

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\  
 Data File : VN053249.D  
 Acq On : 3 Jan 2019 9:07  
 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  
 1/4/2019 12:38:54 PM

Quant Time: Jan 04 08:45:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 7.66  | 168  | 827632   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.58  | 114  | 1221689  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.41 | 117  | 1104943  | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.34 | 152  | 480943   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.02  | 65   | 390312   | 46.47   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 92.94%  |          |
| 35) Dibromofluoromethane      | 7.59  | 113  | 340097   | 60.94   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 121.88% |          |
| 50) Toluene-d8                | 10.09 | 98   | 1438971  | 48.03   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 96.06%  |          |
| 62) 4-Bromofluorobenzene      | 12.40 | 95   | 509707   | 48.46   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 96.92%  |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.85  | 85   | 387576   | 46.271  | ug/l    | 100      |
| 3) Chloromethane              | 2.06  | 50   | 474629   | 46.760  | ug/l    | 99       |
| 4) Vinyl Chloride             | 2.19  | 62   | 479546   | 46.649  | ug/l    | 100      |
| 5) Bromomethane               | 2.57  | 94   | 349338   | 49.049  | ug/l    | 100      |
| 6) Chloroethane               | 2.71  | 64   | 289849   | 47.608  | ug/l    | 98       |
| 7) Trichlorofluoromethane     | 3.02  | 101  | 643593   | 50.257  | ug/l    | 99       |
| 8) Diethyl Ether              | 3.41  | 74   | 253250   | 52.420  | ug/l    | 96       |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76  | 101  | 428607   | 52.493  | ug/l    | 98       |
| 10) Methyl Iodide             | 3.96  | 142  | 581819   | 50.741  | ug/l    | 99       |
| 11) Tert butyl alcohol        | 4.77  | 59   | 117150   | 228.600 | ug/l #  | 88       |
| 12) 1,1-Dichloroethene        | 3.74  | 96   | 389178   | 49.335  | ug/l    | 99       |
| 13) Acrolein                  | 3.61  | 56   | 118351   | 254.696 | ug/l    | 98       |
| 14) Allyl chloride            | 4.33  | 41   | 667600   | 54.636  | ug/l    | 94       |
| 15) Acrylonitrile             | 4.98  | 53   | 745818   | 261.965 | ug/l    | 99       |
| 16) Acetone                   | 3.81  | 43   | 542728   | 329.573 | ug/l    | 96       |
| 17) Carbon Disulfide          | 4.06  | 76   | 1034163  | 40.199  | ug/l    | 100      |
| 18) Methyl Acetate            | 4.32  | 43   | 425390   | 56.777  | ug/l    | 99       |
| 19) Methyl tert-butyl Ether   | 5.04  | 73   | 1106468  | 52.414  | ug/l    | 100      |
| 20) Methylene Chloride        | 4.55  | 84   | 461274   | 51.350  | ug/l    | 99       |
| 21) trans-1,2-Dichloroethene  | 5.05  | 96   | 417497   | 49.260  | ug/l    | 98       |
| 22) Diisopropyl ether         | 5.95  | 45   | 1444787  | 55.395  | ug/l    | 97       |
| 23) Vinyl Acetate             | 5.89  | 43   | 4062247  | 270.860 | ug/l    | 99       |
| 24) 1,1-Dichloroethane        | 5.85  | 63   | 815888   | 52.644  | ug/l    | 99       |
| 25) 2-Butanone                | 6.83  | 43   | 818312   | 296.096 | ug/l    | 100      |
| 26) 2,2-Dichloropropane       | 6.82  | 77   | 629970   | 53.248  | ug/l    | 100      |
| 27) cis-1,2-Dichloroethene    | 6.83  | 96   | 502980   | 52.420  | ug/l    | 100      |
| 28) Bromochloromethane        | 7.19  | 49   | 358107   | 53.324  | ug/l    | 97       |
| 29) Tetrahydrofuran           | 7.21  | 42   | 537174   | 260.247 | ug/l    | 99       |
| 30) Chloroform                | 7.37  | 83   | 806351   | 52.963  | ug/l    | 100      |
| 31) Cyclohexane               | 7.65  | 56   | 727617   | 50.059  | ug/l    | 100      |
| 32) 1,1,1-Trichloroethane     | 7.57  | 97   | 671477   | 51.773  | ug/l    | 99       |
| 36) 1,1-Dichloropropene       | 7.79  | 75   | 616016   | 52.534  | ug/l    | 100      |
| 37) Ethyl Acetate             | 6.92  | 43   | 354654   | 54.178  | ug/l    | 99       |
| 38) Carbon Tetrachloride      | 7.77  | 117  | 585991   | 54.521  | ug/l    | 98       |

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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  
 1/4/2019 12:38:54 PM

Quant Time: Jan 04 08:45:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 722076   | 50.690  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 1861783  | 53.378  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 210110   | 55.551  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 548427   | 53.225  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 652957   | 51.577  | ug/l   | 97       |
| 44) Trichloroethene            | 8.83  | 130  | 503613   | 49.920  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 505782   | 55.672  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 280248   | 52.953  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 625663   | 55.615  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 334970   | 52.734  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 71233    | 886.516 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1758824  | 277.445 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 1165200  | 53.897  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 635913   | 53.756  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 750811   | 55.294  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 414091   | 54.903  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 540361   | 54.129  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 710080   | 54.902  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 1439676  | 262.689 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1234878  | 287.911 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 475828   | 55.115  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 407785   | 53.236  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 528504   | 44.156  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 1331465  | 54.360  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 473330   | 55.571  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 2296190  | 54.512  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1738853  | 108.589 | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 848127   | 55.195  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 1419703  | 56.662  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 314084   | 51.044  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 2285663  | 60.741  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 573121   | 54.858  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 418419   | 56.678  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 368405m  | 45.504  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 574775   | 58.761  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 2612531  | 60.960  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1519226  | 57.190  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1813794  | 59.136  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 136588   | 54.376  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1556009  | 59.837  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1604927  | 59.166  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1807472  | 58.621  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 2135656  | 58.207  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1830492  | 57.737  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 941996   | 54.412  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 912785   | 52.064  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 1466521  | 53.768  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 280678   | 57.691  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 783006   | 48.057  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 26626    | 20.859  | ug/l   | 97       |

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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

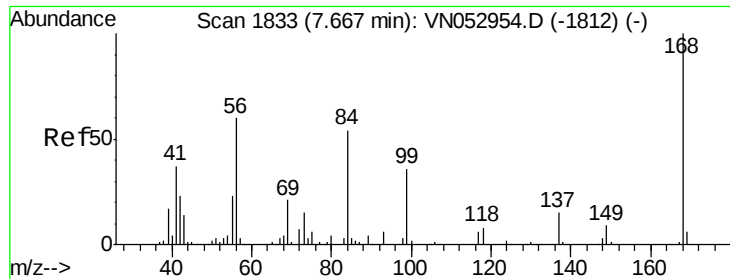
MMDadoda  
1/4/2019 12:38:54 PM

Quant Time: Jan 04 08:45:35 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 74511    | 9.125  | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 102235   | 21.221 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 113172   | 6.994  | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 38195    | 5.372  | ug/l  | 99       |

(#) = 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: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 827632

Ion Ratio Lower Upper

168 100

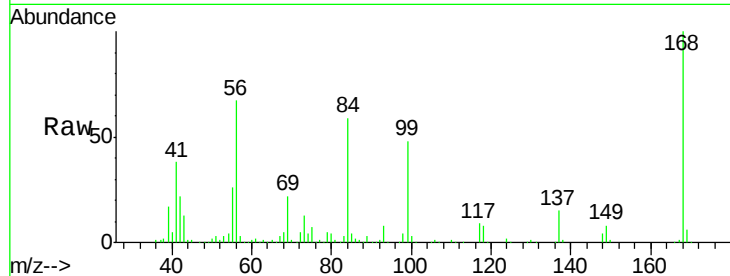
99 48.3 40.2 60.2

Manual Integrations

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1/4/2019 12:38:54 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

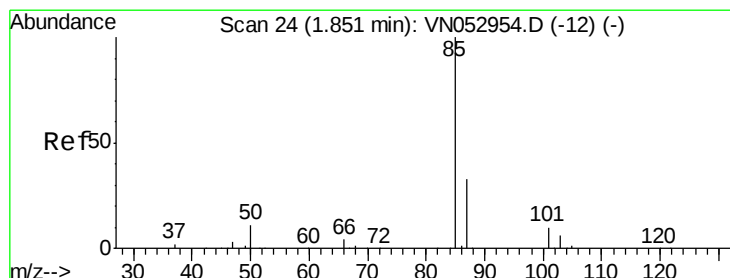
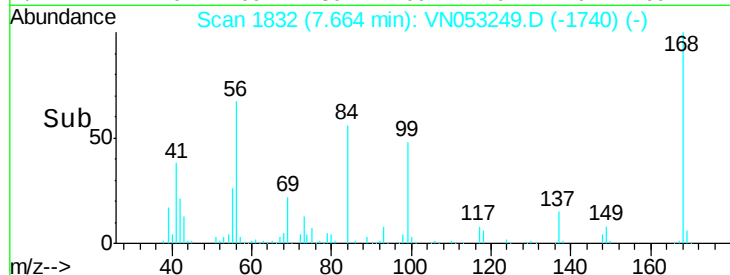
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.271 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053249.D

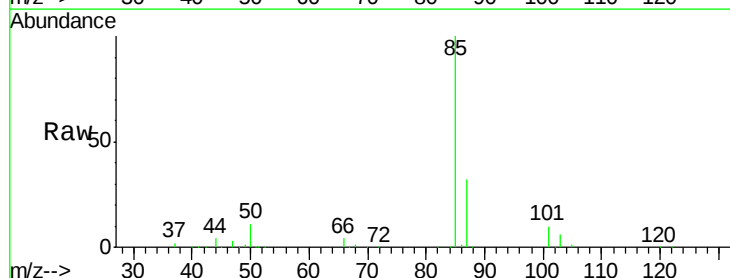
Acq: 3 Jan 2019 9:07

Tgt Ion: 85 Resp: 387576

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

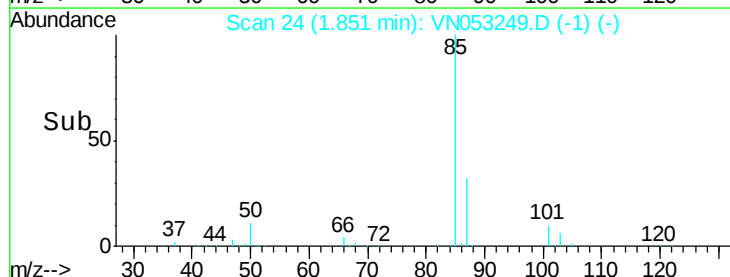
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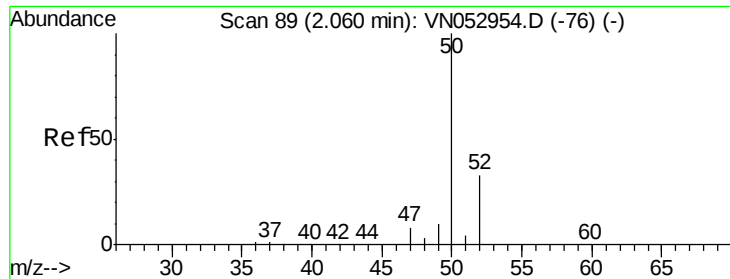
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50000

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Time-->





#3

Chloromethane

Concen: 46.760 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 474629

Ion Ratio Lower Upper

50 100

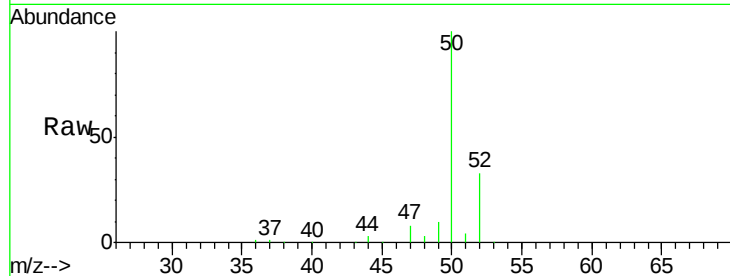
52 33.3 26.2 39.4

Manual Integrations

APPROVED

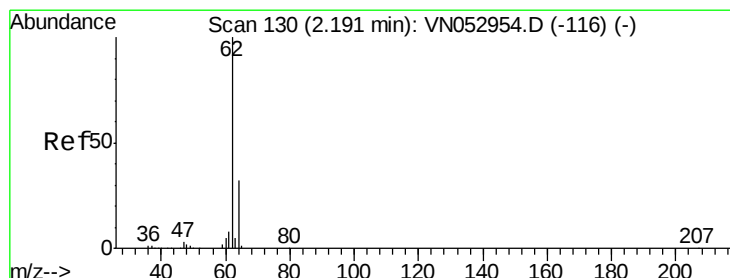
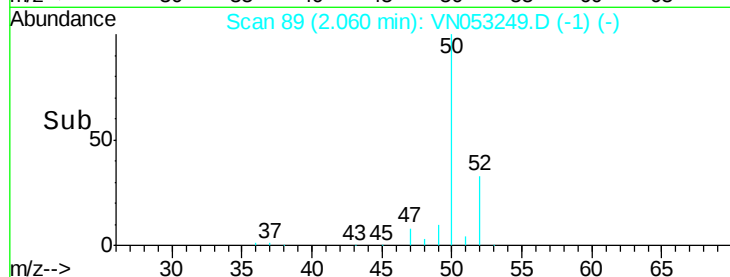
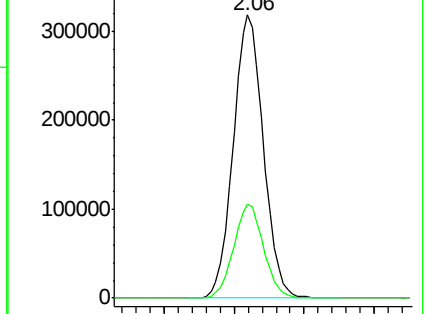
MMDadoda

1/4/2019 12:38:54 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.649 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053249.D

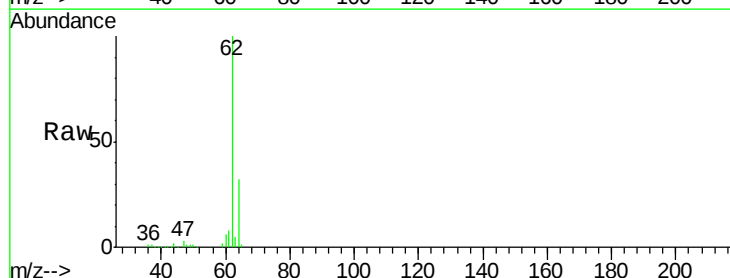
Acq: 3 Jan 2019 9:07

Tgt Ion: 62 Resp: 479546

Ion Ratio Lower Upper

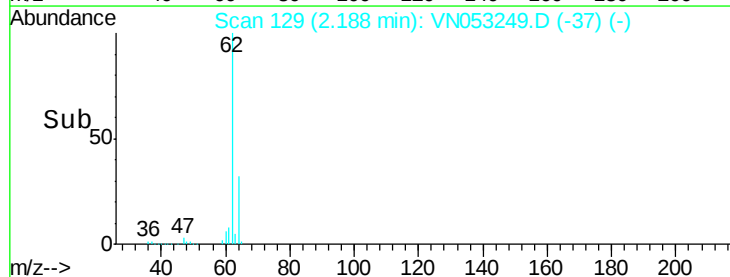
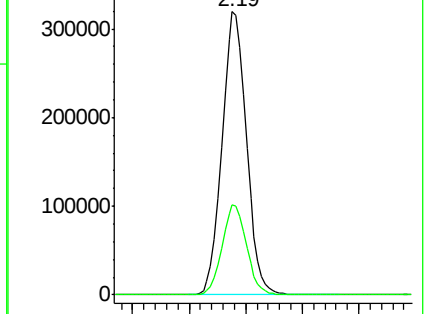
62 100

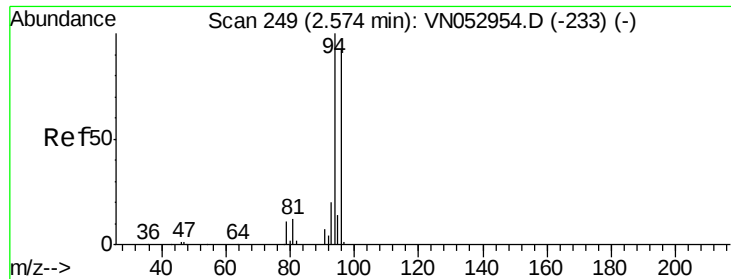
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 49.049 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 349338

Ion Ratio Lower Upper

94 100

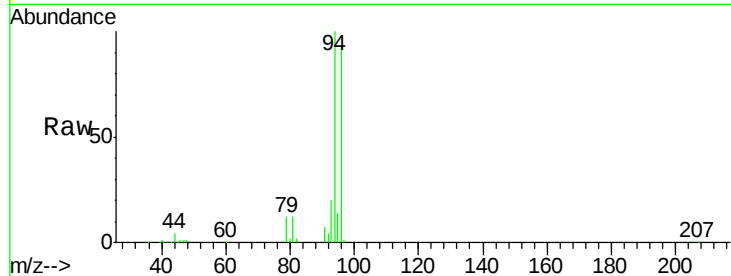
96 93.4 75.0 112.4

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:38:54 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

200000

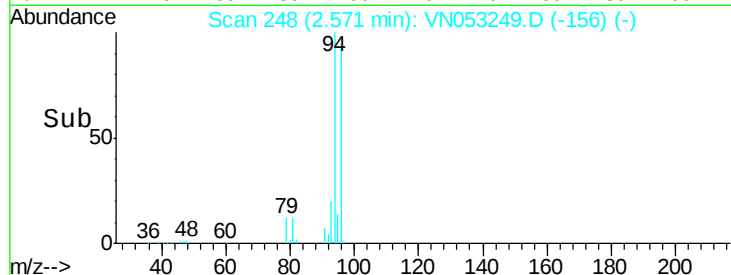
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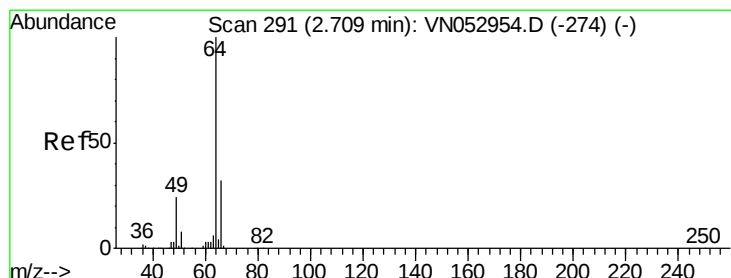
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Time-->



