

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\  
 Data File : VW005543.D  
 Acq On : 20 Sep 2018 21:28  
 Operator : SY/AP  
 Sample : VSTDIC020  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

apatel  
 9/21/2018 4:21:50 PM

Quant Time: Sep 21 05:50:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W092118S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 04:37:21 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 228507   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 340377   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 314111   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 177511   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 52531    | 21.41 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 42.82% |      |
| 35) Dibromofluoromethane  | 7.89   | 113 | 41235    | 20.93 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 41.86% |      |
| 50) Toluene-d8            | 10.33  | 98  | 173813   | 19.78 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 39.56% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 64449    | 20.04 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 40.08% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 29969  | 14.245  | ug/l   | 95     |
| 3) Chloromethane              | 2.21 | 50  | 36713  | 14.341  | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.37 | 62  | 45003  | 18.135  | ug/l   | 99     |
| 5) Bromomethane               | 2.78 | 94  | 30057  | 16.494  | ug/l   | 99     |
| 6) Chloroethane               | 2.93 | 64  | 28466  | 19.250  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 35068  | 11.278  | ug/l   | 94     |
| 8) Diethyl Ether              | 3.68 | 74  | 21715  | 21.280  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101 | 45111  | 22.573  | ug/l   | 100    |
| 10) Methyl Iodide             | 4.26 | 142 | 66662  | 30.193  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.17 | 59  | 14646  | 86.958  | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 41567  | 22.748  | ug/l   | 94     |
| 13) Acrolein                  | 3.90 | 56  | 12298  | 111.157 | ug/l   | 99     |
| 14) Allyl chloride            | 4.67 | 41  | 70405  | 20.896  | ug/l   | 98     |
| 15) Acrylonitrile             | 5.37 | 53  | 49408  | 106.783 | ug/l   | 99     |
| 16) Acetone                   | 4.12 | 43  | 47117  | 118.147 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.38 | 76  | 130974 | 20.787  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 23771  | 20.467  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 61715  | 13.538  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.92 | 84  | 50798  | 17.832  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 45236  | 20.889  | ug/l   | 93     |
| 22) Diisopropyl ether         | 6.32 | 45  | 139465 | 21.170  | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 393758 | 104.625 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 84774  | 21.046  | ug/l   | 99     |
| 25) 2-Butanone                | 7.18 | 43  | 64724  | 111.335 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 59578  | 17.266  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 48990  | 20.789  | ug/l   | 97     |
| 28) Bromochloromethane        | 7.52 | 49  | 33152  | 21.143  | ug/l # | 97     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 40731  | 109.617 | ug/l   | 99     |
| 30) Chloroform                | 7.68 | 83  | 88603  | 21.191  | ug/l   | 93     |
| 31) Cyclohexane               | 7.96 | 56  | 81459  | 21.180  | ug/l # | 88     |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97  | 77893  | 20.396  | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 69685  | 21.282  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 28883  | 21.522  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 73916  | 21.523  | ug/l   | 98     |

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 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
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apatel  
 9/21/2018 4:21:50 PM

Quant Time: Sep 21 05:50:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W092118S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 04:37:21 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 9.34  | 83   | 81689    | 21.517  | ug/l   | 100      |
| 40) Benzene                    | 8.33  | 78   | 196500   | 20.832  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.49  | 41   | 16553    | 20.591  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 62963    | 21.126  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.43  | 43   | 55812    | 21.438  | ug/l   | 99       |
| 44) Trichloroethene            | 9.10  | 130  | 50415    | 20.760  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 47974    | 21.125  | ug/l   | 95       |
| 46) Dibromomethane             | 9.46  | 93   | 24151    | 21.520  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.65  | 83   | 63982    | 21.104  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.45  | 41   | 26585    | 20.645  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 7954     | 435.972 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 142256   | 106.835 | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 123921   | 19.689  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 63090    | 20.783  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 72541    | 21.115  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 34180    | 20.623  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 41061    | 19.791  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 59838    | 20.958  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 91866    | 97.359  | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.98 | 43   | 98744    | 109.278 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 41542    | 20.863  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 31912    | 21.396  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.87 | 164  | 45124    | 19.550  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.66 | 112  | 131552   | 19.636  | ug/l   | 91       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 47336    | 21.619  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.74 | 91   | 238082   | 20.202  | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.85 | 106  | 181127   | 40.025  | ug/l   | 98       |
| 69) o-Xylene                   | 12.17 | 106  | 84337    | 20.019  | ug/l   | 98       |
| 70) Styrene                    | 12.19 | 104  | 143209   | 20.516  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 25405    | 21.963  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.47 | 105  | 240392   | 19.222  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.28 | 43   | 53115    | 20.030  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 39864    | 21.408  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 30007m   | 20.283  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 55297    | 18.762  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.81 | 91   | 296113   | 19.627  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 170688   | 19.247  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 215489   | 19.807  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 13067    | 22.519  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 181427   | 19.364  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 177075   | 19.568  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 216825   | 19.612  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 258996   | 19.806  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 236049   | 20.174  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 117157   | 19.574  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 115405   | 19.607  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 221333   | 20.336  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.10 | 117  | 41294    | 20.432  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 104033   | 19.924  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 7524     | 21.306  | ug/l   | 95       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092118\  
Data File : VW005543.D  
Acq On : 20 Sep 2018 21:28  
Operator : SY/AP  
Sample : VSTDICC020  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

Manual Integrations  
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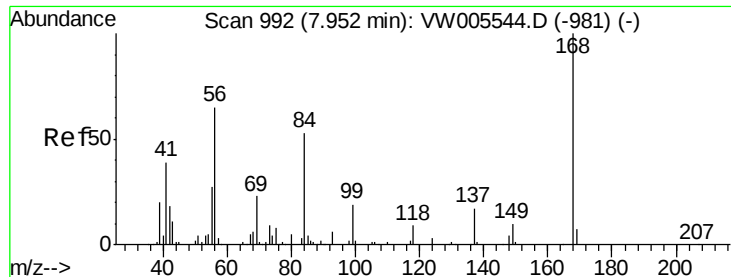
apatel  
9/21/2018 4:21:50 PM

Quant Time: Sep 21 05:50:05 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W092118S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 21 04:37:21 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180  | 73026    | 20.799 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.25 | 225  | 48983    | 21.472 | ug/l  | 99       |
| 95) Naphthalene            | 15.38 | 128  | 120371   | 20.464 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 65679    | 21.352 | ug/l  | 100      |

(#) = 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: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 228507

Ion Ratio Lower Upper

168 100

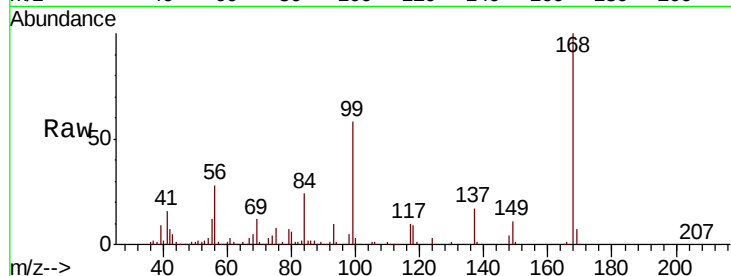
99 57.9 48.4 72.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

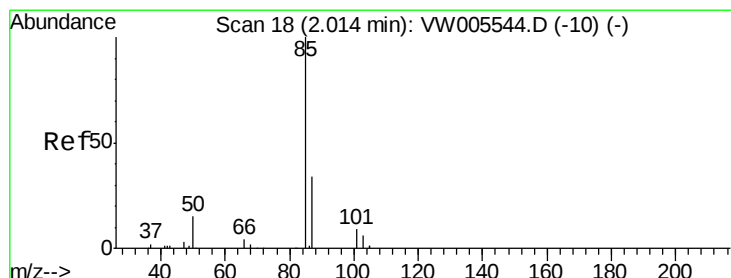
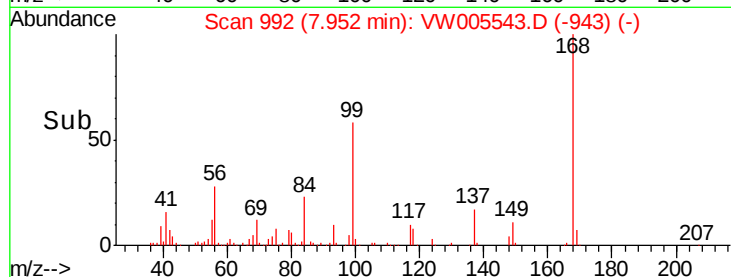
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 14.245 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005543.D

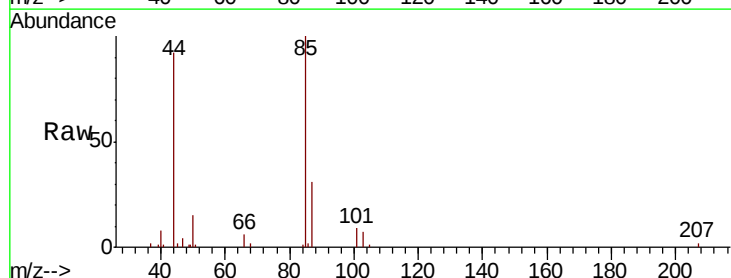
Acq: 20 Sep 2018 21:28

Tgt Ion: 85 Resp: 29969

Ion Ratio Lower Upper

85 100

87 31.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

8000

6000

4000

2000

0

1.90

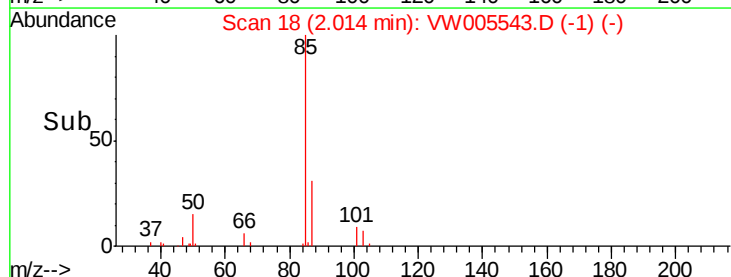
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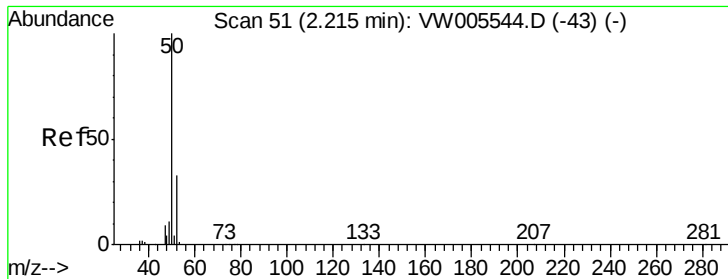
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 14.341 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 36713

Ion Ratio Lower Upper

50 100

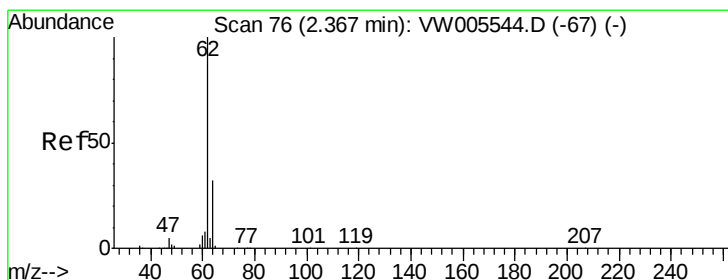
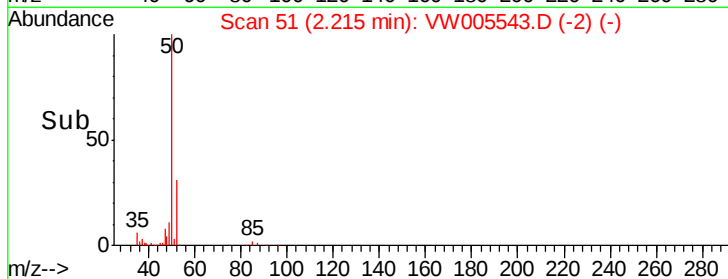
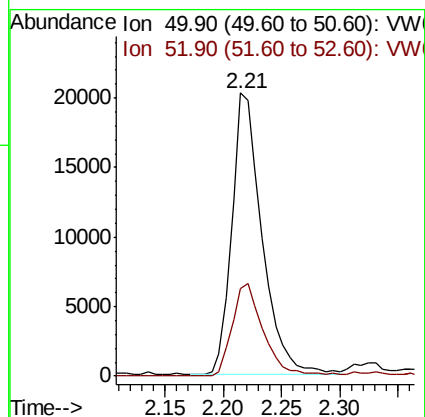
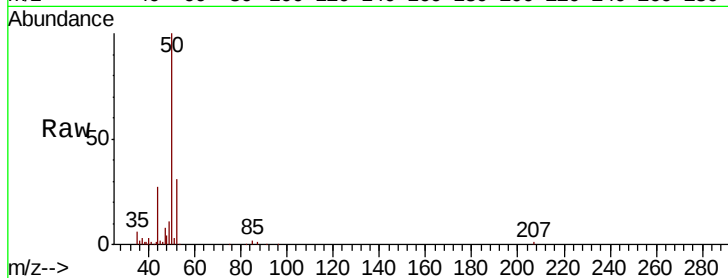
52 30.9 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.135 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005543.D

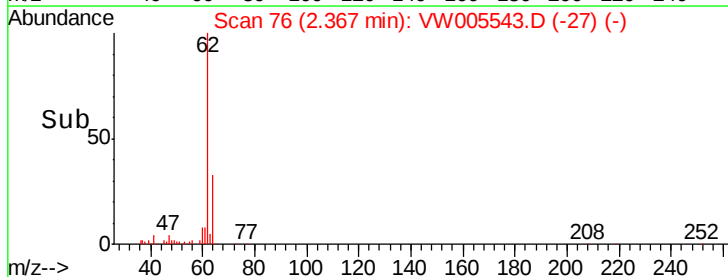
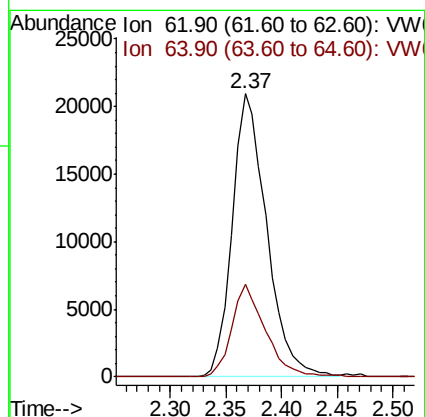
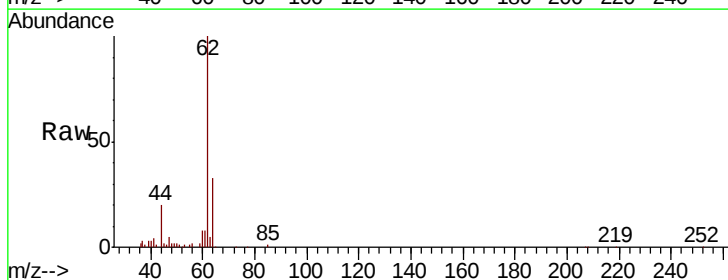
Acq: 20 Sep 2018 21:28

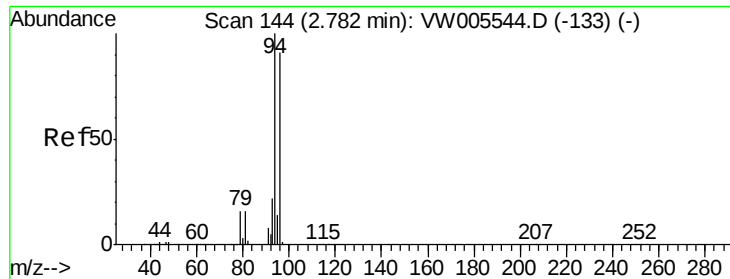
Tgt Ion: 62 Resp: 45003

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 16.494 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 30057

Ion Ratio Lower Upper

94 100

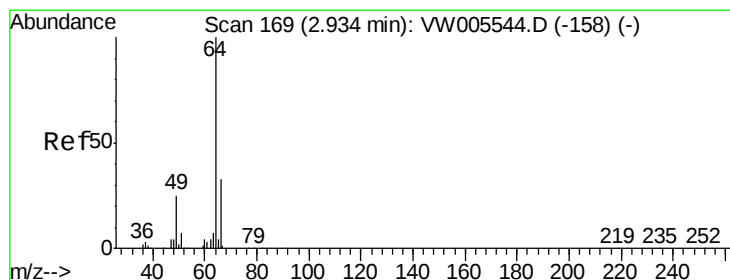
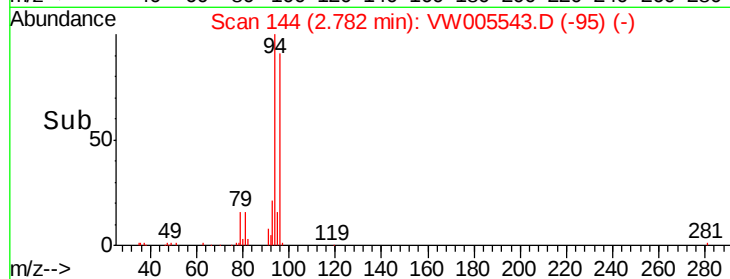
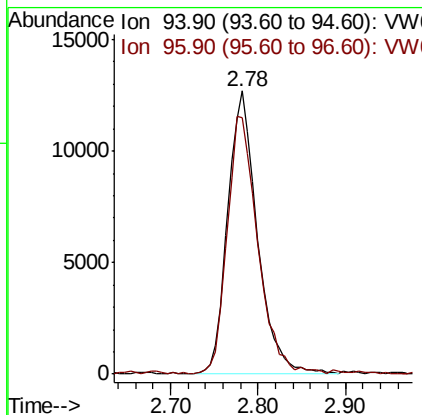
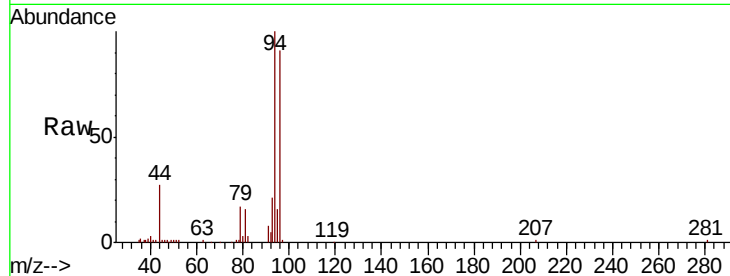
96 90.6 73.1 109.7

Manual Integrations

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9/21/2018 4:21:50 PM



#6

Chloroethane

Concen: 19.250 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005543.D

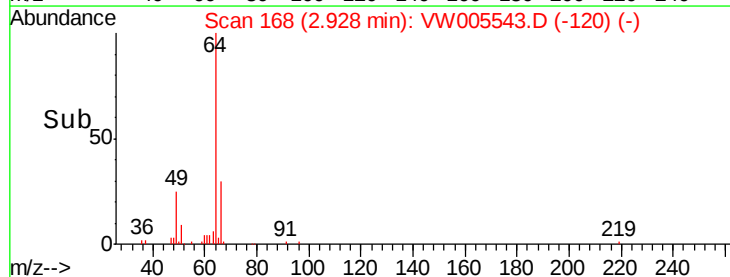
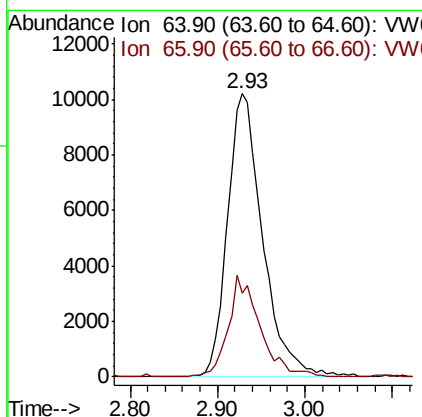
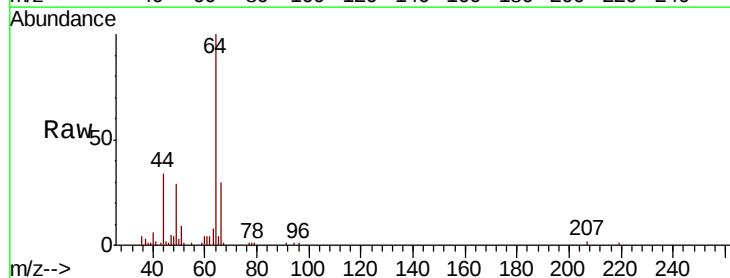
Acq: 20 Sep 2018 21:28

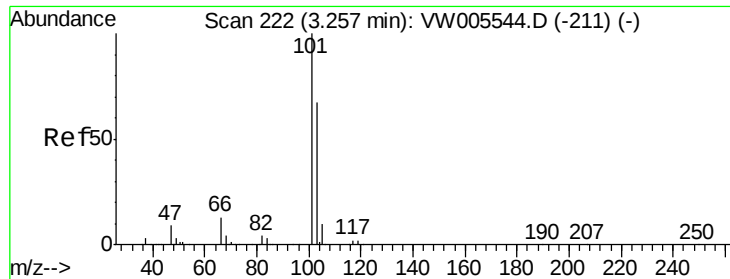
Tgt Ion: 64 Resp: 28466

Ion Ratio Lower Upper

64 100

66 29.7 26.0 39.0





#7

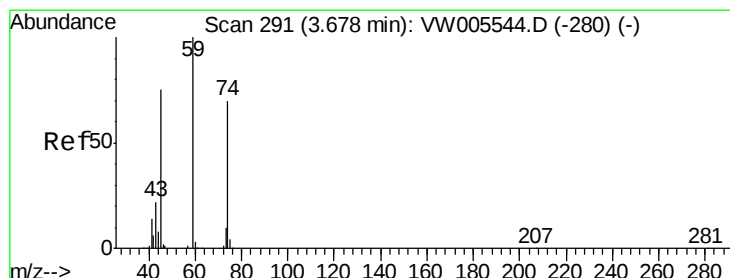
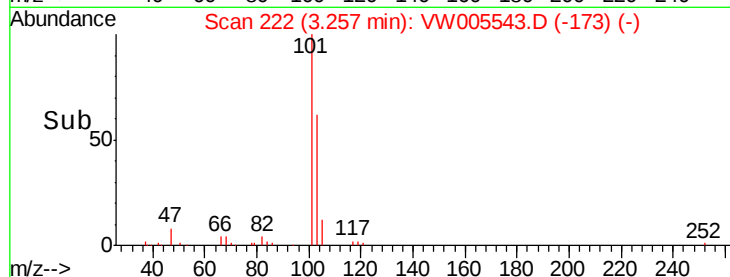
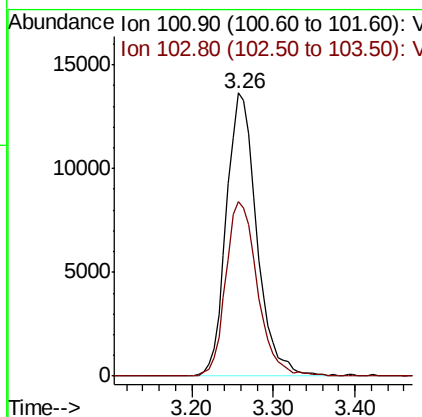
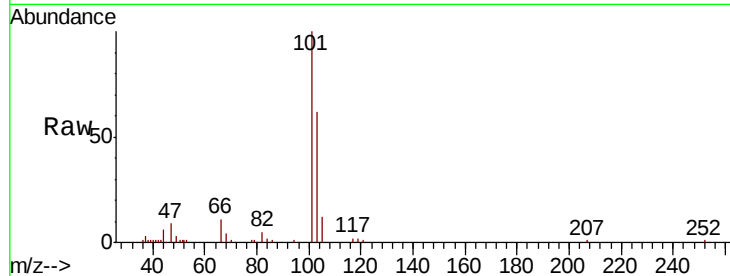
Trichlorofluoromethane  
 Concen: 11.278 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 61.9  | 53.2  | 79.8  |

Manual Integrations  
 APPROVED

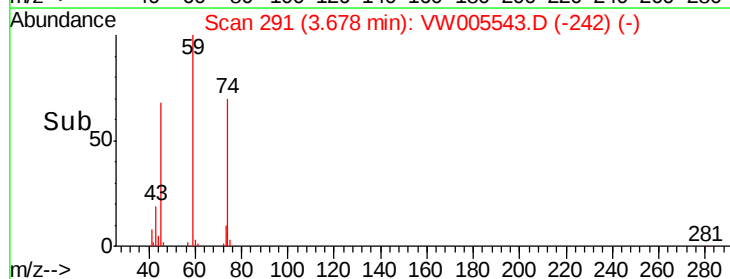
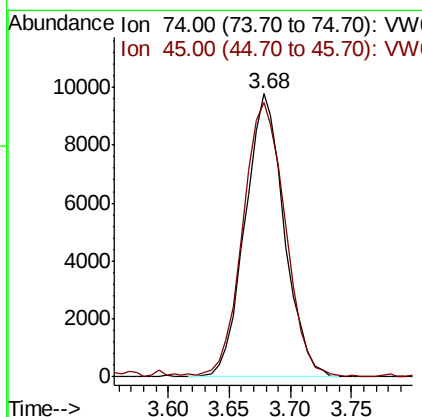
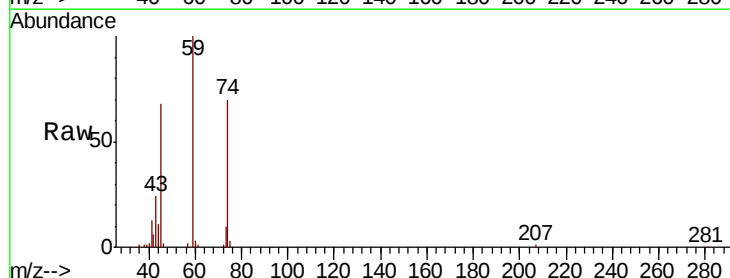
apatel  
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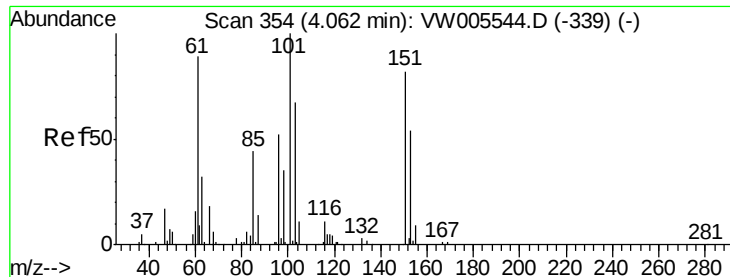


#8

Diethyl Ether  
 Concen: 21.280 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.9 | 51.7  | 155.2 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.573 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

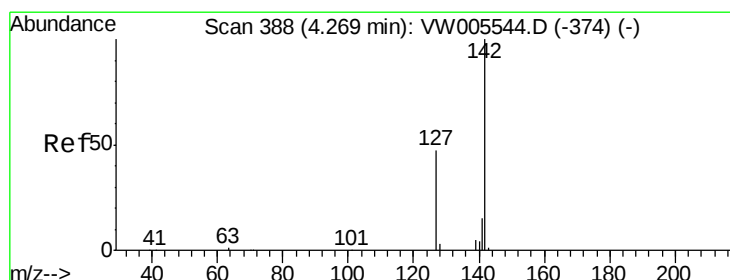
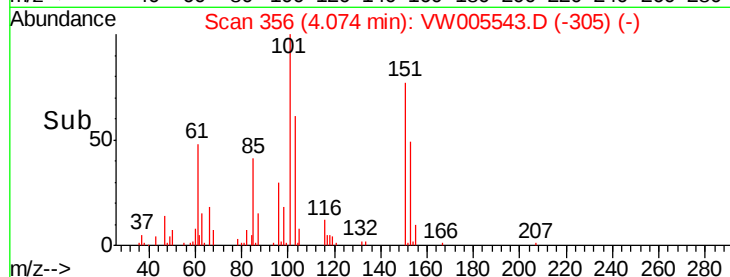
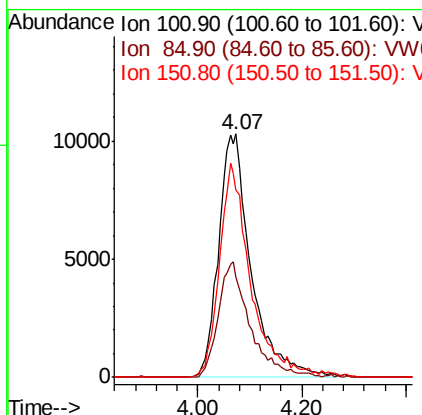
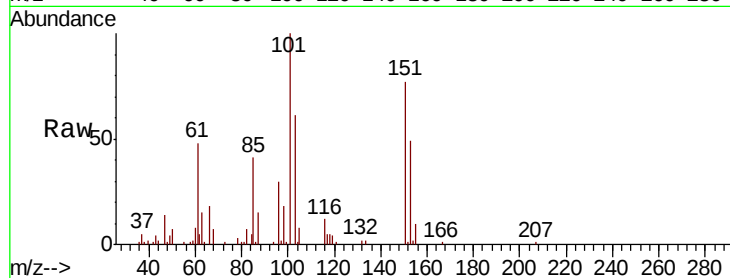
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 45111 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.8  | 36.4  | 54.6  |
| 151       | 82.5  | 65.8  | 98.6  |

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#10

Methyl Iodide

Concen: 30.193 ug/l

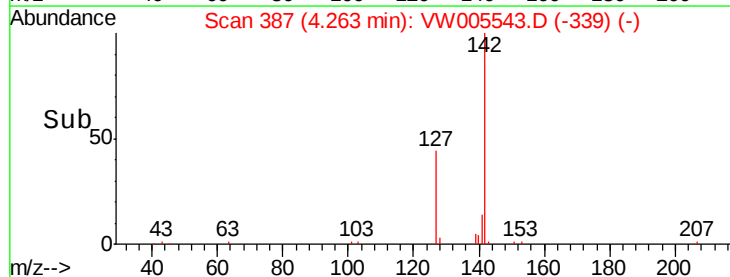
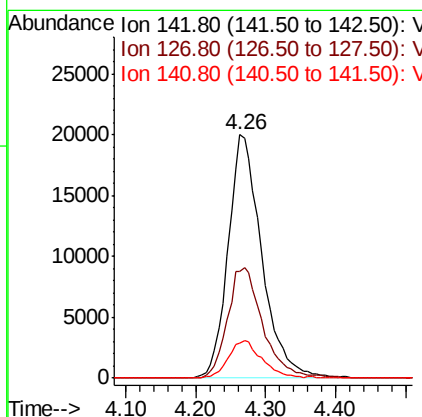
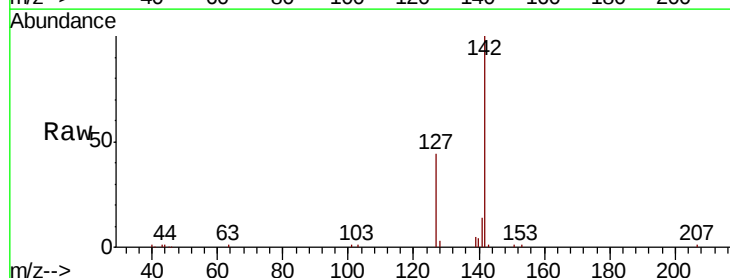
RT: 4.26 min Scan# 387

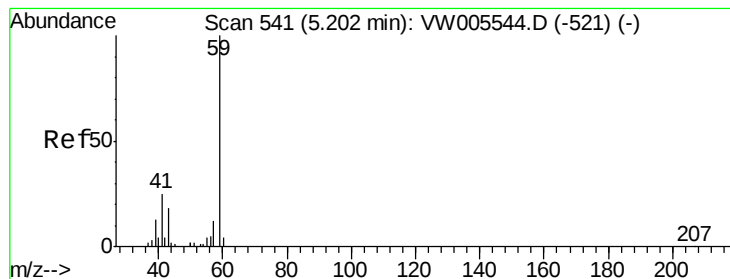
Delta R.T. -0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 66662 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 47.8  | 37.4  | 56.0  |
| 141       | 15.4  | 11.9  | 17.9  |





