

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101618\  
 Data File : VW006092.D  
 Acq On : 16 Oct 2018 21:28  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 6.97G/5ML/MSVOA W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

apatel  
 10/17/2018 10:04:53 AM

Quant Time: Oct 17 01:45:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 16 05:36:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 279782   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 407950   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 379961   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 213992   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 116060   | 50.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.08% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 119961   | 49.76 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.52%  |          |
| 50) Toluene-d8              | 10.33 | 98   | 457156   | 49.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.70%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 173059   | 50.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.48% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85   | 65524    | 47.326  | ug/l  | 100    |
| 3) Chloromethane              | 2.21 | 50   | 85793    | 48.139  | ug/l  | 97     |
| 4) Vinyl Chloride             | 2.37 | 62   | 130038   | 51.093  | ug/l  | 98     |
| 5) Bromomethane               | 2.79 | 94   | 123286   | 53.257  | ug/l  | 100    |
| 6) Chloroethane               | 2.93 | 64   | 90382    | 49.553  | ug/l  | 97     |
| 7) Trichlorofluoromethane     | 3.26 | 101  | 122076   | 51.487  | ug/l  | 98     |
| 8) Diethyl Ether              | 3.68 | 74   | 63808    | 50.638  | ug/l  | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101  | 123024   | 49.512  | ug/l  | 99     |
| 10) Methyl Iodide             | 4.27 | 142  | 217564   | 52.607  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 5.20 | 59   | 38663    | 247.840 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 4.04 | 96   | 117803   | 50.393  | ug/l  | 95     |
| 13) Acrolein                  | 3.90 | 56   | 35027    | 232.043 | ug/l  | 98     |
| 14) Allyl chloride            | 4.67 | 41   | 171108   | 51.192  | ug/l  | 100    |
| 15) Acrylonitrile             | 5.38 | 53   | 116790   | 258.407 | ug/l  | 99     |
| 16) Acetone                   | 4.13 | 43   | 104538   | 239.613 | ug/l  | 96     |
| 17) Carbon Disulfide          | 4.38 | 76   | 359092   | 50.897  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.68 | 43   | 58123    | 49.793  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73   | 185430   | 52.080  | ug/l  | 98     |
| 20) Methylene Chloride        | 4.92 | 84   | 126455   | 51.574  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96   | 135232   | 51.827  | ug/l  | 99     |
| 22) Diisopropyl ether         | 6.32 | 45   | 350345   | 53.040  | ug/l  | 99     |
| 23) Vinyl Acetate             | 6.26 | 43   | 1014069  | 260.143 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 6.22 | 63   | 225412   | 52.887  | ug/l  | 99     |
| 25) 2-Butanone                | 7.18 | 43   | 151566   | 241.878 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 7.17 | 77   | 147555   | 49.086  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96   | 152660   | 53.017  | ug/l  | 99     |
| 28) Bromochloromethane        | 7.52 | 49   | 90052    | 54.728  | ug/l  | 98     |
| 29) Tetrahydrofuran           | 7.54 | 42   | 98153    | 254.830 | ug/l  | 99     |
| 30) Chloroform                | 7.68 | 83   | 244756   | 52.708  | ug/l  | 100    |
| 31) Cyclohexane               | 7.96 | 56   | 200202   | 47.168  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97   | 216473   | 51.679  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75   | 190177   | 50.577  | ug/l  | 100    |
| 37) Ethyl Acetate             | 7.26 | 43   | 69825    | 49.981  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117  | 207092   | 50.240  | ug/l  | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101618\  
 Data File : VW006092.D  
 Acq On : 16 Oct 2018 21:28  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 6.97G/5ML/MSVOA W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

apatel  
 10/17/2018 10:04:53 AM

Quant Time: Oct 17 01:45:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 16 05:36:33 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 248562   | 49.730   | ug/l   | 99       |
| 40) Benzene                    | 8.33  | 78   | 536264   | 51.992   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.49  | 41   | 39799    | 47.256   | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 157787   | 52.069   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 144982   | 50.756   | ug/l   | 99       |
| 44) Trichloroethene            | 9.10  | 130  | 162373   | 51.312   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 125914   | 51.015   | ug/l   | 99       |
| 46) Dibromomethane             | 9.46  | 93   | 73252    | 52.072   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 179189   | 52.539   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.44  | 41   | 69183    | 51.095   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 22878    | 1056.417 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 360632   | 251.980  | ug/l   | 100      |
| 52) Toluene                    | 10.39 | 92   | 358299   | 51.815   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 176792   | 52.028   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 202910   | 52.030   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 102798   | 52.219   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 125477   | 51.993   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 169059   | 51.878   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 221792   | 240.516  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.98 | 43   | 249271   | 243.992  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 129868   | 52.963   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 103403   | 52.570   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.87 | 164  | 149595   | 50.716   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.66 | 112  | 415852   | 51.126   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 150166   | 51.950   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.74 | 91   | 719805   | 51.064   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.85 | 106  | 569639   | 102.240  | ug/l   | 100      |
| 69) o-Xylene                   | 12.17 | 106  | 274444   | 51.686   | ug/l   | 99       |
| 70) Styrene                    | 12.19 | 104  | 448650   | 51.960   | ug/l   | 100      |
| 71) Bromoform                  | 12.35 | 173  | 83652    | 51.884   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.47 | 105  | 763059   | 50.474   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.28 | 43   | 146251   | 49.808   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 117732   | 51.202   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 80057m   | 48.980   | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 190280   | 51.387   | ug/l   | 100      |
| 78) n-propylbenzene            | 12.81 | 91   | 889168   | 50.554   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 507970   | 51.402   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 650894   | 51.072   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 33148    | 48.478   | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 529197   | 51.121   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 580204   | 50.883   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 663892   | 51.479   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.39 | 105  | 817882   | 50.772   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 738128   | 50.659   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 376604   | 51.104   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 373538   | 50.909   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.83 | 91   | 667045   | 50.058   | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 127277   | 51.570   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 336162   | 51.140   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 19815    | 48.132   | ug/l   | 96       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW101618\  
Data File : VW006092.D  
Acq On : 16 Oct 2018 21:28  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 6.97G/5ML/MSVOA W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

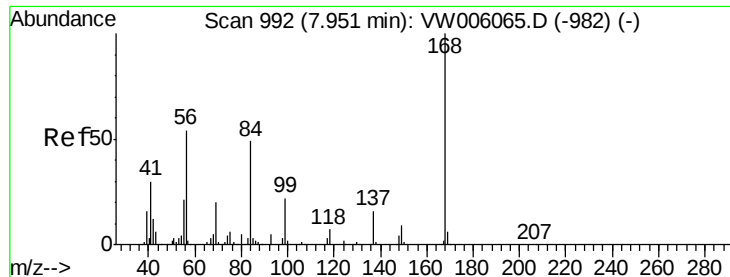
apatel  
10/17/2018 10:04:53 AM

Quant Time: Oct 17 01:45:50 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W101518S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 16 05:36:33 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180  | 245473   | 48.533 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 155999   | 49.098 | ug/l  | 99       |
| 95) Naphthalene            | 15.38 | 128  | 416796   | 49.537 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 217067   | 49.618 | ug/l  | 99       |

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





#1

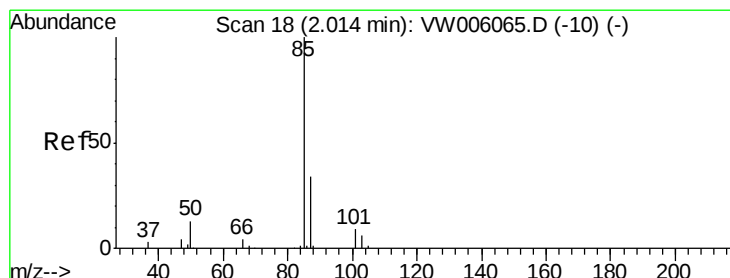
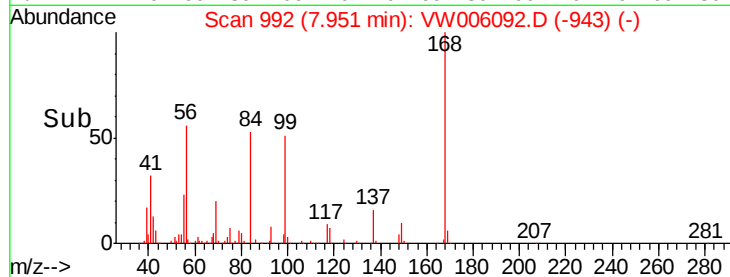
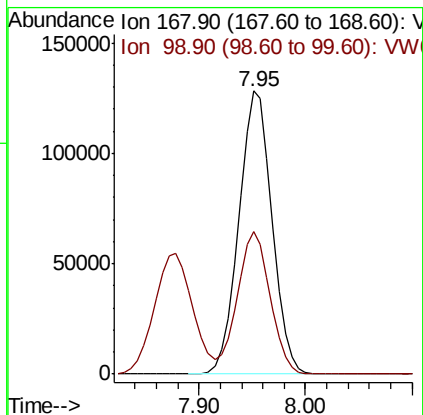
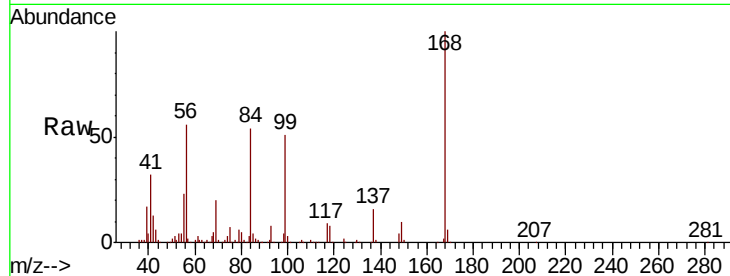
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 50.5  | 39.9  | 59.9  |

Manual Integrations  
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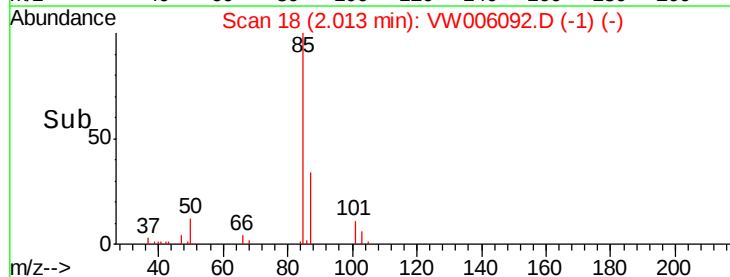
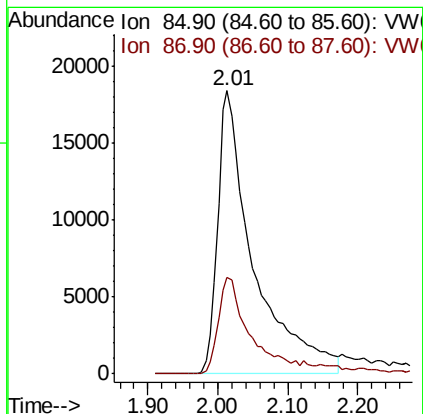
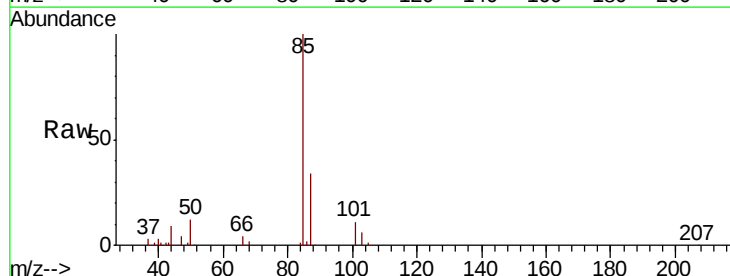
apatel  
 10/17/2018 10:04:53 AM



#2

Dichlorodifluoromethane  
 Concen: 47.326 ug/l  
 RT: 2.01 min Scan# 18  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 34.0  | 16.9  | 50.6  |





#3

Chloromethane

Concen: 48.139 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 85793

Ion Ratio Lower Upper

50 100

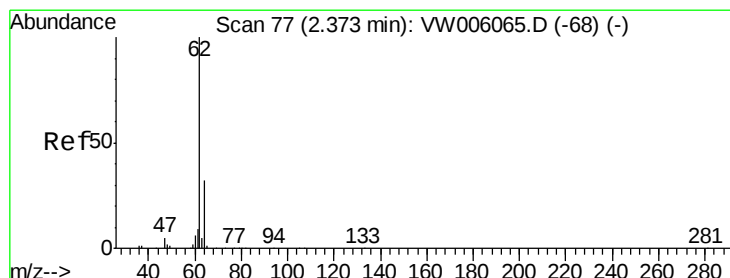
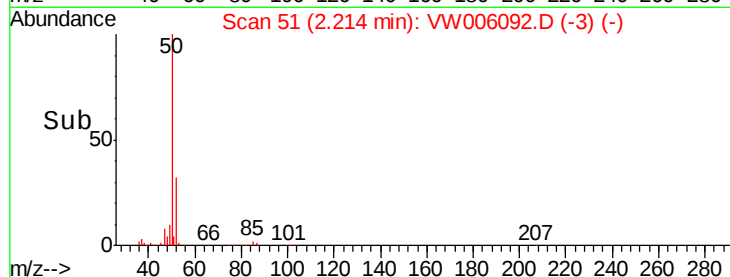
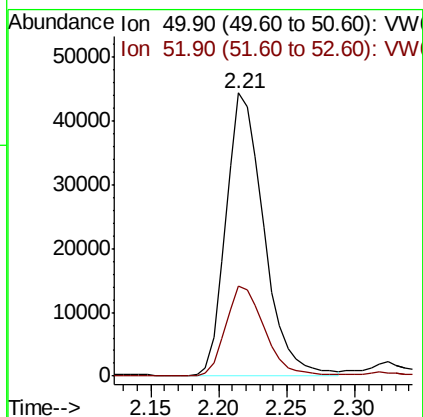
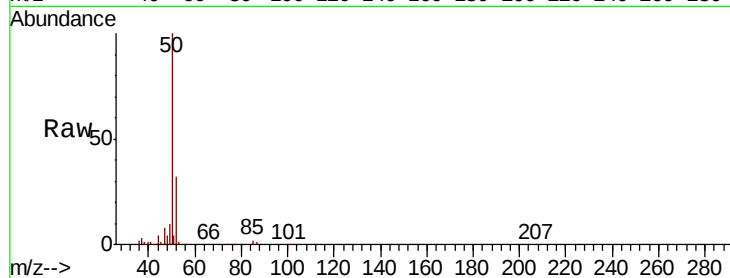
52 31.9 26.8 40.2

Manual Integrations

APPROVED

apatel

10/17/2018 10:04:53 AM



#4

Vinyl Chloride

Concen: 51.093 ug/l

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW006092.D

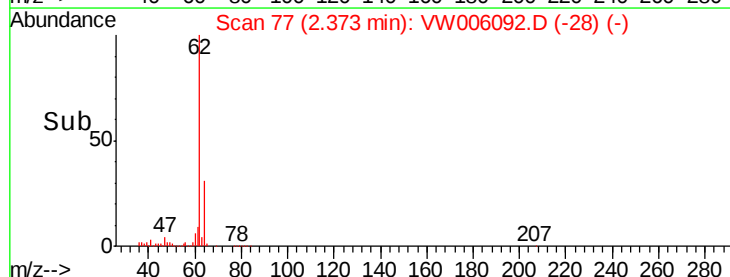
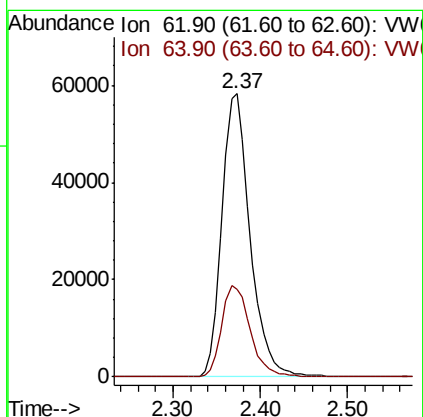
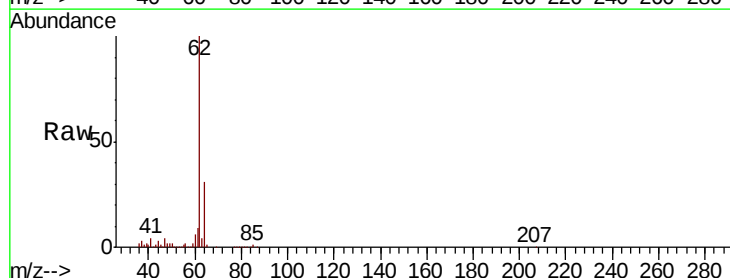
Acq: 16 Oct 2018 21:28

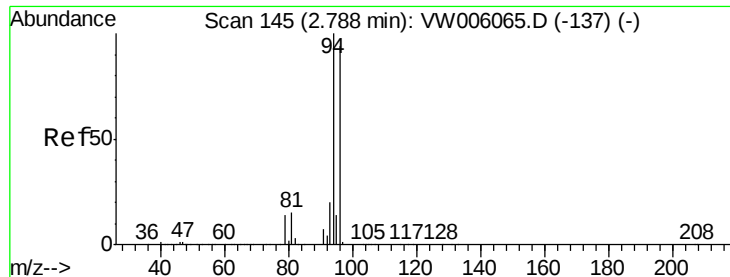
Tgt Ion: 62 Resp: 130038

Ion Ratio Lower Upper

62 100

64 31.2 25.9 38.9





#5

Bromomethane

Concen: 53.257 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 123286

Ion Ratio Lower Upper

94 100

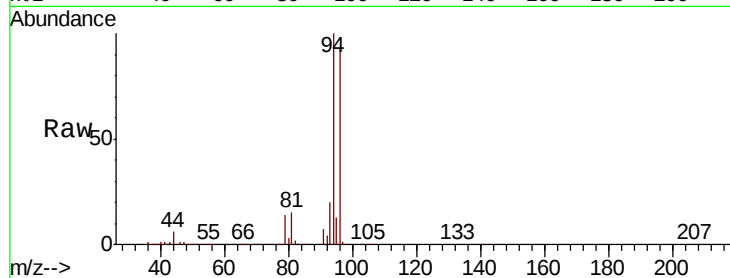
96 93.4 74.9 112.3

Manual Integrations

APPROVED

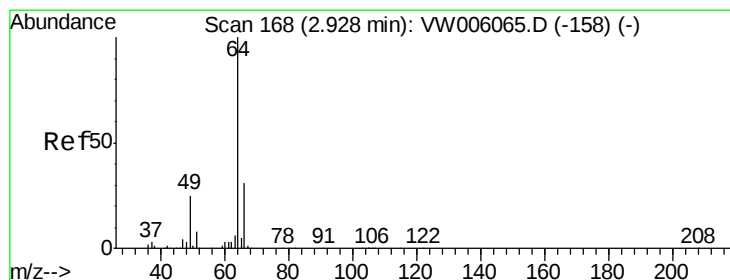
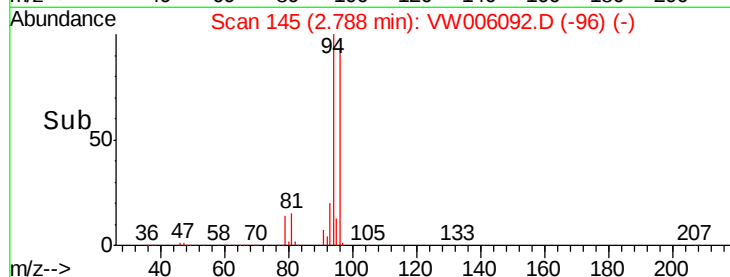
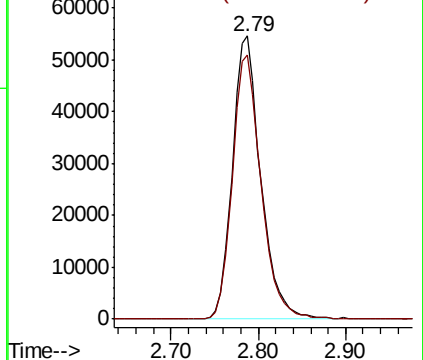
apatel

10/17/2018 10:04:53 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 49.553 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006092.D

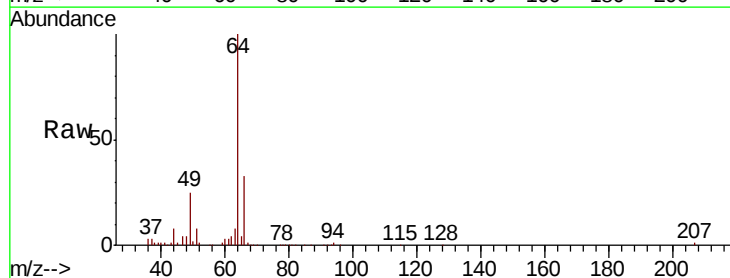
Acq: 16 Oct 2018 21:28

Tgt Ion: 64 Resp: 90382

Ion Ratio Lower Upper

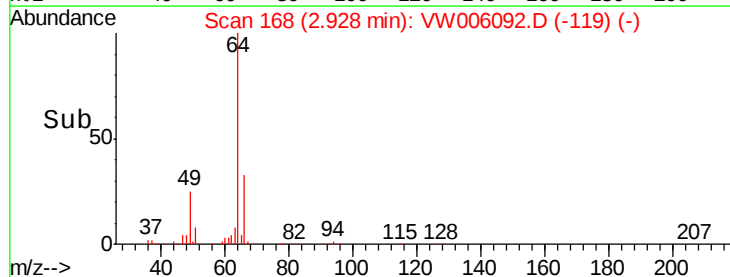
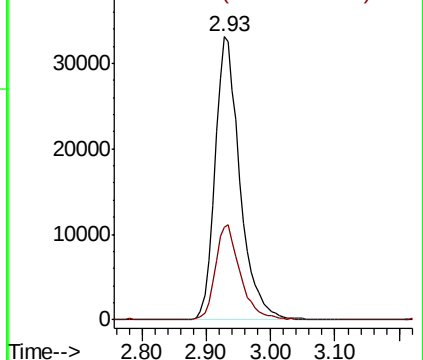
64 100

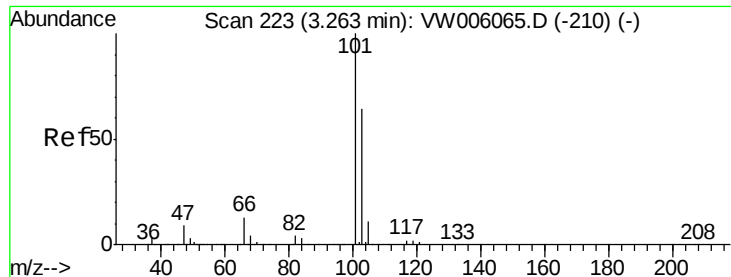
66 32.9 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

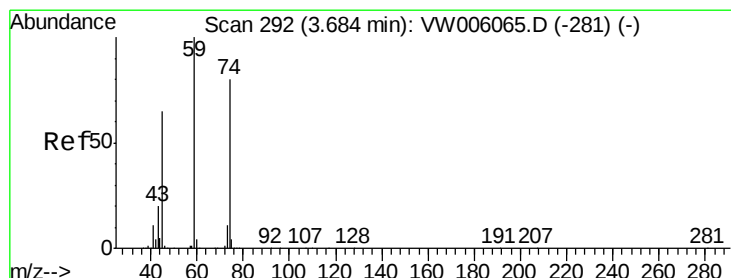
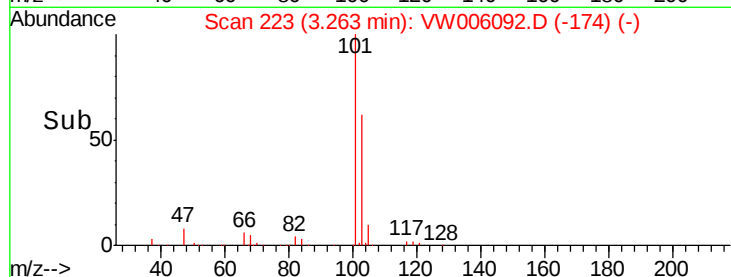
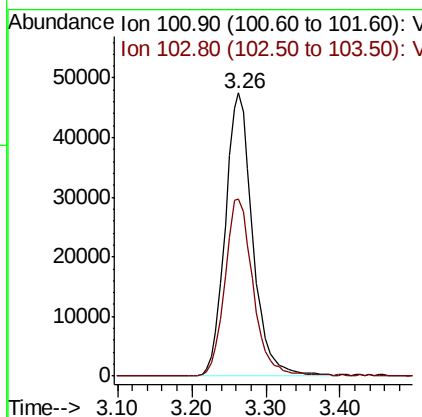
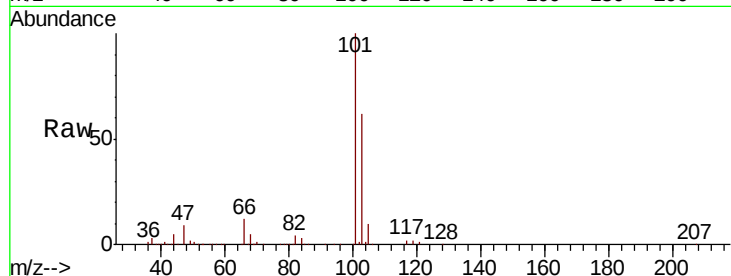
Trichlorofluoromethane  
Concen: 51.487 ug/l  
RT: 3.26 min Scan# 223  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 62.5  | 51.2  | 76.8  |

Manual Integrations  
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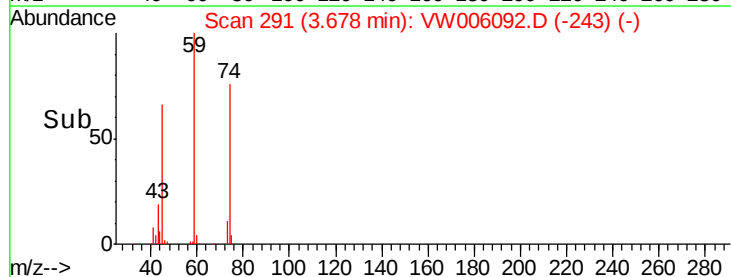
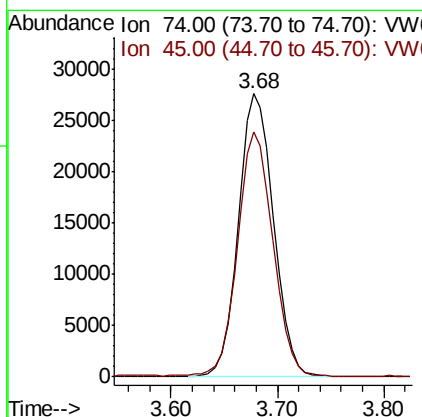
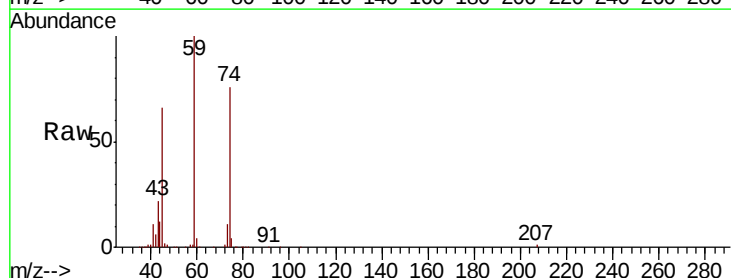
apatel  
10/17/2018 10:04:53 AM



#8

Diethyl Ether  
Concen: 50.638 ug/l  
RT: 3.68 min Scan# 291  
Delta R.T. -0.01 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 87.4  | 42.8  | 128.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.512 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

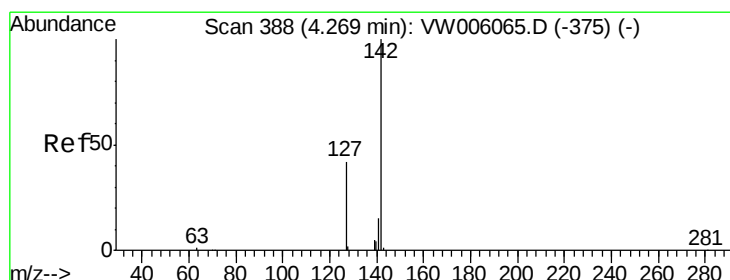
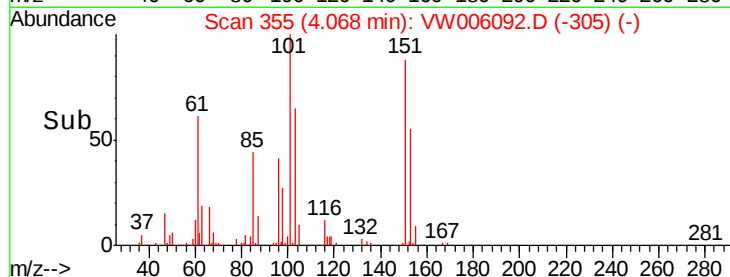
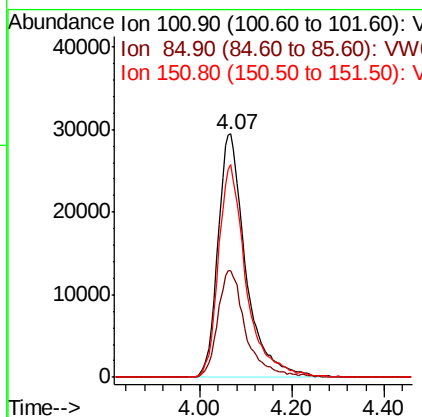
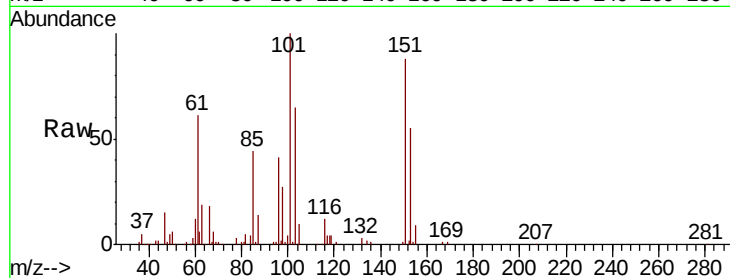
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 123024 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.7  | 34.9  | 52.3   |
| 151       | 87.1  | 70.4  | 105.6  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 52.607 ug/l

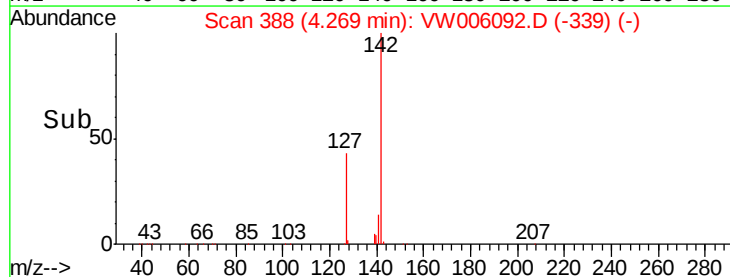
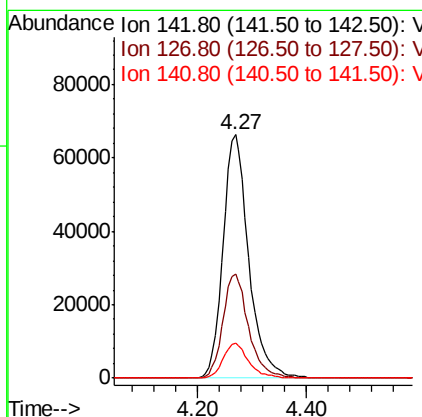
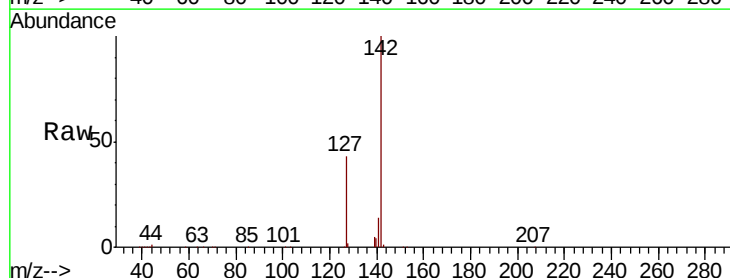
RT: 4.27 min Scan# 388