Time-->



#6

Chloroethane

Concen: 47.608 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053249.D

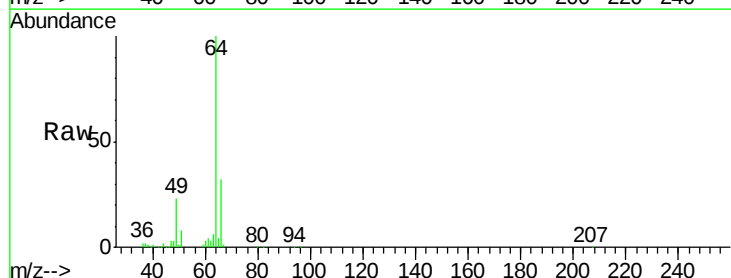
Acq: 3 Jan 2019 9:07

Tgt Ion: 64 Resp: 289849

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

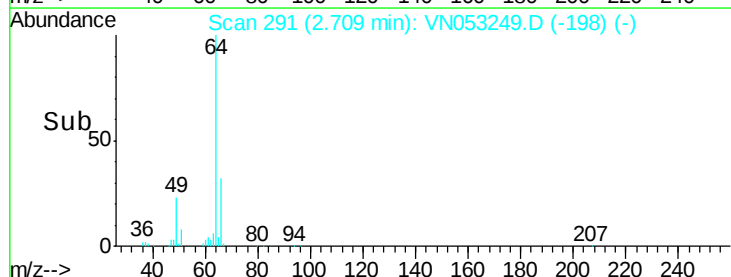
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100000

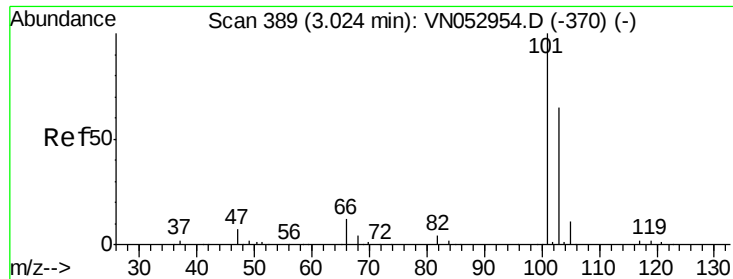
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Time-->



Time-->



#7

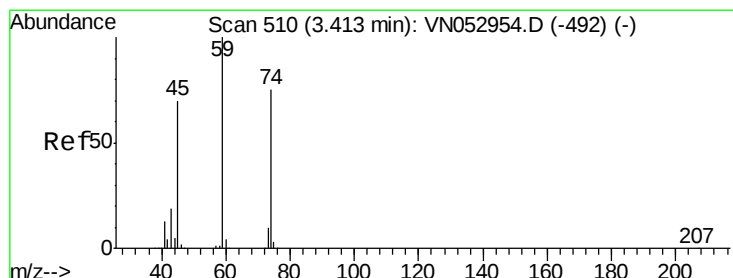
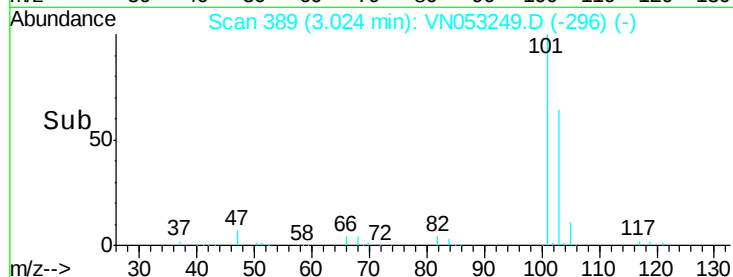
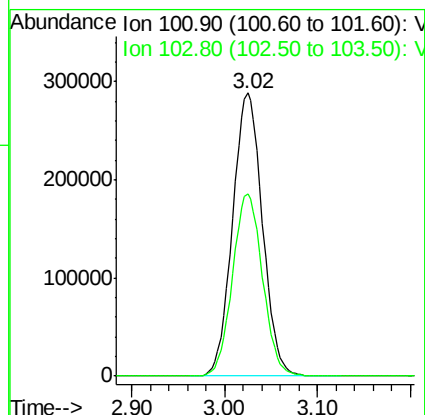
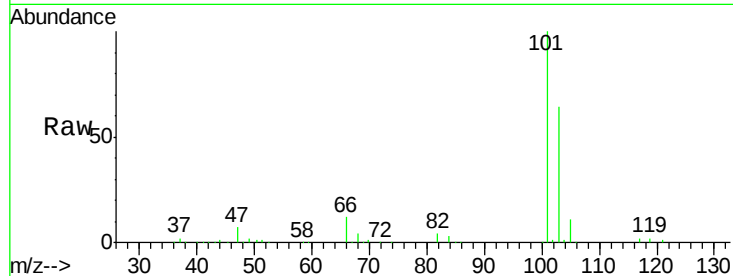
Trichlorofluoromethane  
Concen: 50.257 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:101 Resp: 643593  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.8 77.6

Manual Integrations  
APPROVED

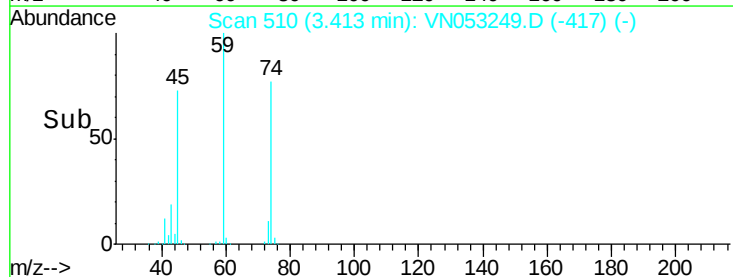
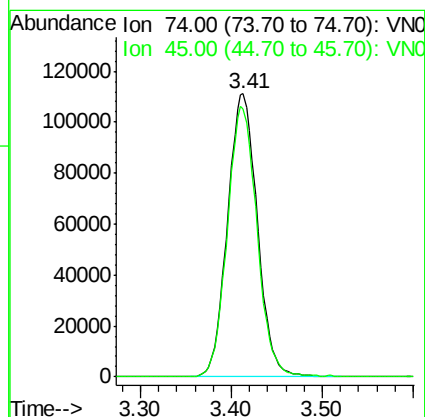
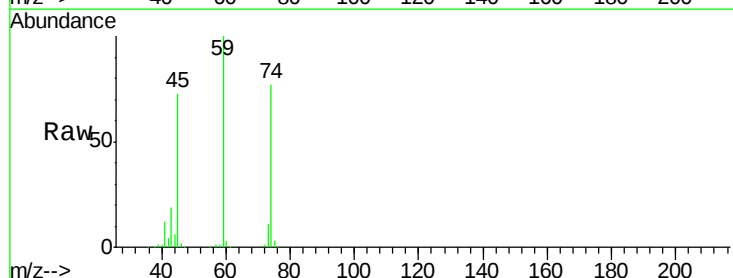
MMDadoda  
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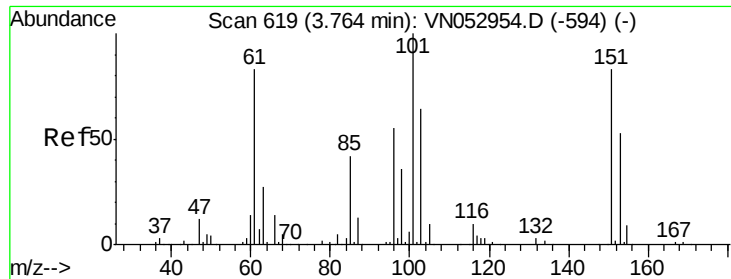


#8

Diethyl Ether  
Concen: 52.420 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Tgt Ion: 74 Resp: 253250  
Ion Ratio Lower Upper  
74 100  
45 94.9 49.4 148.0





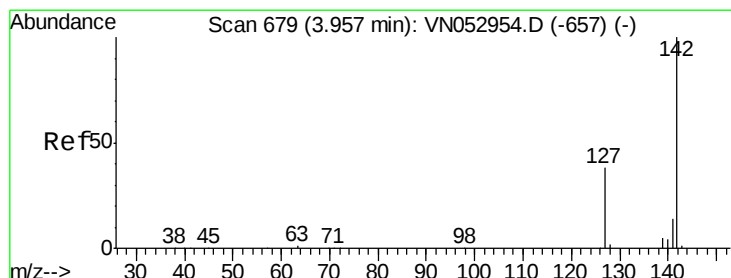
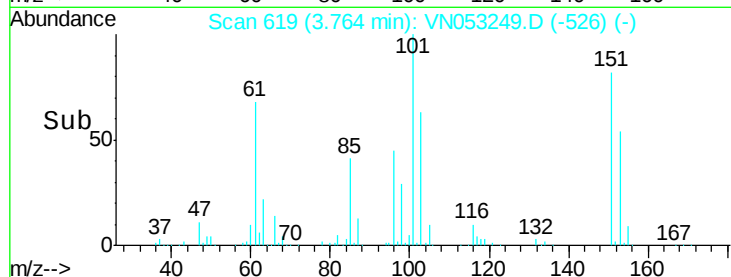
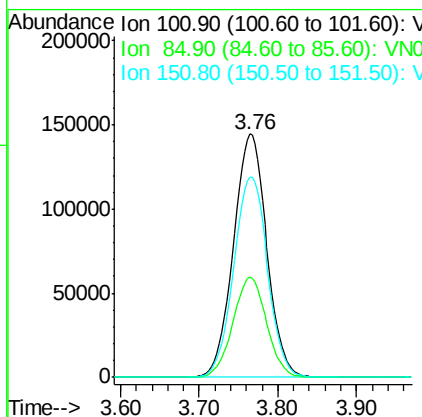
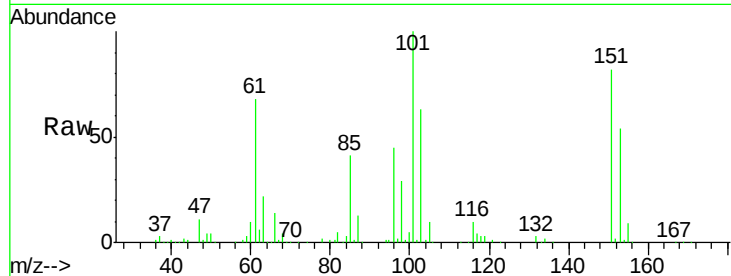
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 52.493 ug/l  
 RT: 3.76 min Scan# 619  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 428607 |       |       |
| 85      | 41.5  | 33.6   | 50.4  |       |
| 151     | 84.0  | 65.5   | 98.3  |       |

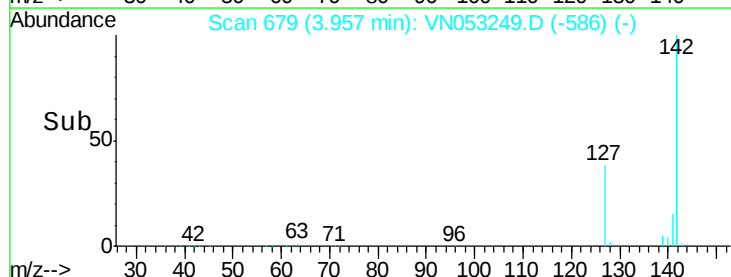
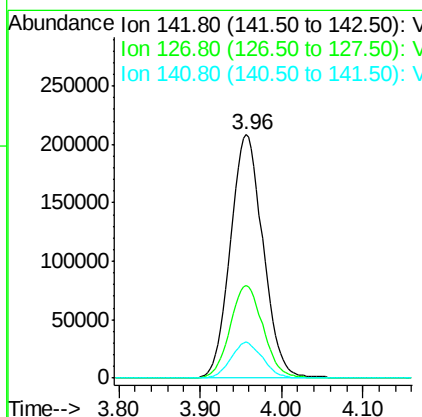
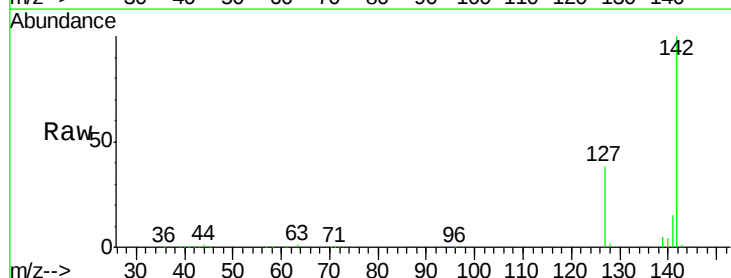
Manual Integrations  
 APPROVED

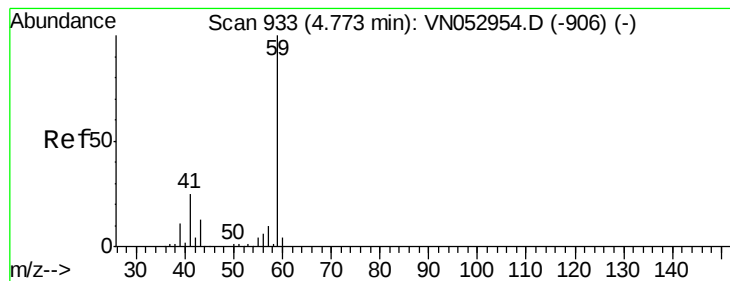
MMDadoda  
 1/4/2019 12:38:54 PM



#10  
 Methyl Iodide  
 Concen: 50.741 ug/l  
 RT: 3.96 min Scan# 679  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 581819 |       |       |
| 127     | 38.5  | 31.0   | 46.6  |       |
| 141     | 14.3  | 11.2   | 16.8  |       |





#11

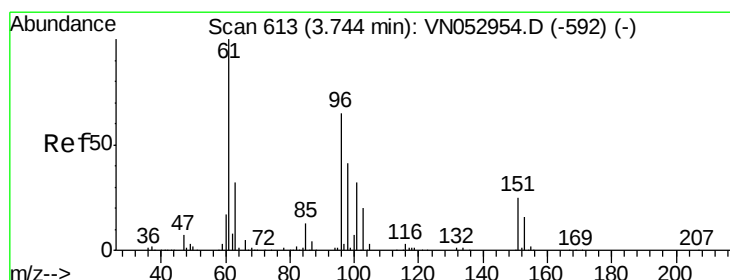
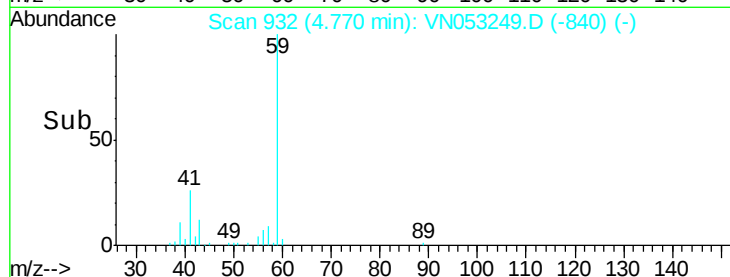
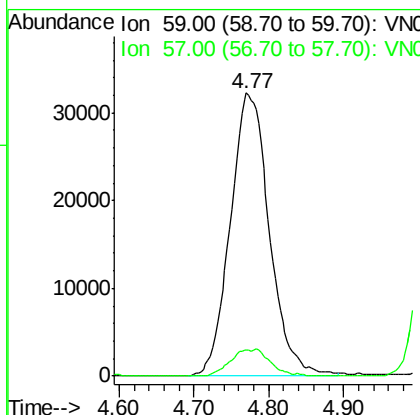
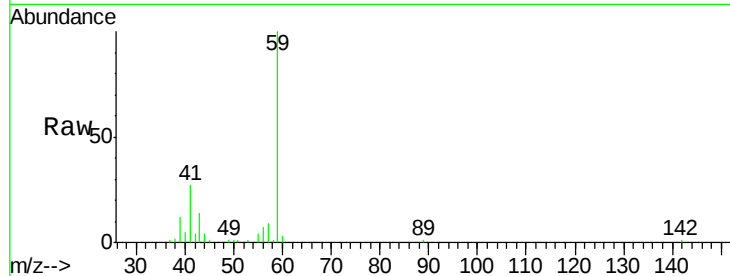
Tert butyl alcohol  
Concen: 228.600 ug/l  
RT: 4.77 min Scan# 932  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 59  | Resp  | 117150 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 57        | 5.2 | 7.7   | 11.5#  |

Manual Integrations  
APPROVED

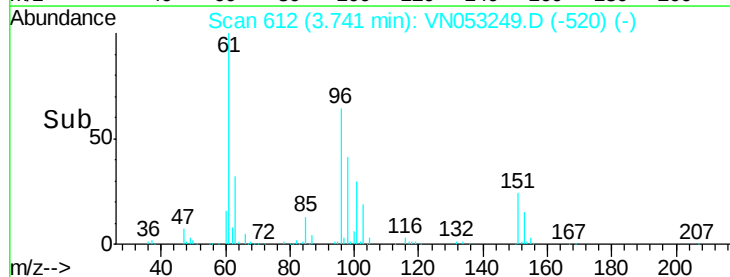
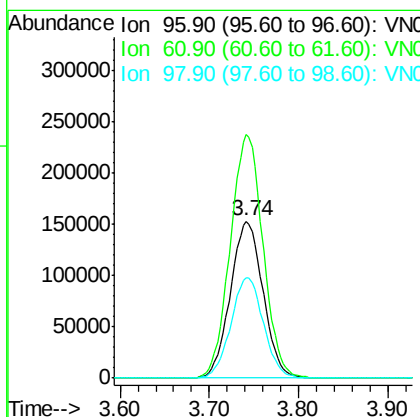
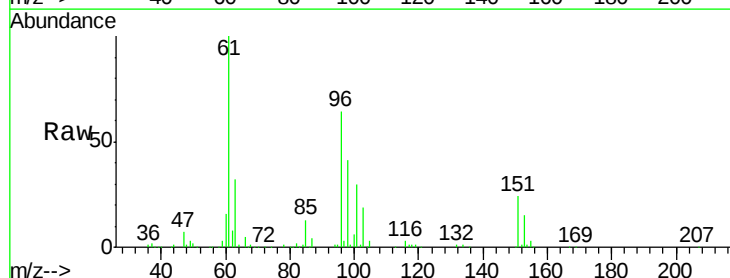
MMDadoda  
1/4/2019 12:38:54 PM

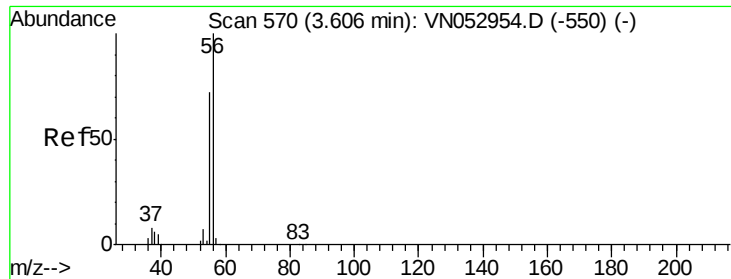


#12

1,1-Dichloroethene  
Concen: 49.335 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion   | 96    | Resp  | 389178 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 155.3 | 125.6 | 188.4  |
| 98        | 64.2  | 50.6  | 75.8   |





