

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121318\  
 Data File : VW007421.D  
 Acq On : 12 Dec 2018 04:22  
 Operator : SY/AP  
 Sample : J6265-02MS  
 Misc : 5.68G/5ML/MSVOA W/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

Manual Integrations  
 APPROVED

MMDadoda  
 12/12/2018 2:42:30 PM

Quant Time: Dec 12 06:28:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 80413    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 134894   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 121717   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 59657    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 46746    | 52.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.80% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 43235    | 52.95 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.90% |      |
| 50) Toluene-d8            | 10.32  | 98  | 164400   | 53.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.40% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 62066    | 55.14 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.28% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.01 | 85  | 26851   | 47.783  | ug/l | 99     |
| 3) Chloromethane              | 2.22 | 50  | 22394   | 47.584  | ug/l | 93     |
| 4) Vinyl Chloride             | 2.37 | 62  | 27717   | 50.186  | ug/l | 98     |
| 5) Bromomethane               | 2.78 | 94  | 18591   | 50.101  | ug/l | 92     |
| 6) Chloroethane               | 2.93 | 64  | 15658   | 51.504  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 25718   | 51.795  | ug/l | 93     |
| 8) Diethyl Ether              | 3.68 | 74  | 20947   | 53.900  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 41090   | 50.153  | ug/l | 99     |
| 10) Methyl Iodide             | 4.26 | 142 | 69268   | 51.048  | ug/l | 98     |
| 11) Tert butyl alcohol        | 5.17 | 59  | 16886   | 275.602 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 4.03 | 96  | 41604   | 52.741  | ug/l | 96     |
| 13) Acrolein                  | 3.90 | 56  | 1208    | 29.796  | ug/l | 85     |
| 14) Allyl chloride            | 4.66 | 41  | 57698   | 49.622  | ug/l | 100    |
| 15) Acrylonitrile             | 5.37 | 53  | 43537   | 265.748 | ug/l | 99     |
| 16) Acetone                   | 4.12 | 43  | 46662   | 299.448 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.37 | 76  | 127783  | 53.426  | ug/l | 99     |
| 18) Methyl Acetate            | 4.67 | 43  | 38151   | 90.207  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 64015   | 53.794  | ug/l | 100    |
| 20) Methylene Chloride        | 4.92 | 84  | 51901   | 61.834  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.42 | 96  | 45688   | 51.775  | ug/l | 98     |
| 22) Diisopropyl ether         | 6.31 | 45  | 116574  | 52.159  | ug/l | 96     |
| 23) Vinyl Acetate             | 6.26 | 43  | 225484m | 180.374 | ug/l |        |
| 24) 1,1-Dichloroethane        | 6.21 | 63  | 78338   | 51.861  | ug/l | 98     |
| 25) 2-Butanone                | 7.17 | 43  | 54869   | 269.717 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 50264   | 50.279  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 50222   | 51.978  | ug/l | 97     |
| 28) Bromochloromethane        | 7.51 | 49  | 30141   | 53.049  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 34725   | 269.633 | ug/l | 98     |
| 30) Chloroform                | 7.67 | 83  | 87618   | 53.302  | ug/l | 100    |
| 31) Cyclohexane               | 7.95 | 56  | 65160   | 47.017  | ug/l | 93     |
| 32) 1,1,1-Trichloroethane     | 7.87 | 97  | 75166   | 52.144  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 65416   | 53.160  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 22906   | 50.047  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 72440   | 54.103  | ug/l | 96     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV121318\  
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 Sample : J6265-02MS  
 Misc : 5.68G/5ML/MSVOA W/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

Manual Integrations  
 APPROVED

MMDadoda  
 12/12/2018 2:42:30 PM

Quant Time: Dec 12 06:28:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 73570    | 49.374   | ug/l   | 93       |
| 40) Benzene                    | 8.32  | 78   | 182844   | 53.541   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.48  | 41   | 12711    | 48.770   | ug/l   | 85       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 58637    | 54.661   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 47101    | 52.099   | ug/l   | 99       |
| 44) Trichloroethene            | 9.09  | 130  | 51837    | 53.156   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 43439    | 54.967   | ug/l   | 99       |
| 46) Dibromomethane             | 9.46  | 93   | 24711    | 55.062   | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.65  | 83   | 64352    | 54.667   | ug/l   | 94       |
| 48) Methyl methacrylate        | 9.43  | 41   | 25288    | 54.463   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 8173     | 1122.388 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 123053   | 288.064  | ug/l   | 99       |
| 52) Toluene                    | 10.39 | 92   | 120523   | 54.535   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.60 | 75   | 61344    | 53.678   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 69895    | 52.906   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 34892    | 57.126   | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 39904    | 54.354   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 58846    | 58.698   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 97296    | 287.389  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.97 | 43   | 84645    | 297.168  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.13 | 129  | 44335    | 57.517   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 34248    | 56.739   | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.87 | 164  | 42128    | 48.130   | ug/l   | 95       |
| 65) Chlorobenzene              | 11.66 | 112  | 132325   | 52.159   | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 48199    | 53.943   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 229708   | 52.664   | ug/l   | 94       |
| 68) m/p-Xylenes                | 11.84 | 106  | 171520   | 101.152  | ug/l   | 98       |
| 69) o-Xylene                   | 12.17 | 106  | 83473    | 52.710   | ug/l   | 98       |
| 70) Styrene                    | 12.18 | 104  | 123667   | 48.347   | ug/l   | 97       |
| 71) Bromoform                  | 12.35 | 173  | 24702    | 54.012   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.47 | 105  | 221169   | 48.384   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.27 | 43   | 39702    | 47.790   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 39488    | 58.325   | ug/l   | 92       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 28757m   | 58.462   | ug/l   |          |
| 77) Bromobenzene               | 12.75 | 156  | 52939    | 52.247   | ug/l   | 96       |
| 78) n-propylbenzene            | 12.81 | 91   | 243965   | 47.423   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 152972   | 49.143   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 190773   | 49.669   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 11518    | 51.726   | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 160694   | 48.974   | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 165524   | 48.909   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 176406   | 44.632   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 194672   | 42.136   | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 182726   | 44.025   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 99235    | 49.121   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 99587    | 49.034   | ug/l   | 95       |
| 89) n-Butylbenzene             | 13.83 | 91   | 137192   | 35.655   | ug/l   | 99       |
| 90) Hexachloroethane           | 14.10 | 117  | 34752    | 47.057   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 90108    | 49.799   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 7239     | 53.280   | ug/l   | 98       |

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Sample : J6265-02MS  
Misc : 5.68G/5ML/MSVOA W/SOIL  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

Manual Integrations  
APPROVED

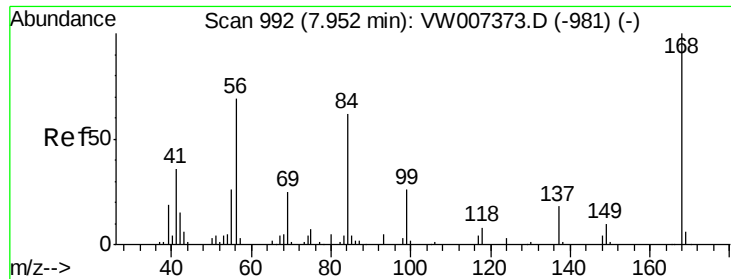
MMDadoda  
12/12/2018 2:42:30 PM

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Quant Title : SW846 8260  
QLast Update : Tue Dec 11 02:58:16 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 54534    | 43.795 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 27027    | 40.907 | ug/l  | 100      |
| 95) Naphthalene            | 15.38 | 128  | 92726    | 38.925 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 48392    | 44.737 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

ClientSampleId :

S32-0632MS

Tot Ion:168 Resp: 80413

Ion Ratio Lower Upper

168 100

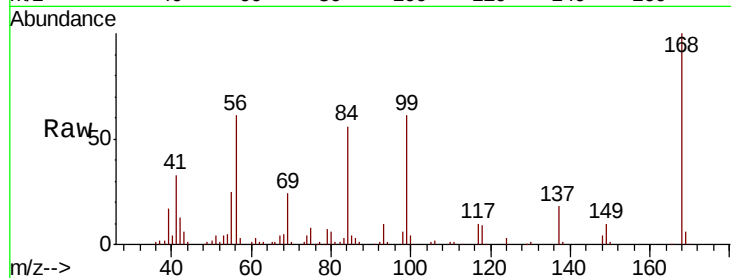
99 61.2 48.3 72.5

Manual Integrations

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12/12/2018 2:42:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

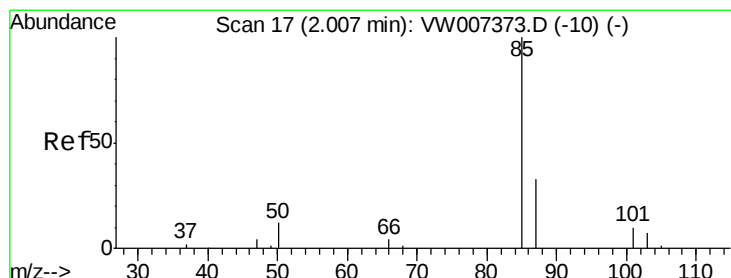
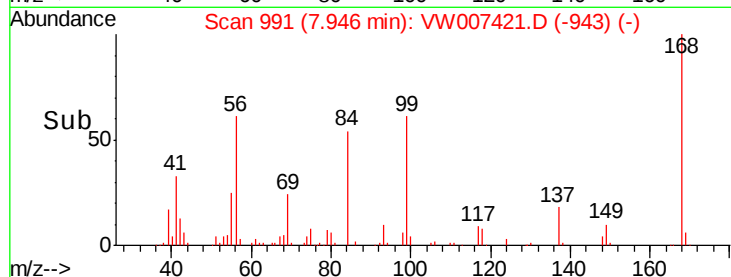
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.783 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007421.D

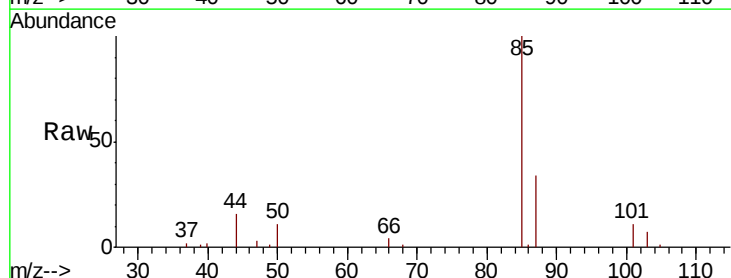
Acq: 12 Dec 2018 04:22

Tgt Ion: 85 Resp: 26851

Ion Ratio Lower Upper

85 100

87 33.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

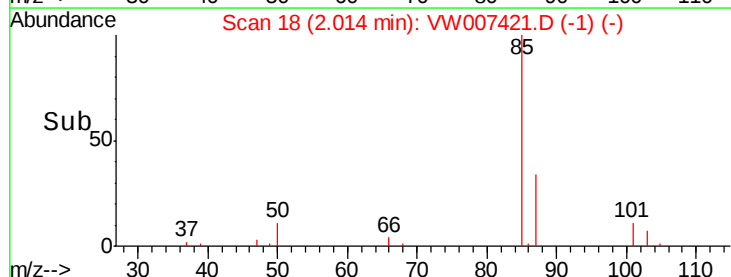
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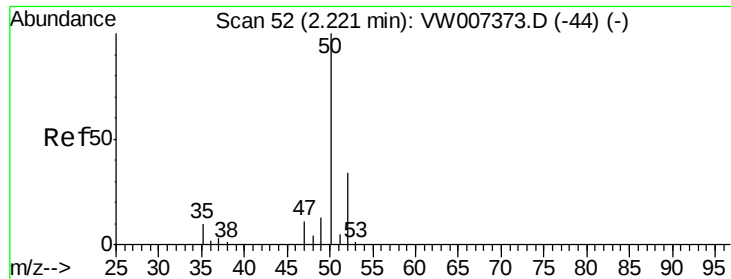
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 47.584 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

ClientSampled :

S32-0632MS

Tot Ion: 50 Resp: 22394

Ion Ratio Lower Upper

50 100

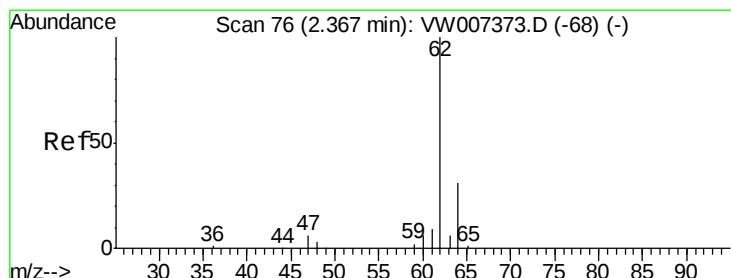
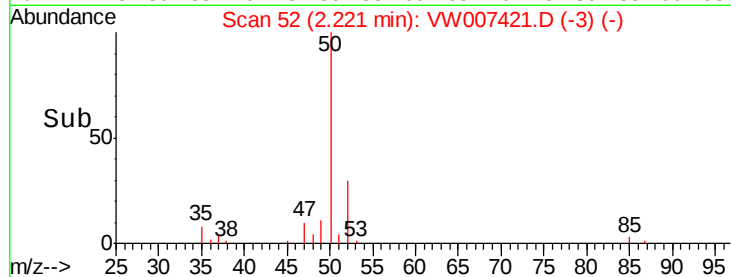
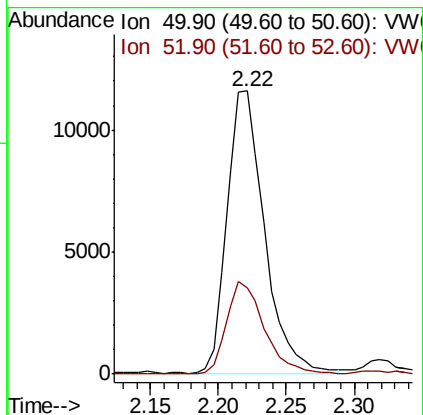
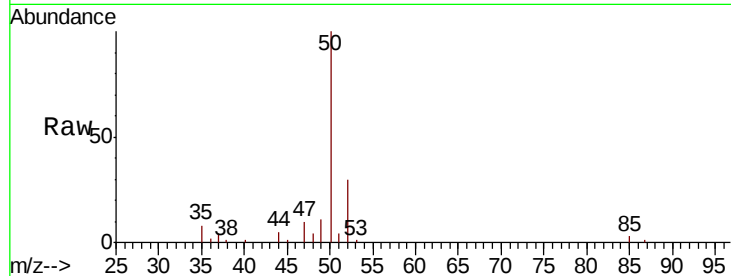
52 30.3 27.4 41.0

Manual Integrations

APPROVED

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12/12/2018 2:42:30 PM



#4

Vinyl Chloride

Concen: 50.186 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007421.D

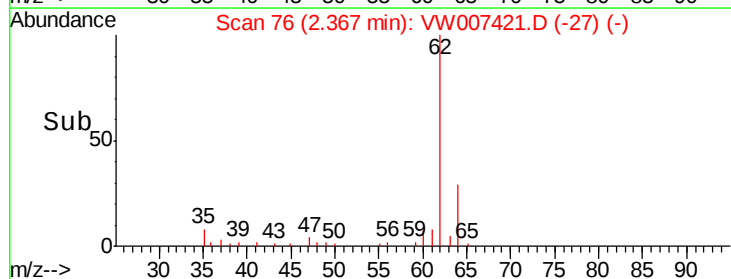
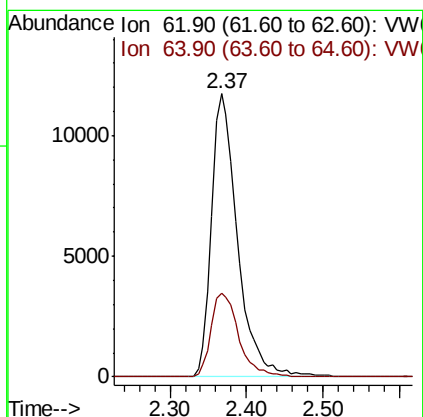
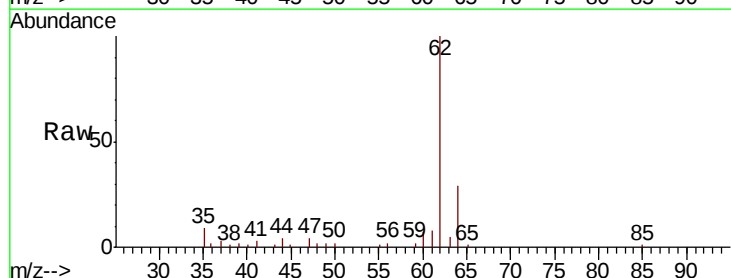
Acq: 12 Dec 2018 04:22

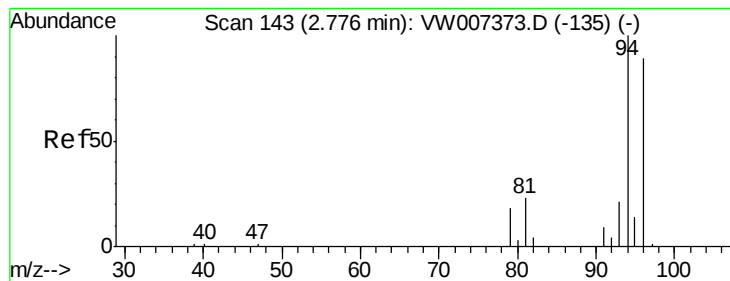
Tgt Ion: 62 Resp: 27717

Ion Ratio Lower Upper

62 100

64 29.4 24.6 37.0





#5

Bromomethane

Concen: 50.101 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

ClientSampleId :

S32-0632MS

Tot Ion: 94 Resp: 18591

Ion Ratio Lower Upper

94 100

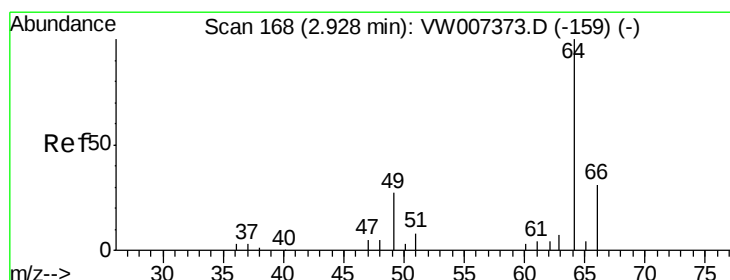
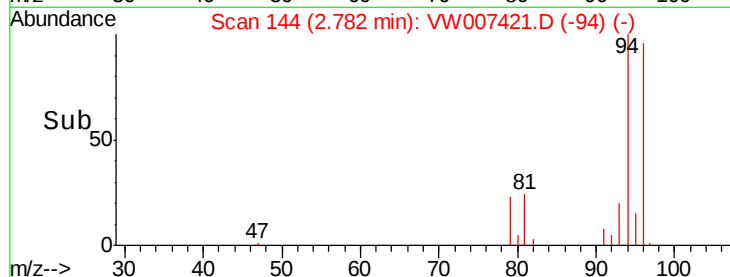
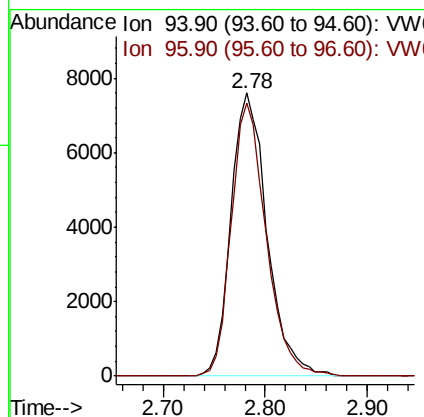
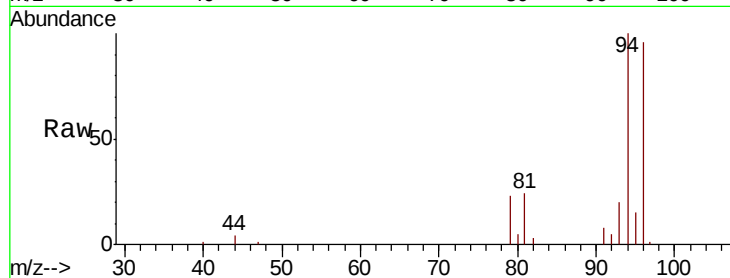
96 96.3 71.0 106.4

Manual Integrations

APPROVED

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12/12/2018 2:42:30 PM



#6

Chloroethane

Concen: 51.504 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007421.D

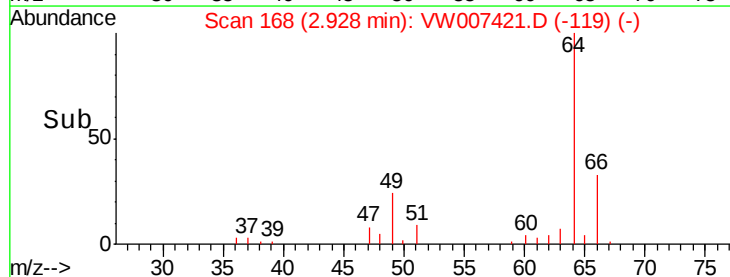
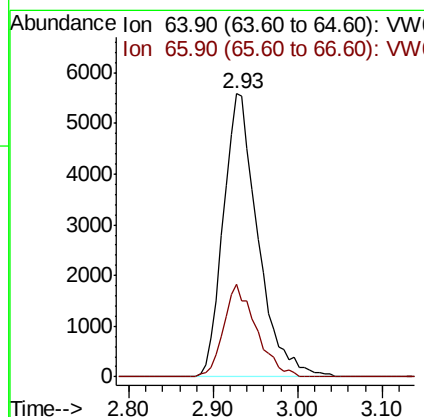
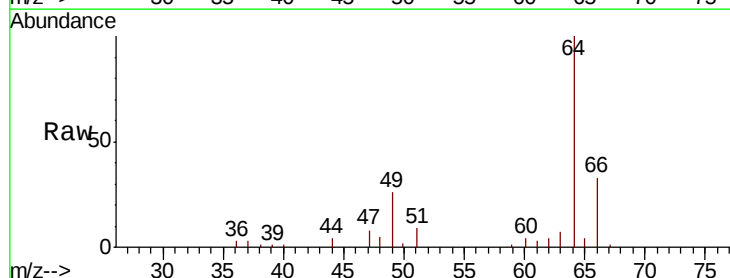
Acq: 12 Dec 2018 04:22

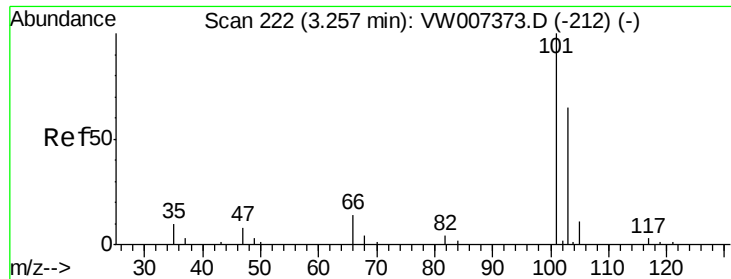
Tgt Ion: 64 Resp: 15658

Ion Ratio Lower Upper

64 100

66 32.7 24.6 37.0





#7

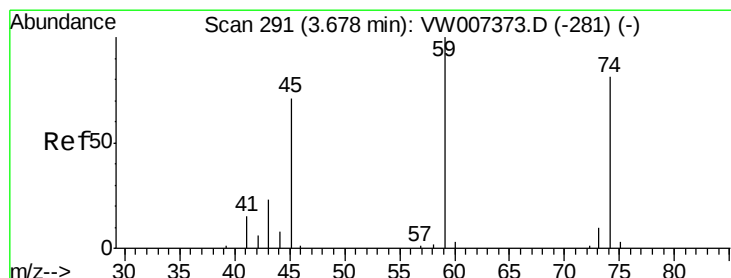
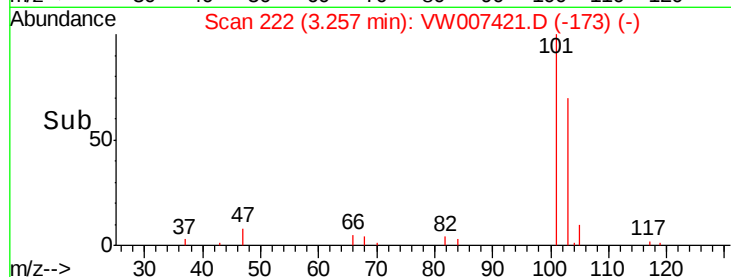
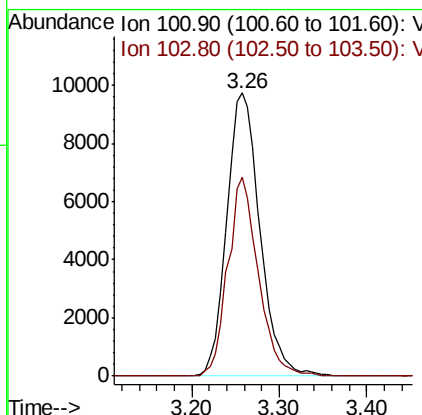
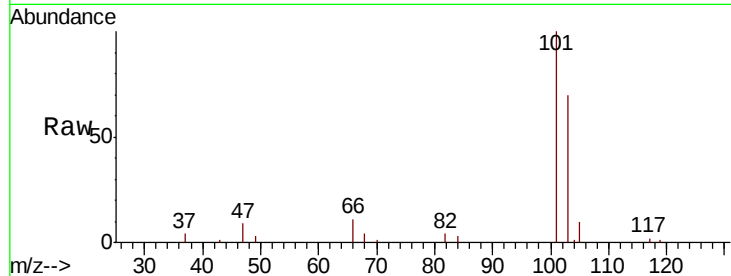
Trichlorofluoromethane  
 Concen: 51.795 ug/l  
 RT: 3.26 min Scan# 222  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

Tot Ion:101 Resp: 25718  
 Ion Ratio Lower Upper  
 101 100  
 103 70.3 51.7 77.5

Manual Integrations  
 APPROVED

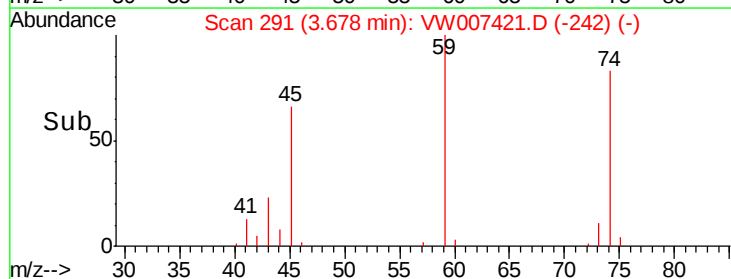
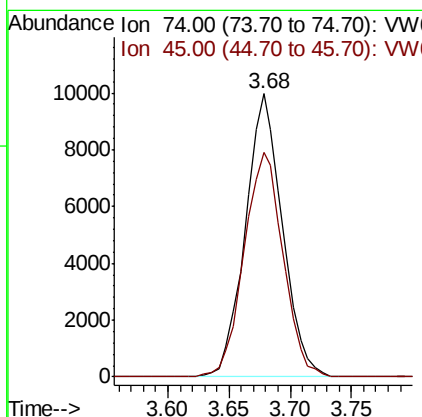
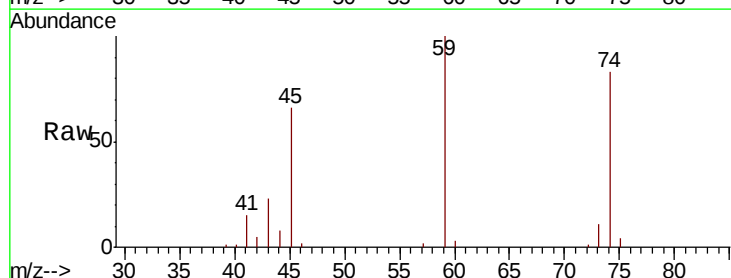
MMDadoda  
 12/12/2018 2:42:30 PM

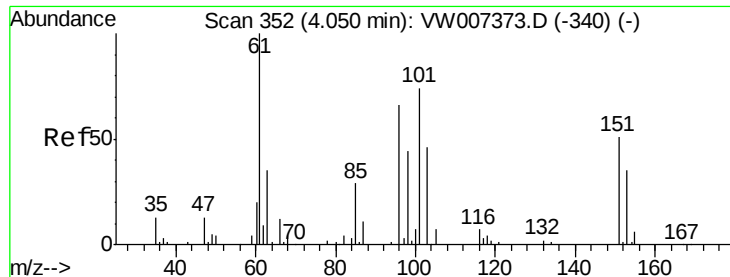


#8

Diethyl Ether  
 Concen: 53.900 ug/l  
 RT: 3.68 min Scan# 291  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Tgt Ion: 74 Resp: 20947  
 Ion Ratio Lower Upper  
 74 100  
 45 83.5 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.153 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

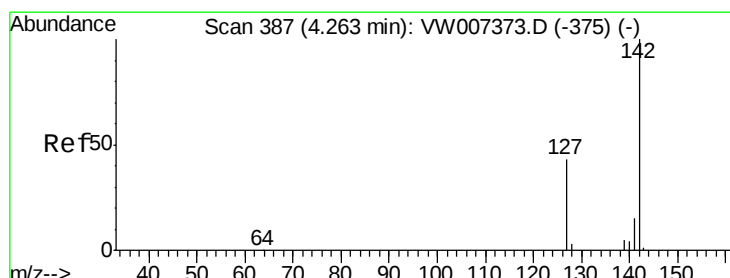
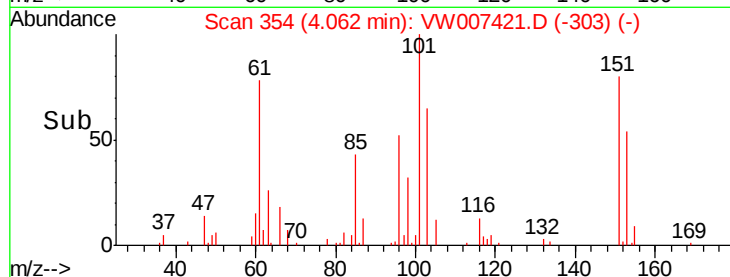
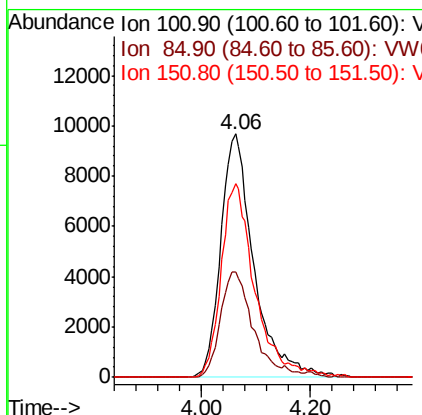
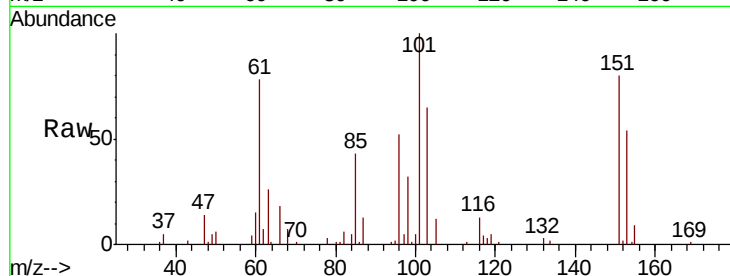
ClientSampleId :

S32-0632MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 41090 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.2  | 33.9  | 50.9  |
| 151       | 80.7  | 63.7  | 95.5  |

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#10

Methyl Iodide

Concen: 51.048 ug/l

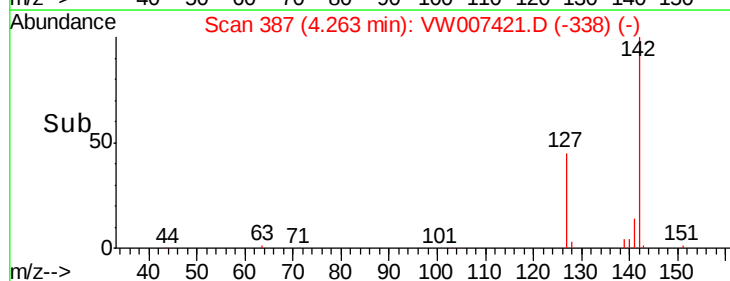
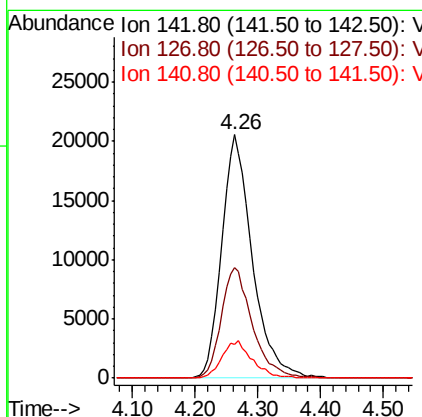
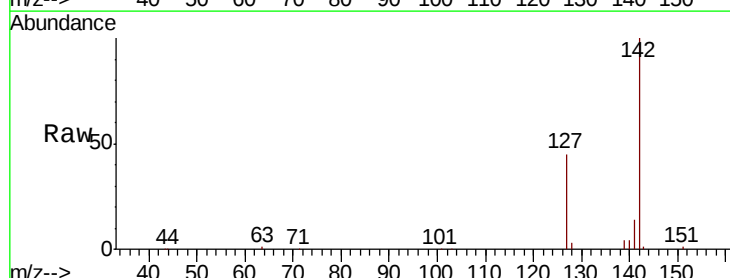
RT: 4.26 min Scan# 387

