

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\  
 Data File : VN052017.D  
 Acq On : 25 Oct 2018 18:17  
 Operator : MD\SY  
 Sample : VSTDCCC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2018 9:20:14 AM

Quant Time: Oct 26 02:34:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 12 10:23:44 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 183261   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 1013808  | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 923250   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 303580   | 27.22    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 90.73% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 373709   | 28.07    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 93.57% |
| 63) Toluene-d8            | 10.09  | 98    | 1157885  | 28.88    | ug/l | 0.00   |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 96.27% |

## Target Compounds

|                               |      |     |         |         | Ovalue     |
|-------------------------------|------|-----|---------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 153243  | 21.524  | ug/l 100   |
| 3) Chloromethane              | 2.06 | 50  | 142218  | 18.900  | ug/l 97    |
| 4) Vinyl Chloride             | 2.19 | 62  | 173467  | 15.437  | ug/l 97    |
| 5) Bromomethane               | 2.57 | 94  | 173233  | 17.448  | ug/l 83    |
| 6) Chloroethane               | 2.71 | 64  | 128302  | 15.843  | ug/l 98    |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 332627  | 20.763  | ug/l 94    |
| 8) Diethyl Ether              | 3.41 | 74  | 96704   | 20.735  | ug/l 69    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 202017m | 22.142  | ug/l       |
| 10) 1,1-Dichloroethene        | 3.74 | 96  | 182140  | 21.587  | ug/l 82    |
| 11) Methyl Iodide             | 3.96 | 142 | 323639  | 26.386  | ug/l 96    |
| 12) Methyl Acetate            | 4.33 | 43  | 108374  | 20.684  | ug/l # 89  |
| 13) Acrolein                  | 3.61 | 56  | 13544   | 39.235  | ug/l 93    |
| 14) Acrylonitrile             | 4.99 | 53  | 235581  | 100.603 | ug/l # 61  |
| 15) Acetone                   | 3.82 | 58  | 52648   | 90.950  | ug/l 99    |
| 16) Carbon Disulfide          | 4.06 | 76  | 401856  | 18.135  | ug/l 98    |
| 17) Allyl chloride            | 4.33 | 41  | 169442  | 16.915  | ug/l 76    |
| 18) Methylene Chloride        | 4.55 | 84  | 208281  | 22.078  | ug/l # 84  |
| 19) trans-1,2-Dichloroethene  | 5.05 | 96  | 204545  | 21.231  | ug/l # 81  |
| 20) Diisopropyl ether         | 5.95 | 45  | 441267  | 19.779  | ug/l # 83  |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 325368  | 20.872  | ug/l # 98  |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 249759  | 22.071  | ug/l # 76  |
| 23) tert-Butyl Alcohol        | 4.77 | 59  | 39832   | 64.586  | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 471995m | 19.416  | ug/l       |
| 25) Chloroform                | 7.37 | 83  | 395952  | 21.410  | ug/l 94    |
| 26) Cyclohexane               | 7.65 | 56  | 243425  | 18.419  | ug/l # 66  |
| 29) 1,1-Dichloropropene       | 7.80 | 75  | 273433  | 20.924  | ug/l 93    |
| 30) 2-Butanone                | 6.84 | 43  | 244367  | 89.466  | ug/l # 85  |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 288136  | 18.743  | ug/l # 75  |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 361485  | 20.864  | ug/l 94    |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 321938  | 20.538  | ug/l 91    |
| 34) Benzene                   | 8.04 | 78  | 832819  | 21.545  | ug/l # 65  |
| 35) Methacrylonitrile         | 7.17 | 41  | 51308   | 14.298  | ug/l # 70  |
| 36) 1,2-Dichloroethane        | 8.12 | 62  | 260141  | 21.003  | ug/l # 94  |
| 37) Trichloroethene           | 8.84 | 130 | 269907  | 22.493  | ug/l 94    |
| 38) Methylcyclohexane         | 9.08 | 83  | 321706  | 19.194  | ug/l 77    |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 190593  | 20.937  | ug/l 97    |
| 40) Dibromomethane            | 9.21 | 93  | 146026  | 21.613  | ug/l 89    |

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Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2018 9:20:14 AM

Quant Time: Oct 26 02:34:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 12 10:23:44 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 286643   | 20.540  | ug/l   | 95       |
| 42) Vinyl Acetate              | 5.90  | 43   | 1449067  | 94.243  | ug/l # | 88       |
| 43) Ethyl Acetate              | 6.93  | 43   | 114166   | 19.250  | ug/l   | 99       |
| 44) Isopropyl Acetate          | 8.16  | 43   | 216898   | 18.309  | ug/l   | 95       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 25716    | 270.355 | ug/l # | 74       |
| 46) Methyl methacrylate        | 9.20  | 41   | 102387   | 18.738  | ug/l   | 68       |
| 47) n-amyl Acetate             | 12.07 | 43   | 189110m  | 19.070  | ug/l   |          |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 252127   | 18.527  | ug/l   | 95       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 298582   | 19.903  | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 204430   | 21.899  | ug/l   | 94       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 206175   | 19.291  | ug/l   | 84       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 308691   | 21.426  | ug/l   | 99       |
| 53) Dibromochloromethane       | 10.90 | 129  | 231073   | 20.009  | ug/l   | 94       |
| 54) 1,2-Dibromoethane          | 11.00 | 107  | 213430   | 21.782  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 527452   | 115.446 | ug/l # | 91       |
| 56) Bromoform                  | 12.12 | 173  | 139665   | 18.338  | ug/l # | 95       |
| 58) 4-Methyl-2-Pentanone       | 9.98  | 43   | 584068   | 94.535  | ug/l # | 86       |
| 59) 2-Hexanone                 | 10.75 | 43   | 377614   | 90.595  | ug/l # | 88       |
| 61) Tetrachloroethene          | 10.63 | 164  | 264846   | 22.431  | ug/l   | 96       |
| 62) Toluene                    | 10.16 | 91   | 1005665  | 21.926  | ug/l   | 99       |
| 64) Chlorobenzene              | 11.43 | 112  | 676830   | 22.532  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 249652   | 21.653  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 1083201  | 21.369  | ug/l   | 98       |
| 67) m/p-Xylenes                | 11.62 | 106  | 890011   | 43.307  | ug/l   | 93       |
| 68) o-Xylene                   | 11.95 | 106  | 425950   | 21.024  | ug/l   | 87       |
| 69) Styrene                    | 11.96 | 104  | 679134   | 21.848  | ug/l   | 95       |
| 70) Isopropylbenzene           | 12.25 | 105  | 1148571  | 21.259  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 203849   | 19.106  | ug/l   | 95       |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 172313m  | 20.529  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 314905   | 23.532  | ug/l   | 74       |
| 74) n-propylbenzene            | 12.59 | 91   | 1205901  | 20.751  | ug/l   | 92       |
| 75) 2-Chlorotoluene            | 12.67 | 91   | 709826   | 20.834  | ug/l   | 89       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 914374   | 20.467  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 42402    | 15.275  | ug/l   | 93       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 699897   | 20.909  | ug/l   | 86       |
| 79) tert-butylbenzene          | 12.99 | 119  | 849693   | 20.681  | ug/l   | 92       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 919230   | 20.587  | ug/l   | 94       |
| 81) sec-Butylbenzene           | 13.17 | 105  | 1087352  | 20.231  | ug/l   | 94       |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 981262   | 20.403  | ug/l   | 95       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 534161   | 22.621  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 522950   | 23.525  | ug/l   | 98       |
| 85) n-Butylbenzene             | 13.61 | 91   | 715237   | 19.721  | ug/l   | 94       |
| 86) Hexachloroethane           | 13.87 | 117  | 138251   | 16.671  | ug/l   | 98       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 501102   | 21.920  | ug/l   | 95       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 23045    | 14.463  | ug/l # | 59       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 192243   | 20.469  | ug/l   | 97       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 123898   | 16.818  | ug/l   | 96       |
| 91) Naphthalene                | 15.13 | 128  | 357720   | 19.974  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 154405   | 14.845  | ug/l   | 93       |

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ALS Vial : 21 Sample Multiplier: 28

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Manual Integrations  
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QLast Update : Fri Oct 12 10:23:44 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

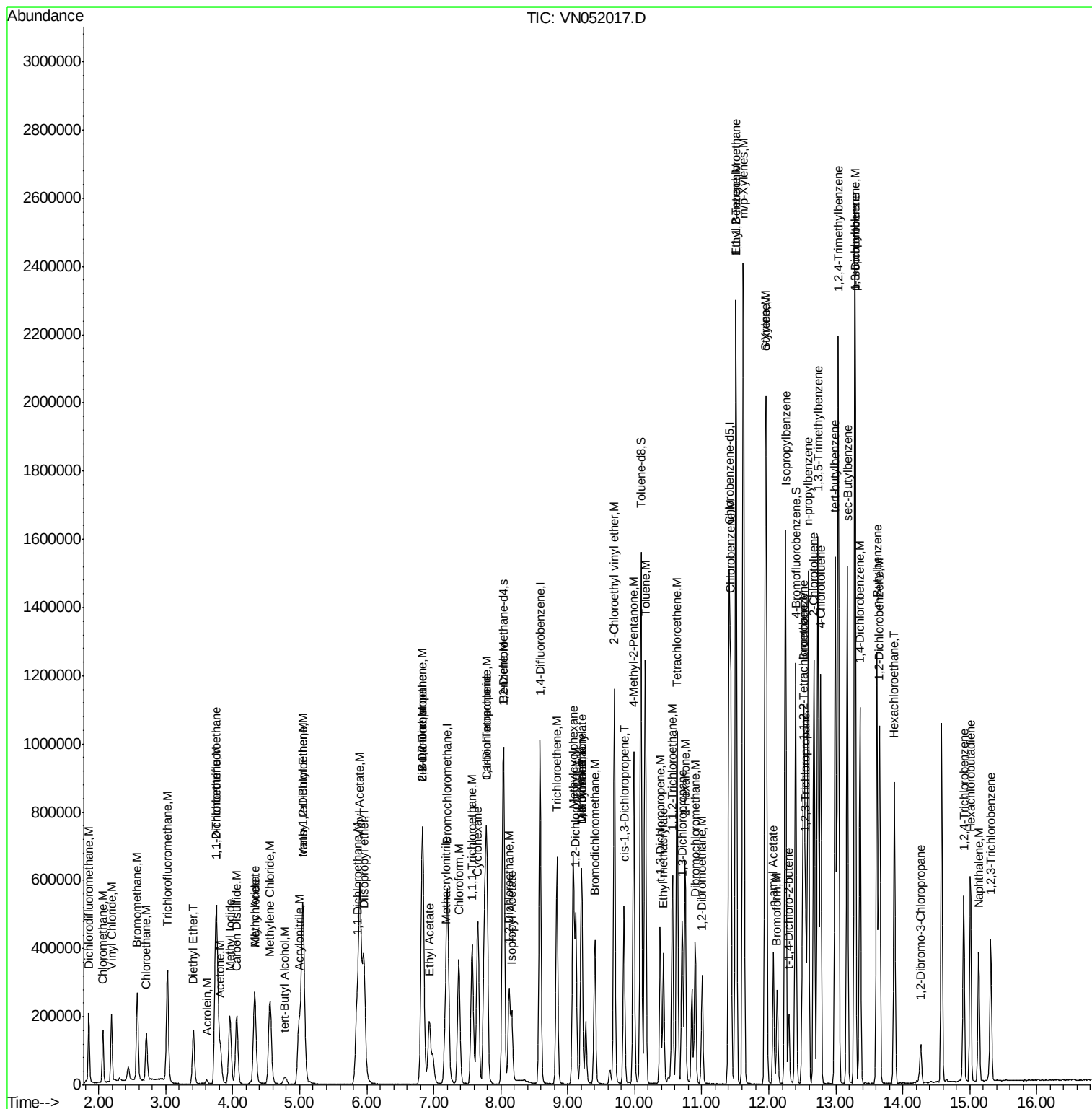
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\  
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Misc : 5.00mL/MSVOA N/WATER  
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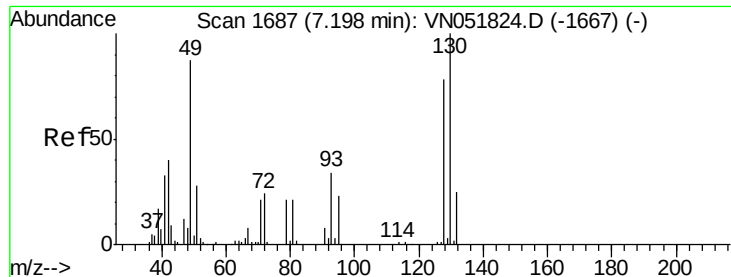
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
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MMDadoda  
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

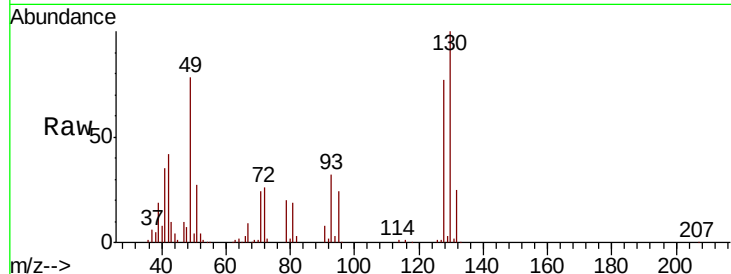
ClientSampleId :

VSTDCCC020EC

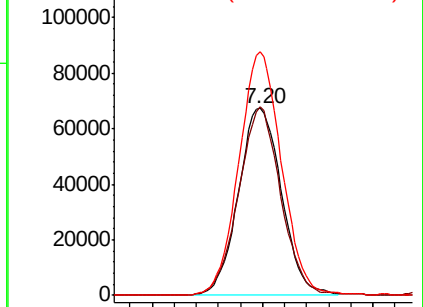
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 128   | Resp: | 183261 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 49       | 97.7  | 0.0   | 403.3  |
| 130      | 128.4 | 0.0   | 326.0  |

Manual Integrations  
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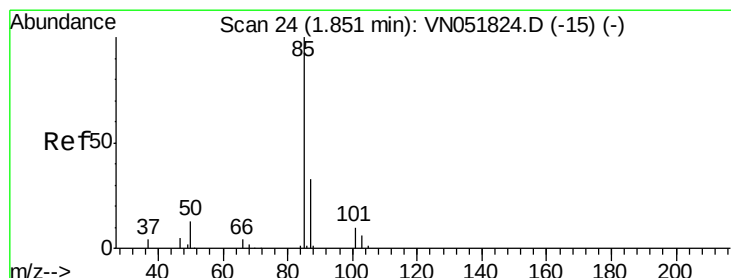
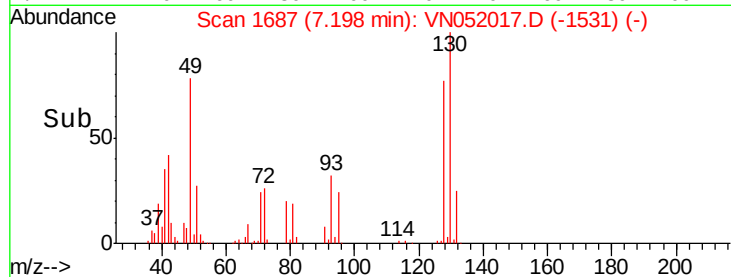
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10/26/2018 9:20:14 AM



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): V  
Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 21.524 ug/l

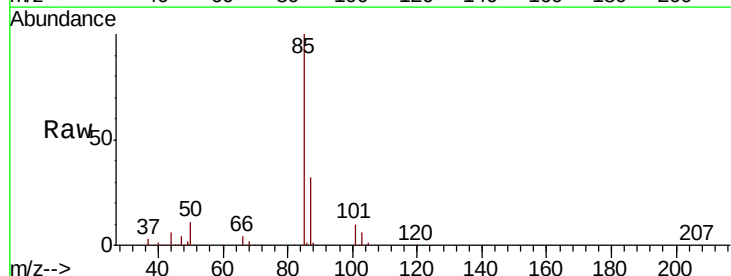
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

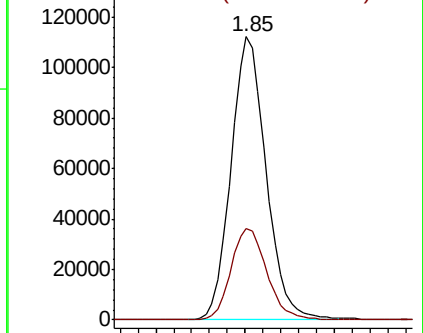
Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

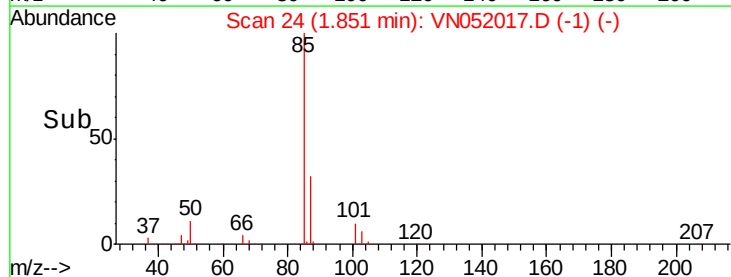
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 153243 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 32.3  | 16.3  | 48.8   |

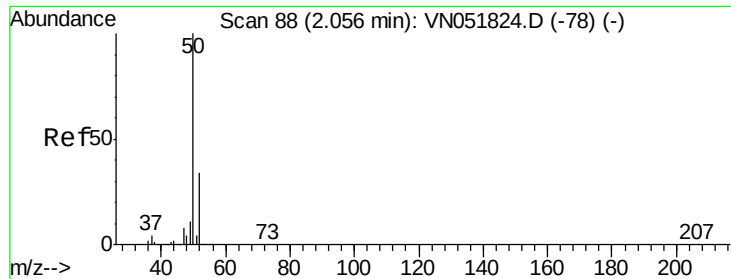


Abundance Ion 85.00 (84.70 to 85.70): V  
Ion 87.00 (86.70 to 87.70): V



Time-->





#3

Chloromethane

Concen: 18.900 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 142218

Ion Ratio Lower Upper

50 100

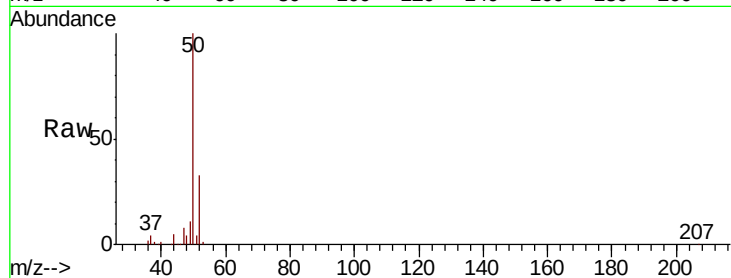
52 32.6 27.2 40.8

Manual Integrations

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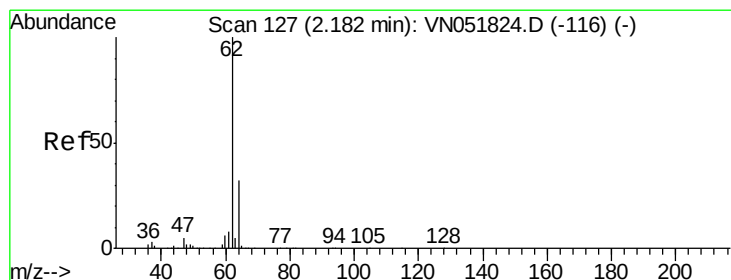
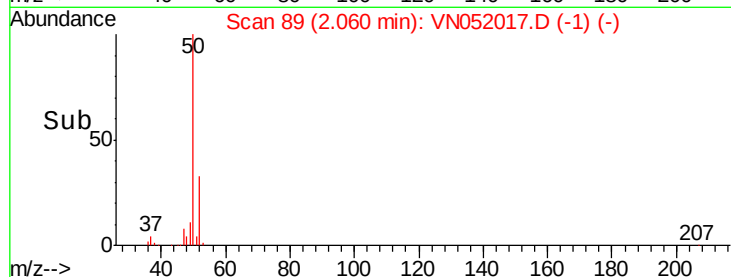
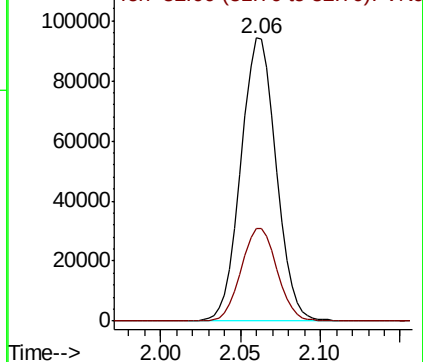
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 15.437 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN052017.D

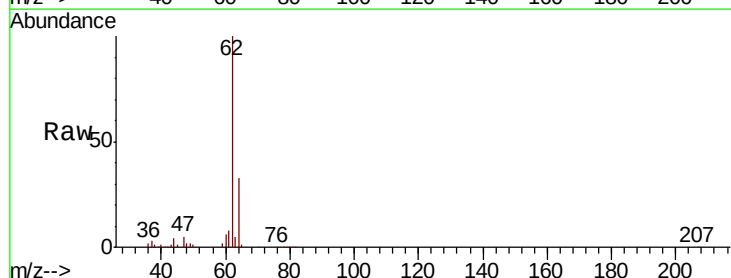
Acq: 25 Oct 2018 18:17

Tgt Ion: 62 Resp: 173467

Ion Ratio Lower Upper

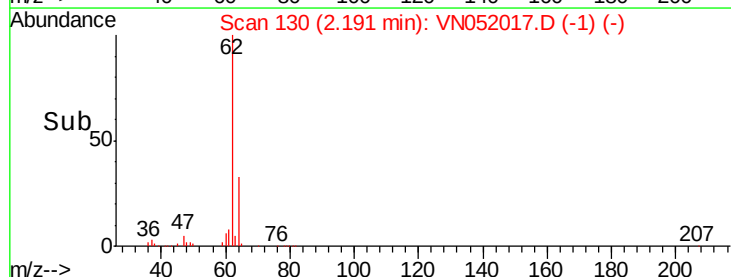
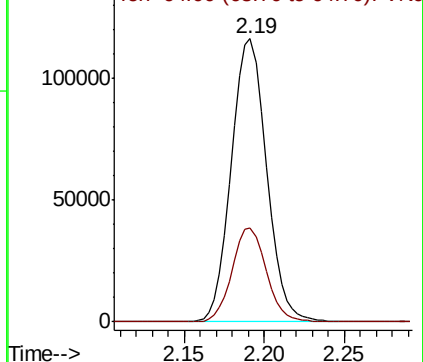
62 100

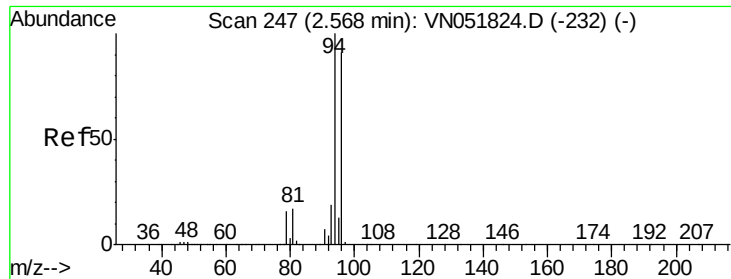
64 33.3 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 17.448 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 173233

Ion Ratio Lower Upper

94 100

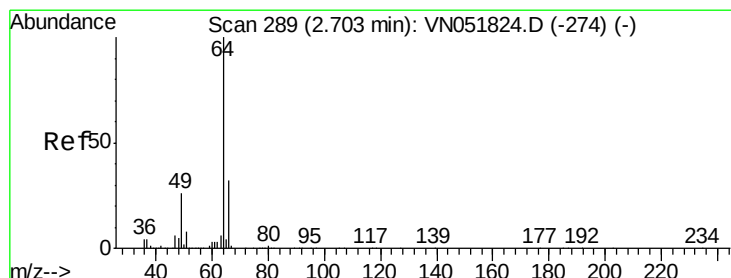
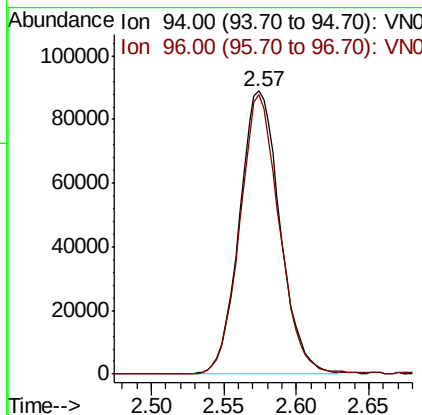
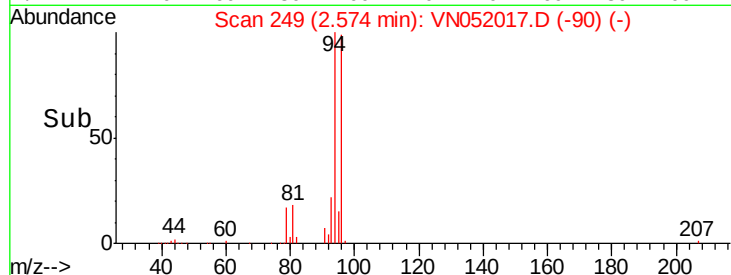
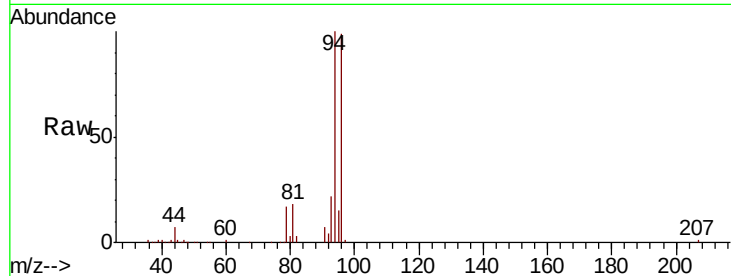
96 98.7 66.4 99.6

Manual Integrations

APPROVED

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10/26/2018 9:20:14 AM



#6

Chloroethane

Concen: 15.843 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN052017.D

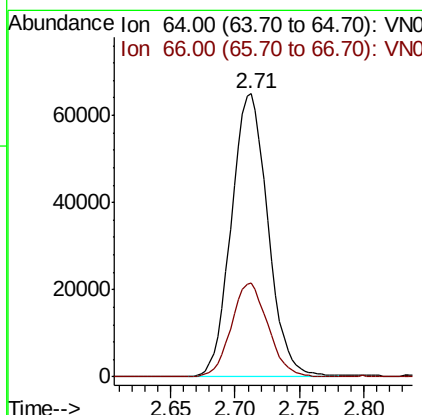
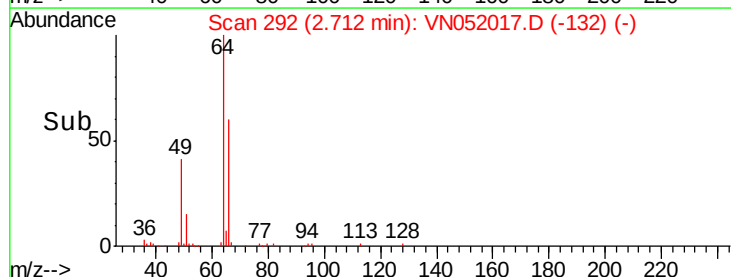
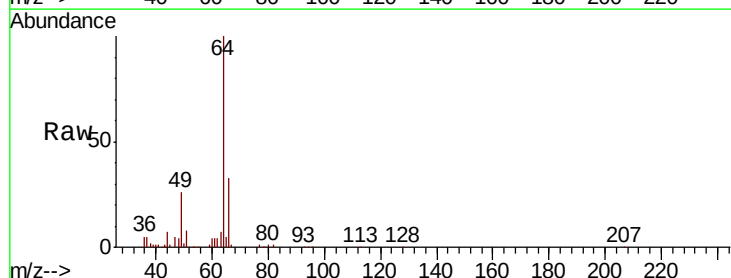
Acq: 25 Oct 2018 18:17

Tgt Ion: 64 Resp: 128302

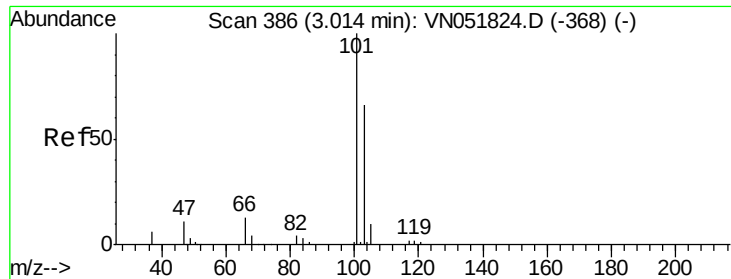
Ion Ratio Lower Upper

64 100

66 33.3 25.8 38.6







#7

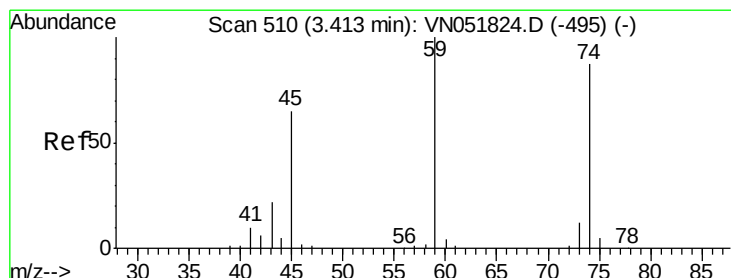
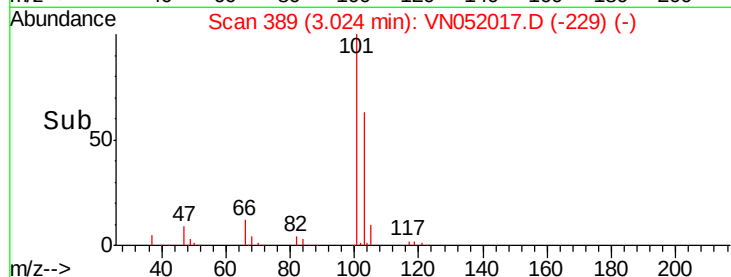
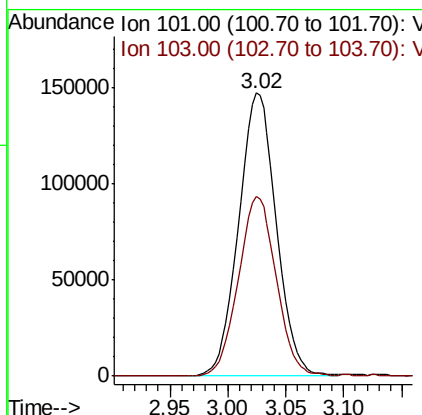
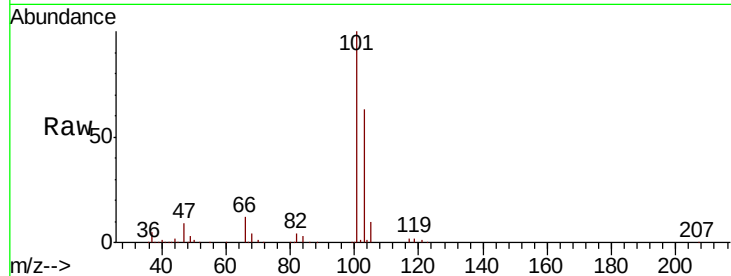
Trichlorofluoromethane  
Concen: 20.763 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.01 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.3  | 54.8  | 82.2  |

Manual Integrations  
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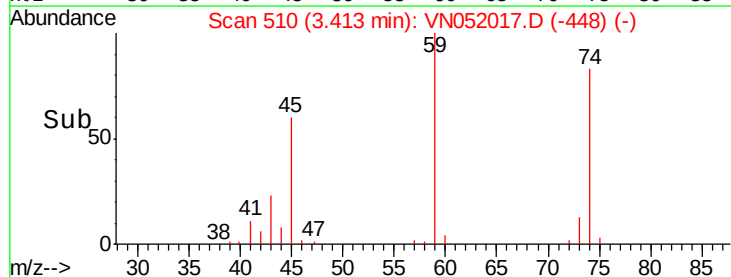
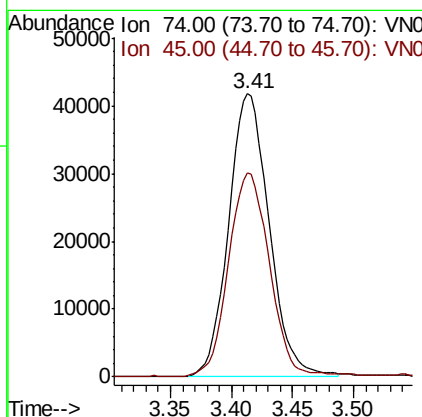
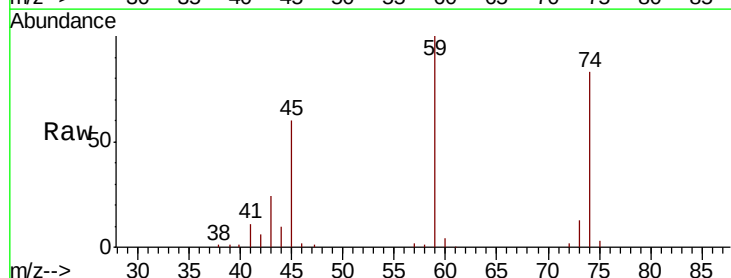
MMDadoda  
10/26/2018 9:20:14 AM