#13

Acrolein

Concen: 254.696 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 118351

Ion Ratio Lower Upper

56 100

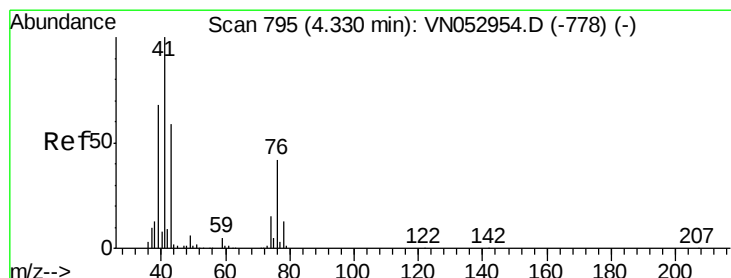
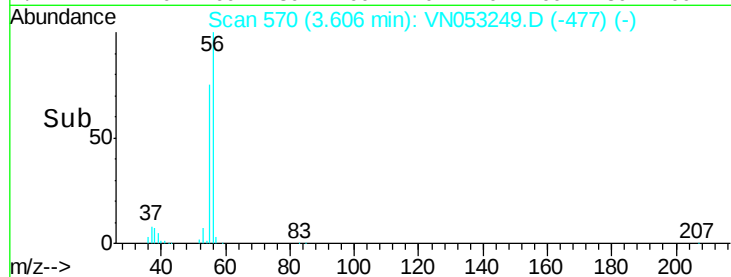
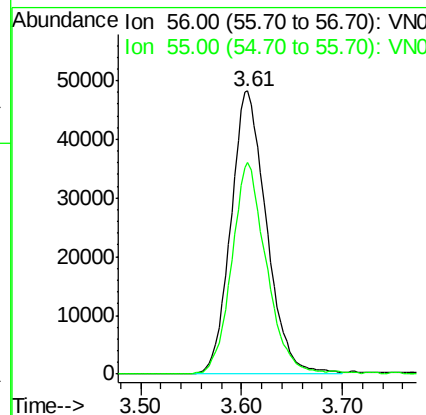
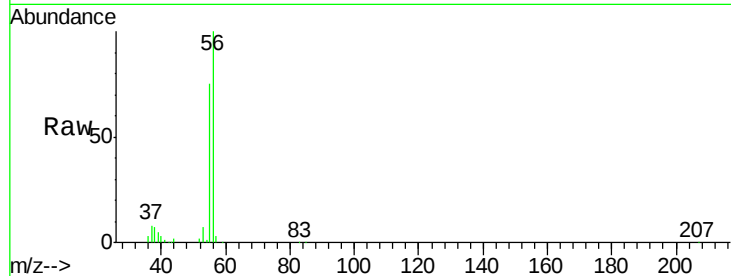
55 72.4 56.6 85.0

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 54.636 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

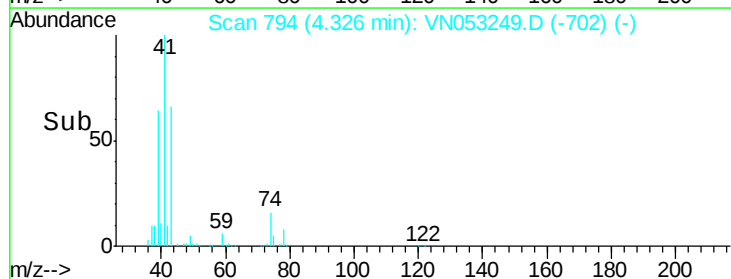
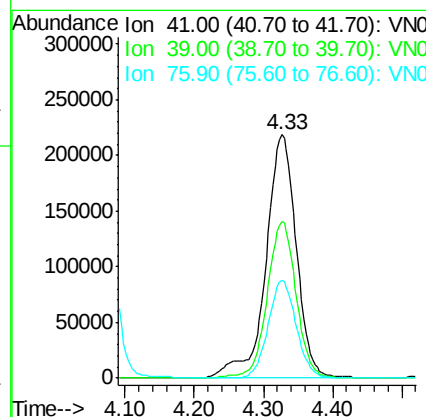
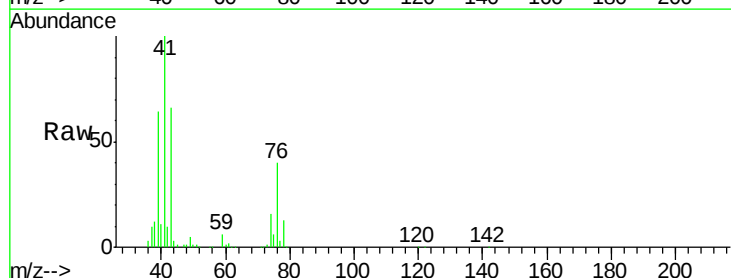
Tgt Ion: 41 Resp: 667600

Ion Ratio Lower Upper

41 100

39 61.0 54.1 81.1

76 36.6 30.3 45.5





#15

Acrylonitrile

Concen: 261.965 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

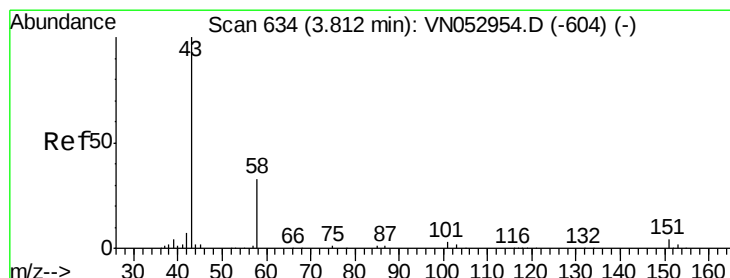
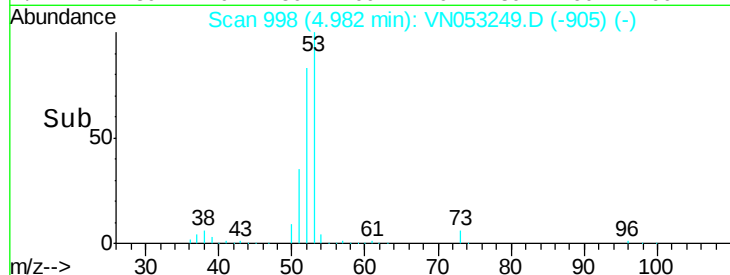
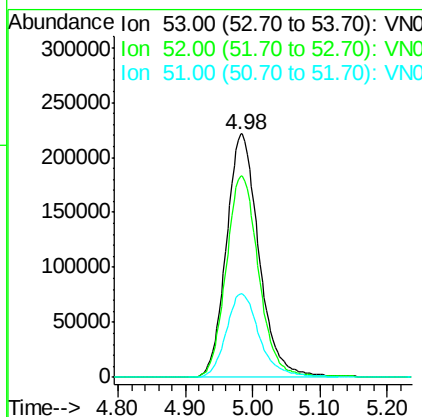
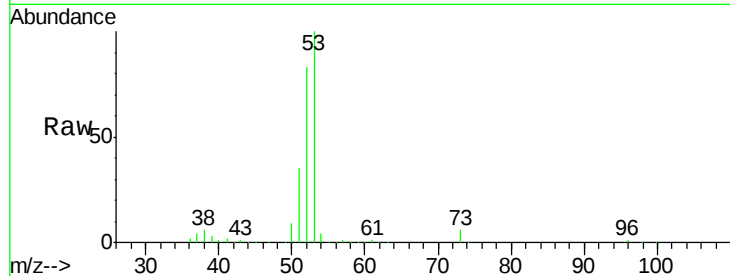
ClientSampled :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 745818 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.8  | 65.1  | 97.7   |
| 51        | 35.4  | 28.1  | 42.1   |

Manual Integrations  
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1/4/2019 12:38:54 PM



#16

Acetone

Concen: 329.573 ug/l

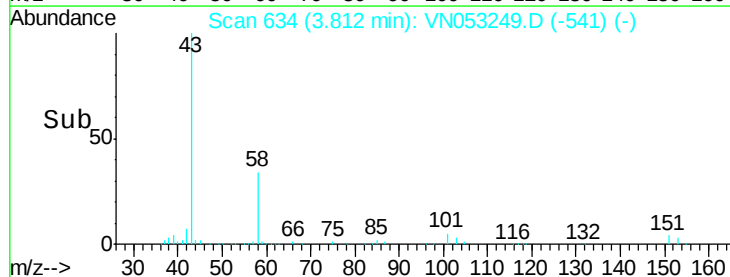
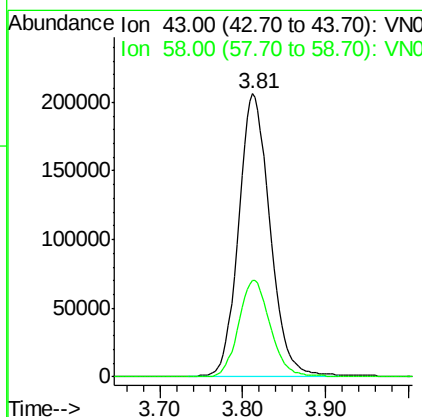
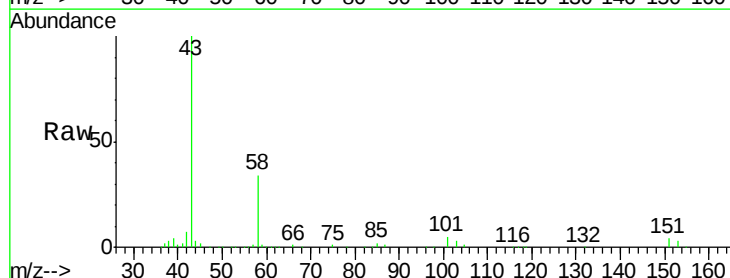
RT: 3.81 min Scan# 634

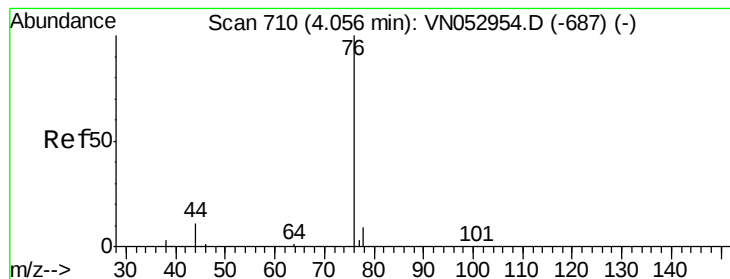
Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 542728 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 34.0  | 25.4  | 38.0   |





#17

Carbon Disulfide

Concen: 40.199 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Tot Ion: 76 Resp: 1034163

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

Instrument :

MSVOA\_N

ClientSampled :

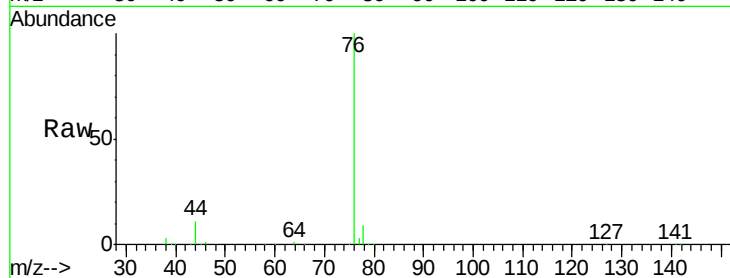
VSTDCCC050

Manual Integrations

APPROVED

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1/4/2019 12:38:54 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

400000

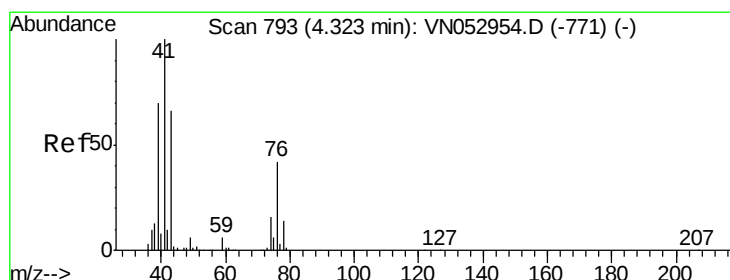
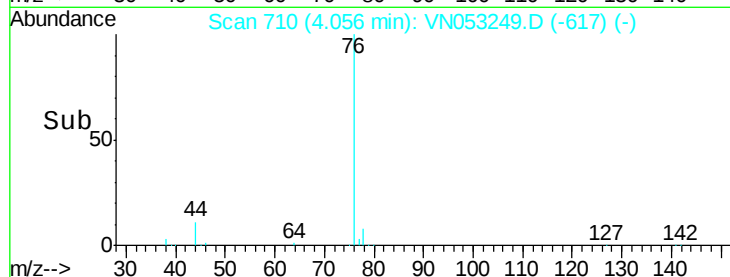
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 56.777 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053249.D

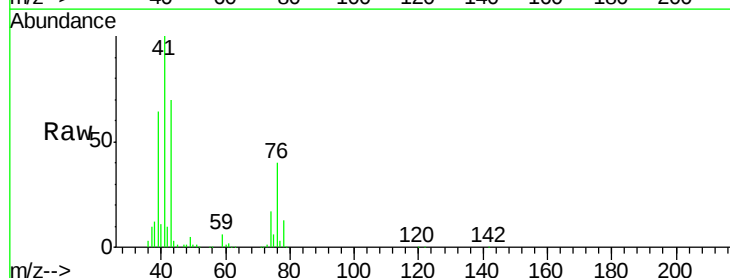
Acq: 3 Jan 2019 9:07

Tgt Ion: 43 Resp: 425390

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.32

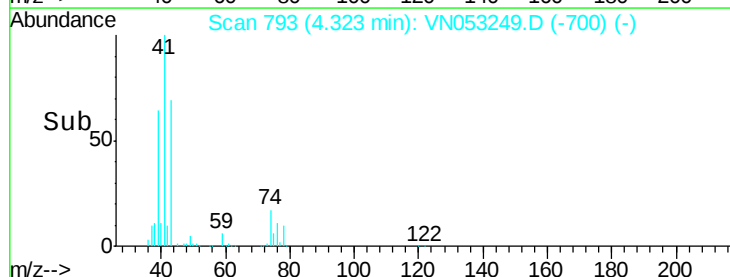
150000

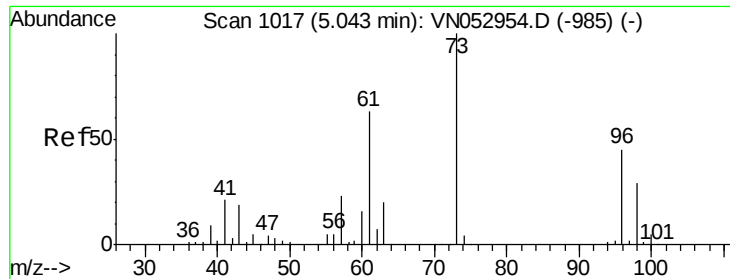
100000

50000

0

Time-->





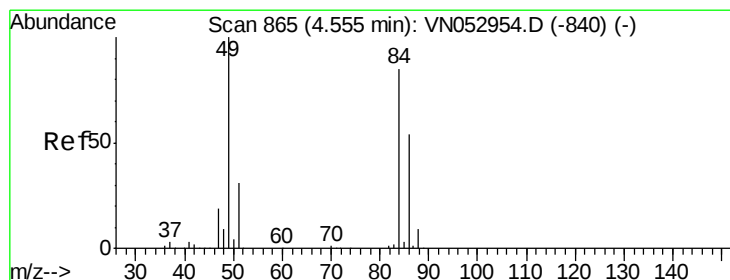
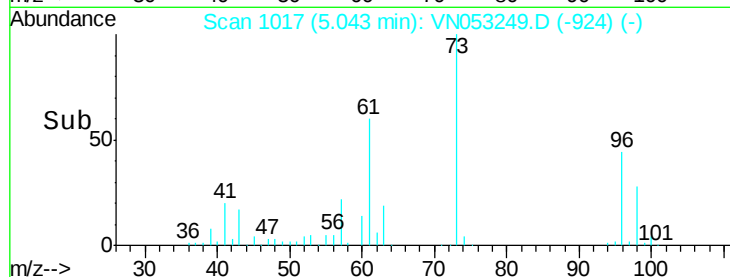
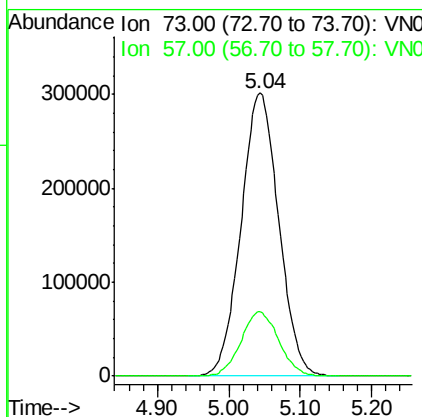
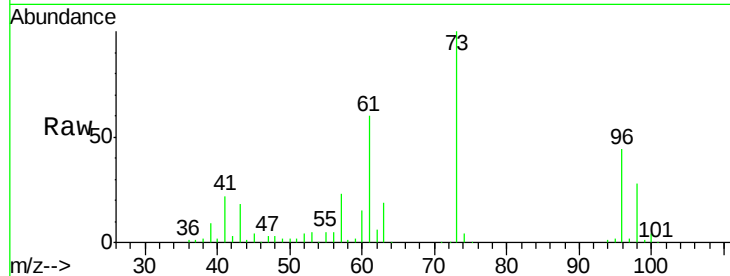
#19  
Methvl tert-butvl Ether  
Concen: 52.414 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 1106468  
Ion Ratio Lower Upper  
73 100  
57 22.9 18.4 27.6

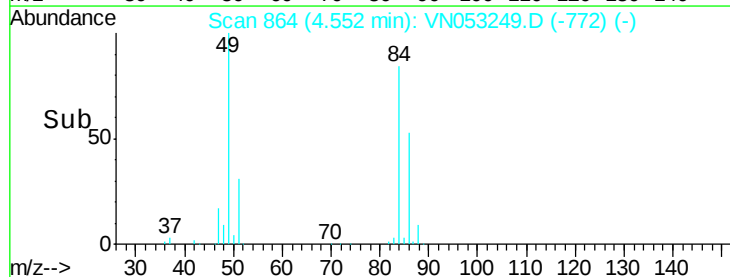
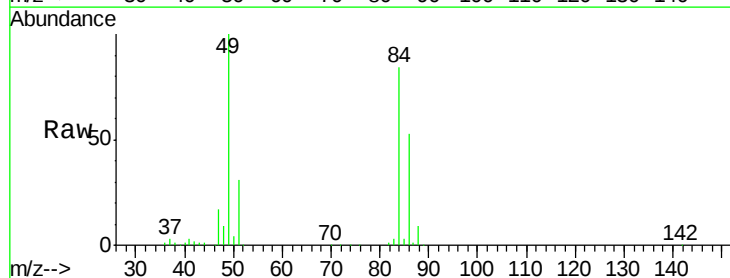
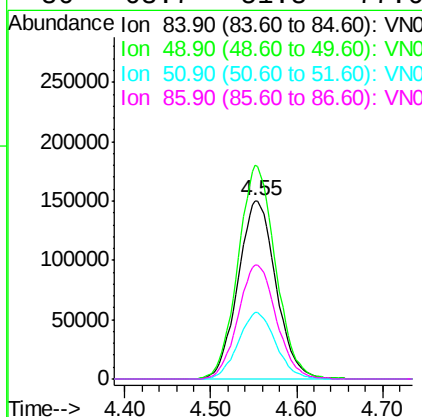
Manual Integrations  
APPROVED

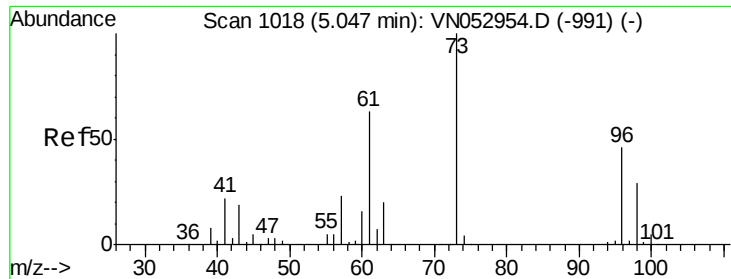
MMDadoda  
1/4/2019 12:38:54 PM



#20  
Methylene Chloride  
Concen: 51.350 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Tgt Ion: 84 Resp: 461274  
Ion Ratio Lower Upper  
84 100  
49 119.8 96.8 145.2  
51 37.1 29.9 44.9  
86 63.7 51.8 77.6