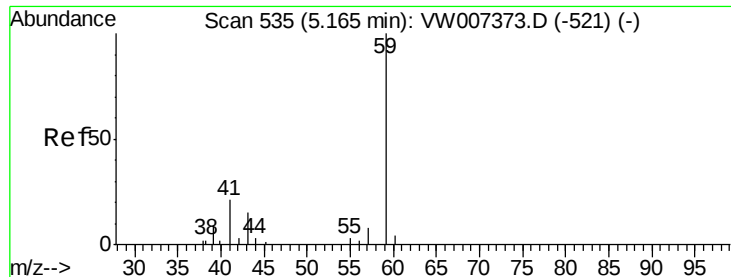
Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 69268 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.0  | 35.8  | 53.6  |
| 141       | 15.0  | 11.1  | 16.7  |





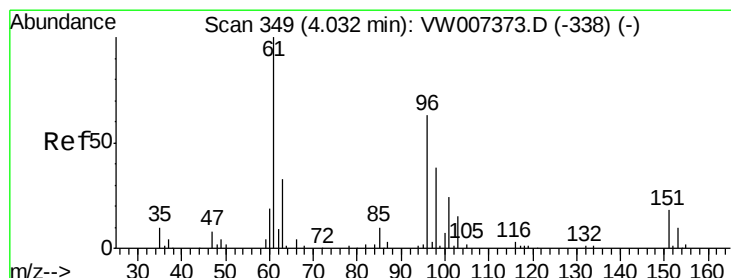
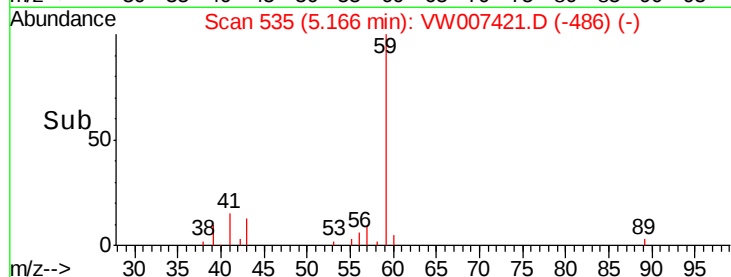
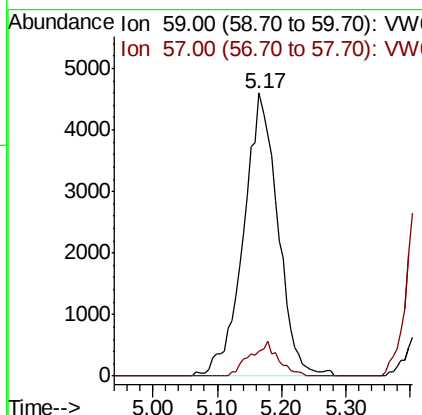
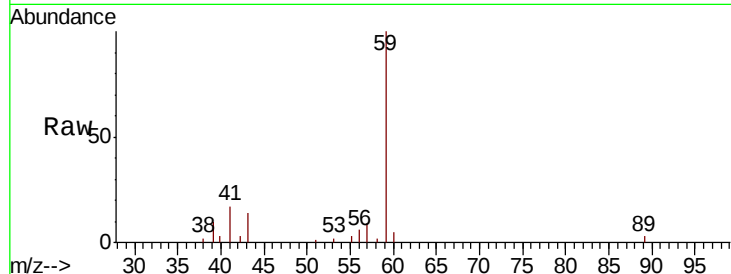
#11  
Tert butyl alcohol  
Concen: 275.602 ug/l  
RT: 5.17 min Scan# 535  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | 59 | 57 | Ratio | 100 | 10.2 | Resp | 16886 | Lower | 7.6 | Upper | 11.4 |
|---------|----|----|-------|-----|------|------|-------|-------|-----|-------|------|
| Ion     | 59 | 57 | Ratio | 100 | 10.2 | Resp | 16886 | Lower | 7.6 | Upper | 11.4 |

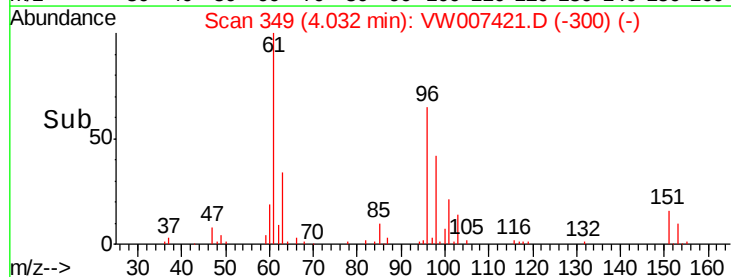
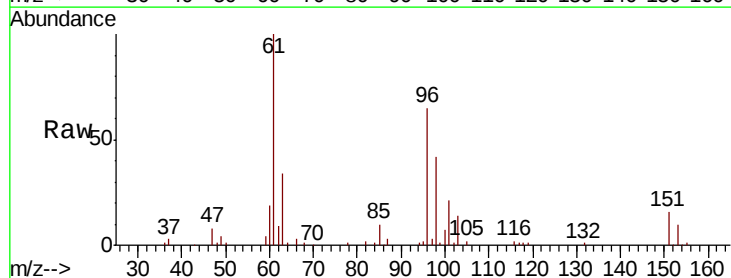
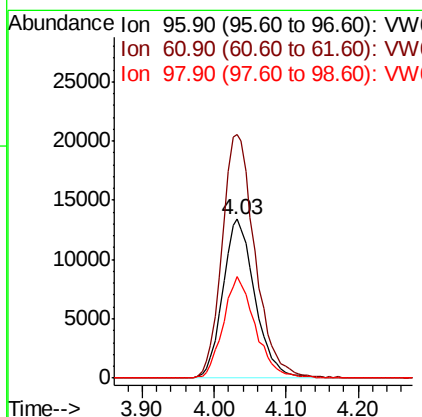
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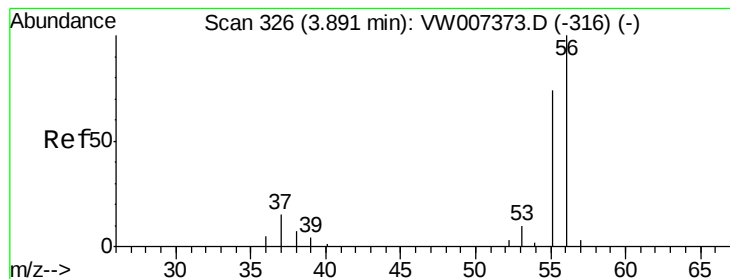
MMDadoda  
12/12/2018 2:42:30 PM



#12  
1,1-Dichloroethene  
Concen: 52.741 ug/l  
RT: 4.03 min Scan# 349  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 153.6 | 64.3 | Resp | 41604 | Lower | 126.2 | 48.3 | Upper | 189.2 | 72.5 |
|---------|----|----|----|-------|-----|-------|------|------|-------|-------|-------|------|-------|-------|------|
| Ion     | 96 | 61 | 98 | Ratio | 100 | 153.6 | 64.3 | Resp | 41604 | Lower | 126.2 | 48.3 | Upper | 189.2 | 72.5 |





#13

Acrolein

Concen: 29.796 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

ClientSampleId :

S32-0632MS

Tot Ion: 56 Resp: 1208

Ion Ratio Lower Upper

56 100

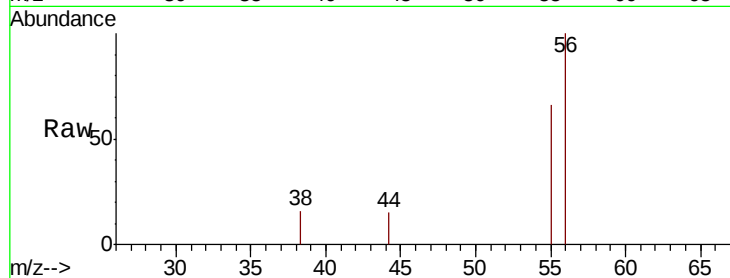
55 84.3 57.4 86.2

Manual Integrations

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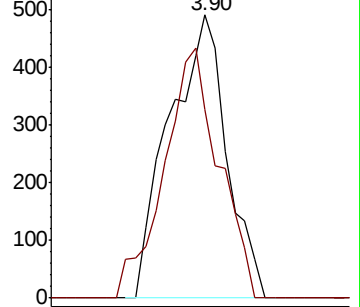
MMDadoda

12/12/2018 2:42:30 PM

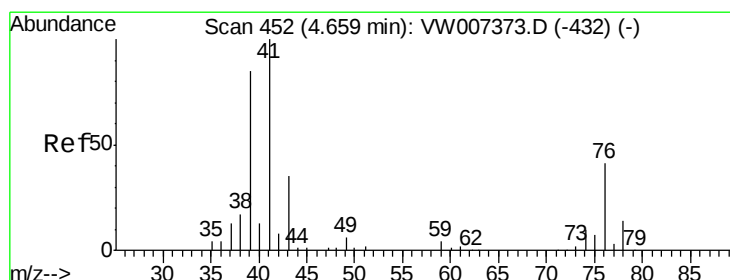
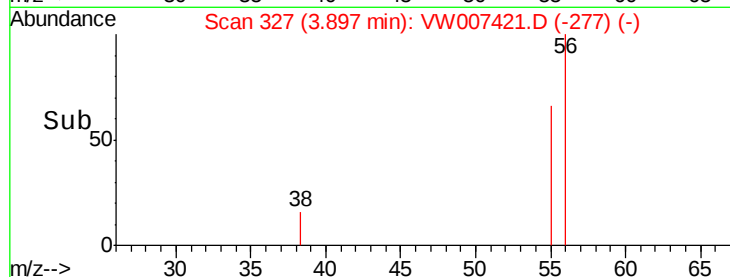


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 49.622 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

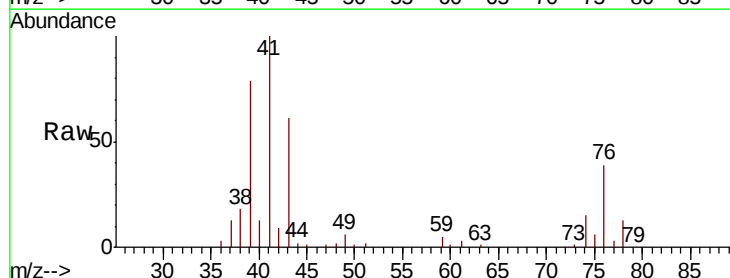
Tgt Ion: 41 Resp: 57698

Ion Ratio Lower Upper

41 100

39 79.3 63.4 95.2

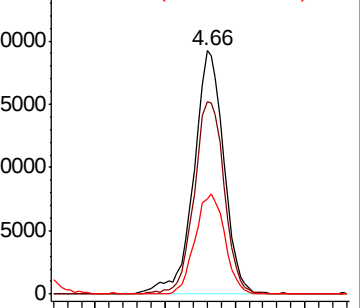
76 40.6 32.1 48.1



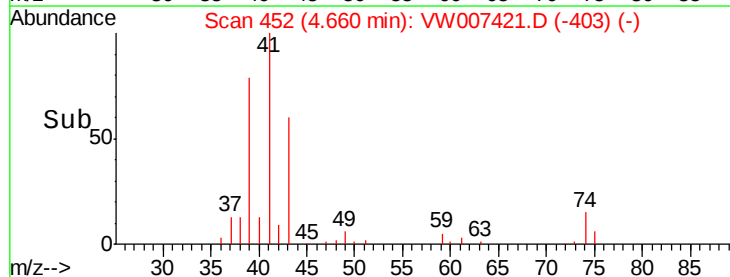
Abundance Ion 41.00 (40.70 to 41.70): VW

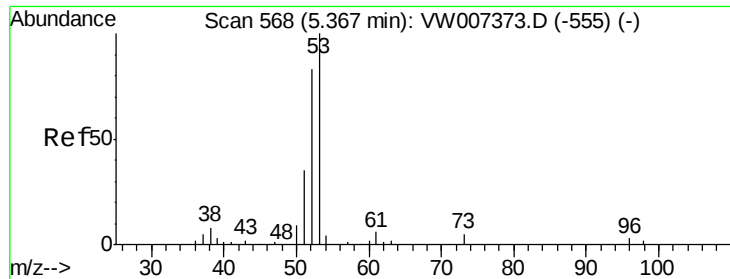
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 265.748 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

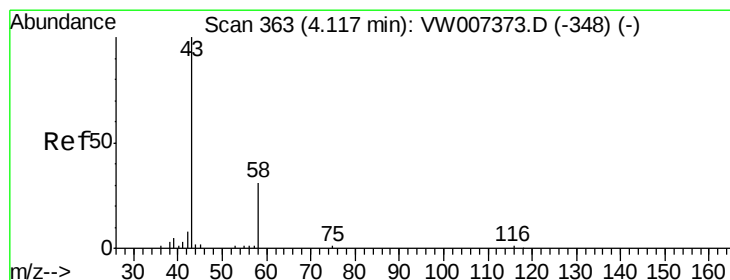
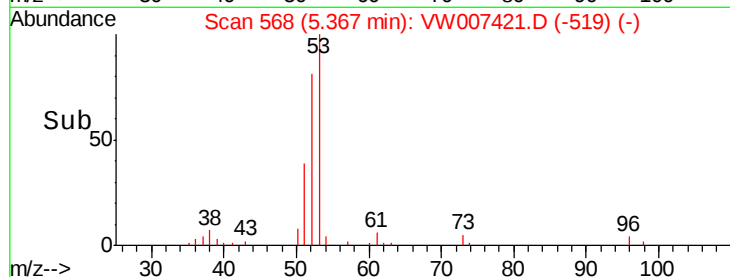
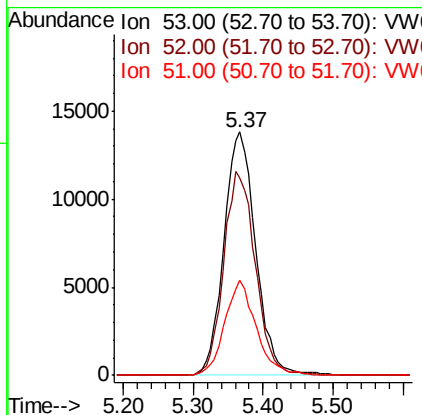
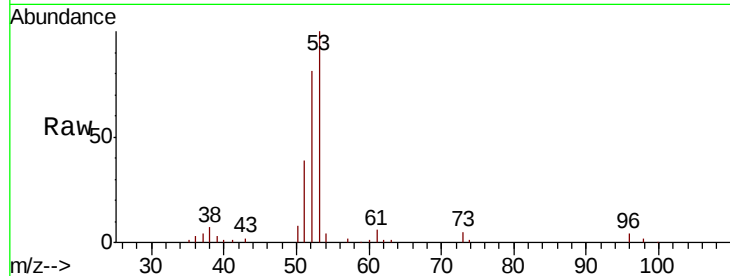
ClientSampleId :

S32-0632MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 43537 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.4  | 67.4  | 101.2 |
| 51       | 38.5  | 30.2  | 45.2  |

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#16

Acetone

Concen: 299.448 ug/l

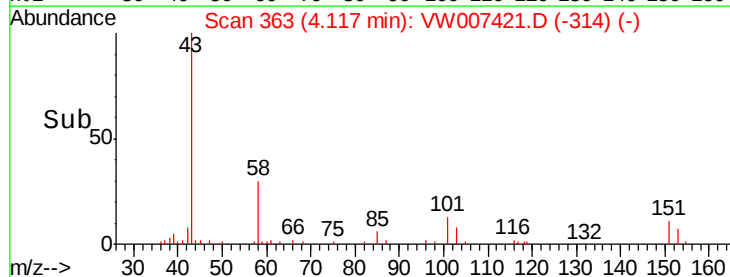
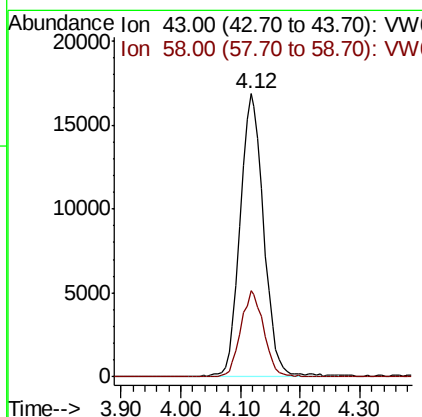
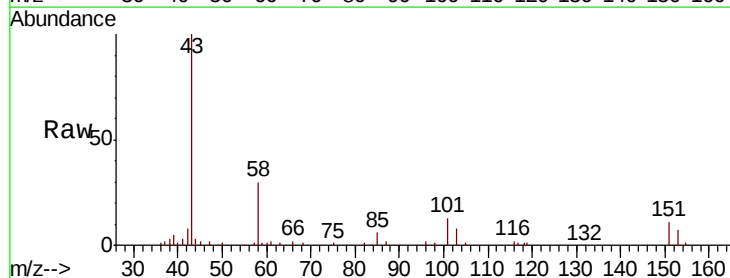
RT: 4.12 min Scan# 363

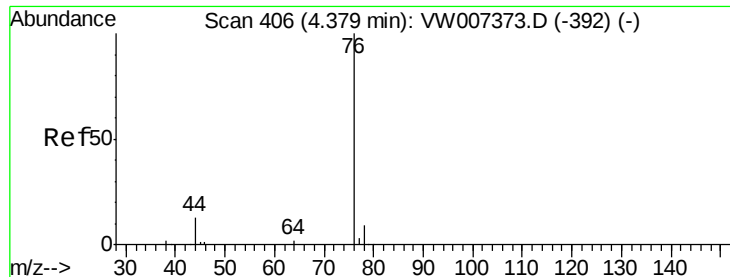
Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 46662 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.3  | 24.9  | 37.3  |





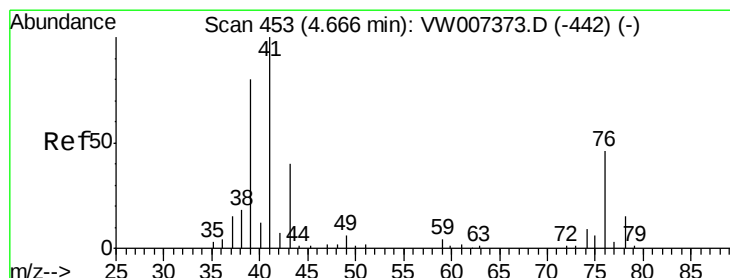
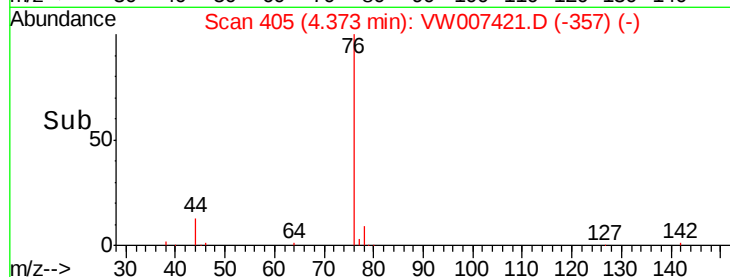
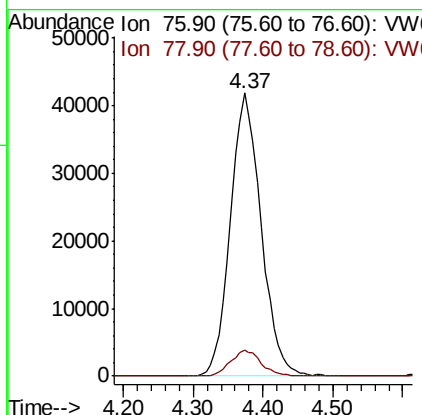
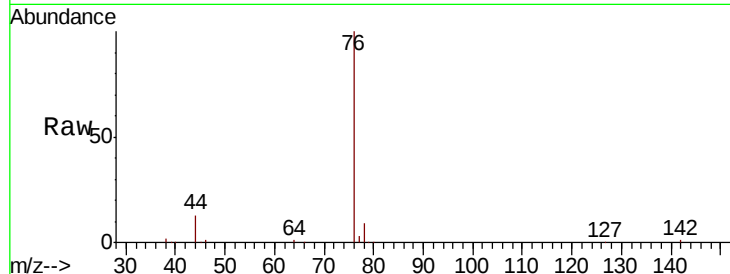
#17  
Carbon Disulfide  
Concen: 53.426 ug/l  
RT: 4.37 min Scan# 405  
Delta R.T. -0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.1   | 10.7  |

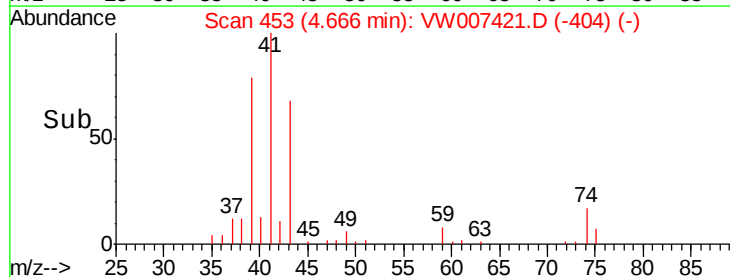
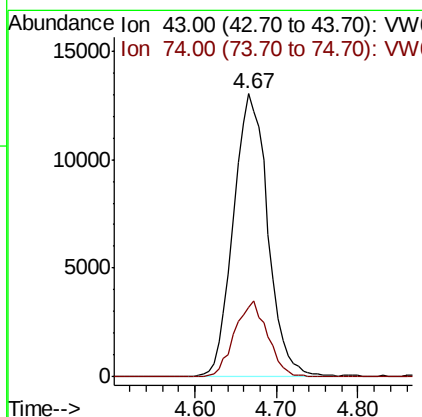
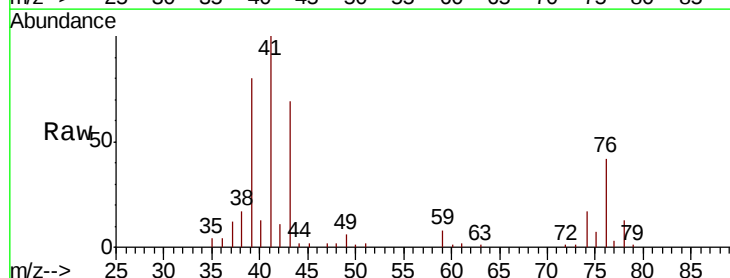
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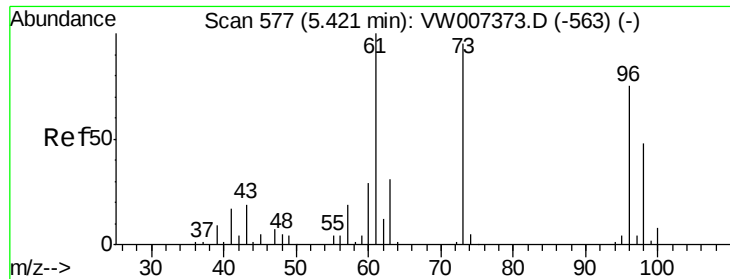
MMDadoda  
12/12/2018 2:42:30 PM



#18  
Methyl Acetate  
Concen: 90.207 ug/l  
RT: 4.67 min Scan# 453  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.7  | 21.1  | 31.7  |





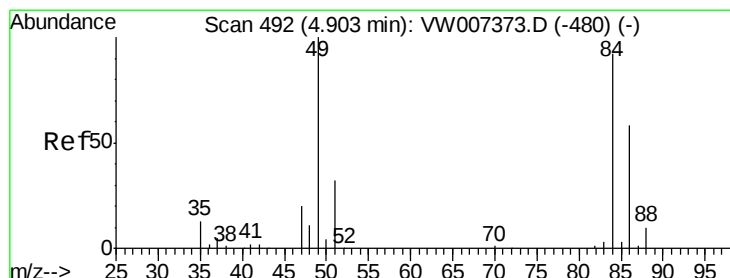
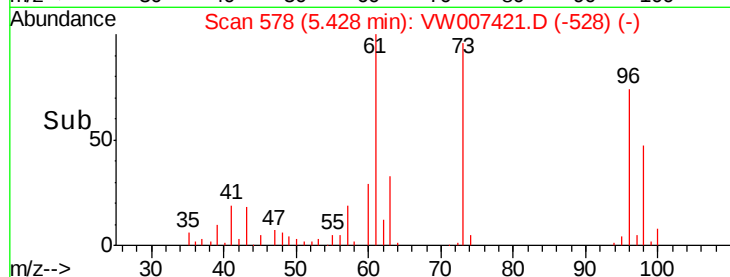
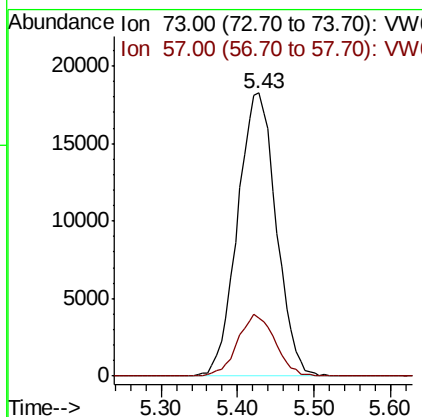
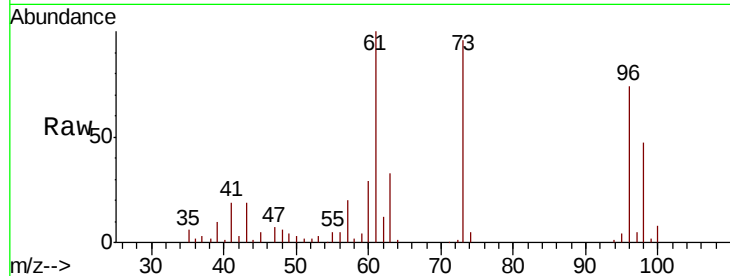
#19  
Methvl tert-butvl Ether  
Concen: 53.794 ug/l  
RT: 5.43 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

Tot Ion: 73 Resp: 64015  
Ion Ratio Lower Upper  
73 100  
57 20.5 16.4 24.6

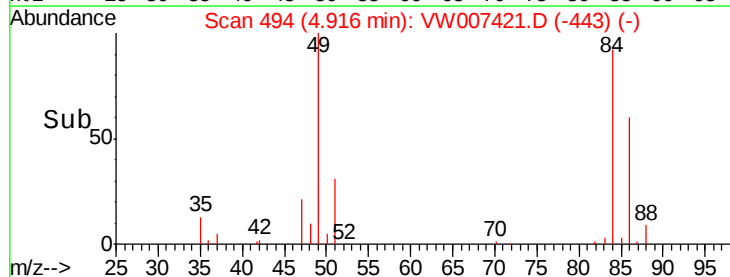
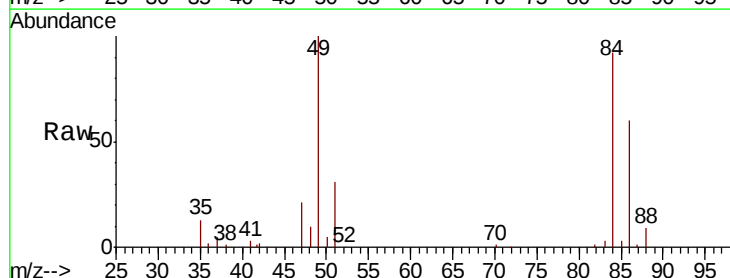
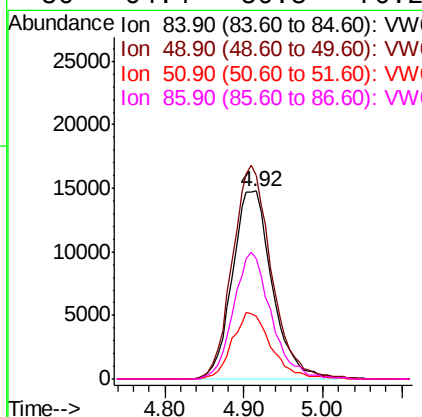
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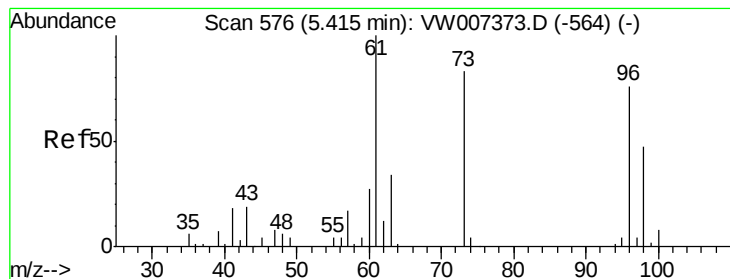
MMDadoda  
12/12/2018 2:42:30 PM



#20  
Methylene Chloride  
Concen: 61.834 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Tgt Ion: 84 Resp: 51901  
Ion Ratio Lower Upper  
84 100  
49 108.2 87.1 130.7  
51 33.3 28.2 42.2  
86 64.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 51.775 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

ClientSampleId :

S32-0632MS

Tot Ion: 96 Resp: 45688

Ion Ratio Lower Upper

96 100

61 130.8 105.0 157.6

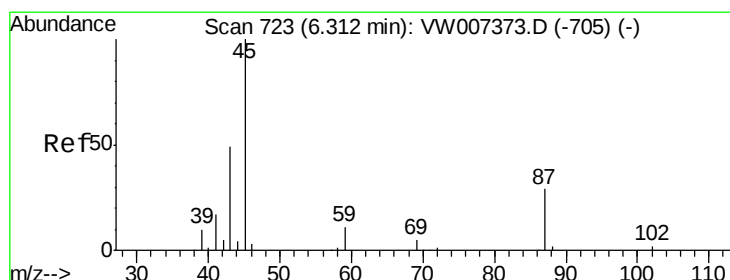
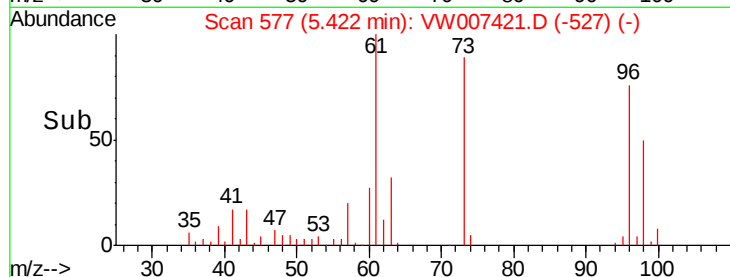
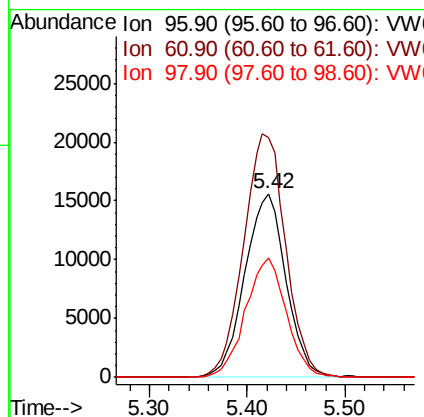
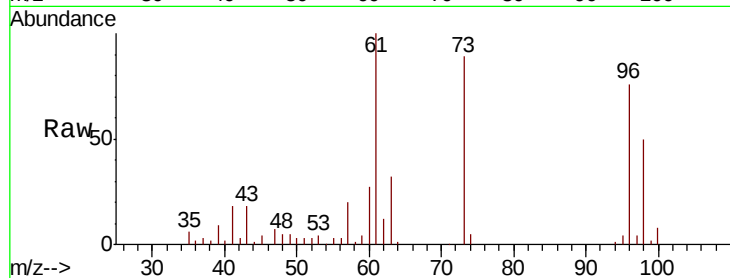
98 65.1 49.7 74.5

Manual Integrations

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MMDadoda

12/12/2018 2:42:30 PM



#22

Diisopropyl ether

Concen: 52.159 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Tgt Ion: 45 Resp: 116574

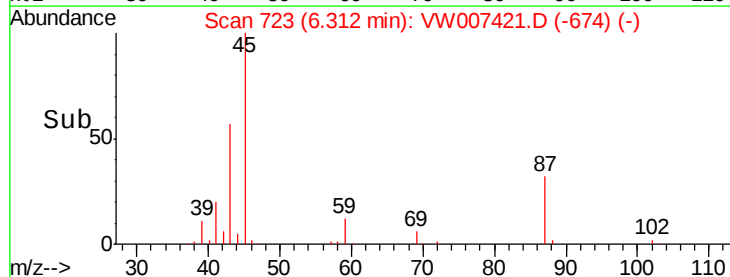
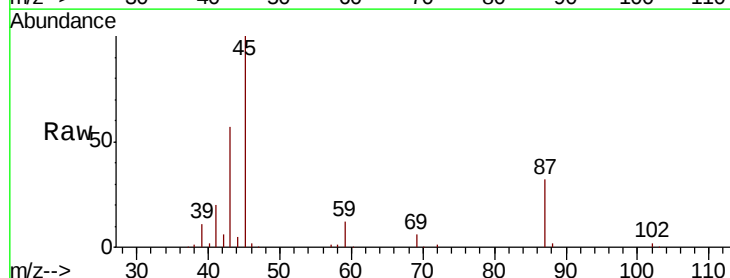
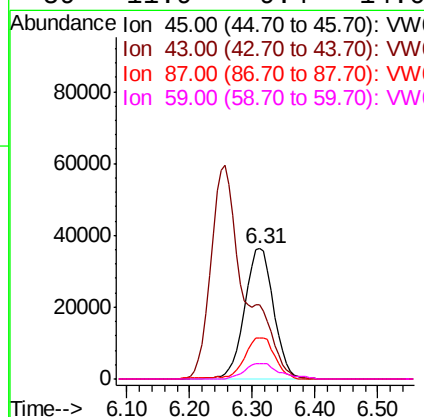
Ion Ratio Lower Upper