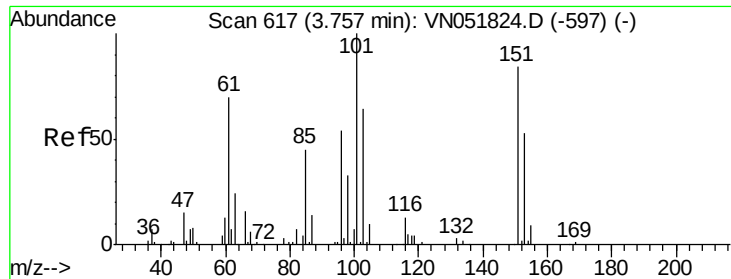
#8

Diethyl Ether  
Concen: 20.735 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 72.0  | 20.7  | 186.5 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.142 ug/l m

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

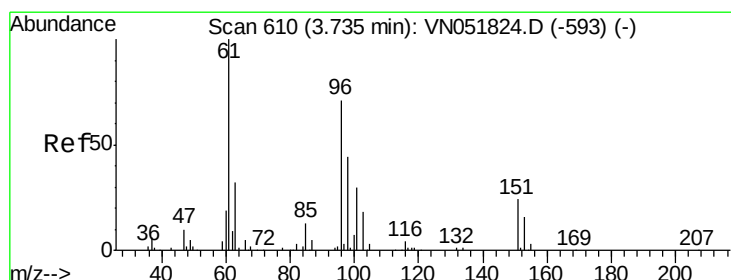
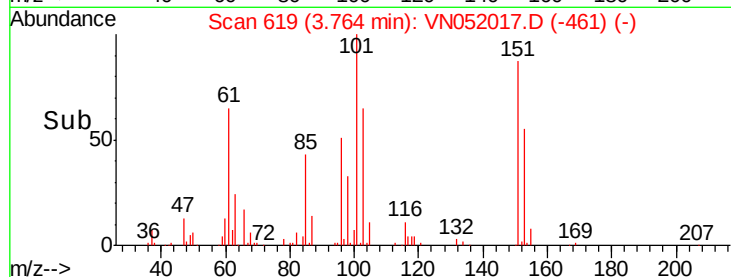
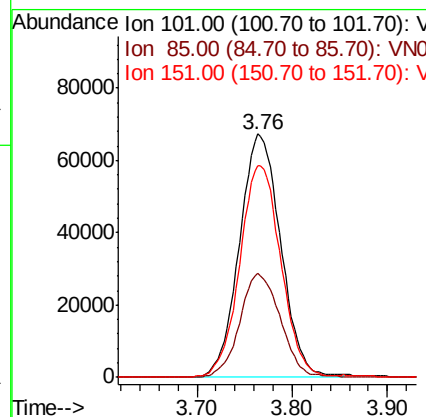
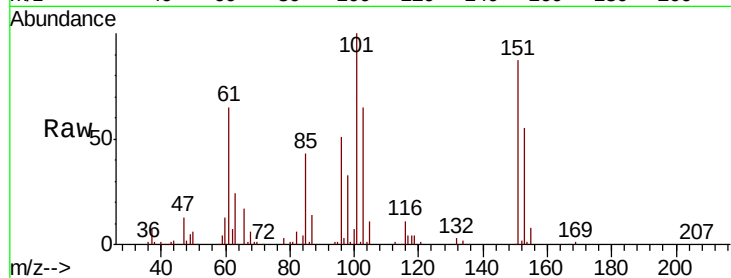
ClientSampleId :

VSTDCCC020EC

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 101     | 100   |            |       |
| 85      | 0.0   | 0.0        | 46.0  |
| 151     | 0.1   | 0.0        | 82.2  |

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#10

1,1-Dichloroethene

Concen: 21.587 ug/l

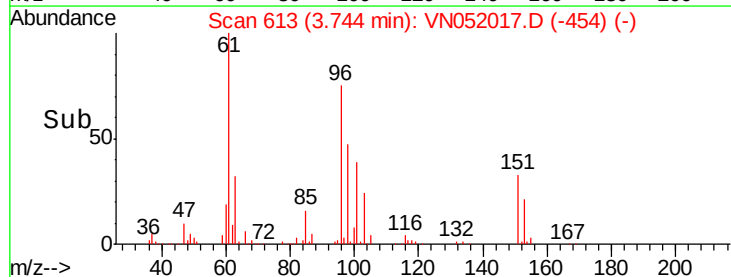
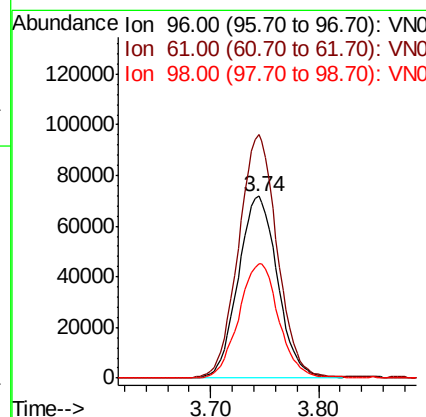
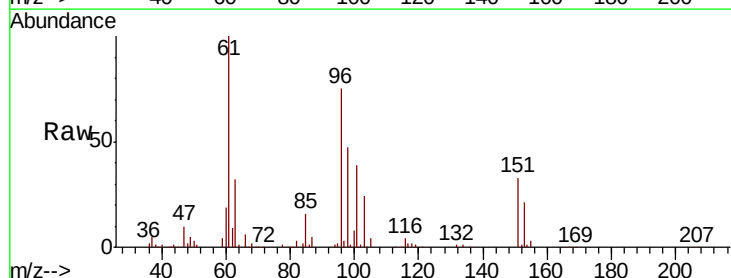
RT: 3.74 min Scan# 613

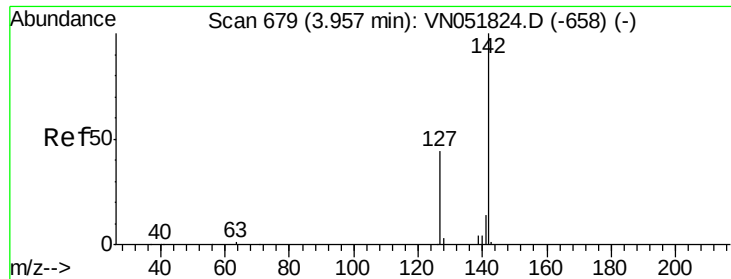
Delta R.T. 0.01 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 96      | 100   |            |       |
| 61      | 133.9 | 133.0      | 199.6 |
| 98      | 62.8  | 52.6       | 78.8  |





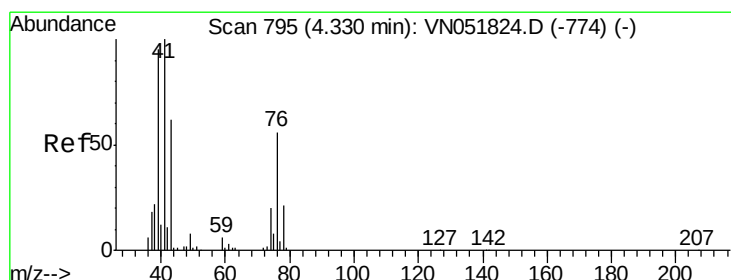
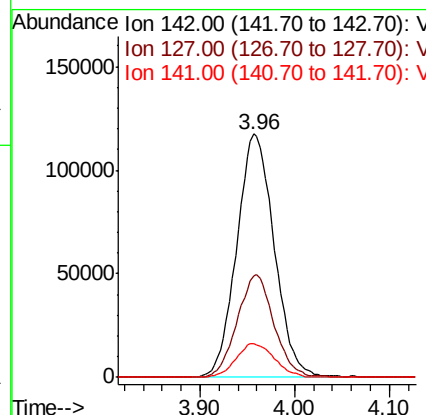
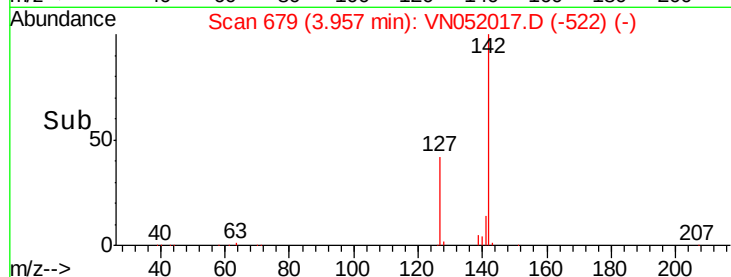
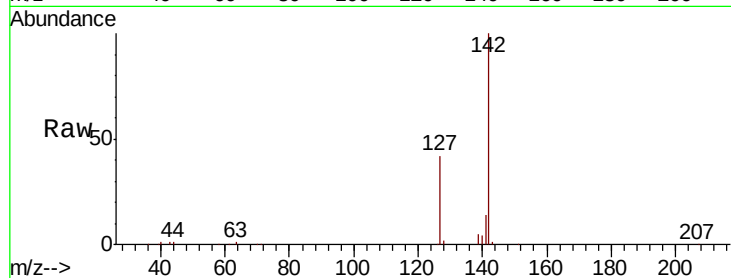
#11  
Methvl Iodide  
Concen: 26.386 ug/l  
RT: 3.96 min Scan# 679  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 41.9  | 19.7  | 59.0  |
| 141     | 13.6  | 6.3   | 18.9  |

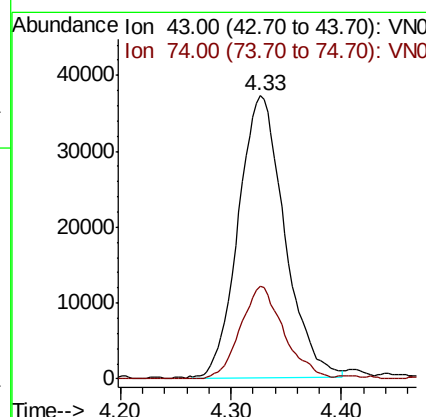
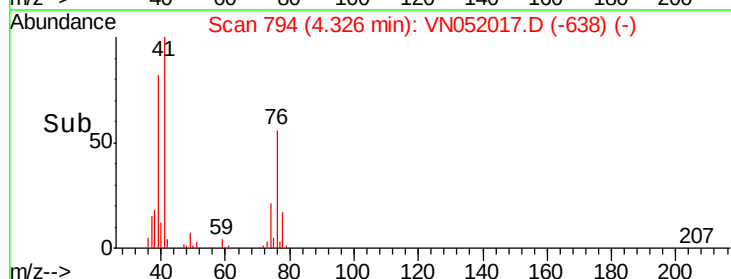
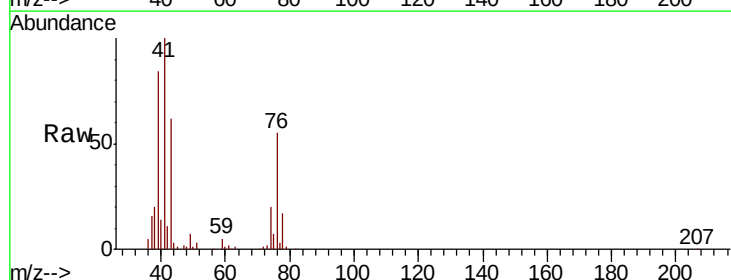
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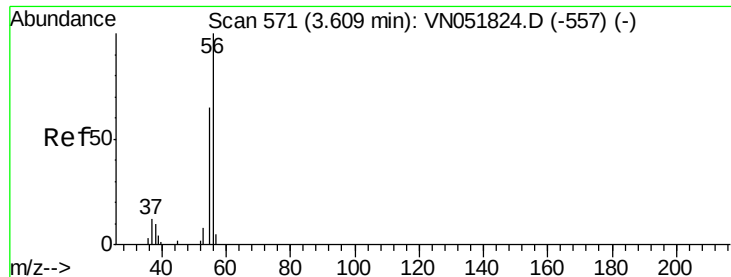
MMDadoda  
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#12  
Methyl Acetate  
Concen: 20.684 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 32.8  | 21.8  | 32.6# |





#13

Acrolein

Concen: 39.235 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 13544

Ion Ratio Lower Upper

56 100

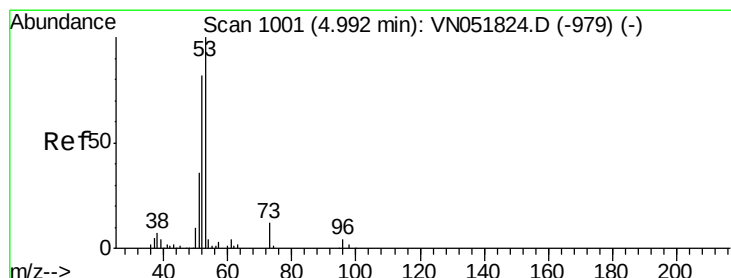
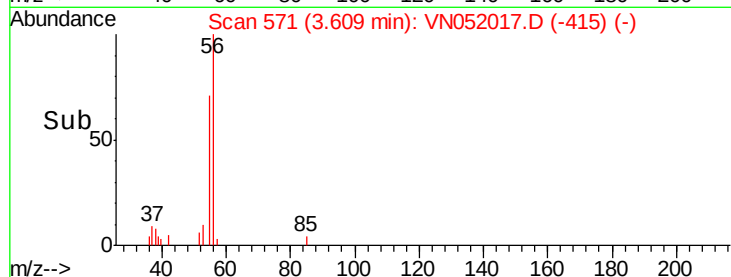
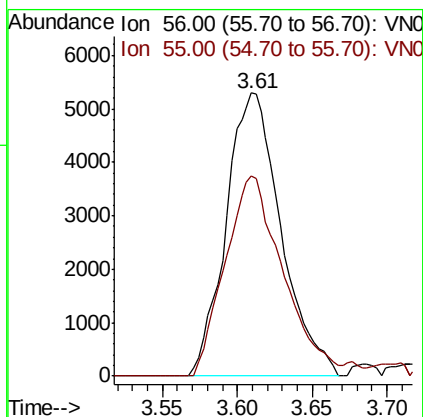
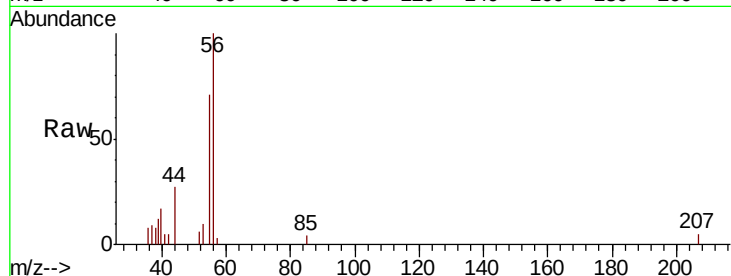
55 74.2 64.0 96.0

Manual Integrations

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#14

Acrylonitrile

Concen: 100.603 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

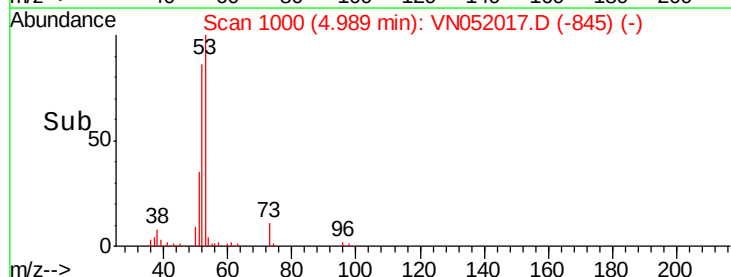
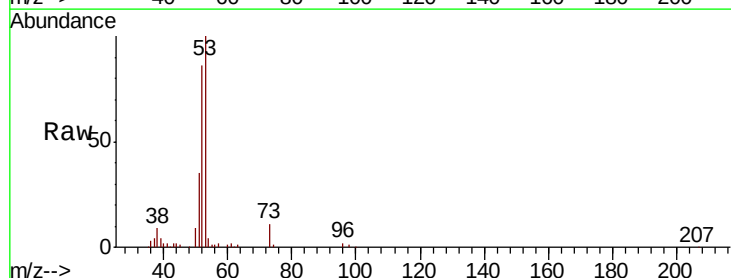
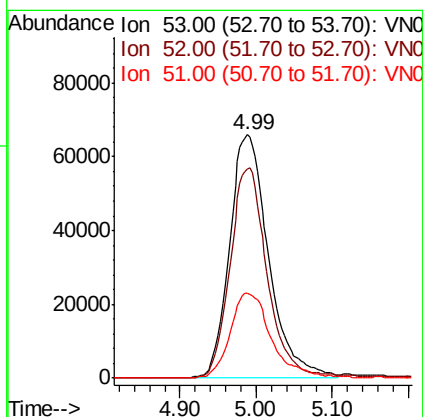
Tgt Ion: 53 Resp: 235581

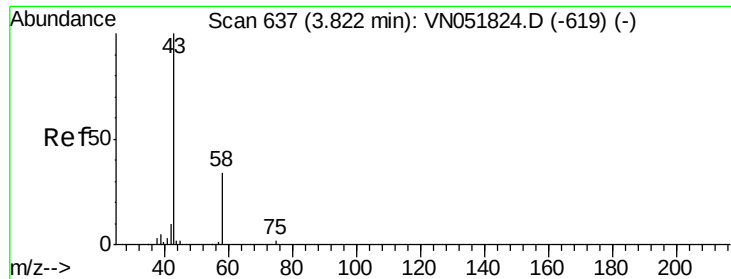
Ion Ratio Lower Upper

53 100

52 81.7 18.3 54.8#

51 36.6 19.7 59.1





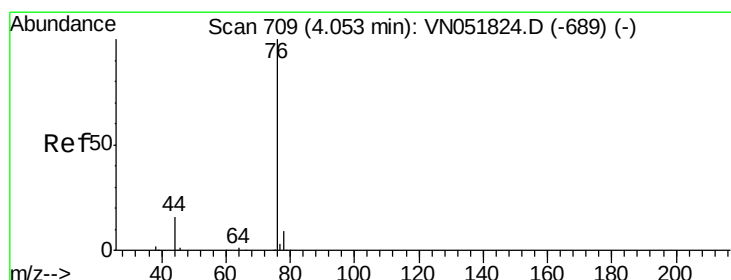
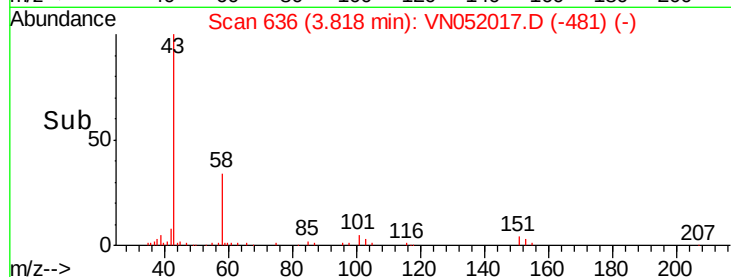
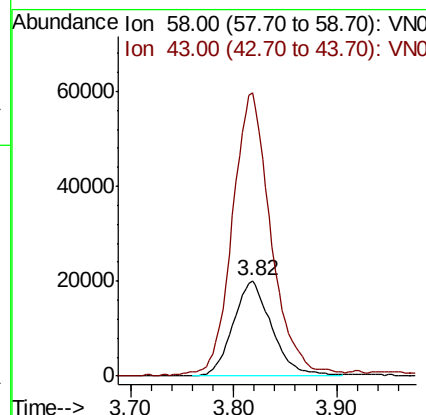
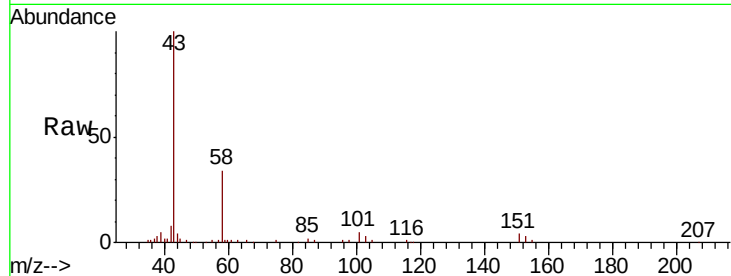
#15  
Acetone  
Concen: 90.950 ug/l  
RT: 3.82 min Scan# 636  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tot Ion: 58 Resp: 52648  
Ion Ratio Lower Upper  
58 100  
43 292.7 232.2 348.2

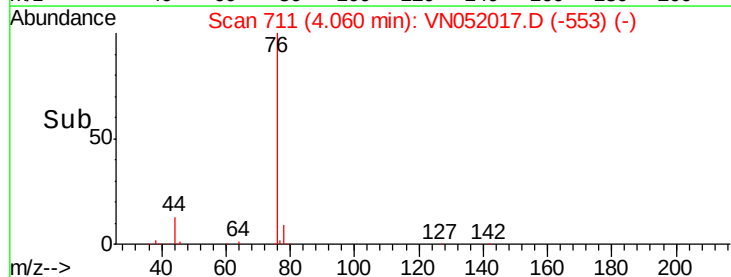
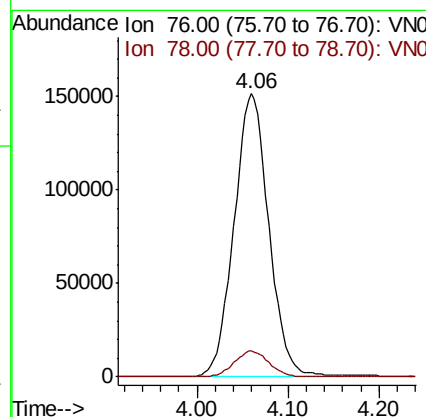
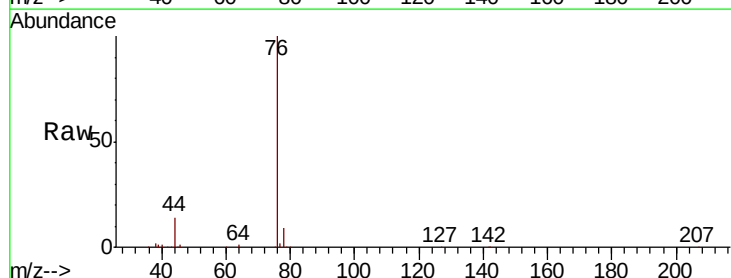
Manual Integrations  
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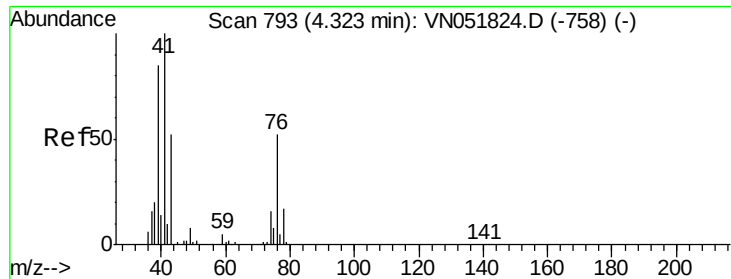
MMDadoda  
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#16  
Carbon Disulfide  
Concen: 18.135 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.01 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Tgt Ion: 76 Resp: 401856  
Ion Ratio Lower Upper  
76 100  
78 9.3 6.7 10.1





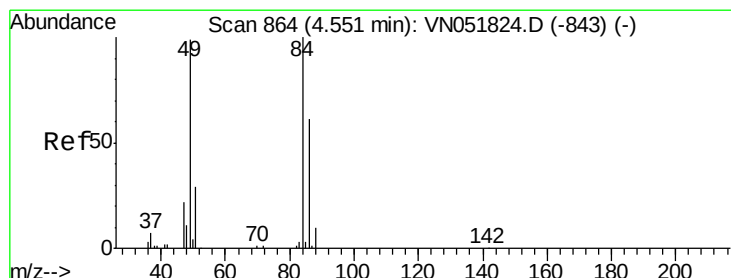
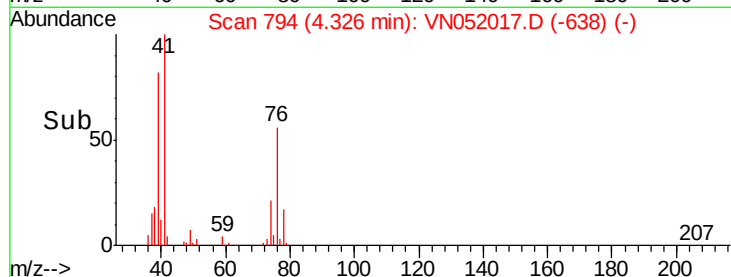
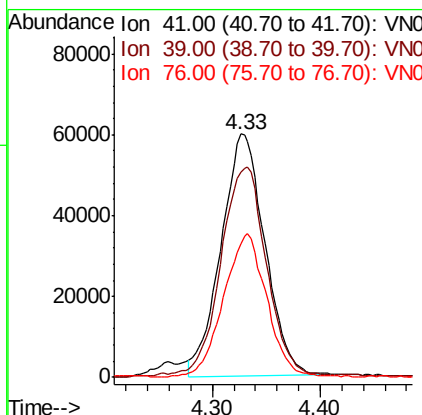
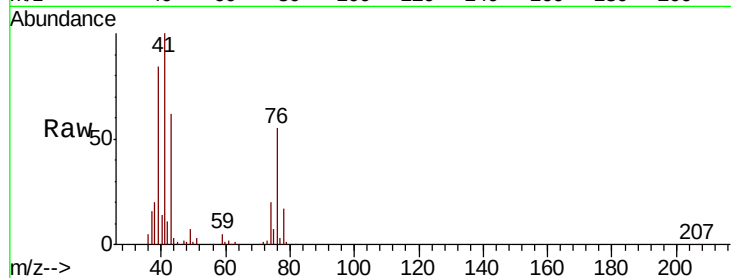
#17  
Allvl chloride  
Concen: 16.915 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 83.9  | 32.6  | 97.8  |
| 76      | 54.7  | 20.2  | 60.5  |

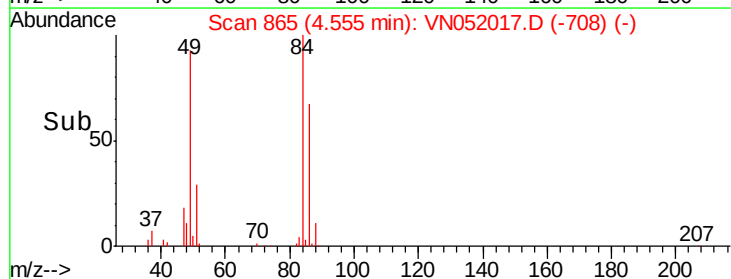
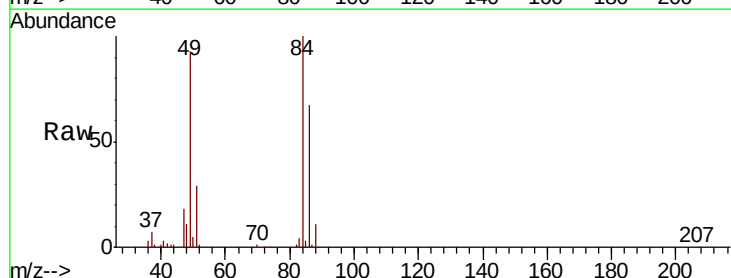
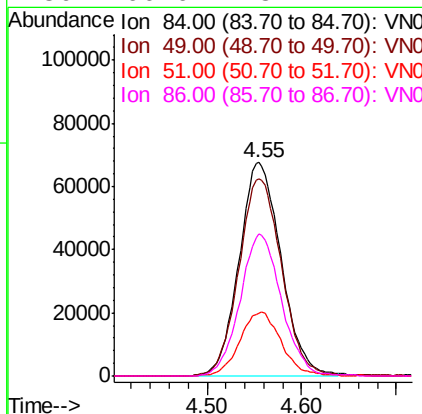
Manual Integrations  
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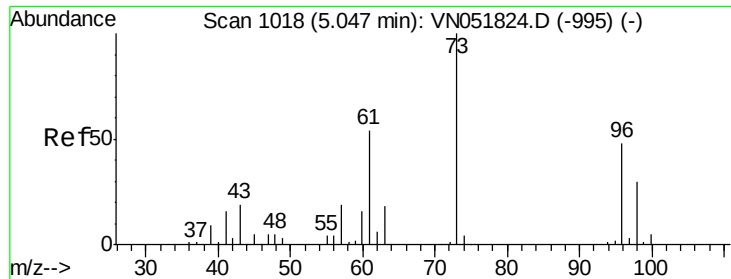
MMDadoda  
10/26/2018 9:20:14 AM



#18  
Methylene Chloride  
Concen: 22.078 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 92.5  | 91.6  | 137.4 |
| 51      | 29.2  | 29.8  | 44.6# |
| 86      | 66.6  | 48.2  | 72.4  |





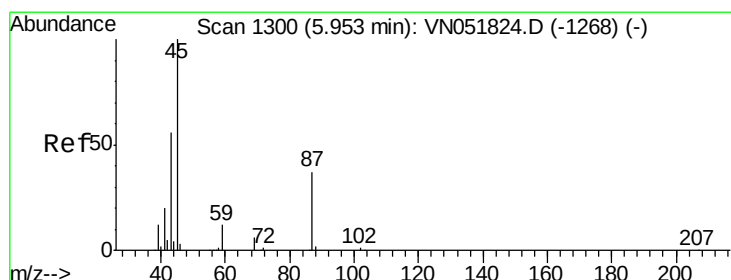
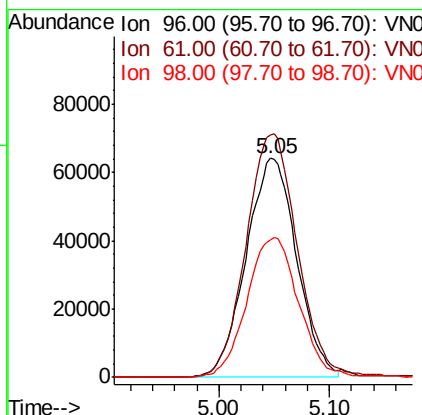
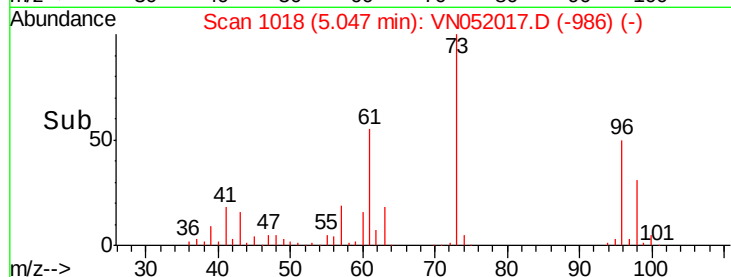
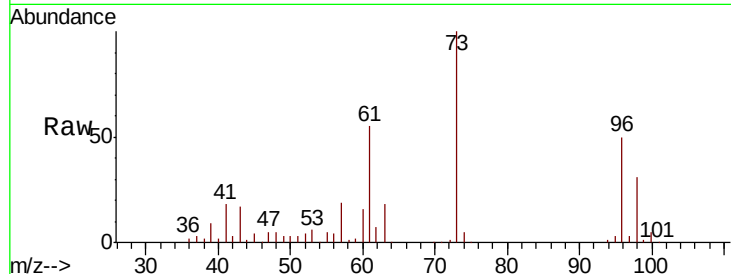
#19  
trans-1,2-Dichloroethene  
Concen: 21.231 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 110.9 | 112.3 | 168.5# |
| 98      | 63.0  | 47.1  | 70.7   |