#11

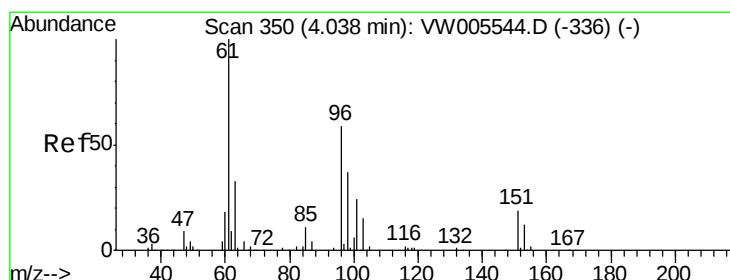
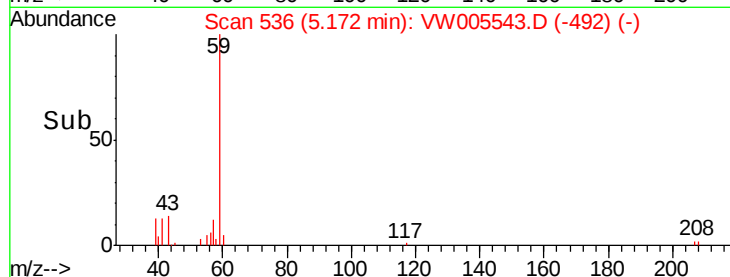
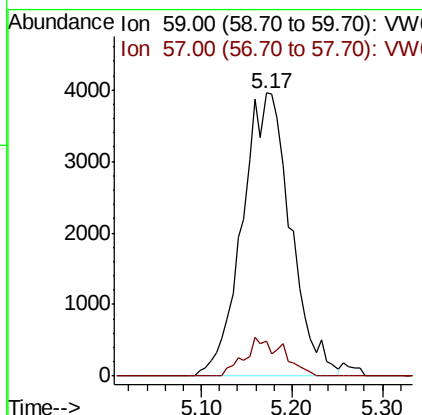
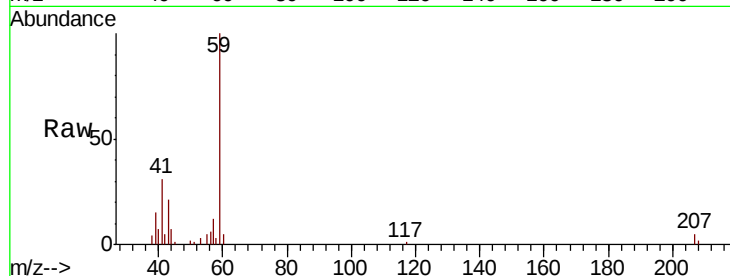
Tert butyl alcohol  
Concen: 86.958 ug/l  
RT: 5.17 min Scan# 536  
Delta R.T. -0.03 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tot Ion   | 59   | Resp  | 14646 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.8 | 8.3   | 12.5  |

Manual Integrations  
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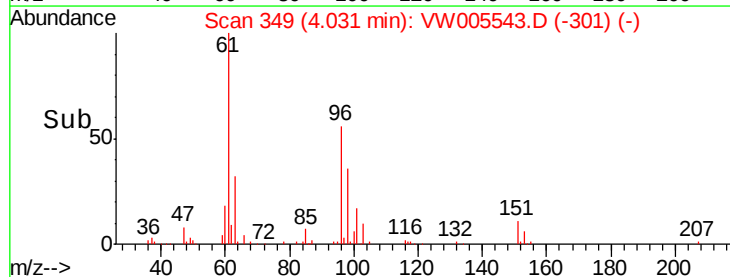
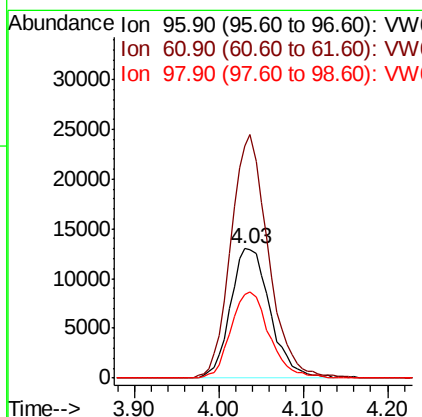
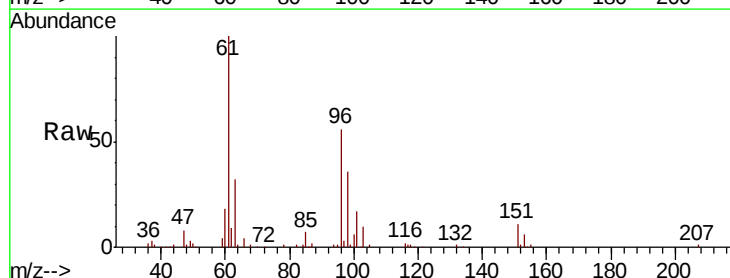
apatel  
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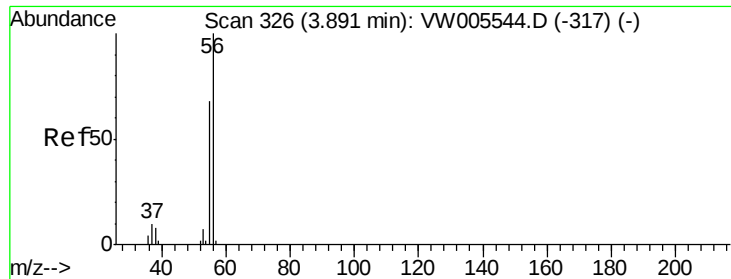


#12

1,1-Dichloroethene  
Concen: 22.748 ug/l  
RT: 4.03 min Scan# 349  
Delta R.T. -0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion   | 96    | Resp  | 41567 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 178.9 | 135.0 | 202.6 |
| 98        | 64.3  | 50.6  | 76.0  |





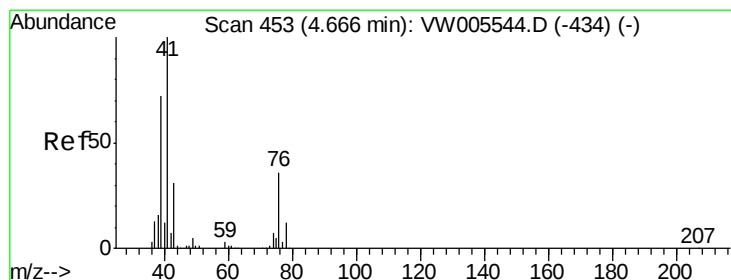
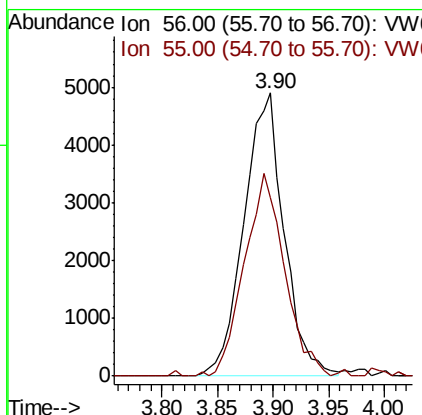
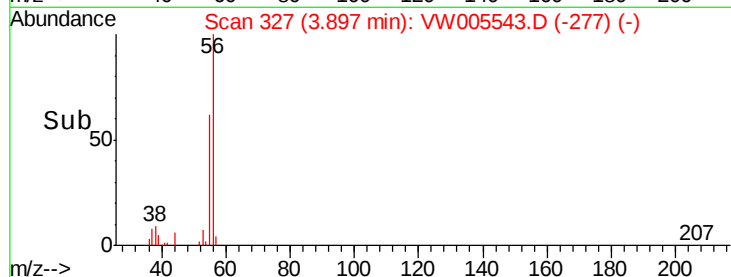
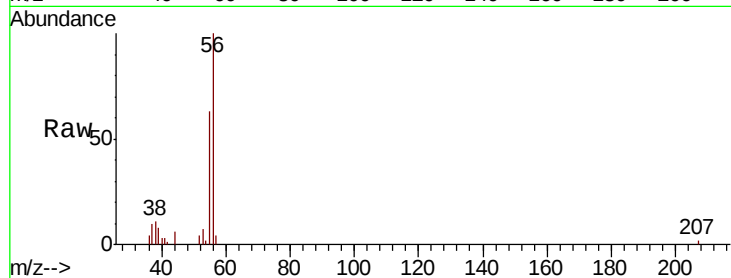
#13  
Acrolein  
Concen: 111.157 ug/l  
RT: 3.90 min Scan# 327  
Delta R.T. 0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | 56  | 55   | Ratio | Lower | Upper |
|---------|-----|------|-------|-------|-------|
| 12298   | 100 | 71.7 |       | 57.8  | 86.8  |

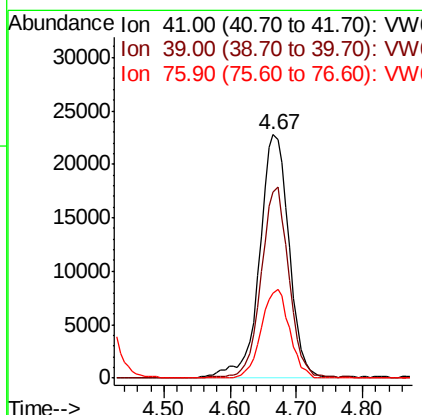
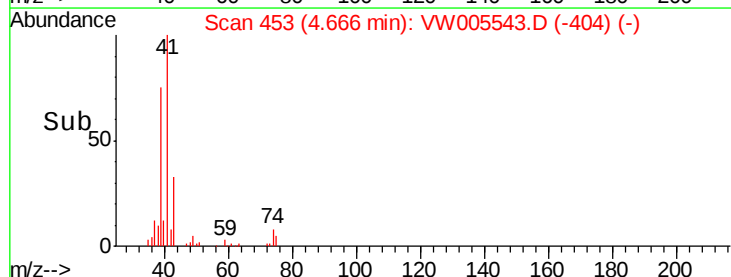
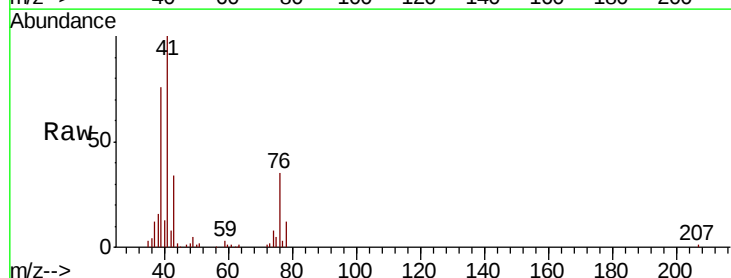
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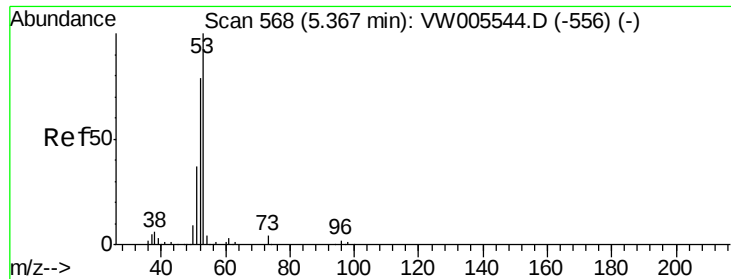
apatel  
9/21/2018 4:21:50 PM



#14  
Allyl chloride  
Concen: 20.896 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | 41  | 39   | 76   | Ratio | Lower | Upper |
|---------|-----|------|------|-------|-------|-------|
| 70405   | 100 | 72.6 | 35.0 |       | 59.6  | 89.4  |





#15

Acrylonitrile

Concen: 106.783 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

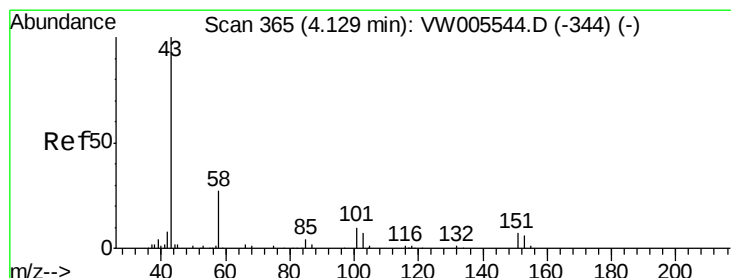
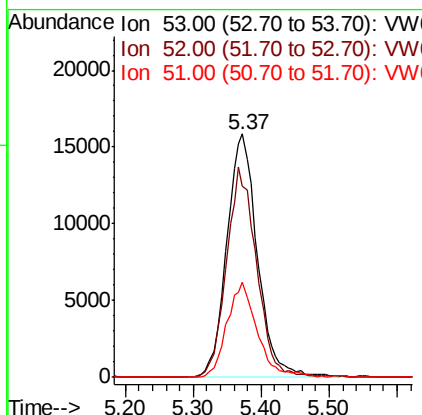
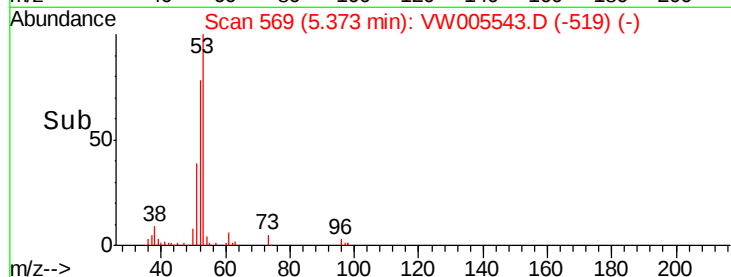
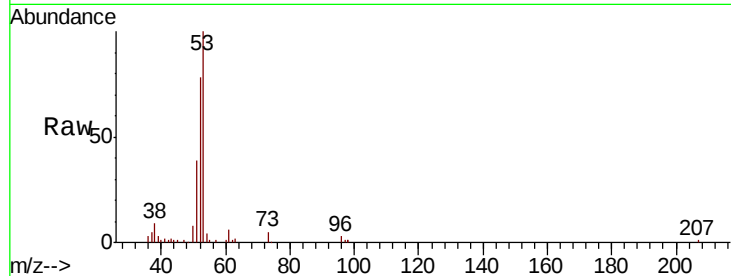
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 49408 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 84.2  | 66.5  | 99.7  |
| 51       | 38.5  | 30.6  | 46.0  |

Manual Integrations  
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#16

Acetone

Concen: 118.147 ug/l

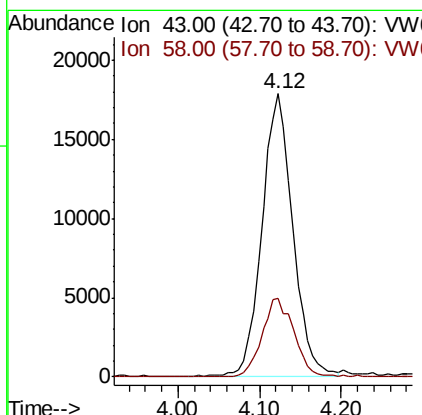
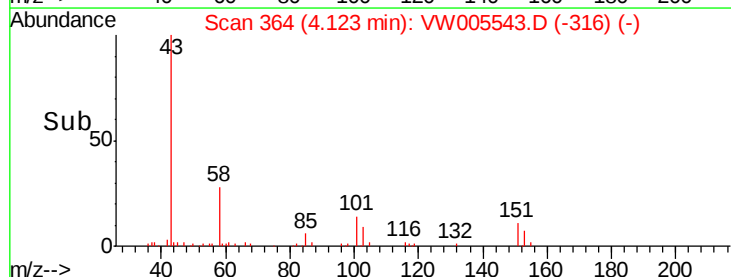
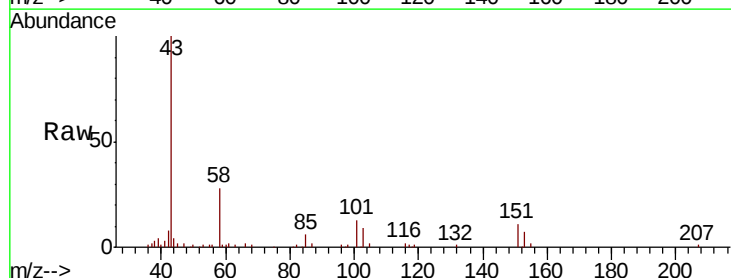
RT: 4.12 min Scan# 364

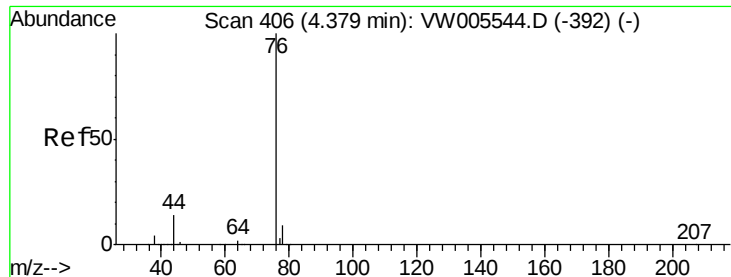
Delta R.T. -0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 47117 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.7  | 21.8  | 32.8  |





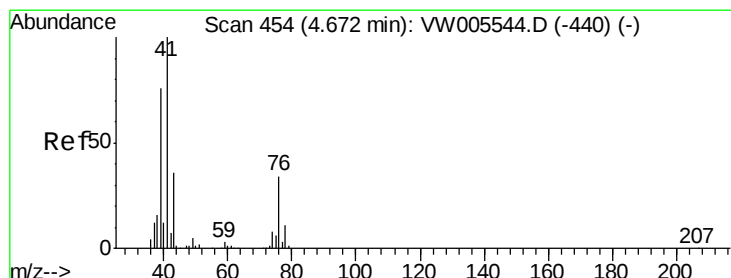
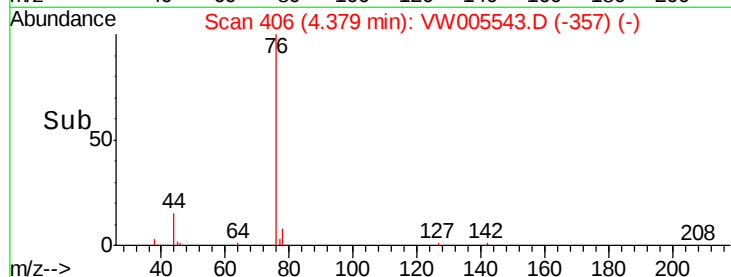
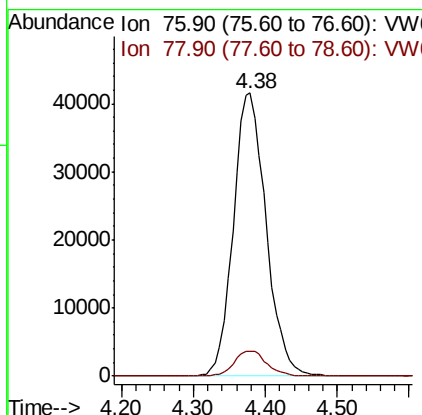
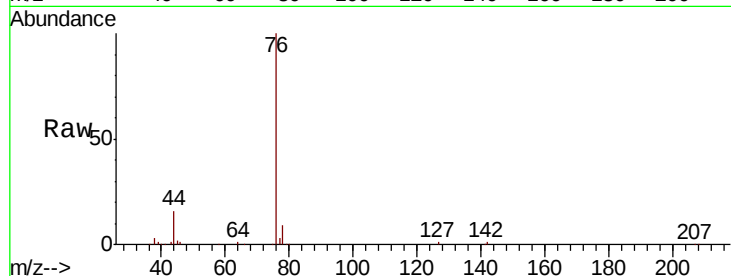
#17  
Carbon Disulfide  
Concen: 20.787 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.4   | 11.0  |

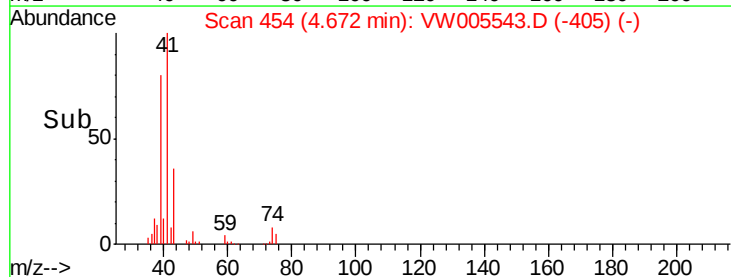
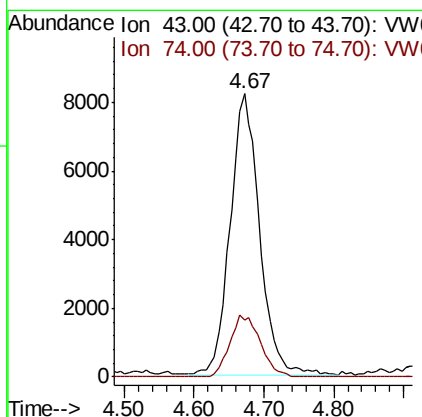
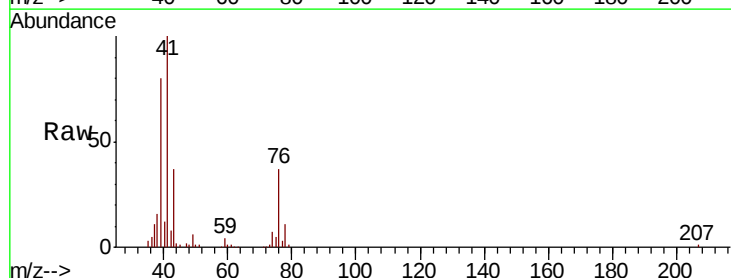
Manual Integrations  
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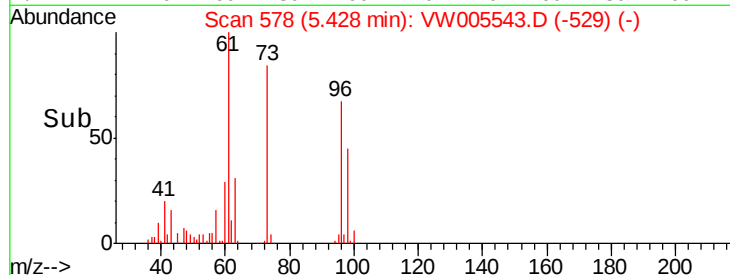
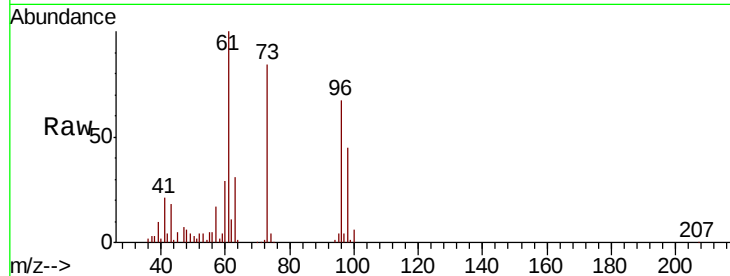
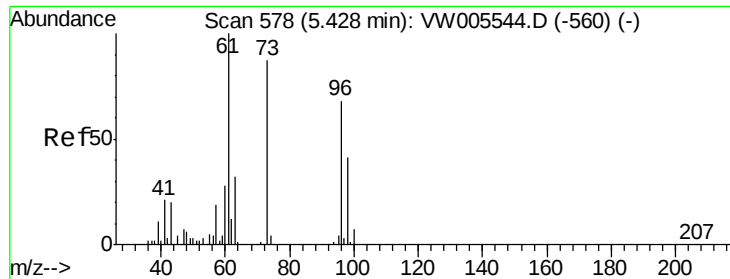
apatel  
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#18  
Methyl Acetate  
Concen: 20.467 ug/l  
RT: 4.67 min Scan# 454  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.6  | 19.2  | 28.8  |





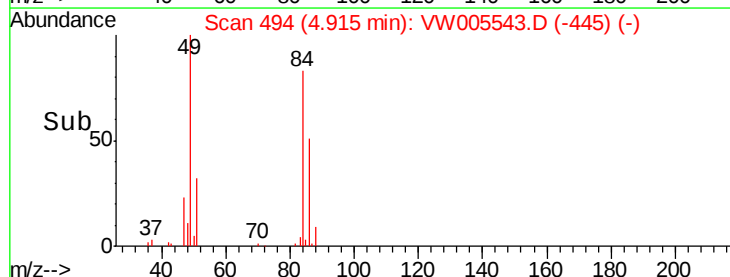
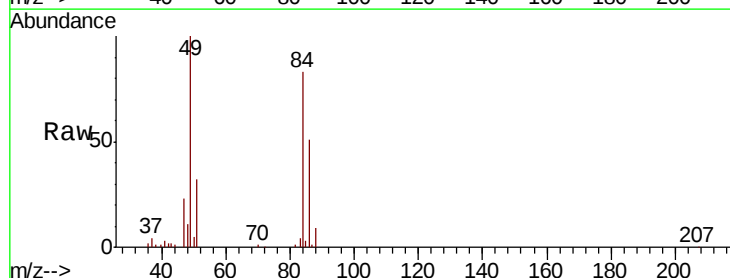
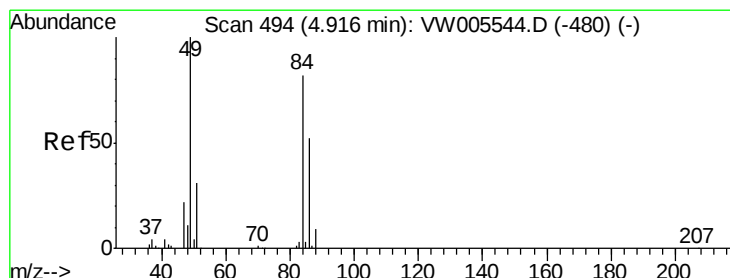
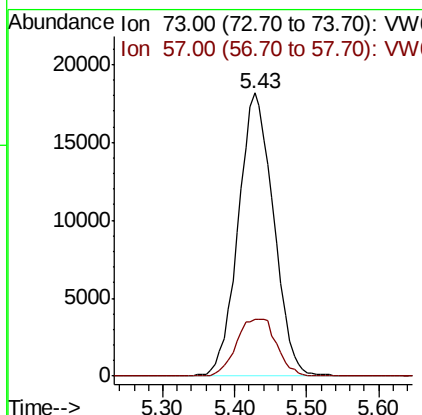
#19  
Methyl tert-butyl Ether  
Concen: 13.538 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Tot Ion: 73 Resp: 61715  
Ion Ratio Lower Upper  
73 100  
57 20.1 17.6 26.4

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

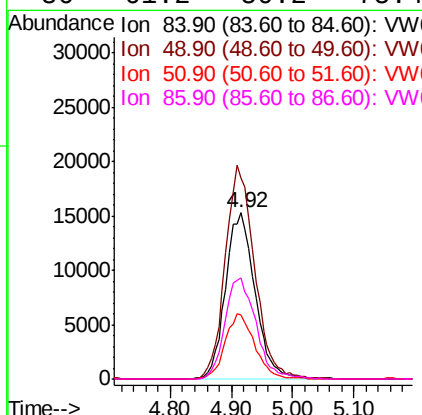
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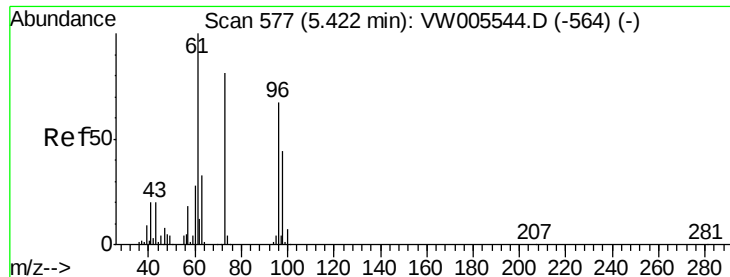
apatel  
9/21/2018 4:21:50 PM



#20  
Methylene Chloride  
Concen: 17.832 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Tgt Ion: 84 Resp: 50798  
Ion Ratio Lower Upper  
84 100  
49 121.1 97.0 145.6  
51 38.3 30.2 45.2  
86 61.2 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.889 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

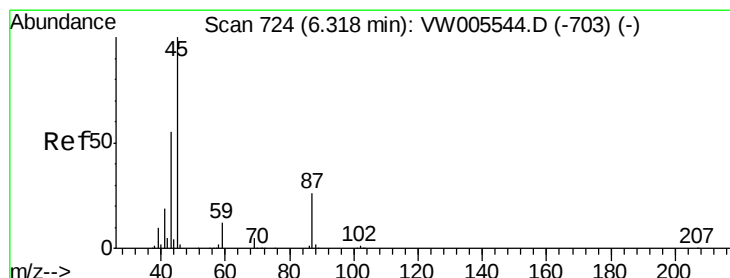
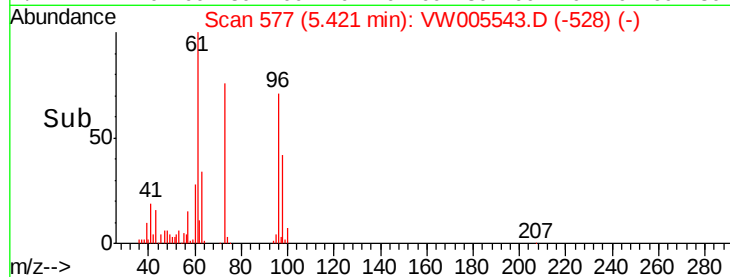
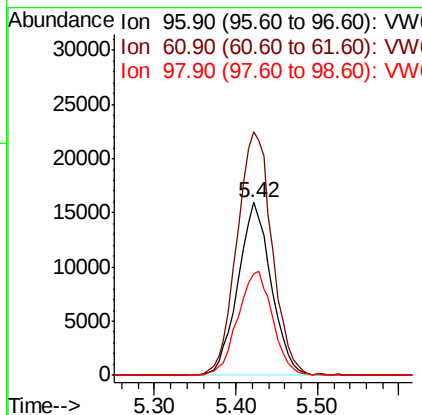
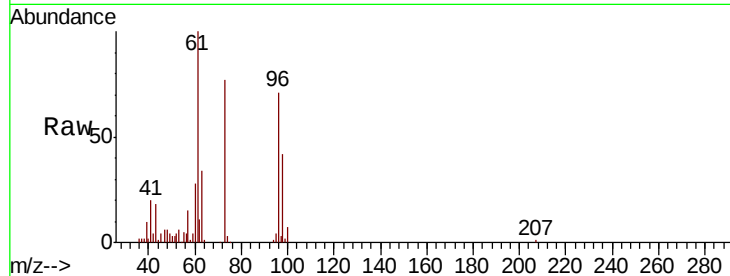
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 45236 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 140.7 | 118.9 | 178.3 |
| 98       | 59.0  | 52.1  | 78.1  |

Manual Integrations  
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apatel  
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#22

Diisopropyl ether

Concen: 21.170 ug/l

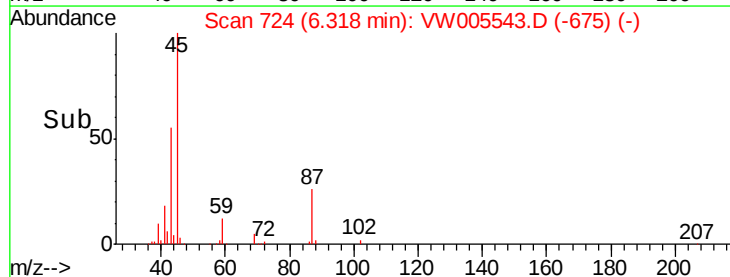
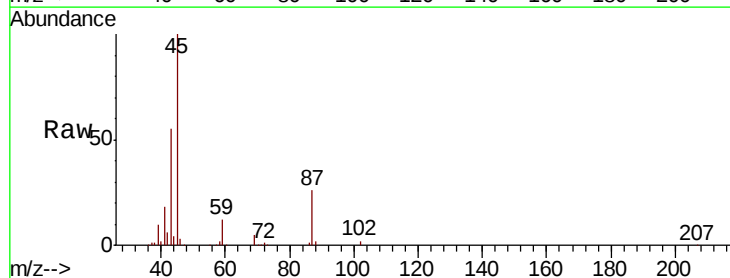
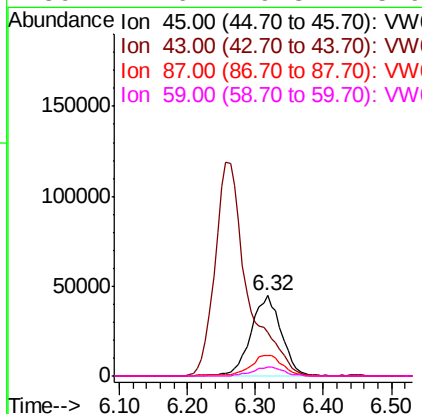
RT: 6.32 min Scan# 724

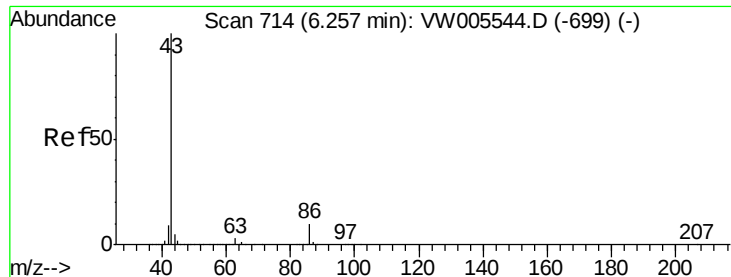
Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 139465 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.9  | 44.2  | 66.4   |
| 87       | 25.7  | 21.4  | 32.2   |
| 59       | 11.6  | 9.3   | 13.9   |