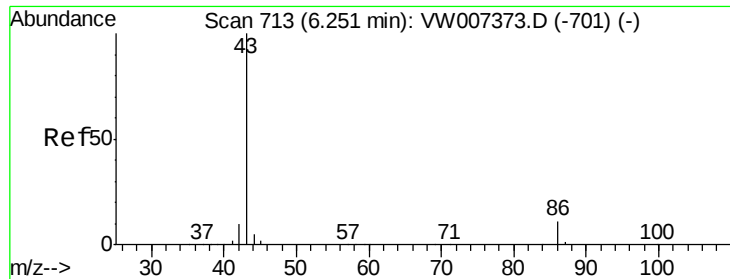
45 100

43 56.4 41.6 62.4

87 31.6 24.3 36.5

59 11.9 9.4 14.0





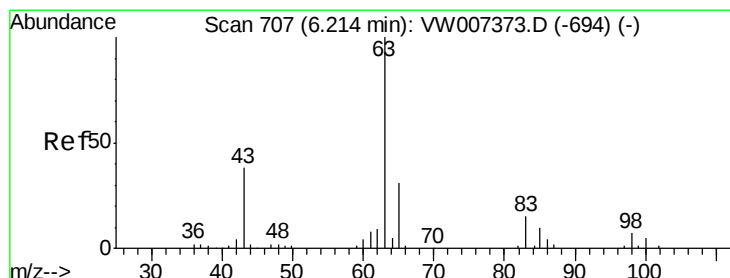
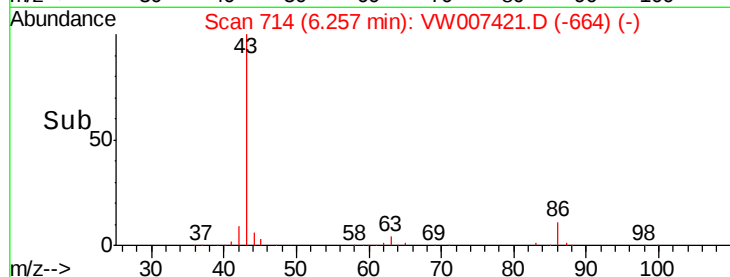
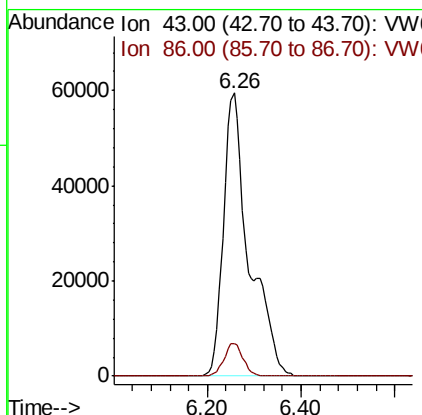
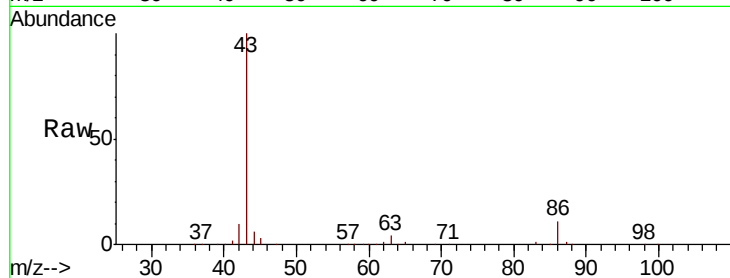
#23  
 Vinyl Acetate  
 Concen: 180.374 ug/l m  
 RT: 6.26 min Scan# 714  
 Delta R.T. 0.01 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 11.4  | 8.6   | 12.8  |

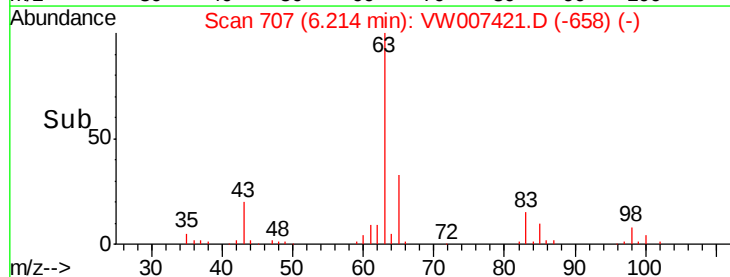
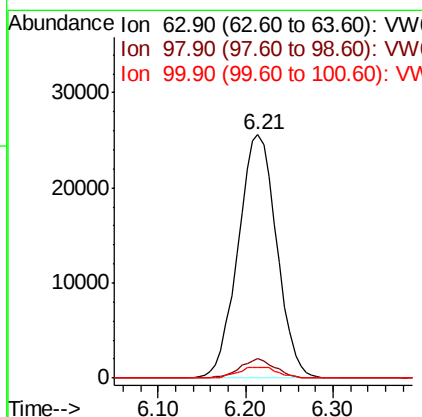
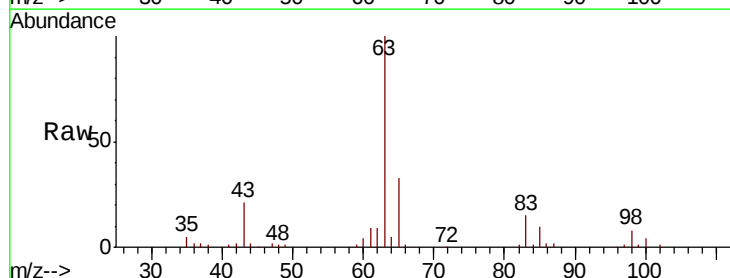
Manual Integrations  
 APPROVED

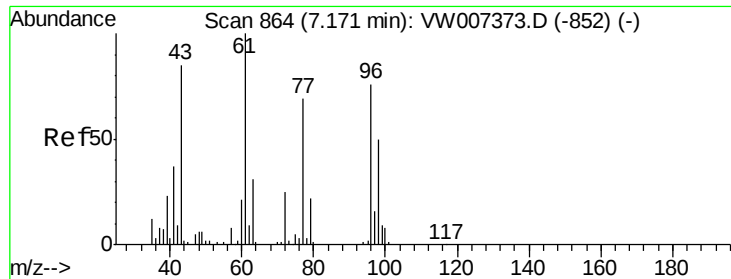
MMDadoda  
 12/12/2018 2:42:30 PM



#24  
 1,1-Dichloroethane  
 Concen: 51.861 ug/l  
 RT: 6.21 min Scan# 707  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 7.8   | 3.5   | 10.4  |
| 100     | 4.5   | 2.5   | 7.5   |





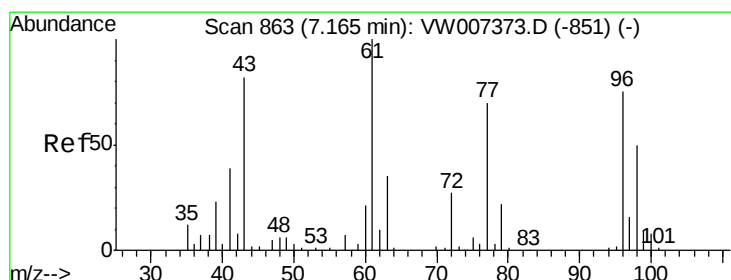
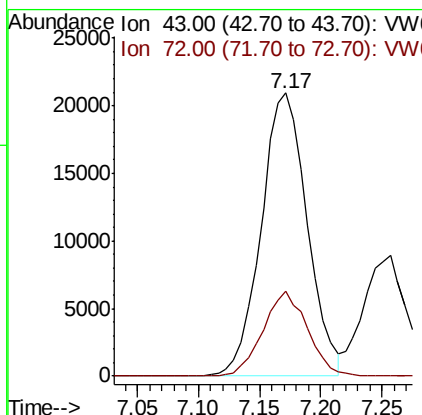
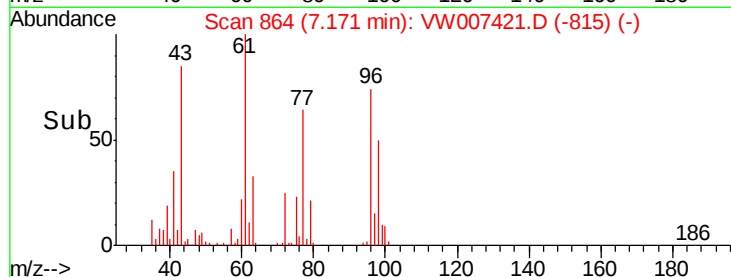
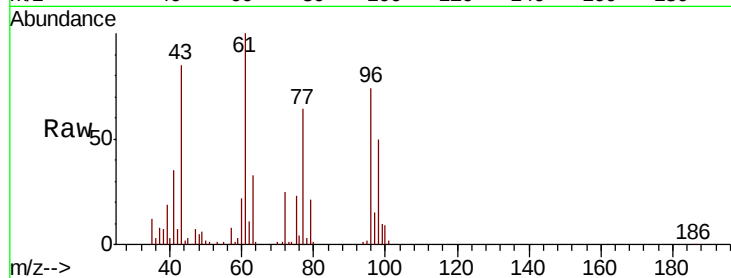
#25  
2-Butanone  
Concen: 269.717 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

Tot Ion: 43 Resp: 54869  
Ion Ratio Lower Upper  
43 100  
72 29.8 23.4 35.2

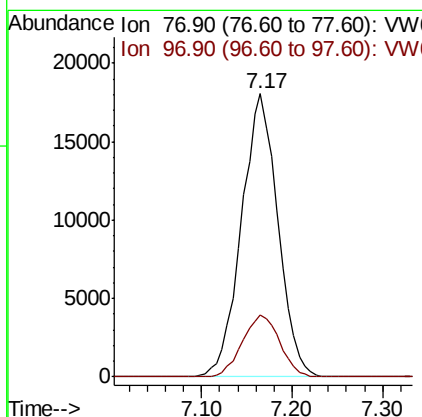
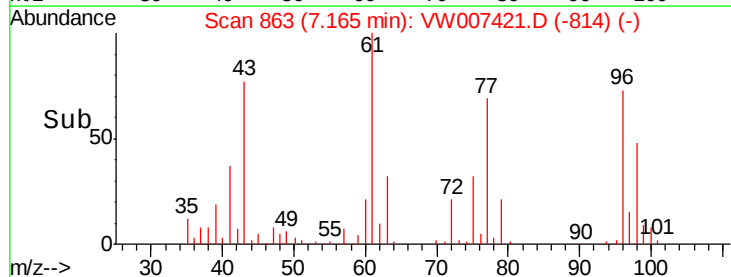
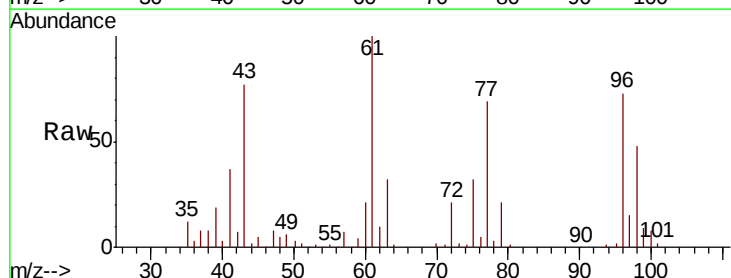
Manual Integrations  
APPROVED

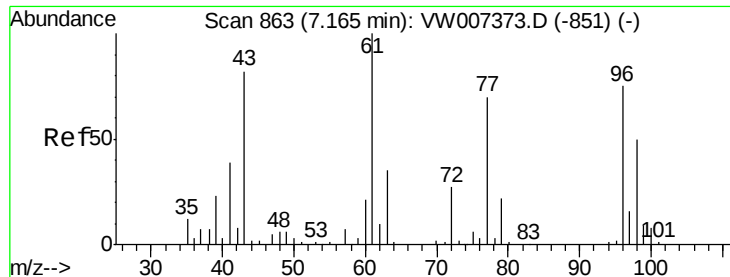
MMDadoda  
12/12/2018 2:42:30 PM



#26  
2,2-Dichloropropane  
Concen: 50.279 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Tgt Ion: 77 Resp: 50264  
Ion Ratio Lower Upper  
77 100  
97 22.3 11.6 34.8





#27

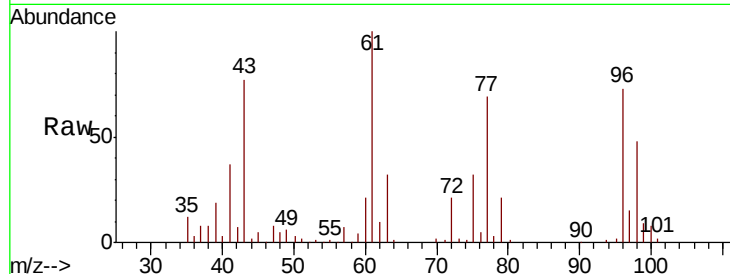
cis-1,2-Dichloroethene  
Concen: 51.978 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

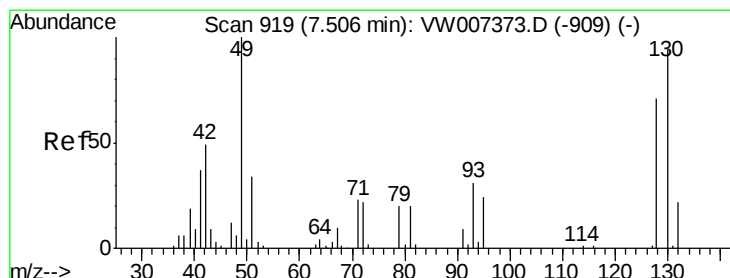
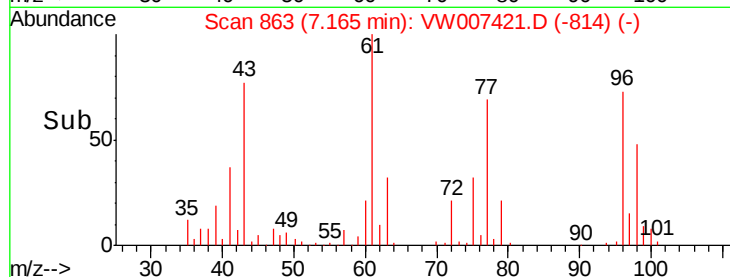
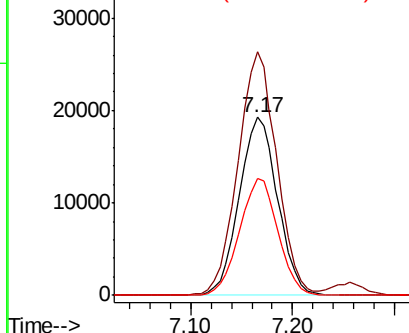
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 138.6 | 0.0   | 268.4 |
| 98      | 65.8  | 0.0   | 127.8 |

Manual Integrations  
APPROVED

MMDadoda  
12/12/2018 2:42:30 PM



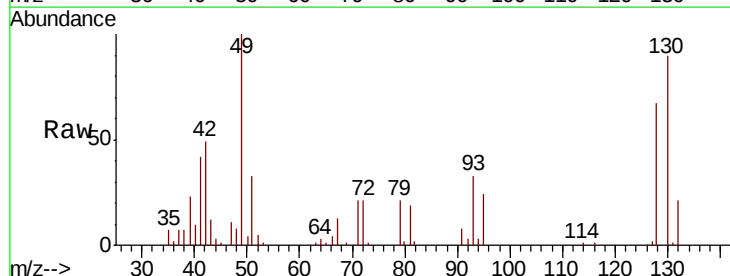
Abundance Ion 95.90 (95.60 to 96.60): VW  
Ion 60.90 (60.60 to 61.60): VW  
Ion 97.90 (97.60 to 98.60): VW



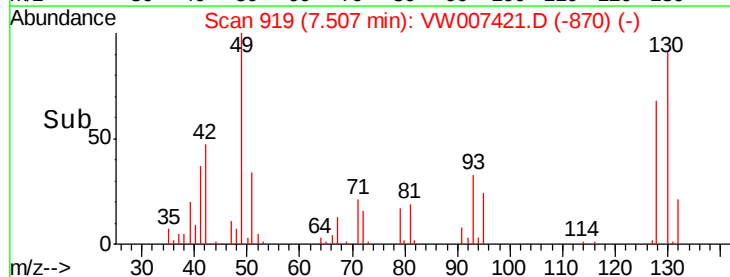
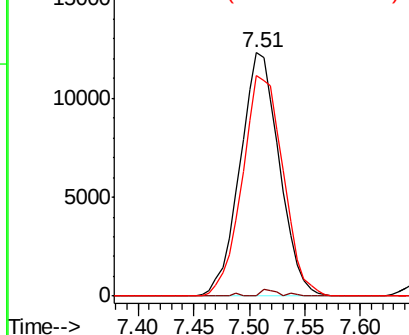
#28

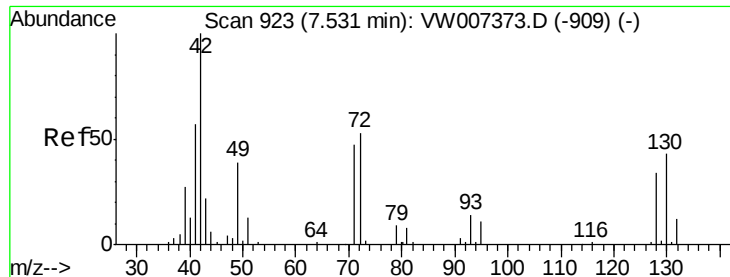
Bromochloromethane  
Concen: 53.049 ug/l  
RT: 7.51 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.3   | 0.0   | 2.6   |
| 130     | 94.4  | 75.9  | 113.9 |



Abundance Ion 48.90 (48.60 to 49.60): VW  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





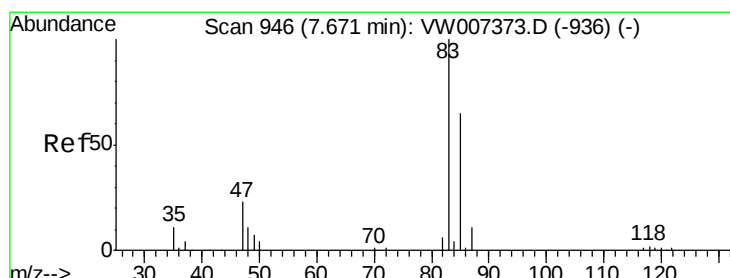
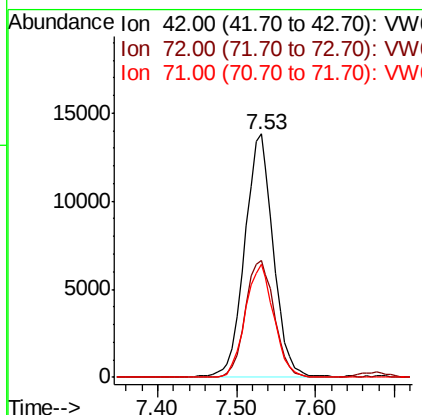
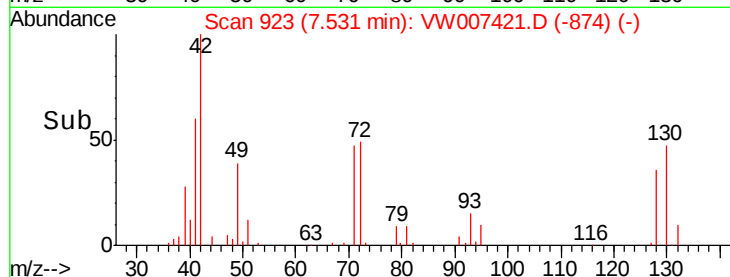
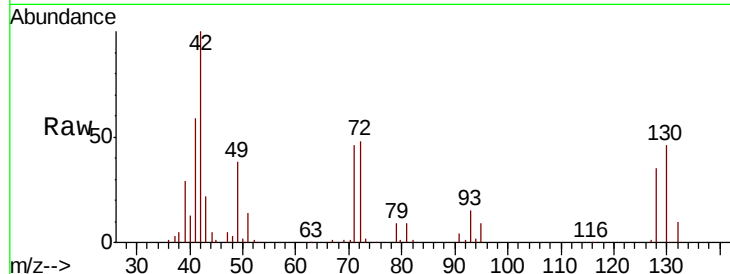
#29  
Tetrahydrofuran  
Concen: 269.633 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.7  | 38.2  | 57.4  |
| 71      | 46.2  | 35.5  | 53.3  |

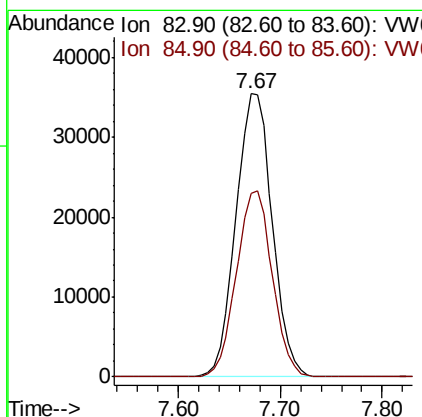
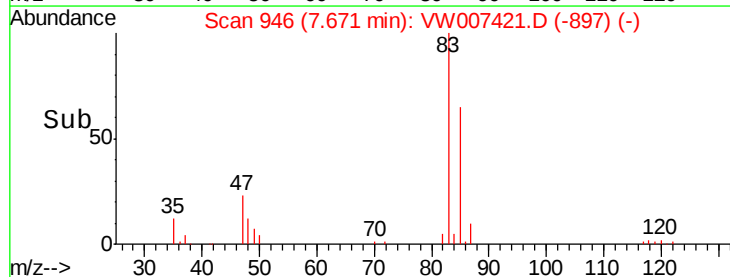
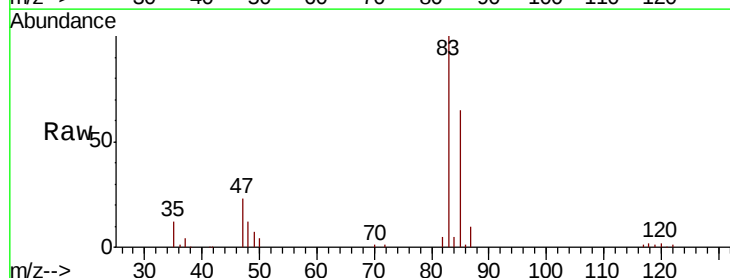
Manual Integrations  
APPROVED

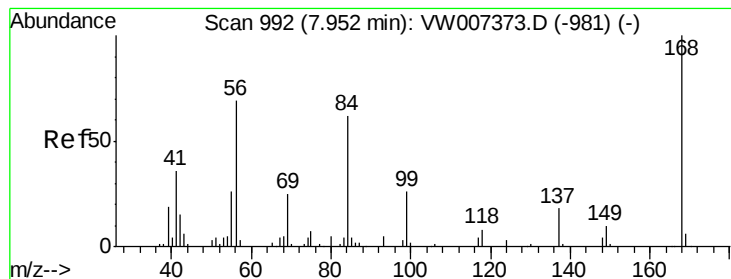
MMDadoda  
12/12/2018 2:42:30 PM



#30  
Chloroform  
Concen: 53.302 ug/l  
RT: 7.67 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.0  | 51.8  | 77.8  |





#31

Cyclohexane

Concen: 47.017 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

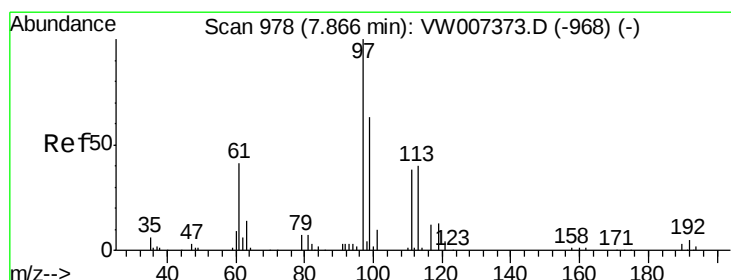
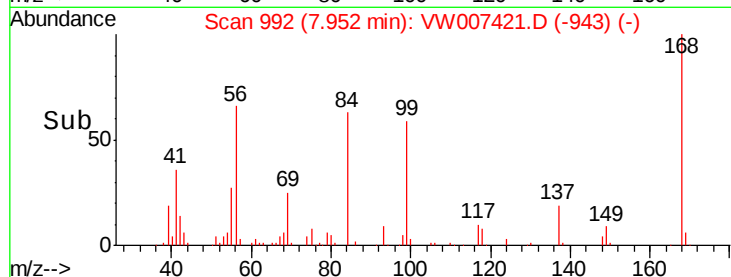
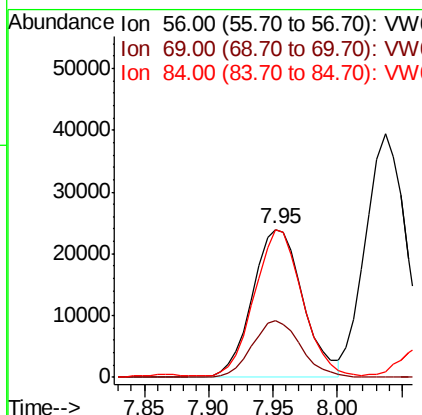
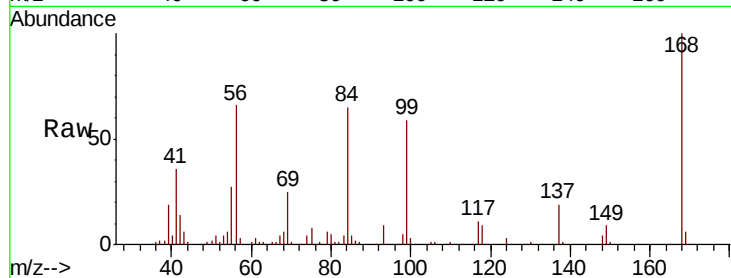
ClientSampleID :

S32-0632MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 65160 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 38.4  | 28.9  | 43.3  |
| 84       | 98.0  | 71.8  | 107.6 |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 52.144 ug/l

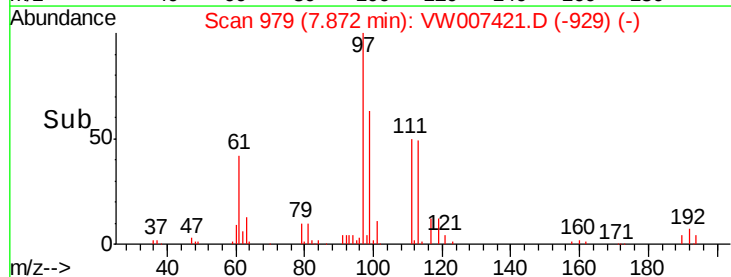
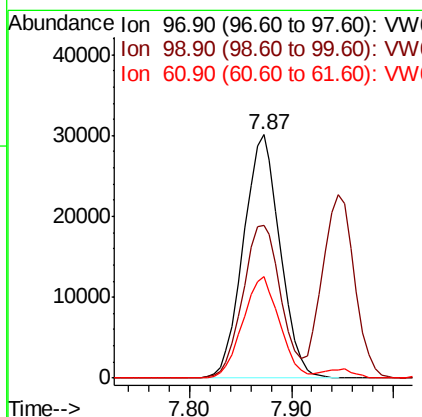
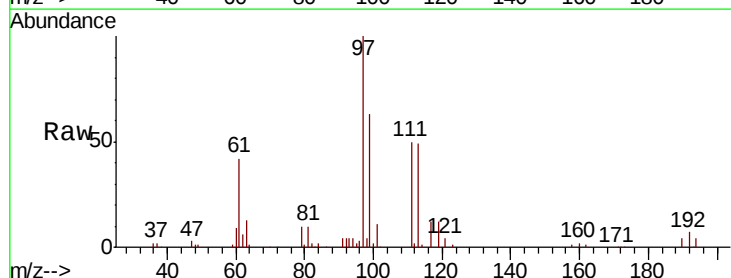
RT: 7.87 min Scan# 979

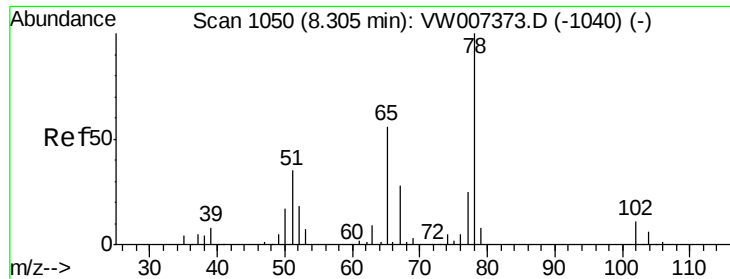
Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 75166 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.9  | 51.1  | 76.7  |
| 61       | 41.8  | 33.2  | 49.8  |





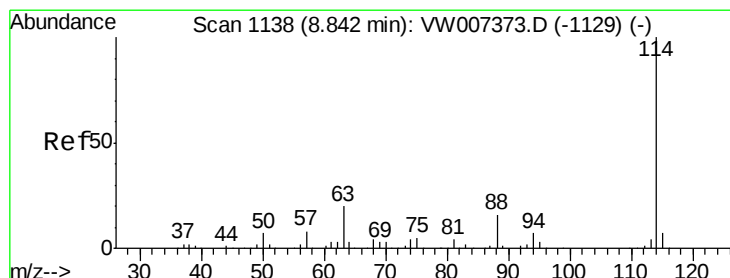
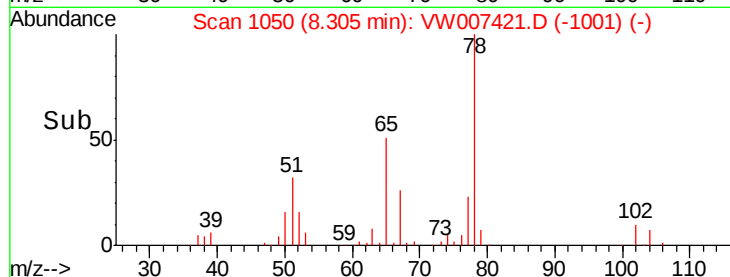
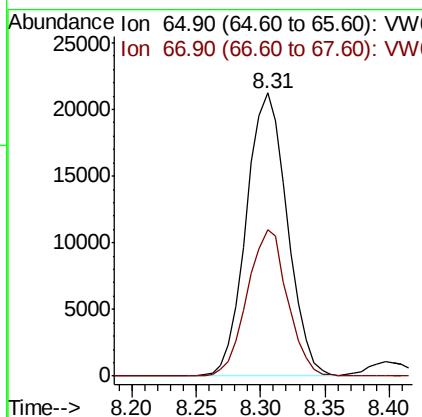
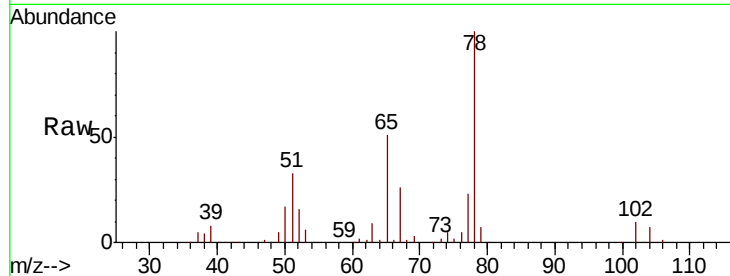
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.399 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   | 46746 |       |       |
| 67      | 50.8  | 0.0   | 101.6 |       |

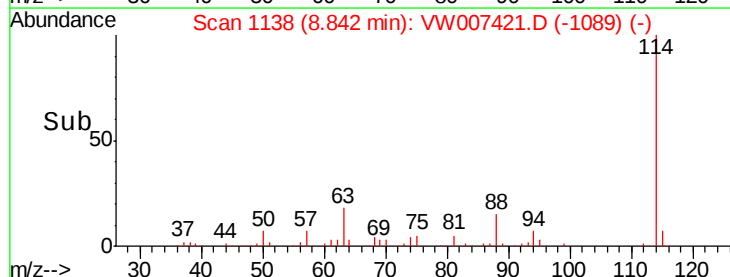
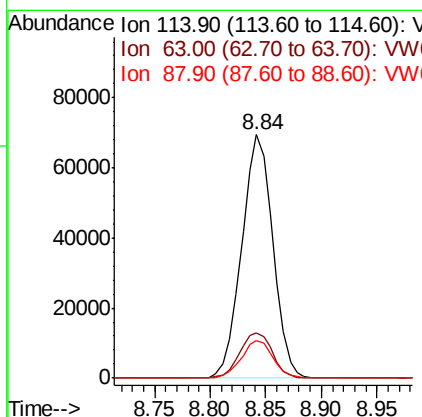
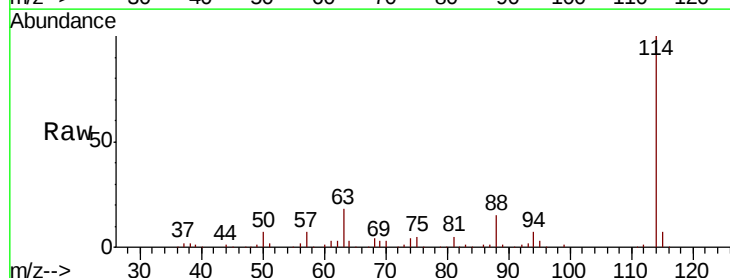
Manual Integrations  
 APPROVED

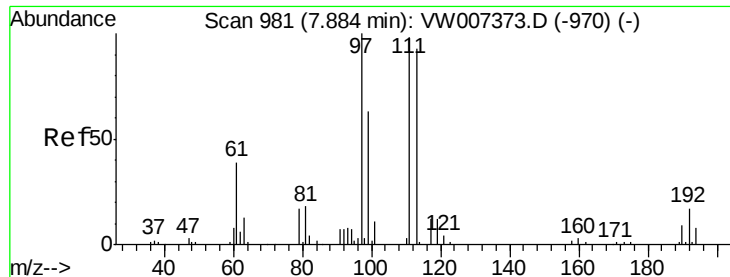
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 134894 |       |       |
| 63      | 18.4  | 0.0    | 39.6  |       |
| 88      | 15.4  | 0.0    | 31.4  |       |