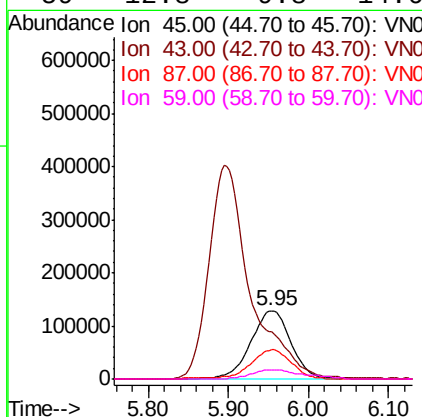
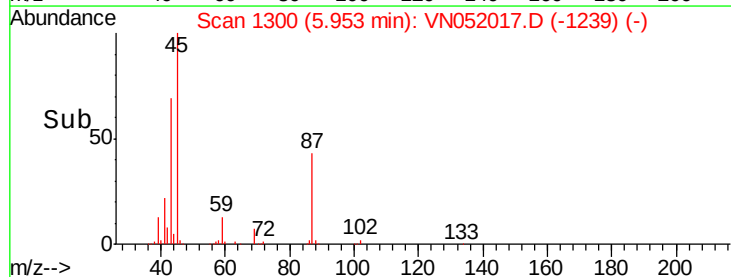
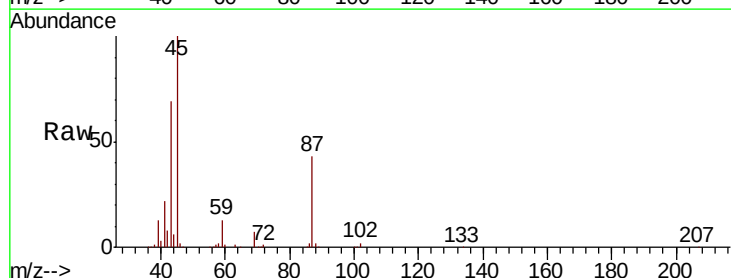
Manual Integrations  
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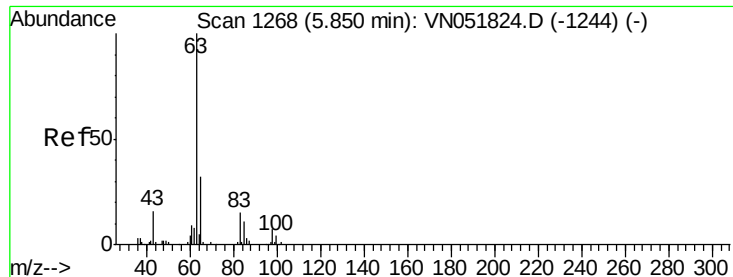
MMDadoda  
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#20  
Diisopropyl ether  
Concen: 19.779 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 65.6  | 62.1  | 93.1  |
| 87      | 42.3  | 19.9  | 29.9# |
| 59      | 12.8  | 9.8   | 14.6  |





#21

1,1-Dichloroethane

Concen: 20.872 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

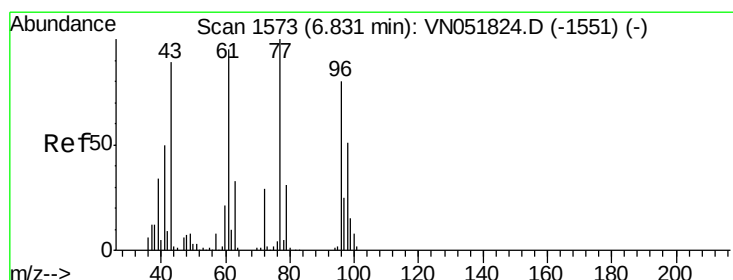
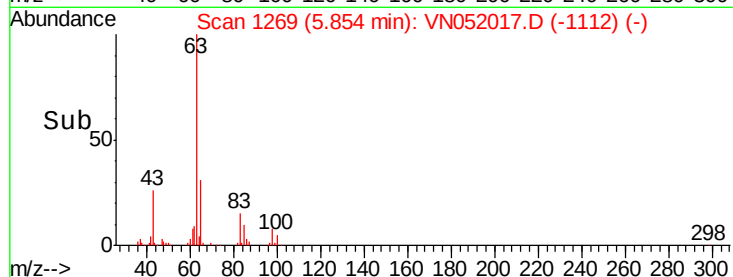
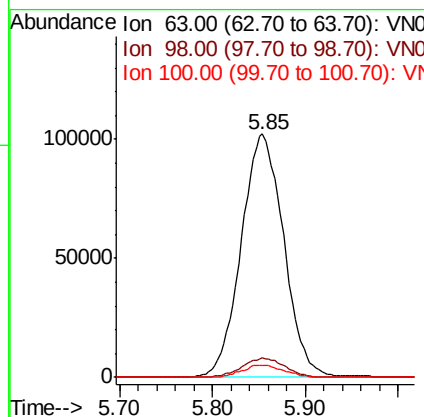
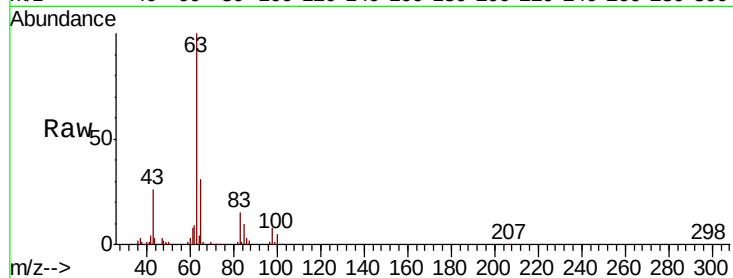
ClientSampleId :

VSTDCCC020EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 63    | Resp: | 325368 |
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 98        | 7.8   | 4.1   | 12.3   |
| 100       | 5.0   | 1.6   | 4.7#   |

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#22

cis-1,2-Dichloroethene

Concen: 22.071 ug/l

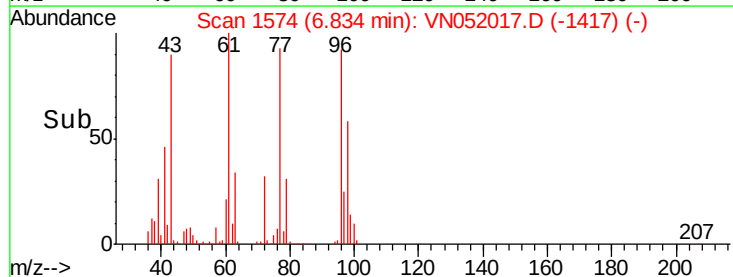
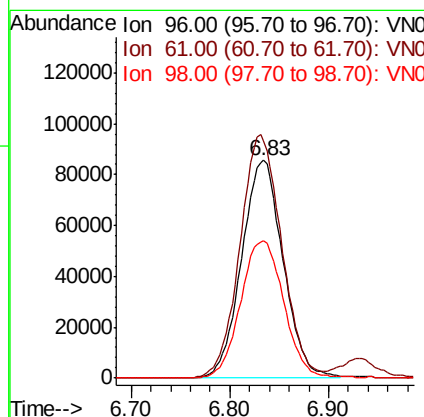
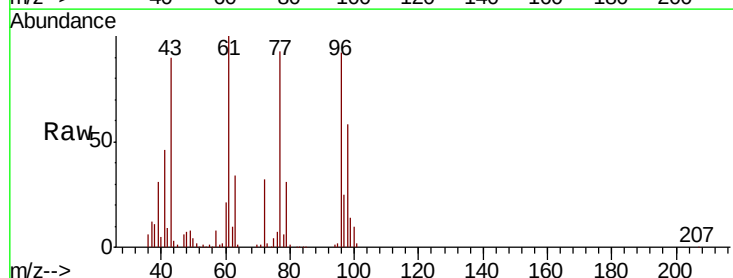
RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

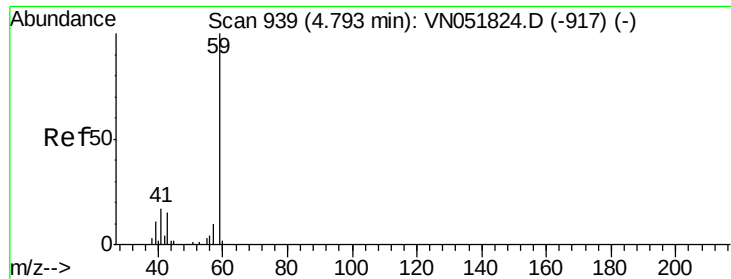
Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 249759 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 112.4 | 124.5 | 186.7# |
| 98        | 65.5  | 51.9  | 77.9   |







#23

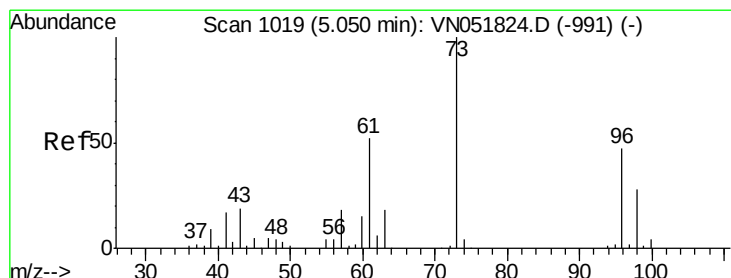
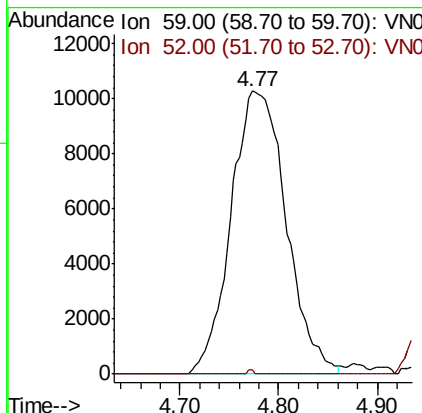
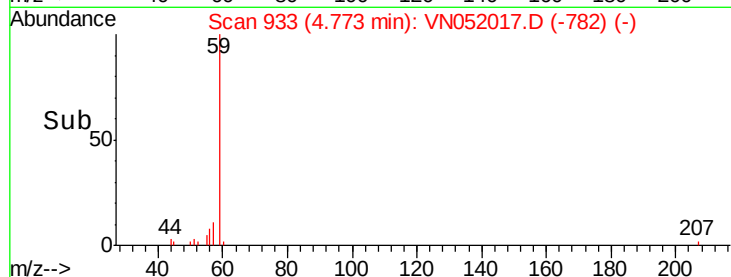
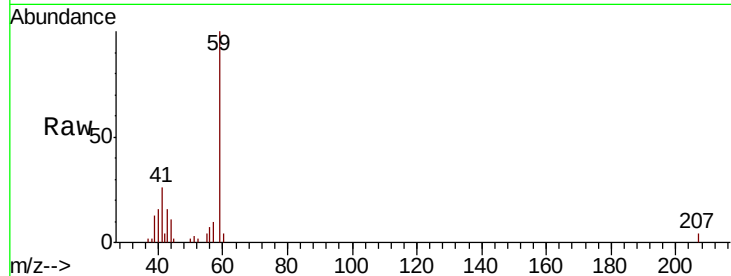
tert-Butyl Alcohol  
Concen: 64.586 ug/l  
RT: 4.77 min Scan# 933  
Delta R.T. -0.02 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 59      | 100 |       | 39832 |       |       |
| 52      | 0.2 |       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

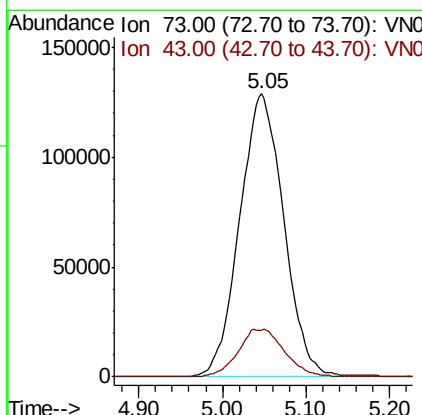
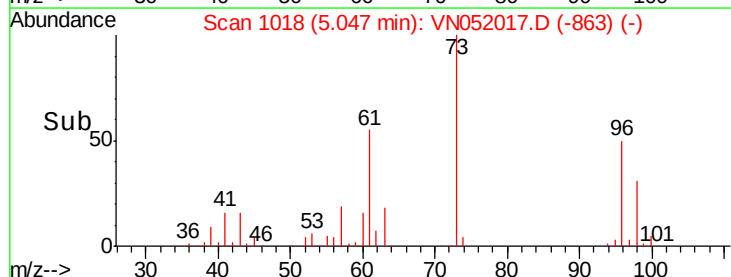
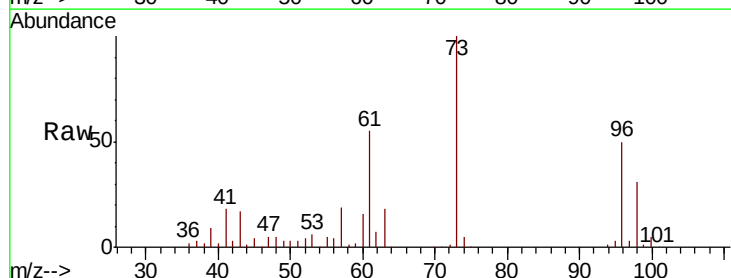
MMDadoda  
10/26/2018 9:20:14 AM

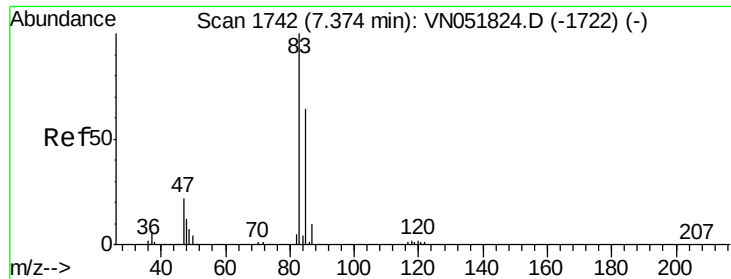


#24

Methyl tert-Butyl Ether  
Concen: 19.416 ug/l m  
RT: 5.05 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 73      | 100 |       | 471995 |       |       |
| 43      | 0.0 |       | 5.4    | 8.0   |       |





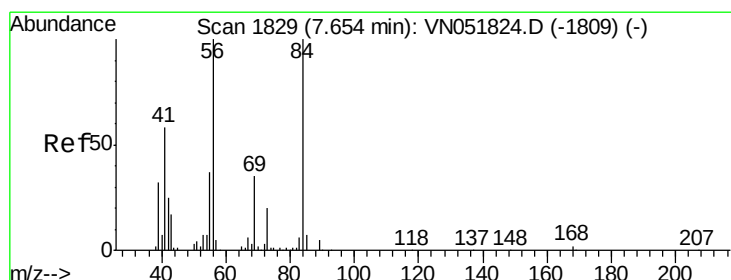
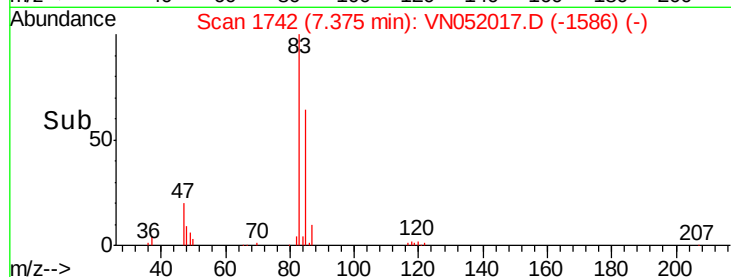
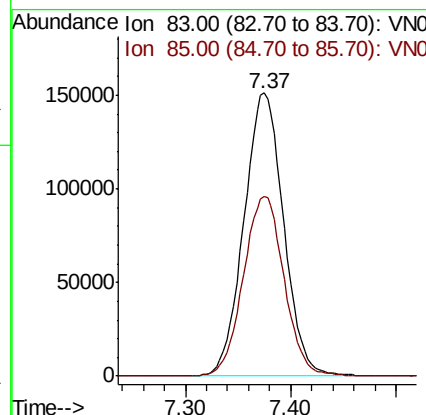
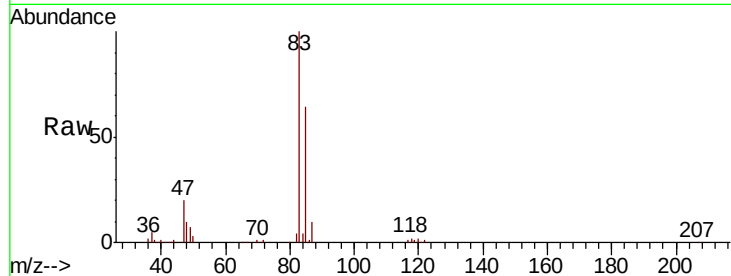
#25  
Chloroform  
Concen: 21.410 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion   | 83   | Resp  | 395952 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 63.7 | 54.6  | 82.0   |

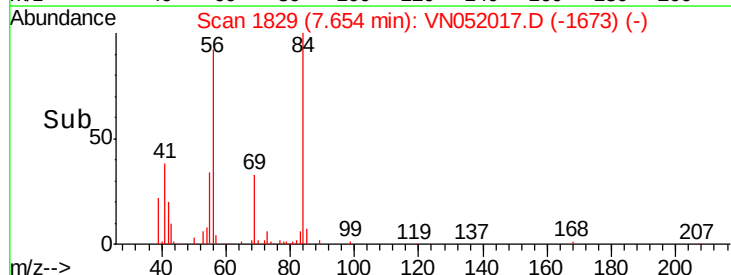
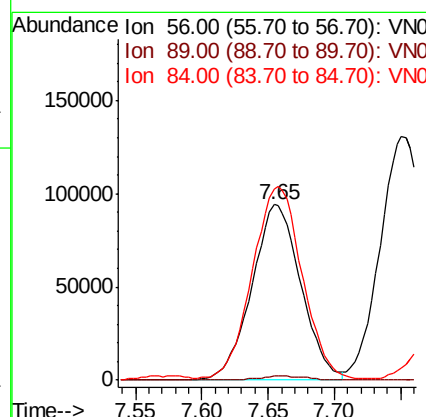
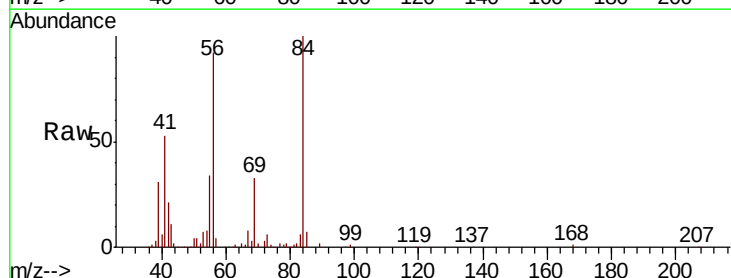
Manual Integrations  
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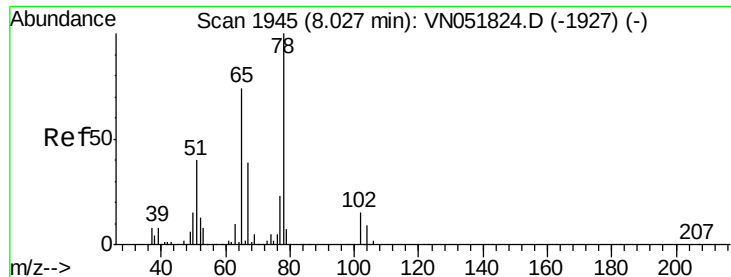
MMDadoda  
10/26/2018 9:20:14 AM



#26  
Cyclohexane  
Concen: 18.419 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion   | 56    | Resp  | 243425 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 56        | 100   |       |        |
| 89        | 1.1   | 1.5   | 2.3#   |
| 84        | 110.7 | 64.2  | 96.4#  |





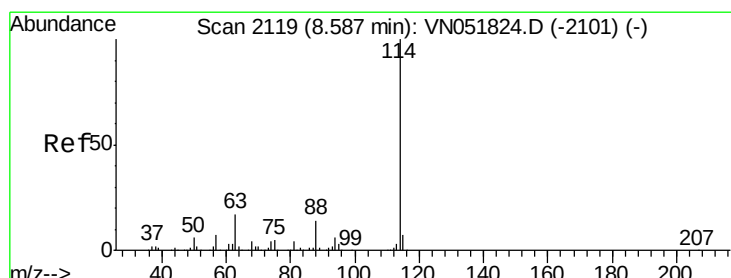
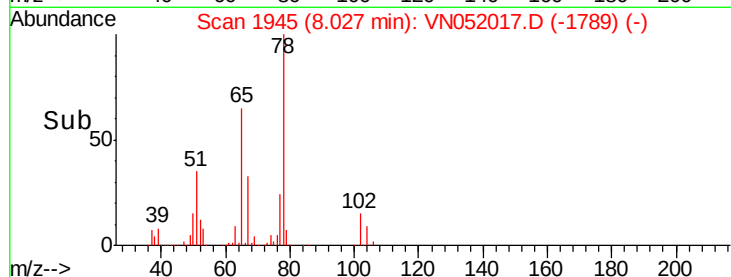
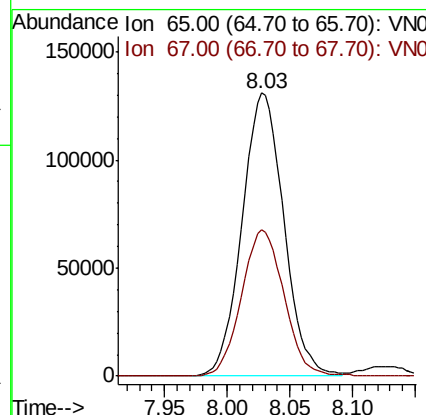
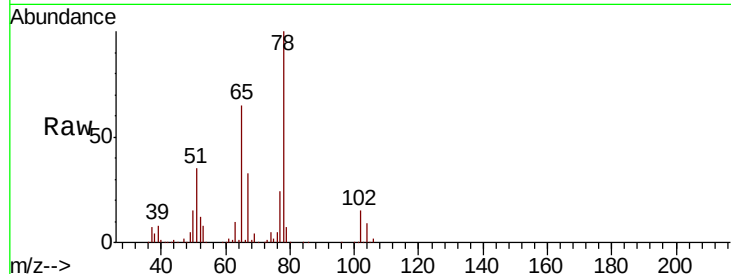
#27  
 1,2-Dichloroethane-d4  
 Concen: 18.419 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.4  | 41.8  | 62.8  |

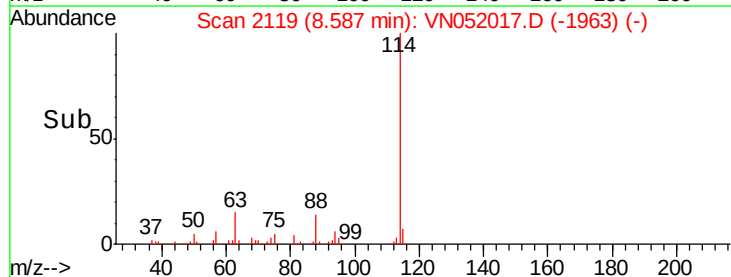
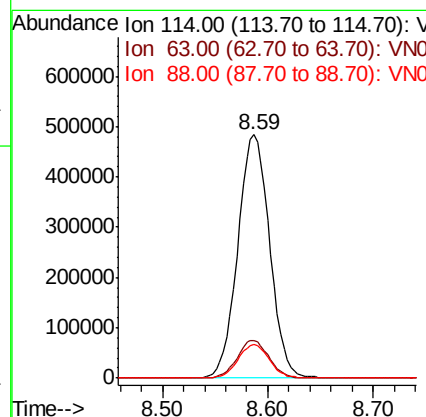
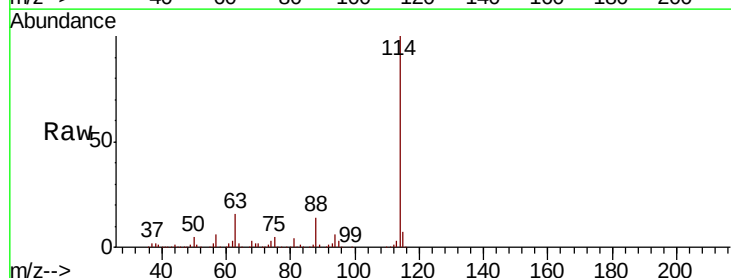
Manual Integrations  
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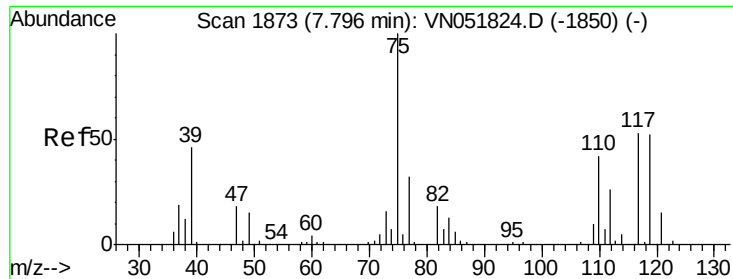
MMDadoda  
 10/26/2018 9:20:14 AM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 15.4  | 16.2  | 24.2# |
| 88      | 13.7  | 12.2  | 18.4  |





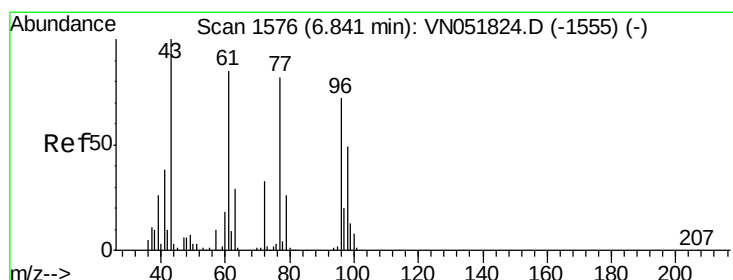
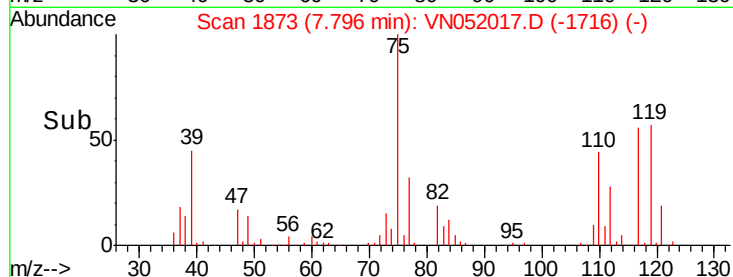
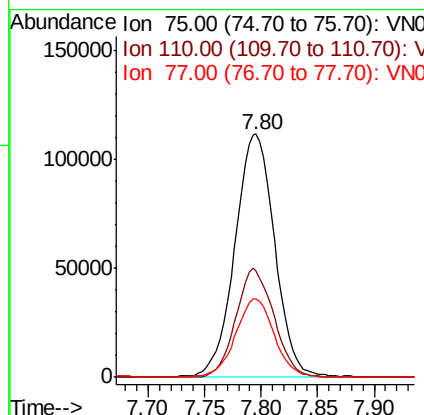
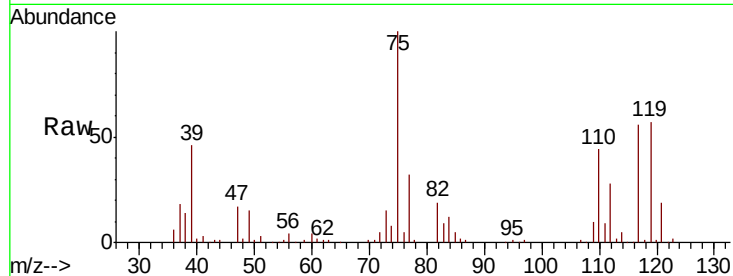
#29  
 1,1-Dichloropropene  
 Concen: 20.924 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 42.7  | 0.0  | 70.8  |       |
| 77      | 31.5  | 0.0  | 61.6  |       |

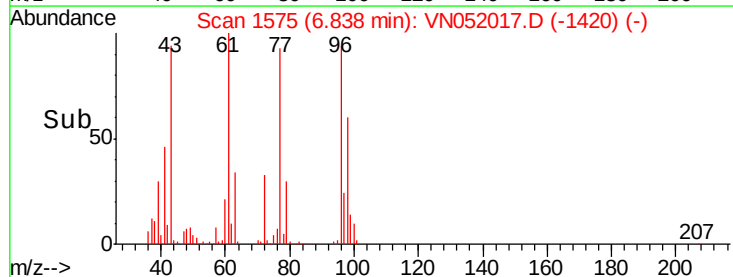
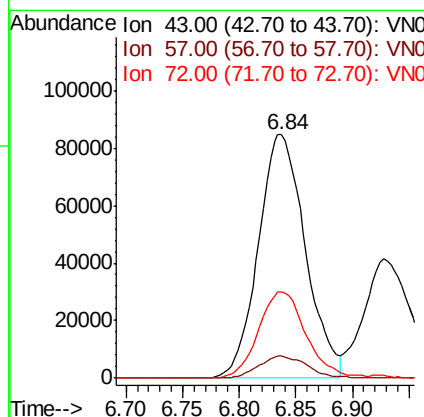
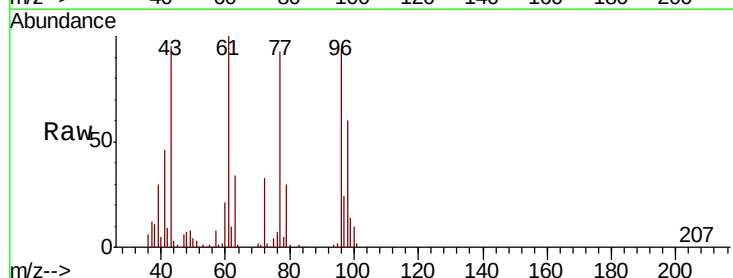
Manual Integrations  
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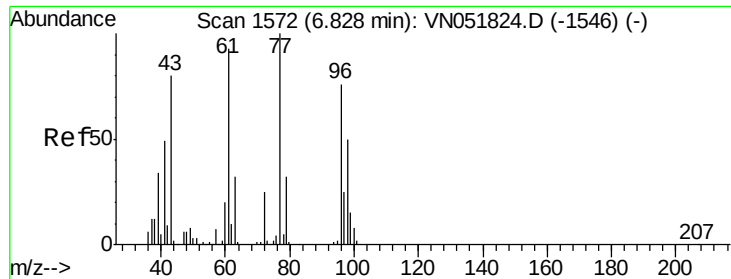
MMDadoda  
 10/26/2018 9:20:14 AM



#30  
 2-Butanone  
 Concen: 89.466 ug/l  
 RT: 6.84 min Scan# 1575  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 57      | 9.2   | 4.5  | 6.7#  |       |
| 72      | 35.3  | 21.5 | 32.3# |       |





#31

2,2-Dichloropropane

Concen: 18.743 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 288136

Ion Ratio Lower Upper

77 100

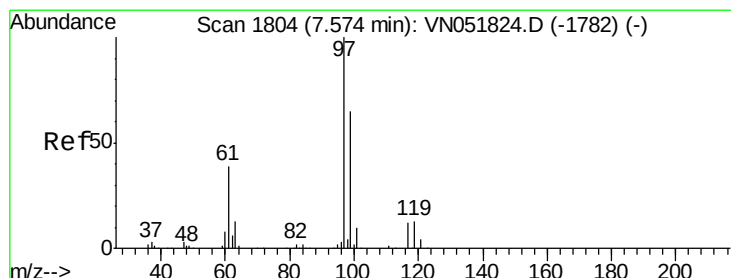
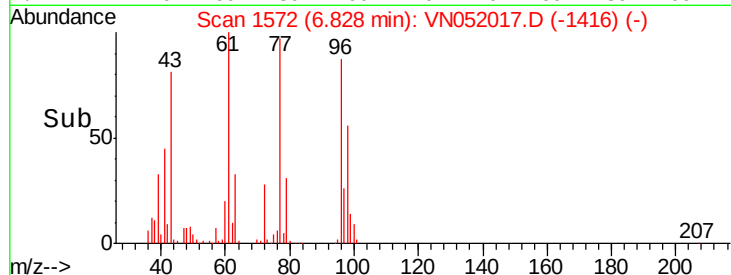
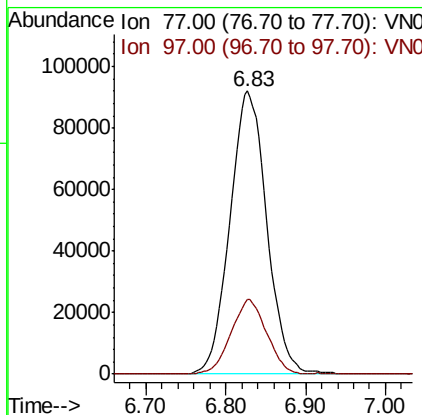
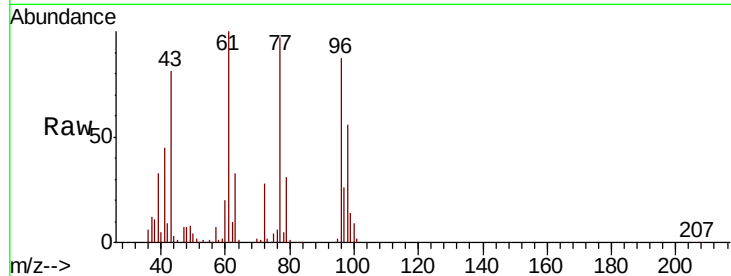
97 25.4 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.864 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

