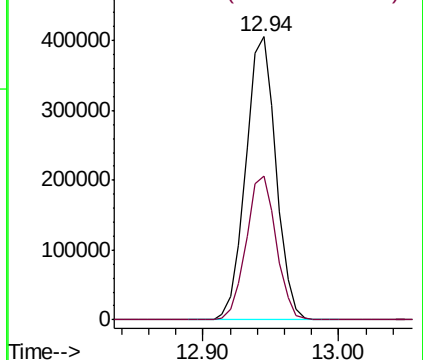
105 100

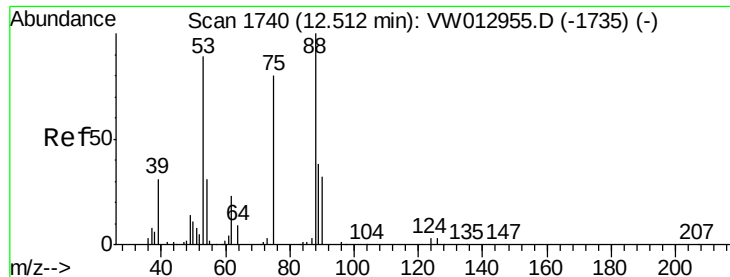
120 50.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 57.073 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

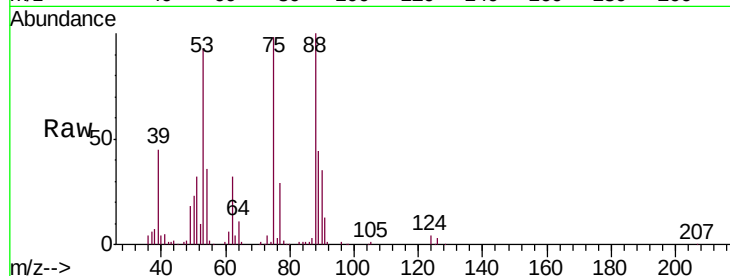
Tgt Ion: 75 Resp: 44018

Ion Ratio Lower Upper

75 100

53 96.2 85.6 128.4

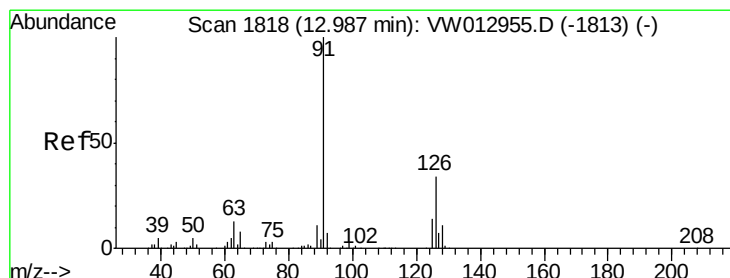
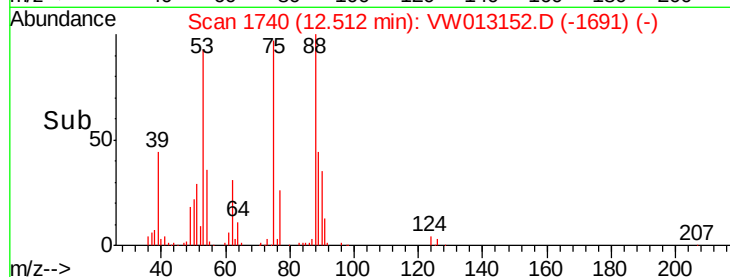
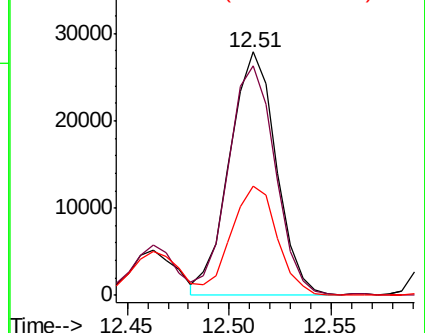
89 44.1 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 55.126 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013152.D

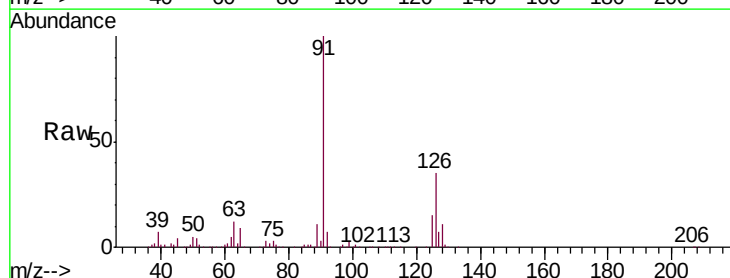
Acq: 19 Sep 2019 11:03

Tgt Ion: 91 Resp: 520713

Ion Ratio Lower Upper

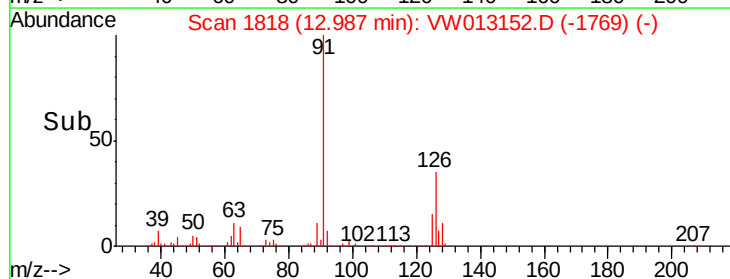
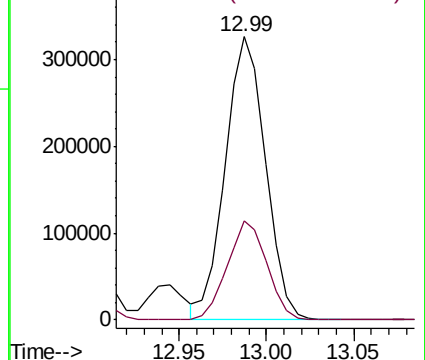
91 100

