

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\  
 Data File : VN052665.D  
 Acq On : 5 Dec 2018 9:59  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 12/6/2018 9:08:53 AM

Quant Time: Dec 06 04:41:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 03 03:24:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 998615   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1509955  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1345469  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 650201   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 512819   | 47.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.32%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 464245   | 49.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.74%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1773102  | 48.93 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.86%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 621881   | 51.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.14% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 408762  | 43.716  | ug/l   | 98     |
| 3) Chloromethane              | 2.06 | 50  | 518587  | 42.016  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 549936  | 43.374  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94  | 338597  | 42.801  | ug/l   | 98     |
| 6) Chloroethane               | 2.71 | 64  | 330462  | 43.029  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 721889  | 46.352  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 278610  | 48.443  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 470788  | 48.445  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.95 | 142 | 676397  | 52.258  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.78 | 59  | 129622  | 238.128 | ug/l # | 89     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 435676  | 46.575  | ug/l   | 99     |
| 13) Acrolein                  | 3.61 | 56  | 286843  | 303.197 | ug/l   | 100    |
| 14) Allyl chloride            | 4.32 | 41  | 767084  | 47.579  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 843215  | 244.713 | ug/l   | 100    |
| 16) Acetone                   | 3.82 | 43  | 766604  | 267.306 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.05 | 76  | 1214960 | 41.272  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.32 | 43  | 431599  | 52.465  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.04 | 73  | 1241867 | 49.897  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.55 | 84  | 500995  | 44.641  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 464669  | 46.510  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.95 | 45  | 1614879 | 47.685  | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.89 | 43  | 5157010 | 244.487 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 916414  | 47.394  | ug/l   | 99     |
| 25) 2-Butanone                | 6.83 | 43  | 1048405 | 257.915 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 685798  | 51.241  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 553395  | 47.551  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 423061  | 47.903  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 632497  | 241.240 | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83  | 903570  | 46.838  | ug/l   | 100    |
| 31) Cyclohexane               | 7.65 | 56  | 839774  | 44.833  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 746779  | 48.858  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 689735  | 48.372  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.92 | 43  | 430930  | 49.520  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 656359  | 50.849  | ug/l   | 100    |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 12/6/2018 9:08:53 AM

Quant Time: Dec 06 04:41:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 03 03:24:02 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 845359   | 48.777  | ug/l  | 98       |
| 40) Benzene                    | 8.04  | 78   | 2077390  | 48.886  | ug/l  | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 241237   | 50.706  | ug/l  | 97       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 641007   | 49.819  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 763134   | 51.820  | ug/l  | 100      |
| 44) Trichloroethene            | 8.83  | 130  | 543319   | 49.915  | ug/l  | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 559492   | 49.523  | ug/l  | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 319657   | 51.111  | ug/l  | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 694373   | 51.065  | ug/l  | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 387981   | 50.526  | ug/l  | 97       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 76790    | 963.566 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 2160331  | 261.457 | ug/l  | 99       |
| 52) Toluene                    | 10.16 | 92   | 1278481  | 50.638  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 699456   | 53.470  | ug/l  | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 825735   | 52.674  | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 459557   | 51.746  | ug/l  | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 596329   | 48.444  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 796271   | 50.778  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 1726082  | 267.848 | ug/l  | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1547523  | 279.059 | ug/l  | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 519582   | 53.867  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 453005   | 51.357  | ug/l  | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 525328   | 50.358  | ug/l  | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 1398055  | 50.392  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 502638   | 52.106  | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 2483281  | 51.113  | ug/l  | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1867776  | 103.269 | ug/l  | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 905238   | 51.541  | ug/l  | 99       |
| 70) Styrene                    | 11.96 | 104  | 1500398  | 53.635  | ug/l  | 99       |
| 71) Bromoform                  | 12.13 | 173  | 352027   | 55.114  | ug/l  | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 2447469  | 47.978  | ug/l  | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 652819   | 50.654  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 554975   | 47.825  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 463944m  | 46.272  | ug/l  |          |
| 77) Bromobenzene               | 12.53 | 156  | 606388   | 48.092  | ug/l  | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 2839464  | 48.997  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1647098  | 47.727  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1999081  | 49.136  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 159537   | 53.137  | ug/l  | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1665079  | 47.873  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1787487  | 49.283  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2026269  | 49.697  | ug/l  | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 2432987  | 49.250  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 2100632  | 49.924  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1089471  | 49.397  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1069019  | 49.207  | ug/l  | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1816588  | 51.913  | ug/l  | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 359167   | 50.413  | ug/l  | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1050149  | 49.837  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 83298    | 50.190  | ug/l  | 96       |

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Acq On : 5 Dec 2018 9:59  
Operator : MD\SY  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

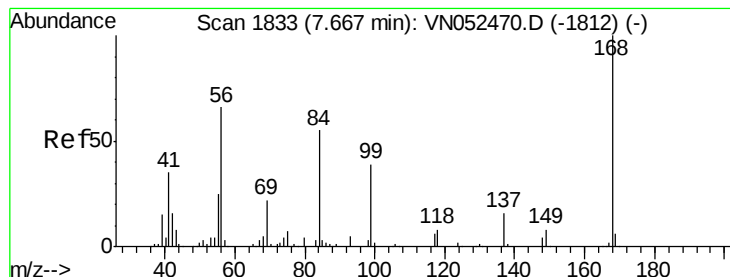
MMDadoda  
12/6/2018 9:08:53 AM

Quant Time: Dec 06 04:41:39 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 03 03:24:02 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 562801   | 48.826 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 342985   | 50.596 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 1160604  | 47.588 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 515321   | 48.633 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 998615

Ion Ratio Lower Upper

168 100

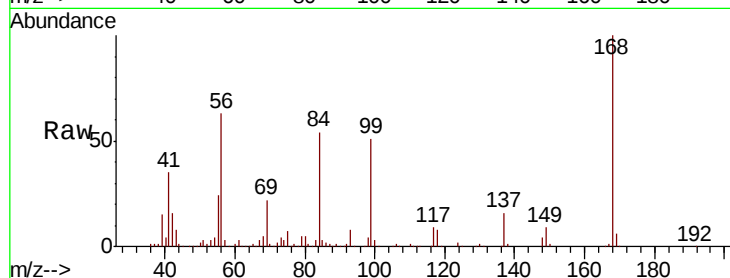
99 51.1 41.7 62.5

Manual Integrations

APPROVED

MMDadoda

12/6/2018 9:08:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

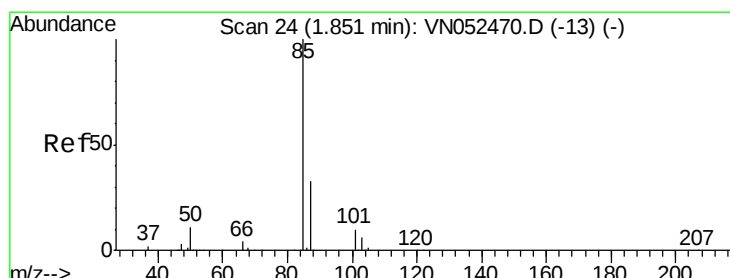
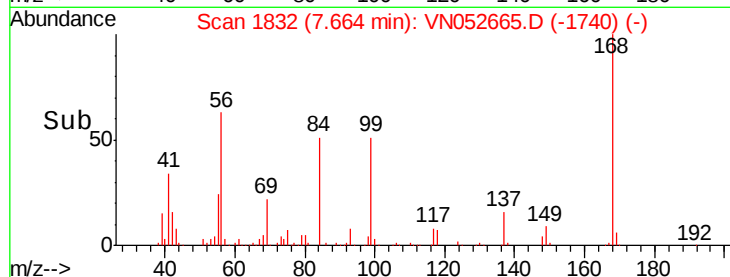
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.716 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052665.D

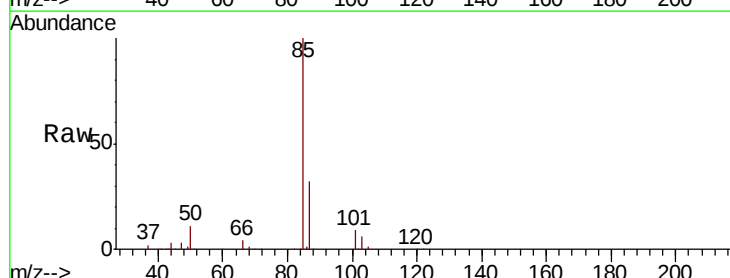
Acq: 5 Dec 2018 9:59

Tgt Ion: 85 Resp: 408762

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

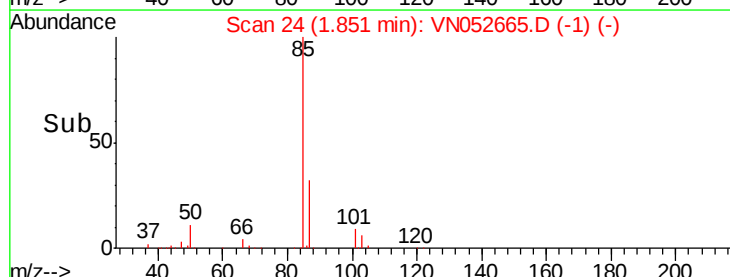
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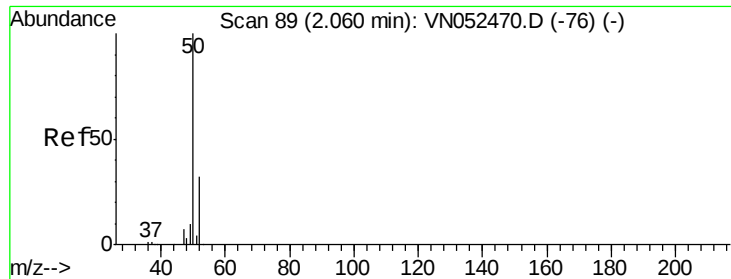
200000

100000

0

Time-->





#3

Chloromethane

Concen: 42.016 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 518587

Ion Ratio Lower Upper

50 100

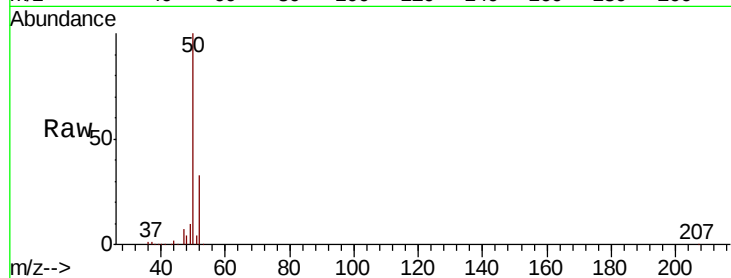
52 33.2 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

12/6/2018 9:08:53 AM



Abundance Ion 49.90 (49.60 to 50.60): VN052470.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN052665.D (-1) (-)

2.06

400000

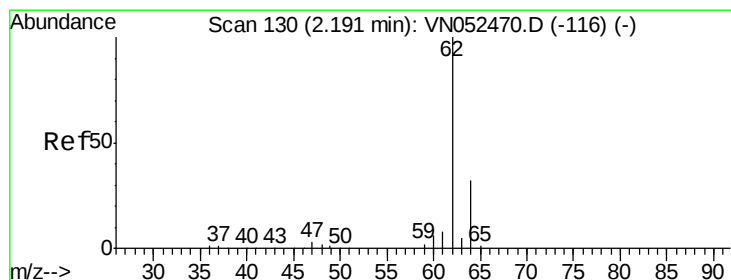
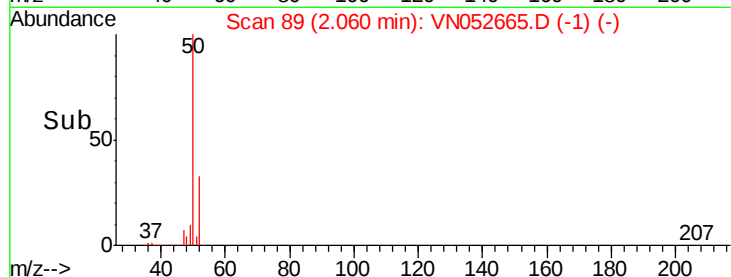
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 43.374 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052665.D

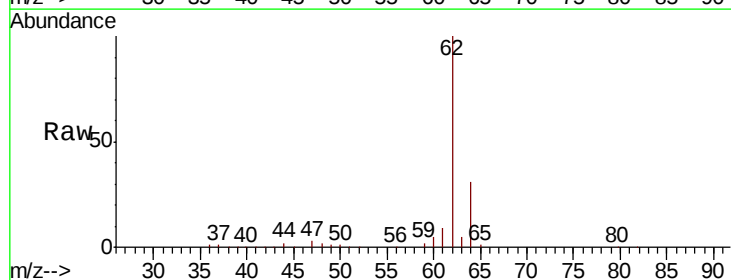
Acq: 5 Dec 2018 9:59

Tgt Ion: 62 Resp: 549936

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN052470.D (-116) (-)

Ion 63.90 (63.60 to 64.60): VN052665.D (-37) (-)

2.19

400000

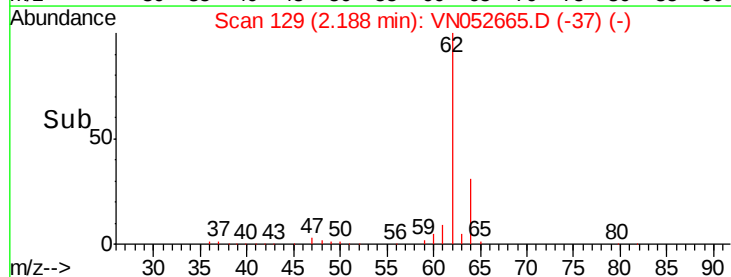
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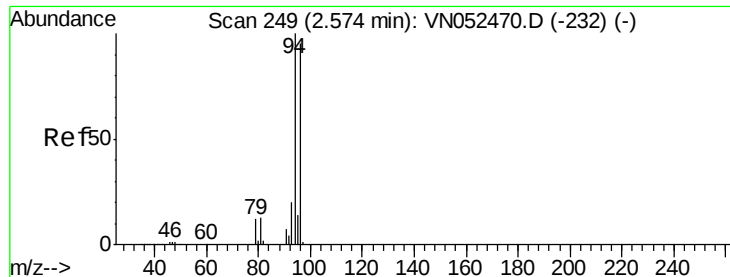
200000

100000

0

Time-->





#5

Bromomethane

Concen: 42.801 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 338597

Ion Ratio Lower Upper

94 100

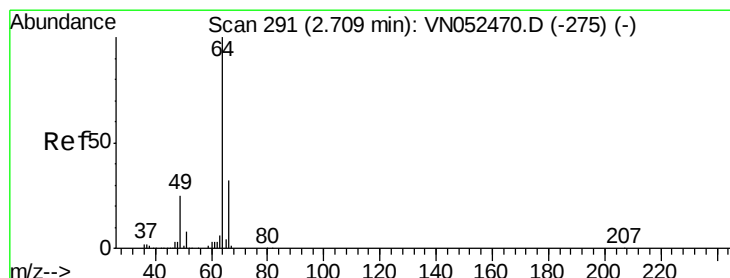
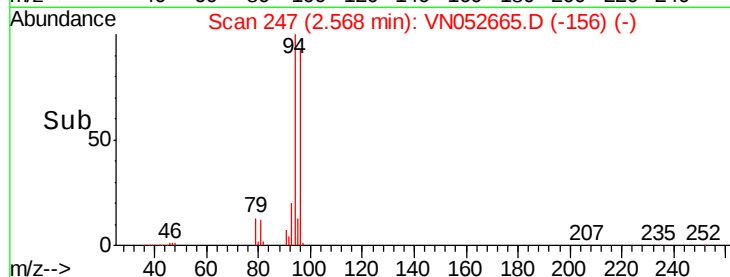
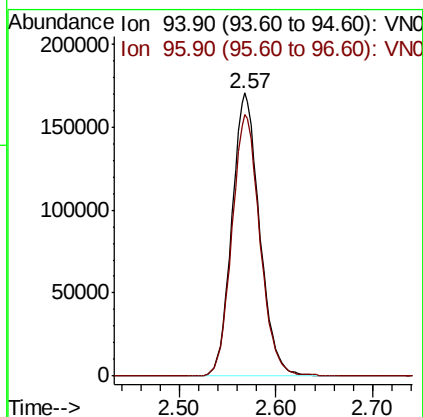
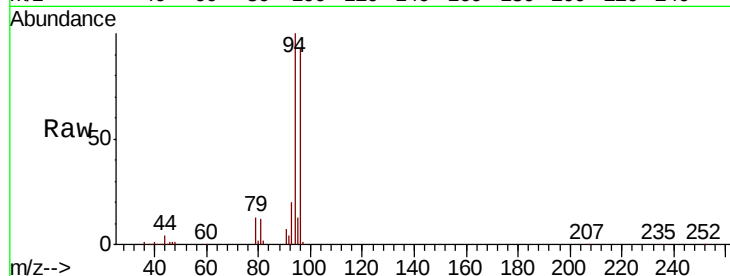
96 92.6 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

12/6/2018 9:08:53 AM



#6

Chloroethane

Concen: 43.029 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052665.D

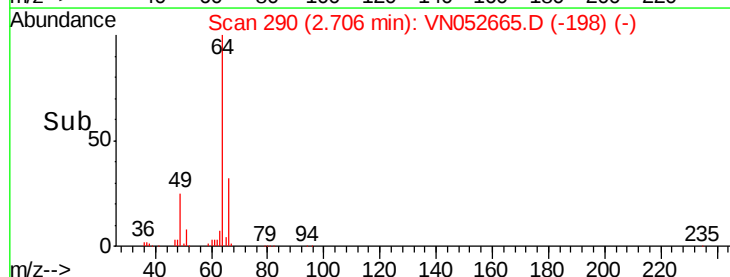
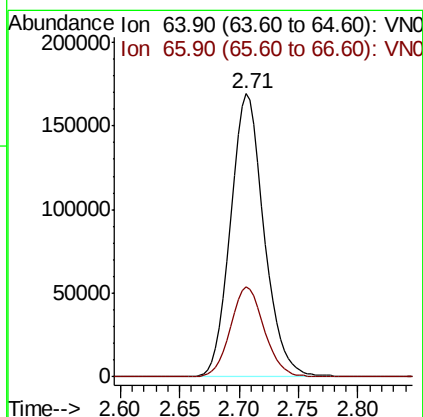
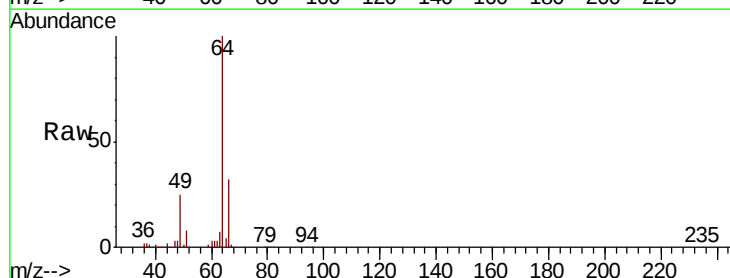
Acq: 5 Dec 2018 9:59

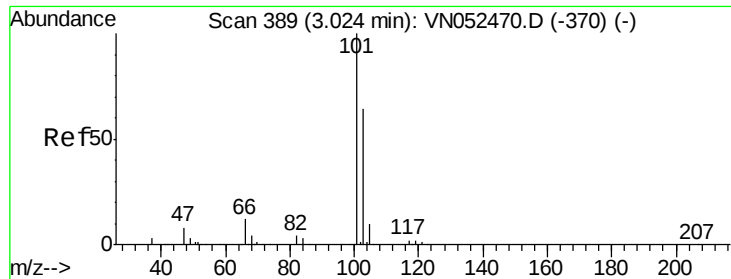
Tgt Ion: 64 Resp: 330462

Ion Ratio Lower Upper

64 100

66 31.8 25.7 38.5





#7

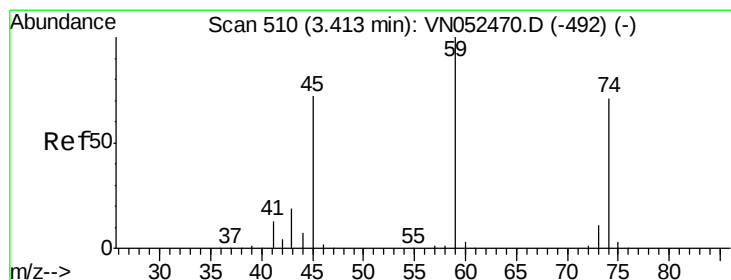
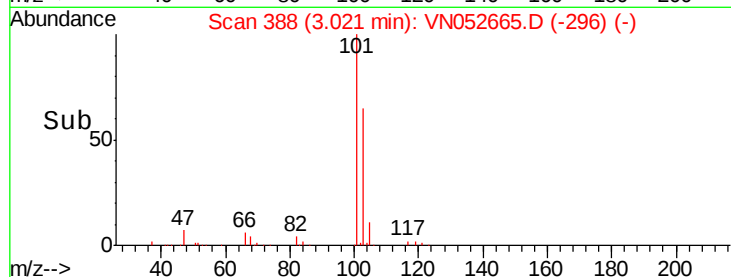
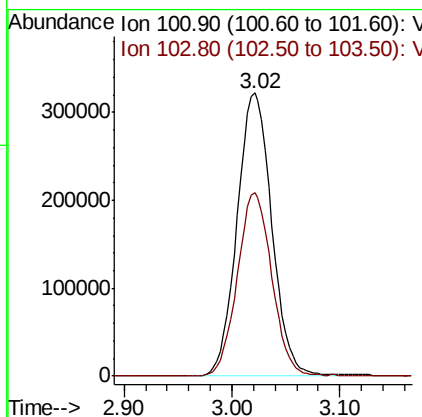
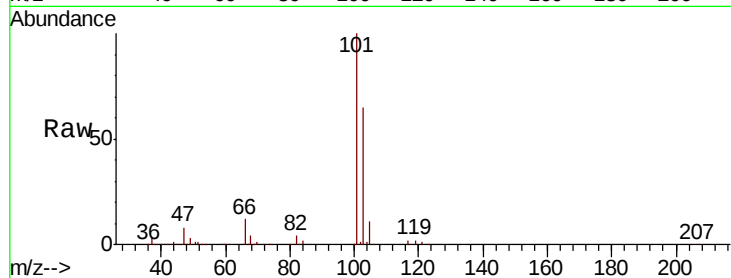
Trichlorofluoromethane  
Concen: 46.352 ug/l  
RT: 3.02 min Scan# 388  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.1  | 51.4  | 77.2  |

Manual Integrations  
APPROVED

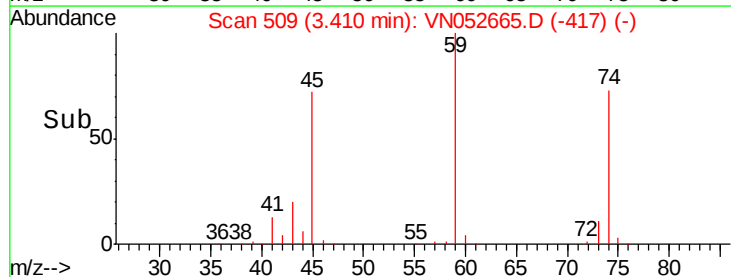
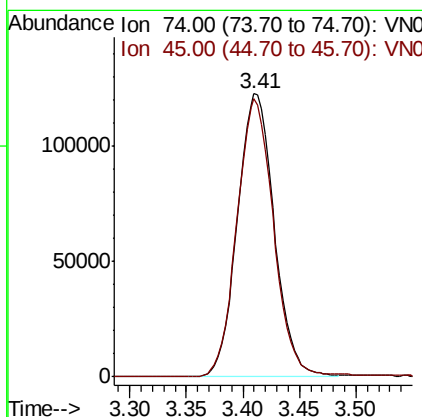
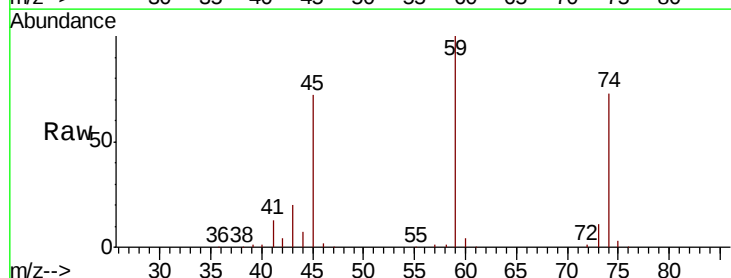
MMDadoda  
12/6/2018 9:08:53 AM

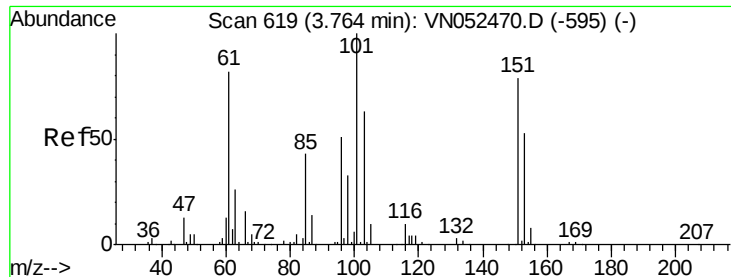


#8

Diethyl Ether  
Concen: 48.443 ug/l  
RT: 3.41 min Scan# 509  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 97.8  | 50.4  | 151.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.445 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

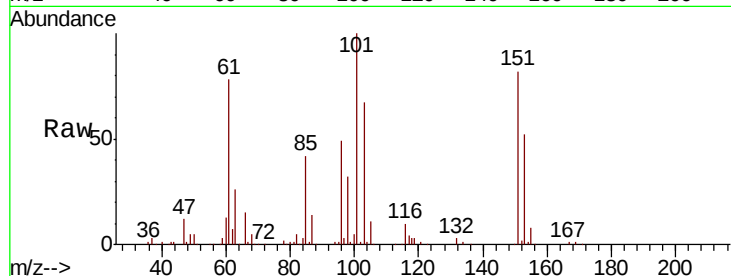
ClientSampleId :

VSTDCCC050

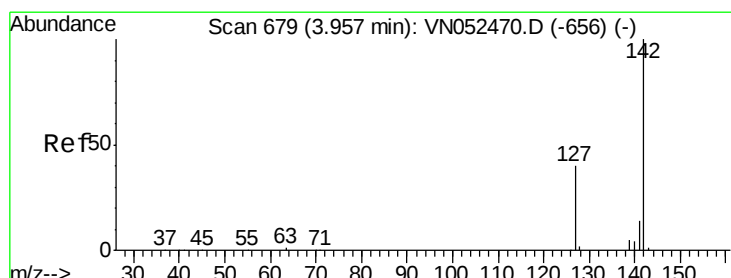
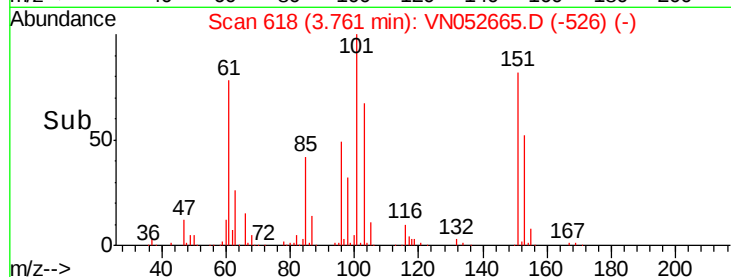
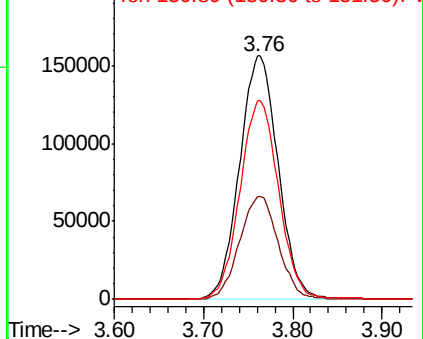
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 470788 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.5  | 34.2  | 51.4   |
| 151       | 81.6  | 64.6  | 96.8   |

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12/6/2018 9:08:53 AM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VN  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.258 ug/l

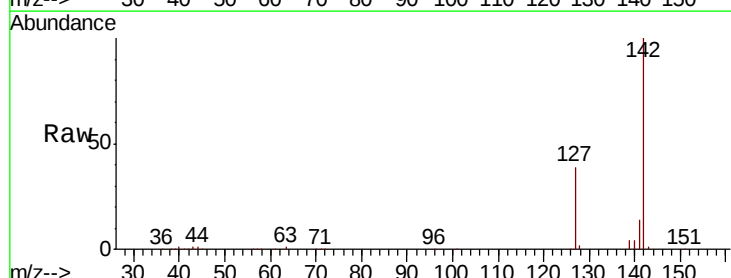
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

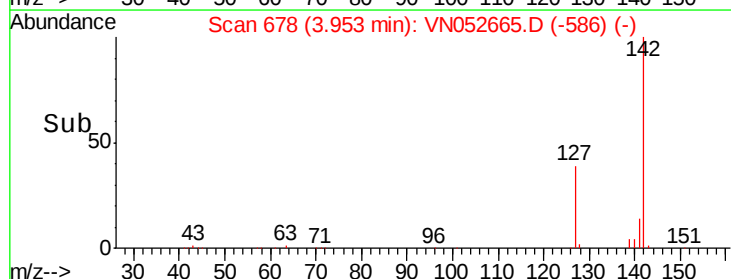
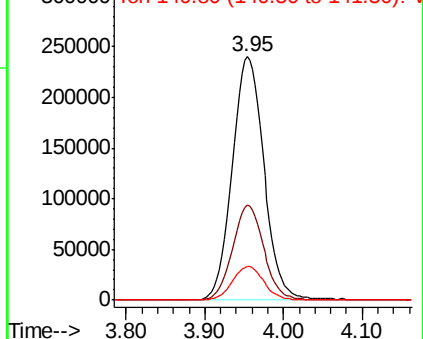
Lab File: VN052665.D

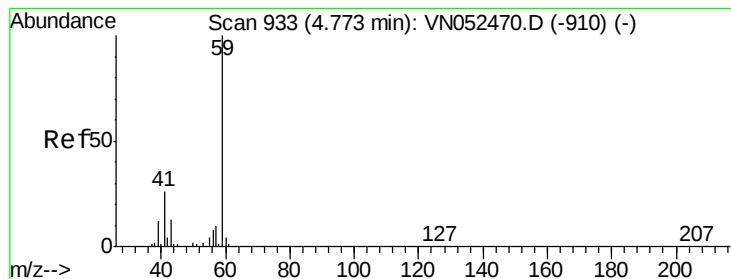
Acq: 5 Dec 2018 9:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 676397 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.5  | 31.8  | 47.6   |
| 141       | 13.7  | 11.4  | 17.0   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