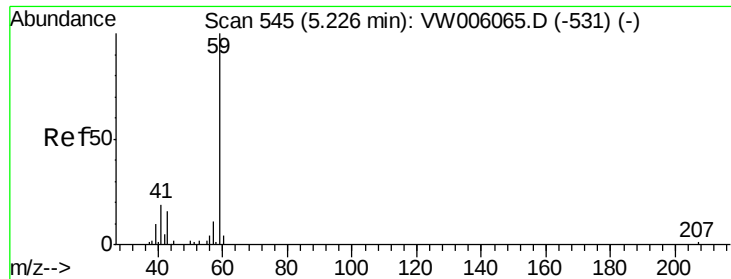
Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 217564 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.7  | 33.6  | 50.4   |
| 141       | 14.2  | 11.6  | 17.4   |





#11

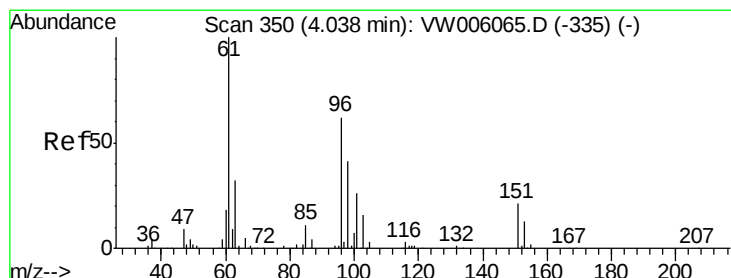
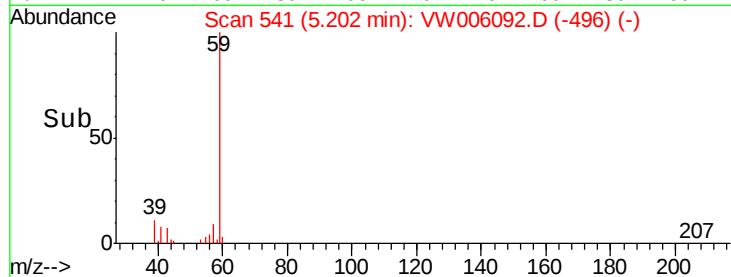
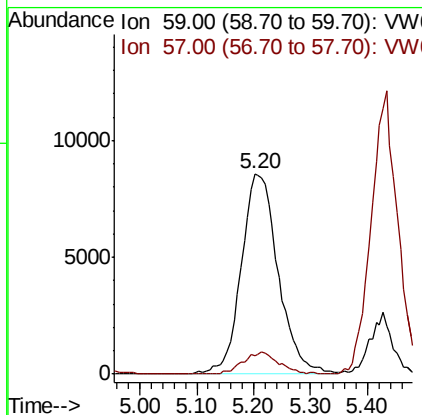
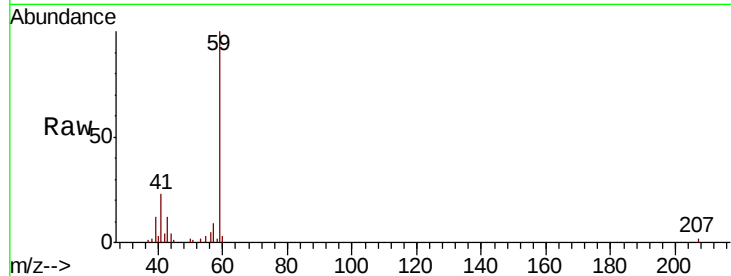
Tert butyl alcohol  
Concen: 247.840 ug/l  
RT: 5.20 min Scan# 541  
Delta R.T. -0.02 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 38663 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.5 | 8.7   | 13.1  |

Manual Integrations  
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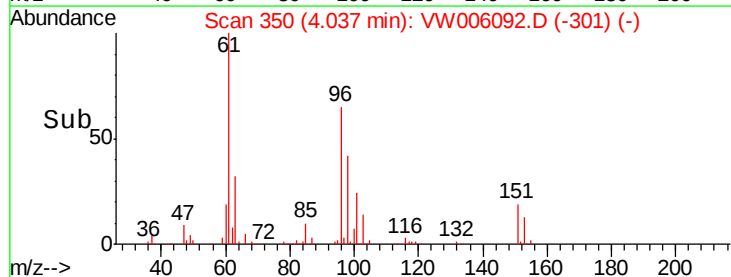
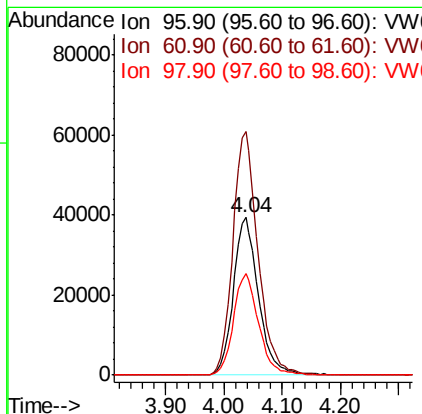
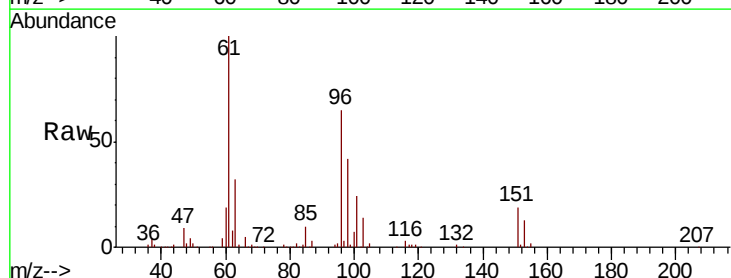
apatel  
10/17/2018 10:04:53 AM

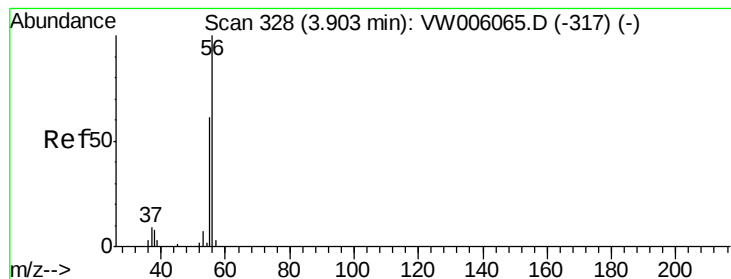


#12

1,1-Dichloroethene  
Concen: 50.393 ug/l  
RT: 4.04 min Scan# 350  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion   | 96    | Resp  | 117803 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 154.3 | 129.3 | 193.9  |
| 98        | 64.2  | 53.1  | 79.7   |





#13

Acrolein

Concen: 232.043 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 35027

Ion Ratio Lower Upper

56 100

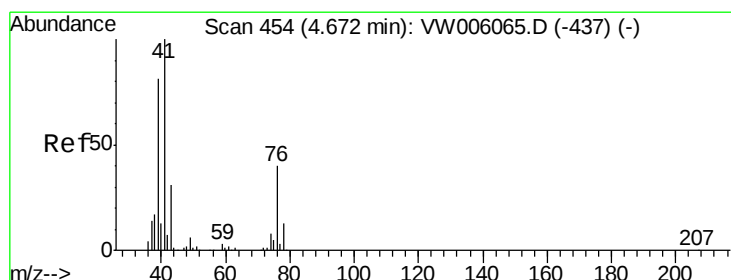
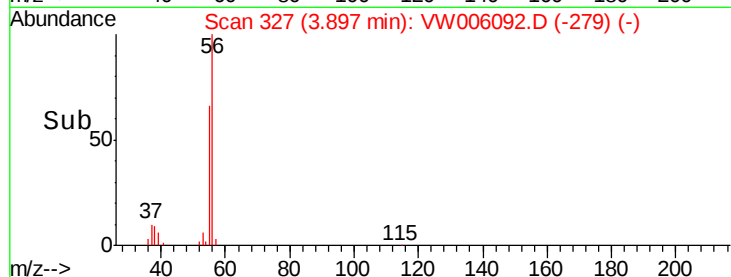
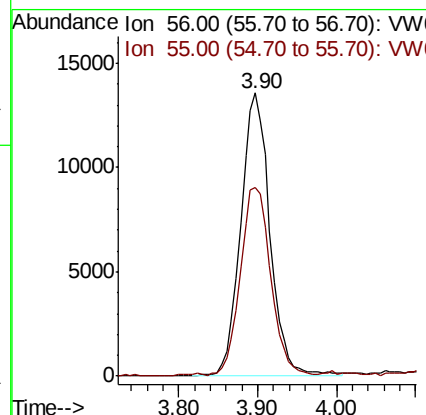
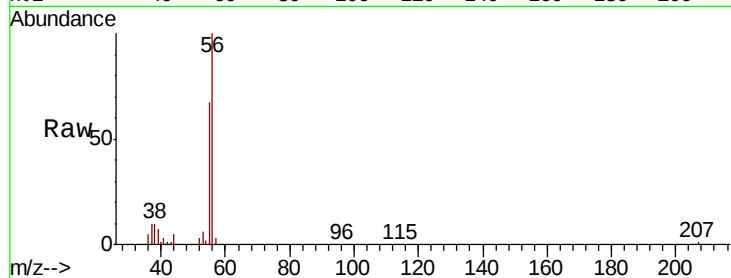
55 69.8 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 51.192 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

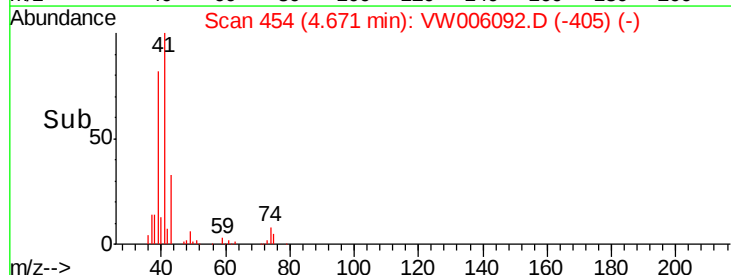
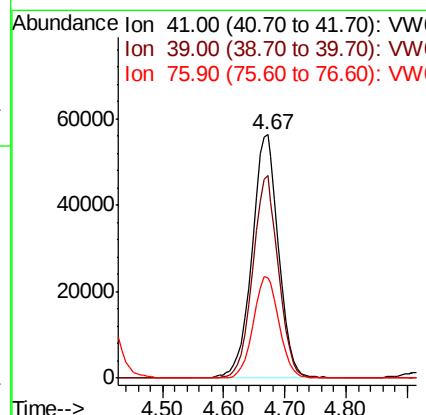
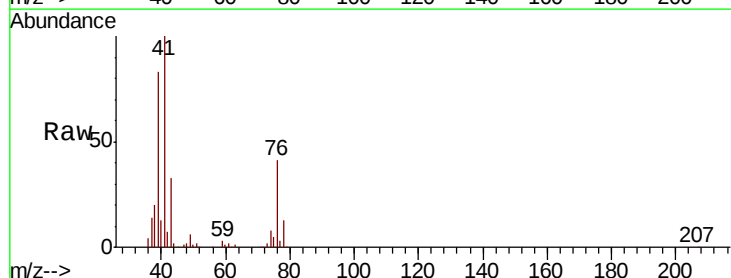
Tgt Ion: 41 Resp: 171108

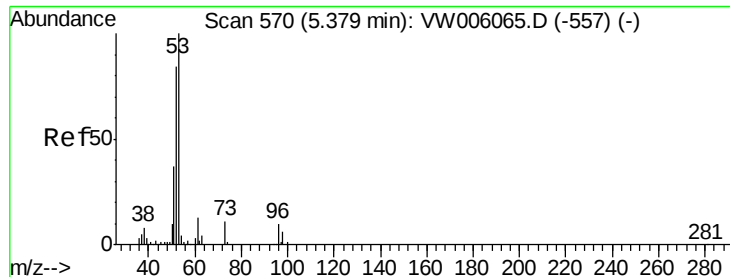
Ion Ratio Lower Upper

41 100

39 80.0 64.1 96.1

76 40.5 32.2 48.4





#15

Acrylonitrile

Concen: 258.407 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

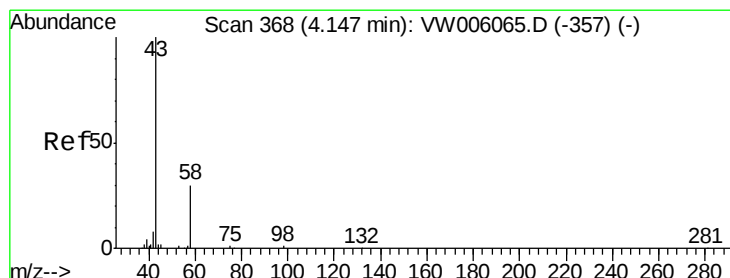
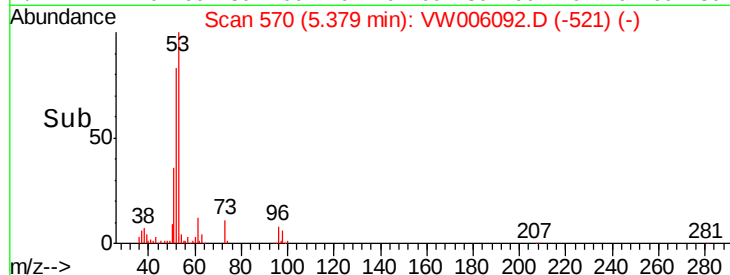
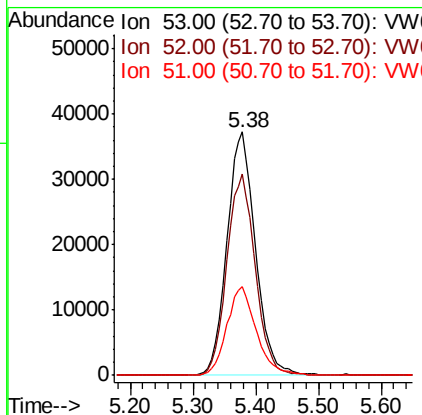
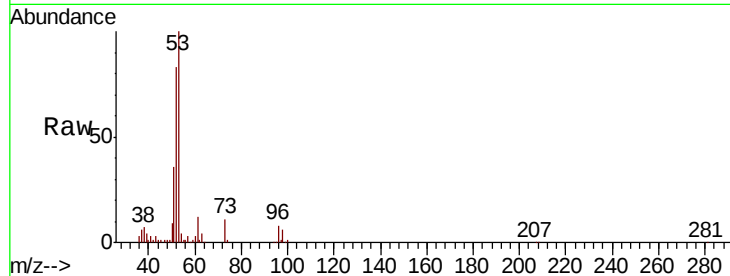
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 116790 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.0  | 66.9  | 100.3  |
| 51        | 37.6  | 30.1  | 45.1   |

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#16

Acetone

Concen: 239.613 ug/l

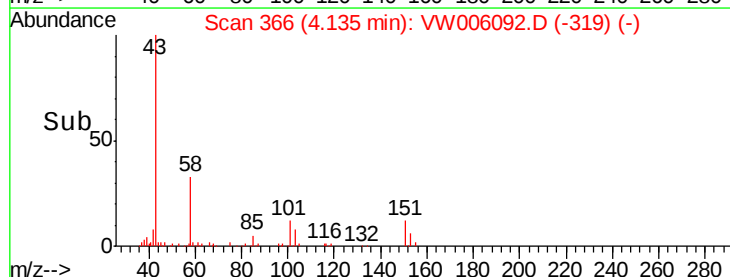
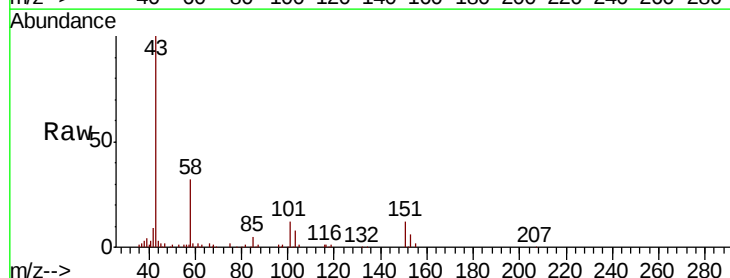
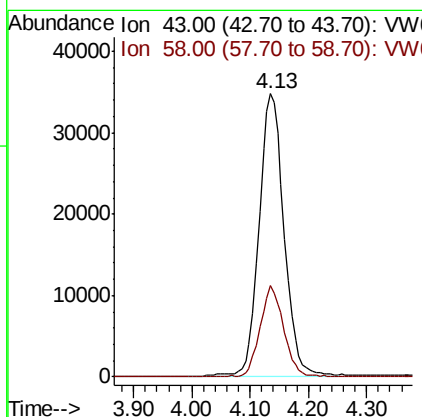
RT: 4.13 min Scan# 366

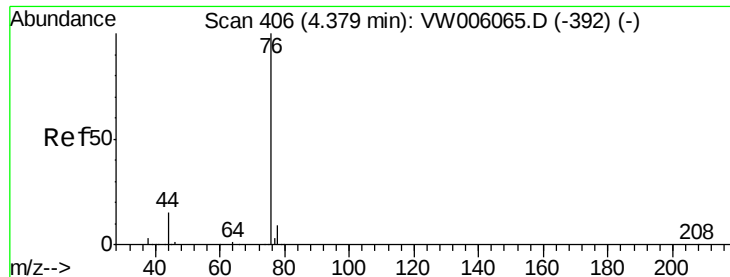
Delta R.T. -0.01 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 104538 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.4  | 24.0  | 36.0   |





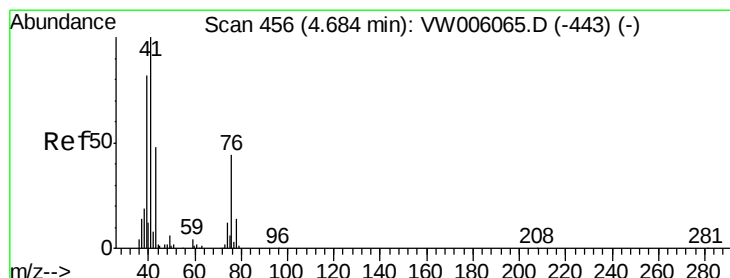
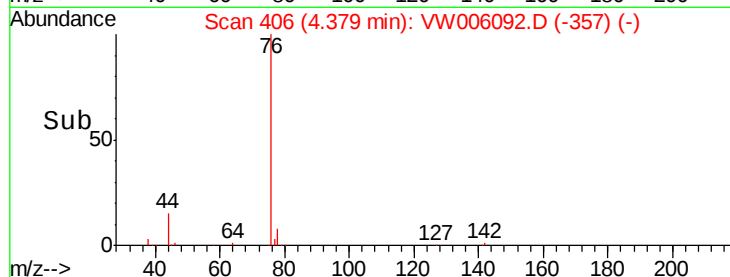
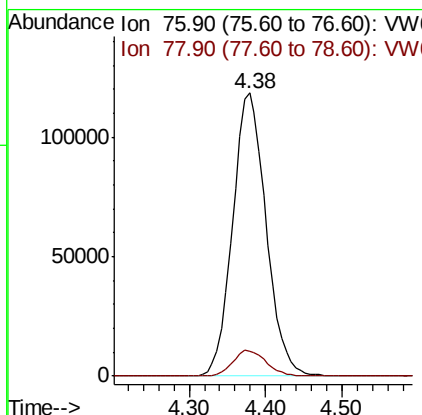
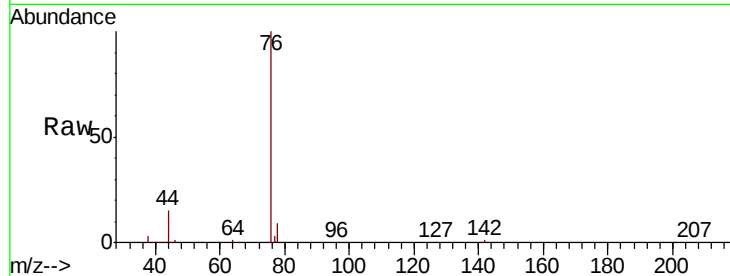
#17  
Carbon Disulfide  
Concen: 50.897 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.5   | 11.3  |

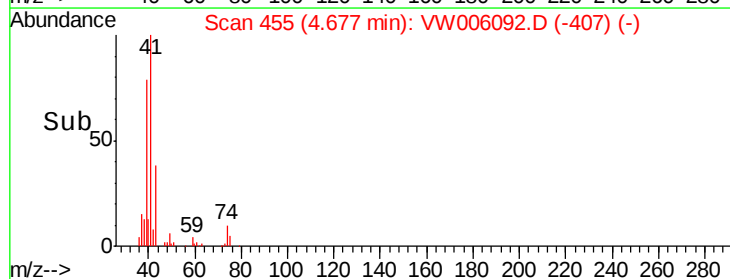
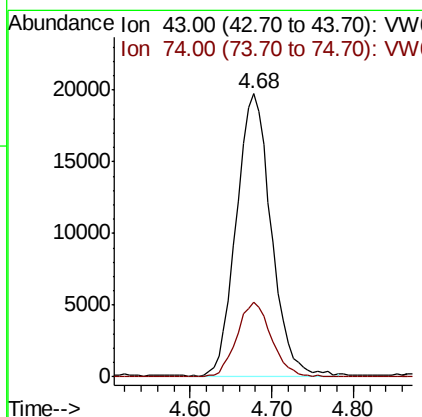
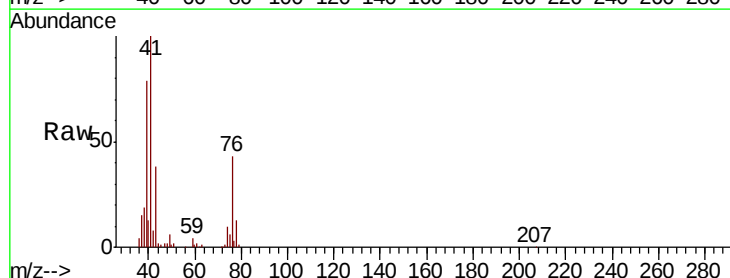
Manual Integrations  
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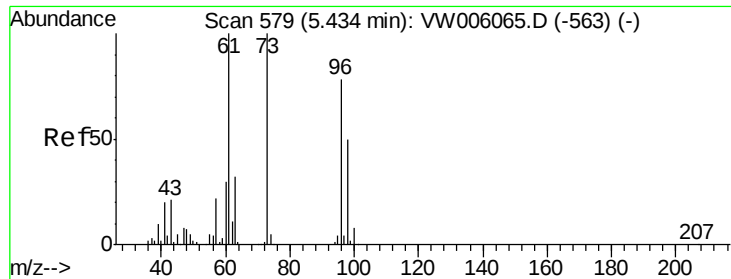
apatel  
10/17/2018 10:04:53 AM



#18  
Methyl Acetate  
Concen: 49.793 ug/l  
RT: 4.68 min Scan# 456  
Delta R.T. -0.01 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 26.4  | 20.5  | 30.7  |





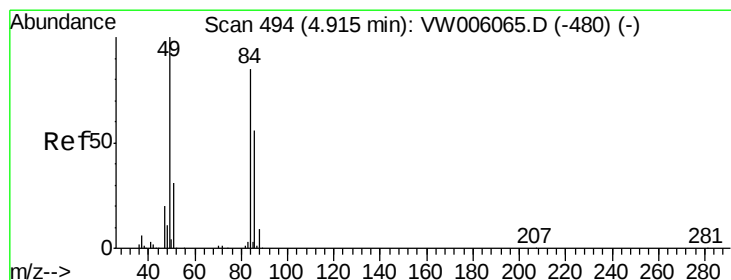
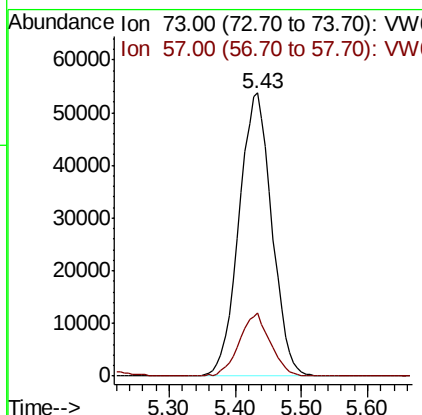
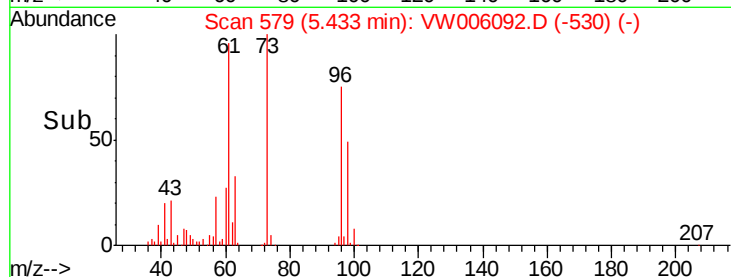
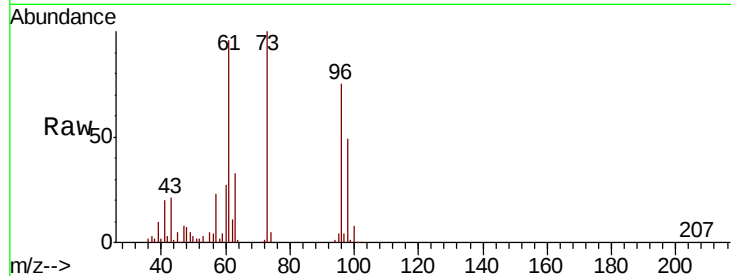
#19  
Methvl tert-butvl Ether  
Concen: 52.080 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 73      | 100   | 185430 |       |       |
| 57      | 22.6  |        | 17.4  | 26.2  |

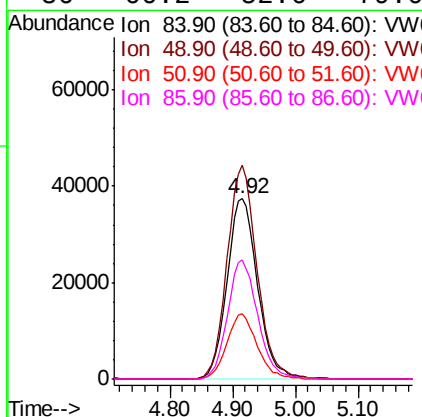
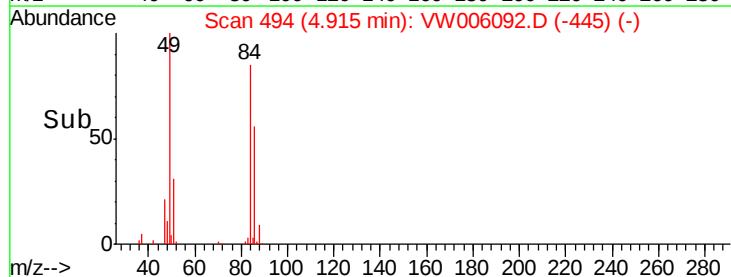
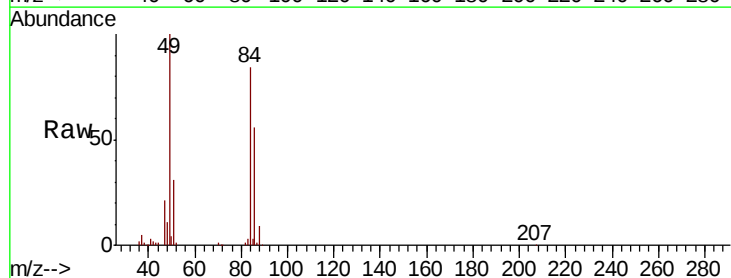
Manual Integrations  
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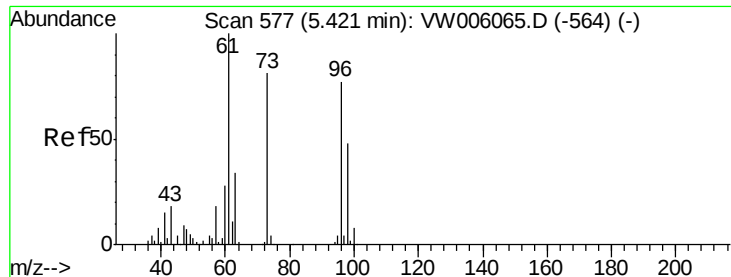
apatel  
10/17/2018 10:04:53 AM



#20  
Methylene Chloride  
Concen: 51.574 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 84      | 100   | 126455 |       |       |
| 49      | 118.4 |        | 93.6  | 140.4 |
| 51      | 36.4  |        | 29.0  | 43.4  |
| 86      | 66.2  |        | 52.6  | 79.0  |





#21

trans-1,2-Dichloroethene

Concen: 51.827 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

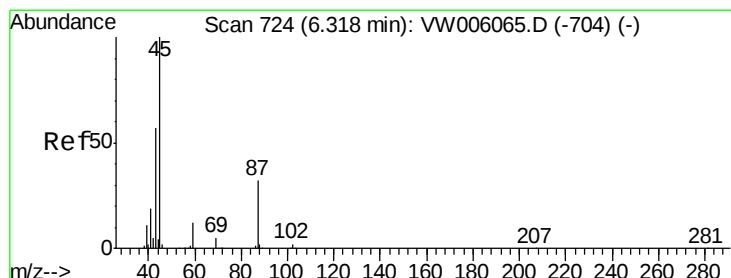
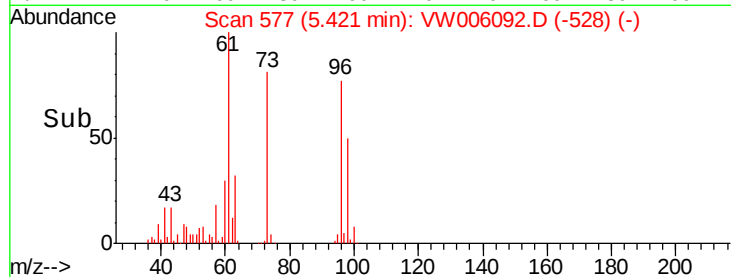
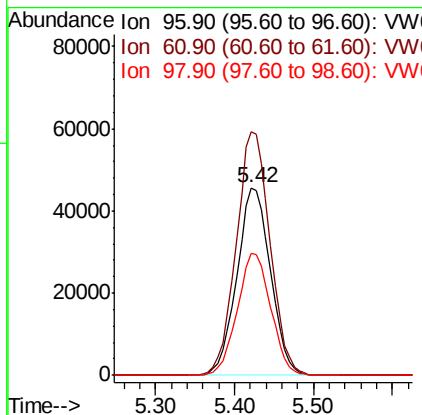
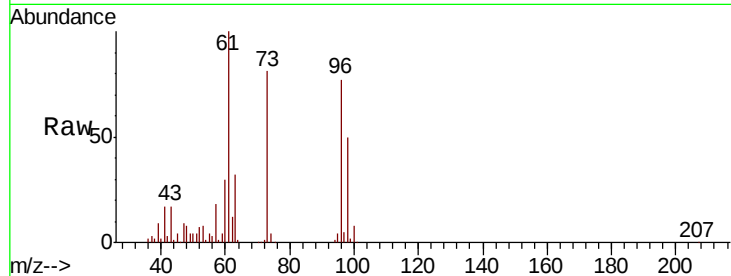
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 135232 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 129.9 | 104.5 | 156.7  |
| 98       | 65.0  | 50.6  | 75.8   |

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#22

Diisopropyl ether

Concen: 53.040 ug/l

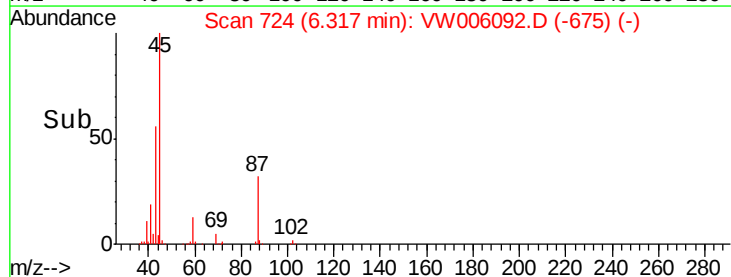
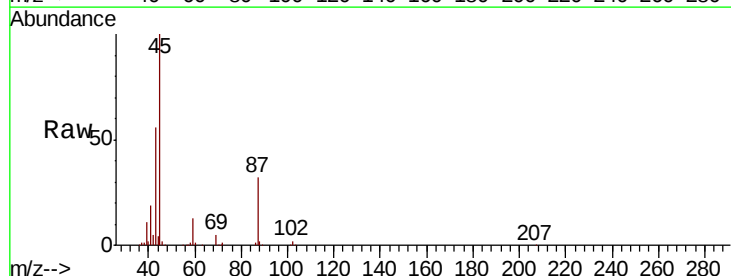
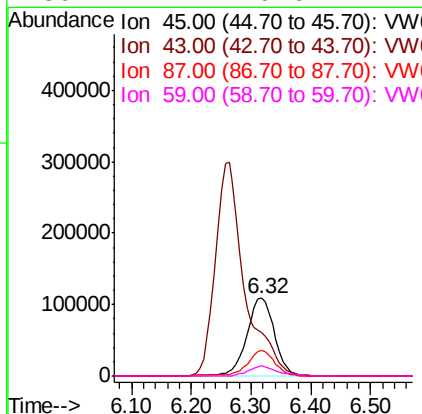
RT: 6.32 min Scan# 724