#23

Vinyl Acetate

Concen: 104.625 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 393758

Ion Ratio Lower Upper

43 100

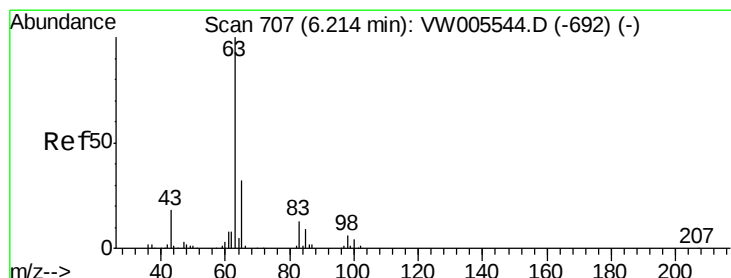
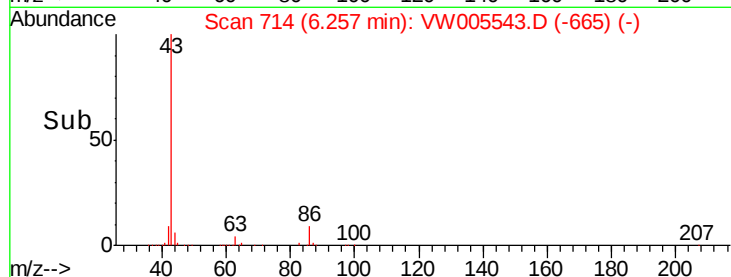
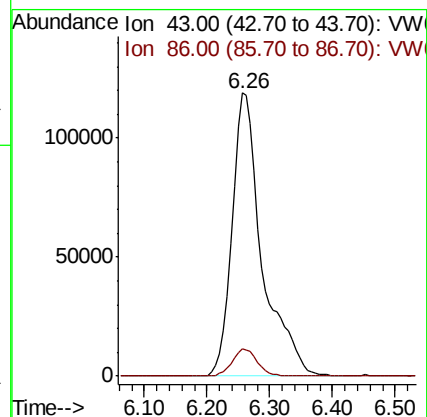
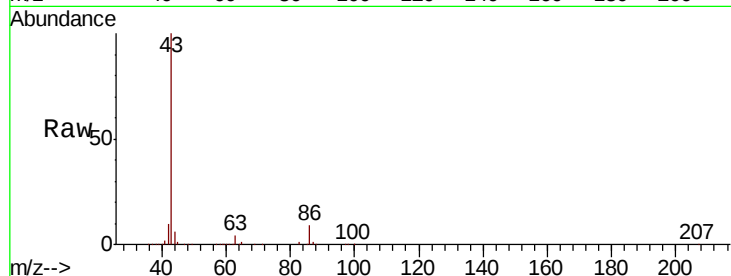
86 9.5 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.046 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

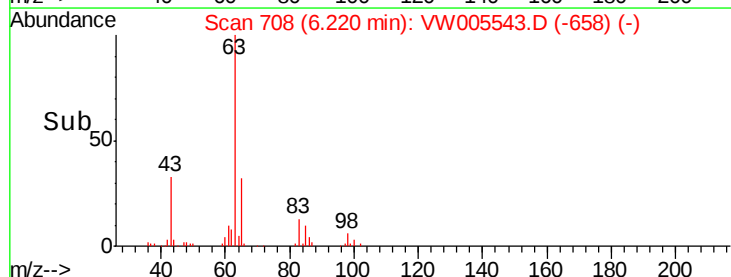
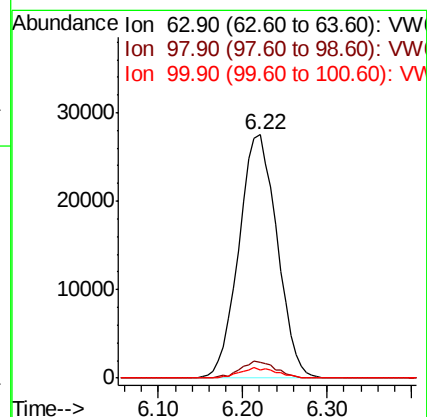
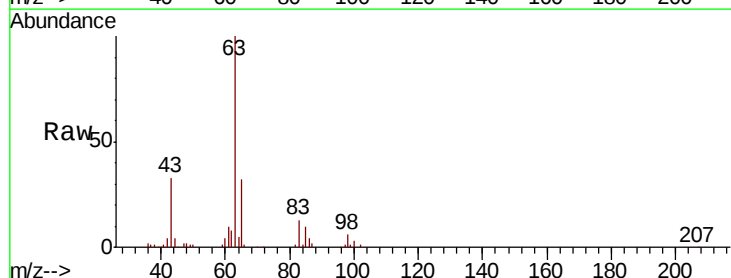
Tgt Ion: 63 Resp: 84774

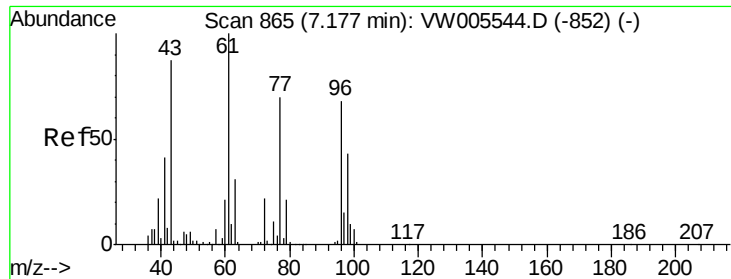
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.4 2.1 6.2





#25

2-Butanone

Concen: 111.335 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 64724

Ion Ratio Lower Upper

43 100

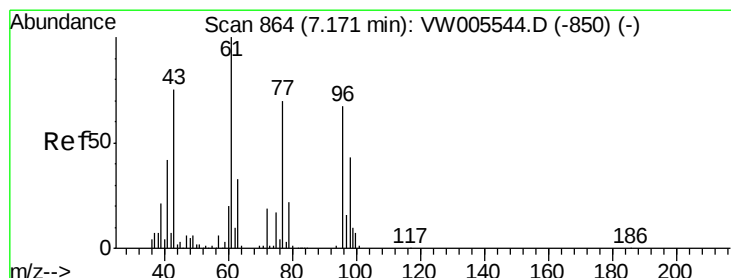
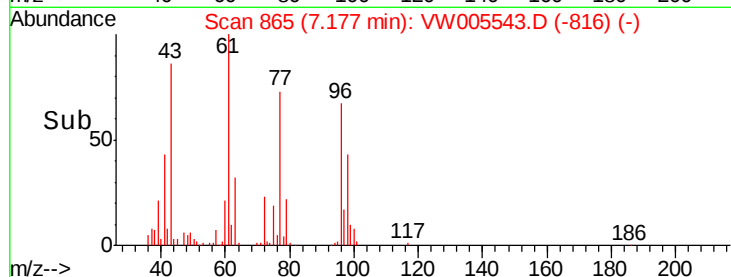
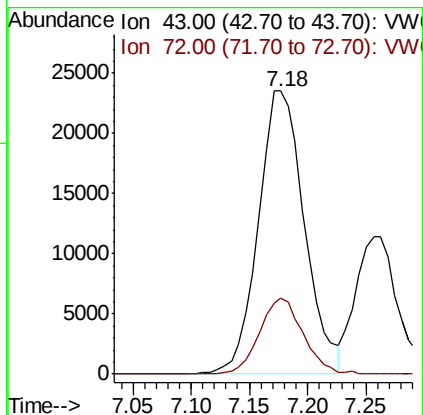
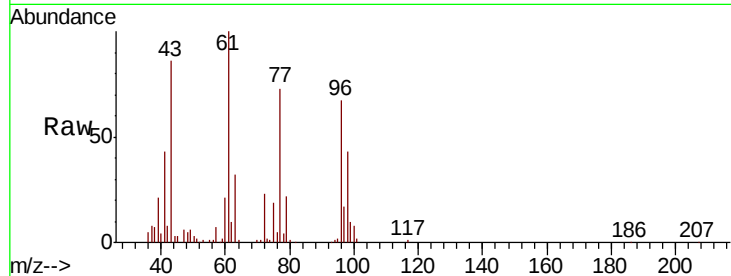
72 26.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.266 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005543.D

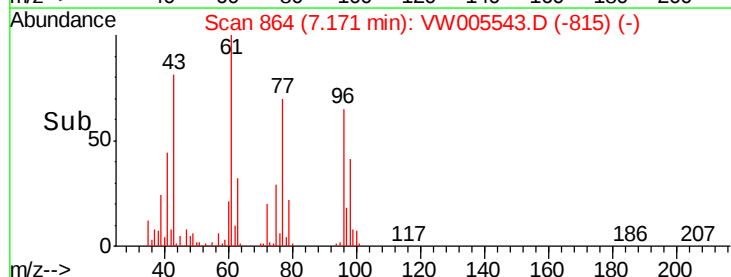
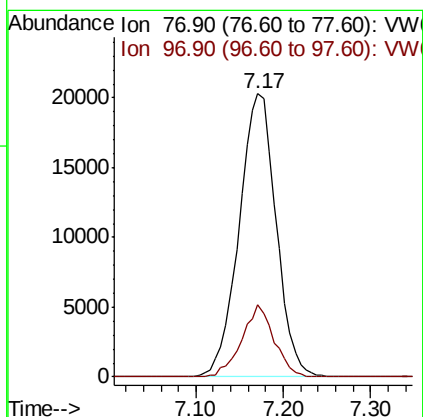
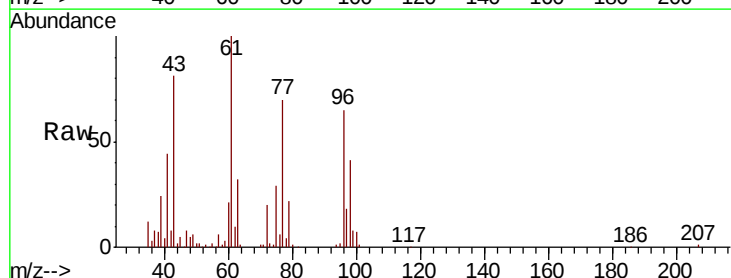
Acq: 20 Sep 2018 21:28

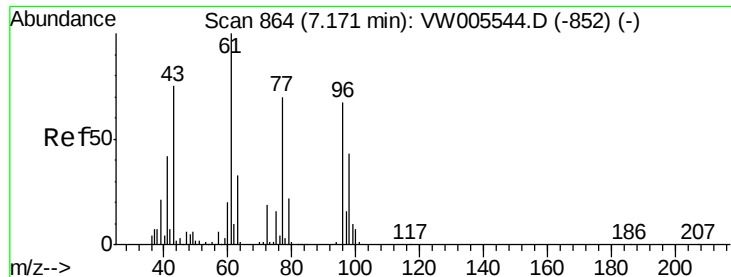
Tgt Ion: 77 Resp: 59578

Ion Ratio Lower Upper

77 100

97 22.2 11.0 33.0





#27

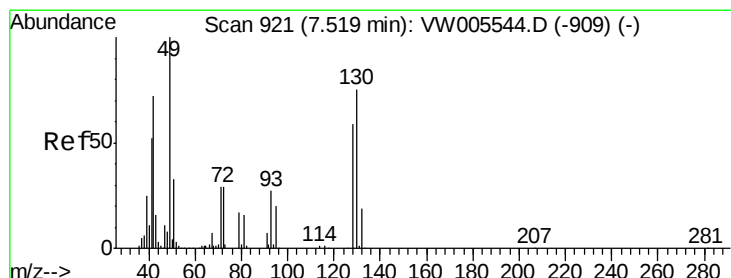
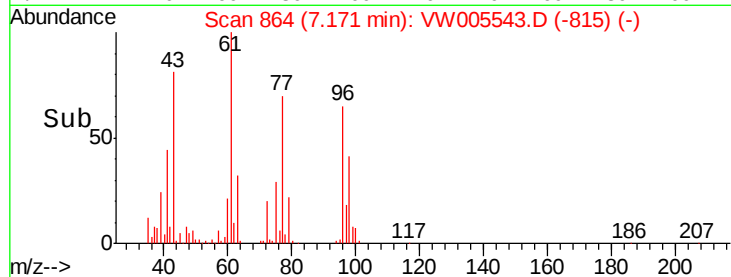
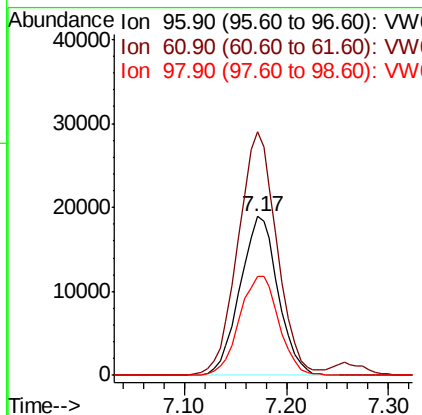
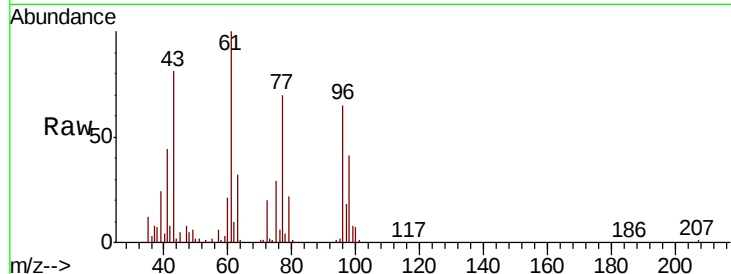
cis-1,2-Dichloroethene  
 Concen: 20.789 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 48990 |       |       |
| 61      | 156.5 | 0.0   | 303.4 |       |
| 98      | 64.6  | 0.0   | 127.2 |       |

Manual Integrations  
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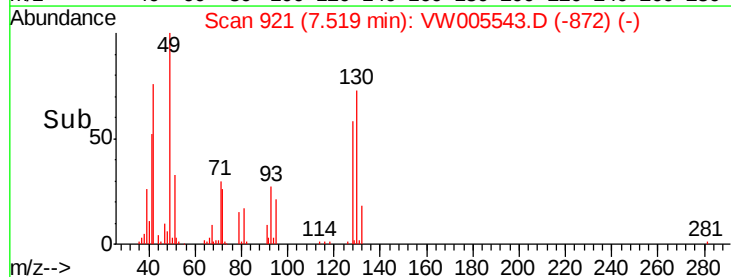
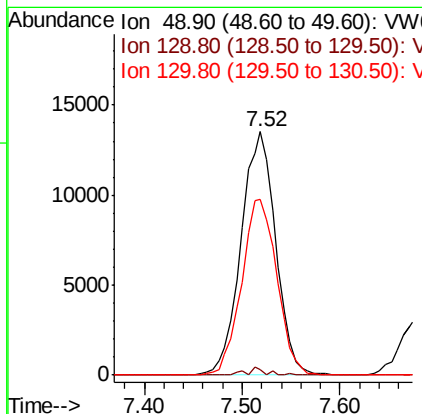
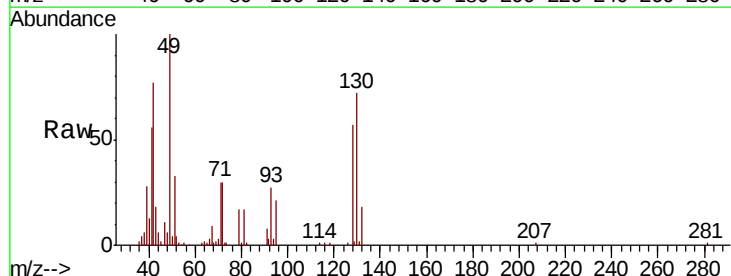
apatel  
 9/21/2018 4:21:50 PM

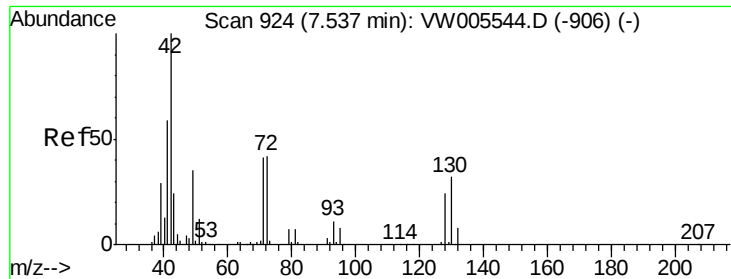


#28

Bromochloromethane  
 Concen: 21.143 ug/l  
 RT: 7.52 min Scan# 921  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 33152 |       |       |
| 129     | 1.5   | 0.0   | 1.4#  |       |
| 130     | 73.8  | 61.3  | 91.9  |       |





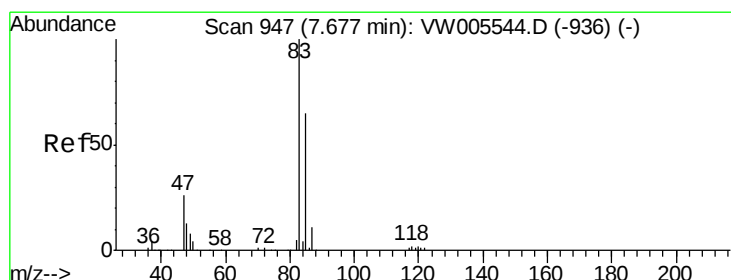
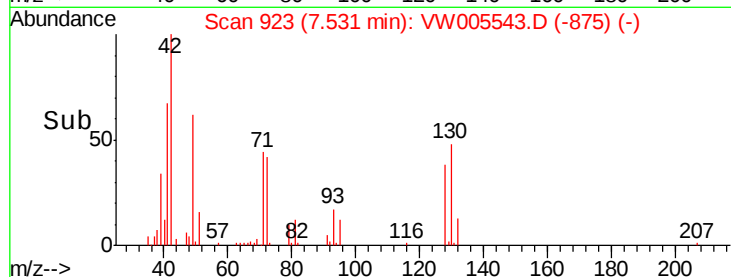
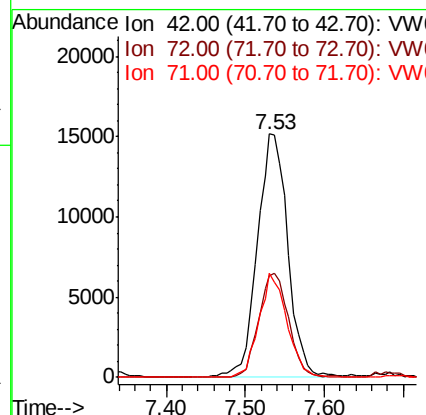
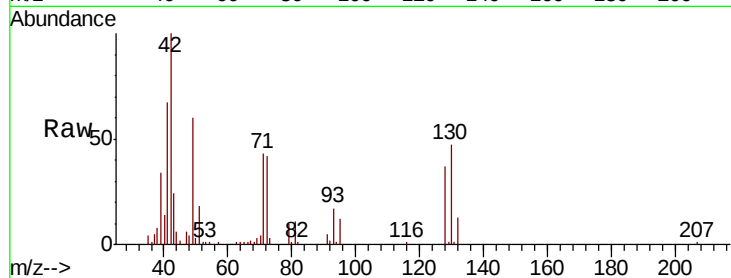
#29  
Tetrahydrofuran  
Concen: 109.617 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. -0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.7  | 33.6  | 50.4  |
| 71      | 39.2  | 31.8  | 47.6  |

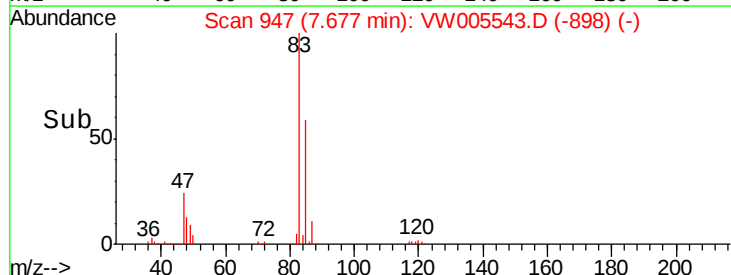
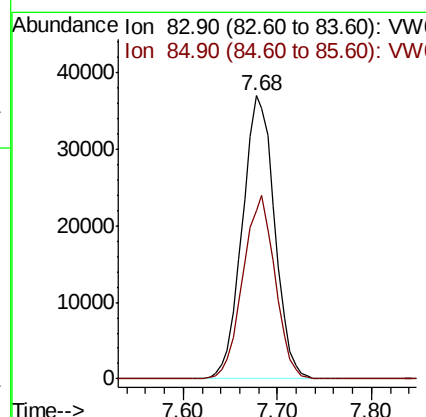
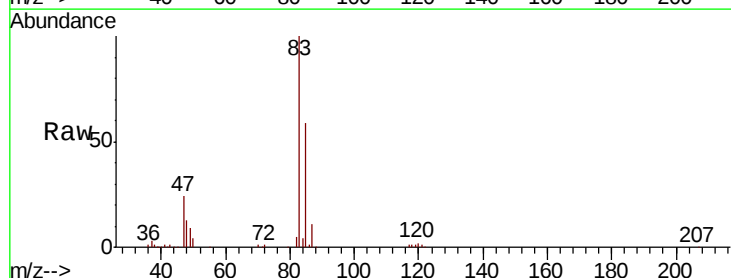
Manual Integrations  
APPROVED

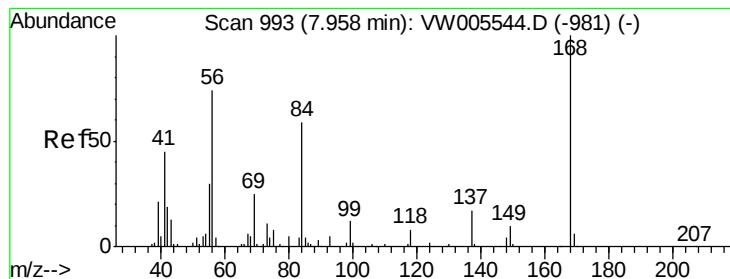
apatel  
9/21/2018 4:21:50 PM



#30  
Chloroform  
Concen: 21.191 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 59.5  | 51.8  | 77.6  |





#31

Cyclohexane

Concen: 21.180 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

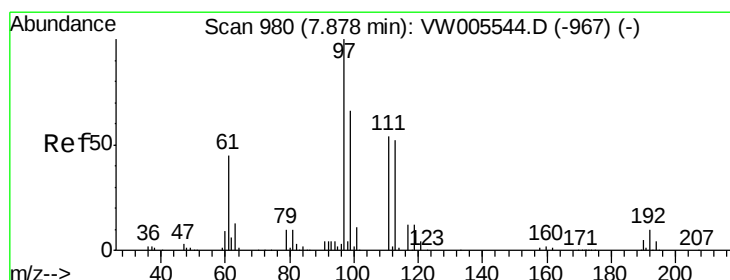
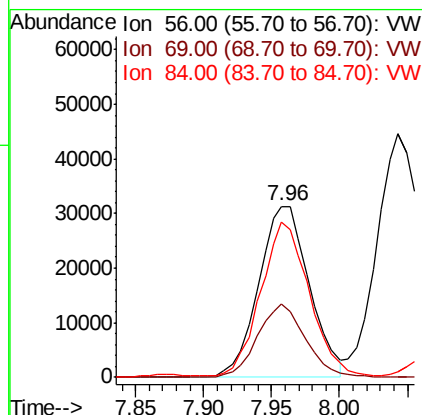
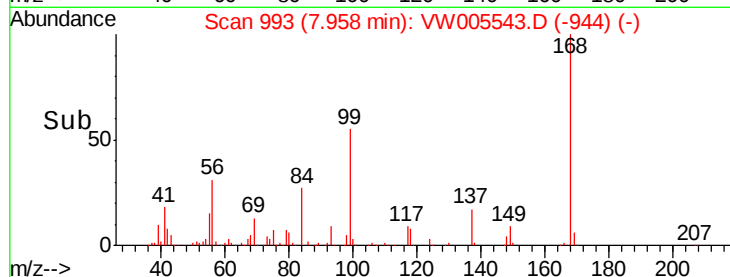
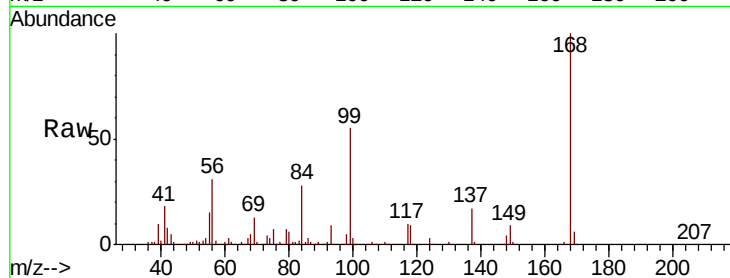
ClientSampled :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 56    | Resp: | 81459 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 42.7  | 27.0  | 40.4# |
| 84        | 89.5  | 64.2  | 96.4  |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 20.396 ug/l

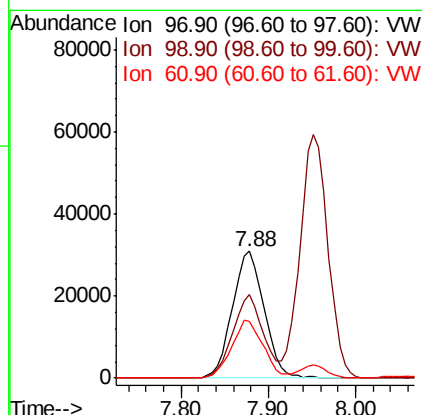
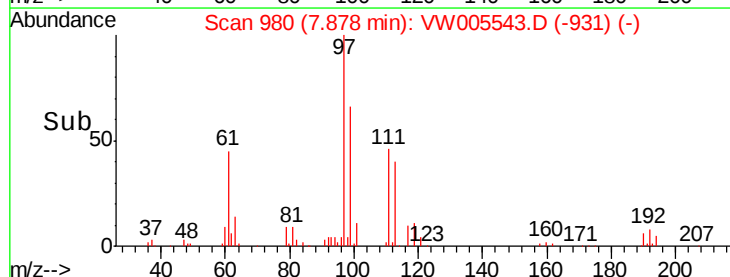
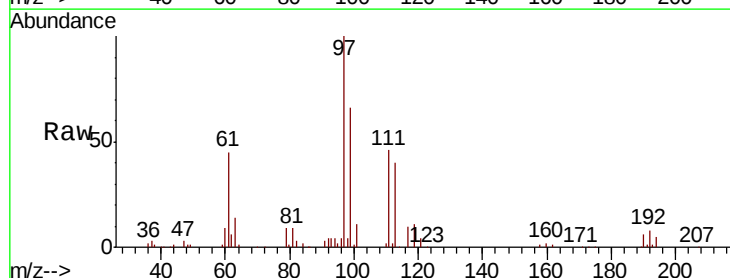
RT: 7.88 min Scan# 980

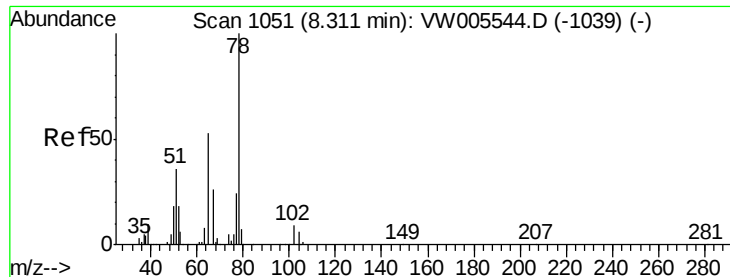
Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 77893 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 64.4  | 51.0  | 76.6  |
| 61        | 45.2  | 36.2  | 54.2  |





#33

1,2-Dichloroethane-d4

Concen: 21.414 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tot Ion: 65 Resp: 52531

Ion Ratio Lower Upper

65 100

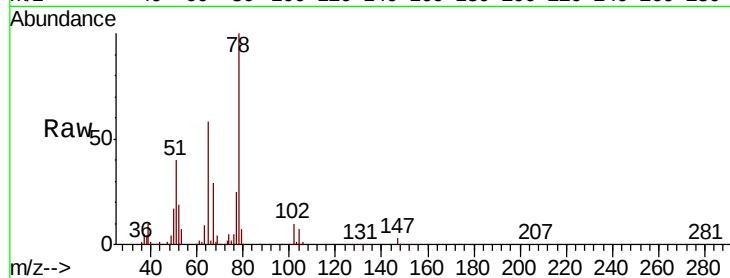
67 50.1 0.0 100.6

Manual Integrations

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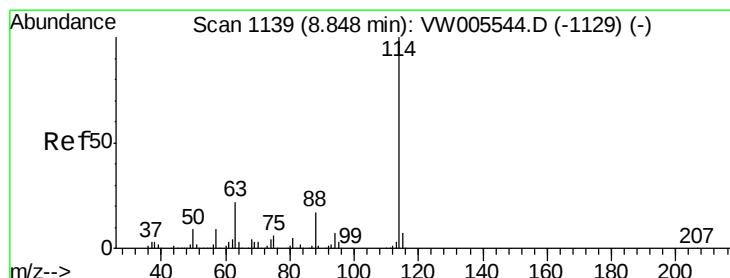
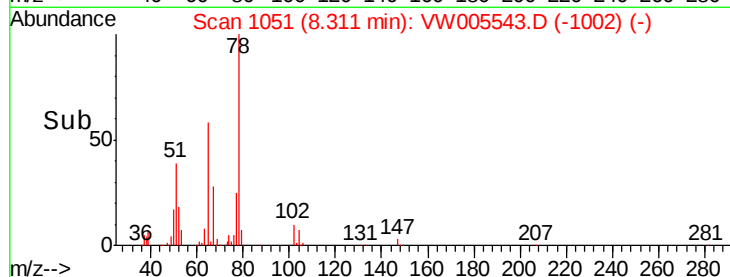
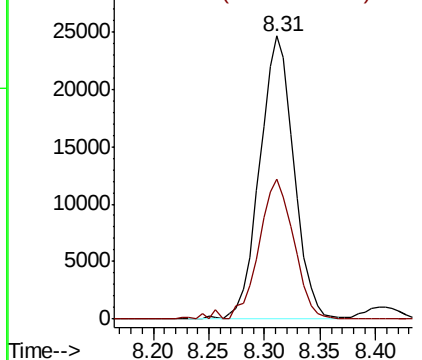
apatel

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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: VW005543.D

Acq: 20 Sep 2018 21:28

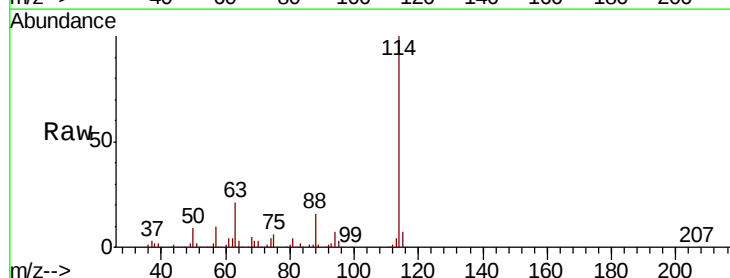
Tgt Ion: 114 Resp: 340377

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

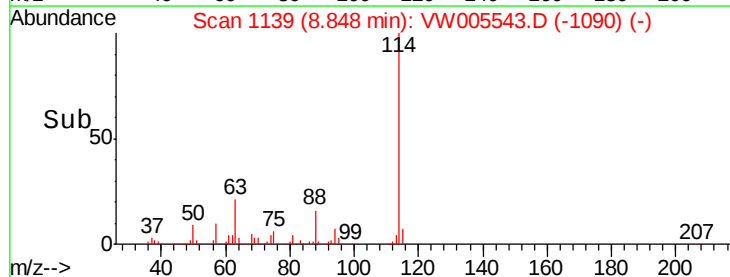
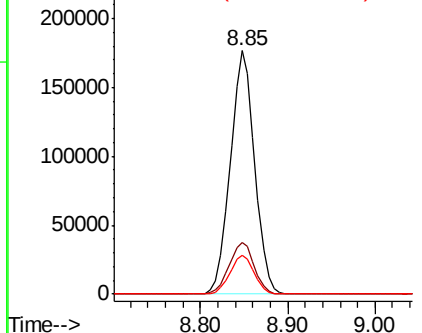
88 16.0 0.0 33.0

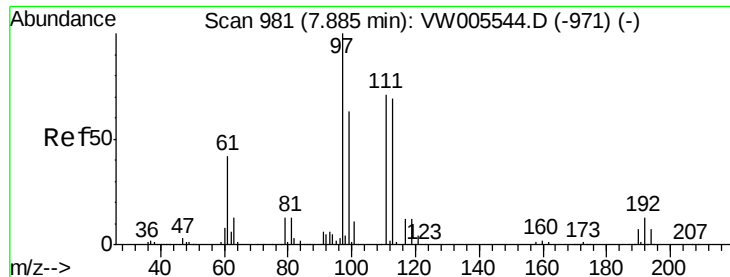


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





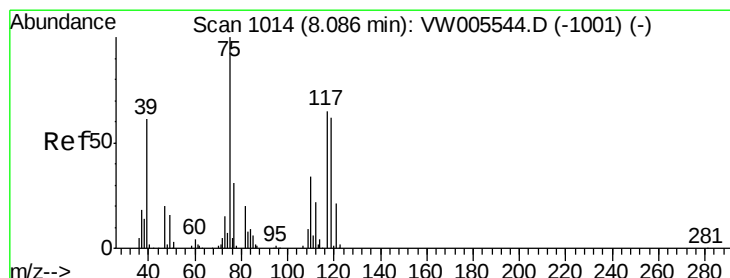
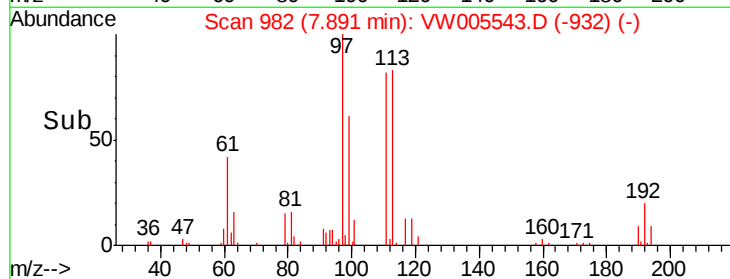
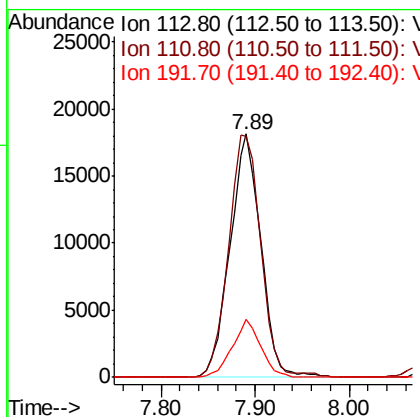
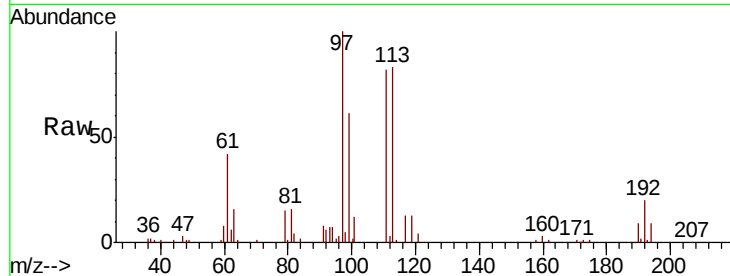
#35  
 Dibromofluoromethane  
 Concen: 20.935 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.01 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 41235 |       |       |
| 111     | 104.0 | 82.6  | 123.8 |       |
| 192     | 21.8  | 17.0  | 25.4  |       |