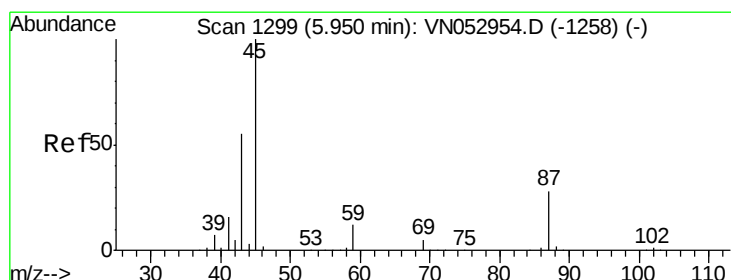
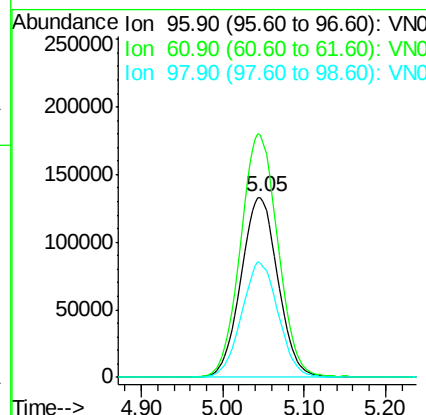
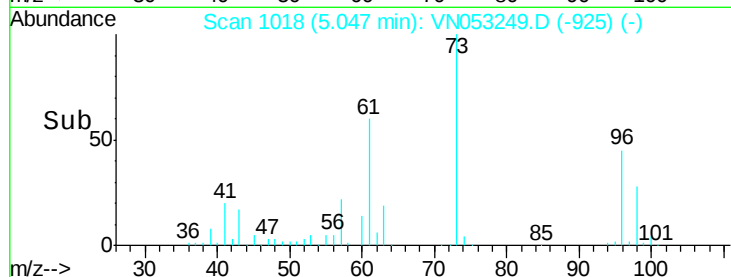
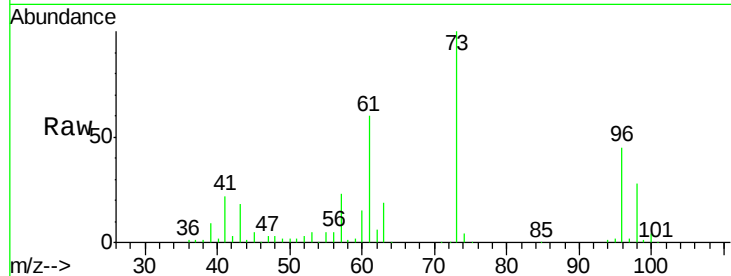
#21  
trans-1,2-Dichloroethene  
Concen: 49.260 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   |       |       |       |
| 61      | 134.7 | 110.8 | 166.2 |       |
| 98      | 63.6  | 51.4  | 77.2  |       |

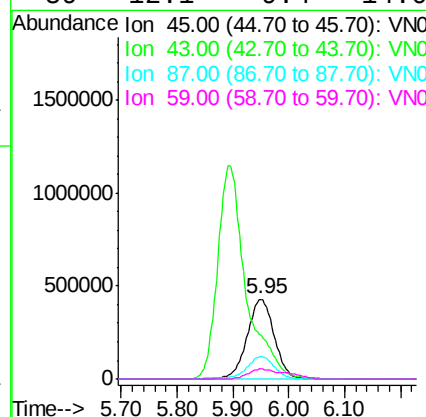
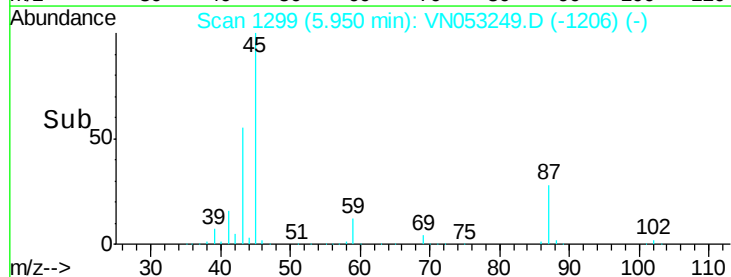
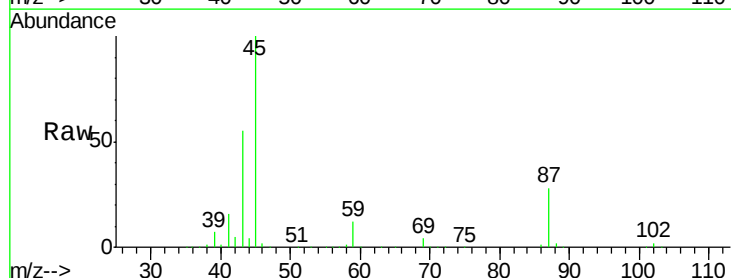
Manual Integrations  
APPROVED

MMDadoda  
1/4/2019 12:38:54 PM



#22  
Diisopropyl ether  
Concen: 55.395 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 45      | 100  |       |       |       |
| 43      | 54.1 | 45.5  | 68.3  |       |
| 87      | 28.0 | 22.0  | 33.0  |       |
| 59      | 12.1 | 9.4   | 14.0  |       |





#23

Vinyl Acetate

Concen: 270.860 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 4062247

Ion Ratio Lower Upper

43 100

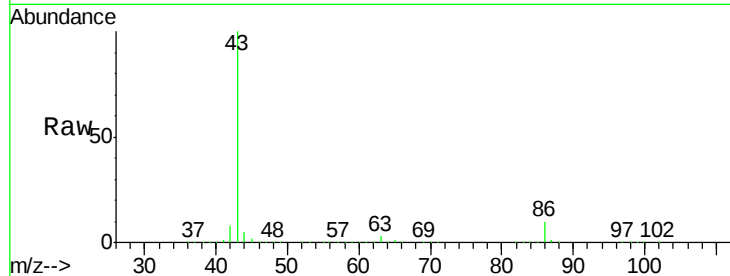
86 10.4 8.1 12.1

Manual Integrations

APPROVED

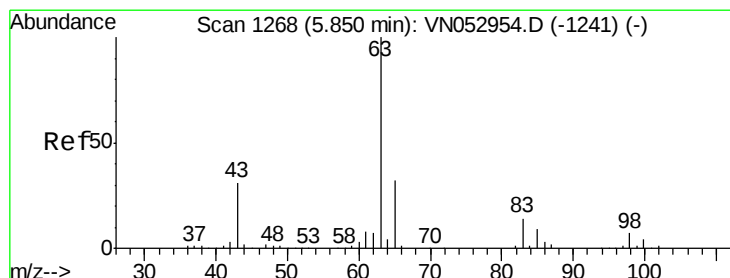
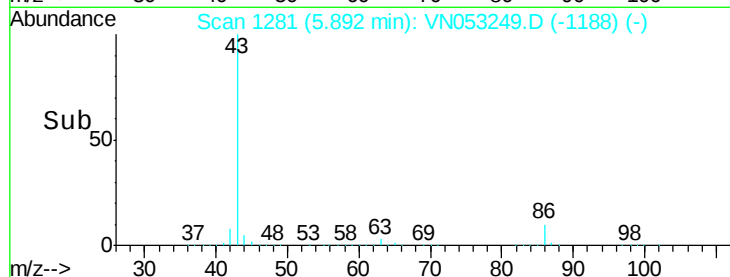
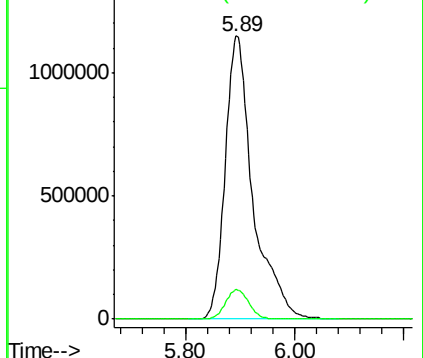
MMDadoda

1/4/2019 12:38:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.644 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

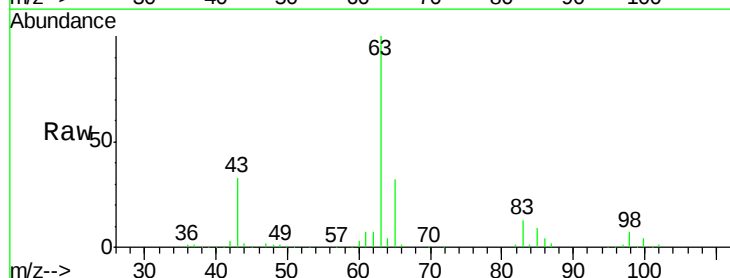
Tgt Ion: 63 Resp: 815888

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

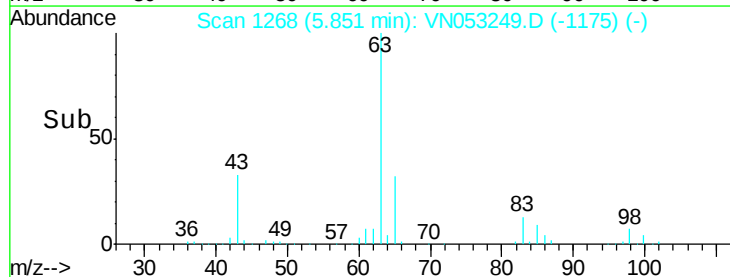
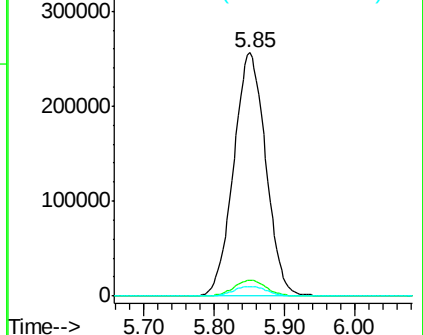
100 4.1 2.0 5.8

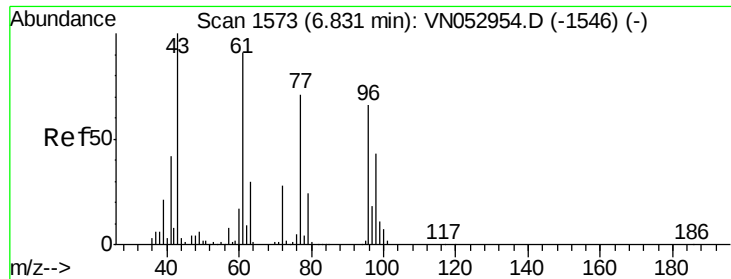


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





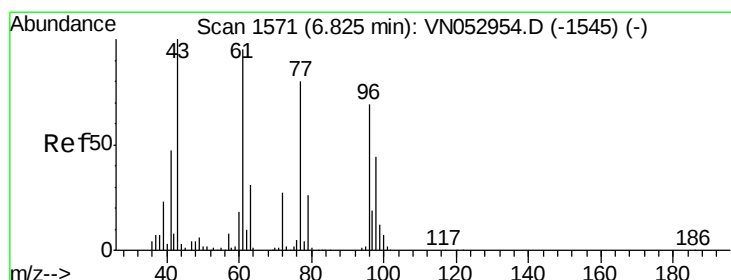
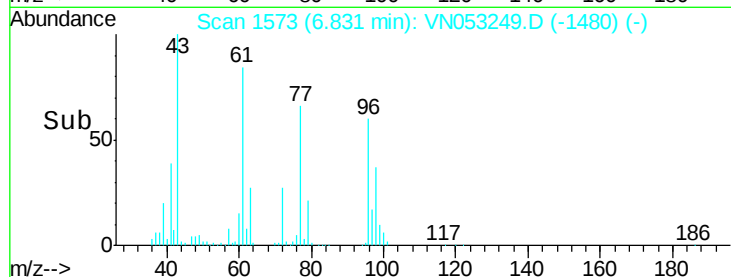
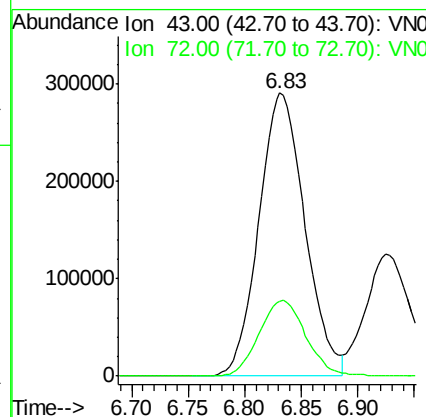
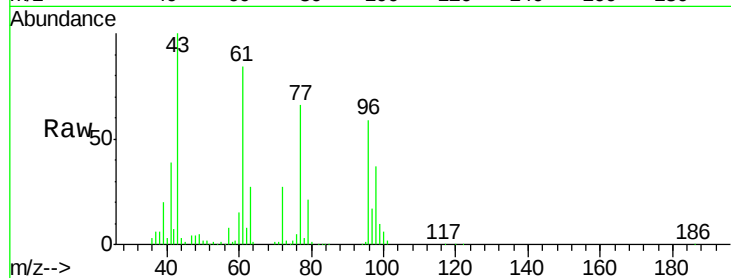
#25  
2-Butanone  
Concen: 296.096 ug/l  
RT: 6.83 min Scan# 1573  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 43 Resp: 818312  
Ion Ratio Lower Upper  
43 100  
72 26.5 21.0 31.6

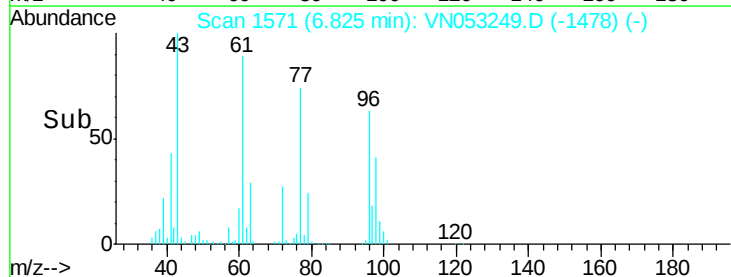
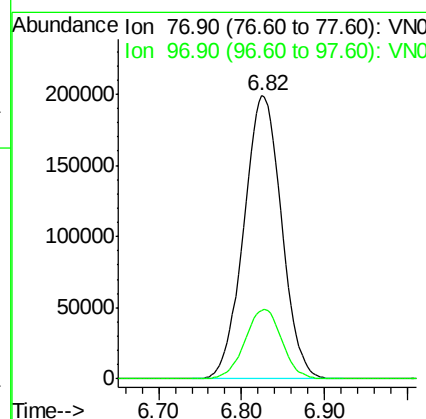
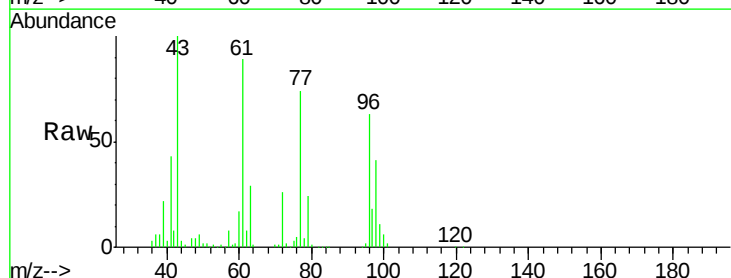
Manual Integrations  
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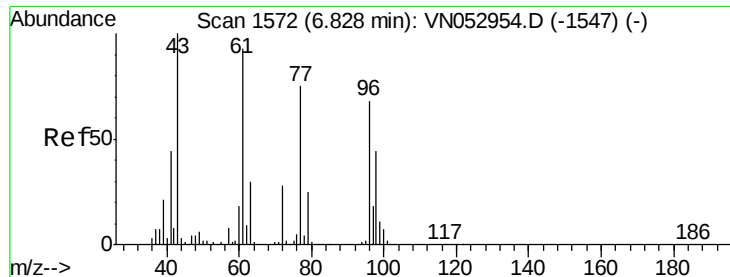
MMDadoda  
1/4/2019 12:38:54 PM



#26  
2,2-Dichloropropane  
Concen: 53.248 ug/l  
RT: 6.82 min Scan# 1571  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Tgt Ion: 77 Resp: 629970  
Ion Ratio Lower Upper  
77 100  
97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.420 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

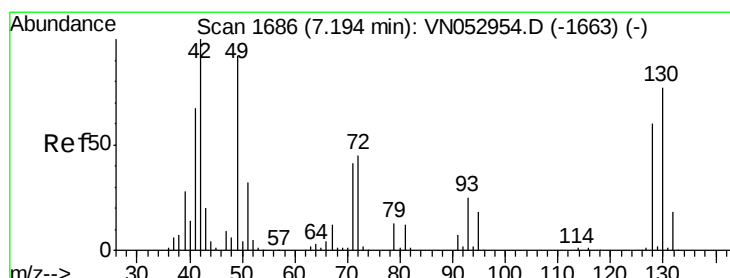
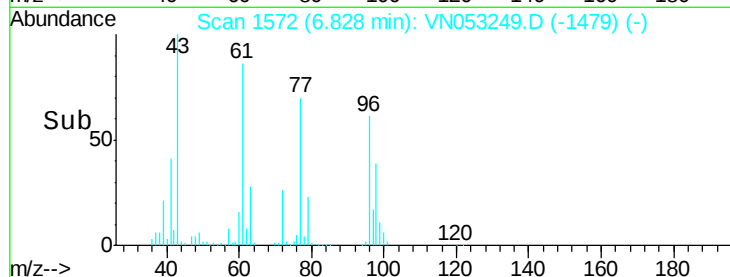
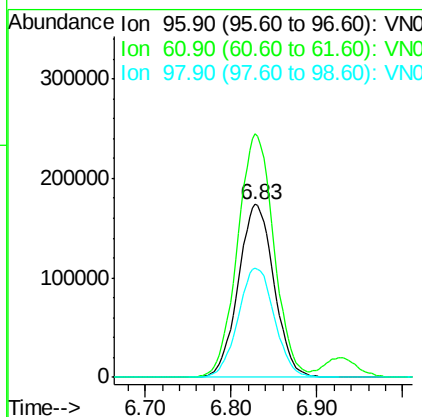
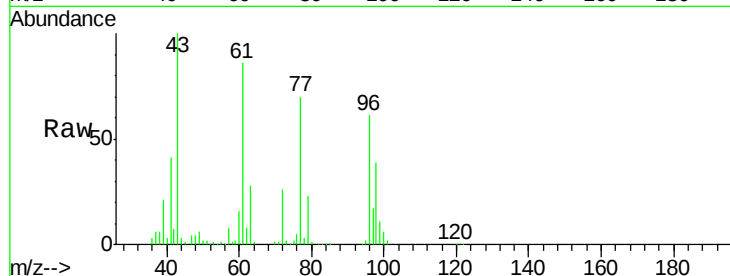
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 502980 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 142.6 | 0.0   | 284.2  |
| 98       | 64.2  | 0.0   | 129.2  |