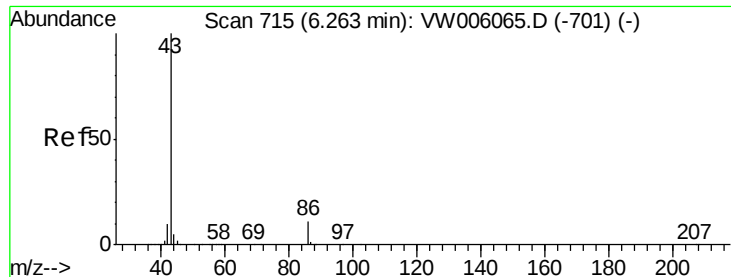
Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 350345 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 56.0  | 45.7  | 68.5   |
| 87       | 32.3  | 25.9  | 38.9   |
| 59       | 12.7  | 9.6   | 14.4   |





#23

Vinyl Acetate

Concen: 260.143 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1014069

Ion Ratio Lower Upper

43 100

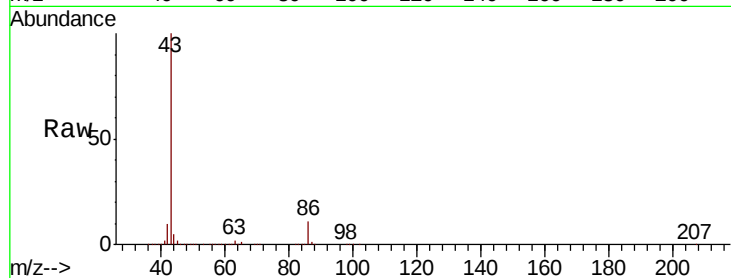
86 11.3 9.0 13.6

Manual Integrations

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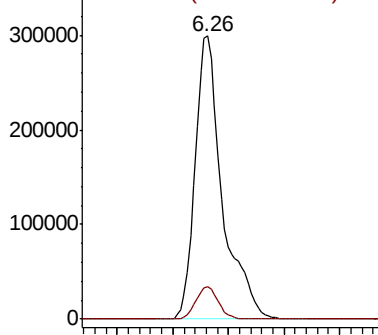
apatel

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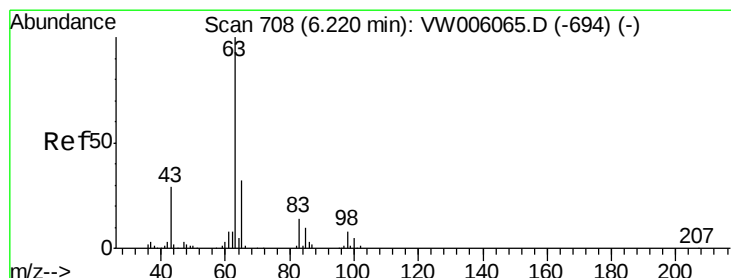
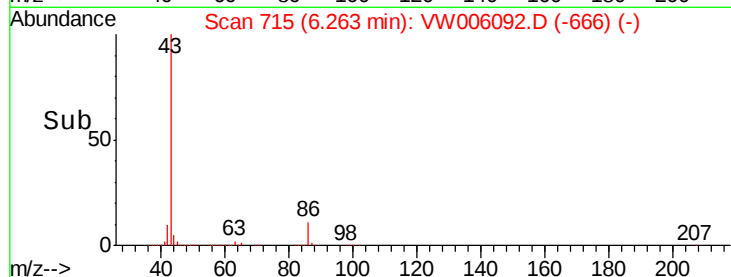


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 52.887 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

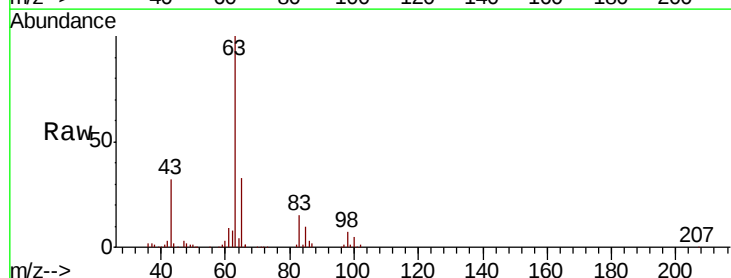
Tgt Ion: 63 Resp: 225412

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

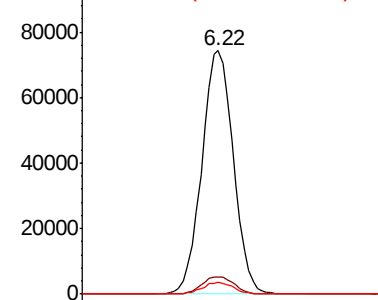
100 4.8 2.5 7.5



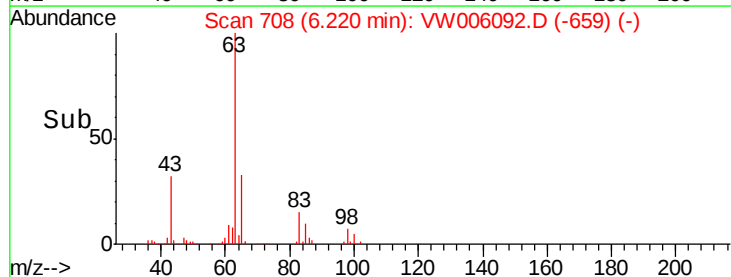
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





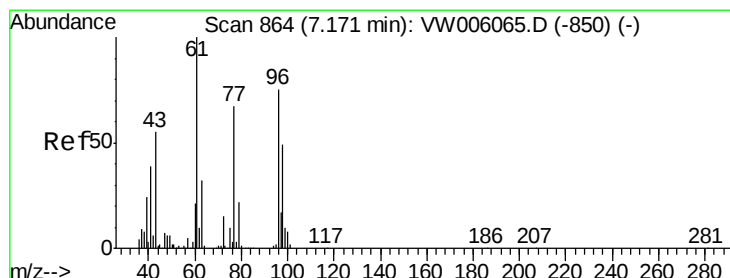
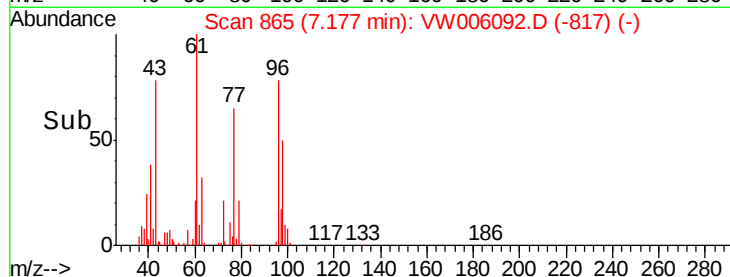
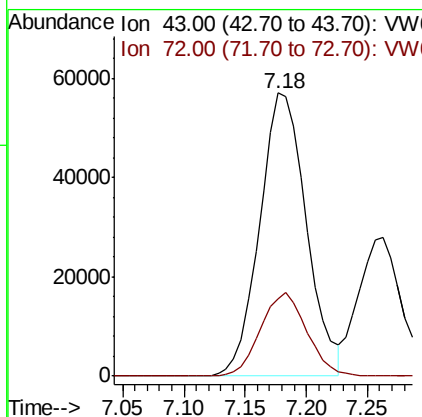
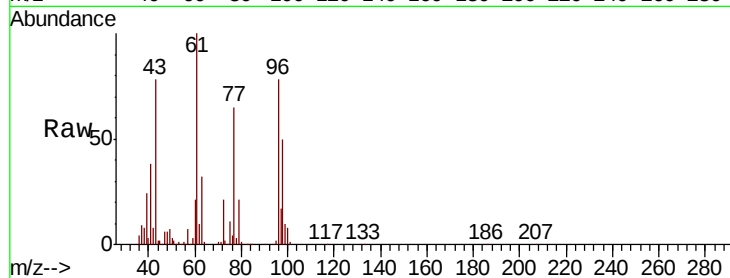
#25  
2-Butanone  
Concen: 241.878 ug/l  
RT: 7.18 min Scan# 865  
Delta R.T. -0.01 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 151566  
Ion Ratio Lower Upper  
43 100  
72 27.2 22.8 34.2

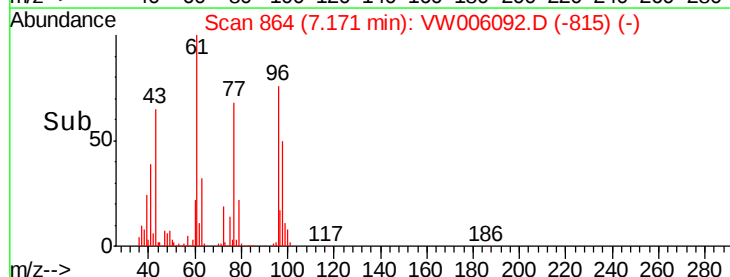
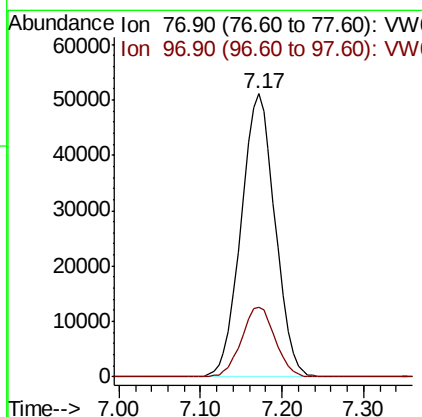
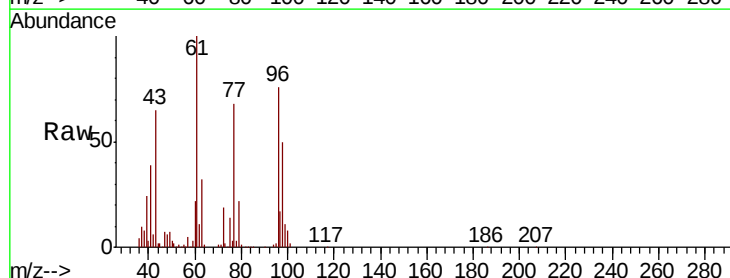
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#26  
2,2-Dichloropropane  
Concen: 49.086 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Tgt Ion: 77 Resp: 147555  
Ion Ratio Lower Upper  
77 100  
97 24.4 12.2 36.4





#27

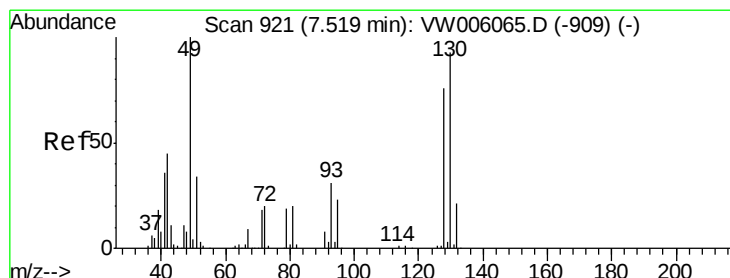
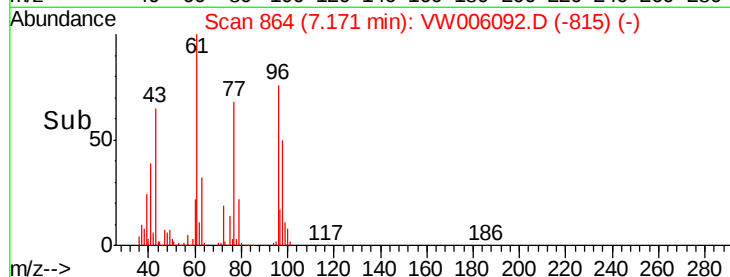
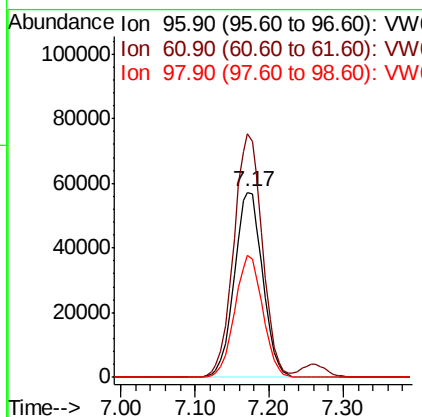
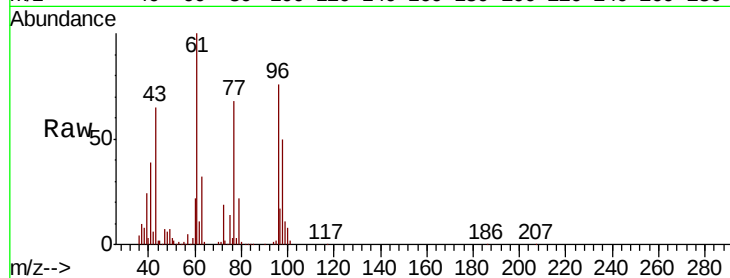
cis-1,2-Dichloroethene  
Concen: 53.017 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.8 | 0.0   | 267.2 |
| 98      | 65.0  | 0.0   | 128.6 |

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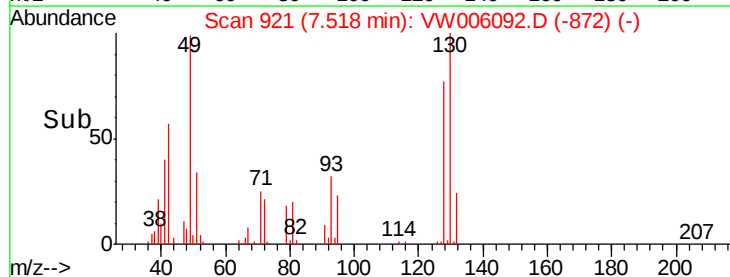
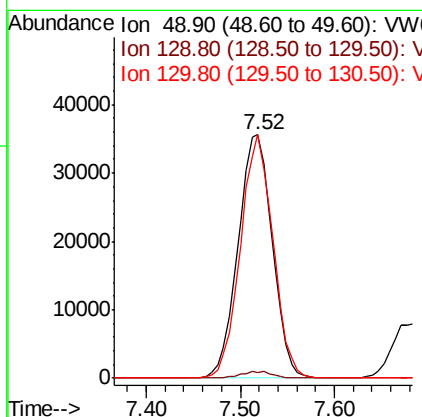
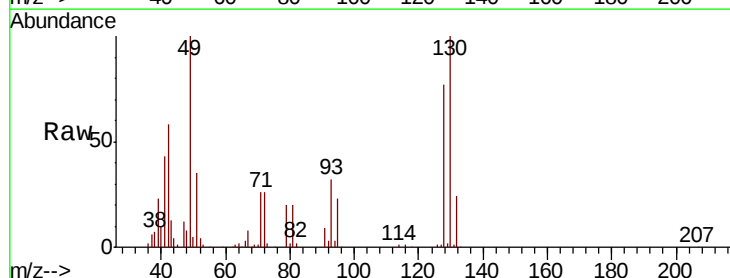
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#28

Bromochloromethane  
Concen: 54.728 ug/l  
RT: 7.52 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.5   | 0.0   | 5.0   |
| 130     | 94.7  | 73.8  | 110.8 |





#29

Tetrahydrofuran

Concen: 254.830 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

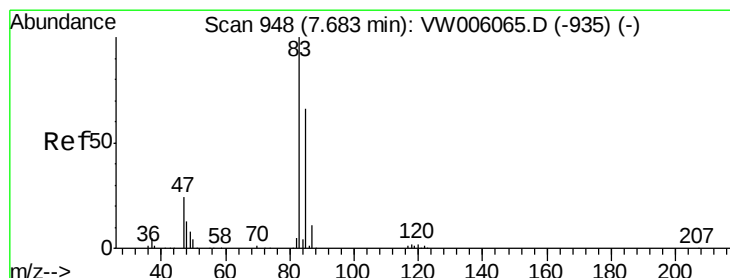
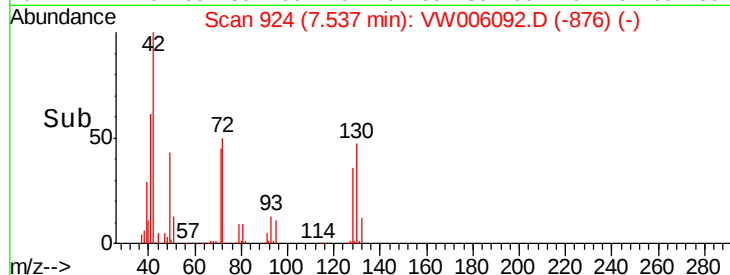
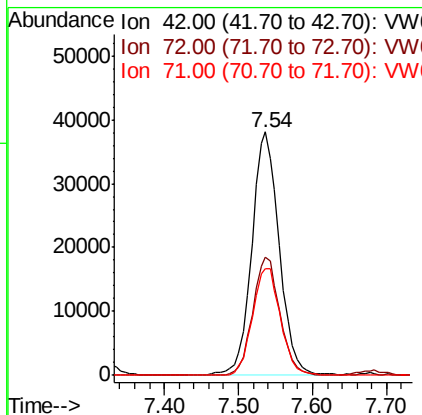
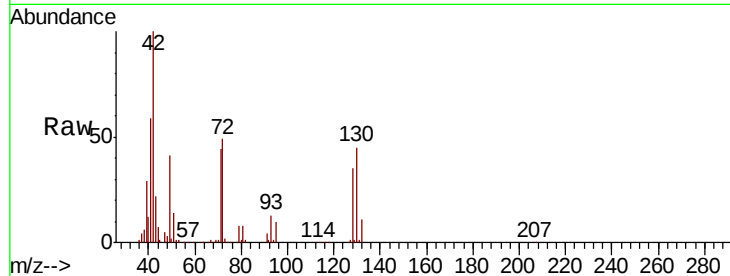
ClientSampleId :

VSTDCCC050EC

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 42   | Resp: | 98153 |
| Ion Ratio |      | Lower | Upper |
| 42        | 100  |       |       |
| 72        | 48.0 | 38.0  | 57.0  |
| 71        | 45.0 | 35.3  | 52.9  |

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#30

Chloroform

Concen: 52.708 ug/l

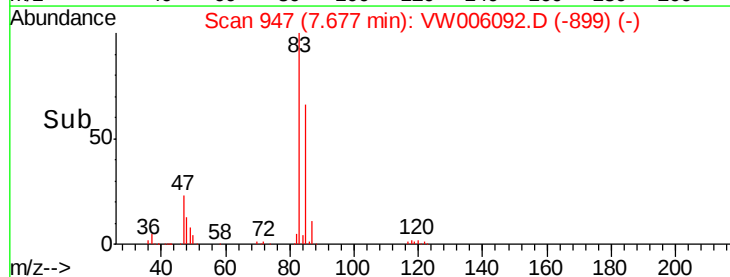
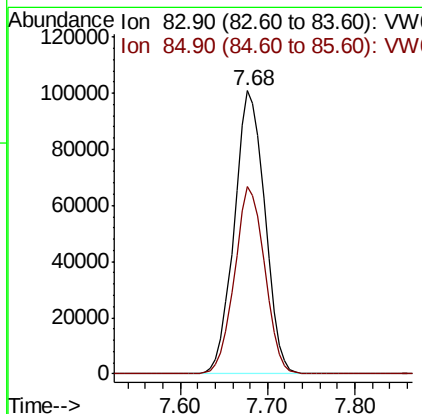
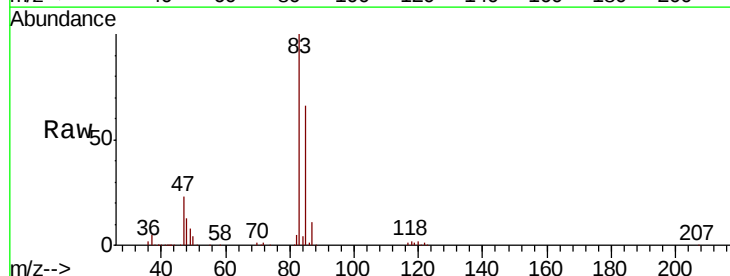
RT: 7.68 min Scan# 947

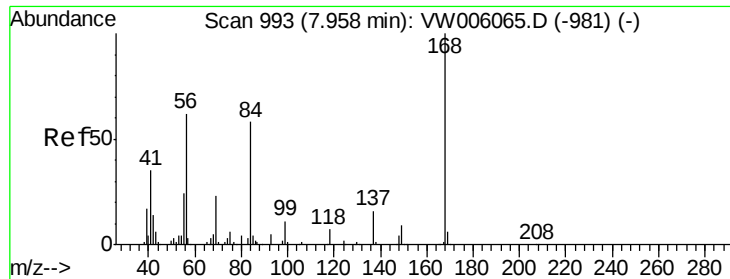
Delta R.T. -0.01 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 83   | Resp: | 244756 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 66.0 | 52.6  | 79.0   |





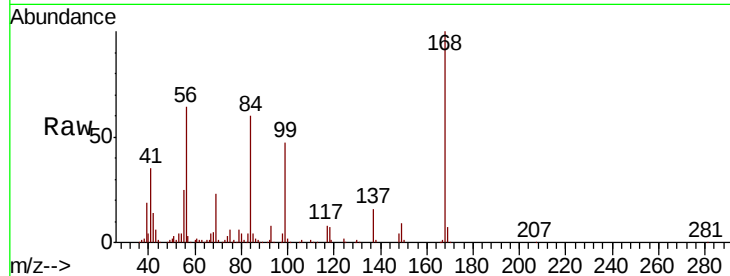
#31  
Cyclohexane  
Concen: 47.168 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

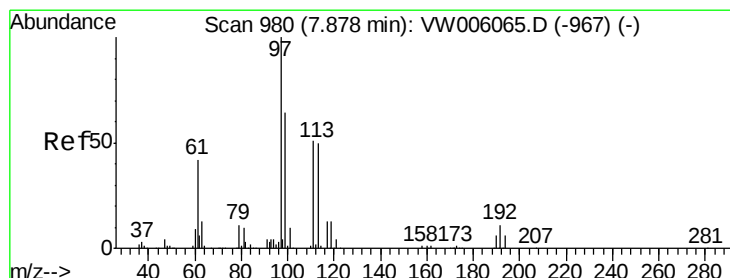
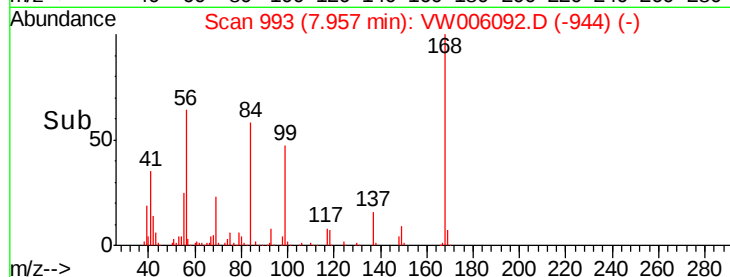
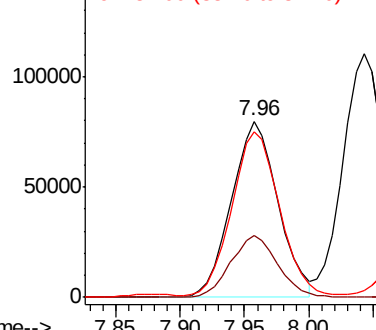
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.3  | 29.4  | 44.0  |
| 84      | 92.1  | 74.0  | 111.0 |

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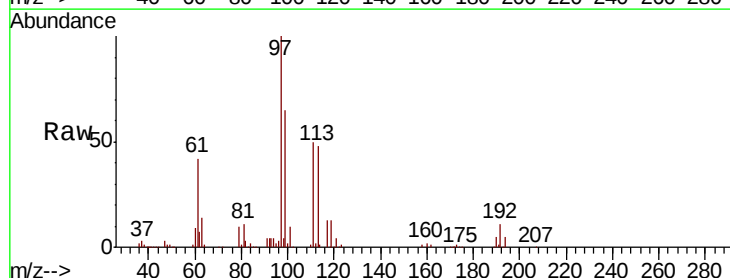


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

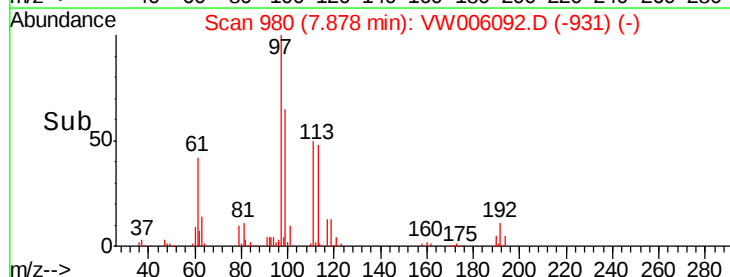
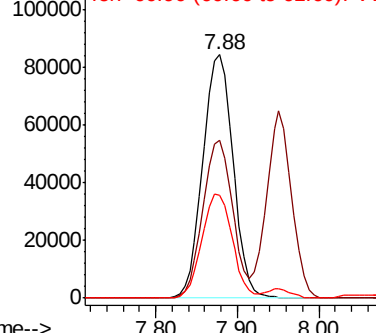


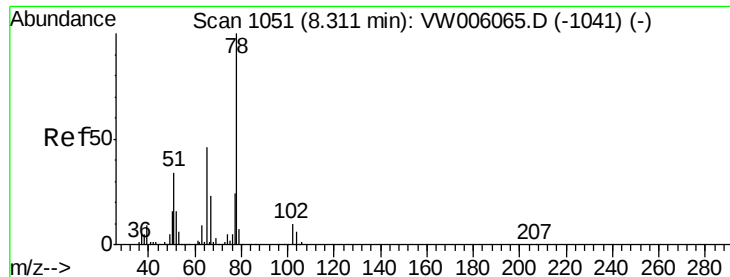
#32  
1,1,1-Trichloroethane  
Concen: 51.679 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.1  | 50.9  | 76.3  |
| 61      | 43.1  | 33.7  | 50.5  |



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





#33

1,2-Dichloroethane-d4

Concen: 50.036 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 116060

Ion Ratio Lower Upper

65 100

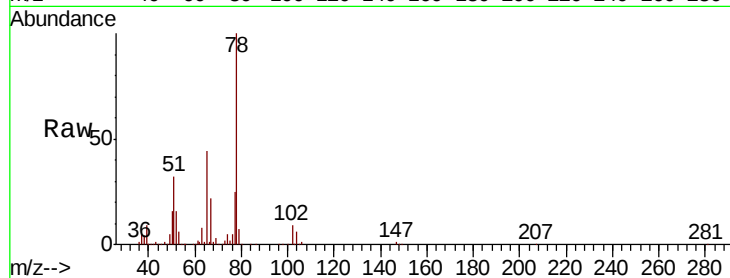
67 52.4 0.0 101.0

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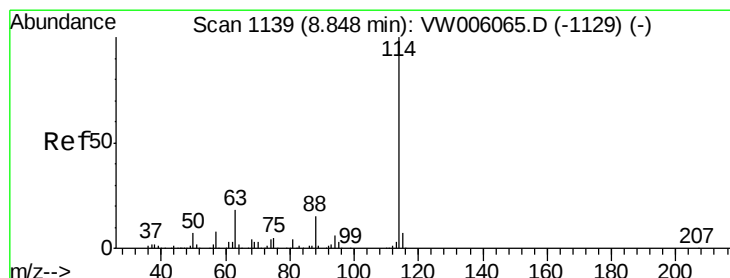
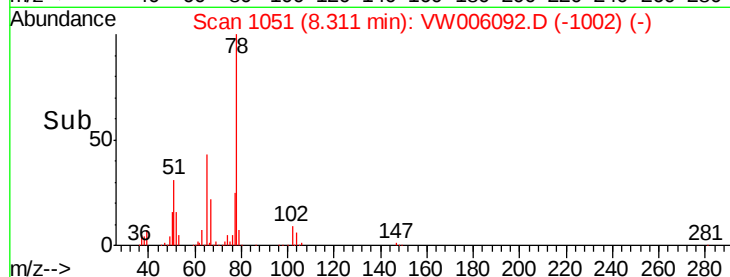
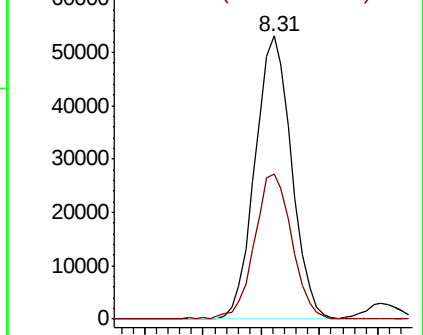
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

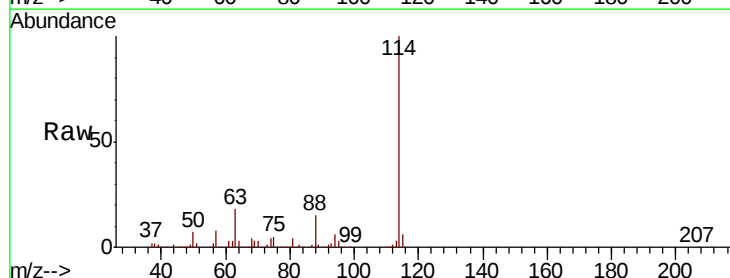
Tgt Ion: 114 Resp: 407950

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

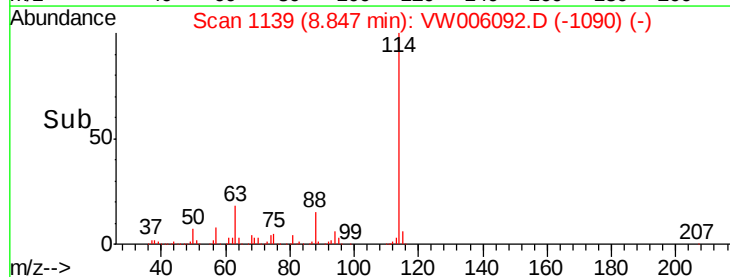
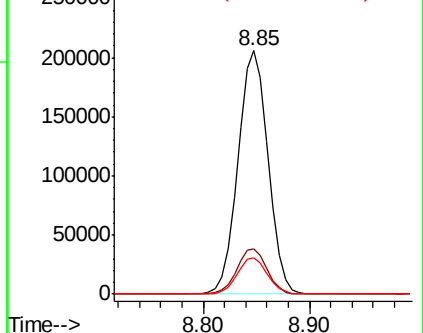
88 15.1 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 49.765 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

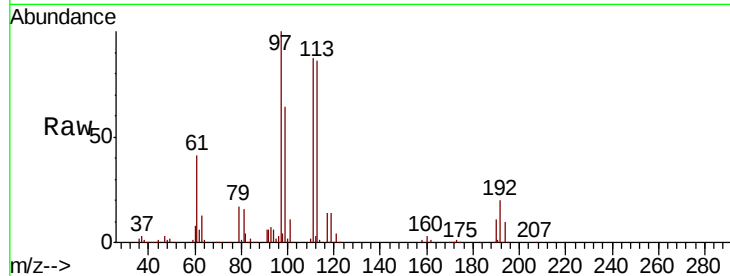
ClientSampleId :