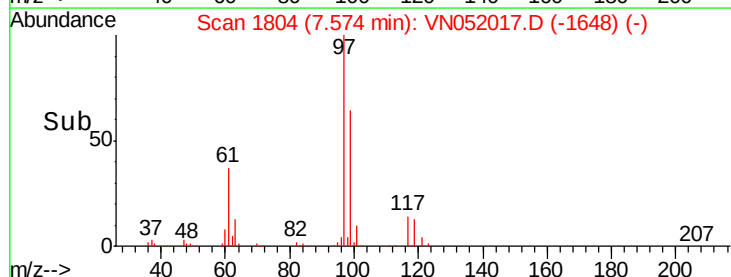
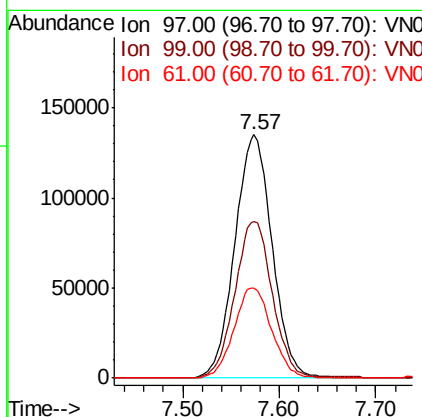
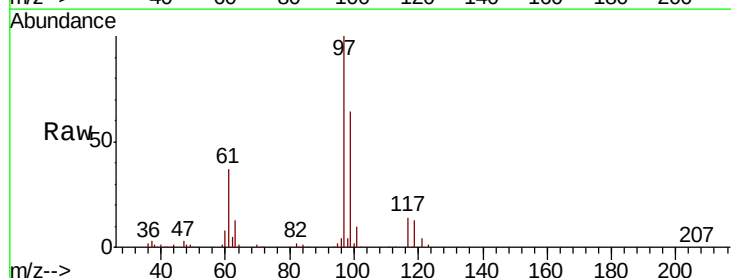
Tgt Ion: 97 Resp: 361485

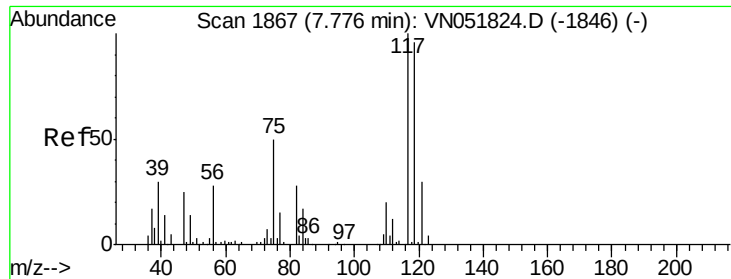
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 37.6 37.4 56.0





#33

Carbon Tetrachloride

Concen: 20.538 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

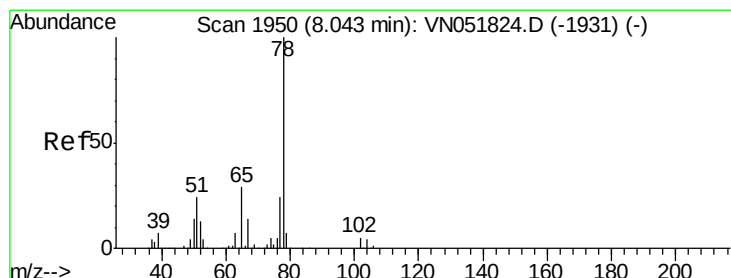
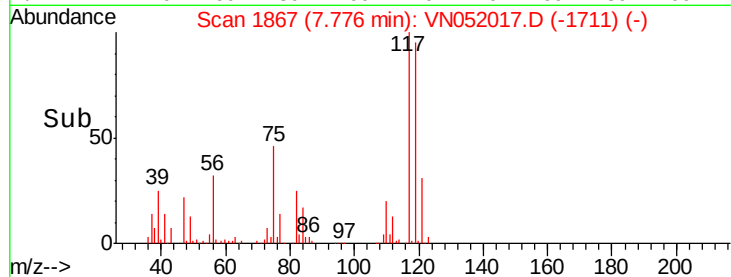
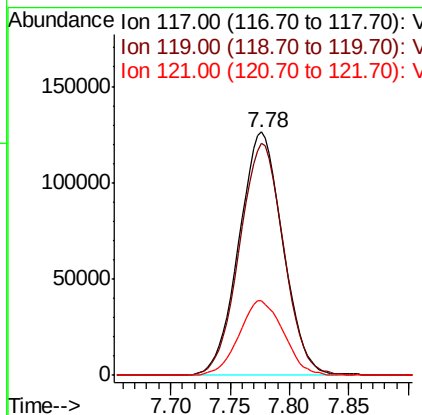
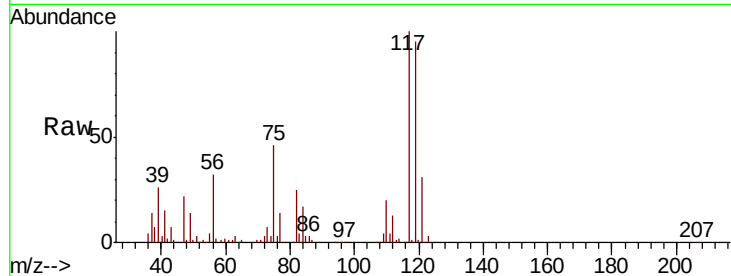
ClientSampleId :

VSTDCCC020EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 321938 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.1  | 85.1  | 127.7  |
| 121       | 30.7  | 24.2  | 36.2   |

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#34

Benzene

Concen: 21.545 ug/l

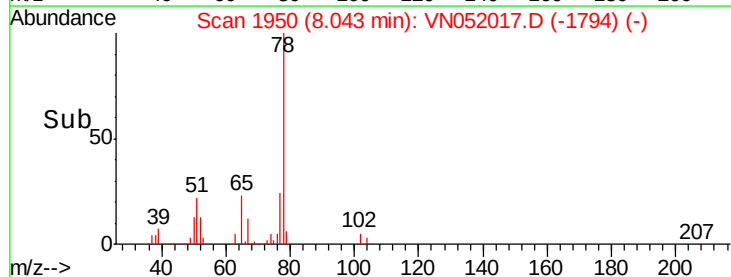
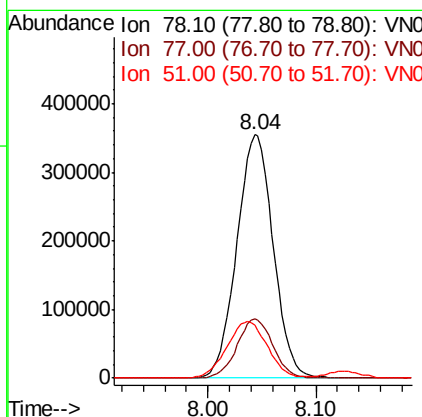
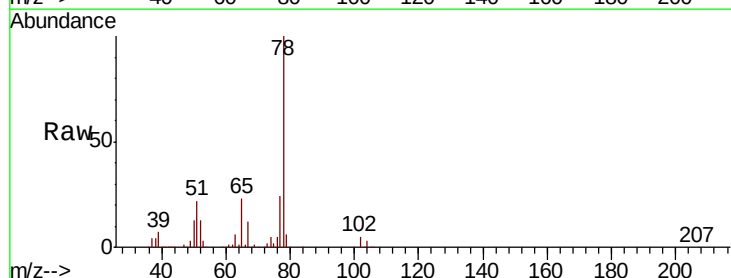
RT: 8.04 min Scan# 1950

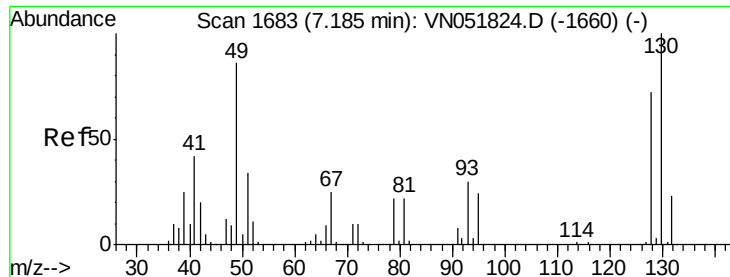
Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 78    | Resp: | 832819 |
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 24.5  | 18.8  | 28.2   |
| 51        | 21.4  | 46.2  | 69.4#  |





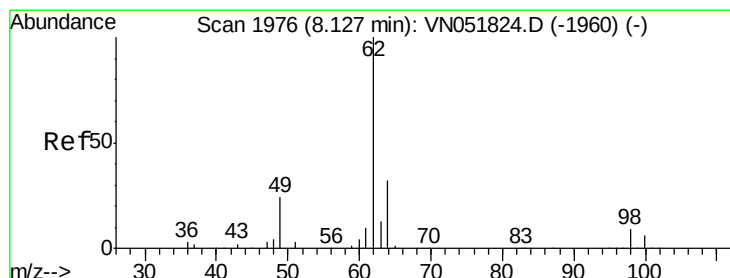
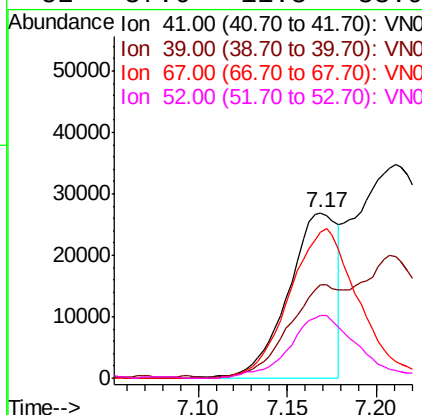
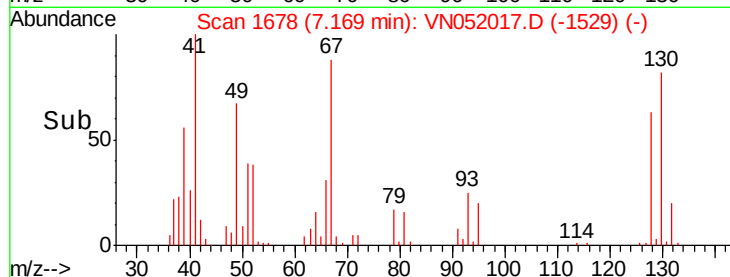
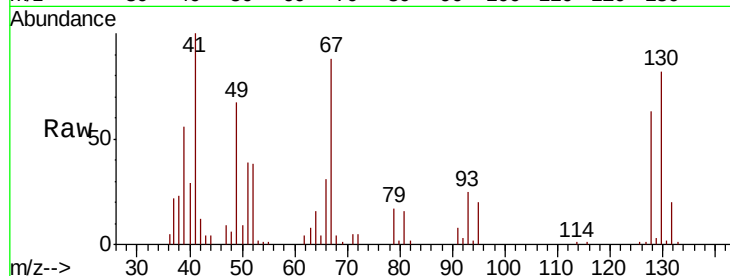
#35  
Methacrylonitrile  
Concen: 14.298 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. -0.02 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 55.0  | 22.6  | 67.7  |
| 67      | 87.9  | 28.9  | 86.8# |
| 52      | 37.6  | 11.3  | 33.9# |

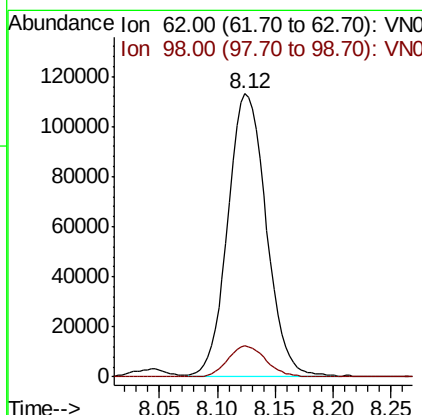
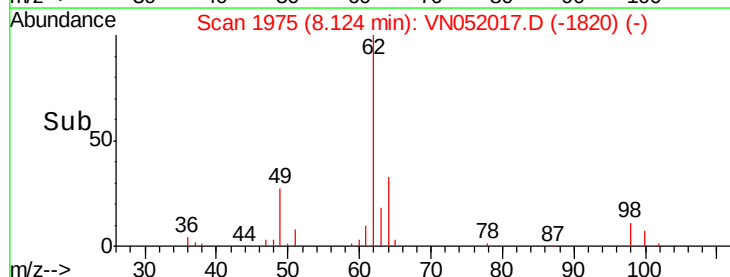
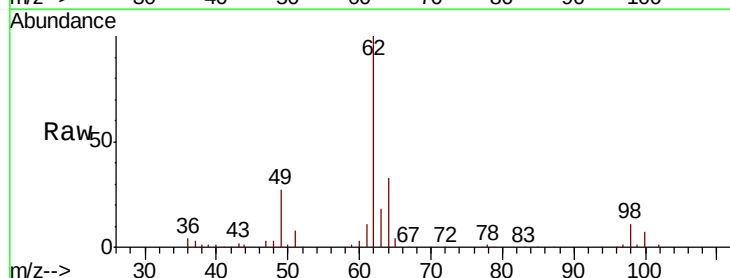
Manual Integrations  
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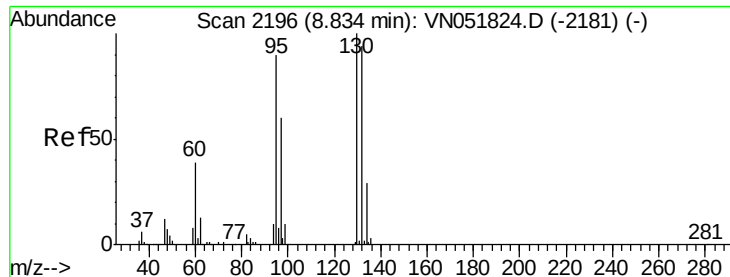
MMDadoda  
10/26/2018 9:20:14 AM



#36  
1,2-Dichloroethane  
Concen: 21.003 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.9  | 6.9   | 10.3# |





#37

Trichloroethene

Concen: 22.493 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 269907

Ion Ratio Lower Upper

130 100

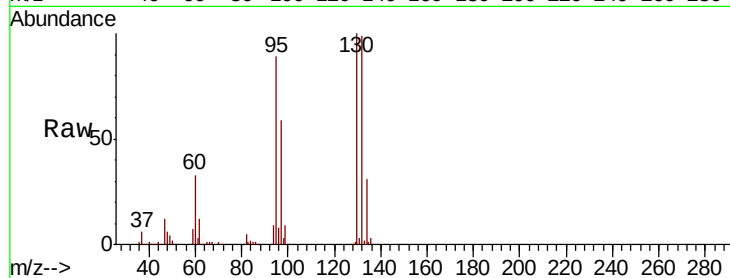
95 89.4 76.4 114.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN051824.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN051824.D (-2181) (-)

8.84

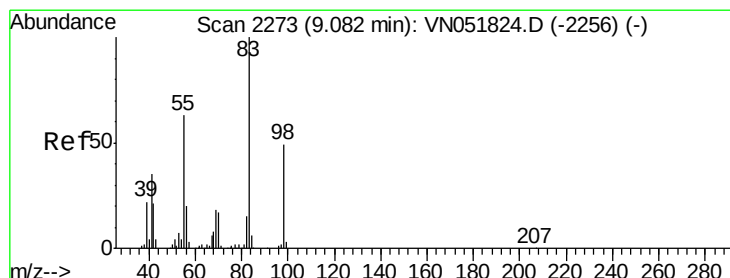
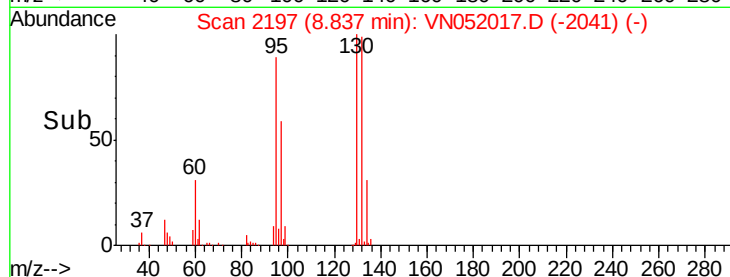
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 19.194 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

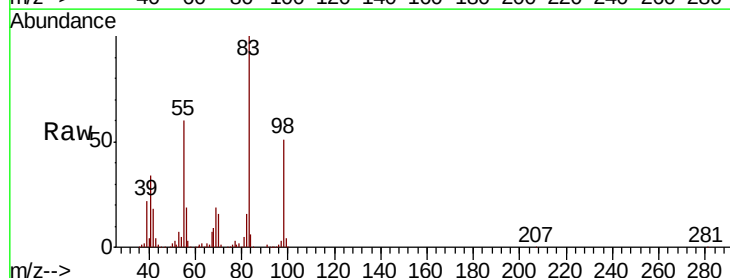
Tgt Ion: 83 Resp: 321706

Ion Ratio Lower Upper

83 100

55 60.7 43.0 129.2

98 50.3 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2256) (-)

Ion 55.00 (54.70 to 55.70): VN051824.D (-2256) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-2256) (-)

9.08

200000

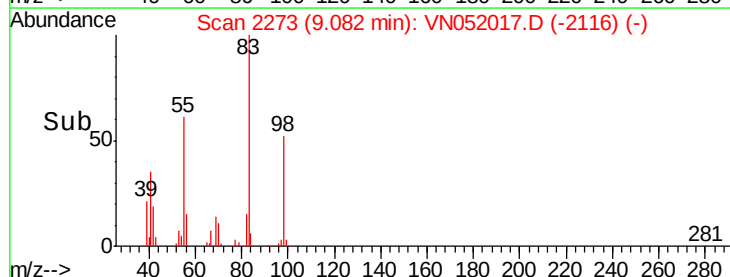
150000

100000

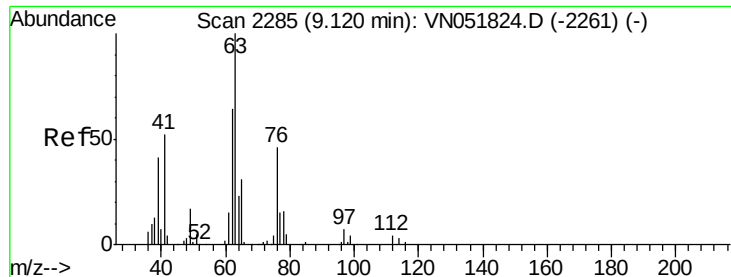
50000

0

Time-->







#39

1,2-Dichloropropane

Concen: 20.937 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 190593

Ion Ratio Lower Upper

63 100

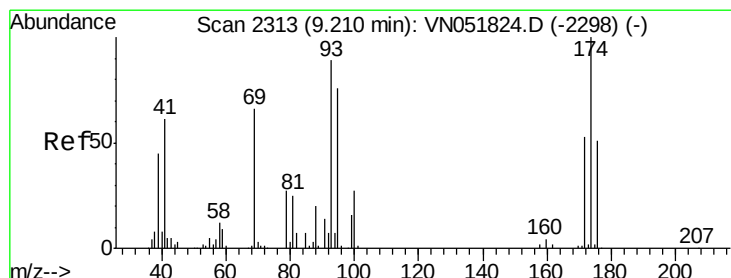
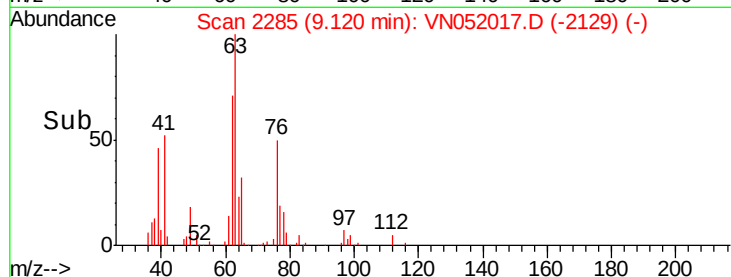
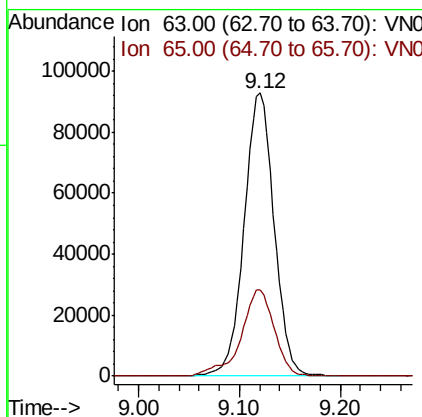
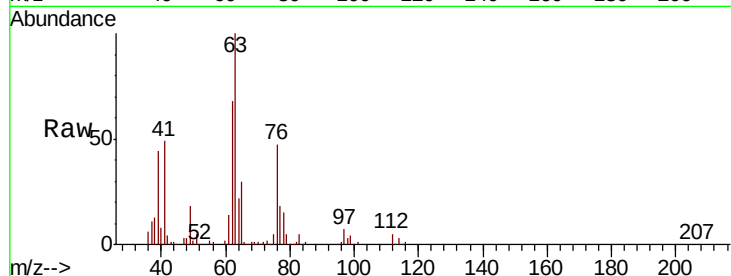
65 30.4 23.2 34.8

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#40

Dibromomethane

Concen: 21.613 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

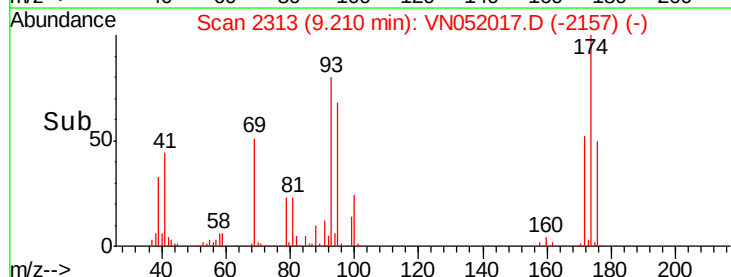
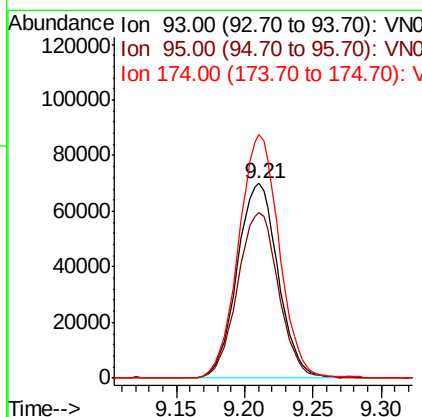
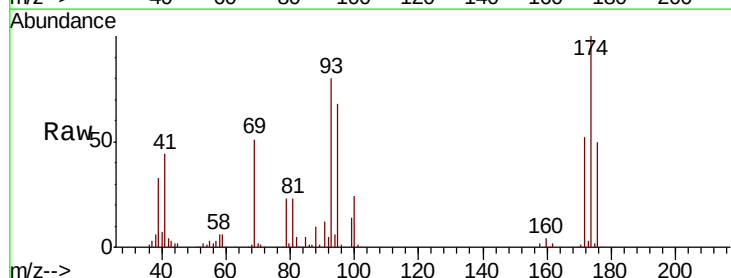
Tgt Ion: 93 Resp: 146026

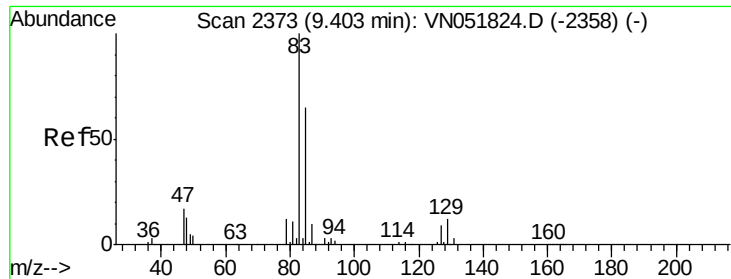
Ion Ratio Lower Upper

93 100

95 85.2 0.0 162.0

174 123.3 0.0 214.0





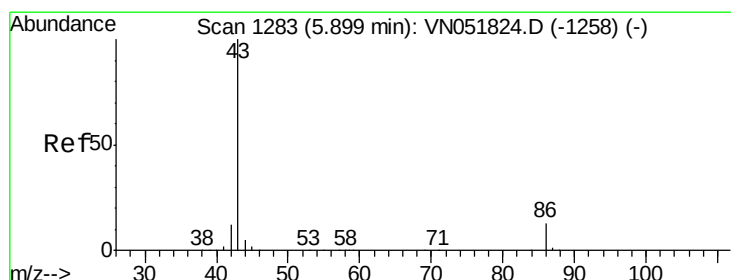
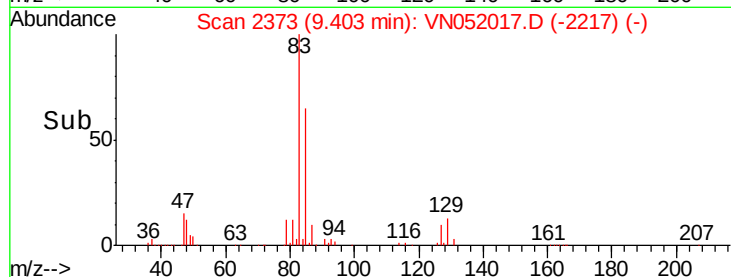
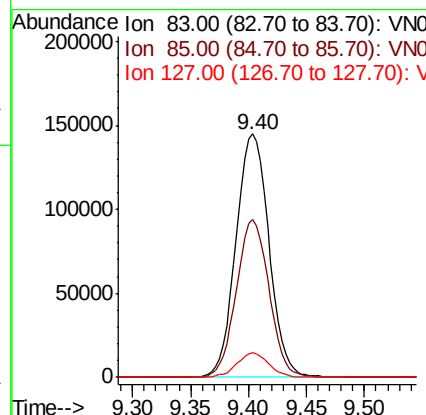
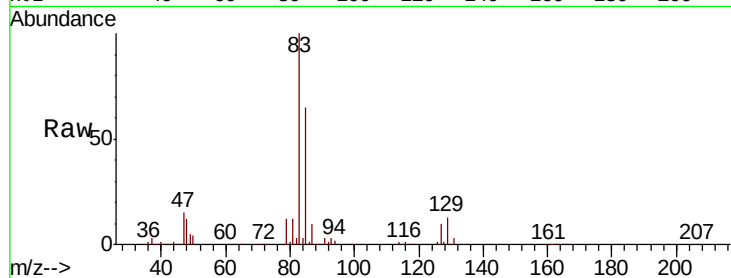
#41  
Bromodichloromethane  
Concen: 20.540 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion   | 83   | Resp  | 286643 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 64.8 | 55.7  | 83.5   |
| 127       | 10.0 | 8.2   | 12.4   |

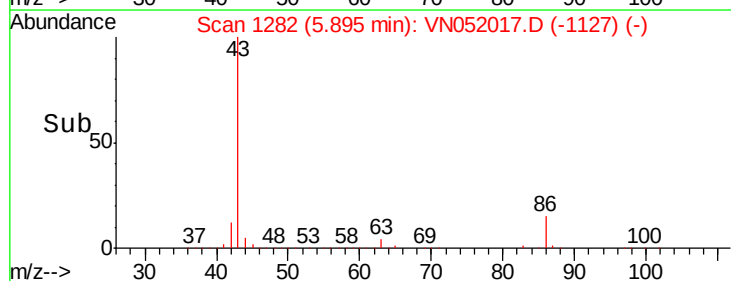
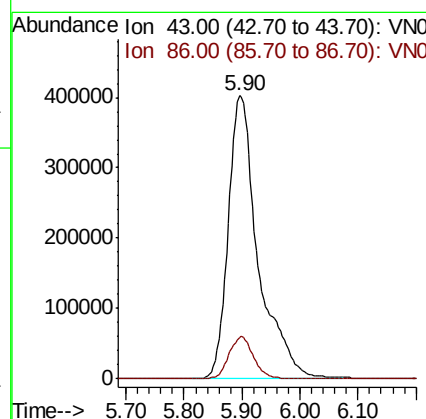
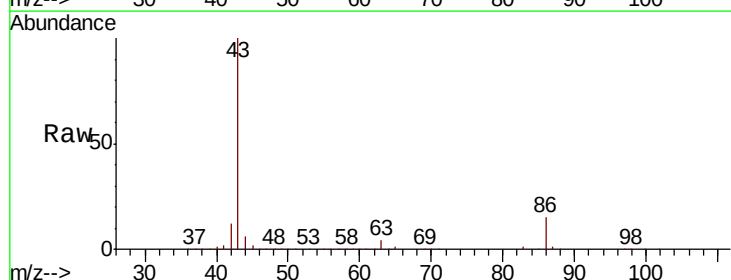
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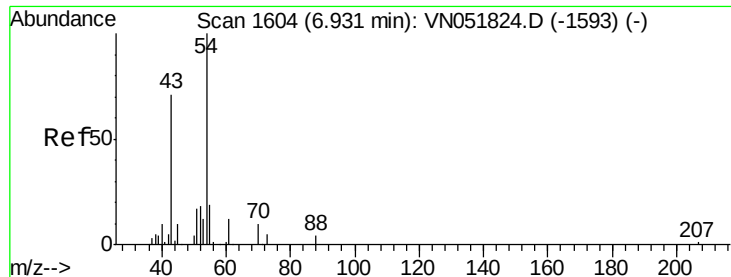
MMDadoda  
10/26/2018 9:20:14 AM



#42  
Vinyl Acetate  
Concen: 94.243 ug/l  
RT: 5.90 min Scan# 1282  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion   | 43   | Resp  | 1449067 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 43        | 100  |       |         |
| 86        | 12.3 | 6.5   | 9.7#    |





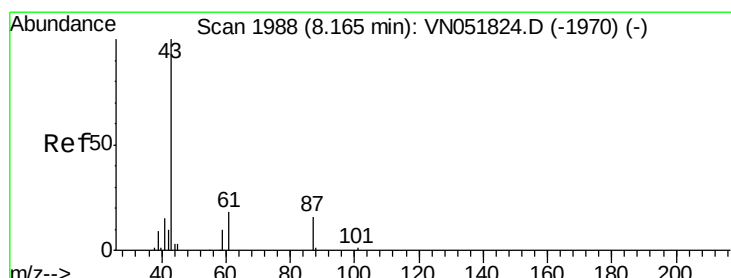
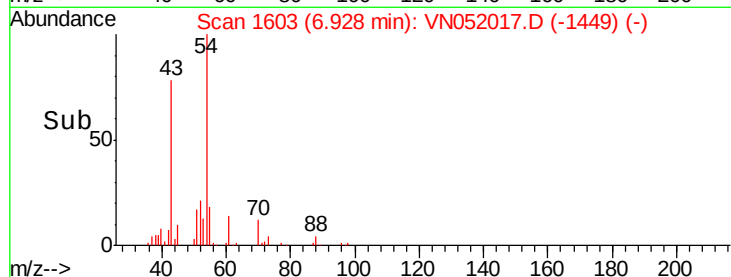
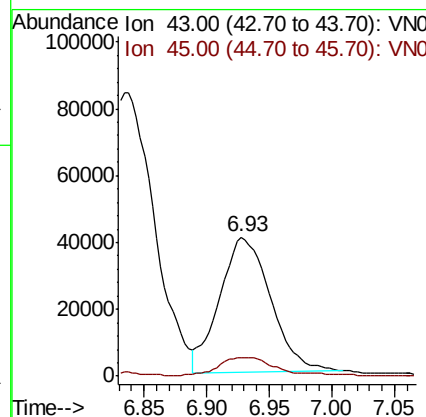
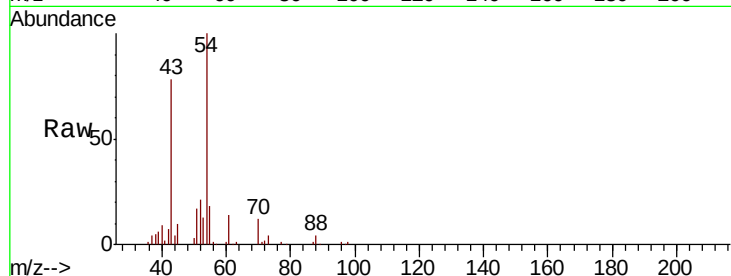
#43  
Ethyl Acetate  
Concen: 19.250 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. -0.01 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | 43   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 114166  | 100  |       |       |       |
| 45      | 13.2 | 11.0  | 16.6  |       |