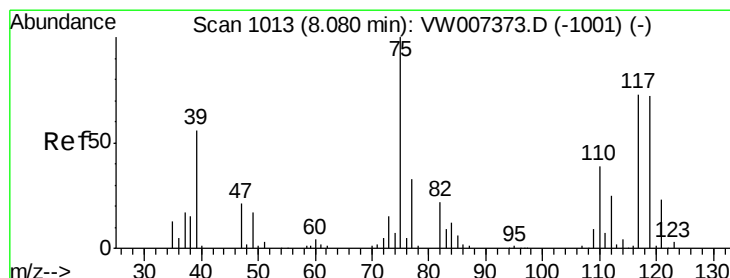
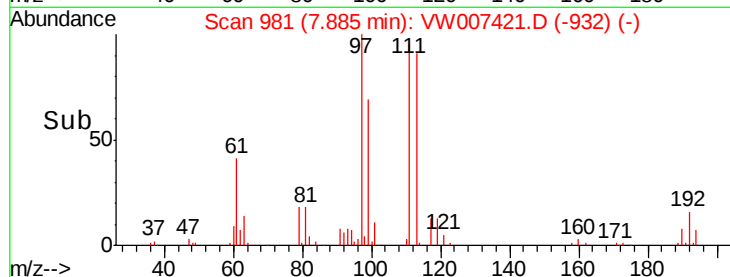
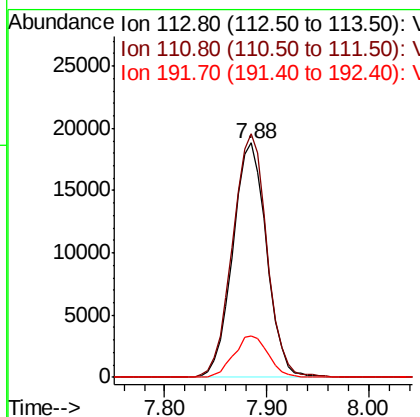
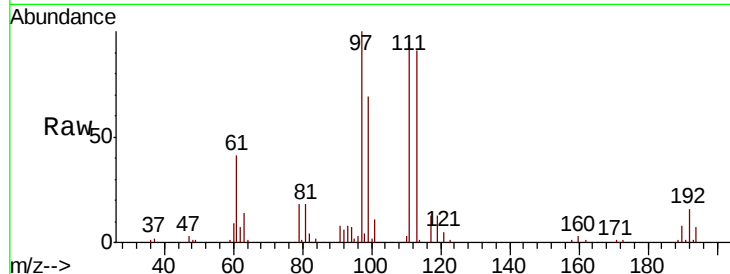
#35  
 Dibromofluoromethane  
 Concen: 52.947 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 105.2 | 81.1  | 121.7 |
| 192     | 18.1  | 14.6  | 21.8  |

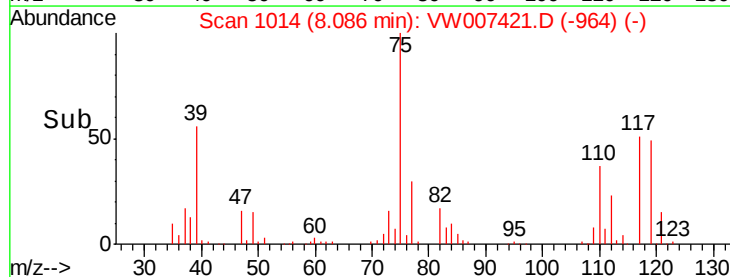
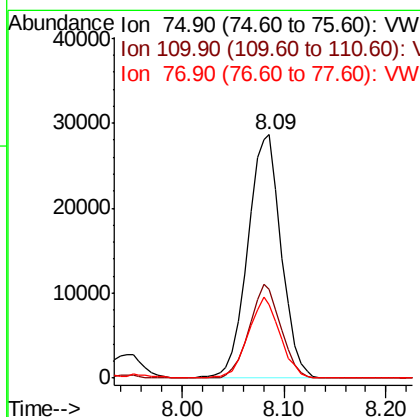
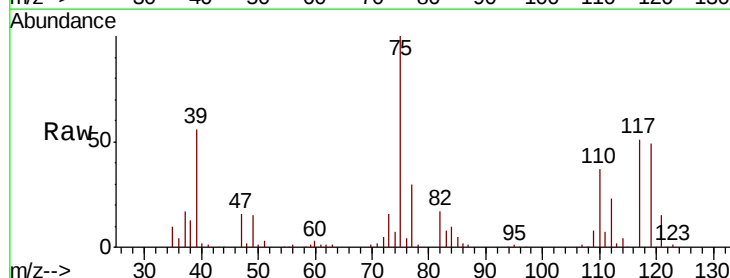
Manual Integrations  
 APPROVED

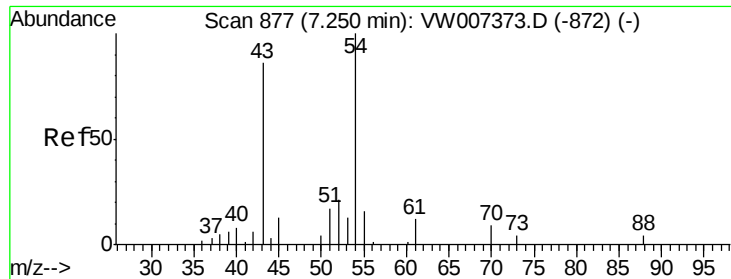
MMDadoda  
 12/12/2018 2:42:30 PM



#36  
 1,1-Dichloropropene  
 Concen: 53.160 ug/l  
 RT: 8.09 min Scan# 1014  
 Delta R.T. 0.01 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.3  | 18.5  | 55.5  |
| 77      | 31.5  | 25.6  | 38.4  |





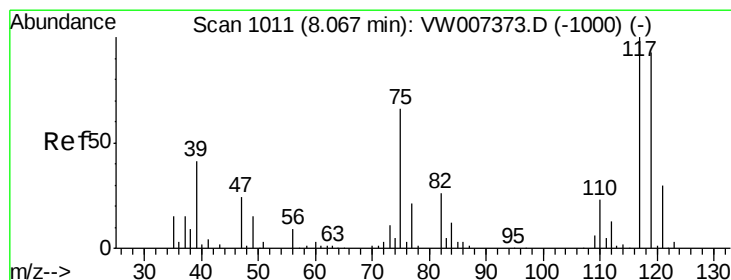
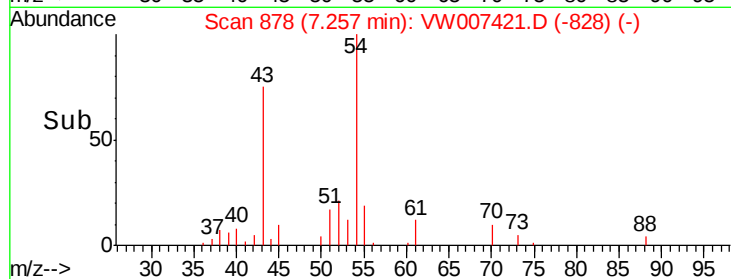
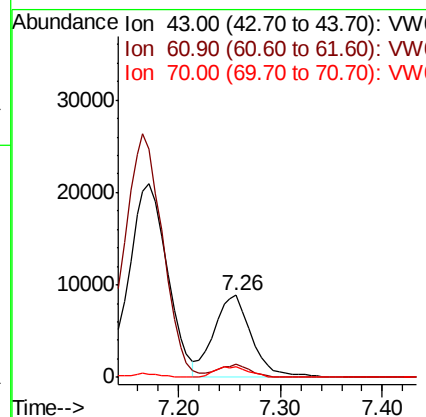
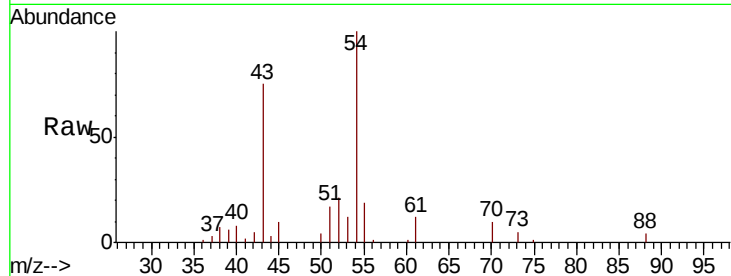
#37  
Ethyl Acetate  
Concen: 50.047 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.3  | 12.1  | 18.1  |
| 70      | 11.9  | 10.0  | 15.0  |

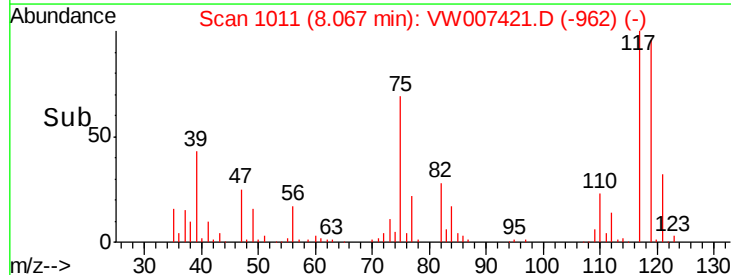
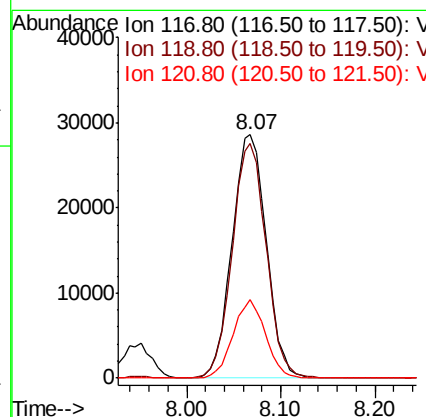
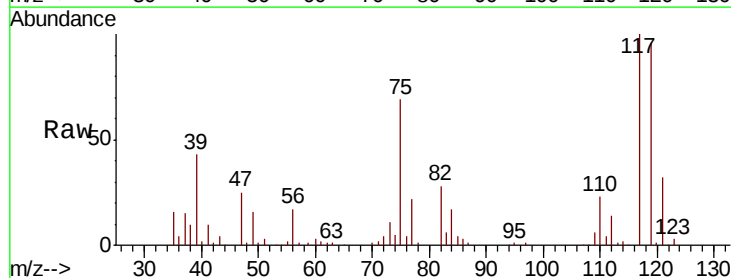
Manual Integrations  
APPROVED

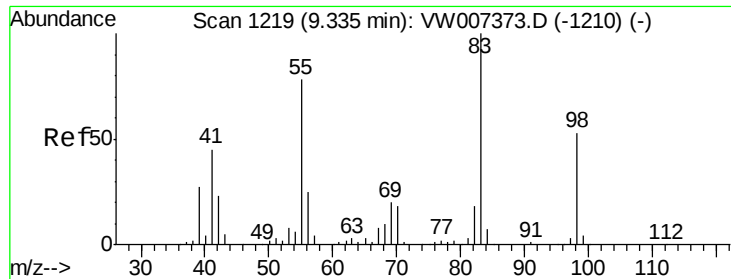
MMDadoda  
12/12/2018 2:42:30 PM



#38  
Carbon Tetrachloride  
Concen: 54.103 ug/l  
RT: 8.07 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.3  | 74.3  | 111.5 |
| 121     | 32.4  | 24.3  | 36.5  |





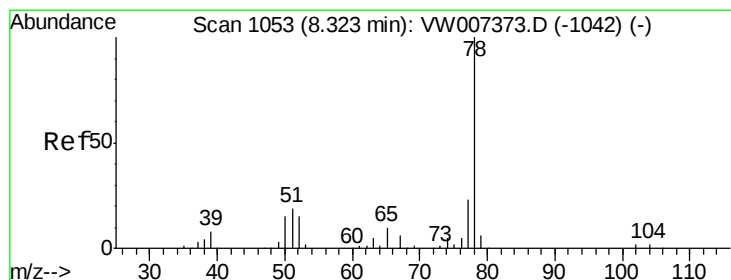
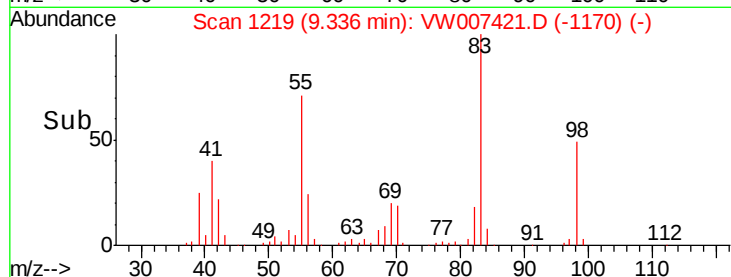
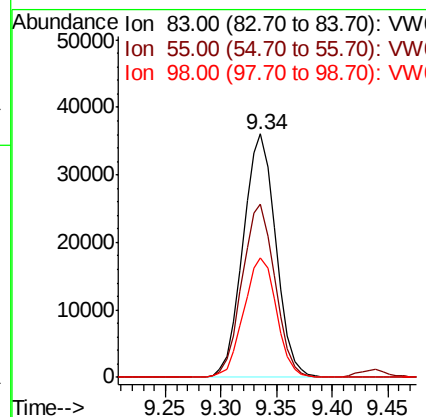
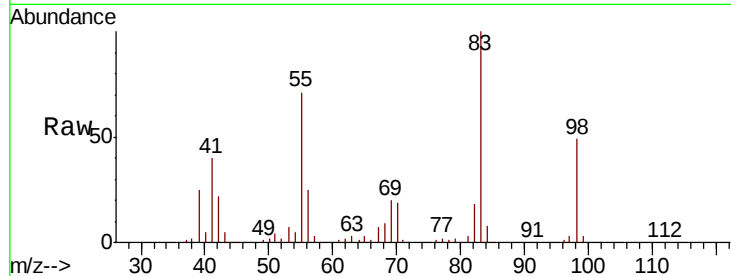
#39  
Methvlcvclohexane  
Concen: 49.374 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 71.1  | 62.8  | 94.2  |
| 98      | 49.1  | 42.2  | 63.2  |

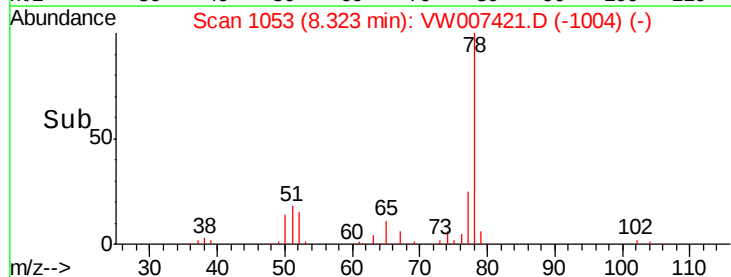
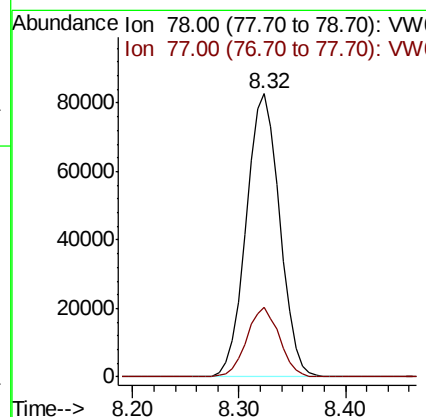
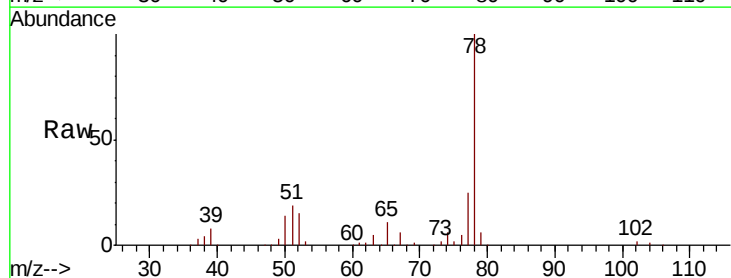
Manual Integrations  
APPROVED

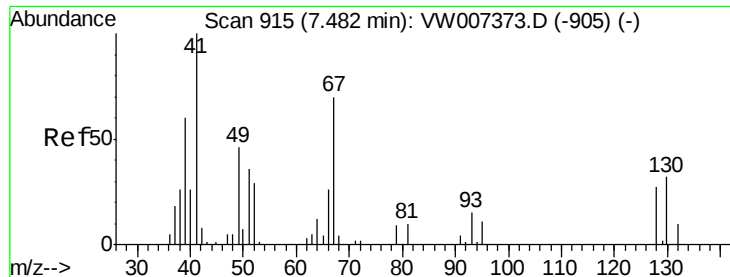
MMDadoda  
12/12/2018 2:42:30 PM



#40  
Benzene  
Concen: 53.541 ug/l  
RT: 8.32 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.7  | 18.8  | 28.2  |





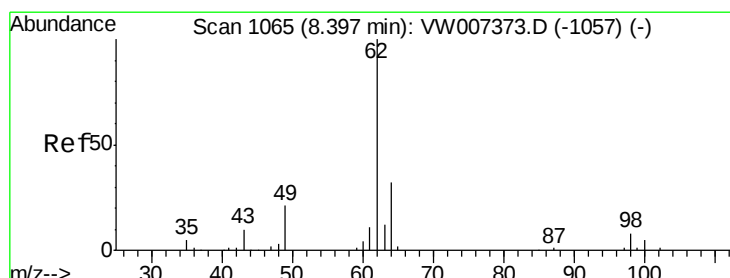
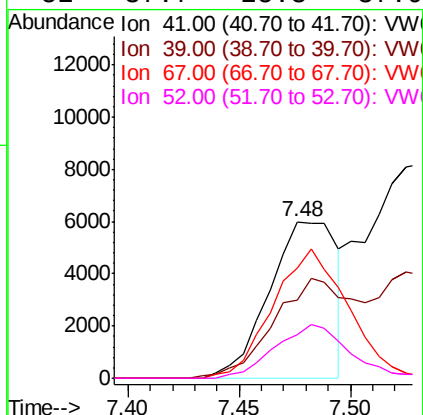
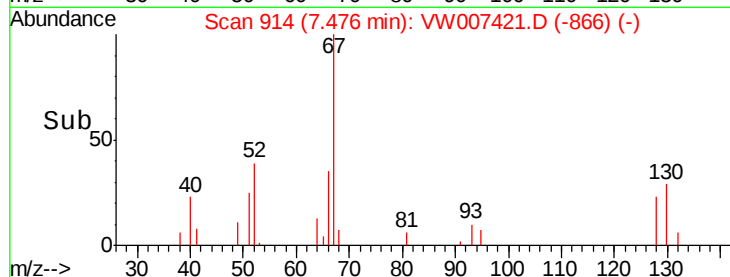
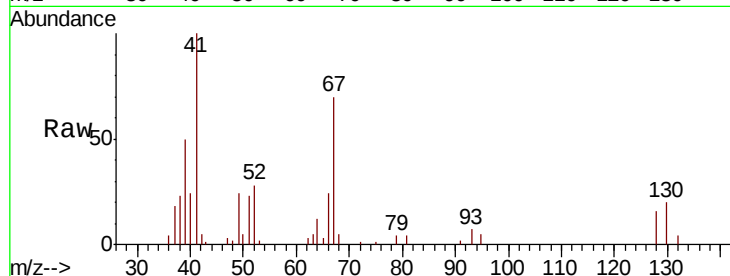
#41  
Methacrylonitrile  
Concen: 48.770 ug/l  
RT: 7.48 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | 41    | Resp  | 12711 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 76.9  | 52.2  | 78.2  |
| 67      | 90.6  | 60.5  | 90.7  |
| 52      | 37.7  | 25.3  | 37.9  |

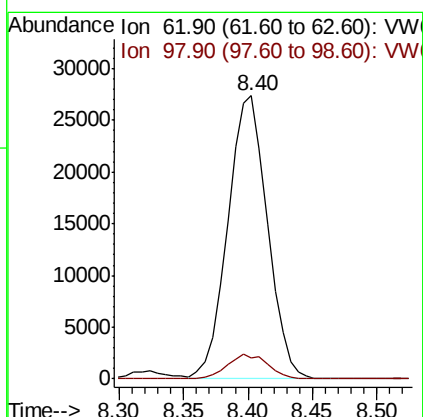
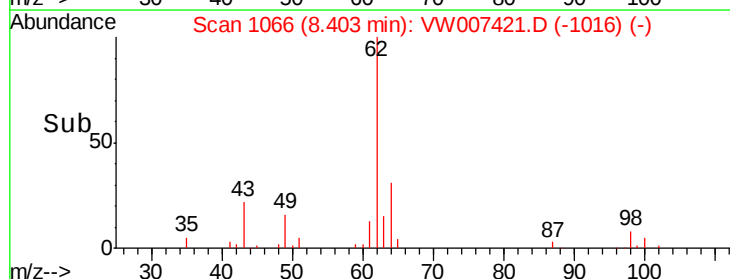
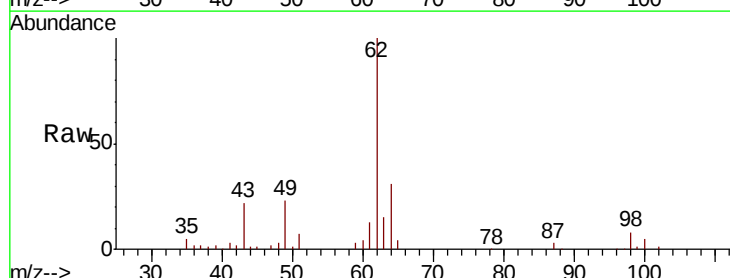
Manual Integrations  
APPROVED

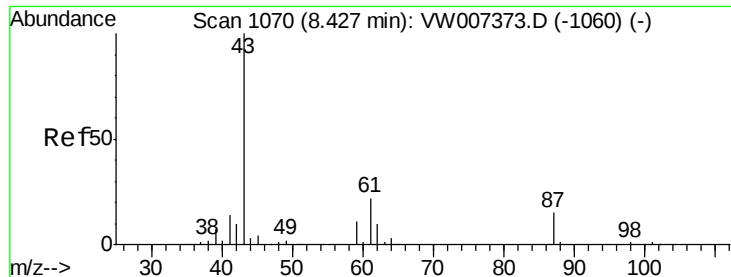
MMDadoda  
12/12/2018 2:42:30 PM



#42  
1,2-Dichloroethane  
Concen: 54.661 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | 62    | Resp  | 58637 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 62      | 100   |       |       |
| 98      | 8.8   | 0.0   | 17.6  |





#43

Isopropyl Acetate

Concen: 52.099 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

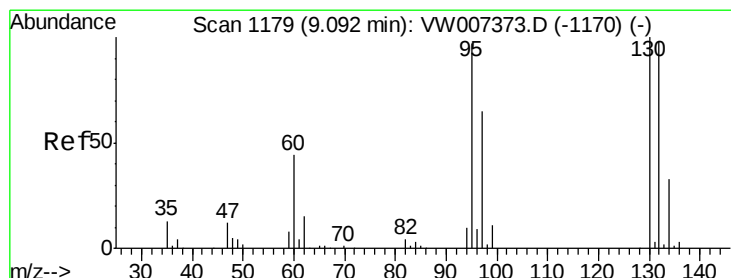
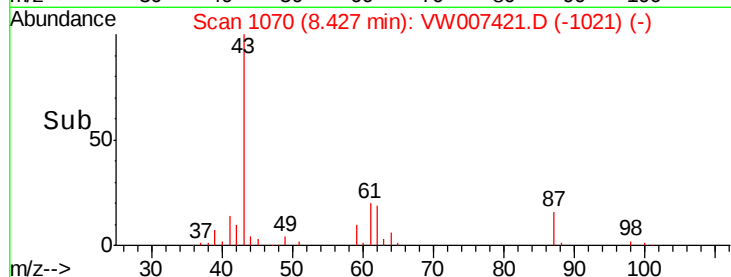
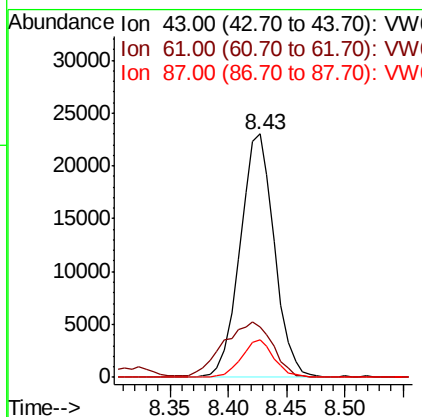
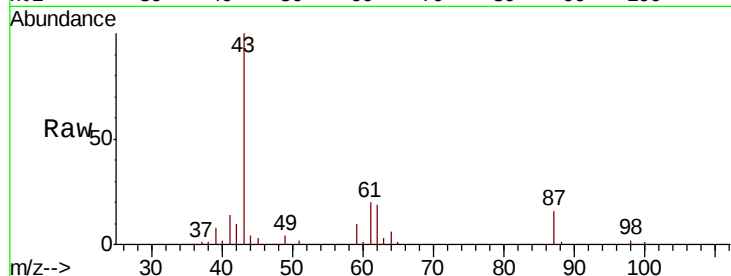
ClientSampleId :

S32-0632MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 47101 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 32.3  | 25.3  | 37.9  |
| 87       | 14.6  | 11.8  | 17.8  |

Manual Integrations  
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12/12/2018 2:42:30 PM



#44

Trichloroethene

Concen: 53.156 ug/l

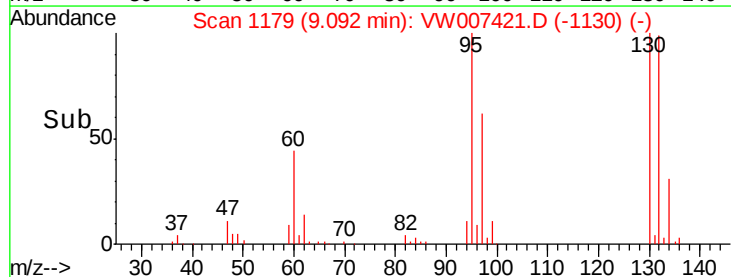
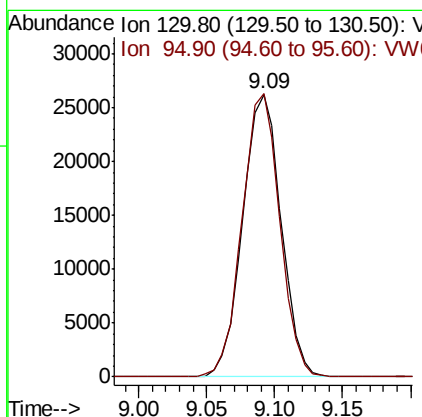
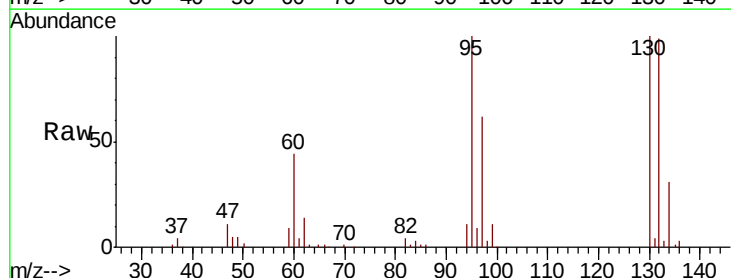
RT: 9.09 min Scan# 1179

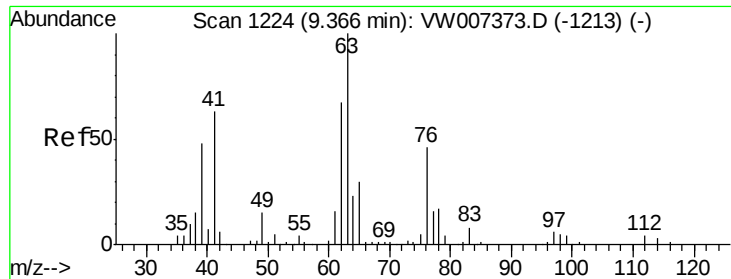
Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 51837 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 100.3 | 0.0   | 193.2 |





#45

1,2-Dichloropropane

Concen: 54.967 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

ClientSampleId :

S32-0632MS

Tot Ion: 63 Resp: 43439

Ion Ratio Lower Upper

63 100

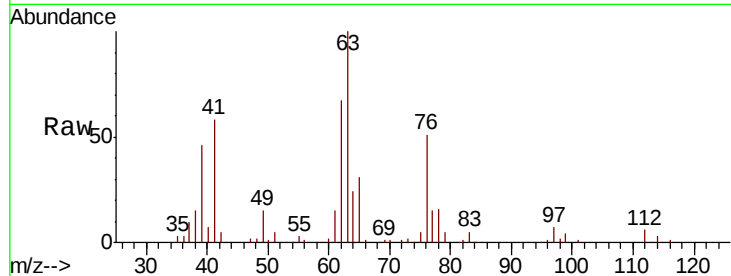
65 31.3 24.4 36.6

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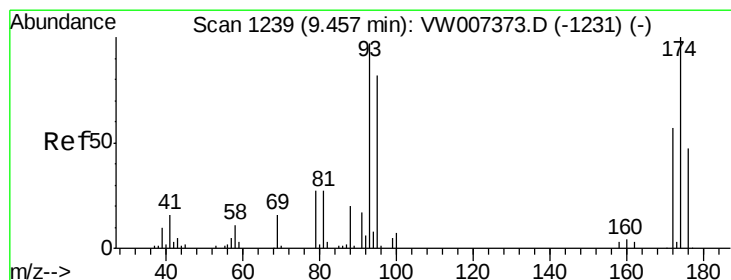
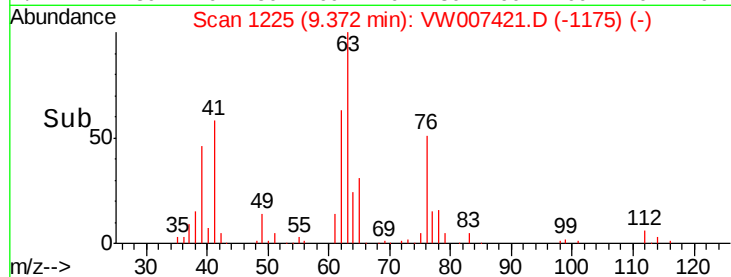
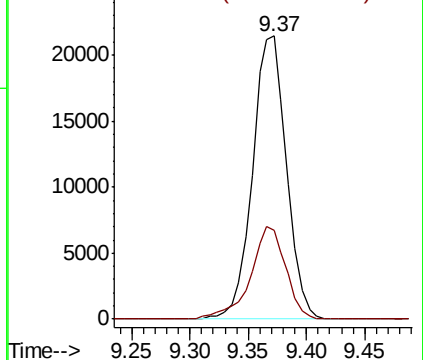
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 55.062 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

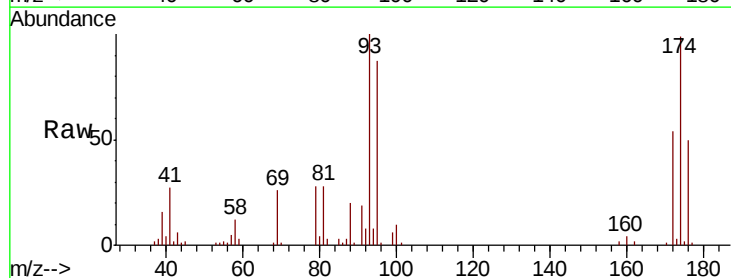
Tgt Ion: 93 Resp: 24711

Ion Ratio Lower Upper

93 100

95 83.1 68.0 102.0

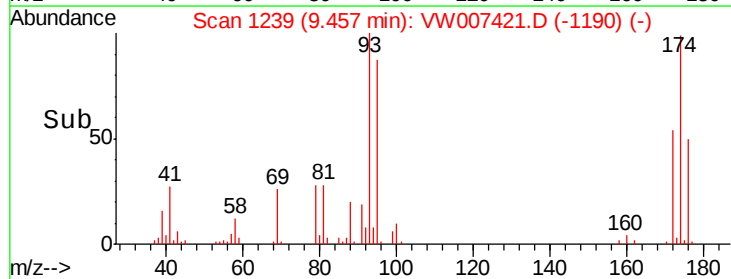
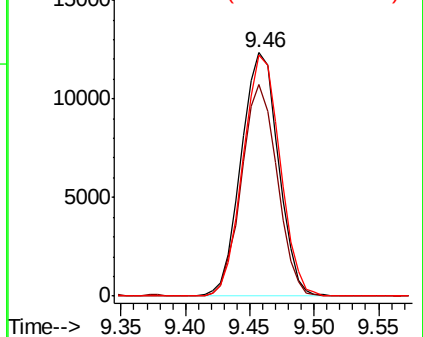
174 98.4 83.2 124.8