VSTDCCC050EC

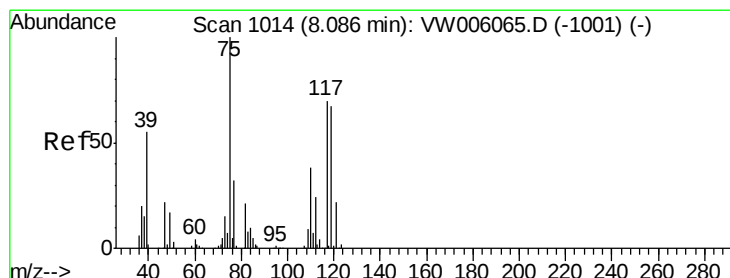
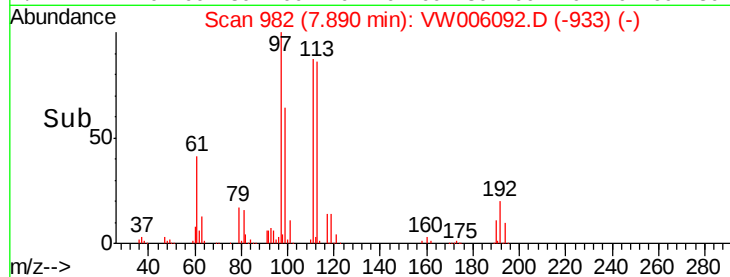
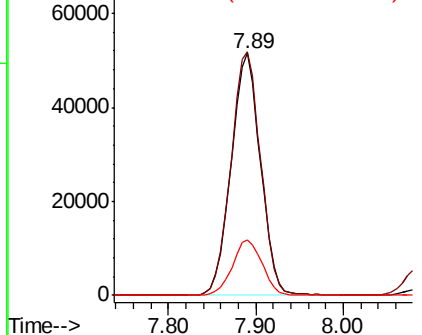
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 119961 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.2 | 81.4  | 122.0  |
| 192       | 23.2  | 18.7  | 28.1   |

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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: 50.577 ug/l

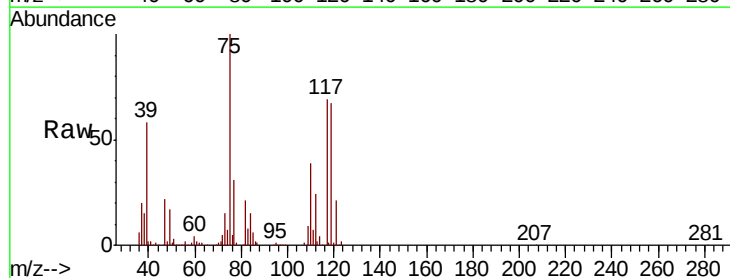
RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

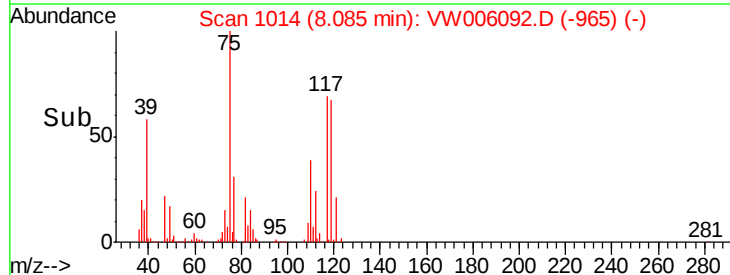
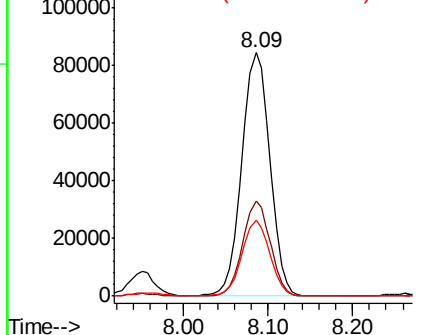
Lab File: VW006092.D

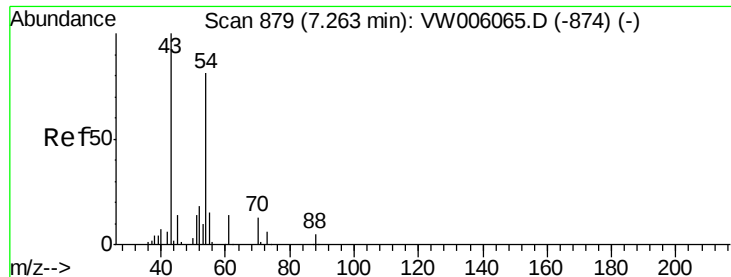
Acq: 16 Oct 2018 21:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 190177 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 38.0  | 19.1  | 57.1   |
| 77        | 31.0  | 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





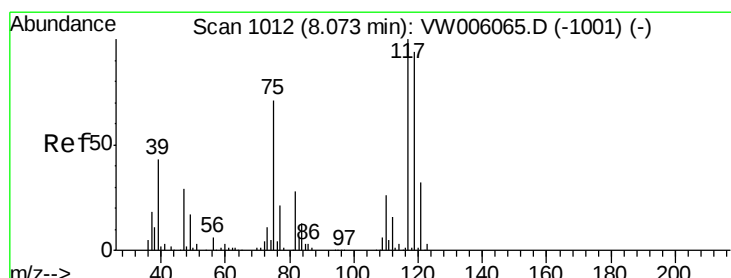
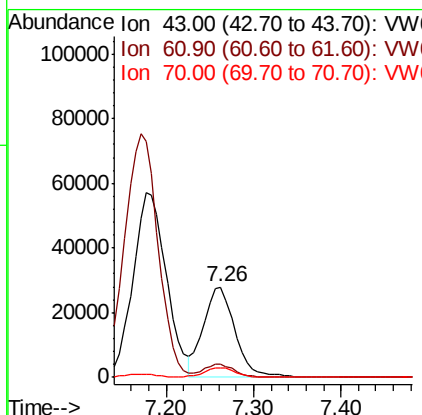
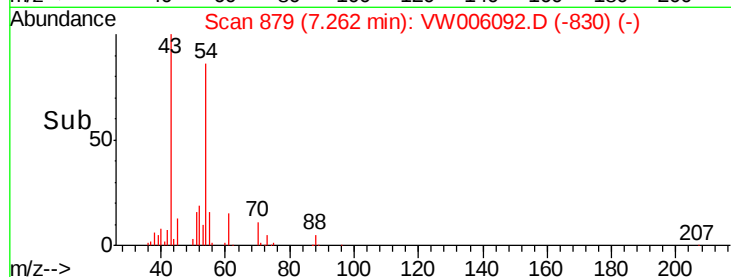
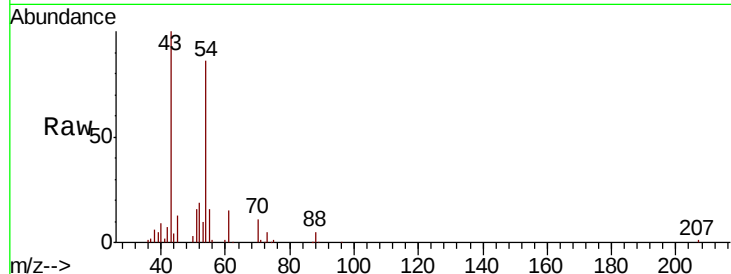
#37  
Ethyl Acetate  
Concen: 49.981 ug/l  
RT: 7.26 min Scan# 879  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.9  | 11.5  | 17.3  |
| 70      | 10.9  | 9.2   | 13.8  |

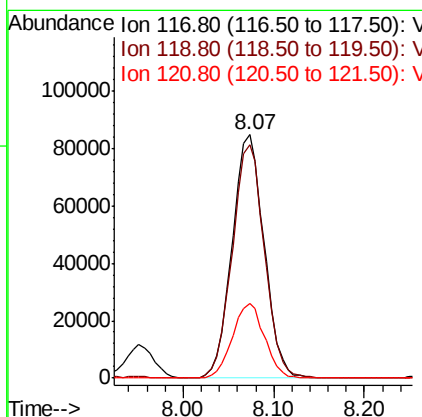
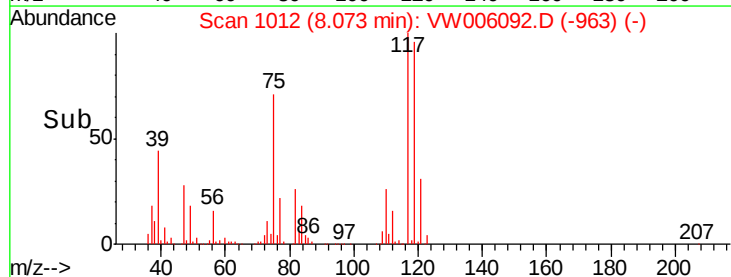
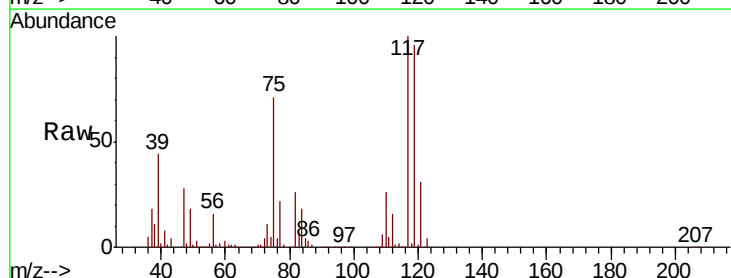
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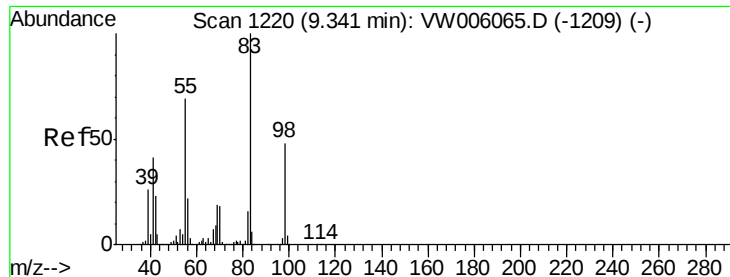
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#38  
Carbon Tetrachloride  
Concen: 50.240 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.9  | 75.2  | 112.8 |
| 121     | 30.9  | 25.3  | 37.9  |





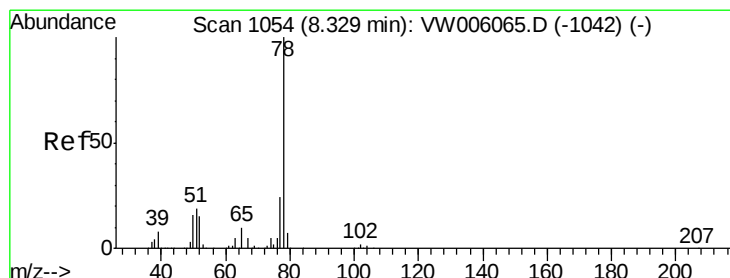
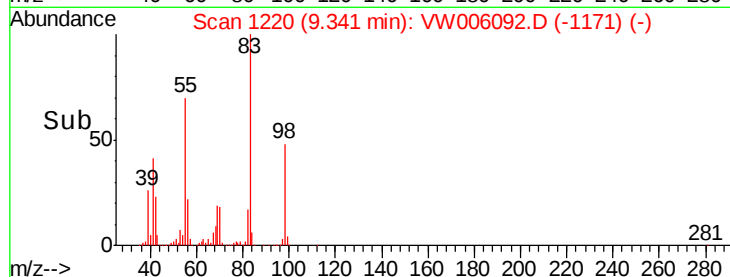
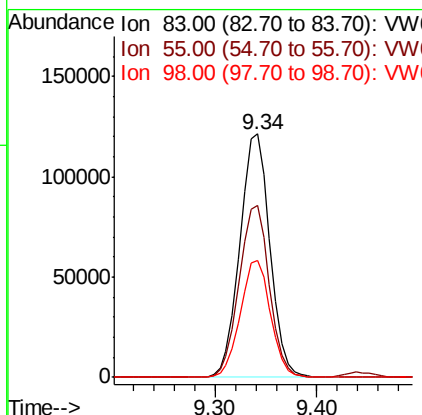
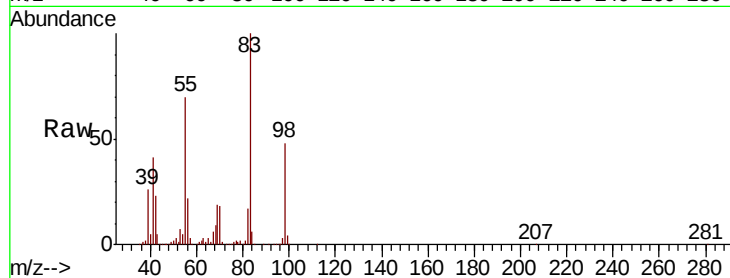
#39  
Methvlcvclohexane  
Concen: 49.730 ug/l  
RT: 9.34 min Scan# 1220  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 70.4  | 55.0  | 82.6  |
| 98      | 47.8  | 38.6  | 57.8  |

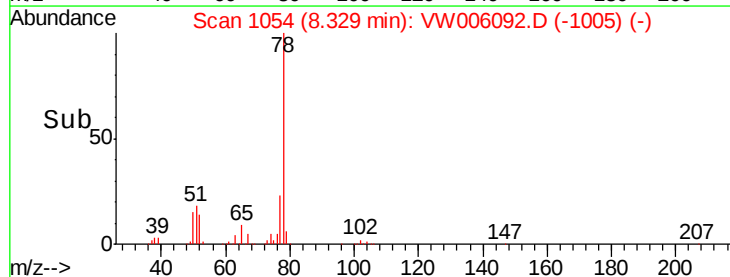
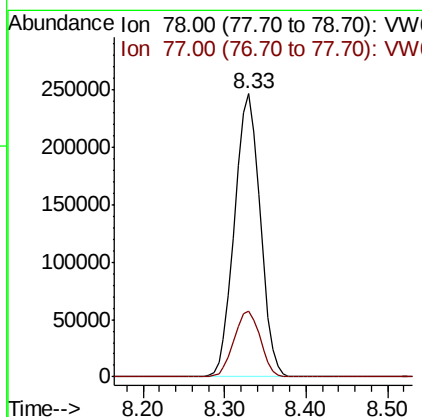
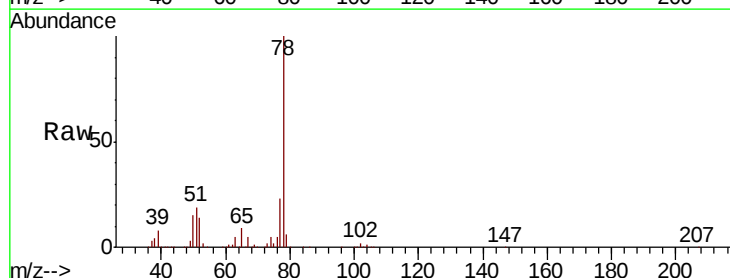
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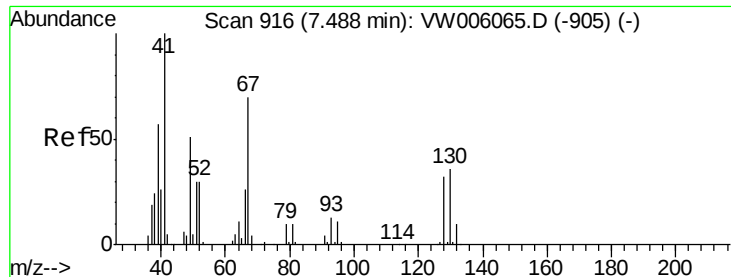
apatel  
10/17/2018 10:04:53 AM



#40  
Benzene  
Concen: 51.992 ug/l  
RT: 8.33 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 19.4  | 29.0  |





#41

Methacrylonitrile

Concen: 47.256 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 39799

Ion Ratio Lower Upper

41 100

39 58.0 46.2 69.4

67 80.4 57.7 86.5

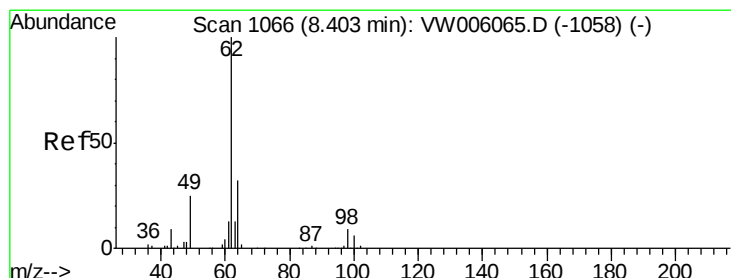
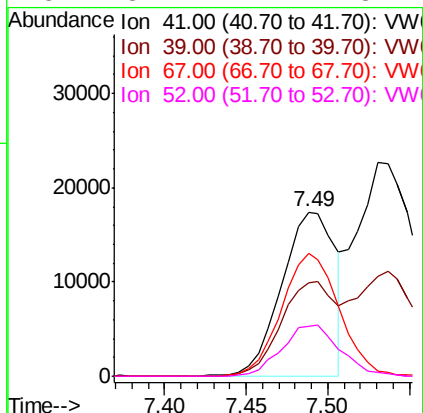
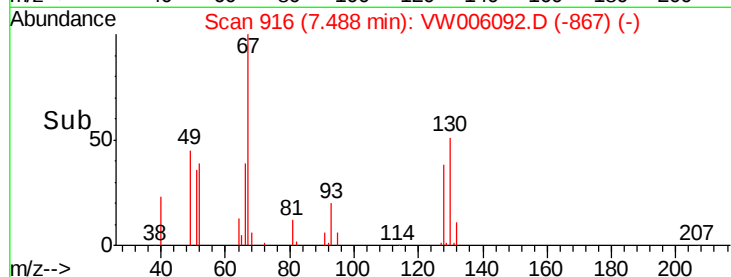
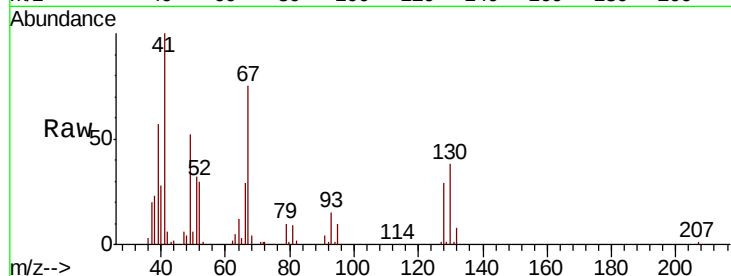
52 34.1 24.7 37.1

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#42

1,2-Dichloroethane

Concen: 52.069 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW006092.D

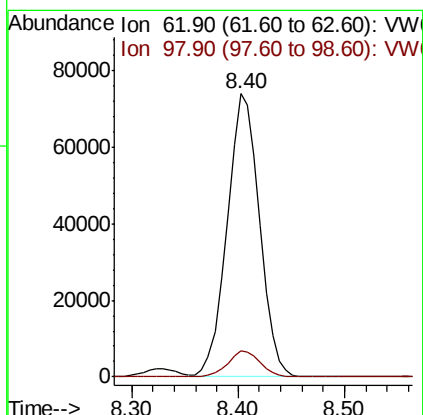
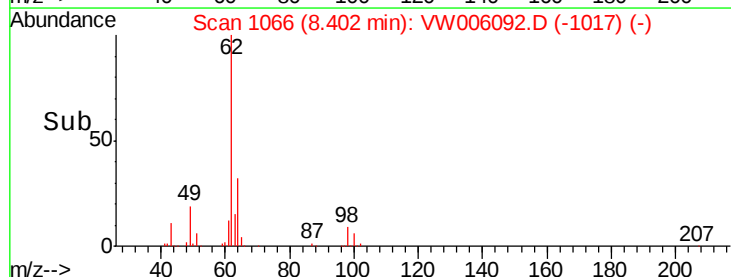
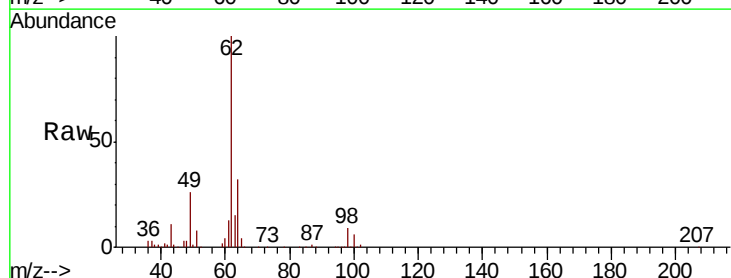
Acq: 16 Oct 2018 21:28

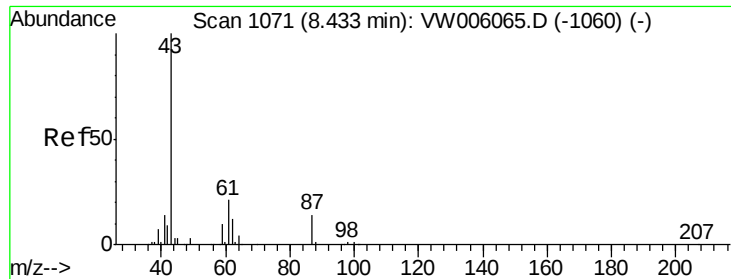
Tgt Ion: 62 Resp: 157787

Ion Ratio Lower Upper

62 100

98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 50.756 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

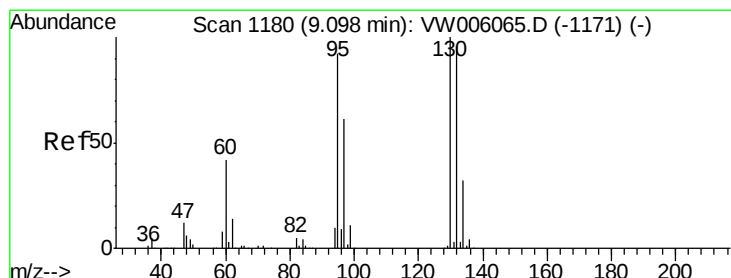
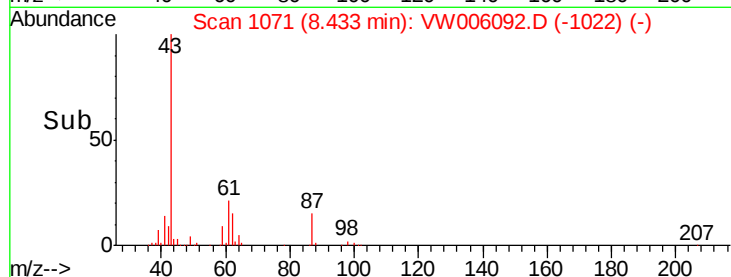
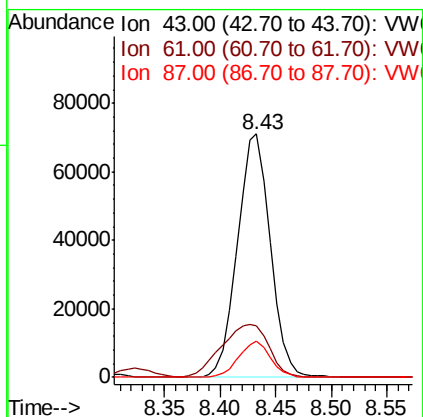
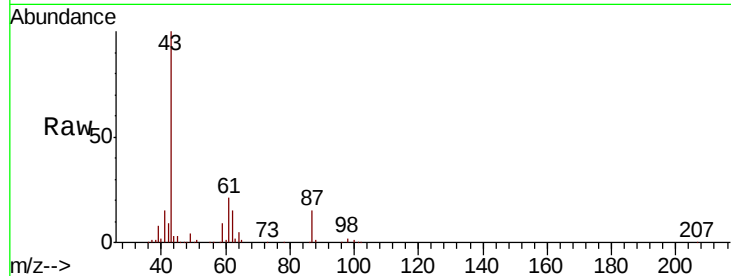
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 144982 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.6  | 25.5  | 38.3   |
| 87       | 14.3  | 11.7  | 17.5   |

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#44

Trichloroethene

Concen: 51.312 ug/l

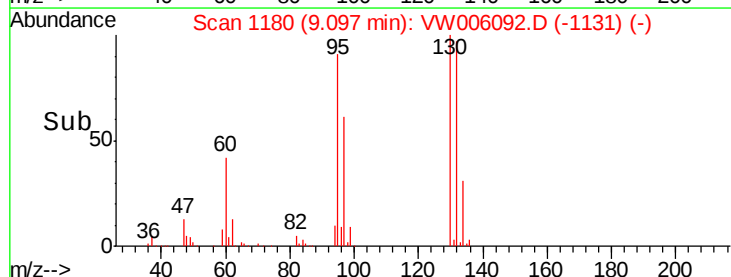
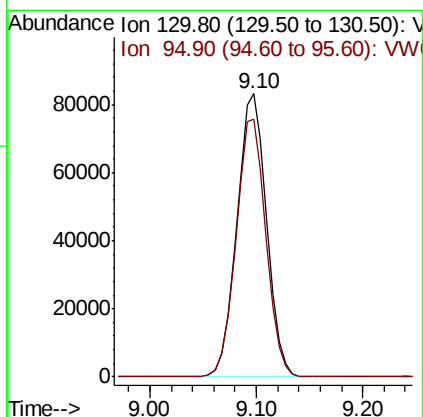
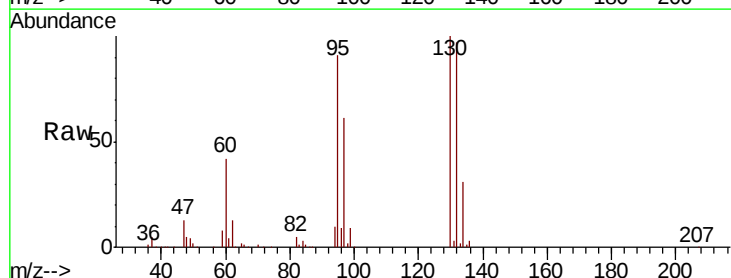
RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 162373 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 91.0  | 0.0   | 183.2  |





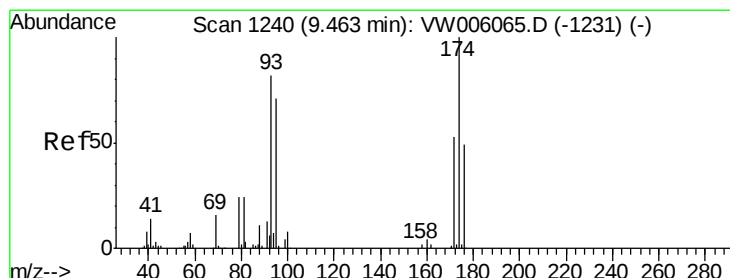
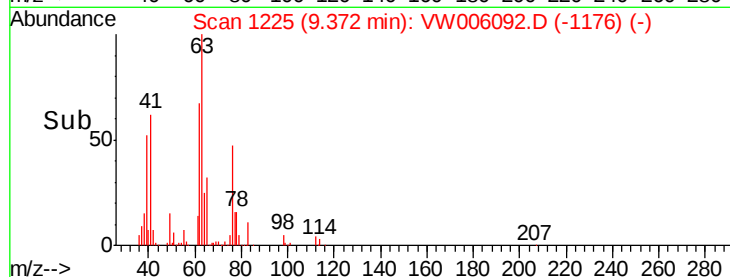
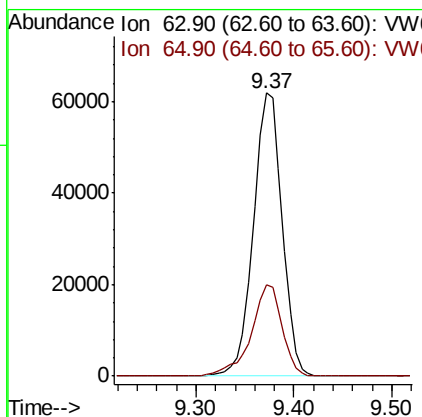
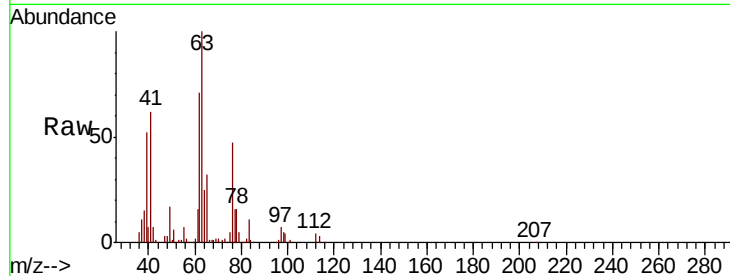
#45  
 1,2-Dichloropropane  
 Concen: 51.015 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.2  | 25.4  | 38.0  |

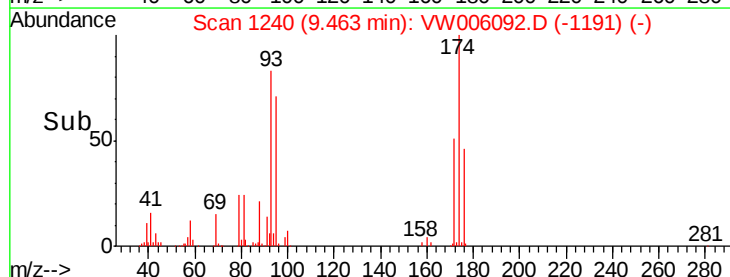
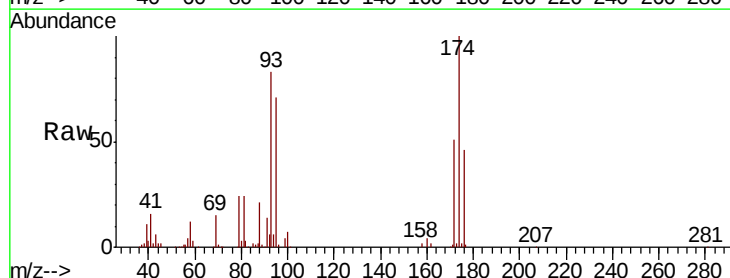
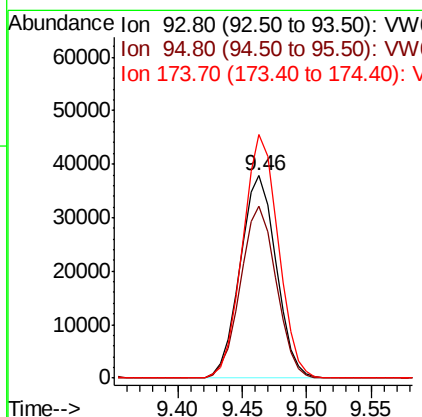
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#46  
 Dibromomethane  
 Concen: 52.072 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 84.1  | 67.7  | 101.5 |
| 174     | 118.4 | 93.7  | 140.5 |





#47

Bromodichloromethane

Concen: 52.539 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

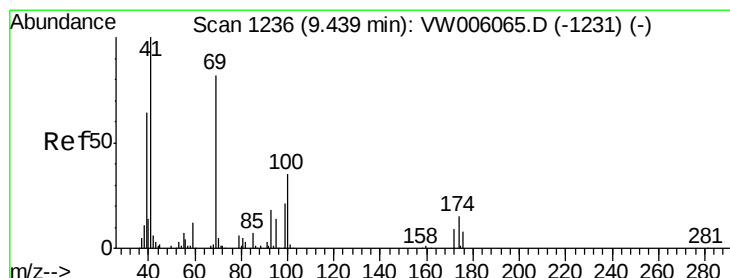
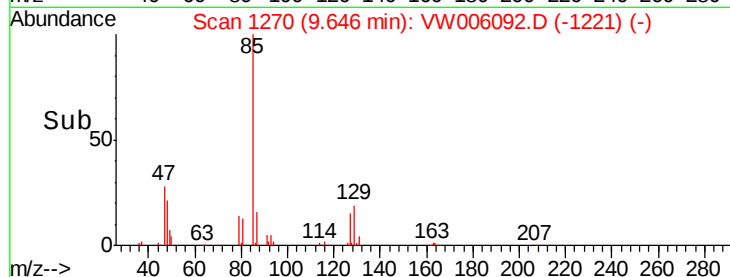
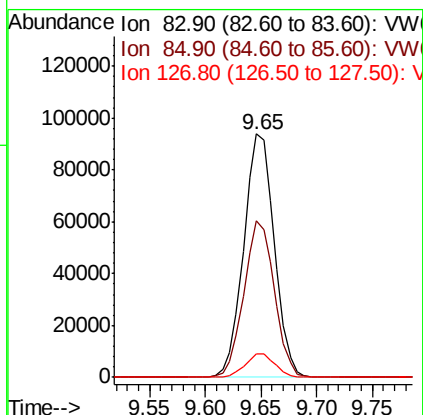
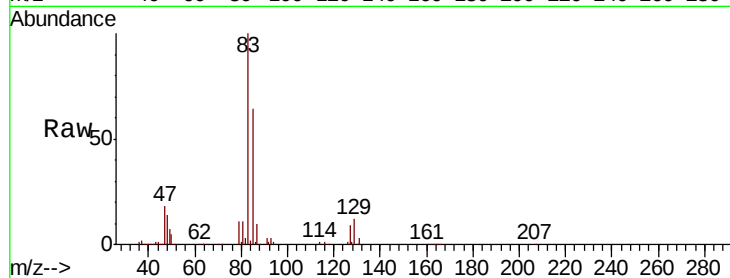
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 179189 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.4  | 51.8  | 77.8   |
| 127      | 9.5   | 6.9   | 10.3   |