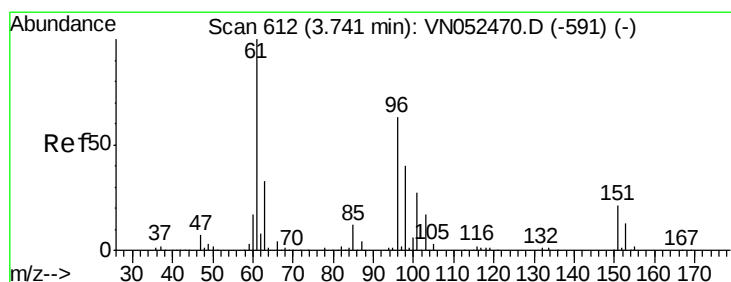
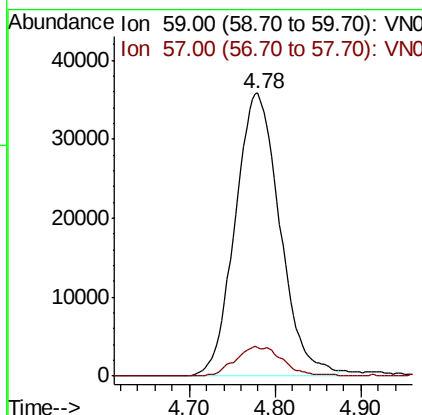
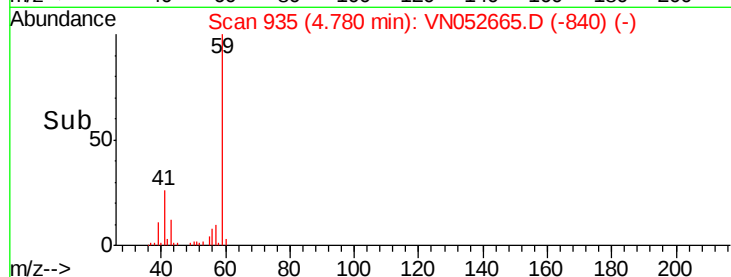
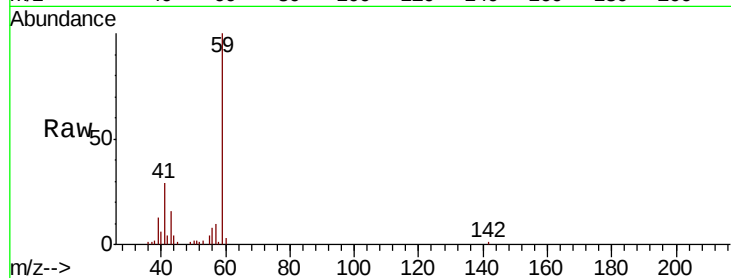
Tert butyl alcohol  
Concen: 238.128 ug/l  
RT: 4.78 min Scan# 935  
Delta R.T. 0.01 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 5.9   | 7.9   | 11.9# |

Manual Integrations  
APPROVED

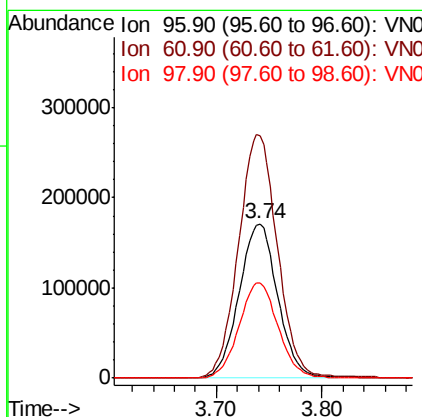
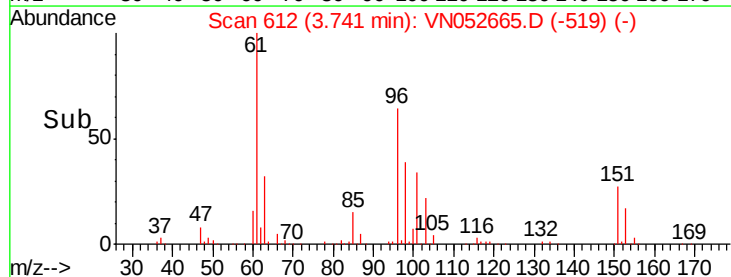
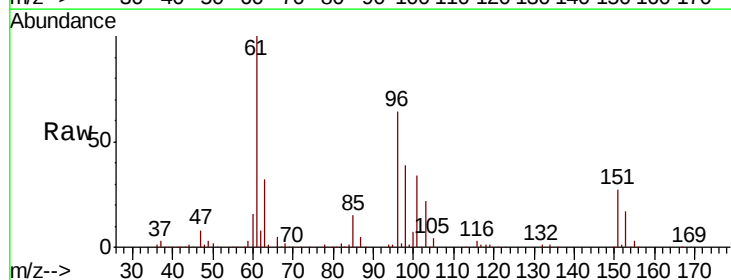
MMDadoda  
12/6/2018 9:08:53 AM

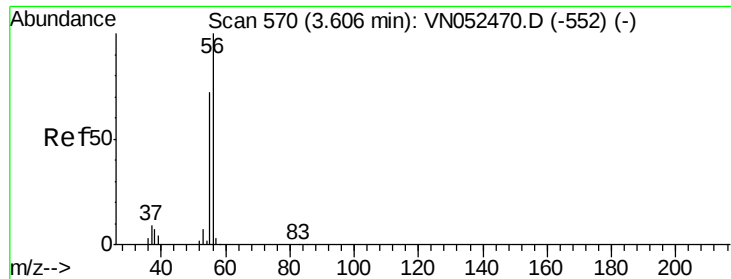


#12

1,1-Dichloroethene  
Concen: 46.575 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.1 | 127.0 | 190.6 |
| 98      | 61.4  | 50.3  | 75.5  |





#13

Acrolein

Concen: 303.197 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 286843

Ion Ratio Lower Upper

56 100

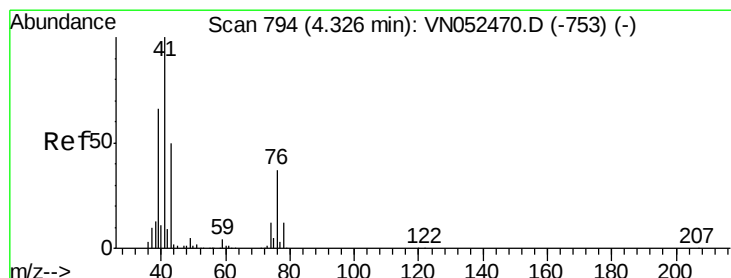
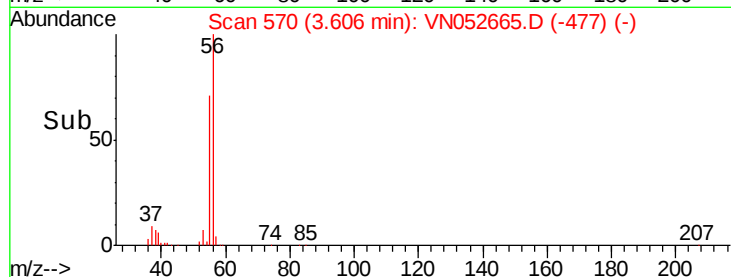
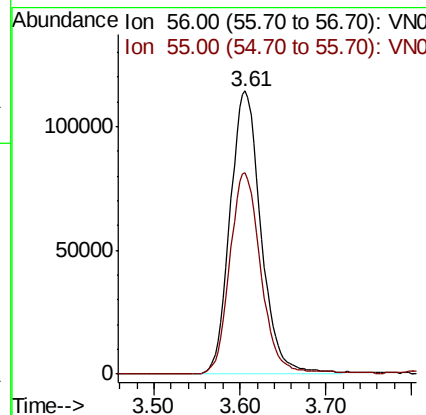
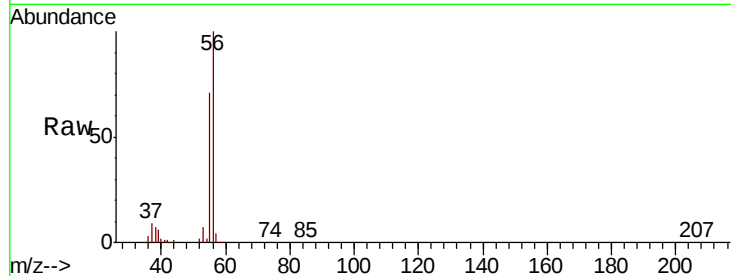
55 70.6 56.8 85.2

Manual Integrations

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12/6/2018 9:08:53 AM



#14

Allyl chloride

Concen: 47.579 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

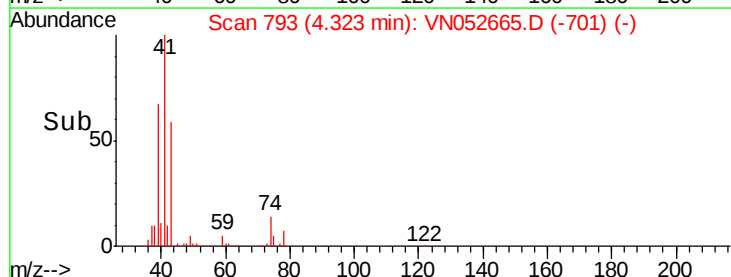
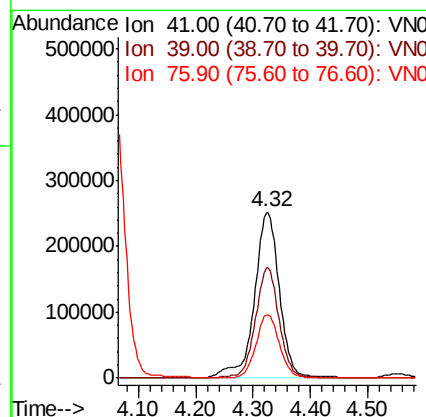
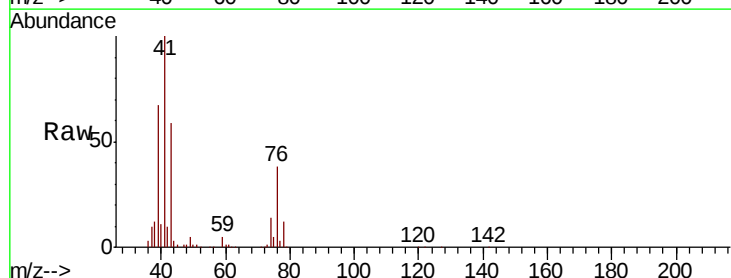
Tgt Ion: 41 Resp: 767084

Ion Ratio Lower Upper

41 100

39 63.3 50.6 76.0

76 35.2 27.4 41.2





#15

Acrylonitrile

Concen: 244.713 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

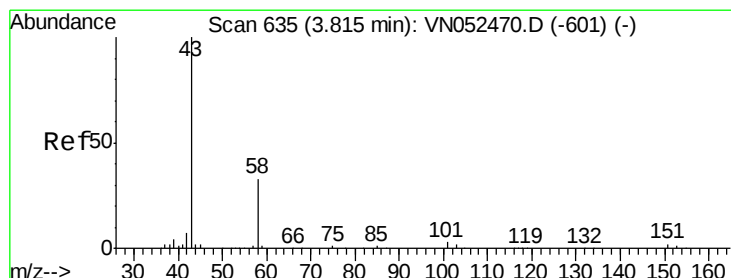
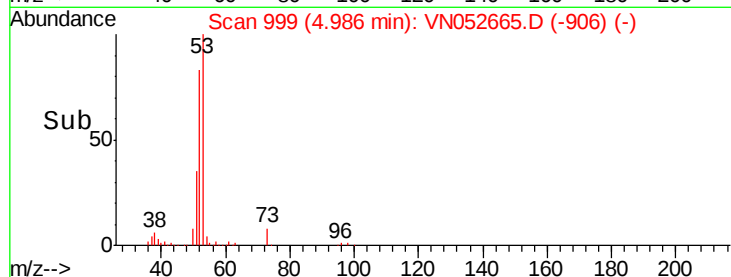
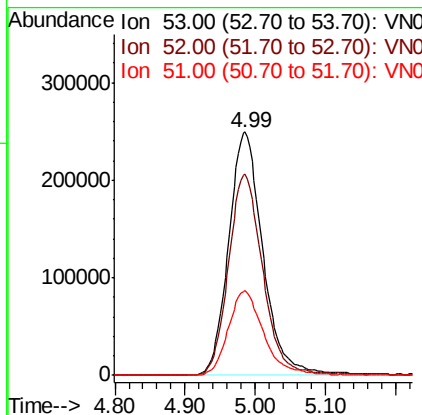
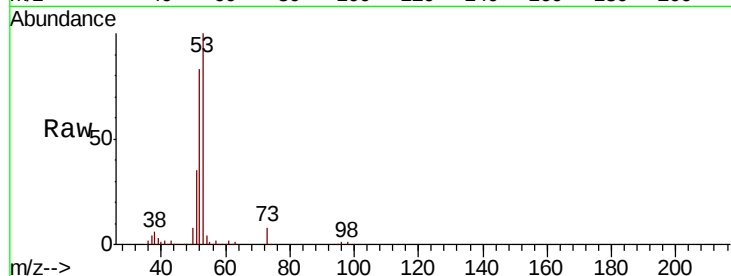
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 843215 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.7  | 66.2  | 99.2   |
| 51        | 36.0  | 28.1  | 42.1   |

Manual Integrations  
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12/6/2018 9:08:53 AM



#16

Acetone

Concen: 267.306 ug/l

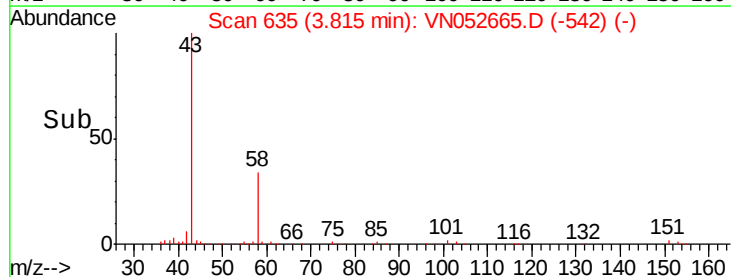
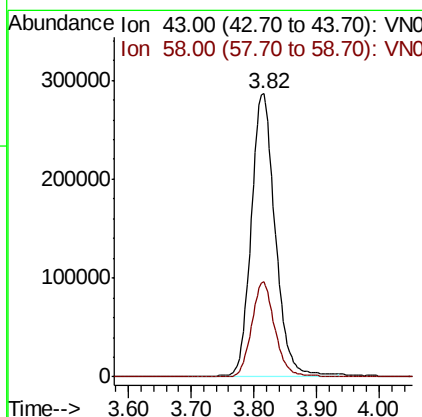
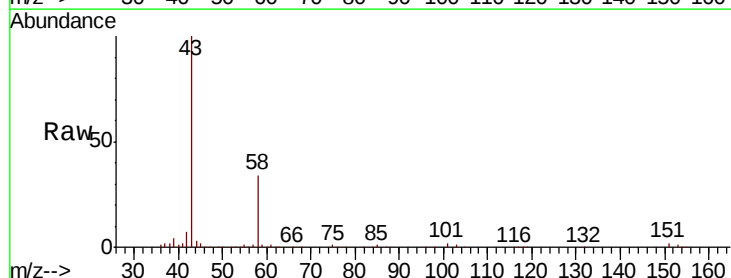
RT: 3.82 min Scan# 635

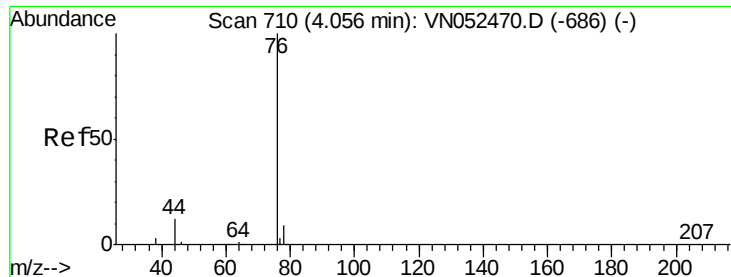
Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 766604 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.5  | 26.0  | 39.0   |





#17

Carbon Disulfide

Concen: 41.272 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1214960

Ion Ratio Lower Upper

76 100

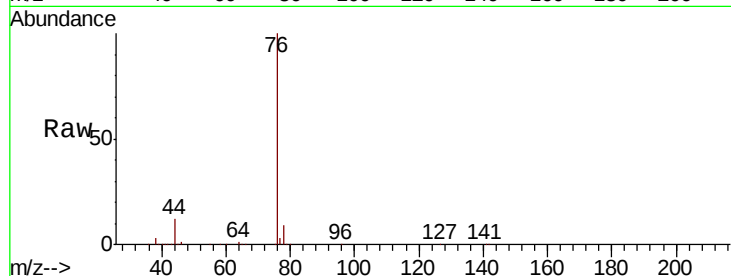
78 9.0 7.4 11.0

Manual Integrations

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MMDadoda

12/6/2018 9:08:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-686) (-)

4.05

500000

400000

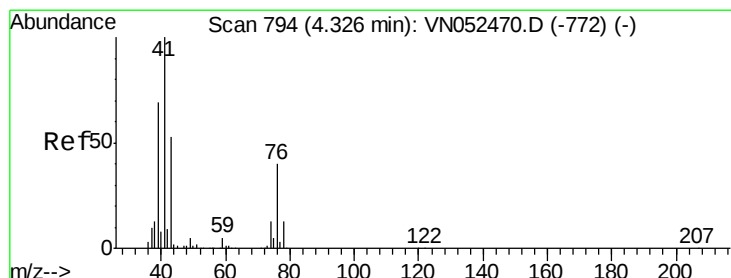
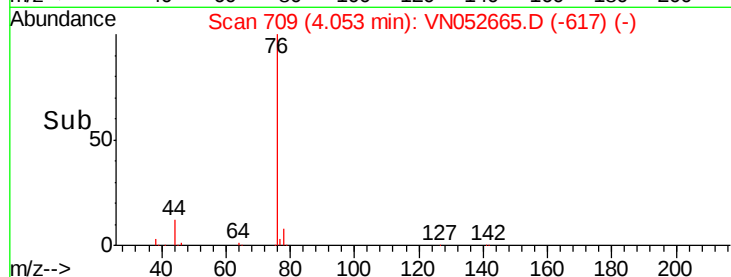
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 52.465 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052665.D

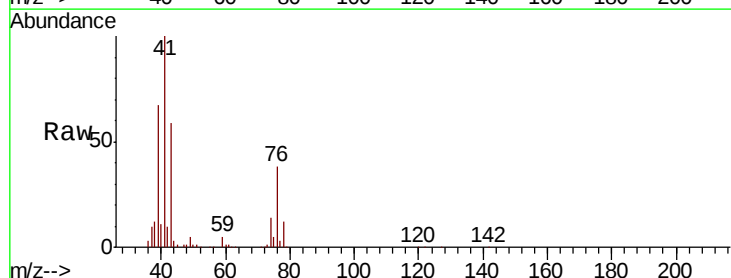
Acq: 5 Dec 2018 9:59

Tgt Ion: 43 Resp: 431599

Ion Ratio Lower Upper

43 100

74 23.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN052470.D (-772) (-)

4.32

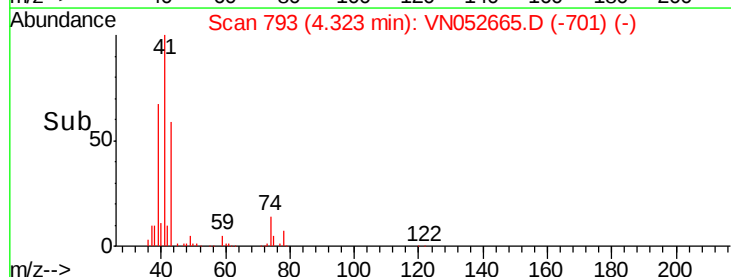
150000

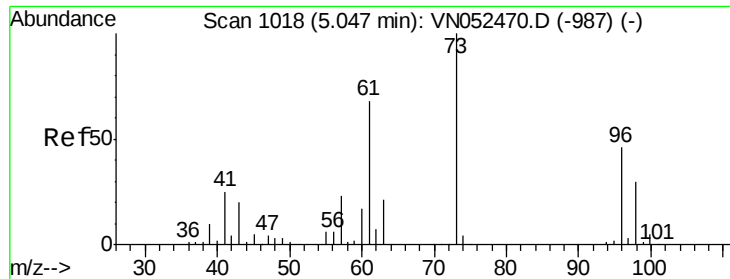
100000

50000

0

Time--> 4.20 4.30 4.40 4.50





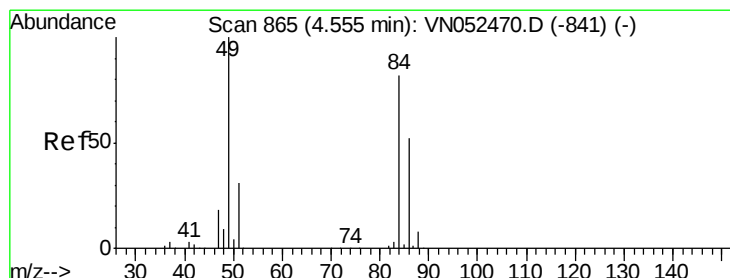
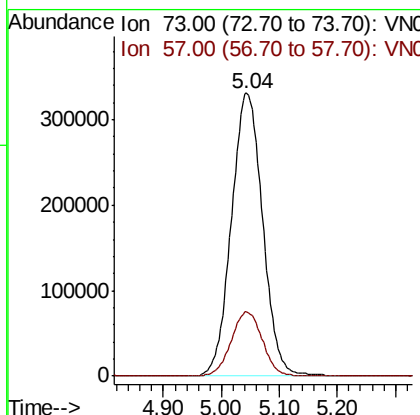
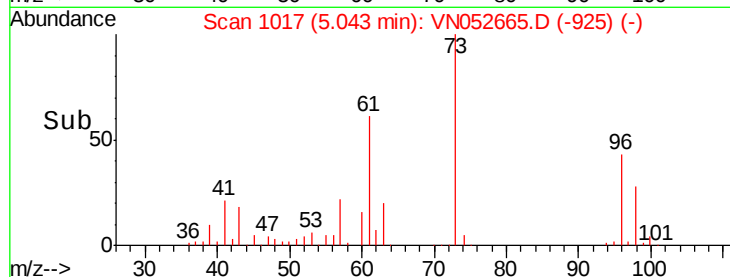
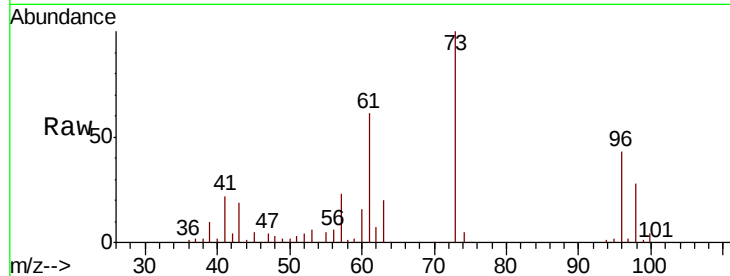
#19  
Methyl tert-butyl Ether  
Concen: 49.897 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 1241867  
Ion Ratio Lower Upper  
73 100  
57 22.9 18.2 27.2

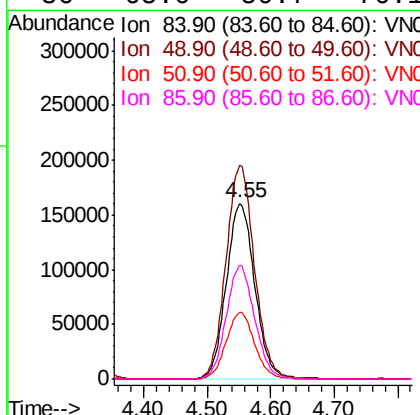
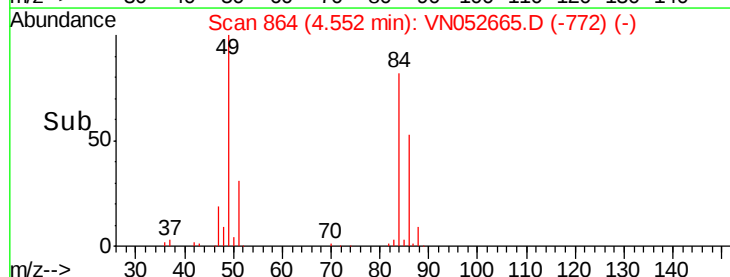
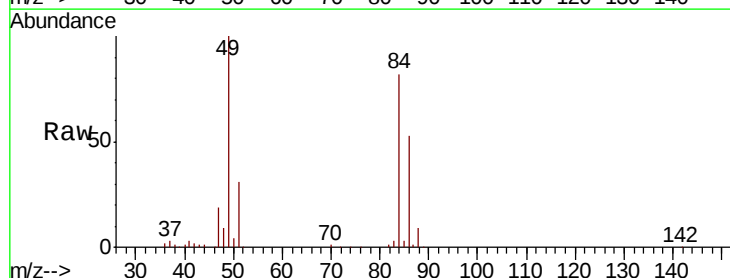
Manual Integrations  
APPROVED

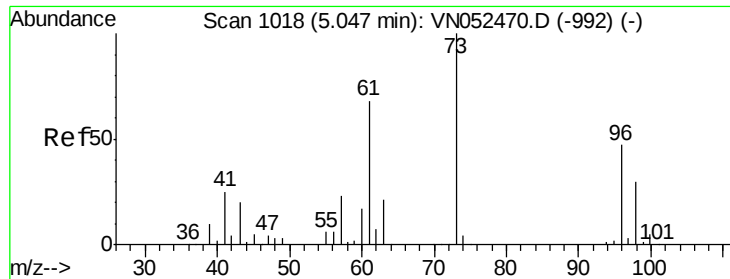
MMDadoda  
12/6/2018 9:08:53 AM



#20  
Methylene Chloride  
Concen: 44.641 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Tgt Ion: 84 Resp: 500995  
Ion Ratio Lower Upper  
84 100  
49 121.7 98.0 147.0  
51 37.8 30.1 45.1  
86 65.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 46.510 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 464669

Ion Ratio Lower Upper

96 100

61 142.3 117.0 175.4

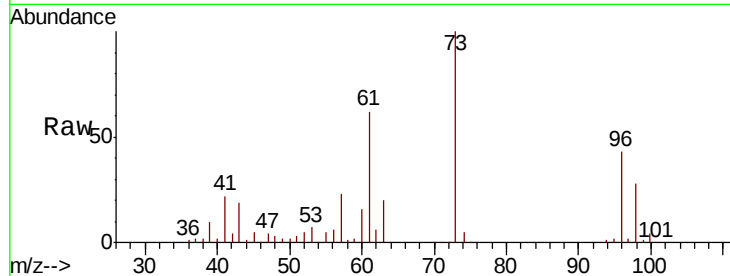
98 65.0 51.8 77.6

Manual Integrations

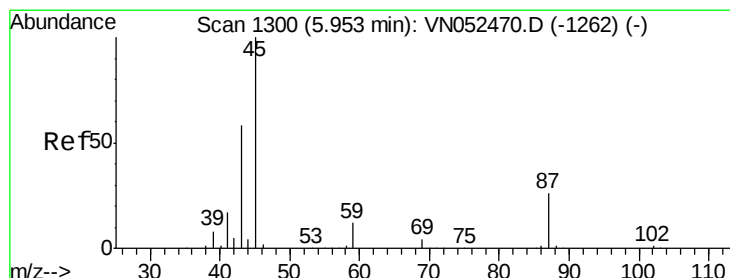
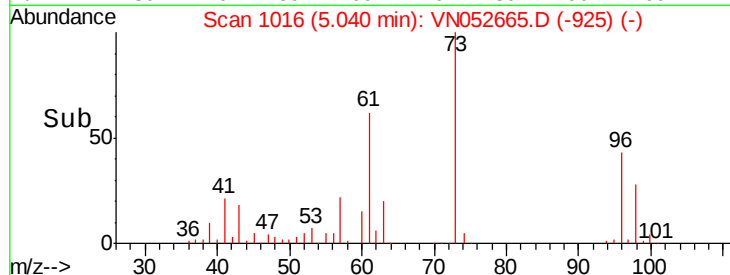
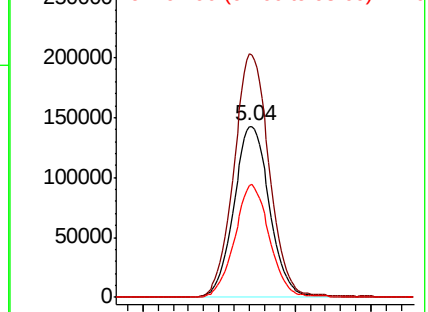
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12/6/2018 9:08:53 AM



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



#22

Diisopropyl ether

Concen: 47.685 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Tgt Ion: 45 Resp: 1614879

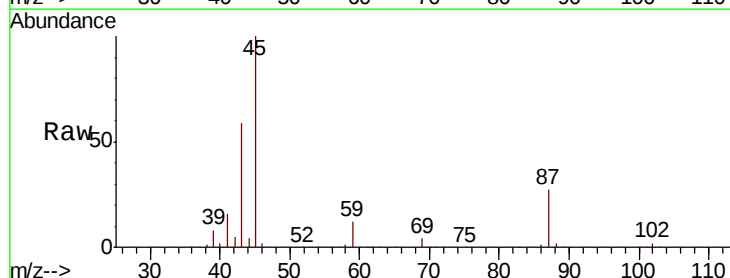
Ion Ratio Lower Upper

45 100

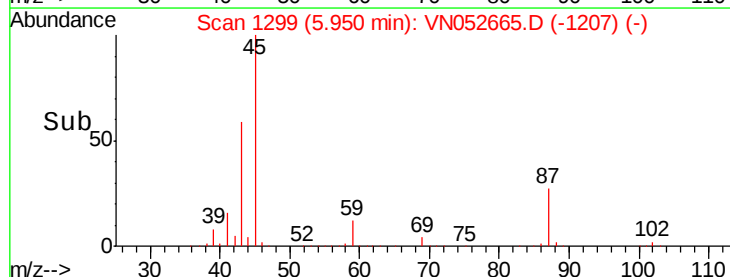
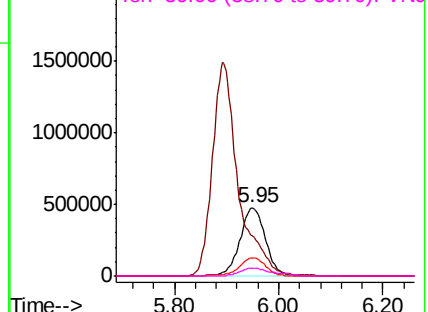
43 58.0 46.1 69.1

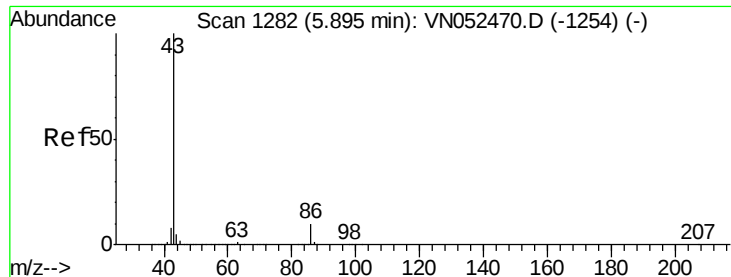
87 27.3 21.3 31.9

59 12.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 87.00 (86.70 to 87.70): VNC  
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 244.487 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 5157010

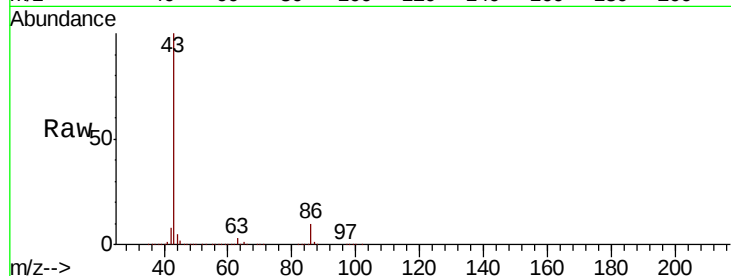
Ion Ratio Lower Upper

43 100

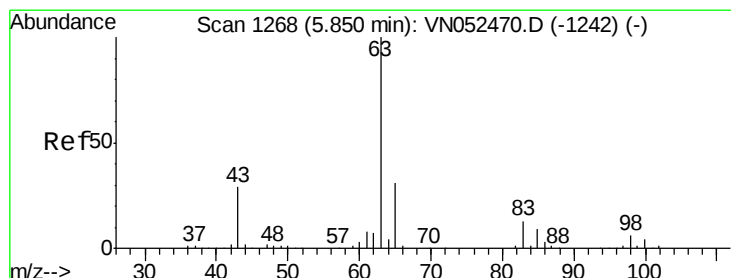
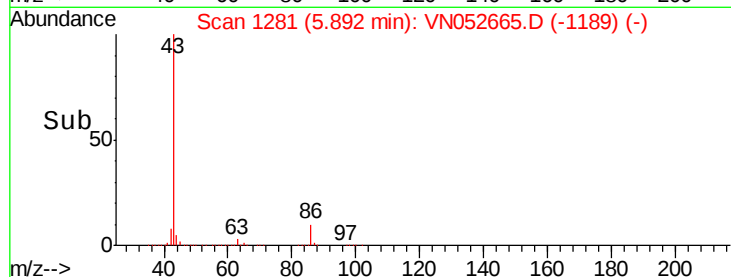
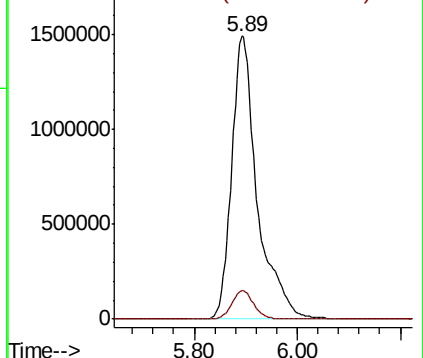
86 10.1 7.8 11.8