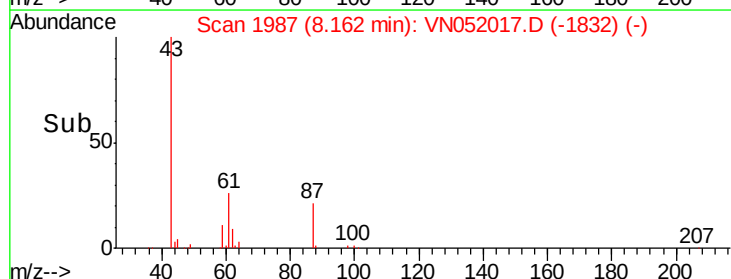
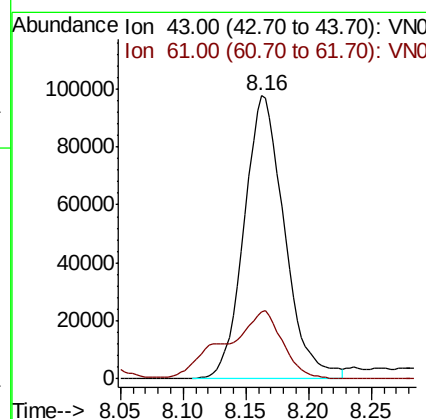
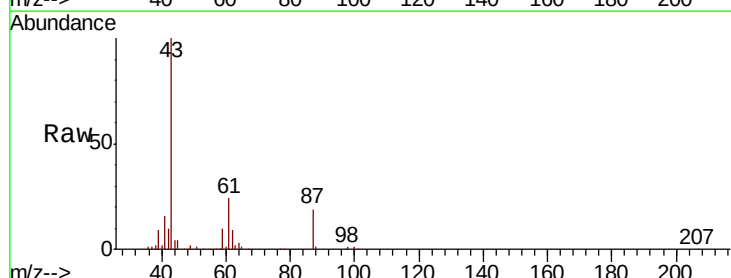
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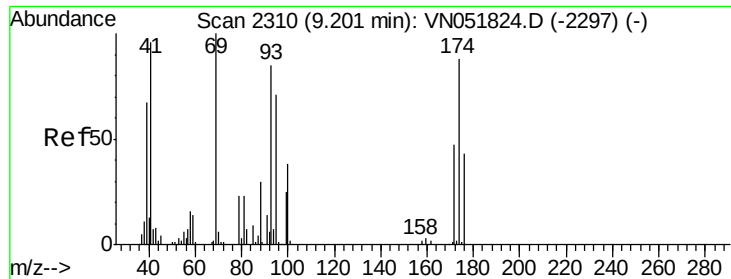
MMDadoda  
10/26/2018 9:20:14 AM



#44  
Isopropyl Acetate  
Concen: 18.309 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | 43   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 216898  | 100  |       |       |       |
| 61      | 22.3 | 15.9  | 23.9  |       |





#45

1,4-Dioxane

Concen: 270.355 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

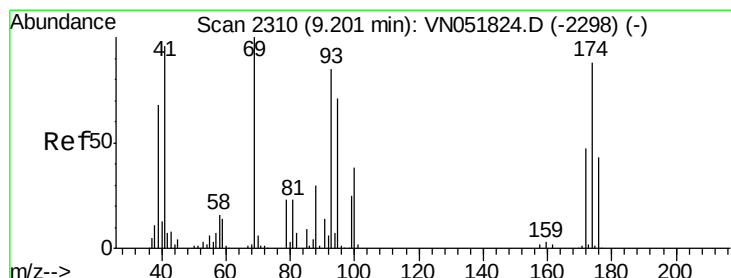
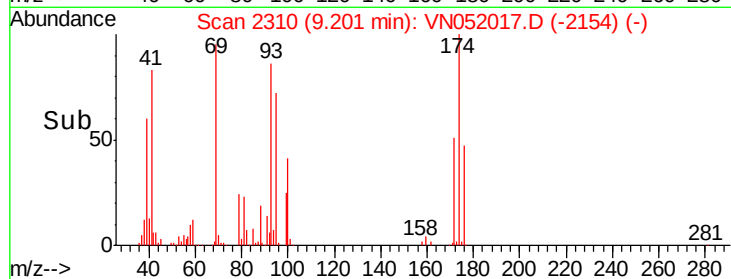
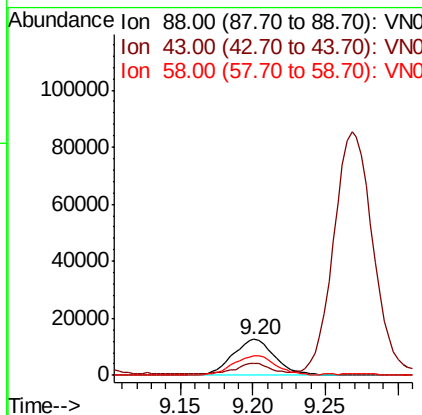
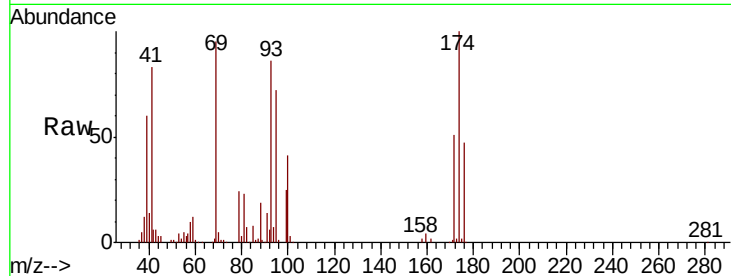
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 25716 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 24.7  | 26.2  | 39.2# |
| 58       | 54.9  | 65.6  | 98.4# |

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#46

Methyl methacrylate

Concen: 18.738 ug/l

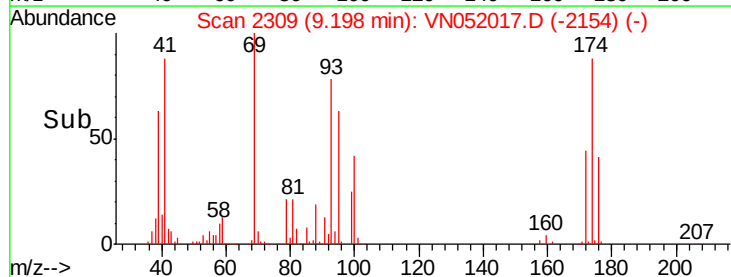
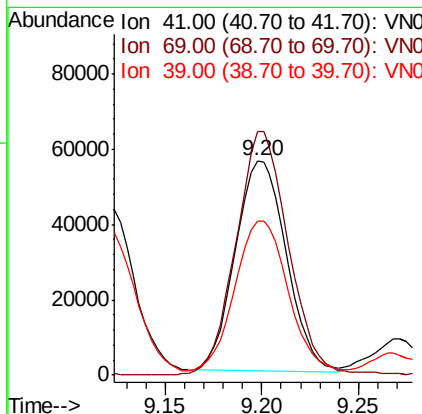
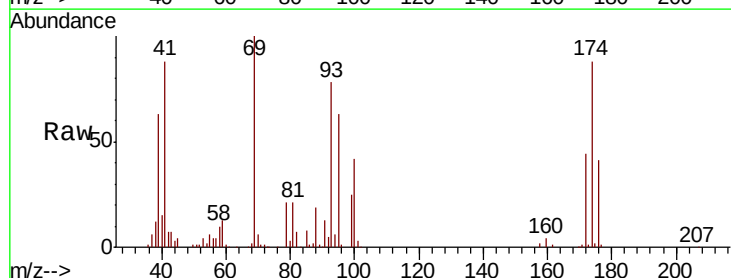
RT: 9.20 min Scan# 2309

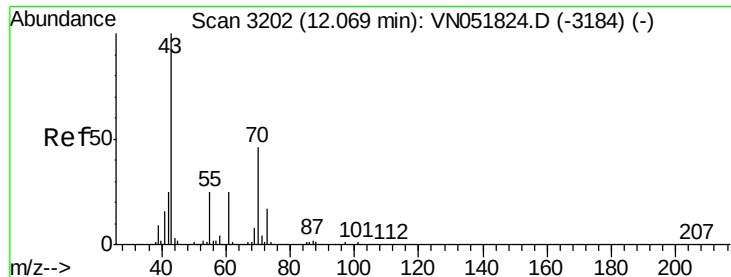
Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 102387 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 115.2 | 40.7  | 122.1  |
| 39       | 71.2  | 27.3  | 81.9   |





#47

n-amyl Acetate

Concen: 19.070 ug/l m

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 189110

Ion Ratio Lower Upper

43 100

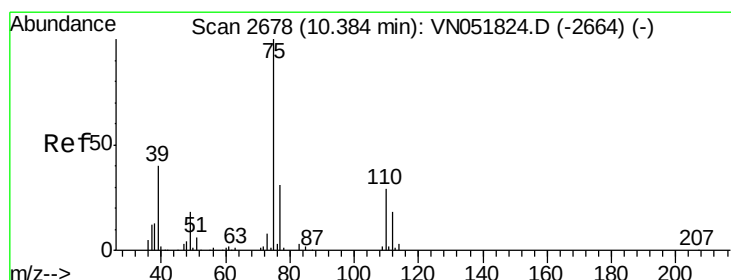
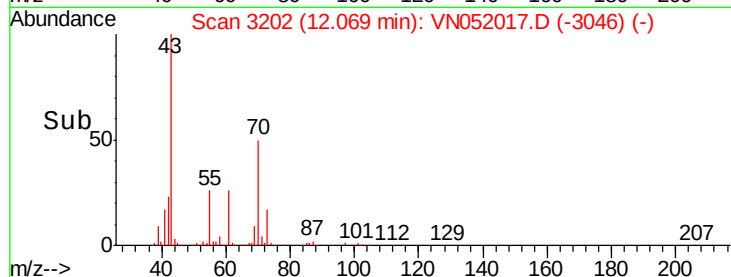
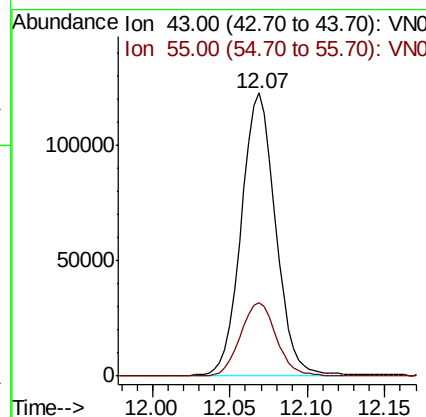
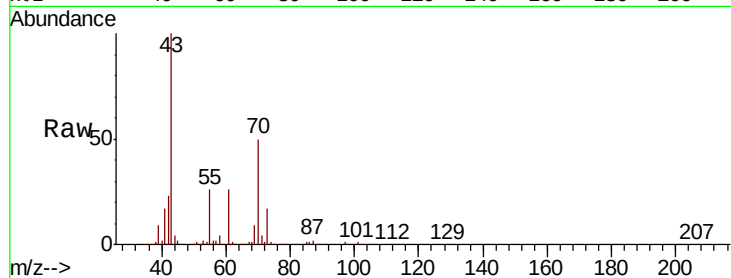
55 0.0 12.2 18.4#

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.527 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052017.D

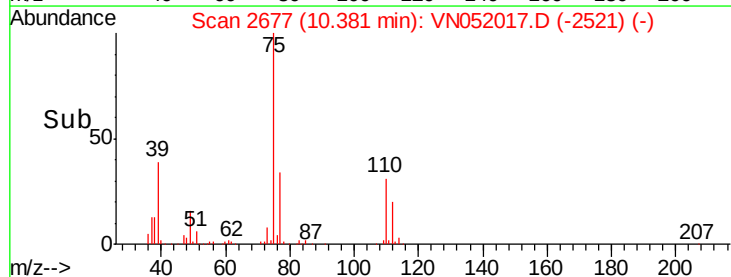
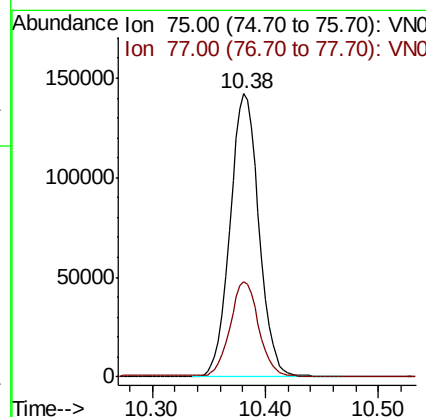
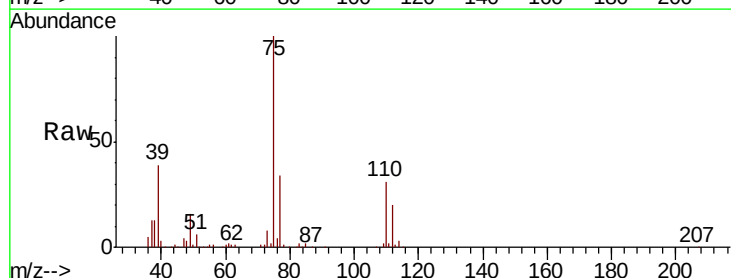
Acq: 25 Oct 2018 18:17

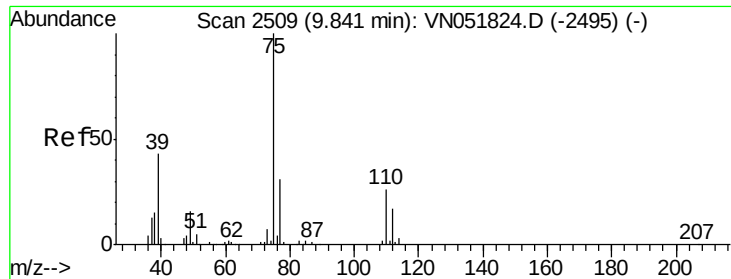
Tgt Ion: 75 Resp: 252127

Ion Ratio Lower Upper

75 100

77 33.6 24.6 37.0





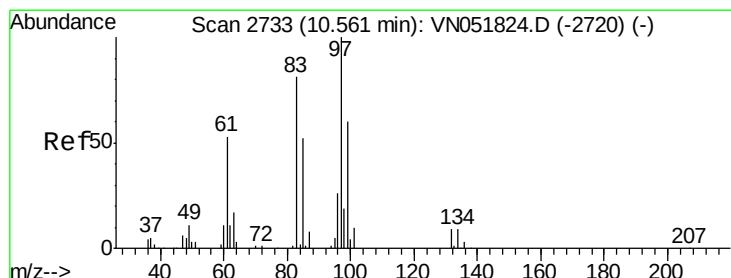
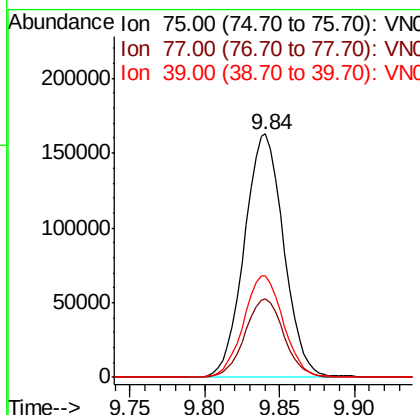
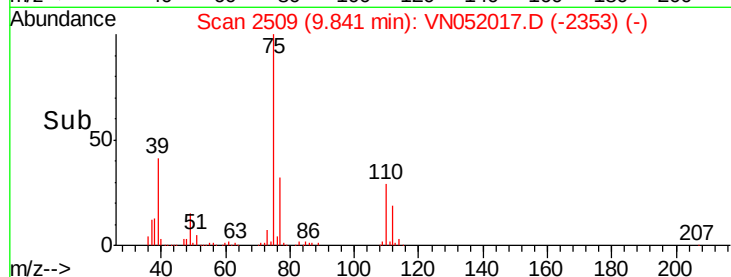
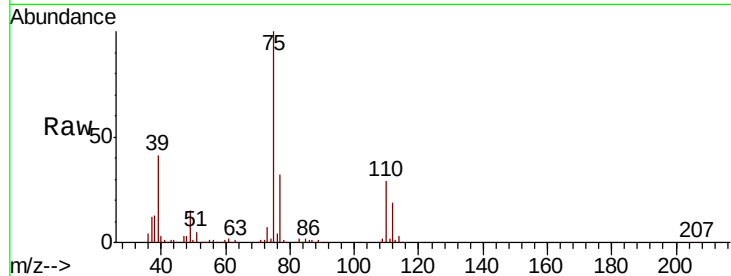
#49  
 cis-1,3-Dichloropropene  
 Concen: 19.903 ug/l  
 RT: 9.84 min Scan# 2509  
 Delta R.T. 0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.2  | 23.2  | 34.8  |
| 39      | 41.5  | 34.6  | 52.0  |

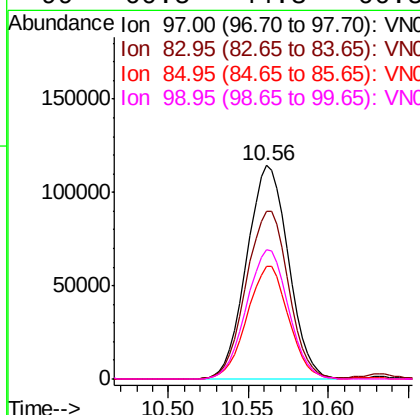
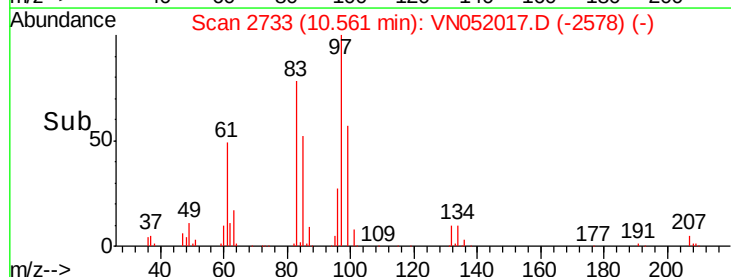
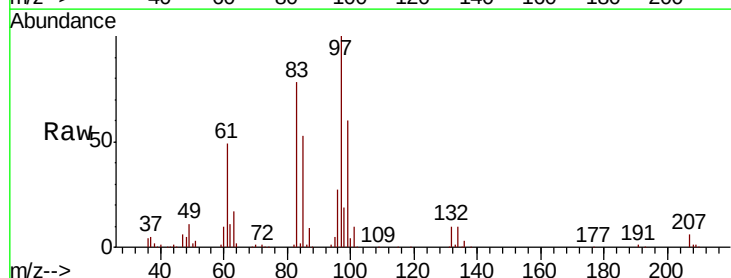
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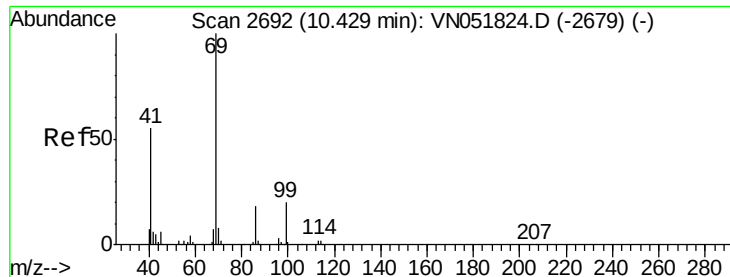
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#50  
 1,1,2-Trichloroethane  
 Concen: 21.899 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 78.3  | 68.2  | 102.4 |
| 85      | 52.6  | 42.5  | 63.7  |
| 99      | 60.5  | 44.3  | 66.5  |





#51

Ethyl methacrylate

Concen: 19.291 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

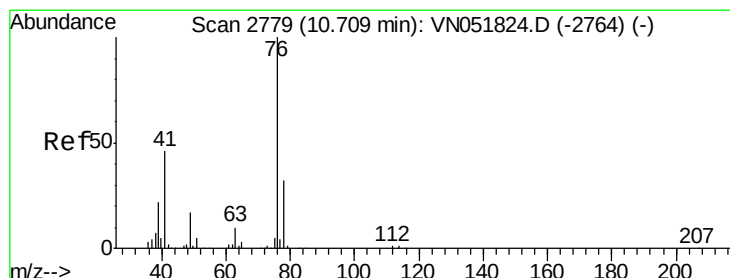
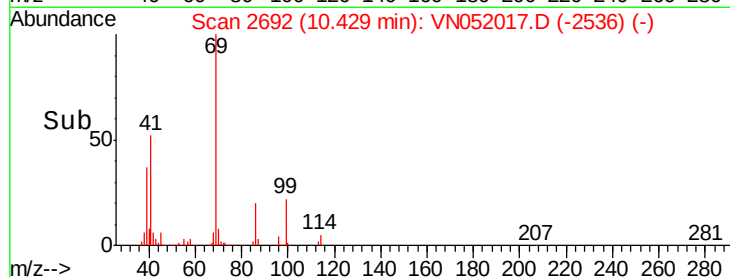
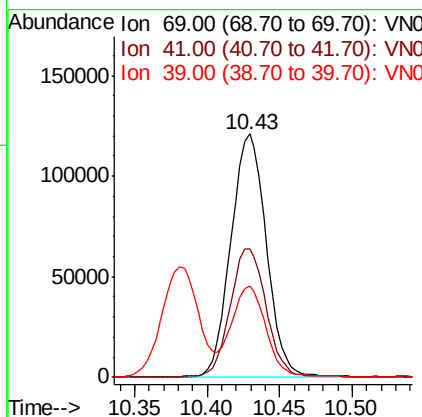
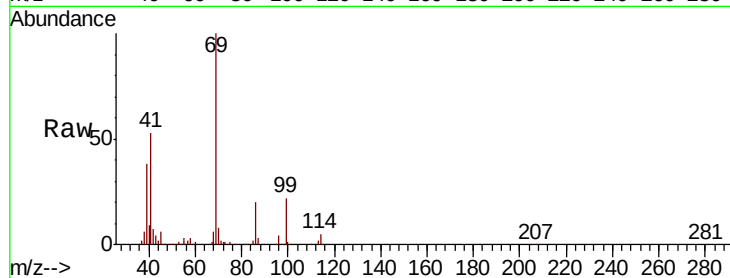
ClientSampleId :

VSTDCCC020EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 69    | Resp: | 206175 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 52.2  | 34.4  | 103.1  |
| 39       | 37.1  | 16.3  | 48.8   |

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#52

1,3-Dichloropropane

Concen: 21.426 ug/l

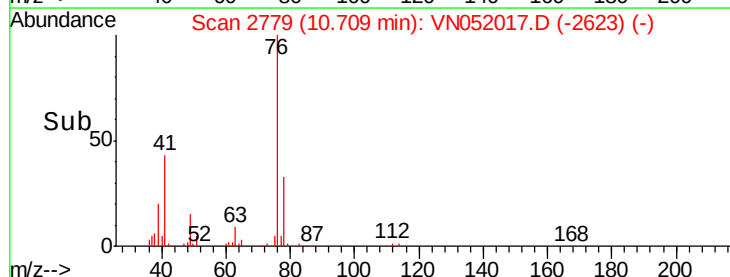
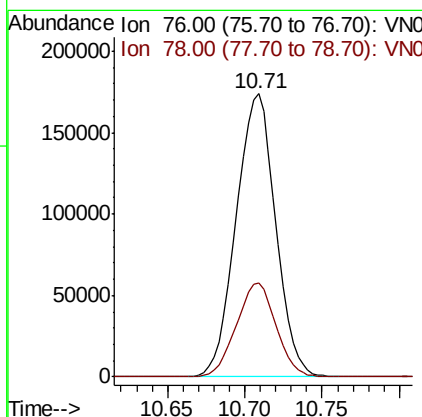
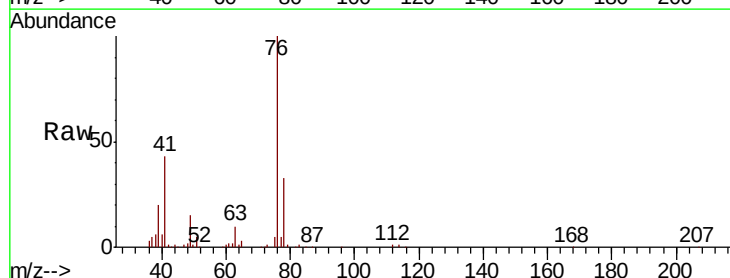
RT: 10.71 min Scan# 2779

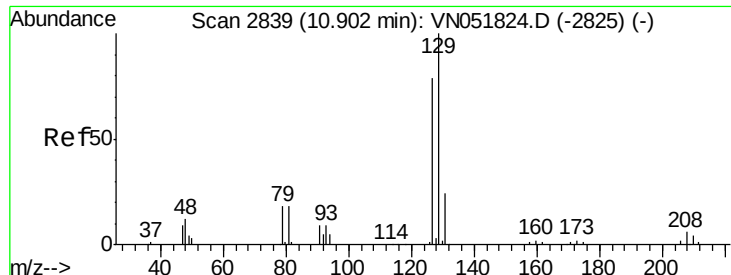
Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 308691 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 33.2  | 0.0   | 67.6   |





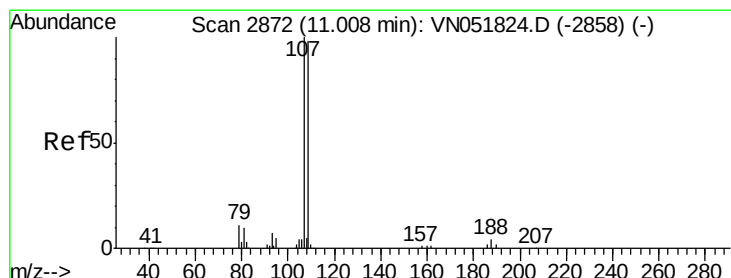
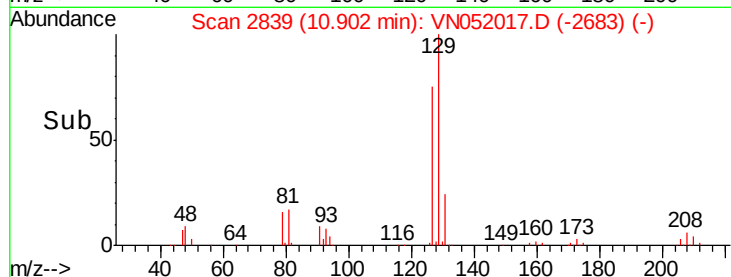
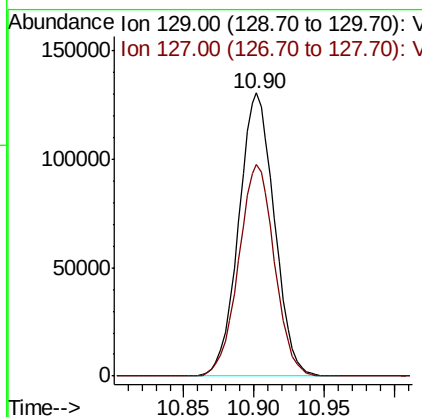
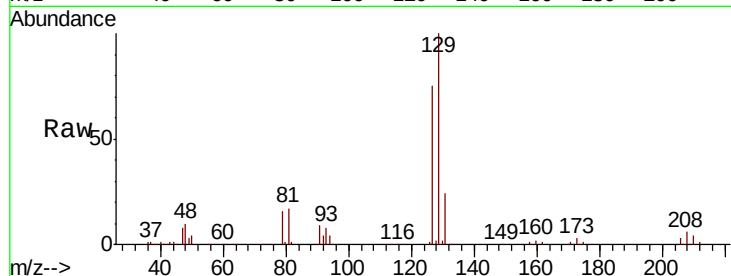
#53  
Dibromochloromethane  
Concen: 20.009 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tot Ion:129 Resp: 231073  
Ion Ratio Lower Upper  
129 100  
127 75.0 40.2 120.5

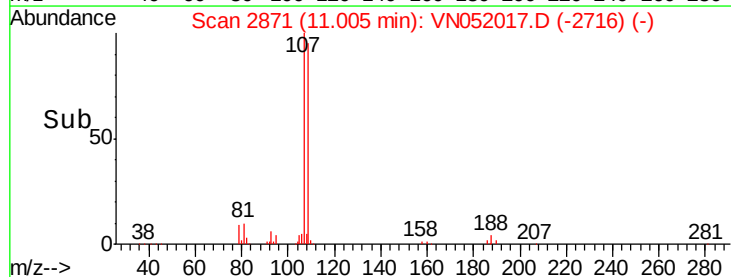
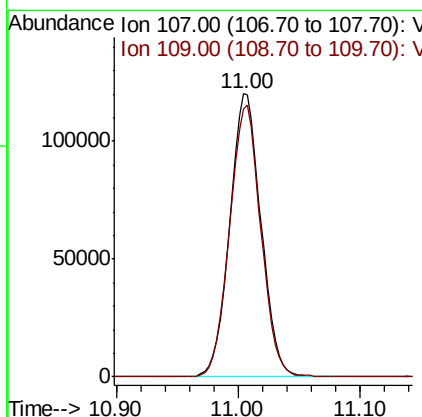
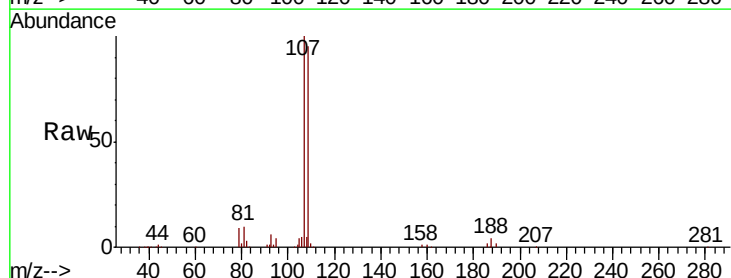
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10/26/2018 9:20:14 AM

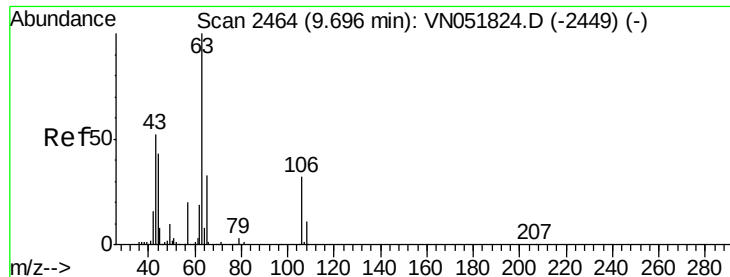


#54  
1,2-Dibromoethane  
Concen: 21.782 ug/l  
RT: 11.00 min Scan# 2871  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Tgt Ion:107 Resp: 213430  
Ion Ratio Lower Upper  
107 100  
109 96.2 77.4 116.0







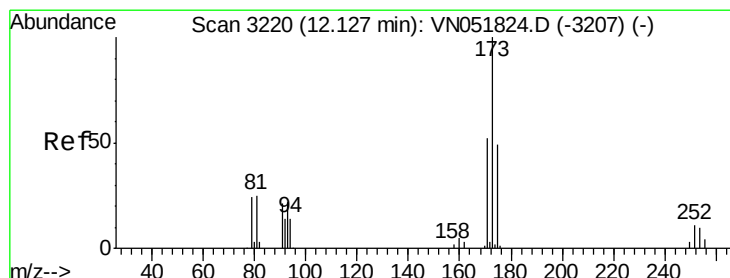
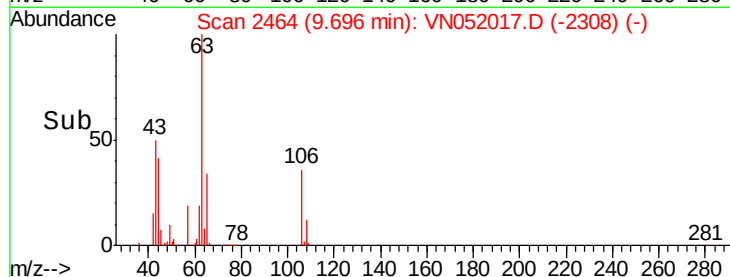
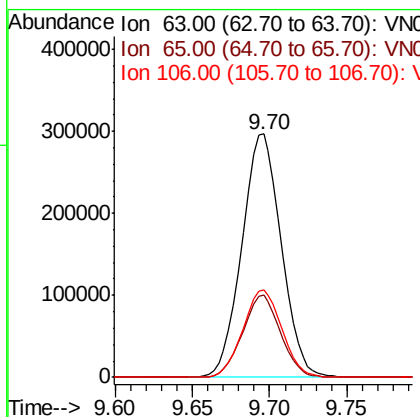
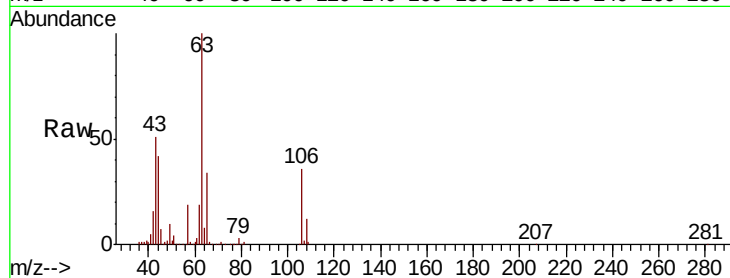
#55  
 2-Chloroethyl vinyl ether  
 Concen: 115.446 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.5  | 25.4  | 38.0  |
| 106     | 35.5  | 21.2  | 31.8  |