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#48

Methyl methacrylate

Concen: 51.095 ug/l

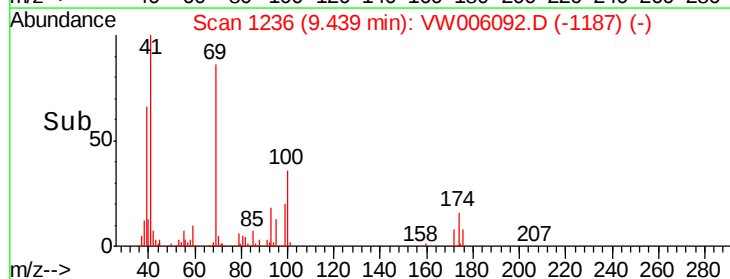
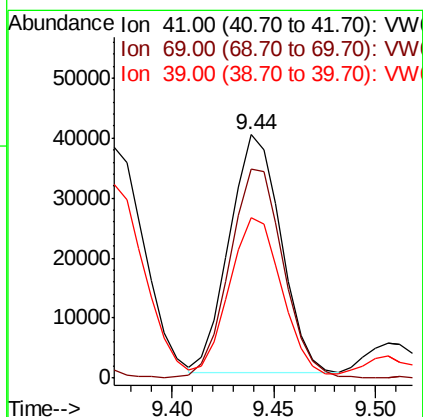
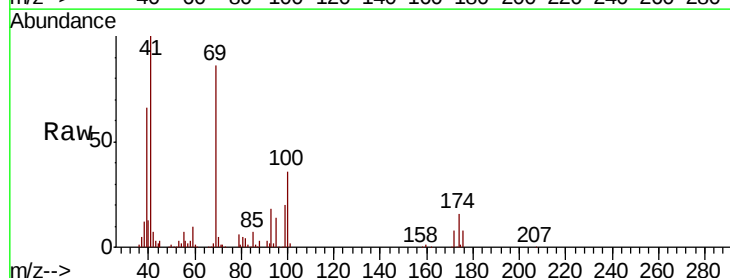
RT: 9.44 min Scan# 1236

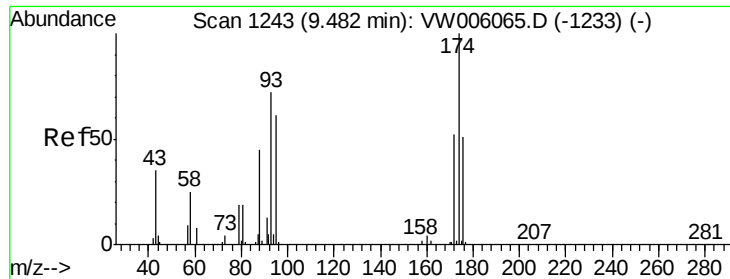
Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 69183 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.0  | 71.8  | 107.8 |
| 39       | 65.9  | 52.5  | 78.7  |





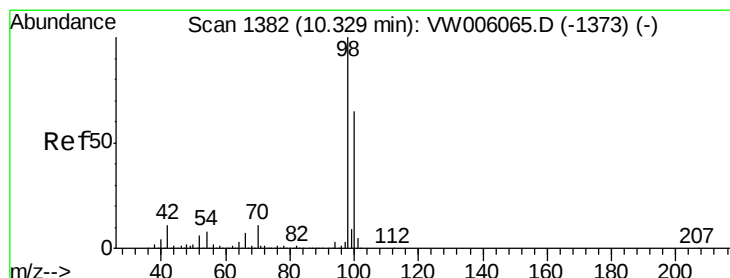
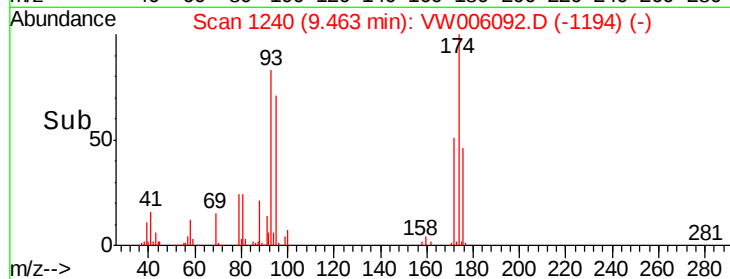
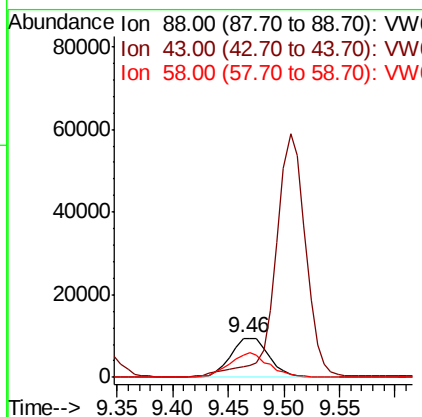
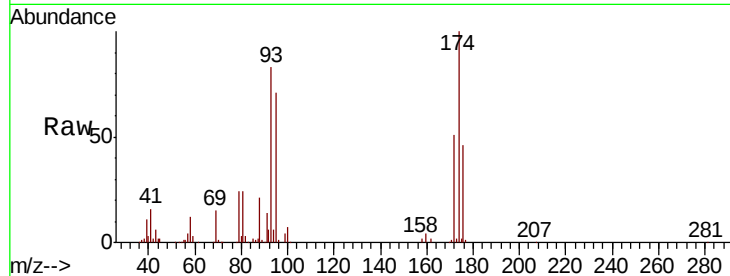
#49  
1,4-Dioxane  
Concen: 1056.417 ug/l  
RT: 9.46 min Scan# 1240  
Delta R.T. -0.02 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 0.0   | 0.0   |
| 58      | 64.4  | 51.2  | 76.8  |

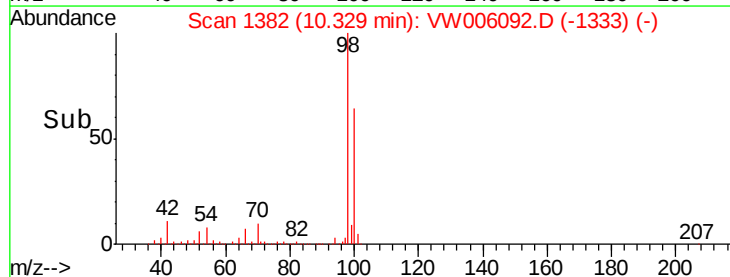
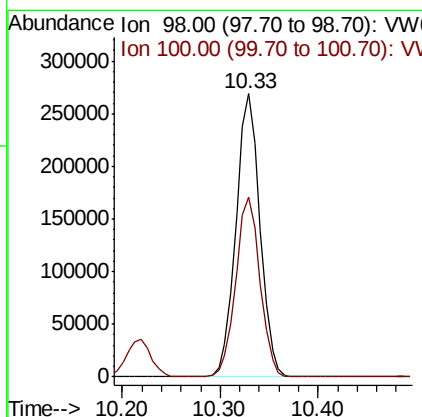
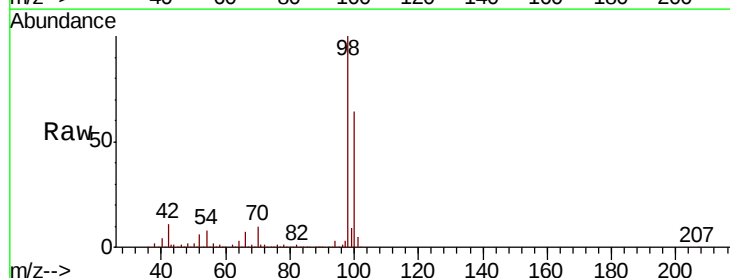
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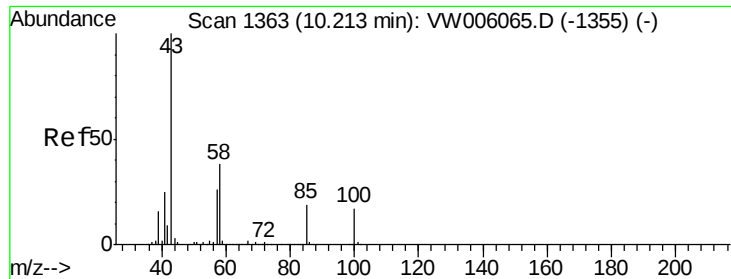
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#50  
Toluene-d8  
Concen: 49.848 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 51.6  | 77.4  |





#51

4-Methyl-2-Pentanone

Concen: 251.980 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 360632

Ion Ratio Lower Upper

43 100

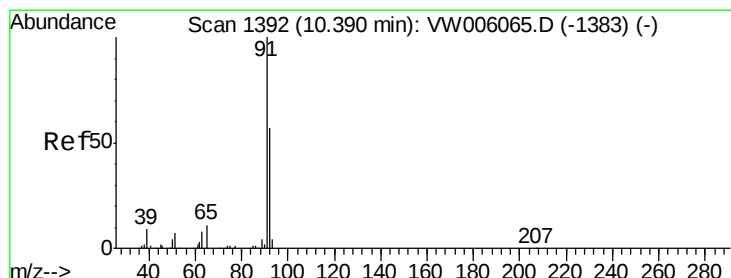
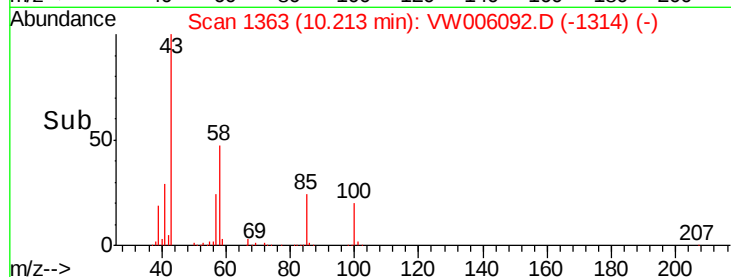
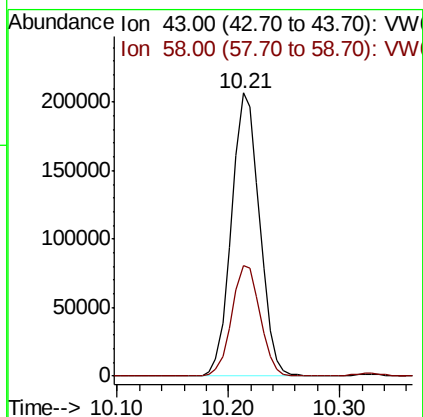
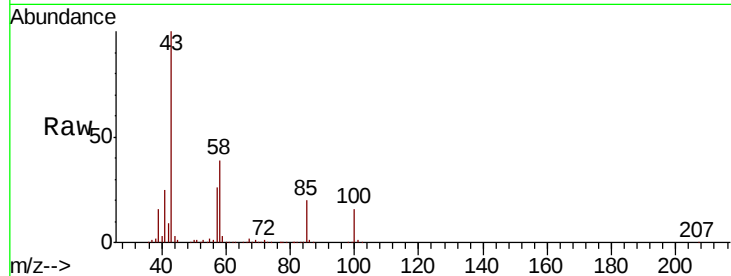
58 39.4 31.5 47.3

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#52

Toluene

Concen: 51.815 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006092.D

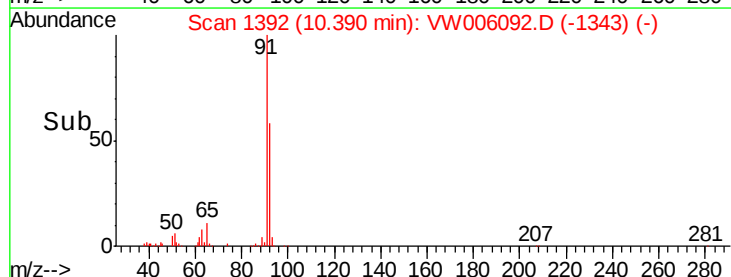
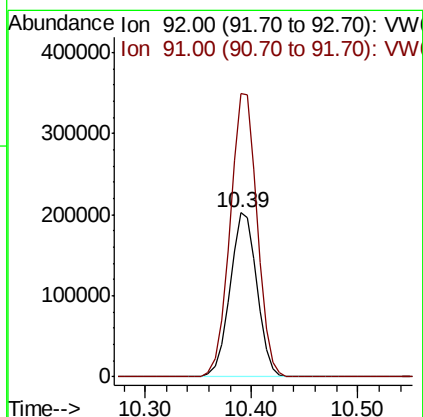
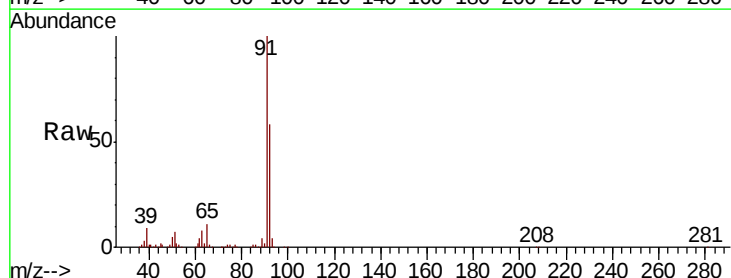
Acq: 16 Oct 2018 21:28

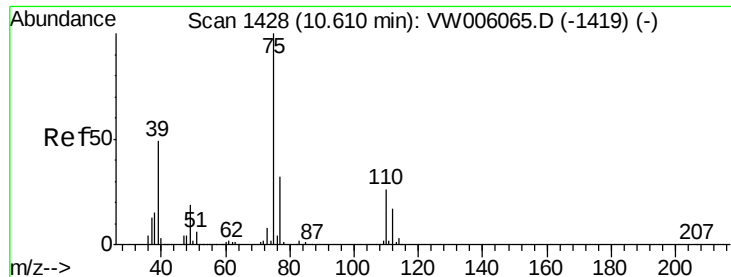
Tgt Ion: 92 Resp: 358299

Ion Ratio Lower Upper

92 100

91 173.9 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 52.028 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 176792

Ion Ratio Lower Upper

75 100

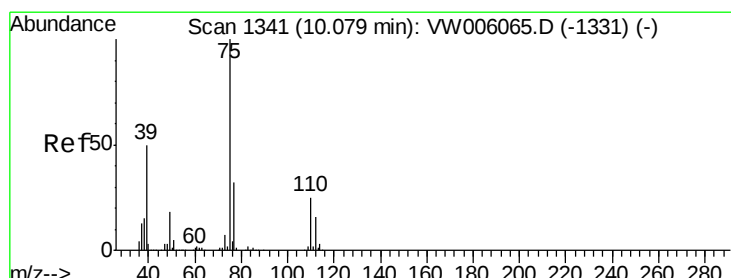
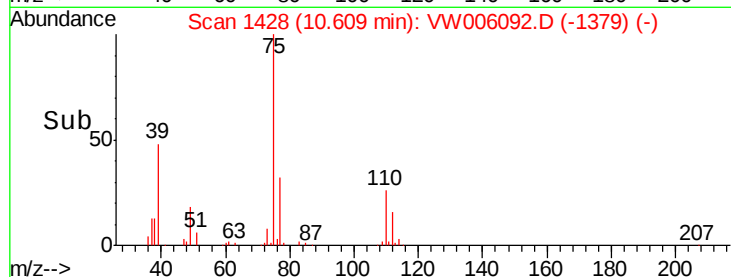
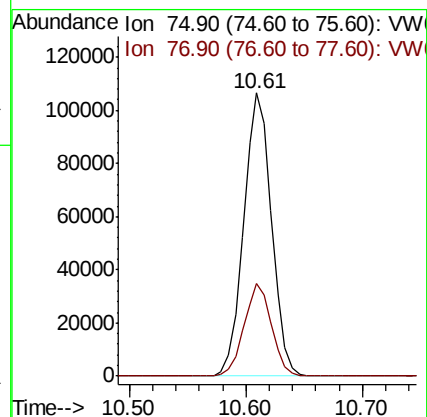
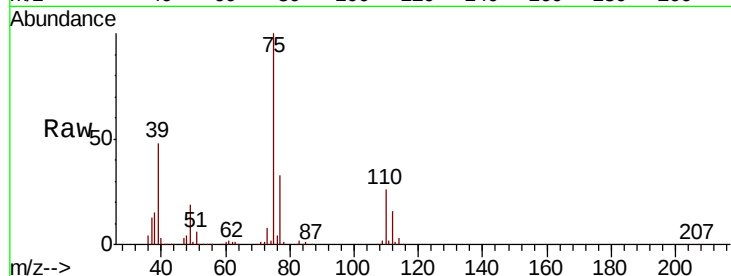
77 32.6 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 52.030 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

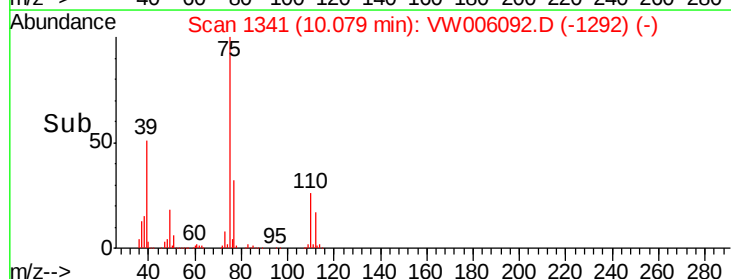
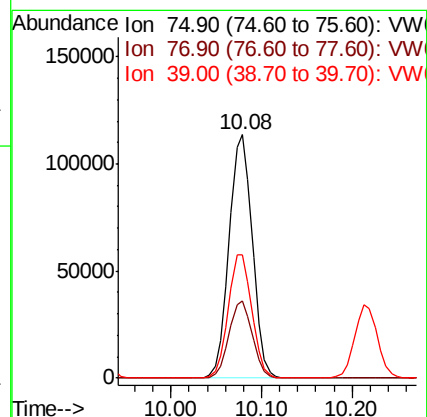
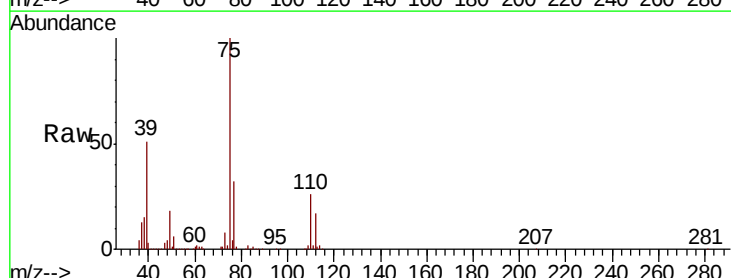
Tgt Ion: 75 Resp: 202910

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 50.7 39.9 59.9





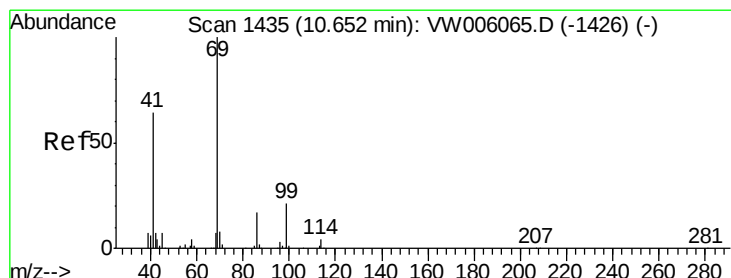
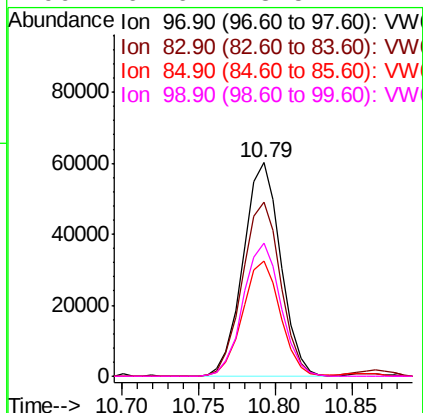
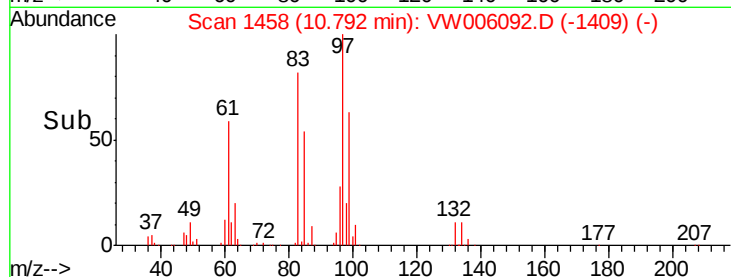
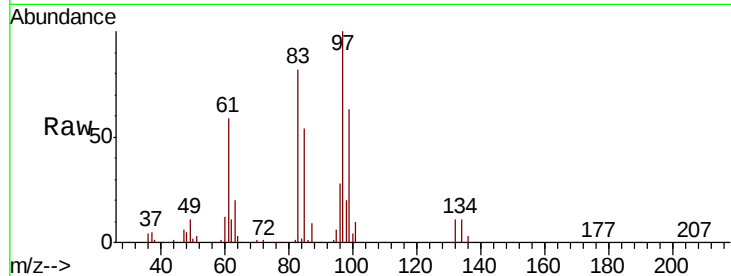
#55  
 1,1,2-Trichloroethane  
 Concen: 52.219 ug/l  
 RT: 10.79 min Scan# 1458  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 102798 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 81.7  | 67.2  | 100.8  |
| 85       | 54.2  | 43.7  | 65.5   |
| 99       | 62.6  | 48.5  | 72.7   |

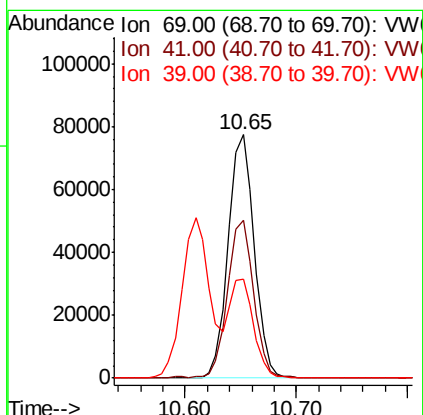
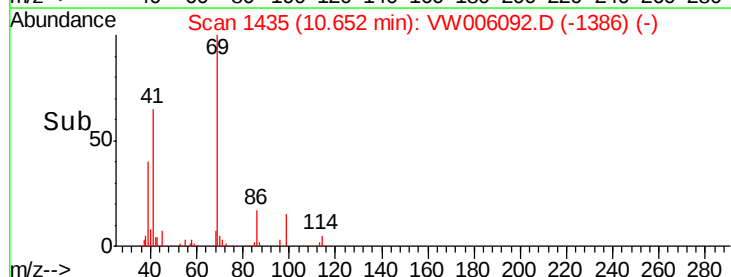
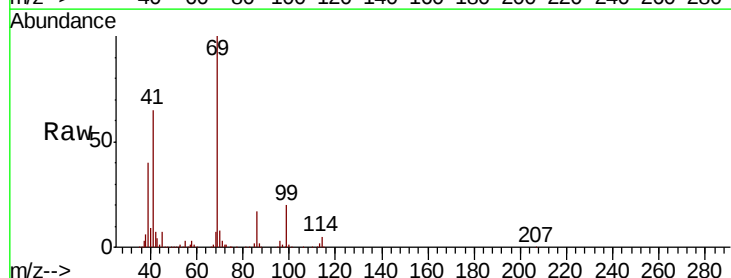
Manual Integrations  
 APPROVED

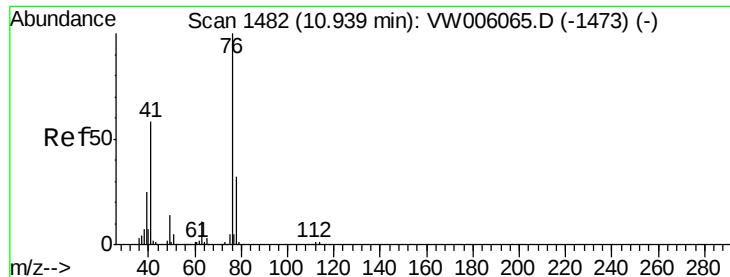
apatel  
 10/17/2018 10:04:53 AM



#56  
 Ethyl methacrylate  
 Concen: 51.993 ug/l  
 RT: 10.65 min Scan# 1435  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 125477 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.5  | 52.8  | 79.2   |
| 39       | 37.3  | 30.6  | 45.8   |





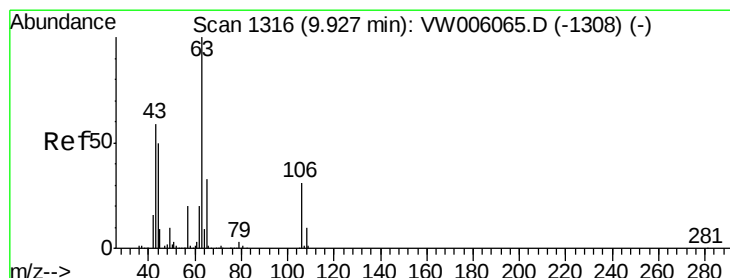
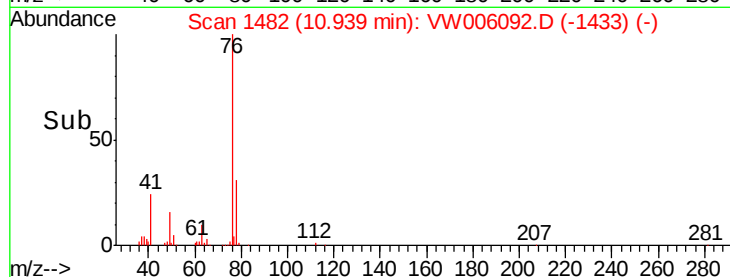
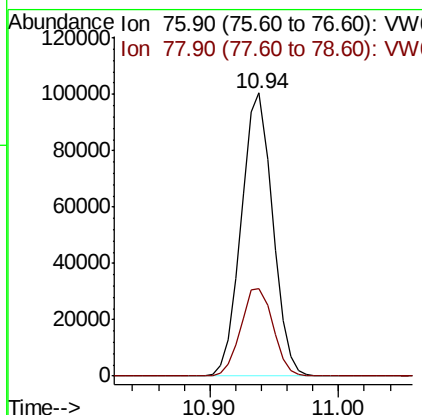
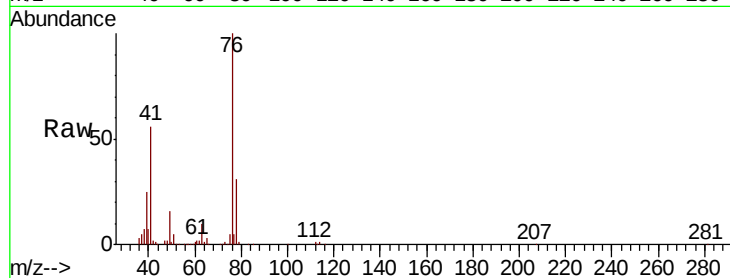
#57  
 1,3-Dichloropropane  
 Concen: 51.878 ug/l  
 RT: 10.94 min Scan# 1482  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 169059  
 Ion Ratio Lower Upper  
 76 100  
 78 32.1 25.9 38.9

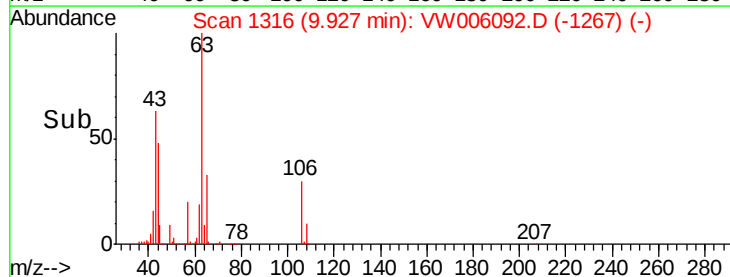
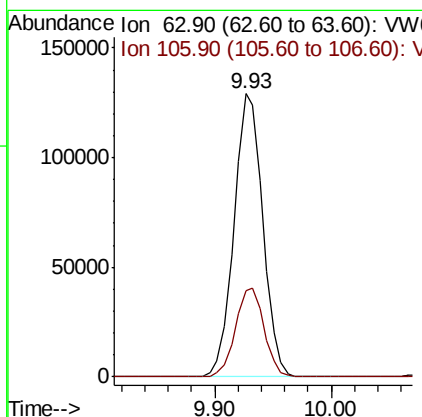
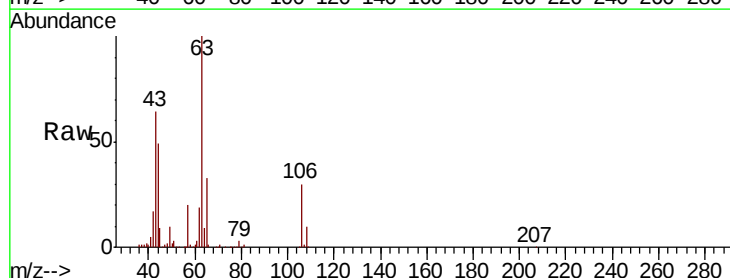
Manual Integrations  
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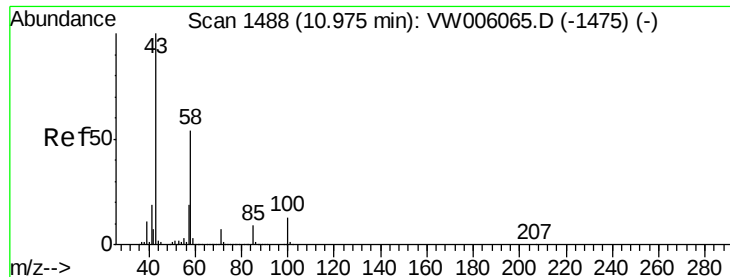
apatel  
 10/17/2018 10:04:53 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 240.516 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

Tgt Ion: 63 Resp: 221792  
 Ion Ratio Lower Upper  
 63 100  
 106 31.3 24.5 36.7





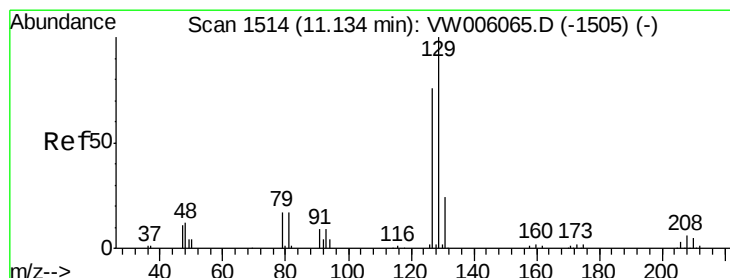
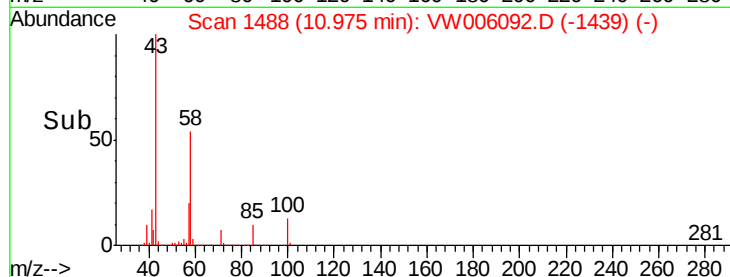
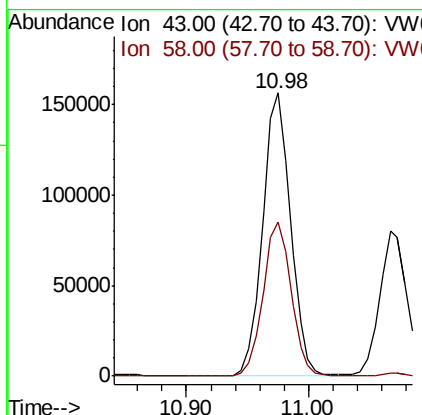
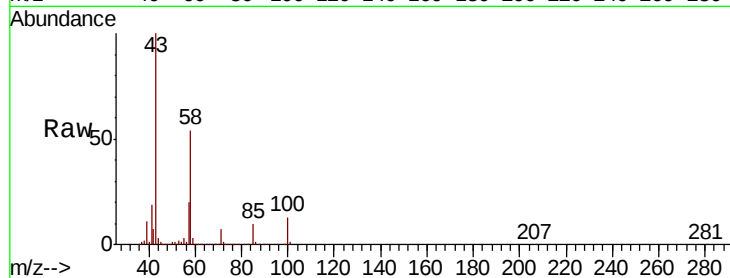
#59  
2-Hexanone  
Concen: 243.992 ug/l  
RT: 10.98 min Scan# 1488  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43.00 | Resp | 249271 |
|-----------|-------|------|--------|
| Ion Ratio | 43    | 100  |        |
| Lower     | 58    | 54.7 | 26.9   |
| Upper     |       |      | 80.6   |