Manual Integrations  
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Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 47.394 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

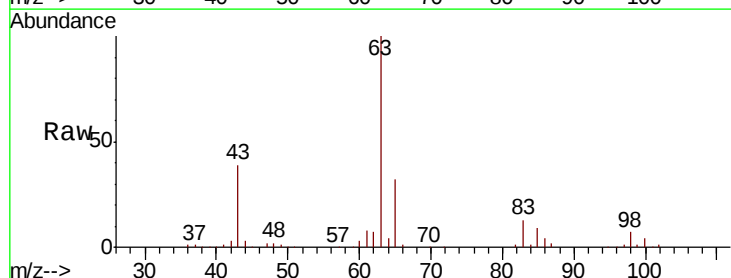
Tgt Ion: 63 Resp: 916414

Ion Ratio Lower Upper

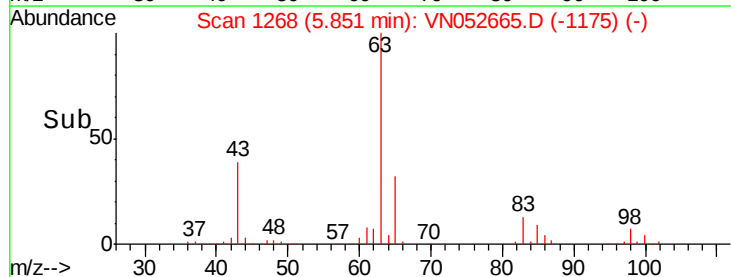
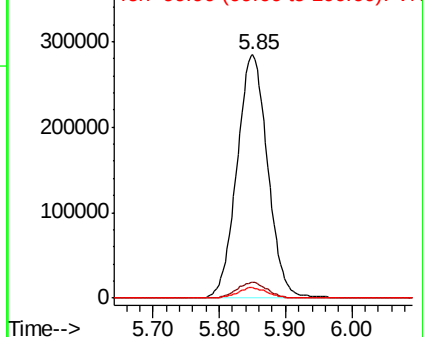
63 100

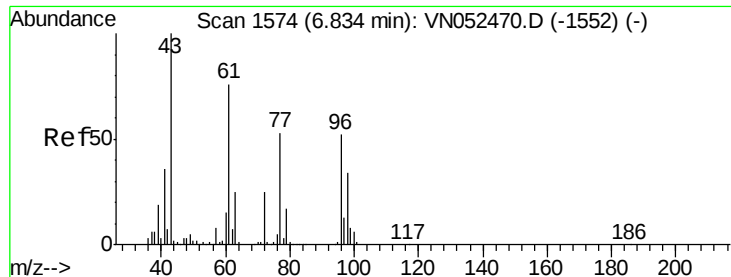
98 6.7 3.0 9.2

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO  
Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 257.915 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1048405

Ion Ratio Lower Upper

43 100

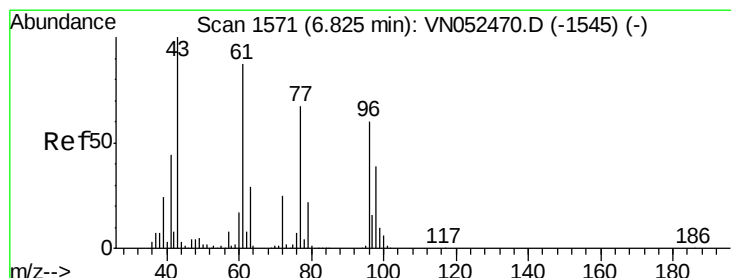
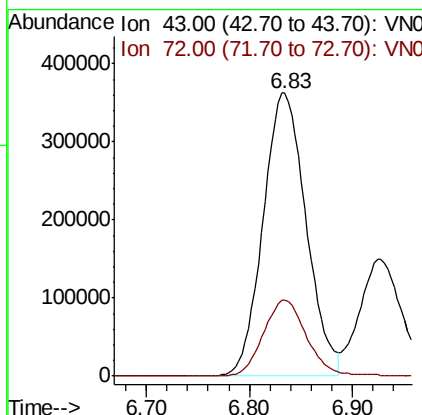
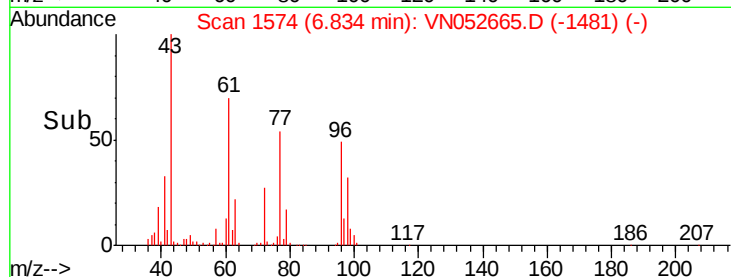
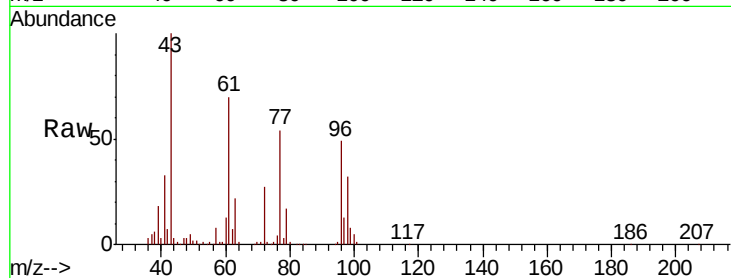
72 27.1 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 51.241 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052665.D

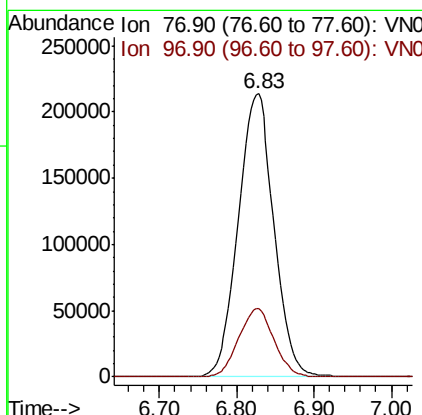
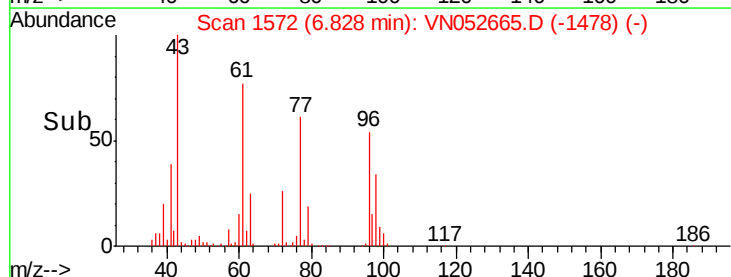
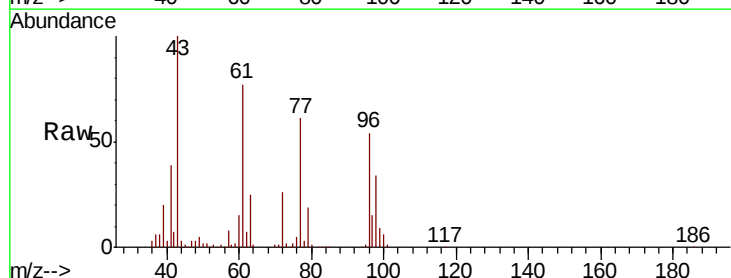
Acq: 5 Dec 2018 9:59

Tgt Ion: 77 Resp: 685798

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.551 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

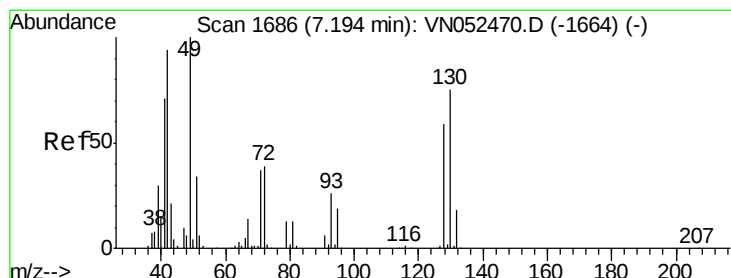
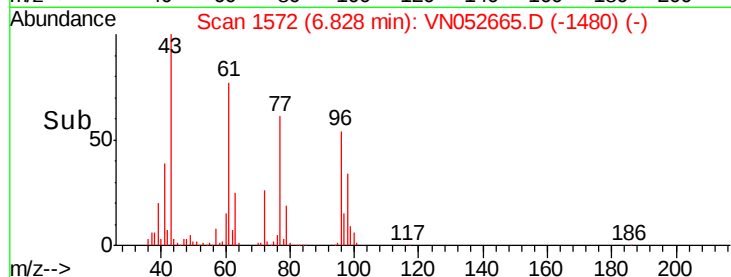
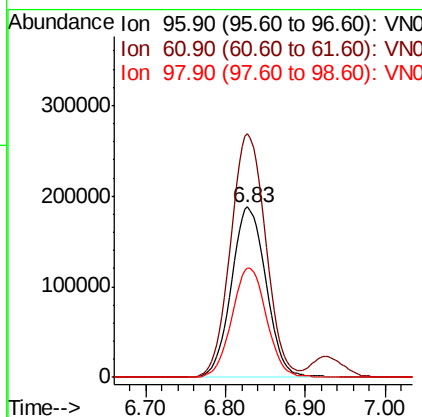
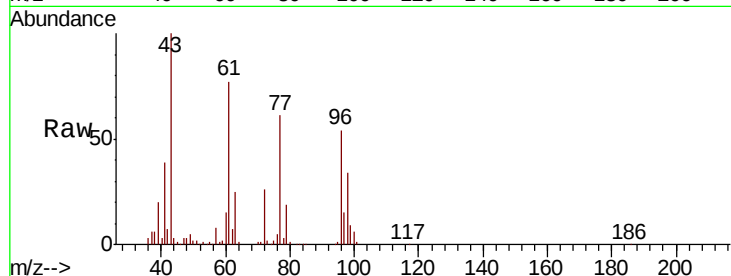
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 553395 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 144.6 | 0.0   | 291.0  |
| 98        | 64.0  | 0.0   | 130.0  |

Manual Integrations  
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#28

Bromochloromethane

Concen: 47.903 ug/l

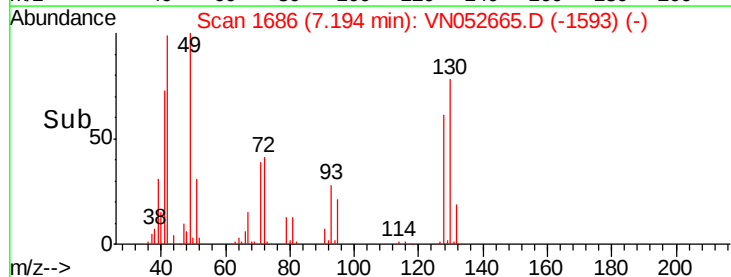
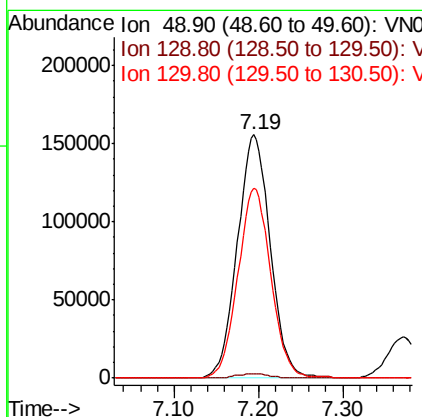
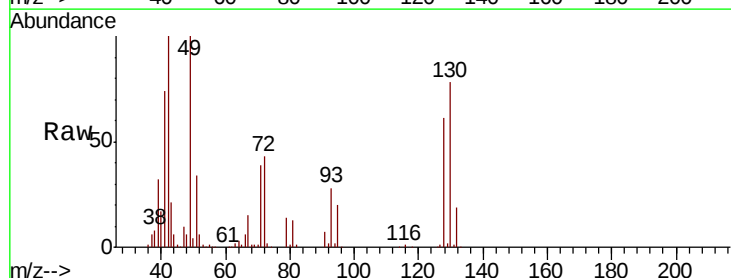
RT: 7.19 min Scan# 1686

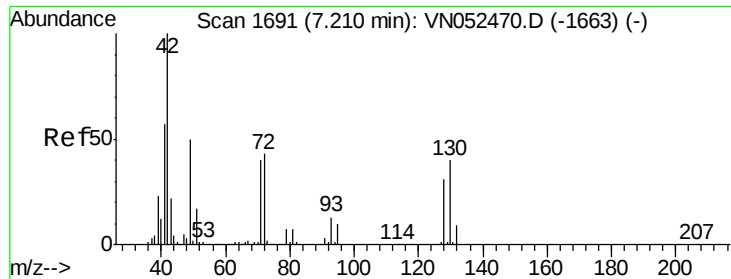
Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 423061 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 1.8   | 0.0   | 3.8    |
| 130       | 78.1  | 60.2  | 90.2   |





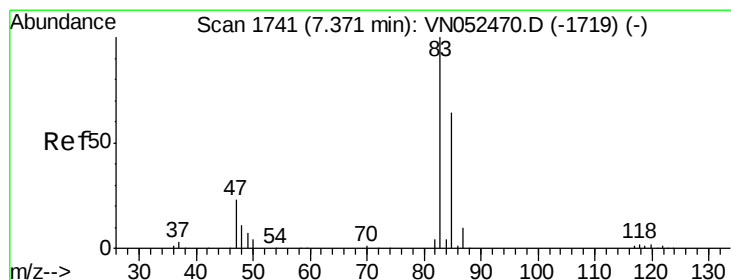
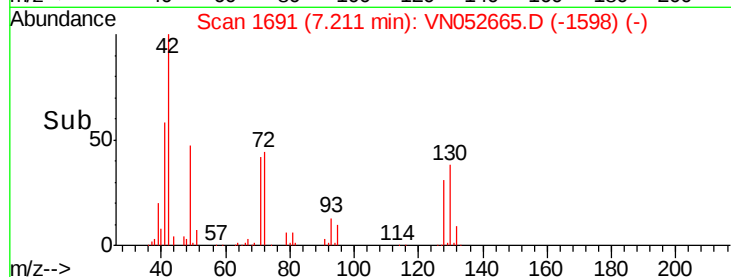
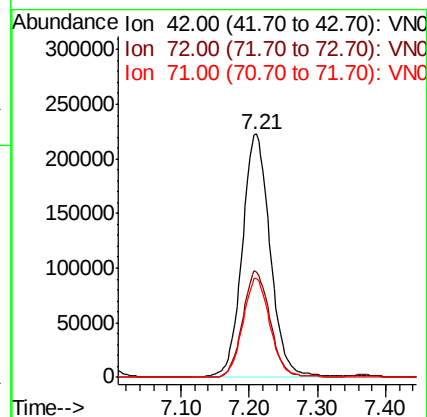
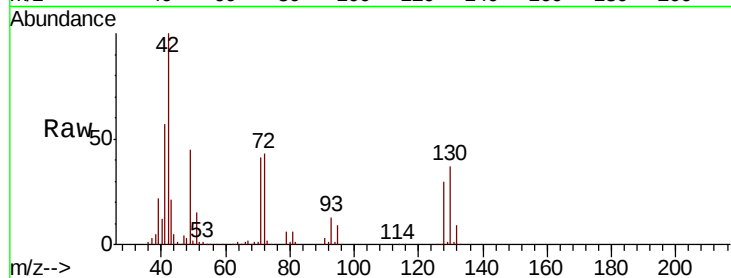
#29  
Tetrahydrofuran  
Concen: 241.240 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.8  | 33.3  | 49.9  |
| 71      | 39.9  | 32.0  | 48.0  |

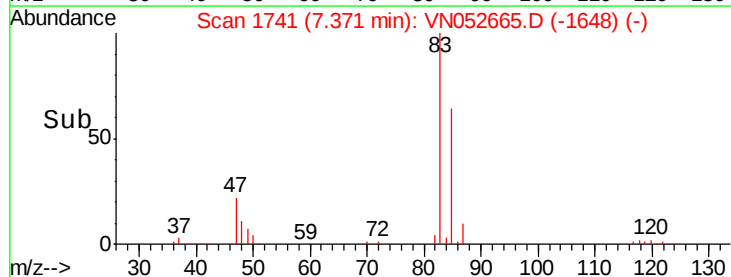
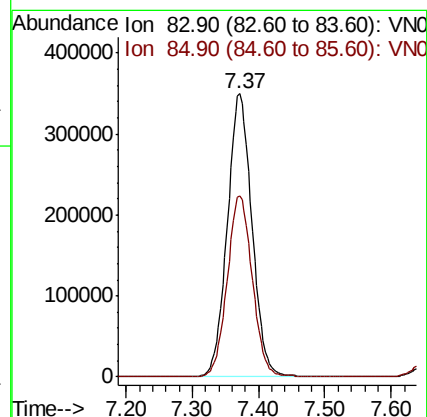
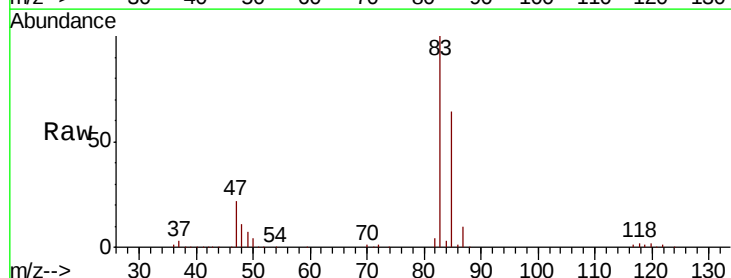
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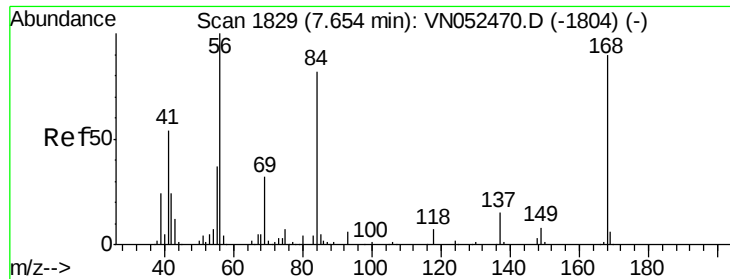
MMDadoda  
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#30  
Chloroform  
Concen: 46.838 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.0  | 51.0  | 76.4  |





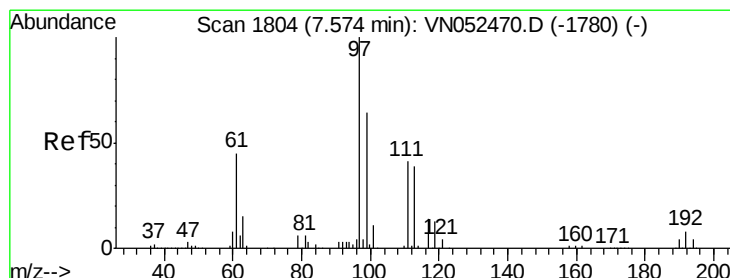
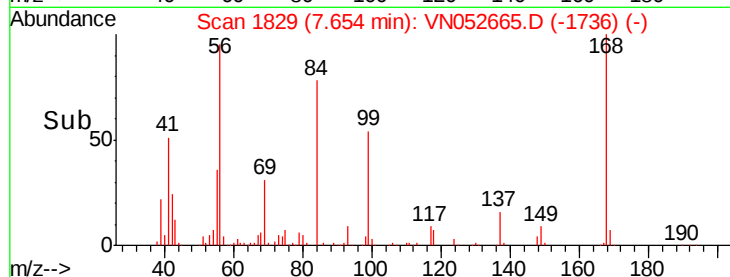
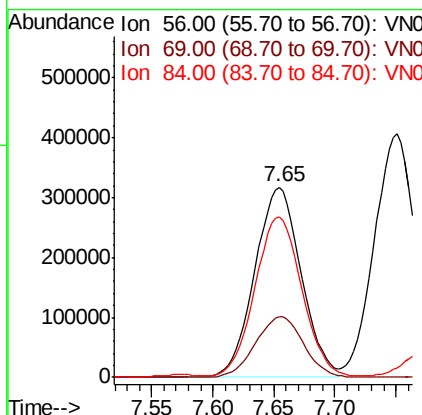
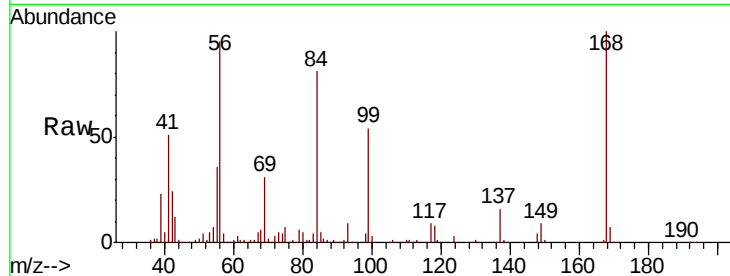
#31  
Cyclohexane  
Concen: 44.833 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.0  | 25.8  | 38.6  |
| 84      | 83.2  | 65.3  | 97.9  |

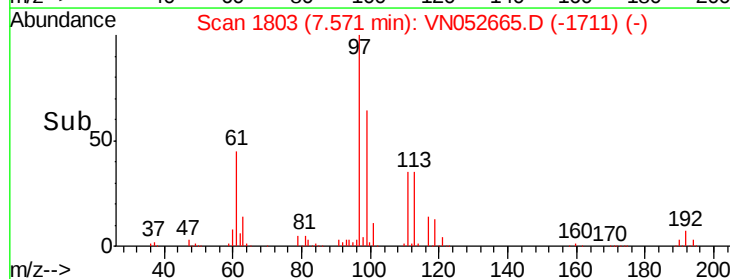
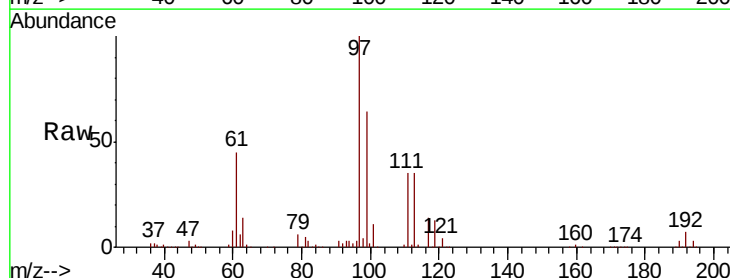
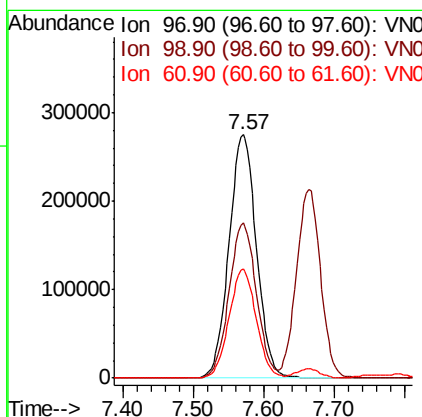
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#32  
1,1,1-Trichloroethane  
Concen: 48.858 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.5  | 51.7  | 77.5  |
| 61      | 44.4  | 36.8  | 55.2  |





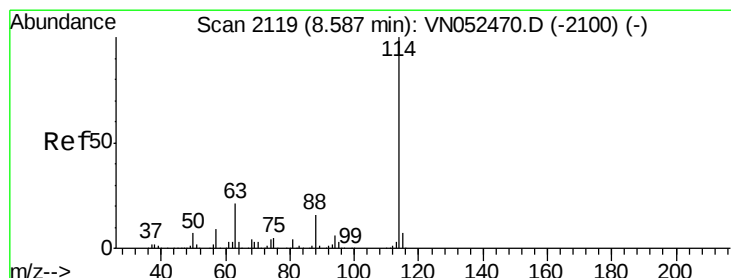
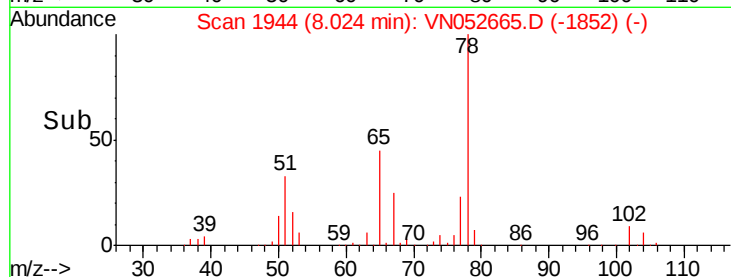
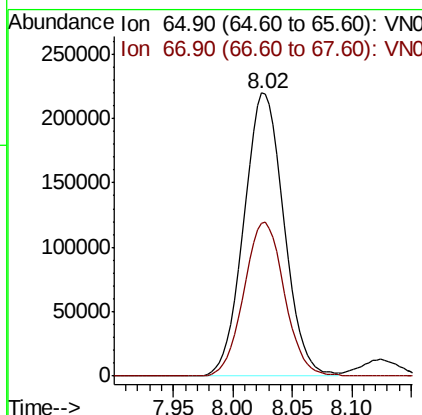
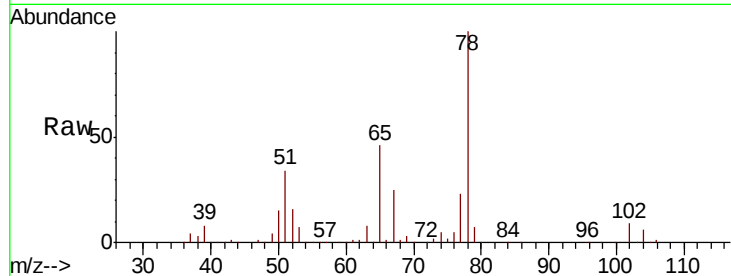
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.858 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 512819 |       |       |
| 67      | 55.0  | 0.0    | 109.8 |       |

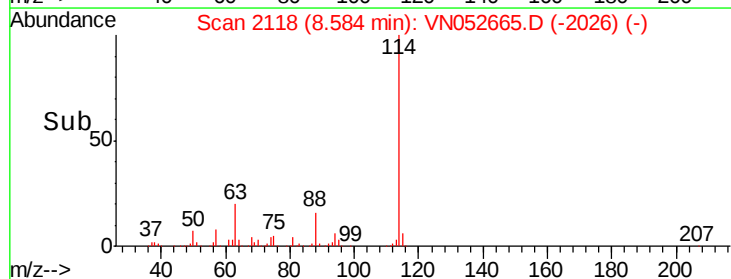
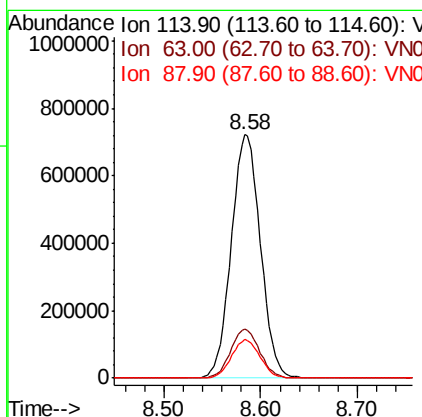
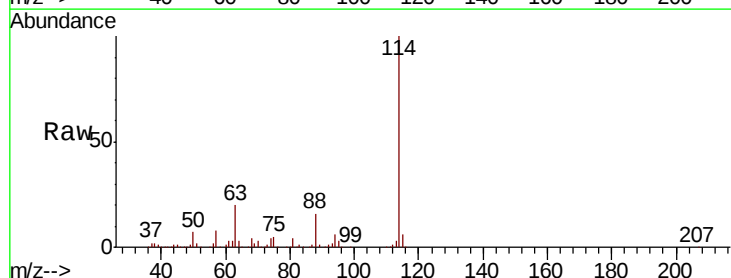
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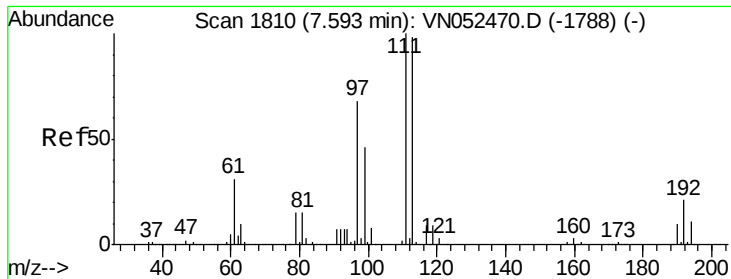
MMDadoda  
 12/6/2018 9:08:53 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1509955 |       |       |
| 63      | 20.3  | 0.0     | 41.8  |       |
| 88      | 15.8  | 0.0     | 31.6  |       |





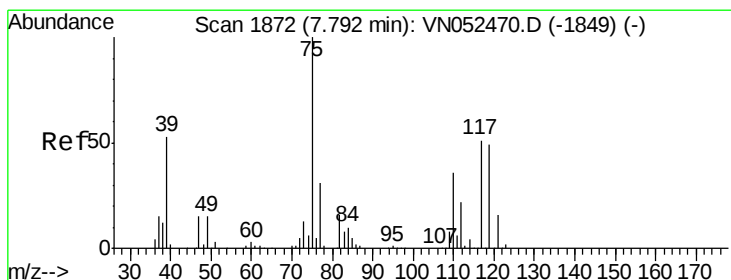
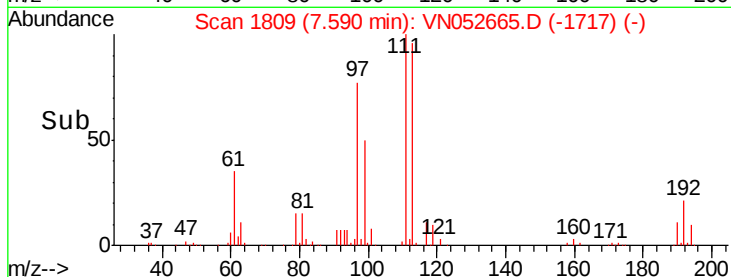
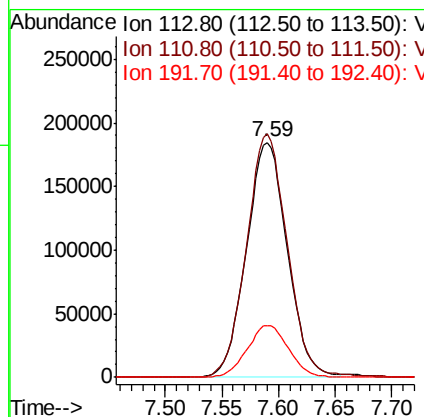
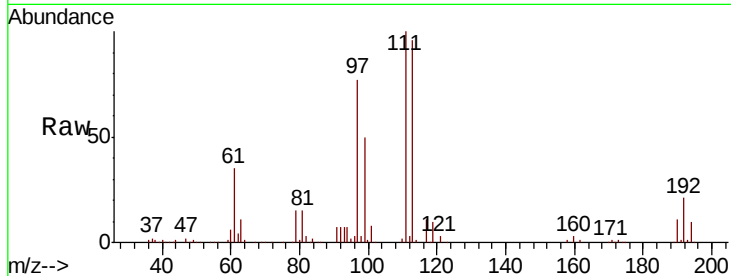
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 464245 |       |       |
| 111     | 103.8 | 82.0   | 123.0 |       |
| 192     | 22.5  | 17.0   | 25.6  |       |