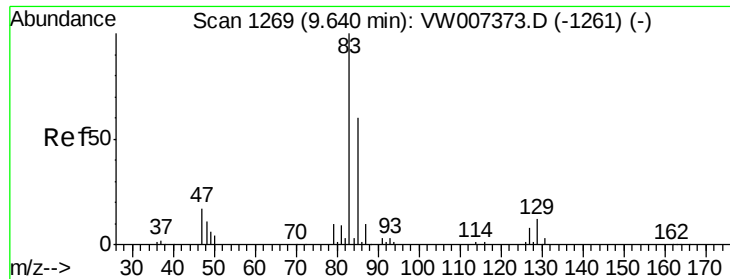


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





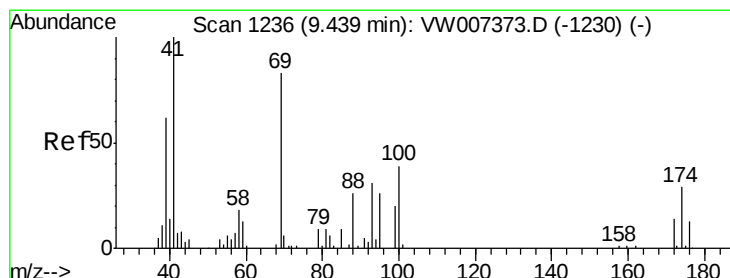
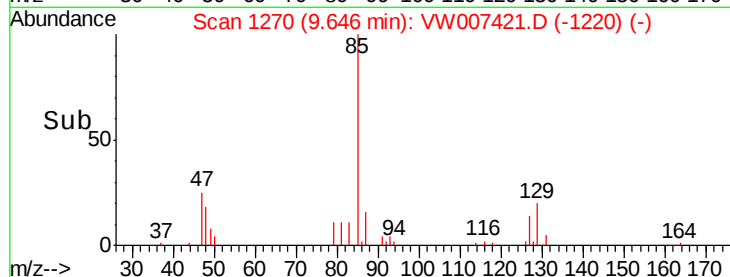
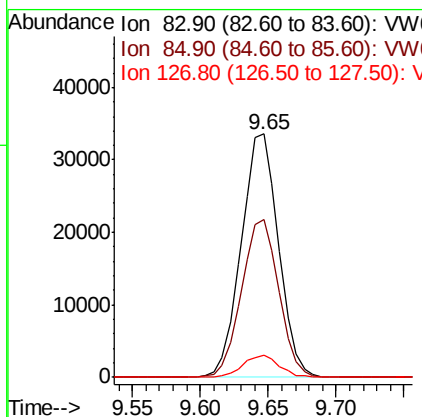
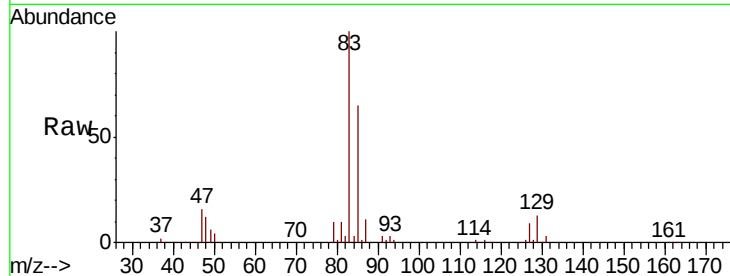
#47  
Bromodichloromethane  
Concen: 54.667 ug/l  
RT: 9.65 min Scan# 1270  
Delta R.T. 0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 83      | 100   | 64352 |       |       |
| 85      | 64.6  |       | 47.6  | 71.4  |
| 127     | 9.3   |       | 6.7   | 10.1  |

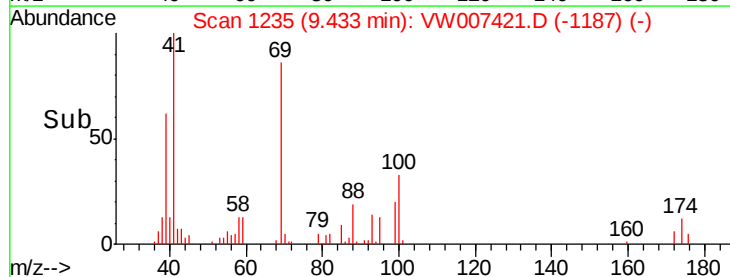
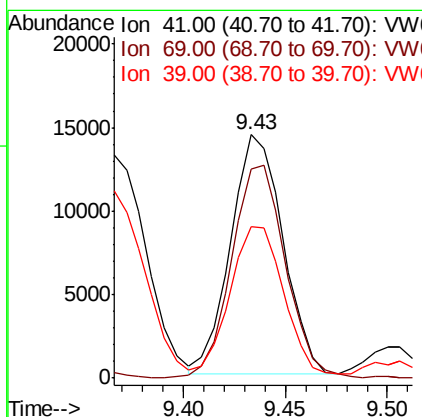
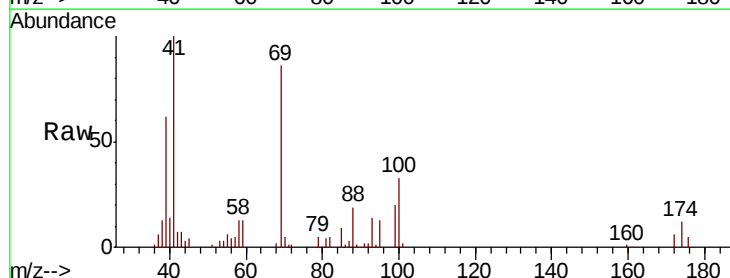
Manual Integrations  
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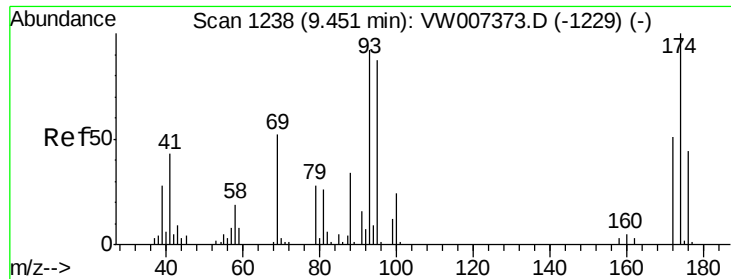
MMDadoda  
12/12/2018 2:42:30 PM



#48  
Methyl methacrylate  
Concen: 54.463 ug/l  
RT: 9.43 min Scan# 1235  
Delta R.T. -0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 25288 |       |       |
| 69      | 92.7  |       | 69.8  | 104.8 |
| 39      | 67.0  |       | 50.9  | 76.3  |





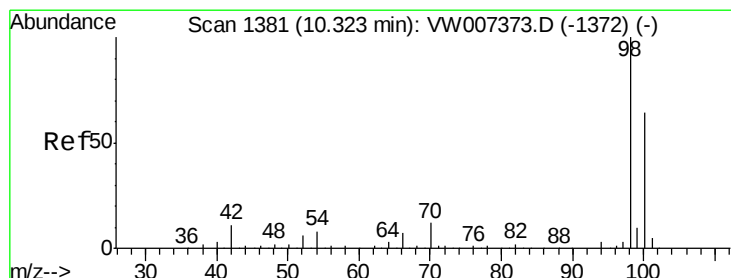
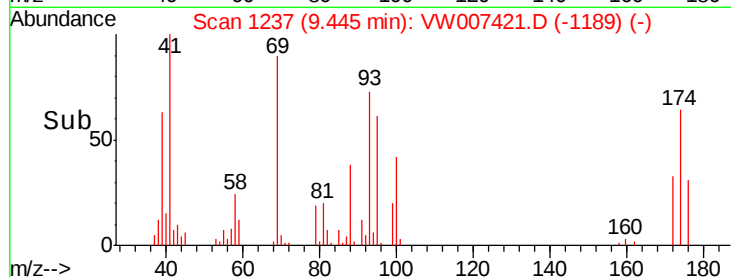
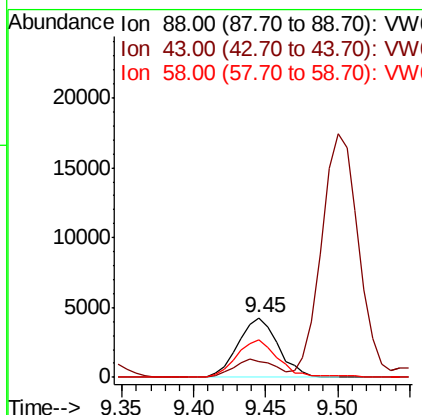
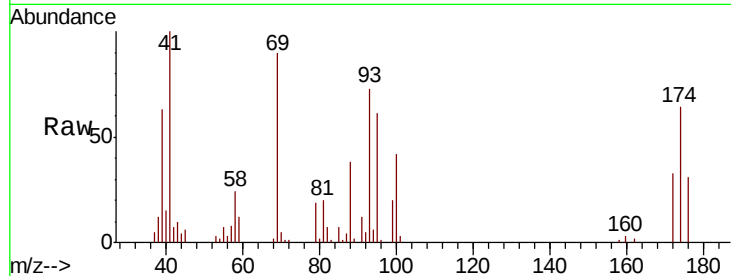
#49  
1,4-Dioxane  
Concen: 1122.388 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. -0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 31.0  | 25.0  | 37.4  |
| 58      | 66.8  | 51.4  | 77.2  |

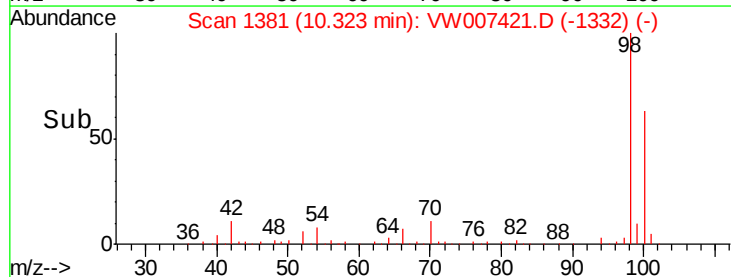
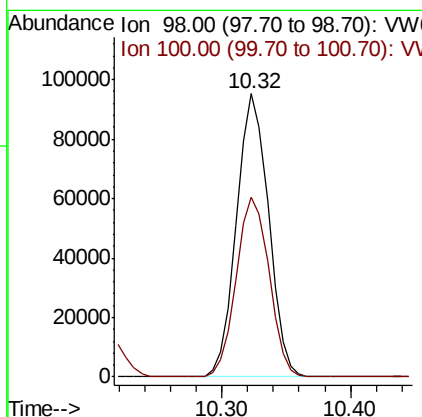
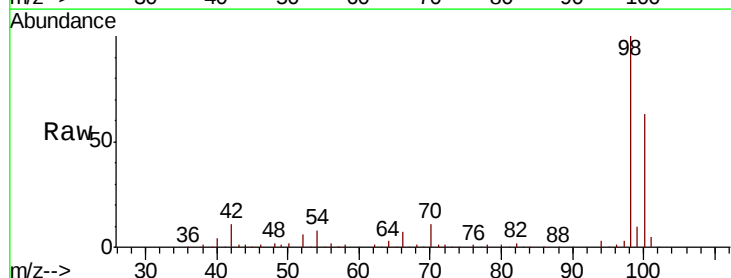
Manual Integrations  
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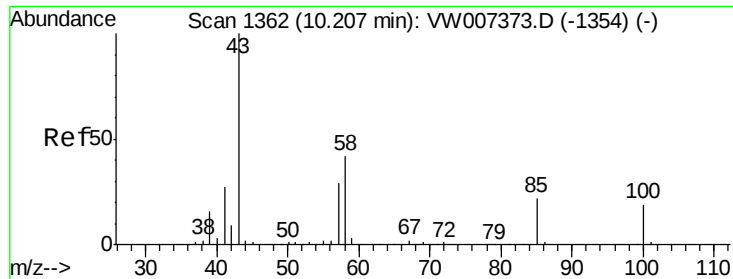
MMDadoda  
12/12/2018 2:42:30 PM



#50  
Toluene-d8  
Concen: 53.696 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.2  | 51.8  | 77.8  |





#51

4-Methyl-2-Pentanone

Concen: 288.064 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

ClientSampleId :

S32-0632MS

Tot Ion: 43 Resp: 123053

Ion Ratio Lower Upper

43 100

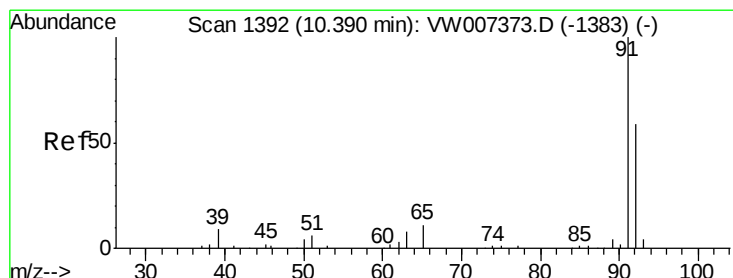
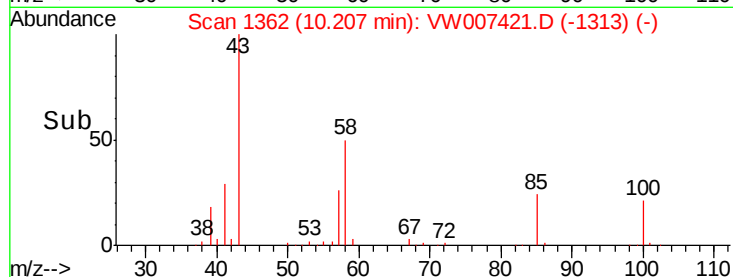
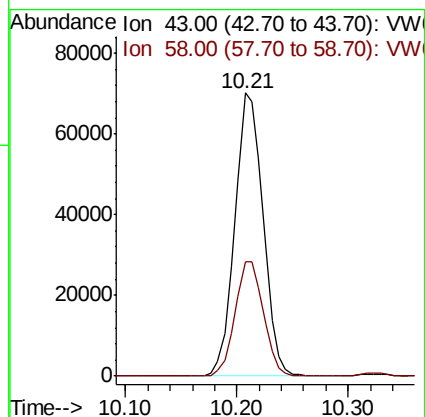
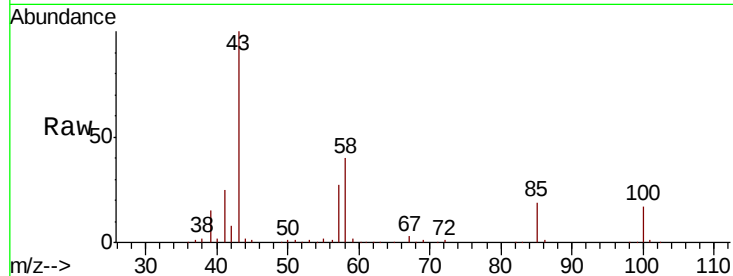
58 40.7 33.1 49.7

Manual Integrations

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12/12/2018 2:42:30 PM



#52

Toluene

Concen: 54.535 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007421.D

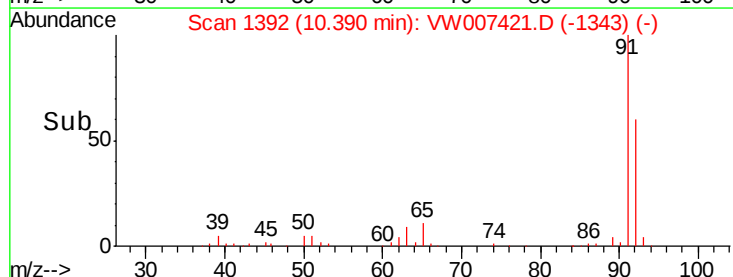
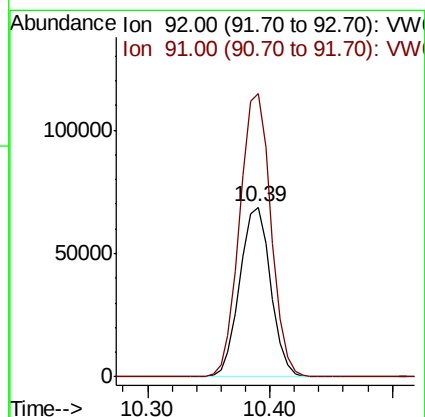
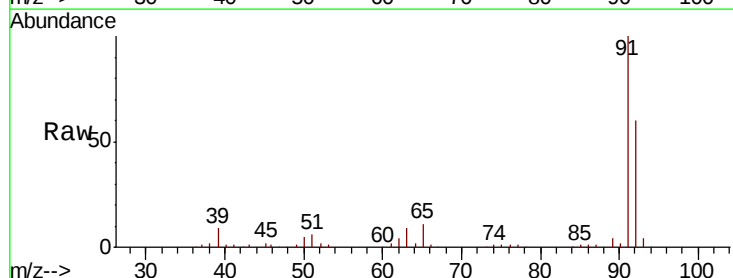
Acq: 12 Dec 2018 04:22

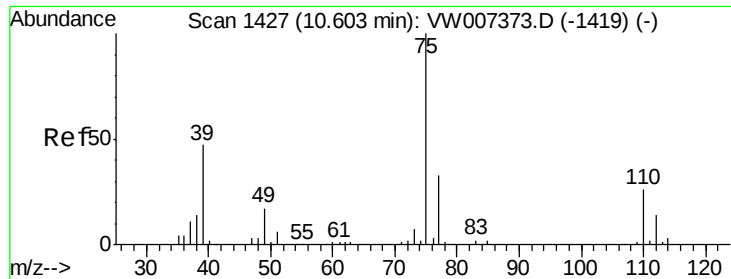
Tgt Ion: 92 Resp: 120523

Ion Ratio Lower Upper

92 100

91 169.1 136.2 204.2





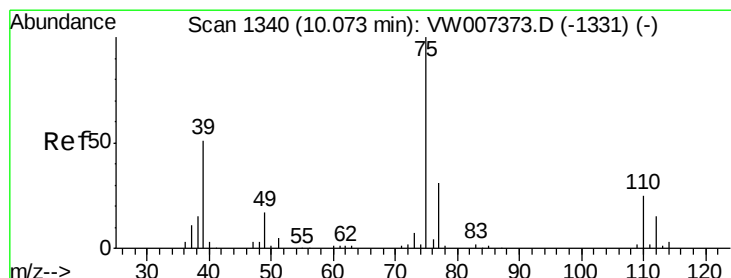
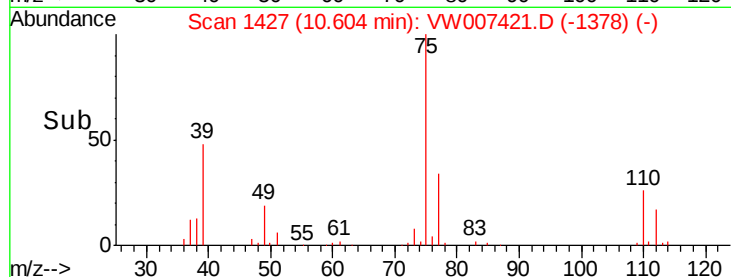
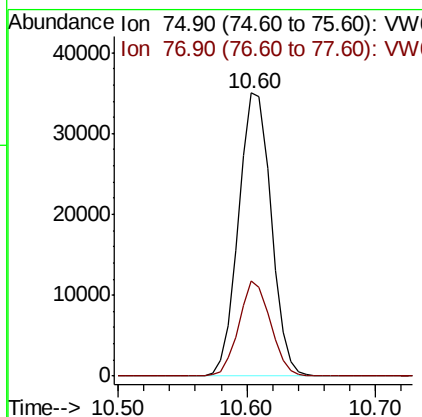
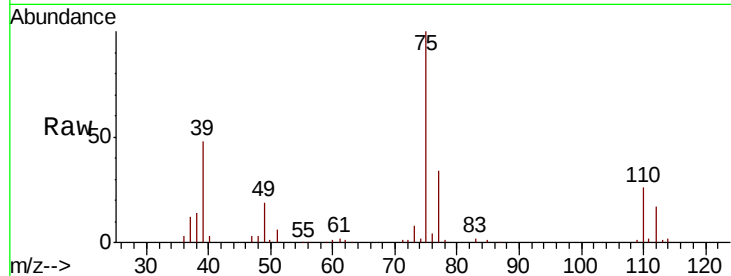
#53  
 t-1,3-Dichloropropene  
 Concen: 53.678 ug/l  
 RT: 10.60 min Scan# 1427  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

Tot Ion: 75 Resp: 61344  
 Ion Ratio Lower Upper  
 75 100  
 77 33.5 26.2 39.4

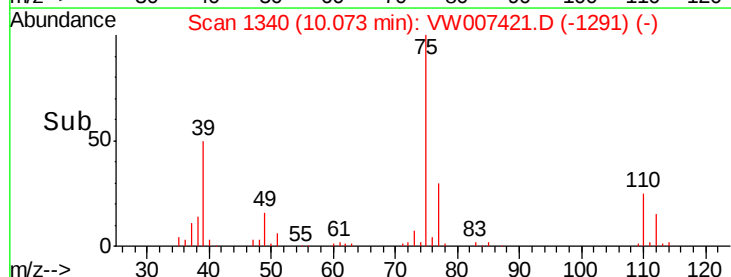
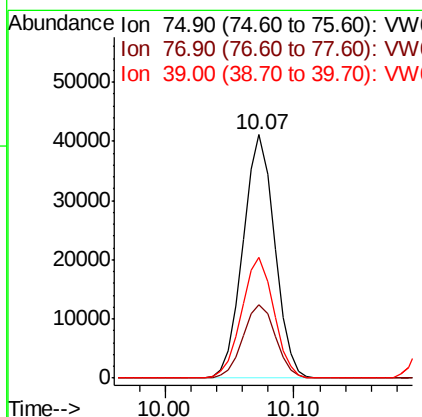
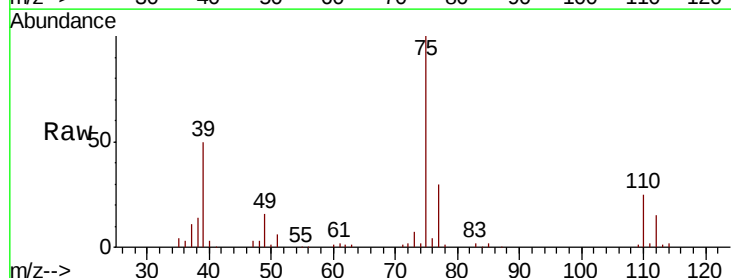
Manual Integrations  
 APPROVED

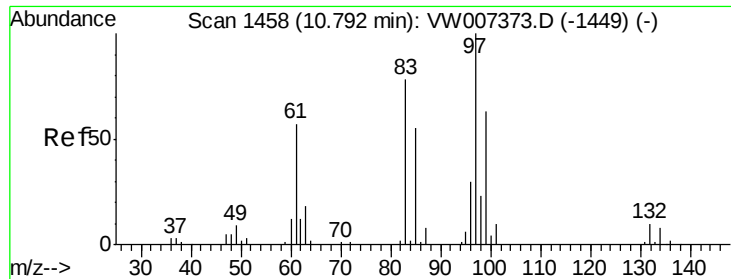
MMDadoda  
 12/12/2018 2:42:30 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.906 ug/l  
 RT: 10.07 min Scan# 1340  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Tgt Ion: 75 Resp: 69895  
 Ion Ratio Lower Upper  
 75 100  
 77 30.0 24.8 37.2  
 39 49.6 40.9 61.3





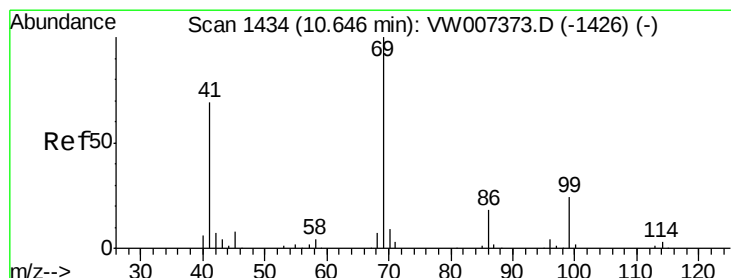
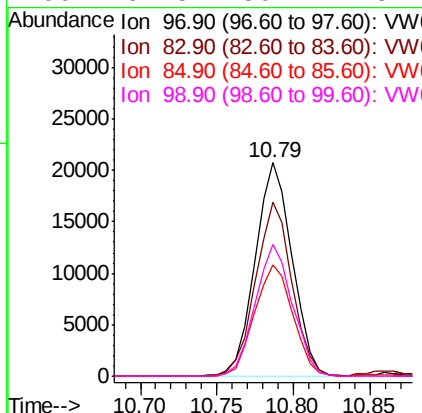
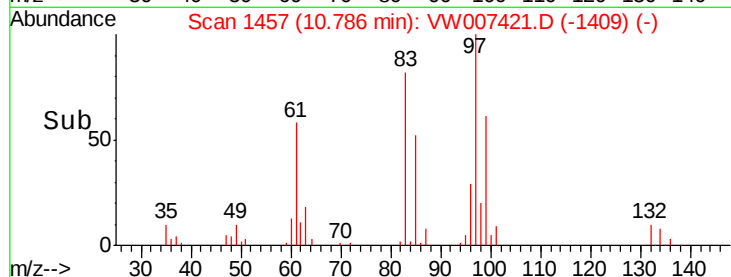
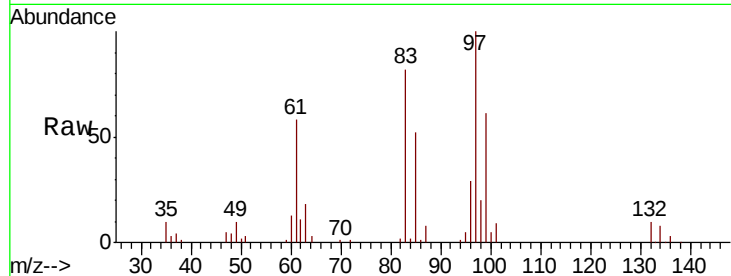
#55  
 1,1,2-Trichloroethane  
 Concen: 57.126 ug/l  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.01 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 34892 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 81.6  | 62.1  | 93.1  |
| 85       | 52.1  | 44.2  | 66.4  |
| 99       | 61.5  | 50.2  | 75.4  |

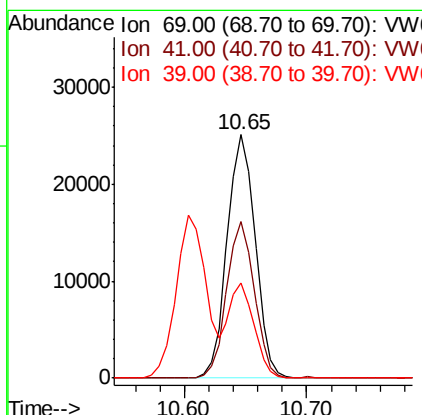
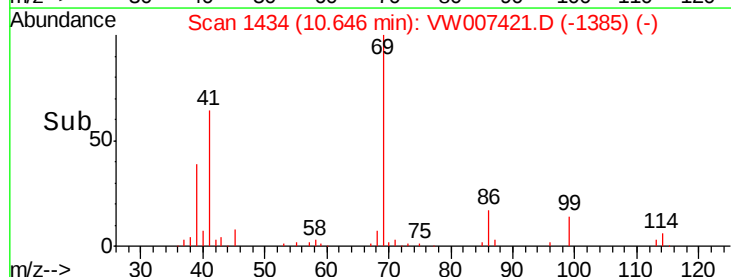
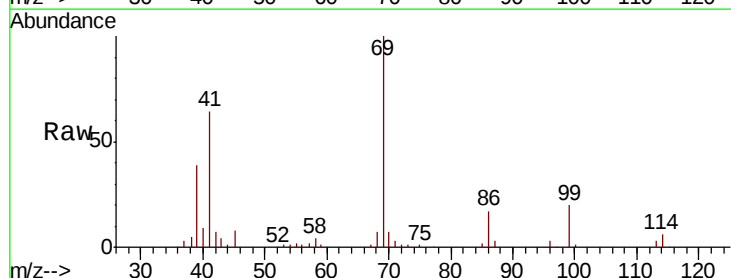
Manual Integrations  
 APPROVED

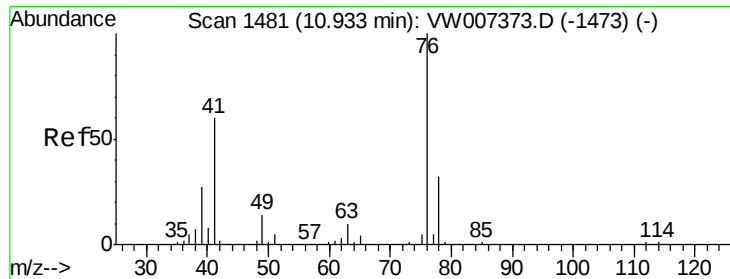
MMDadoda  
 12/12/2018 2:42:30 PM



#56  
 Ethyl methacrylate  
 Concen: 54.354 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 39904 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 63.8  | 51.0  | 76.6  |
| 39       | 36.0  | 30.8  | 46.2  |





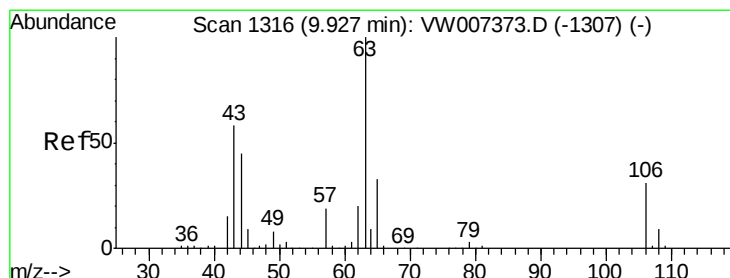
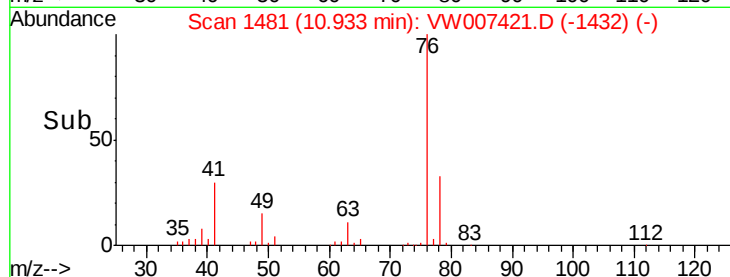
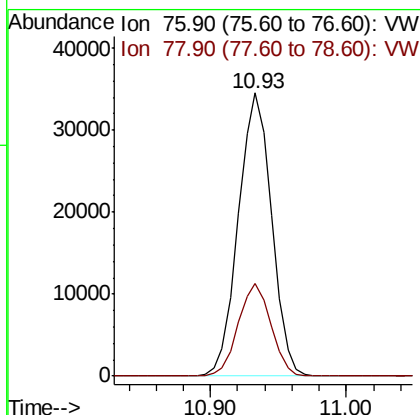
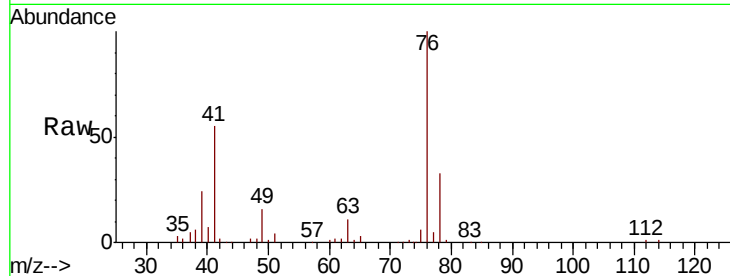
#57  
 1,3-Dichloropropane  
 Concen: 58.698 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

Tot Ion: 76 Resp: 58846  
 Ion Ratio Lower Upper  
 76 100  
 78 32.2 26.2 39.4

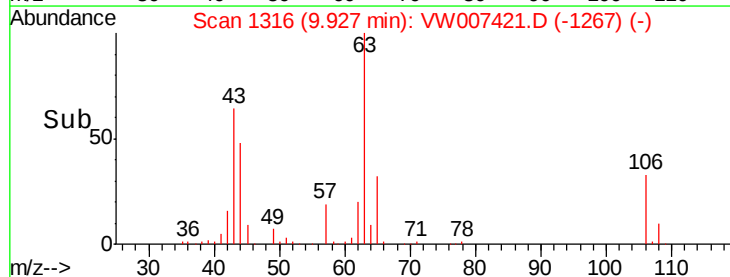
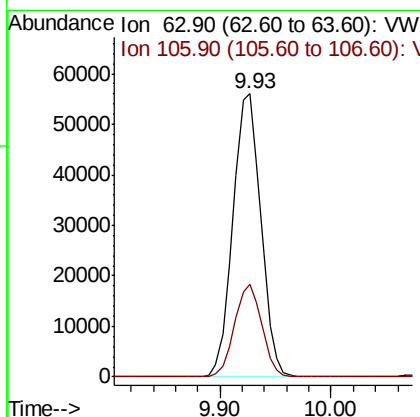
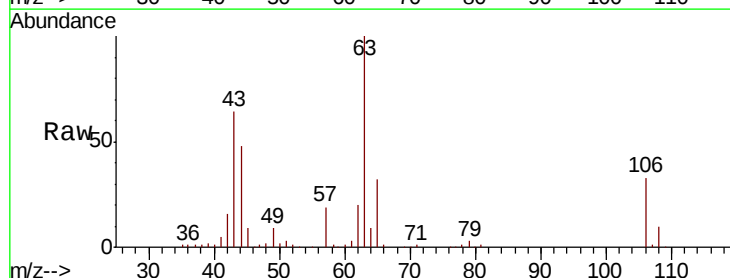
Manual Integrations  
 APPROVED

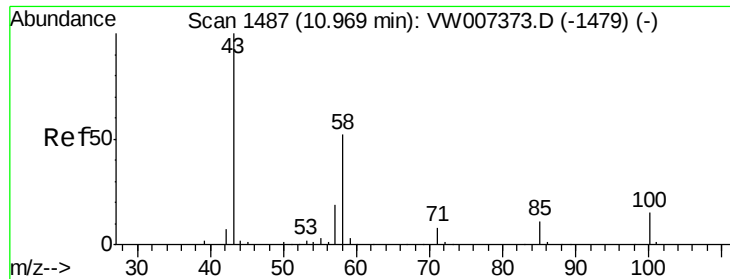
MMDadoda  
 12/12/2018 2:42:30 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 287.389 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Tgt Ion: 63 Resp: 97296  
 Ion Ratio Lower Upper  
 63 100  
 106 31.8 25.0 37.6