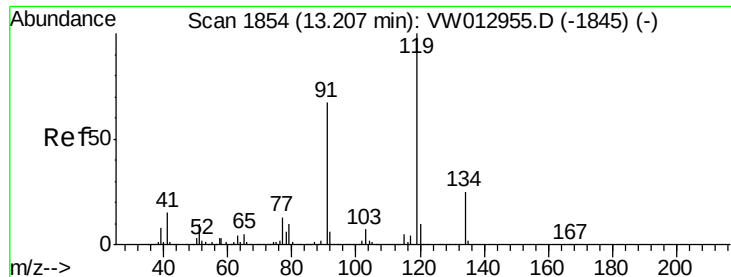
126 34.5 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

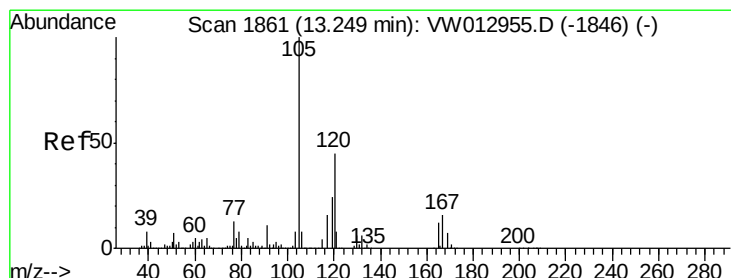
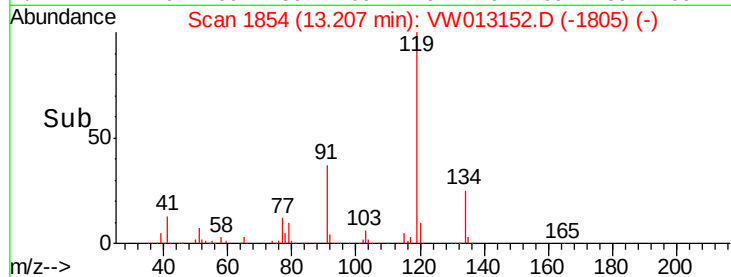
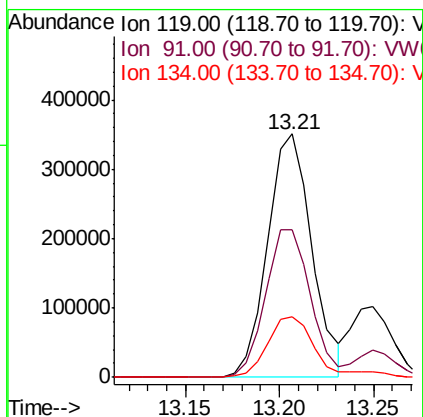
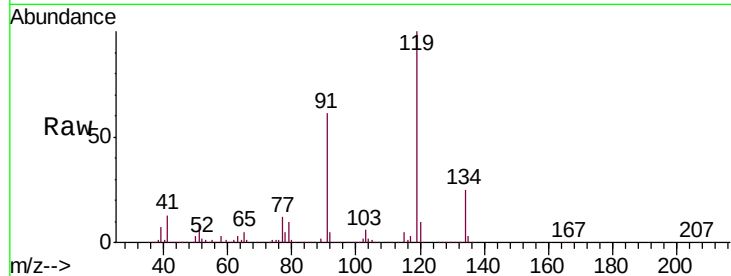




#83  
 tert-Butylbenzene  
 Concen: 57.158 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

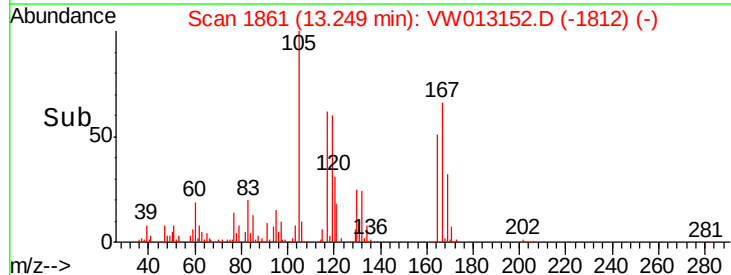
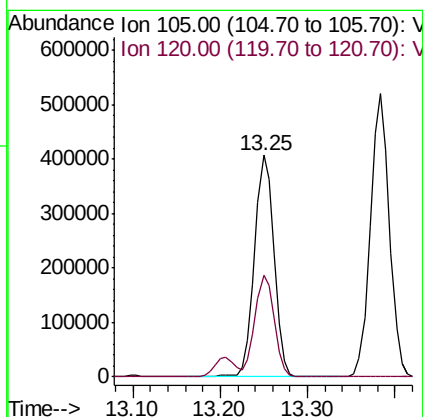
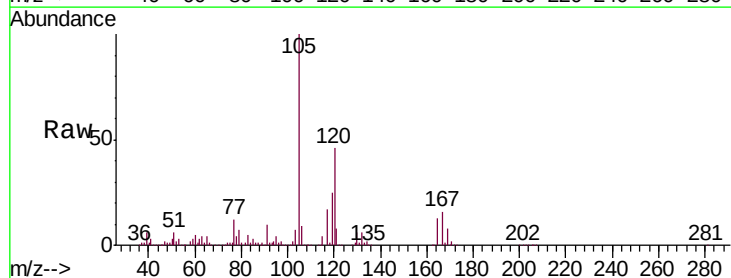
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