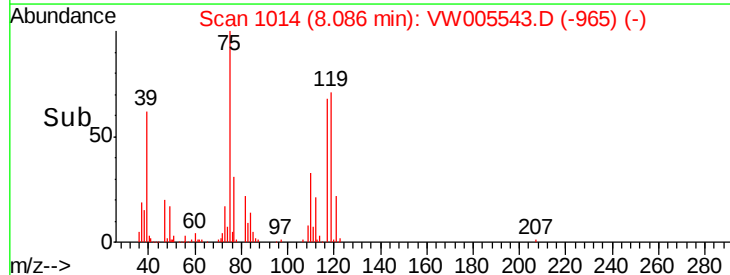
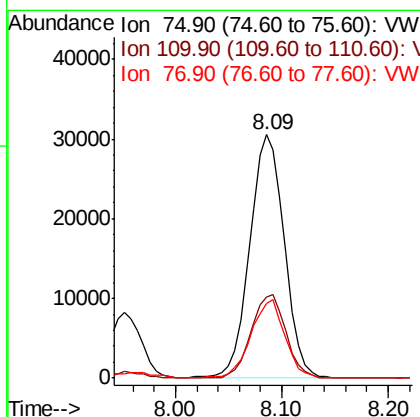
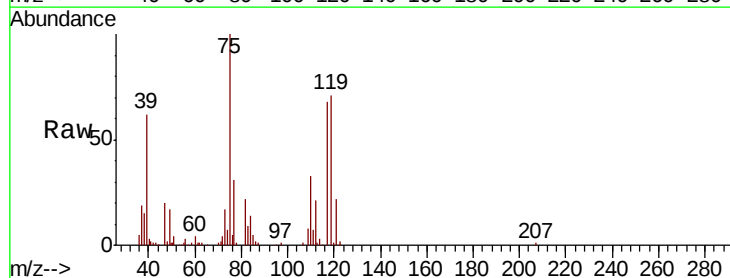
Manual Integrations  
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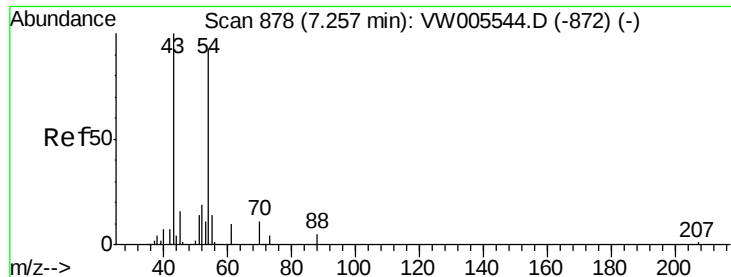
apatel  
 9/21/2018 4:21:50 PM



#36  
 1,1-Dichloropropene  
 Concen: 21.282 ug/l  
 RT: 8.09 min Scan# 1014  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 69685 |       |       |
| 110     | 34.2  | 17.0  | 50.9  |       |
| 77      | 31.7  | 24.8  | 37.2  |       |





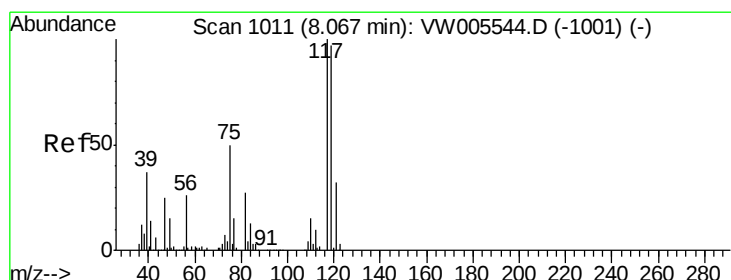
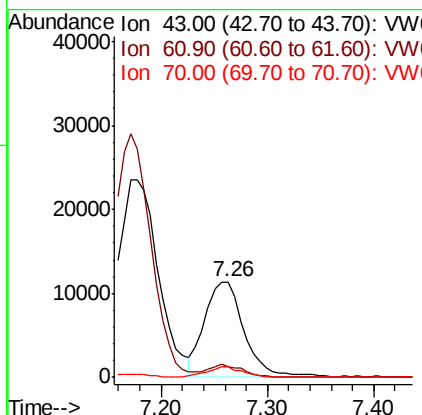
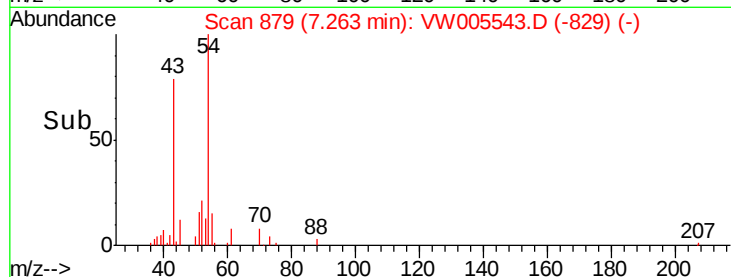
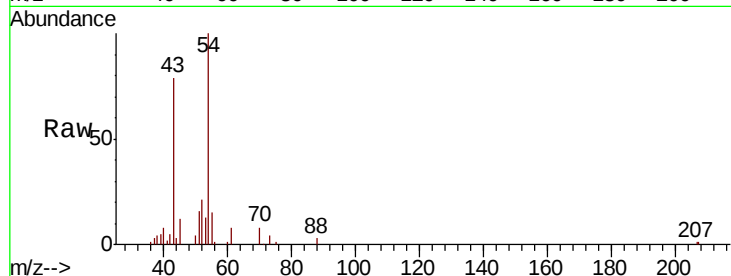
#37  
Ethyl Acetate  
Concen: 21.522 ug/l  
RT: 7.26 min Scan# 879  
Delta R.T. 0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 28883 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 12.1  | 10.4  | 15.6  |
| 70       | 10.2  | 8.2   | 12.2  |

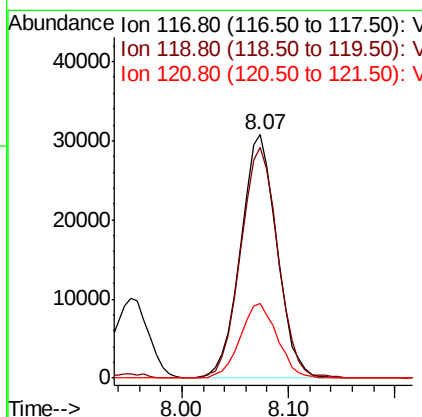
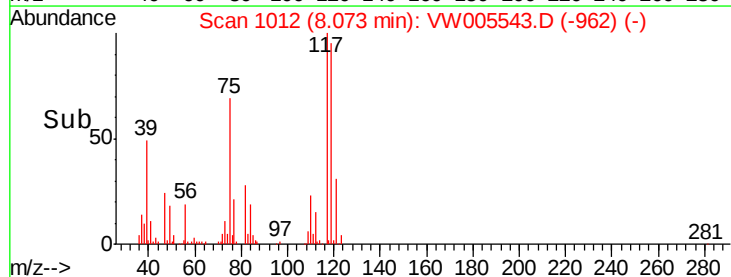
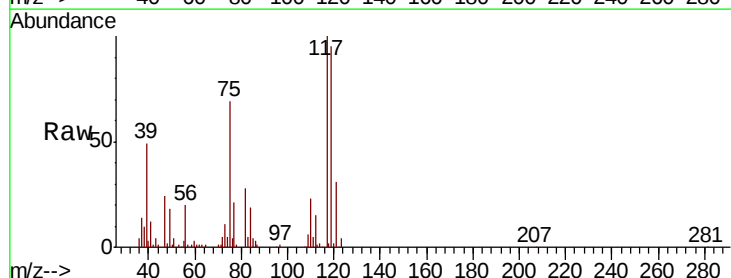
Manual Integrations  
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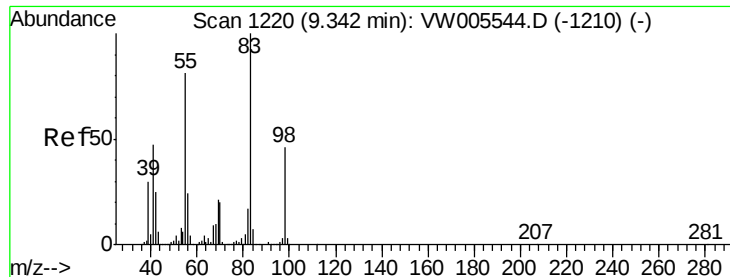
apatel  
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#38  
Carbon Tetrachloride  
Concen: 21.523 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 73916 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.8  | 77.6  | 116.4 |
| 121      | 30.8  | 25.7  | 38.5  |





#39

Methvlcvclohexane

Concen: 21.517 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

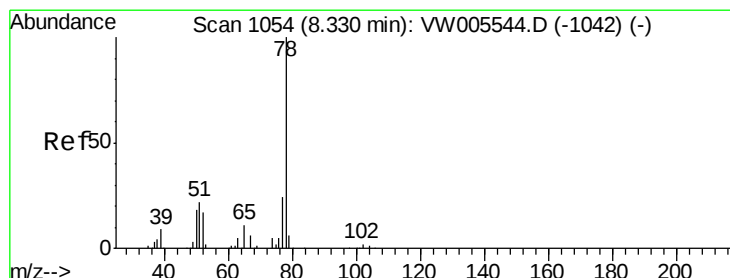
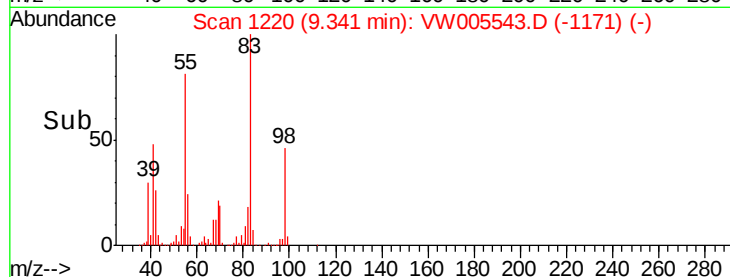
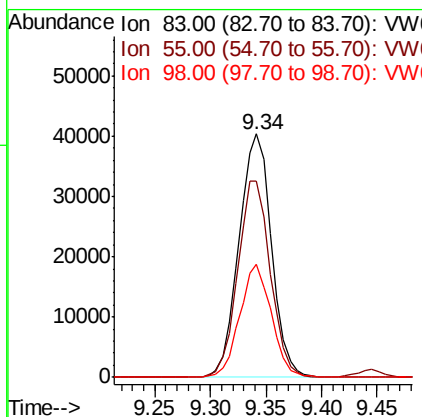
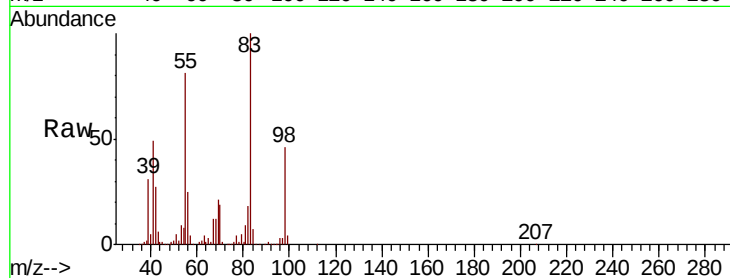
ClientSampled :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 81689 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 80.7  | 64.6  | 97.0  |
| 98       | 46.5  | 37.0  | 55.6  |

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#40

Benzene

Concen: 20.832 ug/l

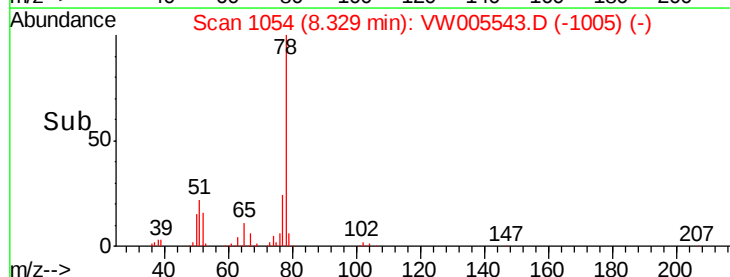
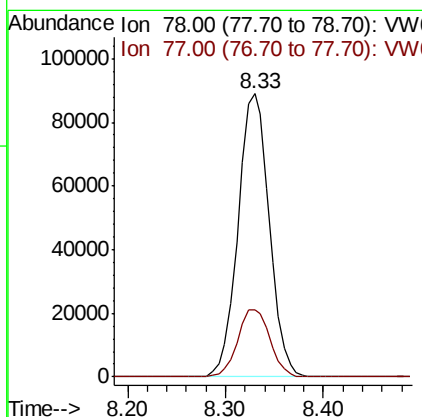
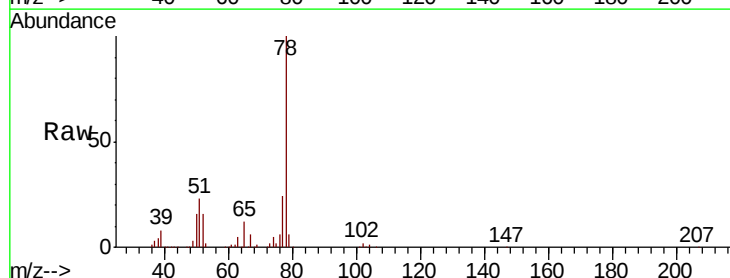
RT: 8.33 min Scan# 1054

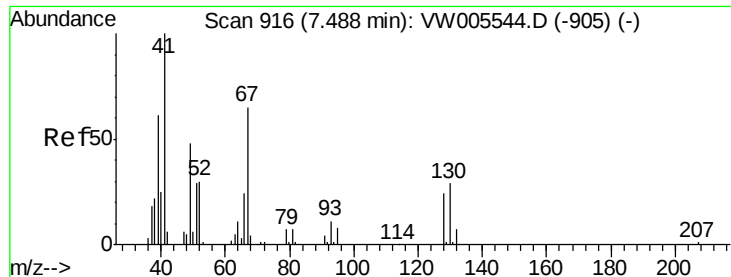
Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 196500 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 23.8  | 19.0  | 28.4   |





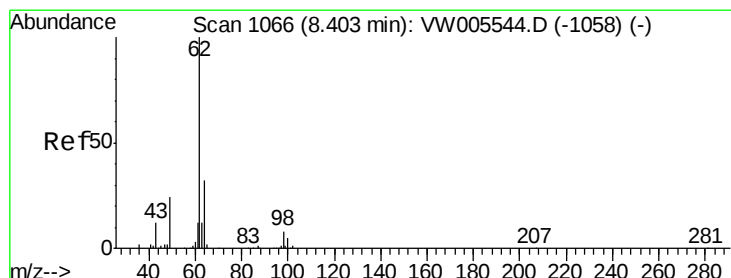
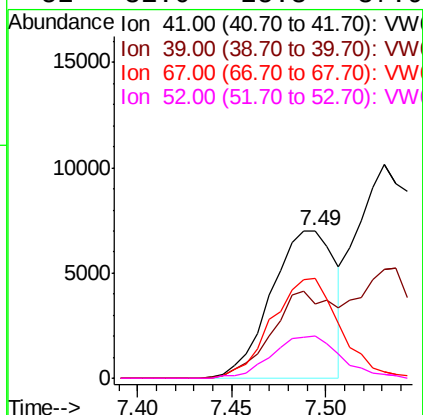
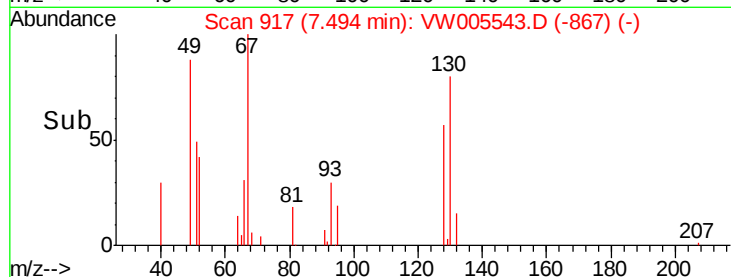
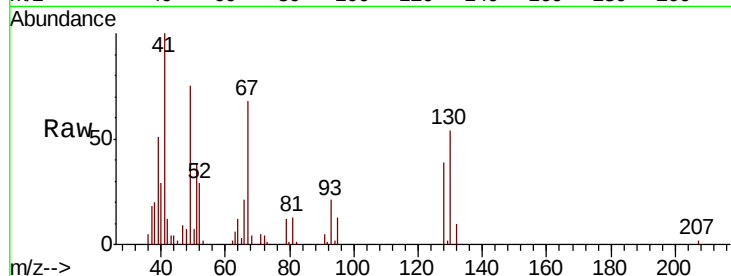
#41  
Methacrylonitrile  
Concen: 20.591 ug/l  
RT: 7.49 min Scan# 917  
Delta R.T. 0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 41      | 100  |       | 16553 |       |       |
| 39      | 57.4 | 45.4  | 68.2  |       |       |
| 67      | 72.0 | 55.2  | 82.8  |       |       |
| 52      | 31.0 | 25.3  | 37.9  |       |       |

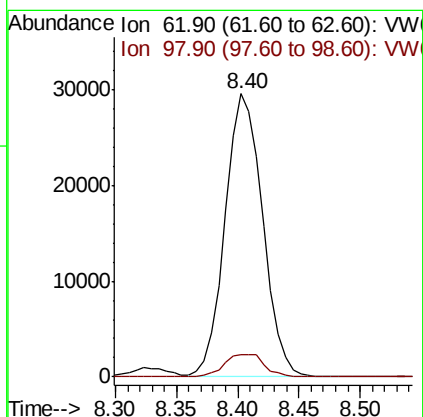
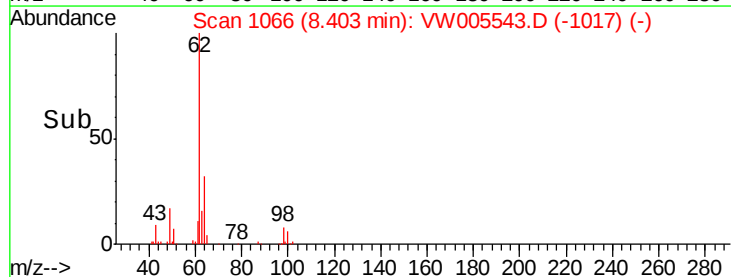
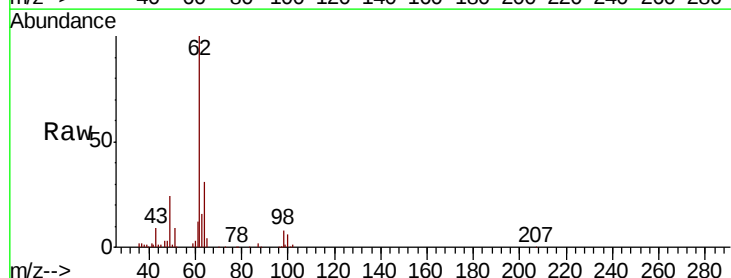
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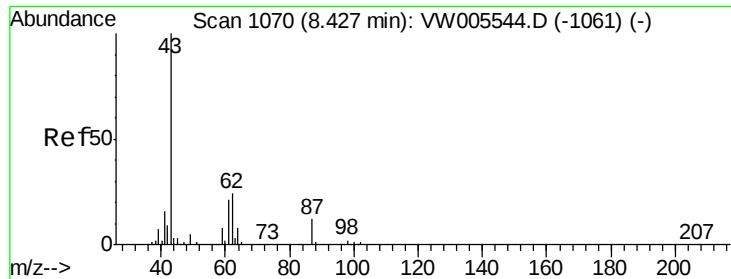
apatel  
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#42  
1,2-Dichloroethane  
Concen: 21.126 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 100 |       | 62963 |       |       |
| 98      | 8.4 | 0.0   | 15.6  |       |       |





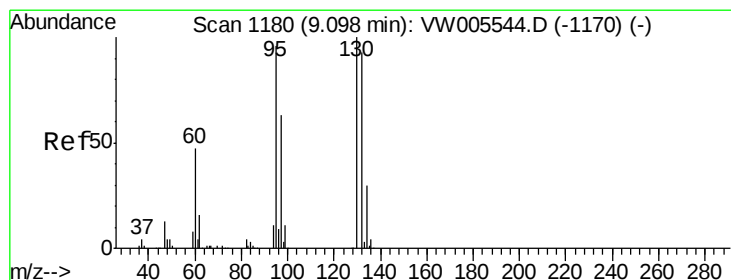
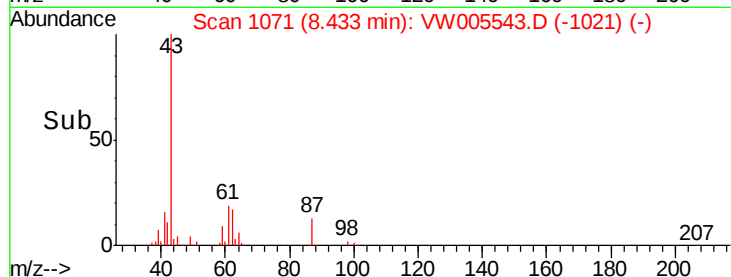
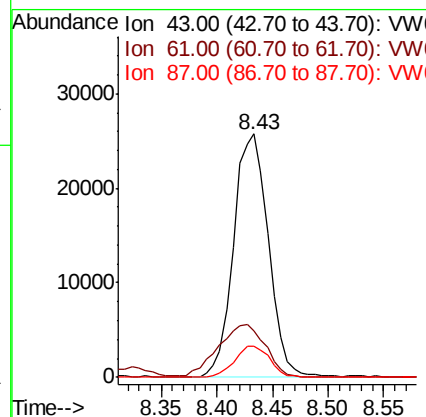
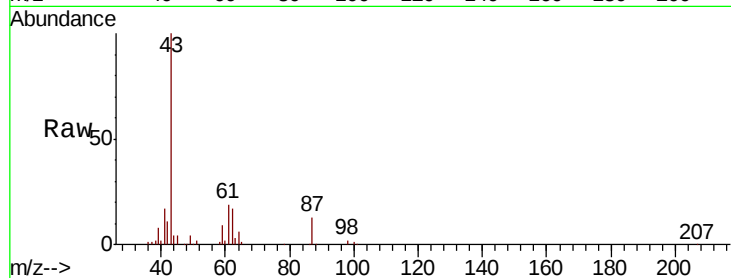
#43  
Isopropyl Acetate  
Concen: 21.438 ug/l  
RT: 8.43 min Scan# 1071  
Delta R.T. 0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.3  | 24.1  | 36.1  |
| 87      | 12.8  | 9.8   | 14.8  |

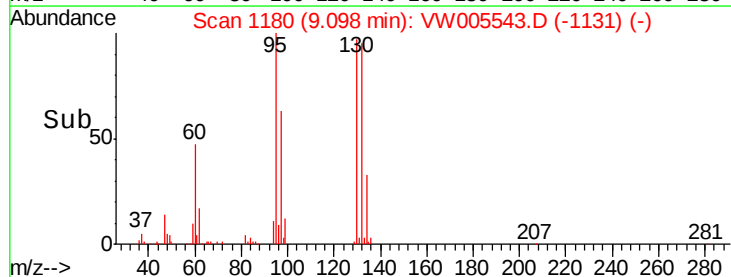
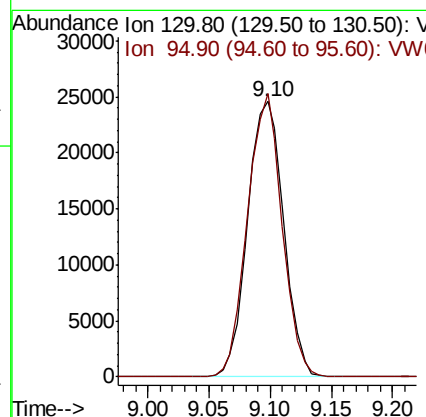
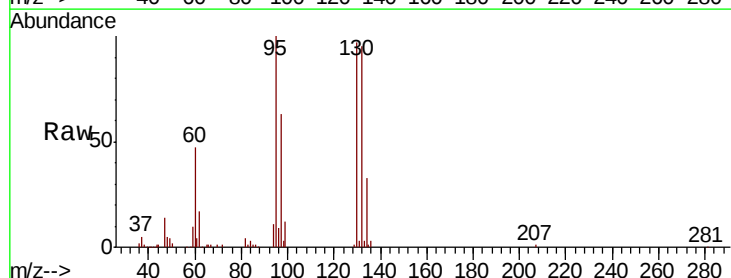
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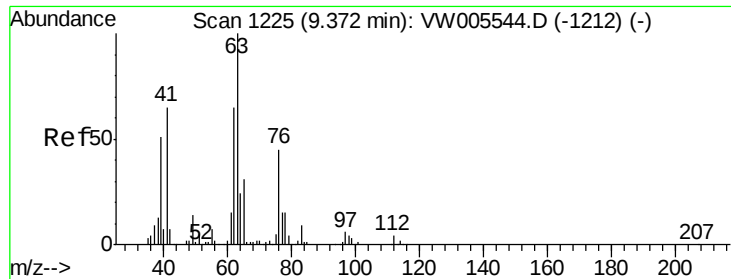
apatel  
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#44  
Trichloroethene  
Concen: 20.760 ug/l  
RT: 9.10 min Scan# 1180  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 102.7 | 0.0   | 191.2 |





#45

1,2-Dichloropropane

Concen: 21.125 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 47974

Ion Ratio Lower Upper

63 100

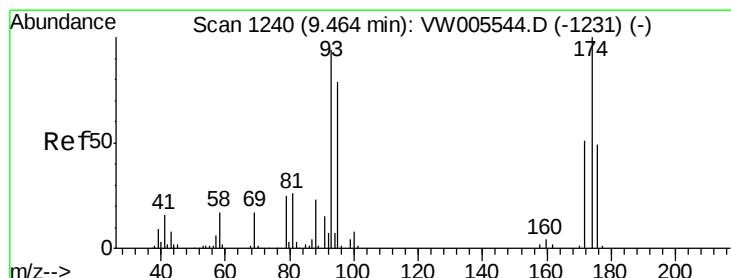
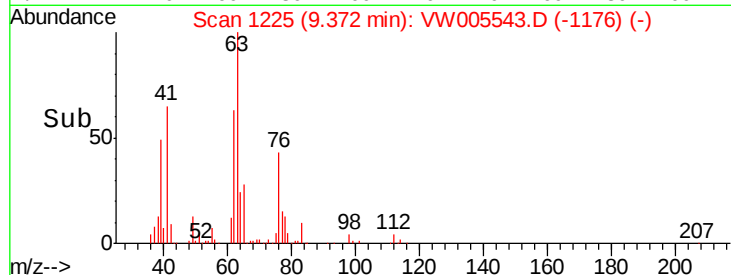
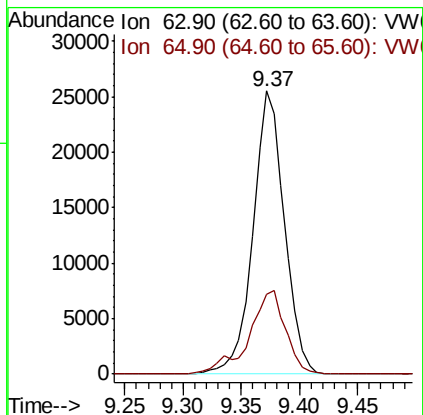
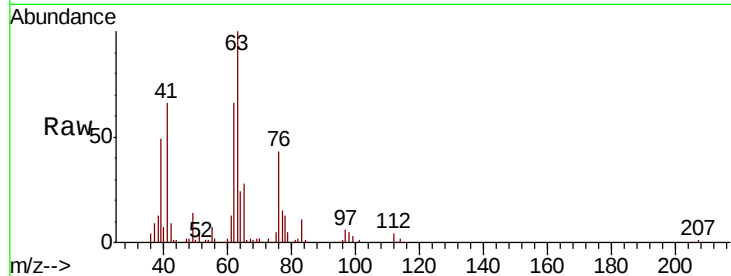
65 28.3 24.7 37.1

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#46

Dibromomethane

Concen: 21.520 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

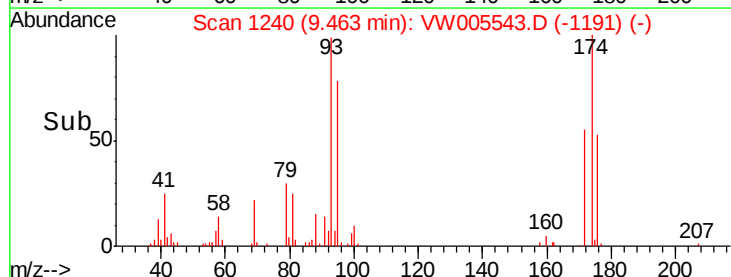
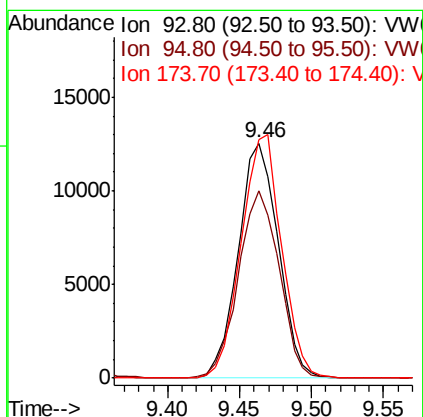
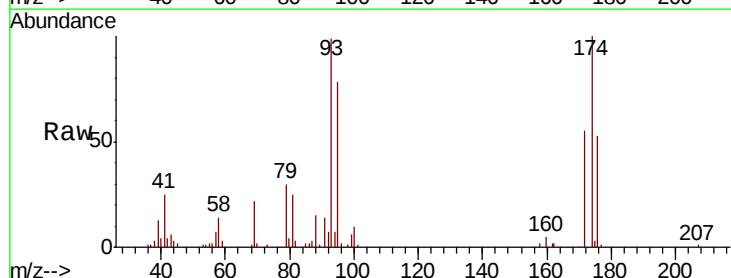
Tgt Ion: 93 Resp: 24151

