

Data File : VW012740.D  
Acq On : 08 Sep 2019 00:11  
Operator : SY/VA  
Sample : VSTDCCC050EC  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Sep 08 05:17:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090719S.M  
Quant Title : SW846 8260  
QLast Update : Sun Sep 08 05:04:40 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 213270   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 335238   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 293188   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 145819   | 50.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.30   | 65  | 130108   | 54.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.20% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 101564   | 50.96 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.92% |      |
| 50) Toluene-d8            | 10.32  | 98  | 407058   | 52.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.26% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 142695   | 50.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.68% |      |

#### Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 47428   | 41.021  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 62263   | 44.312  | ug/l | 97     |
| 4) Vinyl Chloride             | 2.35 | 62  | 77995   | 45.271  | ug/l | 99     |
| 5) Bromomethane               | 2.77 | 94  | 46309   | 49.500  | ug/l | 100    |
| 6) Chloroethane               | 2.90 | 64  | 48410   | 47.087  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.24 | 101 | 50609   | 42.568  | ug/l | 91     |
| 8) Diethyl Ether              | 3.68 | 74  | 48477   | 48.514  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 82605   | 44.275  | ug/l | 98     |
| 10) Methyl Iodide             | 4.27 | 142 | 113039  | 48.128  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.21 | 59  | 36925   | 202.529 | ug/l | 96     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 78620   | 44.639  | ug/l | 96     |
| 13) Acrolein                  | 3.89 | 56  | 29626   | 153.126 | ug/l | 98     |
| 14) Allyl chloride            | 4.66 | 41  | 163546  | 44.889  | ug/l | 97     |
| 15) Acrylonitrile             | 5.37 | 53  | 128836  | 220.750 | ug/l | 99     |
| 16) Acetone                   | 4.14 | 43  | 110699  | 170.402 | ug/l | 93     |
| 17) Carbon Disulfide          | 4.38 | 76  | 160305  | 42.880  | ug/l | 98     |
| 18) Methyl Acetate            | 4.67 | 43  | 69908   | 45.867  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.42 | 73  | 171872  | 49.206  | ug/l | 99     |
| 20) Methylene Chloride        | 4.91 | 84  | 95573   | 47.025  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 87621   | 48.757  | ug/l | 92     |
| 22) Diisopropyl ether         | 6.31 | 45  | 356398  | 49.321  | ug/l | 96     |
| 23) Vinyl Acetate             | 6.25 | 43  | 1058628 | 231.166 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 195357  | 50.210  | ug/l | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 171464  | 184.825 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 7.16 | 77  | 105296  | 42.848  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 107363  | 51.525  | ug/l | 97     |
| 28) Bromochloromethane        | 7.51 | 49  | 92922   | 52.012  | ug/l | 94     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 112553  | 214.548 | ug/l | 99     |
| 30) Chloroform                | 7.67 | 83  | 197300  | 51.166  | ug/l | 100    |
| 31) Cyclohexane               | 7.95 | 56  | 144156  | 41.155  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 156706  | 50.135  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.08 | 75  | 136943  | 45.974  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.25 | 43  | 79036   | 41.624  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 139884  | 47.641  | ug/l | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 144108   | 43.076  | ug/l   | 95       |
| 40) Benzene                    | 8.32  | 78   | 391560   | 47.379  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.48  | 41   | 49313    | 39.110  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 142857   | 49.116  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.42  | 43   | 156934   | 43.624  | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 103131   | 48.411  | ug/l   | 86       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 106419   | 46.428  | ug/l   | 95       |
| 46) Dibromomethane             | 9.46  | 93   | 52128    | 48.026  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.64  | 83   | 146604   | 49.093  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.43  | 41   | 74370    | 43.259  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.48  | 88   | 17447    | 813.751 | ug/l # | 74       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 405434   | 214.779 | ug/l   | 100      |
| 52) Toluene                    | 10.38 | 92   | 249195   | 48.311  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 144216   | 46.966  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 163250   | 46.865  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 77440    | 47.655  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 112338   | 47.227  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 138894   | 46.202  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.92  | 63   | 300169   | 237.701 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.97 | 43   | 272898   | 197.880 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 91914    | 48.094  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.23 | 107  | 70766    | 47.500  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.86 | 164  | 91438    | 51.399  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.66 | 112  | 268024   | 48.368  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 101995   | 49.425  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 503890   | 48.466  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 363558   | 96.876  | ug/l   | 100      |
| 69) o-Xylene                   | 12.16 | 106  | 173271   | 48.940  | ug/l   | 99       |
| 70) Styrene                    | 12.18 | 104  | 308555   | 49.319  | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 55975    | 48.822  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.46 | 105  | 499177   | 47.729  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 140914   | 42.448  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 91198    | 43.420  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 121420   | 81.432  | ug/l # | 100      |
| 77) Bromobenzene               | 12.75 | 156  | 113800   | 48.027  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.80 | 91   | 585642   | 46.820  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.89 | 91   | 341967   | 47.623  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 421176   | 47.791  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75   | 27859    | 39.518  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 357115   | 47.016  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 370124   | 47.499  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 422974   | 47.632  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.38 | 105  | 503134   | 46.531  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.49 | 119  | 460154   | 46.590  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.50 | 146  | 219750   | 47.184  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 216580   | 46.734  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.82 | 91   | 431220   | 44.972  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.09 | 117  | 82775    | 48.007  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.87 | 146  | 197474   | 47.109  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.48 | 75   | 16651    | 43.319  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW090719\  
Quantitation Report (Not Reviewed)

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QLast Update : Sun Sep 08 05:04:40 2019  
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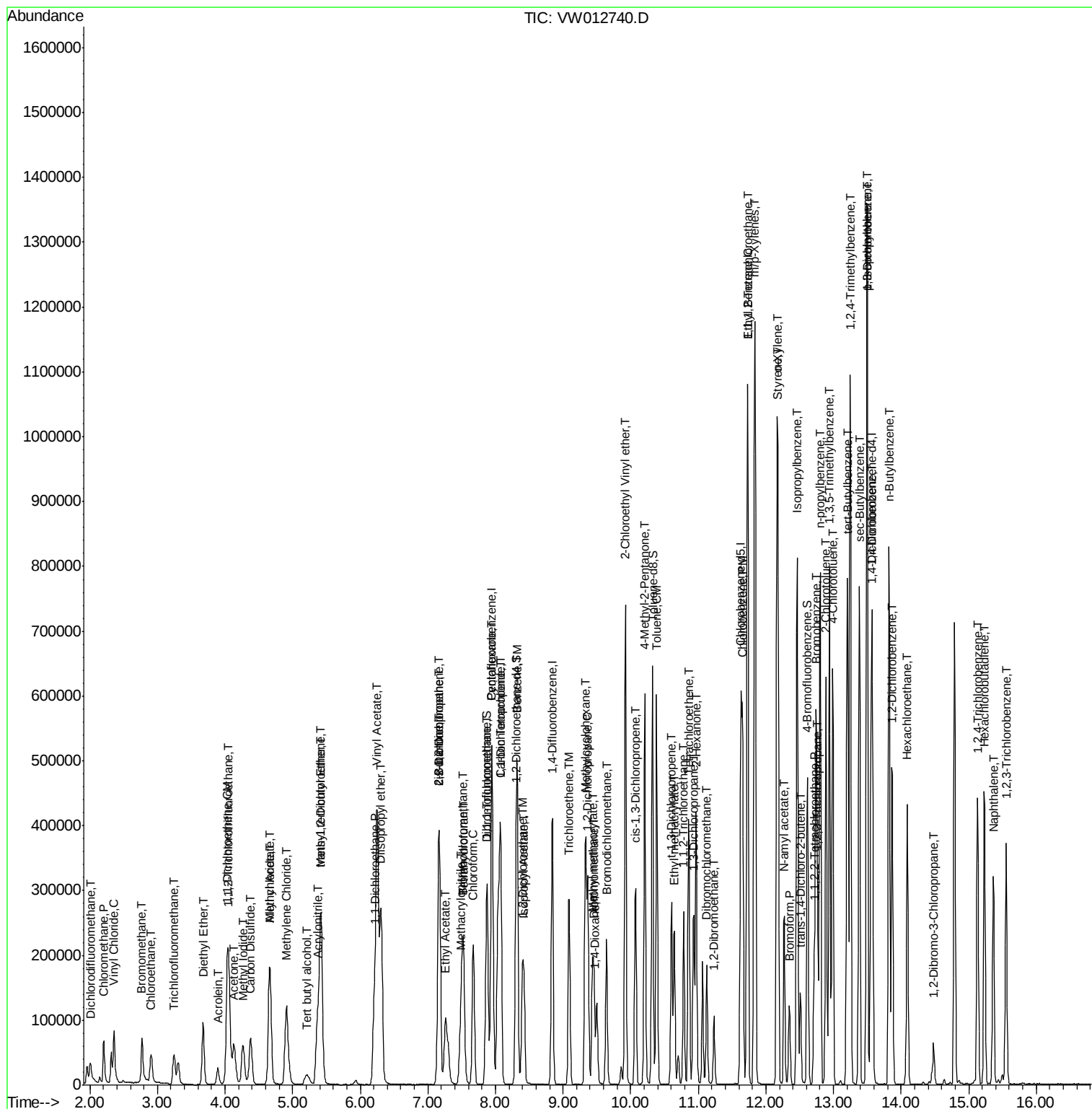
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.13 | 180  | 140979   | 48.305 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.23 | 225  | 93879    | 46.473 | ug/l  | 98       |
| 95) Naphthalene            | 15.36 | 128  | 262202   | 43.493 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.55 | 180  | 126347   | 49.045 | ug/l  | 99       |

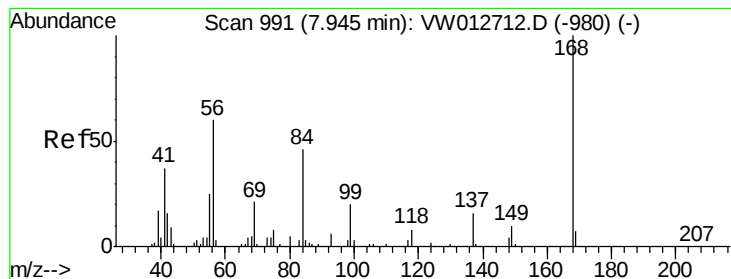
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

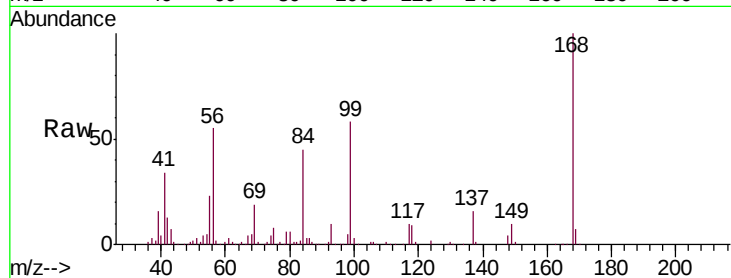
VSTDCCC050EC

Tgt Ion:168 Resp: 213270

Ion Ratio Lower Upper

168 100

99 58.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

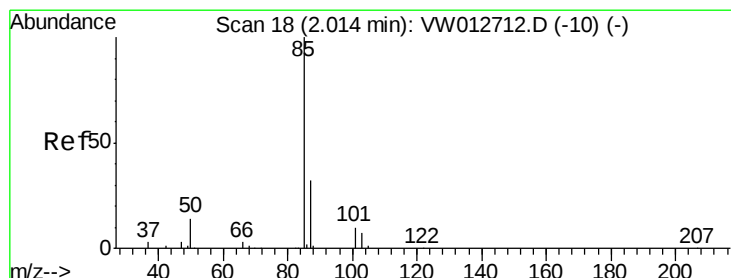
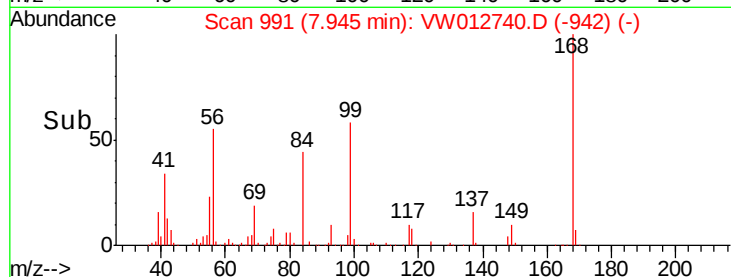
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 41.021 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012740.D

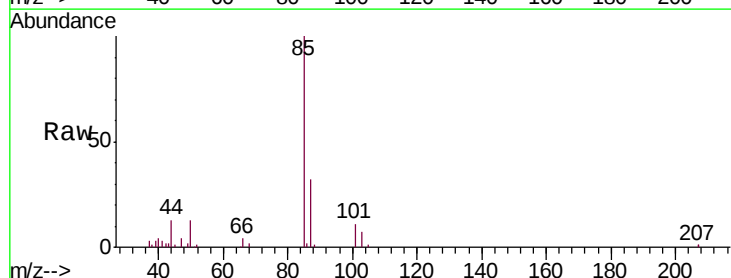
Acq: 08 Sep 2019 00:11

Tgt Ion: 85 Resp: 47428

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

10000

5000

0

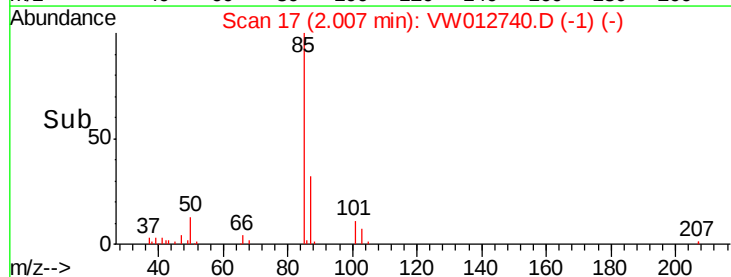
1.90

2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 44.312 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

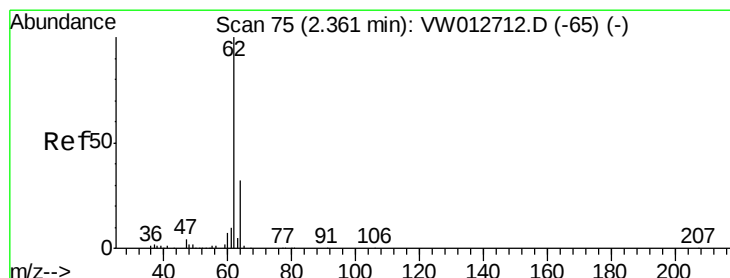
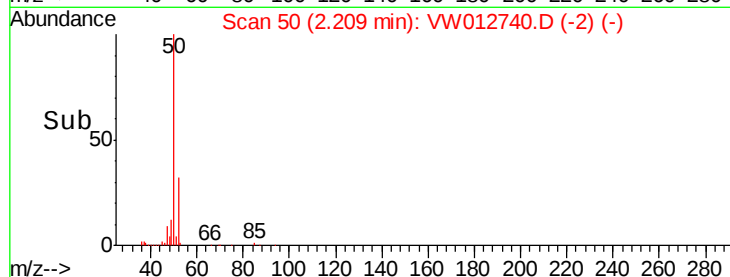
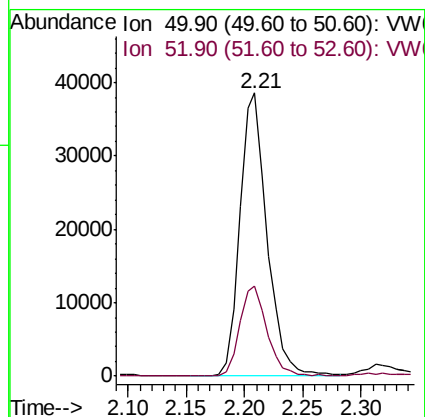
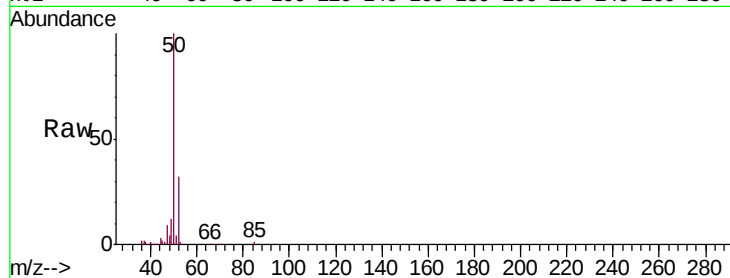
VSTDCCC050EC

Tgt Ion: 50 Resp: 62263

Ion Ratio Lower Upper

50 100

52 31.8 24.2 36.2



#4

Vinyl Chloride

Concen: 45.271 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012740.D

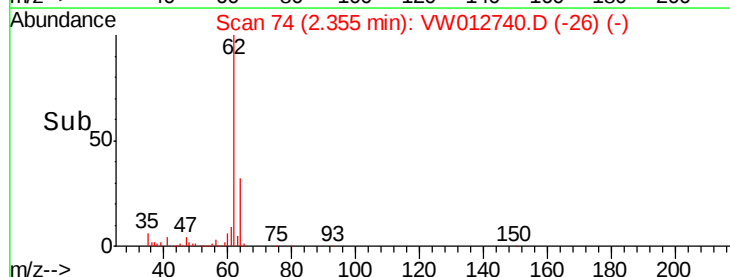
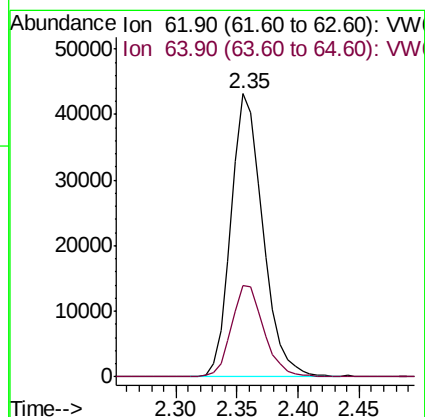
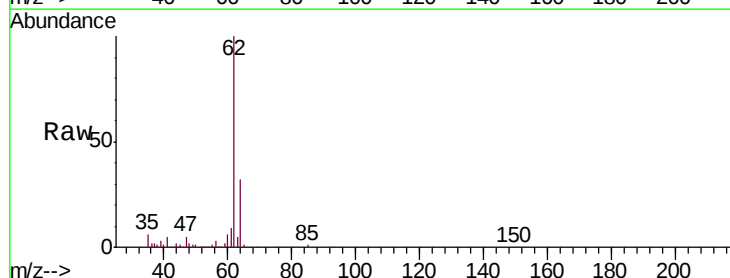
Acq: 08 Sep 2019 00:11

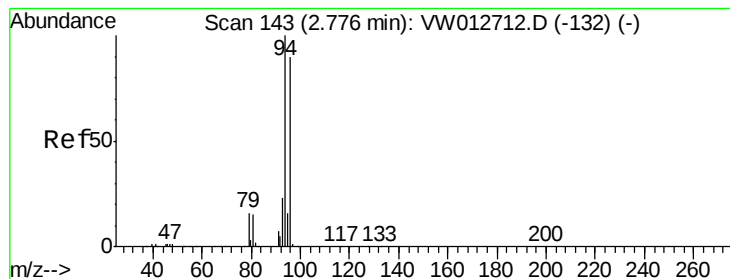
Tgt Ion: 62 Resp: 77995

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 49.500 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

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Acq: 08 Sep 2019 00:11

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ClientSampleId :

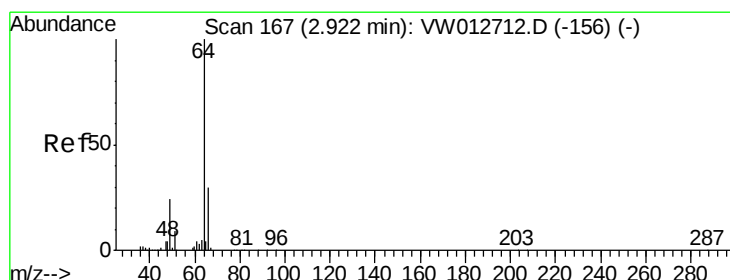
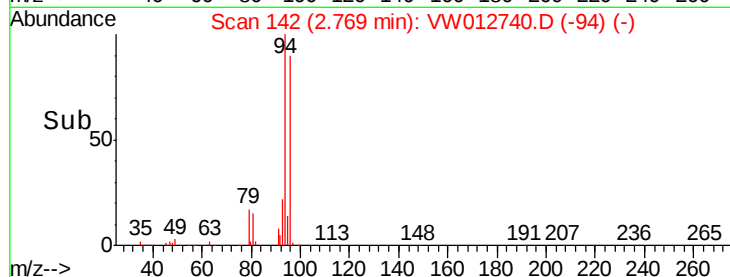
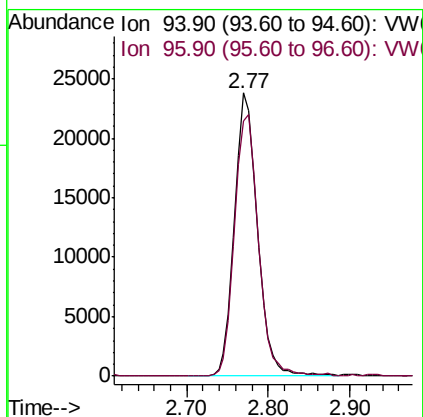
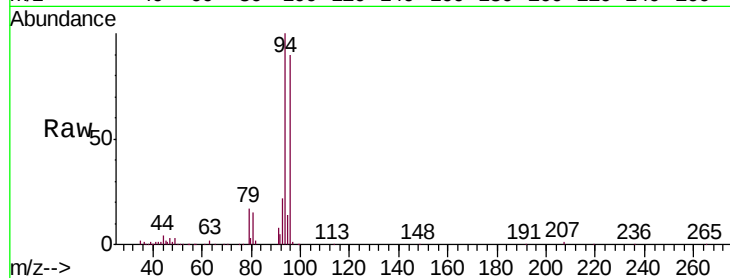
VSTDCCC050EC

Tgt Ion: 94 Resp: 46309

Ion Ratio Lower Upper

94 100

96 90.0 72.1 108.1



#6

Chloroethane

Concen: 47.087 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW012740.D

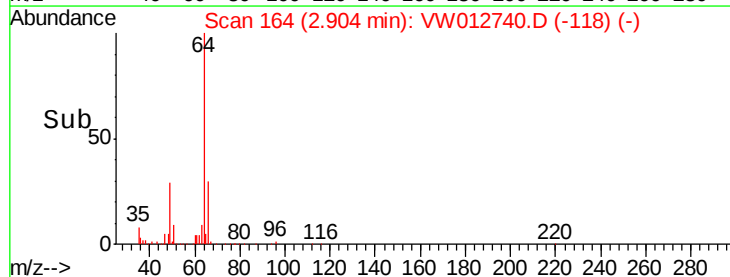
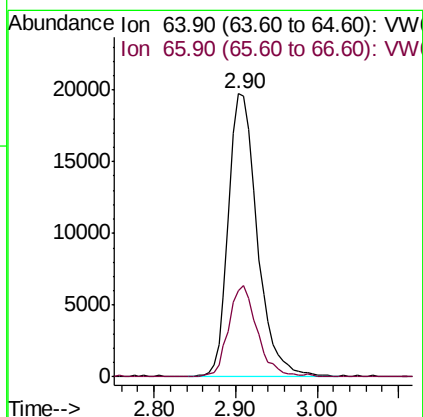
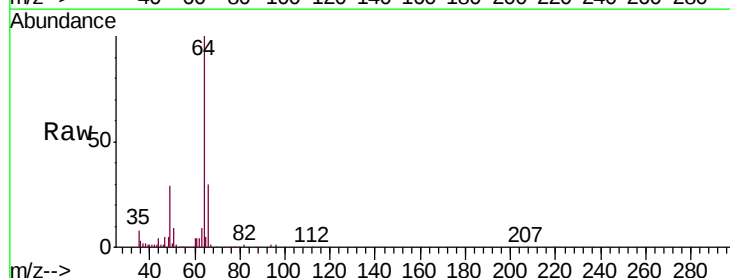
Acq: 08 Sep 2019 00:11

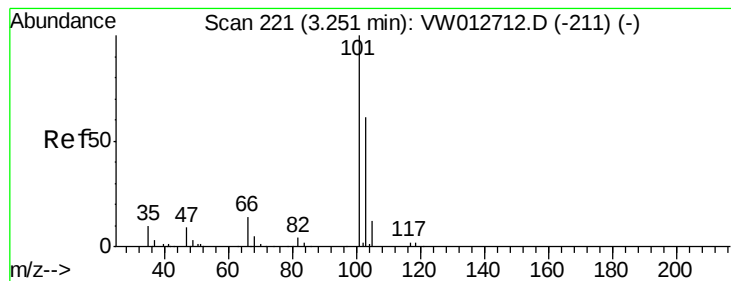
Tgt Ion: 64 Resp: 48410

Ion Ratio Lower Upper

64 100

66 30.4 23.8 35.6



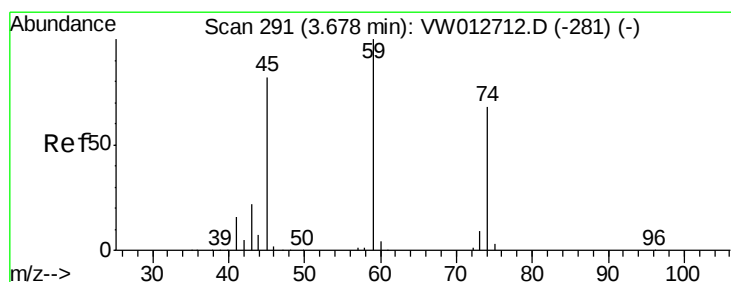
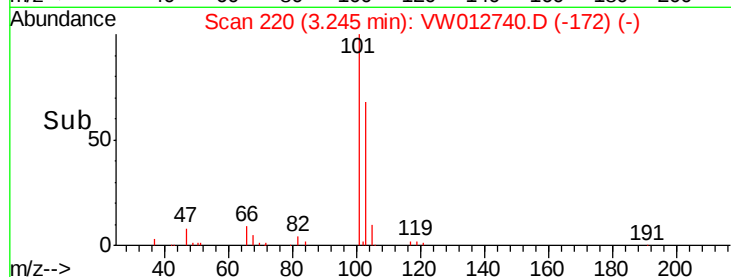
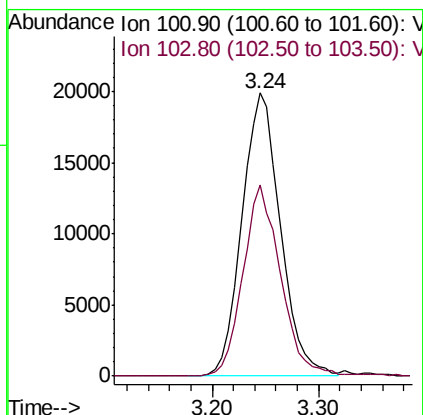
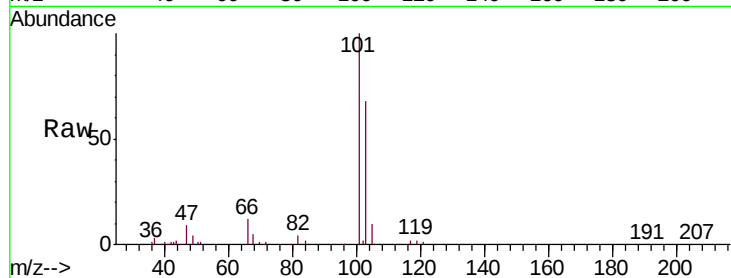


#7

Trichlorofluoromethane  
 Concen: 42.568 ug/l  
 RT: 3.24 min Scan# 220  
 Delta R.T. -0.01 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

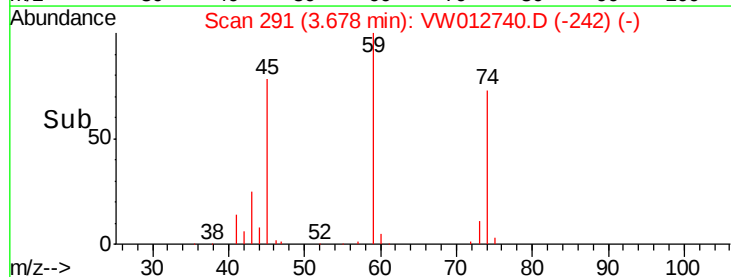
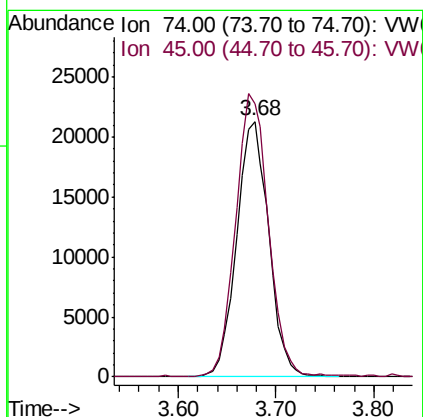
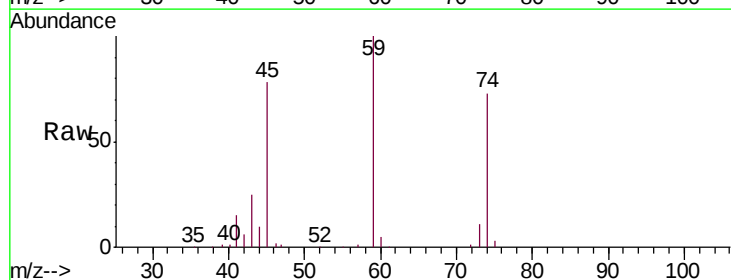
Tgt Ion:101 Resp: 50609  
 Ion Ratio Lower Upper  
 101 100  
 103 67.7 49.0 73.4

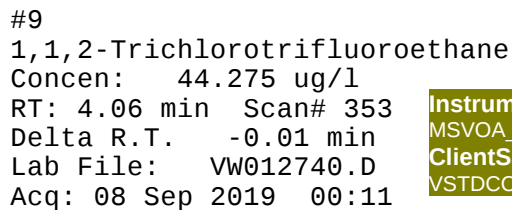


#8

Diethyl Ether  
 Concen: 48.514 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

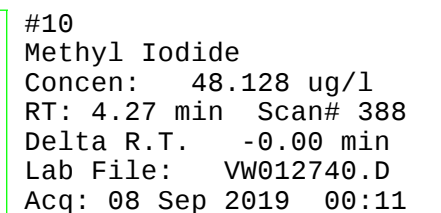
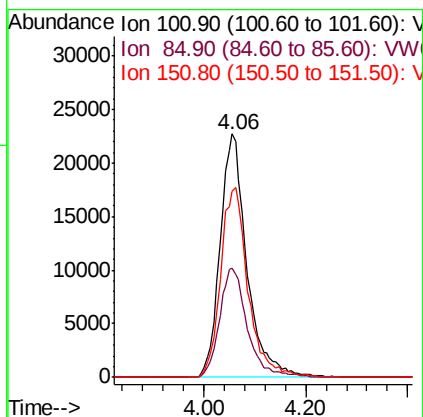
Tgt Ion: 74 Resp: 48477  
 Ion Ratio Lower Upper  
 74 100  
 45 114.1 58.8 176.4



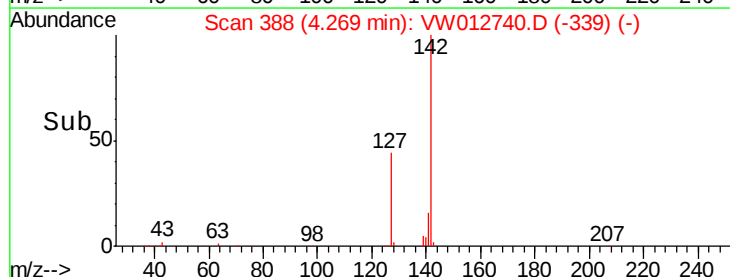
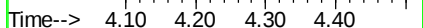
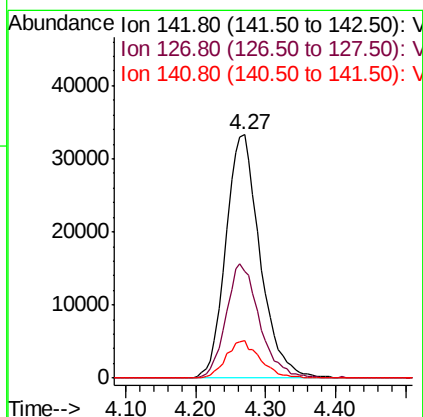


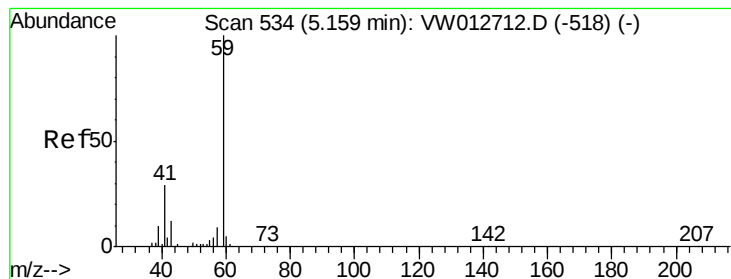
**Instrument :**  
MSVOA\_W  
**ClientSampleId :**  
VSTDCCC050EC

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:101 | Resp: | 82605 |
| Ion | Ratio   | Lower | Upper |
| 101 | 100     |       |       |
| 85  | 46.2    | 36.2  | 54.2  |
| 151 | 79.8    | 61.9  | 92.9  |



|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:142 | Resp: | 113039 |
| Ion | Ratio   | Lower | Upper  |
| 142 | 100     |       |        |
| 127 | 46.0    | 36.0  | 54.0   |
| 141 | 15.3    | 12.2  | 18.4   |