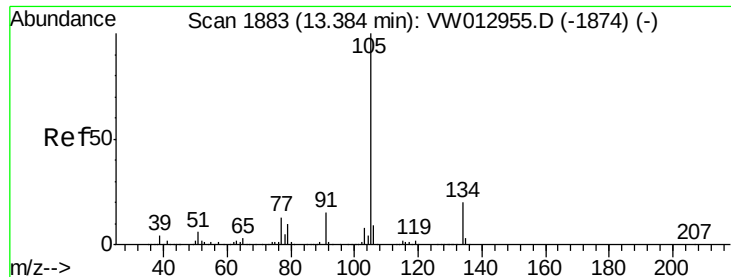
Tgt Ion:119 Resp: 572636  
 Ion Ratio Lower Upper  
 119 100  
 91 61.6 32.6 98.0  
 134 27.3 12.4 37.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 56.849 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Tgt Ion:105 Resp: 629199  
 Ion Ratio Lower Upper  
 105 100  
 120 45.5 21.9 65.7

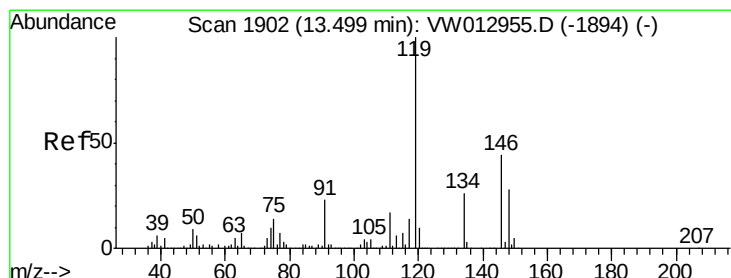
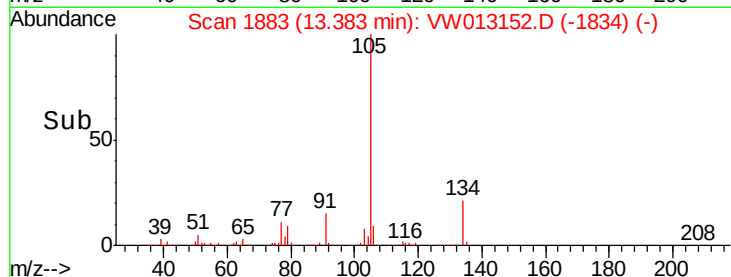
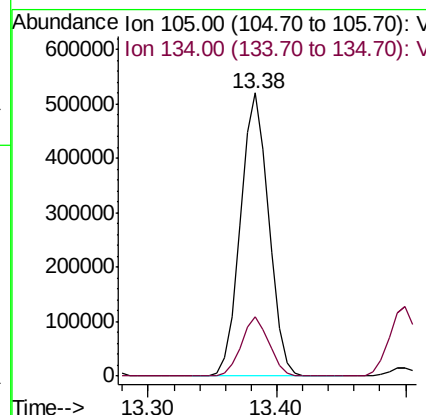
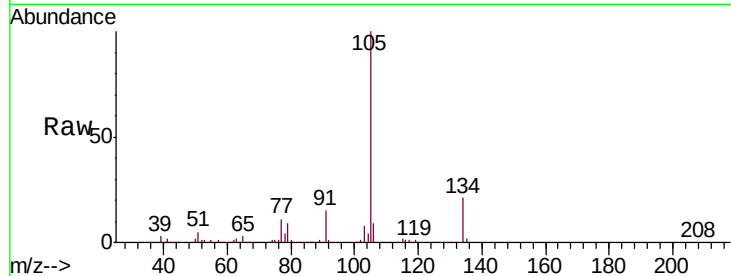




#85  
 sec-Butylbenzene  
 Concen: 57.747 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

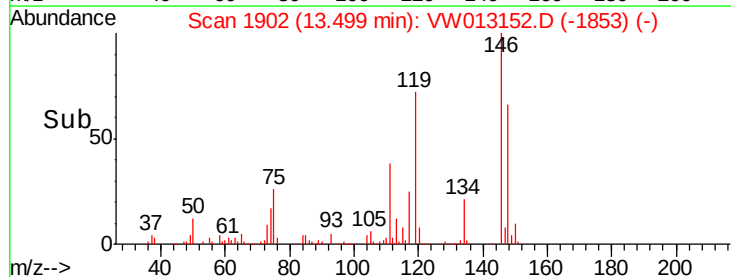
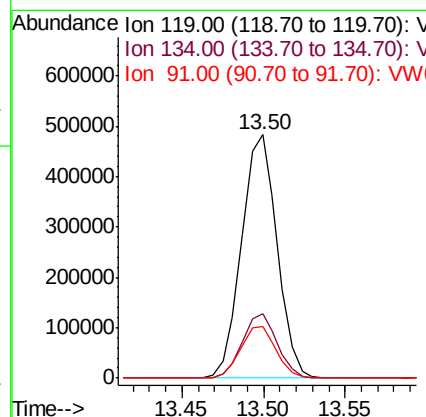
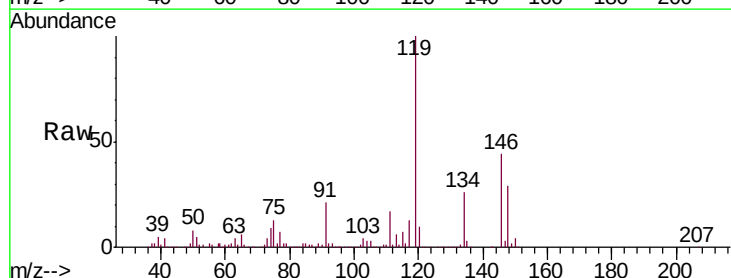
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