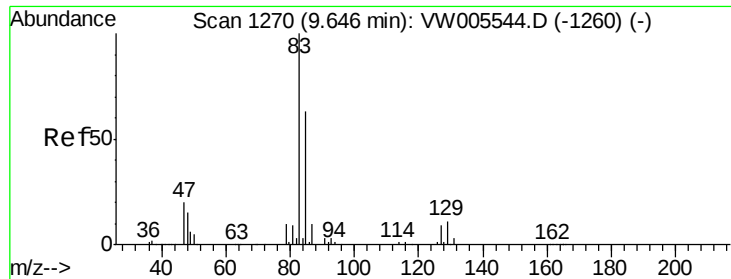
Ion Ratio Lower Upper

93 100

95 81.1 65.8 98.8

174 104.4 84.0 126.0





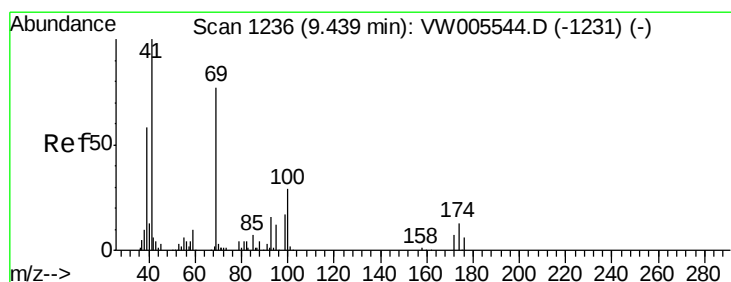
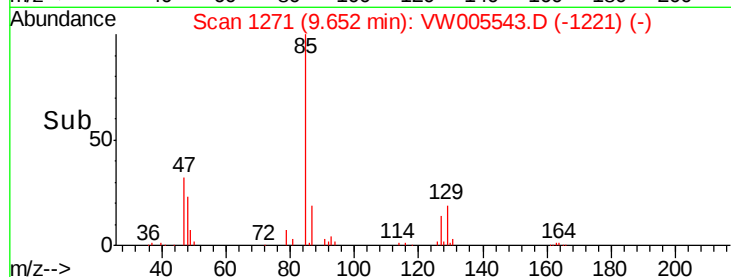
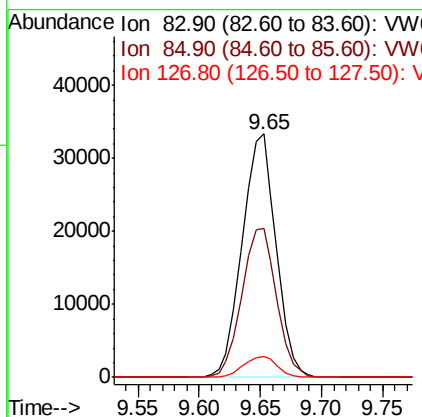
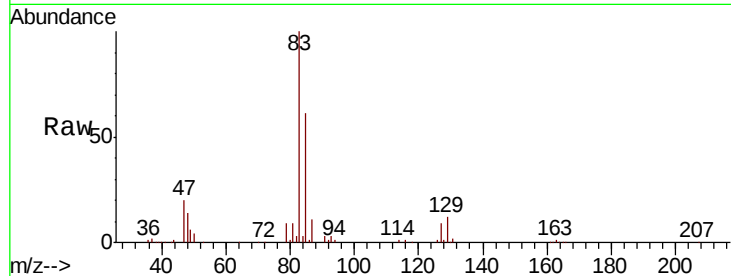
#47  
Bromodichloromethane  
Concen: 21.104 ug/l  
RT: 9.65 min Scan# 1271  
Delta R.T. 0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tot Ion | 83    | 85   | 127  |
|---------|-------|------|------|
| Resp    | 63982 |      |      |
| Ratio   | 100   | 61.3 | 8.7  |
| Lower   |       | 50.5 | 7.0  |
| Upper   |       | 75.7 | 10.6 |

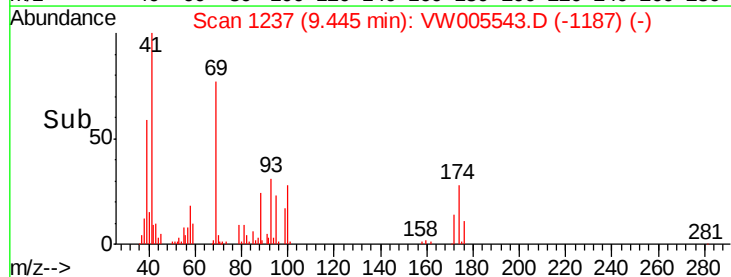
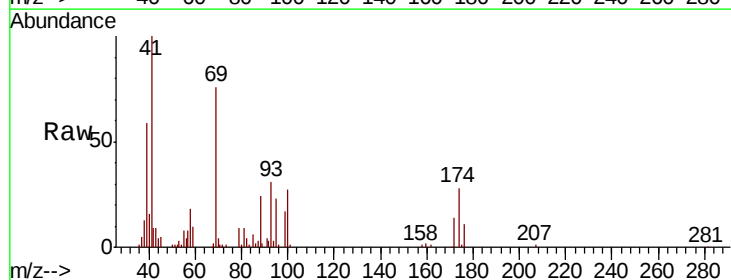
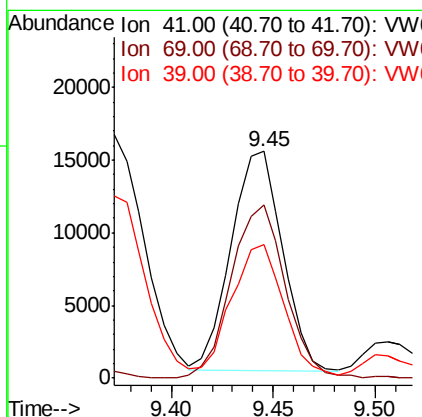
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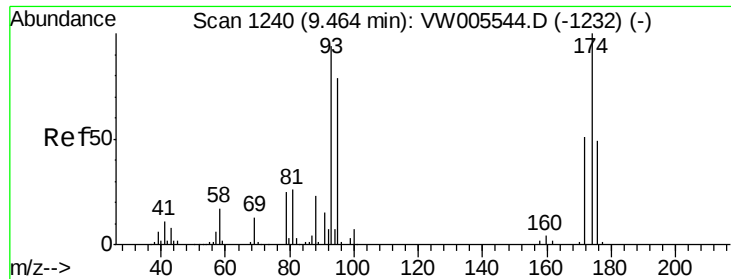
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#48  
Methyl methacrylate  
Concen: 20.645 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. 0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | 41    | 69   | 39   |
|---------|-------|------|------|
| Resp    | 26585 |      |      |
| Ratio   | 100   | 83.4 | 62.8 |
| Lower   |       | 64.7 | 50.5 |
| Upper   |       | 97.1 | 75.7 |





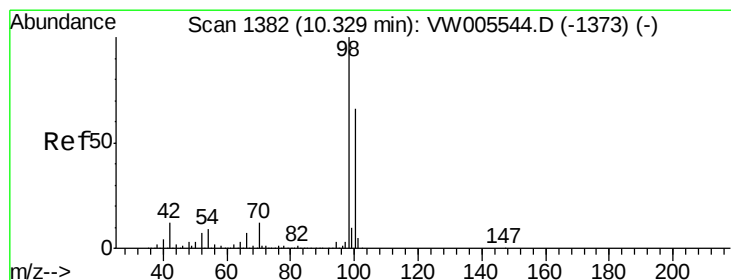
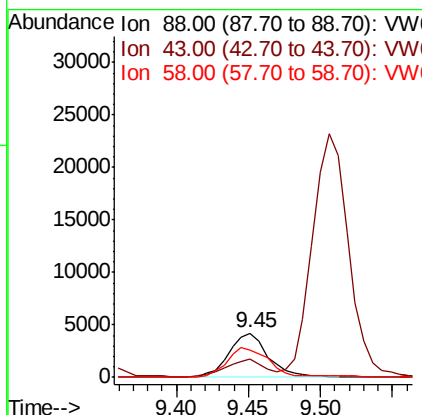
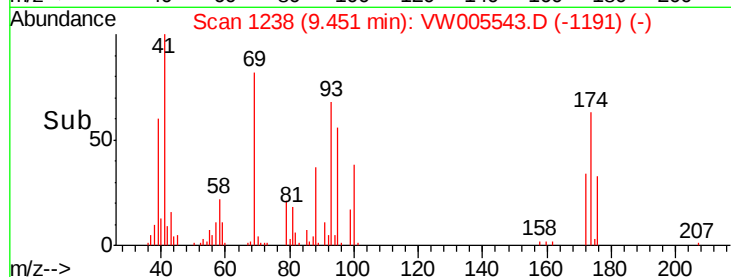
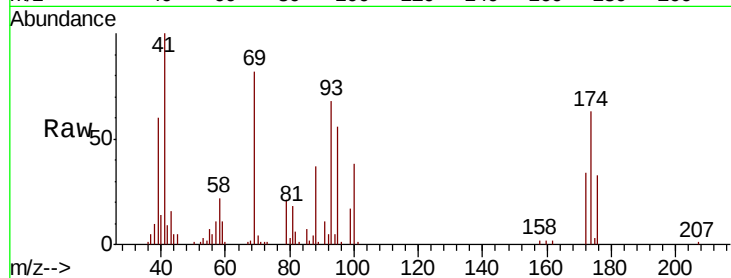
#49  
1,4-Dioxane  
Concen: 435.972 ug/l  
RT: 9.45 min Scan# 1238  
Delta R.T. -0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

Tot Ion: 88 Resp: 7954  
Ion Ratio Lower Upper  
88 100  
43 40.8 0.0 0.0#  
58 72.2 61.2 91.8

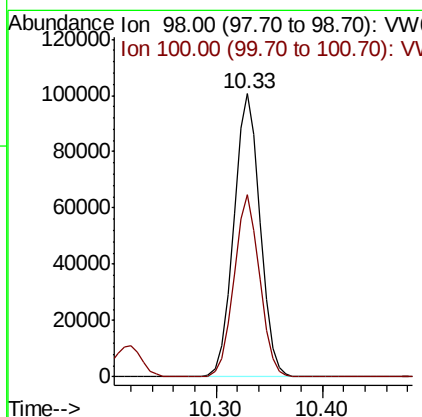
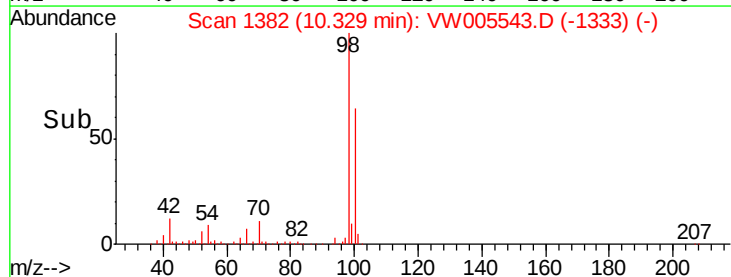
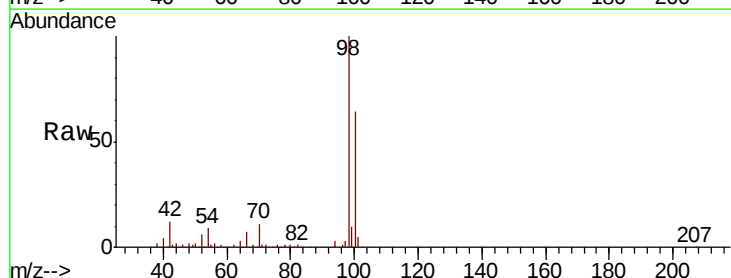
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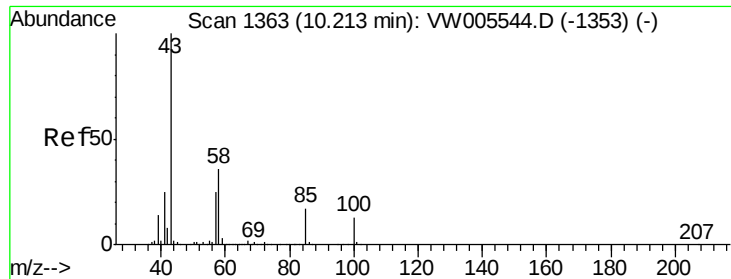
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#50  
Toluene-d8  
Concen: 19.776 ug/l  
RT: 10.33 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Tgt Ion: 98 Resp: 173813  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 106.835 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 142256

Ion Ratio Lower Upper

43 100

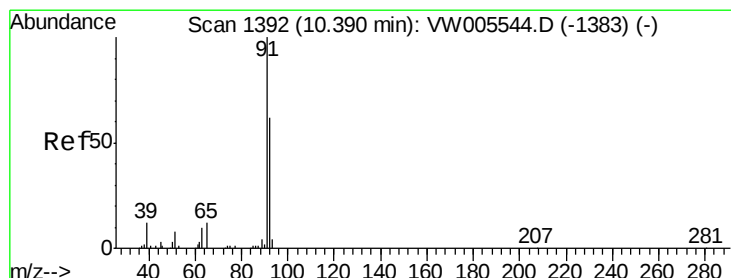
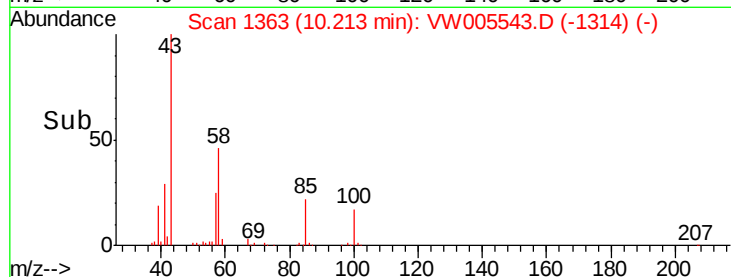
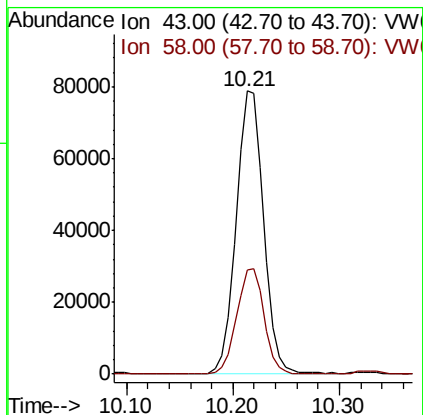
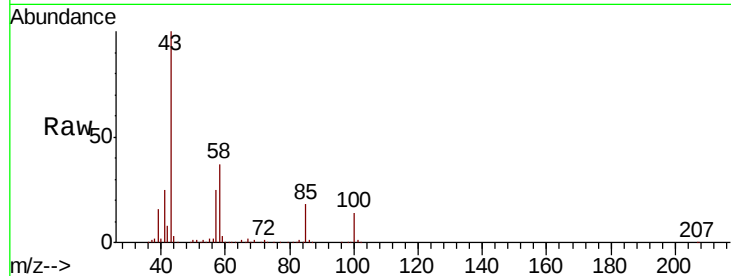
58 37.1 30.0 45.0

Manual Integrations

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#52

Toluene

Concen: 19.689 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005543.D

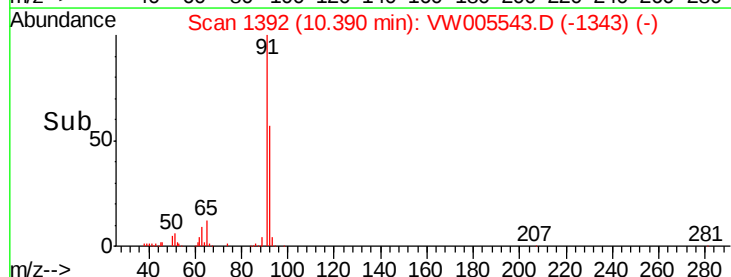
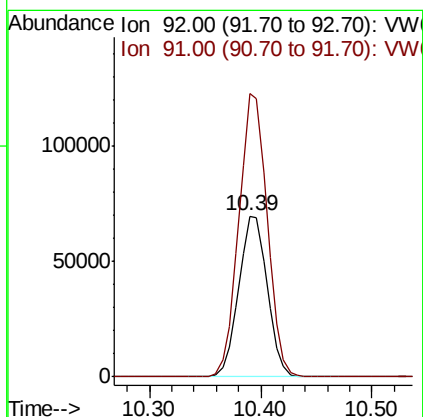
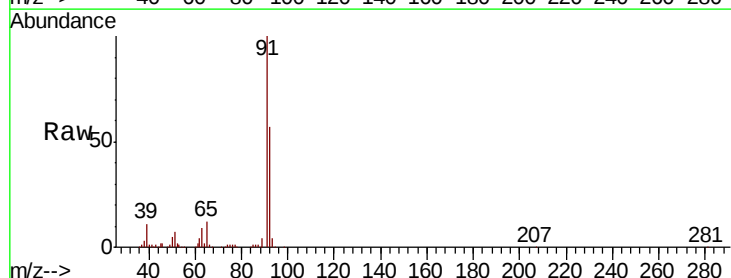
Acq: 20 Sep 2018 21:28

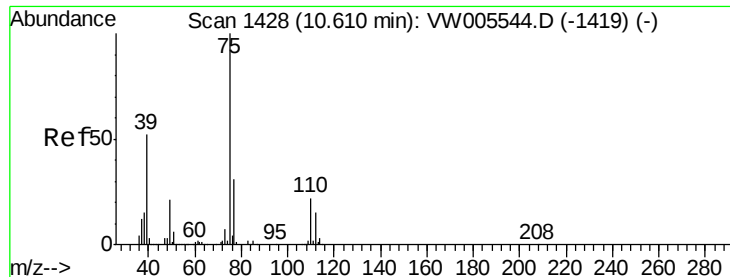
Tgt Ion: 92 Resp: 123921

Ion Ratio Lower Upper

92 100

91 175.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.783 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 63090

Ion Ratio Lower Upper

75 100

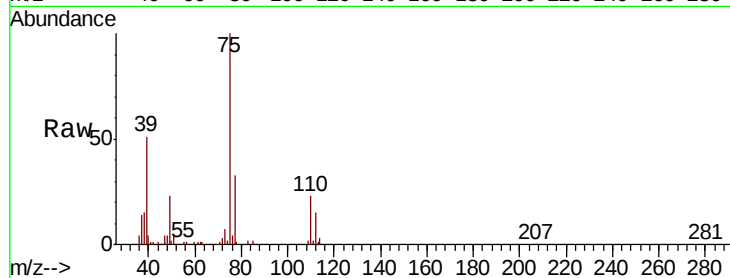
77 32.8 24.6 37.0

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

40000

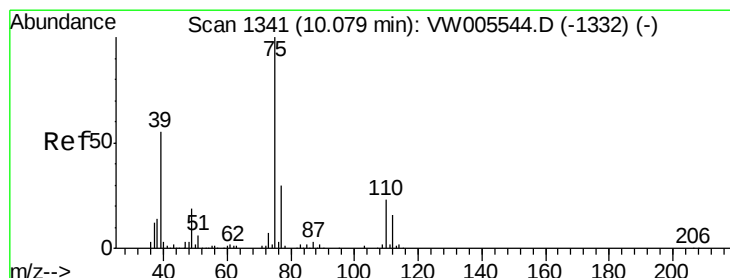
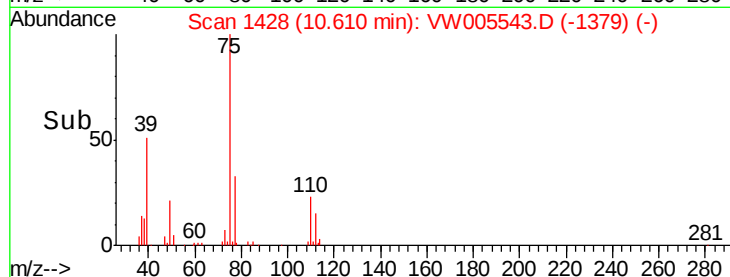
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.115 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

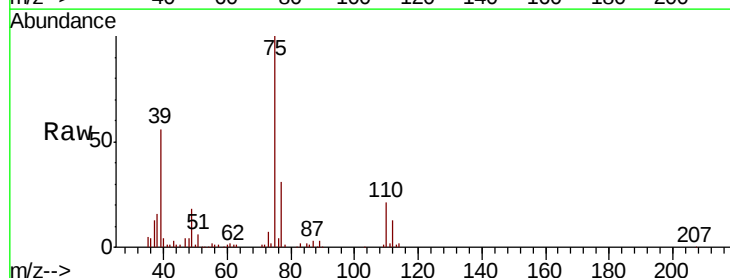
Tgt Ion: 75 Resp: 72541

Ion Ratio Lower Upper

75 100

77 31.4 24.3 36.5

39 55.8 43.7 65.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

50000

40000

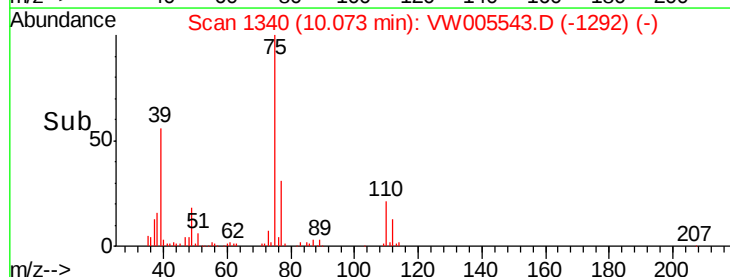
30000

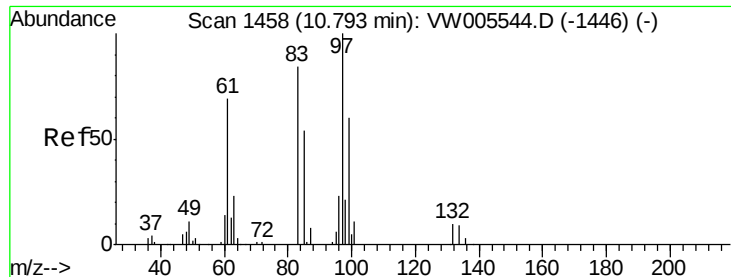
20000

10000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.623 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

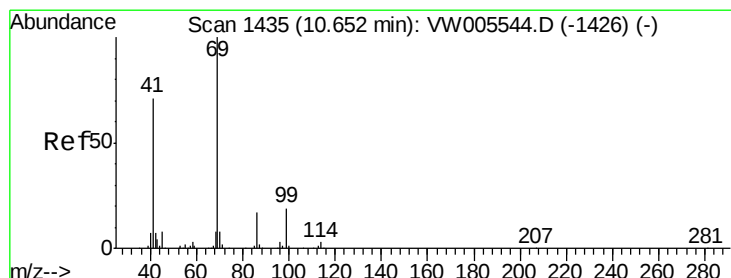
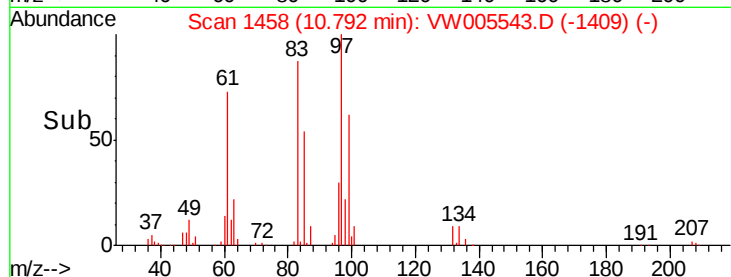
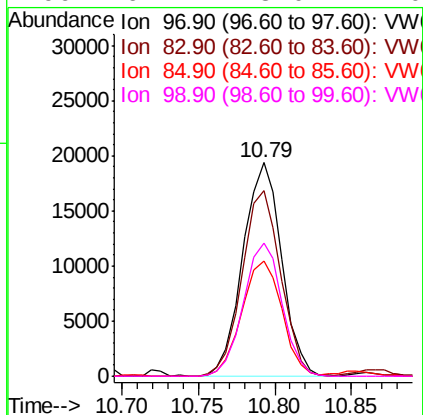
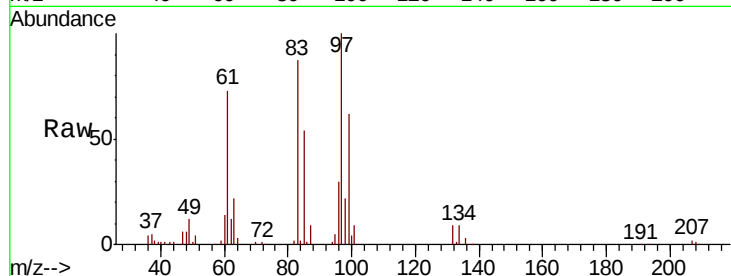
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 34180 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.1  | 67.4  | 101.2 |
| 85       | 54.2  | 43.3  | 64.9  |
| 99       | 62.1  | 48.0  | 72.0  |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 19.791 ug/l

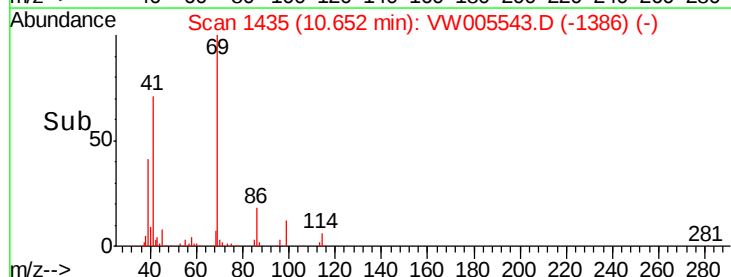
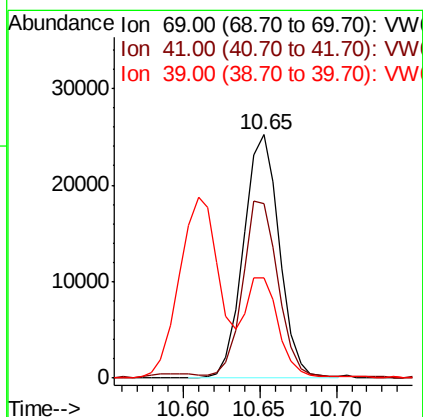
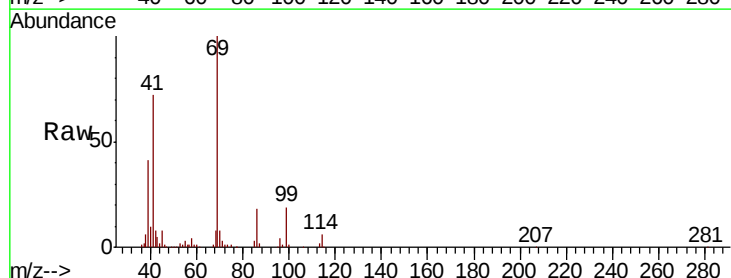
RT: 10.65 min Scan# 1435

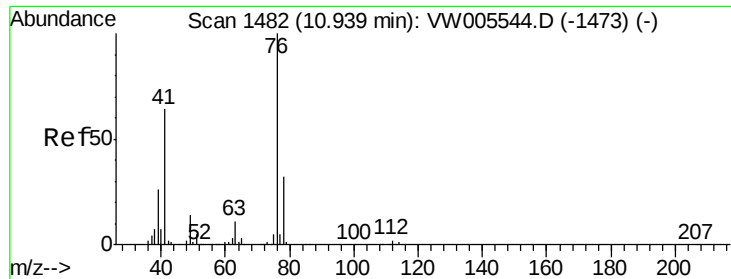
Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 41061 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 71.0  | 57.3  | 85.9  |
| 39       | 37.0  | 29.2  | 43.8  |





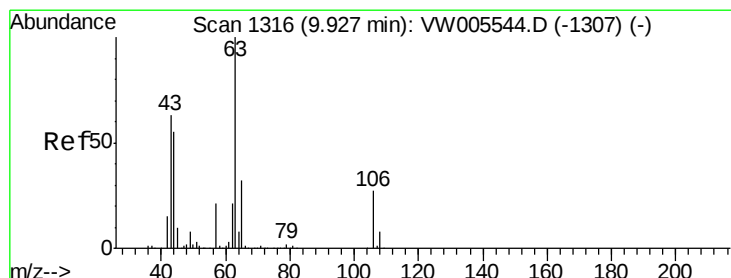
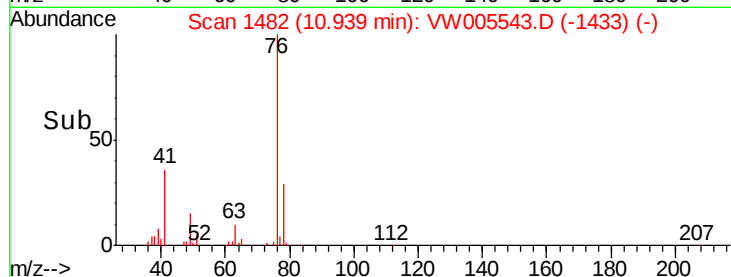
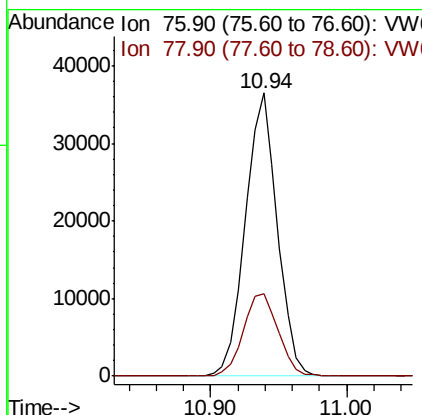
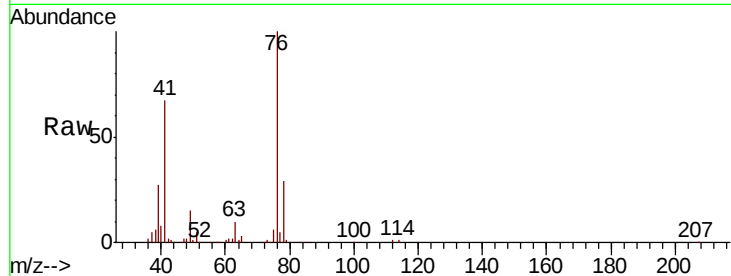
#57  
 1,3-Dichloropropane  
 Concen: 20.958 ug/l  
 RT: 10.94 min Scan# 1482  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.8  | 25.6  | 38.4  |

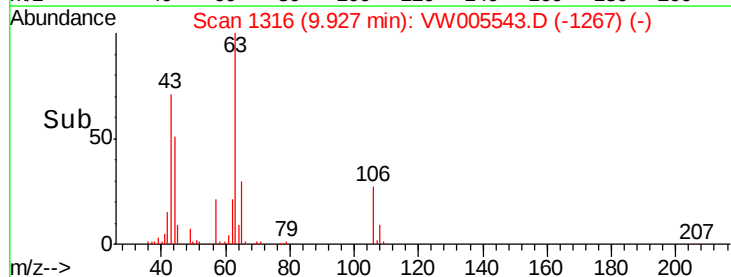
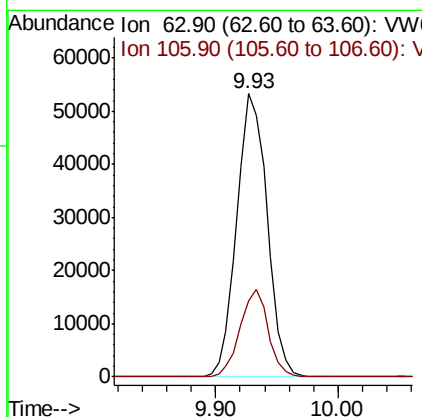
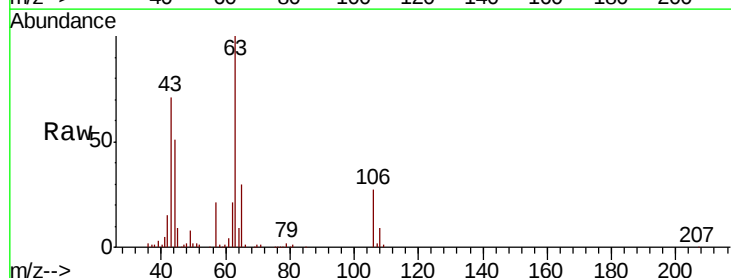
Manual Integrations  
 APPROVED

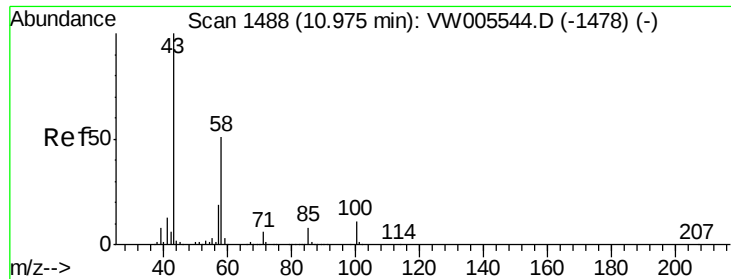
apatel  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 97.359 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.8  | 21.6  | 32.4  |





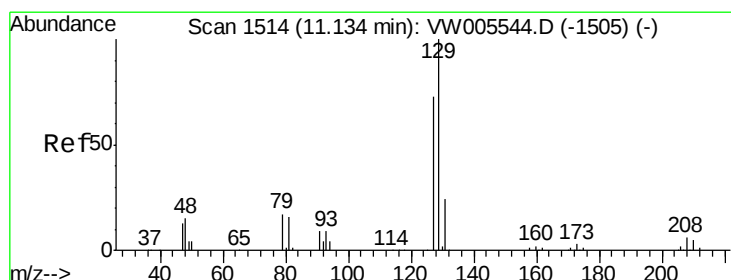
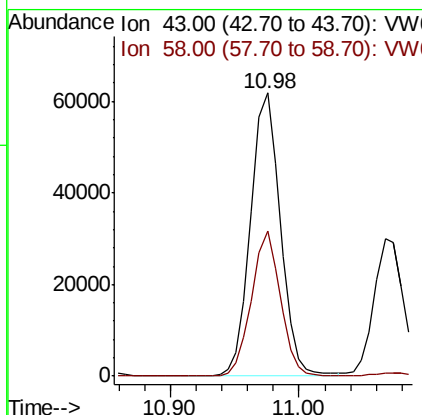
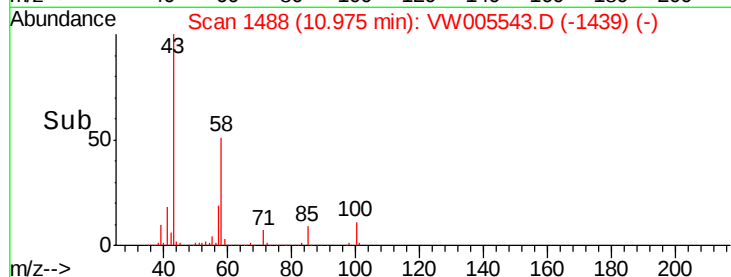
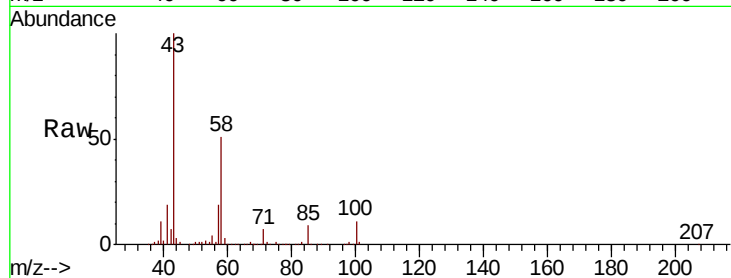
#59  
2-Hexanone  
Concen: 109.278 ug/l  
RT: 10.98 min Scan# 1488  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Tot Ion: 43 Resp: 98744  
Ion Ratio Lower Upper  
43 100  
58 49.6 25.3 75.9