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#28

Bromochloromethane

Concen: 53.324 ug/l

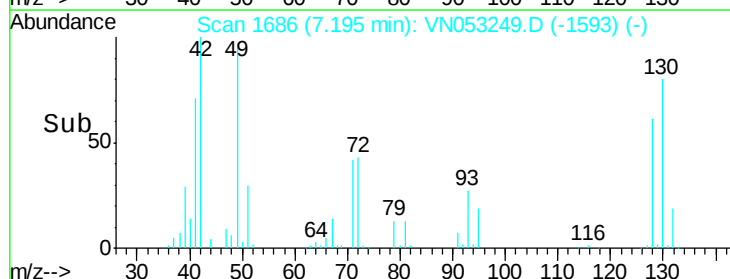
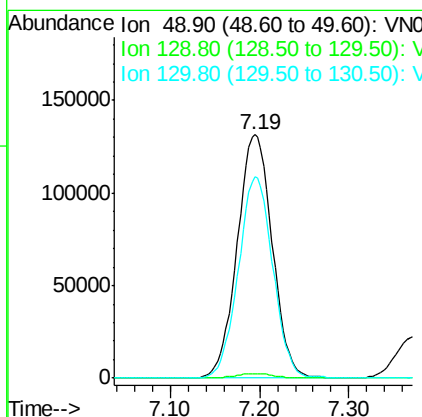
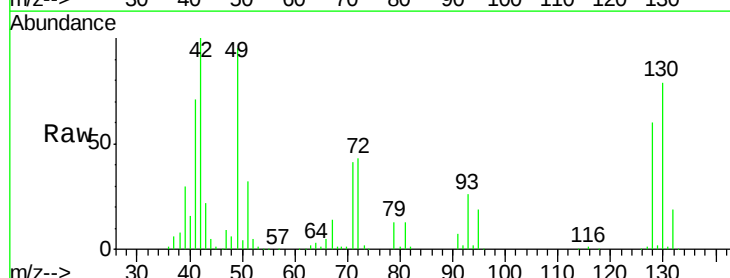
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 358107 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.0   | 0.0   | 4.0    |
| 130      | 81.5  | 63.3  | 94.9   |





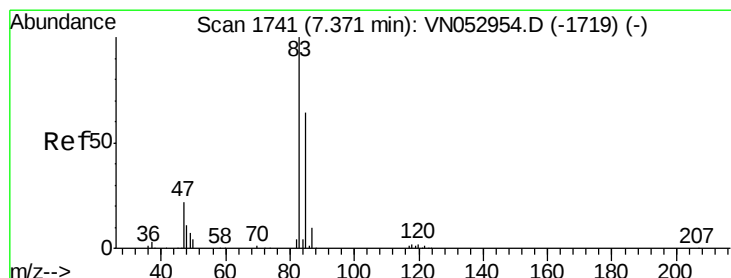
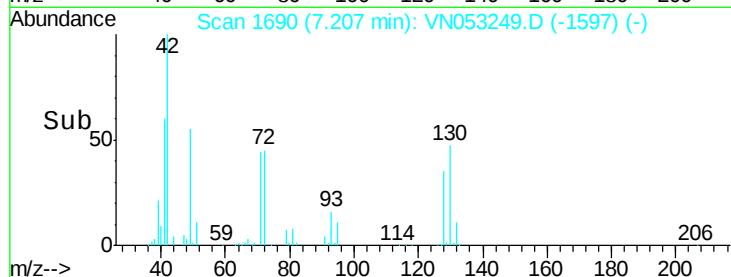
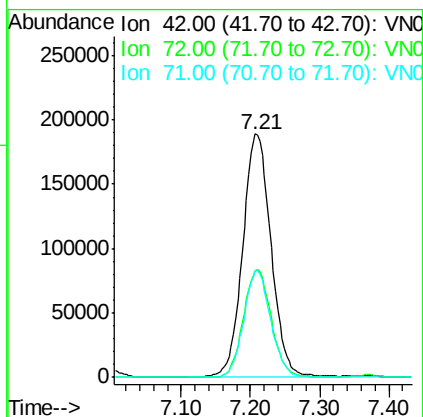
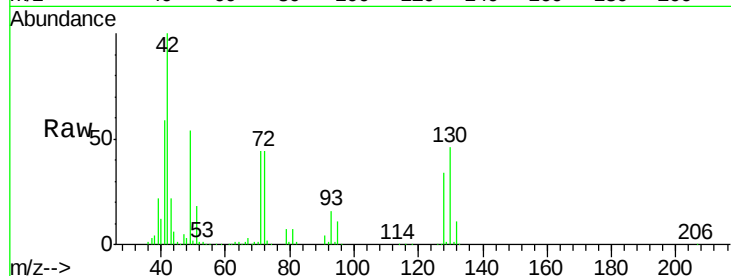
#29  
Tetrahydrofuran  
Concen: 260.247 ug/l  
RT: 7.21 min Scan# 1690  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.6  | 34.7  | 52.1  |
| 71      | 41.6  | 32.3  | 48.5  |

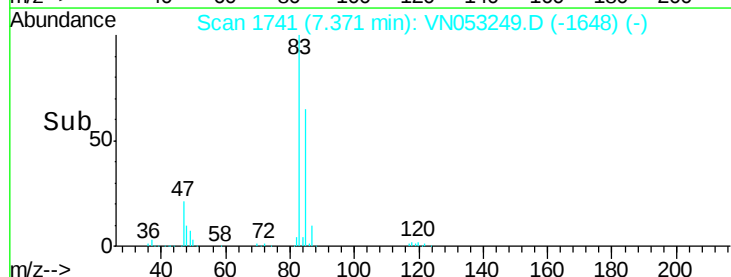
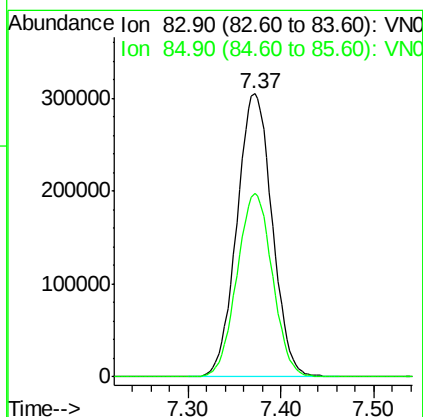
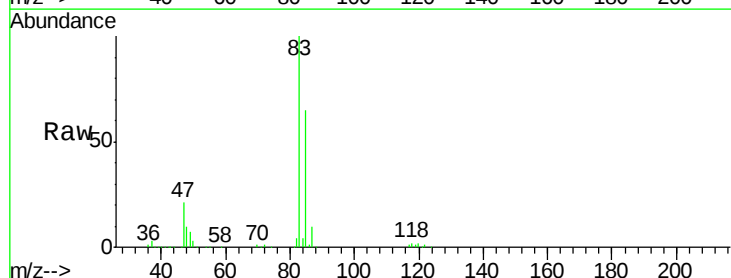
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#30  
Chloroform  
Concen: 52.963 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.8  | 52.1  | 78.1  |





#31

Cyclohexane

Concen: 50.059 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampled :

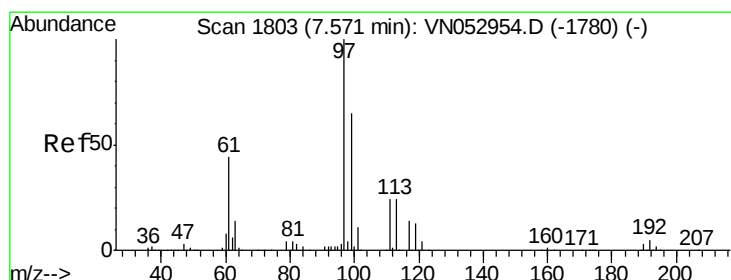
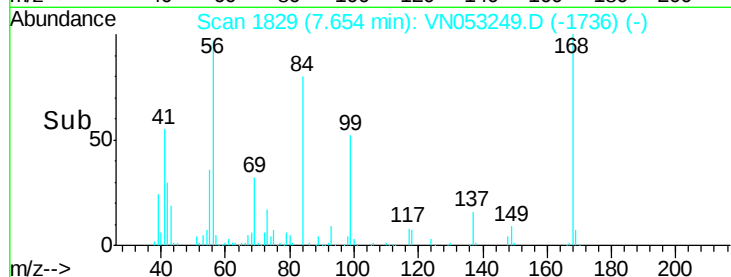
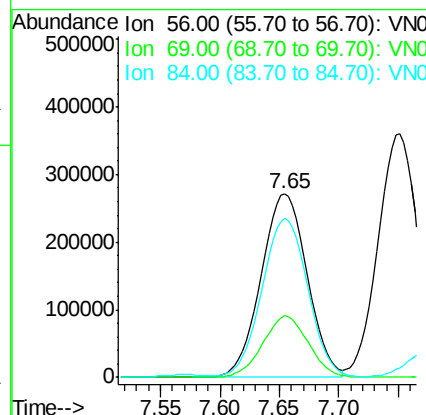
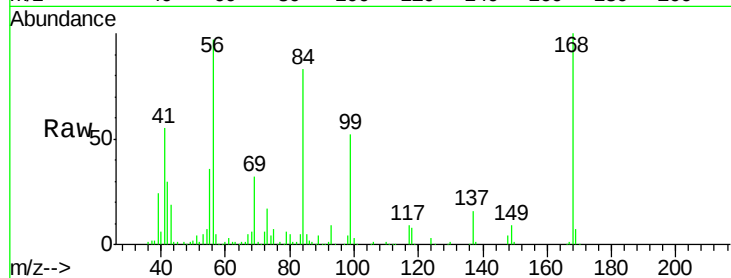
VSTDCCC050

Tot Ion: 56 Resp: 727617

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 33.4  | 26.6  | 39.8  |
| 84  | 85.0  | 68.4  | 102.6 |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 51.773 ug/l

RT: 7.57 min Scan# 1803

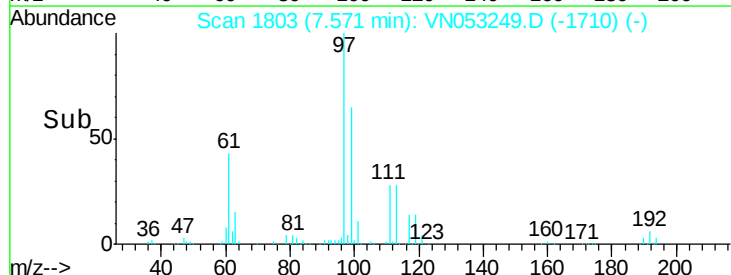
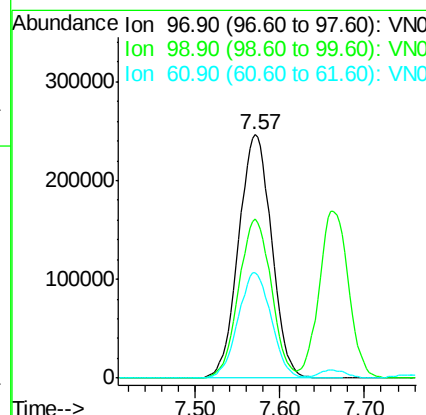
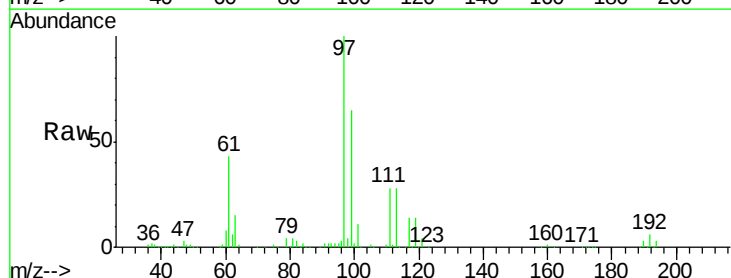
Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Tgt Ion: 97 Resp: 671477

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.7  | 51.1  | 76.7  |
| 61  | 43.5  | 35.0  | 52.6  |





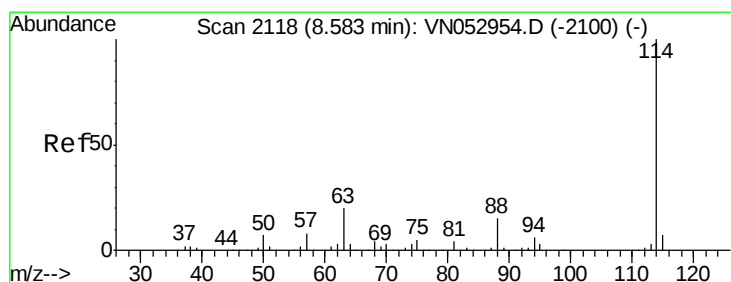
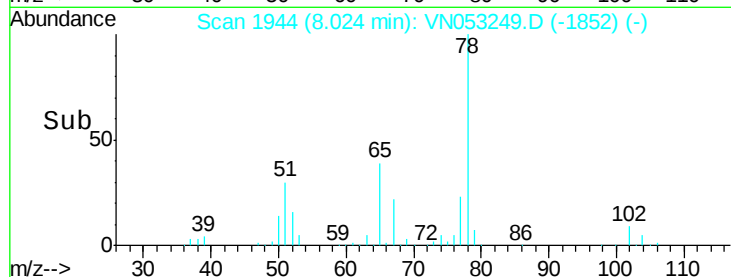
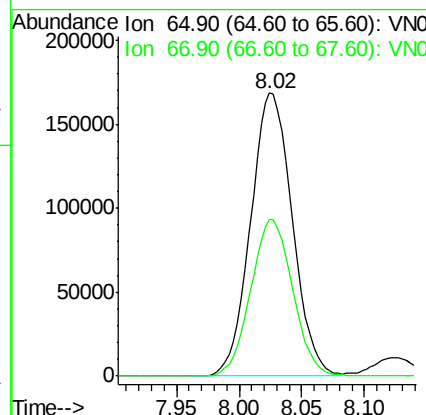
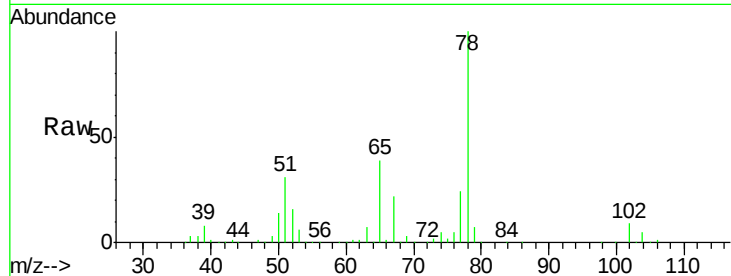
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.773 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 390312 |       |       |
| 67      | 55.7  | 0.0    | 110.4 |       |

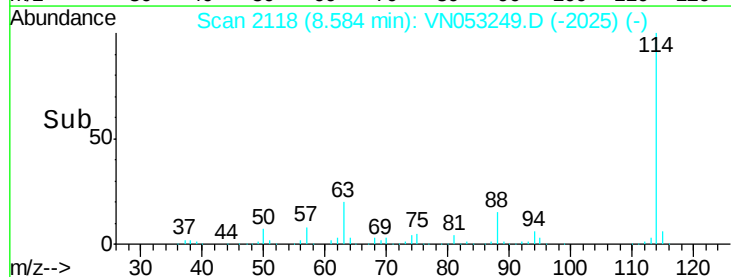
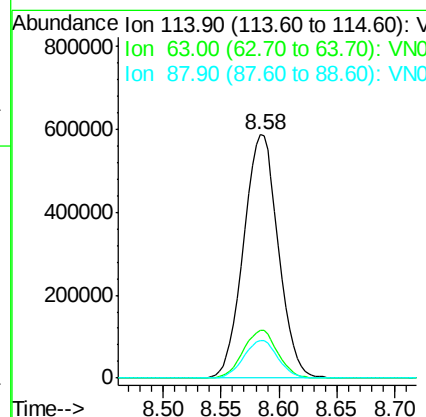
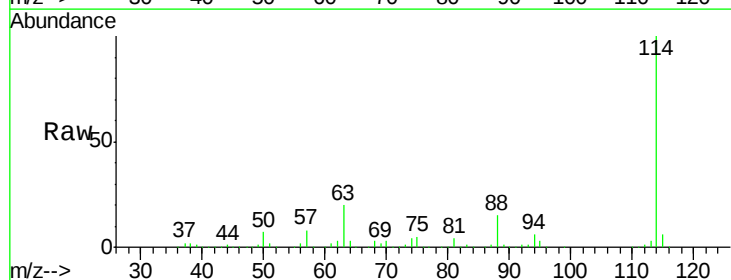
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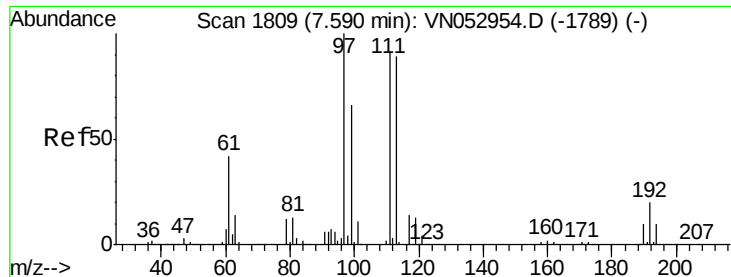
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1221689 |       |       |
| 63      | 19.5  | 0.0     | 39.8  |       |
| 88      | 15.5  | 0.0     | 31.0  |       |





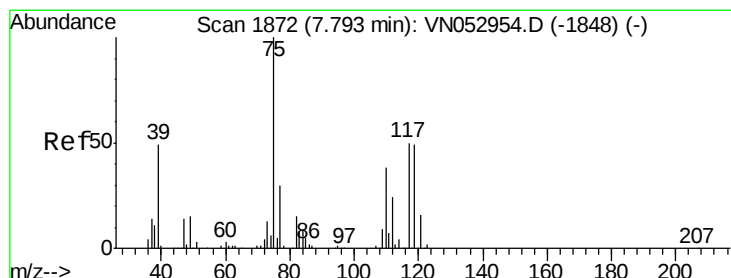
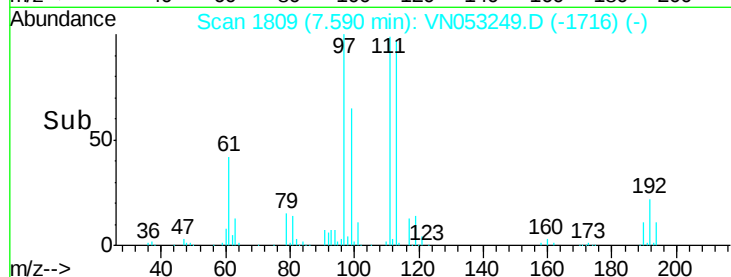
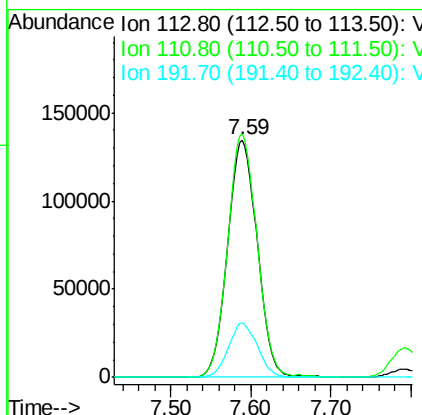
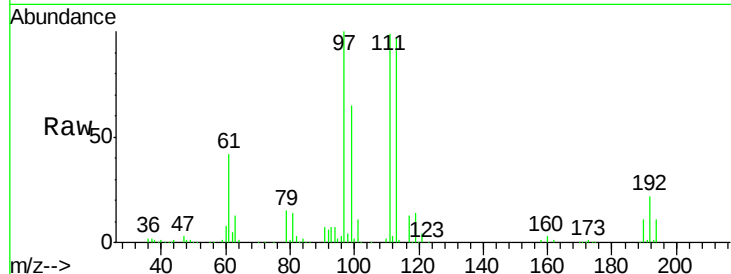
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 340097 |       |       |
| 111     | 101.6 | 83.0   | 124.4 |       |
| 192     | 22.3  | 17.5   | 26.3  |       |