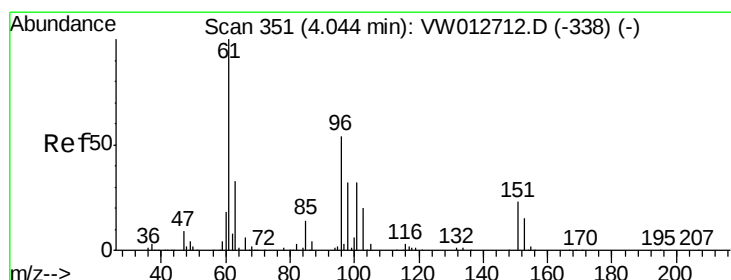
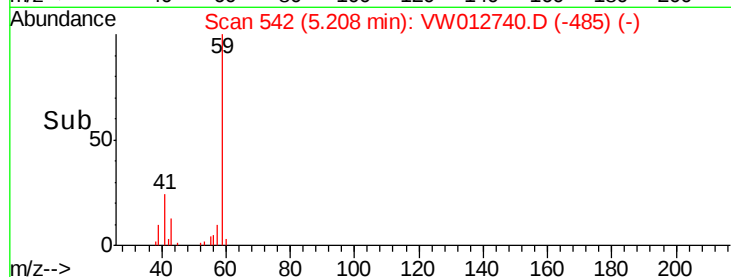
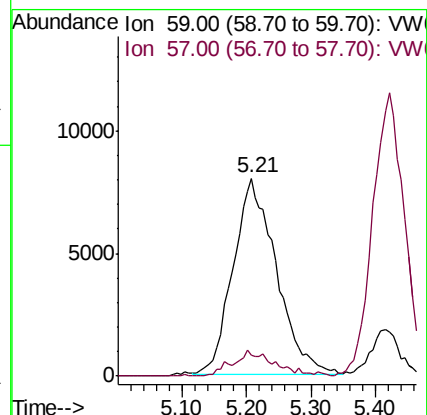
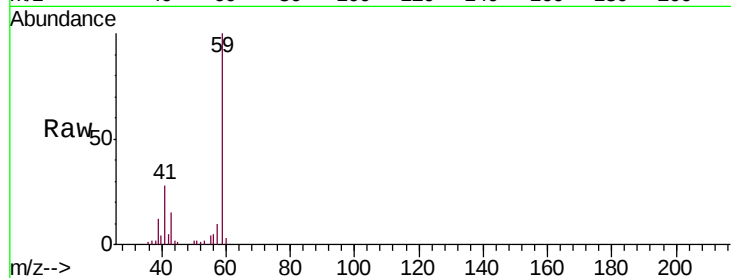


#11

Tert butyl alcohol  
 Concen: 202.529 ug/l  
 RT: 5.21 min Scan# 542  
 Delta R.T. 0.05 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

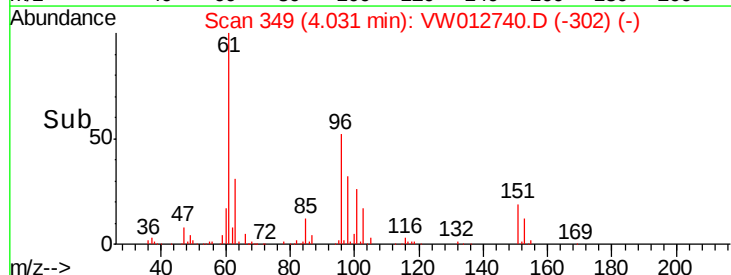
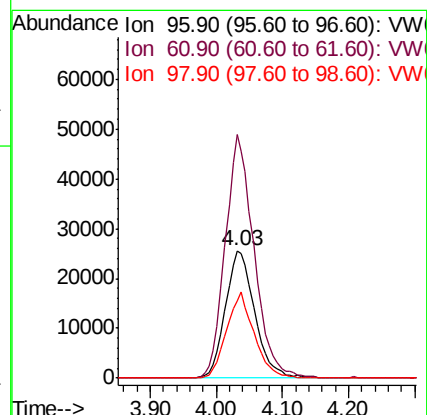
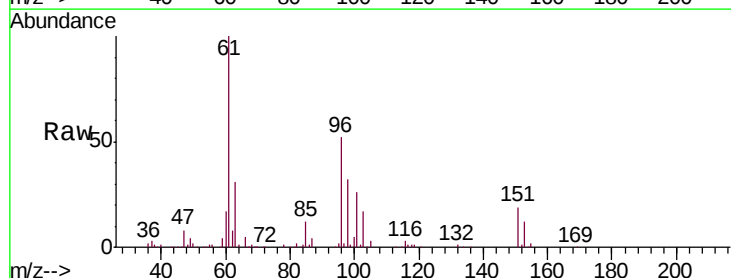
Tgt Ion: 59 Resp: 36925  
 Ion Ratio Lower Upper  
 59 100  
 57 11.8 8.2 12.4

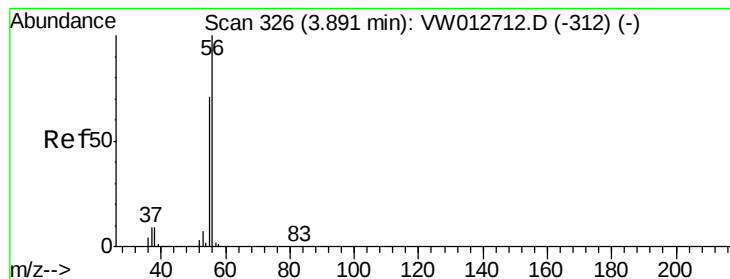


#12

1,1-Dichloroethene  
 Concen: 44.639 ug/l  
 RT: 4.03 min Scan# 349  
 Delta R.T. -0.01 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 96 Resp: 78620  
 Ion Ratio Lower Upper  
 96 100  
 61 191.2 147.8 221.6  
 98 60.5 47.9 71.9





#13

Acrolein

Concen: 153.126 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

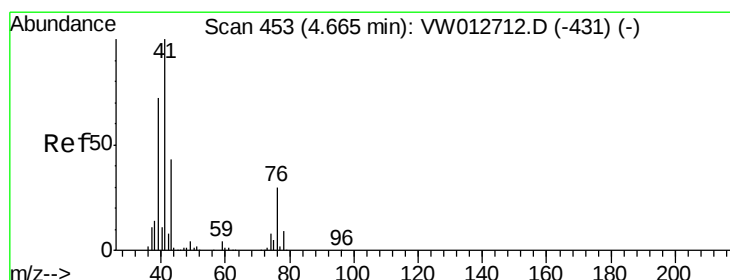
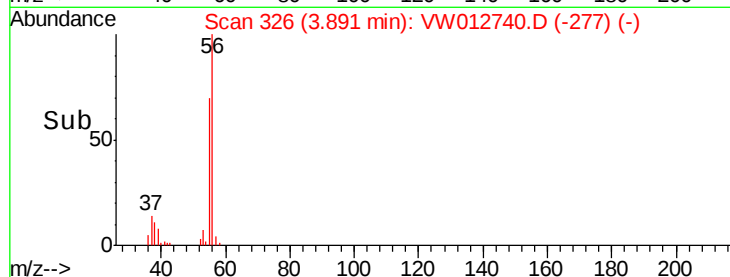
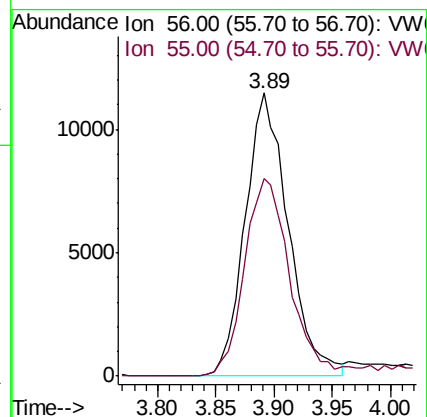
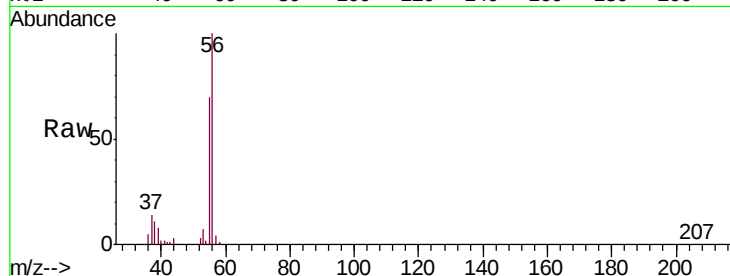
VSTDCCC050EC

Tgt Ion: 56 Resp: 29626

Ion Ratio Lower Upper

56 100

55 72.9 56.9 85.3



#14

Allyl chloride

Concen: 44.889 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

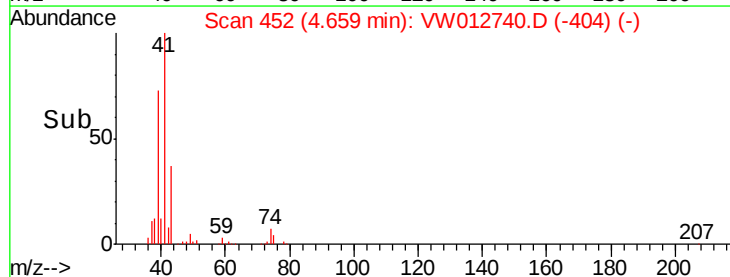
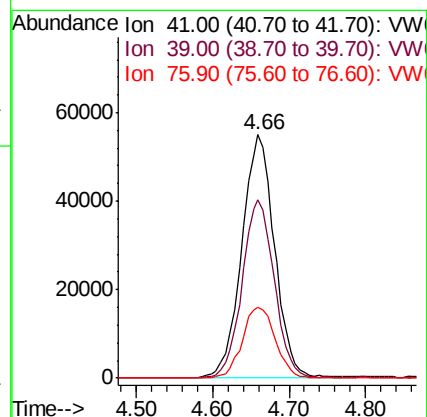
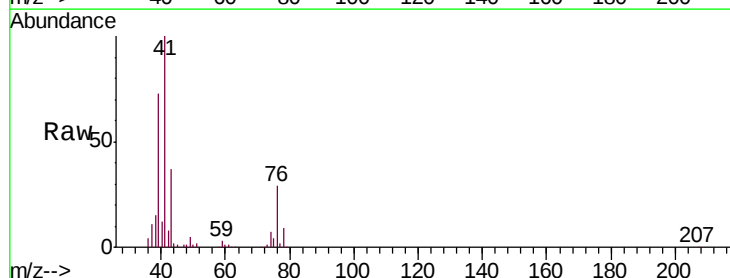
Tgt Ion: 41 Resp: 163546

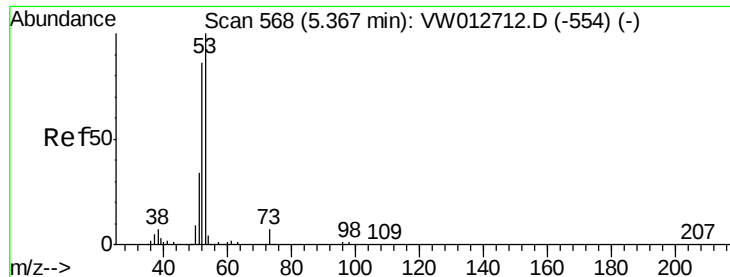
Ion Ratio Lower Upper

41 100

39 72.0 55.0 82.6

76 29.3 23.0 34.4





#15

Acrylonitrile

Concen: 220.750 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

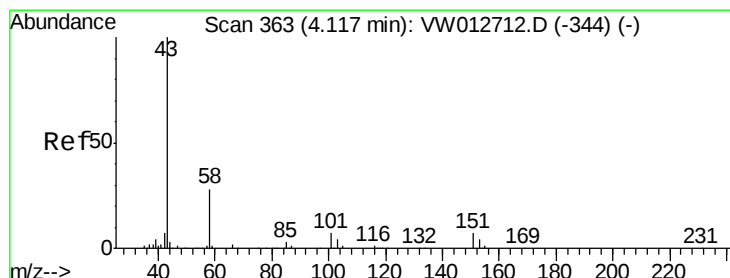
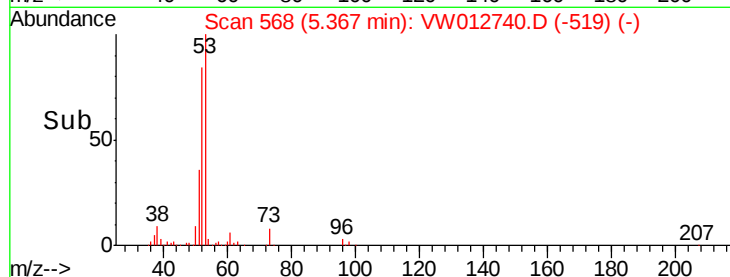
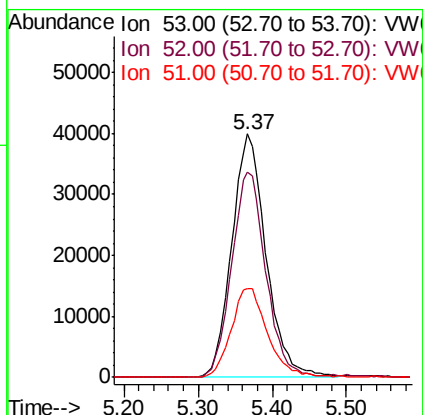
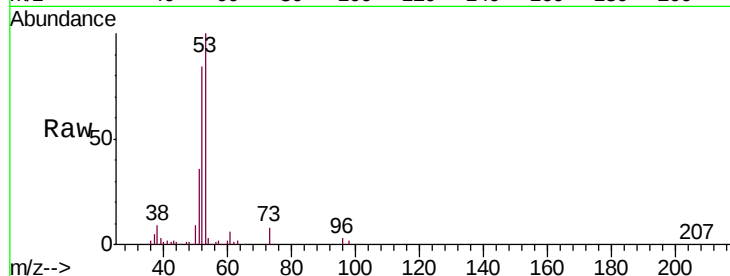
Tgt Ion: 53 Resp: 128836

Ion Ratio Lower Upper

53 100

52 84.0 67.0 100.4

51 38.5 29.8 44.8



#16

Acetone

Concen: 170.402 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012740.D

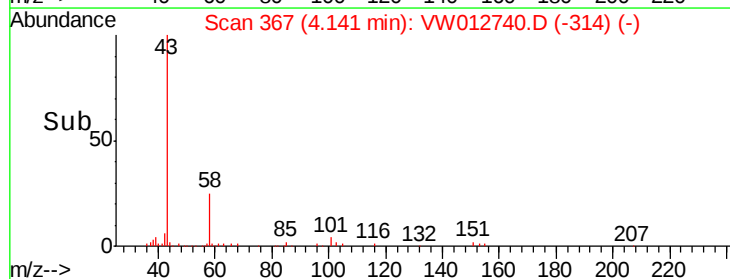
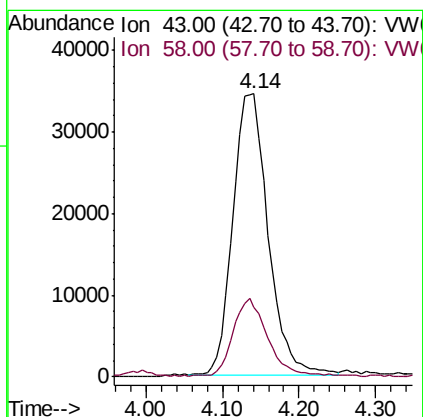
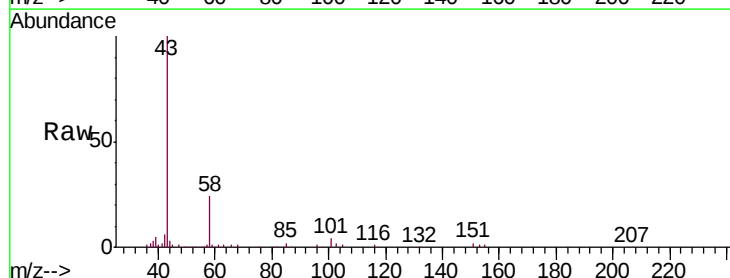
Acq: 08 Sep 2019 00:11

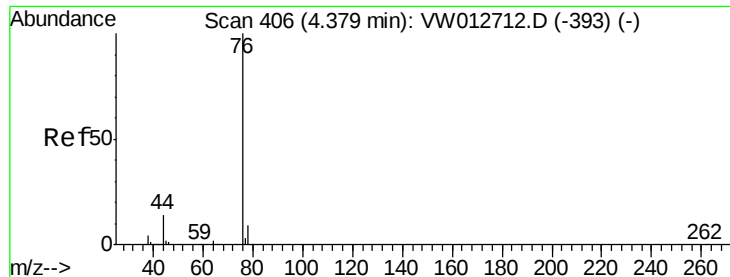
Tgt Ion: 43 Resp: 110699

Ion Ratio Lower Upper

43 100

58 24.3 22.6 33.8





#17

Carbon Disulfide

Concen: 42.880 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

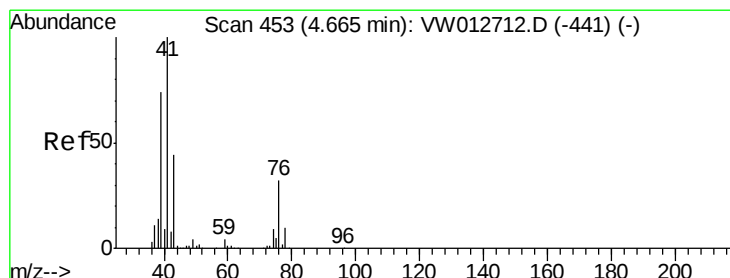
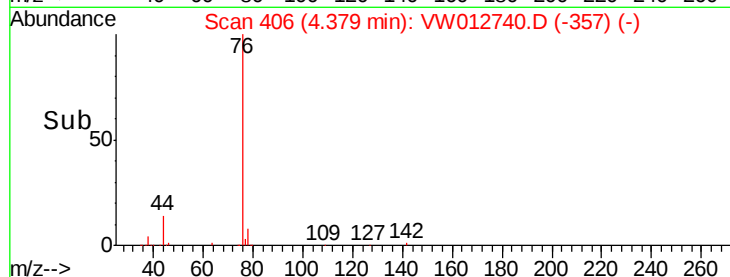
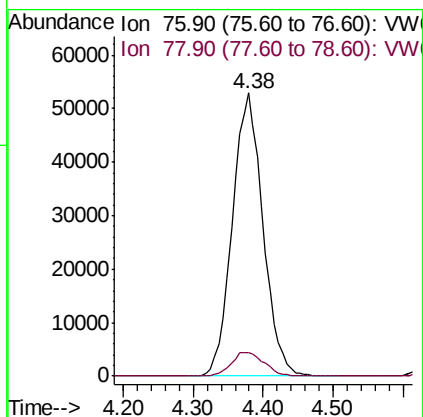
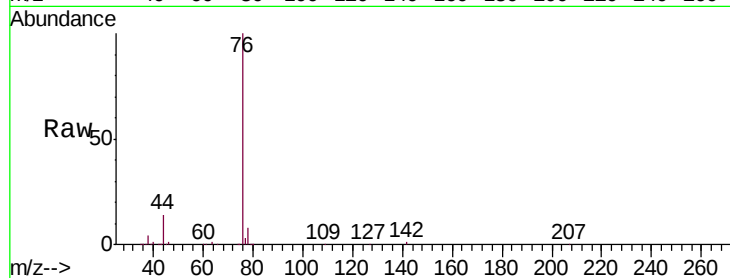
VSTDCCC050EC

Tgt Ion: 76 Resp: 160305

Ion Ratio Lower Upper

76 100

78 8.3 7.2 10.8



#18

Methyl Acetate

Concen: 45.867 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012740.D

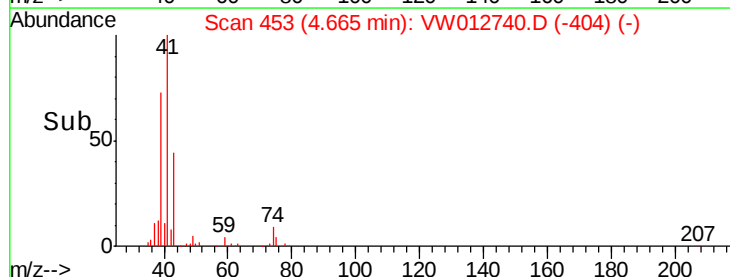
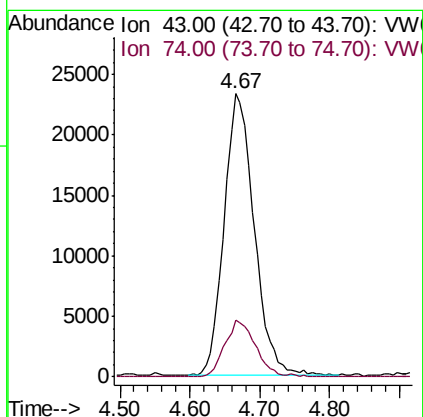
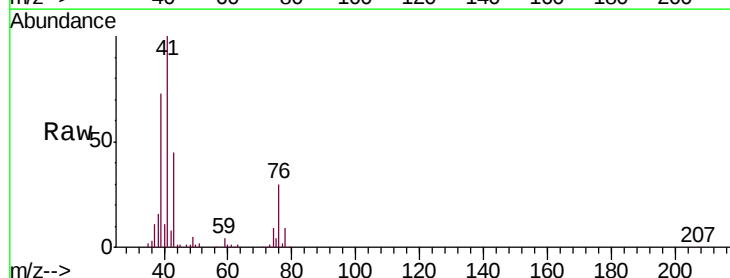
Acq: 08 Sep 2019 00:11

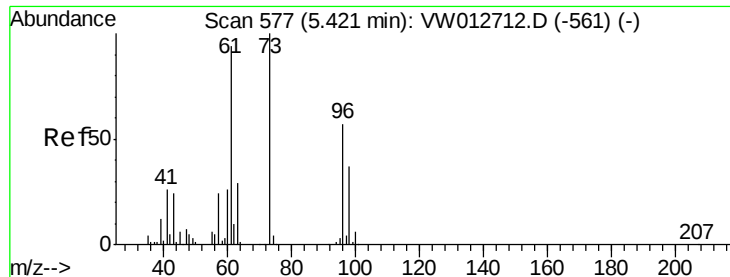
Tgt Ion: 43 Resp: 69908

Ion Ratio Lower Upper

43 100

74 20.7 15.8 23.6

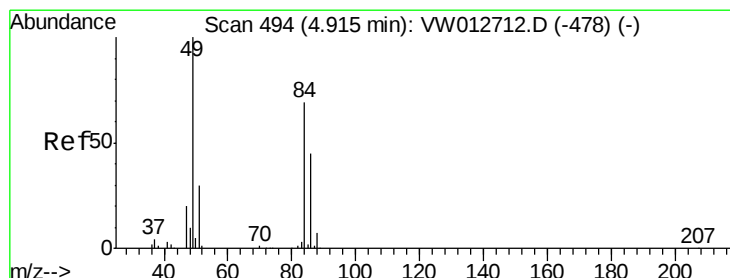
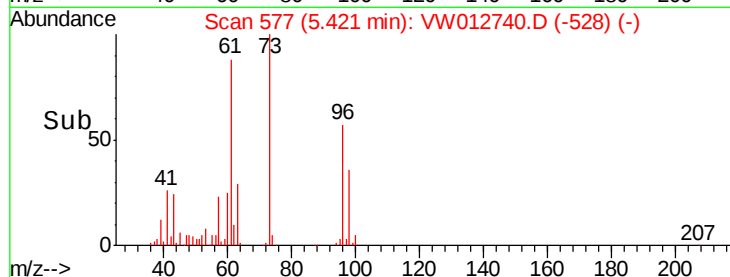
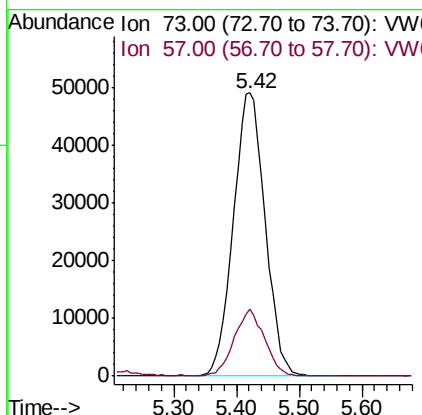
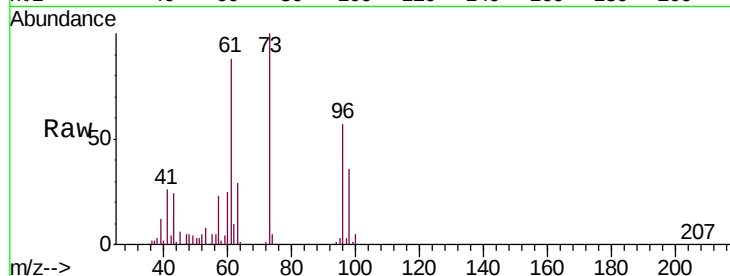




#19  
Methyl tert-butyl Ether  
Concen: 49.206 ug/l  
RT: 5.42 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

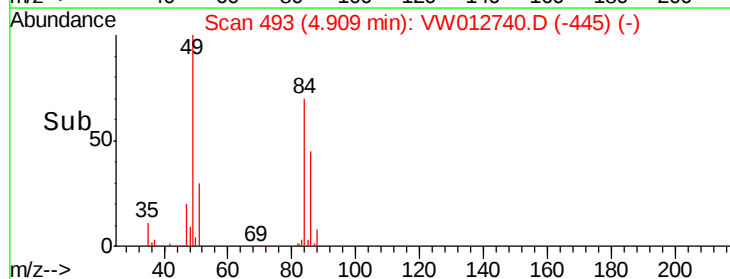
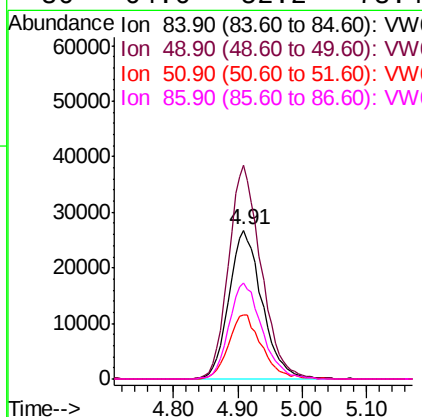
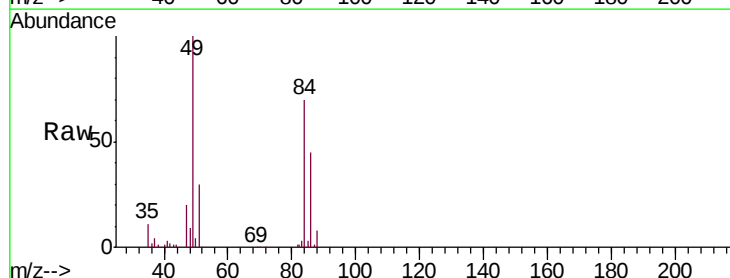
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

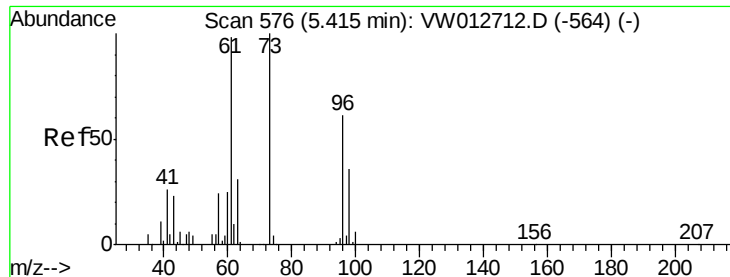
Tgt Ion: 73 Resp: 171872  
Ion Ratio Lower Upper  
73 100  
57 23.5 19.2 28.8



#20  
Methylene Chloride  
Concen: 47.025 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion: 84 Resp: 95573  
Ion Ratio Lower Upper  
84 100  
49 143.6 115.4 173.0  
51 43.1 34.9 52.3  
86 64.6 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 48.757 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

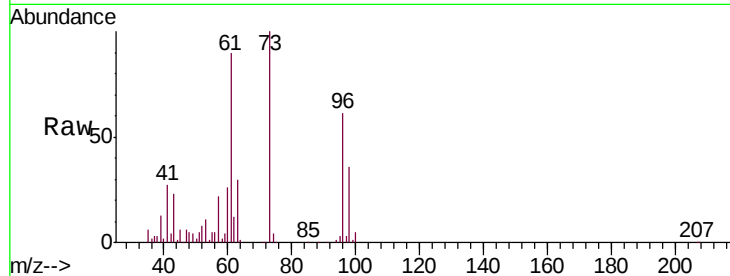
Tgt Ion: 96 Resp: 87621

Ion Ratio Lower Upper

96 100

61 147.5 129.2 193.8

98 59.2 48.0 72.0

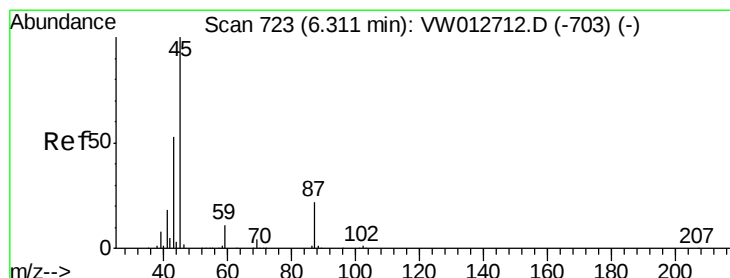
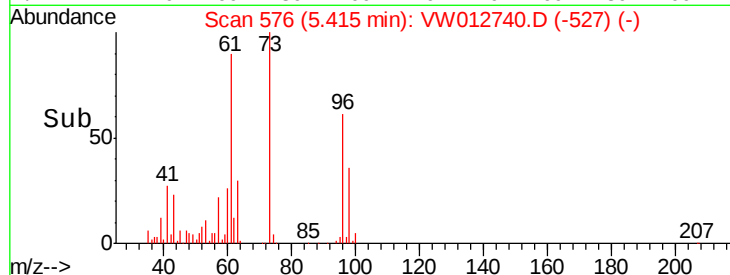
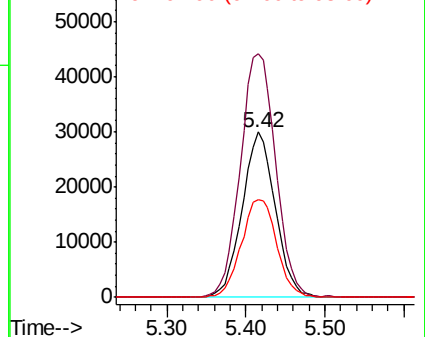


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 49.321 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Tgt Ion: 45 Resp: 356398

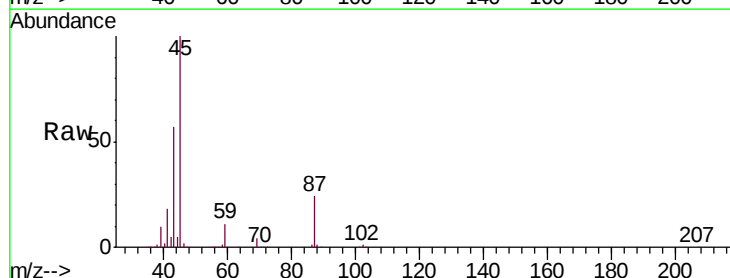
Ion Ratio Lower Upper

45 100

43 57.4 42.3 63.5

87 23.5 18.2 27.2

59 10.6 8.5 12.7



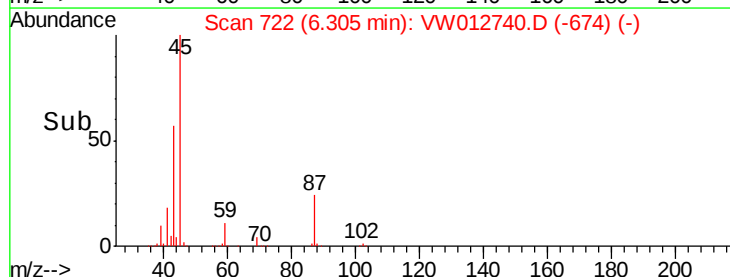
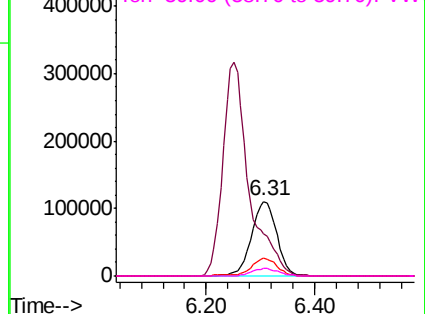
Abundance

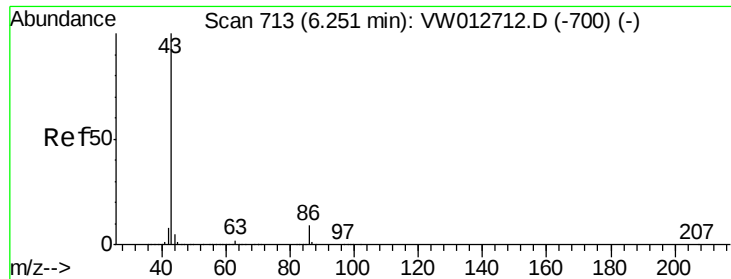
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