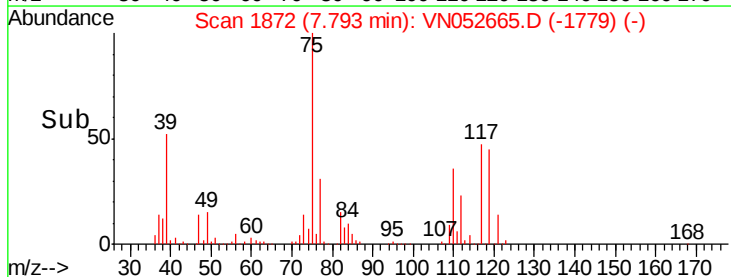
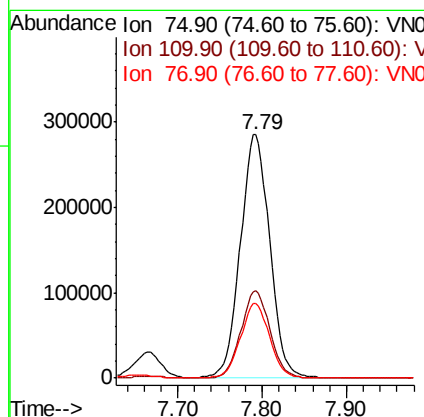
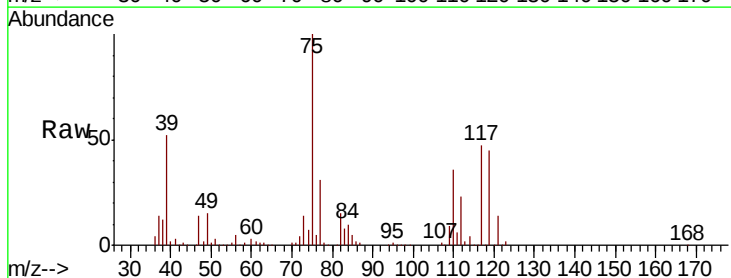
Manual Integrations  
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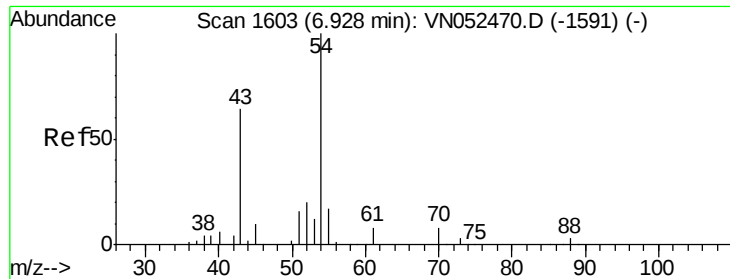
MMDadoda  
 12/6/2018 9:08:53 AM



#36  
 1,1-Dichloropropene  
 Concen: 48.372 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 689735 |       |       |
| 110     | 35.6  | 17.5   | 52.6  |       |
| 77      | 30.9  | 24.5   | 36.7  |       |





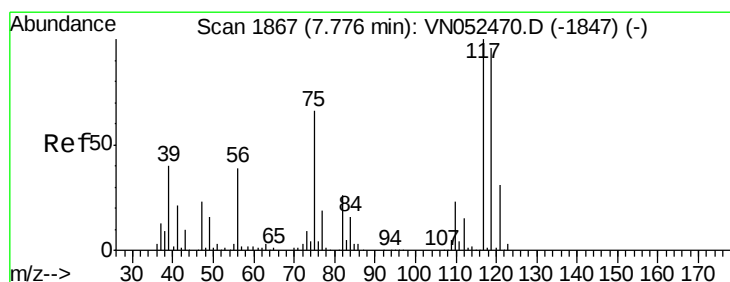
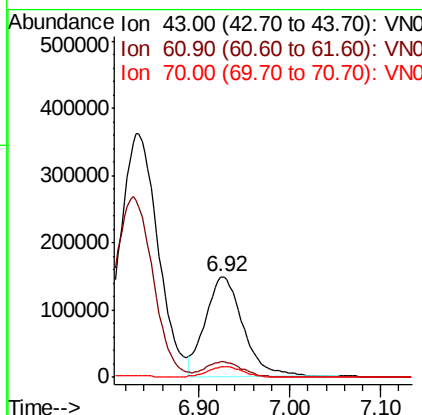
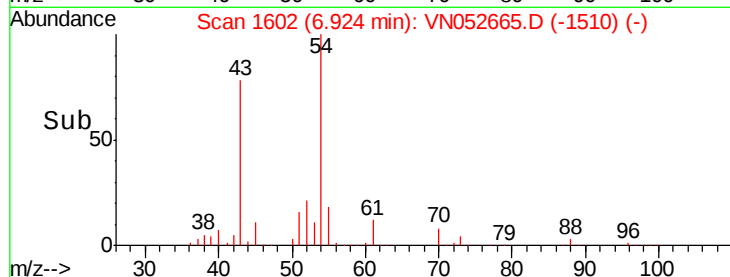
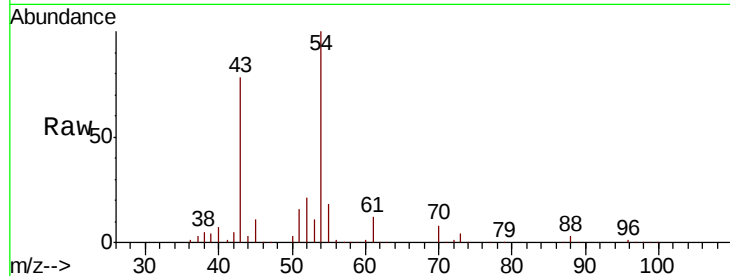
#37  
Ethyl Acetate  
Concen: 49.520 ug/l  
RT: 6.92 min Scan# 1602  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.2  | 11.8  | 17.8  |
| 70      | 10.4  | 7.8   | 11.8  |

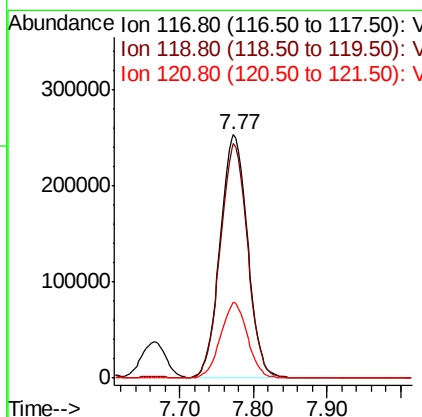
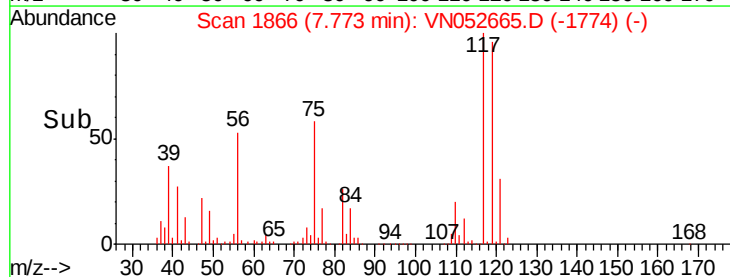
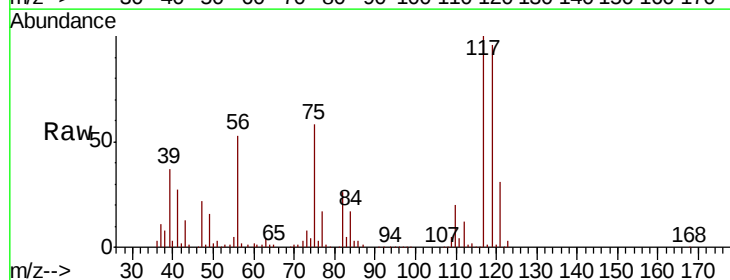
Manual Integrations  
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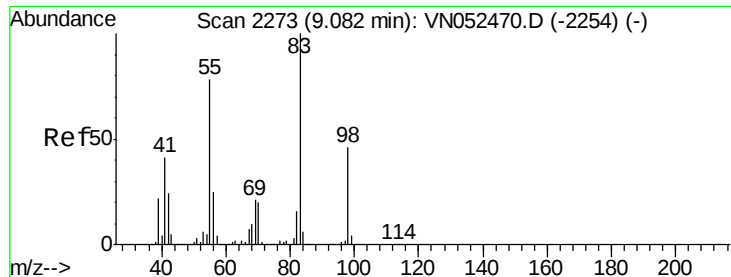
MMDadoda  
12/6/2018 9:08:53 AM



#38  
Carbon Tetrachloride  
Concen: 50.849 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 76.8  | 115.2 |
| 121     | 31.3  | 24.9  | 37.3  |





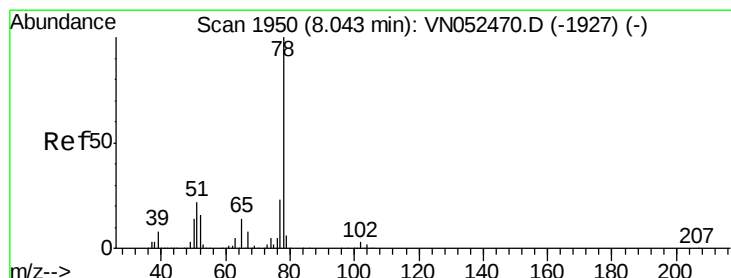
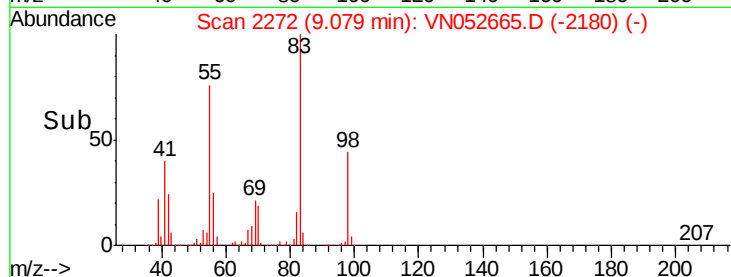
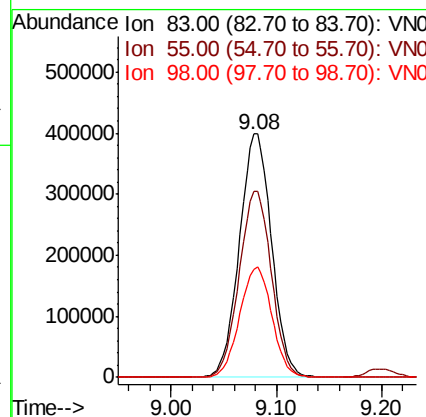
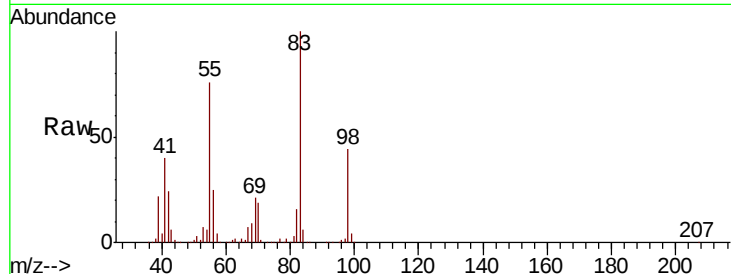
#39  
Methvlcvclohexane  
Concen: 48.777 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.3  | 62.2  | 93.2  |
| 98      | 44.4  | 36.4  | 54.6  |

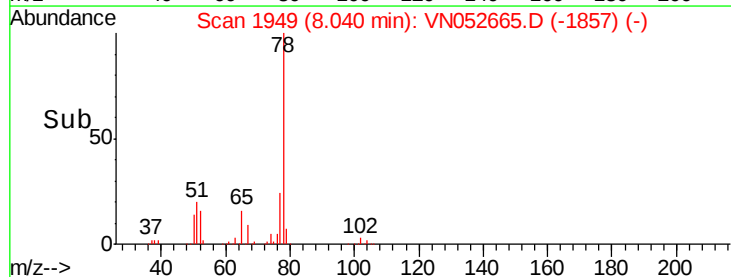
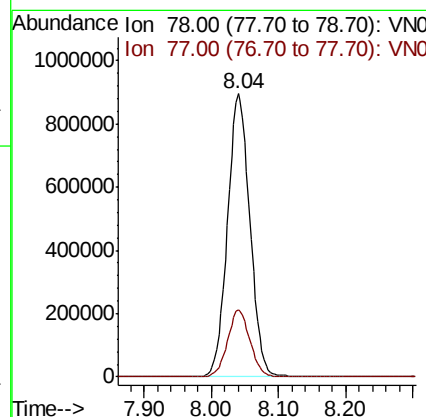
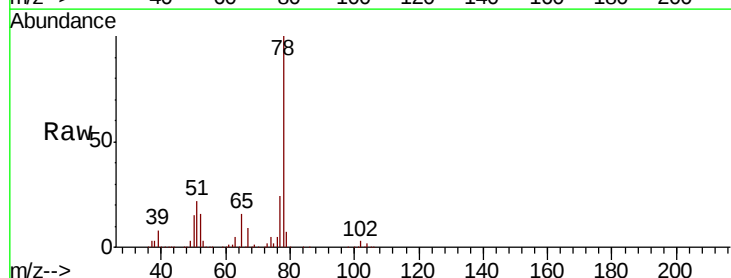
Manual Integrations  
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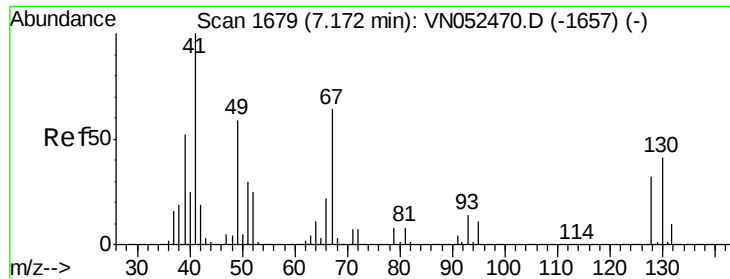
MMDadoda  
12/6/2018 9:08:53 AM



#40  
Benzene  
Concen: 48.886 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 18.8  | 28.2  |





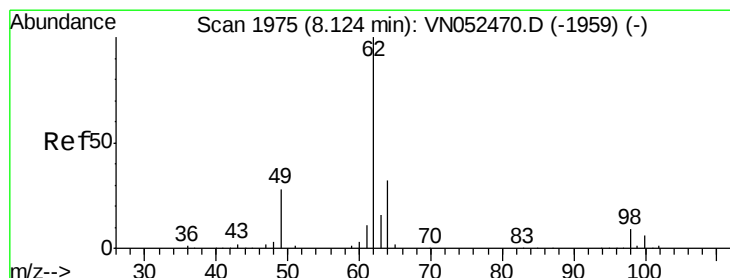
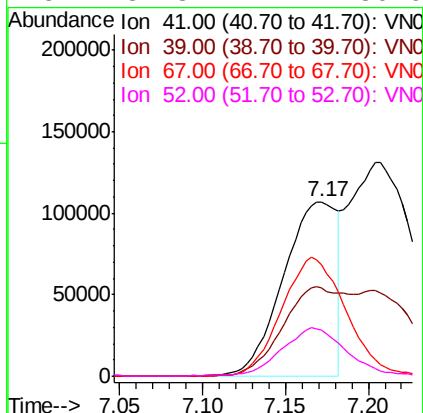
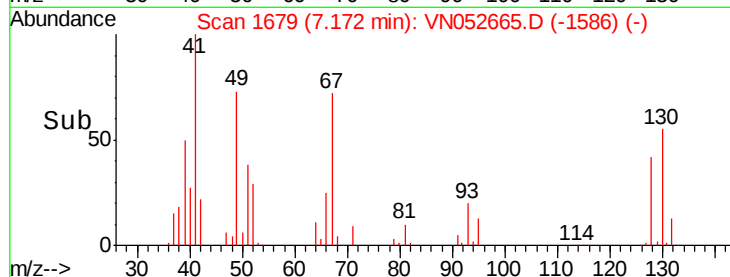
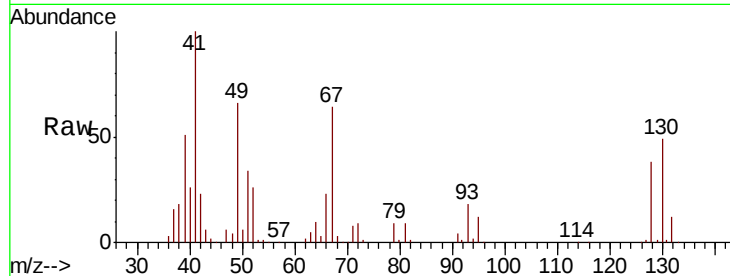
#41  
Methacrylonitrile  
Concen: 50.706 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 62.6  | 50.9  | 76.3  |
| 67      | 82.5  | 63.6  | 95.4  |
| 52      | 32.3  | 24.4  | 36.6  |

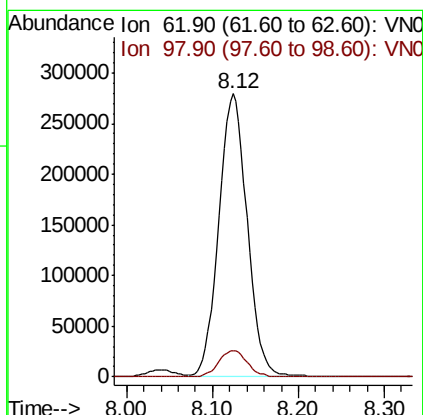
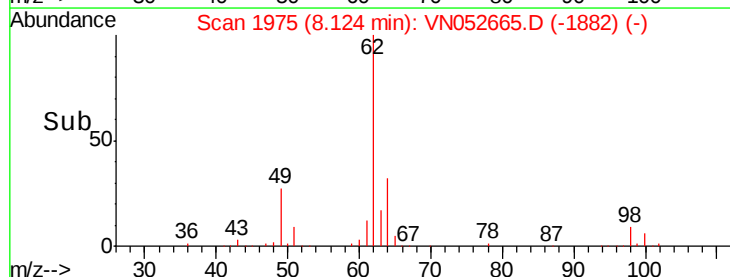
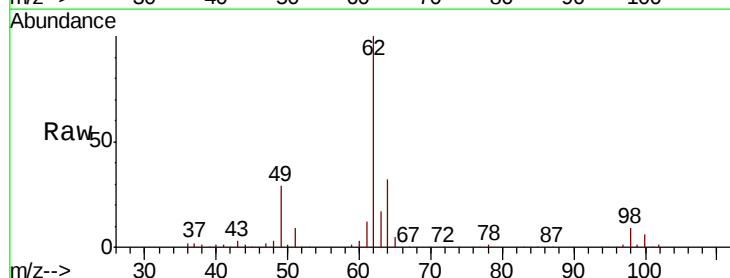
Manual Integrations  
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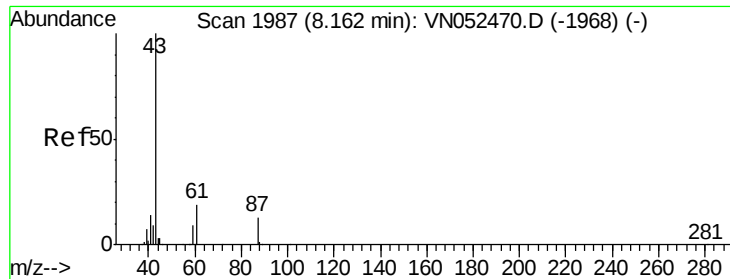
MMDadoda  
12/6/2018 9:08:53 AM



#42  
1,2-Dichloroethane  
Concen: 49.819 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.5   | 0.0   | 18.6  |





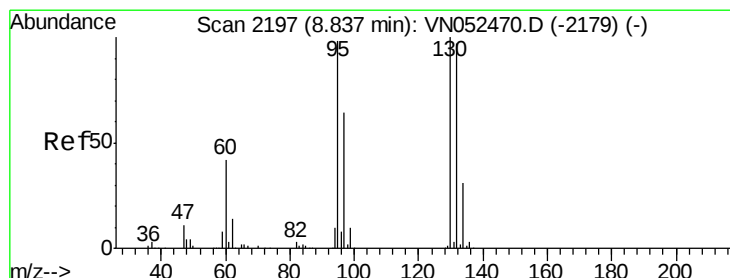
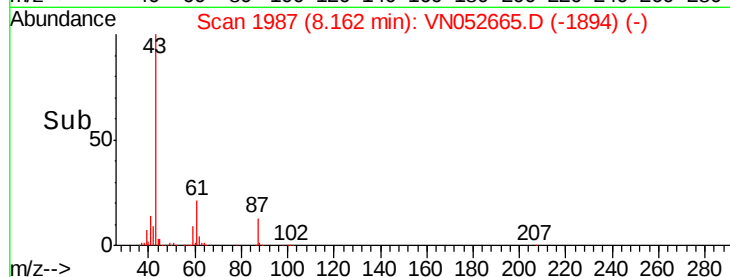
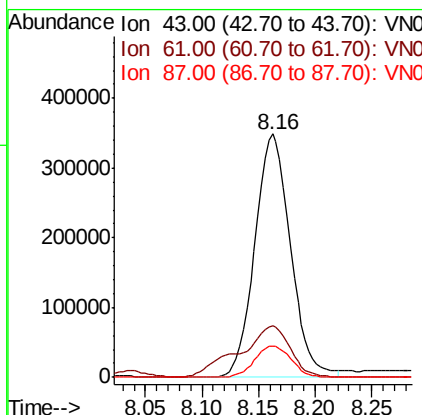
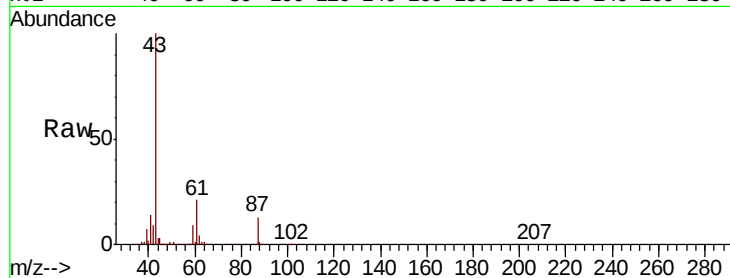
#43  
Isopropyl Acetate  
Concen: 51.820 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.0  | 24.1  | 36.1  |
| 87      | 13.3  | 10.6  | 15.8  |

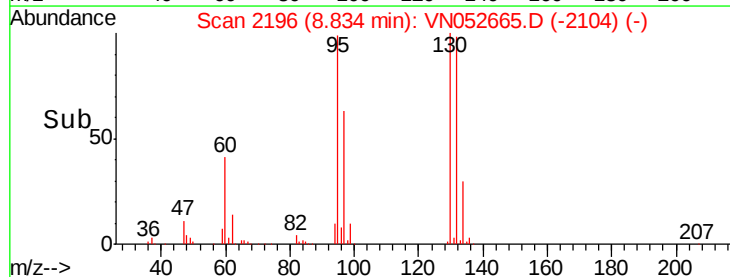
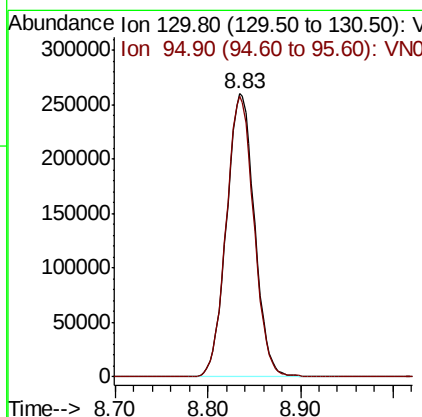
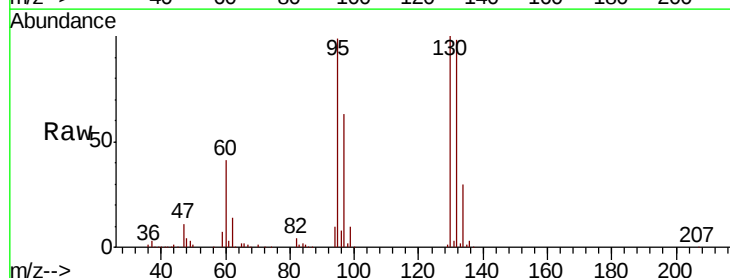
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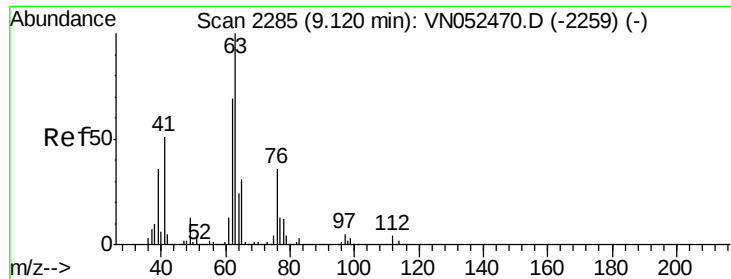
MMDadoda  
12/6/2018 9:08:53 AM



#44  
Trichloroethene  
Concen: 49.915 ug/l  
RT: 8.83 min Scan# 2196  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 99.1  | 0.0   | 195.6 |





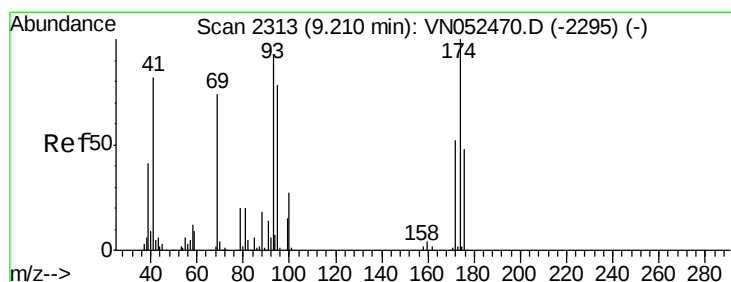
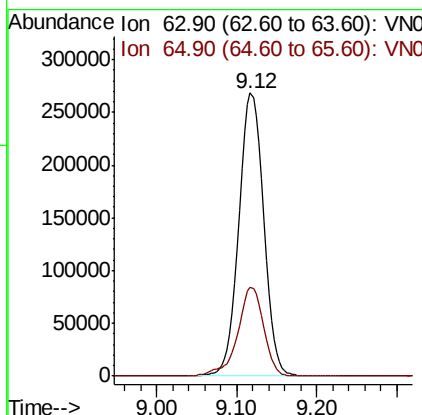
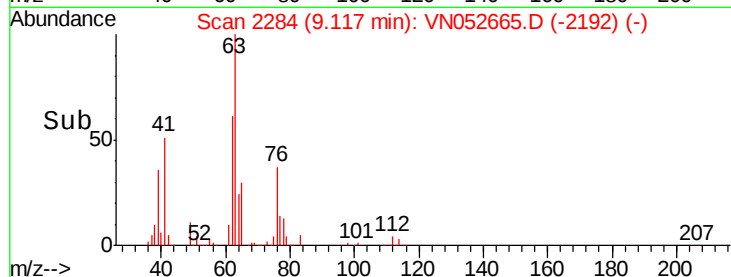
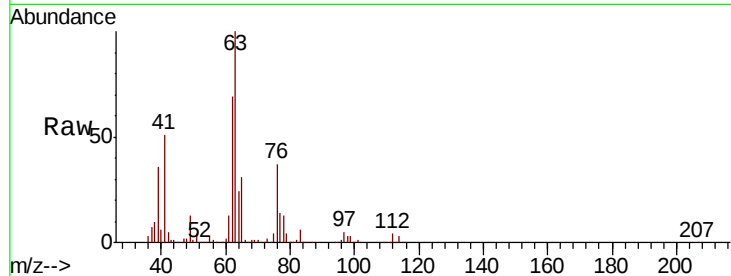
#45  
 1,2-Dichloropropane  
 Concen: 49.523 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.4  | 25.0  | 37.6  |

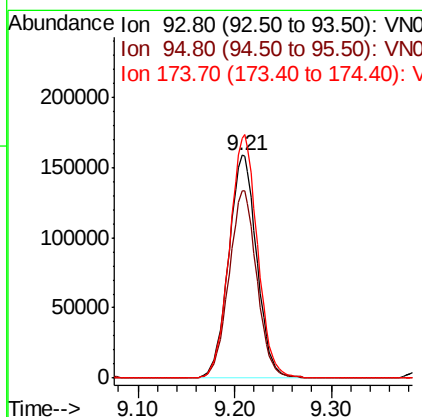
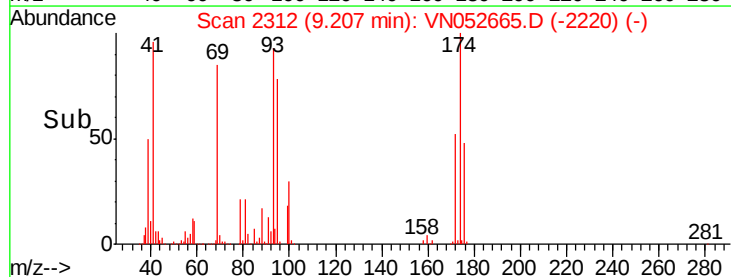
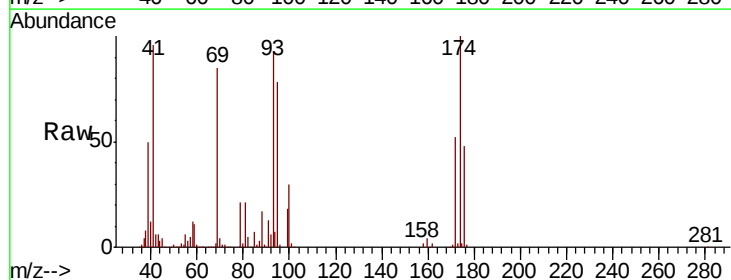
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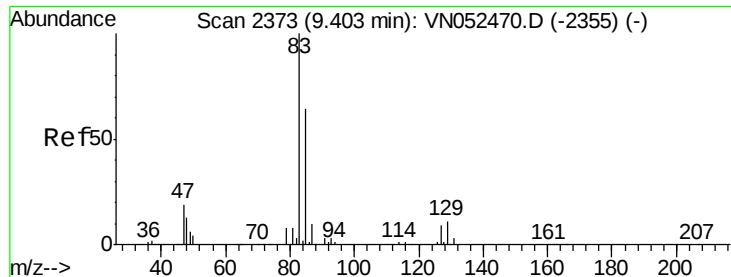
MMDadoda  
 12/6/2018 9:08:53 AM



#46  
 Dibromomethane  
 Concen: 51.111 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.2  | 67.1  | 100.7 |
| 174     | 108.7 | 85.8  | 128.8 |





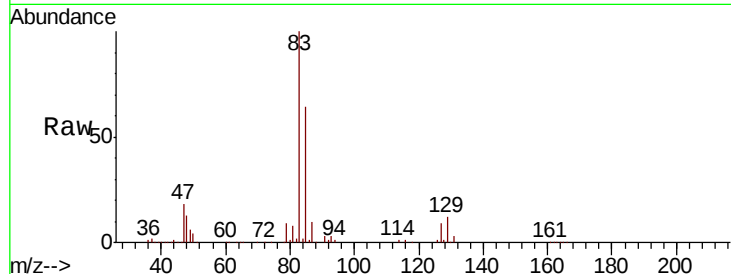
#47  
Bromodichloromethane  
Concen: 51.065 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