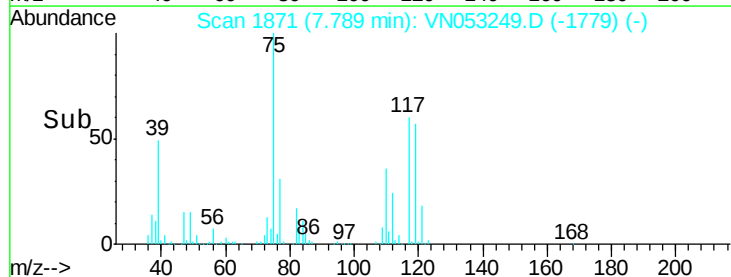
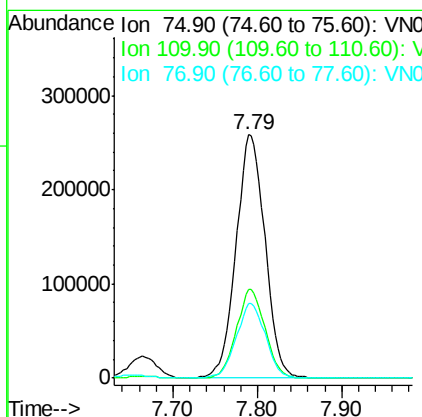
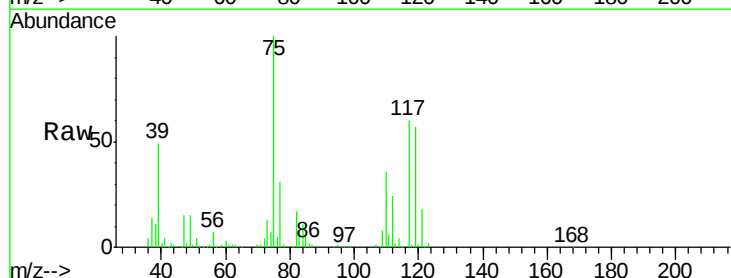
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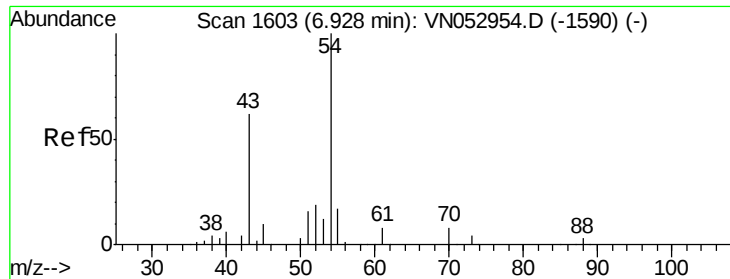
MMDadoda  
1/4/2019 12:38:54 PM



#36  
1,1-Dichloropropene  
Concen: 52.534 ug/l  
RT: 7.79 min Scan# 1871  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 616016 |       |       |
| 110     | 36.1  | 18.2   | 54.6  |       |
| 77      | 31.2  | 24.9   | 37.3  |       |





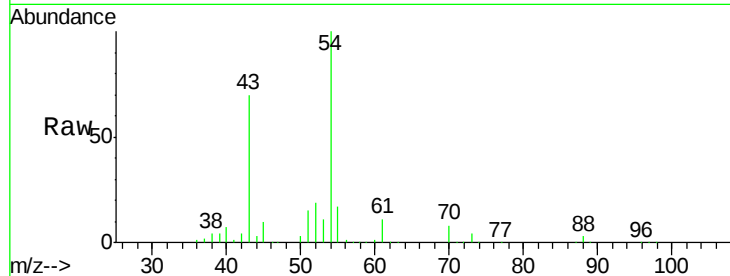
#37  
Ethyl Acetate  
Concen: 54.178 ug/l  
RT: 6.92 min Scan# 1602  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.8  | 11.8  | 17.6  |
| 70      | 11.0  | 8.4   | 12.6  |

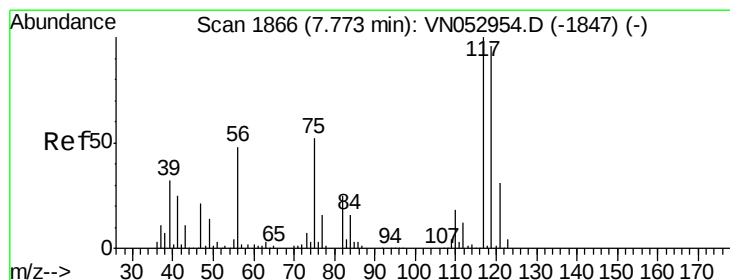
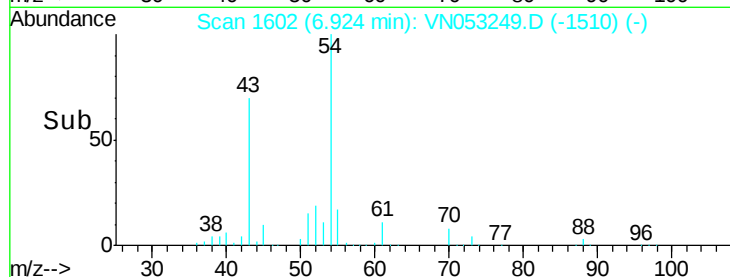
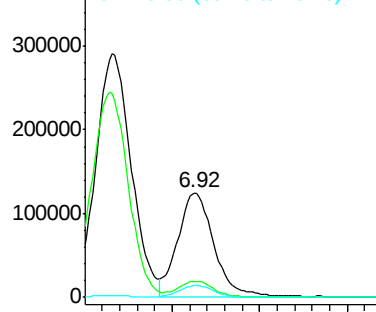
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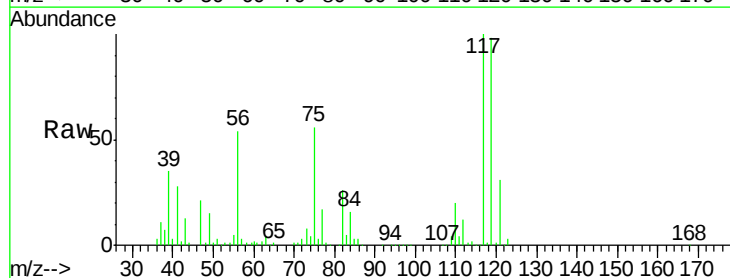
Abundance

Ion 43.00 (42.70 to 43.70): VN053249.D (-1510) (-)



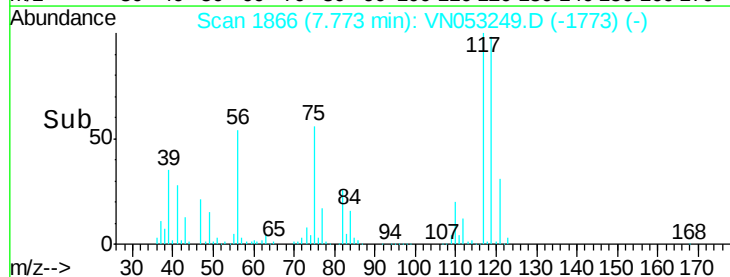
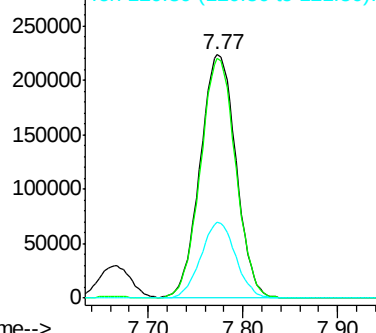
#38  
Carbon Tetrachloride  
Concen: 54.521 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.3  | 77.1  | 115.7 |
| 121     | 31.0  | 24.9  | 37.3  |



Abundance

Ion 116.80 (116.50 to 117.50): VN053249.D (-1773) (-)





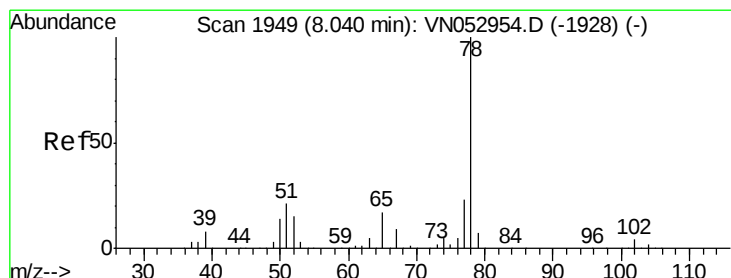
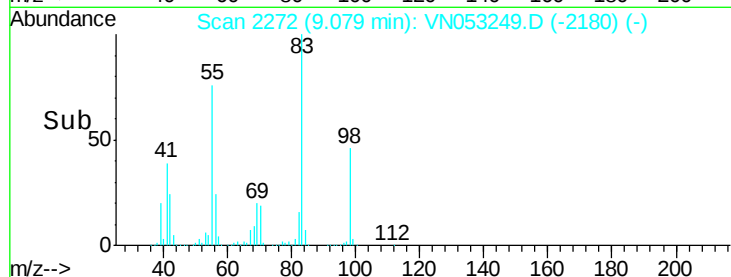
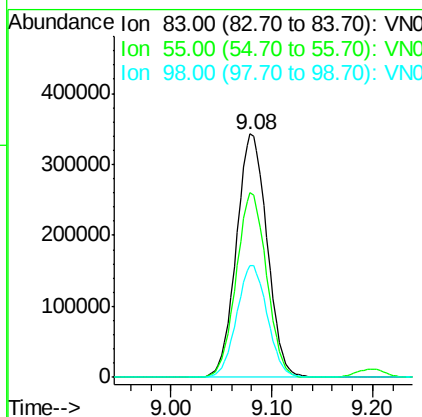
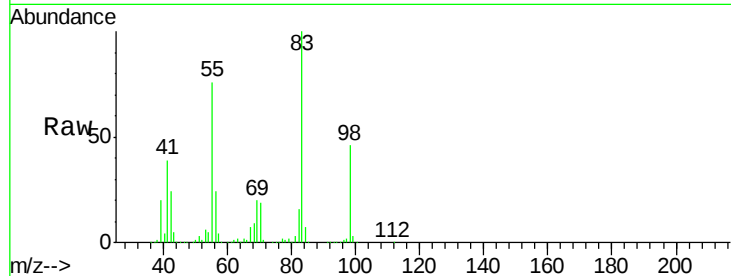
#39  
Methvlcvclohexane  
Concen: 50.690 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.7  | 61.3  | 91.9  |
| 98      | 46.0  | 37.0  | 55.4  |

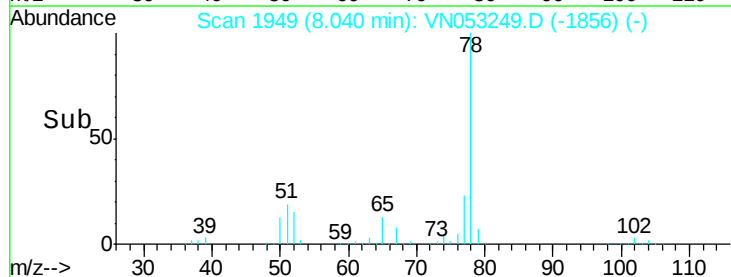
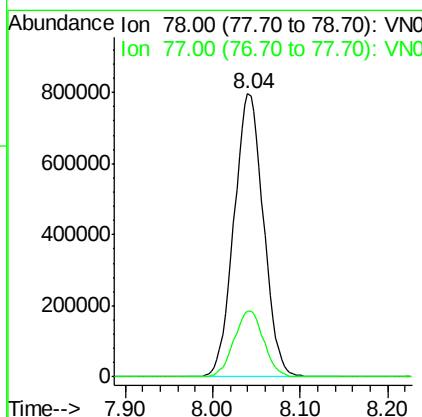
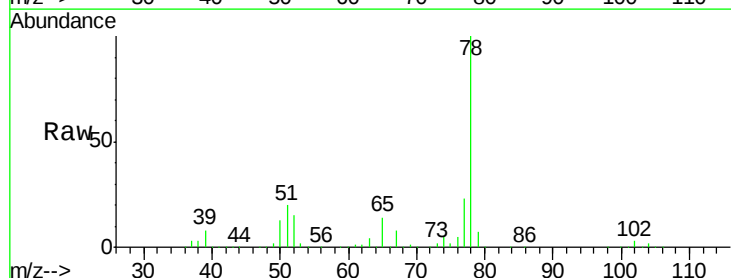
Manual Integrations  
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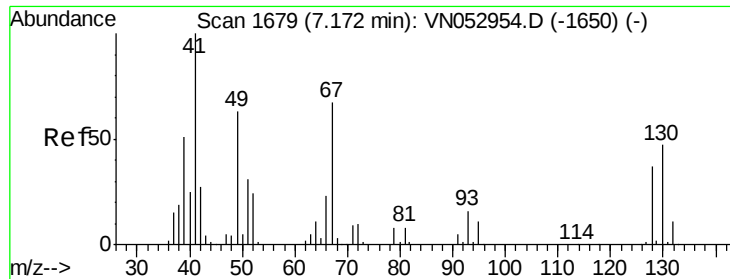
MMDadoda  
1/4/2019 12:38:54 PM



#40  
Benzene  
Concen: 53.378 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 18.5  | 27.7  |





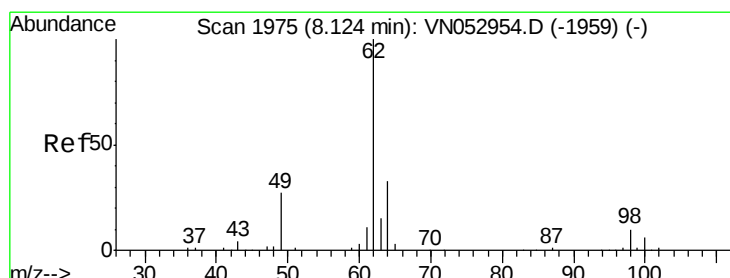
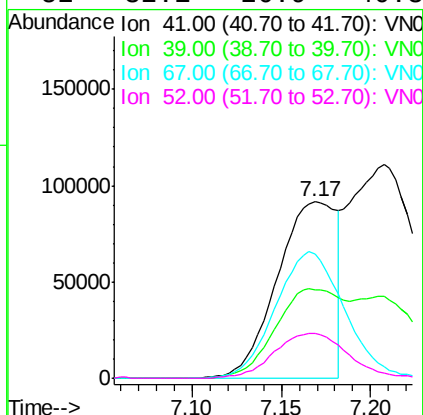
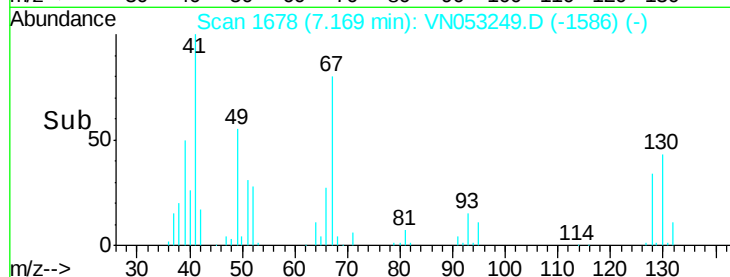
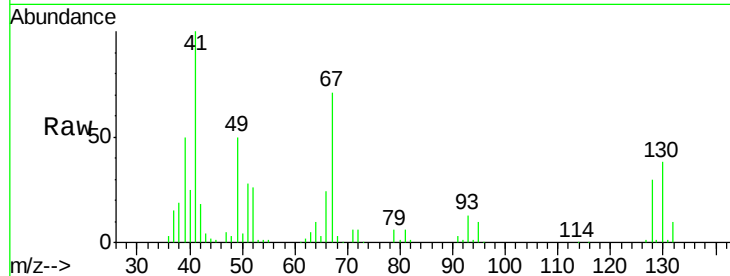
#41  
Methacrylonitrile  
Concen: 55.551 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 210110 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 59.2  | 48.0  | 72.0   |
| 67       | 84.6  | 70.3  | 105.5  |
| 52       | 32.1  | 26.9  | 40.3   |

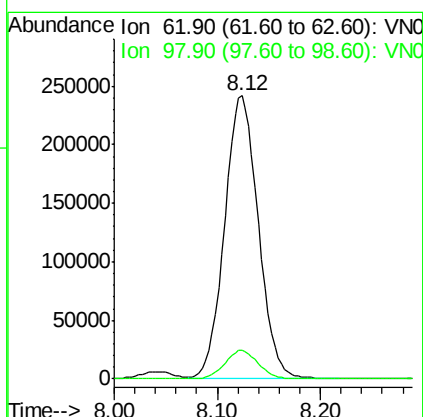
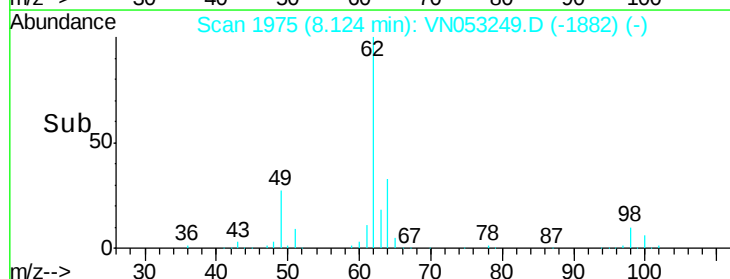
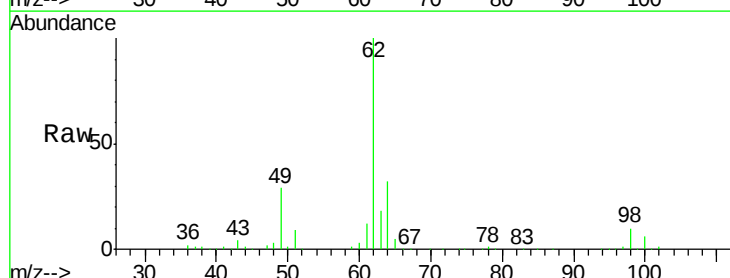
Manual Integrations  
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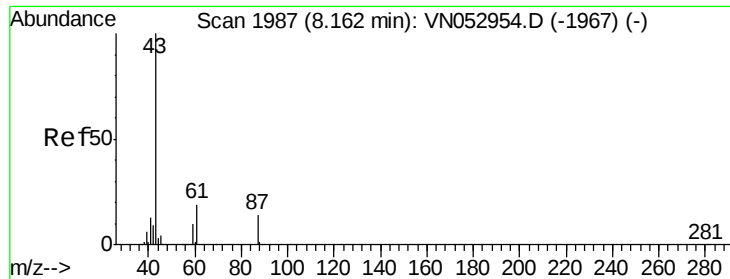
MMDadoda  
1/4/2019 12:38:54 PM



#42  
1,2-Dichloroethane  
Concen: 53.225 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 548427 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.9   | 0.0   | 19.0   |