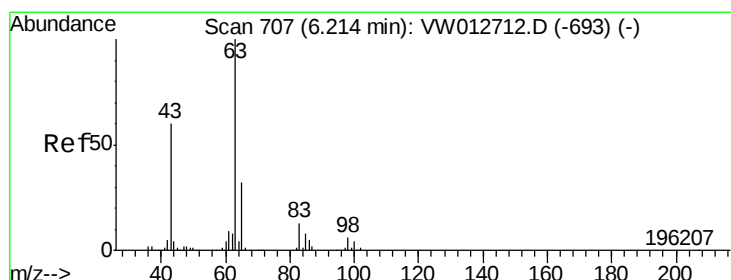
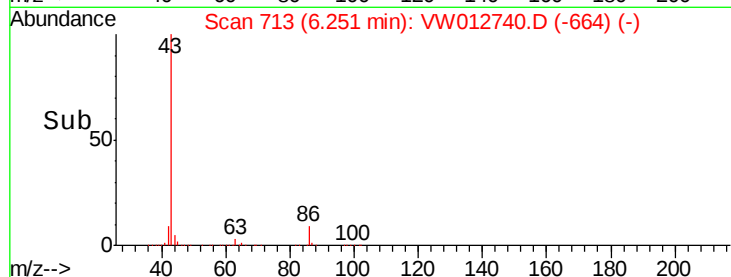
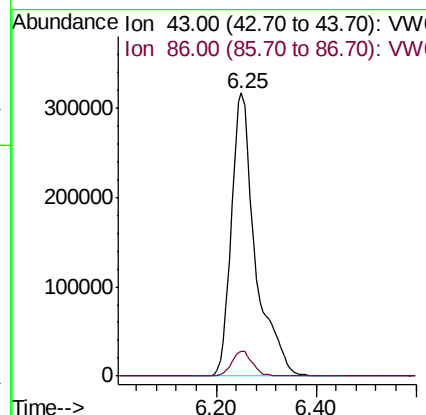
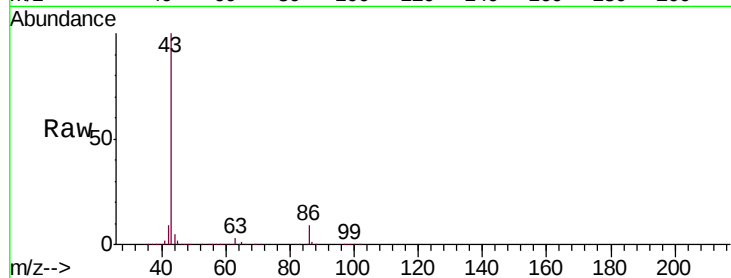




#23  
 Vinyl Acetate  
 Concen: 231.166 ug/l  
 RT: 6.25 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

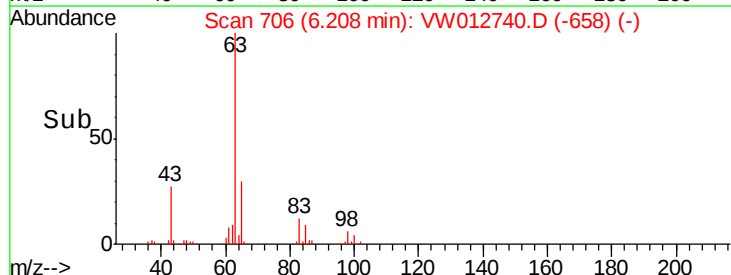
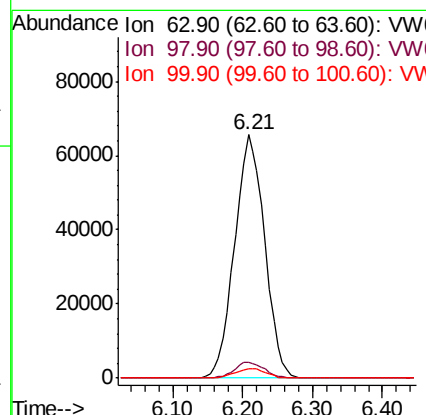
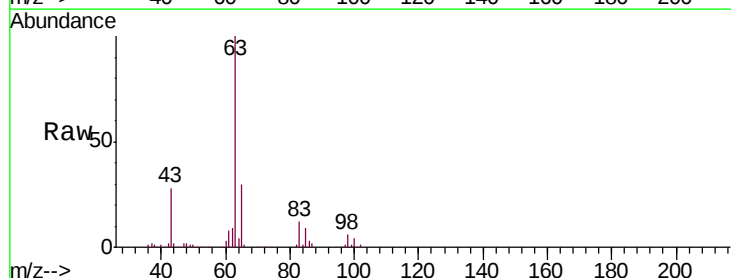
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

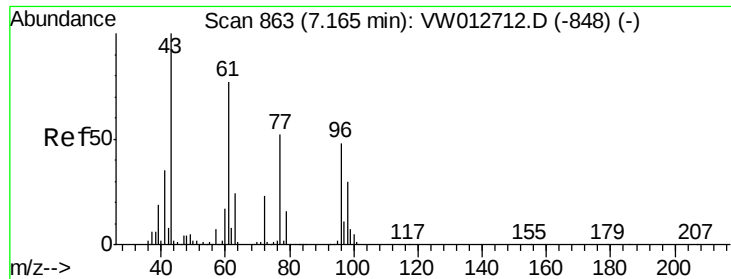
Tgt Ion: 43 Resp: 1058628  
 Ion Ratio Lower Upper  
 43 100  
 86 9.0 7.0 10.6



#24  
 1,1-Dichloroethane  
 Concen: 50.210 ug/l  
 RT: 6.21 min Scan# 706  
 Delta R.T. -0.01 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 63 Resp: 195357  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 3.1 9.3  
 100 4.0 1.8 5.5





#25

2-Butanone

Concen: 184.825 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

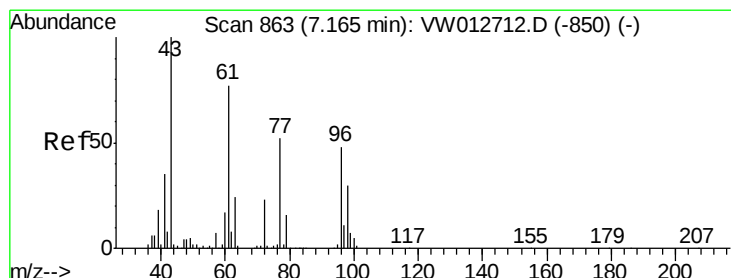
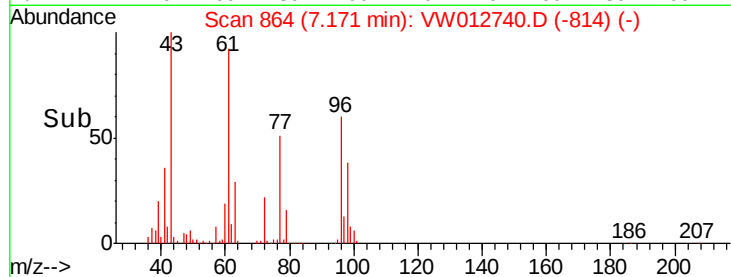
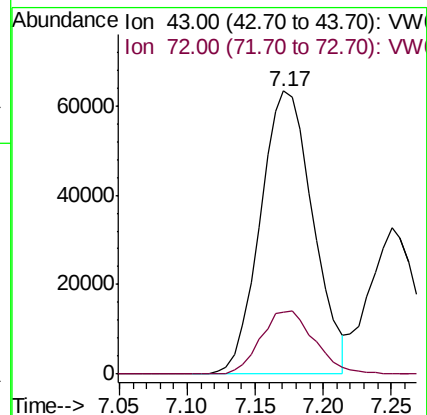
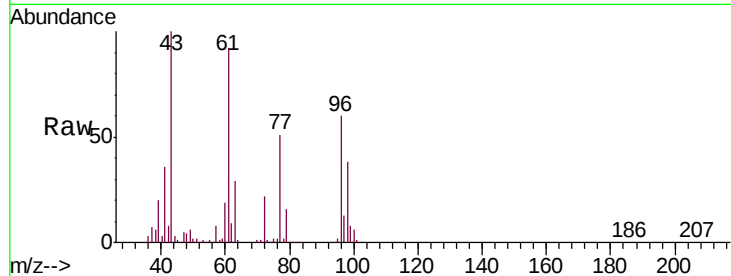
VSTDCCC050EC

Tgt Ion: 43 Resp: 171464

Ion Ratio Lower Upper

43 100

72 21.7 18.0 27.0



#26

2,2-Dichloropropane

Concen: 42.848 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012740.D

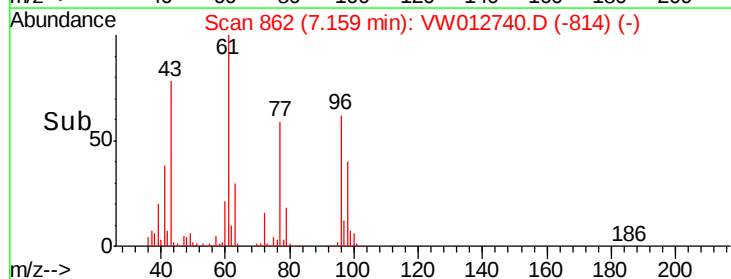
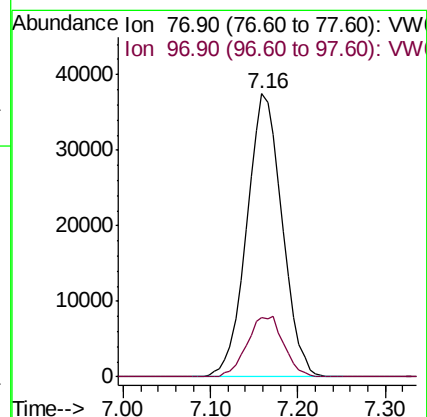
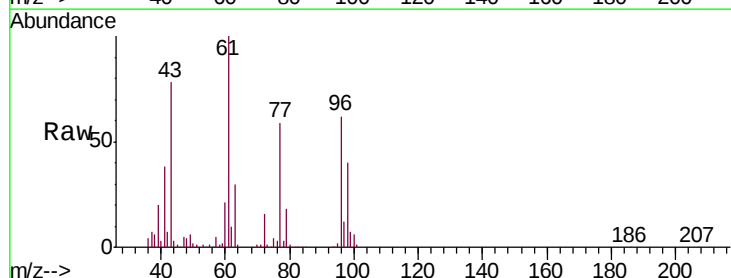
Acq: 08 Sep 2019 00:11

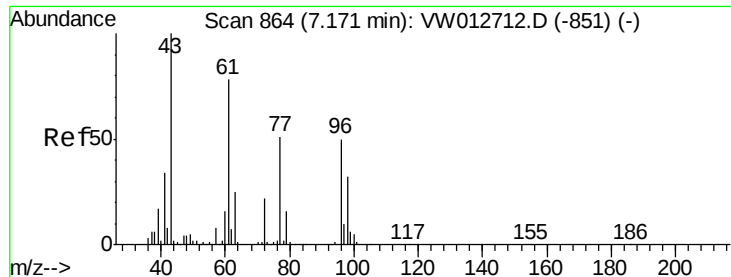
Tgt Ion: 77 Resp: 105296

Ion Ratio Lower Upper

77 100

97 22.2 10.7 32.1



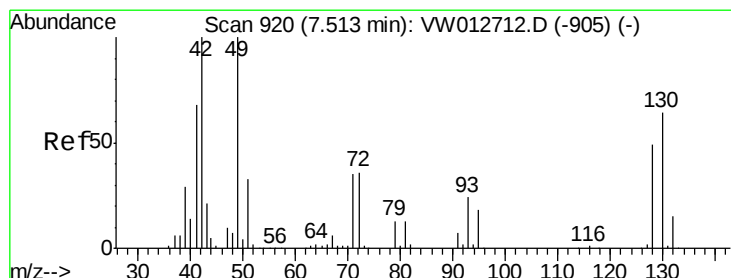
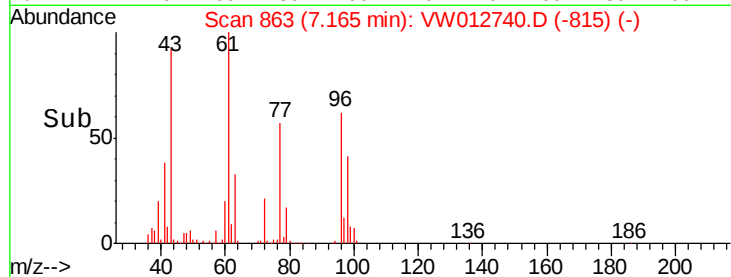
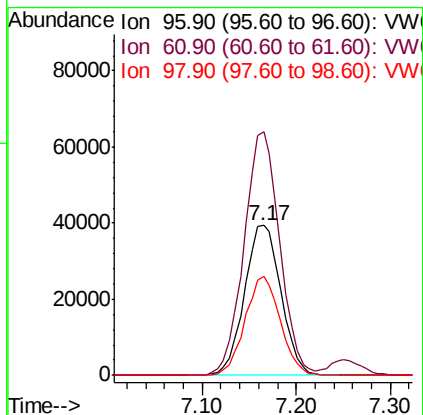
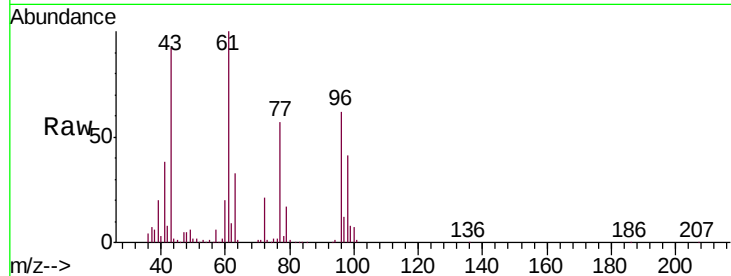


#27

cis-1,2-Dichloroethene  
 Concen: 51.525 ug/l  
 RT: 7.17 min Scan# 863  
 Delta R.T. -0.01 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

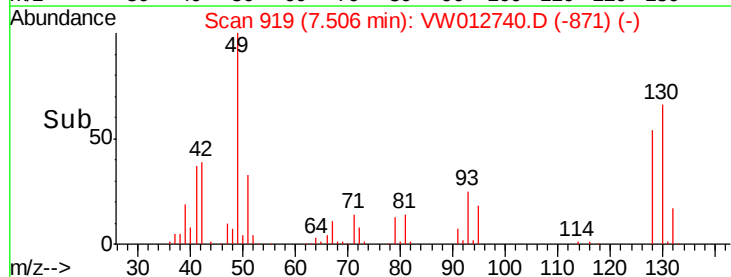
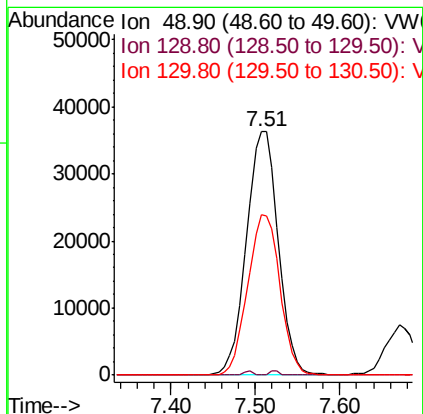
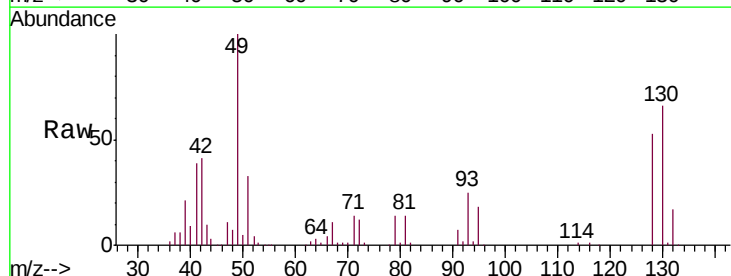
Tgt Ion: 96 Resp: 107363  
 Ion Ratio Lower Upper  
 96 100  
 61 158.3 0.0 325.8  
 98 63.8 0.0 127.0

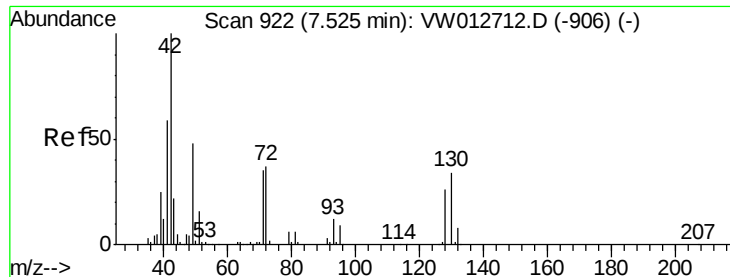


#28

Bromochloromethane  
 Concen: 52.012 ug/l  
 RT: 7.51 min Scan# 919  
 Delta R.T. -0.01 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 49 Resp: 92922  
 Ion Ratio Lower Upper  
 49 100  
 129 0.5 0.0 0.8  
 130 66.8 49.8 74.8

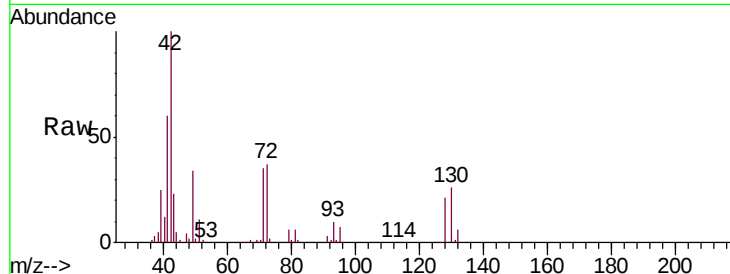




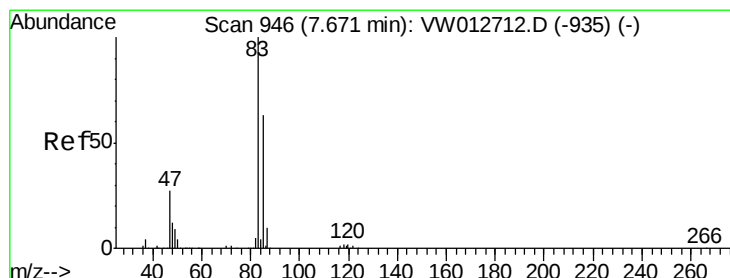
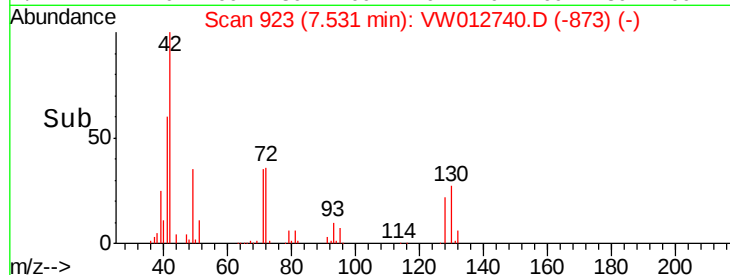
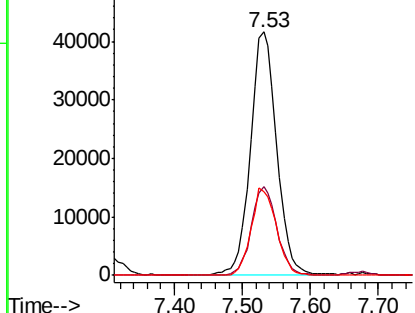
#29  
Tetrahydrofuran  
Concen: 214.548 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 42 Resp: 112553  
Ion Ratio Lower Upper  
42 100  
72 35.7 28.4 42.6  
71 34.5 27.1 40.7

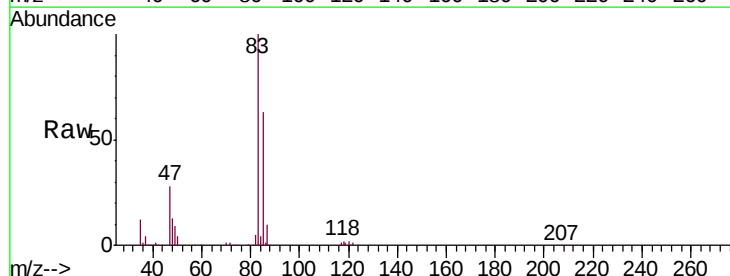


Abundance Ion 42.00 (41.70 to 42.70): VW  
Ion 72.00 (71.70 to 72.70): VW  
Ion 71.00 (70.70 to 71.70): VW

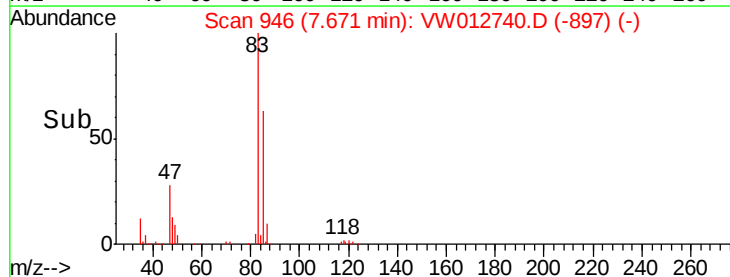
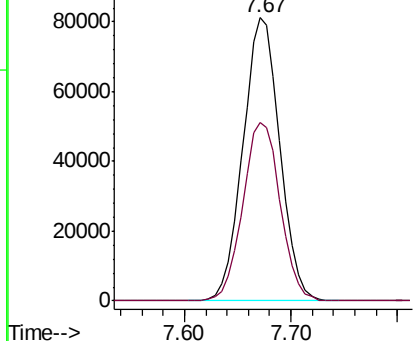


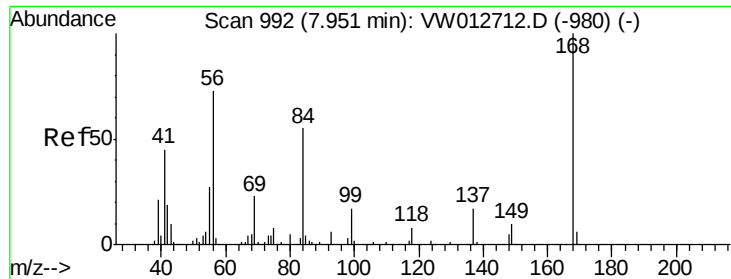
#30  
Chloroform  
Concen: 51.166 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion: 83 Resp: 197300  
Ion Ratio Lower Upper  
83 100  
85 63.1 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW

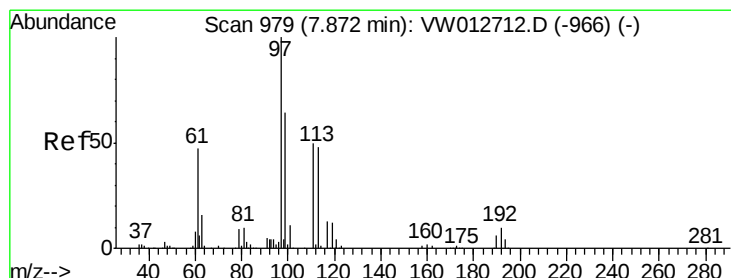
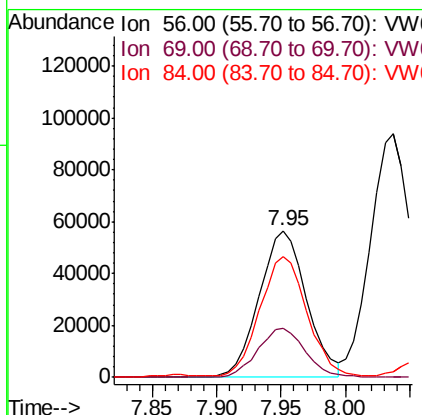
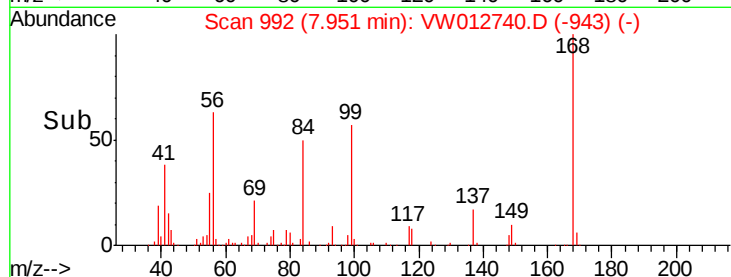
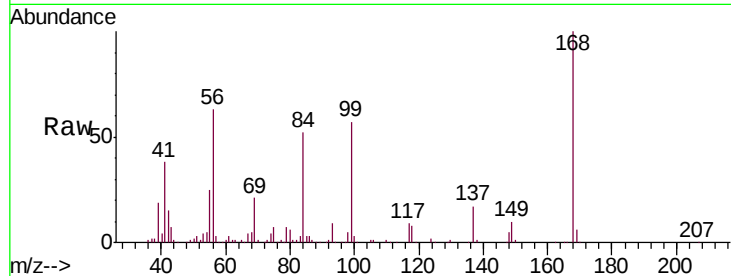




#31  
Cyclohexane  
Concen: 41.155 ug/l  
RT: 7.95 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

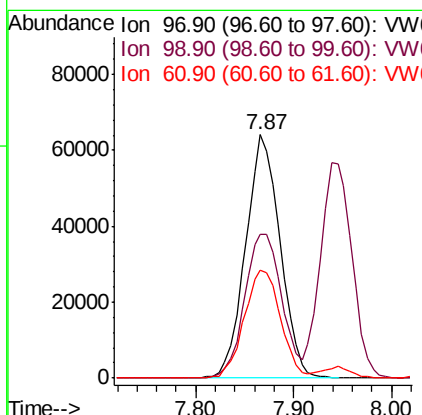
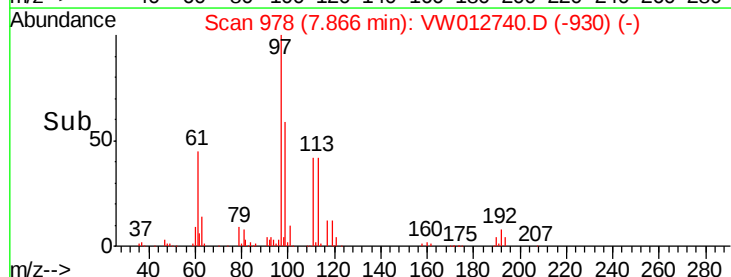
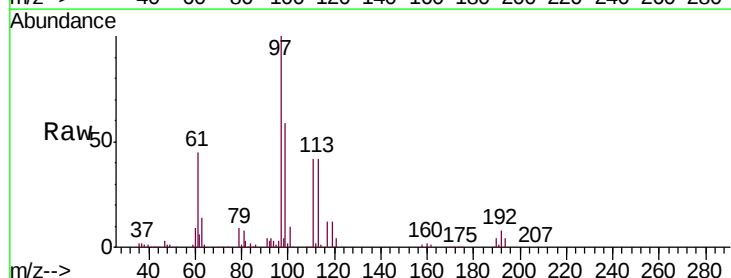
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

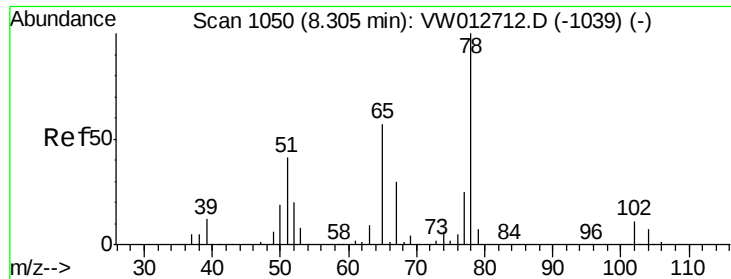
Tgt Ion: 56 Resp: 144156  
Ion Ratio Lower Upper  
56 100  
69 33.1 25.7 38.5  
84 80.9 60.4 90.6



#32  
1,1,1-Trichloroethane  
Concen: 50.135 ug/l  
RT: 7.87 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion: 97 Resp: 156706  
Ion Ratio Lower Upper  
97 100  
99 63.9 51.5 77.3  
61 46.7 37.9 56.9

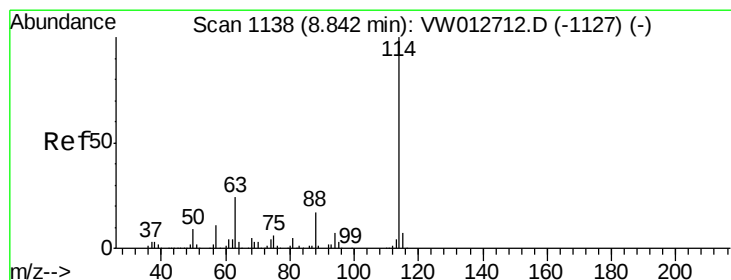
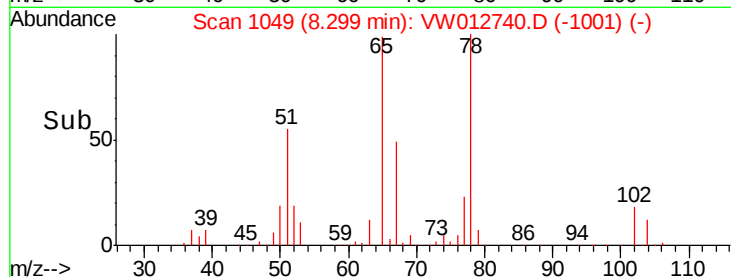
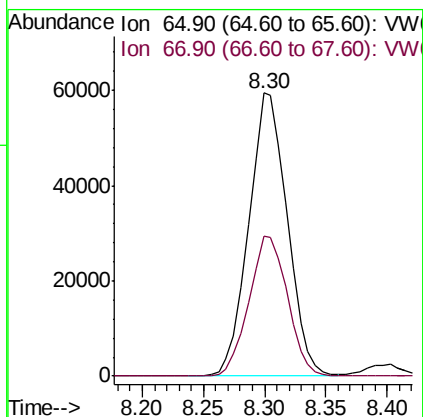
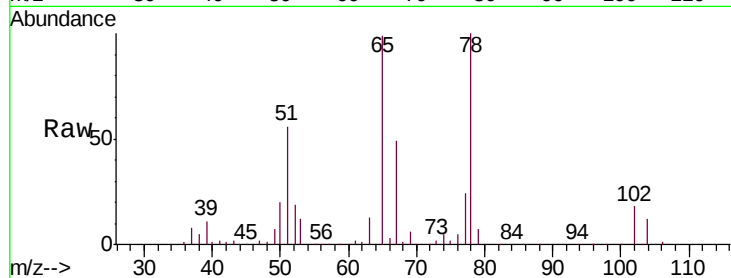




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.600 ug/l  
 RT: 8.30 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

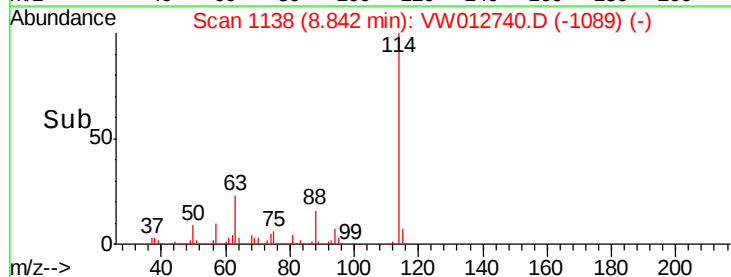
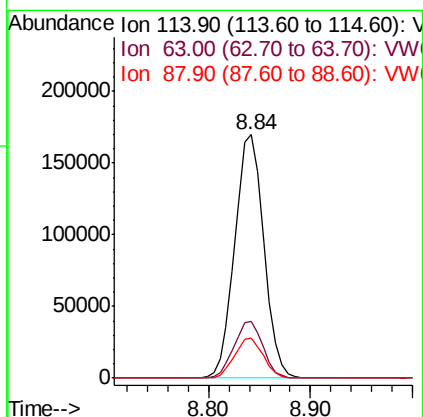
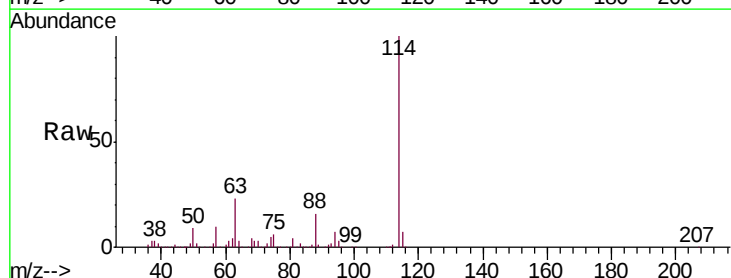
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 65 Resp: 130108  
 Ion Ratio Lower Upper  
 65 100  
 67 49.8 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 114 Resp: 335238  
 Ion Ratio Lower Upper  
 114 100  
 63 23.3 0.0 47.2  
 88 16.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.958 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