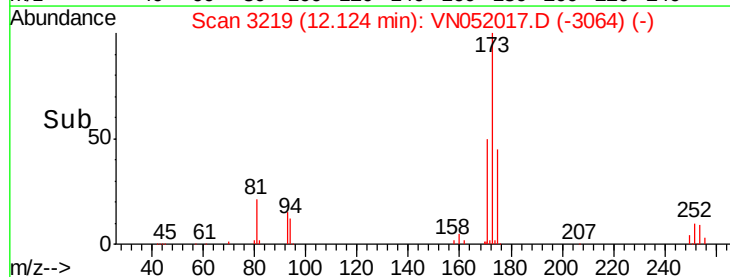
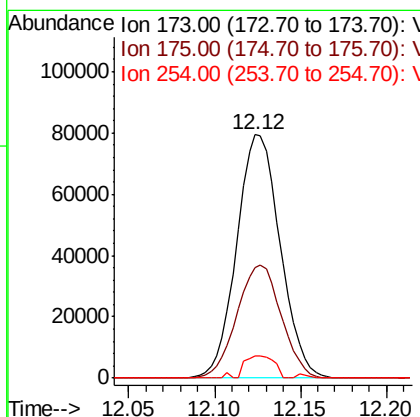
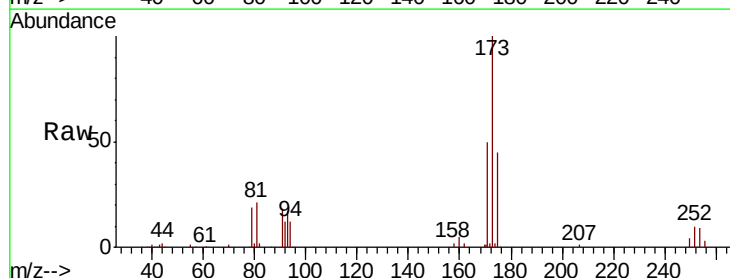
Manual Integrations  
 APPROVED

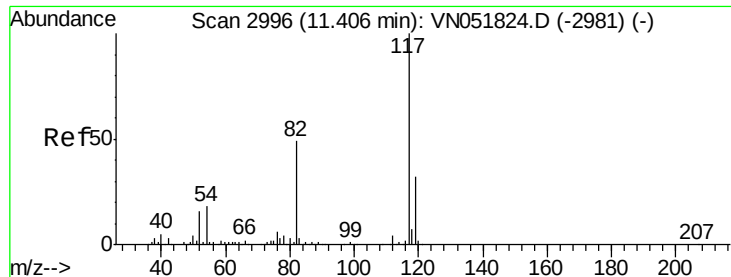
MMDadoda  
 10/26/2018 9:20:14 AM



#56  
 Bromoform  
 Concen: 18.338 ug/l  
 RT: 12.12 min Scan# 3219  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.3  | 35.8  | 53.8  |
| 254     | 6.1   | 8.6   | 13.0  |





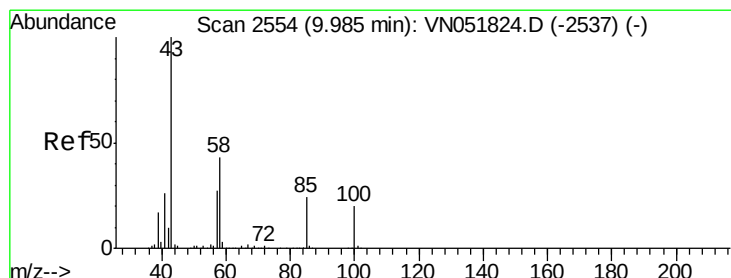
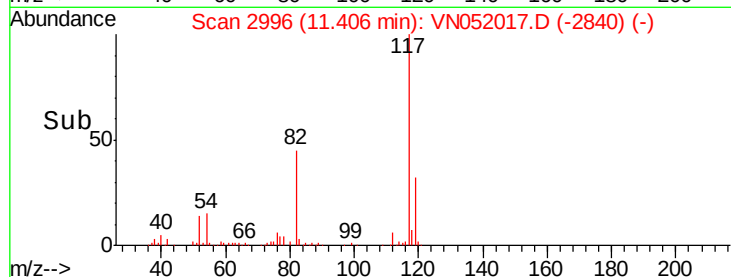
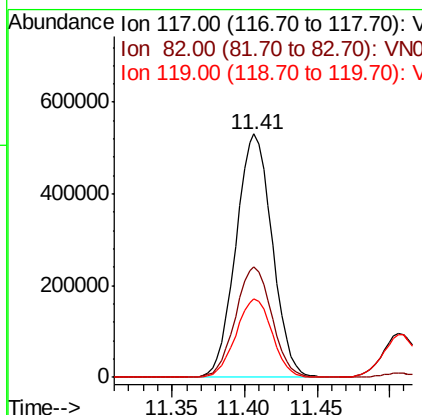
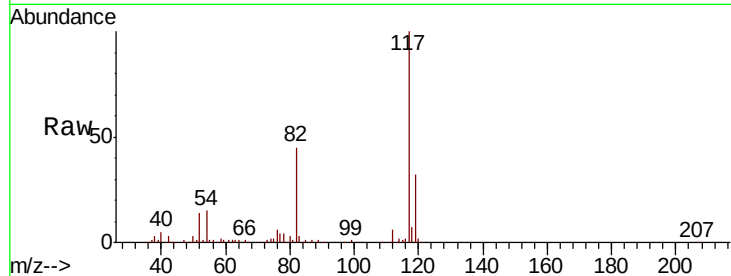
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 45.5  | 44.1  | 66.1  |
| 119     | 32.2  | 25.8  | 38.8  |

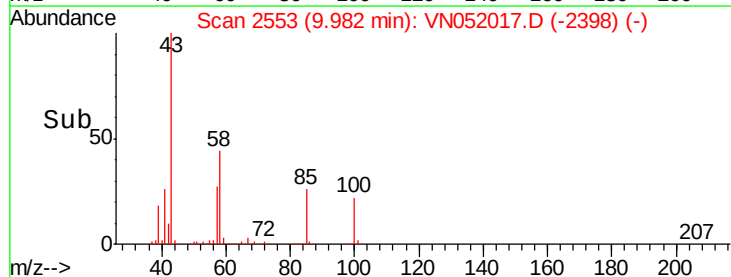
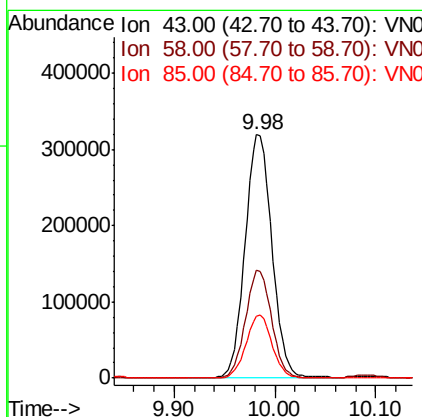
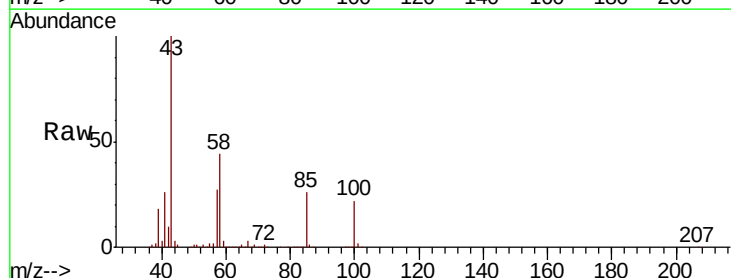
Manual Integrations  
APPROVED

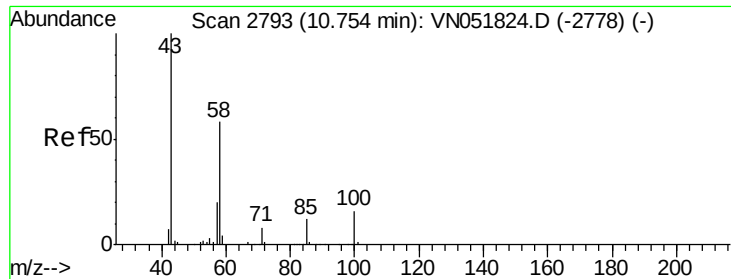
MMDadoda  
10/26/2018 9:20:14 AM



#58  
4-Methyl-2-Pentanone  
Concen: 94.535 ug/l  
RT: 9.98 min Scan# 2553  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 43.0  | 29.3  | 43.9  |
| 85      | 25.3  | 12.6  | 18.8  |





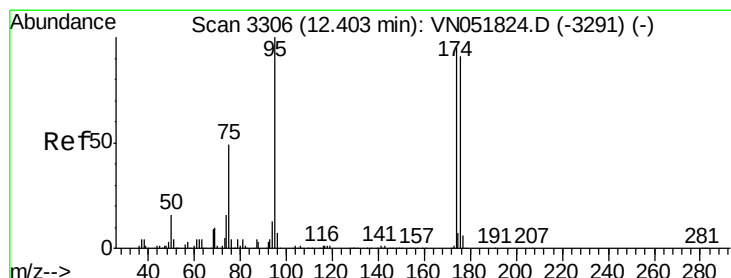
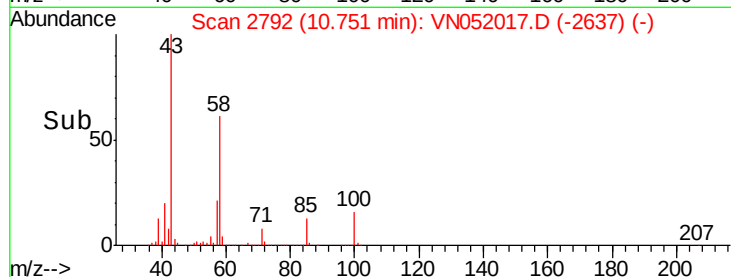
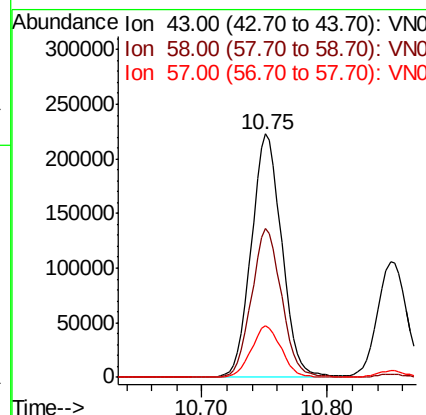
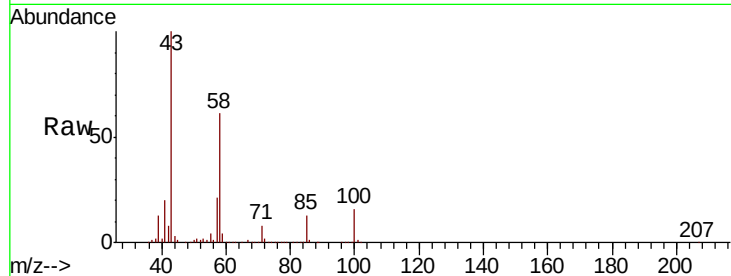
#59  
2-Hexanone  
Concen: 90.595 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 60.1  | 41.3  | 61.9  |
| 57      | 20.9  | 13.4  | 20.0  |

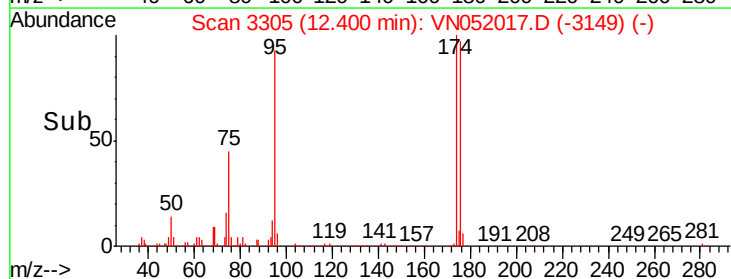
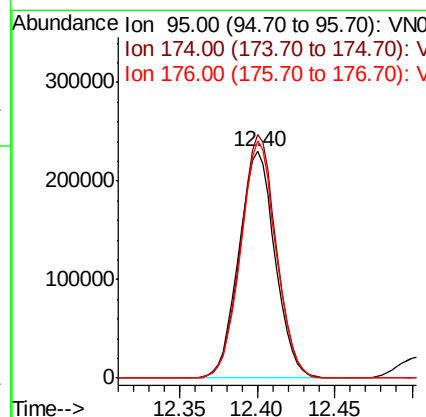
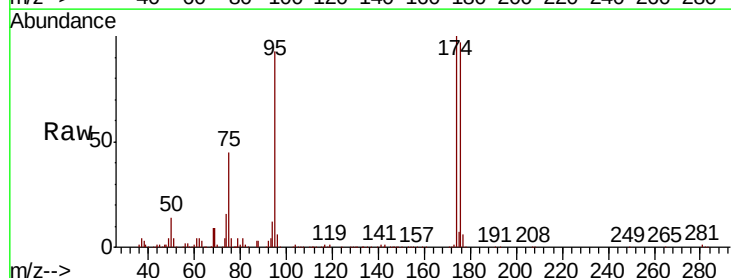
Manual Integrations  
APPROVED

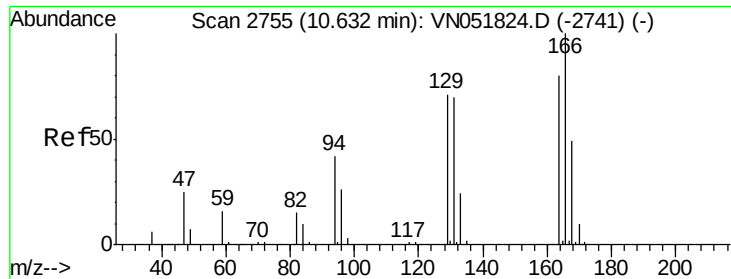
MMDadoda  
10/26/2018 9:20:14 AM



#60  
4-Bromofluorobenzene  
Concen: 90.595 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 106.2 | 73.5  | 110.3 |
| 176     | 102.2 | 70.2  | 105.2 |





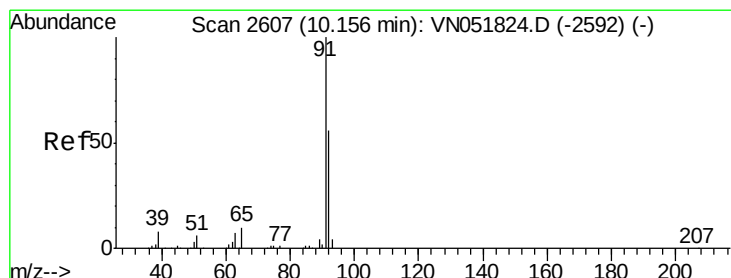
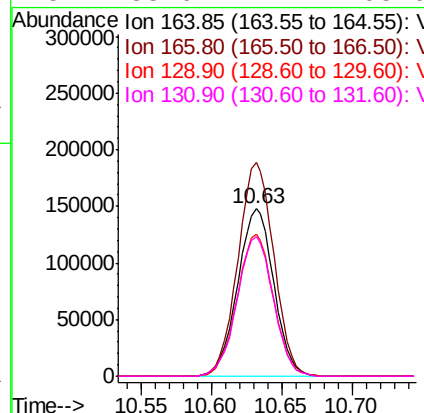
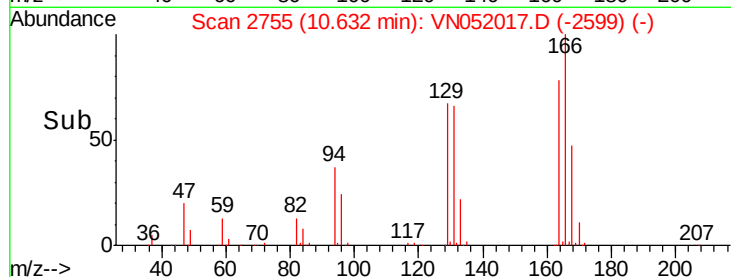
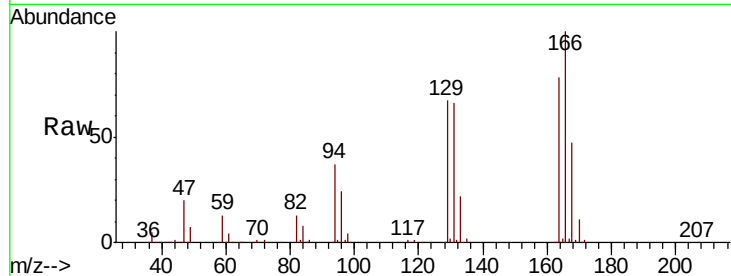
#61  
Tetrachloroethene  
Concen: 22.431 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion   | 164   | Resp  | 264846 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 127.4 | 98.7  | 148.1  |
| 129       | 84.9  | 69.6  | 104.4  |
| 131       | 83.6  | 72.4  | 108.6  |

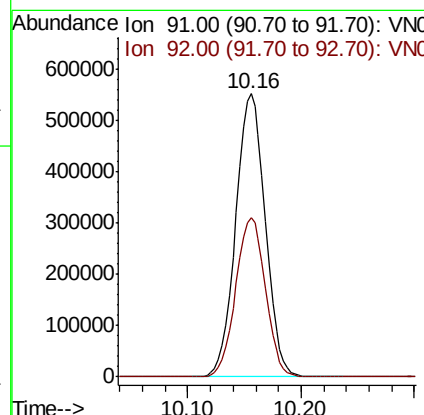
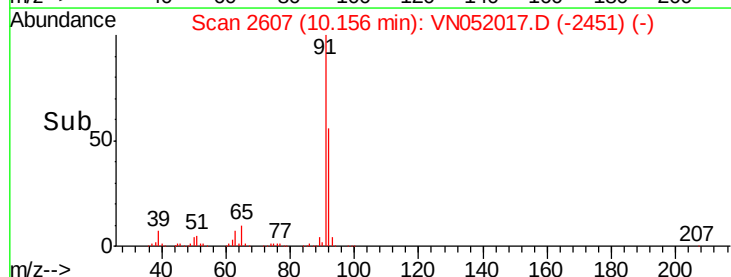
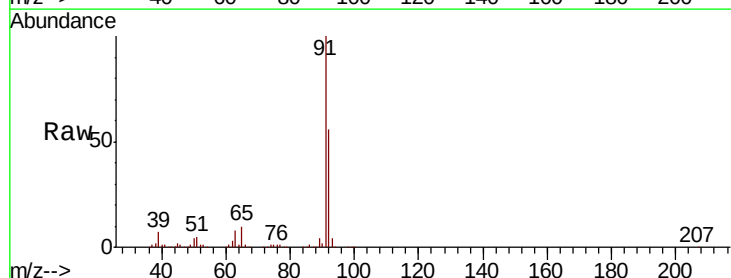
Manual Integrations  
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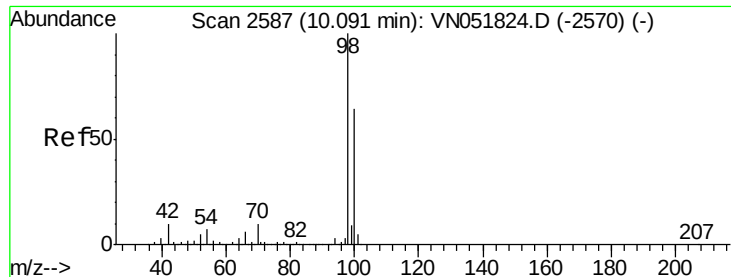
MMDadoda  
10/26/2018 9:20:14 AM



#62  
Toluene  
Concen: 21.926 ug/l  
RT: 10.16 min Scan# 2607  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion   | 91    | Resp  | 1005665 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 92        | 56.5  | 44.6  | 66.8    |





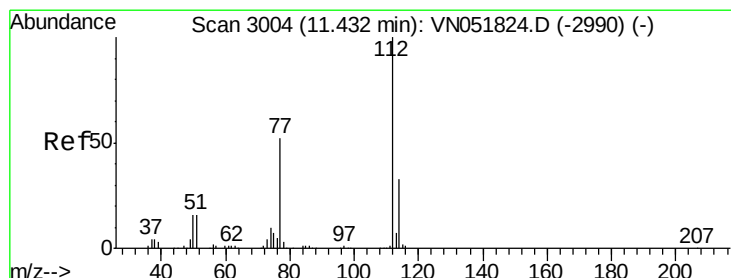
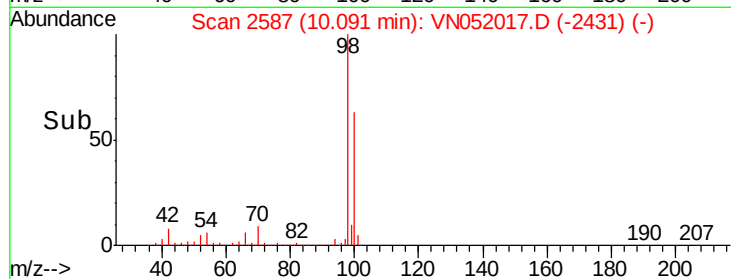
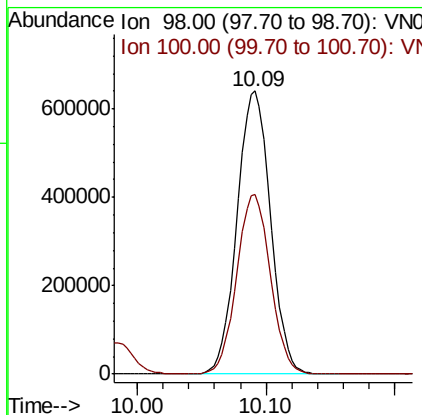
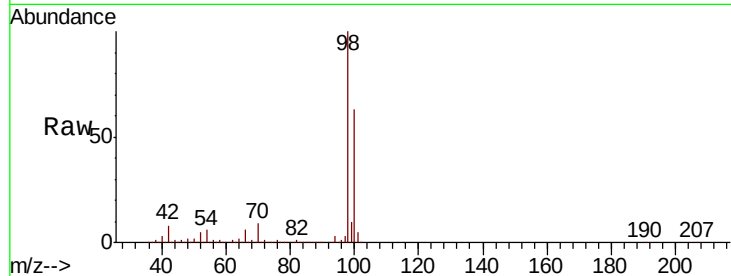
#63  
Toluene-d8  
Concen: 21.926 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tot Ion: 98 Resp: 1157885  
Ion Ratio Lower Upper  
98 100  
100 63.5 50.8 76.2

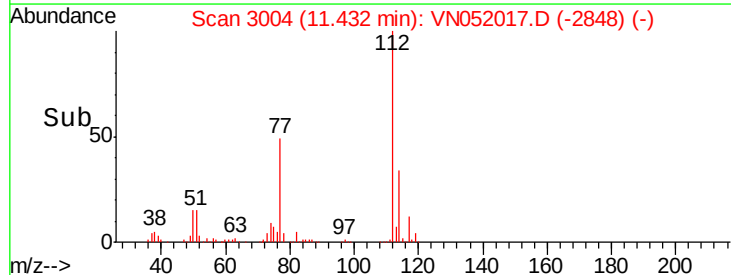
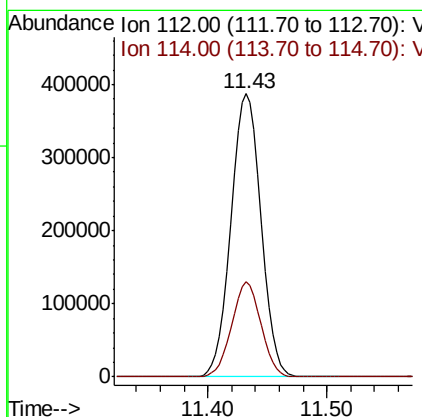
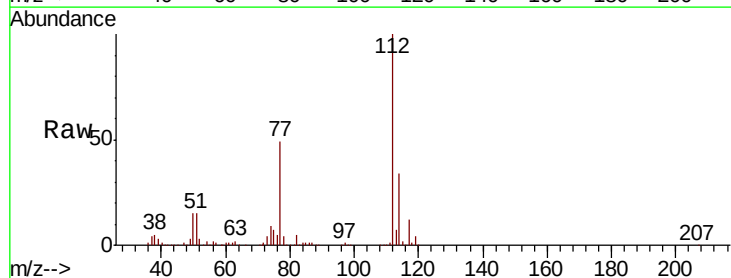
Manual Integrations  
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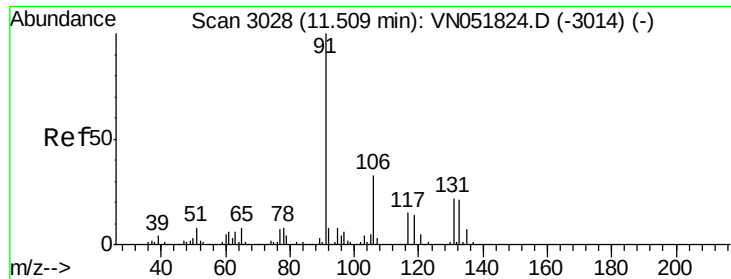
MMDadoda  
10/26/2018 9:20:14 AM



#64  
Chlorobenzene  
Concen: 22.532 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Tgt Ion: 112 Resp: 676830  
Ion Ratio Lower Upper  
112 100  
114 33.5 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 21.653 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

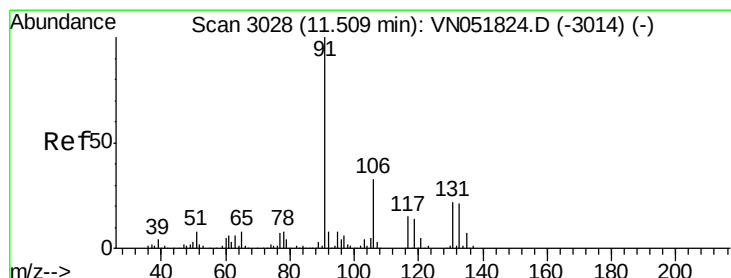
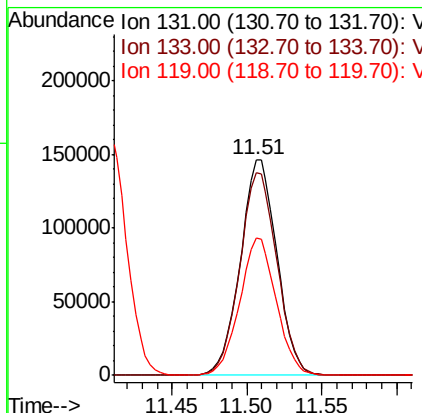
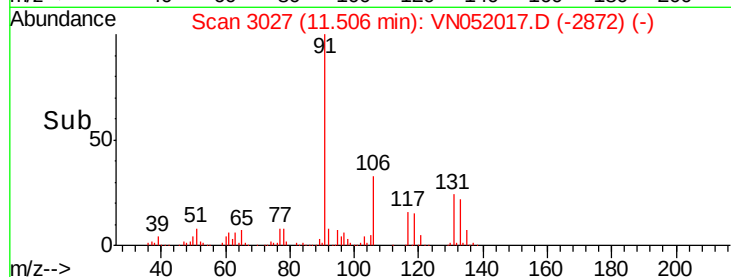
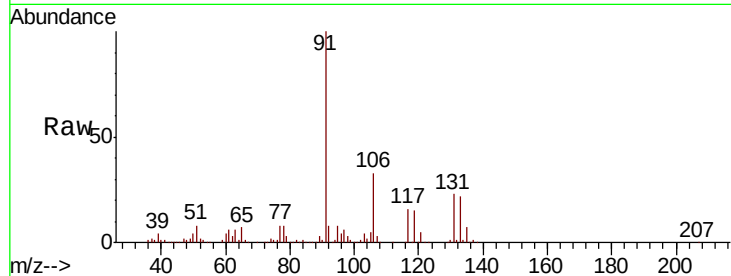
ClientSampleId :

VSTDCCC020EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 249652 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 95.8  | 0.0   | 190.4  |
| 119       | 63.6  | 0.0   | 128.0  |

Manual Integrations  
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10/26/2018 9:20:14 AM



#66

Ethyl Benzene

Concen: 21.369 ug/l

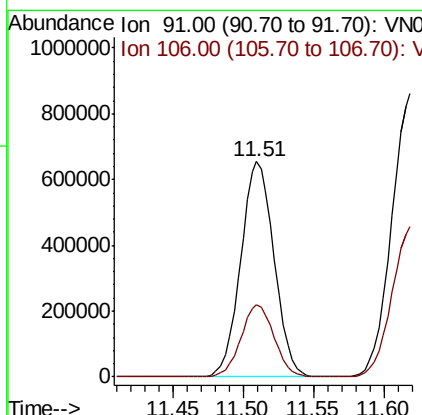
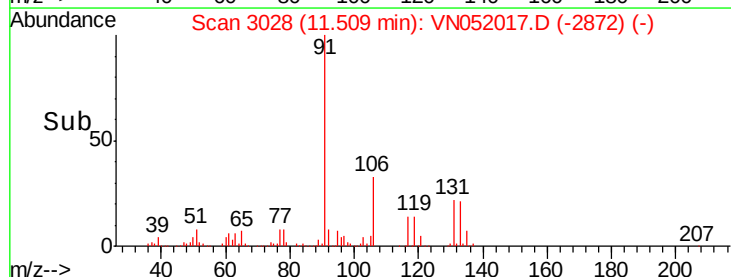
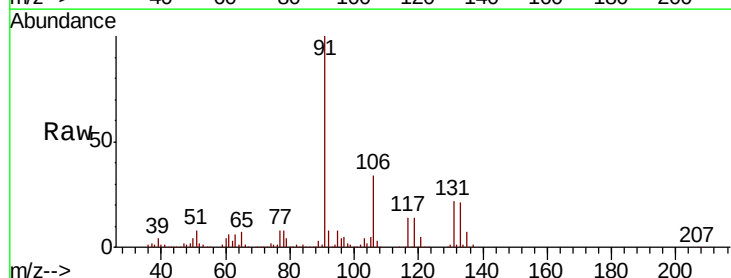
RT: 11.51 min Scan# 3028

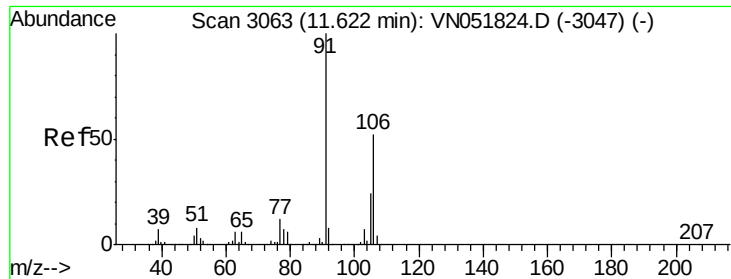
Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1083201 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 106       | 33.5  | 25.9  | 38.9    |





#67

m/p-Xylenes

Concen: 43.307 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 890011

Ion Ratio Lower Upper

106 100

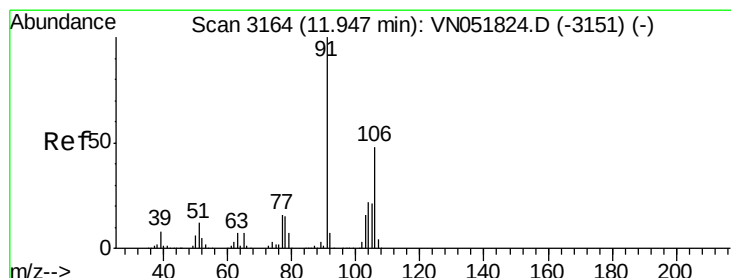
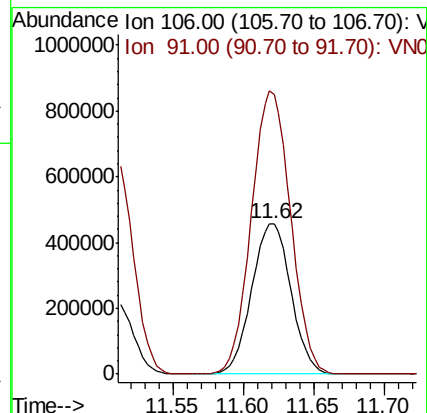
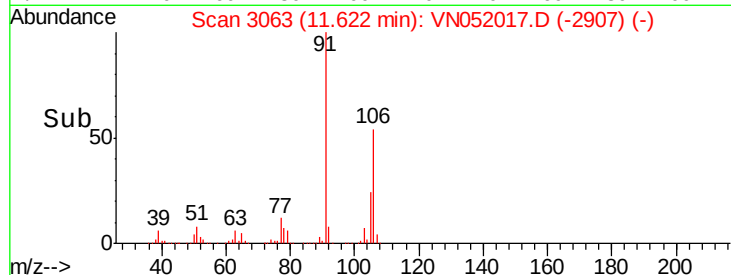
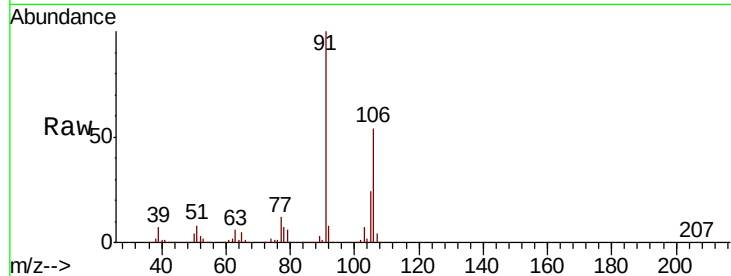
91 188.0 158.8 238.2