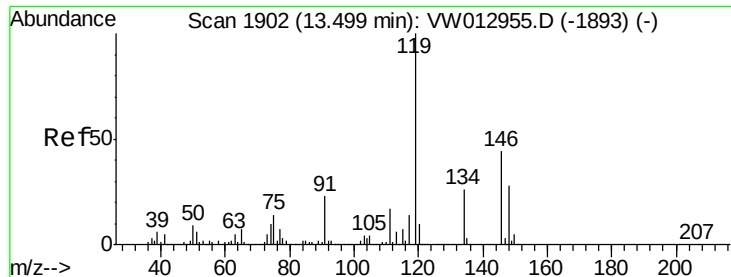
Tgt Ion:105 Resp: 788225  
 Ion Ratio Lower Upper  
 105 100  
 134 20.5 10.2 30.4



#86  
 p-Isopropyltoluene  
 Concen: 58.144 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Tgt Ion:119 Resp: 728656  
 Ion Ratio Lower Upper  
 119 100  
 134 26.1 12.8 38.3  
 91 21.4 11.8 35.4

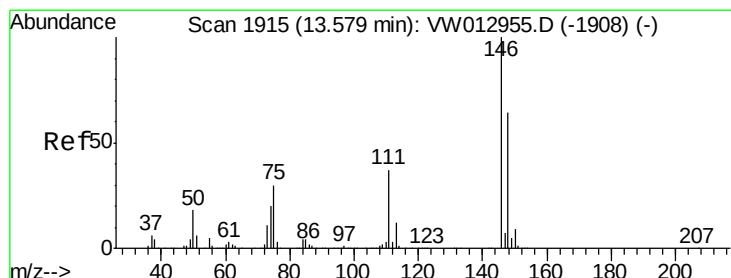
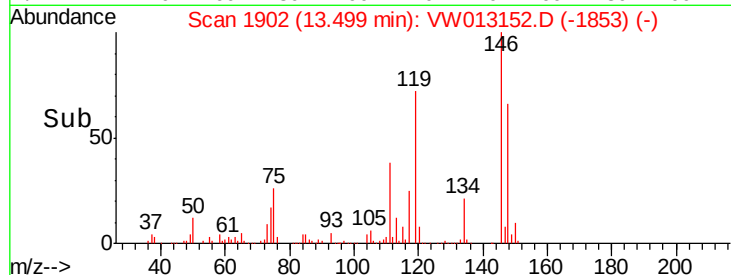
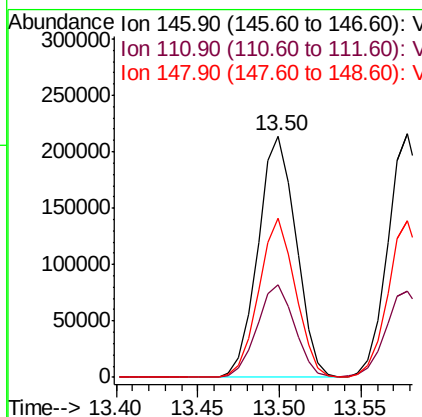
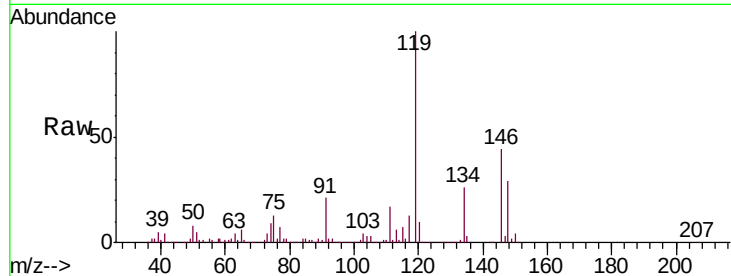




#87  
 1,3-Dichlorobenzene  
 Concen: 57.263 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

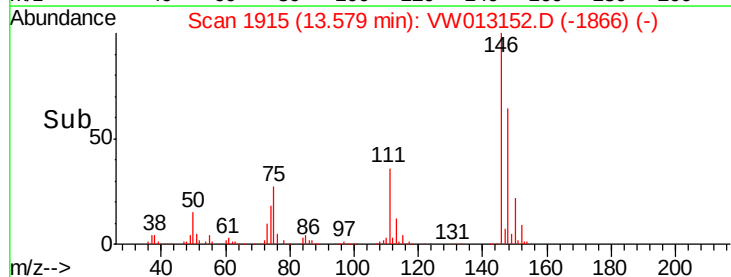
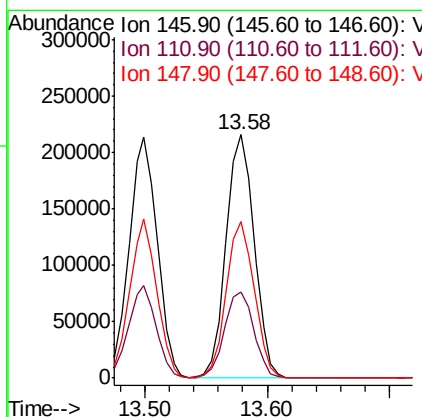
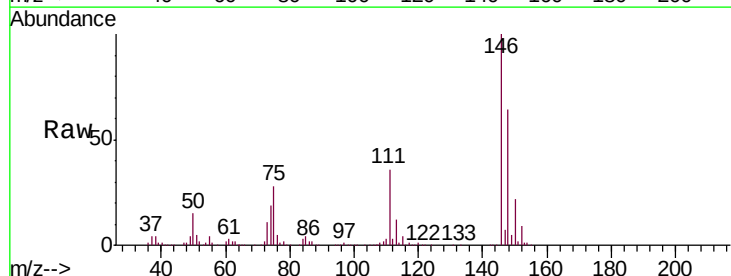
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion:146 Resp: 345744  
 Ion Ratio Lower Upper  
 146 100  
 111 37.9 19.8 59.4  
 148 63.6 31.9 95.7