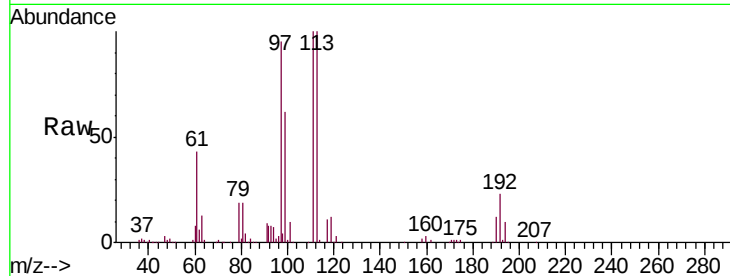
Tgt Ion:113 Resp: 101564

Ion Ratio Lower Upper

113 100

111 102.2 80.2 120.4

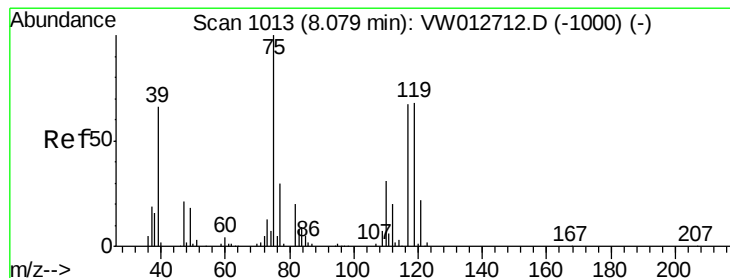
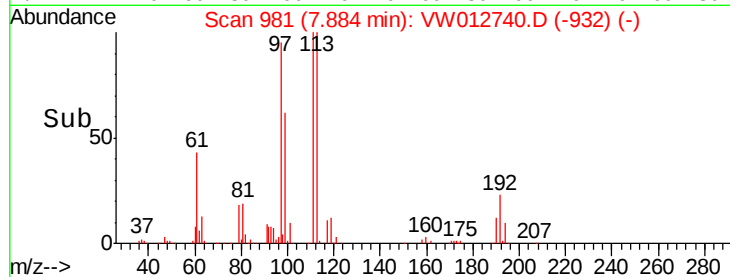
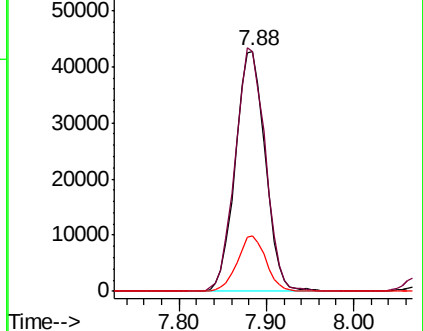
192 22.2 17.3 25.9



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: 45.974 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

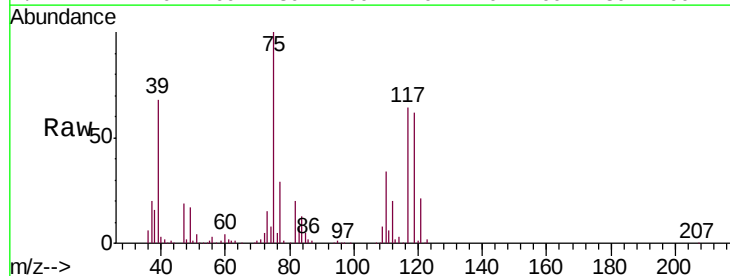
Tgt Ion: 75 Resp: 136943

Ion Ratio Lower Upper

75 100

110 32.6 15.9 47.7

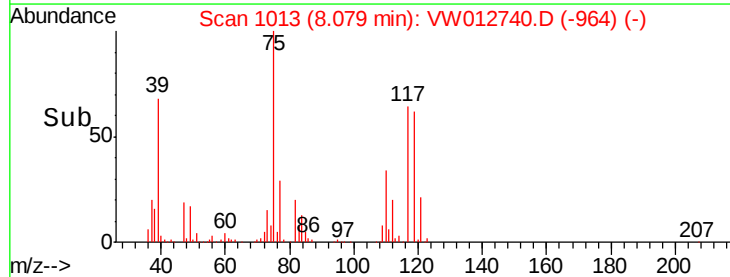
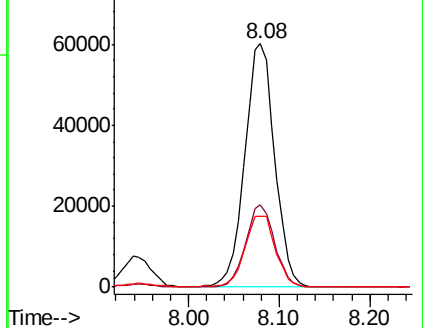
77 30.4 25.0 37.4

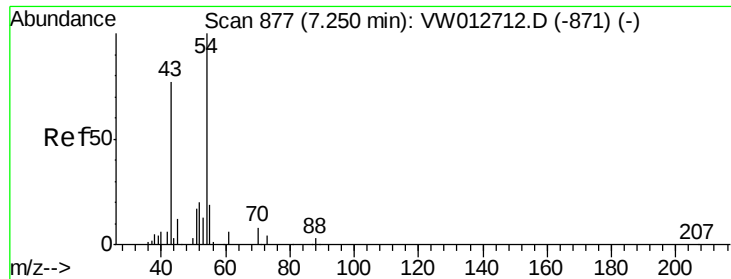


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

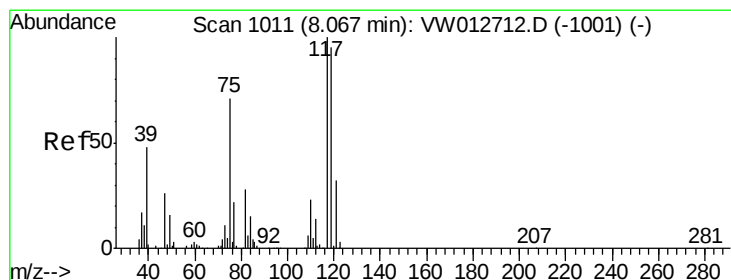
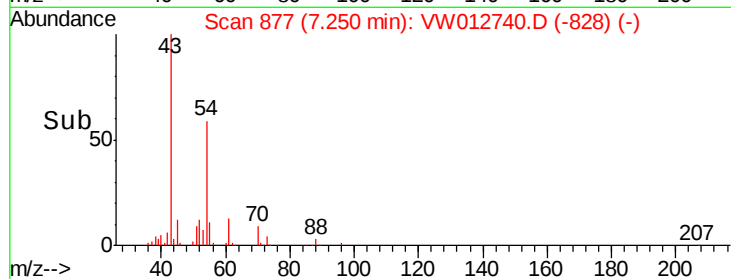
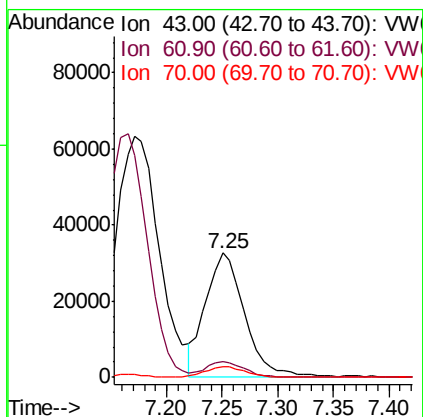
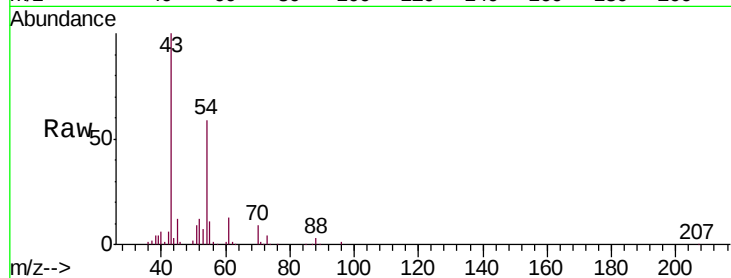




#37  
Ethyl Acetate  
Concen: 41.624 ug/l  
RT: 7.25 min Scan# 877  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

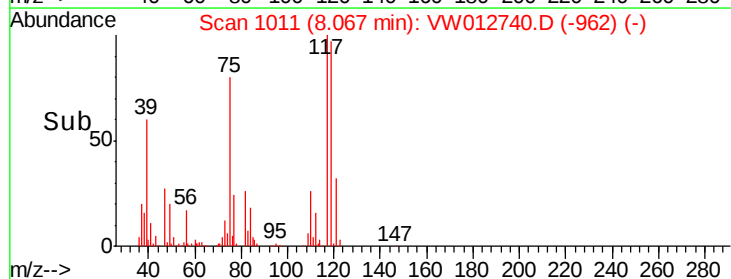
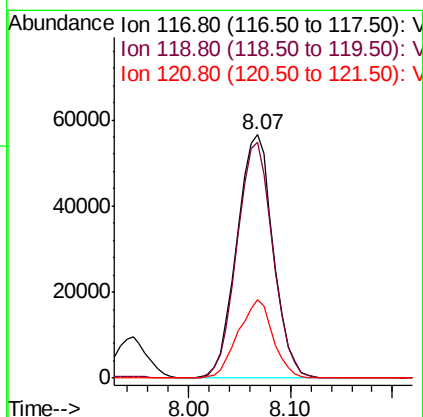
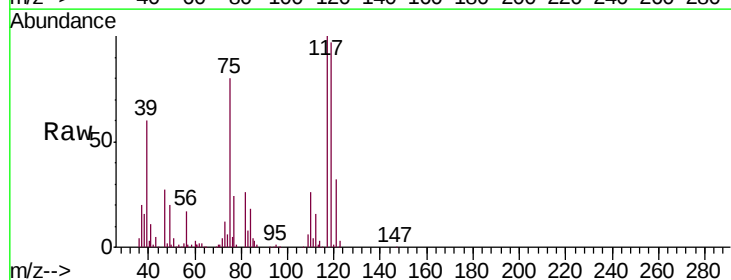
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

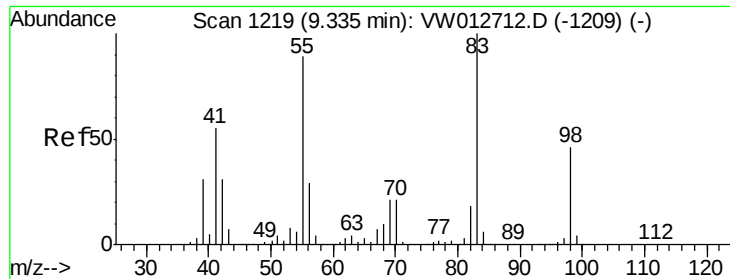
Tgt Ion: 43 Resp: 79036  
Ion Ratio Lower Upper  
43 100  
61 12.9 9.5 14.3  
70 9.1 7.0 10.6



#38  
Carbon Tetrachloride  
Concen: 47.641 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion: 117 Resp: 139884  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.2 114.2  
121 32.0 25.4 38.2

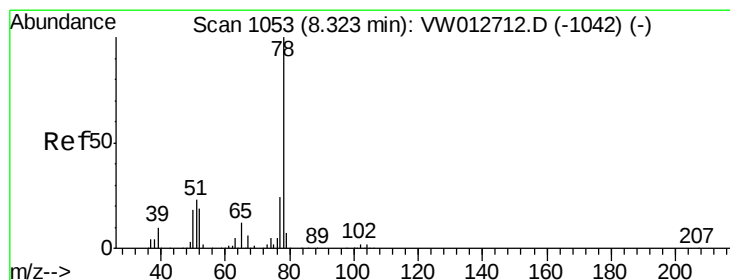
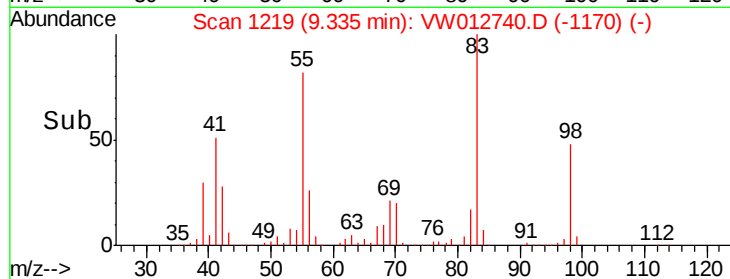
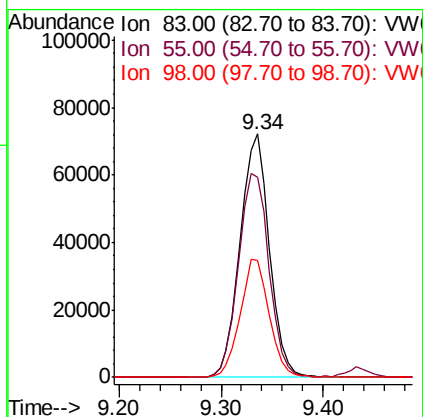
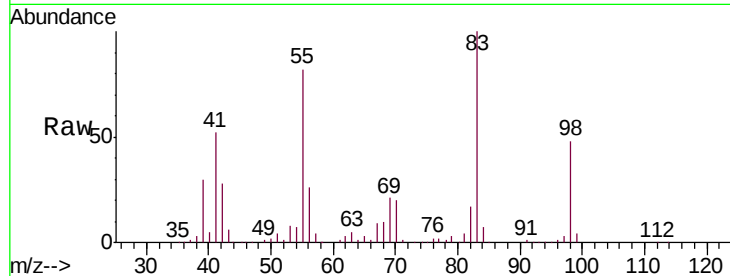




#39  
Methylcyclohexane  
Concen: 43.076 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

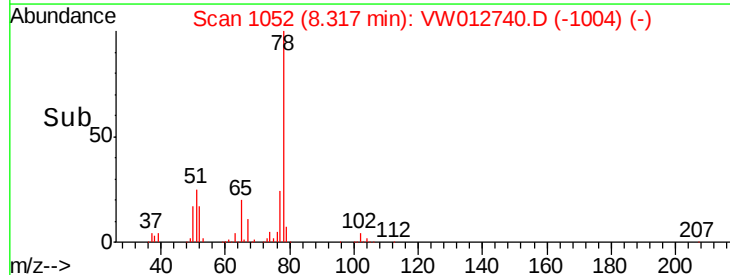
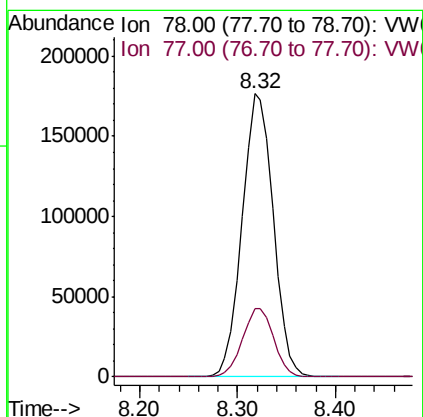
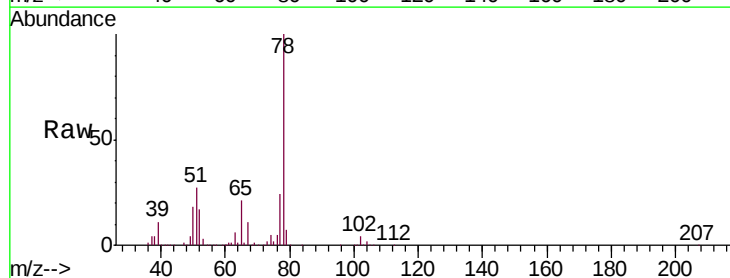
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

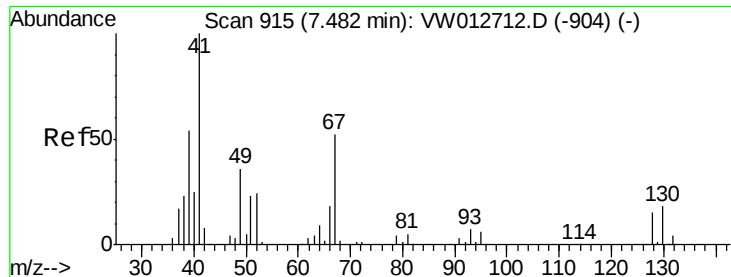
Tgt Ion: 83 Resp: 144108  
Ion Ratio Lower Upper  
83 100  
55 82.4 71.0 106.4  
98 47.9 36.9 55.3



#40  
Benzene  
Concen: 47.379 ug/l  
RT: 8.32 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion: 78 Resp: 391560  
Ion Ratio Lower Upper  
78 100  
77 24.3 19.3 28.9

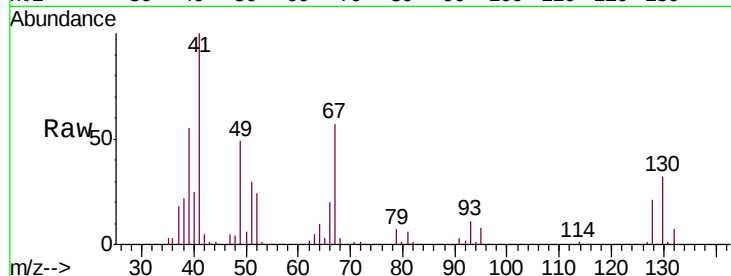




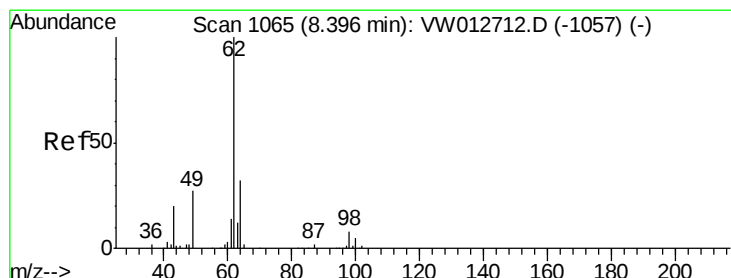
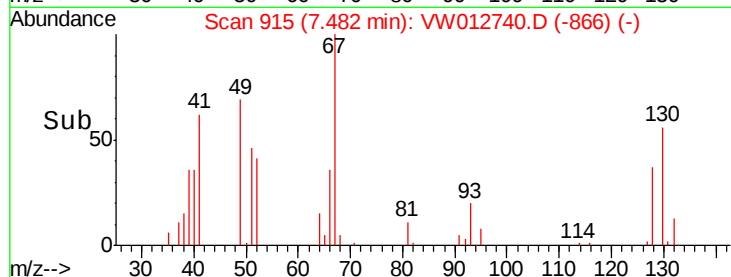
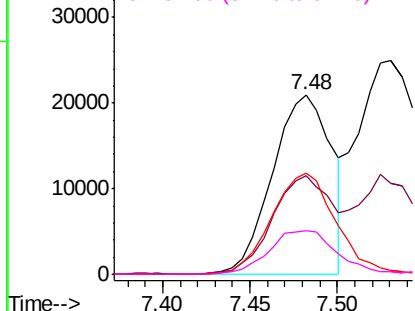
#41  
Methacrylonitrile  
Concen: 39.110 ug/l  
RT: 7.48 min Scan# 915  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 49313 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.3  | 47.5  | 71.3  |
| 67       | 61.2  | 45.1  | 67.7  |
| 52       | 27.7  | 20.2  | 30.2  |

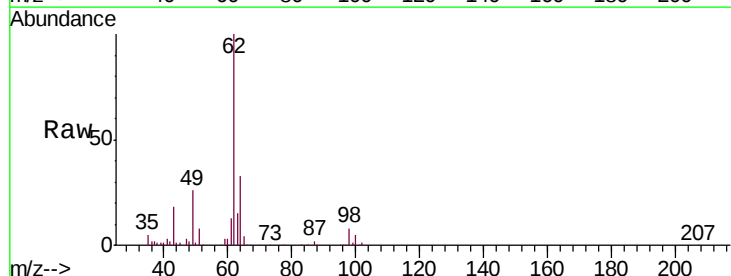


Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 39.00 (38.70 to 39.70): VW  
Ion 67.00 (66.70 to 67.70): VW  
Ion 52.00 (51.70 to 52.70): VW

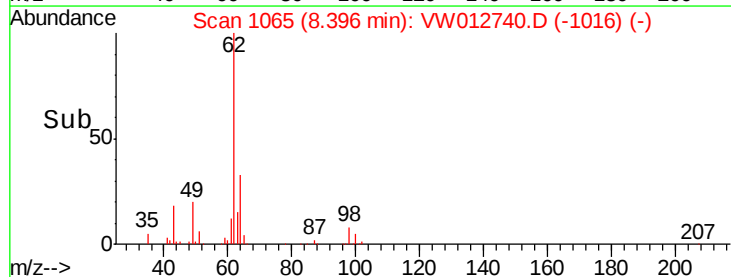
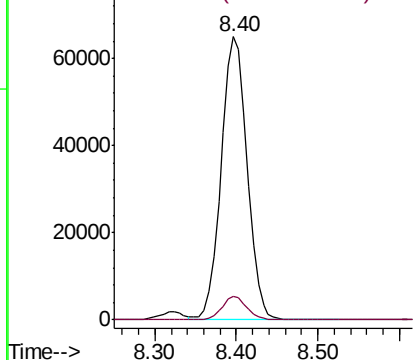


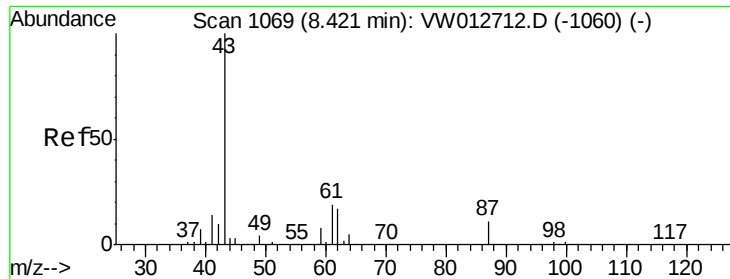
#42  
1,2-Dichloroethane  
Concen: 49.116 ug/l  
RT: 8.40 min Scan# 1065  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 142857 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 7.9   | 0.0   | 16.2   |



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





#43

Isopropyl Acetate

Concen: 43.624 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

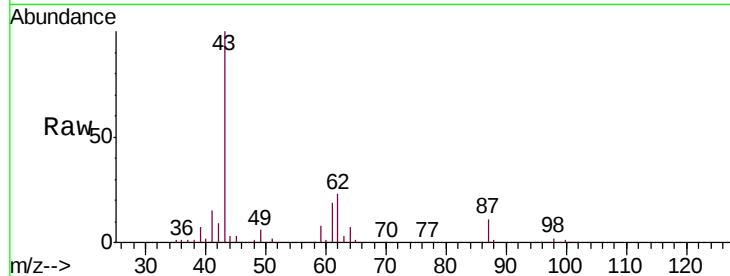
Tgt Ion: 43 Resp: 156934

Ion Ratio Lower Upper

43 100

61 26.2 20.6 30.8

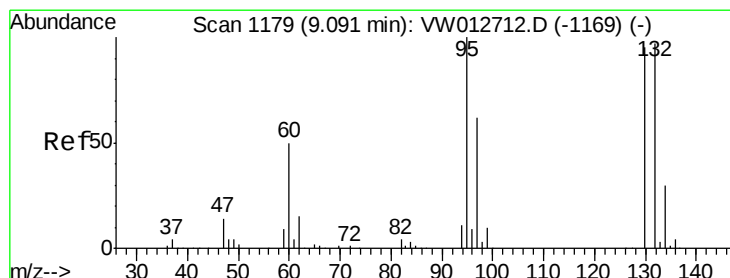
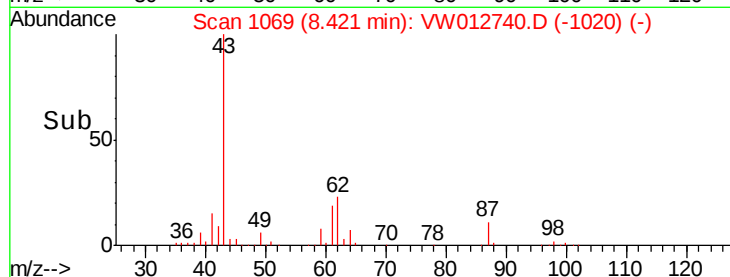
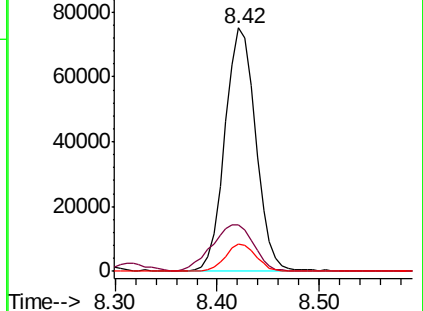
87 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 48.411 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012740.D

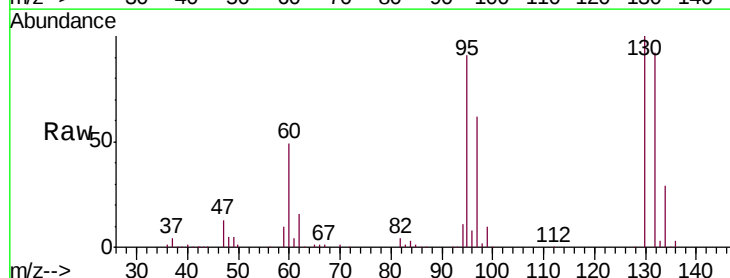
Acq: 08 Sep 2019 00:11

Tgt Ion: 130 Resp: 103131

Ion Ratio Lower Upper

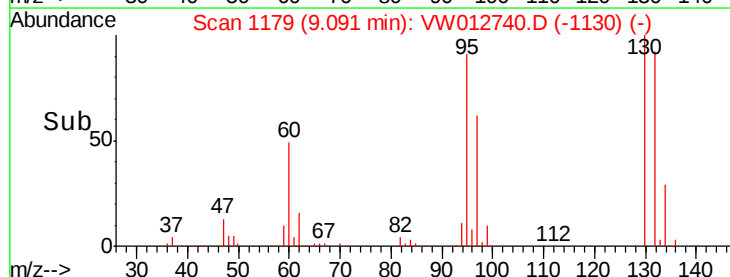
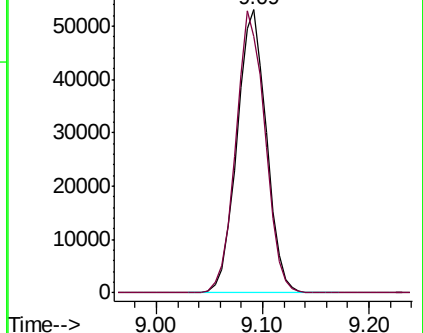
130 100

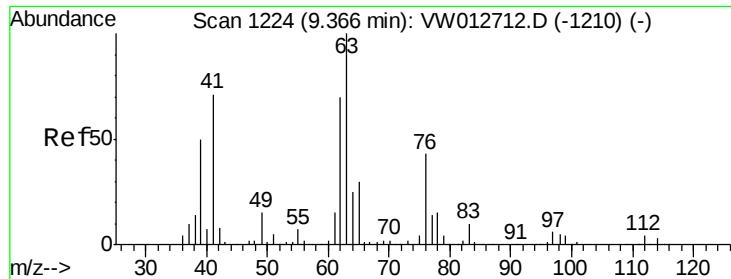
95 90.6 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

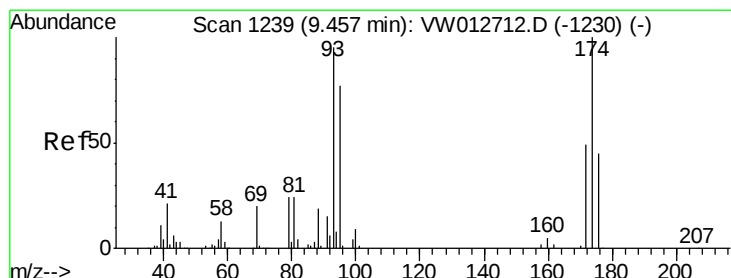
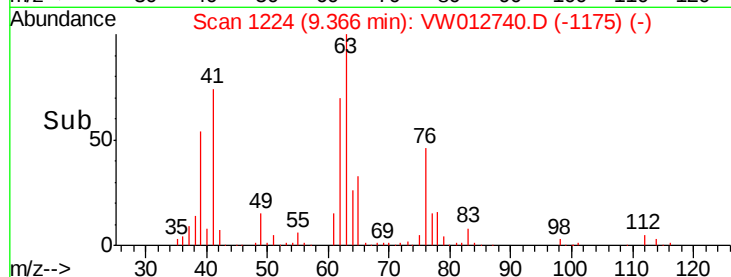
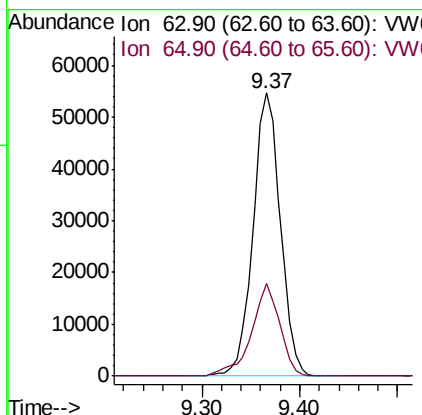
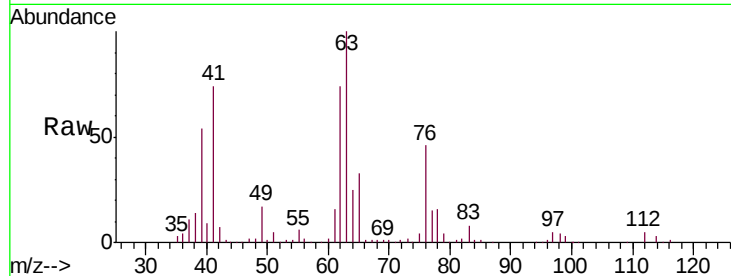




#45  
 1,2-Dichloropropane  
 Concen: 46.428 ug/l  
 RT: 9.37 min Scan# 1224  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

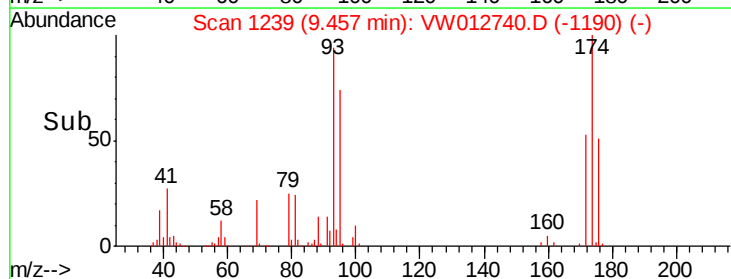
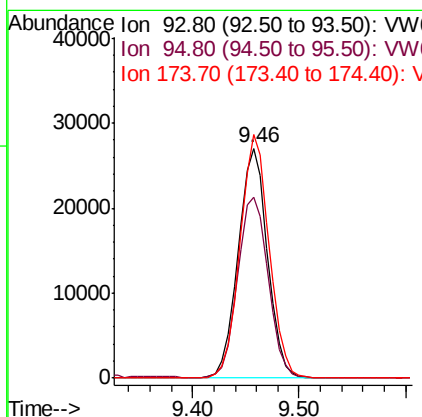
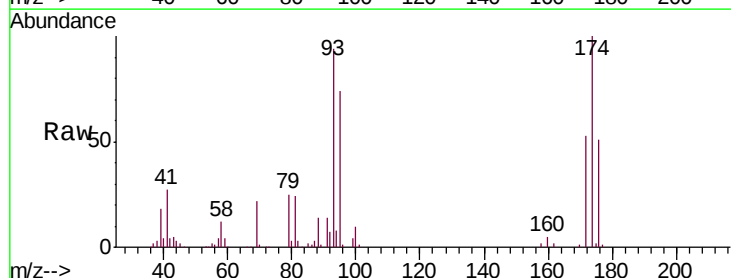
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

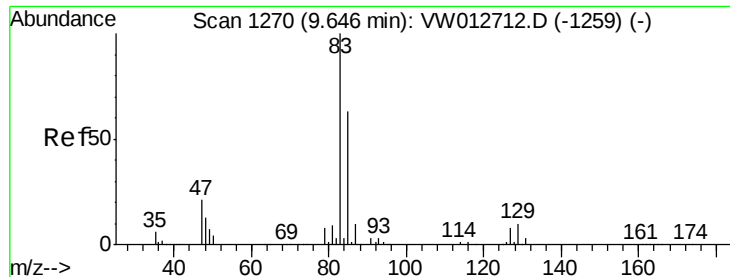
Tgt Ion: 63 Resp: 106419  
 Ion Ratio Lower Upper  
 63 100  
 65 32.7 23.8 35.8



#46  
 Dibromomethane  
 Concen: 48.026 ug/l  
 RT: 9.46 min Scan# 1239  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 93 Resp: 52128  
 Ion Ratio Lower Upper  
 93 100  
 95 82.5 65.2 97.8  
 174 105.5 84.2 126.4





#47

Bromodichloromethane

Concen: 49.093 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

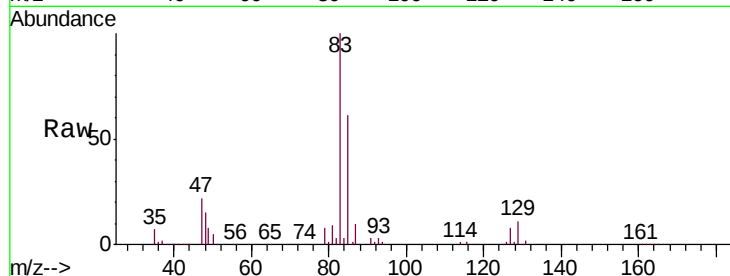
Tgt Ion: 83 Resp: 146604

Ion Ratio Lower Upper

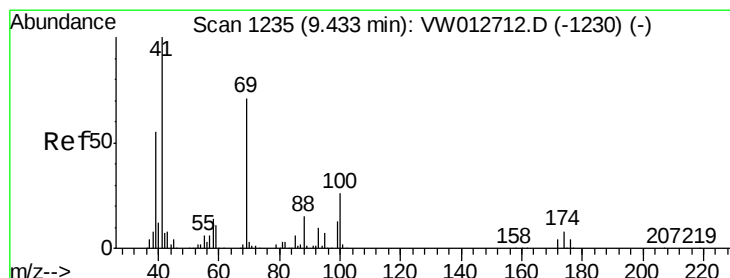
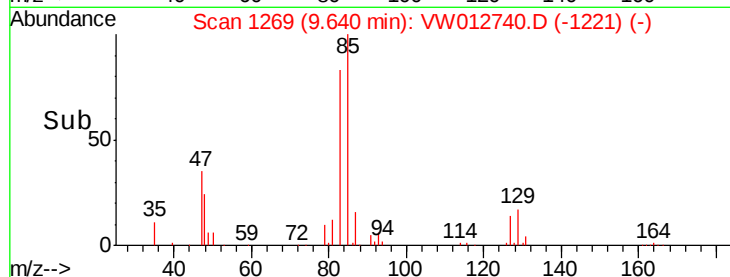
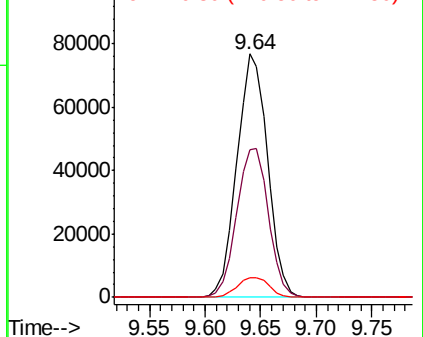
83 100