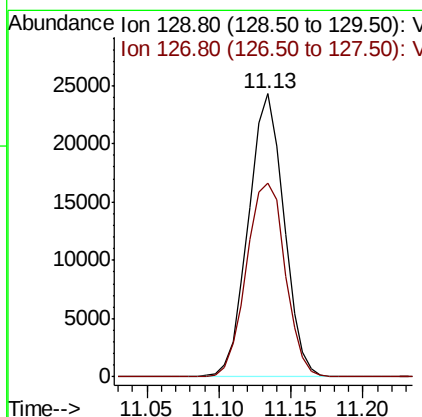
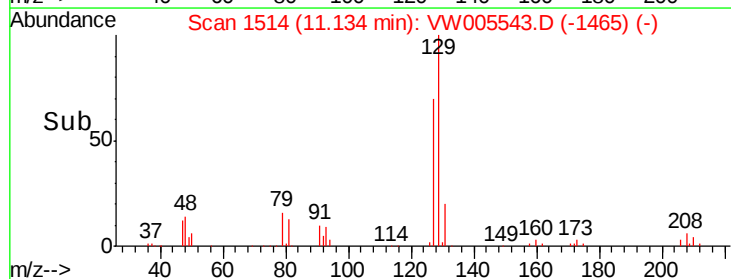
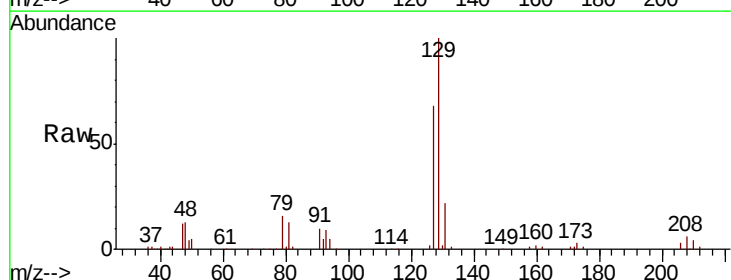
Manual Integrations  
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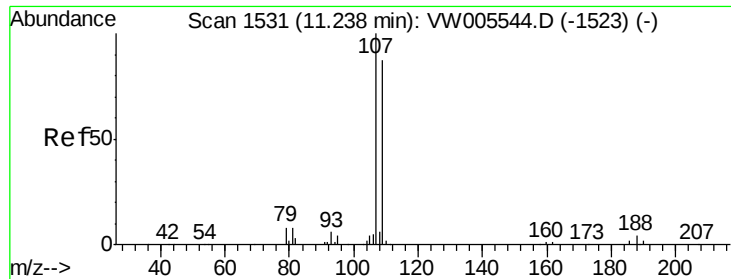
apatel  
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#60  
Dibromochloromethane  
Concen: 20.863 ug/l  
RT: 11.13 min Scan# 1514  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Tgt Ion: 129 Resp: 41542  
Ion Ratio Lower Upper  
129 100  
127 74.3 38.5 115.5





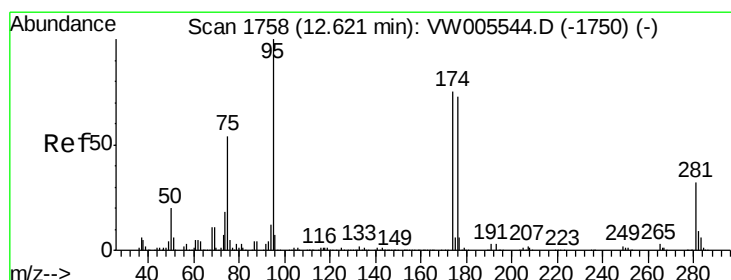
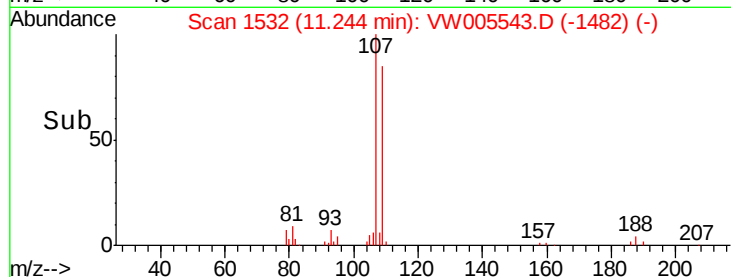
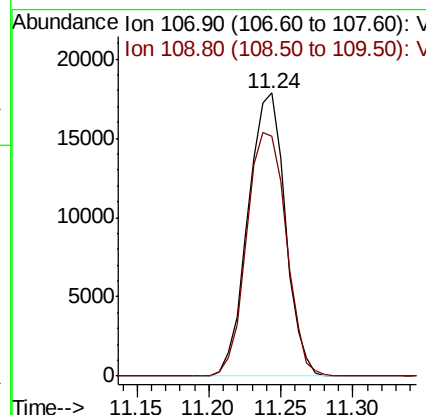
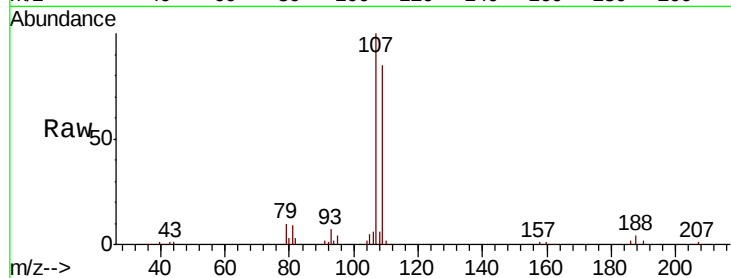
#61  
 1,2-Dibromoethane  
 Concen: 21.396 ug/l  
 RT: 11.24 min Scan# 1532  
 Delta R.T. 0.01 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Tot Ion: 107 Resp: 31912  
 Ion Ratio Lower Upper  
 107 100  
 109 91.5 73.4 110.0

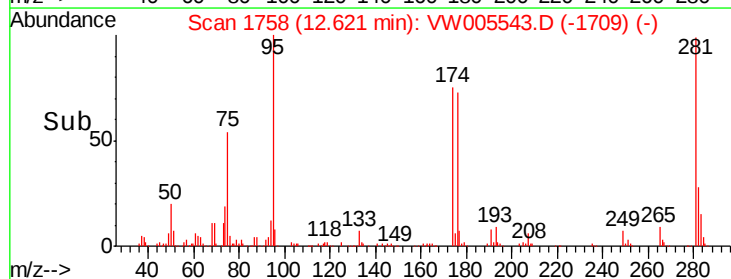
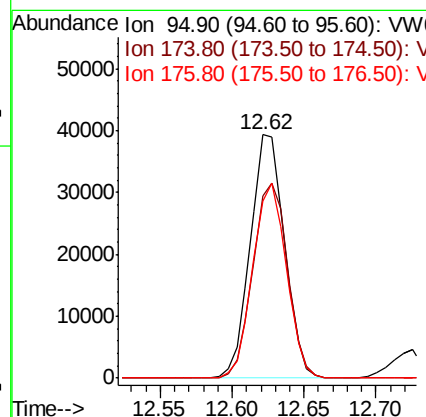
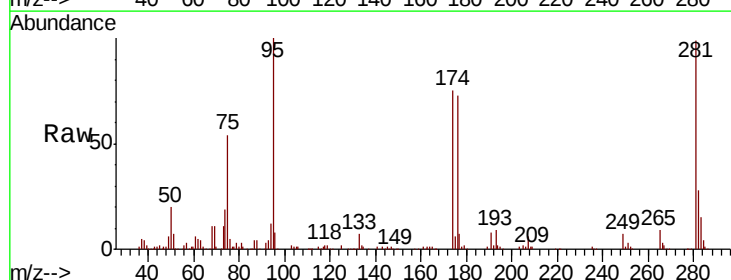
Manual Integrations  
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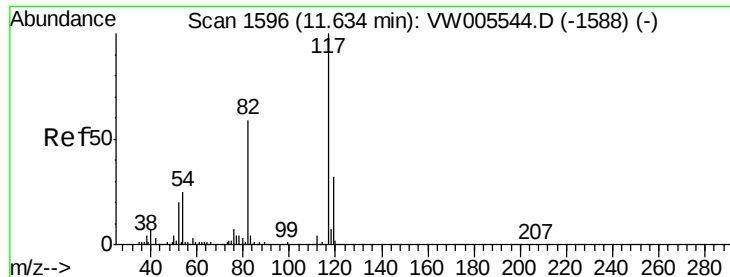
apatel  
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#62  
 4-Bromofluorobenzene  
 Concen: 20.040 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

Tgt Ion: 95 Resp: 64449  
 Ion Ratio Lower Upper  
 95 100  
 174 81.4 0.0 163.8  
 176 78.9 0.0 158.0





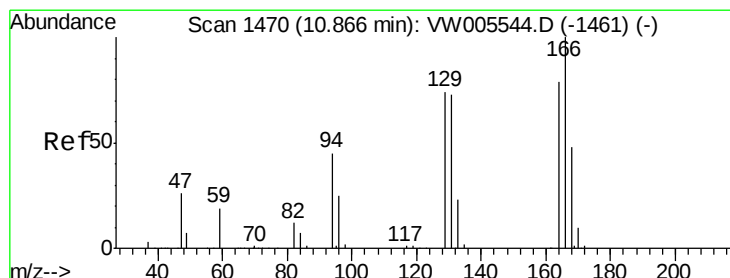
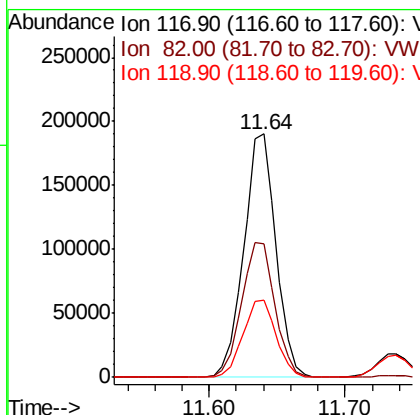
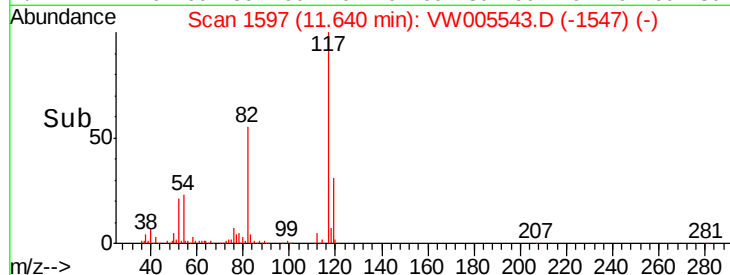
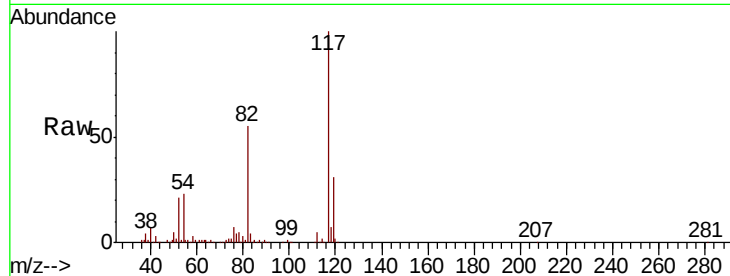
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. 0.01 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.0  | 46.9  | 70.3  |
| 119     | 31.5  | 25.7  | 38.5  |

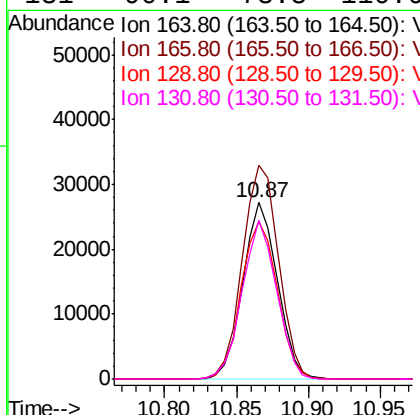
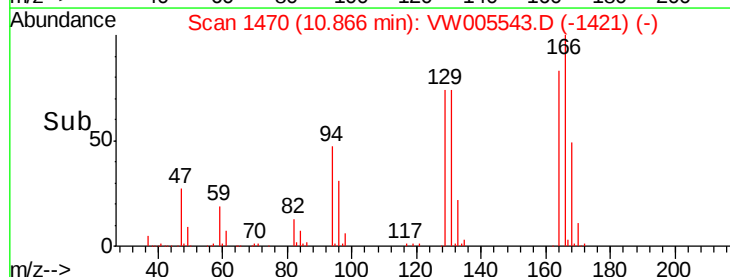
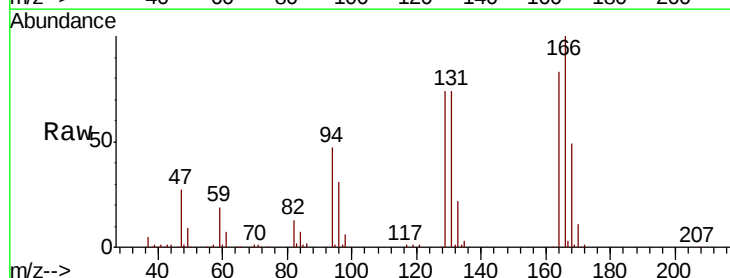
Manual Integrations  
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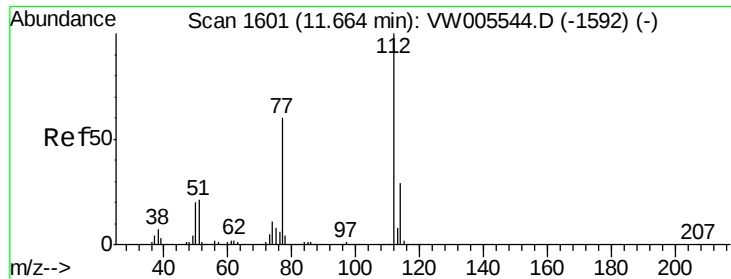
apatel  
9/21/2018 4:21:50 PM



#64  
Tetrachloroethene  
Concen: 19.550 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 121.0 | 101.1 | 151.7 |
| 129     | 89.0  | 74.4  | 111.6 |
| 131     | 90.1  | 73.8  | 110.6 |





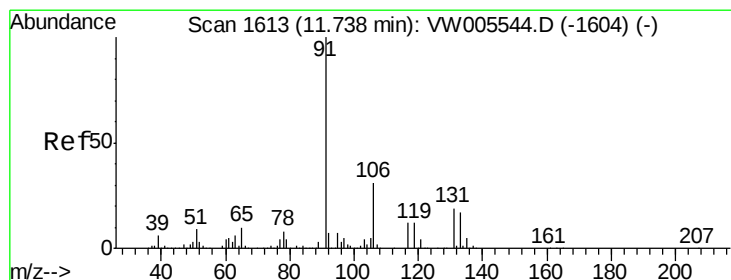
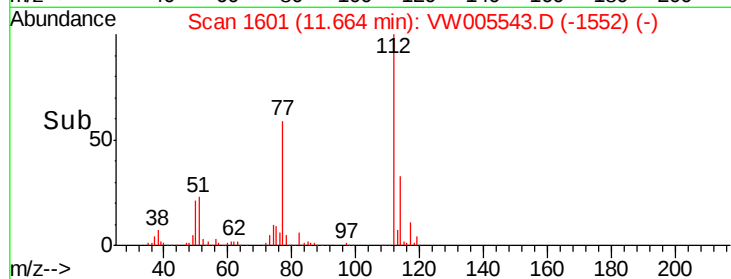
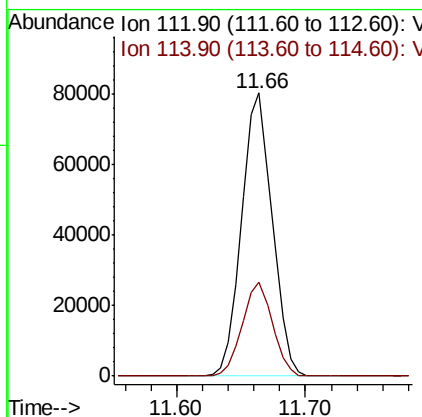
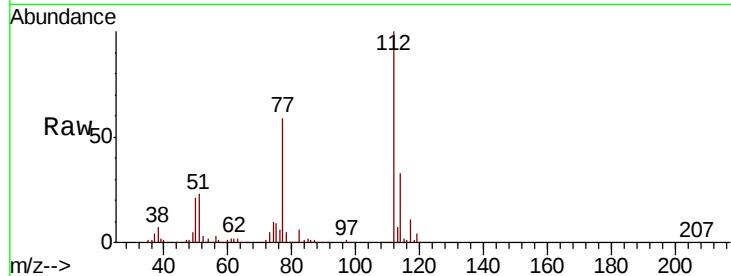
#65  
Chlorobenzene  
Concen: 19.636 ug/l  
RT: 11.66 min Scan# 1601  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 131552 |       |       |
| 114     | 33.3  | 22.9   | 34.3  |       |

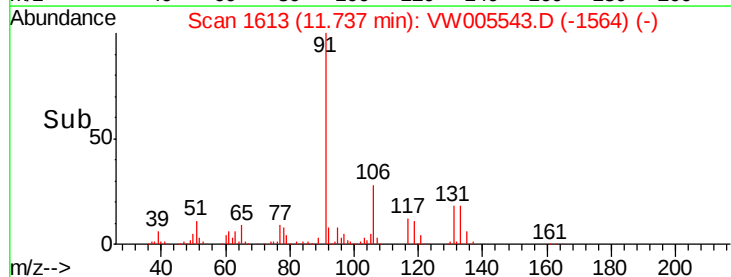
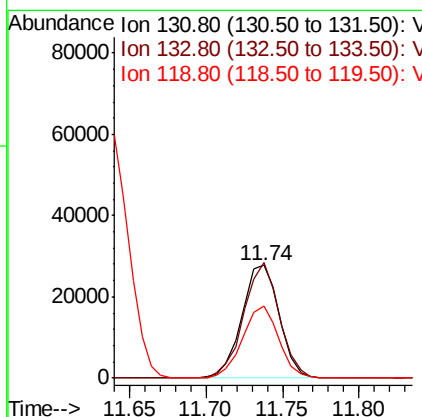
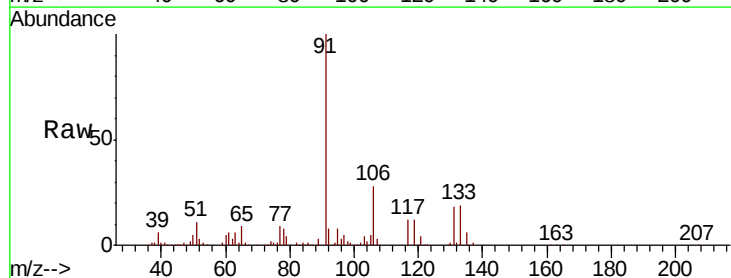
Manual Integrations  
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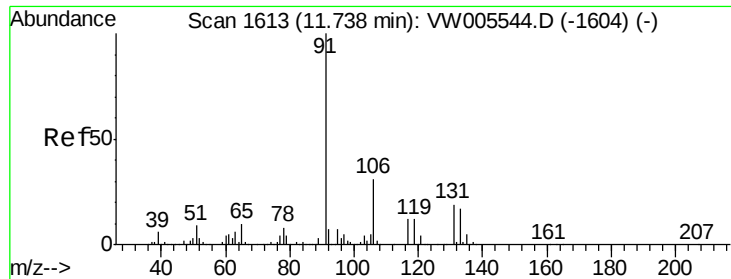
apatel  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.619 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 47336 |       |       |
| 133     | 97.4  | 47.2  | 141.6 |       |
| 119     | 62.3  | 31.1  | 93.2  |       |





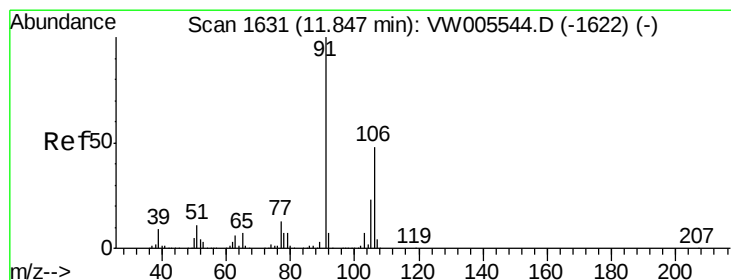
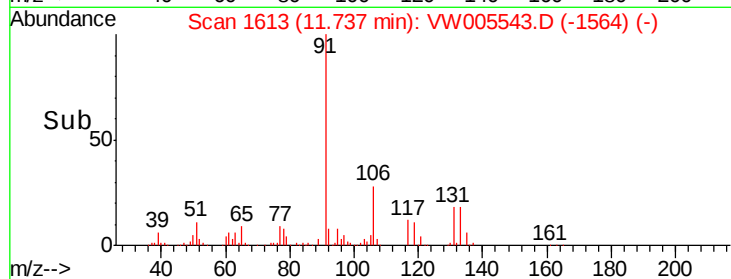
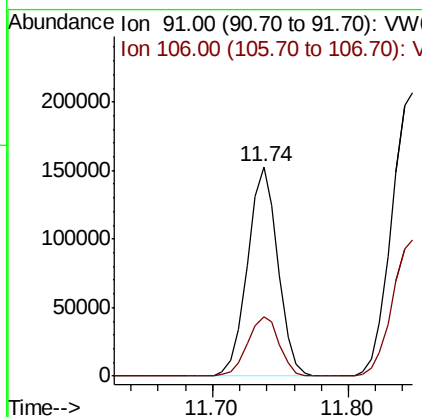
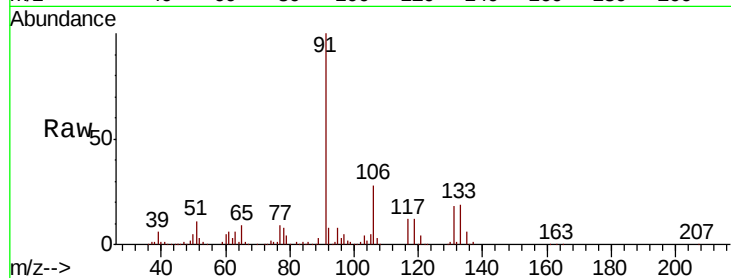
#67  
Ethyl Benzene  
Concen: 20.202 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Tot Ion: 91 Resp: 238082  
Ion Ratio Lower Upper  
91 100  
106 28.5 24.4 36.6

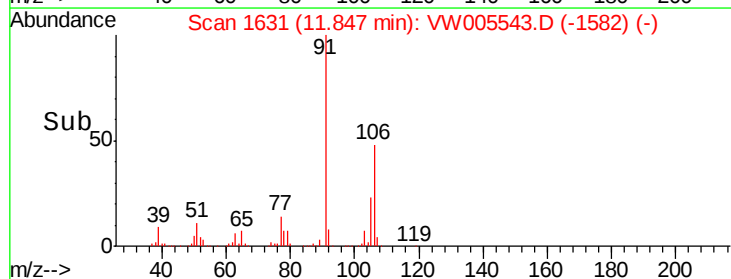
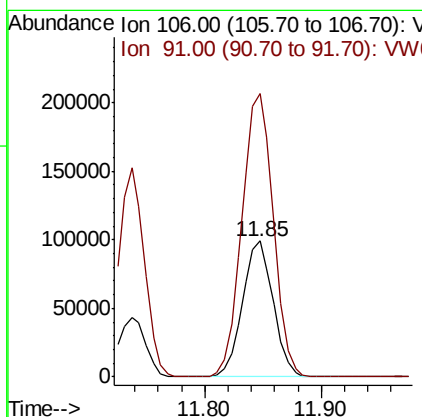
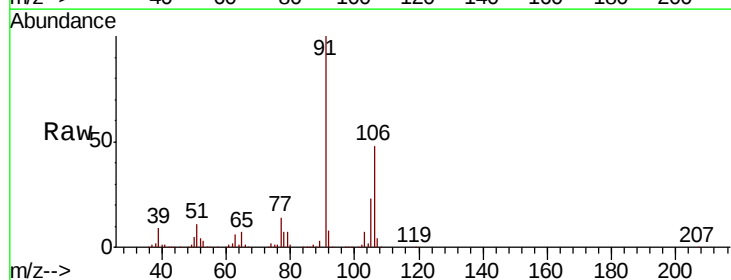
Manual Integrations  
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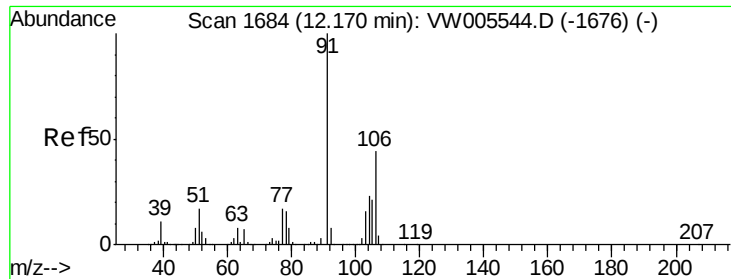
apatel  
9/21/2018 4:21:50 PM



#68  
m/p-Xylenes  
Concen: 40.025 ug/l  
RT: 11.85 min Scan# 1631  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Tgt Ion: 106 Resp: 181127  
Ion Ratio Lower Upper  
106 100  
91 213.6 167.8 251.8





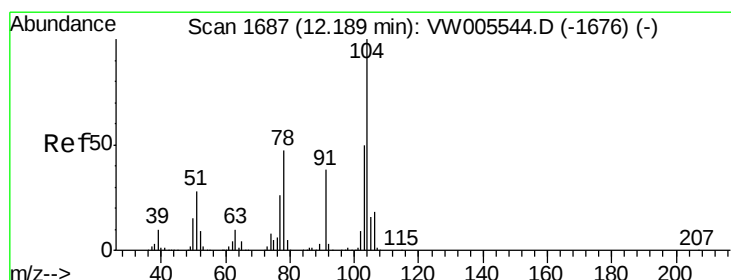
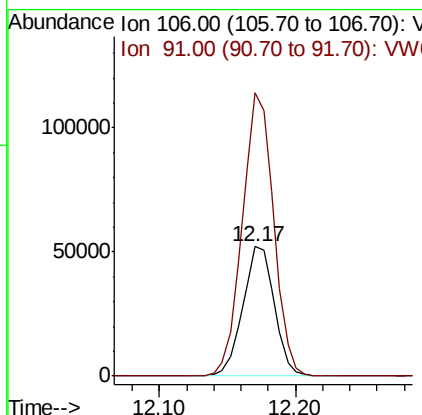
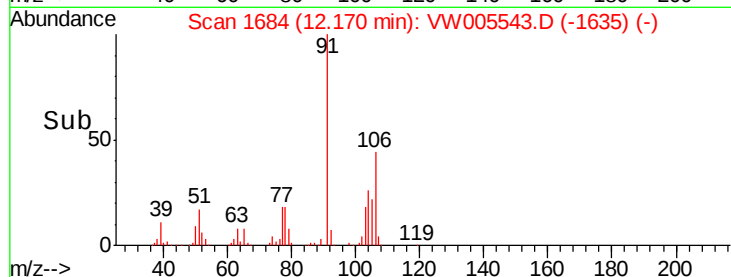
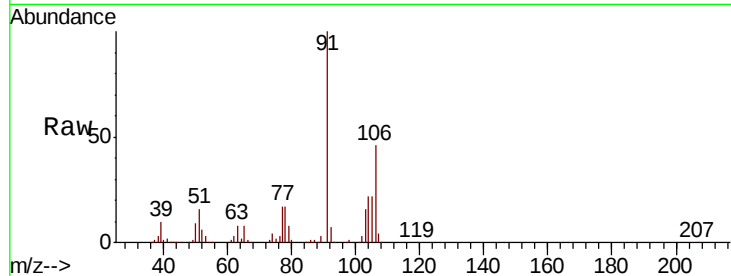
#69  
o-Xylene  
Concen: 20.019 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

Tot Ion:106 Resp: 84337  
Ion Ratio Lower Upper  
106 100  
91 218.1 111.0 333.0

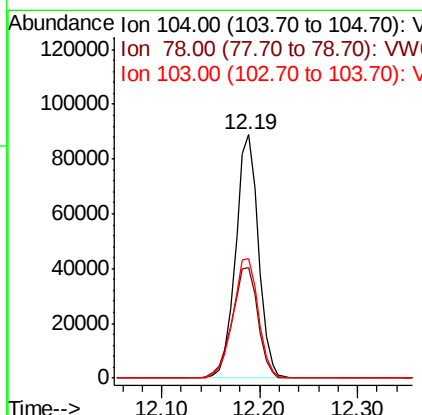
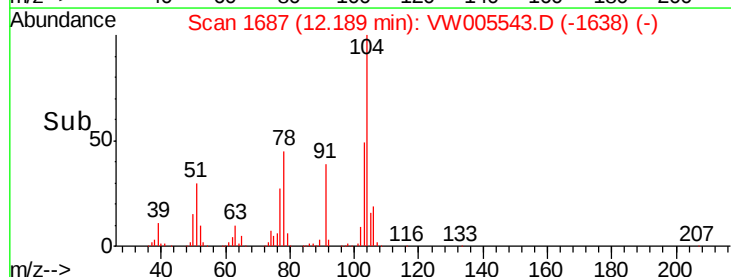
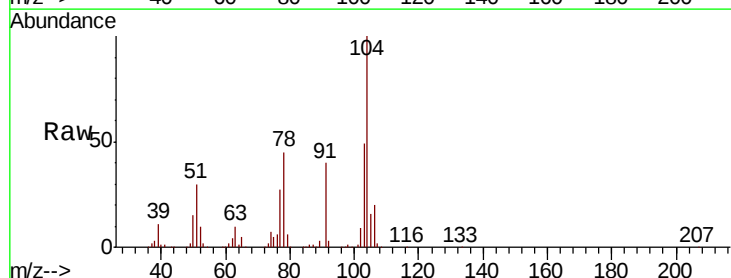
Manual Integrations  
APPROVED

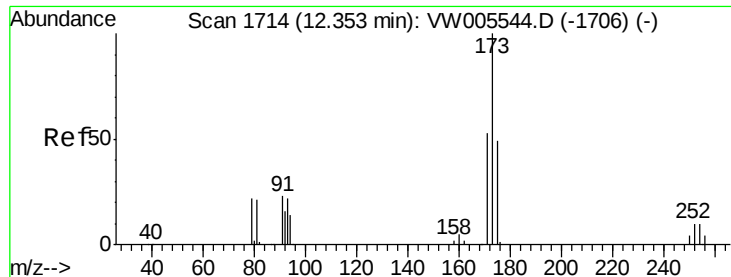
apatel  
9/21/2018 4:21:50 PM



#70  
Styrene  
Concen: 20.516 ug/l  
RT: 12.19 min Scan# 1687  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Tgt Ion:104 Resp: 143209  
Ion Ratio Lower Upper  
104 100  
78 51.7 42.2 63.4  
103 54.9 44.6 66.8





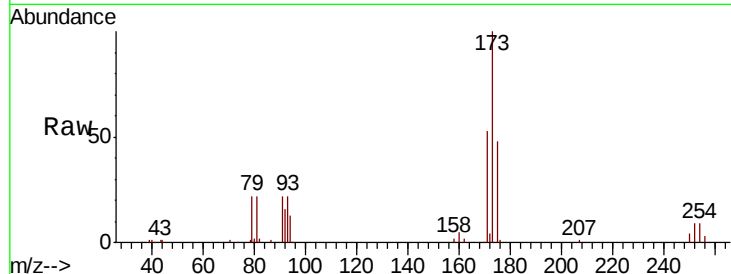
#71  
Bromoform  
Concen: 21.963 ug/l  
RT: 12.35 min Scan# 1714  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 46.8  | 24.3  | 72.9  |
| 254     | 0.0   | 0.1   | 0.1#  |