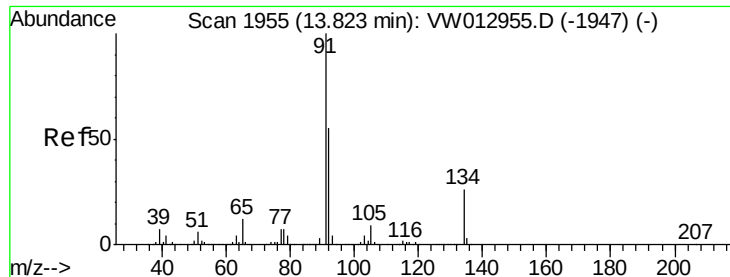


#88  
 1,4-Dichlorobenzene  
 Concen: 57.850 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

Tgt Ion:146 Resp: 343246  
 Ion Ratio Lower Upper  
 146 100  
 111 37.0 19.4 58.2  
 148 63.8 31.9 95.5







#89

n-Butylbenzene

Concen: 56.504 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013152.D

Acq: 19 Sep 2019 11:03

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

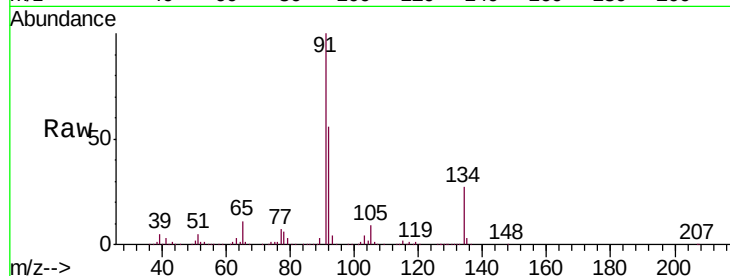
Tgt Ion: 91 Resp: 667804

Ion Ratio Lower Upper

91 100

92 55.4 27.2 81.5

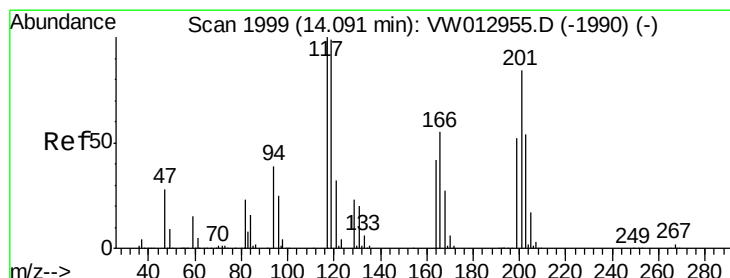
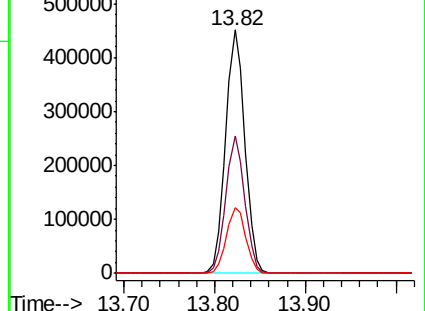
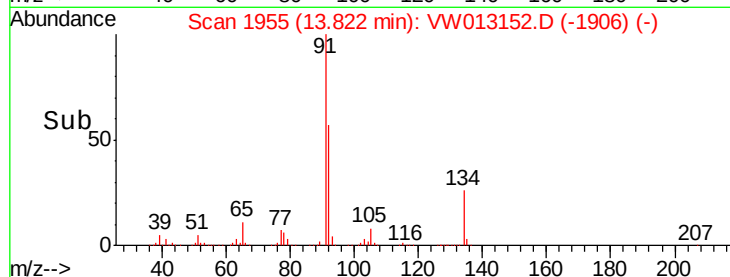
134 27.3 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 55.675 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013152.D