85 60.7 50.2 75.2

127 8.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW  
Ion 84.90 (84.60 to 85.60): VW  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 43.259 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

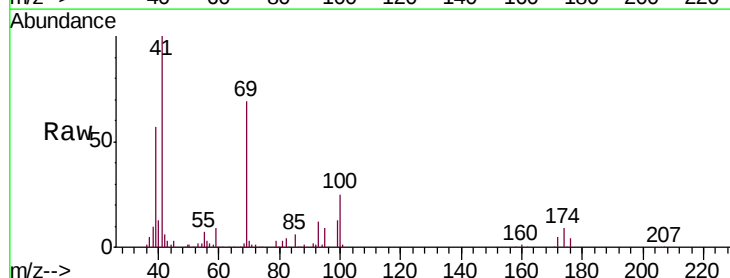
Tgt Ion: 41 Resp: 74370

Ion Ratio Lower Upper

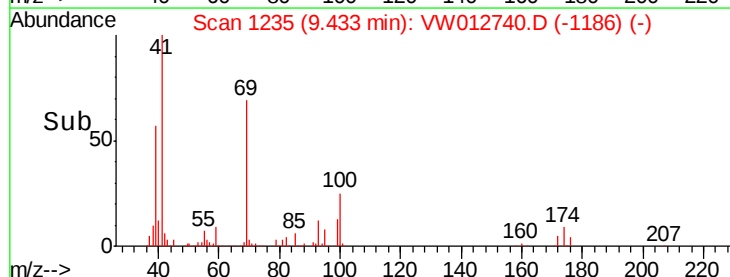
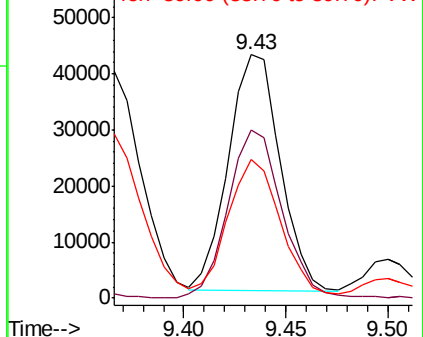
41 100

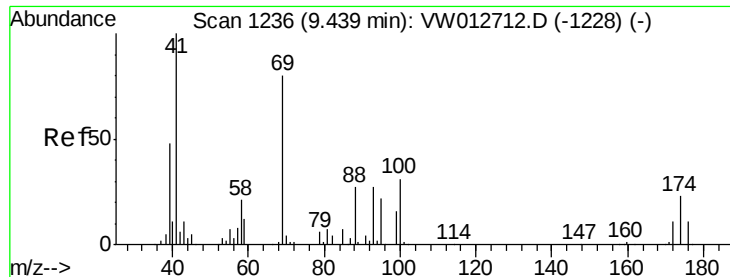
69 74.4 59.8 89.8

39 60.6 47.0 70.6



Abundance Ion 41.00 (40.70 to 41.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 39.00 (38.70 to 39.70): VW

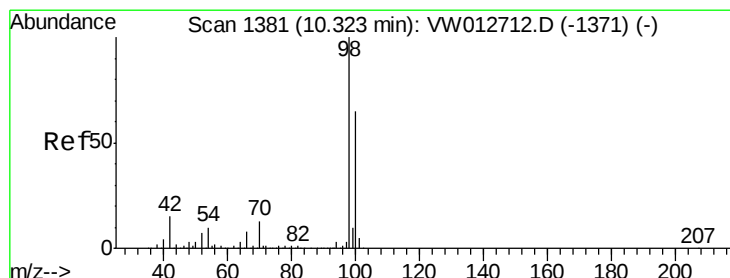
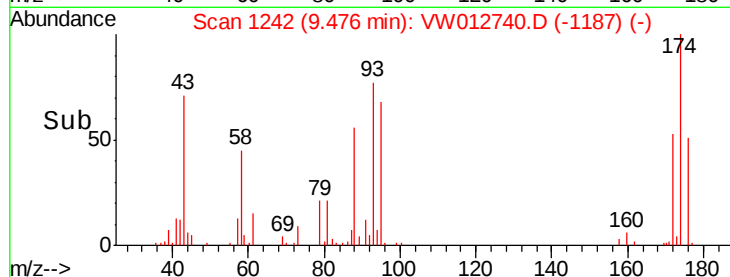
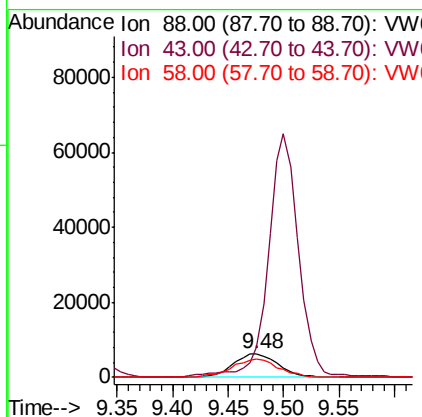
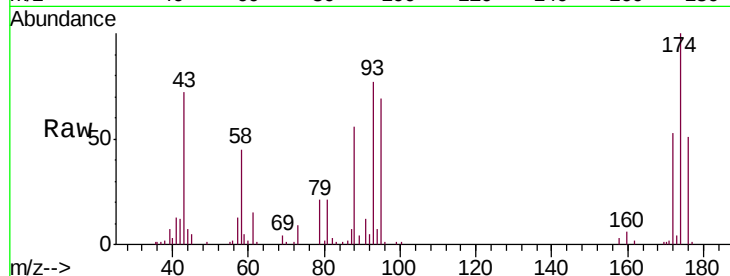




#49  
 1,4-Dioxane  
 Concen: 813.751 ug/l  
 RT: 9.48 min Scan# 1242  
 Delta R.T. 0.04 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

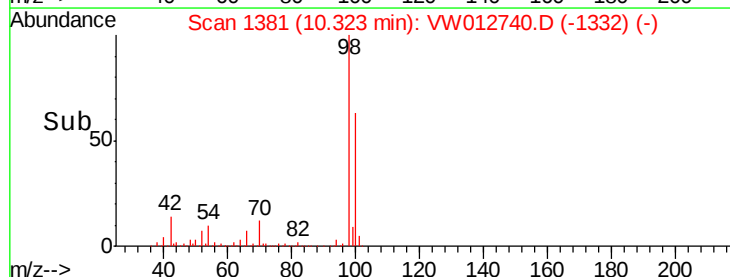
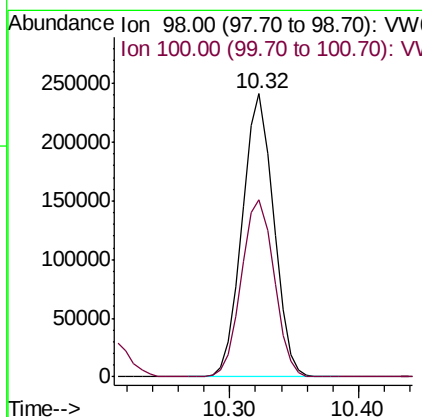
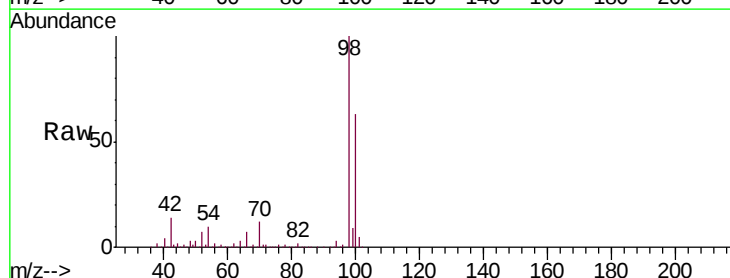
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

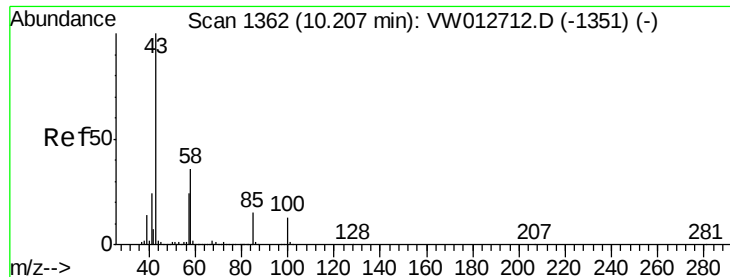
Tgt Ion: 88 Resp: 17447  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 34.8 52.2#  
 58 82.5 64.1 96.1



#50  
 Toluene-d8  
 Concen: 52.131 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 98 Resp: 407058  
 Ion Ratio Lower Upper  
 98 100  
 100 65.1 52.2 78.4

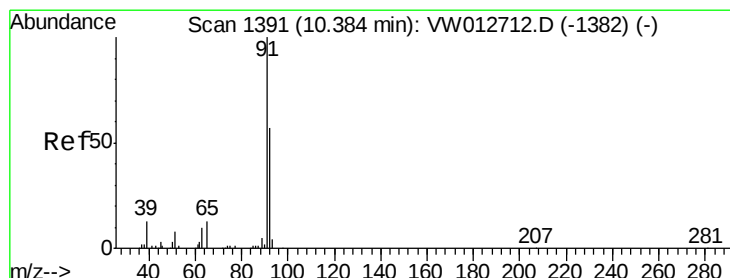
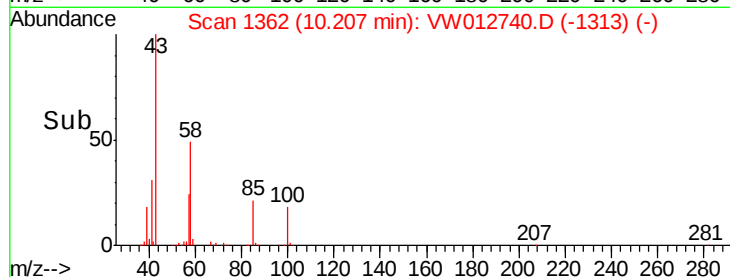
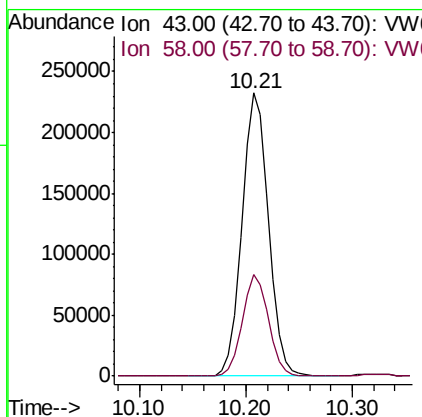
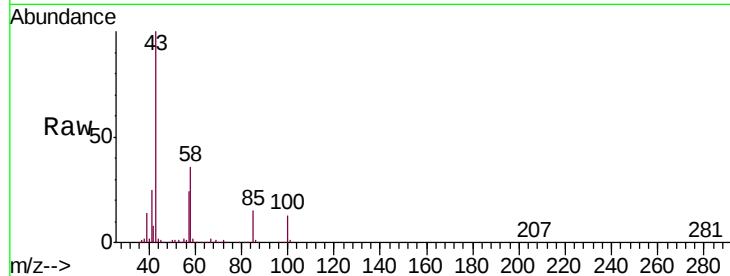




#51  
 4-Methyl-2-Pentanone  
 Concen: 214.779 ug/l  
 RT: 10.21 min Scan# 1362  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

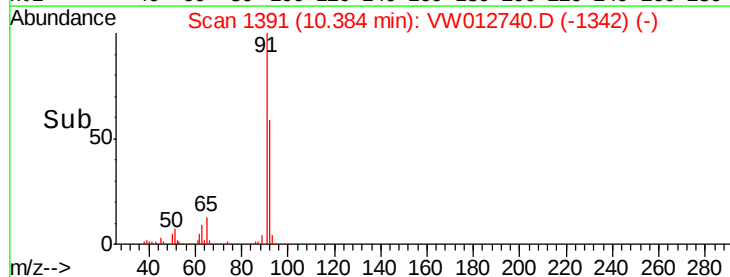
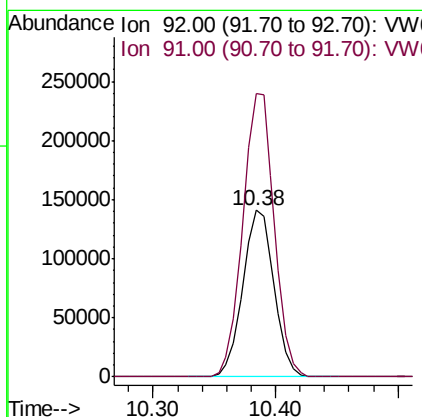
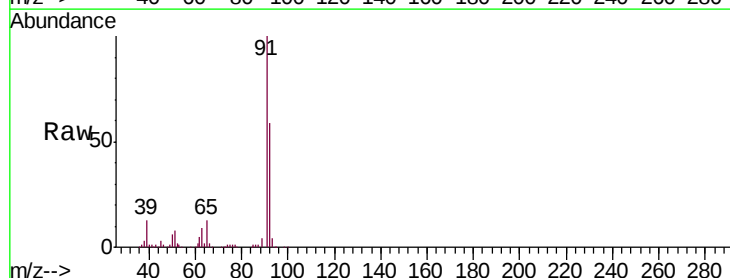
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

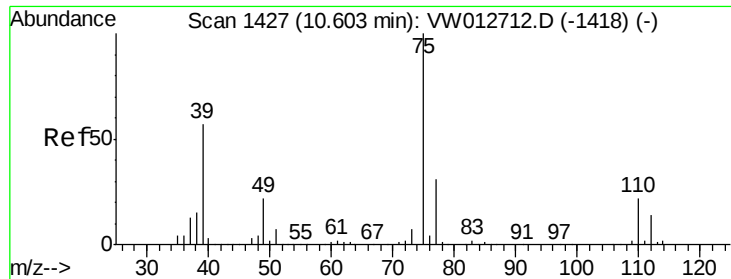
Tgt Ion: 43 Resp: 405434  
 Ion Ratio Lower Upper  
 43 100  
 58 35.4 28.4 42.6



#52  
 Toluene  
 Concen: 48.311 ug/l  
 RT: 10.38 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 92 Resp: 249195  
 Ion Ratio Lower Upper  
 92 100  
 91 171.7 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 46.966 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

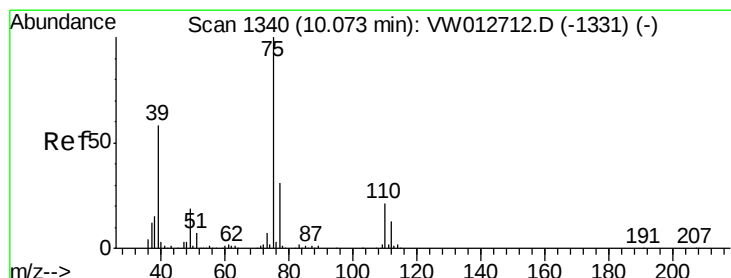
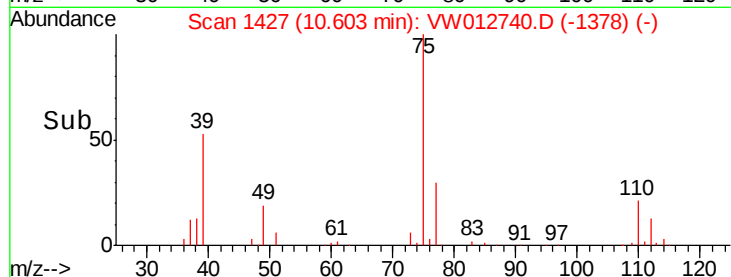
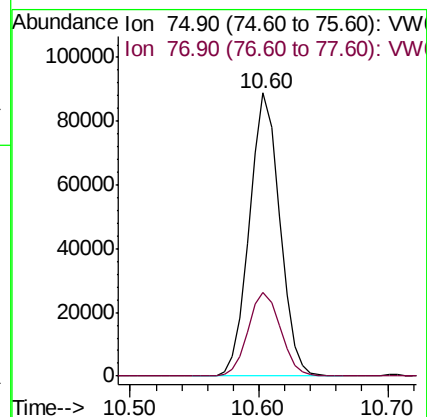
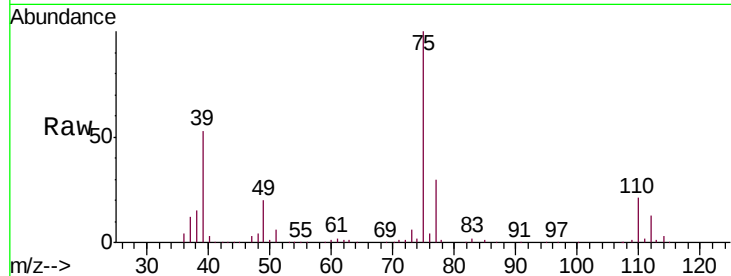
VSTDCCC050EC

Tgt Ion: 75 Resp: 144216

Ion Ratio Lower Upper

75 100

77 29.5 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 46.865 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

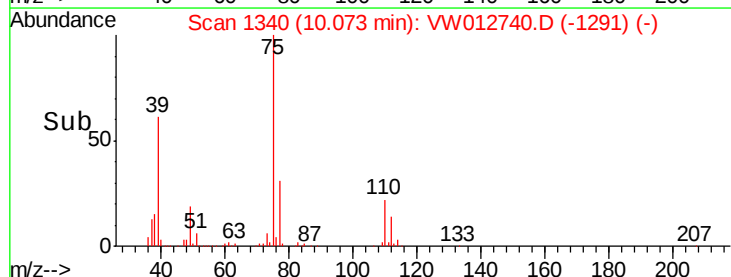
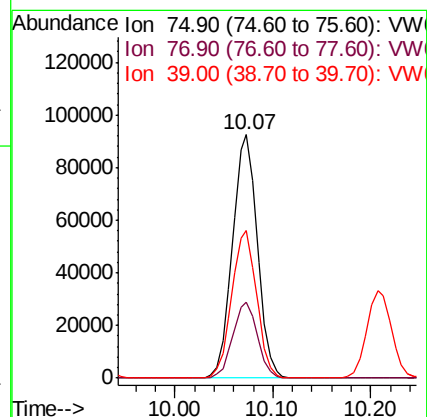
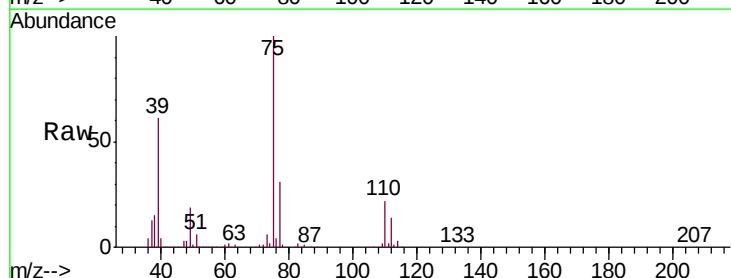
Tgt Ion: 75 Resp: 163250

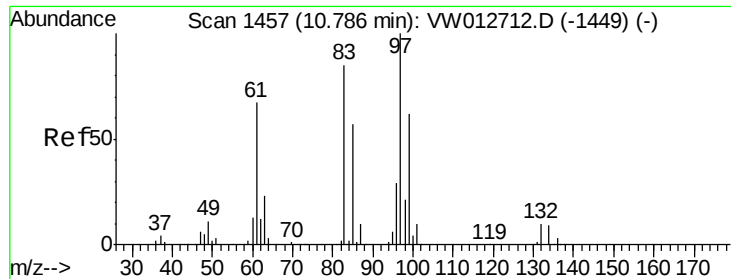
Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8

39 60.6 46.3 69.5

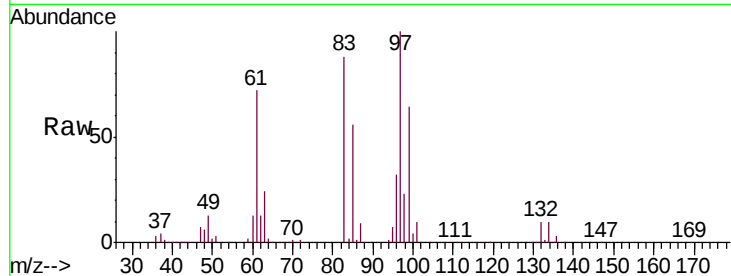




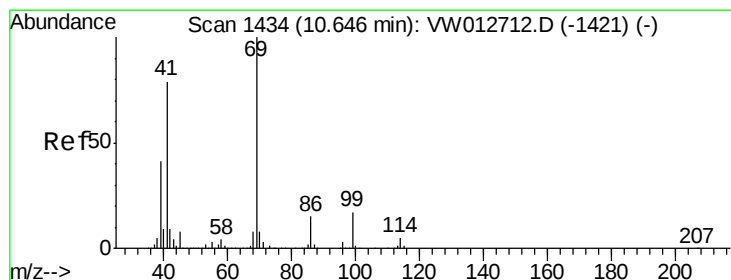
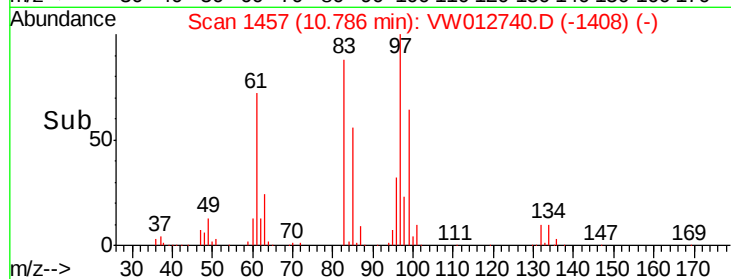
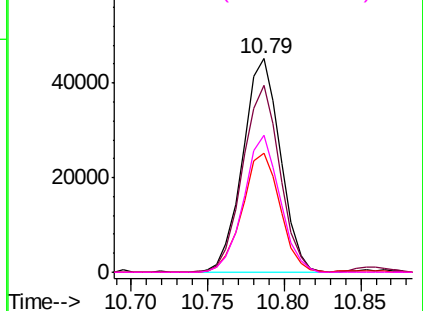
#55  
 1,1,2-Trichloroethane  
 Concen: 47.655 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 77440 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.7  | 68.1  | 102.1 |
| 85       | 55.5  | 45.3  | 67.9  |
| 99       | 64.2  | 50.0  | 75.0  |

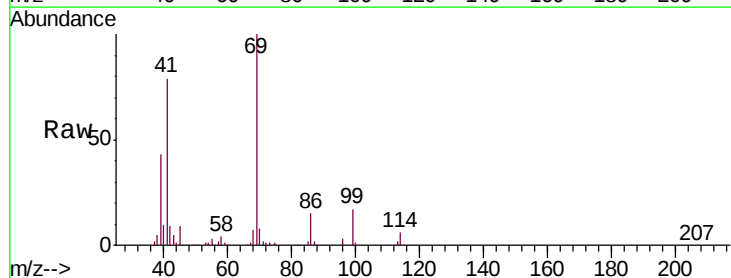


Abundance Ion 96.90 (96.60 to 97.60): VW  
 Ion 82.90 (82.60 to 83.60): VW  
 Ion 84.90 (84.60 to 85.60): VW  
 Ion 98.90 (98.60 to 99.60): VW

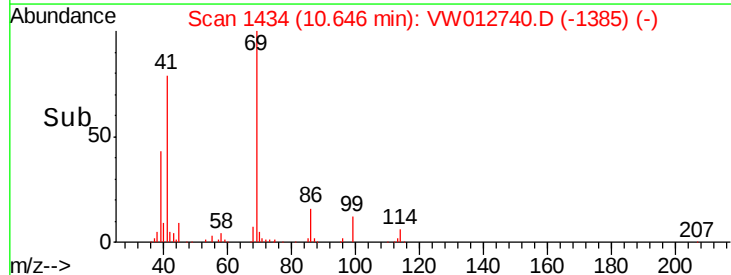
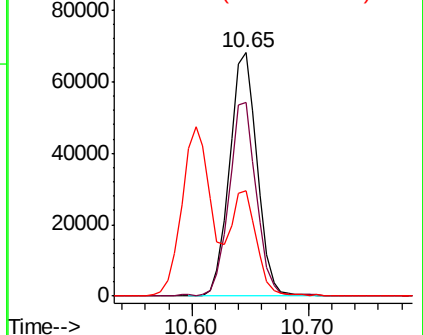


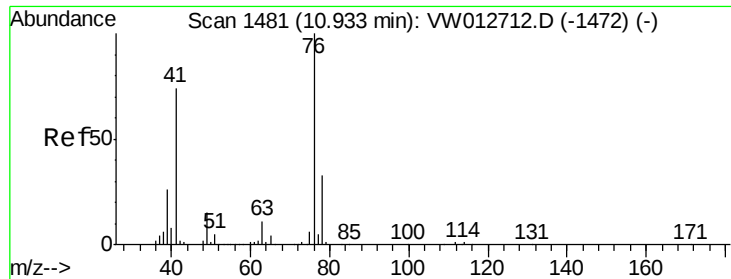
#56  
 Ethyl methacrylate  
 Concen: 47.227 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 112338 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 79.4  | 64.4  | 96.6   |
| 39       | 37.6  | 31.1  | 46.7   |



Abundance Ion 69.00 (68.70 to 69.70): VW  
 Ion 41.00 (40.70 to 41.70): VW  
 Ion 39.00 (38.70 to 39.70): VW

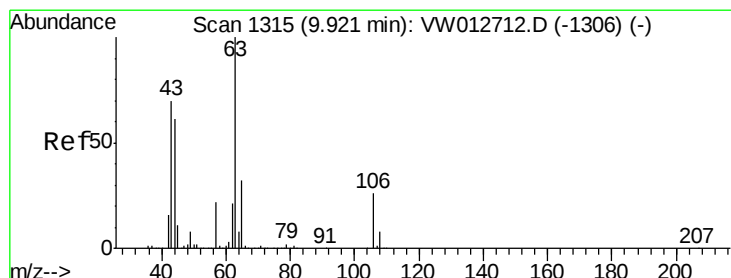
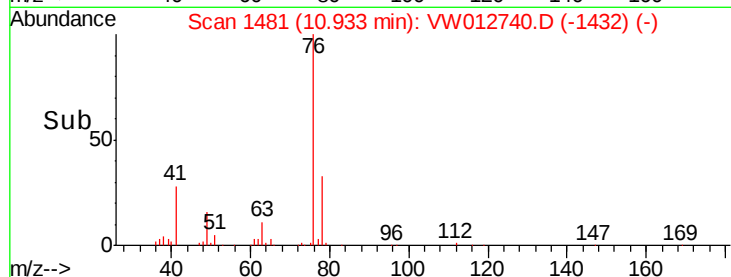
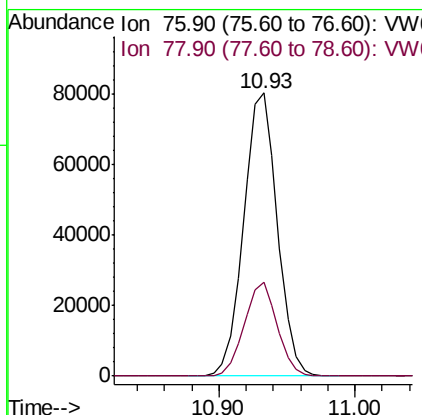
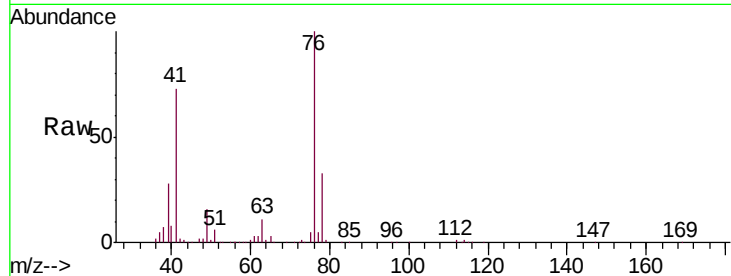




#57  
 1,3-Dichloropropane  
 Concen: 46.202 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

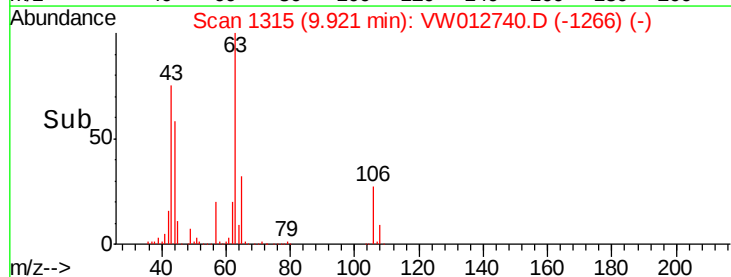
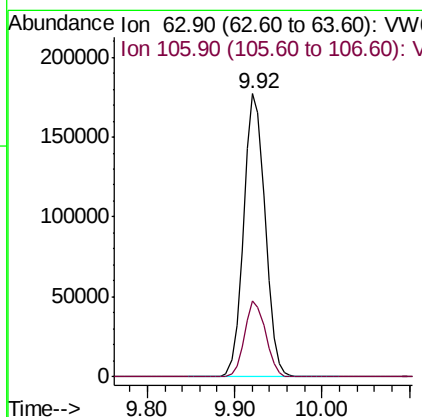
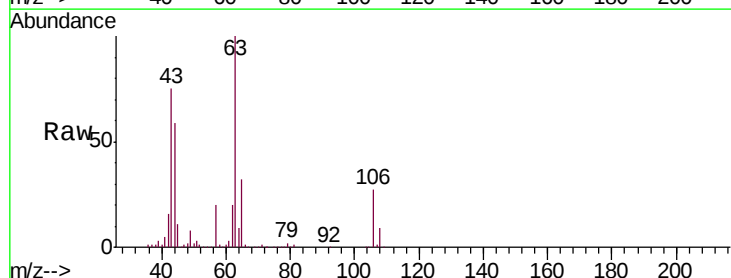
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

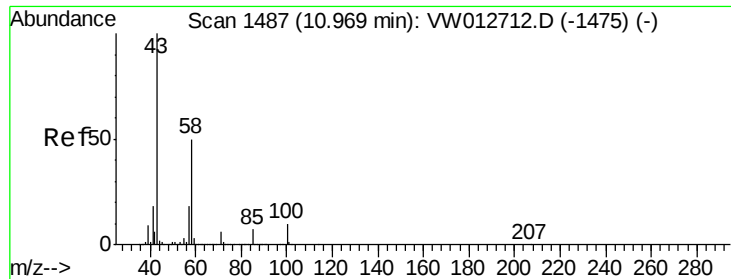
Tgt Ion: 76 Resp: 138894  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 25.9 38.9



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 237.701 ug/l  
 RT: 9.92 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 63 Resp: 300169  
 Ion Ratio Lower Upper  
 63 100  
 106 26.4 20.5 30.7

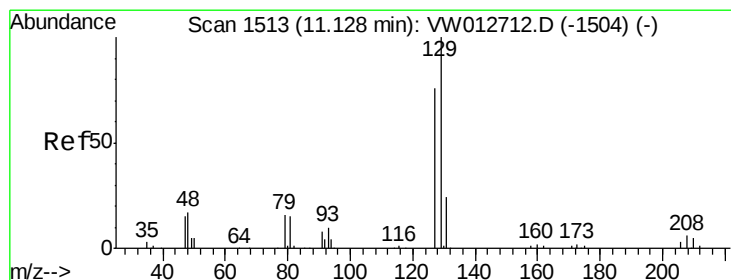
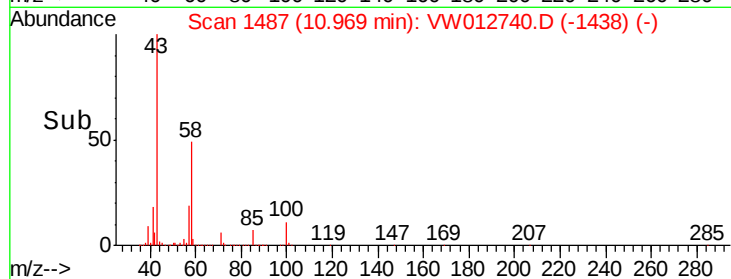
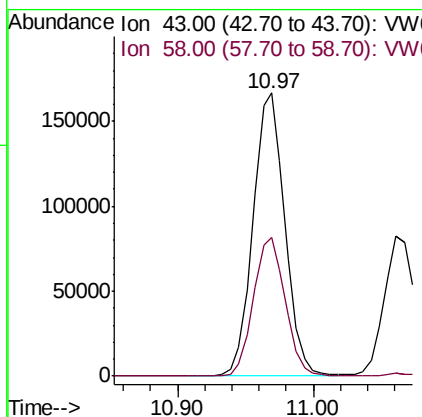
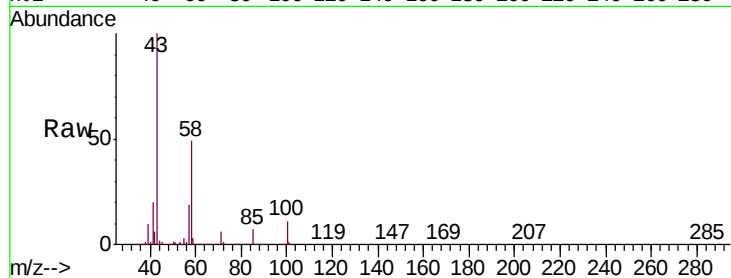