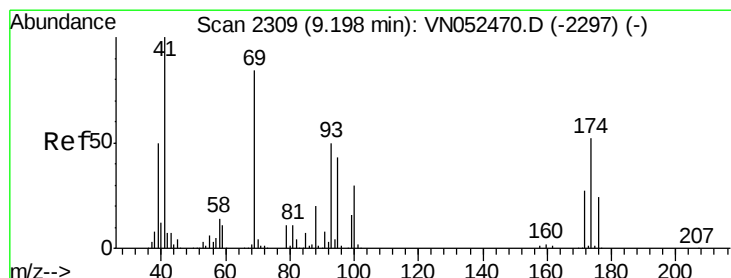
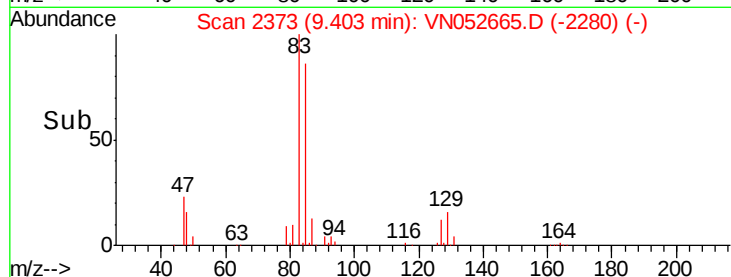
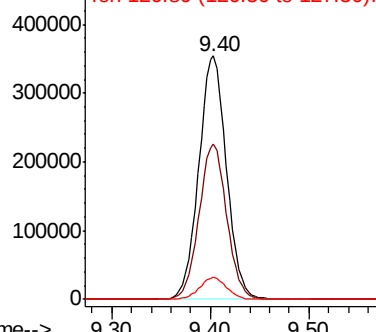
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 694373 |       |       |
| 85      | 63.8  | 51.3   | 76.9  |       |
| 127     | 9.1   | 6.9    | 10.3  |       |

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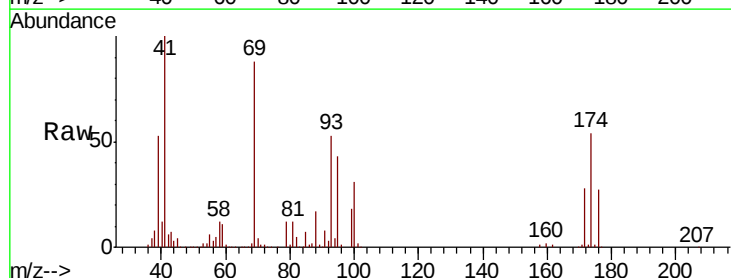


Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-2355) (-)

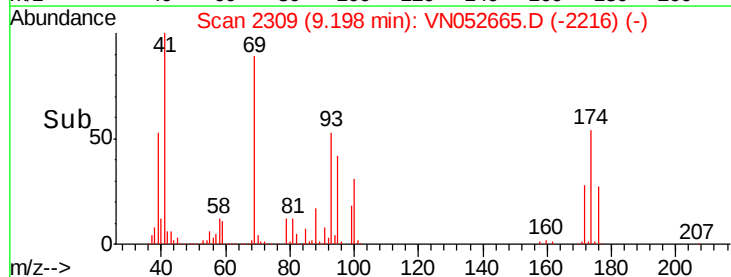
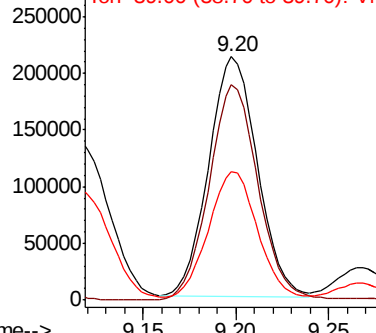


#48  
Methyl methacrylate  
Concen: 50.526 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 387981 |       |       |
| 69      | 90.7  | 70.0   | 105.0 |       |
| 39      | 54.5  | 42.6   | 64.0  |       |



Abundance Ion 41.00 (40.70 to 41.70): VN052470.D (-2297) (-)





#49

1,4-Dioxane

Concen: 963.566 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

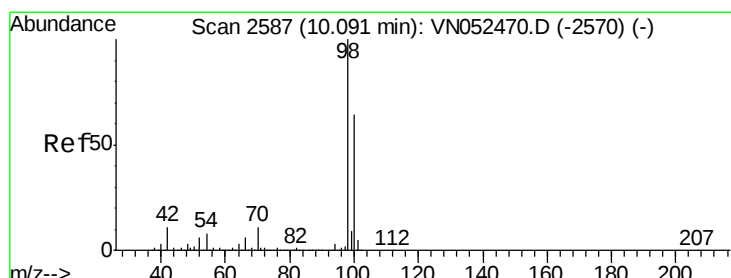
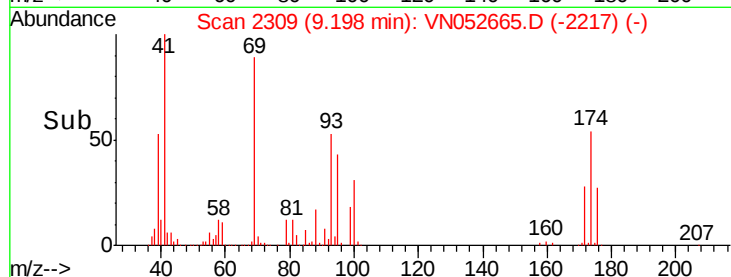
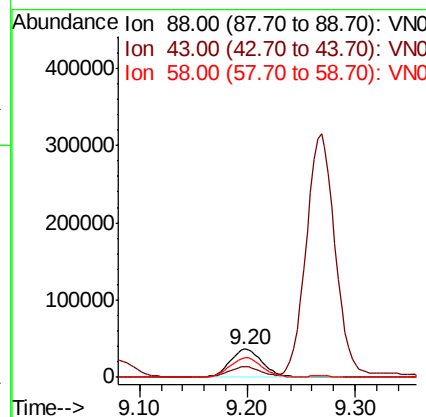
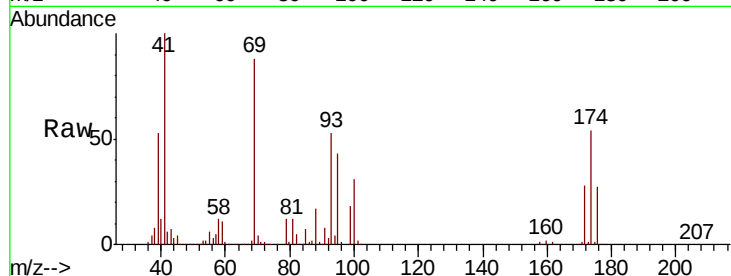
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 76790 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 34.1  | 26.4  | 39.6  |
| 58       | 70.3  | 55.4  | 83.0  |

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12/6/2018 9:08:53 AM



#50

Toluene-d8

Concen: 963.566 ug/l

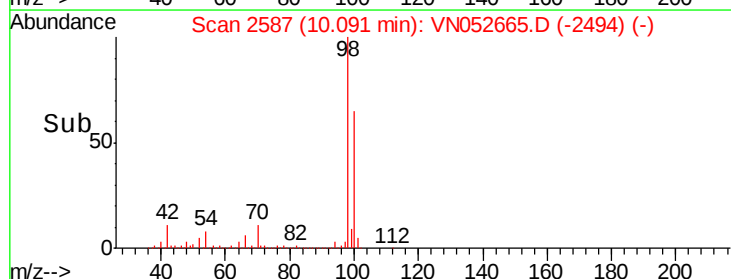
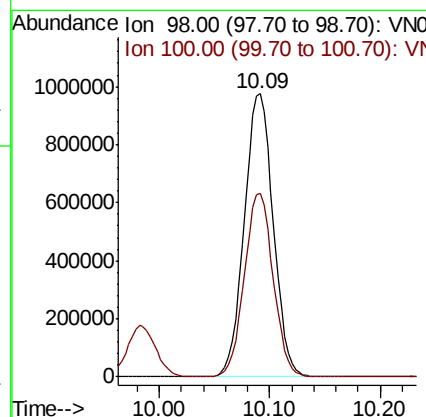
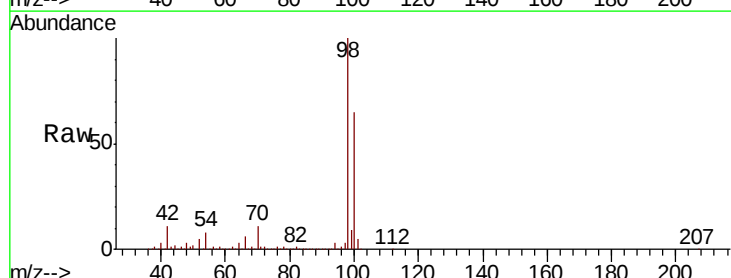
RT: 10.09 min Scan# 2587

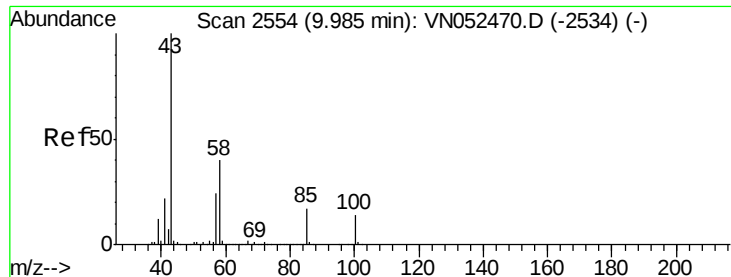
Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 98    | Resp: | 1773102 |
| Ion      | Ratio | Lower | Upper   |
| 98       | 100   |       |         |
| 100      | 64.7  | 51.3  | 76.9    |





#51

4-Methyl-2-Pentanone

Concen: 261.457 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2160331

Ion Ratio Lower Upper

43 100

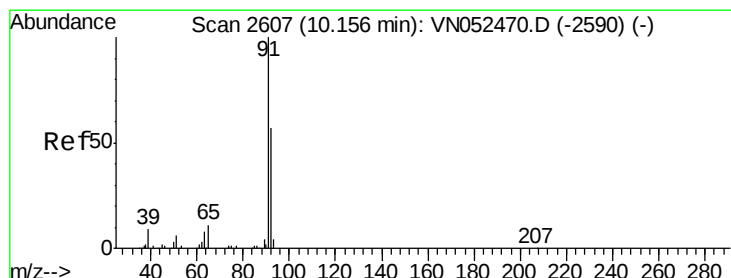
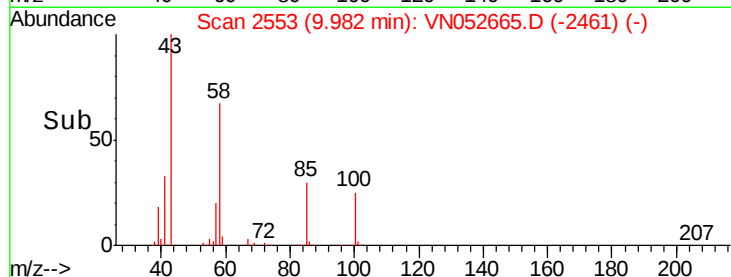
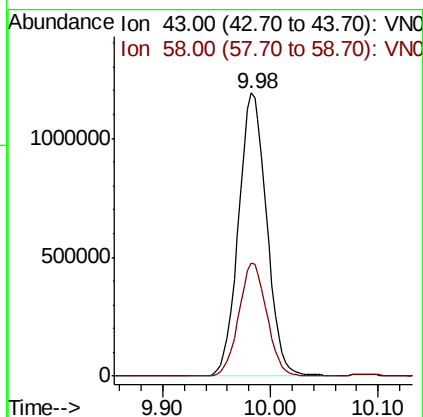
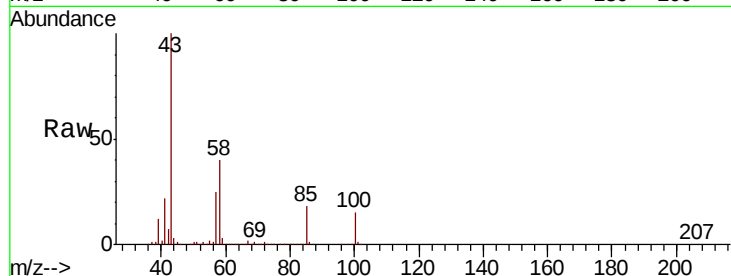
58 39.8 31.5 47.3

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12/6/2018 9:08:53 AM



#52

Toluene

Concen: 50.638 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052665.D

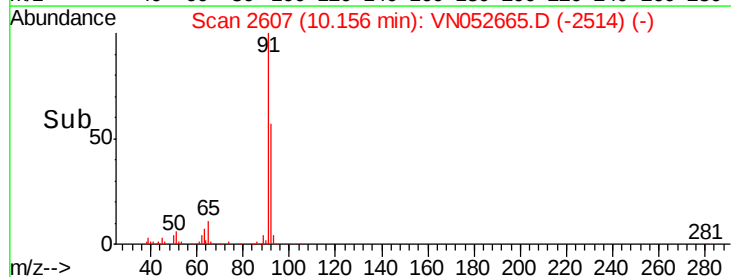
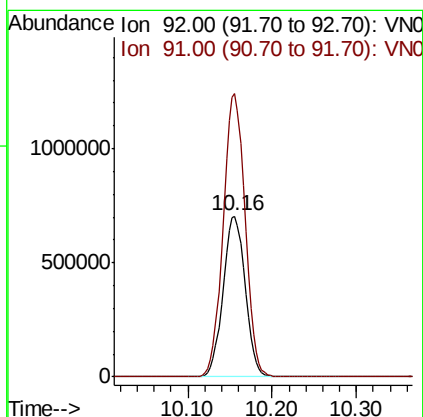
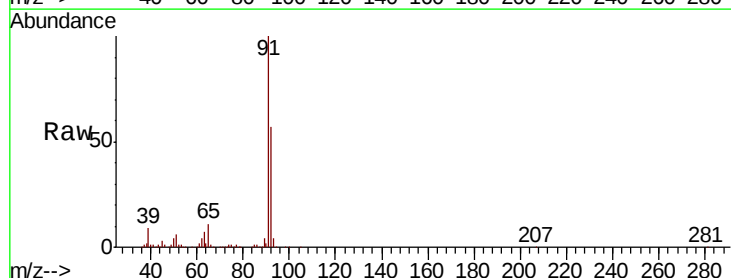
Acq: 5 Dec 2018 9:59

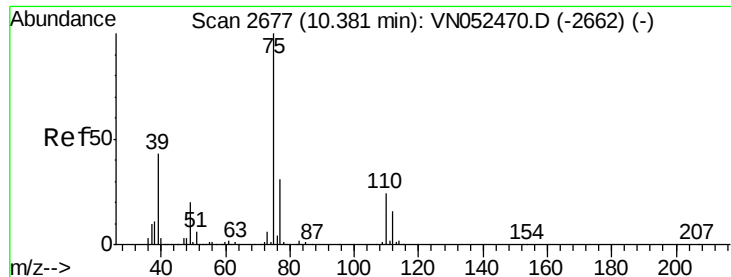
Tgt Ion: 92 Resp: 1278481

Ion Ratio Lower Upper

92 100

91 174.9 141.0 211.4





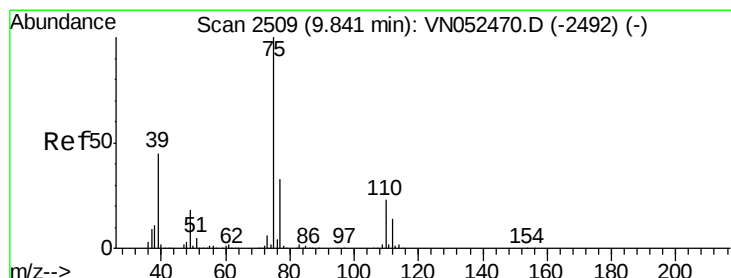
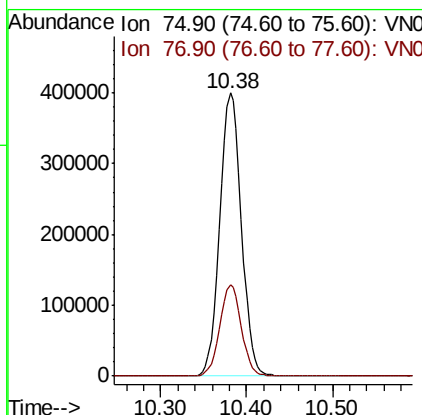
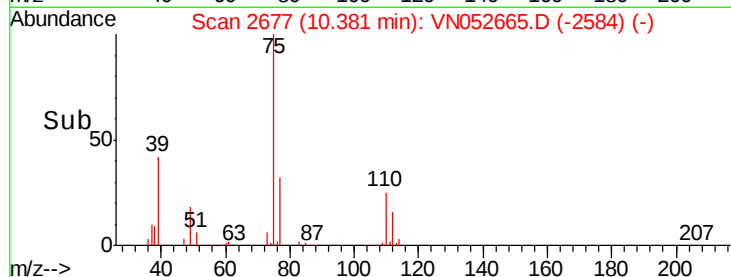
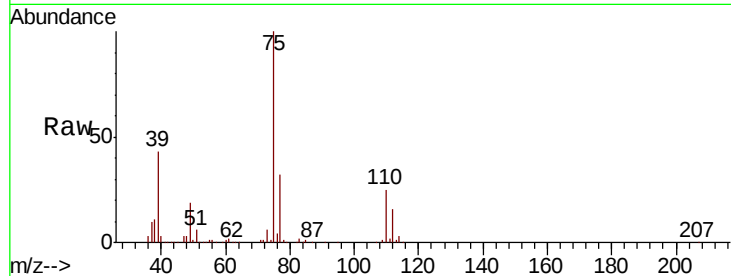
#53  
t-1,3-Dichloropropene  
Concen: 53.470 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 699456  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.0 37.4

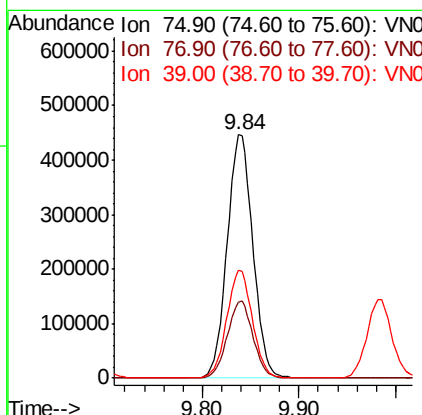
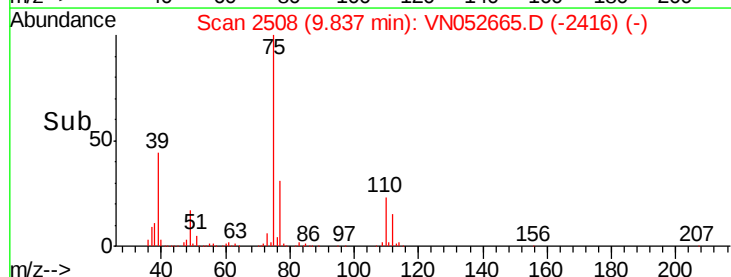
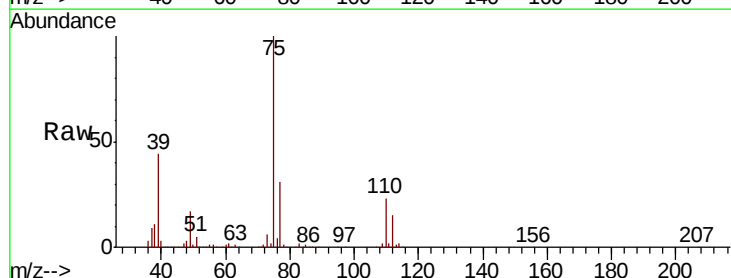
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#54  
cis-1,3-Dichloropropene  
Concen: 52.674 ug/l  
RT: 9.84 min Scan# 2508  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Tgt Ion: 75 Resp: 825735  
Ion Ratio Lower Upper  
75 100  
77 31.3 26.2 39.2  
39 44.4 36.0 54.0





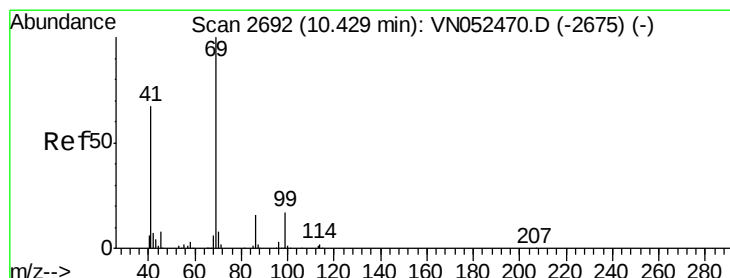
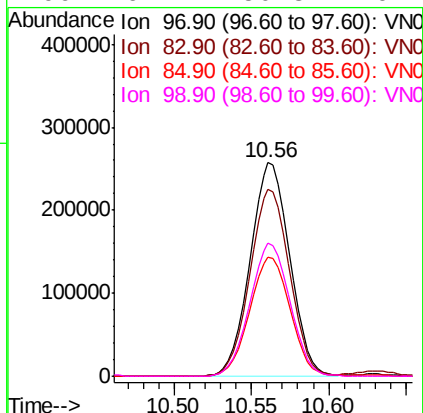
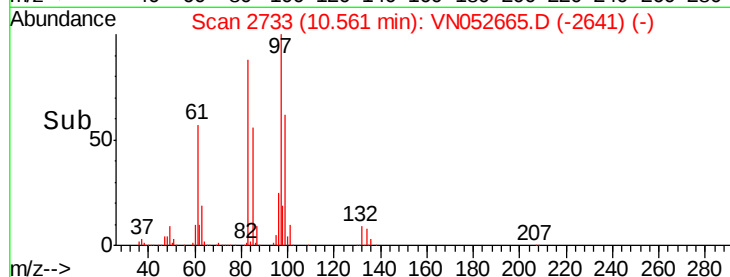
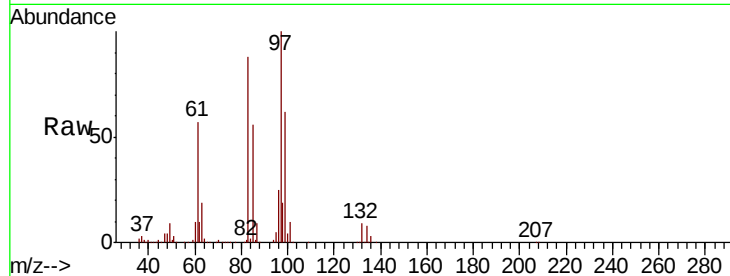
#55  
 1,1,2-Trichloroethane  
 Concen: 51.746 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 459557 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 87.8  | 70.7  | 106.1  |
| 85       | 55.8  | 46.1  | 69.1   |
| 99       | 62.1  | 50.8  | 76.2   |

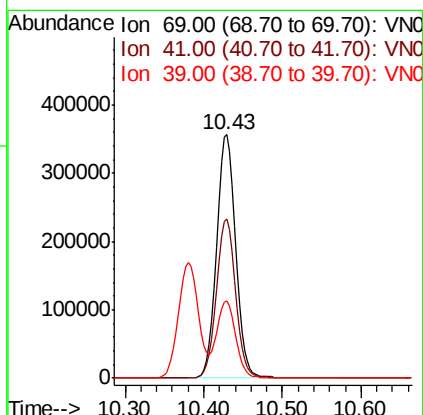
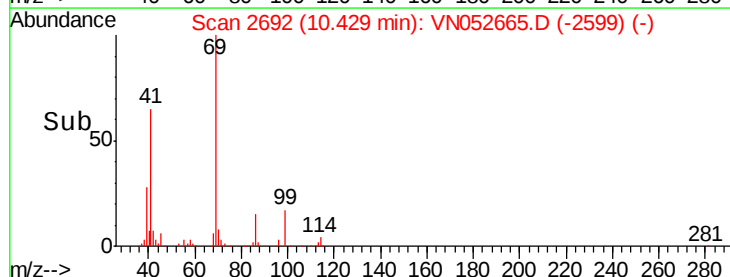
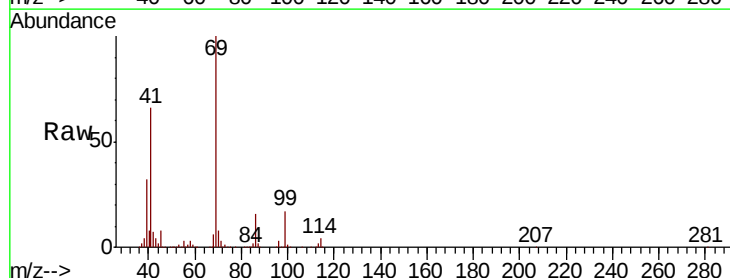
Manual Integrations  
 APPROVED

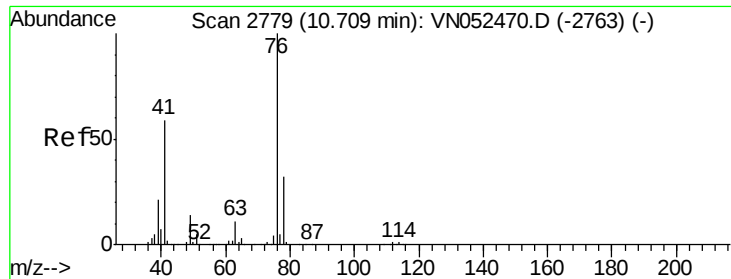
MMDadoda  
 12/6/2018 9:08:53 AM



#56  
 Ethyl methacrylate  
 Concen: 48.444 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 596329 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 64.9  | 52.6  | 79.0   |
| 39       | 31.4  | 25.9  | 38.9   |





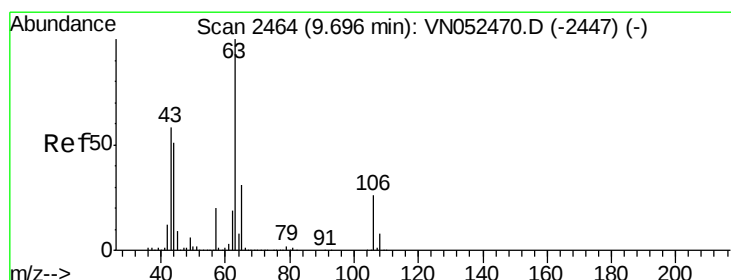
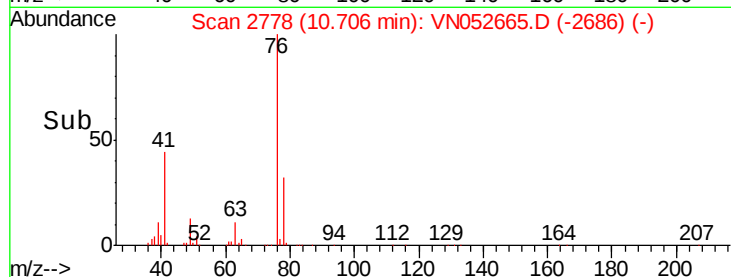
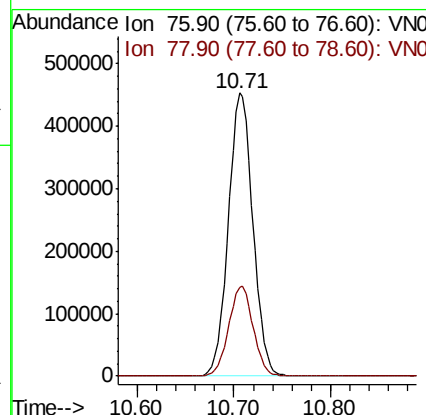
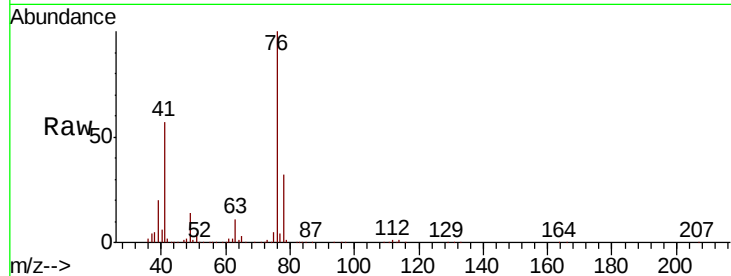
#57  
 1,3-Dichloropropane  
 Concen: 50.778 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 76 Resp: 796271  
 Ion Ratio Lower Upper  
 76 100  
 78 31.9 25.6 38.4

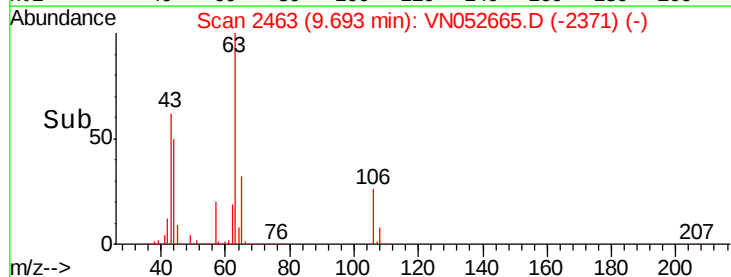
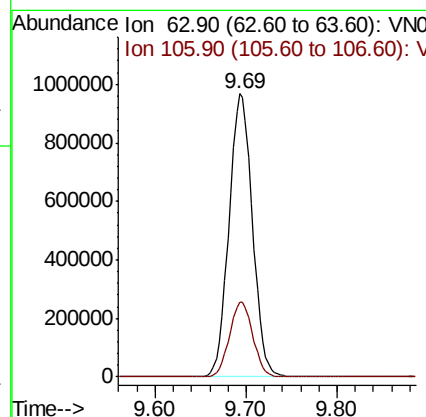
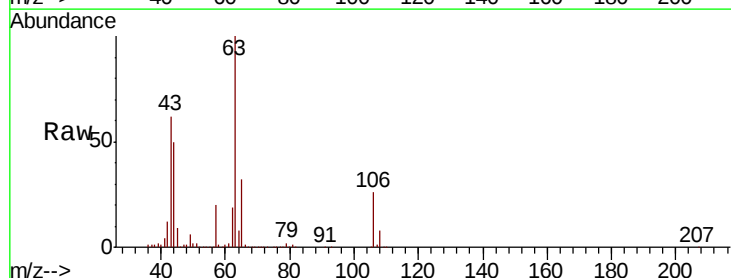
Manual Integrations  
 APPROVED

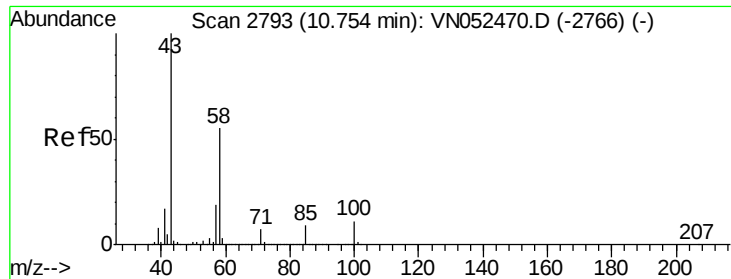
MMDadoda  
 12/6/2018 9:08:53 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 267.848 ug/l  
 RT: 9.69 min Scan# 2463  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Tgt Ion: 63 Resp: 1726082  
 Ion Ratio Lower Upper  
 63 100  
 106 26.5 20.6 30.8





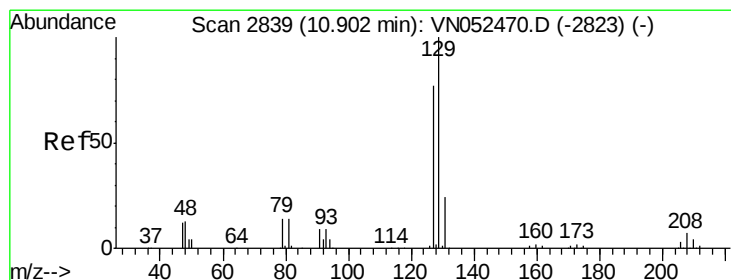
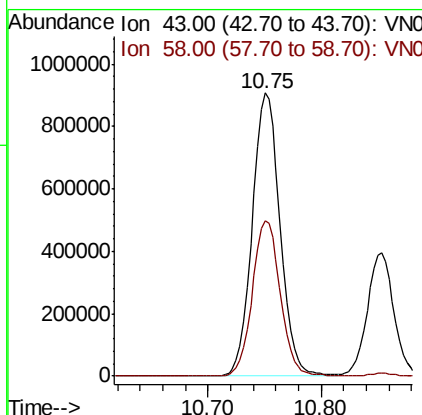
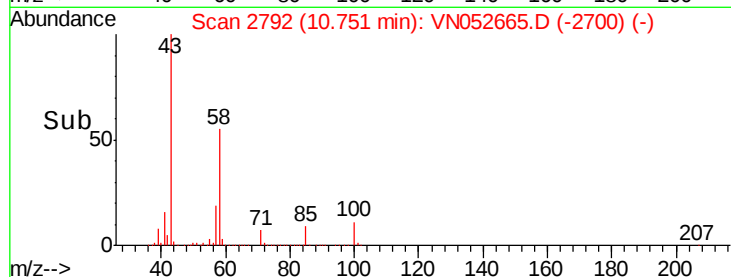
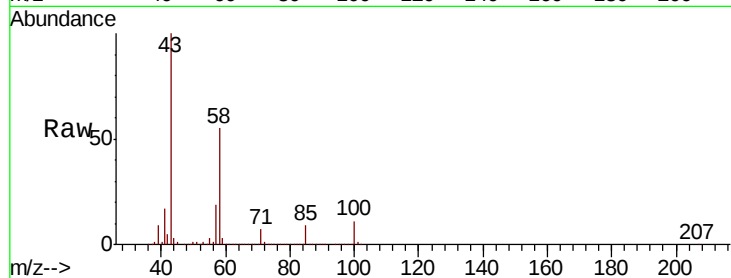
#59  
2-Hexanone  
Concen: 279.059 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 43 Resp: 1547523  
Ion Ratio Lower Upper  
43 100  
58 55.3 27.4 82.0