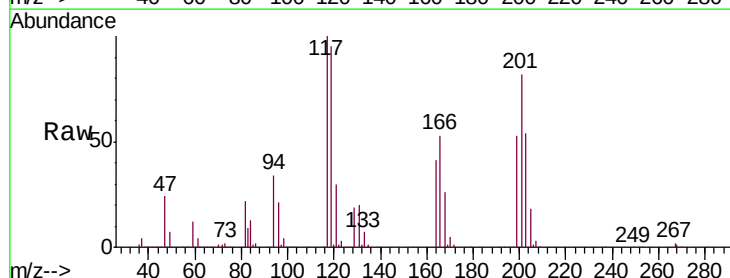
Acq: 19 Sep 2019 11:03

Tgt Ion: 117 Resp: 125034

Ion Ratio Lower Upper

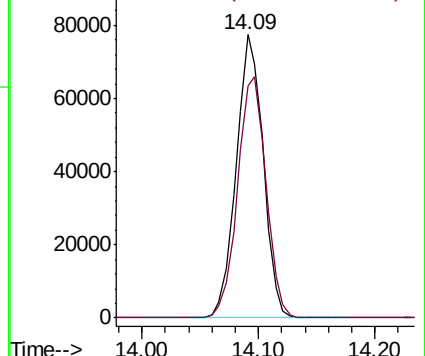
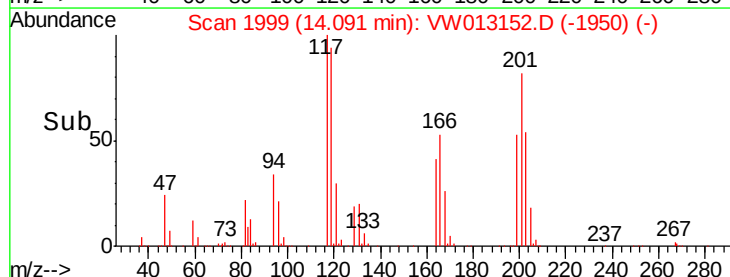
117 100

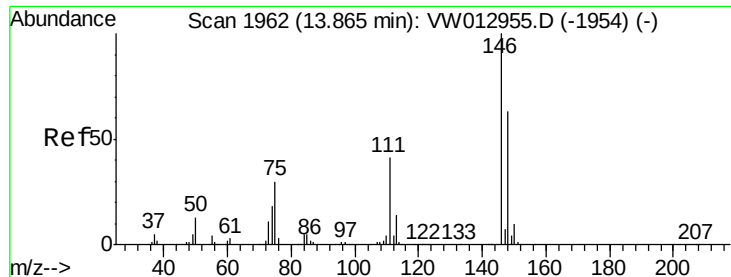
201 89.5 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

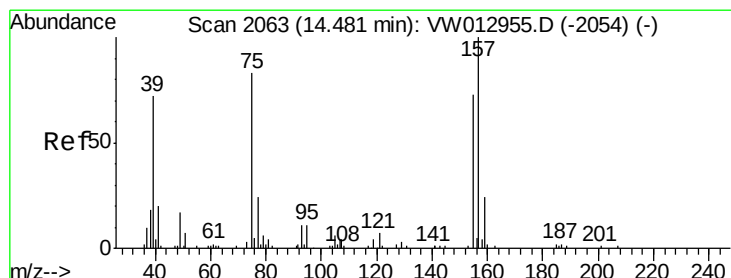
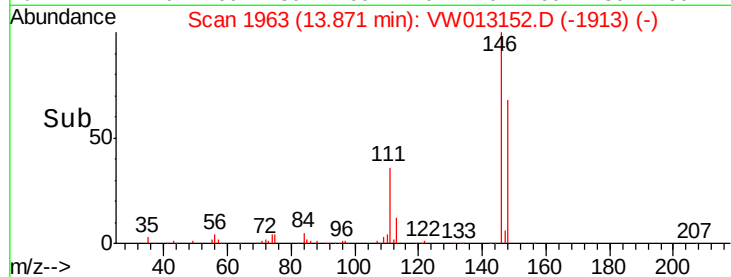
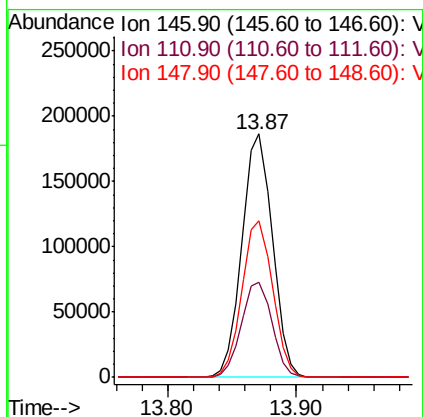
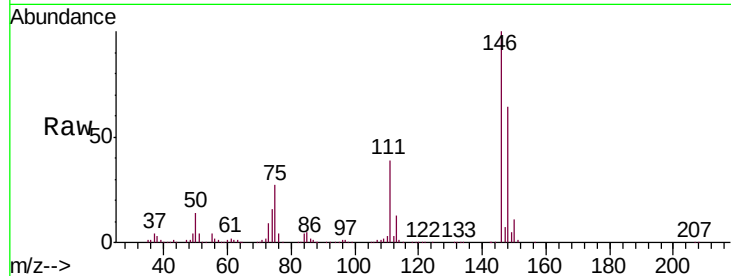




#91  
 1,2-Dichlorobenzene  
 Concen: 57.537 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. 0.01 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