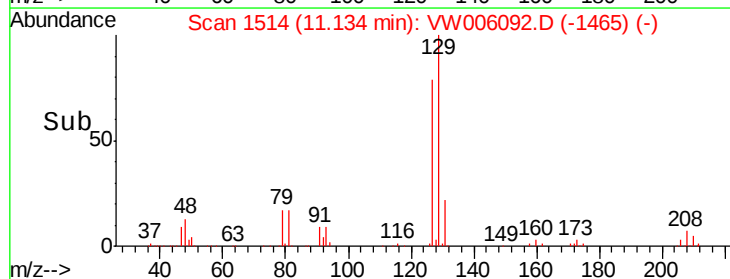
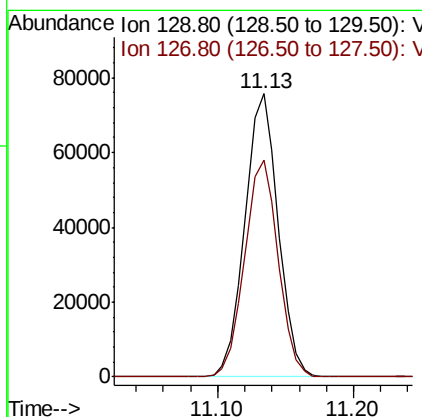
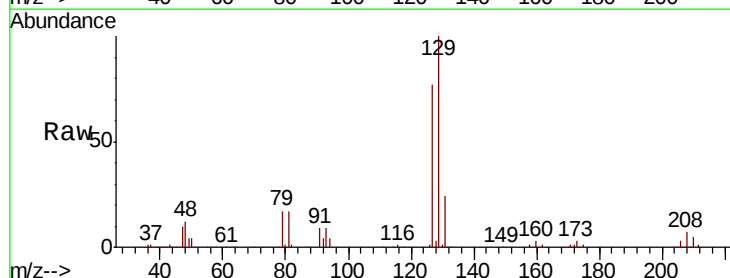
Manual Integrations  
APPROVED

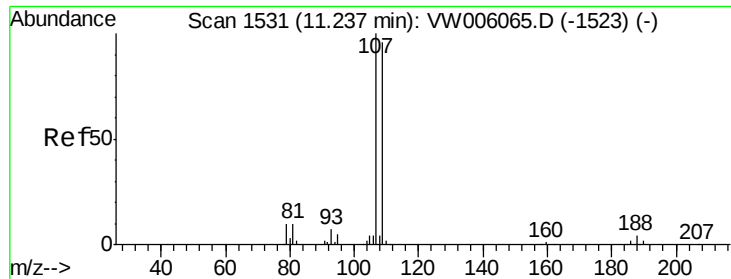
apatel  
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#60  
Dibromochloromethane  
Concen: 52.963 ug/l  
RT: 11.13 min Scan# 1514  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion   | 129 | Resp | 129868 |
|-----------|-----|------|--------|
| Ion Ratio | 129 | 100  |        |
| Lower     | 127 | 77.4 | 38.6   |
| Upper     |     |      | 115.7  |





#61

1,2-Dibromoethane

Concen: 52.570 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 103403

Ion Ratio Lower Upper

107 100

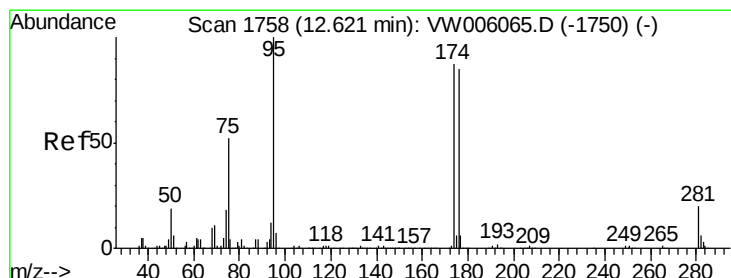
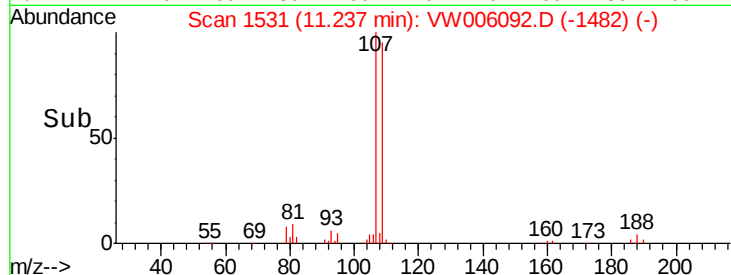
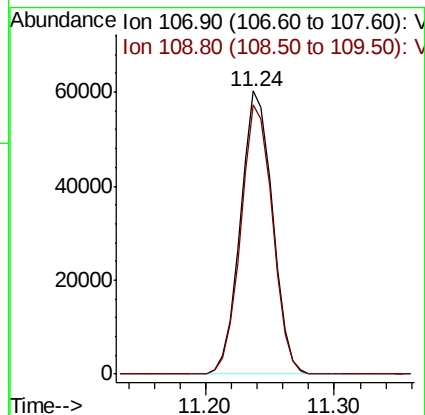
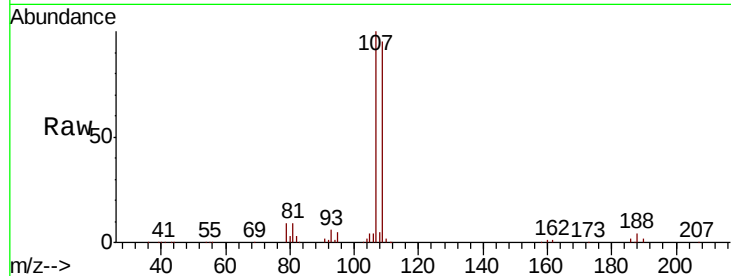
109 94.5 76.3 114.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.242 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

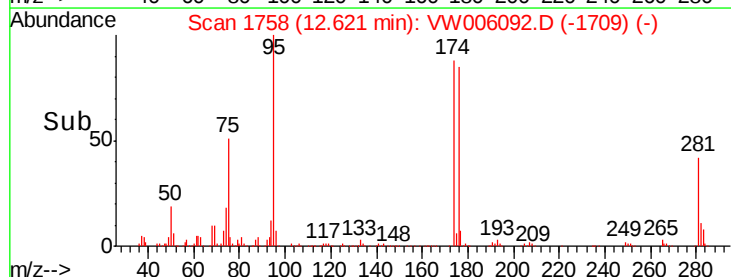
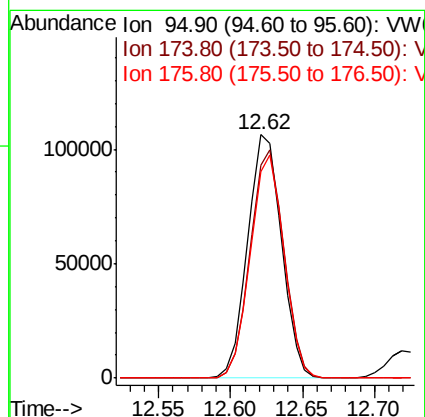
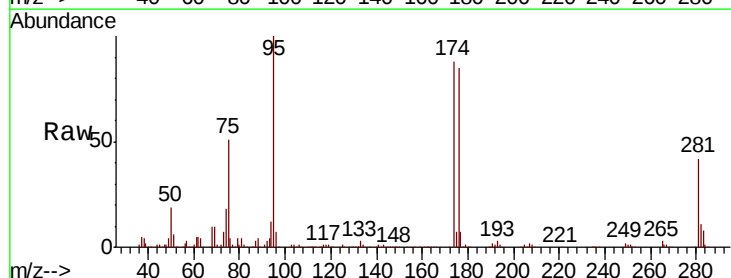
Tgt Ion: 95 Resp: 173059

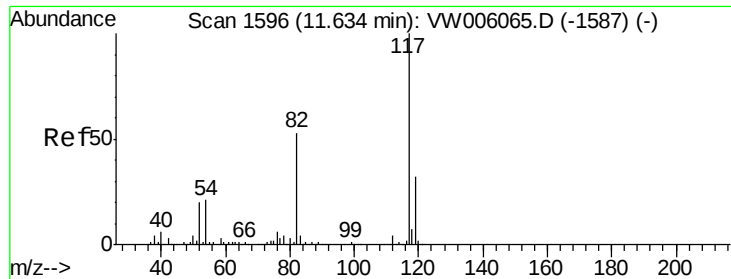
Ion Ratio Lower Upper

95 100

174 93.1 0.0 186.0

176 90.6 0.0 181.6





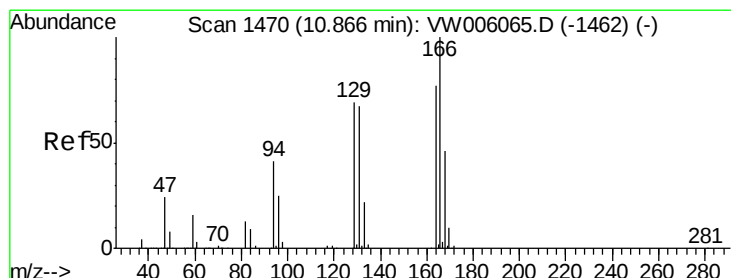
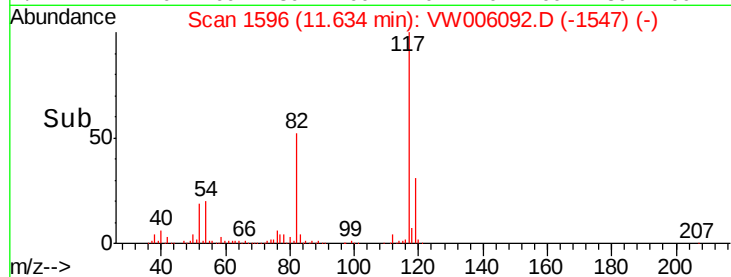
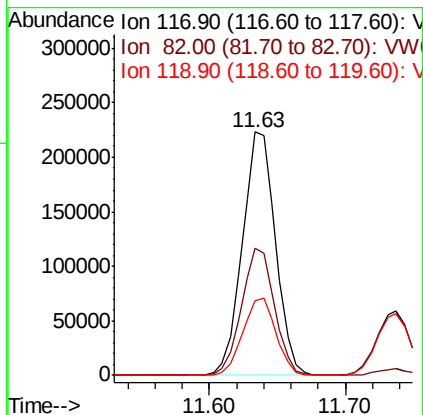
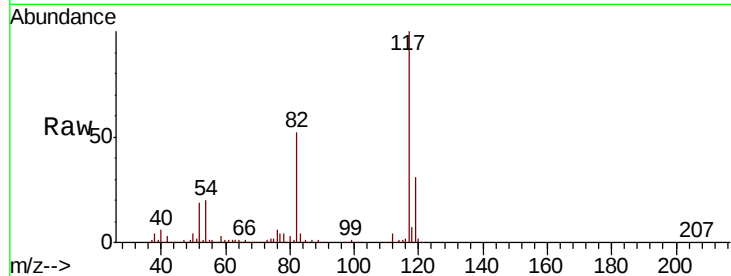
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 379961 |       |       |
| 82      | 52.3  |        | 42.1  | 63.1  |
| 119     | 30.8  |        | 25.8  | 38.6  |

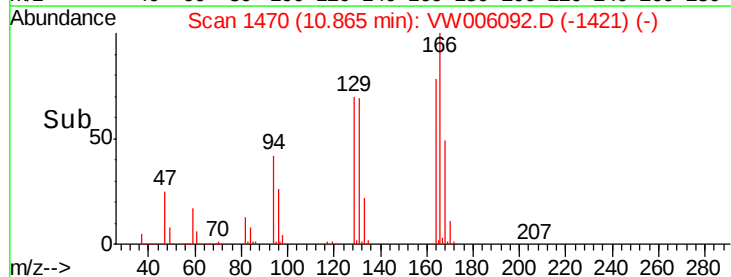
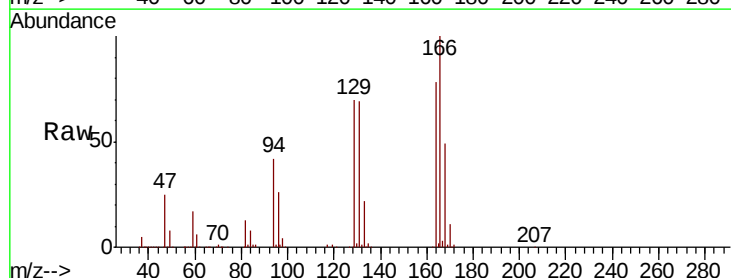
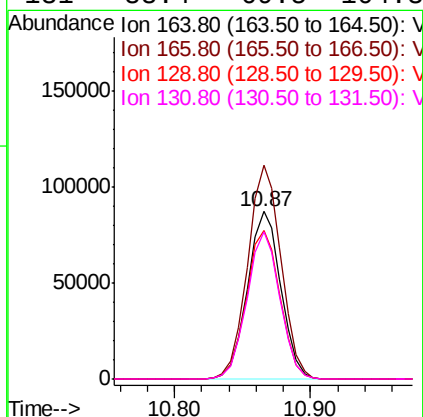
Manual Integrations  
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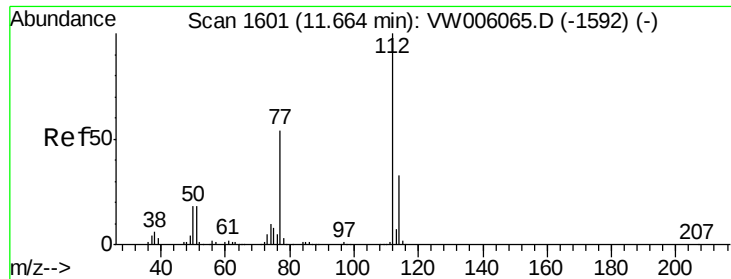
apatel  
10/17/2018 10:04:53 AM



#64  
Tetrachloroethene  
Concen: 50.716 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 149595 |       |       |
| 166     | 127.8 |        | 103.4 | 155.0 |
| 129     | 88.9  |        | 71.8  | 107.8 |
| 131     | 88.4  |        | 69.5  | 104.3 |





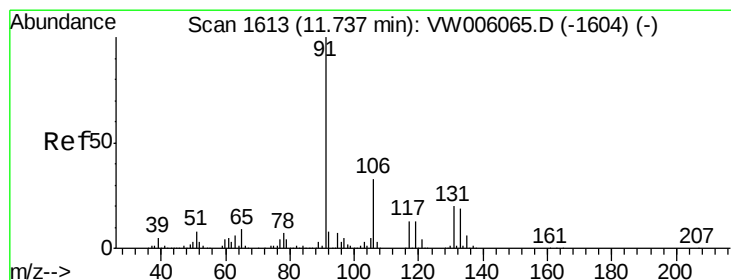
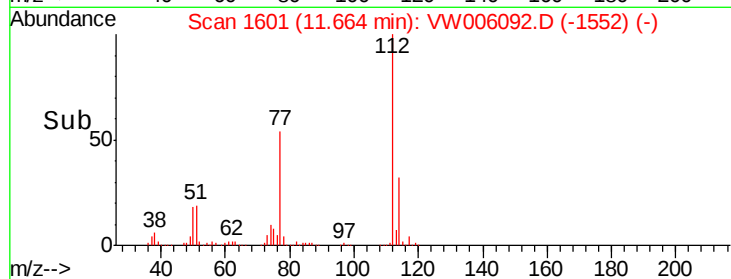
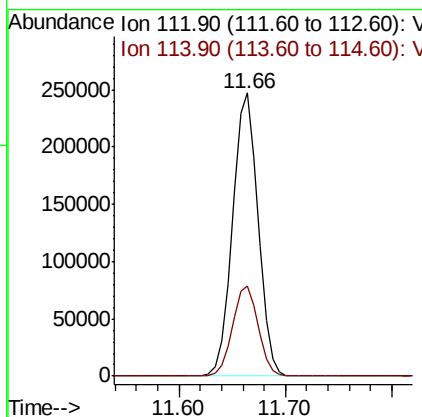
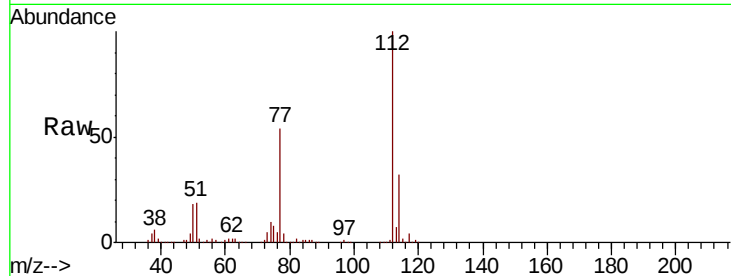
#65  
Chlorobenzene  
Concen: 51.126 ug/l  
RT: 11.66 min Scan# 1601  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.7  | 26.2  | 39.2  |

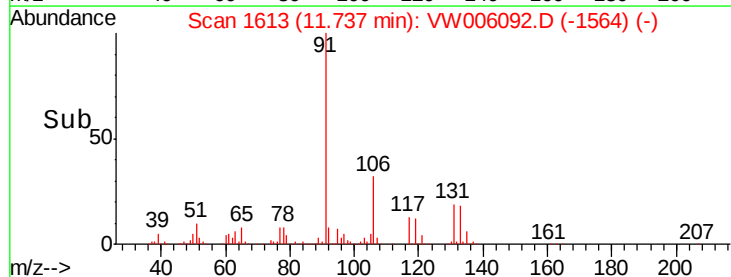
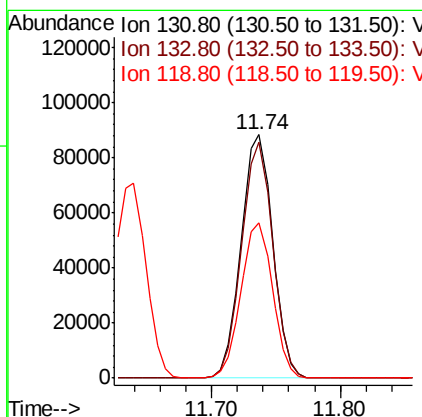
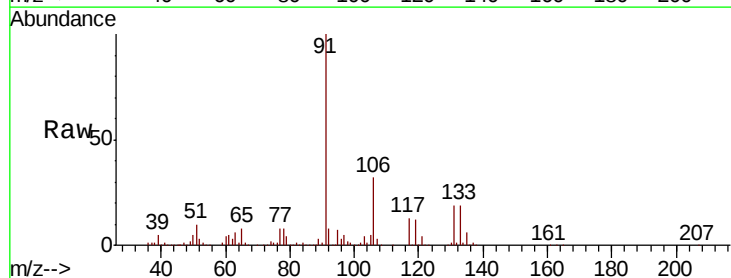
Manual Integrations  
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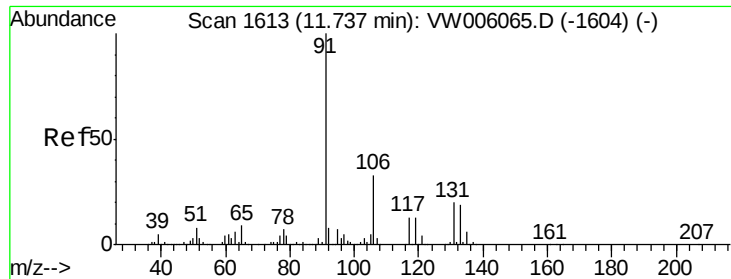
apatel  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.950 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.6  | 48.1  | 144.3 |
| 119     | 64.1  | 31.6  | 94.7  |





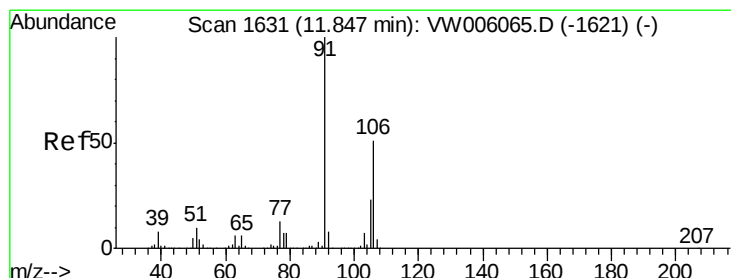
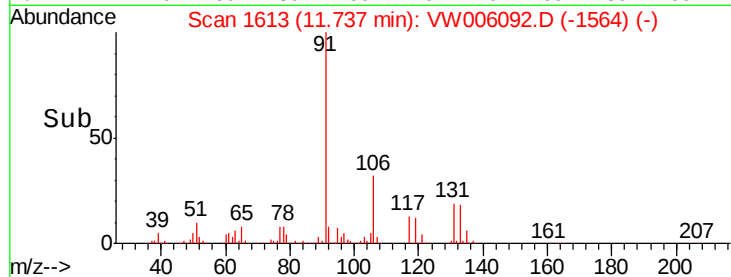
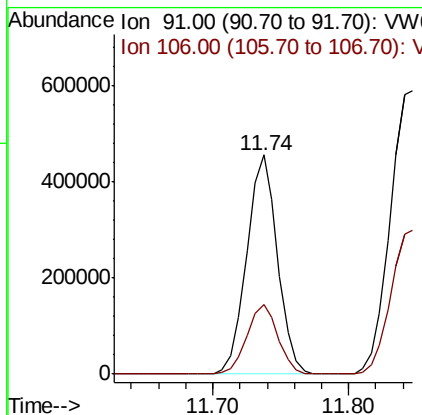
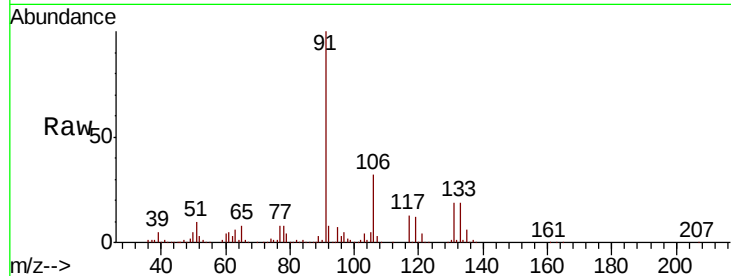
#67  
Ethyl Benzene  
Concen: 51.064 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 719805  
Ion Ratio Lower Upper  
91 100  
106 31.7 26.1 39.1

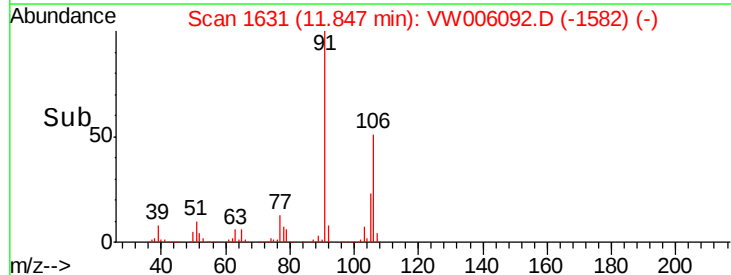
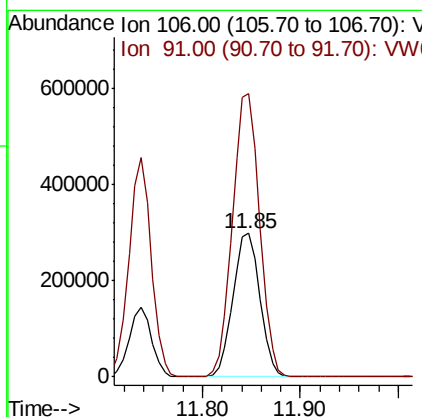
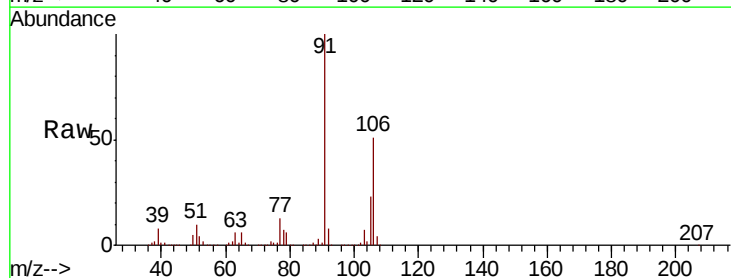
Manual Integrations  
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#68  
m/p-Xylenes  
Concen: 102.240 ug/l  
RT: 11.85 min Scan# 1631  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Tgt Ion: 106 Resp: 569639  
Ion Ratio Lower Upper  
106 100  
91 198.4 159.1 238.7





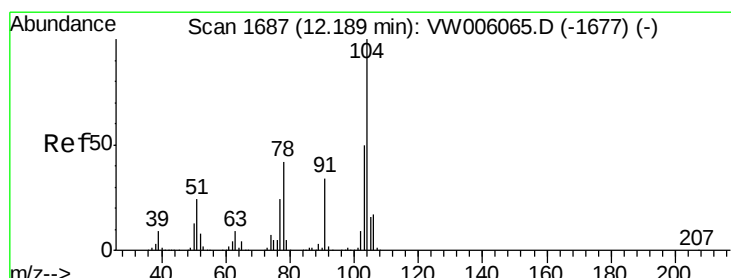
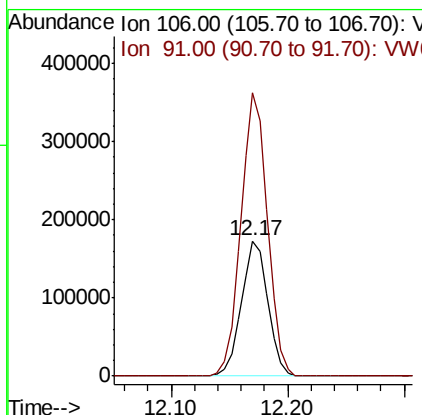
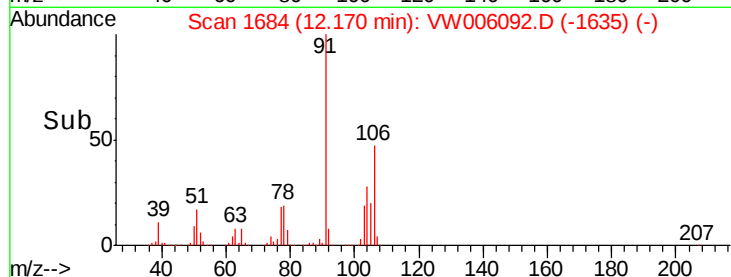
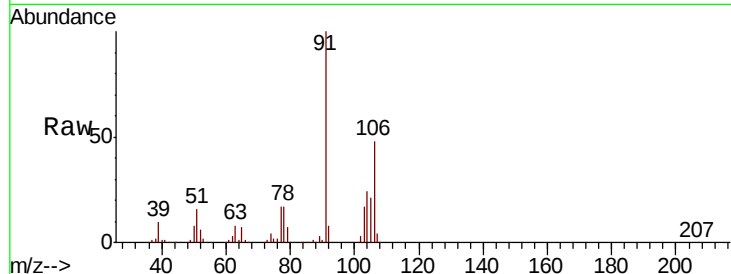
#69  
o-Xylene  
Concen: 51.686 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 274444 |       |       |
| 91      | 209.7 | 105.4 | 316.1  |       |       |

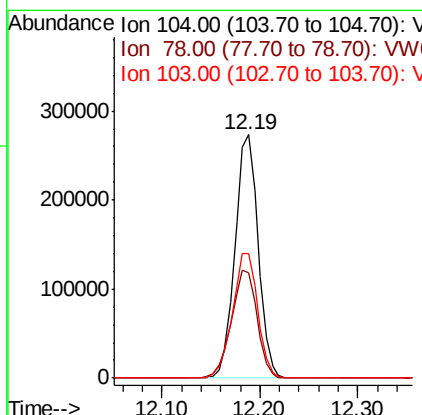
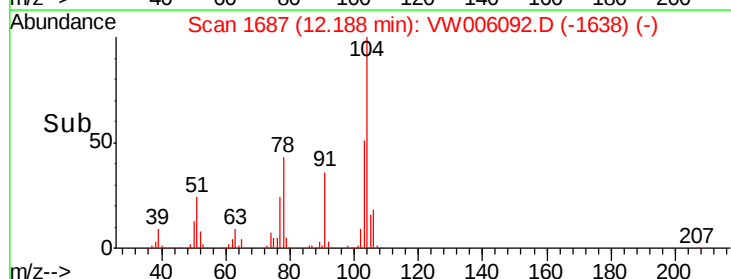
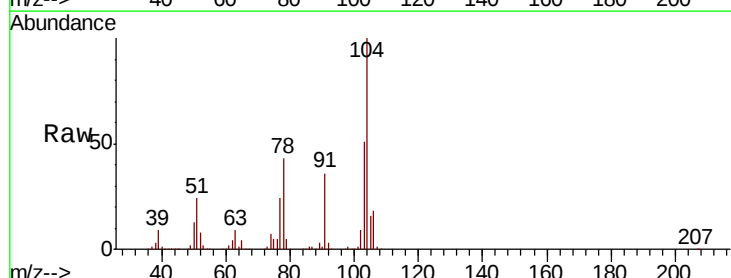
Manual Integrations  
APPROVED

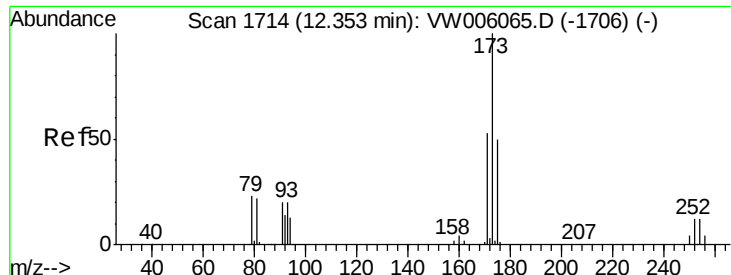
apatel  
10/17/2018 10:04:53 AM



#70  
Styrene  
Concen: 51.960 ug/l  
RT: 12.19 min Scan# 1687  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 448650 |       |       |
| 78      | 49.1 | 39.1  | 58.7   |       |       |
| 103     | 55.8 | 44.3  | 66.5   |       |       |





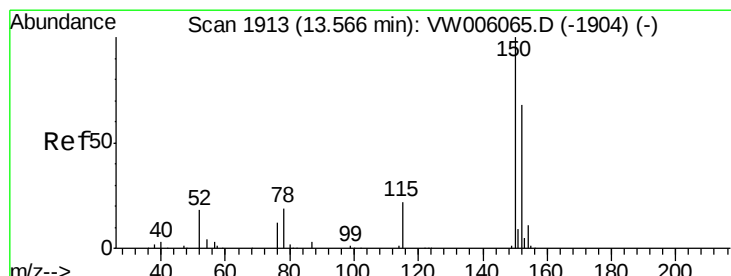
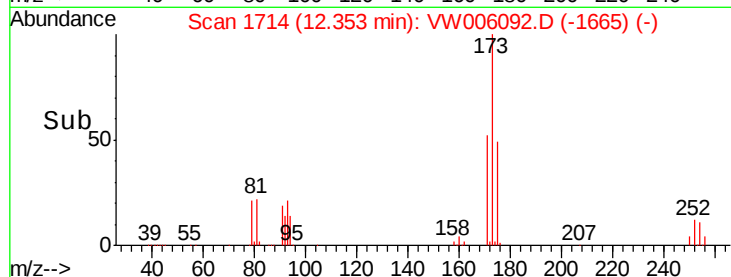
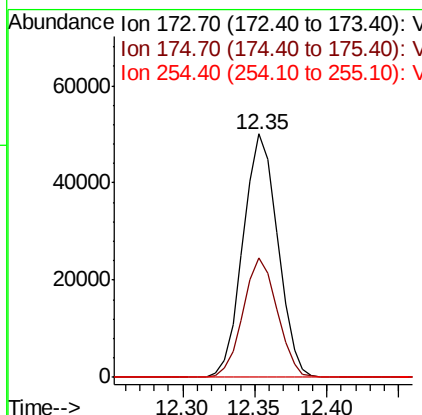
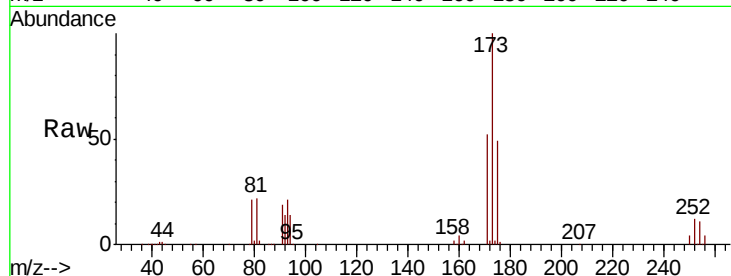
#71  
Bromoform  
Concen: 51.884 ug/l  
RT: 12.35 min Scan# 1714  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.4  | 24.2  | 72.6  |
| 254     | 0.1   | 0.1   | 0.1   |