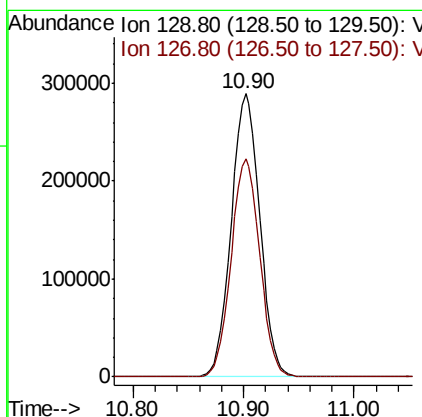
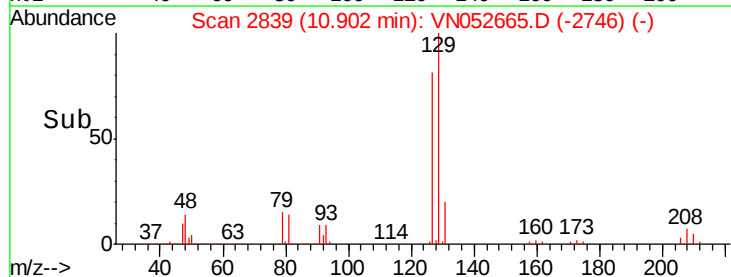
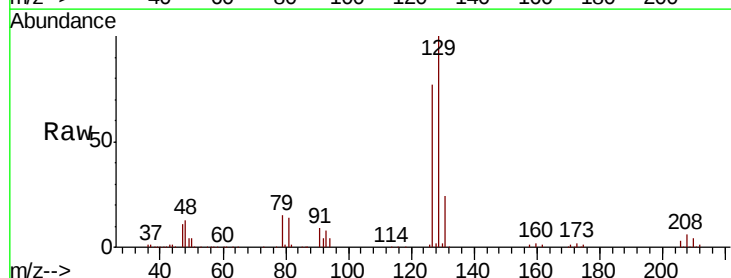
Manual Integrations  
APPROVED

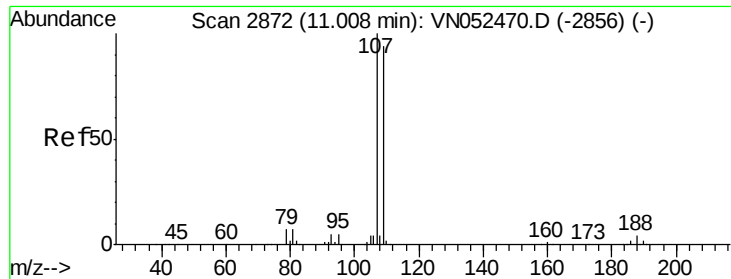
MMDadoda  
12/6/2018 9:08:53 AM



#60  
Dibromochloromethane  
Concen: 53.867 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Tgt Ion: 129 Resp: 519582  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.9 116.6





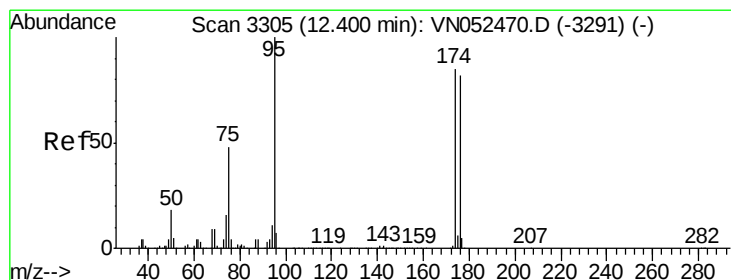
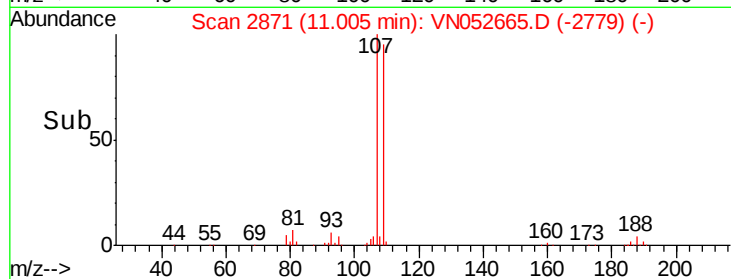
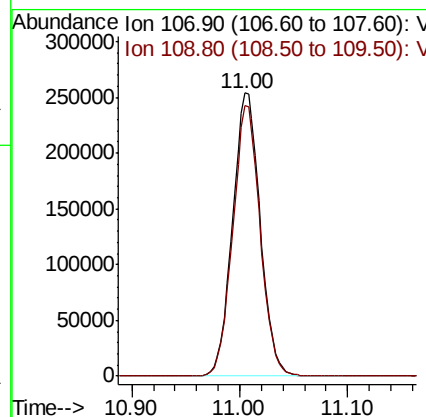
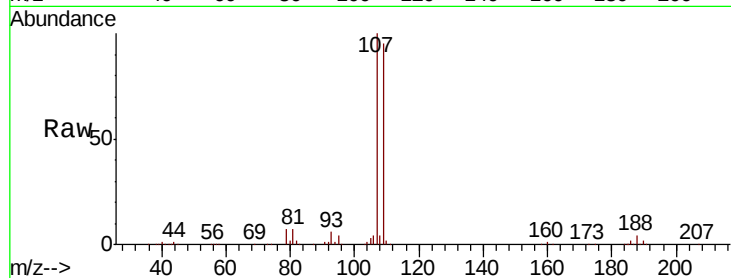
#61  
 1,2-Dibromoethane  
 Concen: 51.357 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.6  | 75.6  | 113.4 |

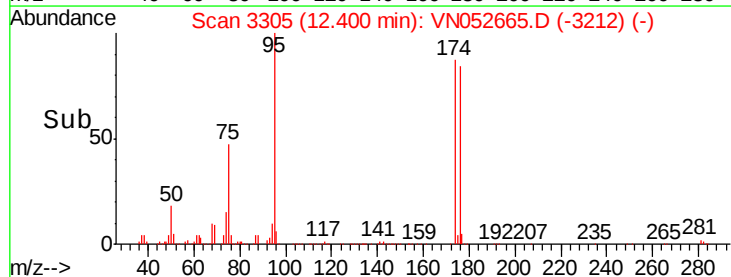
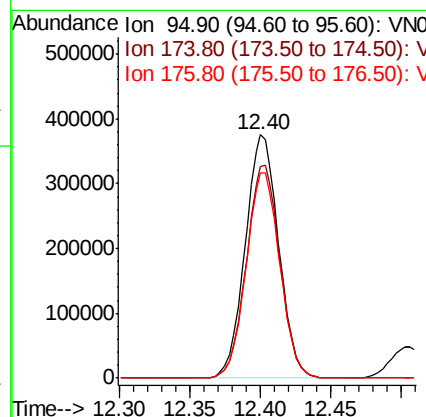
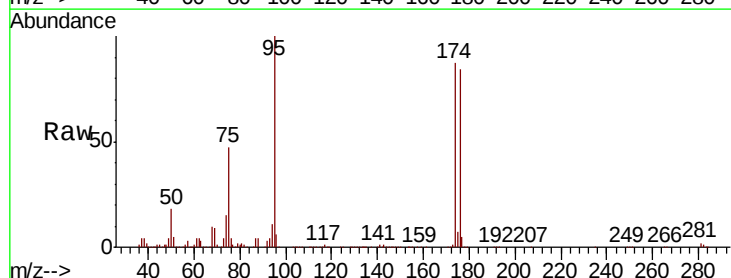
Manual Integrations  
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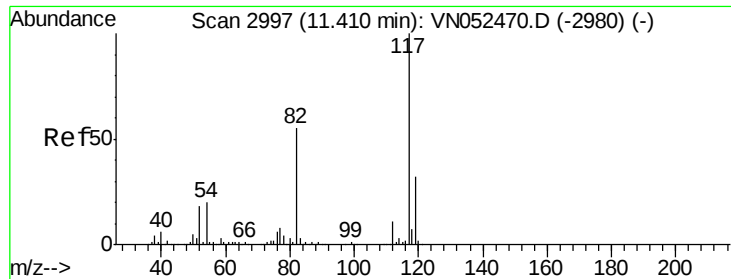
MMDadoda  
 12/6/2018 9:08:53 AM



#62  
 4-Bromofluorobenzene  
 Concen: 51.357 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 88.0  | 0.0   | 173.0 |
| 176     | 85.1  | 0.0   | 166.2 |





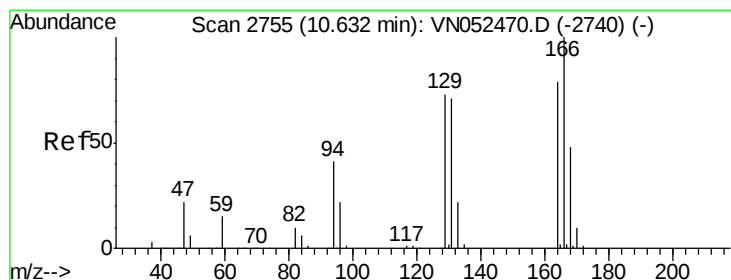
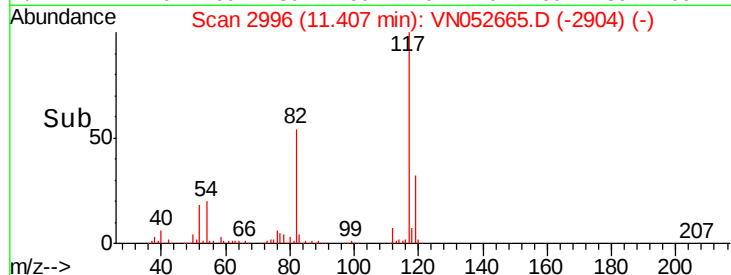
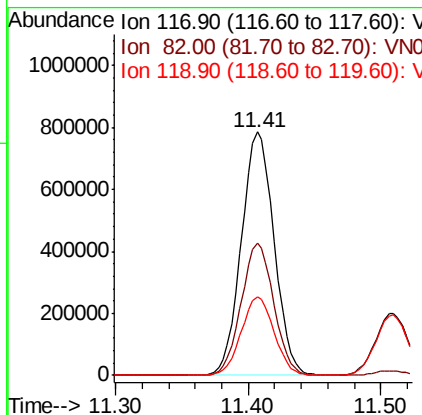
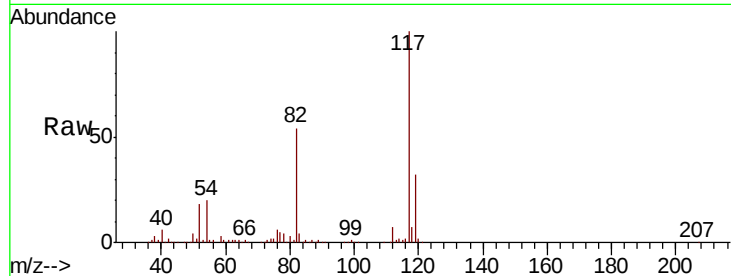
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion:117 Resp: 1345469  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.6 65.4  
119 32.4 25.4 38.2

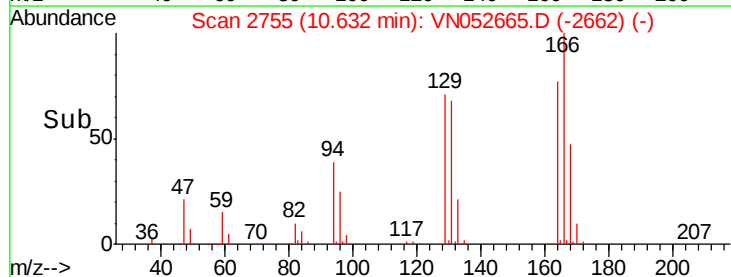
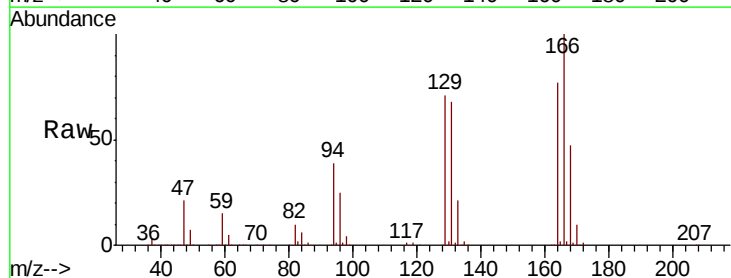
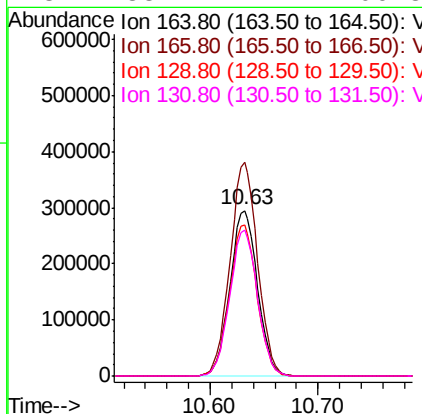
Manual Integrations  
APPROVED

MMDadoda  
12/6/2018 9:08:53 AM



#64  
Tetrachloroethene  
Concen: 50.358 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Tgt Ion:164 Resp: 525328  
Ion Ratio Lower Upper  
164 100  
166 129.3 101.0 151.4  
129 91.2 73.8 110.6  
131 88.4 71.2 106.8





#65

Chlorobenzene

Concen: 50.392 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1398055

Ion Ratio Lower Upper

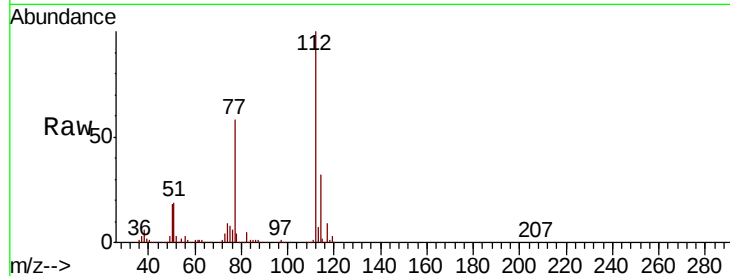
112 100

114 31.9 25.8 38.6

Manual Integrations  
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12/6/2018 9:08:53 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

800000

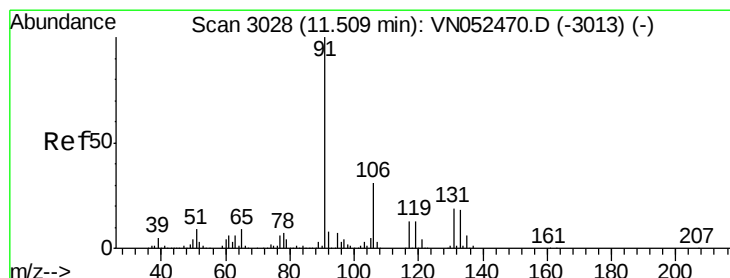
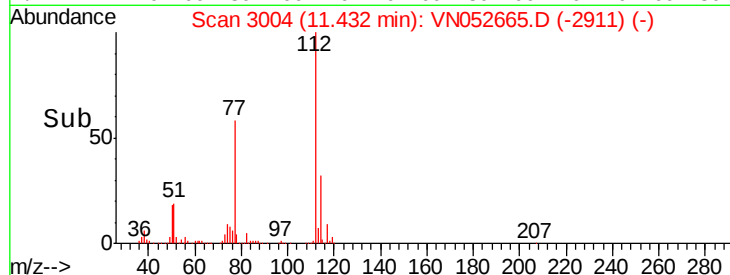
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.106 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

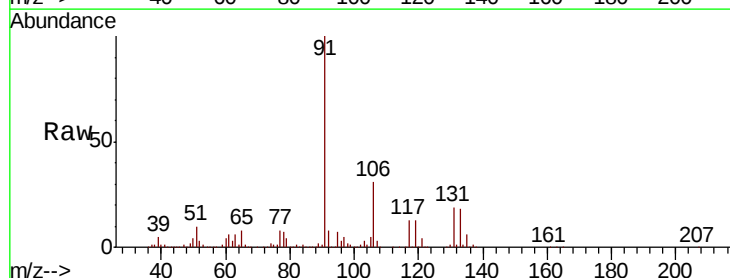
Tgt Ion:131 Resp: 502638

Ion Ratio Lower Upper

131 100

133 96.0 47.6 142.8

119 66.9 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

400000

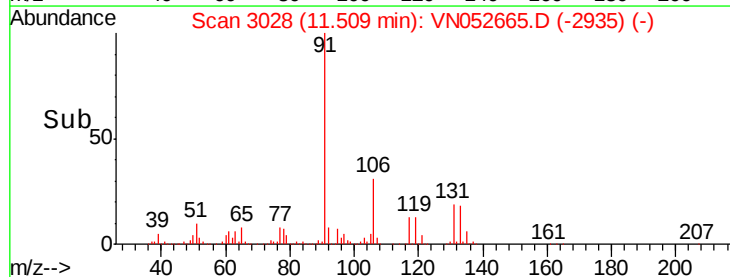
300000

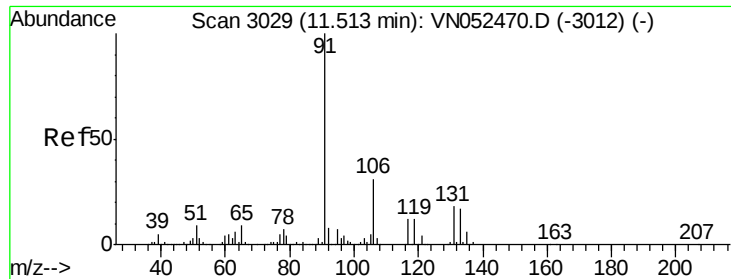
200000

100000

0

Time-->





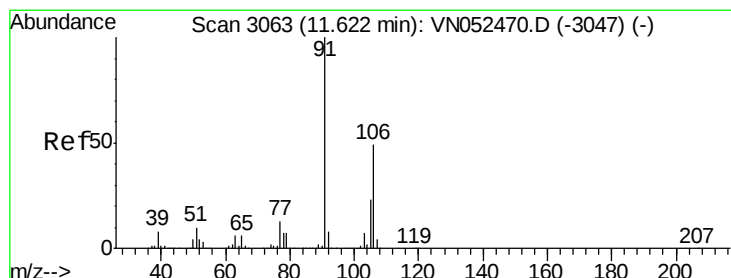
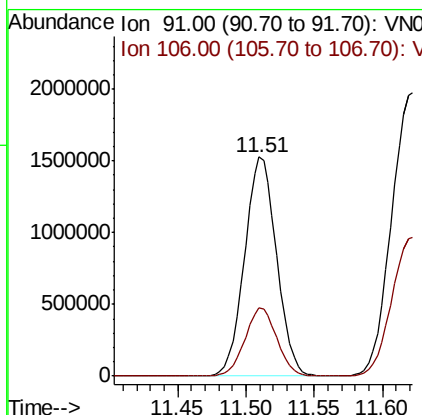
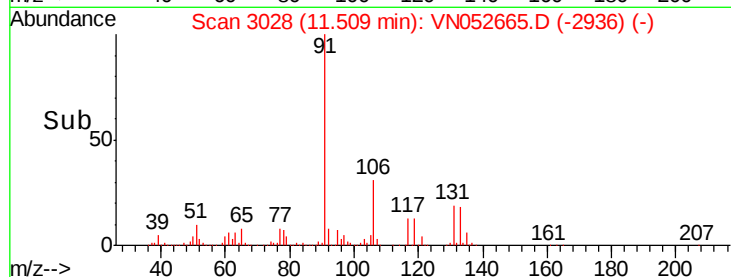
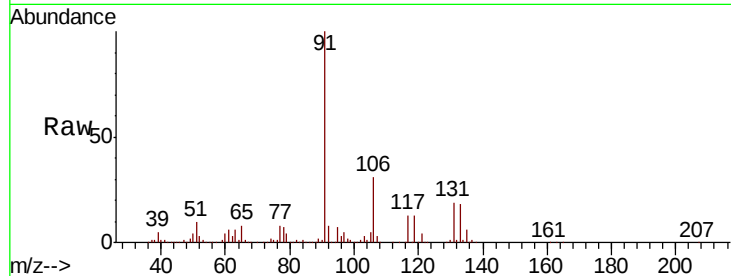
#67  
Ethyl Benzene  
Concen: 51.113 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 91 Resp: 2483281  
Ion Ratio Lower Upper  
91 100  
106 30.9 24.9 37.3

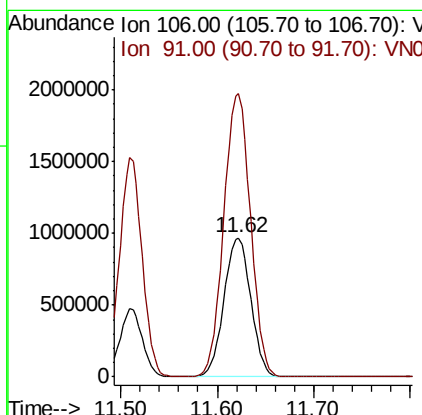
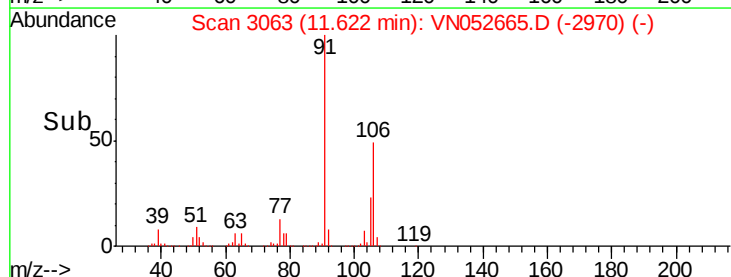
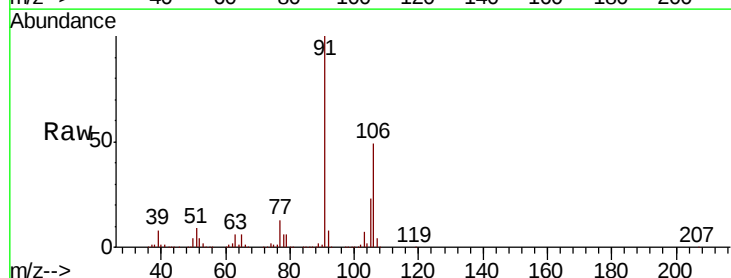
Manual Integrations  
APPROVED

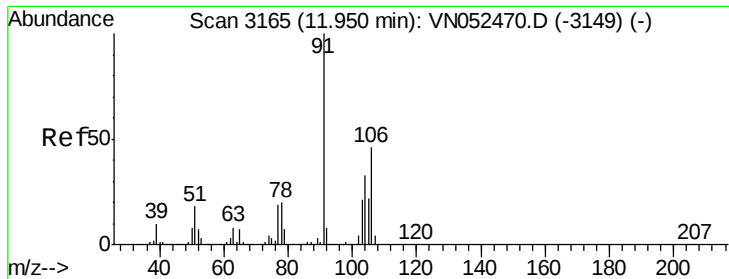
MMDadoda  
12/6/2018 9:08:53 AM



#68  
m/p-Xylenes  
Concen: 103.269 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Tgt Ion: 106 Resp: 1867776  
Ion Ratio Lower Upper  
106 100  
91 202.8 163.2 244.8





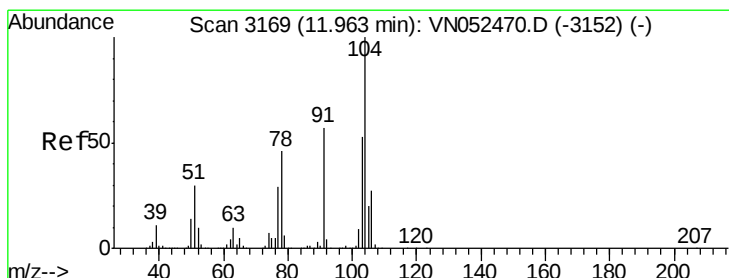
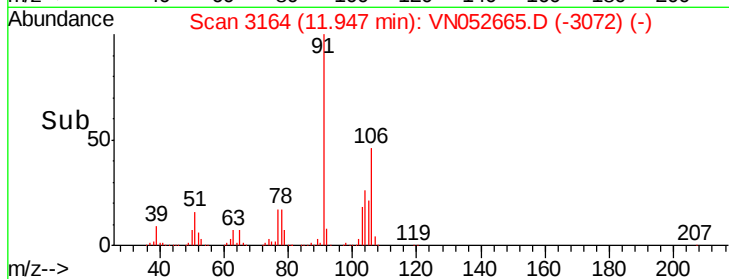
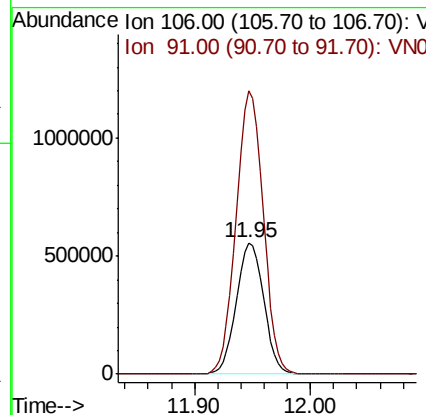
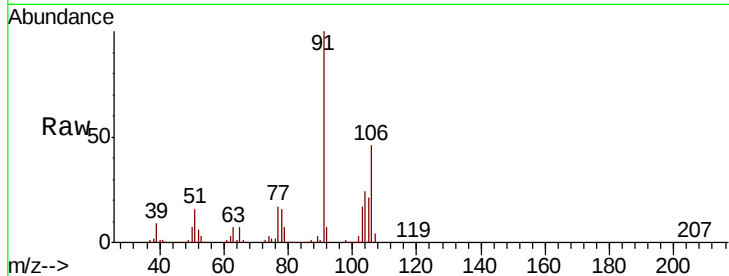
#69  
o-Xylene  
Concen: 51.541 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 214.0 | 107.7 | 323.1 |

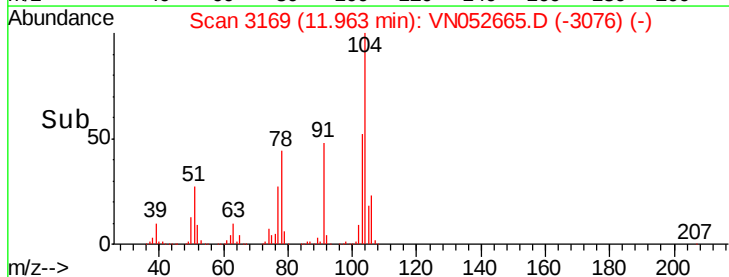
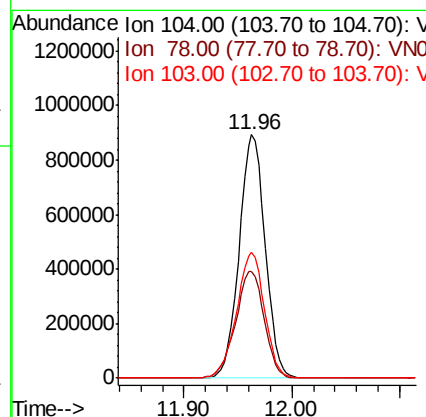
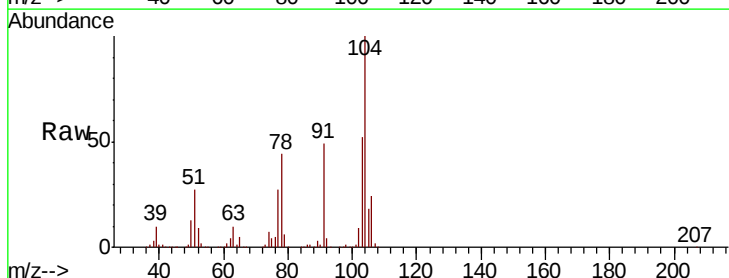
Manual Integrations  
APPROVED

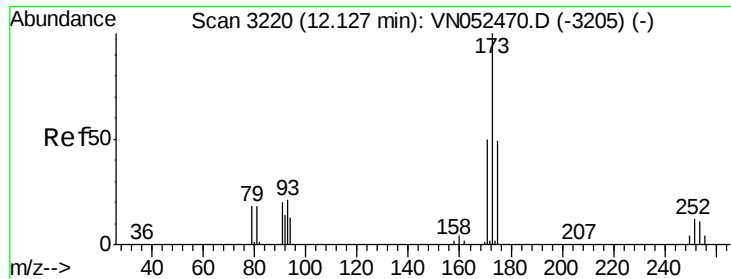
MMDadoda  
12/6/2018 9:08:53 AM



#70  
Styrene  
Concen: 53.635 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.5  | 39.4  | 59.2  |
| 103     | 55.6  | 44.9  | 67.3  |





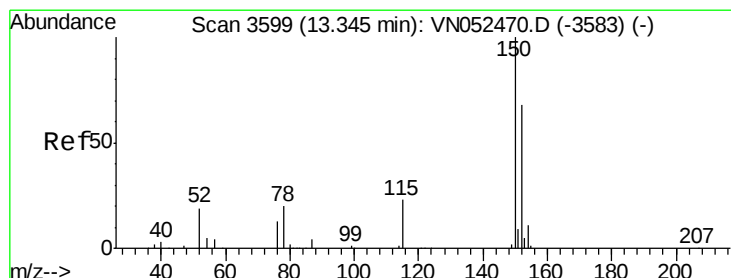
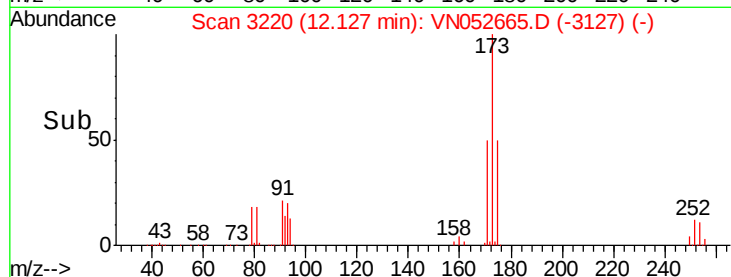
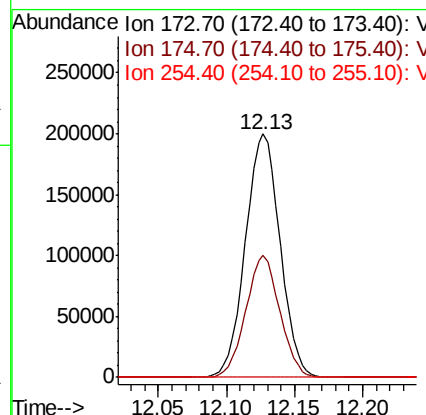
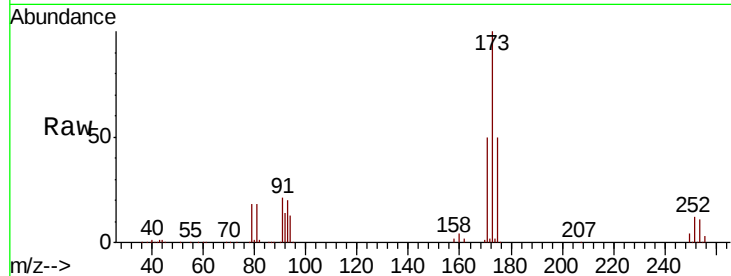
#71  
Bromoform  
Concen: 55.114 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.4  | 73.2  |
| 254     | 0.1   | 0.1   | 0.1   |