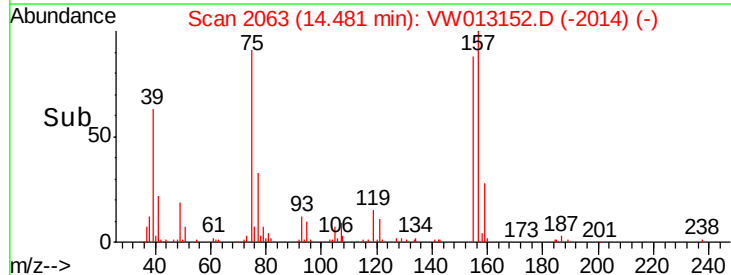
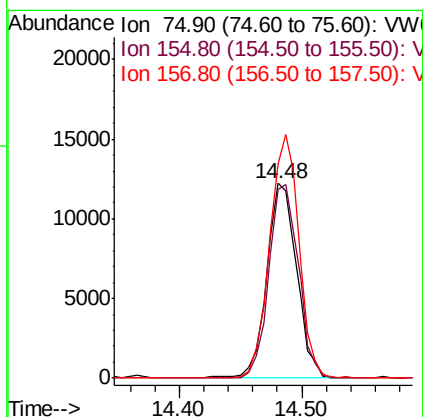
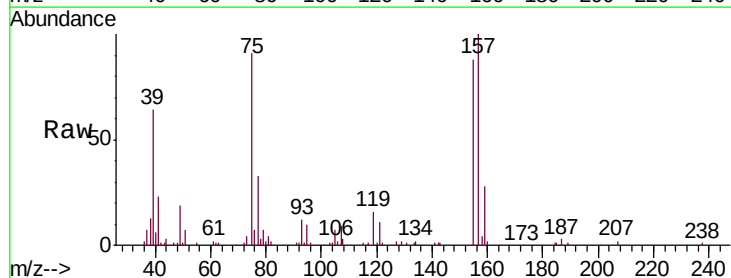
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

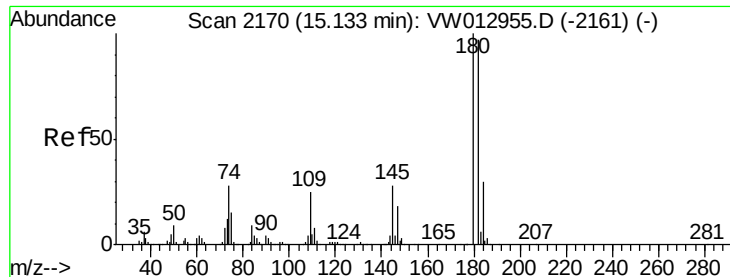
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 20.8  | 62.5  |
| 148     | 64.7  | 32.7  | 98.1  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.708 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 98.3  | 43.3  | 129.9 |
| 157     | 121.9 | 54.7  | 164.1 |

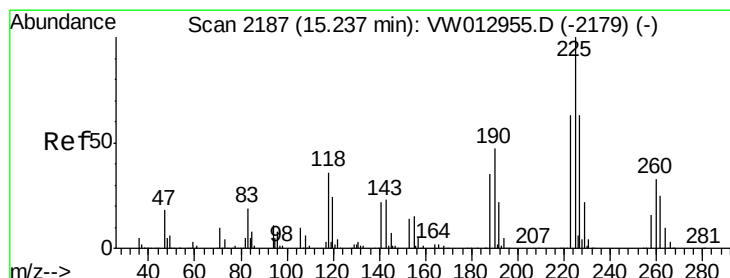
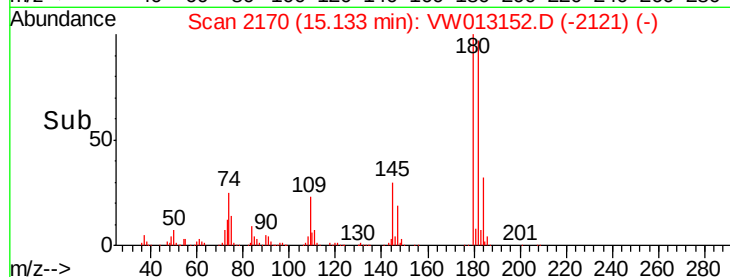
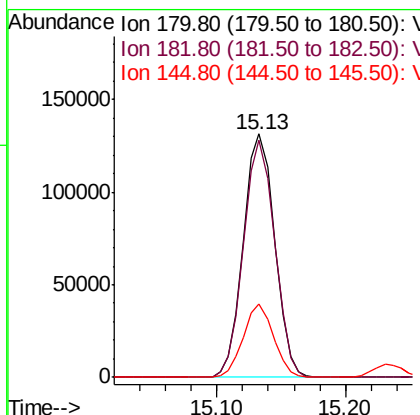
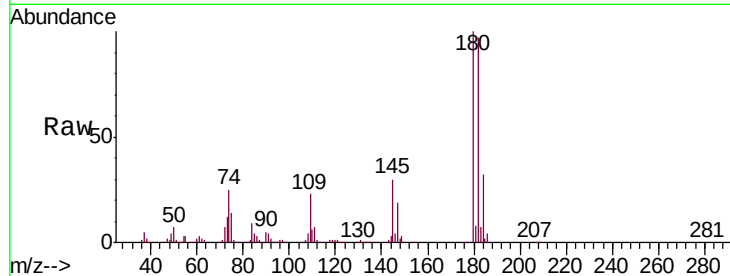




#93  
 1,2,4-Trichlorobenzene  
 Concen: 58.452 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