#59  
2-Hexanone  
Concen: 197.880 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

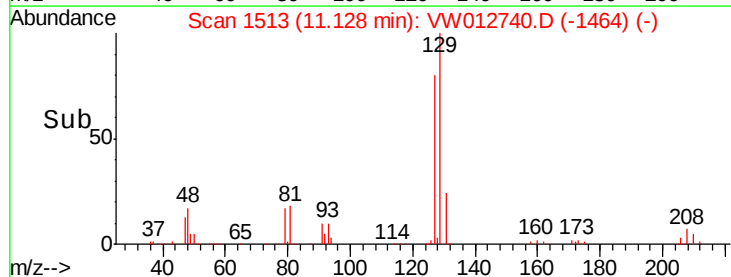
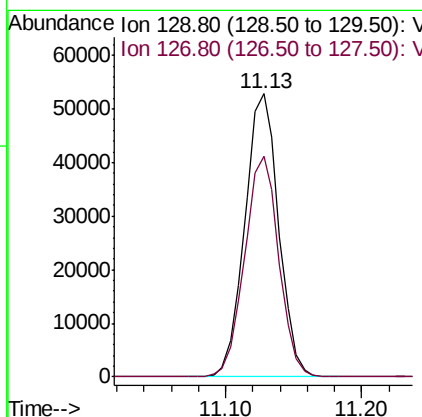
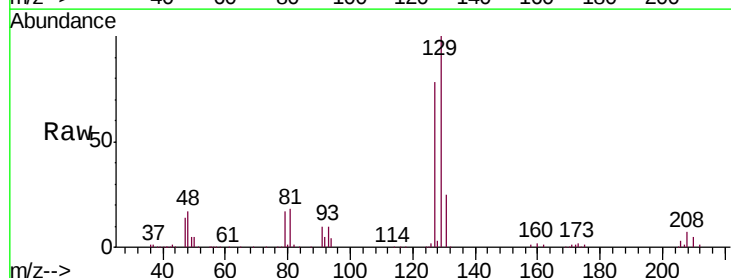
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

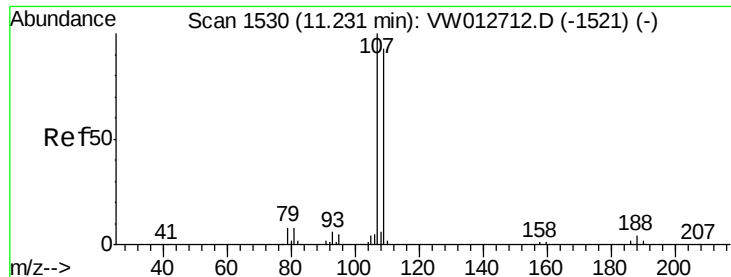
Tgt Ion: 43 Resp: 272898  
Ion Ratio Lower Upper  
43 100  
58 49.1 24.7 74.1



#60  
Dibromochloromethane  
Concen: 48.094 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion: 129 Resp: 91914  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.6 115.8

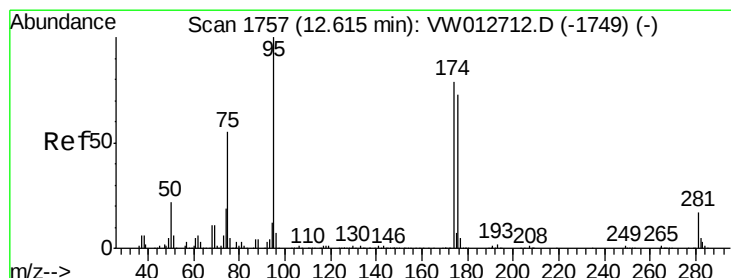
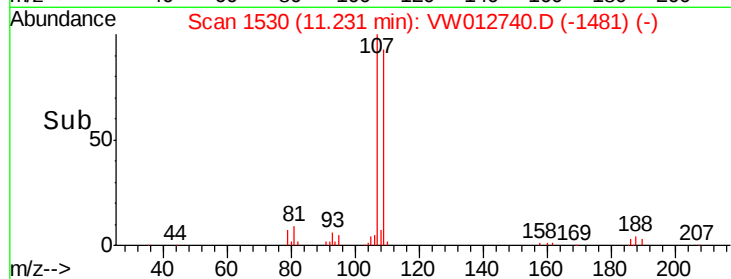
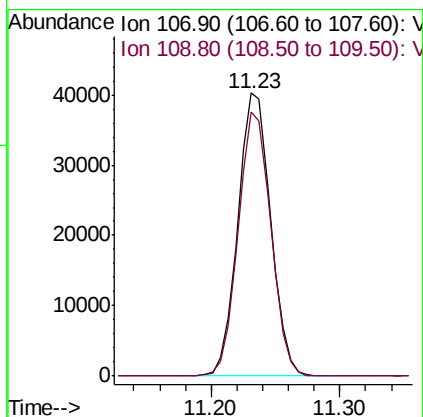
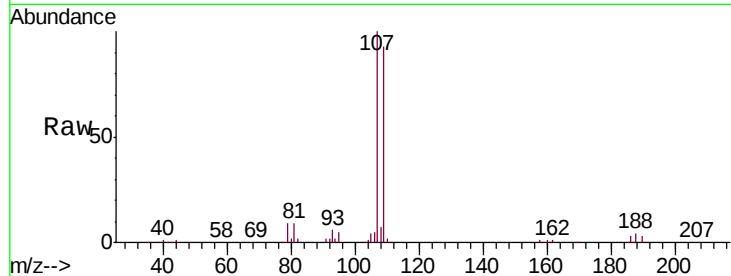




#61  
 1,2-Dibromoethane  
 Concen: 47.500 ug/l  
 RT: 11.23 min Scan# 1530  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

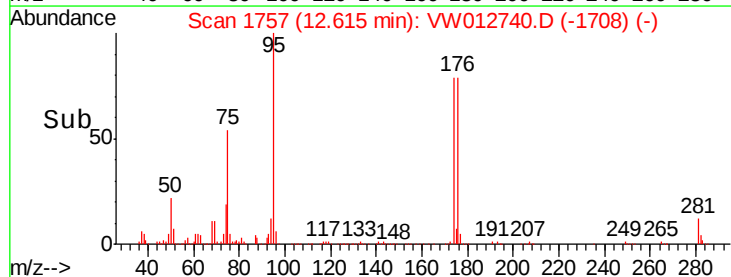
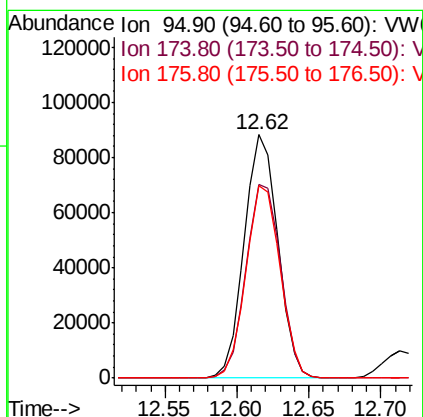
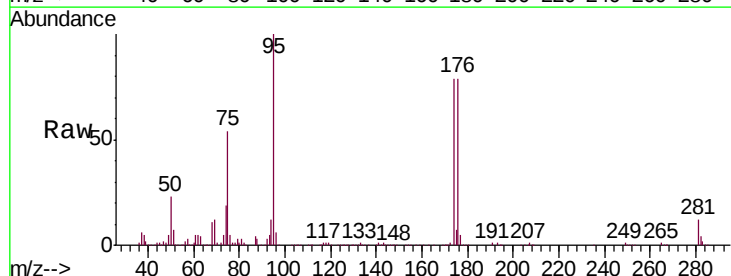
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

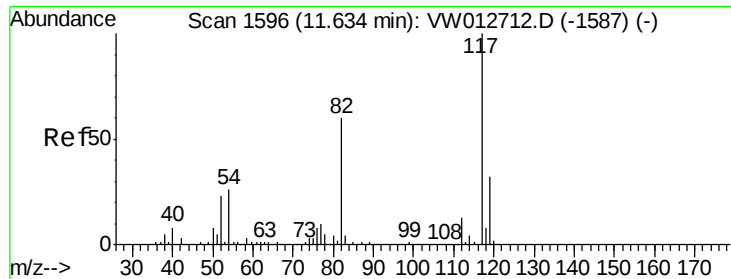
Tgt Ion: 107 Resp: 70766  
 Ion Ratio Lower Upper  
 107 100  
 109 93.1 75.0 112.6



#62  
 4-Bromofluorobenzene  
 Concen: 50.339 ug/l  
 RT: 12.62 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 95 Resp: 142695  
 Ion Ratio Lower Upper  
 95 100  
 174 81.8 0.0 161.0  
 176 80.3 0.0 156.4

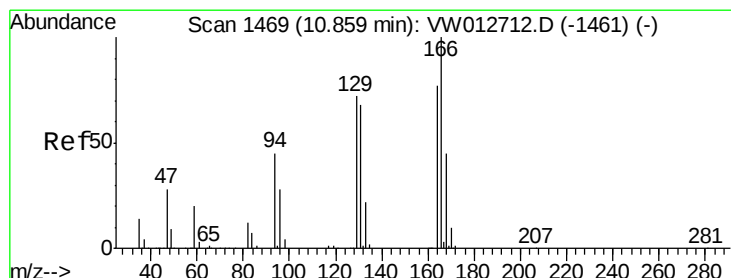
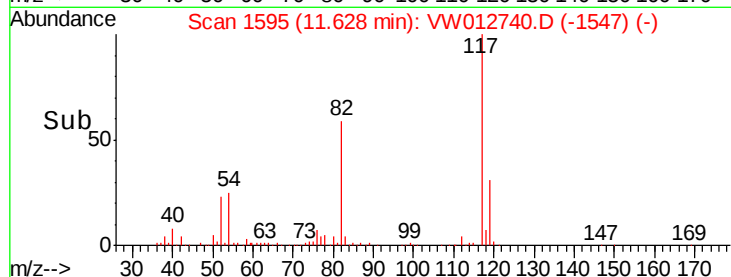
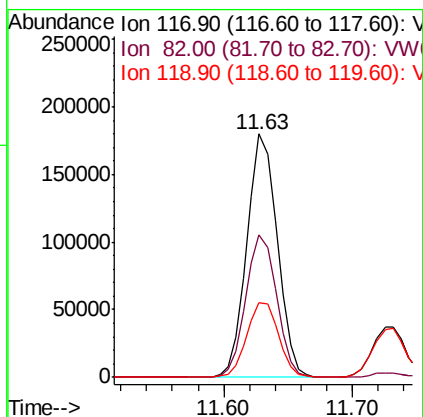
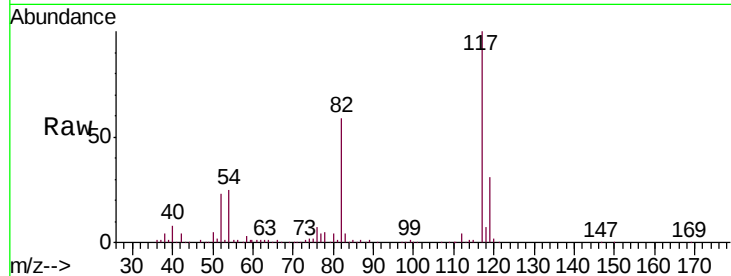




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1595  
Delta R.T. -0.01 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

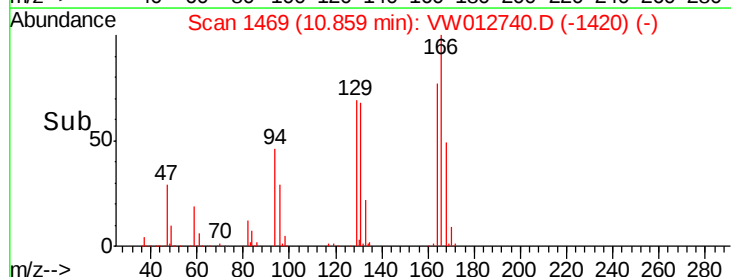
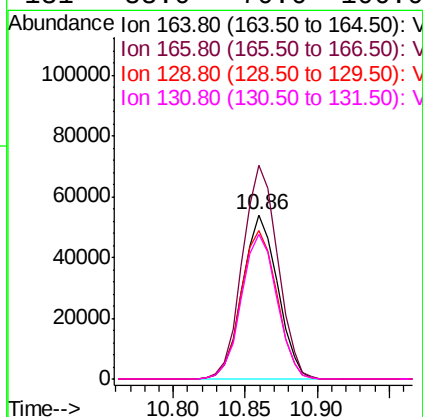
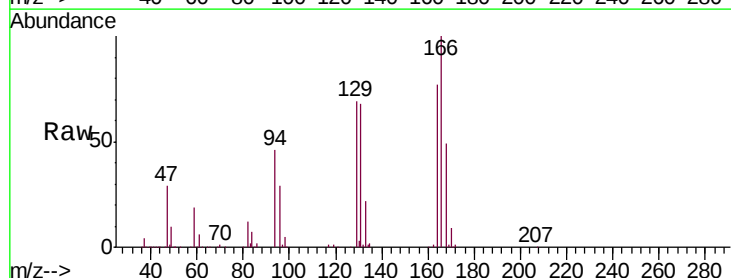
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

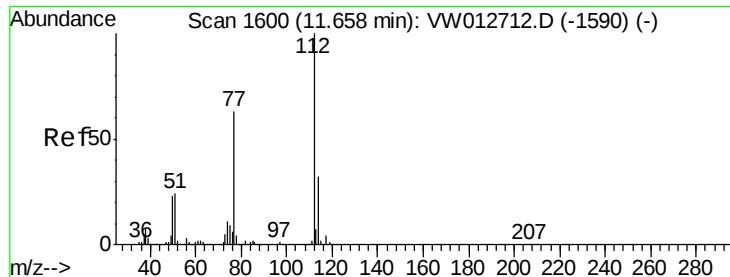
Tgt Ion:117 Resp: 293188  
Ion Ratio Lower Upper  
117 100  
82 58.6 48.2 72.4  
119 30.8 25.8 38.6



#64  
Tetrachloroethene  
Concen: 51.399 ug/l  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion:164 Resp: 91438  
Ion Ratio Lower Upper  
164 100  
166 130.2 103.6 155.4  
129 90.4 74.6 112.0  
131 88.0 70.6 106.0

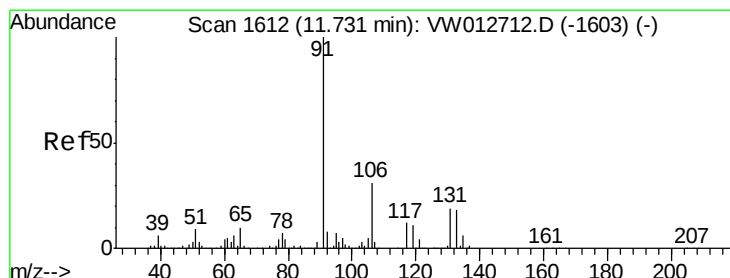
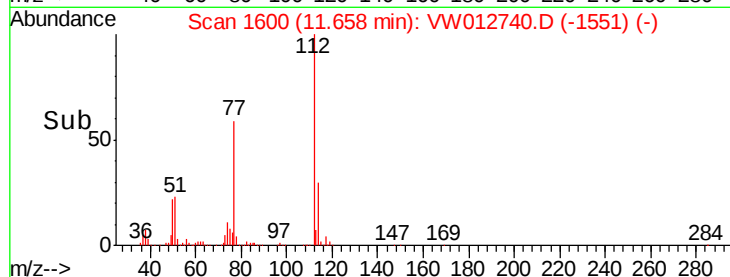
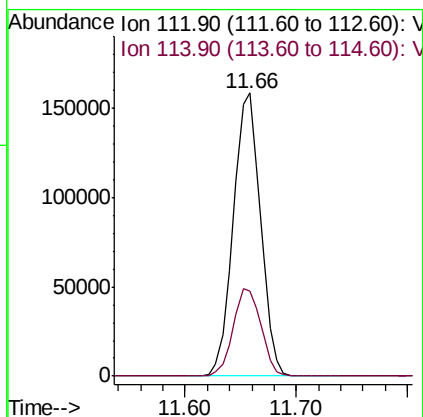
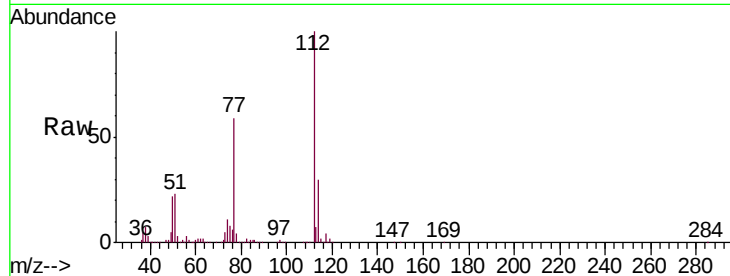




#65  
Chlorobenzene  
Concen: 48.368 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

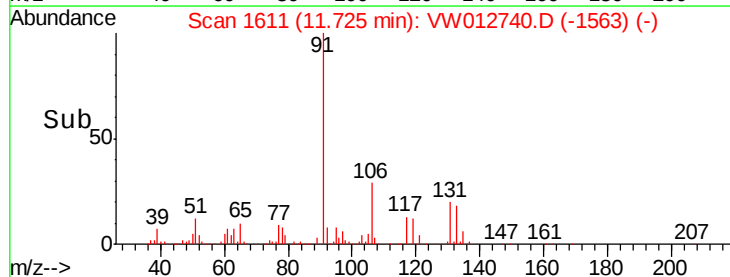
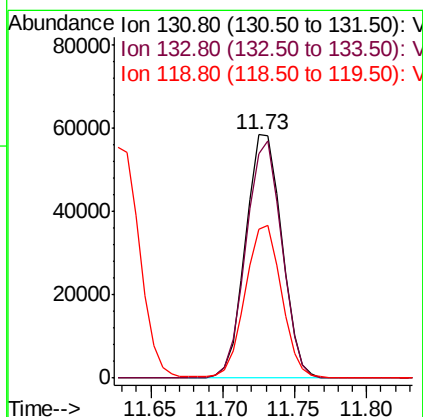
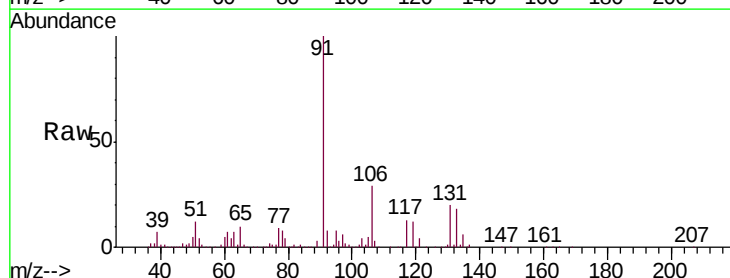
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

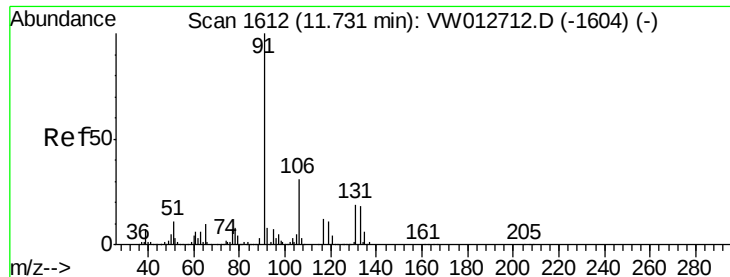
Tgt Ion:112 Resp: 268024  
Ion Ratio Lower Upper  
112 100  
114 30.2 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.425 ug/l  
RT: 11.73 min Scan# 1611  
Delta R.T. -0.01 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion:131 Resp: 101995  
Ion Ratio Lower Upper  
131 100  
133 96.0 47.6 142.8  
119 63.1 30.6 92.0

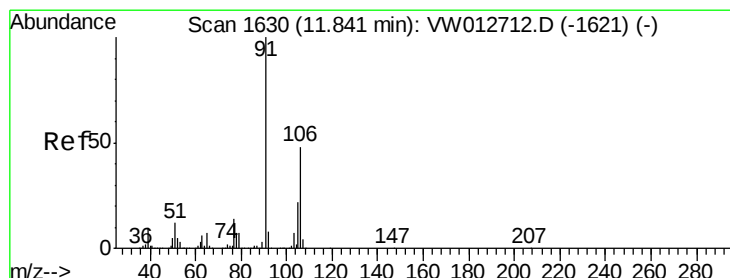
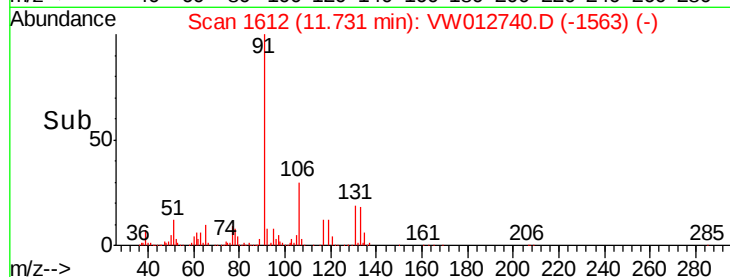
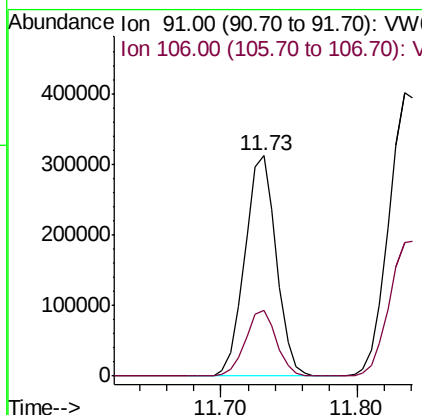
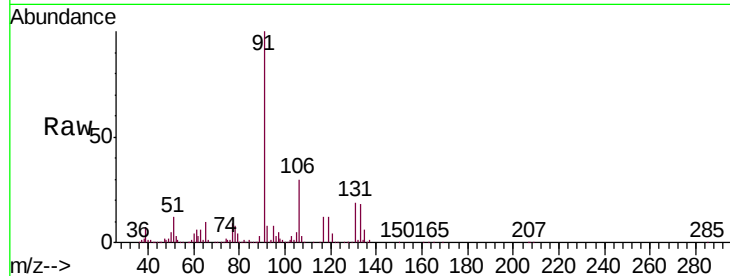




#67  
Ethyl Benzene  
Concen: 48.466 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

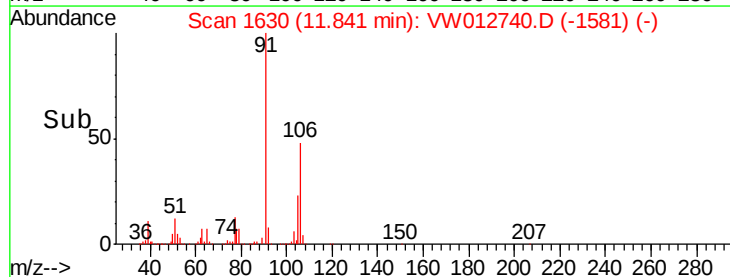
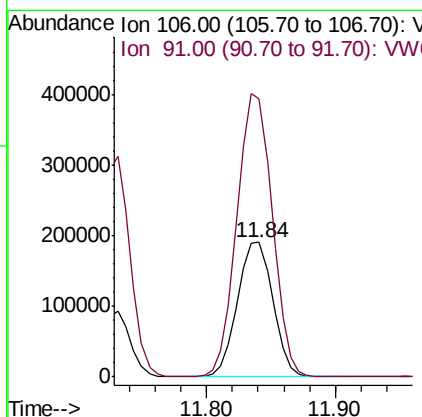
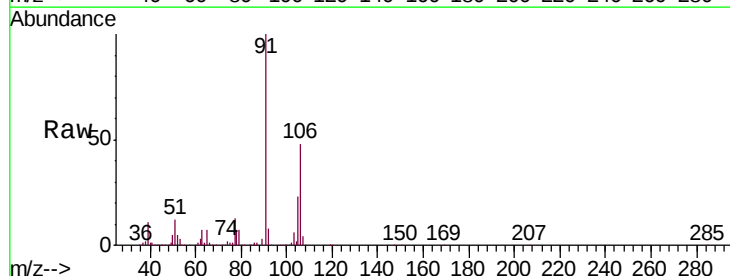
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

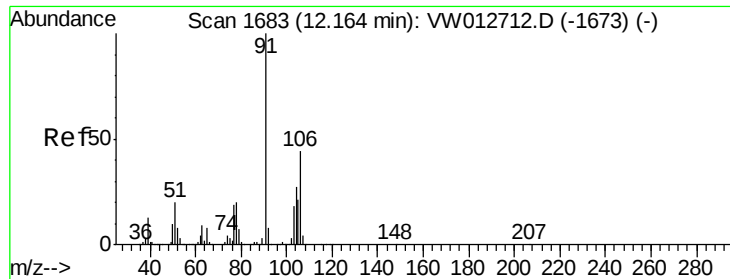
Tgt Ion: 91 Resp: 503890  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.4 36.6



#68  
m/p-Xylenes  
Concen: 96.876 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion: 106 Resp: 363558  
Ion Ratio Lower Upper  
106 100  
91 209.9 168.2 252.4

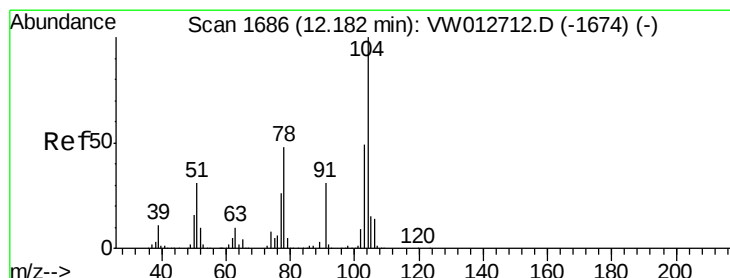
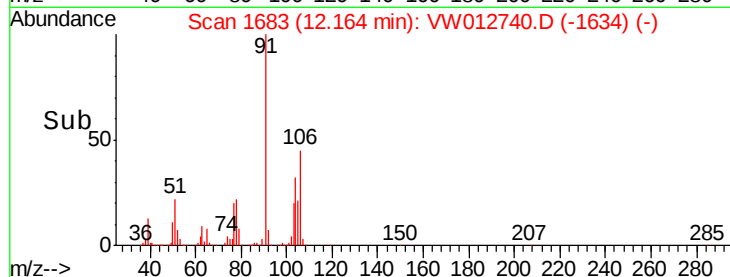
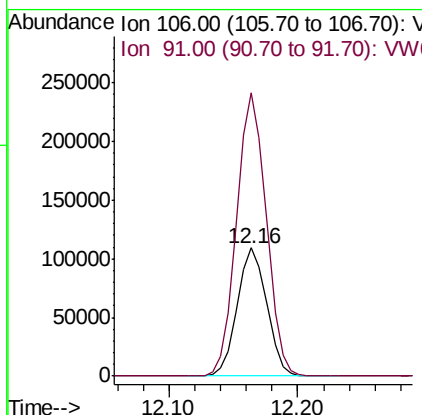
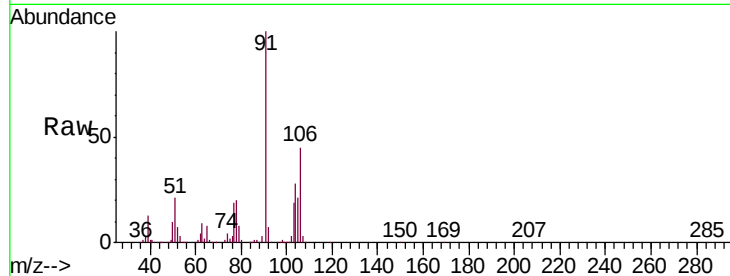




#69  
o-Xylene  
Concen: 48.940 ug/l  
RT: 12.16 min Scan# 1683  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

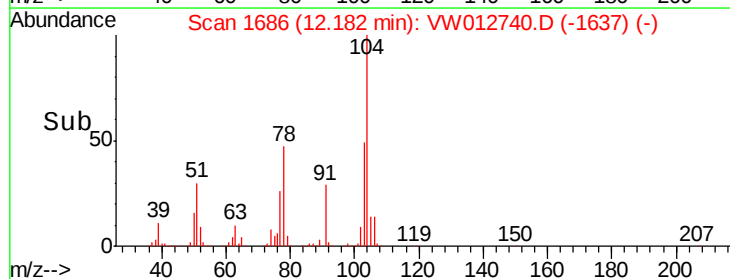
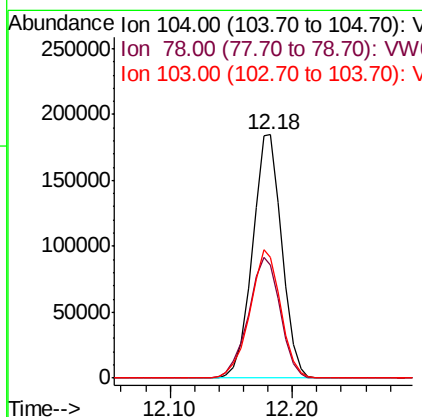
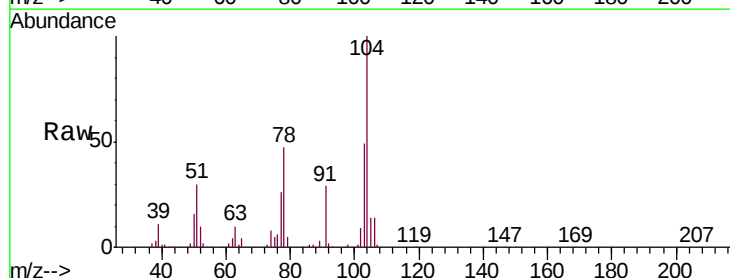
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

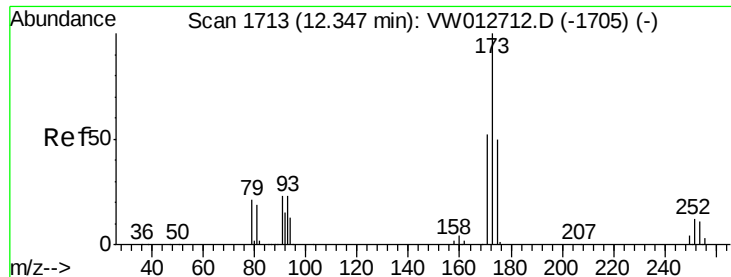
Tgt Ion:106 Resp: 173271  
Ion Ratio Lower Upper  
106 100  
91 222.1 112.3 336.8



#70  
Styrene  
Concen: 49.319 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion:104 Resp: 308555  
Ion Ratio Lower Upper  
104 100  
78 54.0 43.3 64.9  
103 55.0 44.0 66.0





#71

Bromoform

Concen: 48.822 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

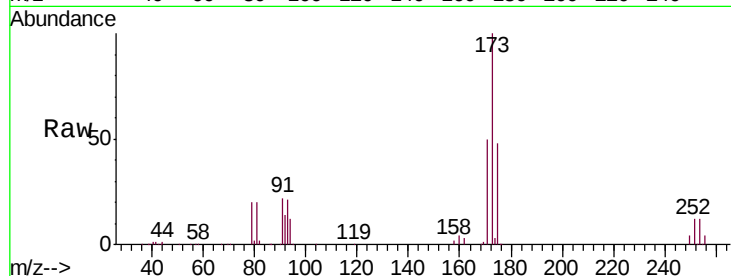
Tgt Ion:173 Resp: 55975

Ion Ratio Lower Upper

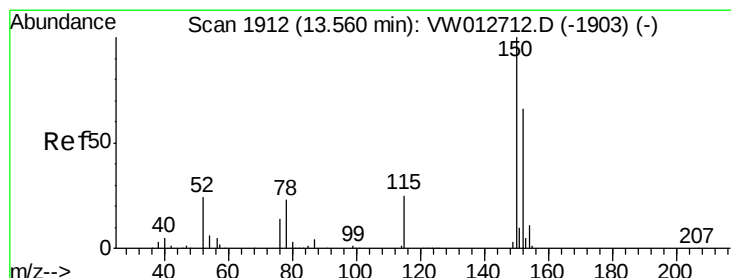
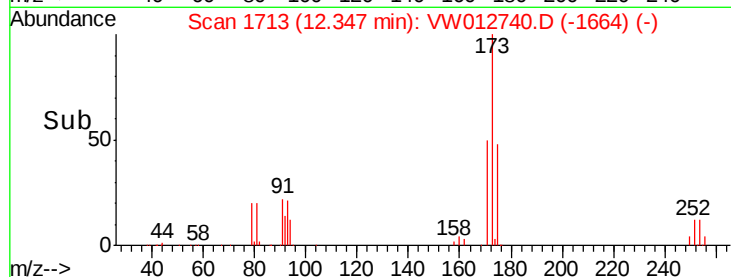
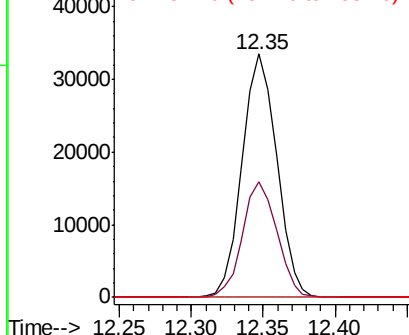
173 100

175 47.2 24.8 74.3

254 0.1 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. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