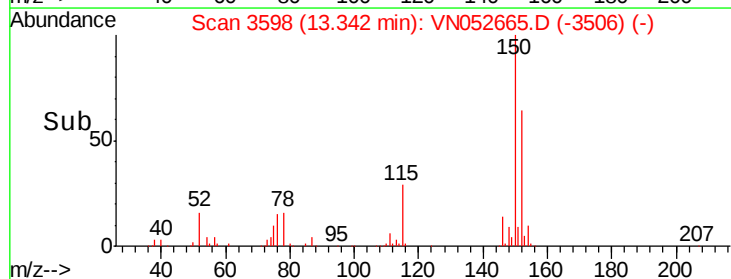
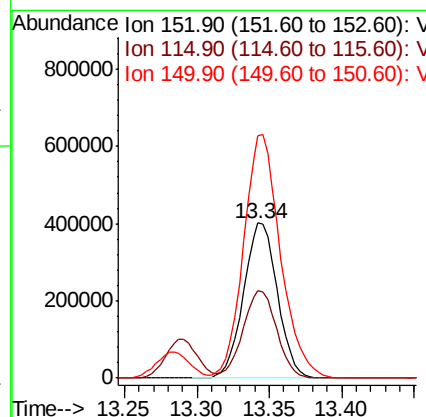
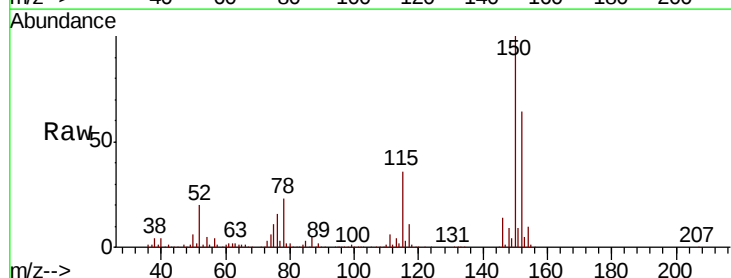
Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.3  | 28.4  | 85.2  |
| 150     | 170.7 | 0.0   | 346.0 |





#73

Isopropylbenzene

Concen: 47.978 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2447469

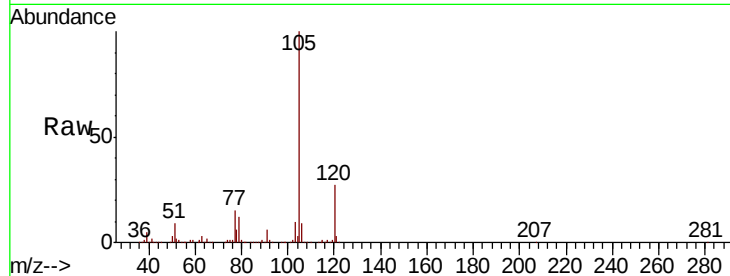
Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3

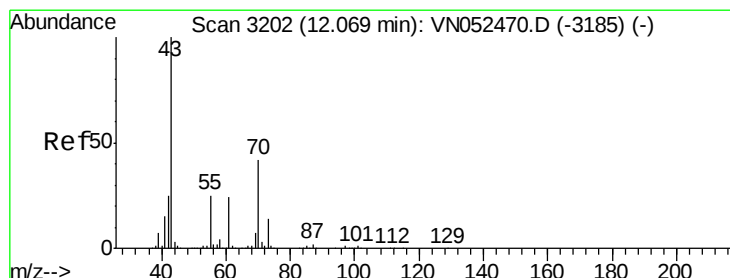
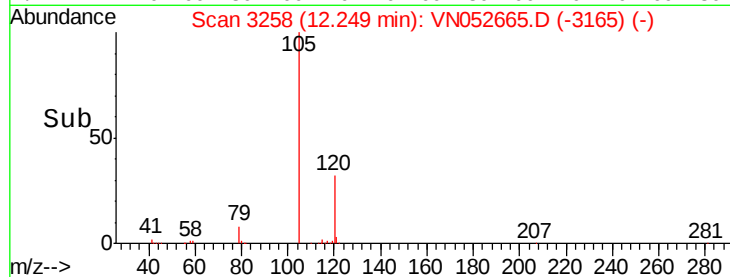
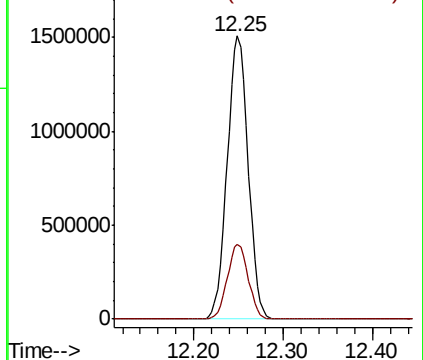
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.654 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Tgt Ion: 43 Resp: 652819

Ion Ratio Lower Upper

43 100

70 43.2 33.8 50.8

55 25.0 20.0 30.0

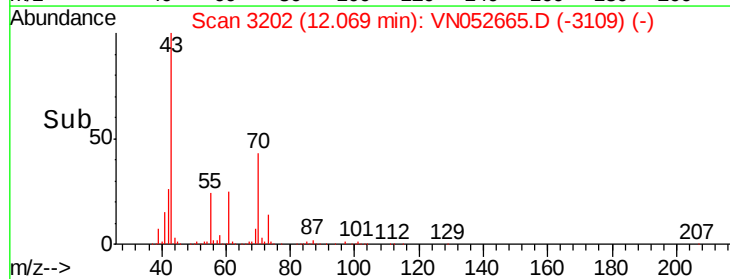
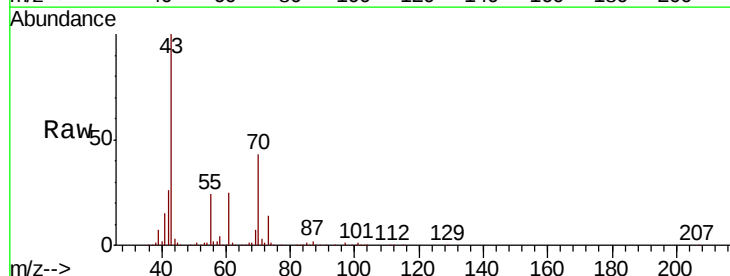
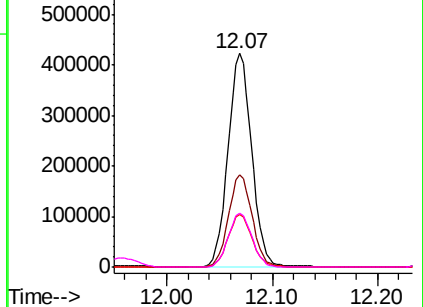
61 25.1 19.7 29.5

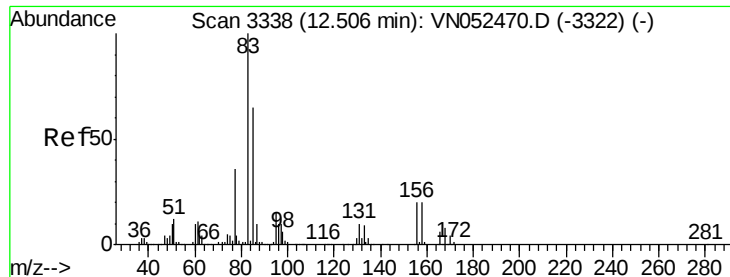
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.825 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

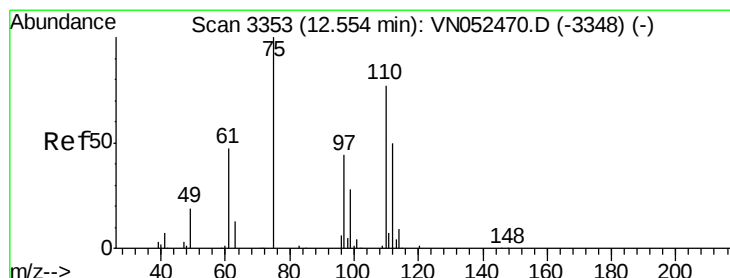
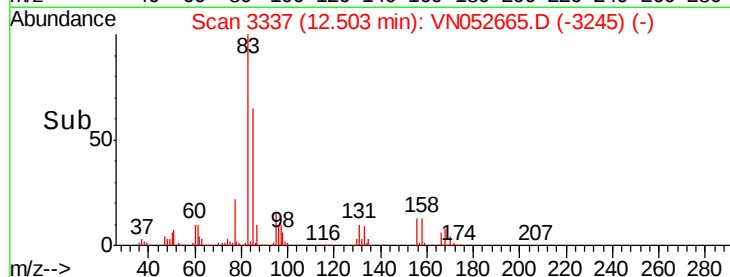
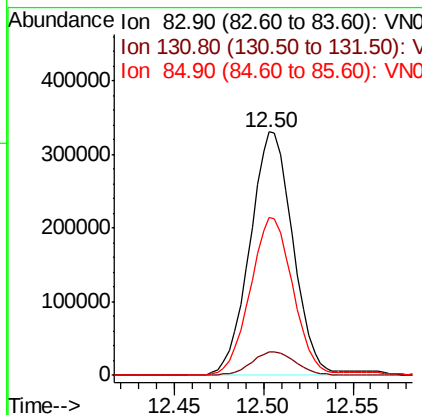
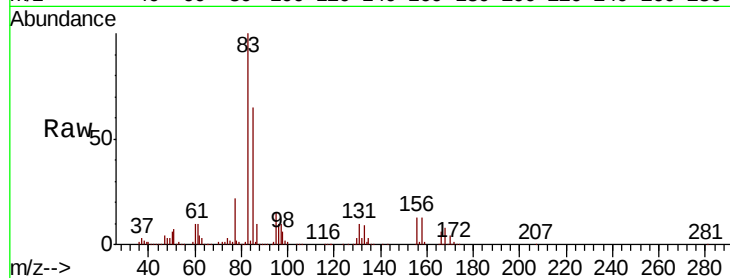
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 554975 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.1  | 5.0   | 15.0   |
| 85        | 64.6  | 31.9  | 95.9   |

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#76

1,2,3-Trichloropropane

Concen: 46.272 ug/l m

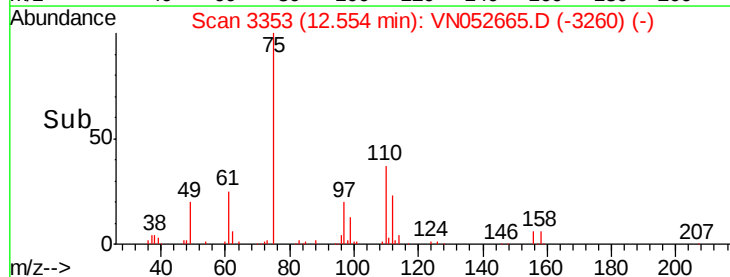
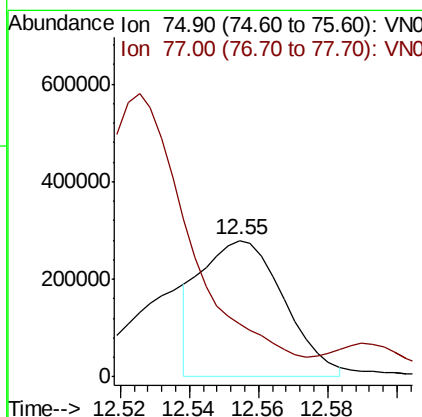
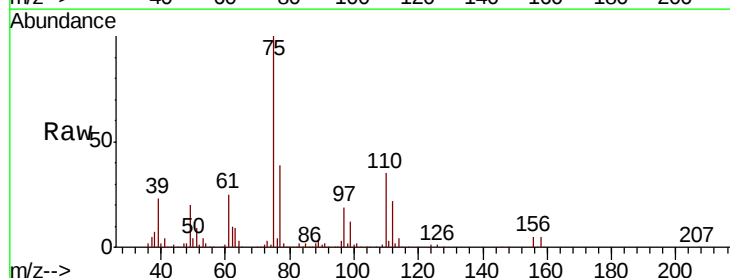
RT: 12.55 min Scan# 3353

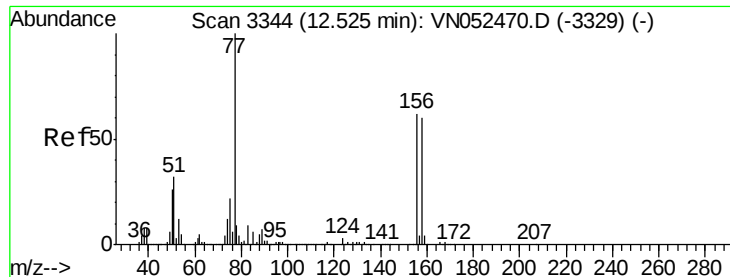
Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 463944 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 48.092 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

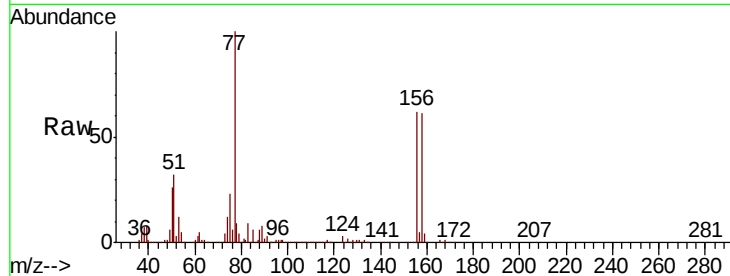
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 606388 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 184.2 | 93.5  | 280.4  |
| 158       | 97.5  | 48.3  | 144.9  |

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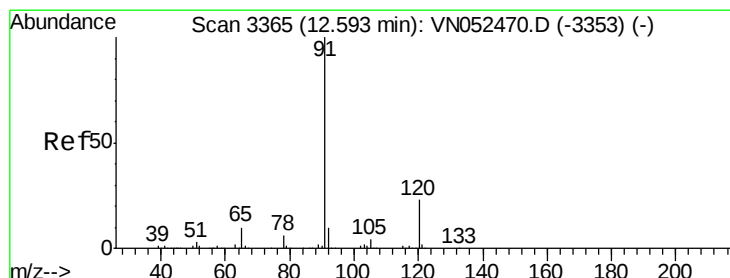
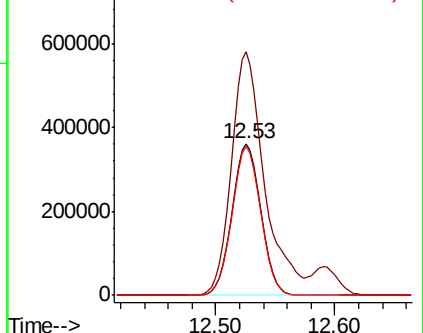
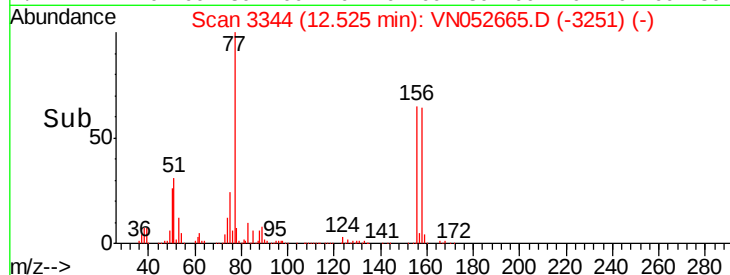
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.997 ug/l

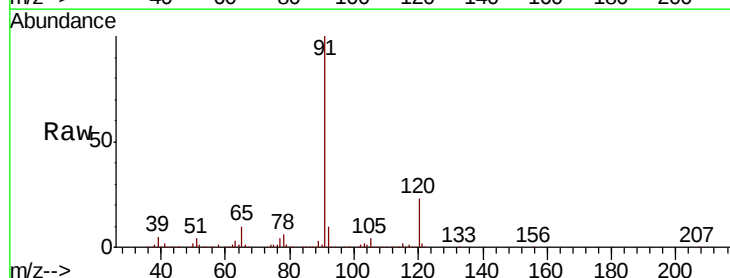
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052665.D

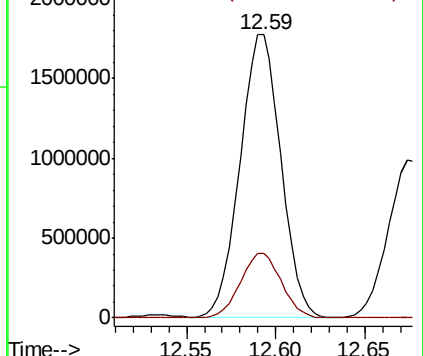
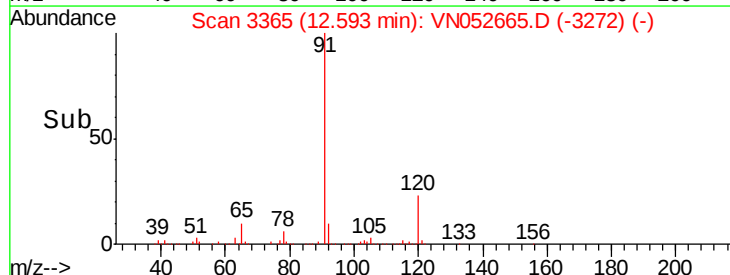
Acq: 5 Dec 2018 9:59

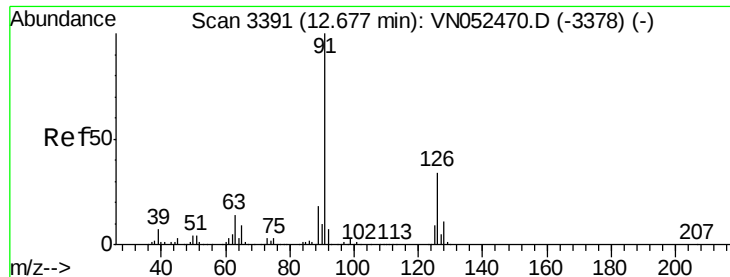
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 2839464 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 22.8  | 11.3  | 33.9    |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.727 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052665.D

Acq: 5 Dec 2018 9:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1647098

Ion Ratio Lower Upper

91 100

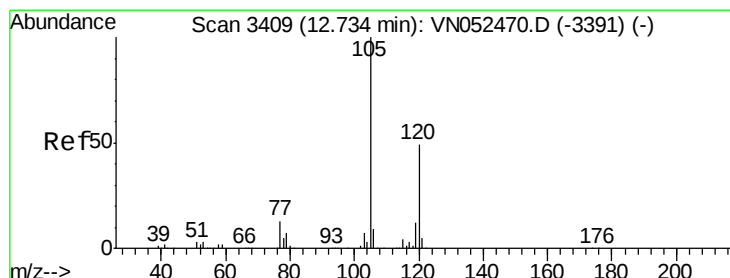
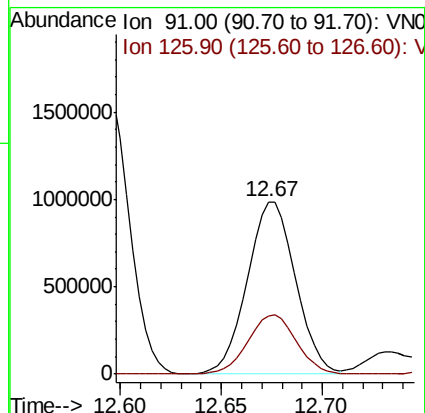
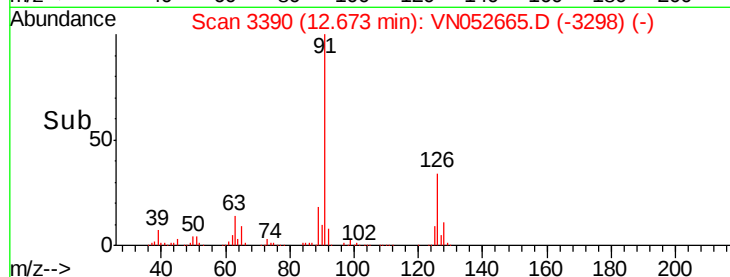
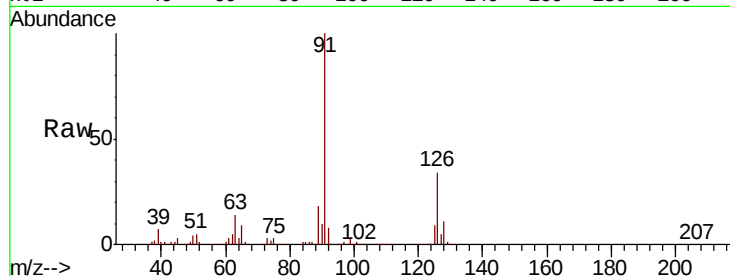
126 34.7 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 49.136 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052665.D

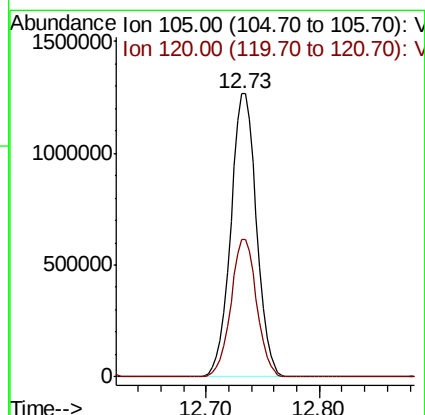
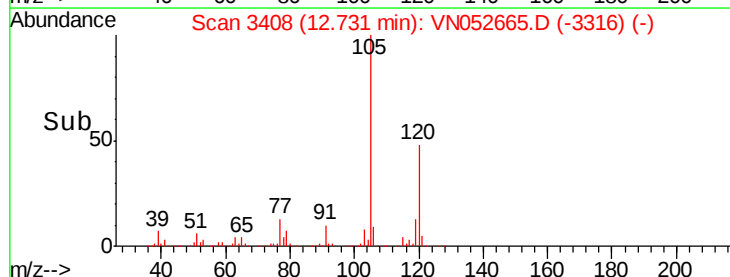
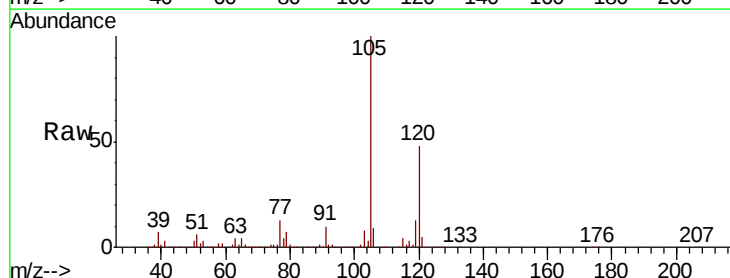
Acq: 5 Dec 2018 9:59

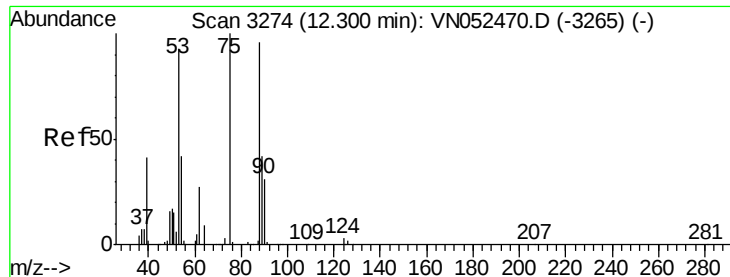
Tgt Ion:105 Resp: 1999081

Ion Ratio Lower Upper

105 100

120 48.7 24.3 73.0





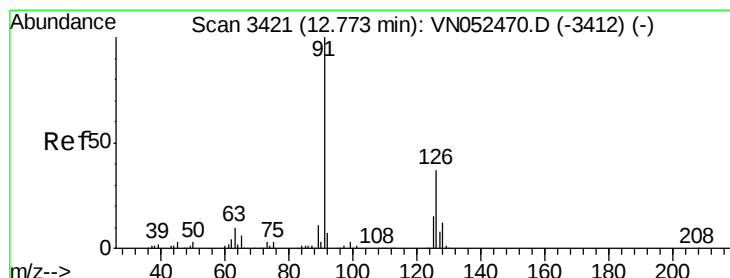
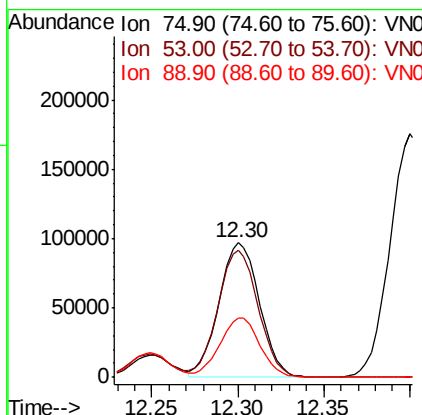
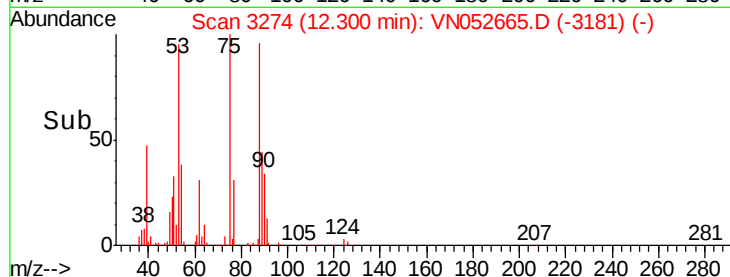
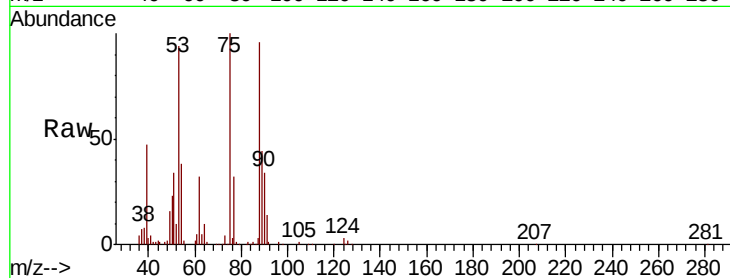
#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.137 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 93.6  | 77.4  | 116.0 |
| 89      | 43.8  | 35.4  | 53.2  |

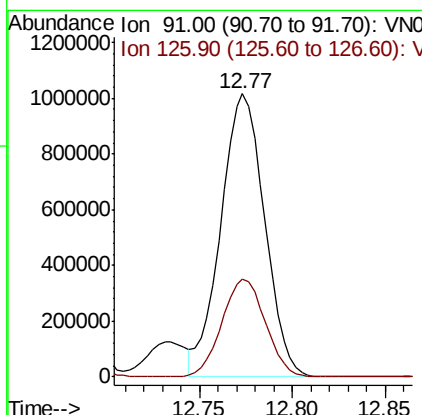
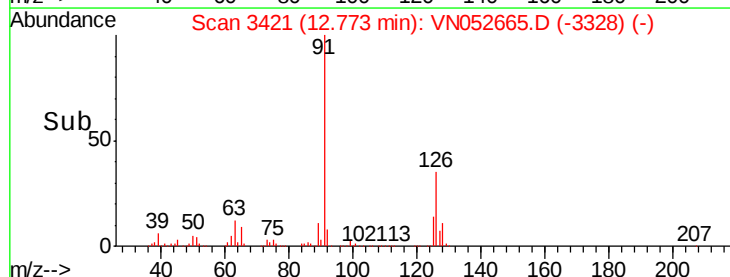
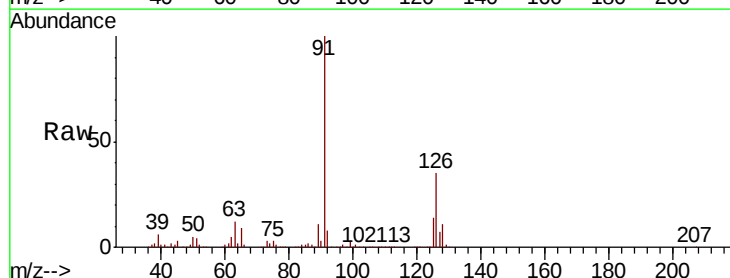
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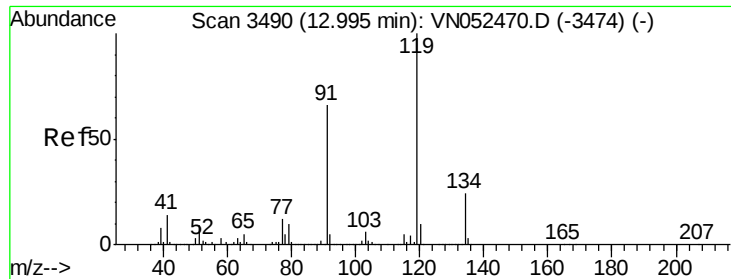
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#82  
4-Chlorotoluene  
Concen: 47.873 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.5  | 16.9  | 50.6  |





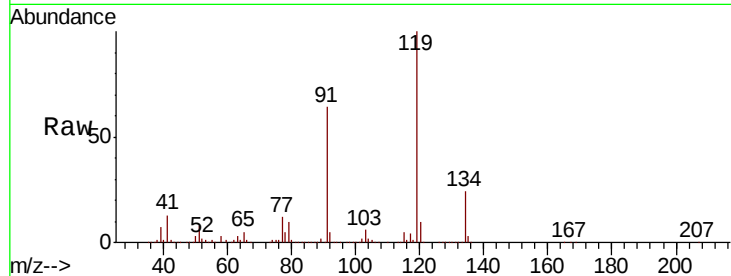
#83  
 tert-Butylbenzene  
 Concen: 49.283 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

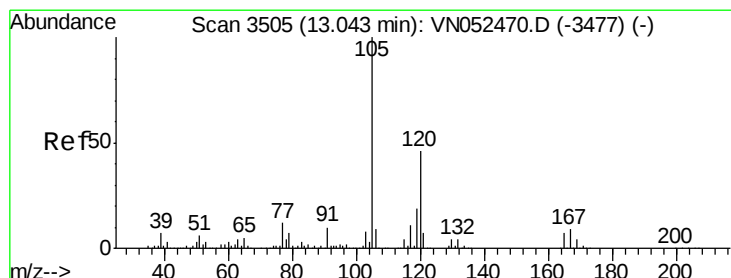
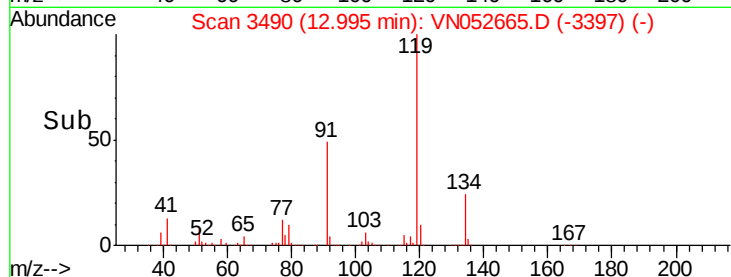
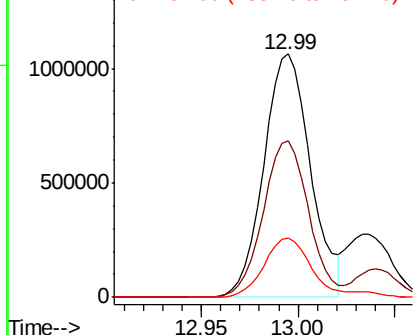
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.6  | 32.3  | 96.9  |
| 134     | 25.7  | 13.0  | 38.9  |