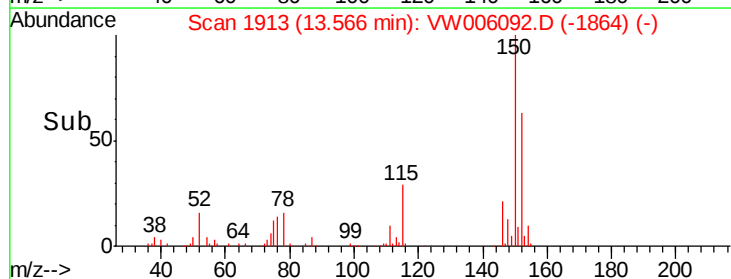
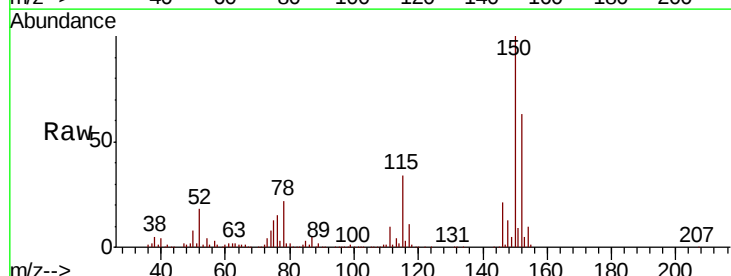
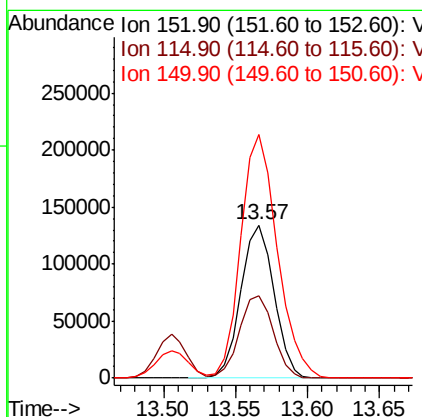
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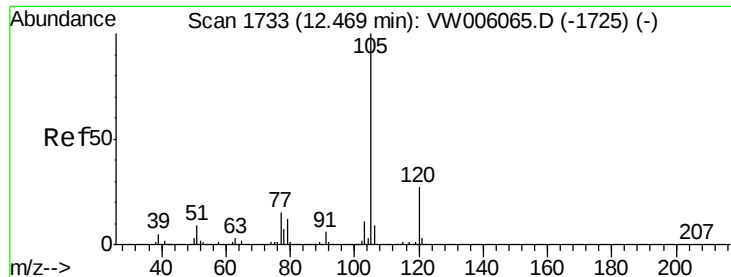
apatel  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.3  | 27.8  | 83.3  |
| 150     | 175.9 | 0.0   | 349.2 |





#73

Isopropylbenzene

Concen: 50.474 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 763059

Ion Ratio Lower Upper

105 100

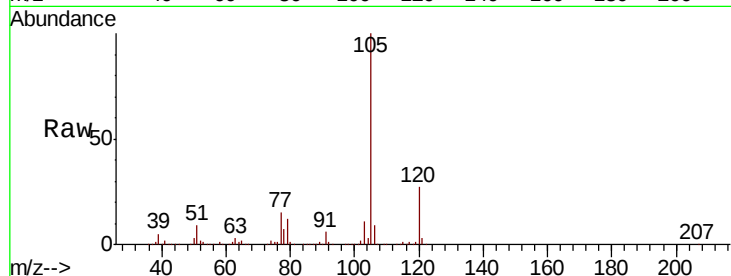
120 27.4 13.6 40.7

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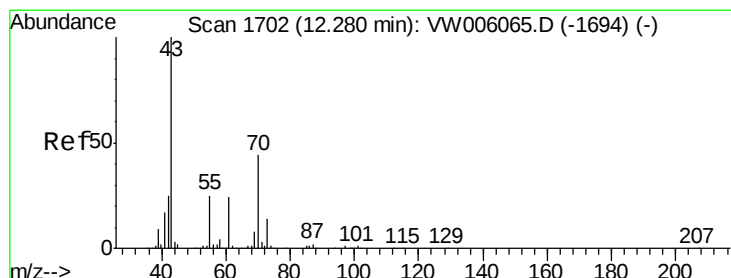
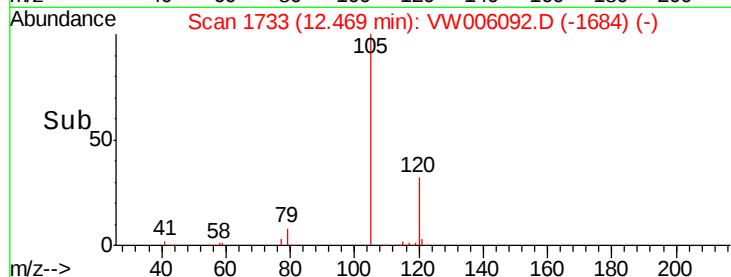
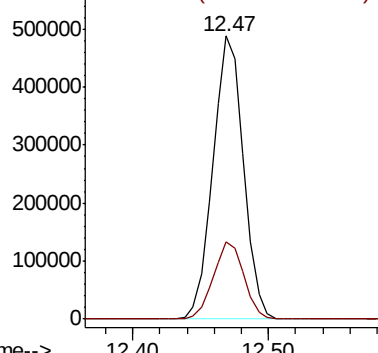
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.808 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Tgt Ion: 43 Resp: 146251

Ion Ratio Lower Upper

43 100

70 43.8 34.2 51.4

55 24.6 19.2 28.8

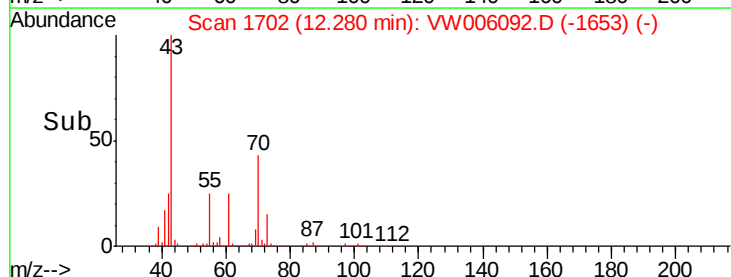
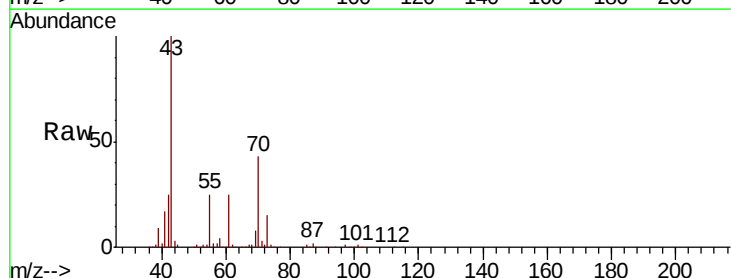
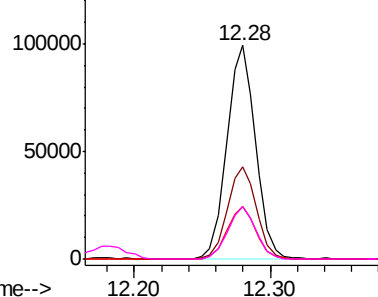
61 24.2 19.0 28.6

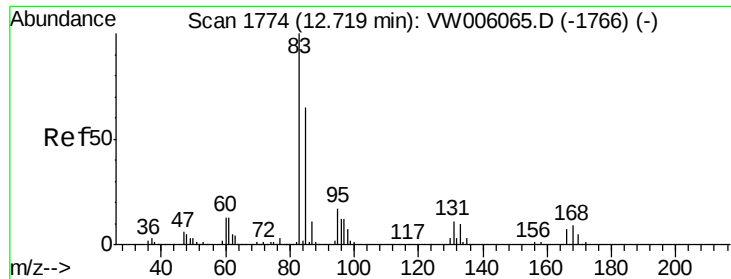
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 51.202 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

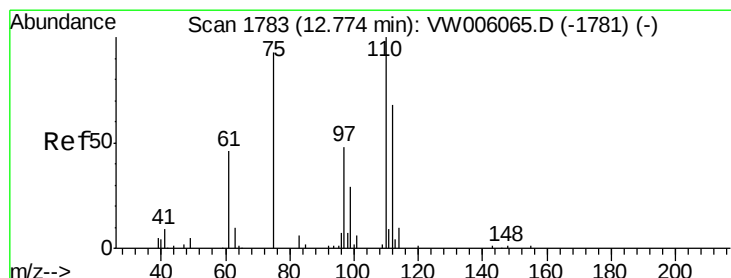
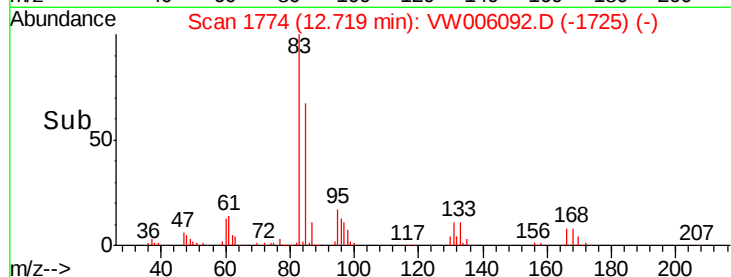
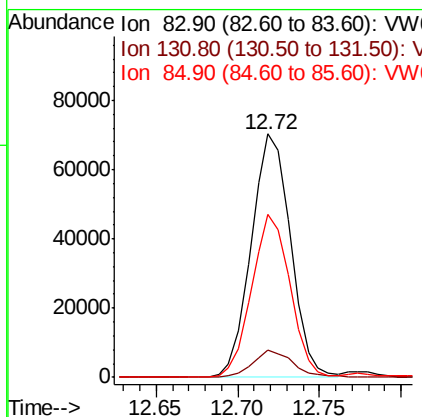
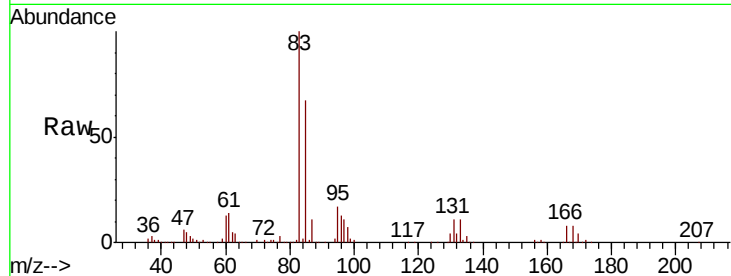
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 117732 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.6  | 5.9   | 17.7   |
| 85        | 65.4  | 31.9  | 95.9   |

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#76

1,2,3-Trichloropropane

Concen: 48.980 ug/l m

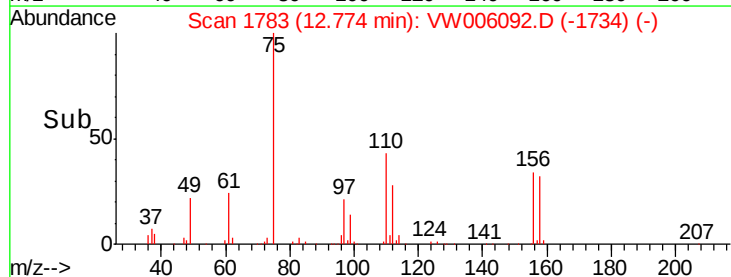
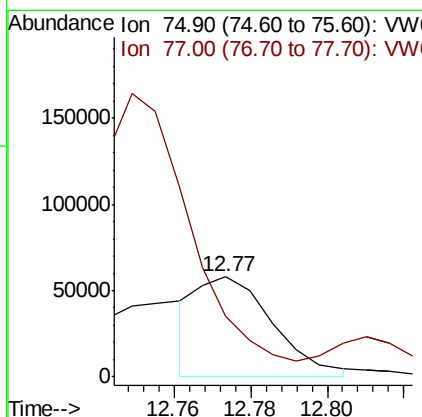
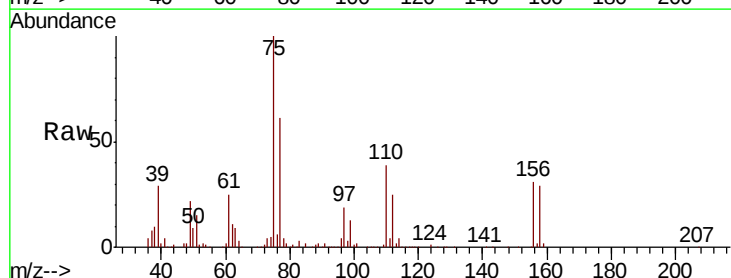
RT: 12.77 min Scan# 1783

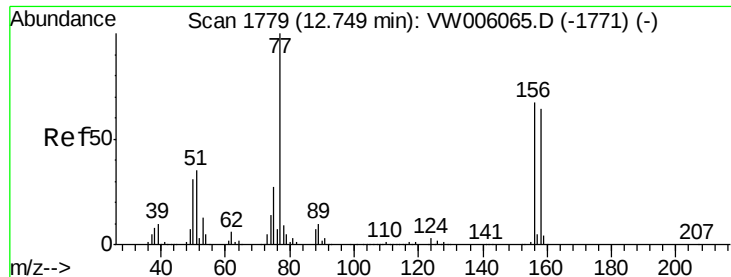
Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 80057 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 51.387 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

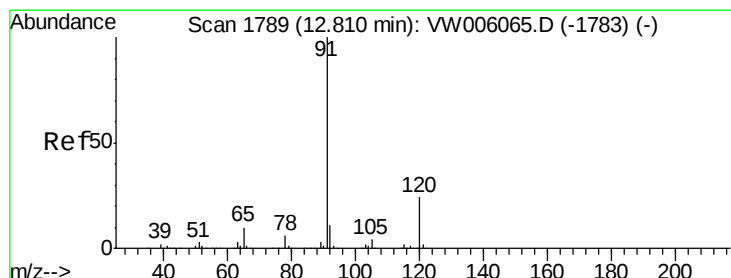
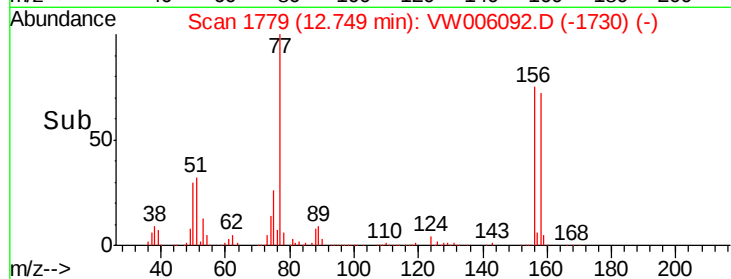
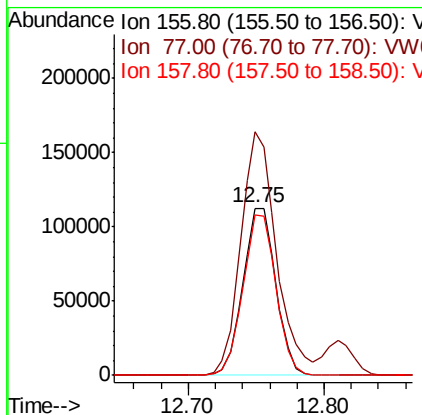
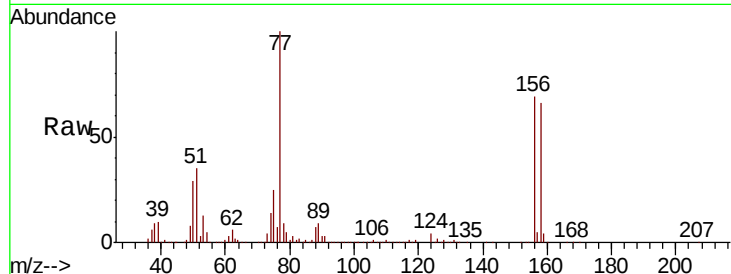
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 190280 |       |       |
| 77      | 157.7 | 79.1  | 237.4  |       |       |
| 158     | 96.5  | 48.5  | 145.6  |       |       |

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#78

n-propylbenzene

Concen: 50.554 ug/l

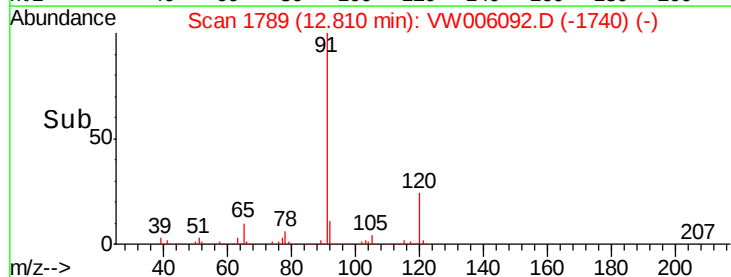
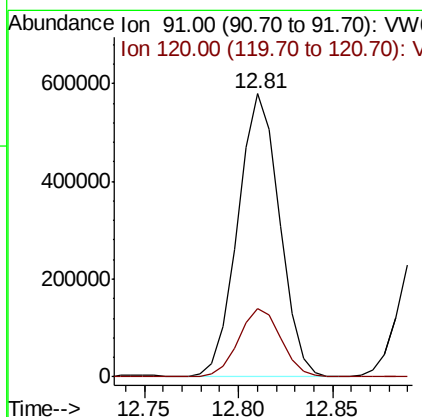
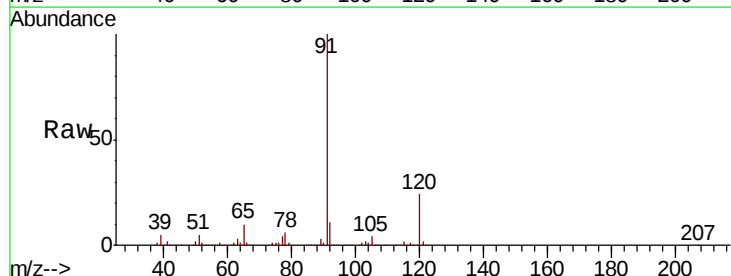
RT: 12.81 min Scan# 1789

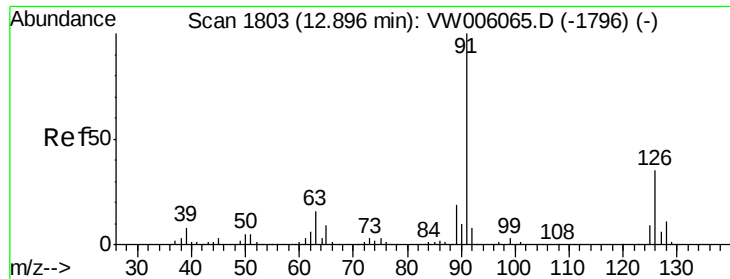
Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 889168 |       |       |
| 120     | 24.4 | 12.2  | 36.6   |       |       |





#79

2-Chlorotoluene

Concen: 51.402 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 507970

Ion Ratio Lower Upper

91 100

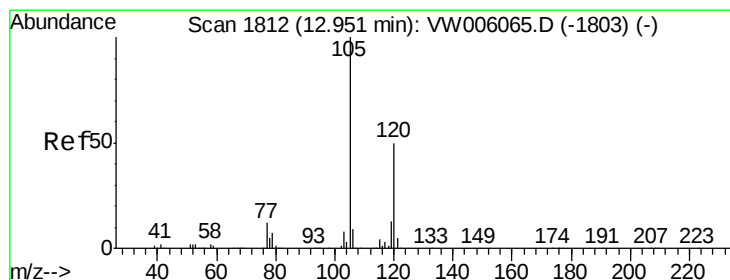
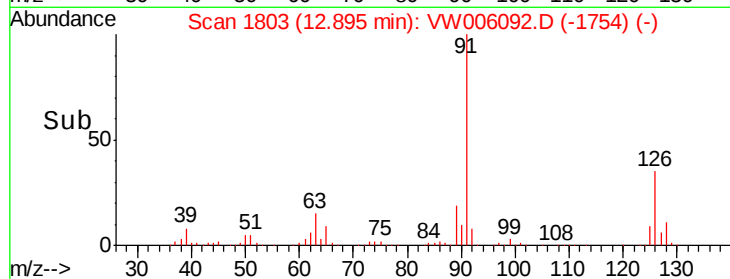
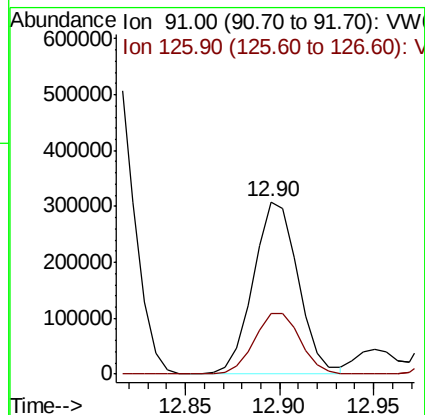
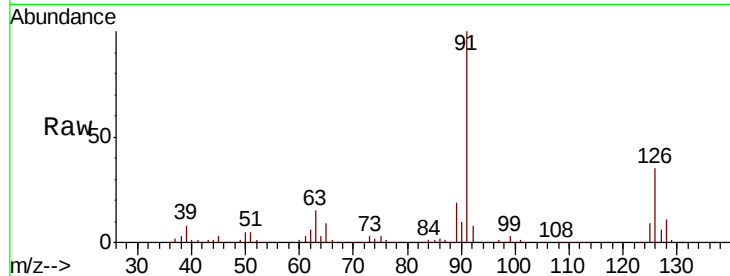
126 36.1 17.9 53.8

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#80

1,3,5-Trimethylbenzene

Concen: 51.072 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006092.D

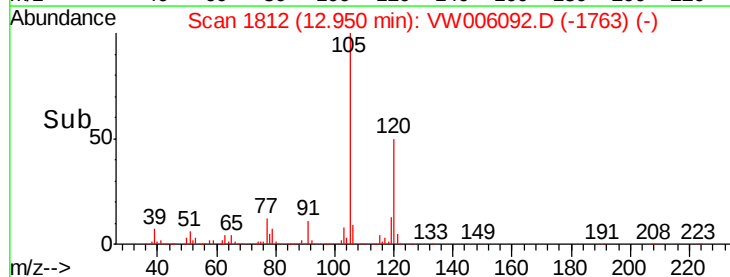
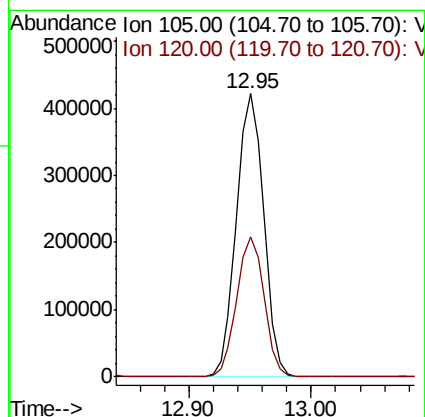
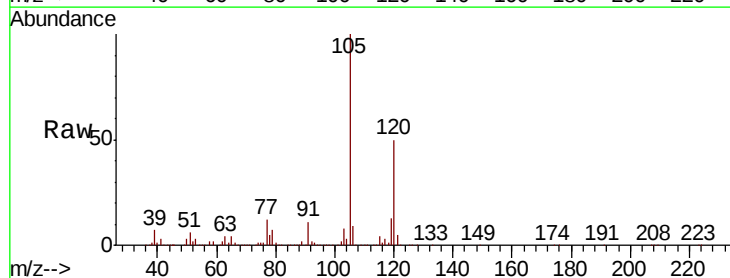
Acq: 16 Oct 2018 21:28

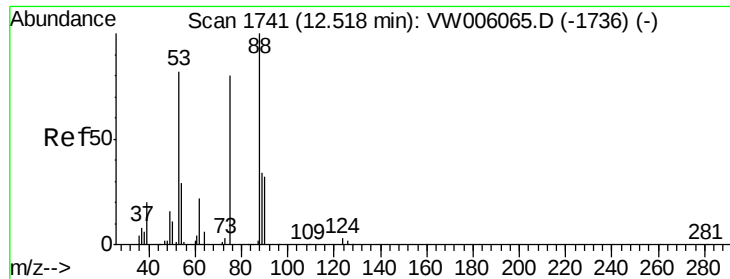
Tgt Ion:105 Resp: 650894

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.478 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 33148

Ion Ratio Lower Upper

75 100

53 106.6 79.8 119.6

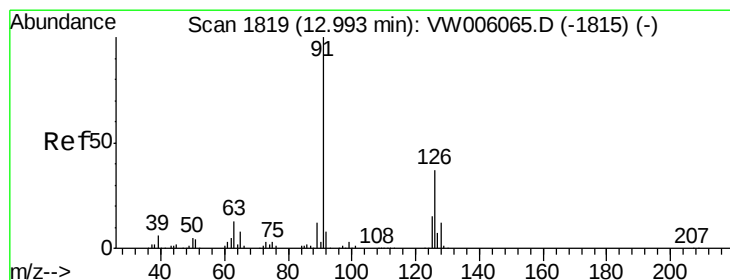
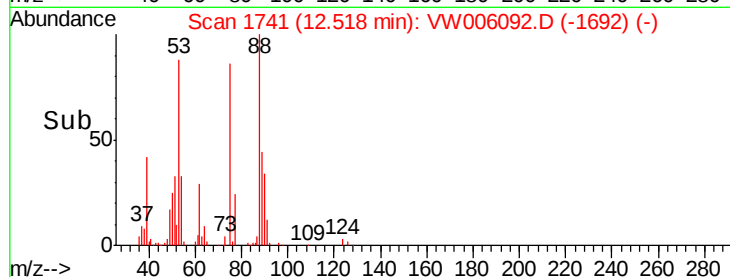
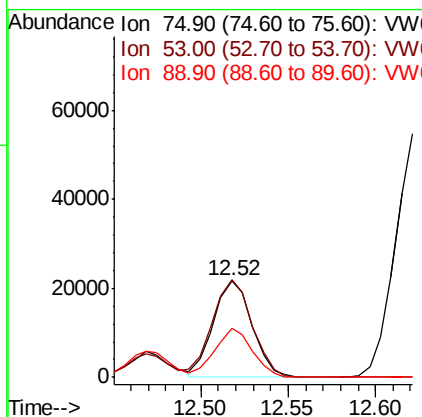
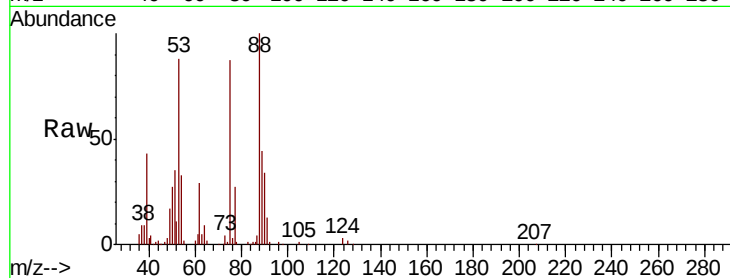
89 49.8 37.5 56.3

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#82

4-Chlorotoluene

Concen: 51.121 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006092.D

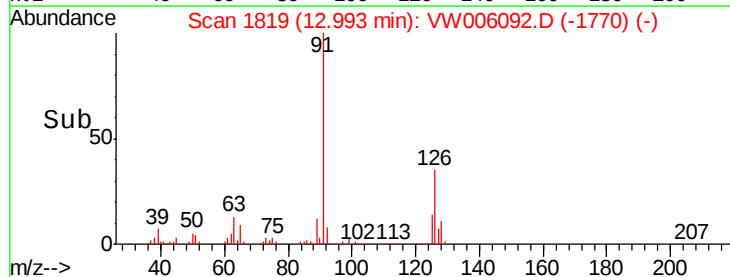
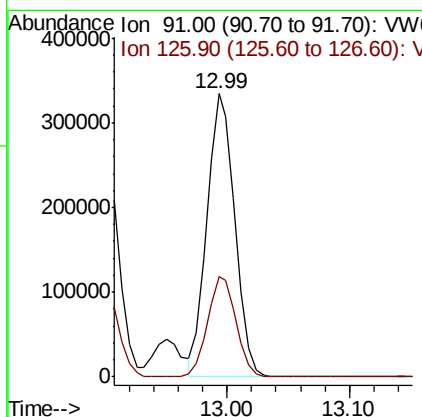
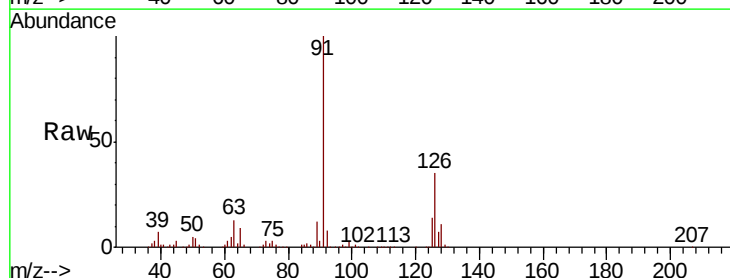
Acq: 16 Oct 2018 21:28

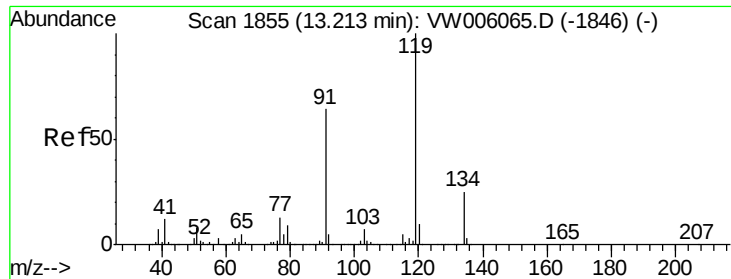
Tgt Ion: 91 Resp: 529197

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.3





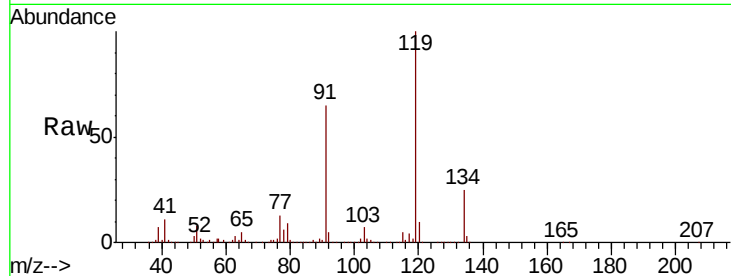
#83  
tert-Butylbenzene  
Concen: 50.883 ug/l  
RT: 13.21 min Scan# 1855  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