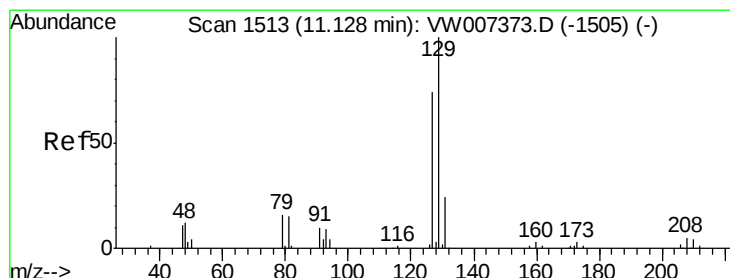
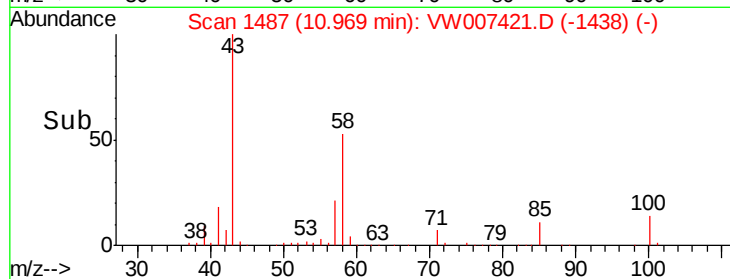
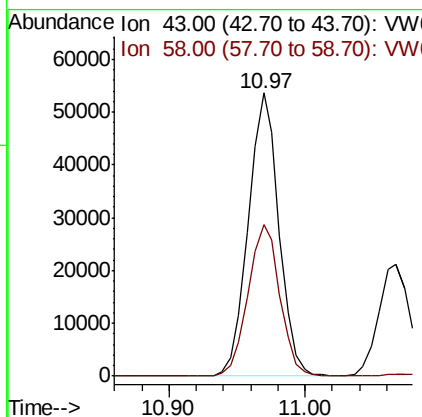
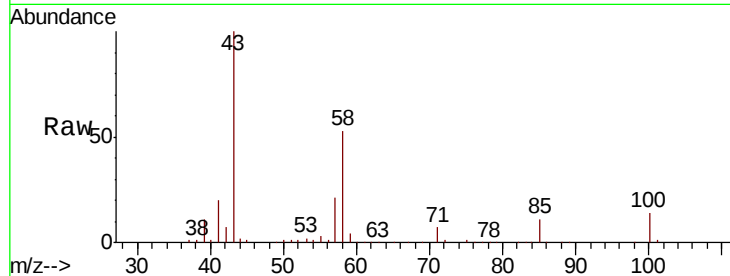
#59  
2-Hexanone  
Concen: 297.168 ug/l  
RT: 10.97 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

Tot Ion: 43 Resp: 84645  
Ion Ratio Lower Upper  
43 100  
58 55.6 27.1 81.3

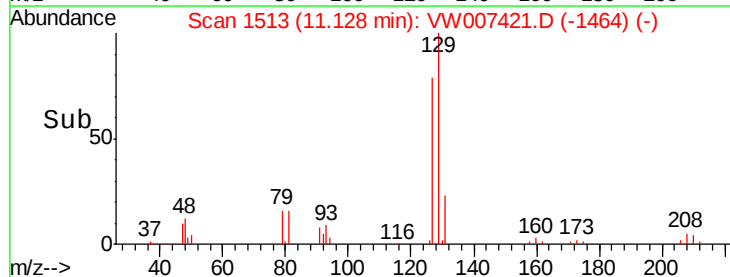
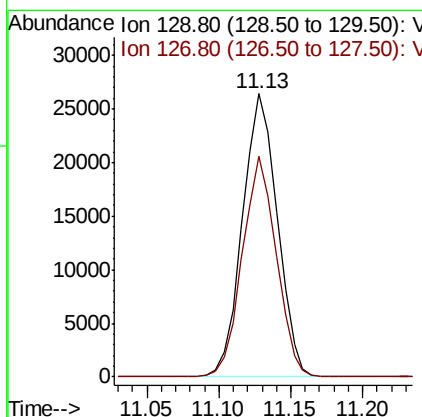
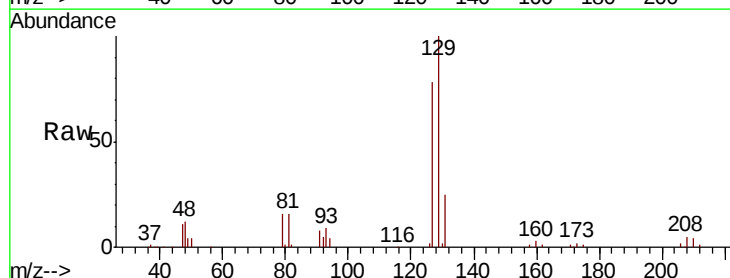
Manual Integrations  
APPROVED

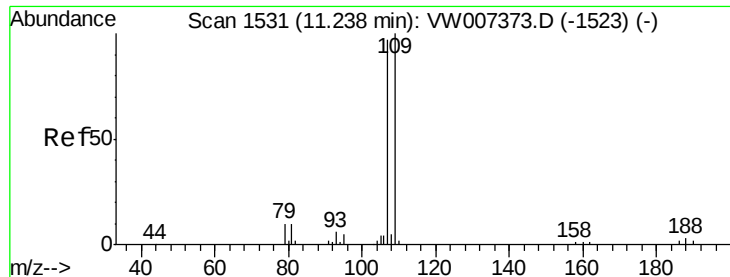
MMDadoda  
12/12/2018 2:42:30 PM



#60  
Dibromochloromethane  
Concen: 57.517 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Tgt Ion: 129 Resp: 44335  
Ion Ratio Lower Upper  
129 100  
127 75.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 56.739 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

ClientSampleId :

S32-0632MS

Tot Ion:107 Resp: 34248

Ion Ratio Lower Upper

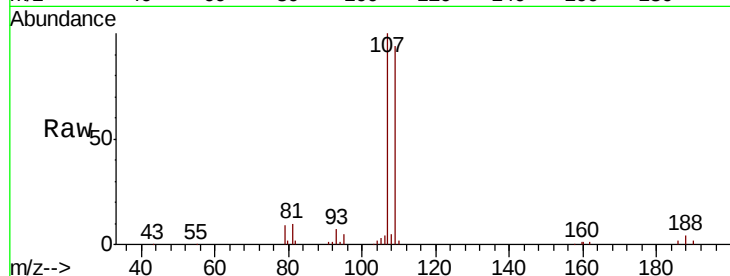
107 100

109 96.2 79.1 118.7

Manual Integrations  
APPROVED

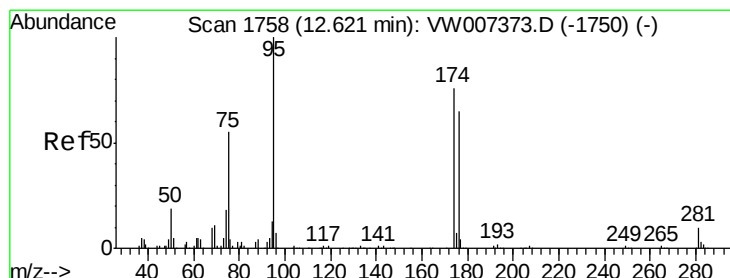
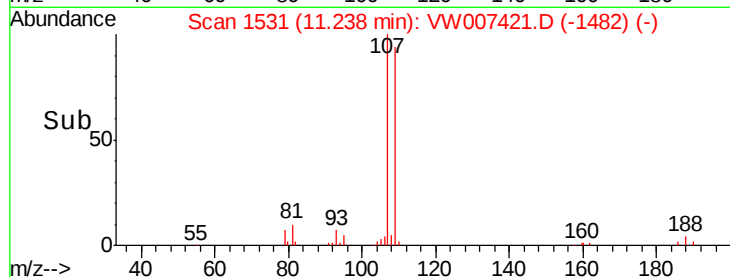
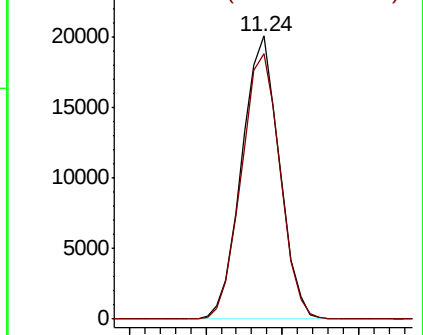
MMDadoda

12/12/2018 2:42:30 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.136 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

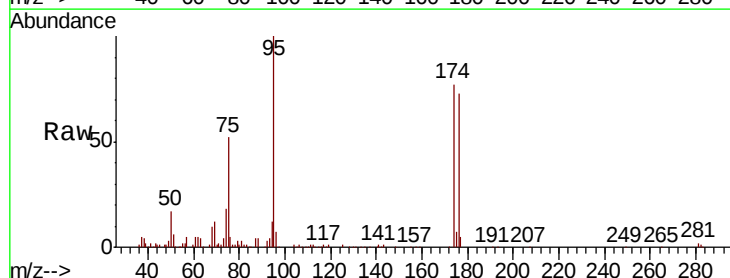
Tgt Ion: 95 Resp: 62066

Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.2

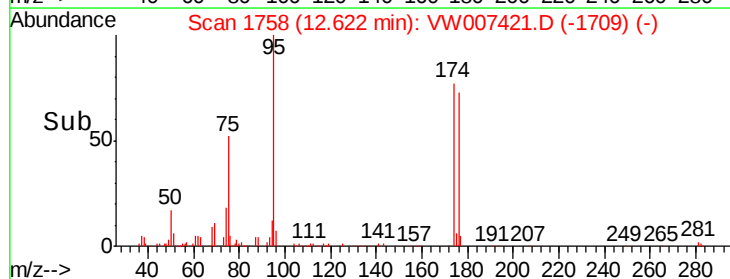
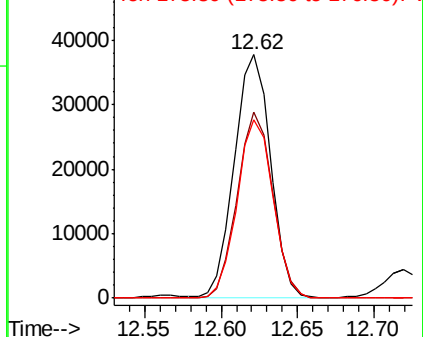
176 73.0 0.0 138.8

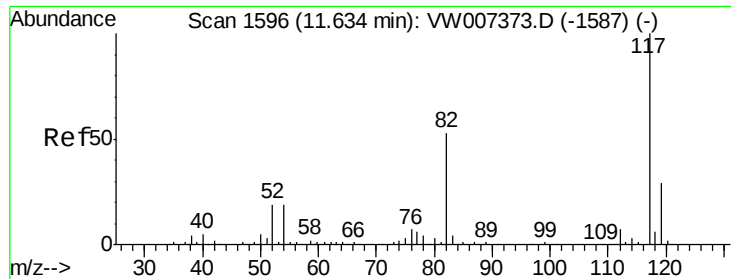


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





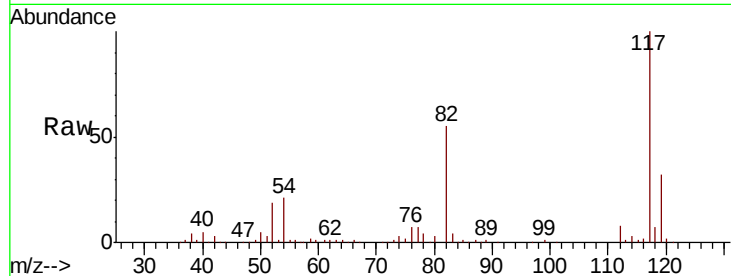
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.5  | 42.3  | 63.5  |
| 119     | 32.2  | 23.0  | 34.6  |

Manual Integrations  
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12/12/2018 2:42:30 PM

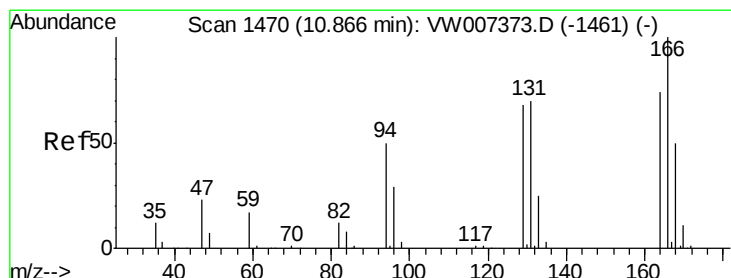
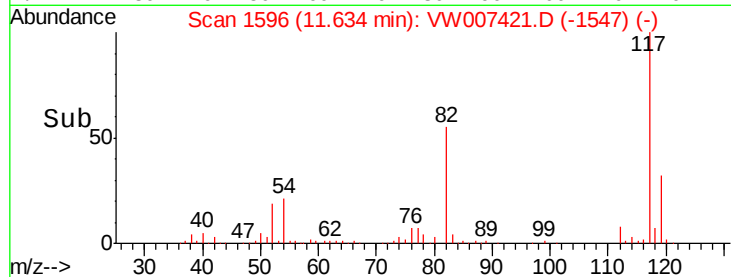
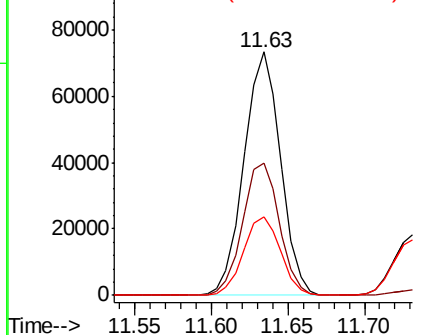


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 48.130 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.9 | 107.9 | 161.9 |
| 129     | 96.6  | 73.4  | 110.2 |
| 131     | 91.1  | 75.8  | 113.6 |

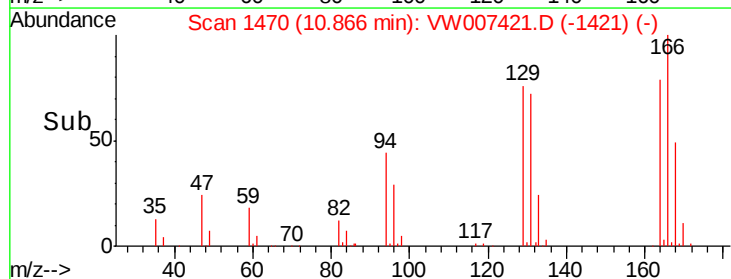
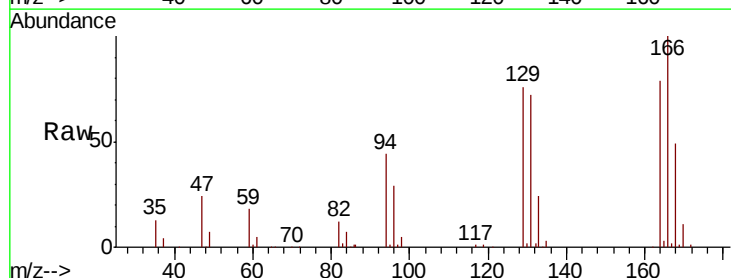
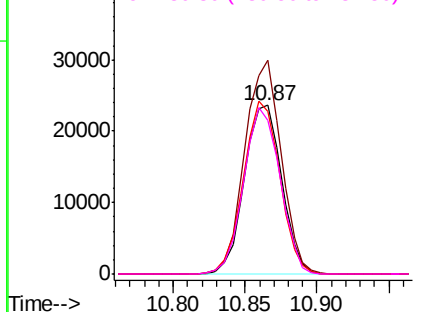
Abundance

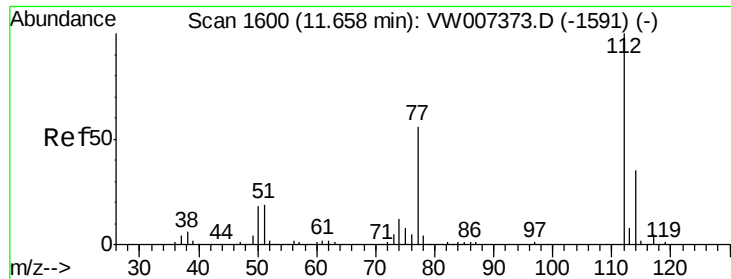
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





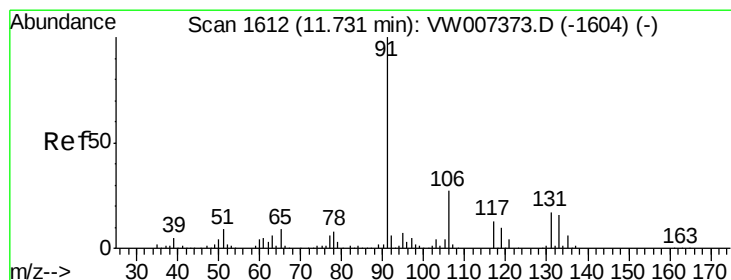
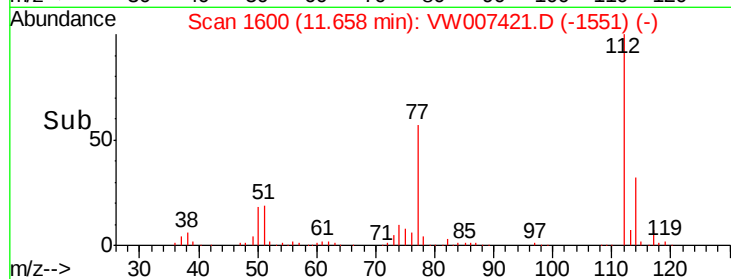
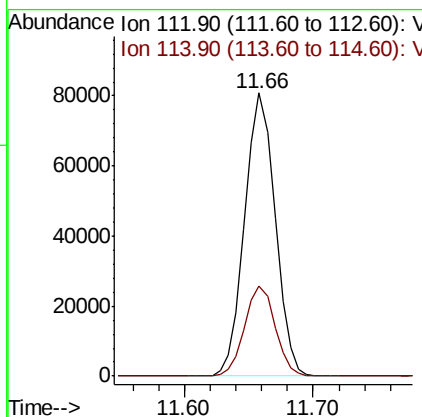
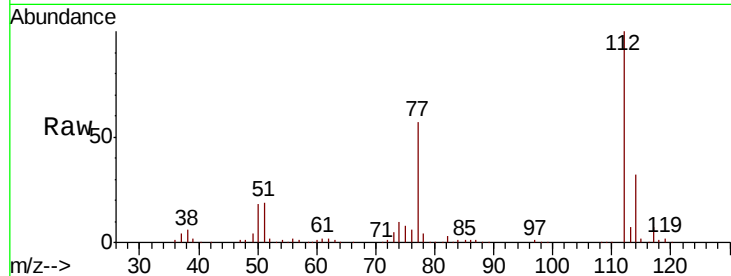
#65  
Chlorobenzene  
Concen: 52.159 ug/l  
RT: 11.66 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

Tot Ion:112 Resp: 132325  
Ion Ratio Lower Upper  
112 100  
114 32.1 27.8 41.8

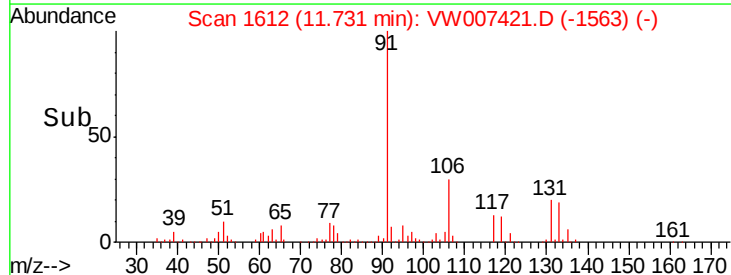
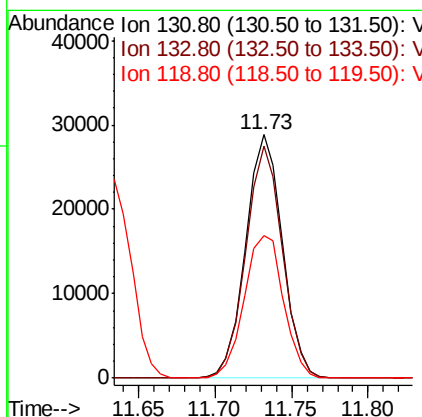
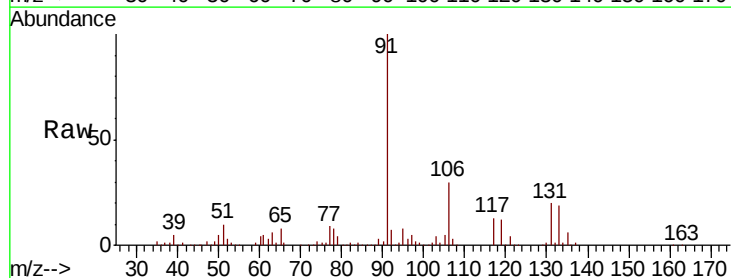
Manual Integrations  
APPROVED

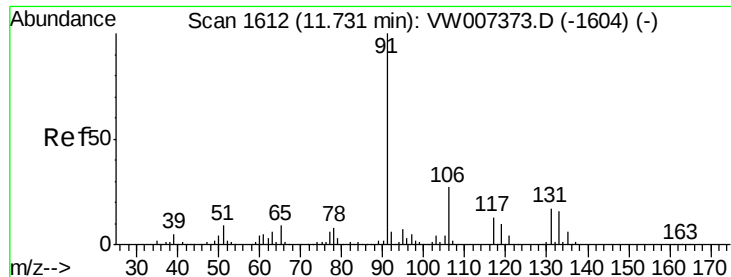
MMDadoda  
12/12/2018 2:42:30 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.943 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Tgt Ion:131 Resp: 48199  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.1 141.4  
119 62.5 31.3 93.9





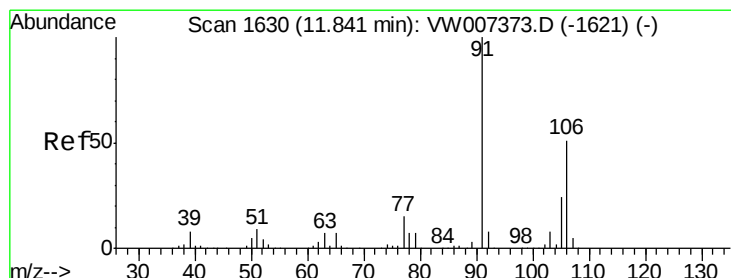
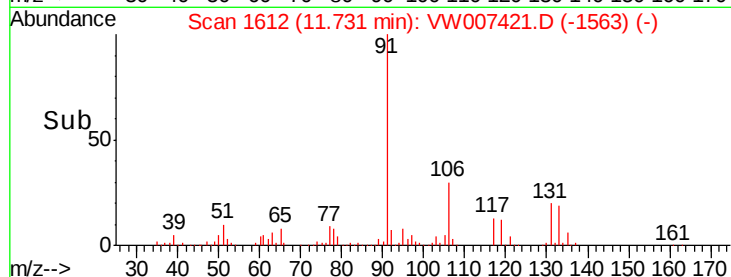
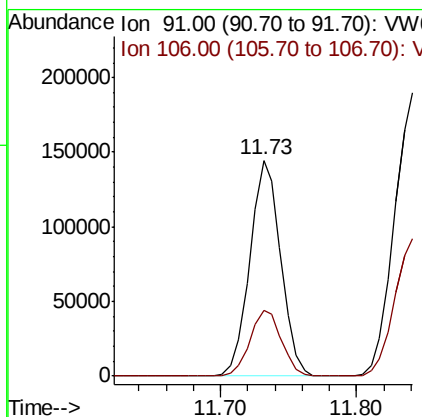
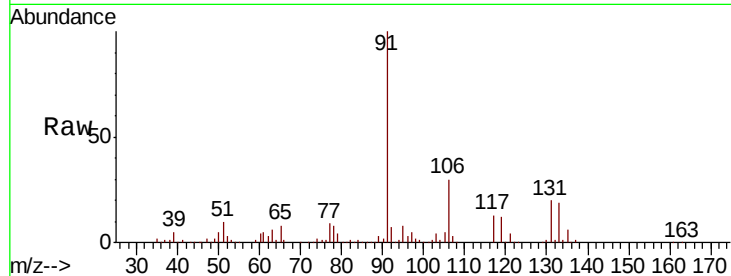
#67  
Ethyl Benzene  
Concen: 52.664 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampled :  
S32-0632MS

Tot Ion: 91 Resp: 229708  
Ion Ratio Lower Upper  
91 100  
106 30.4 21.8 32.8

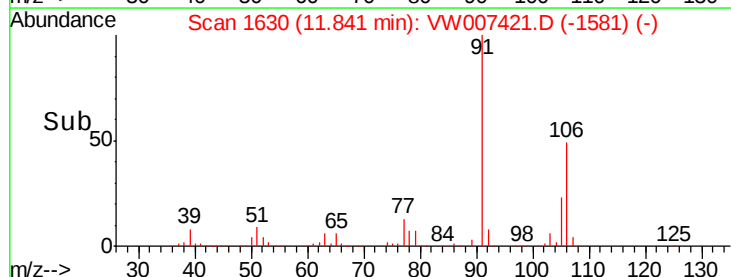
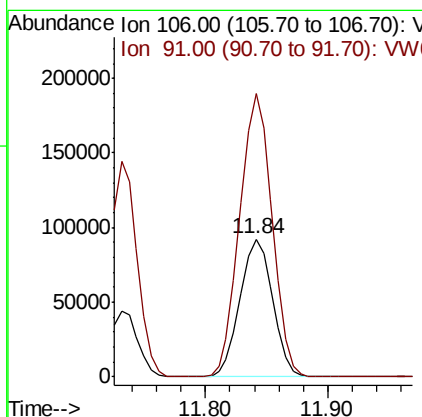
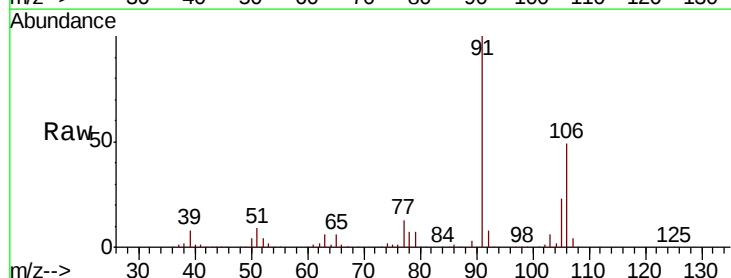
Manual Integrations  
APPROVED

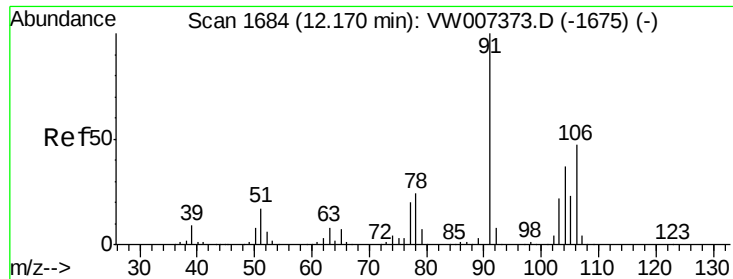
MMDadoda  
12/12/2018 2:42:30 PM



#68  
m/p-Xylenes  
Concen: 101.152 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Tgt Ion: 106 Resp: 171520  
Ion Ratio Lower Upper  
106 100  
91 203.9 165.3 247.9





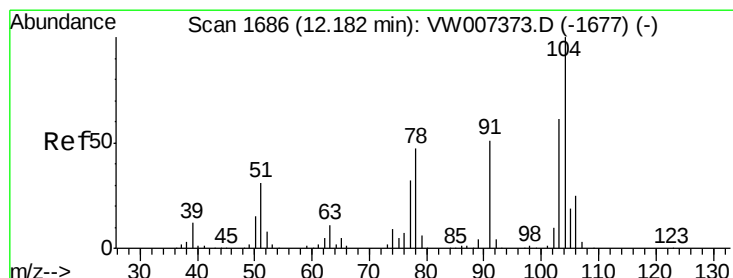
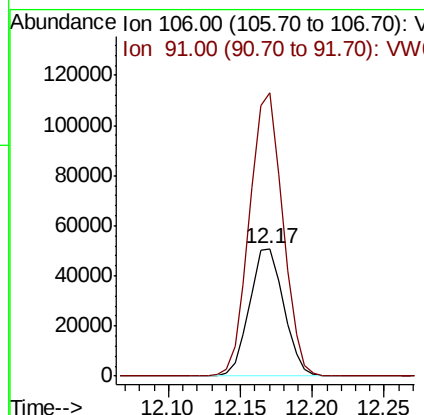
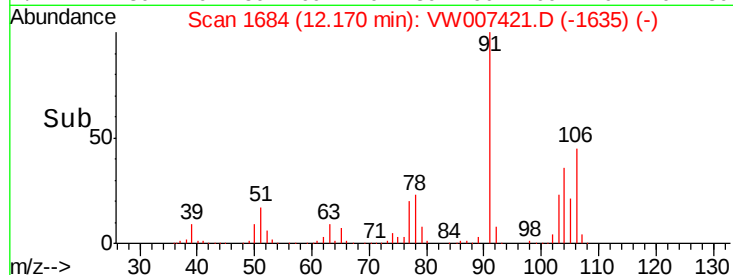
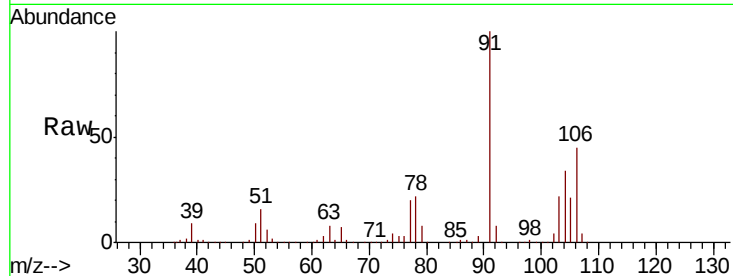
#69  
o-Xylene  
Concen: 52.710 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

Tot Ion:106 Resp: 83473  
Ion Ratio Lower Upper  
106 100  
91 216.2 106.6 319.8

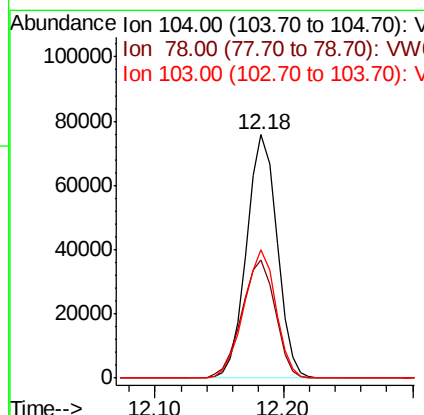
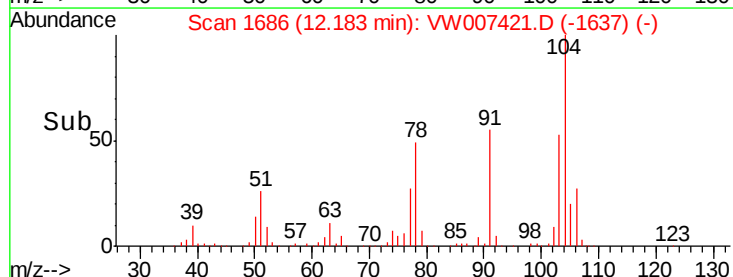
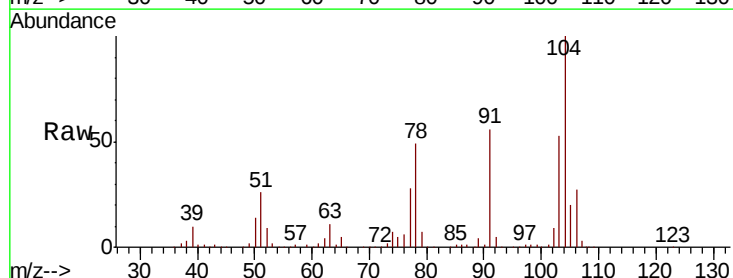
Manual Integrations  
APPROVED

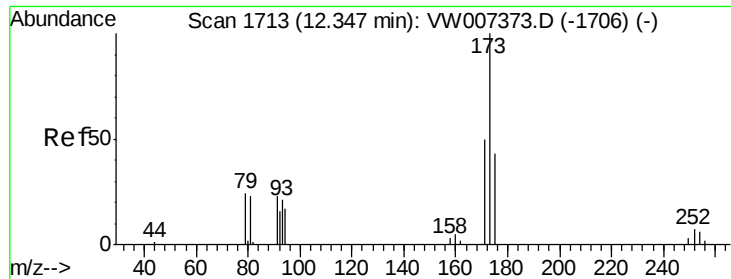
MMDadoda  
12/12/2018 2:42:30 PM



#70  
Styrene  
Concen: 48.347 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Tgt Ion:104 Resp: 123667  
Ion Ratio Lower Upper  
104 100  
78 53.4 41.8 62.8  
103 55.4 46.6 69.8





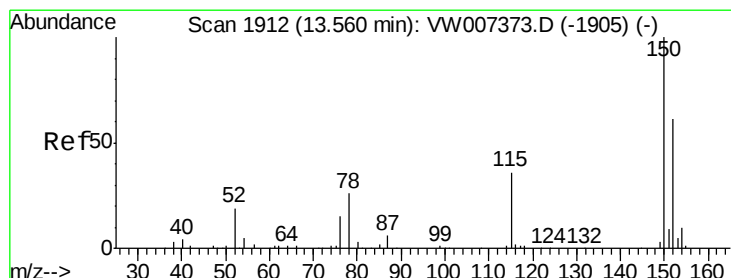
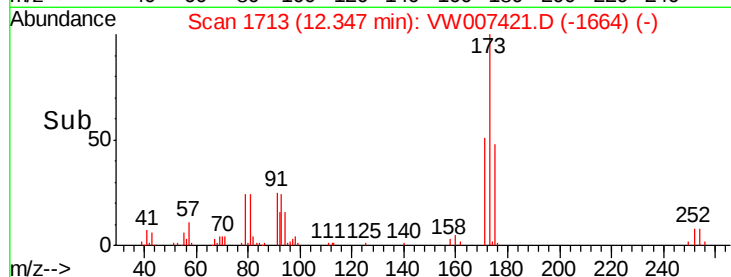
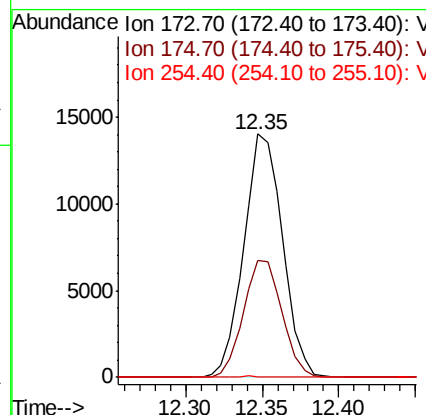
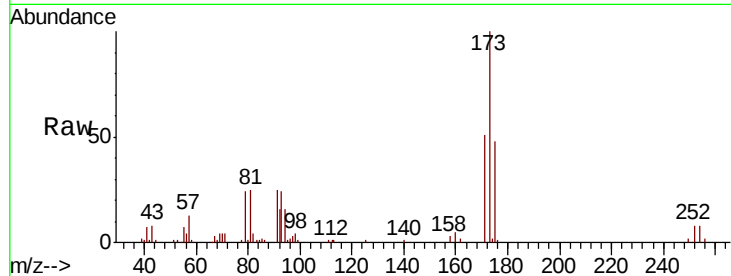
#71  
Bromoform  
Concen: 54.012 ug/l  
RT: 12.35 min Scan# 1713  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.8  | 23.6  | 70.8  |
| 254     | 0.1   | 0.0   | 0.0   |