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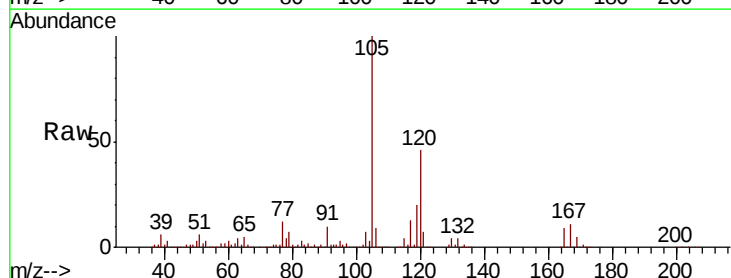


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

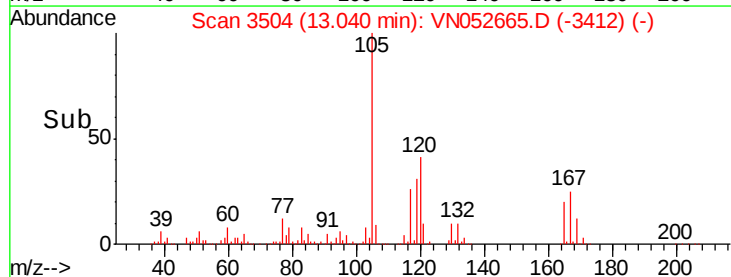
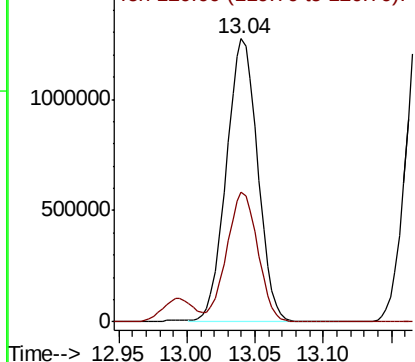


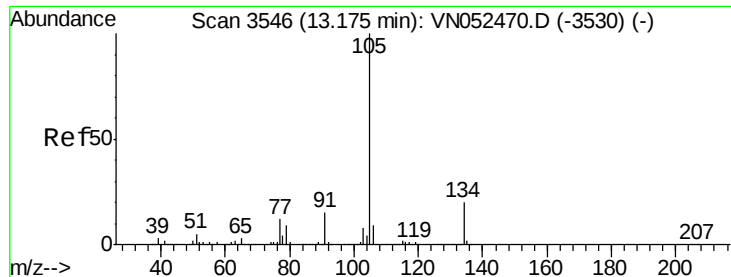
#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.697 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.8  | 22.8  | 68.4  |



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





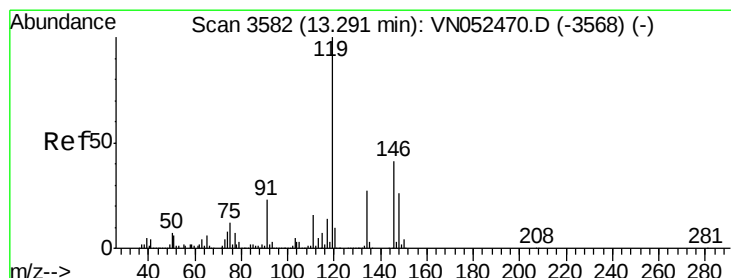
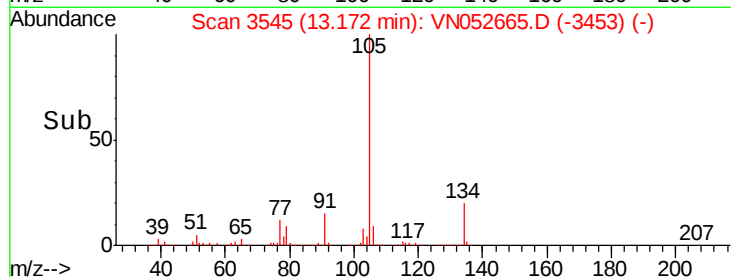
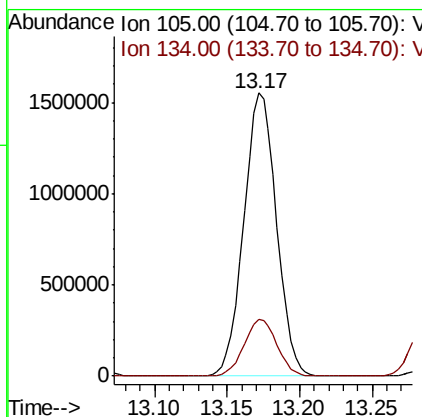
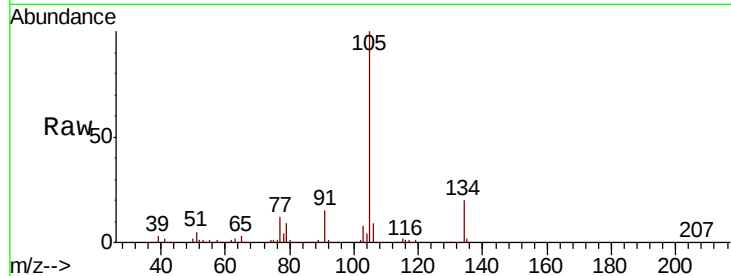
#85  
 sec-Butylbenzene  
 Concen: 49.250 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:105 Resp: 2432987  
 Ion Ratio Lower Upper  
 105 100  
 134 20.1 9.9 29.7

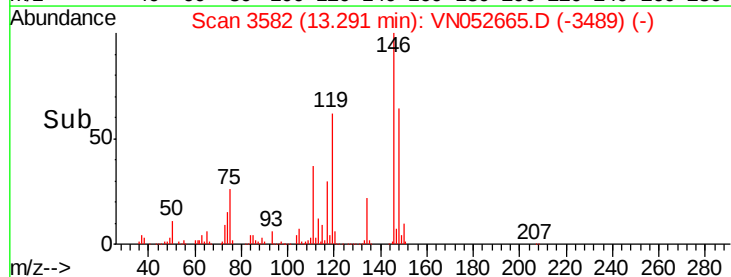
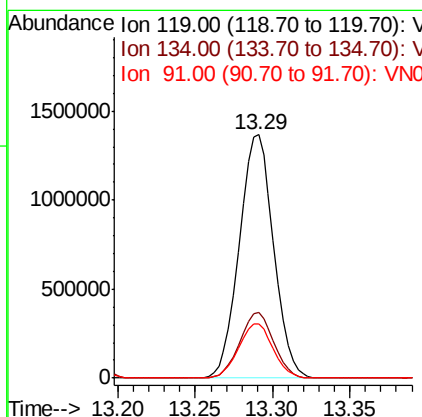
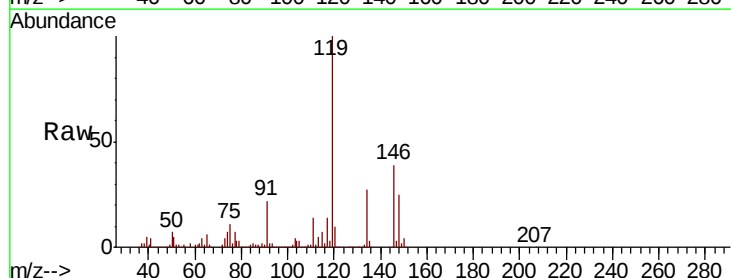
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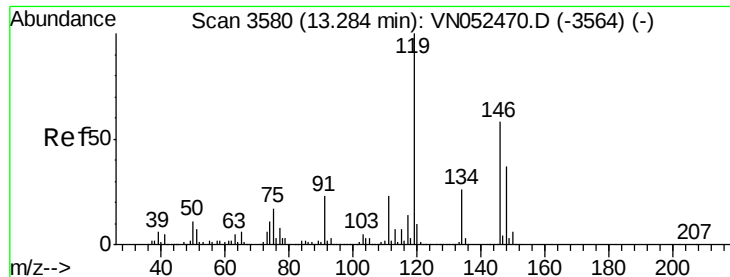
MMDadoda  
 12/6/2018 9:08:53 AM



#86  
 p-Isopropyltoluene  
 Concen: 49.924 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Tgt Ion:119 Resp: 2100632  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 13.4 40.2  
 91 22.3 11.4 34.2





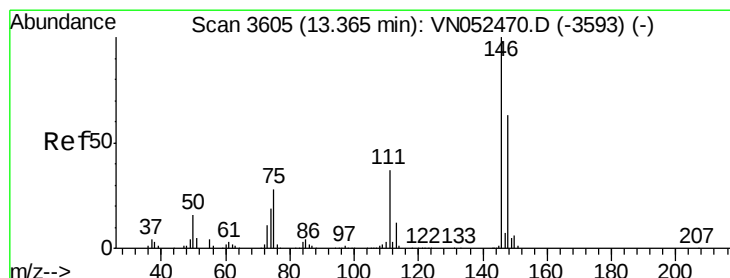
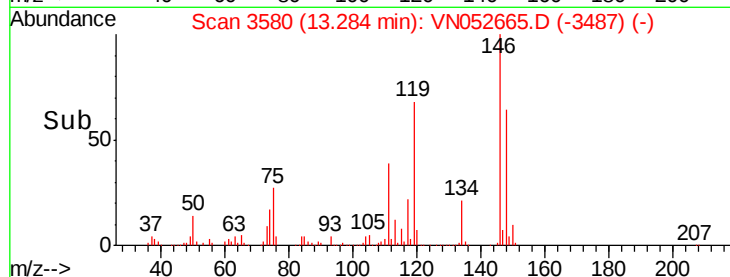
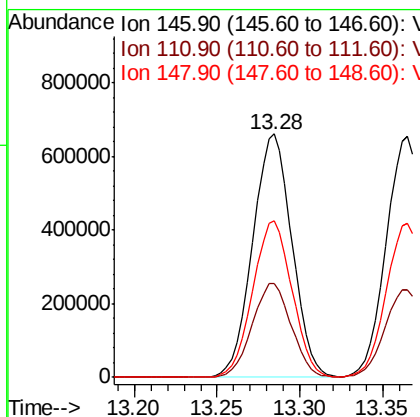
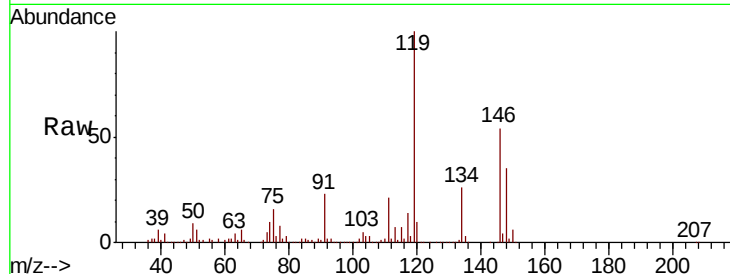
#87  
 1,3-Dichlorobenzene  
 Concen: 49.397 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:146 Resp: 1089471  
 Ion Ratio Lower Upper  
 146 100  
 111 38.5 19.4 58.4  
 148 64.2 31.8 95.4

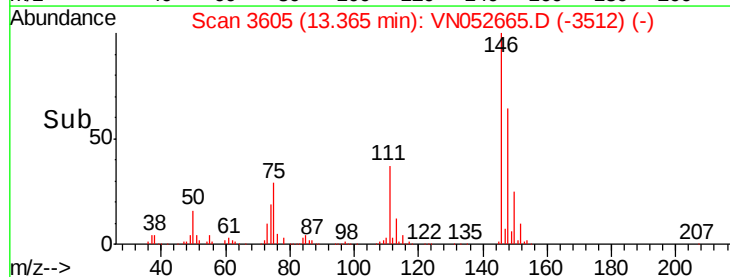
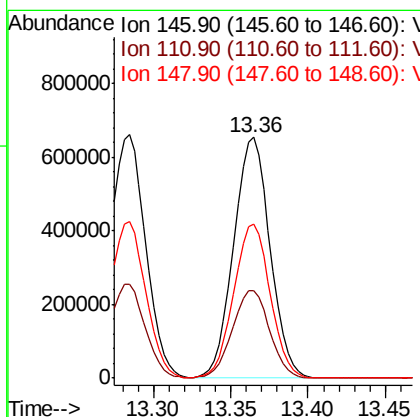
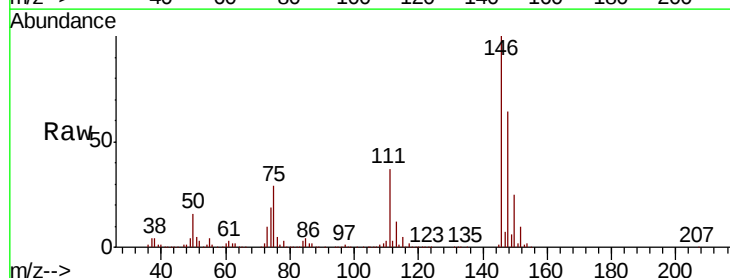
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#88  
 1,4-Dichlorobenzene  
 Concen: 49.207 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Tgt Ion:146 Resp: 1069019  
 Ion Ratio Lower Upper  
 146 100  
 111 37.2 18.6 56.0  
 148 64.1 31.9 95.9





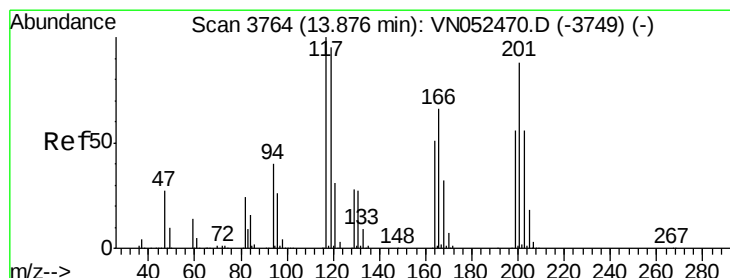
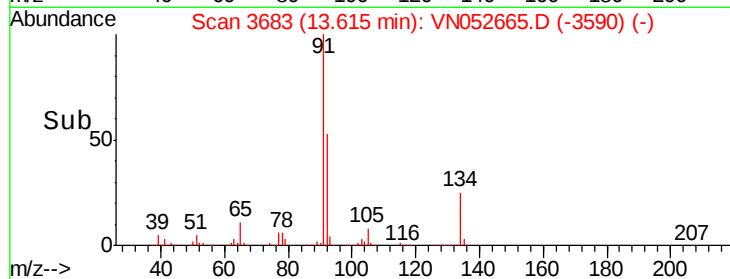
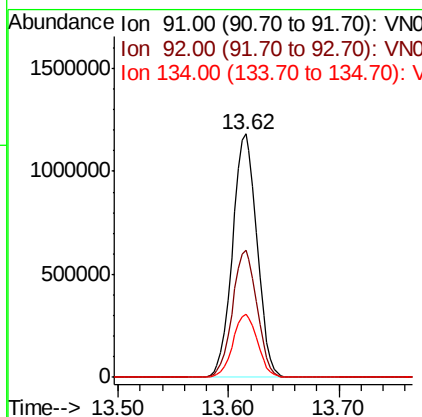
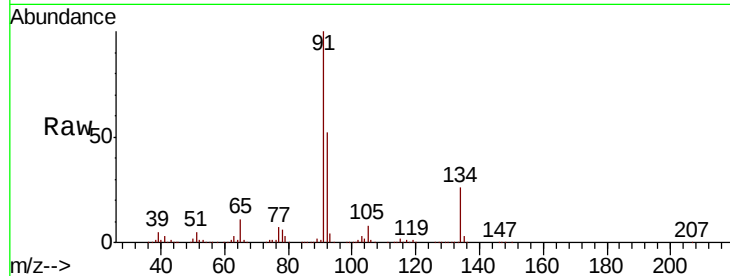
#89  
n-Butylbenzene  
Concen: 51.913 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.5  | 26.1  | 78.3  |
| 134     | 26.0  | 13.0  | 38.9  |

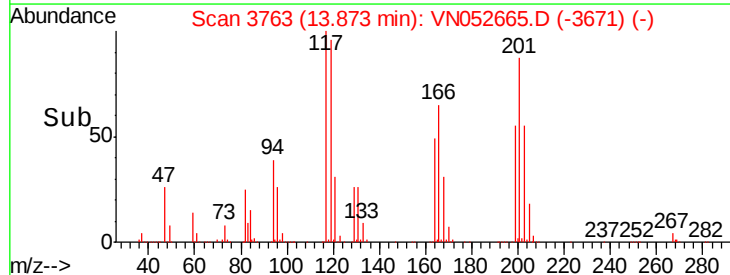
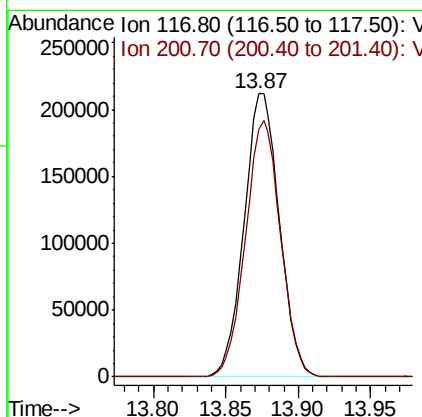
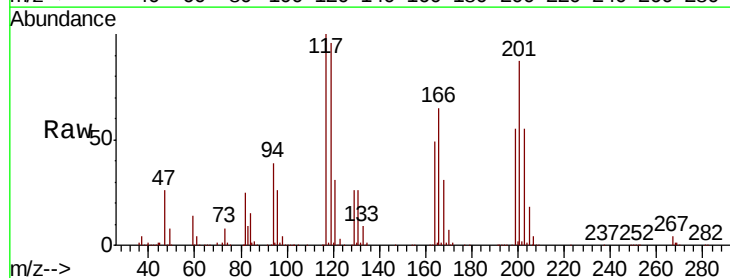
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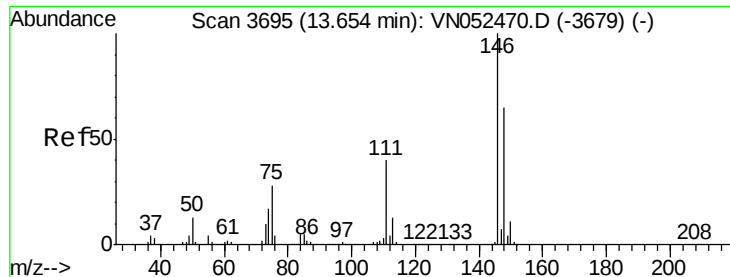
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12/6/2018 9:08:53 AM



#90  
Hexachloroethane  
Concen: 50.413 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 89.9  | 43.6  | 130.9 |





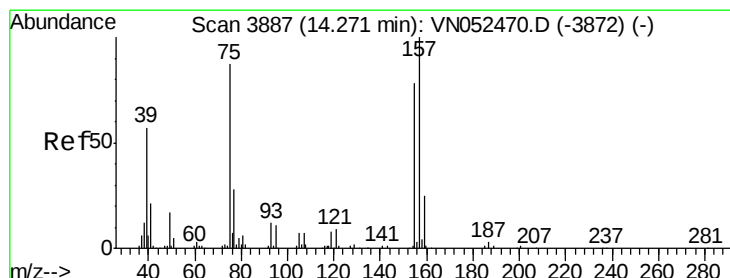
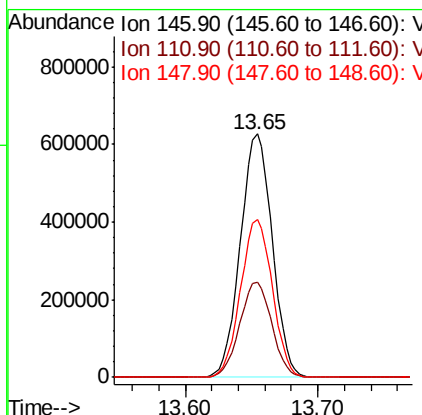
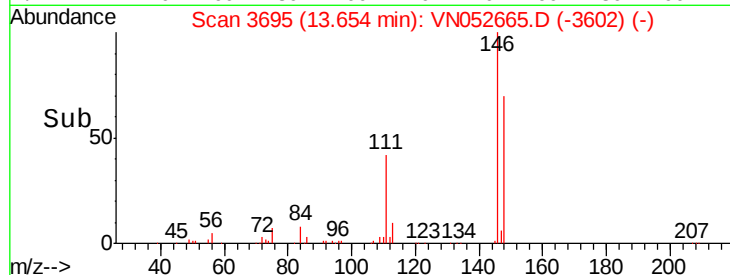
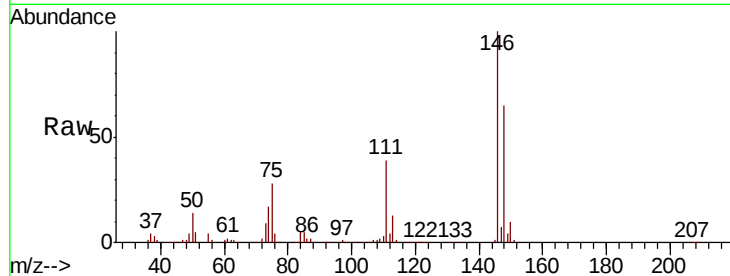
#91  
 1,2-Dichlorobenzene  
 Concen: 49.837 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 20.0  | 60.0  |
| 148     | 64.8  | 32.0  | 96.2  |

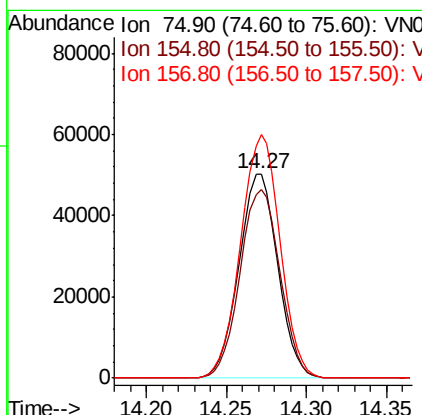
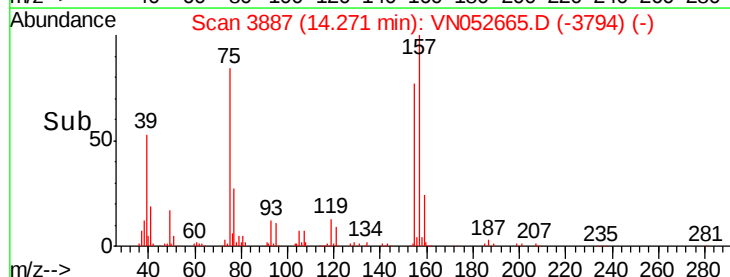
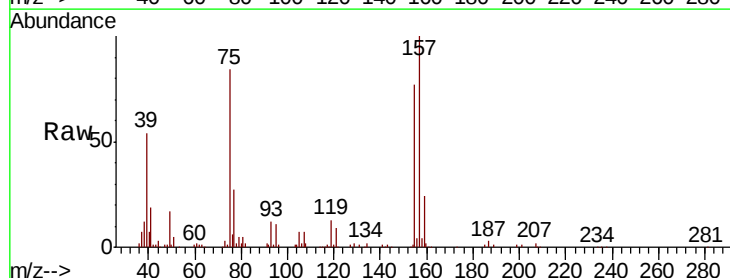
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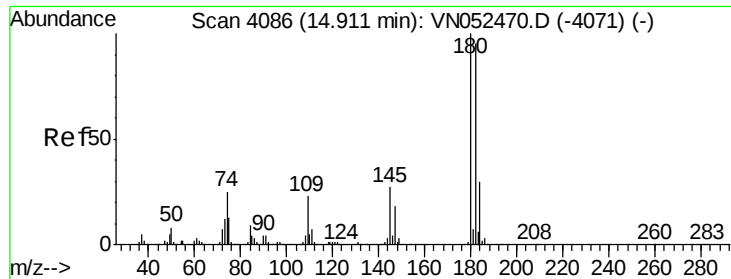
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 12/6/2018 9:08:53 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.190 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.9  | 45.3  | 135.9 |
| 157     | 120.8 | 58.1  | 174.2 |





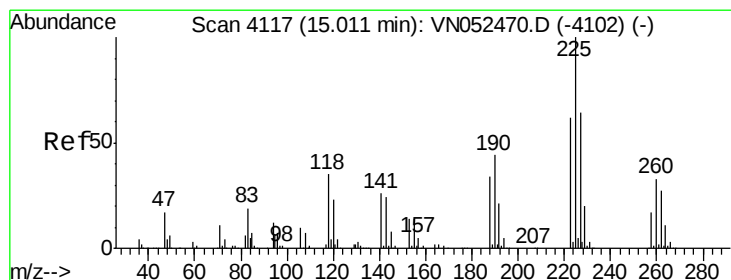
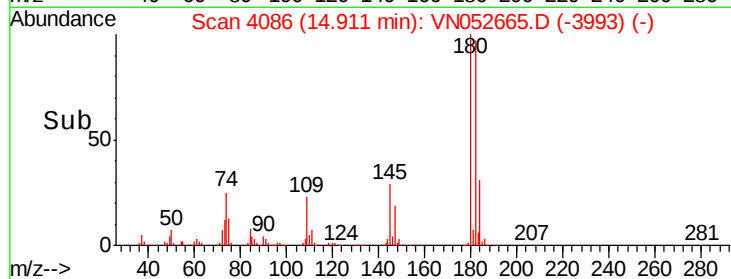
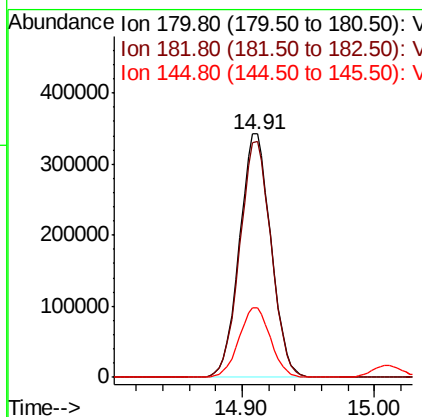
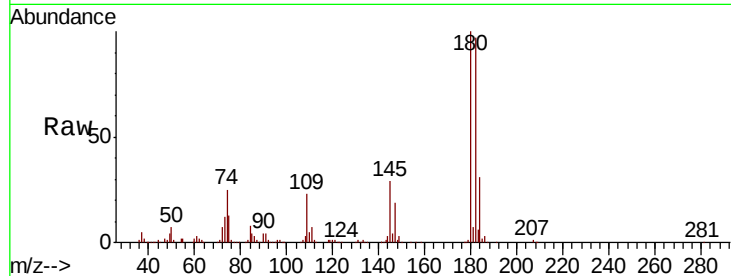
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.826 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 562801 |       |       |
| 182     | 96.6  | 47.8   | 143.4 |       |
| 145     | 28.8  | 14.1   | 42.3  |       |

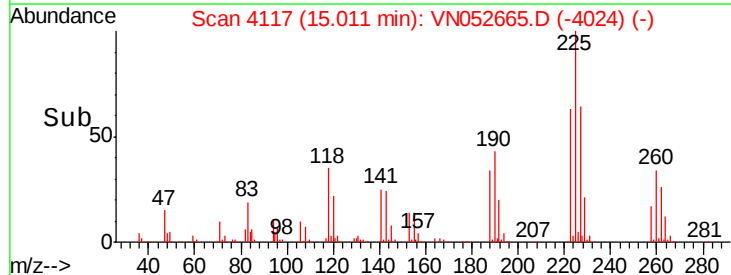
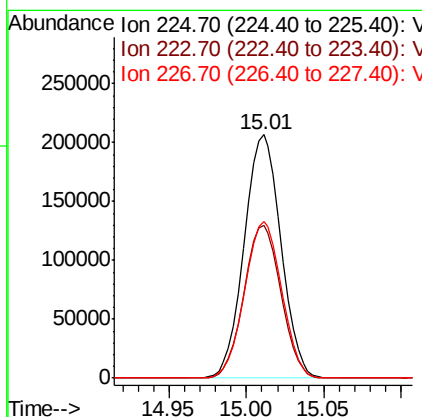
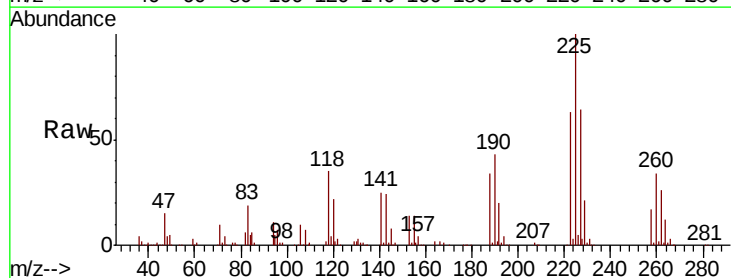
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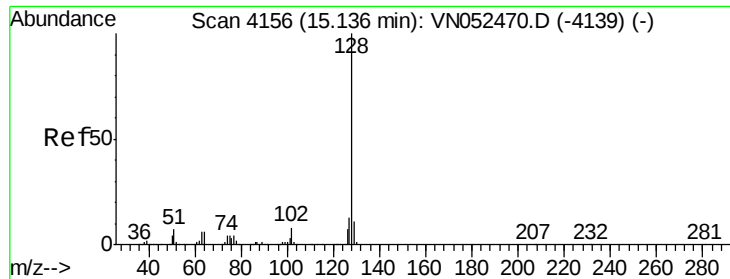
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 12/6/2018 9:08:53 AM



#94  
 Hexachlorobutadiene  
 Concen: 50.596 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN052665.D  
 Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 342985 |       |       |
| 223     | 63.1  | 31.4   | 94.2  |       |
| 227     | 64.8  | 32.5   | 97.4  |       |





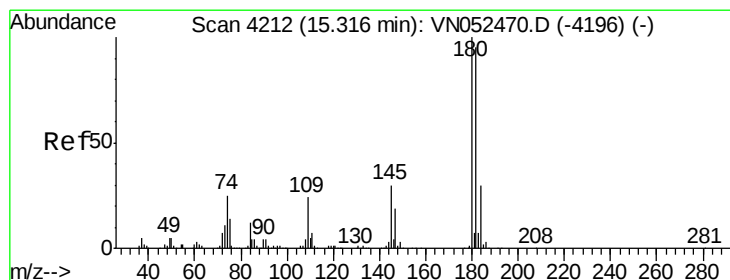
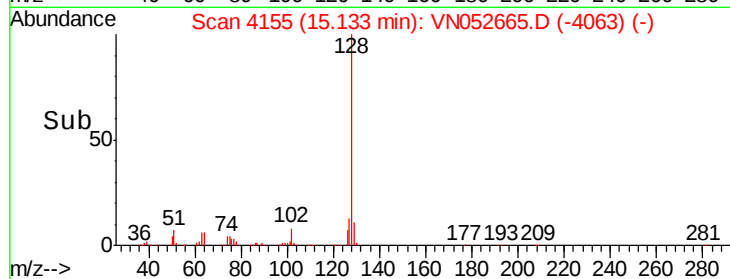
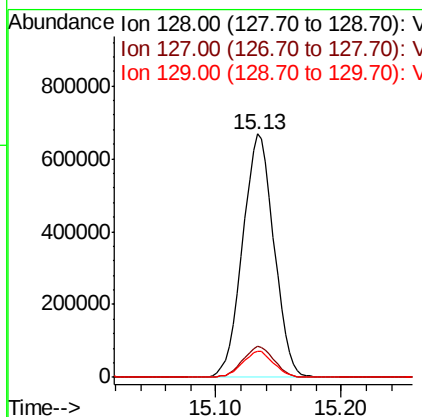
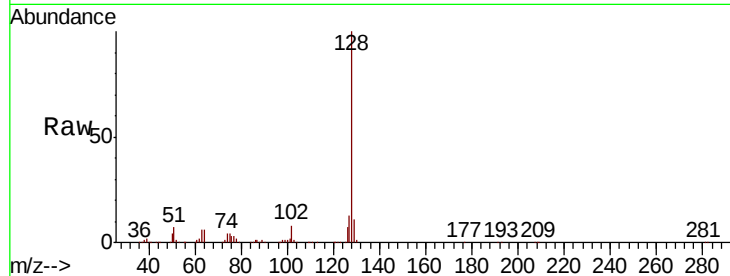
#95  
Naphthalene  
Concen: 47.588 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.2  | 15.2  |
| 129     | 10.7  | 8.7   | 13.1  |

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12/6/2018 9:08:53 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 48.633 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN052665.D  
Acq: 5 Dec 2018 9:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 47.8  | 143.3 |
| 145     | 30.2  | 15.2  | 45.5  |