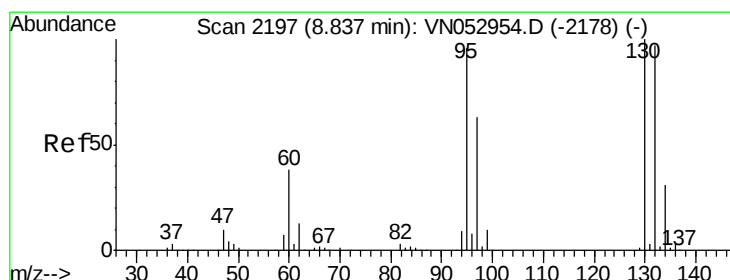
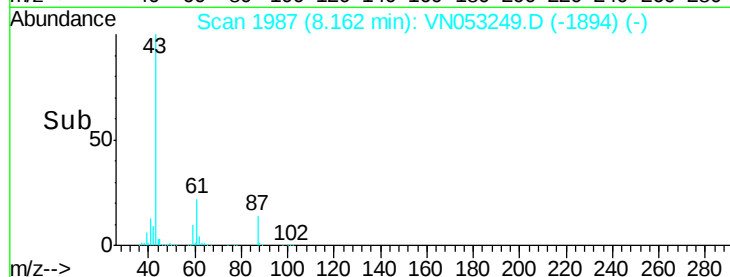
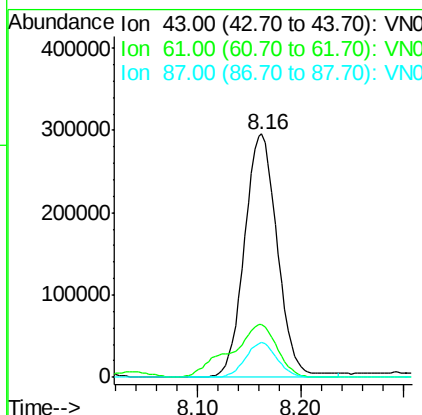
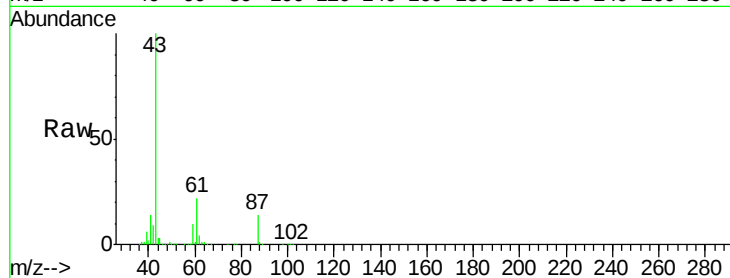
#43  
Isopropyl Acetate  
Concen: 51.577 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.6  | 22.9  | 34.3  |
| 87      | 13.8  | 10.6  | 15.8  |

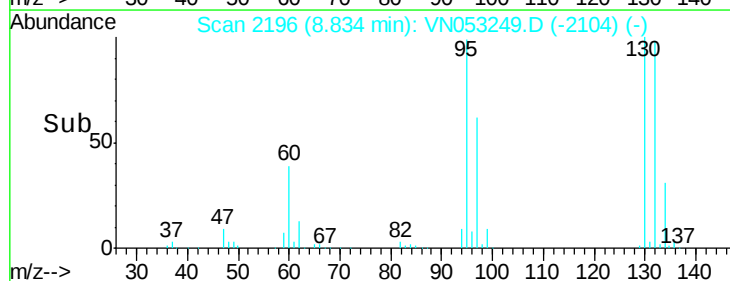
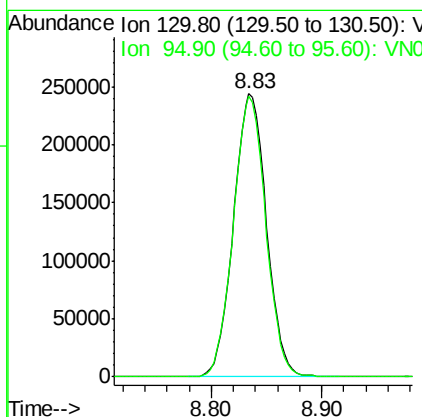
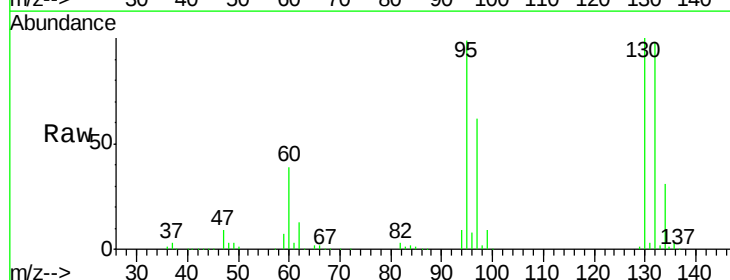
Manual Integrations  
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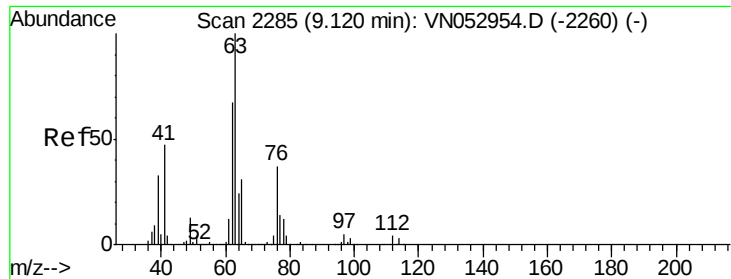
MMDadoda  
1/4/2019 12:38:54 PM



#44  
Trichloroethene  
Concen: 49.920 ug/l  
RT: 8.83 min Scan# 2196  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 99.3  | 0.0   | 197.8 |





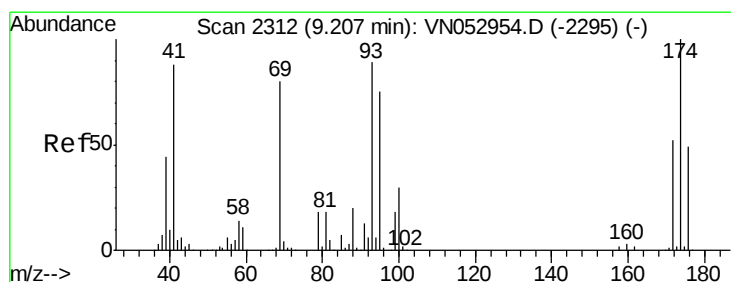
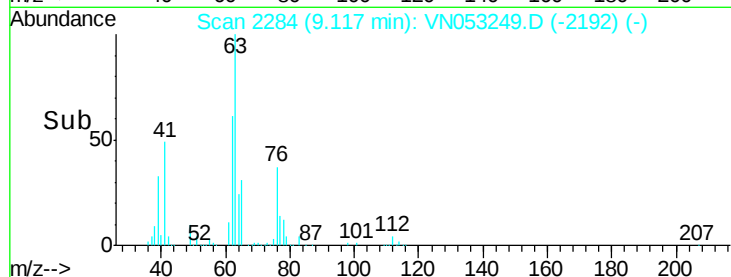
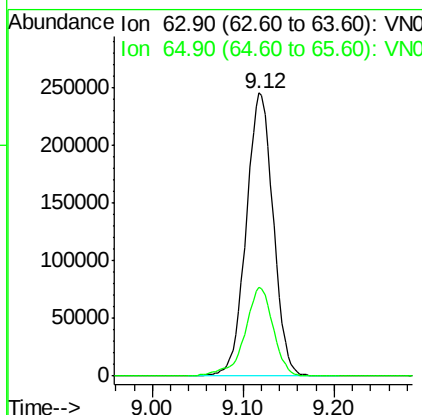
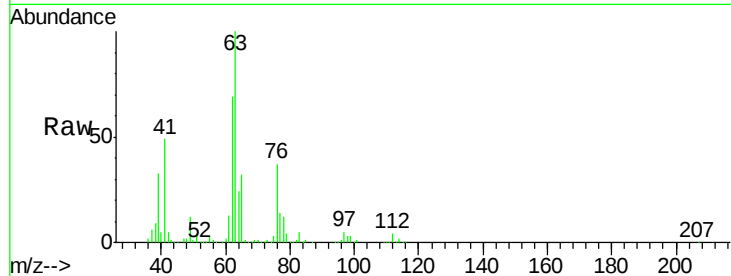
#45  
 1,2-Dichloropropane  
 Concen: 55.672 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

Tot Ion: 63 Resp: 505782  
 Ion Ratio Lower Upper  
 63 100  
 65 31.5 24.6 37.0

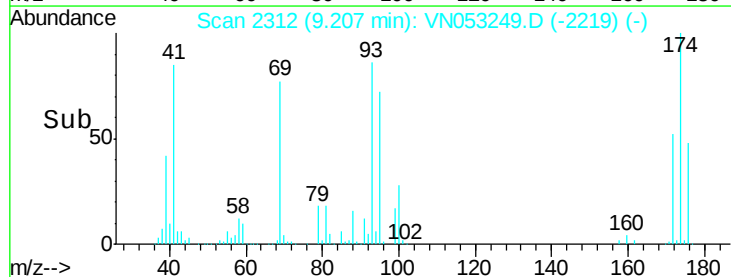
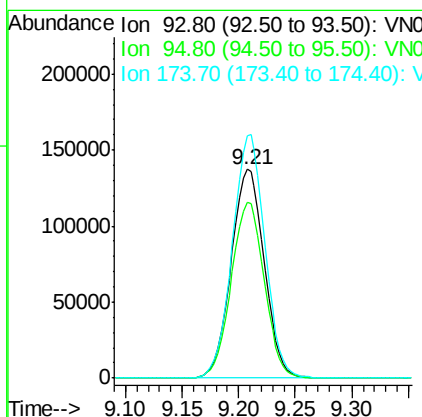
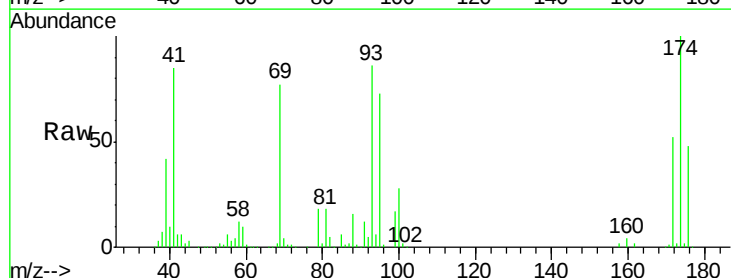
Manual Integrations  
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 1/4/2019 12:38:54 PM



#46  
 Dibromomethane  
 Concen: 52.953 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Tgt Ion: 93 Resp: 280248  
 Ion Ratio Lower Upper  
 93 100  
 95 84.4 67.8 101.6  
 174 114.4 89.0 133.4





#47

Bromodichloromethane

Concen: 55.615 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

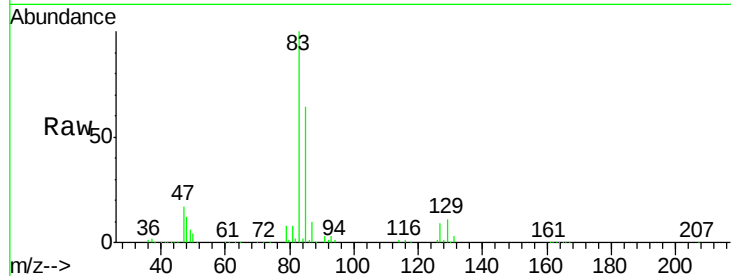
ClientSampleId :

VSTDCCC050

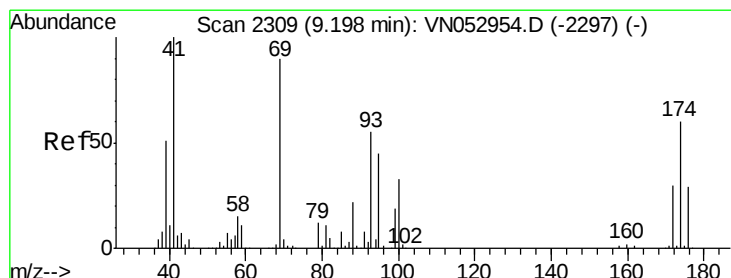
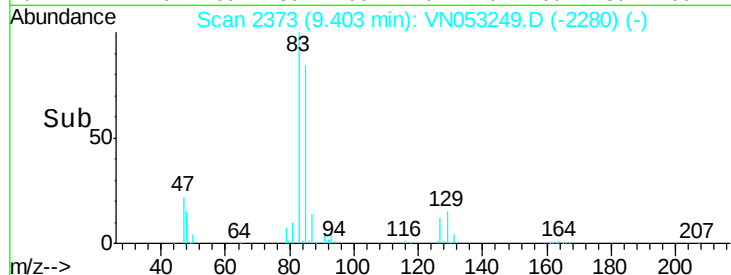
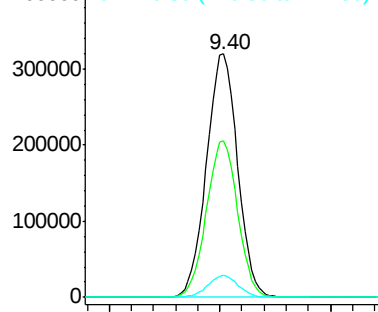
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 625663 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.1  | 51.6  | 77.4   |
| 127       | 9.0   | 7.1   | 10.7   |

Manual Integrations  
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1/4/2019 12:38:54 PM



Abundance Ion 82.90 (82.60 to 83.60): VN053249.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.734 ug/l

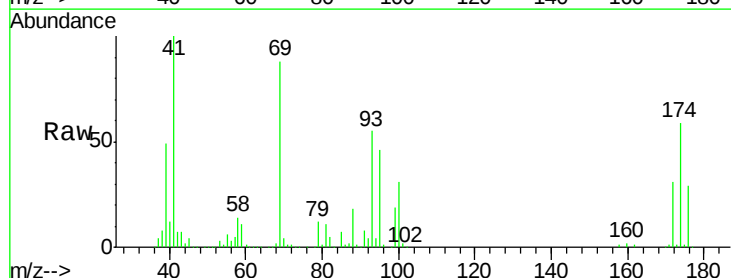
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

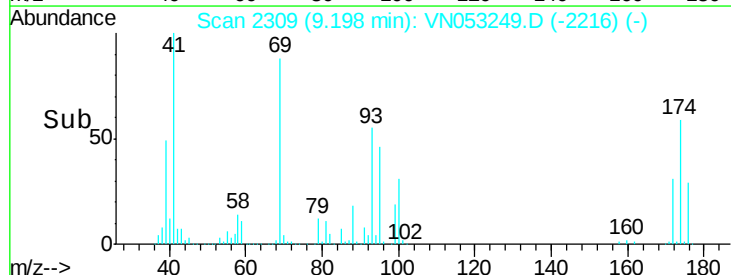
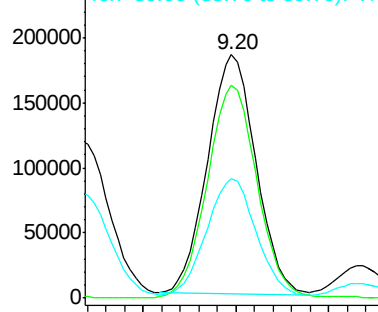
Lab File: VN053249.D

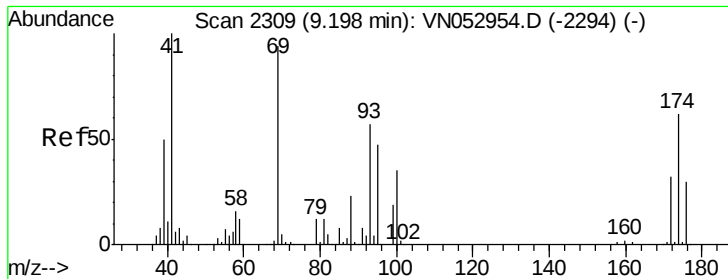
Acq: 3 Jan 2019 9:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 334970 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 91.2  | 72.2  | 108.2  |
| 39        | 52.0  | 41.9  | 62.9   |



Abundance Ion 41.00 (40.70 to 41.70): VN053249.D (-2216) (-)





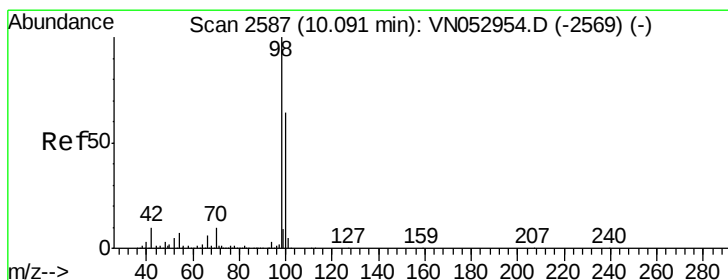
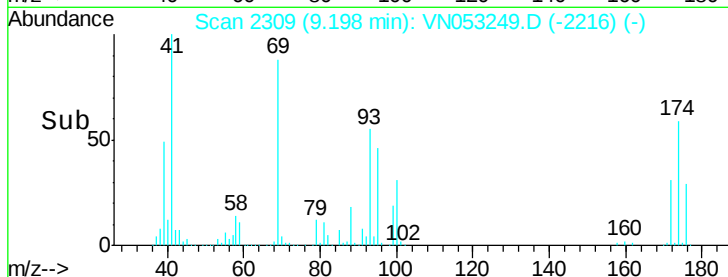
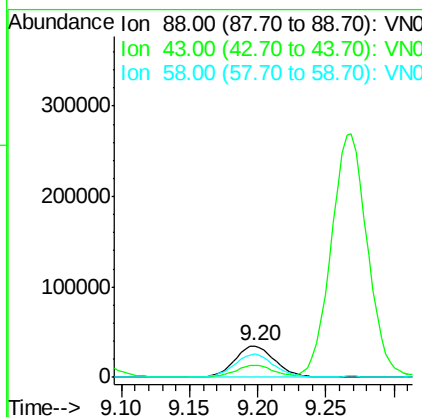
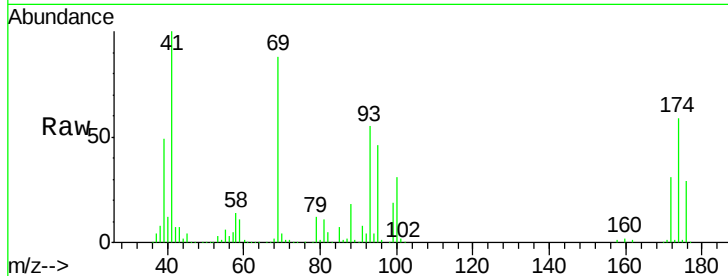
#49  
1,4-Dioxane  
Concen: 886.516 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 71233 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 34.7  | 26.6  | 40.0  |
| 58      | 72.2  | 58.4  | 87.6  |

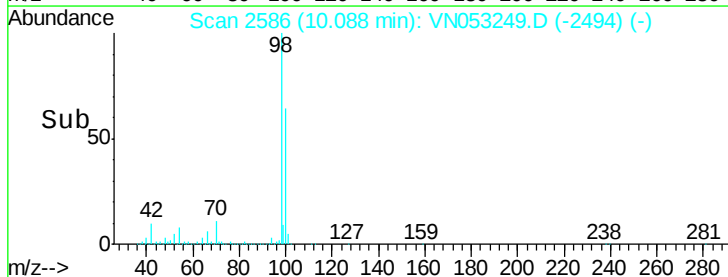
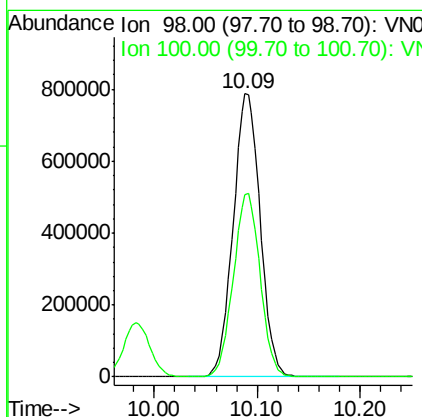
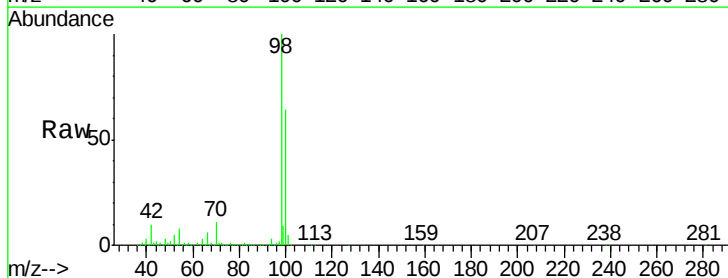
Manual Integrations  
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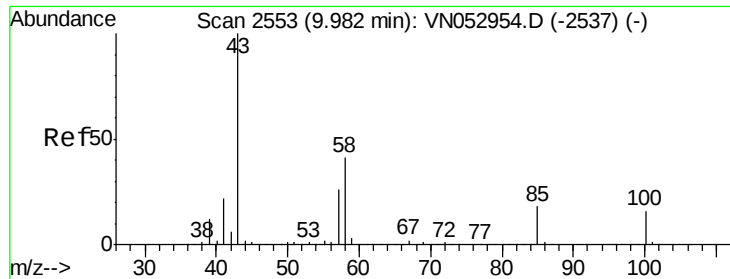
MMDadoda  
1/4/2019 12:38:54 PM