Manual Integrations

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10/26/2018 9:20:14 AM



#68

o-Xylene

Concen: 21.024 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052017.D

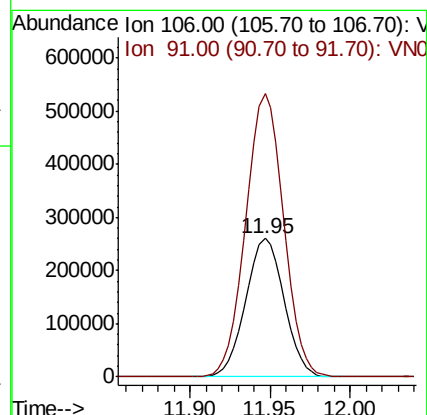
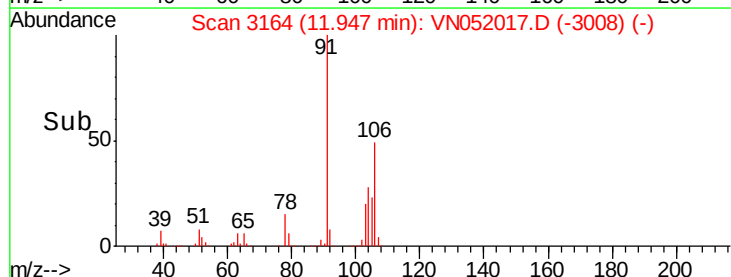
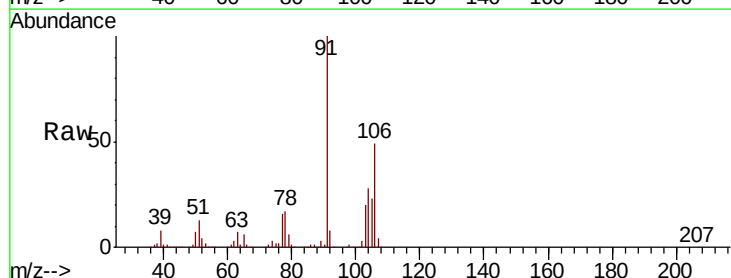
Acq: 25 Oct 2018 18:17

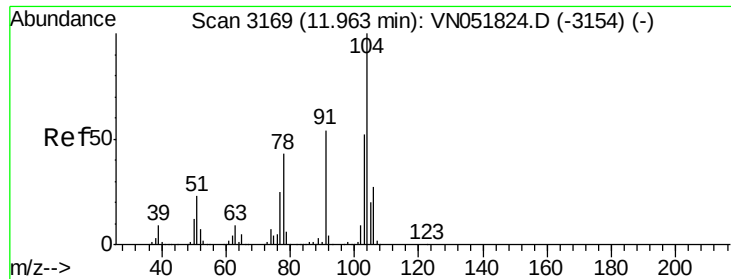
Tgt Ion:106 Resp: 425950

Ion Ratio Lower Upper

106 100

91 201.5 111.1 333.3





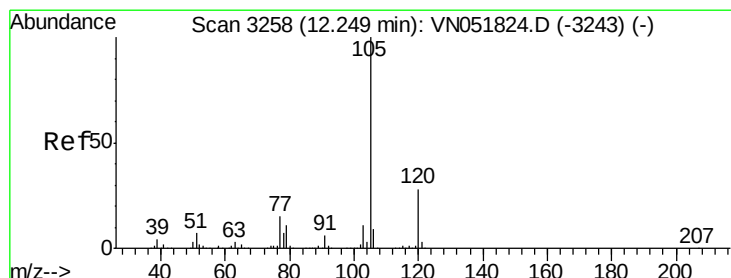
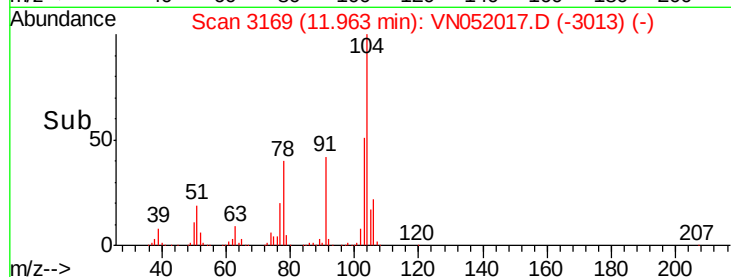
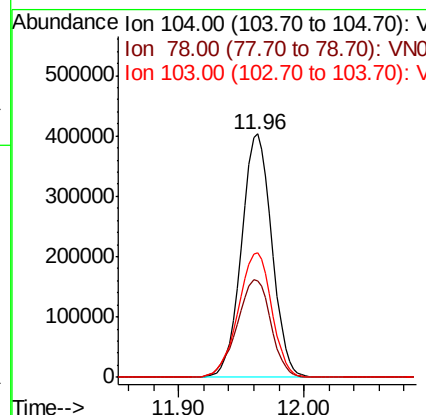
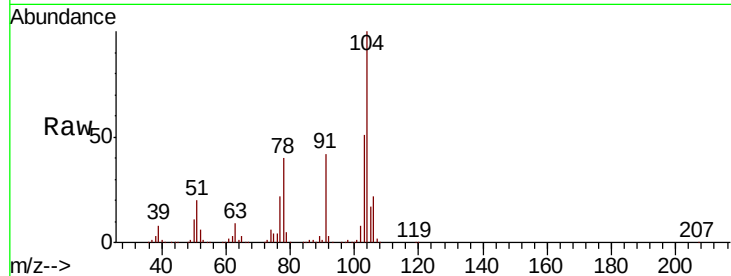
#69  
Stvrene  
Concen: 21.848 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 44.6  | 40.6  | 60.8  |
| 103     | 56.4  | 44.0  | 66.0  |

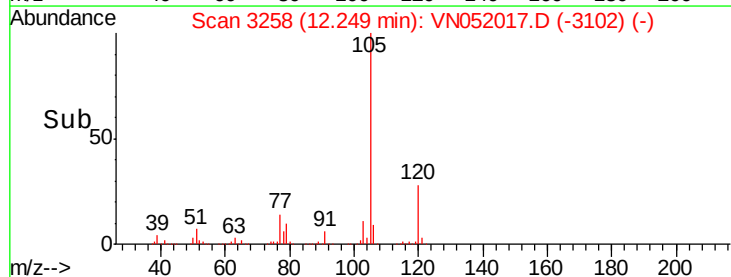
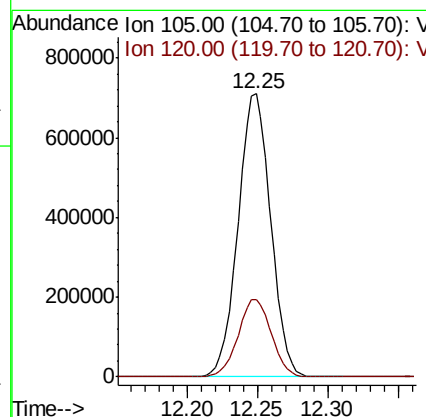
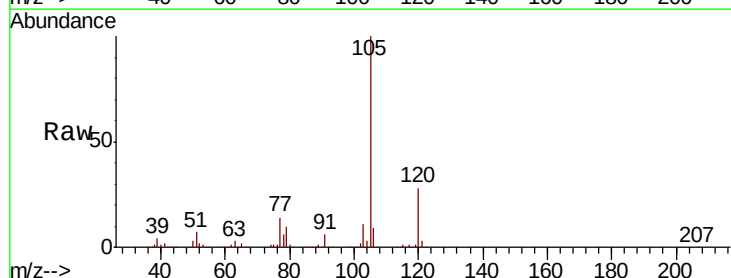
Manual Integrations  
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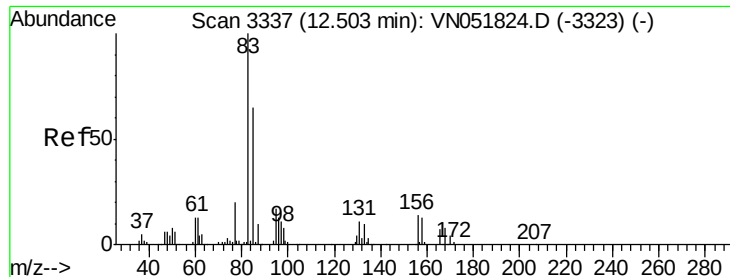


#70  
Isopropylbenzene  
Concen: 21.259 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.8  | 19.0  | 35.4  |







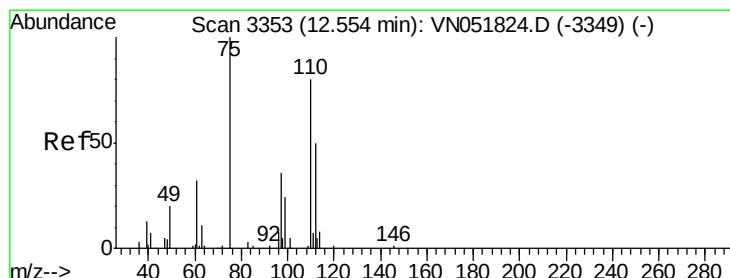
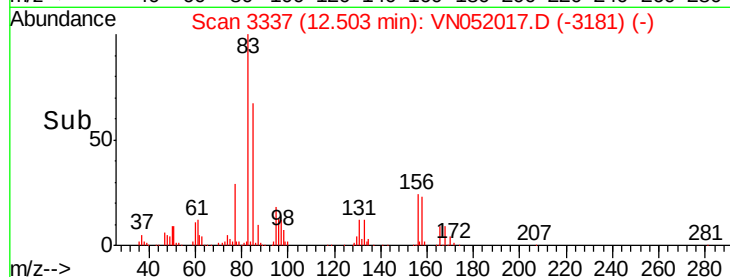
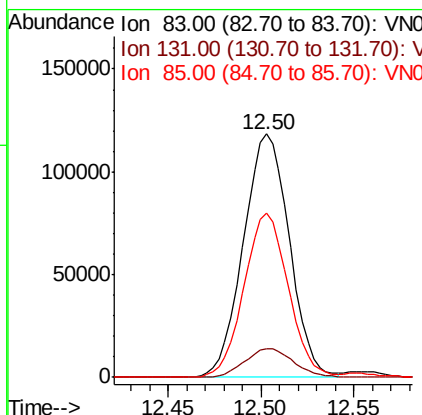
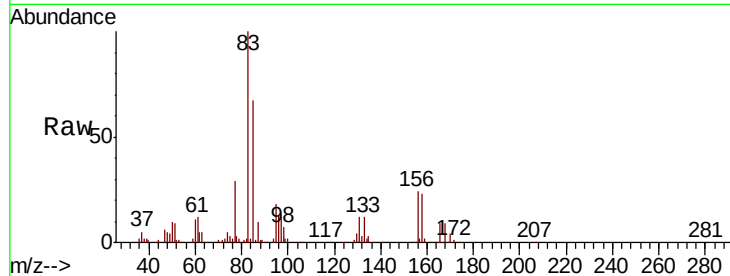
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.106 ug/l  
 RT: 12.50 min Scan# 3337  
 Delta R.T. 0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 131     | 12.6  | 5.5   | 16.4  |
| 85      | 65.1  | 30.6  | 91.8  |

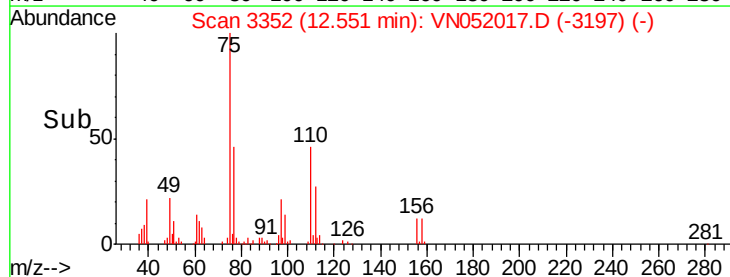
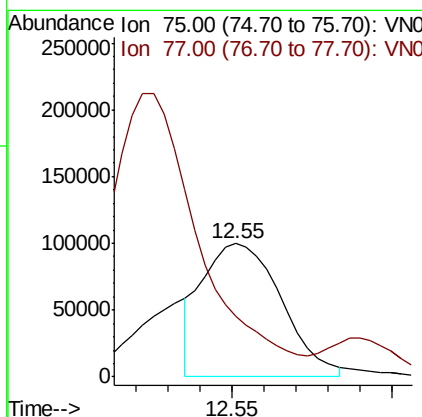
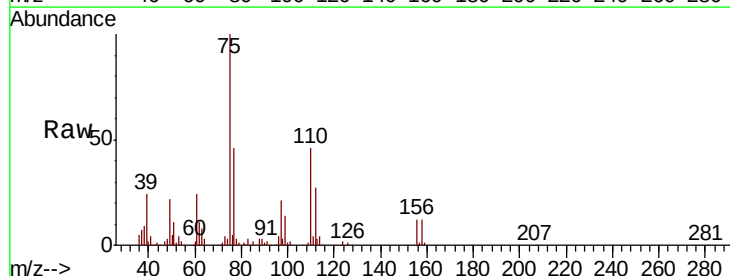
Manual Integrations  
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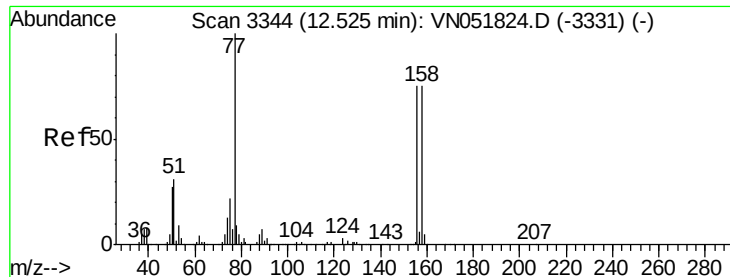
MMDadoda  
 10/26/2018 9:20:14 AM



#72  
 1,2,3-Trichloropropane  
 Concen: 20.529 ug/l m  
 RT: 12.55 min Scan# 3352  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 244.4 | 0.0   | 400.0 |





#73

Bromobenzene

Concen: 23.532 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

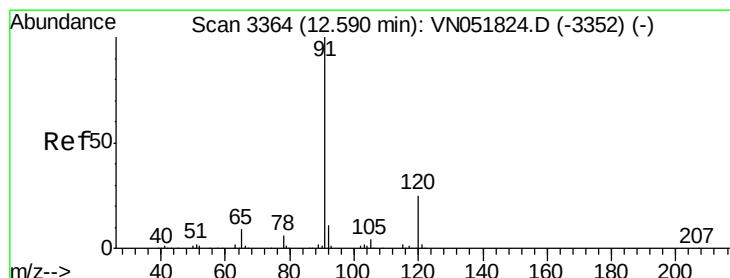
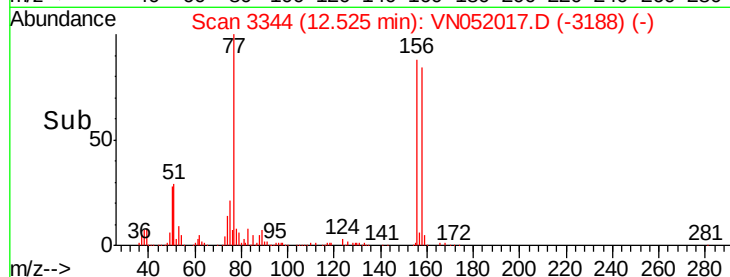
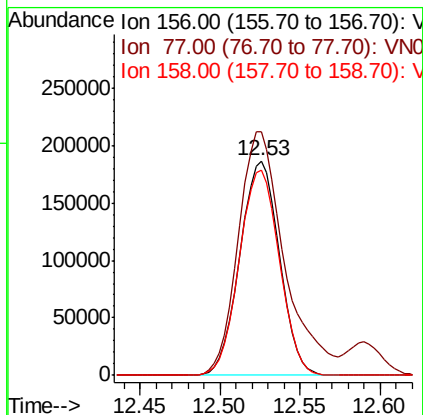
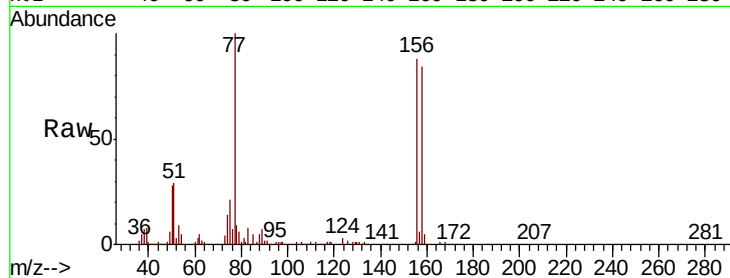
ClientSampleId :

VSTDCCC020EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 314905 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 133.7 | 0.0   | 377.4  |
| 158       | 97.2  | 0.0   | 203.0  |

Manual Integrations  
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#74

n-propylbenzene

Concen: 20.751 ug/l

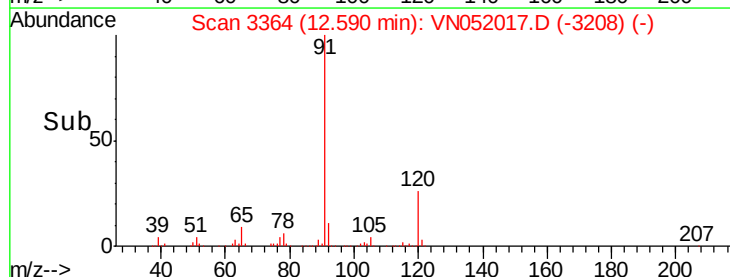
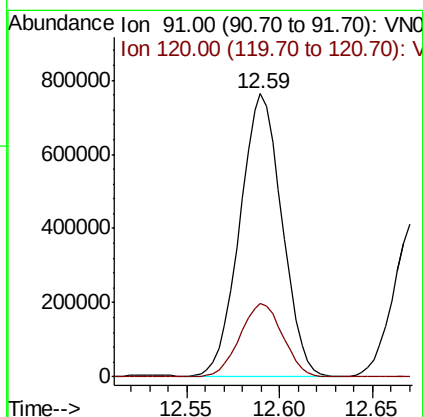
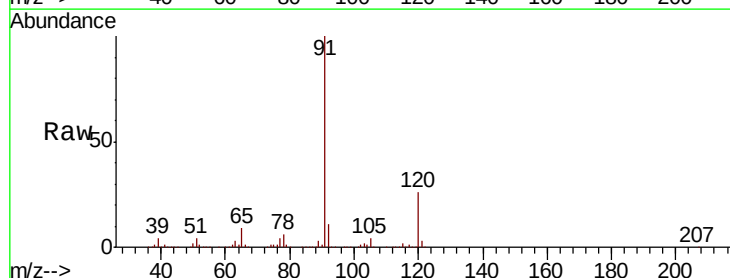
RT: 12.59 min Scan# 3364

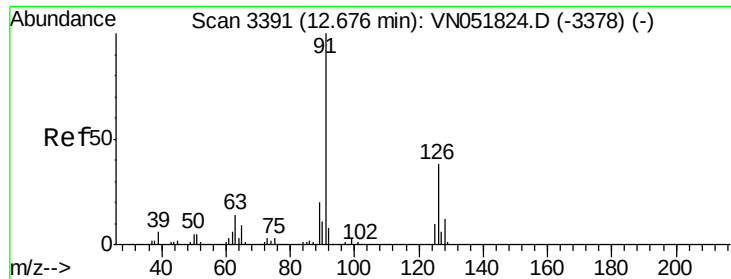
Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1205901 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 26.4  | 0.0   | 45.0    |





#75

2-Chlorotoluene

Concen: 20.834 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 709826

Ion Ratio Lower Upper

91 100

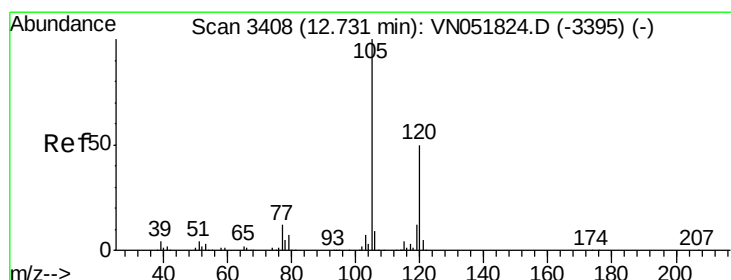
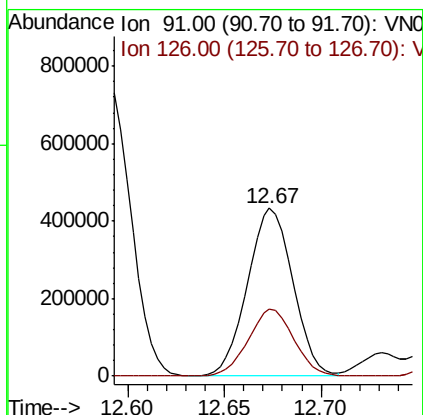
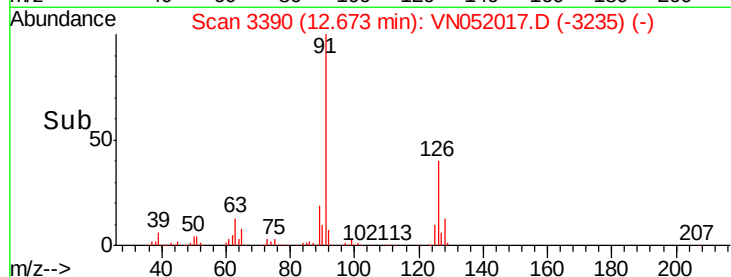
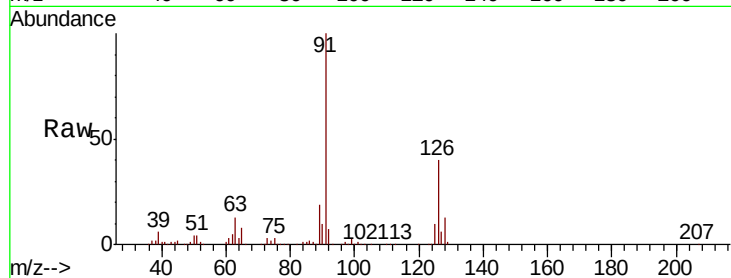
126 40.0 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 20.467 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052017.D

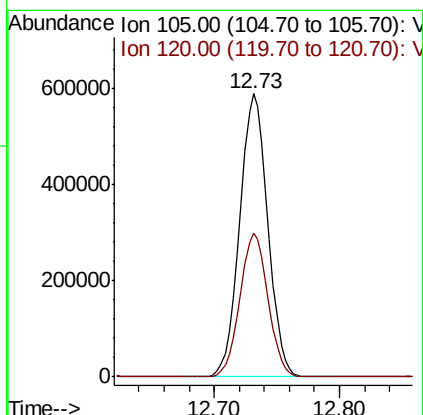
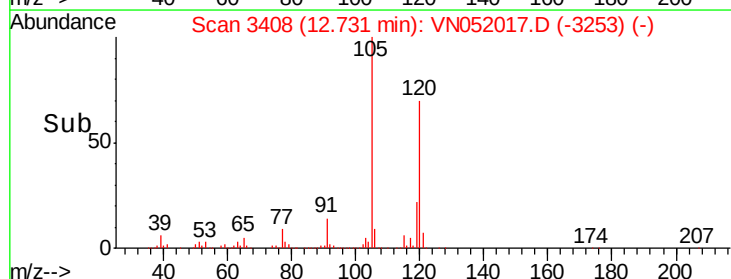
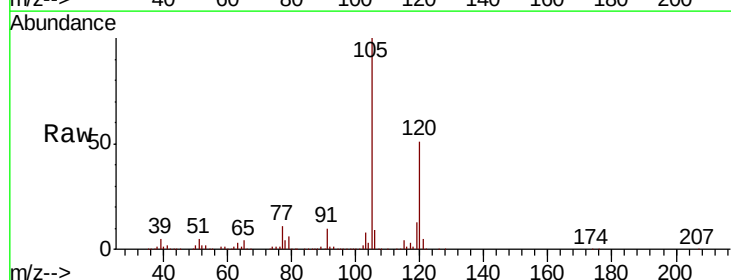
Acq: 25 Oct 2018 18:17

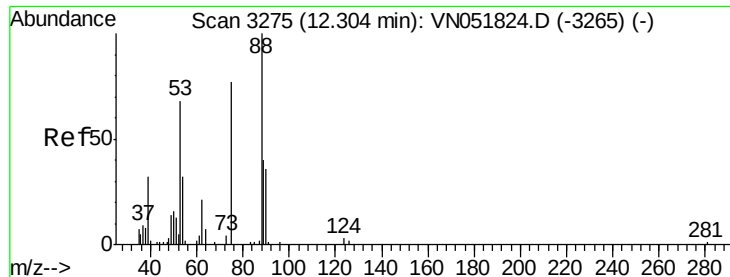
Tgt Ion: 105 Resp: 914374

Ion Ratio Lower Upper

105 100

120 50.7 0.0 98.2





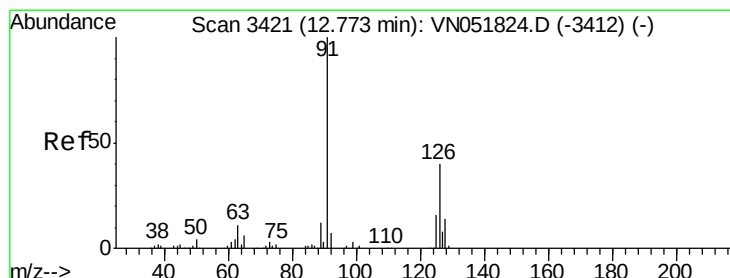
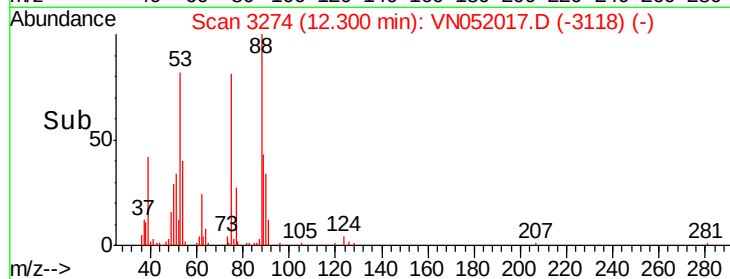
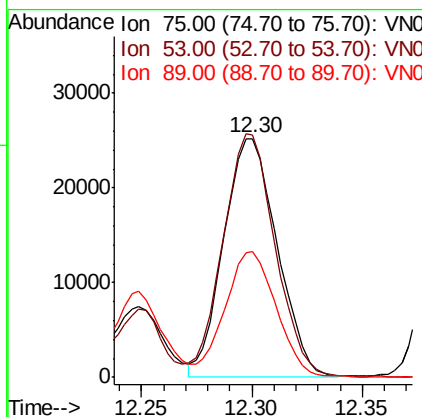
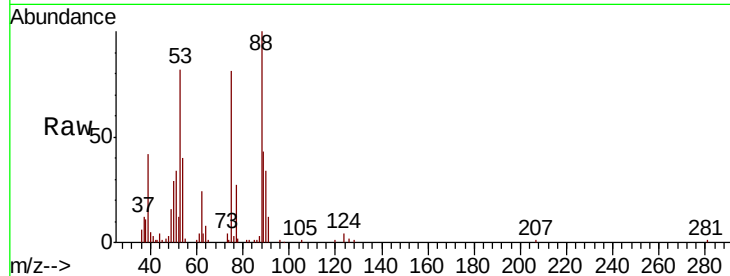
#77  
t-1,4-Dichloro-2-butene  
Concen: 15.275 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 101.1 | 46.3  | 138.9 |
| 89      | 52.1  | 24.6  | 73.8  |

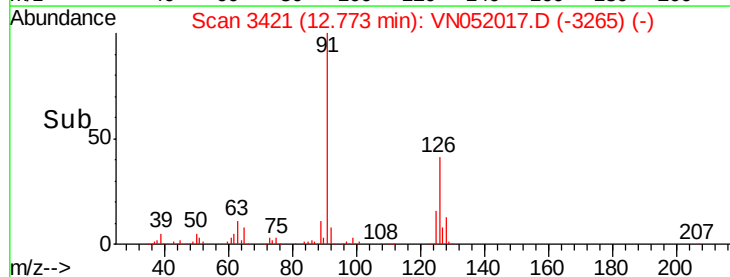
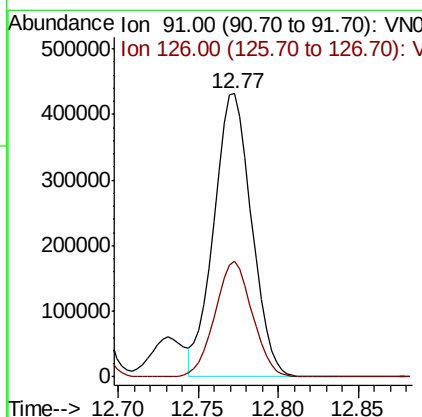
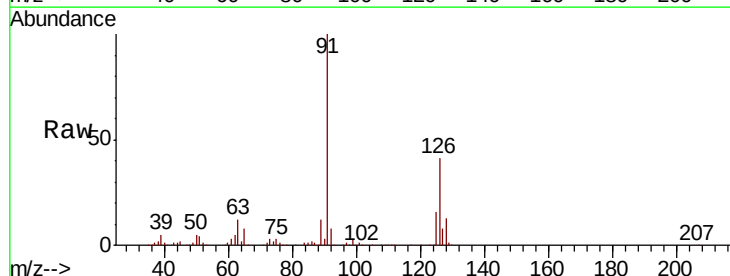
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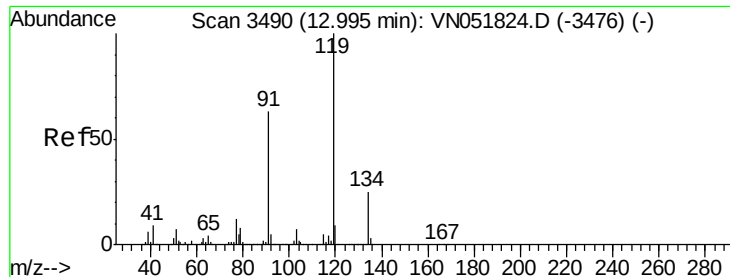
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#78  
4-Chlorotoluene  
Concen: 20.909 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 40.4  | 0.0   | 65.2  |





#79

tert-butylbenzene

Concen: 20.681 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA\_N

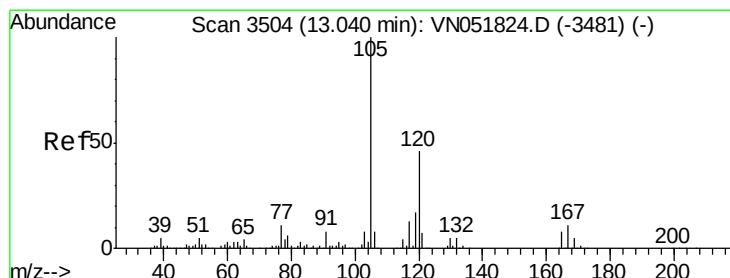
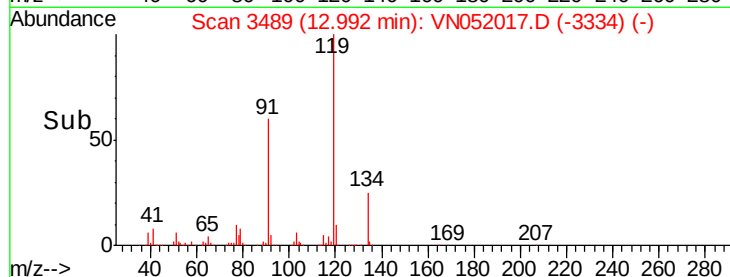
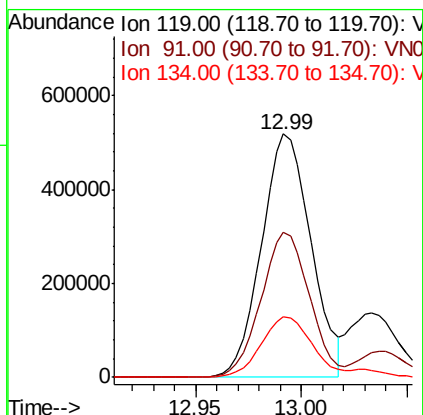
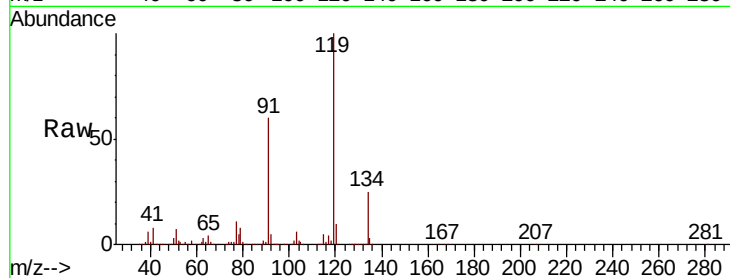
ClientSampleId :

VSTDCCC020EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 849693 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 58.5  | 0.0   | 131.6  |
| 134       | 25.3  | 0.0   | 46.2   |