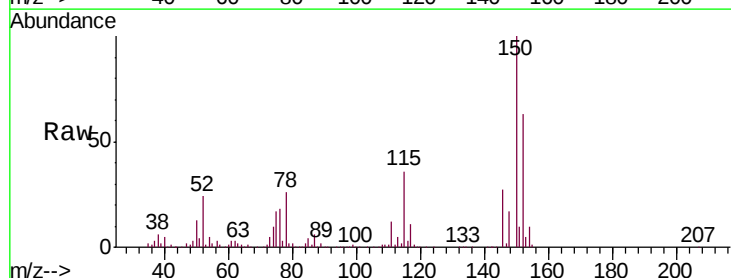
Tgt Ion:152 Resp: 145819

Ion Ratio Lower Upper

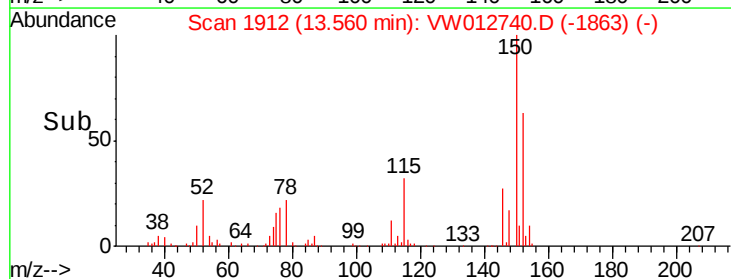
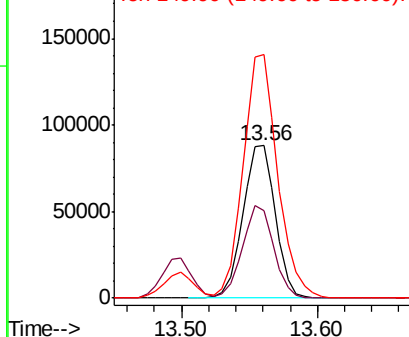
152 100

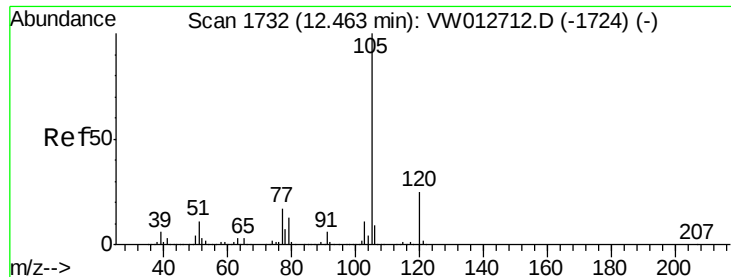
115 58.6 30.0 90.1

150 170.5 0.0 349.0



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: 47.729 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

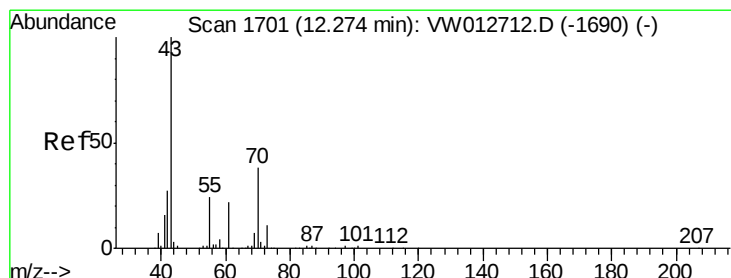
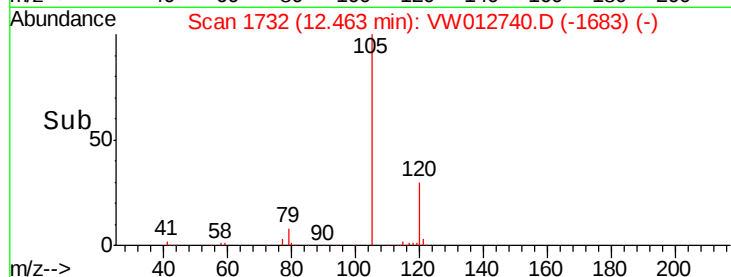
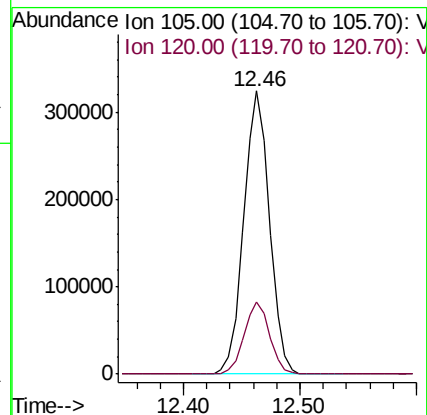
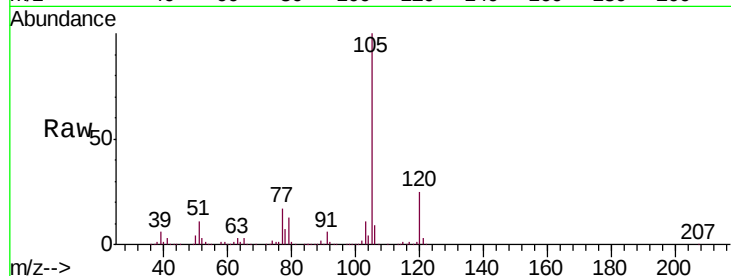
VSTDCCC050EC

Tgt Ion:105 Resp: 499177

Ion Ratio Lower Upper

105 100

120 25.3 13.0 38.9



#74

N-ethyl acetate

Concen: 42.448 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Tgt Ion: 43 Resp: 140914

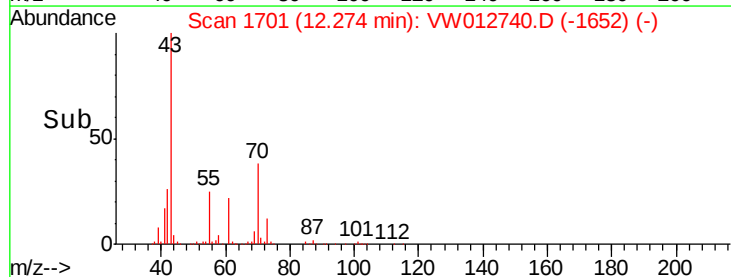
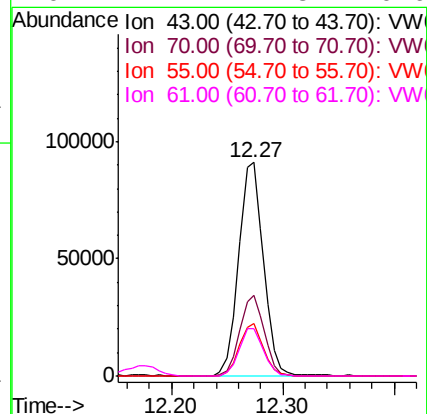
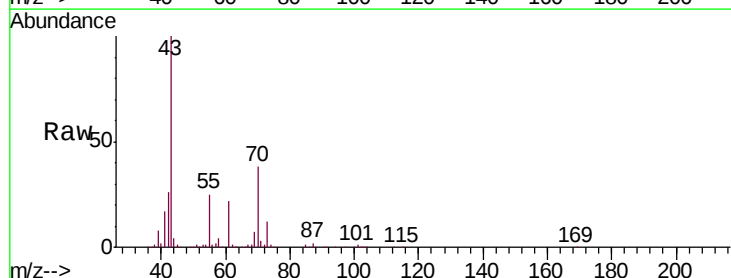
Ion Ratio Lower Upper

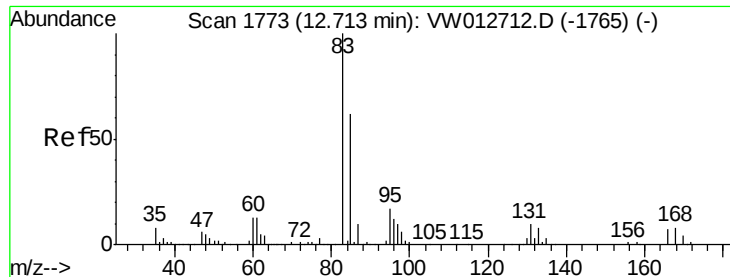
43 100

70 36.9 29.4 44.0

55 24.0 18.6 27.8

61 22.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.420 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

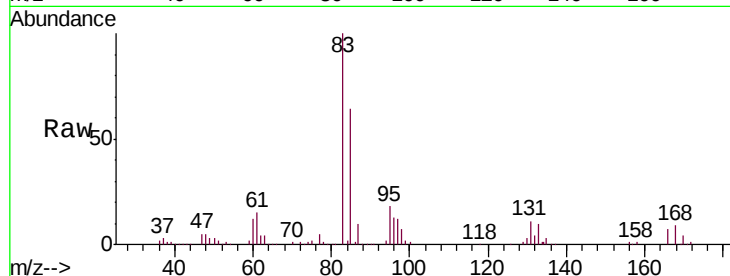
Tgt Ion: 83 Resp: 91198

Ion Ratio Lower Upper

83 100

131 11.1 5.1 15.4

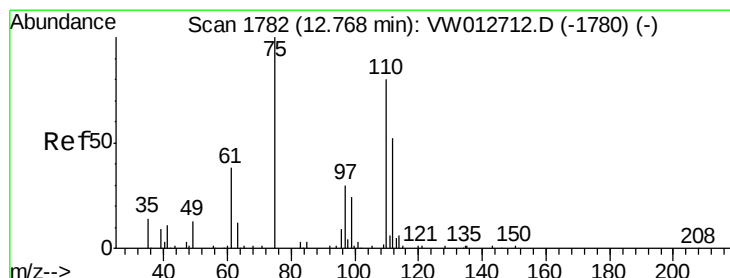
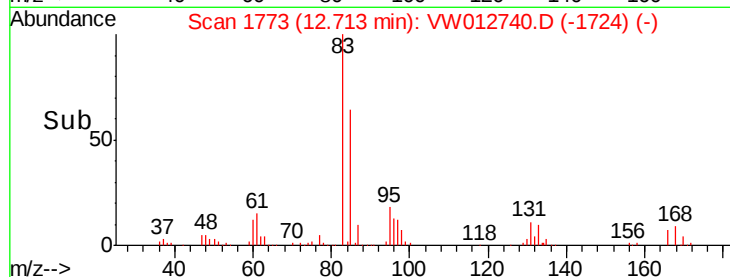
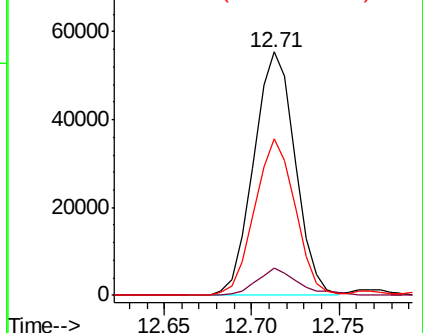
85 62.8 31.4 94.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 81.432 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012740.D

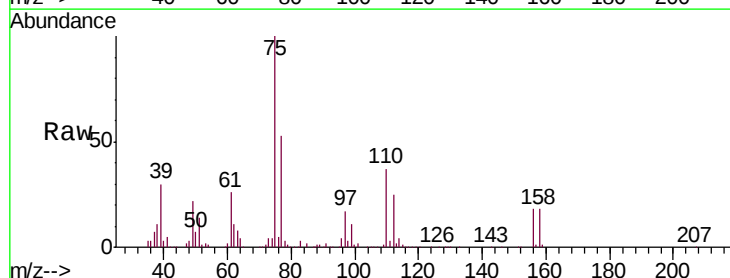
Acq: 08 Sep 2019 00:11

Tgt Ion: 75 Resp: 121420

Ion Ratio Lower Upper

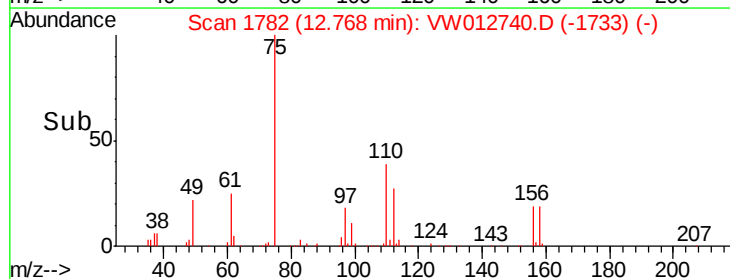
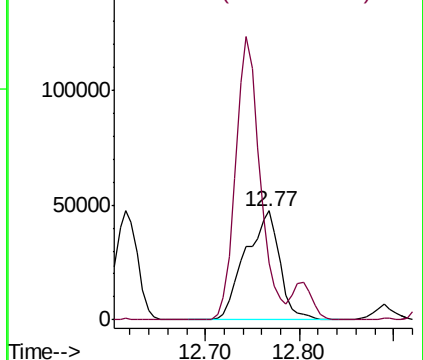
75 100

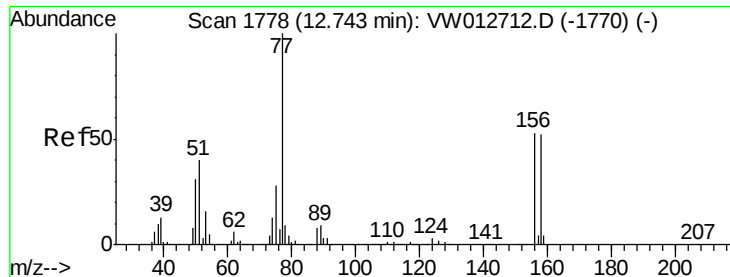
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

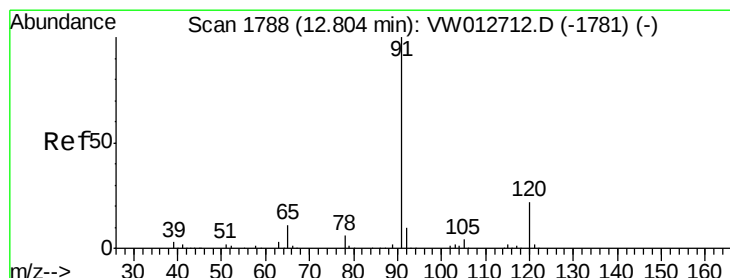
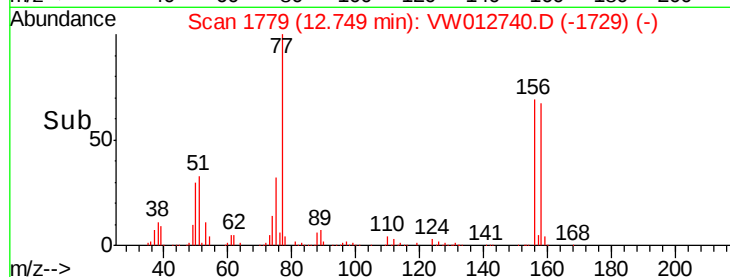
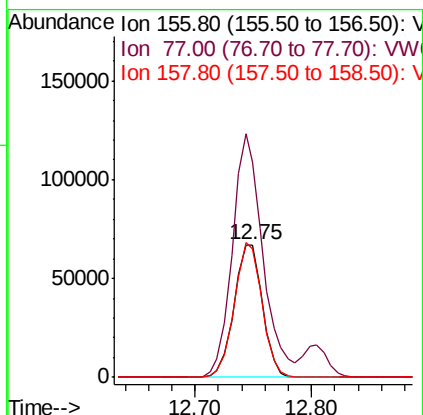
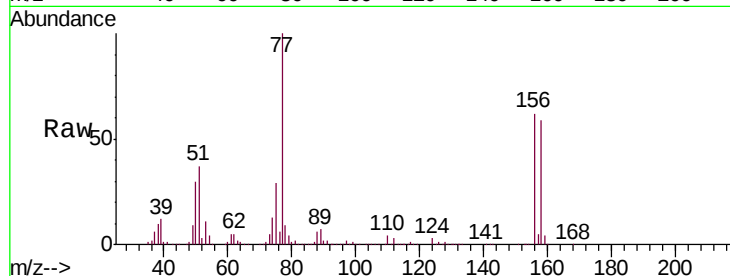




#77  
Bromobenzene  
Concen: 48.027 ug/l  
RT: 12.75 min Scan# 1779  
Delta R.T. 0.01 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

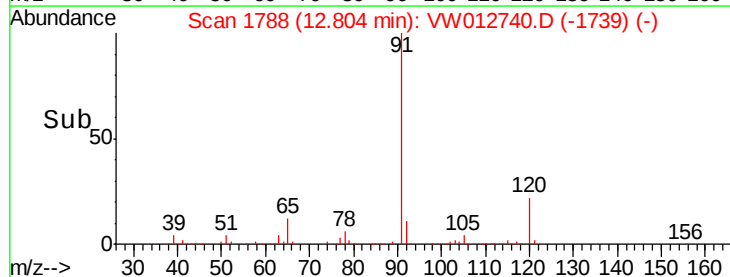
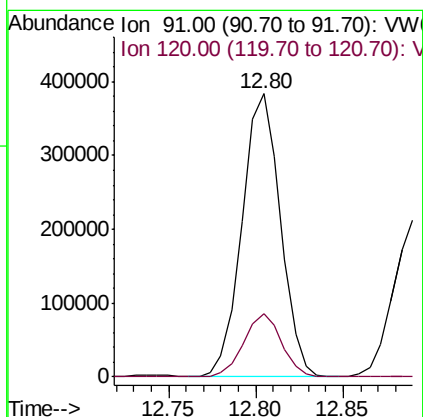
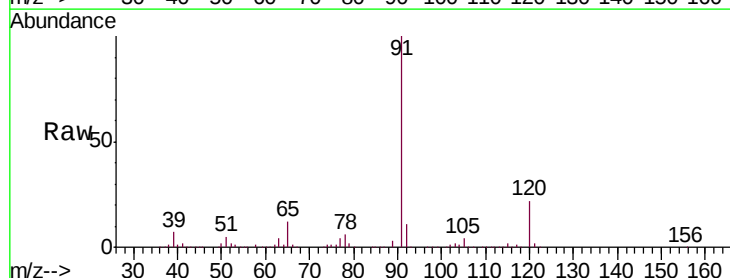
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

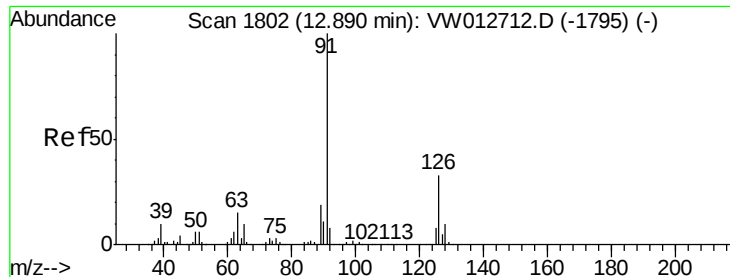
Tgt Ion:156 Resp: 113800  
Ion Ratio Lower Upper  
156 100  
77 196.9 102.3 306.9  
158 98.7 48.9 146.8



#78  
n-propylbenzene  
Concen: 46.820 ug/l  
RT: 12.80 min Scan# 1788  
Delta R.T. -0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion: 91 Resp: 585642  
Ion Ratio Lower Upper  
91 100  
120 21.9 11.0 33.0

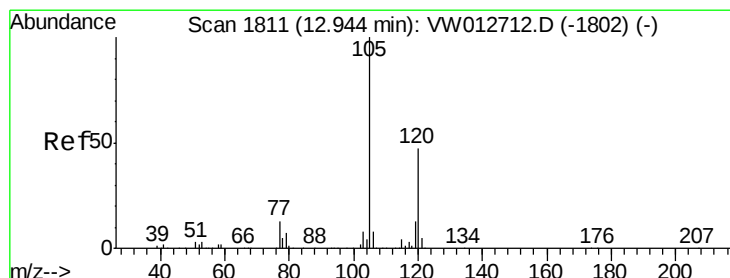
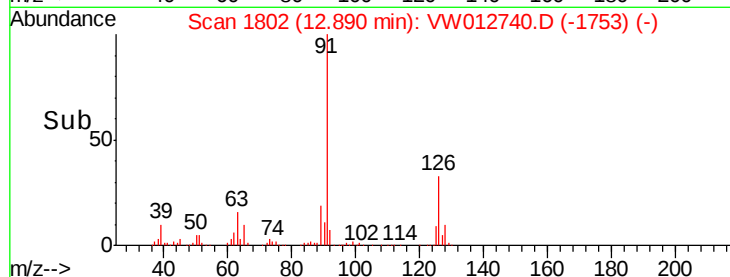
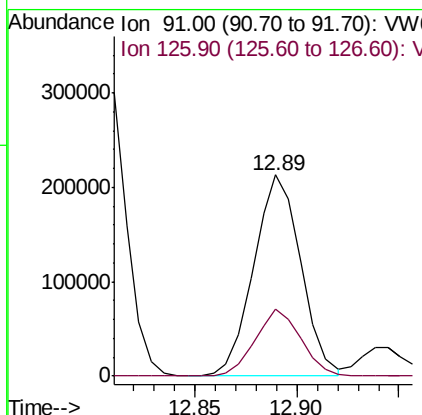
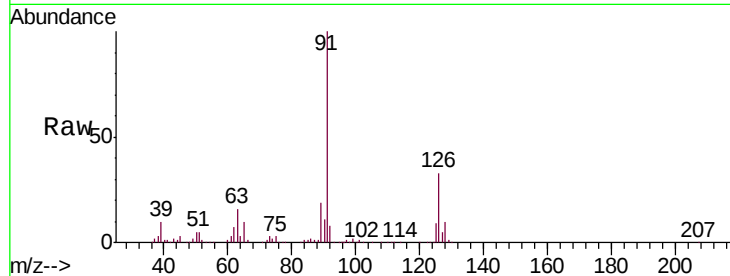




#79  
 2-Chlorotoluene  
 Concen: 47.623 ug/l  
 RT: 12.89 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

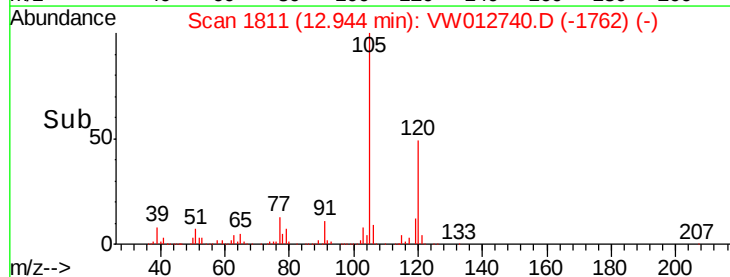
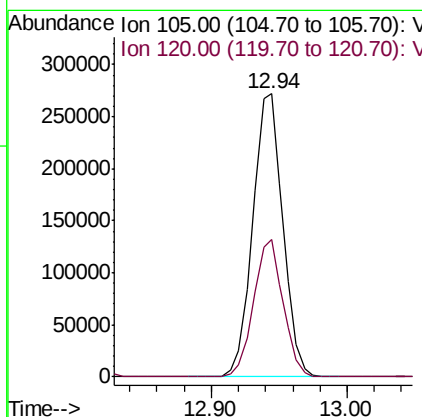
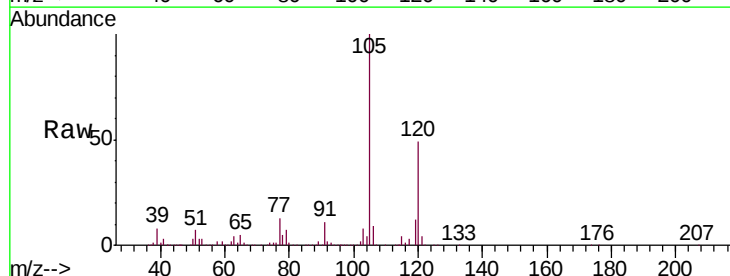
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

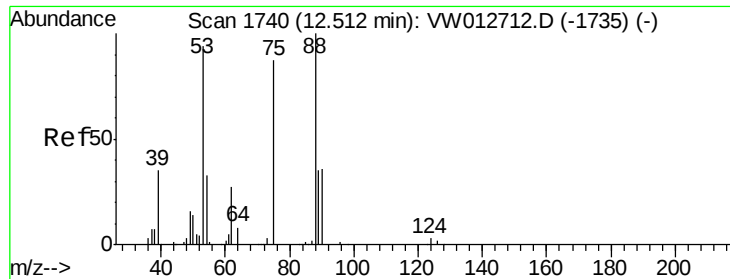
Tgt Ion: 91 Resp: 341967  
 Ion Ratio Lower Upper  
 91 100  
 126 32.2 16.1 48.3



#80  
 1,3,5-Trimethylbenzene  
 Concen: 47.791 ug/l  
 RT: 12.94 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion: 105 Resp: 421176  
 Ion Ratio Lower Upper  
 105 100  
 120 47.7 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 39.518 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

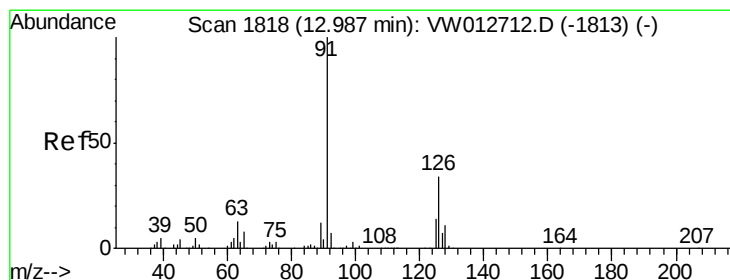
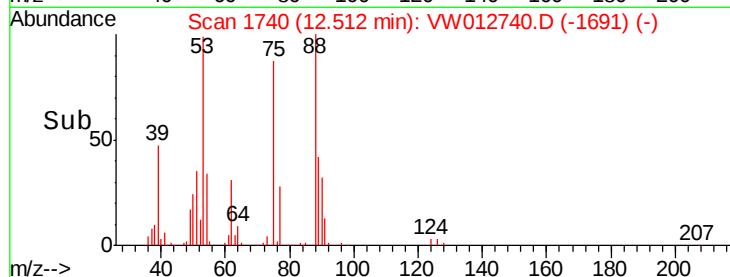
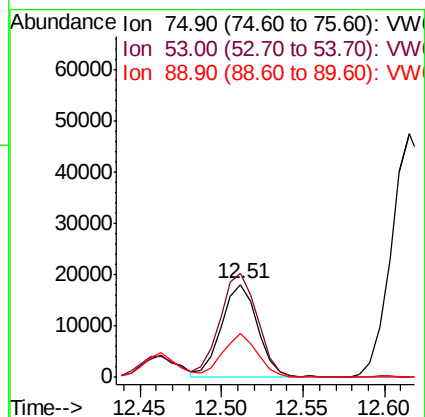
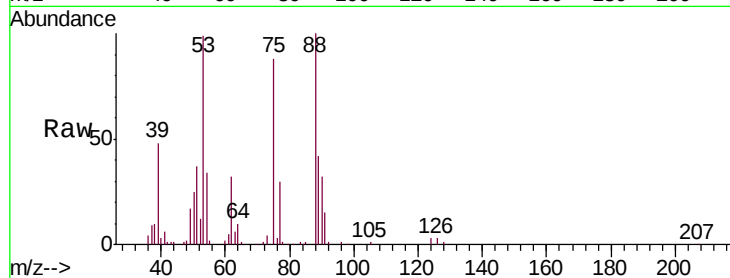
Tgt Ion: 75 Resp: 27859

Ion Ratio Lower Upper

75 100

53 117.9 87.6 131.4

89 45.4 35.5 53.3



#82

4-Chlorotoluene

Concen: 47.016 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012740.D

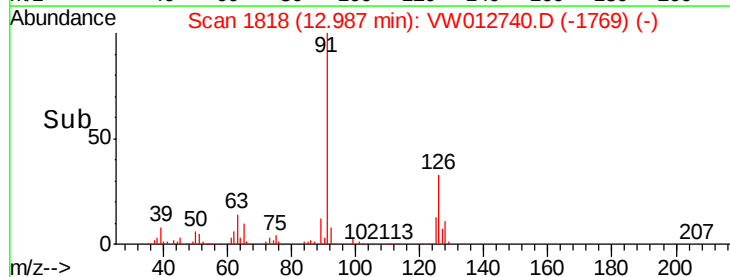
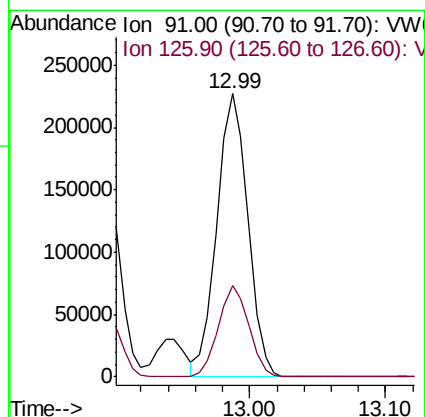
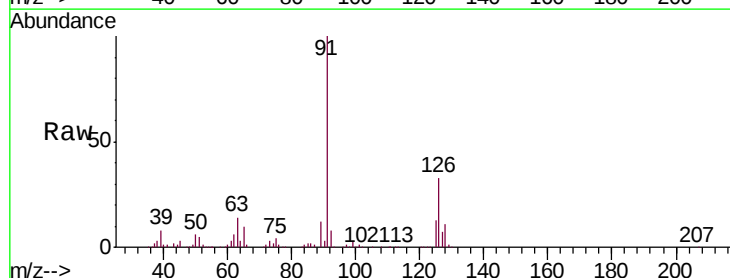
Acq: 08 Sep 2019 00:11

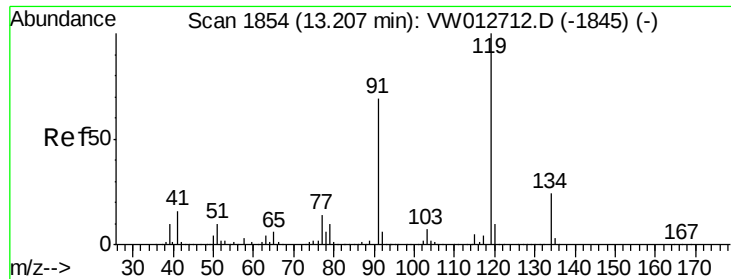
Tgt Ion: 91 Resp: 357115

Ion Ratio Lower Upper

91 100

126 31.8 15.9 47.6

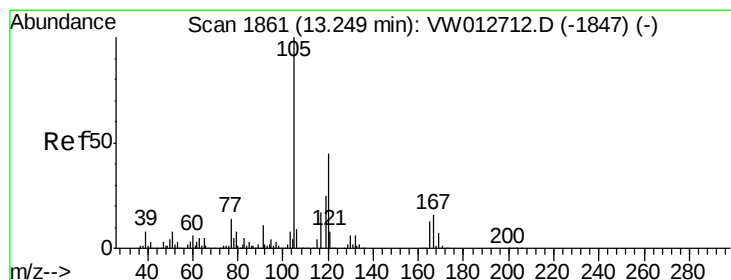
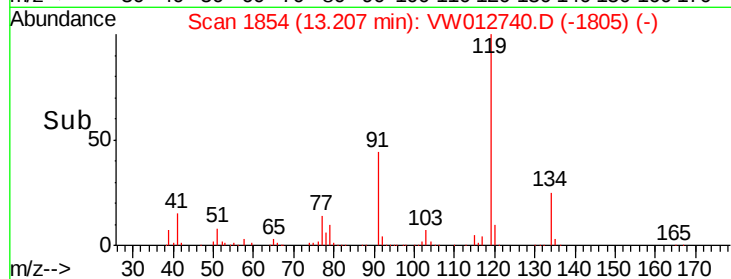
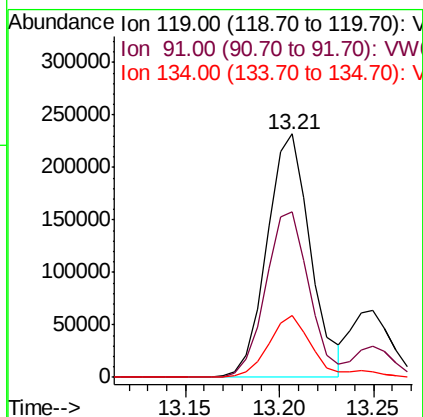
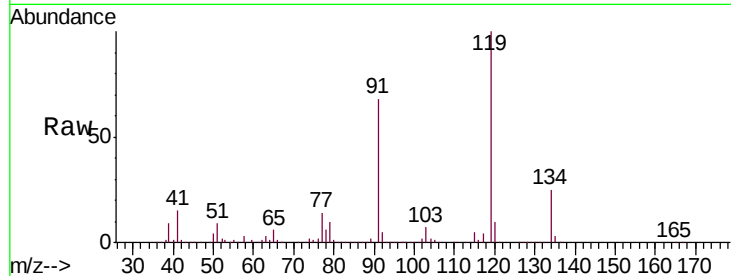




#83  
 tert-Butylbenzene  
 Concen: 47.499 ug/l  
 RT: 13.21 min Scan# 1854  
 Delta R.T. -0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