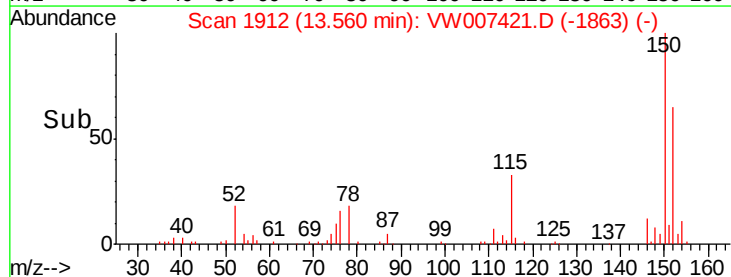
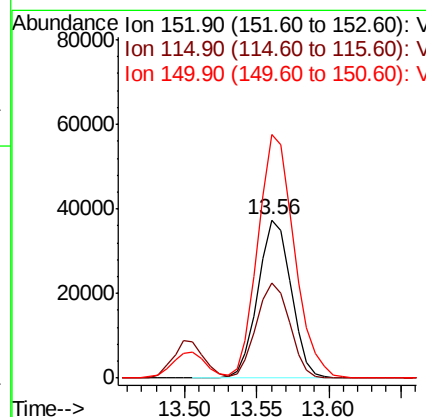
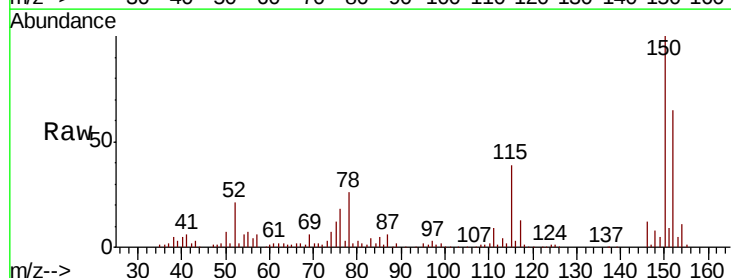
Manual Integrations  
APPROVED

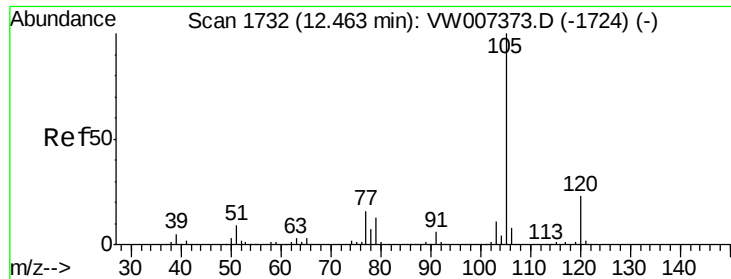
MMDadoda  
12/12/2018 2:42:30 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.5  | 31.4  | 94.2  |
| 150     | 168.5 | 0.0   | 358.4 |





#73

Isopropylbenzene

Concen: 48.384 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

ClientSampleId :

S32-0632MS

Tot Ion: 105 Resp: 221169

Ion Ratio Lower Upper

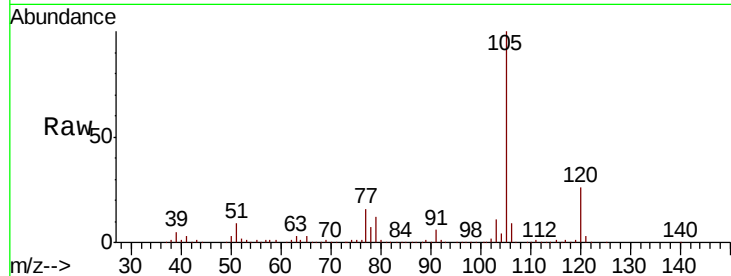
105 100

120 26.0 12.8 38.4

Manual Integrations  
APPROVED

MMDadoda

12/12/2018 2:42:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

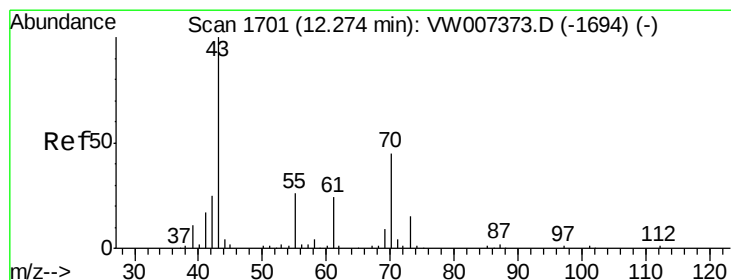
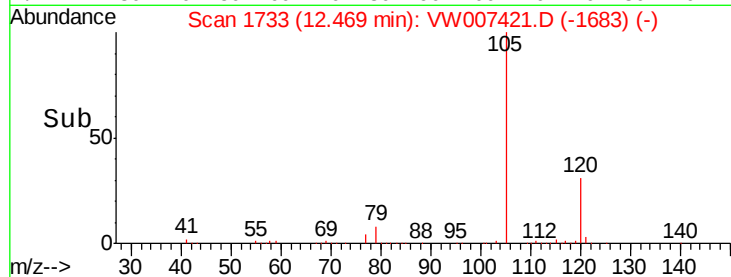
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 47.790 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Tgt Ion: 43 Resp: 39702

Ion Ratio Lower Upper

43 100

70 45.6 36.5 54.7

55 27.4 20.1 30.1

61 23.2 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

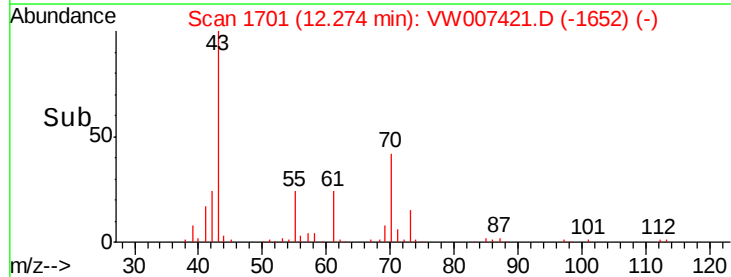
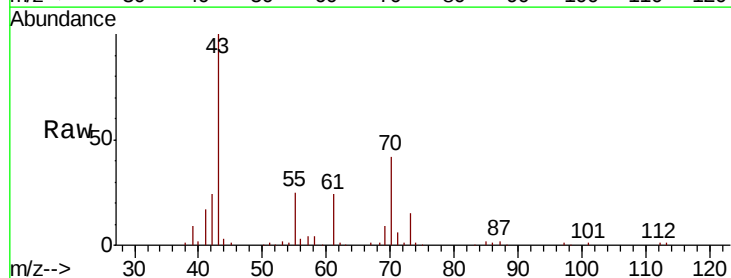
30000

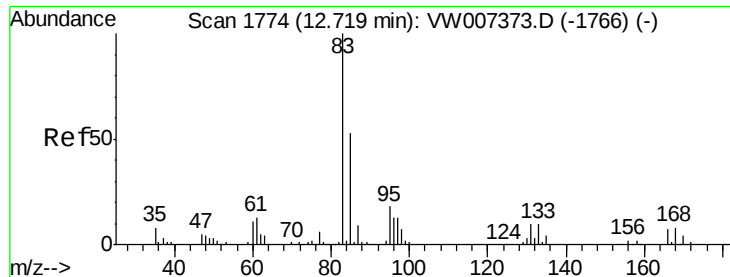
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 58.325 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

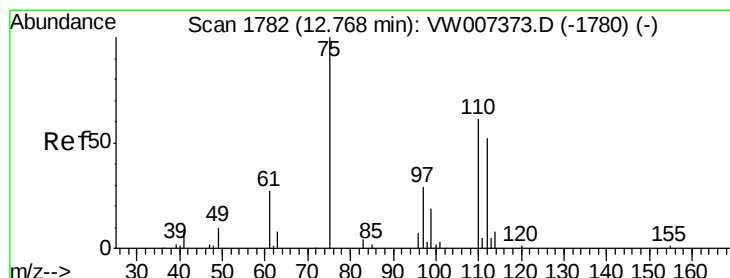
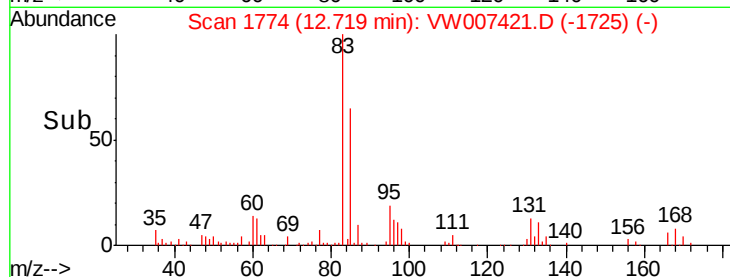
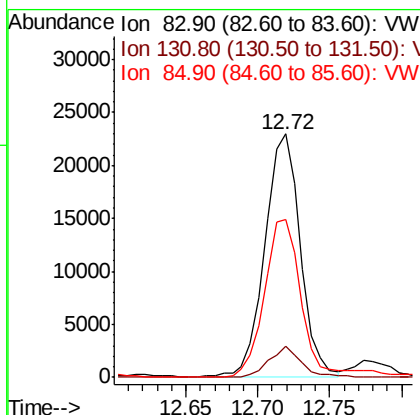
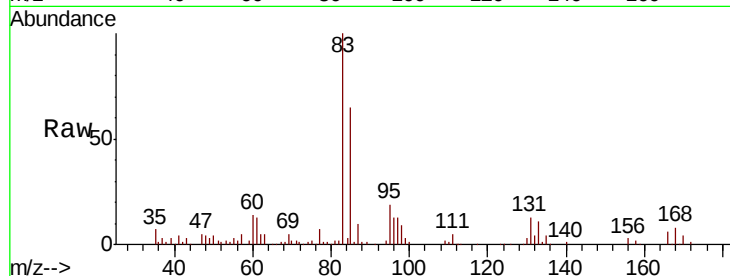
ClientSampleId :

S32-0632MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 39488 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.6  | 5.9   | 17.8  |
| 85        | 66.8  | 30.0  | 90.0  |

Manual Integrations  
APPROVED

MMDadoda  
12/12/2018 2:42:30 PM



#76

1,2,3-Trichloropropane

Concen: 58.462 ug/l m

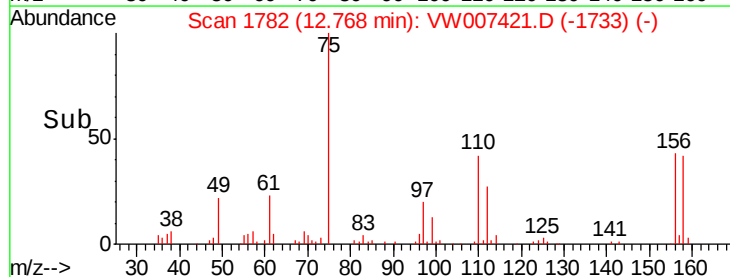
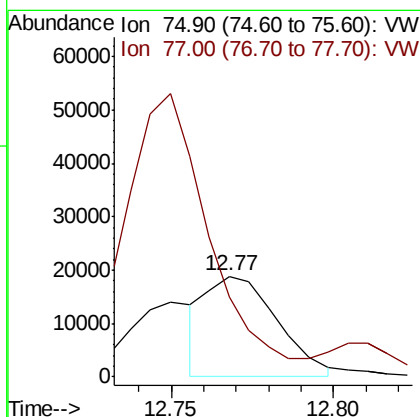
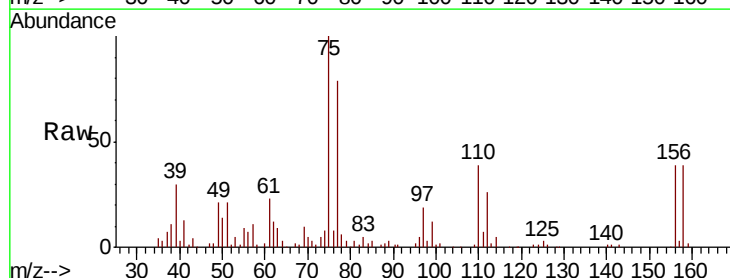
RT: 12.77 min Scan# 1782

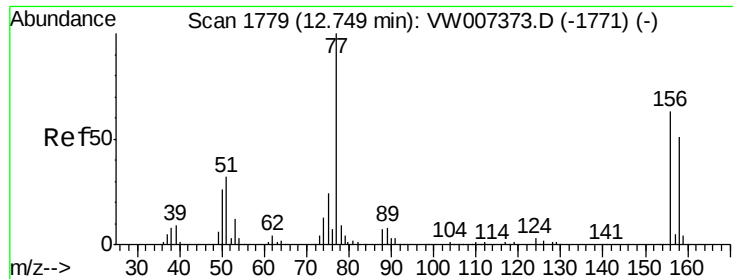
Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 28757 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 335.1 | 166.9 | 500.8 |





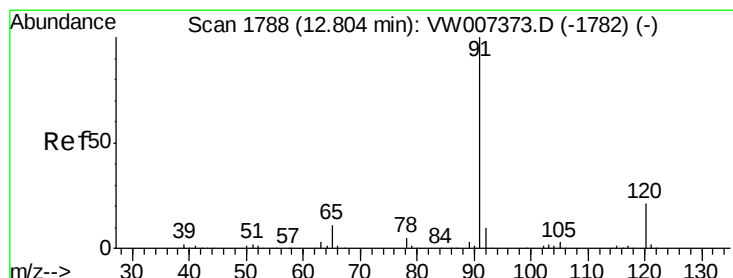
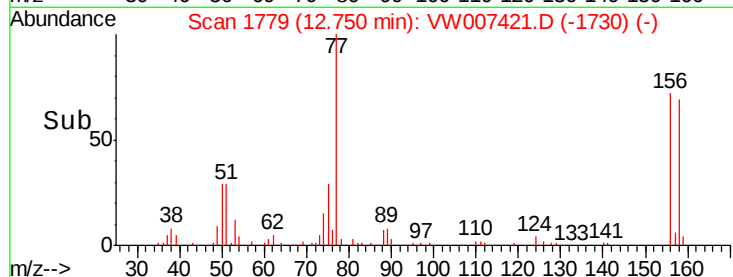
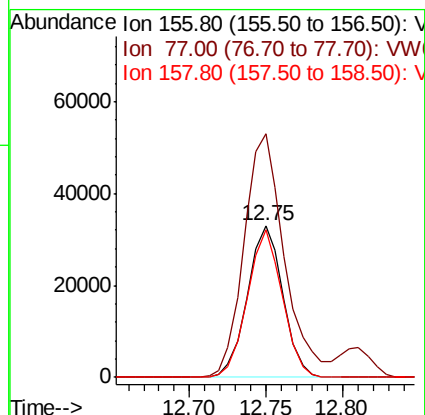
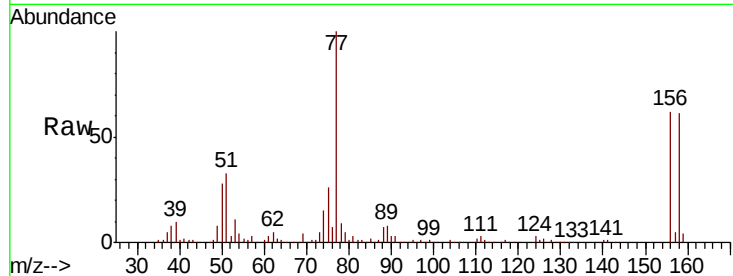
#77  
Bromobenzene  
Concen: 52.247 ug/l  
RT: 12.75 min Scan# 1779  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 182.0 | 88.1  | 264.4 |
| 158     | 95.5  | 45.6  | 136.7 |

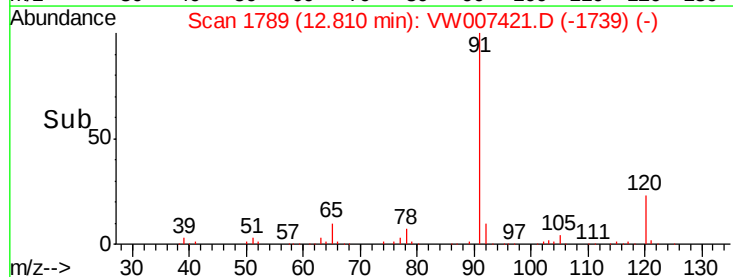
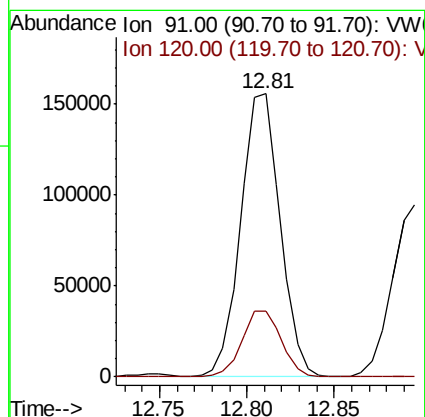
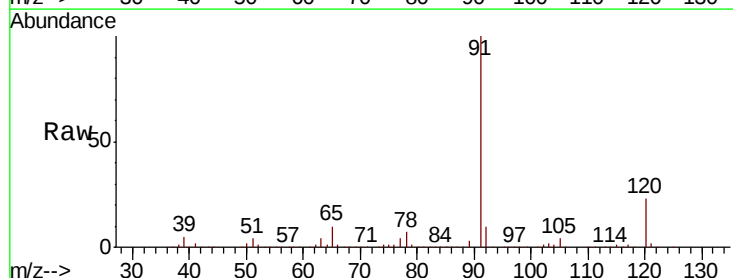
Manual Integrations  
APPROVED

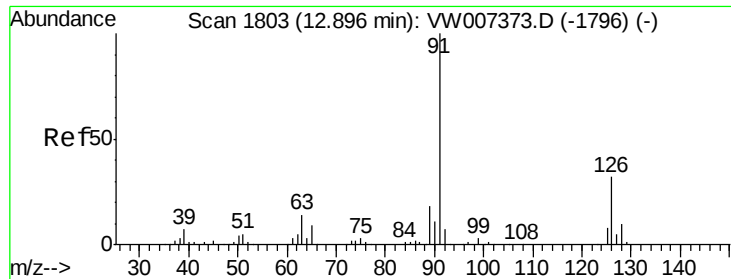
MMDadoda  
12/12/2018 2:42:30 PM



#78  
n-propylbenzene  
Concen: 47.423 ug/l  
RT: 12.81 min Scan# 1789  
Delta R.T. 0.01 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.4  | 11.9  | 35.5  |





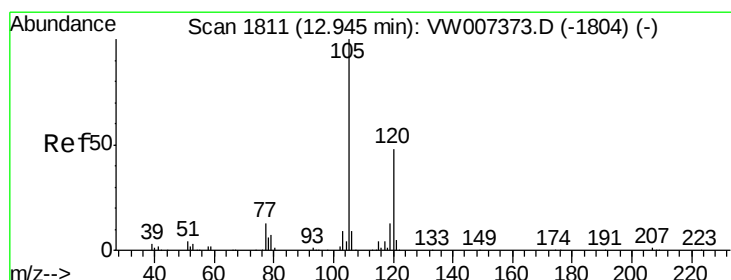
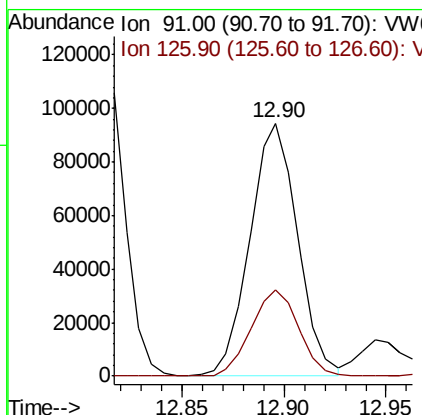
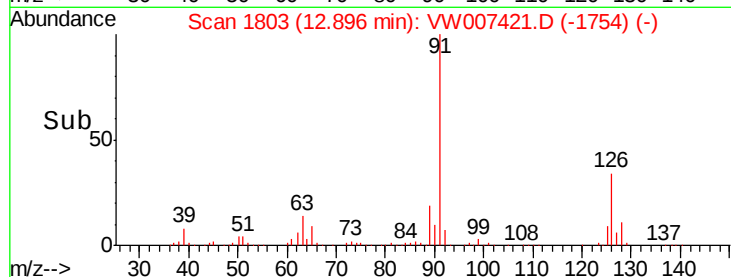
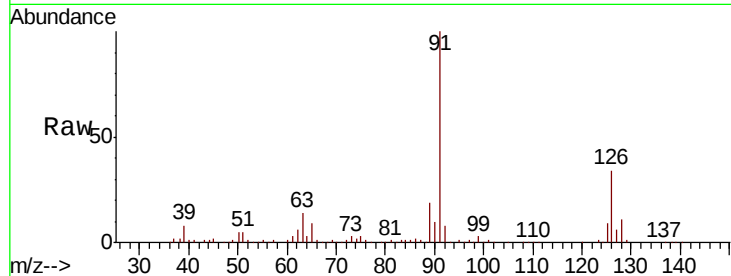
#79  
2-Chlorotoluene  
Concen: 49.143 ug/l  
RT: 12.90 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

Tot Ion: 91 Resp: 152972  
Ion Ratio Lower Upper  
91 100  
126 34.0 15.9 47.6

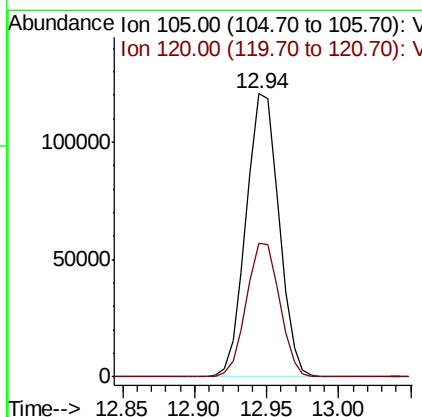
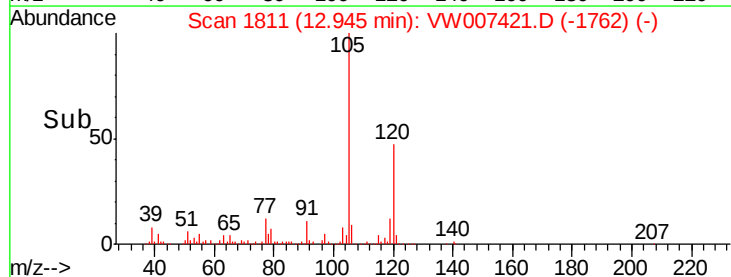
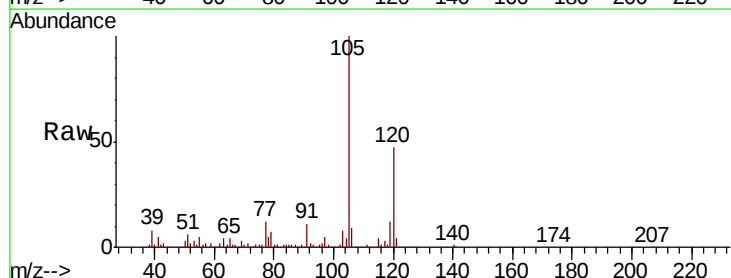
Manual Integrations  
APPROVED

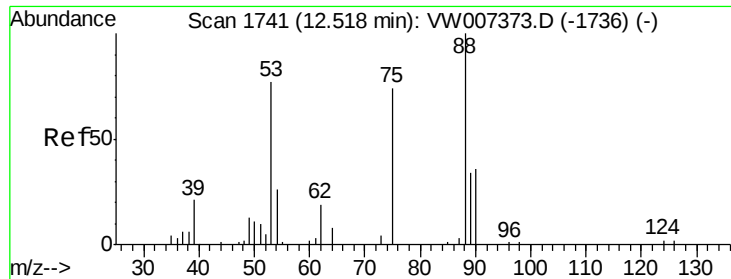
MMDadoda  
12/12/2018 2:42:30 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 49.669 ug/l  
RT: 12.94 min Scan# 1811  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Tgt Ion:105 Resp: 190773  
Ion Ratio Lower Upper  
105 100  
120 47.9 23.8 71.4





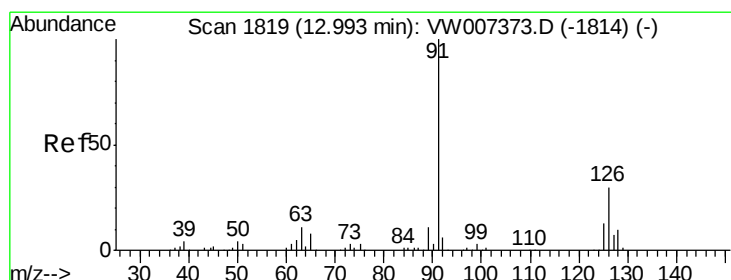
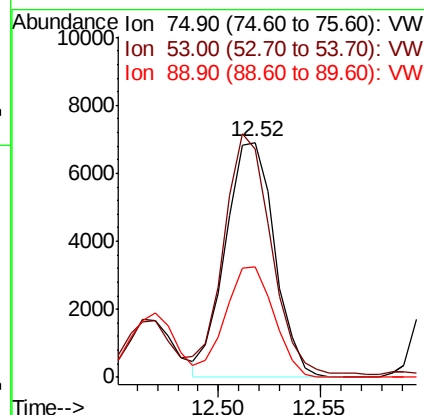
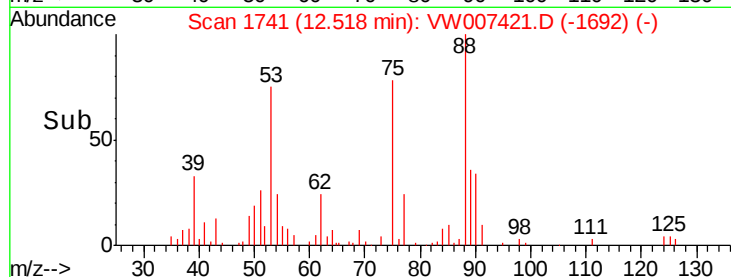
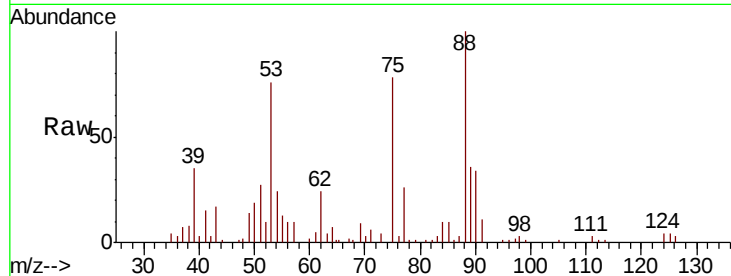
#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.726 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 99.4  | 84.9  | 127.3 |
| 89      | 46.7  | 40.3  | 60.5  |

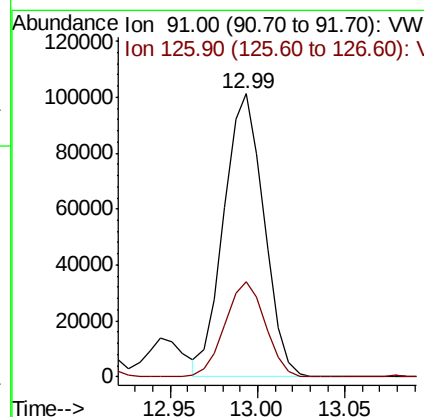
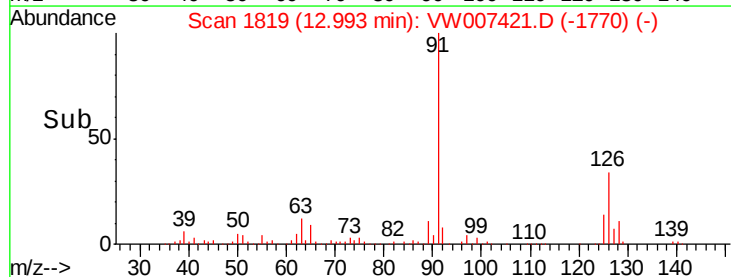
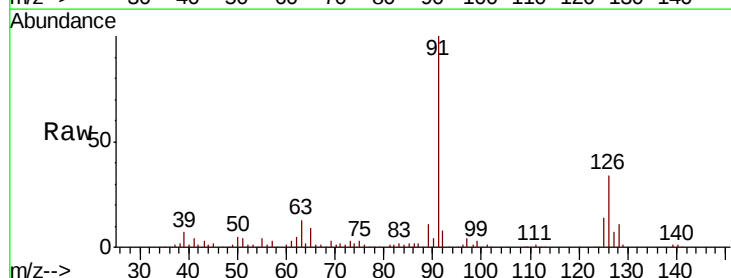
Manual Integrations  
APPROVED

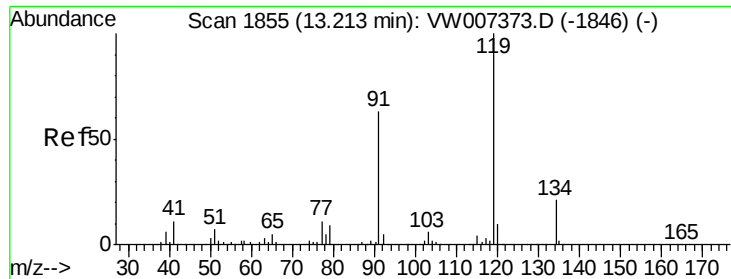
MMDadoda  
12/12/2018 2:42:30 PM



#82  
4-Chlorotoluene  
Concen: 48.974 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.1  | 16.0  | 48.0  |





#83

tert-Butylbenzene

Concen: 48.909 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

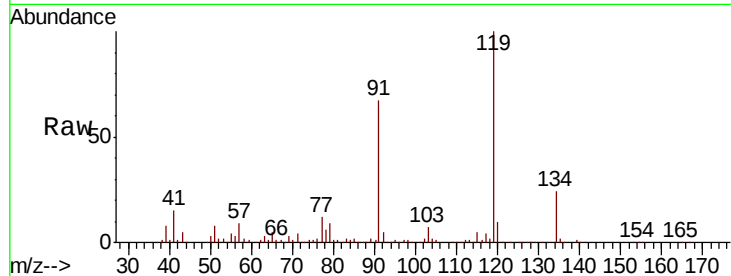
Instrument :  
MSVOA\_W

ClientSampled :  
S32-0632MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 165524 |       |       |
| 91      | 67.8  | 33.1   | 99.2  |       |
| 134     | 23.7  | 12.5   | 37.5  |       |

Manual Integrations  
APPROVED

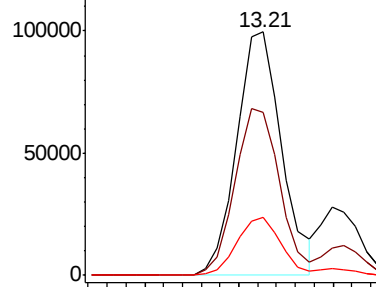
MMDadoda  
12/12/2018 2:42:30 PM



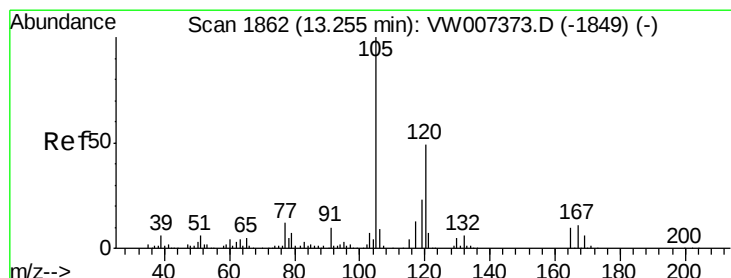
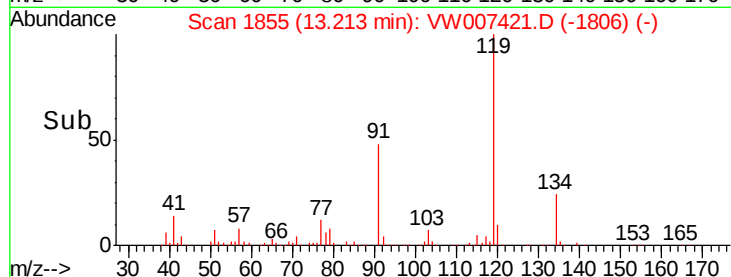
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 44.632 ug/l