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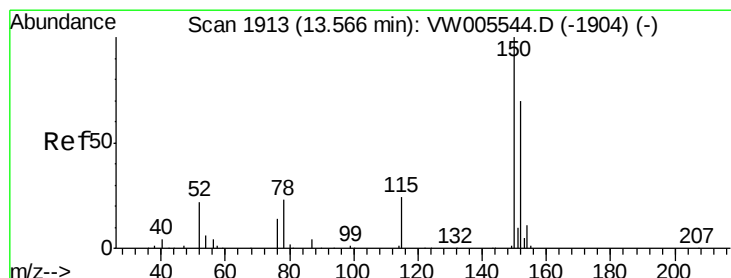
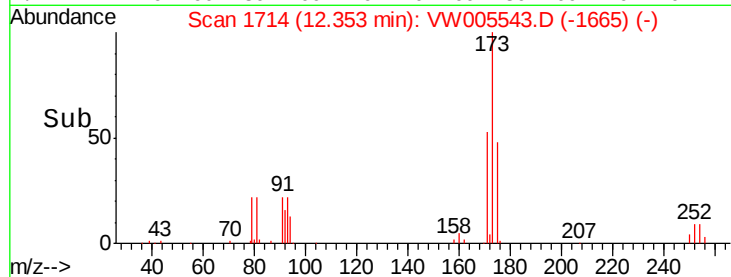
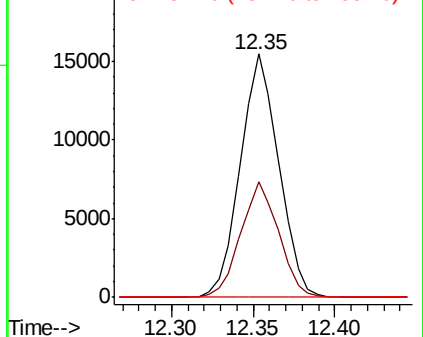


Abundance

Ion 172.70 (172.40 to 173.40): V

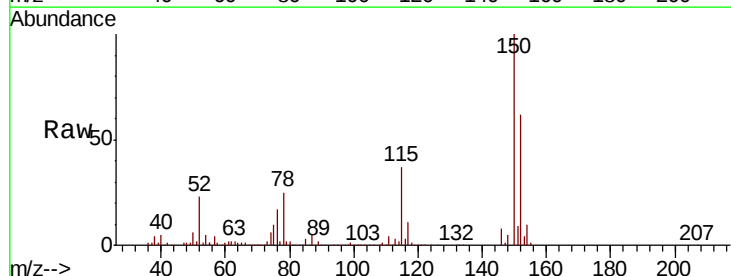
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.5  | 30.0  | 90.0  |
| 150     | 161.5 | 0.0   | 348.6 |

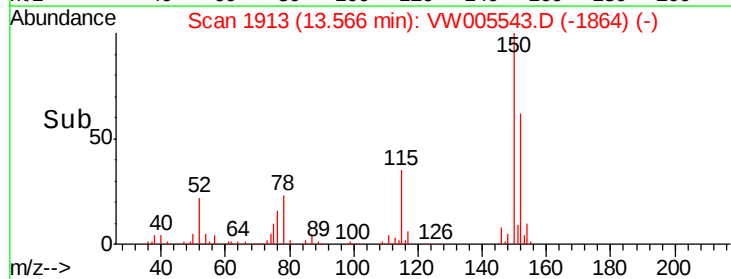
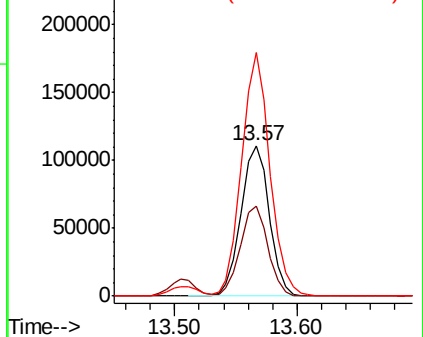


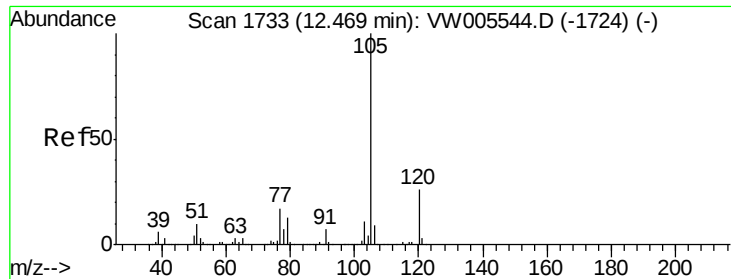
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





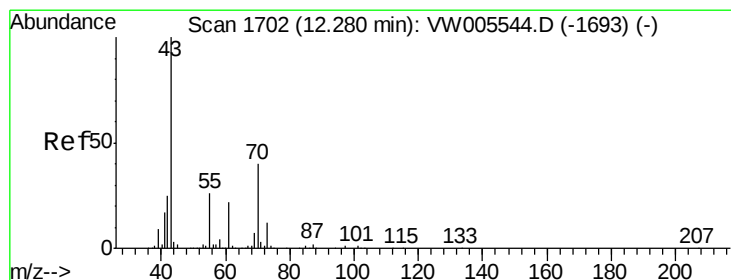
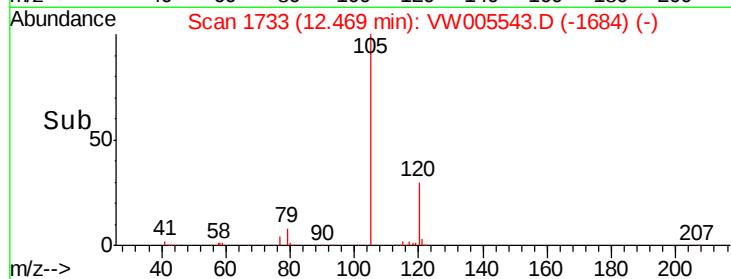
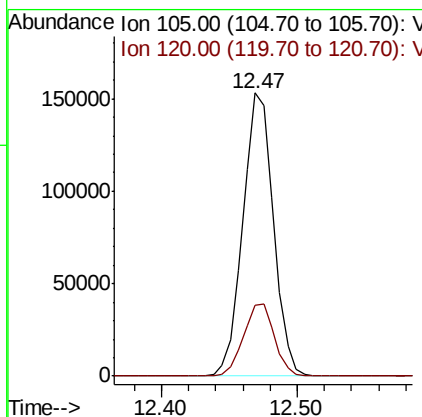
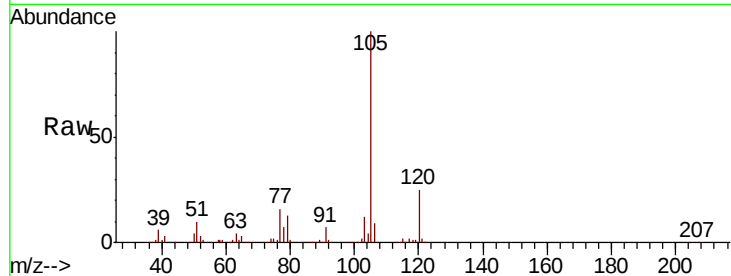
#73  
Isopropylbenzene  
Concen: 19.222 ug/l  
RT: 12.47 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 25.8  | 12.9  | 38.7  |

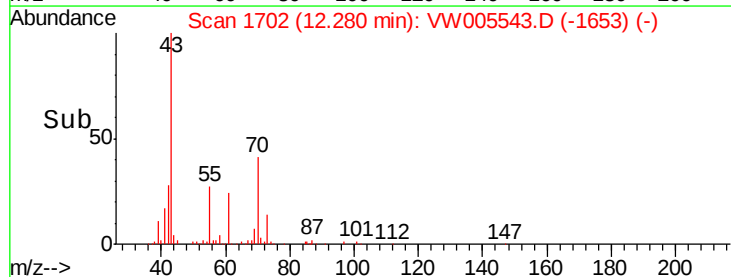
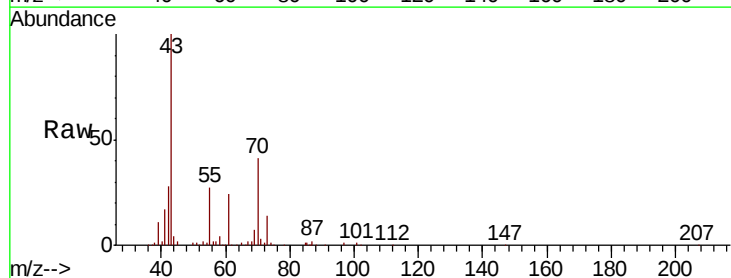
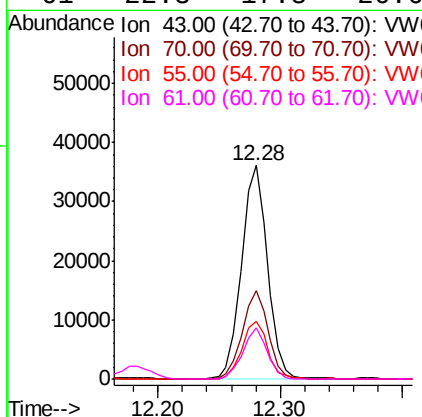
Manual Integrations  
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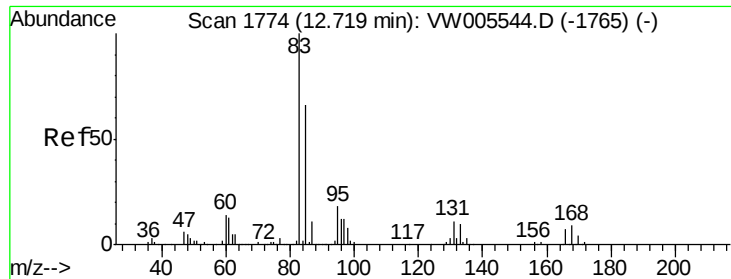
apatel  
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#74  
N-ethyl acetate  
Concen: 20.030 ug/l  
RT: 12.28 min Scan# 1702  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 40.9  | 31.4  | 47.0  |
| 55      | 26.8  | 20.9  | 31.3  |
| 61      | 22.3  | 17.8  | 26.6  |





#75

1,1,2,2-Tetrachloroethane

Concen: 21.408 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

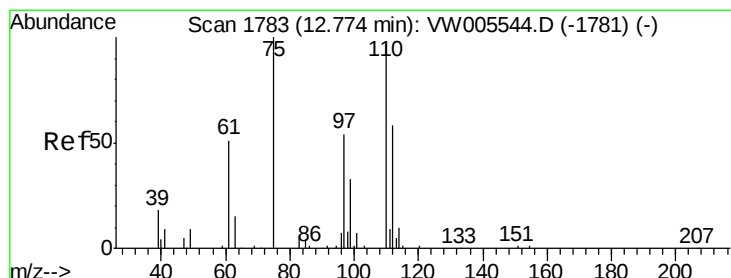
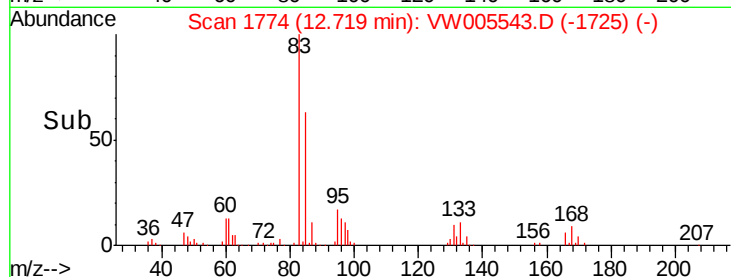
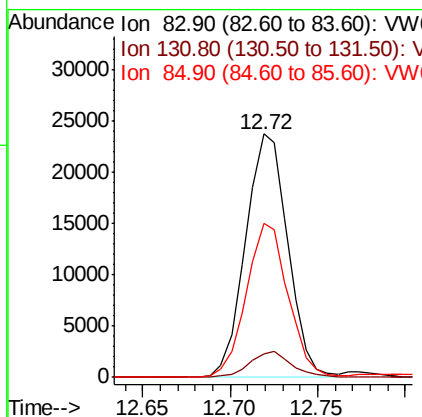
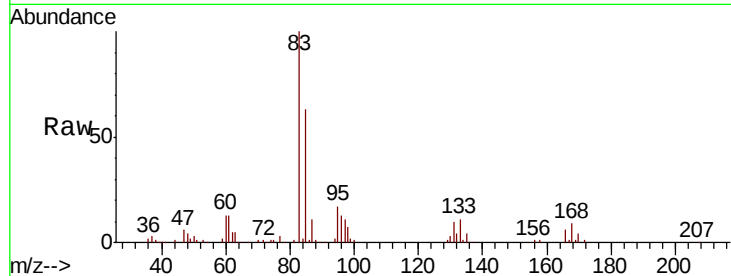
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 39864 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.7  | 5.5   | 16.7  |
| 85        | 63.1  | 32.4  | 97.0  |

Manual Integrations  
APPROVED

apatel  
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#76

1,2,3-Trichloropropane

Concen: 20.283 ug/l m

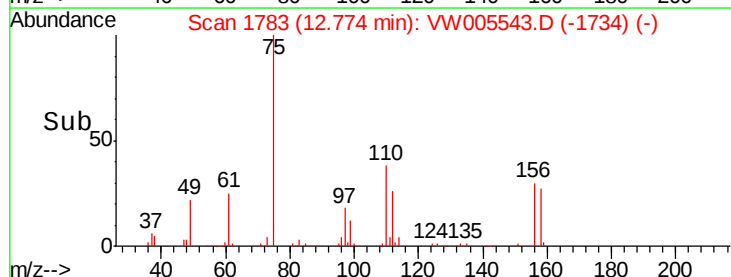
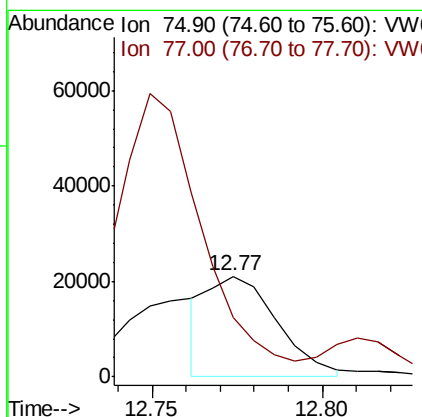
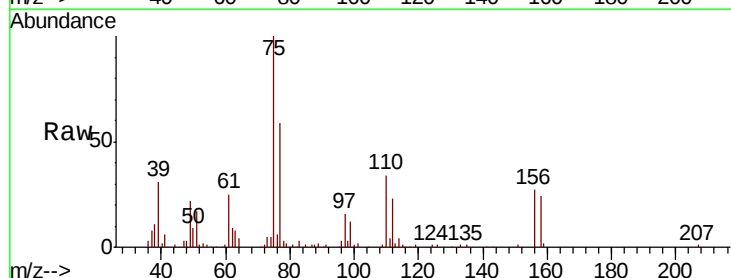
RT: 12.77 min Scan# 1783

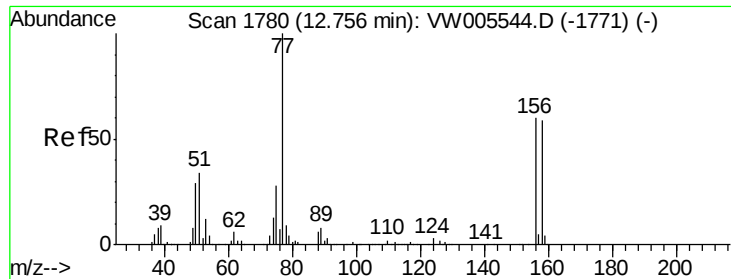
Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 30007 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 18.762 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

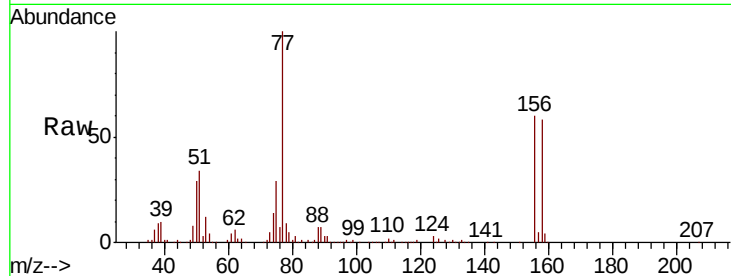
ClientSampleId :

VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 191.8 | 94.7  | 284.1 |
| 158     | 95.9  | 48.0  | 144.2 |

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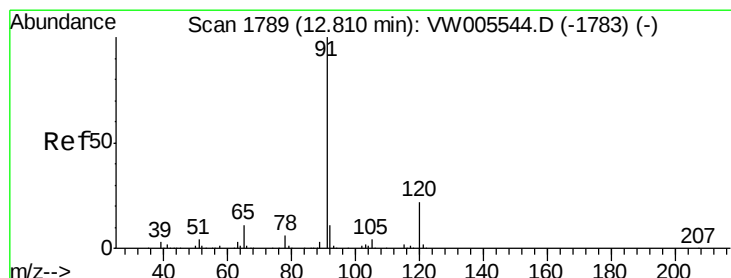
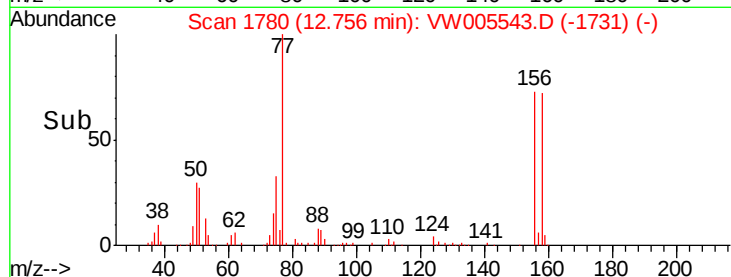
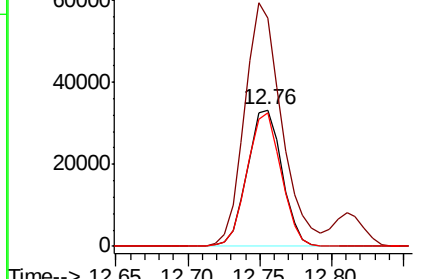
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.627 ug/l

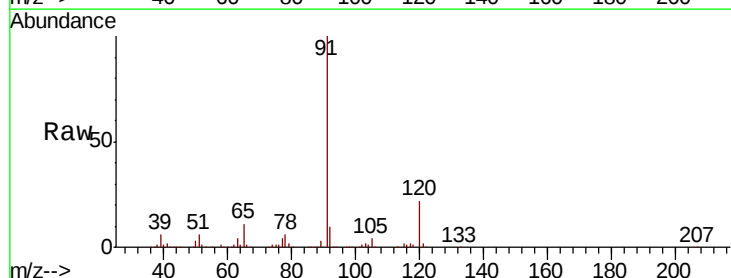
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005543.D

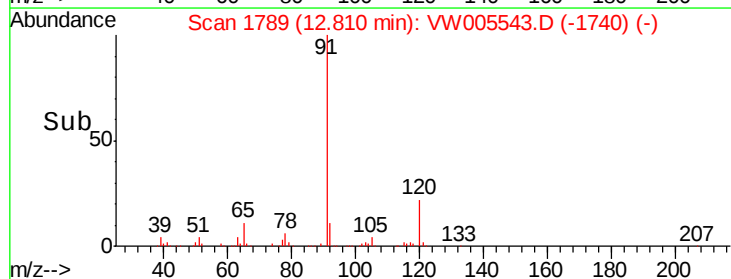
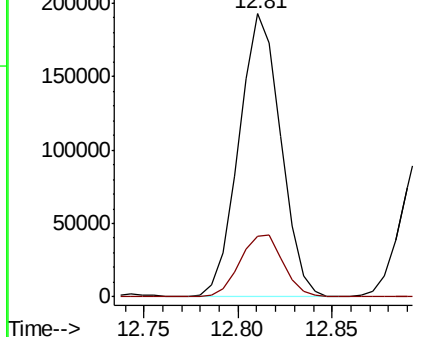
Acq: 20 Sep 2018 21:28

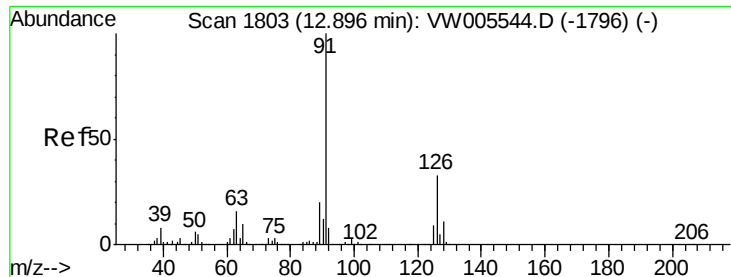
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.5  | 11.2  | 33.5  |



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.247 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 170688

Ion Ratio Lower Upper

91 100

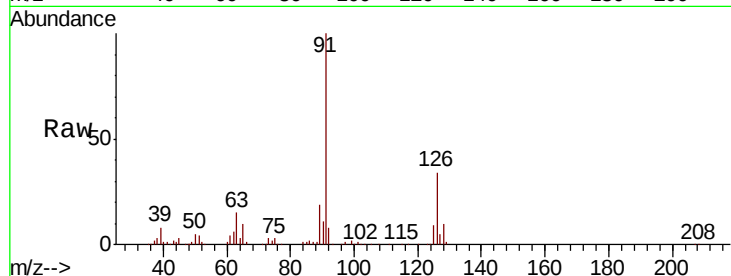
126 33.2 16.4 49.1

Manual Integrations

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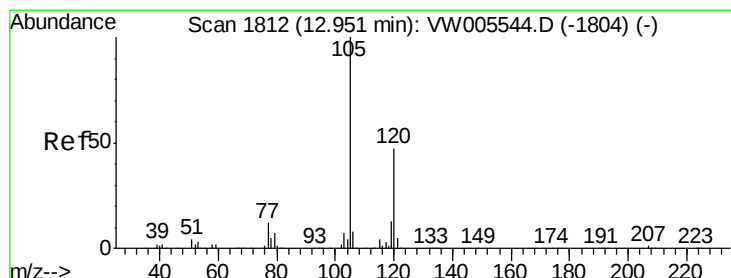
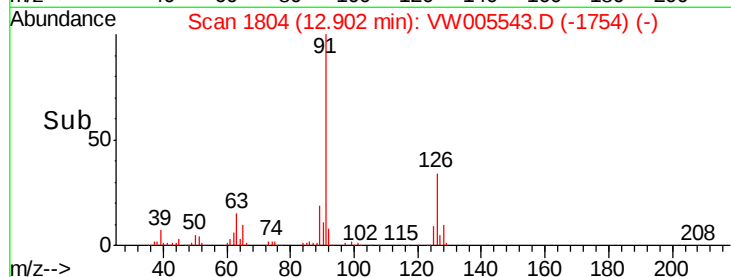
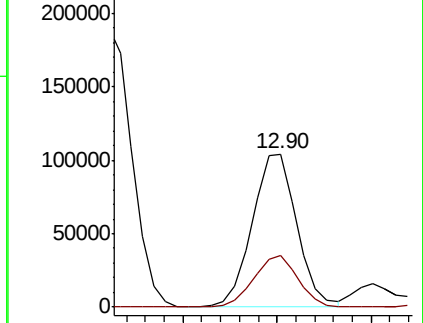
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.807 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005543.D

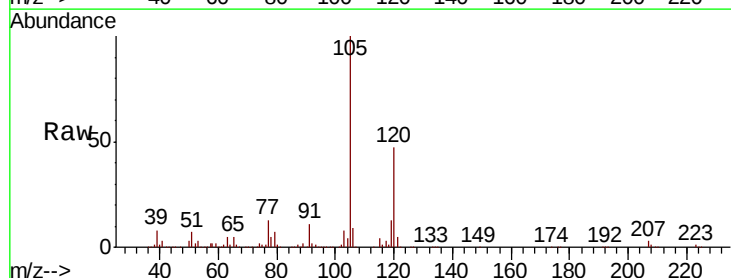
Acq: 20 Sep 2018 21:28

Tgt Ion:105 Resp: 215489

Ion Ratio Lower Upper

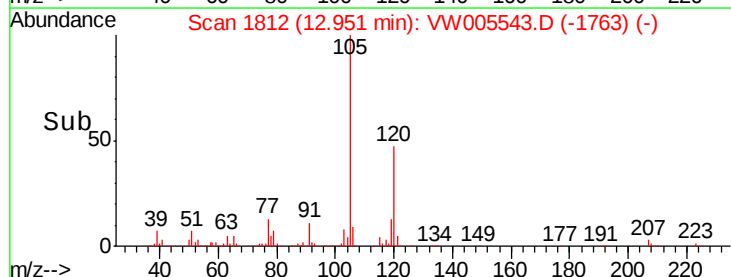
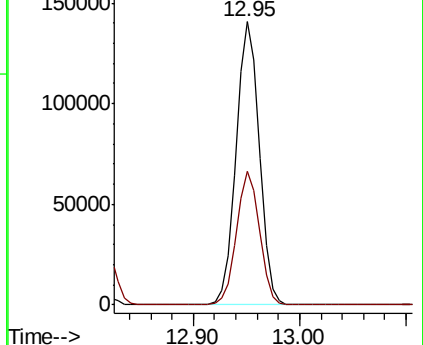
105 100

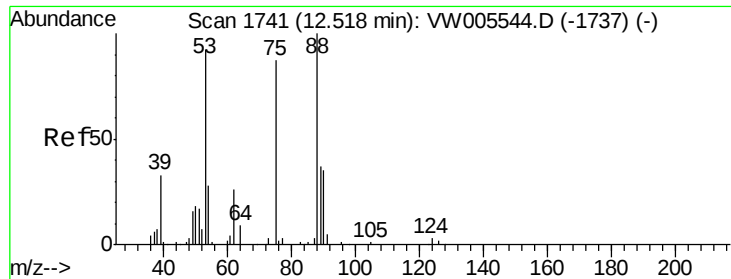
120 46.9 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





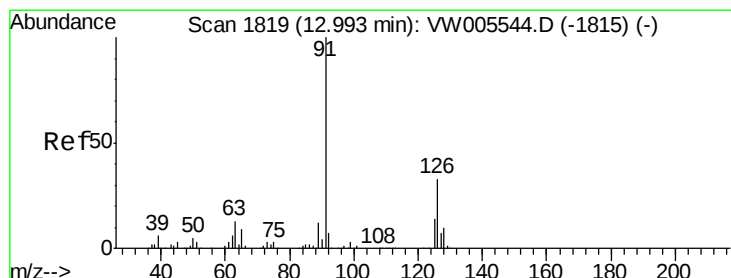
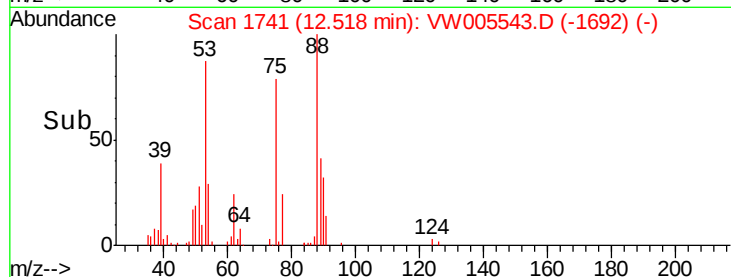
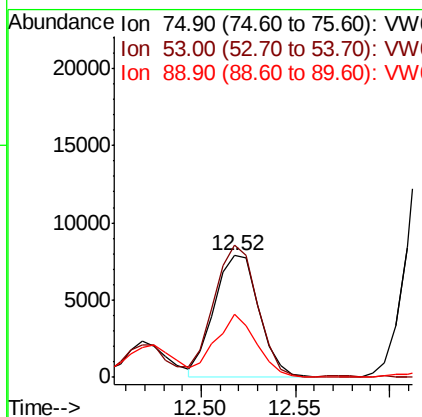
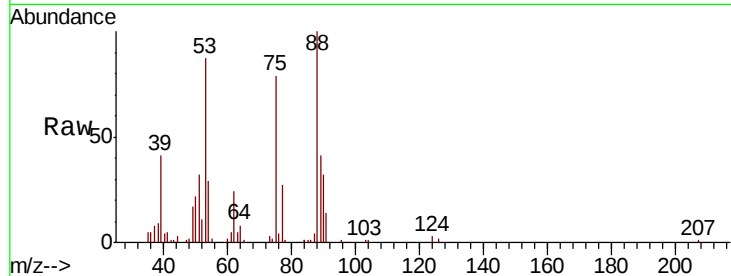
#81  
trans-1,4-Dichloro-2-butene  
Concen: 22.519 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 106.6 | 85.8  | 128.6 |
| 89      | 47.0  | 37.3  | 55.9  |

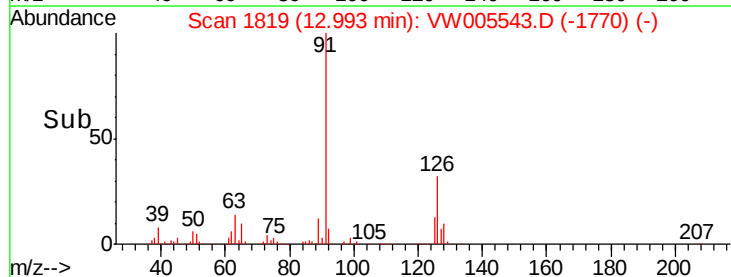
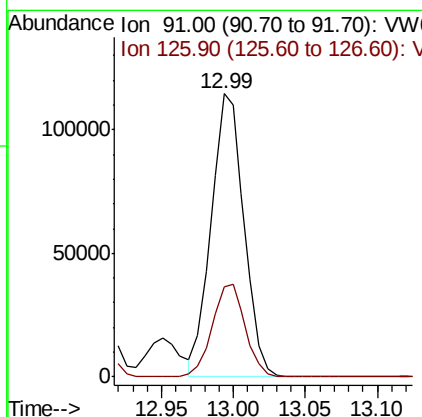
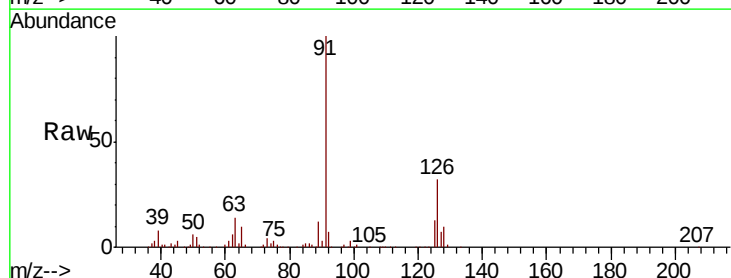
Manual Integrations  
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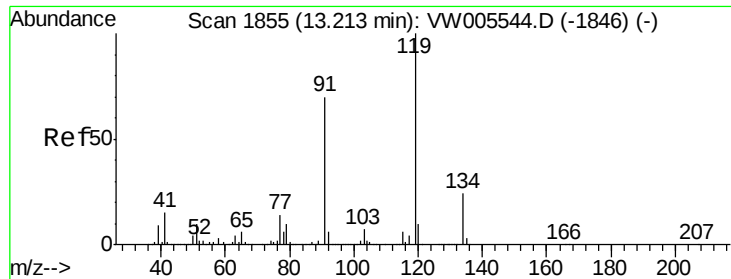
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#82  
4-Chlorotoluene  
Concen: 19.364 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 33.1  | 16.4  | 49.4  |





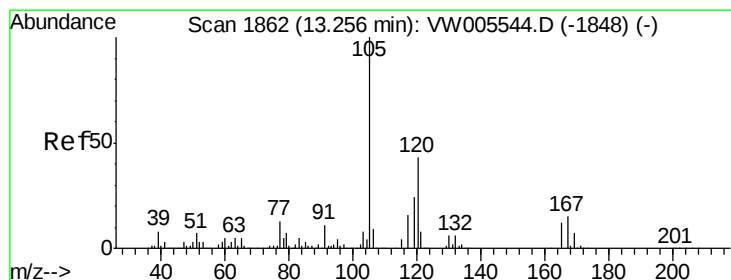
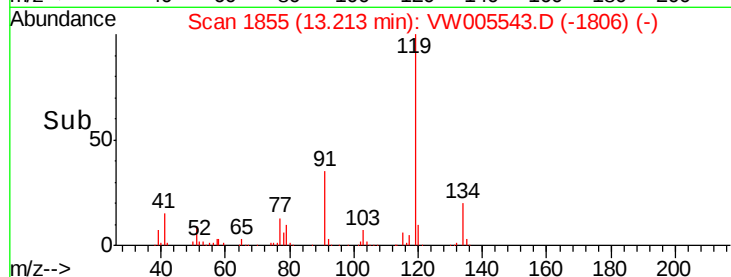
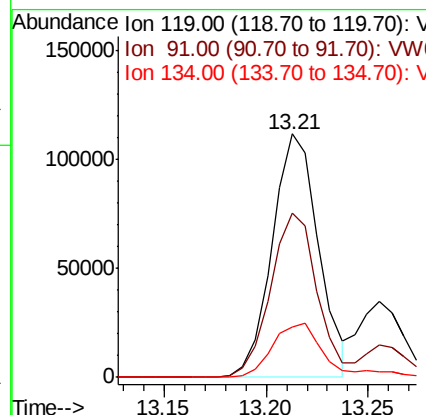
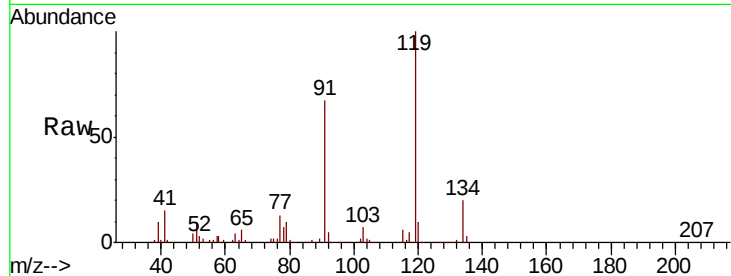
#83  
tert-Butylbenzene  
Concen: 19.568 ug/l  
RT: 13.21 min Scan# 1855  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.5  | 34.6  | 103.8 |
| 134     | 25.3  | 12.6  | 37.6  |