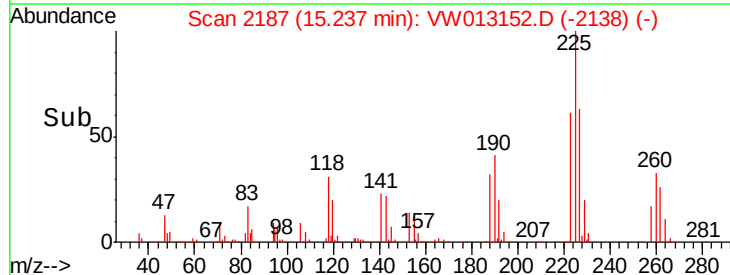
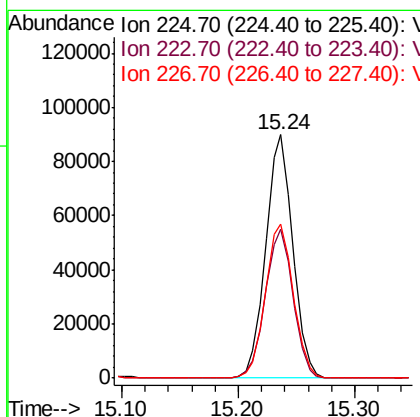
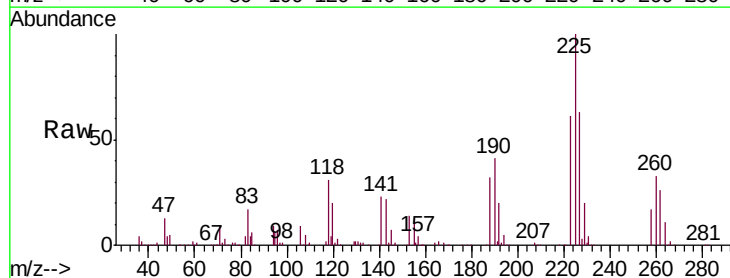
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

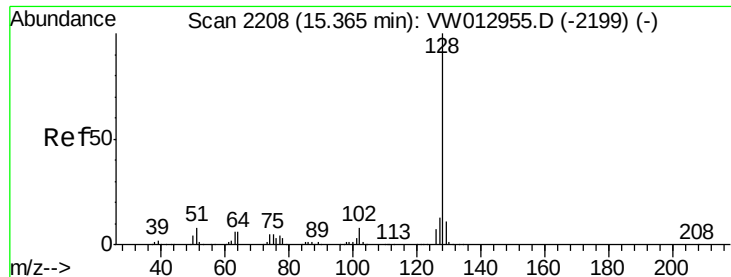
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.5  | 47.4  | 142.2 |
| 145     | 29.1  | 14.9  | 44.7  |



#94  
 Hexachlorobutadiene  
 Concen: 54.251 ug/l  
 RT: 15.24 min Scan# 2187  
 Delta R.T. -0.00 min  
 Lab File: VW013152.D  
 Acq: 19 Sep 2019 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.6  | 31.8  | 95.3  |
| 227     | 65.6  | 31.3  | 93.8  |

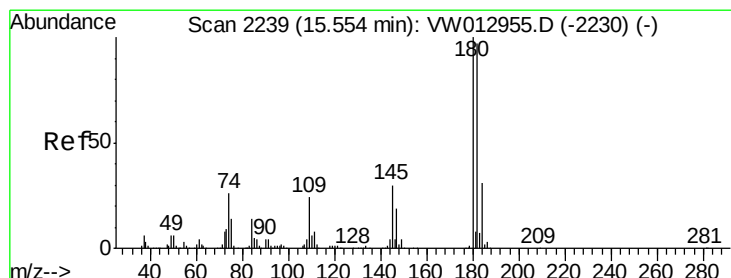
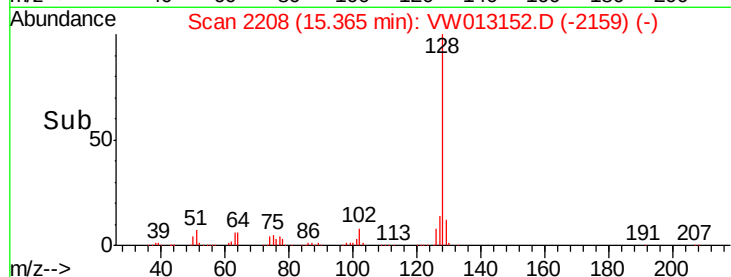
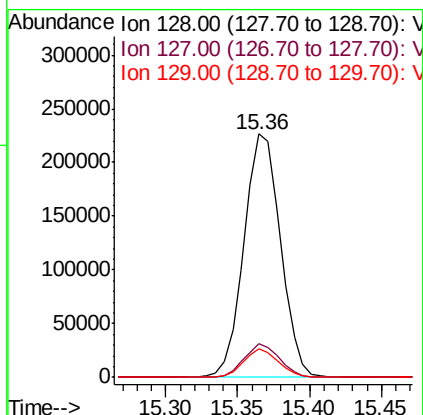
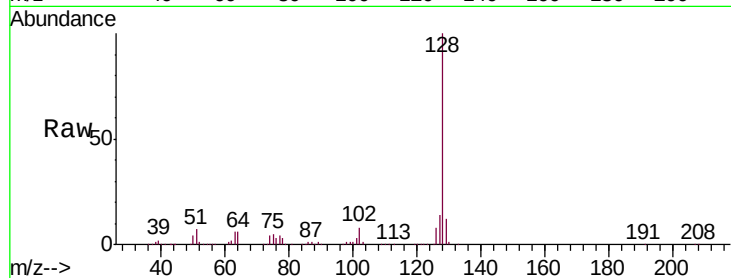




#95  
Naphthalene  
Concen: 62.766 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 11.0  | 16.6  |
| 129     | 11.0  | 8.6   | 12.8  |



#96  
1,2,3-Trichlorobenzene  
Concen: 59.181 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. -0.00 min  
Lab File: VW013152.D  
Acq: 19 Sep 2019 11:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 47.6  | 142.8 |
| 145     | 29.9  | 15.4  | 46.2  |