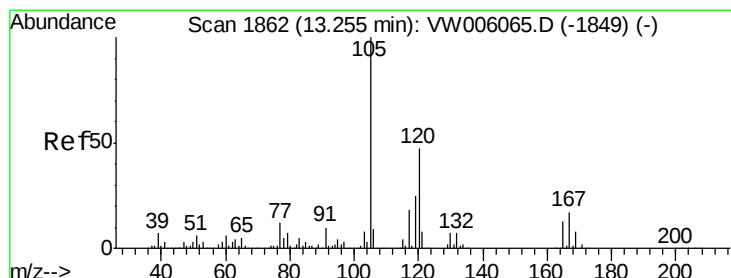
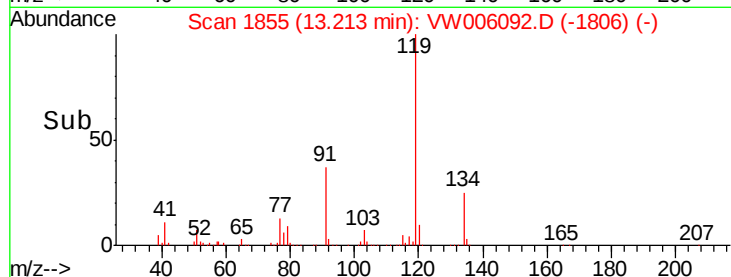
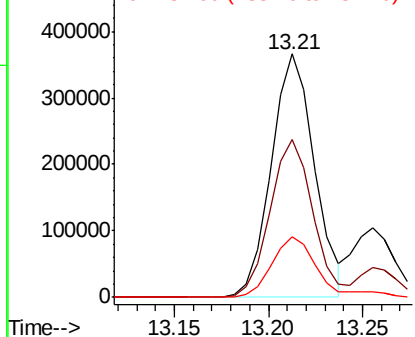
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.8  | 32.3  | 96.9  |
| 134     | 26.9  | 13.6  | 40.8  |

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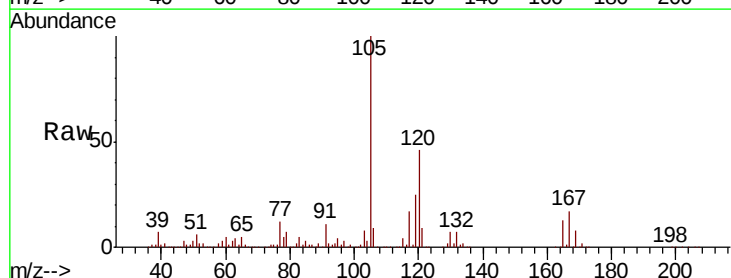


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

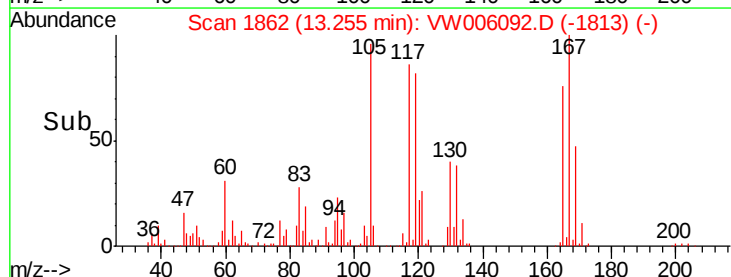
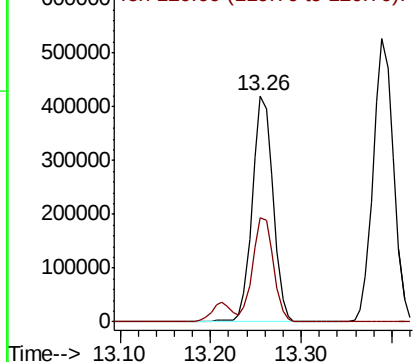


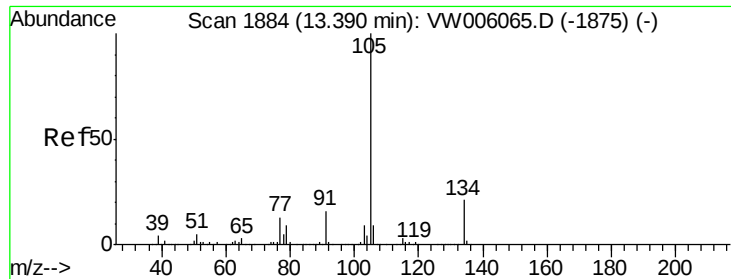
#84  
1,2,4-Trimethylbenzene  
Concen: 51.479 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.1  | 23.1  | 69.3  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.772 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 817882

Ion Ratio Lower Upper

105 100

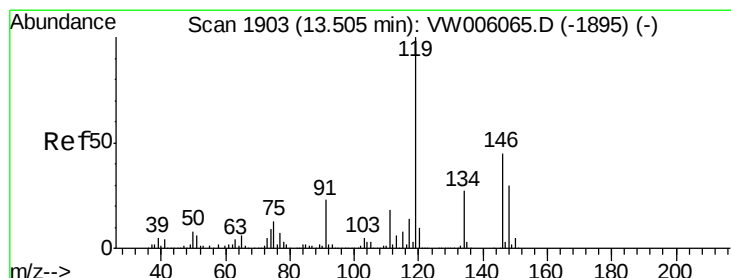
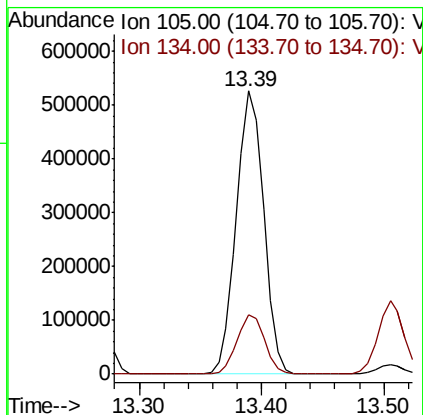
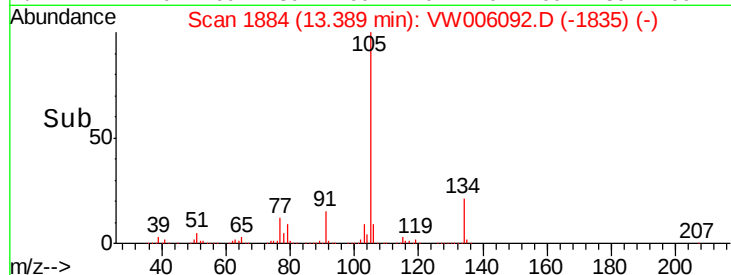
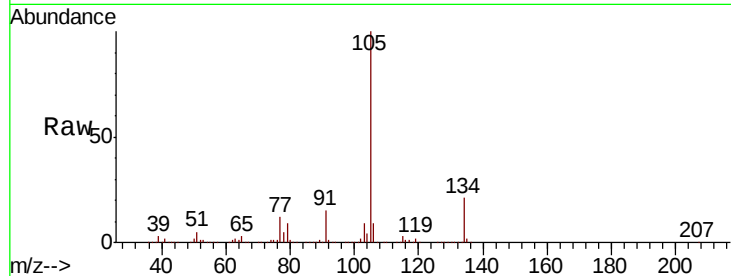
134 21.0 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 50.659 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

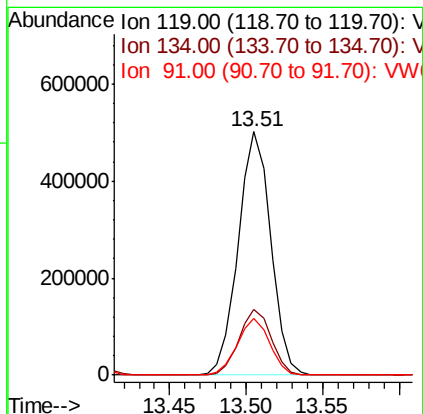
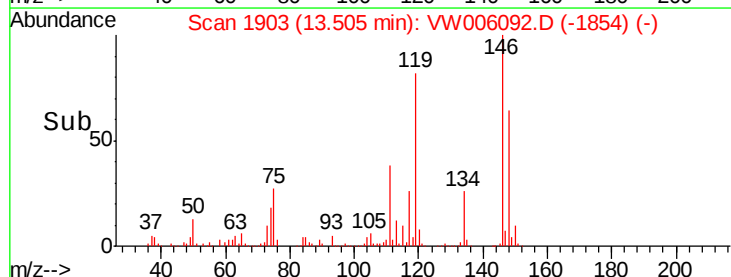
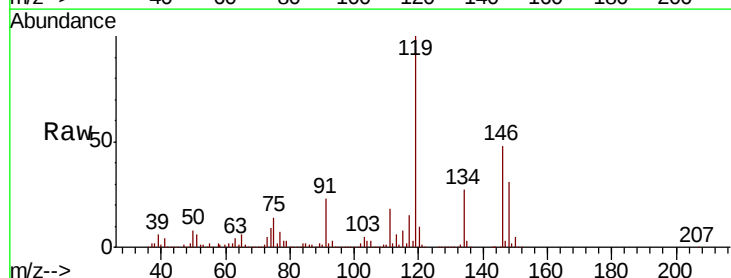
Tgt Ion:119 Resp: 738128

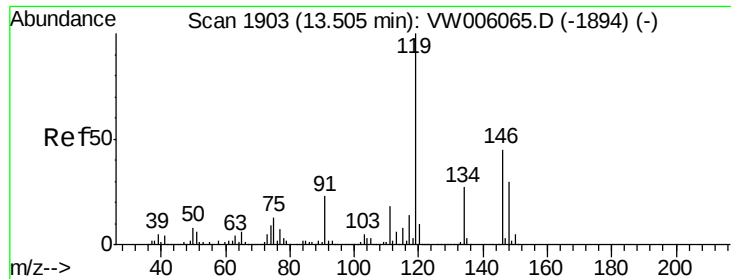
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.9 11.4 34.1





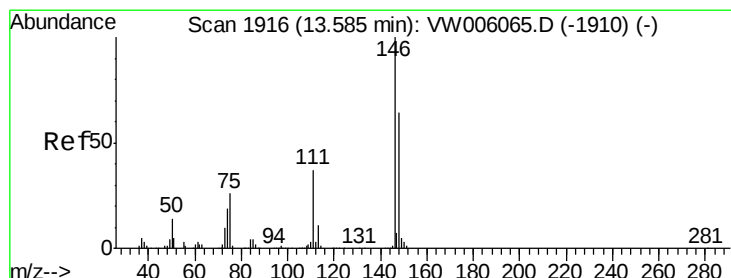
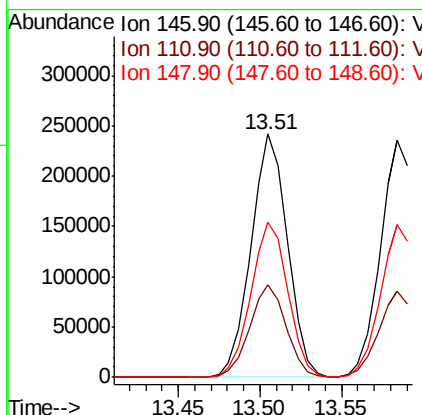
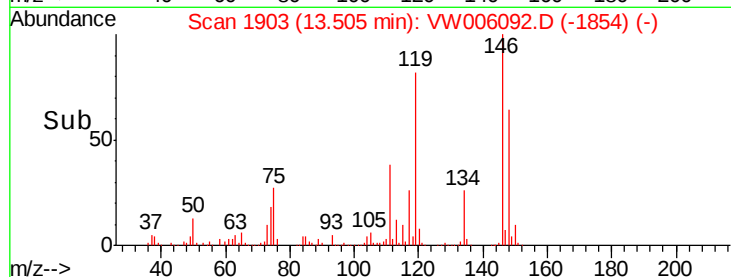
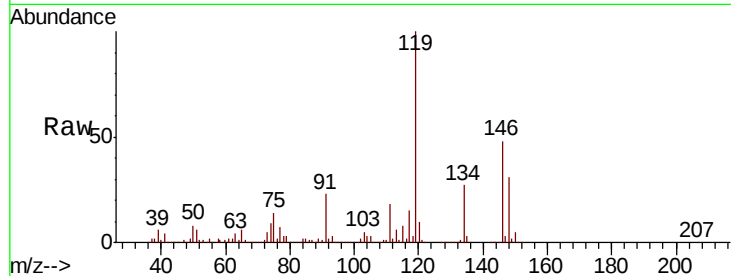
#87  
 1,3-Dichlorobenzene  
 Concen: 51.104 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 19.1  | 57.5  |
| 148     | 64.4  | 32.0  | 96.2  |

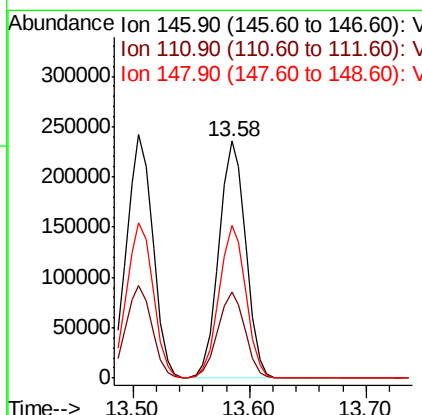
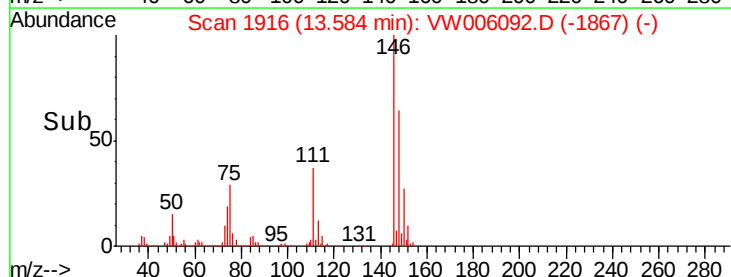
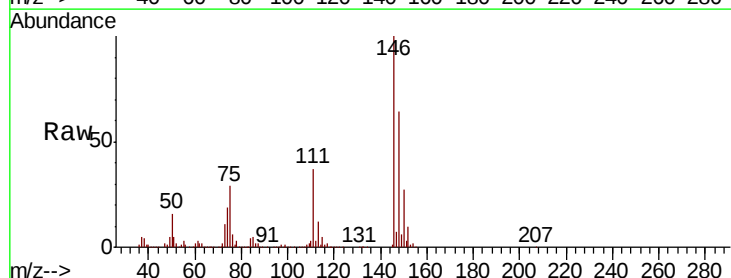
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#88  
 1,4-Dichlorobenzene  
 Concen: 50.909 ug/l  
 RT: 13.58 min Scan# 1916  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.0  | 18.6  | 56.0  |
| 148     | 64.2  | 32.1  | 96.5  |





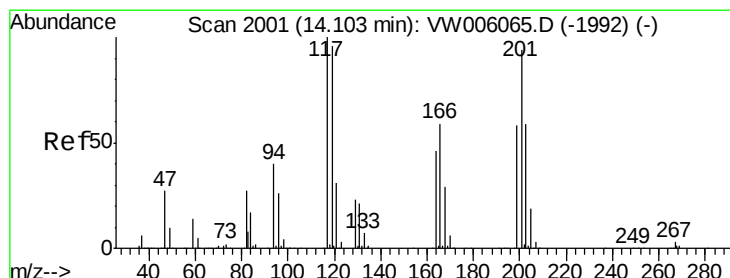
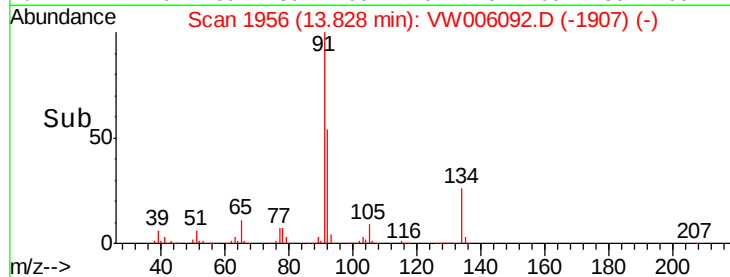
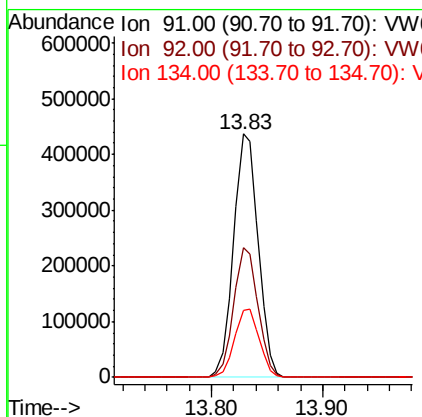
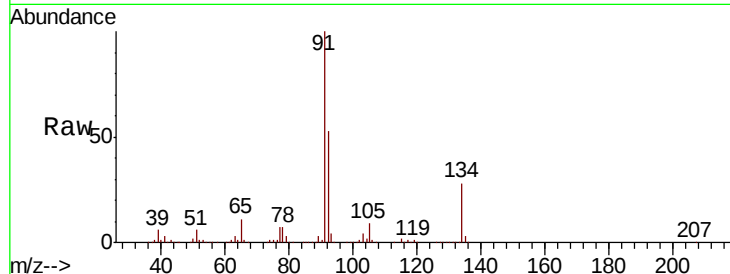
#89  
n-Butylbenzene  
Concen: 50.058 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.6  | 26.6  | 79.7  |
| 134     | 28.1  | 14.0  | 41.9  |

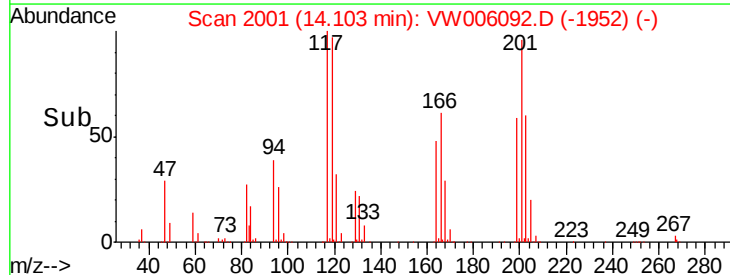
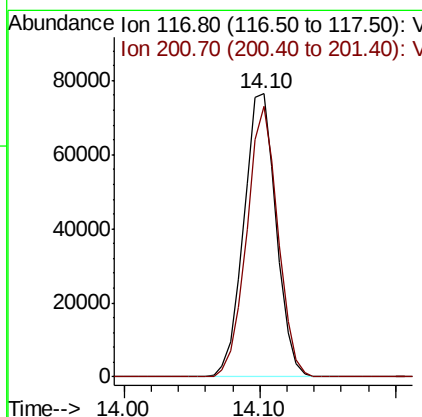
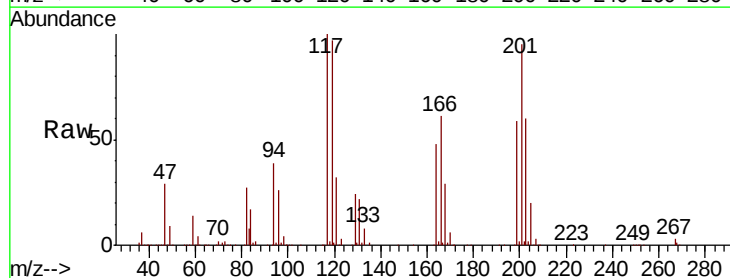
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#90  
Hexachloroethane  
Concen: 51.570 ug/l  
RT: 14.10 min Scan# 2001  
Delta R.T. -0.00 min  
Lab File: VW006092.D  
Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 91.9  | 45.3  | 135.9 |





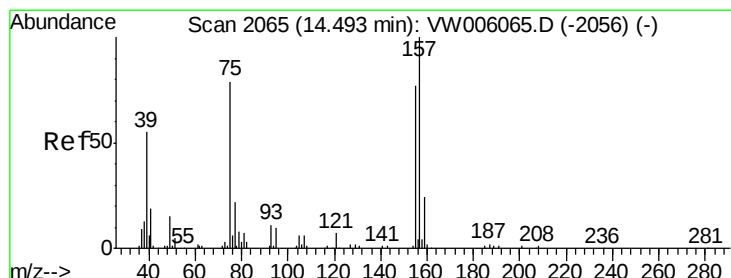
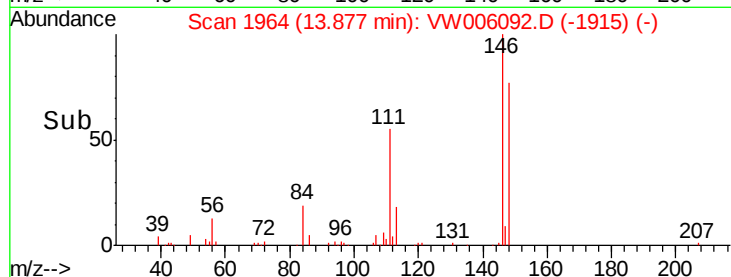
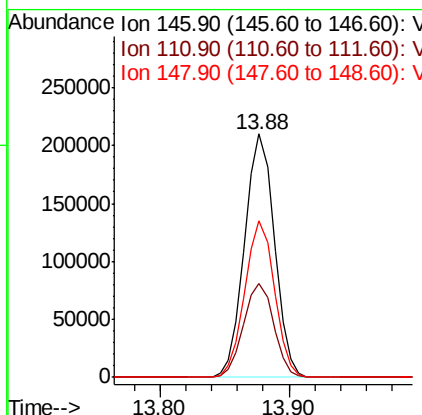
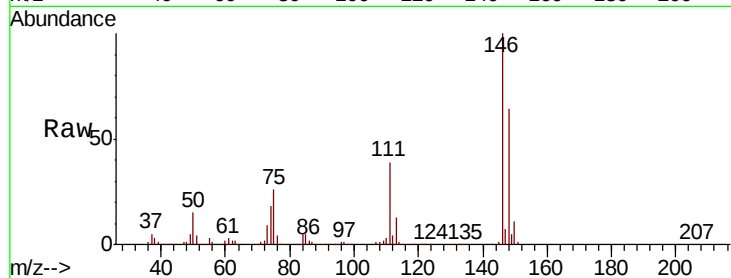
#91  
 1,2-Dichlorobenzene  
 Concen: 51.140 ug/l  
 RT: 13.88 min Scan# 1964  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.6  | 58.7  |
| 148     | 63.8  | 32.2  | 96.6  |

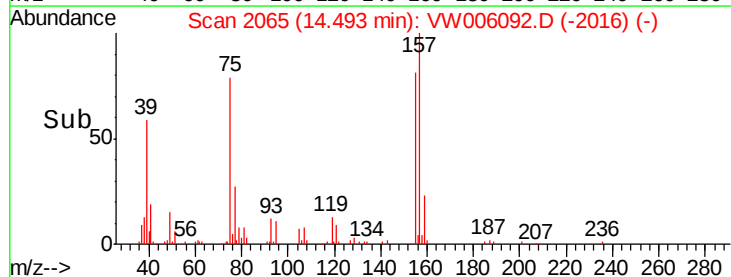
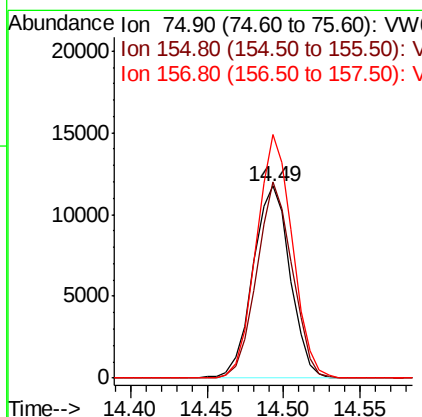
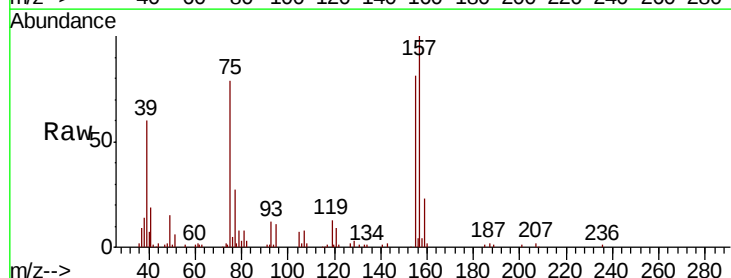
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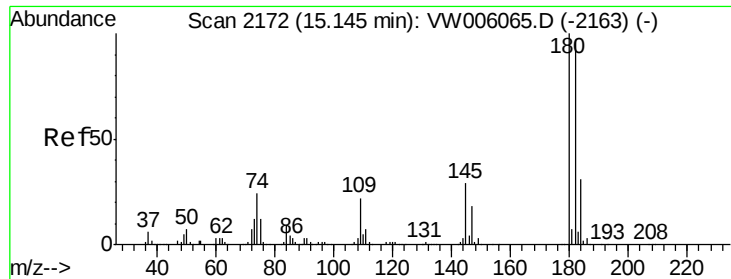
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.132 ug/l  
 RT: 14.49 min Scan# 2065  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 97.3  | 46.5  | 139.5 |
| 157     | 122.9 | 59.8  | 179.4 |





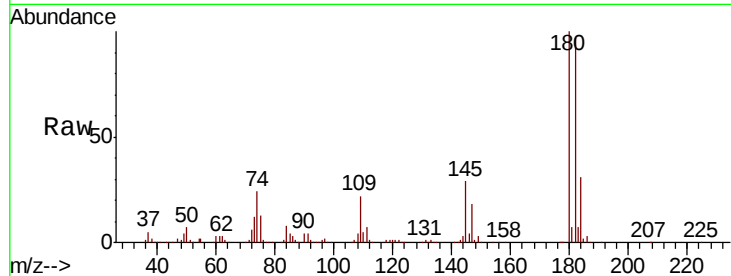
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.533 ug/l  
 RT: 15.15 min Scan# 2172  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 245473 |       |       |
| 182     | 96.2  | 47.9   | 143.6 |       |
| 145     | 29.3  | 14.2   | 42.8  |       |

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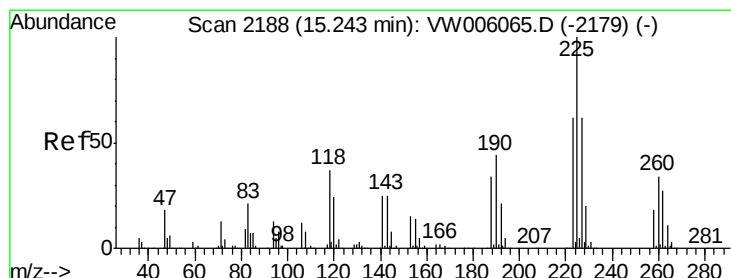
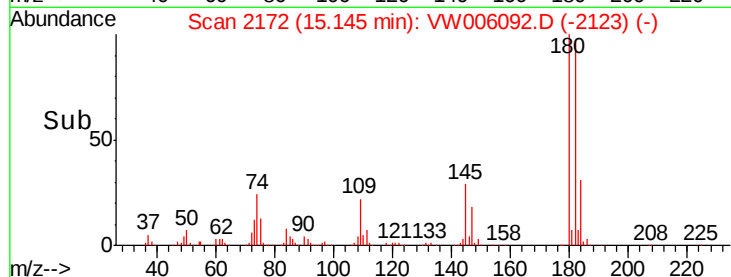
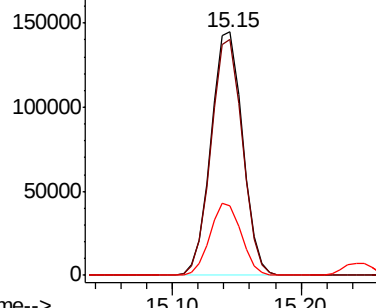


Abundance

Ion 179.80 (179.50 to 180.50): V

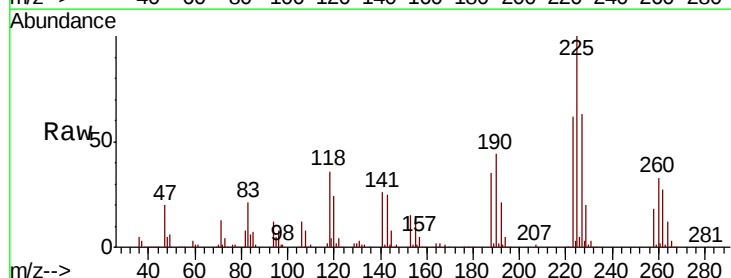
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 49.098 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. -0.00 min  
 Lab File: VW006092.D  
 Acq: 16 Oct 2018 21:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 155999 |       |       |
| 223     | 62.7  | 31.1   | 93.5  |       |
| 227     | 63.3  | 32.4   | 97.0  |       |

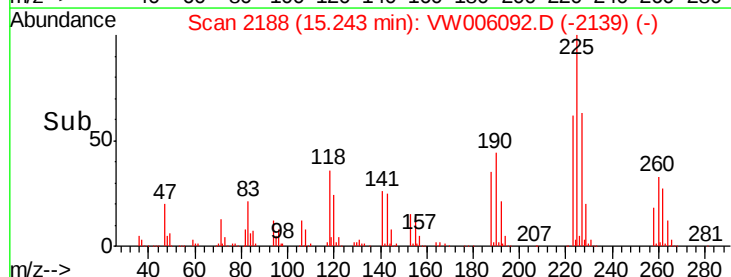
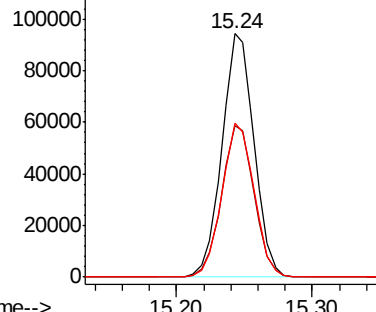


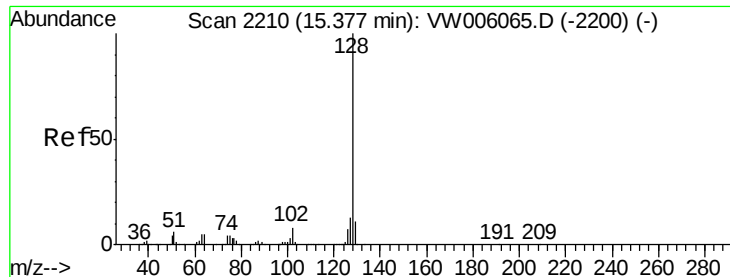
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.537 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

Instrument :

MSVOA\_W

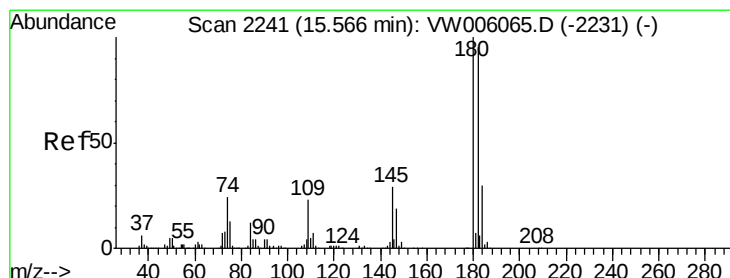
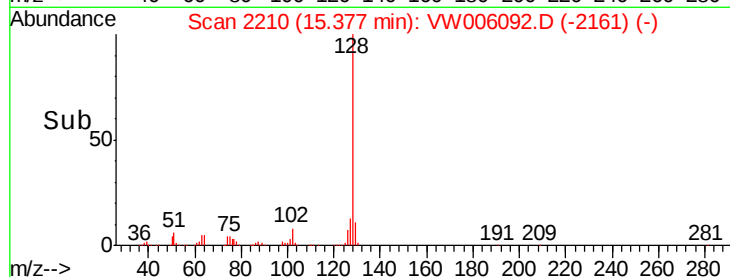
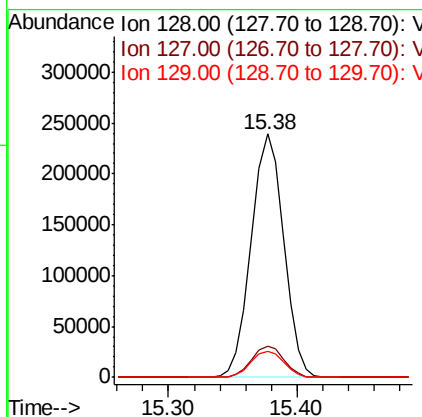
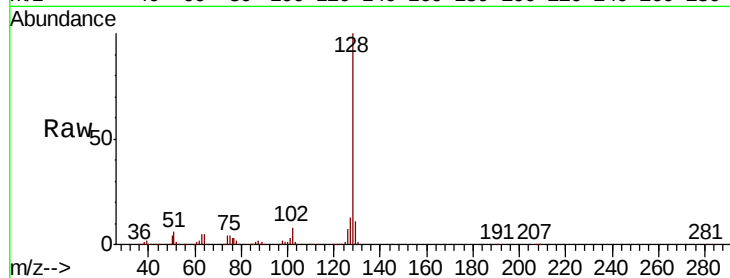
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 416796 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.3  | 15.5   |
| 129       | 10.9  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 49.618 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006092.D

Acq: 16 Oct 2018 21:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 217067 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.4  | 47.8  | 143.3  |
| 145       | 30.1  | 15.0  | 45.1   |