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#80

1,2,4-Trimethylbenzene

Concen: 20.587 ug/l

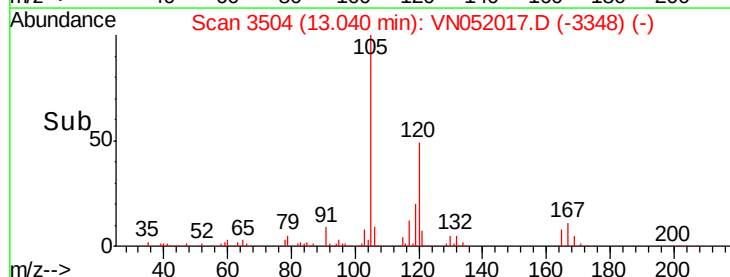
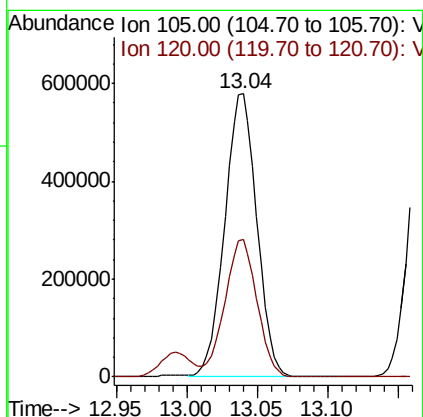
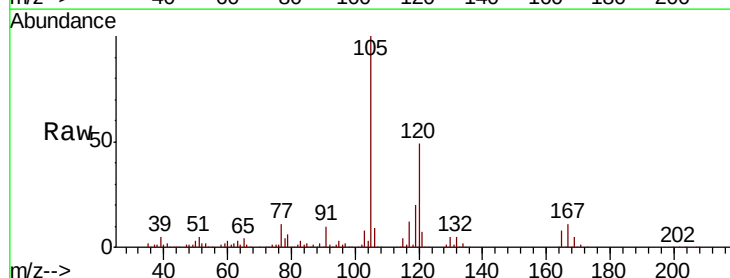
RT: 13.04 min Scan# 3504

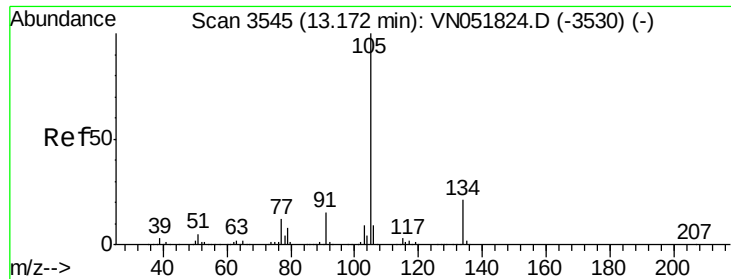
Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 919230 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 48.6  | 0.0   | 89.6   |





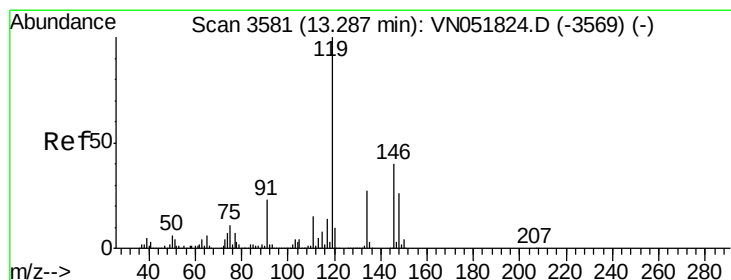
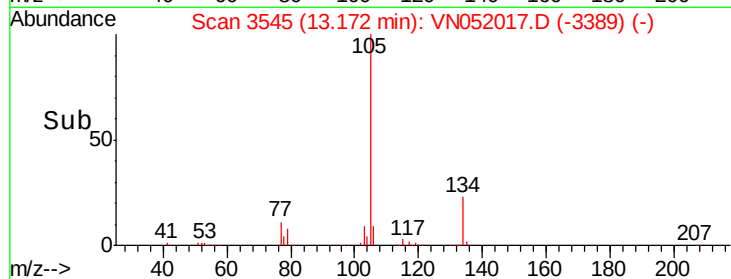
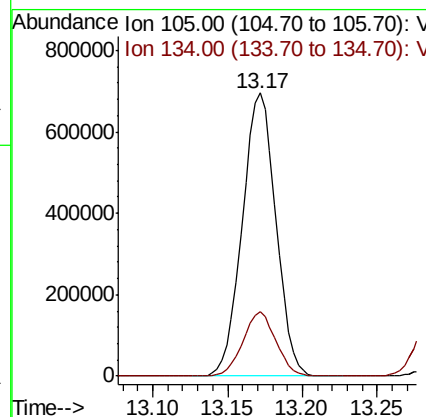
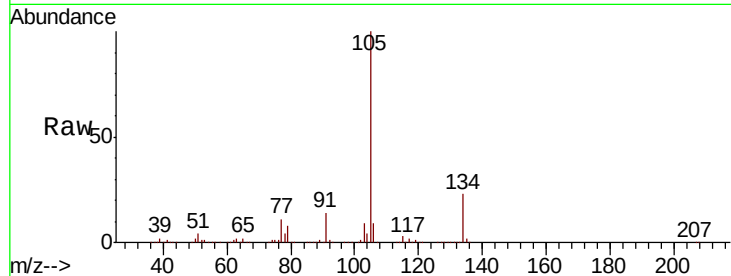
#81  
 sec-Butylbenzene  
 Concen: 20.231 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Tot Ion:105 Resp: 1087352  
 Ion Ratio Lower Upper  
 105 100  
 134 22.3 0.0 39.4

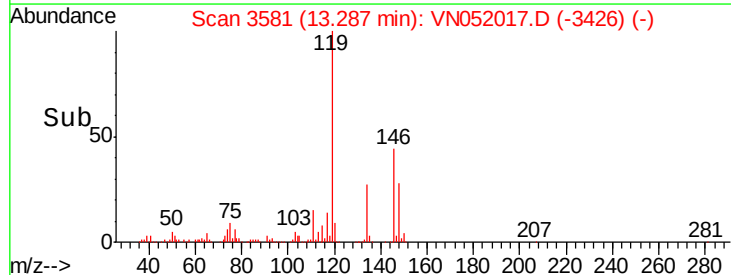
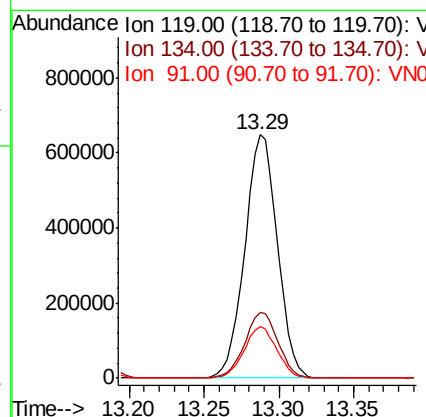
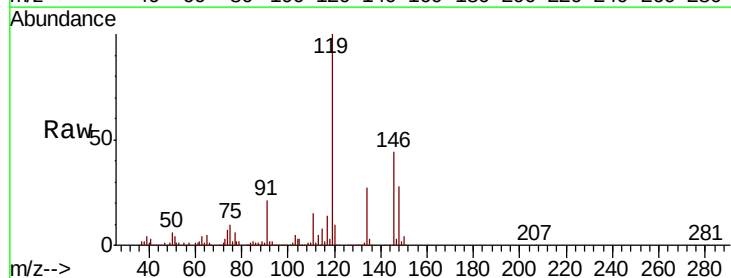
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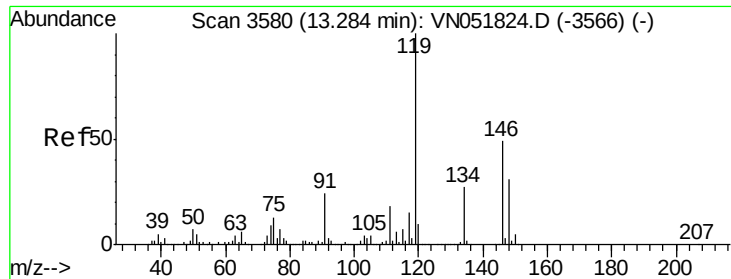
MMDadoda  
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#82  
 p-Isopropyltoluene  
 Concen: 20.403 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Tgt Ion:119 Resp: 981262  
 Ion Ratio Lower Upper  
 119 100  
 134 27.6 0.0 53.6  
 91 21.2 0.0 52.0





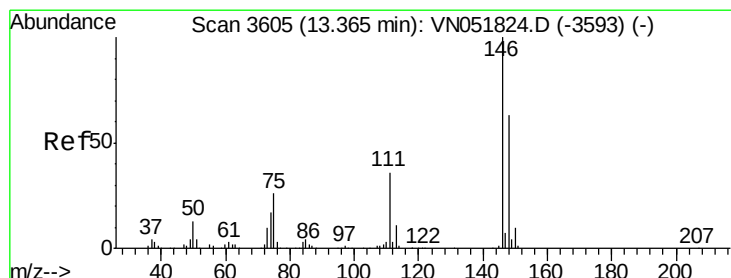
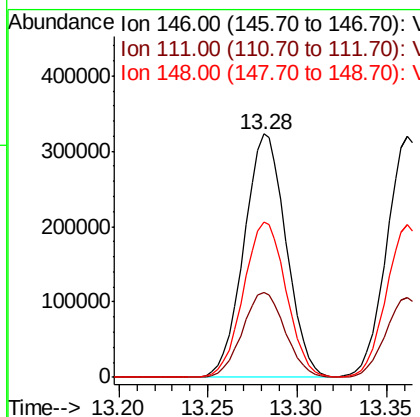
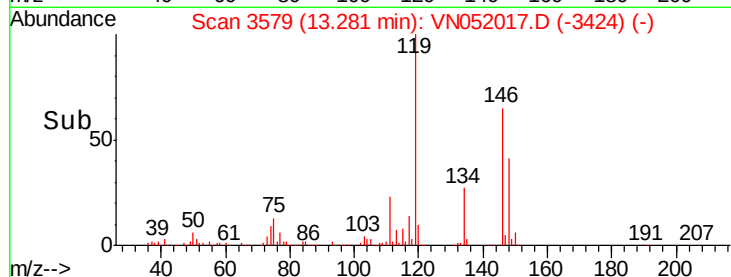
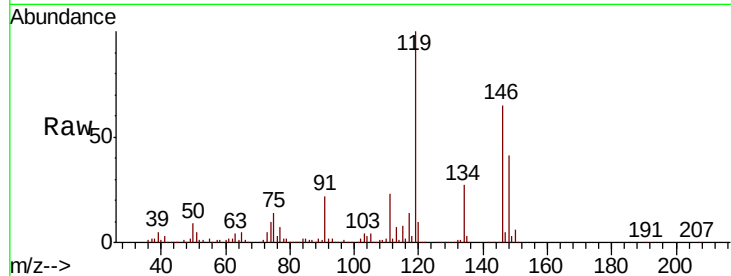
#83  
 1,3-Dichlorobenzene  
 Concen: 22.621 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.3  | 18.1  | 54.3  |
| 148     | 64.6  | 31.3  | 93.8  |

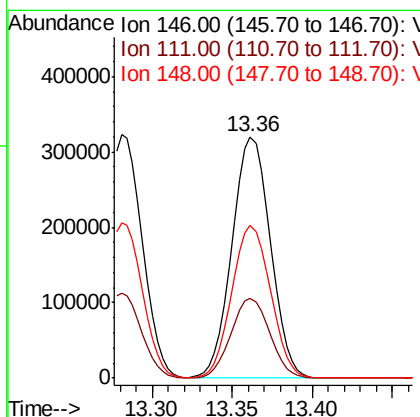
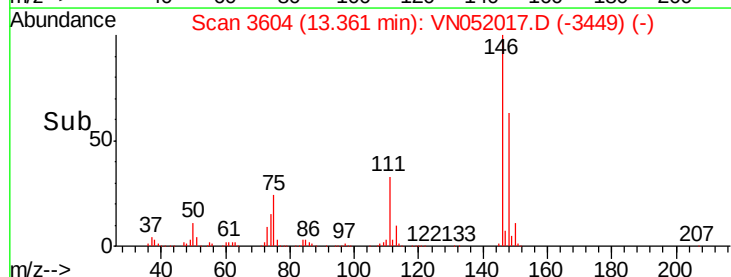
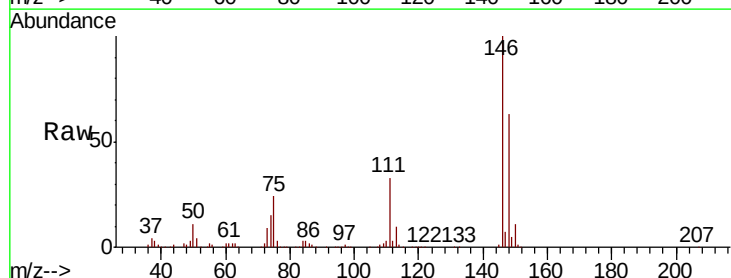
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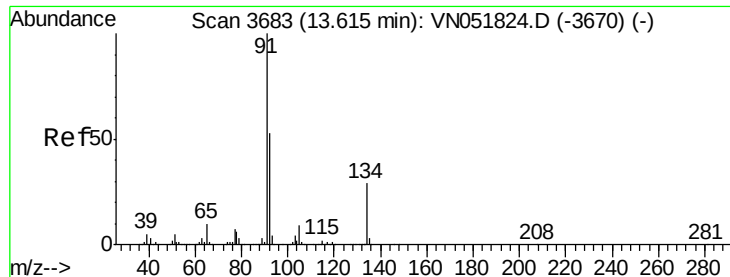
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#84  
 1,4-Dichlorobenzene  
 Concen: 23.525 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 33.4  | 17.4  | 52.2  |
| 148     | 64.0  | 32.8  | 98.3  |





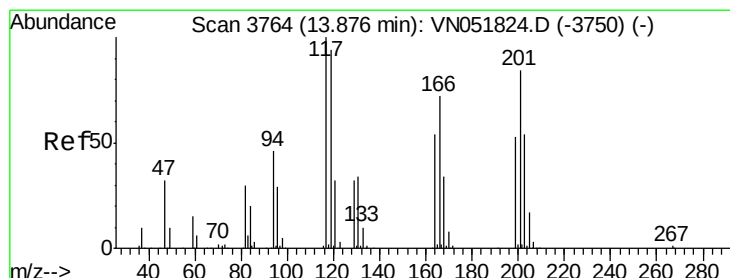
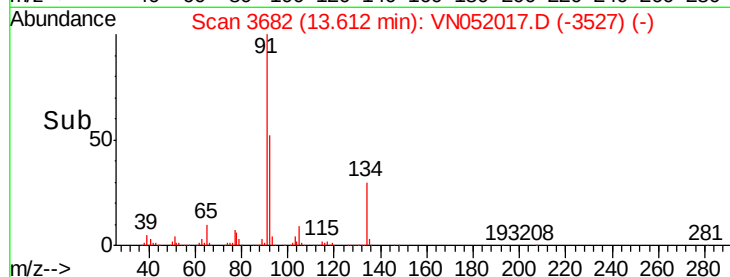
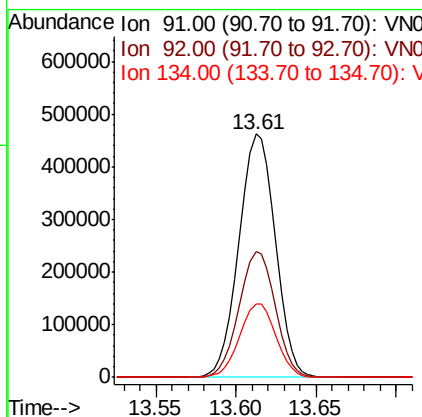
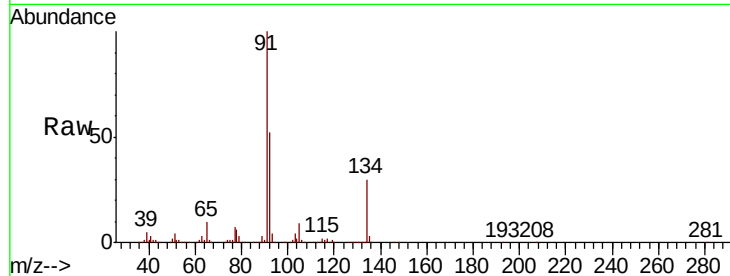
#85  
n-Butylbenzene  
Concen: 19.721 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.5  | 0.0   | 97.4  |
| 134     | 30.3  | 0.0   | 49.6  |

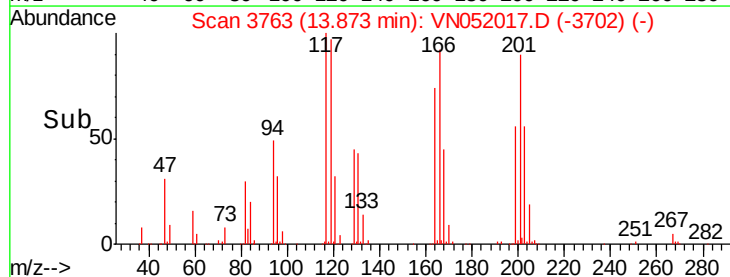
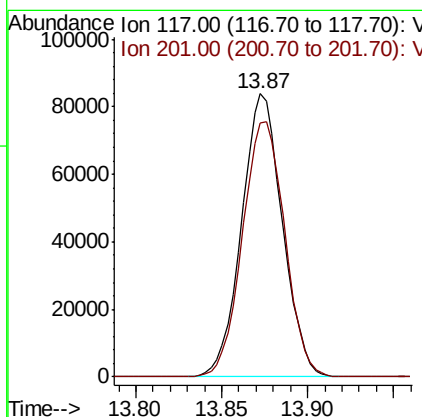
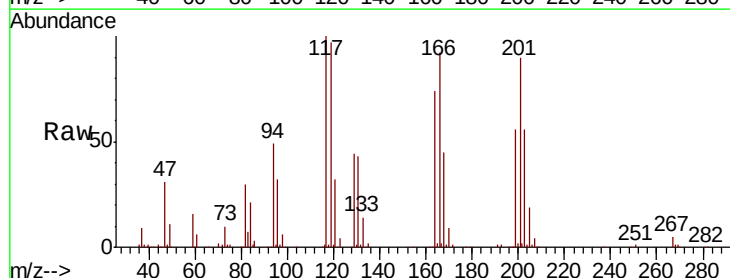
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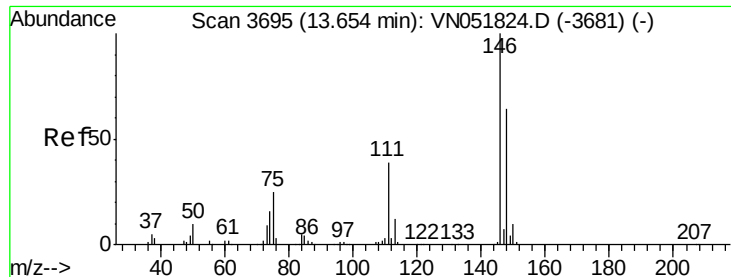


#86  
Hexachloroethane  
Concen: 16.671 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 93.4  | 47.8  | 143.3 |







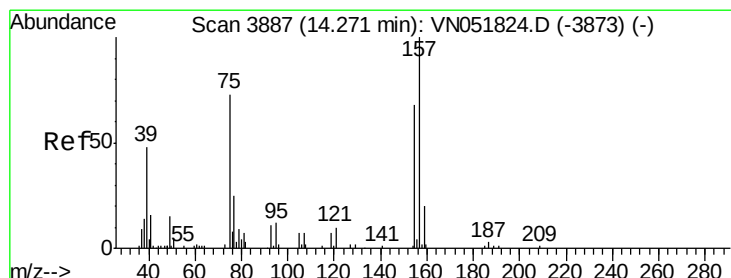
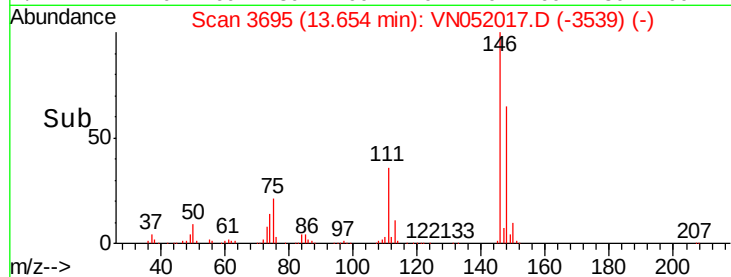
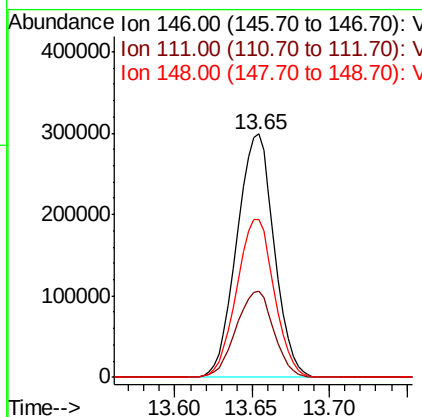
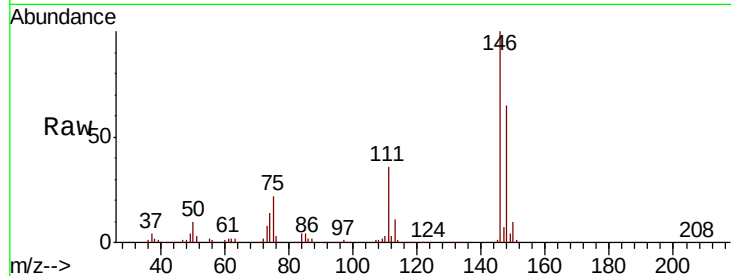
#87  
 1,2-Dichlorobenzene  
 Concen: 21.920 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.6  | 20.8  | 62.2  |
| 148     | 65.1  | 33.2  | 99.6  |

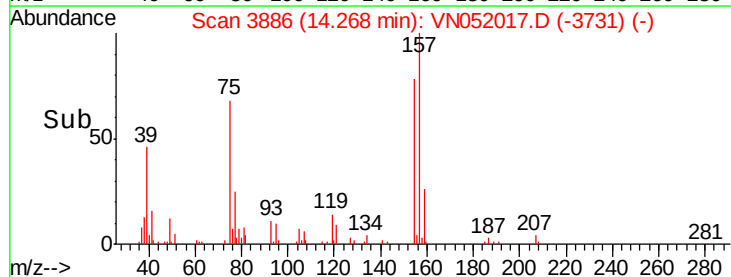
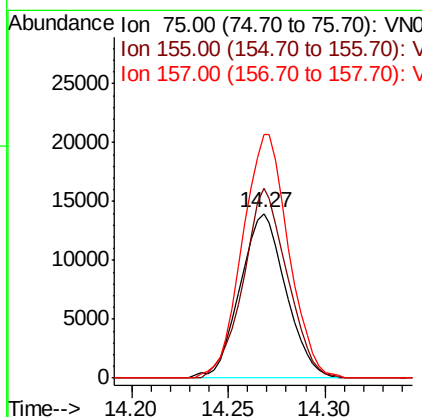
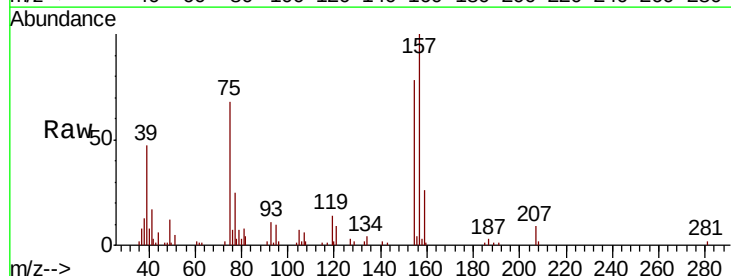
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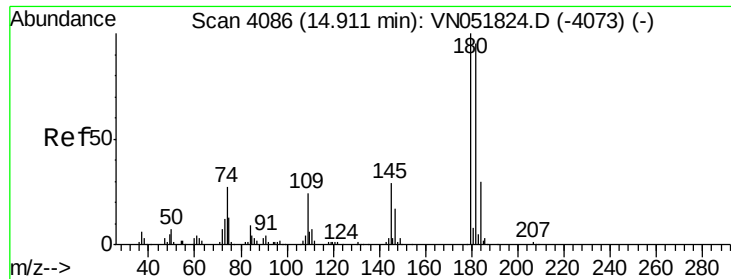
MMDadoda  
 10/26/2018 9:20:14 AM



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 14.463 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 155     | 110.2 | 57.0  | 85.6#  |
| 157     | 148.6 | 87.4  | 131.0# |





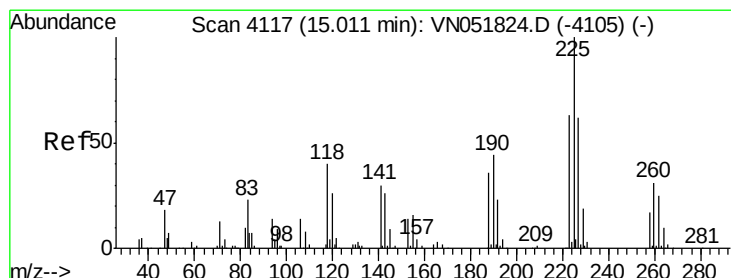
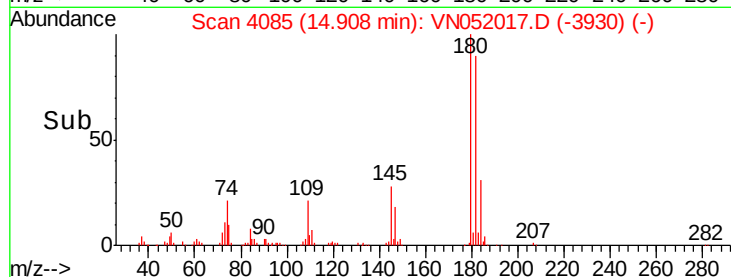
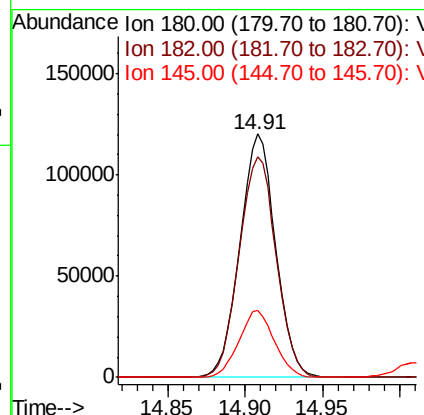
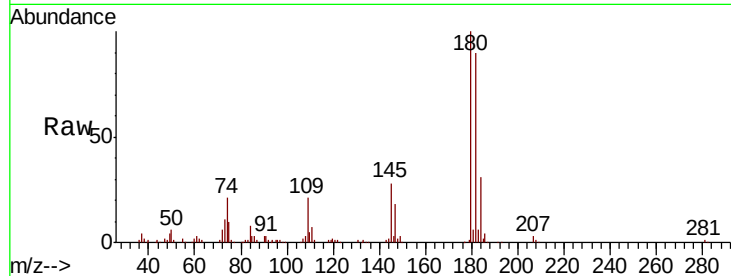
#89  
 1,2,4-Trichlorobenzene  
 Concen: 20.469 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 77.7  | 116.5 |
| 145     | 27.2  | 23.4  | 35.2  |

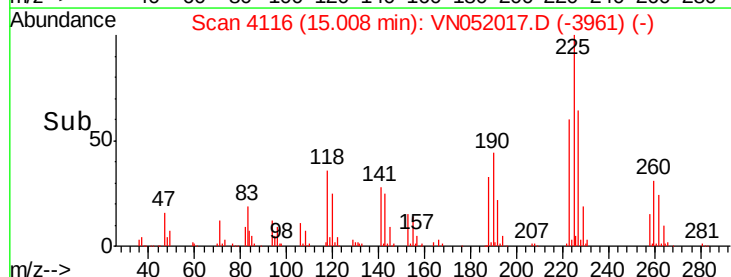
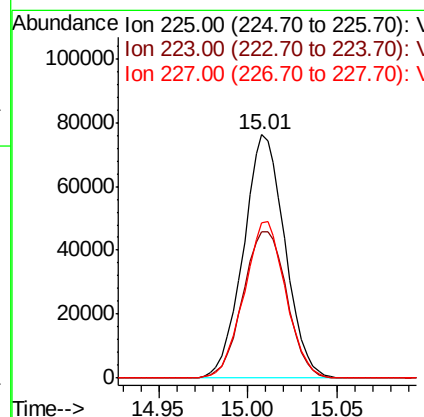
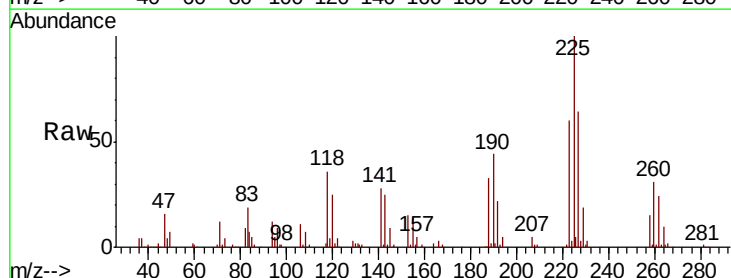
Manual Integrations  
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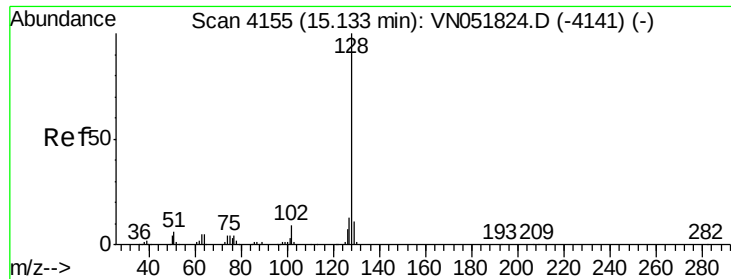
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 10/26/2018 9:20:14 AM



#90  
 Hexachlorobutadiene  
 Concen: 16.818 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN052017.D  
 Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.7  | 0.0   | 117.0 |
| 227     | 64.4  | 0.0   | 127.0 |





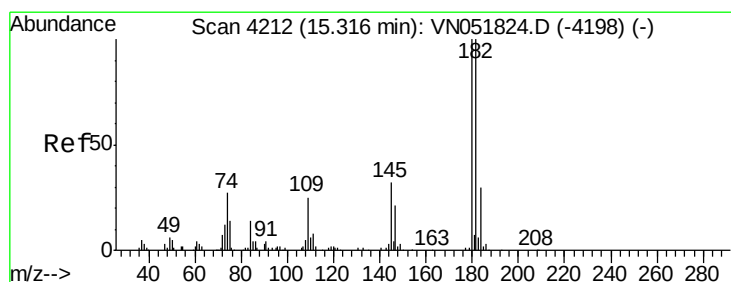
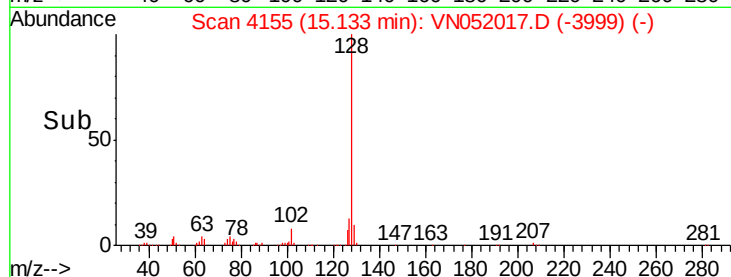
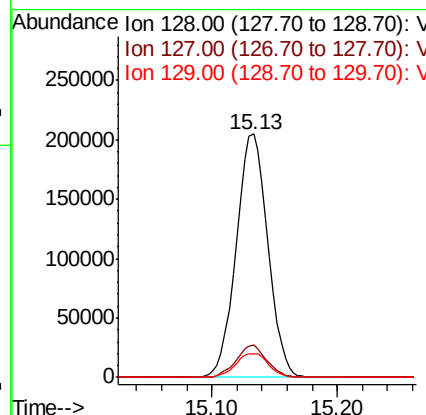
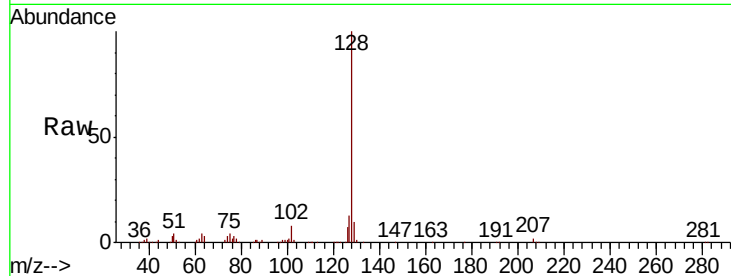
#91  
Naphthalene  
Concen: 19.974 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.1  | 15.1  |
| 129     | 10.2  | 8.4   | 12.6  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 14.845 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN052017.D  
Acq: 25 Oct 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 0.0   | 198.0 |
| 145     | 30.8  | 0.0   | 36.8  |