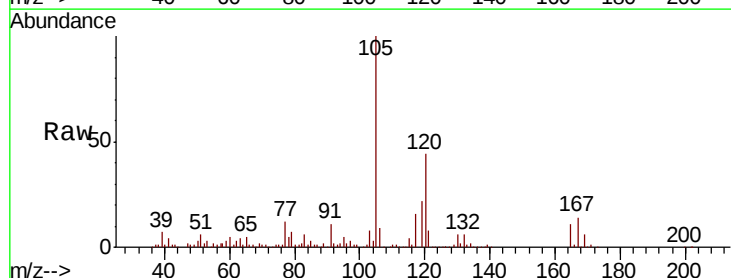
RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007421.D

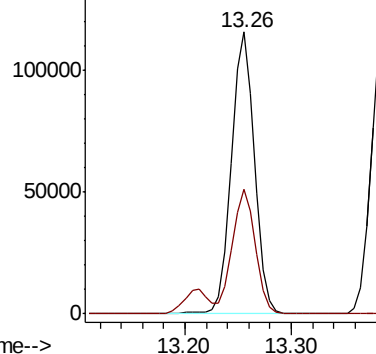
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 176406 |       |       |
| 120     | 44.4  | 22.6   | 67.7  |       |

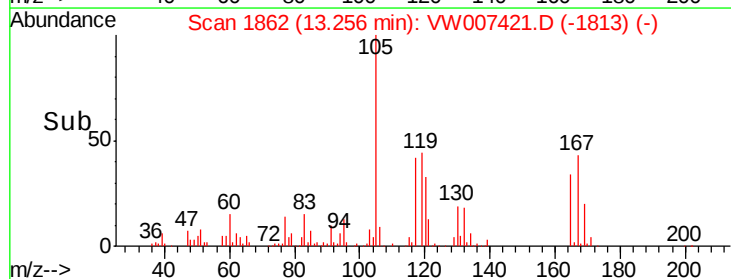


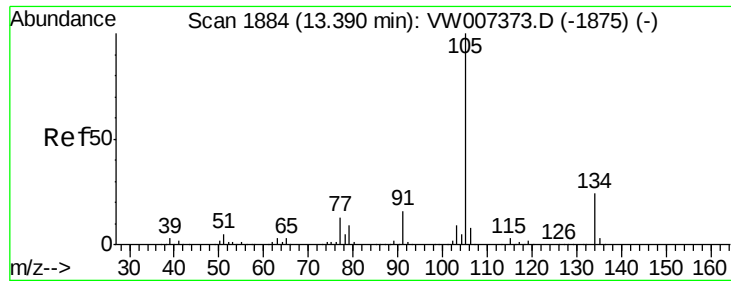
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





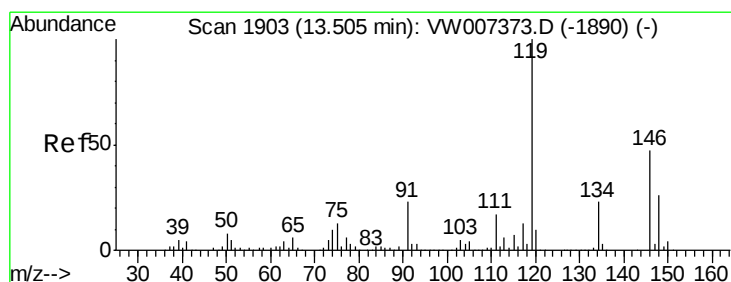
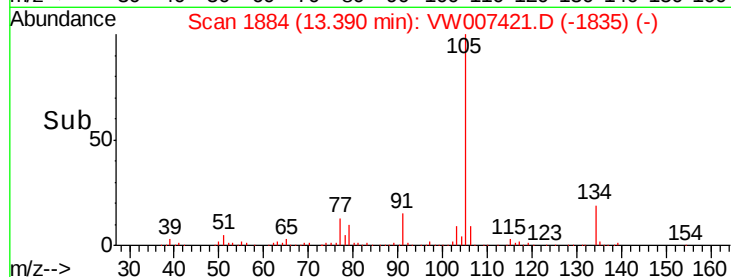
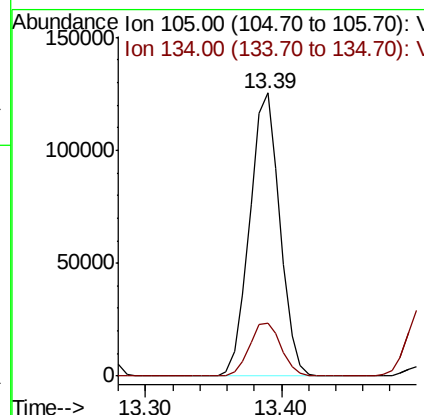
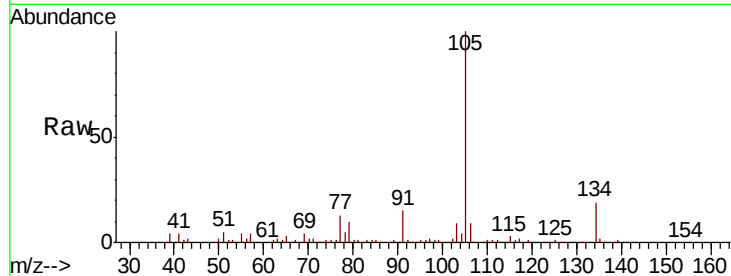
#85  
 sec-Butylbenzene  
 Concen: 42.136 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.8  | 11.1  | 33.3  |

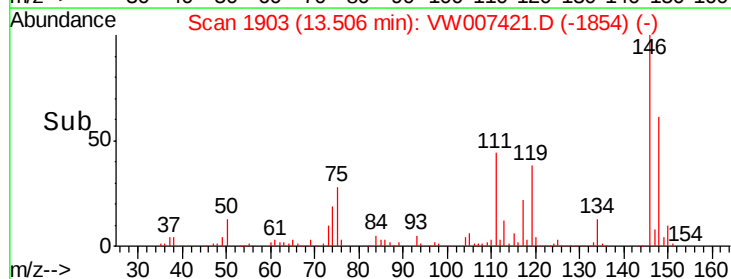
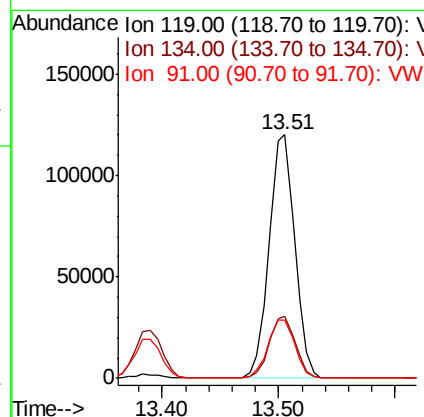
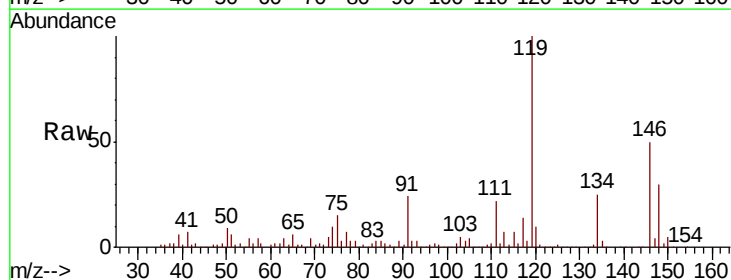
Manual Integrations  
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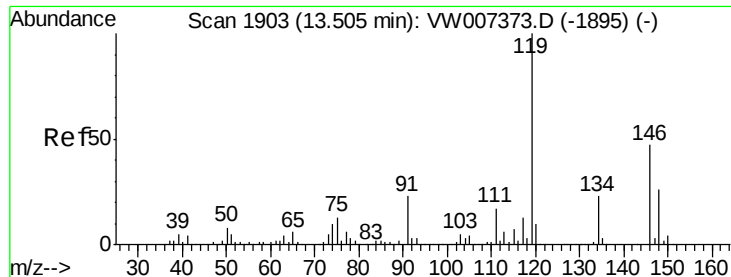
MMDadoda  
 12/12/2018 2:42:30 PM



#86  
 p-Isopropyltoluene  
 Concen: 44.025 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.7  | 12.9  | 38.7  |
| 91      | 24.6  | 11.9  | 35.9  |





#87

1,3-Dichlorobenzene

Concen: 49.121 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

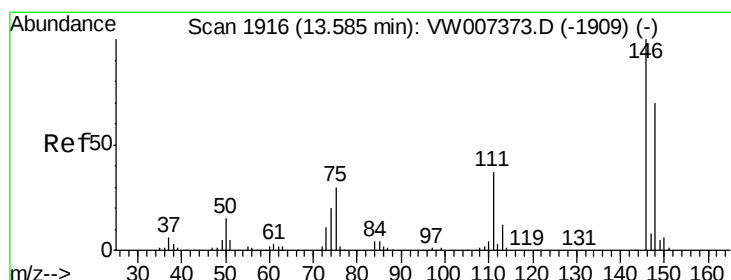
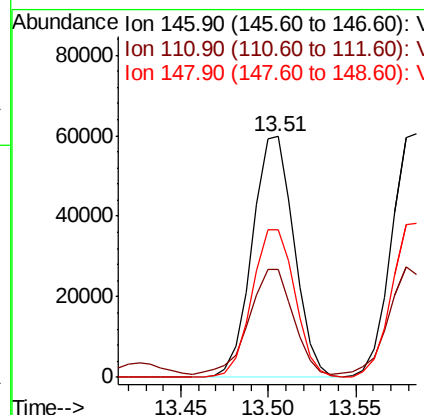
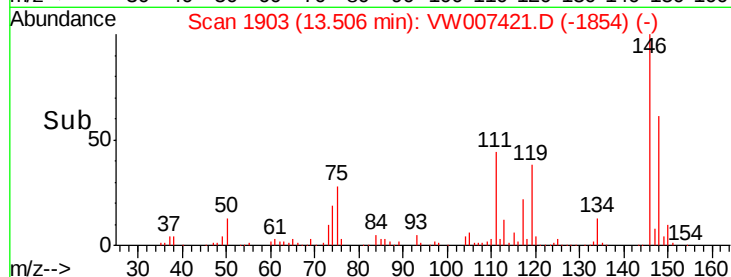
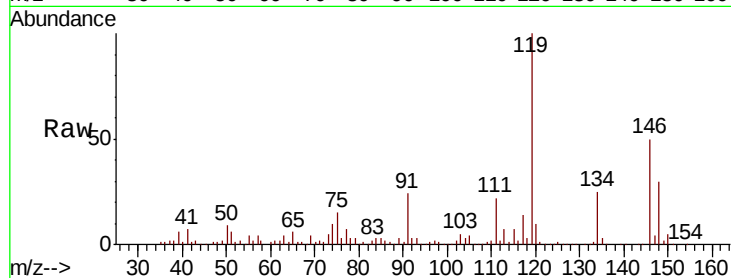
Instrument :  
MSVOA\_W

ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.4  | 20.1  | 60.3  |
| 148     | 62.8  | 31.4  | 94.0  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 49.034 ug/l

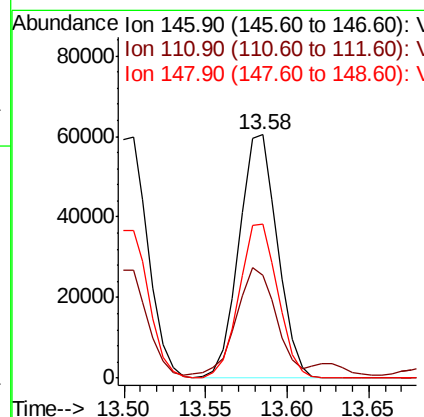
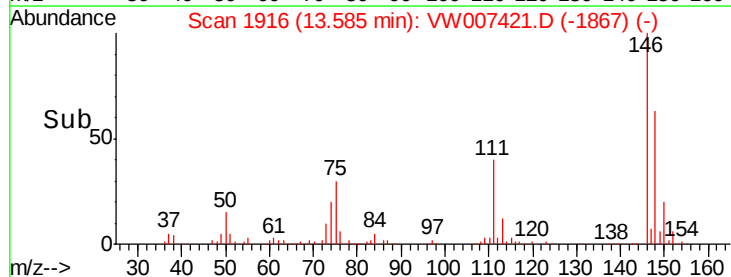
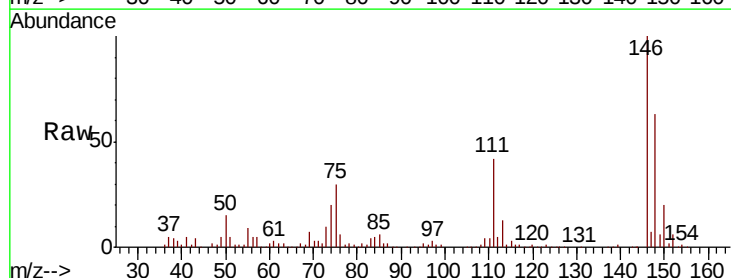
RT: 13.58 min Scan# 1916

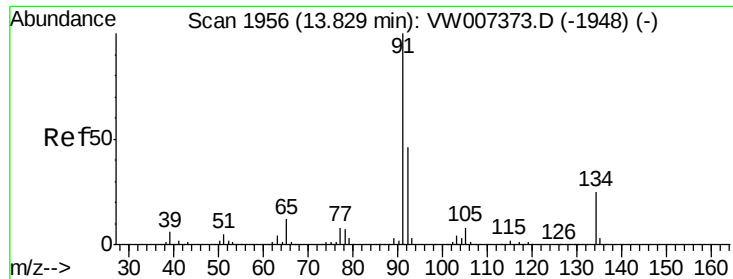
Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.8  | 20.3  | 61.0  |
| 148     | 63.6  | 33.5  | 100.5 |





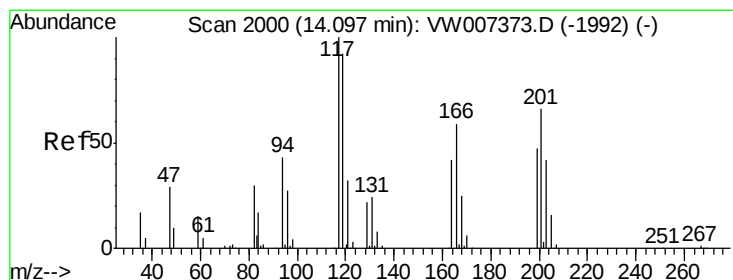
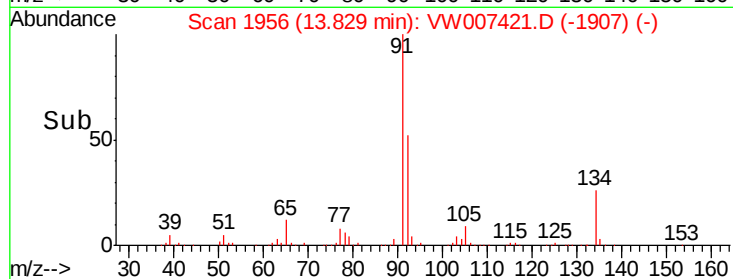
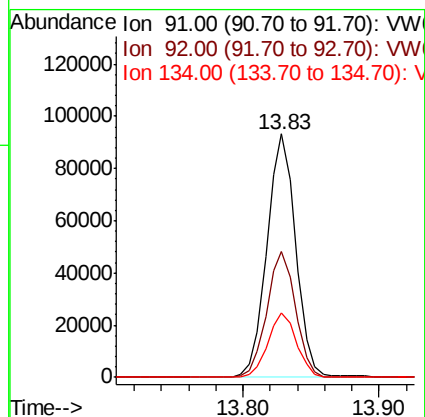
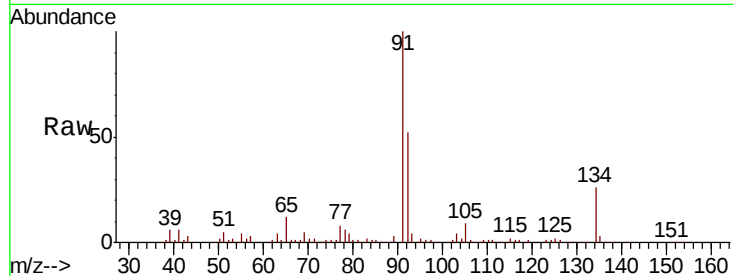
#89  
n-Butylbenzene  
Concen: 35.655 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.2  | 25.7  | 77.1  |
| 134     | 26.7  | 13.4  | 40.2  |

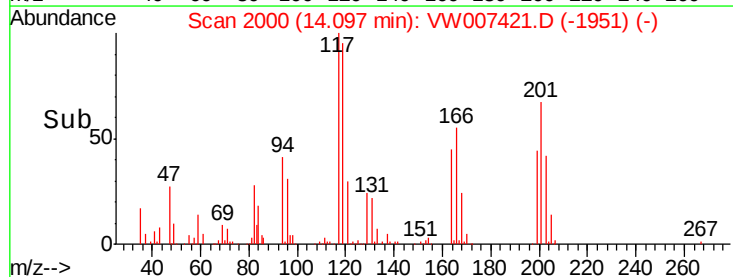
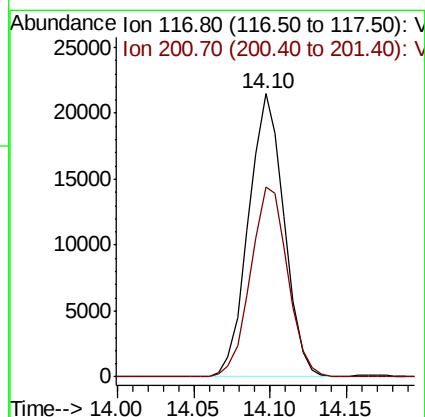
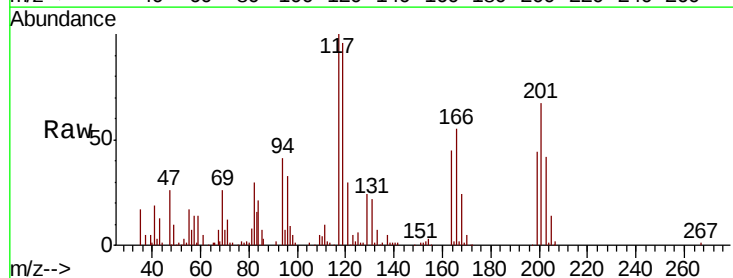
Manual Integrations  
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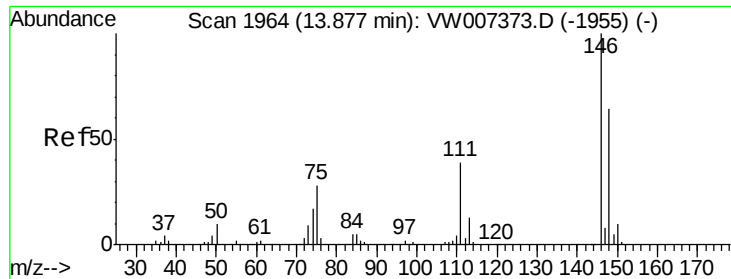
MMDadoda  
12/12/2018 2:42:30 PM



#90  
Hexachloroethane  
Concen: 47.057 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 69.9  | 35.3  | 105.9 |





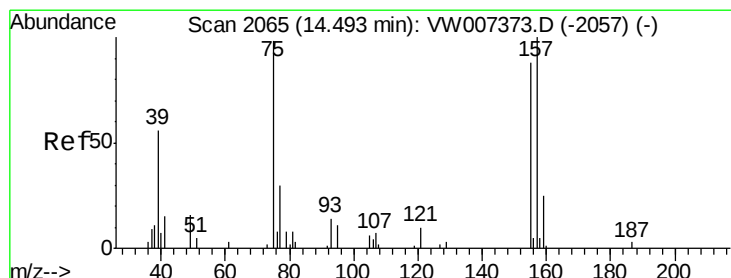
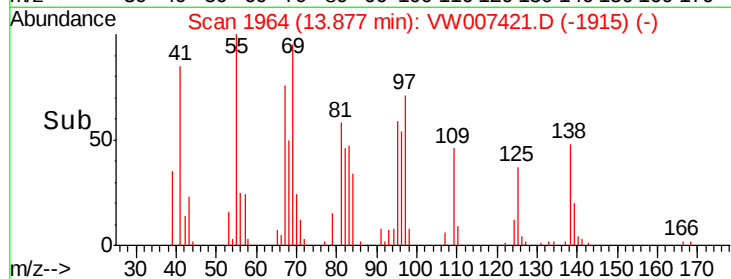
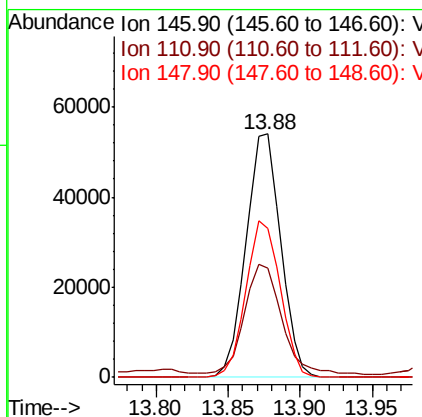
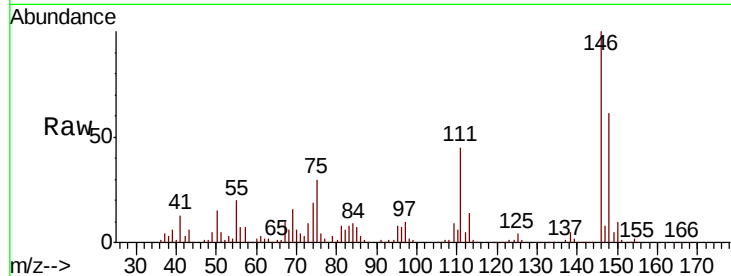
#91  
 1,2-Dichlorobenzene  
 Concen: 49.799 ug/l  
 RT: 13.88 min Scan# 1964  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S32-0632MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 50.1  | 22.4  | 67.2  |
| 148     | 63.9  | 32.4  | 97.2  |

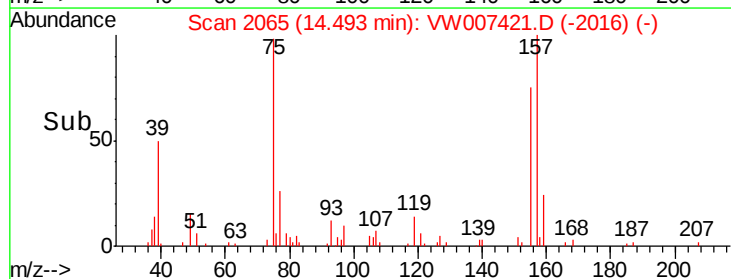
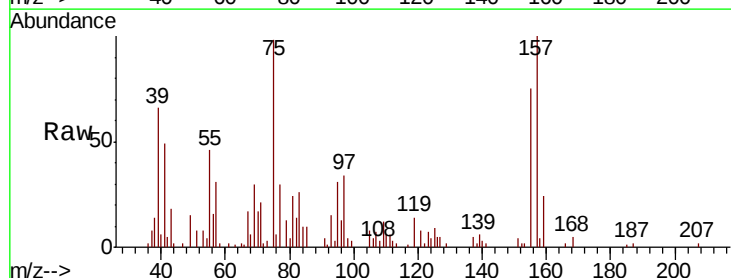
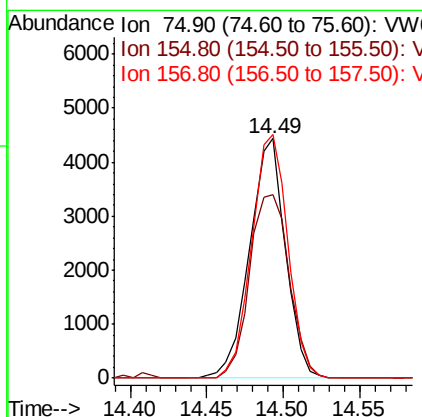
Manual Integrations  
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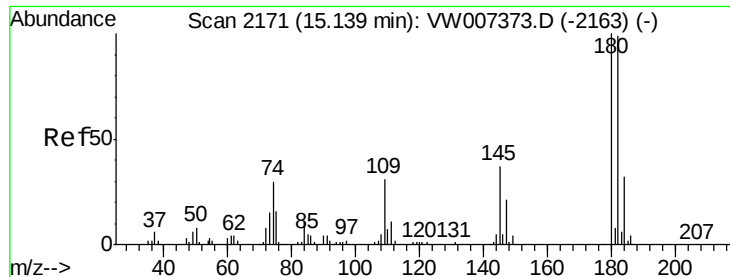
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.280 ug/l  
 RT: 14.49 min Scan# 2065  
 Delta R.T. 0.00 min  
 Lab File: VW007421.D  
 Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 84.6  | 40.8  | 122.2 |
| 157     | 102.3 | 51.1  | 153.4 |





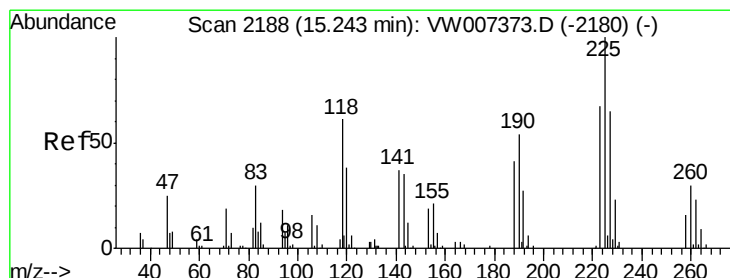
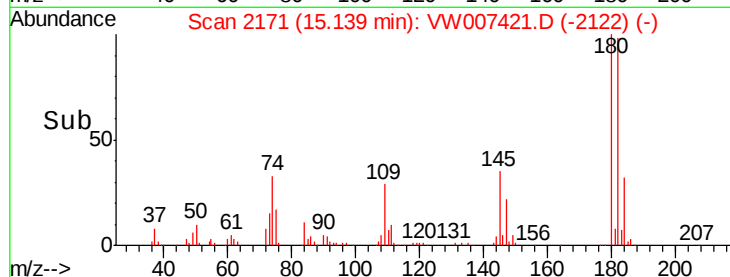
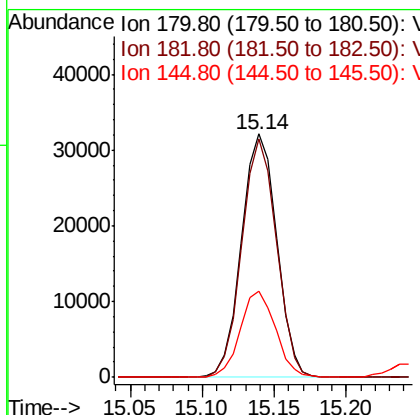
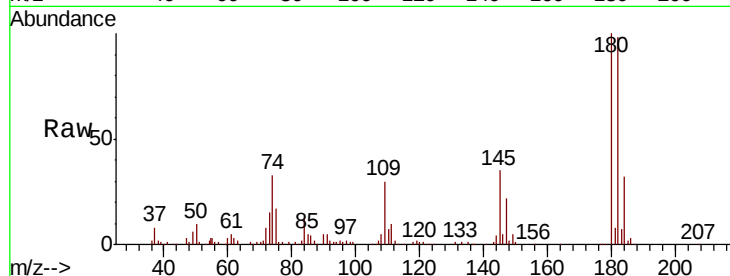
#93  
1,2,4-Trichlorobenzene  
Concen: 43.795 ug/l  
RT: 15.14 min Scan# 2171  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
S32-0632MS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 54534 |       |       |
| 182     | 96.0  | 49.9  | 149.6 |       |
| 145     | 35.4  | 17.8  | 53.4  |       |

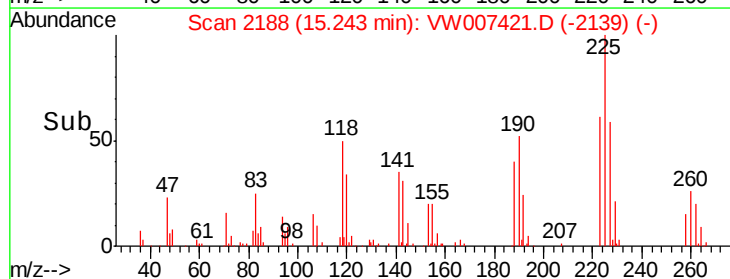
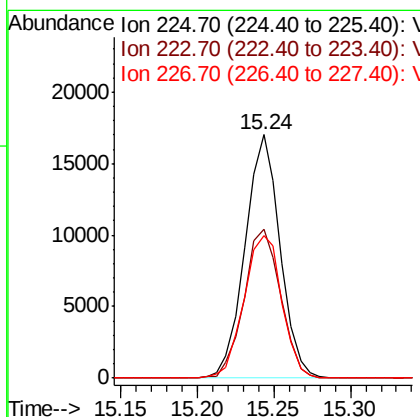
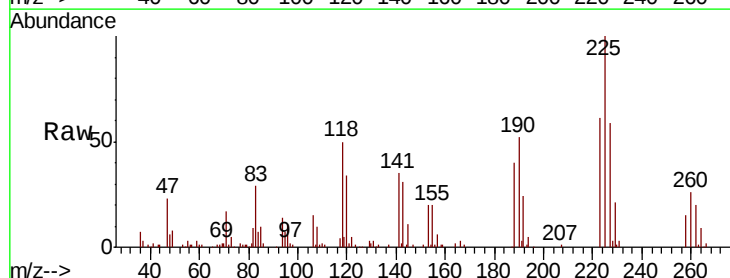
Manual Integrations  
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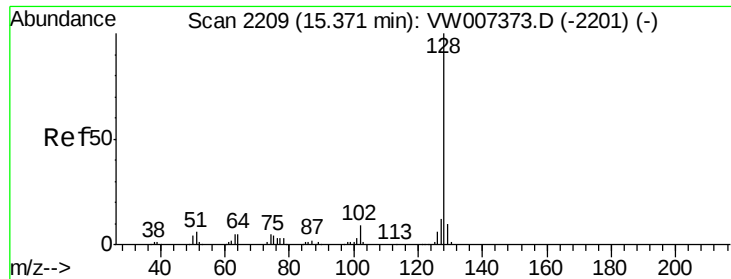
MMDadoda  
12/12/2018 2:42:30 PM



#94  
Hexachlorobutadiene  
Concen: 40.907 ug/l  
RT: 15.24 min Scan# 2188  
Delta R.T. 0.00 min  
Lab File: VW007421.D  
Acq: 12 Dec 2018 04:22

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 27027 |       |       |
| 223     | 64.2  | 32.1  | 96.3  |       |
| 227     | 63.5  | 31.9  | 95.9  |       |





#95

Naphthalene

Concen: 38.925 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA\_W

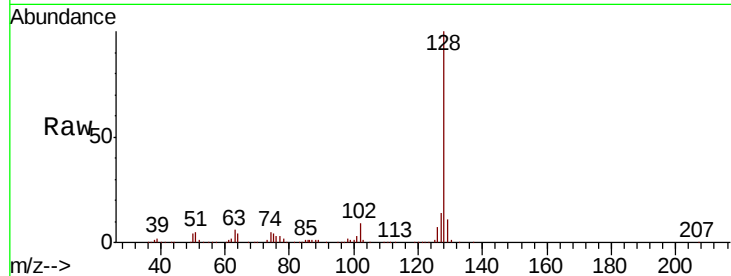
ClientSampleId :

S32-0632MS

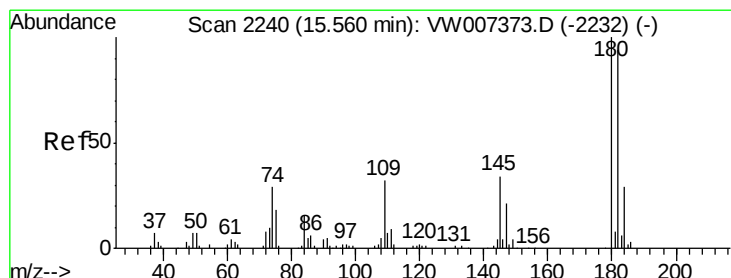
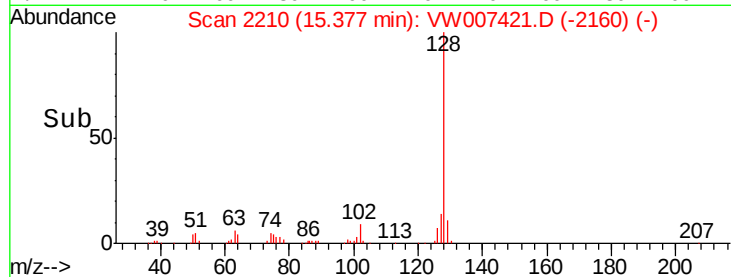
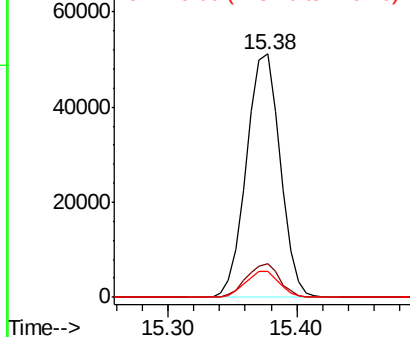
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 92726 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.8  | 10.2  | 15.4  |
| 129       | 10.9  | 8.3   | 12.5  |

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Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.737 ug/l

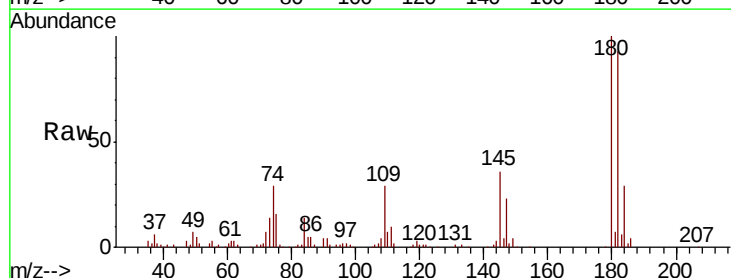
RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 48392 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.7  | 45.6  | 136.7 |
| 145       | 36.5  | 17.5  | 52.5  |



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