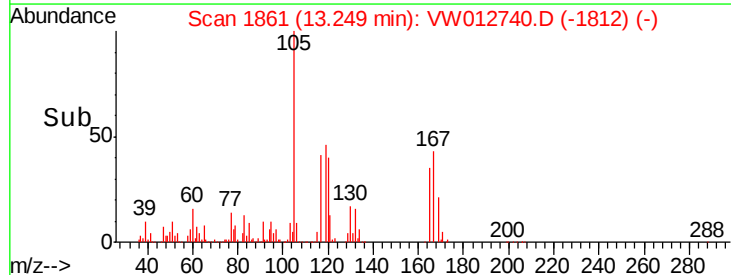
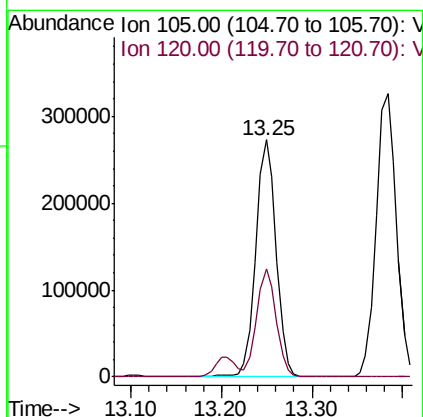
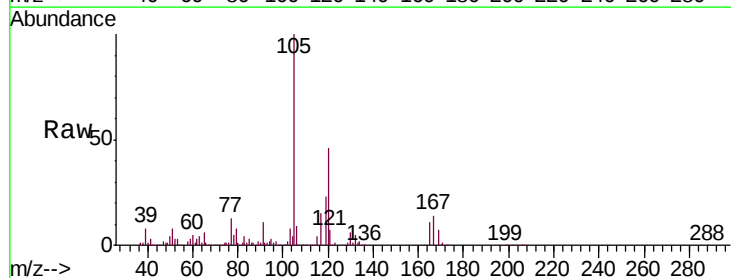
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

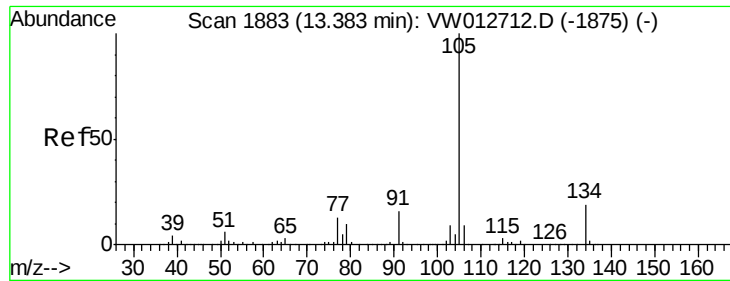
Tgt Ion:119 Resp: 370124  
 Ion Ratio Lower Upper  
 119 100  
 91 68.1 34.2 102.5  
 134 24.7 12.3 36.9



#84  
 1,2,4-Trimethylbenzene  
 Concen: 47.632 ug/l  
 RT: 13.25 min Scan# 1861  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion:105 Resp: 422974  
 Ion Ratio Lower Upper  
 105 100  
 120 43.6 22.1 66.3

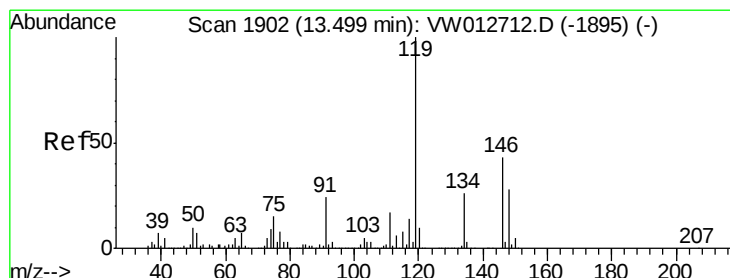
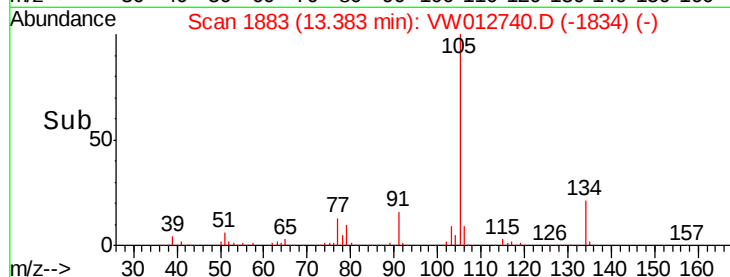
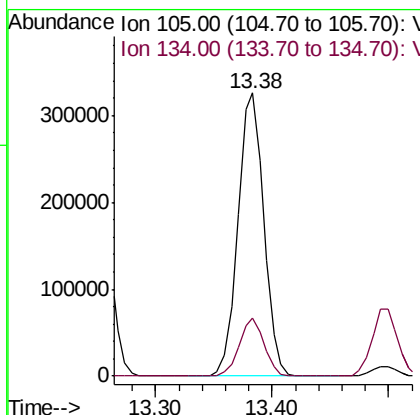
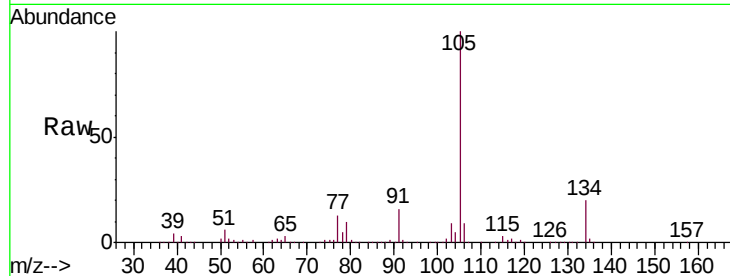




#85  
 sec-Butylbenzene  
 Concen: 46.531 ug/l  
 RT: 13.38 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

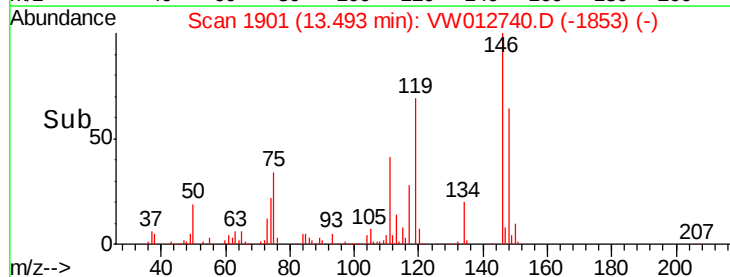
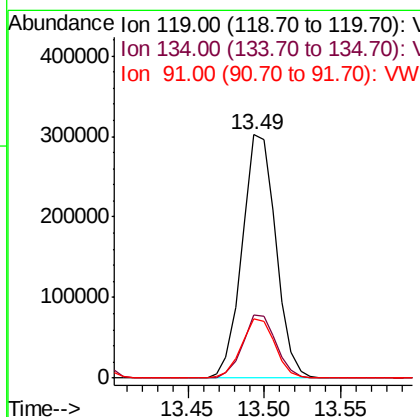
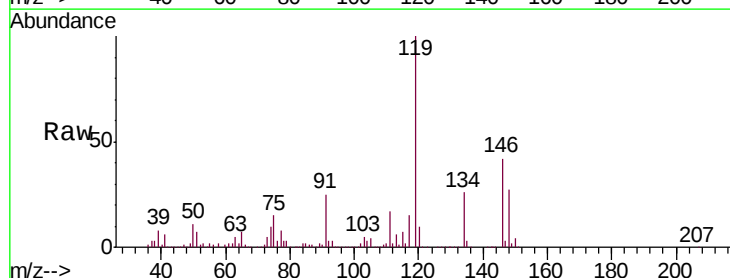
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

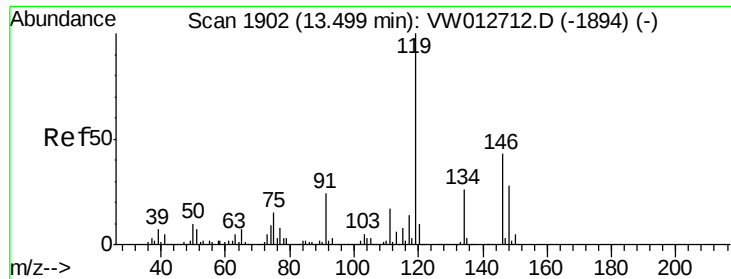
Tgt Ion:105 Resp: 503134  
 Ion Ratio Lower Upper  
 105 100  
 134 19.6 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 46.590 ug/l  
 RT: 13.49 min Scan# 1901  
 Delta R.T. -0.01 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion:119 Resp: 460154  
 Ion Ratio Lower Upper  
 119 100  
 134 25.8 12.7 38.1  
 91 24.3 12.2 36.6

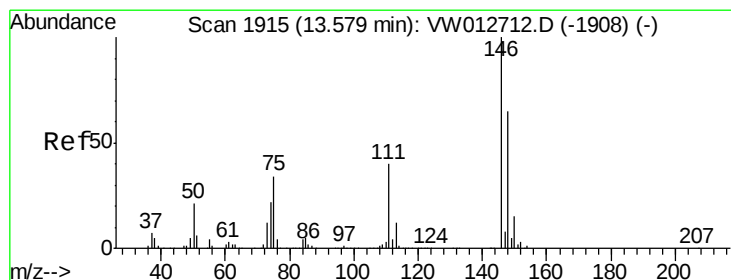
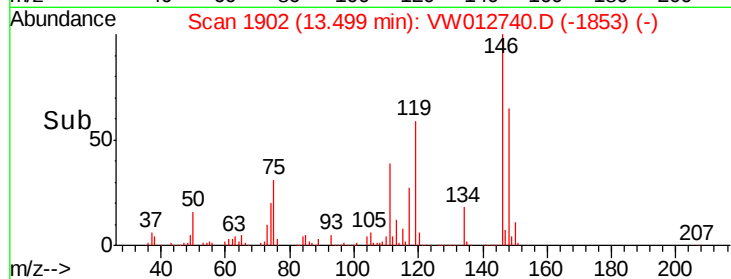
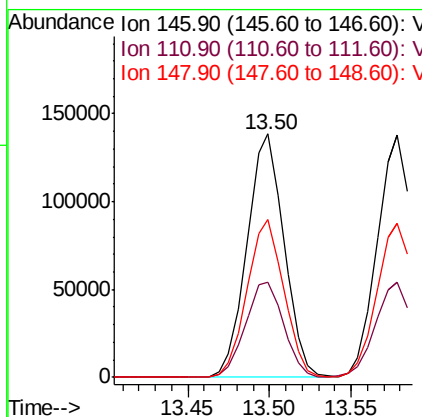
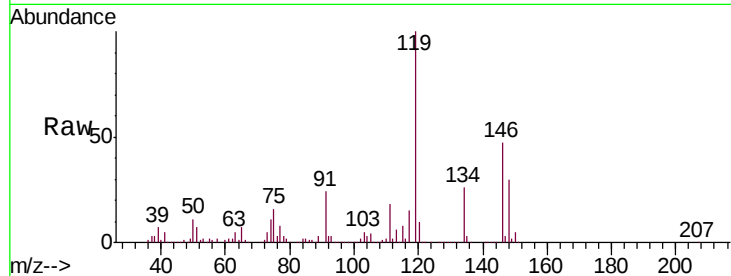




#87  
 1,3-Dichlorobenzene  
 Concen: 47.184 ug/l  
 RT: 13.50 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

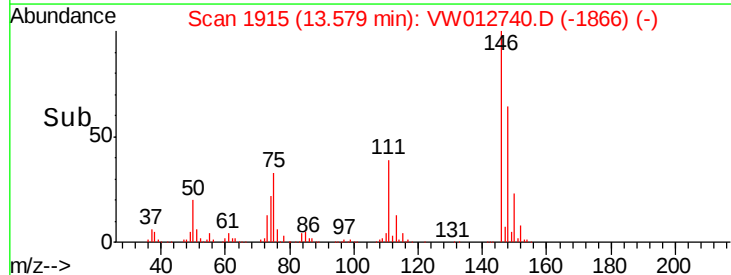
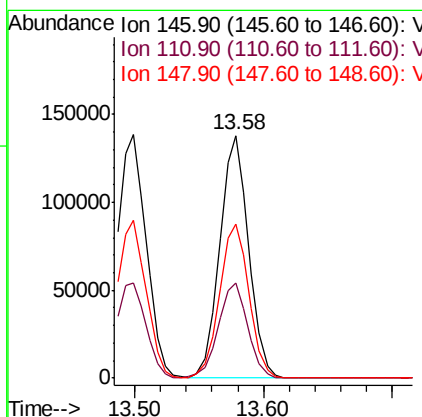
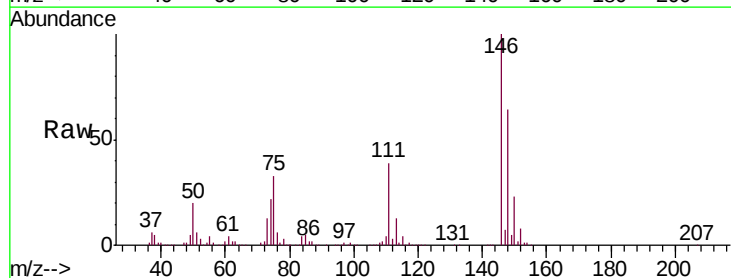
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 ClientSampleId :  
 VSTDCCC050EC

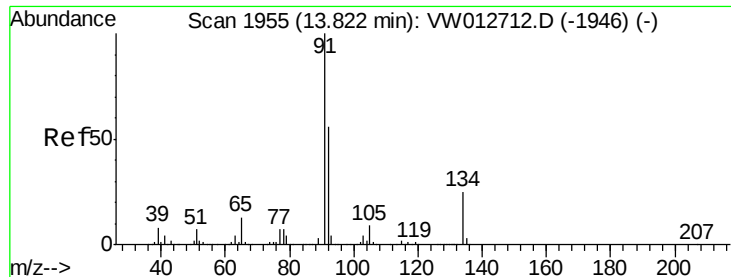
Tgt Ion:146 Resp: 219750  
 Ion Ratio Lower Upper  
 146 100  
 111 40.3 20.4 61.2  
 148 64.5 31.8 95.4



#88  
 1,4-Dichlorobenzene  
 Concen: 46.734 ug/l  
 RT: 13.58 min Scan# 1915  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion:146 Resp: 216580  
 Ion Ratio Lower Upper  
 146 100  
 111 40.0 20.0 60.0  
 148 64.8 32.2 96.6





#89

n-Butylbenzene

Concen: 44.972 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012740.D

Acq: 08 Sep 2019 00:11

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

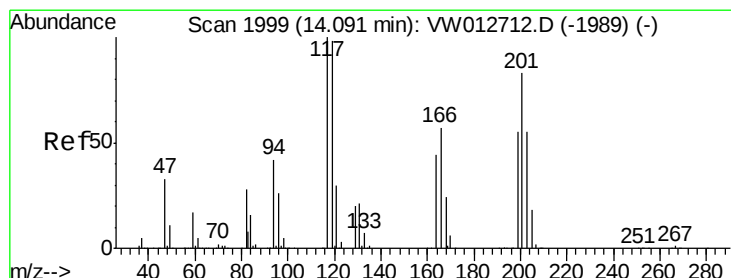
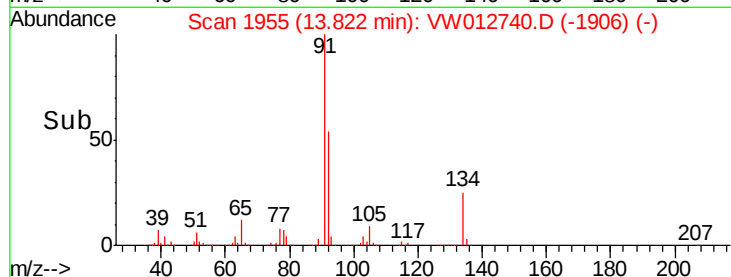
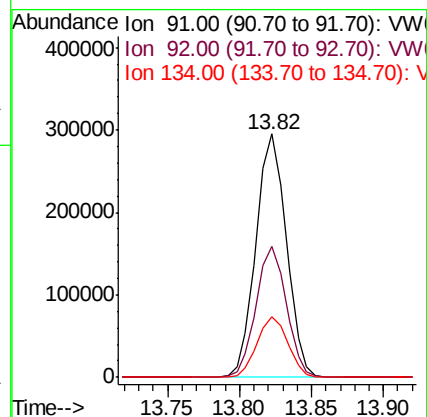
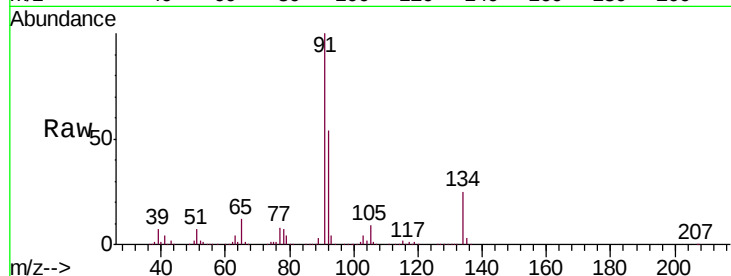
Tgt Ion: 91 Resp: 431220

Ion Ratio Lower Upper

91 100

92 53.7 27.2 81.5

134 25.3 12.7 38.1



#90

Hexachloroethane

Concen: 48.007 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012740.D

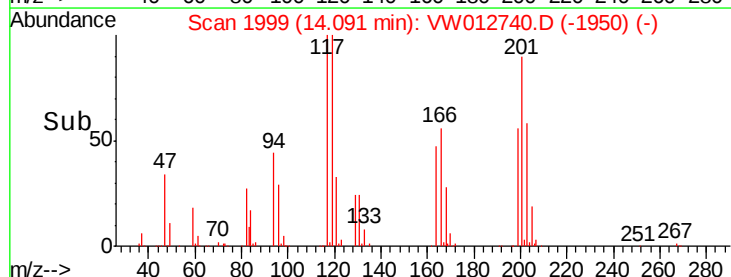
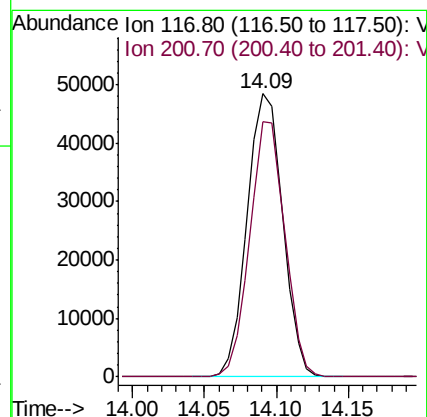
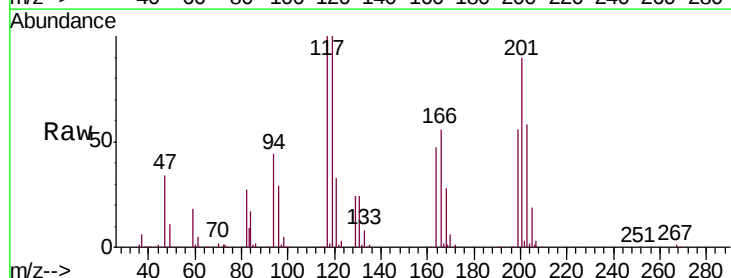
Acq: 08 Sep 2019 00:11

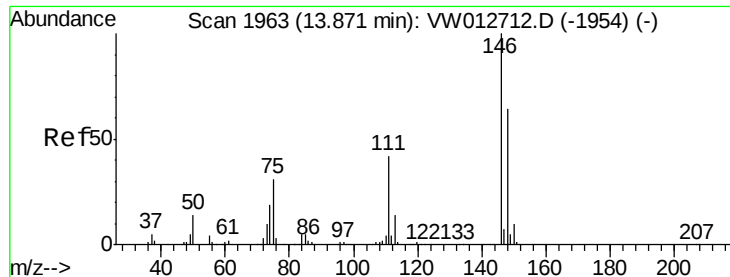
Tgt Ion: 117 Resp: 82775

Ion Ratio Lower Upper

117 100

201 88.9 42.8 128.4

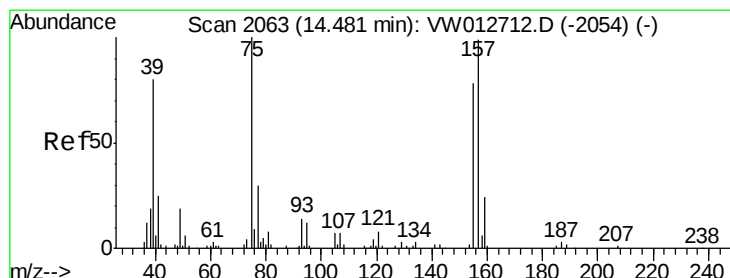
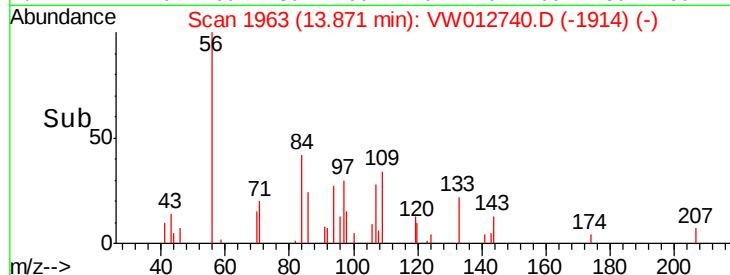
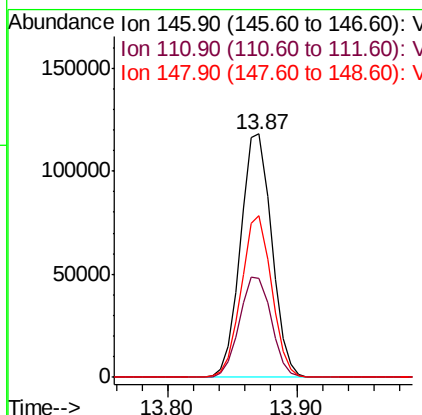
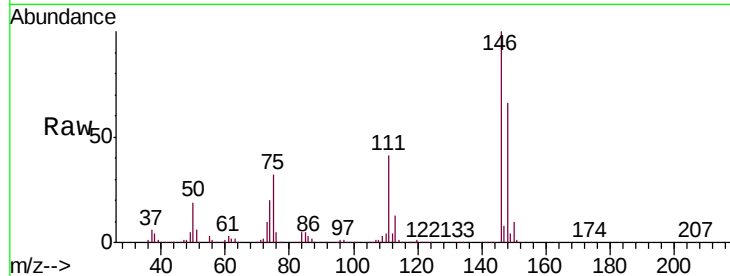




#91  
 1,2-Dichlorobenzene  
 Concen: 47.109 ug/l  
 RT: 13.87 min Scan# 1963  
 Delta R.T. -0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

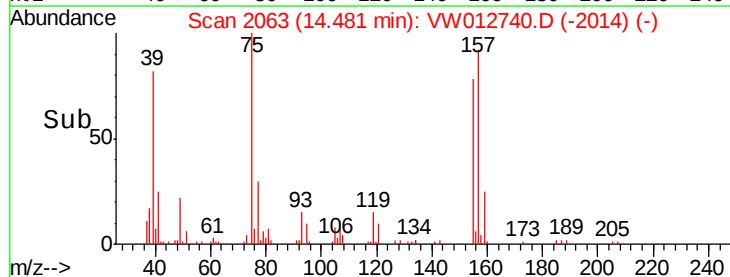
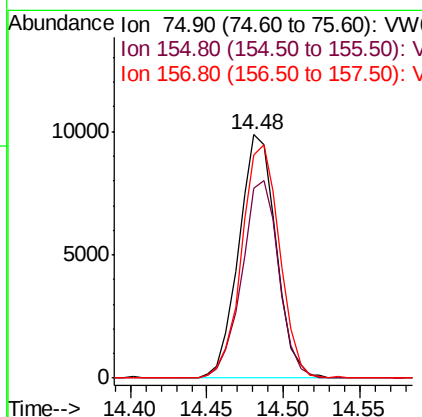
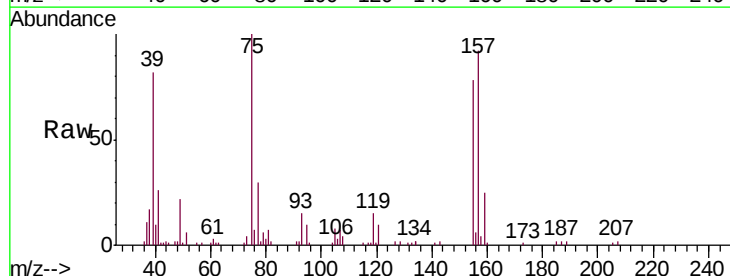
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

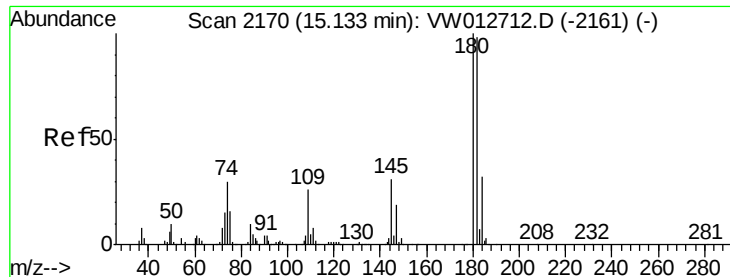
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.2  | 21.3  | 63.9  |
| 148     | 64.5  | 32.1  | 96.5  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 43.319 ug/l  
 RT: 14.48 min Scan# 2063  
 Delta R.T. 0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 80.4  | 40.6  | 122.0 |
| 157     | 97.7  | 52.5  | 157.5 |

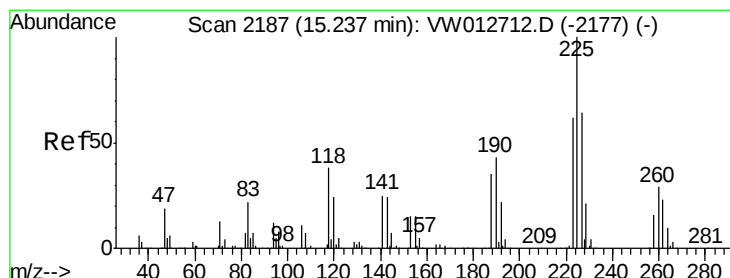
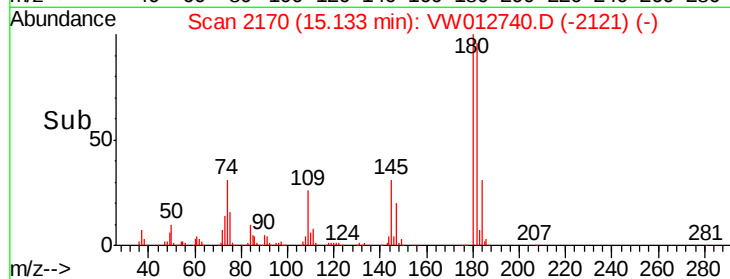
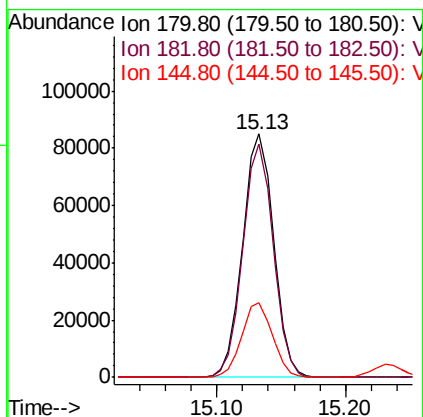
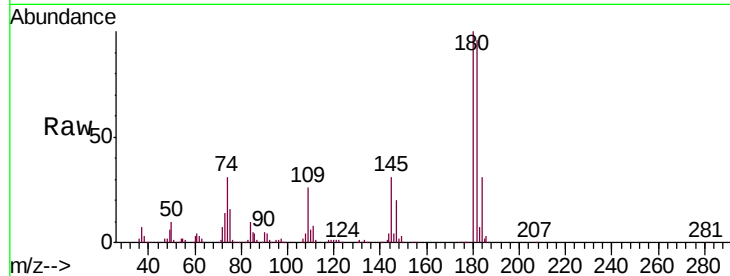




#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.305 ug/l  
 RT: 15.13 min Scan# 2170  
 Delta R.T. -0.00 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

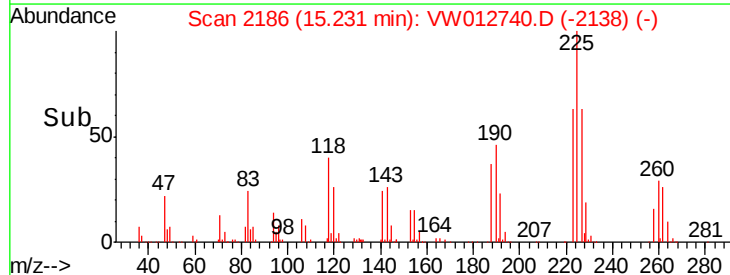
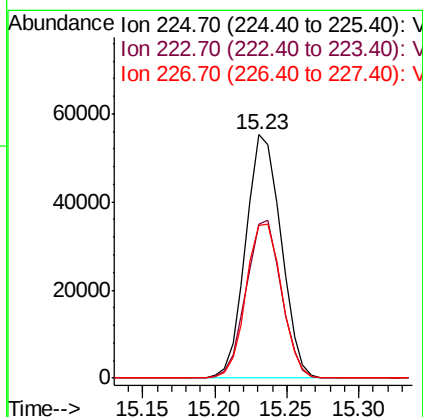
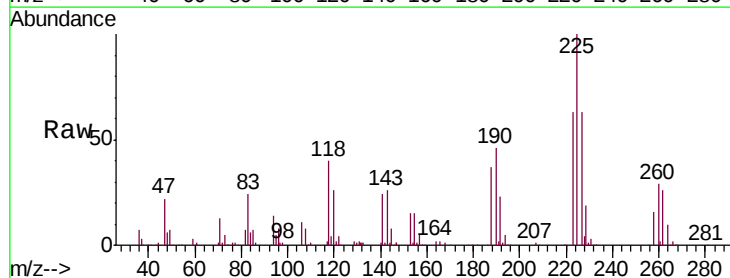
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

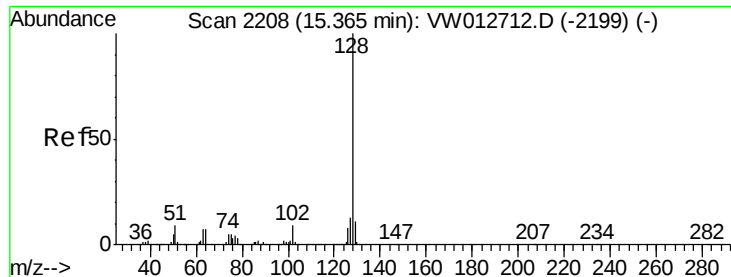
Tgt Ion:180 Resp: 140979  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 48.7 146.1  
 145 30.5 15.0 45.1



#94  
 Hexachlorobutadiene  
 Concen: 46.473 ug/l  
 RT: 15.23 min Scan# 2186  
 Delta R.T. -0.01 min  
 Lab File: VW012740.D  
 Acq: 08 Sep 2019 00:11

Tgt Ion:225 Resp: 93879  
 Ion Ratio Lower Upper  
 225 100  
 223 64.4 31.1 93.3  
 227 63.8 31.4 94.2

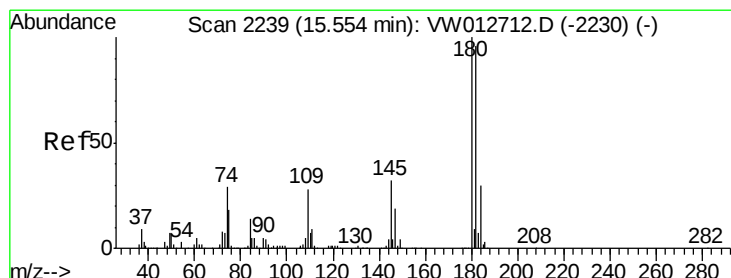
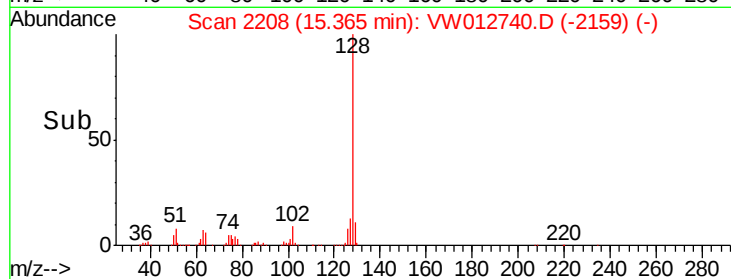
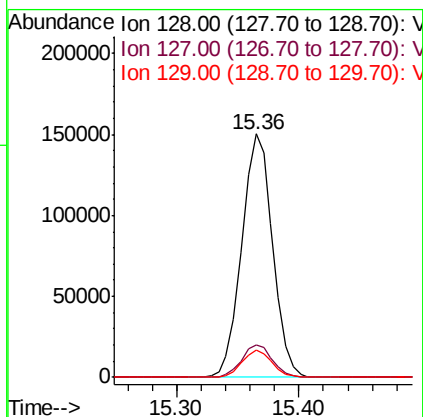
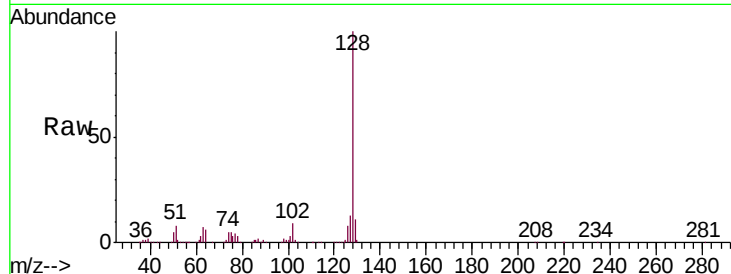




#95  
Naphthalene  
Concen: 43.493 ug/l  
RT: 15.36 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 262202  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.7 16.1  
129 11.0 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 49.045 ug/l  
RT: 15.55 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: VW012740.D  
Acq: 08 Sep 2019 00:11

Tgt Ion:180 Resp: 126347  
Ion Ratio Lower Upper  
180 100  
182 96.8 47.8 143.3  
145 31.1 15.4 46.2