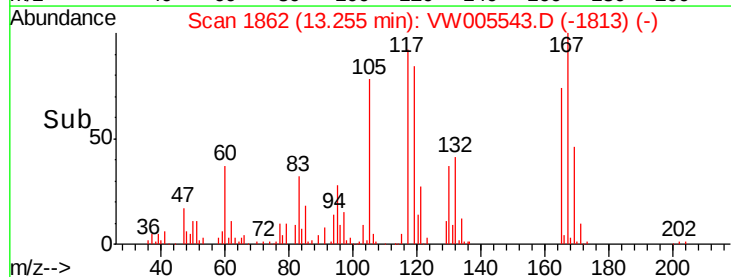
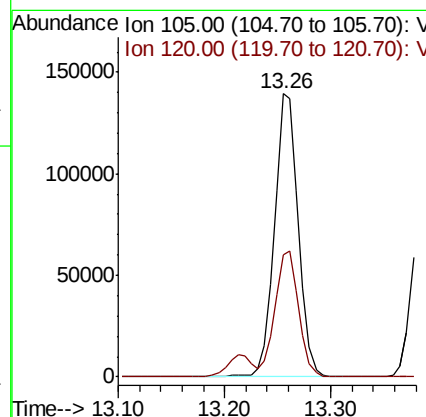
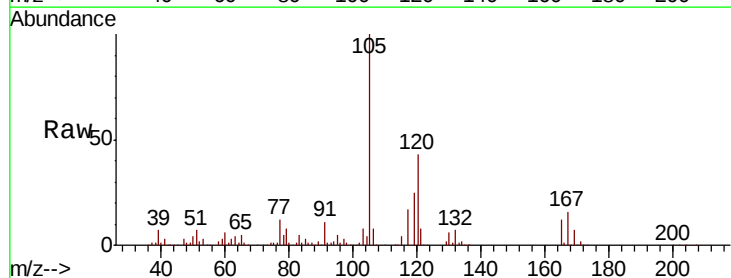
Manual Integrations  
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#84  
1,2,4-Trimethylbenzene  
Concen: 19.612 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.3  | 21.5  | 64.5  |





#85

sec-Butylbenzene

Concen: 19.806 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 258996

Ion Ratio Lower Upper

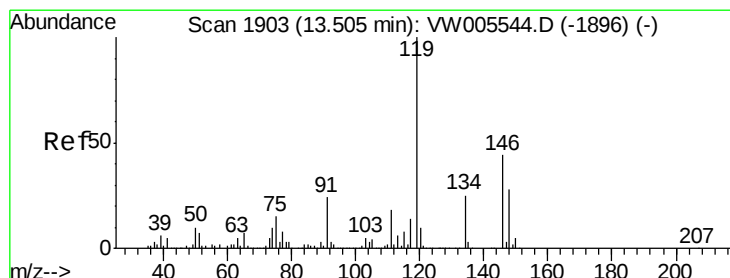
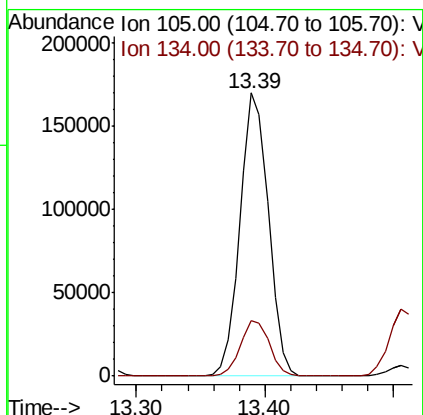
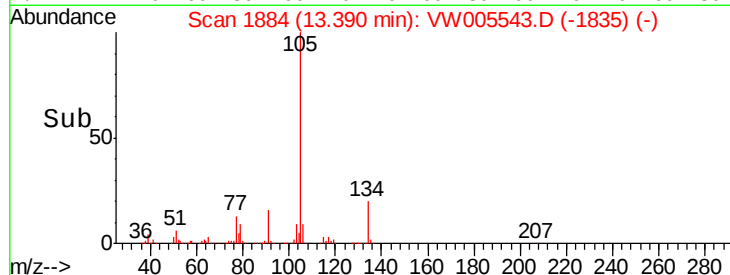
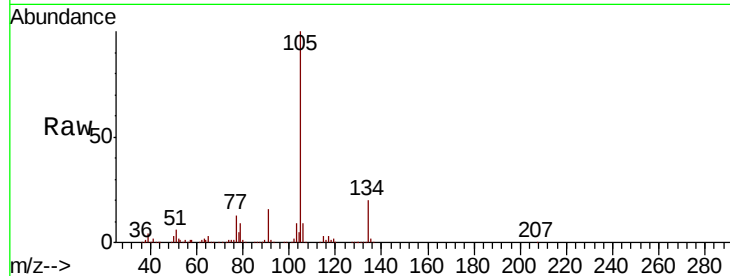
105 100

134 19.9 9.8 29.5

Manual Integrations  
APPROVED

apatel

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#86

p-Isopropyltoluene

Concen: 20.174 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

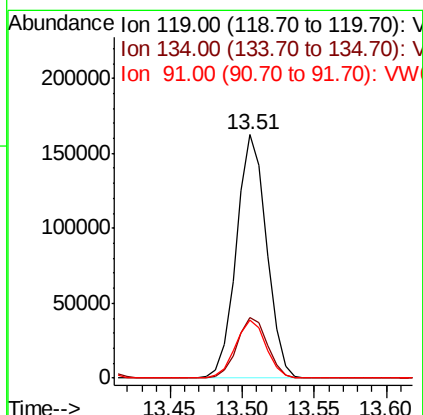
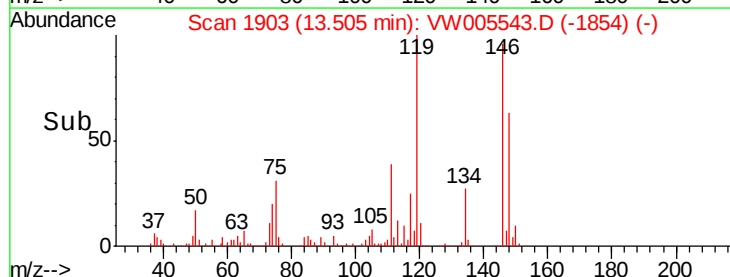
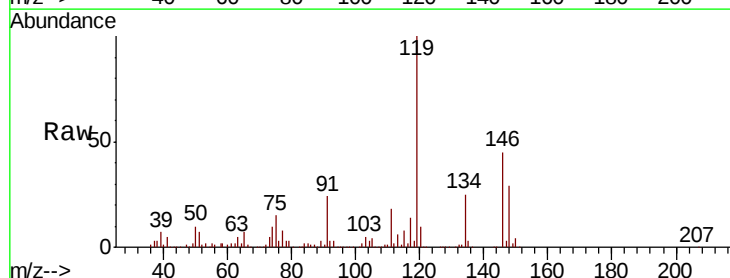
Tgt Ion:119 Resp: 236049

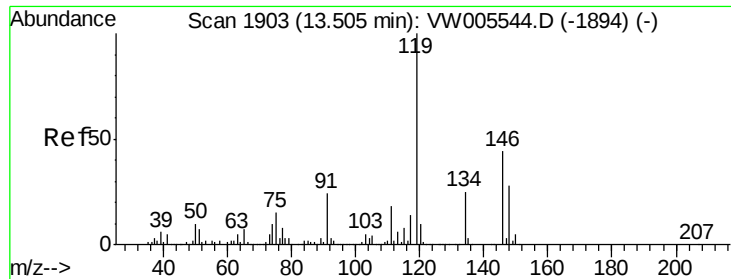
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.2 12.2 36.4





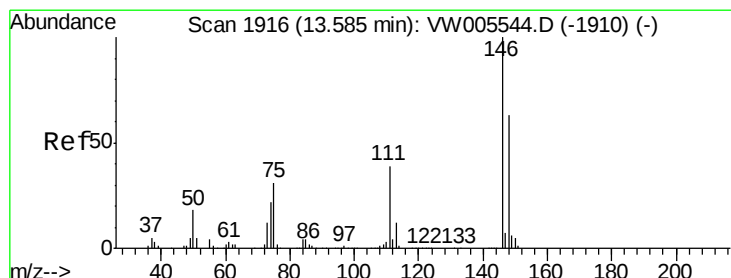
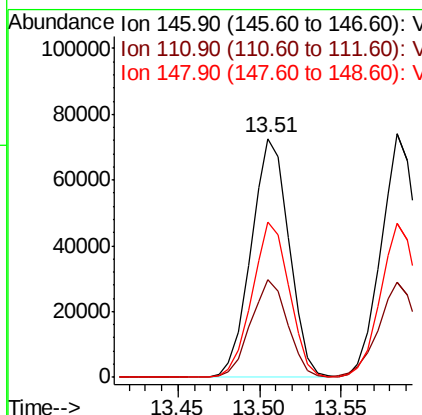
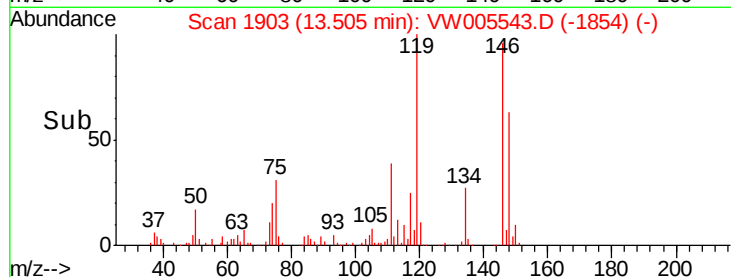
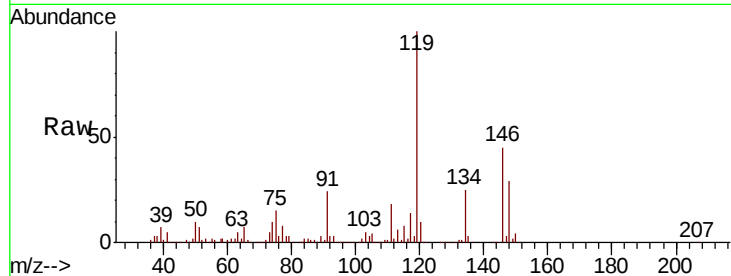
#87  
 1,3-Dichlorobenzene  
 Concen: 19.574 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleID :  
 VSTDIC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 117157 |       |       |
| 111     | 39.8  | 20.3   | 60.9  |       |
| 148     | 64.3  | 31.8   | 95.4  |       |

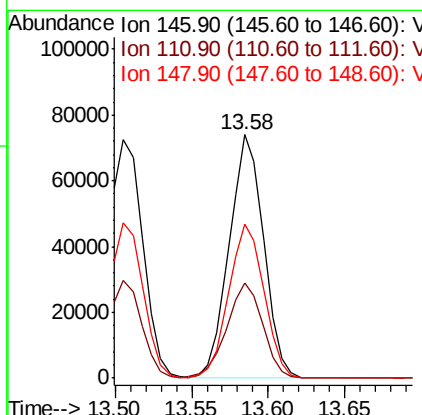
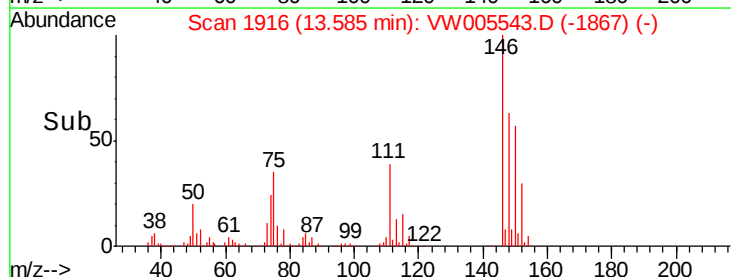
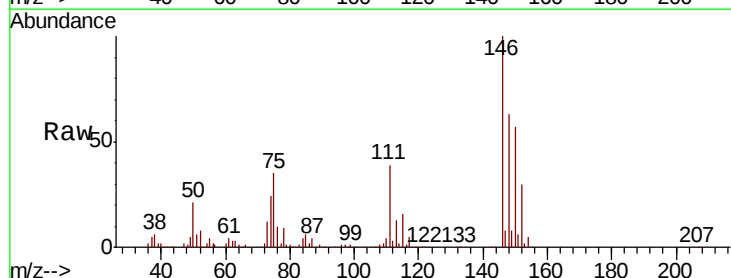
Manual Integrations  
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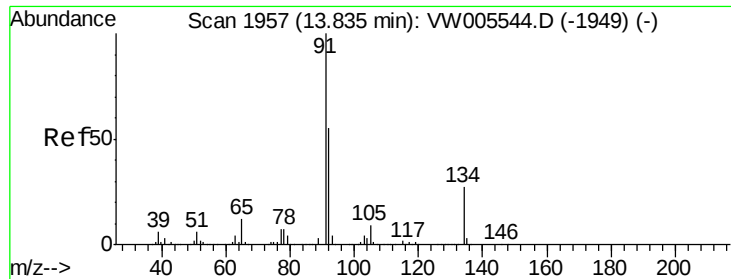
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#88  
 1,4-Dichlorobenzene  
 Concen: 19.607 ug/l  
 RT: 13.58 min Scan# 1916  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 115405 |       |       |
| 111     | 40.8  | 19.9   | 59.7  |       |
| 148     | 64.7  | 32.1   | 96.3  |       |





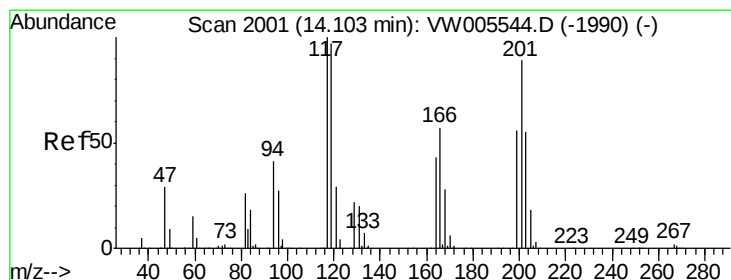
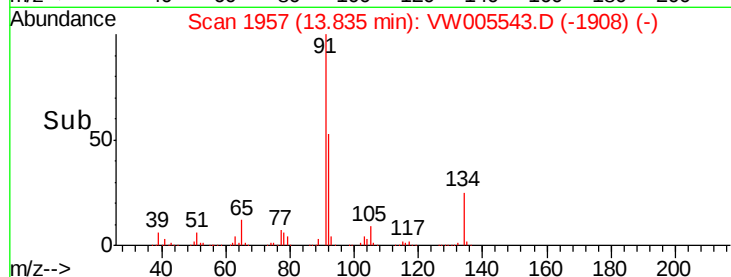
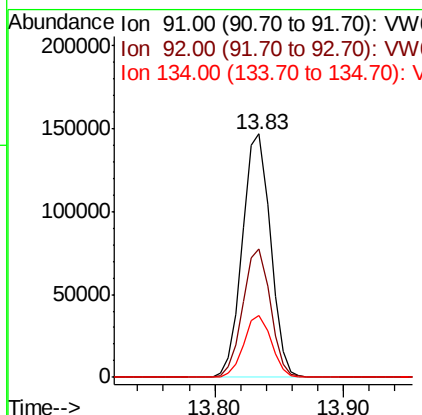
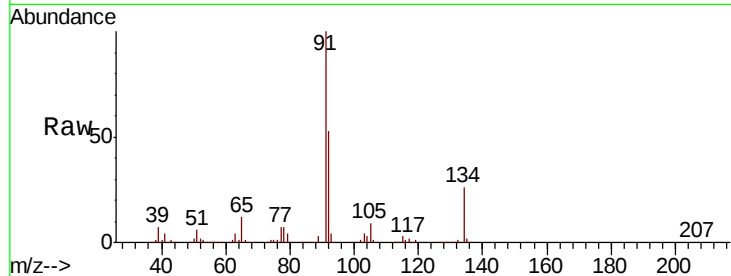
#89  
n-Butylbenzene  
Concen: 20.336 ug/l  
RT: 13.83 min Scan# 1957  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.8  | 26.5  | 79.5  |
| 134     | 25.0  | 12.9  | 38.7  |

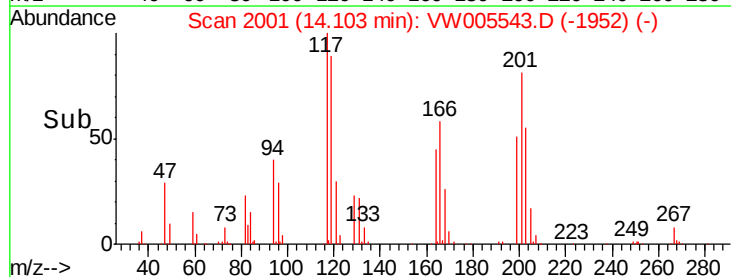
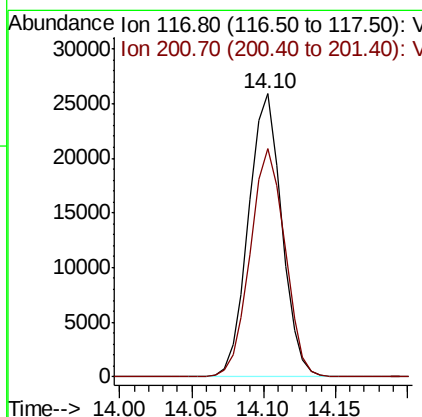
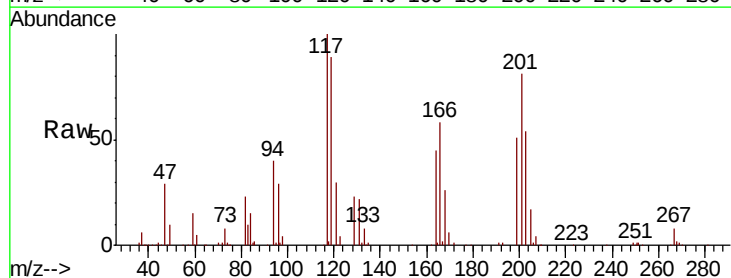
Manual Integrations  
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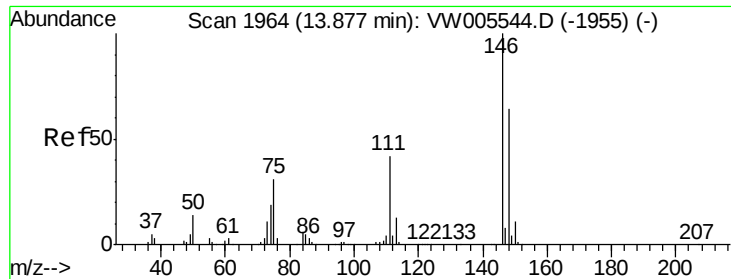
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#90  
Hexachloroethane  
Concen: 20.432 ug/l  
RT: 14.10 min Scan# 2001  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 84.4  | 42.8  | 128.3 |





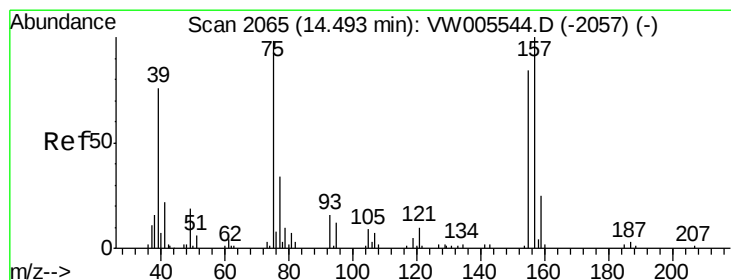
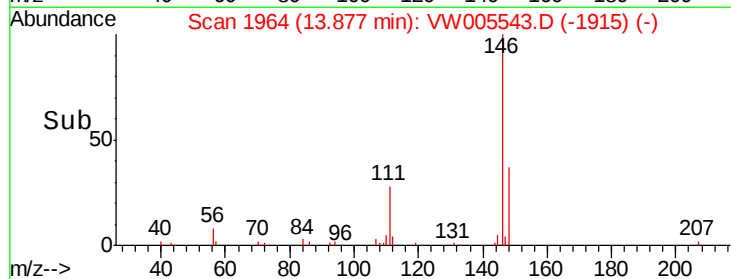
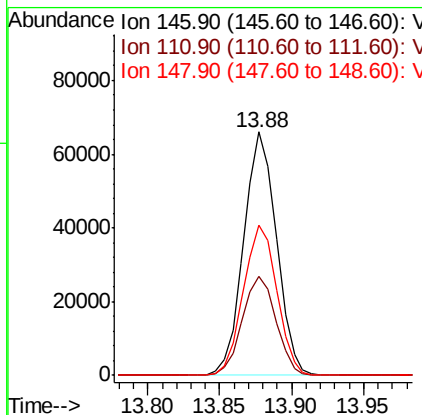
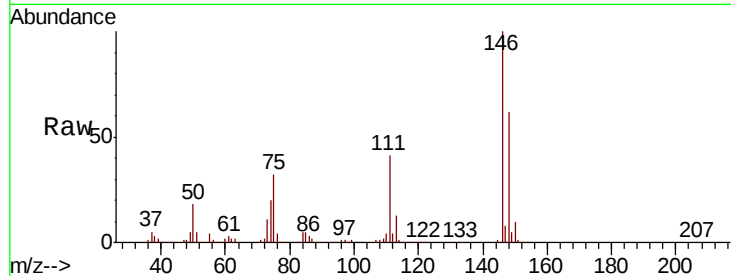
#91  
 1,2-Dichlorobenzene  
 Concen: 19.924 ug/l  
 RT: 13.88 min Scan# 1964  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.7  | 21.3  | 63.9  |
| 148     | 63.4  | 32.0  | 96.2  |

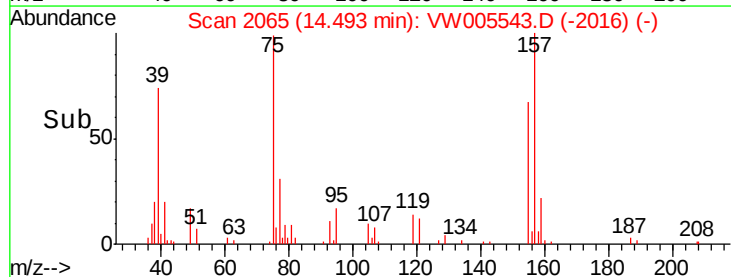
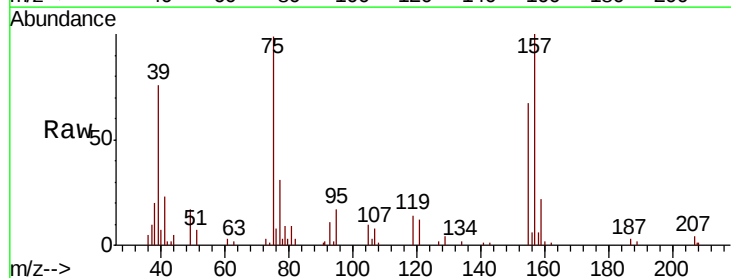
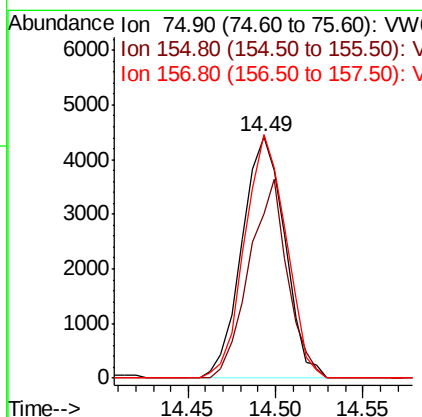
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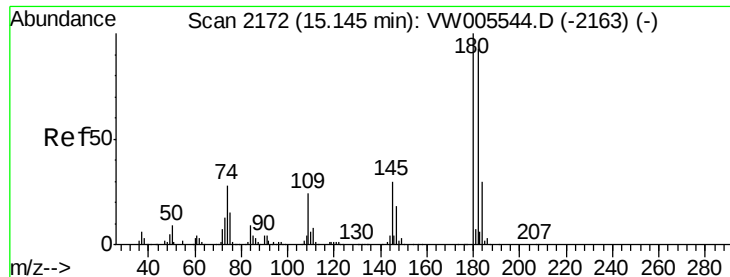
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.306 ug/l  
 RT: 14.49 min Scan# 2065  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 74.0  | 39.1  | 117.5 |
| 157     | 97.2  | 50.8  | 152.4 |





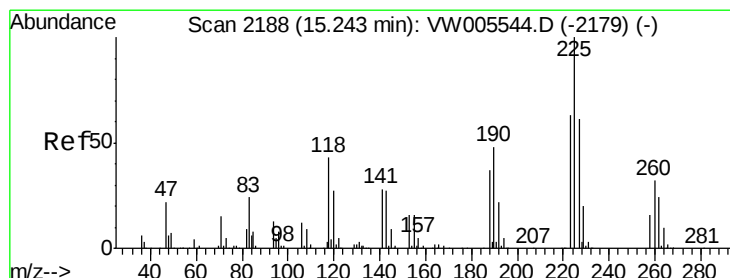
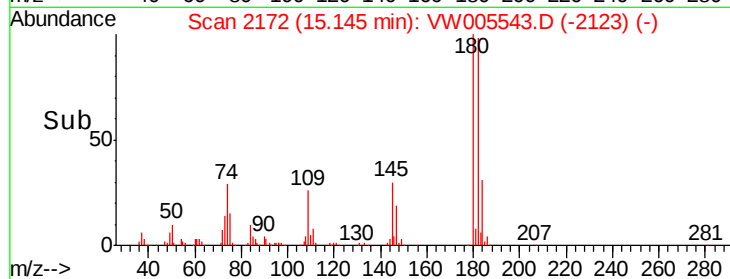
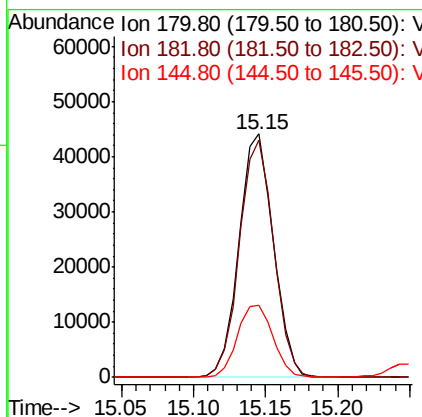
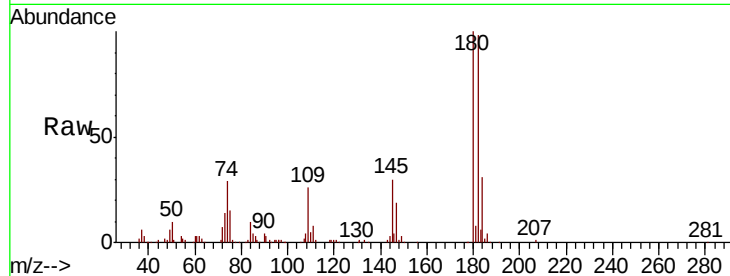
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.799 ug/l  
 RT: 15.15 min Scan# 2172  
 Delta R.T. -0.00 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 97.2  | 47.7 | 143.1 |       |
| 145     | 30.7  | 15.0 | 45.1  |       |

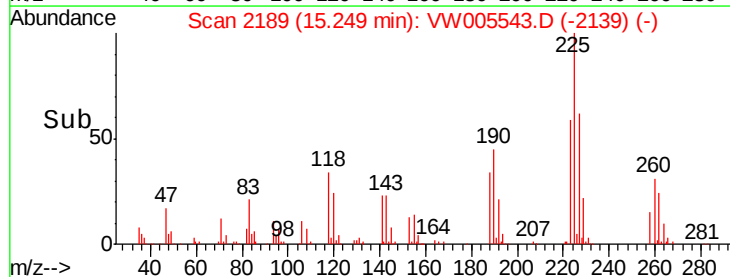
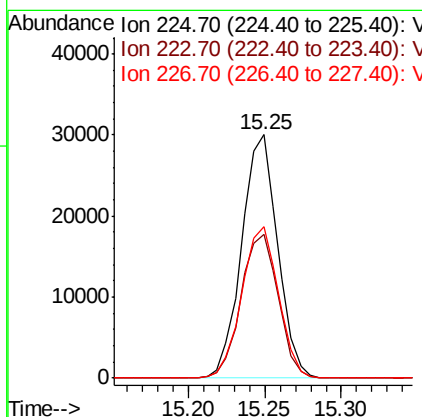
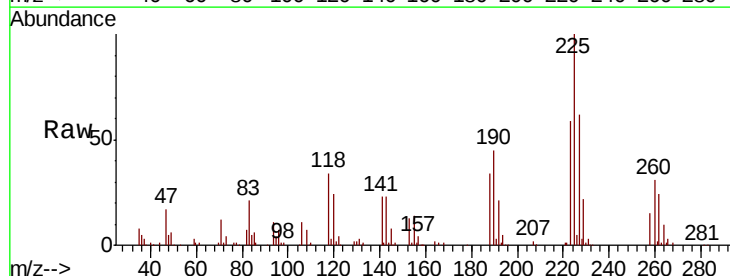
Manual Integrations  
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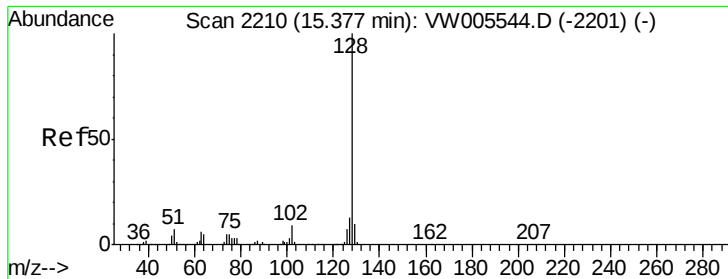
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#94  
 Hexachlorobutadiene  
 Concen: 21.472 ug/l  
 RT: 15.25 min Scan# 2189  
 Delta R.T. 0.01 min  
 Lab File: VW005543.D  
 Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 61.1  | 31.1 | 93.3  |       |
| 227     | 63.7  | 31.8 | 95.3  |       |





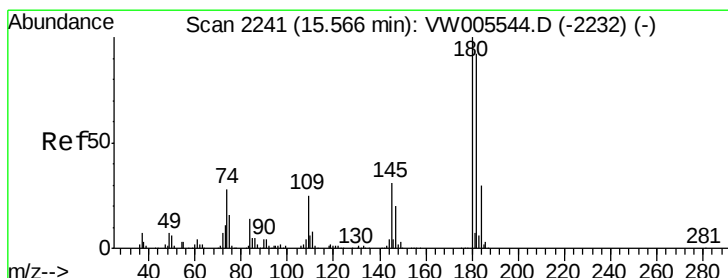
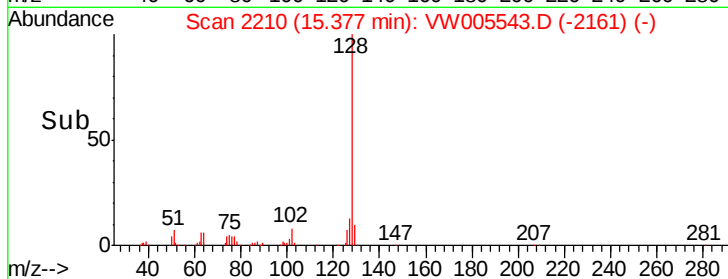
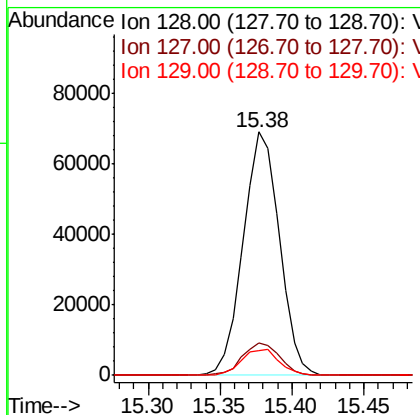
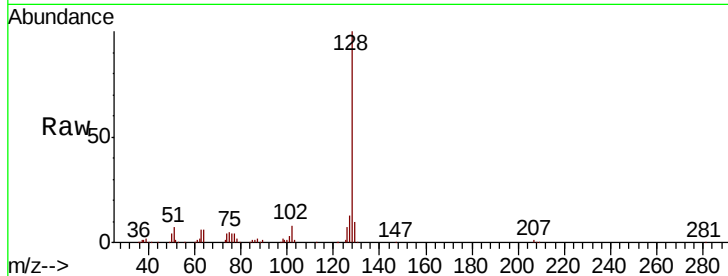
#95  
Naphthalene  
Concen: 20.464 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 120371 |       |       |
| 127     | 13.7  | 10.9   | 16.3  |       |
| 129     | 11.2  | 8.6    | 13.0  |       |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 21.352 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. -0.00 min  
Lab File: VW005543.D  
Acq: 20 Sep 2018 21:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 65679 |       |       |
| 182     | 94.6  | 47.3  | 141.9 |       |
| 145     | 32.2  | 16.0  | 47.9  |       |