#50  
Toluene-d8  
Concen: 886.516 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | 98    | Resp  | 1438971 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 64.2  | 51.6  | 77.4    |





#51

4-Methyl-2-Pentanone

Concen: 277.445 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1758824

Ion Ratio Lower Upper

43 100

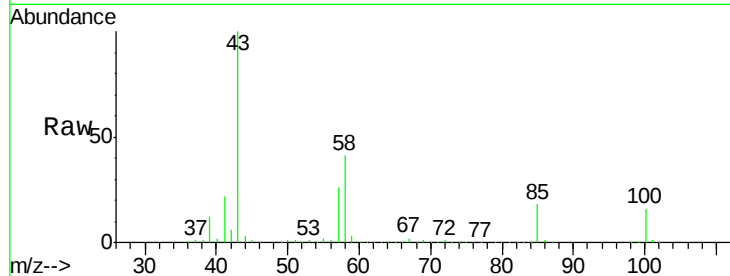
58 40.9 32.2 48.4

Manual Integrations

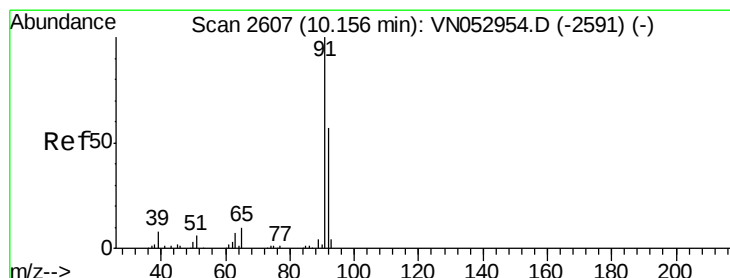
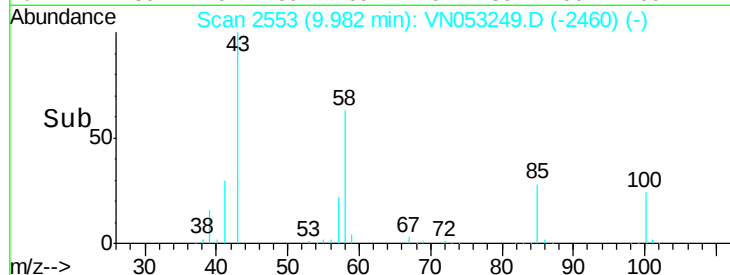
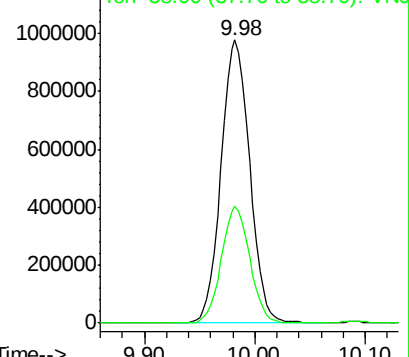
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Abundance Ion 43.00 (42.70 to 43.70): VN053249.D (-2460) (-)



#52

Toluene

Concen: 53.897 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053249.D

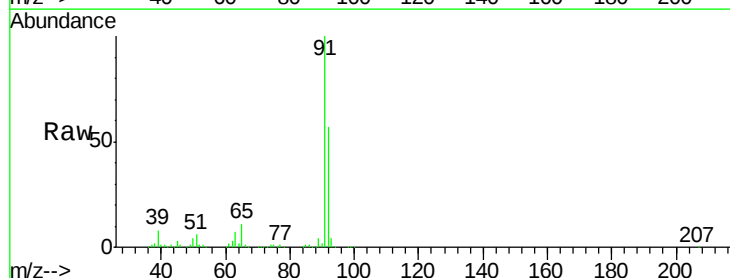
Acq: 3 Jan 2019 9:07

Tgt Ion: 92 Resp: 1165200

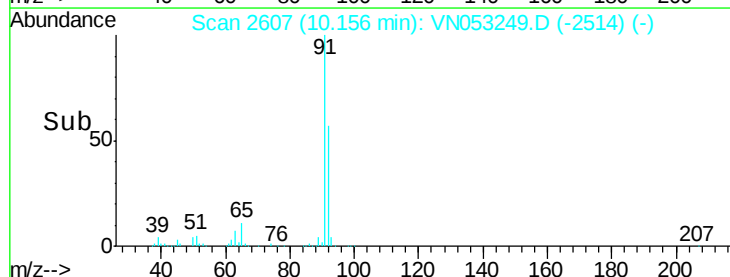
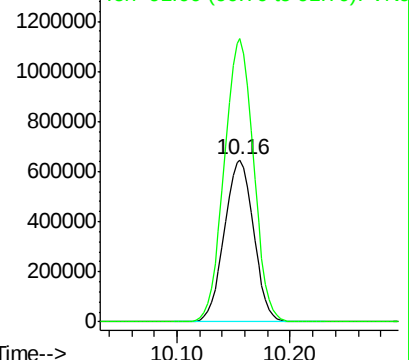
Ion Ratio Lower Upper

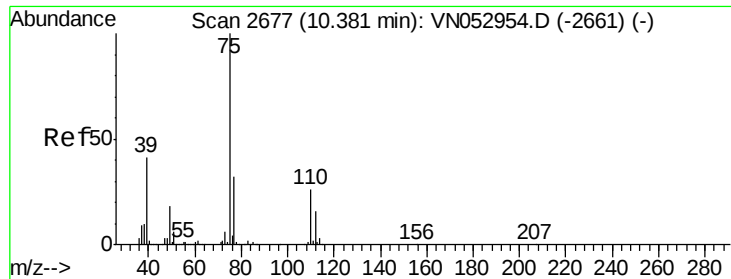
92 100

91 175.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN053249.D (-2514) (-)





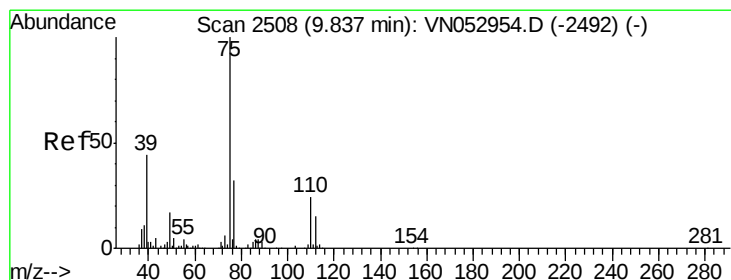
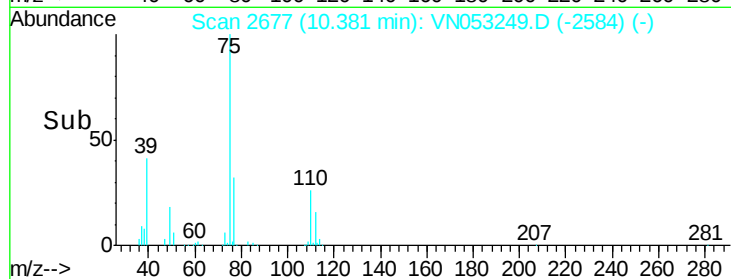
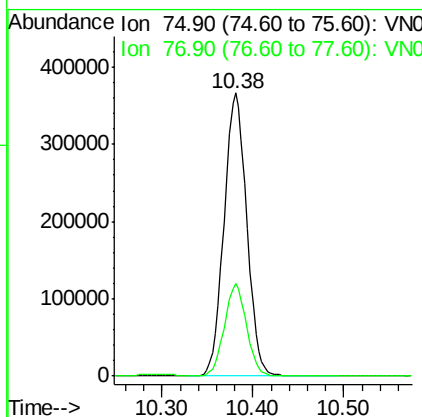
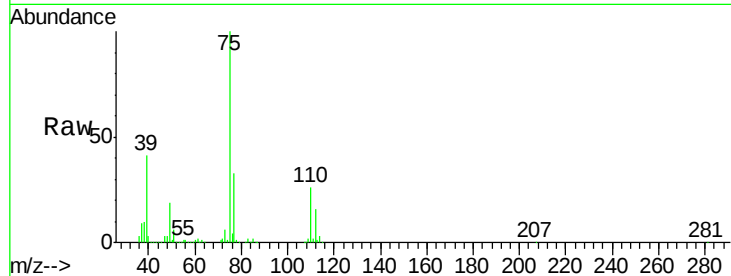
#53  
t-1,3-Dichloropropene  
Concen: 53.756 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.5  | 25.6  | 38.4  |

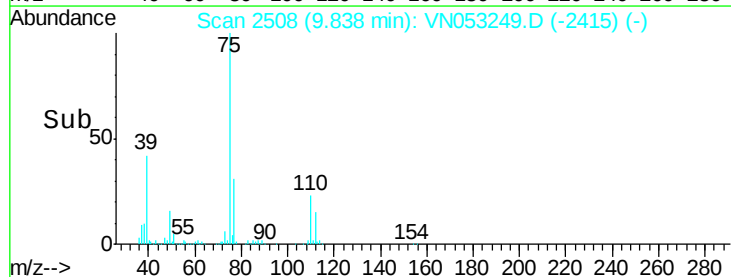
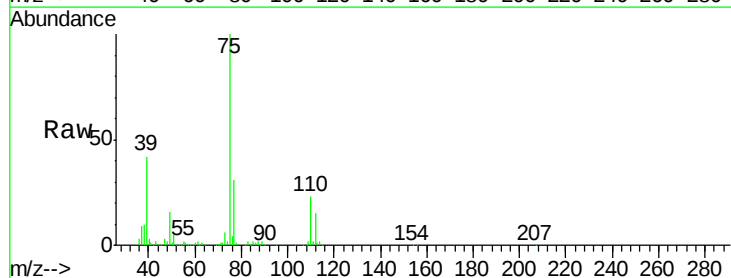
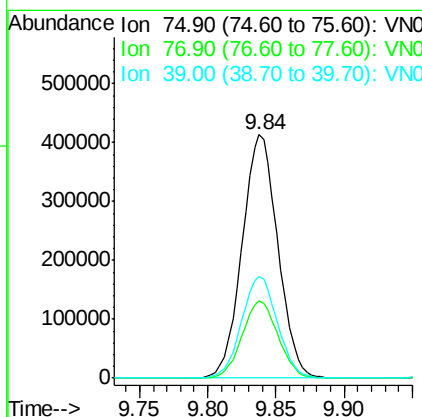
Manual Integrations  
APPROVED

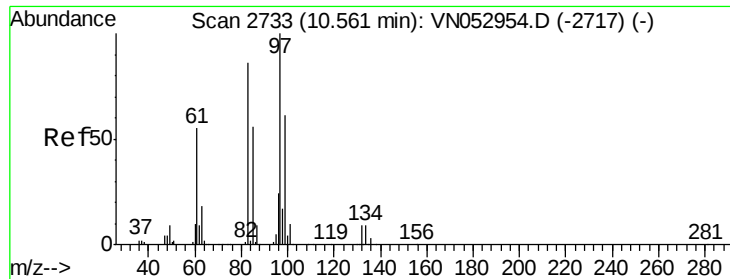
MMDadoda  
1/4/2019 12:38:54 PM



#54  
cis-1,3-Dichloropropene  
Concen: 55.294 ug/l  
RT: 9.84 min Scan# 2508  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 25.8  | 38.8  |
| 39      | 41.8  | 34.8  | 52.2  |





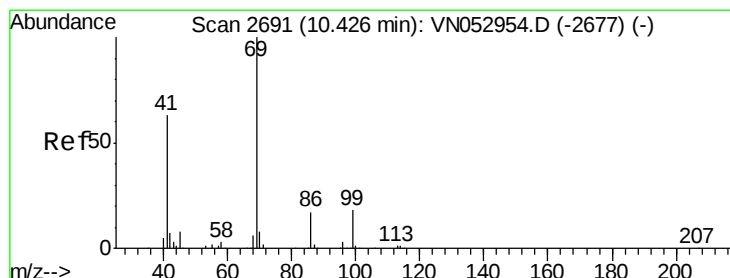
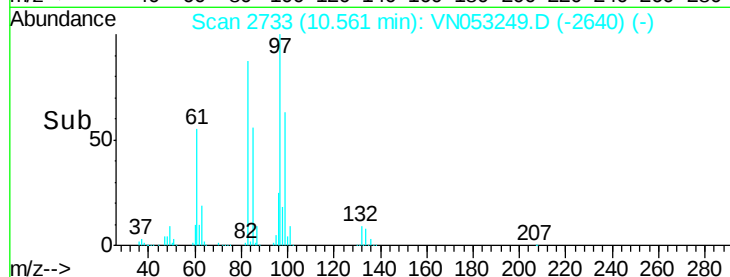
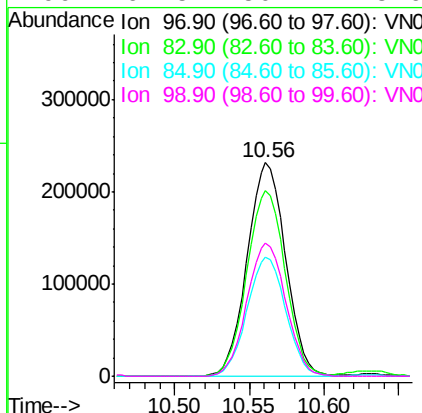
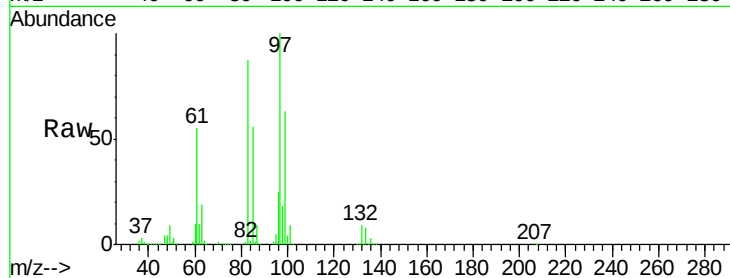
#55  
 1,1,2-Trichloroethane  
 Concen: 54.903 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 414091 |       |       |
| 83      | 86.8 | 70.9  | 106.3  |       |       |
| 85      | 56.0 | 45.4  | 68.2   |       |       |
| 99      | 62.5 | 50.4  | 75.6   |       |       |

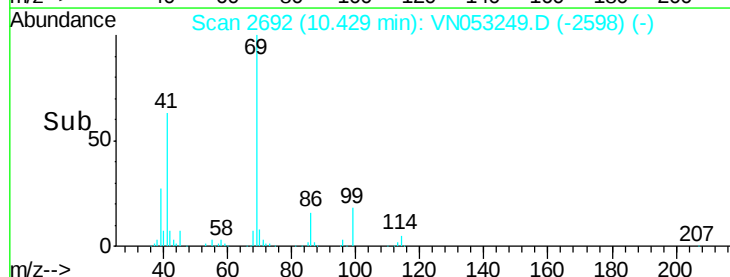
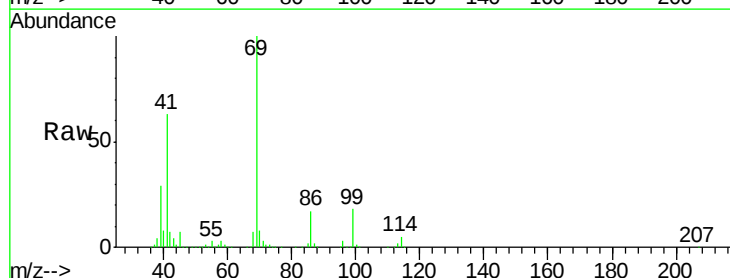
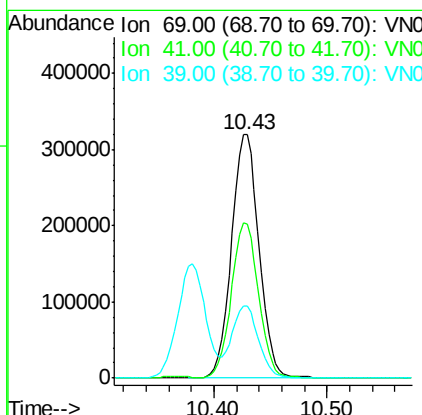
Manual Integrations  
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#56  
 Ethyl methacrylate  
 Concen: 54.129 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 540361 |       |       |
| 41      | 62.6 | 51.7  | 77.5   |       |       |
| 39      | 28.6 | 24.6  | 37.0   |       |       |





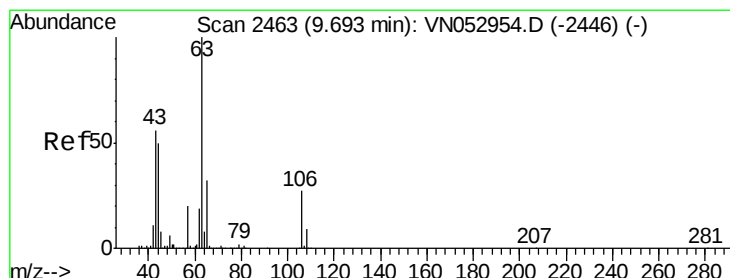
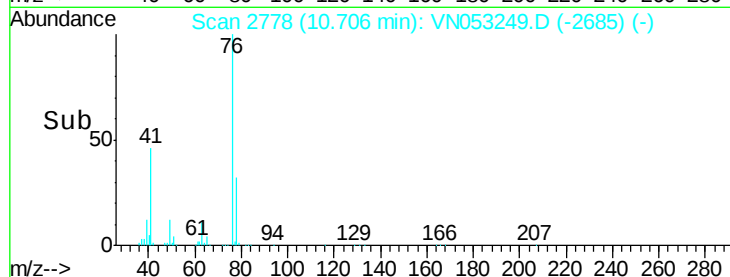
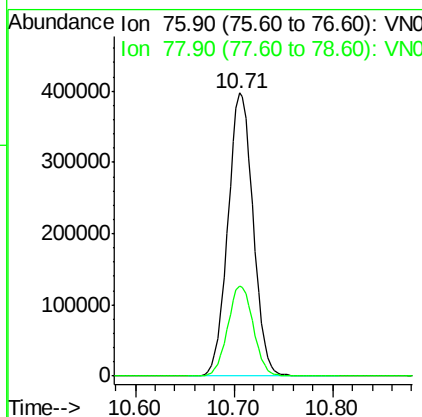
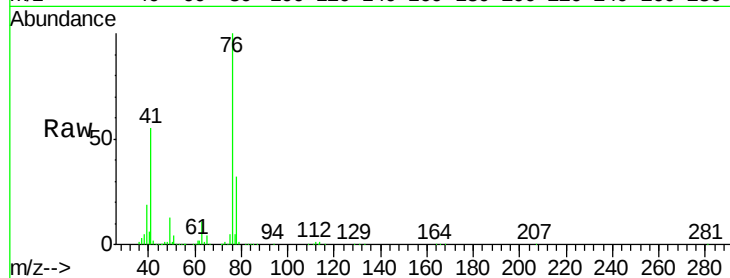
#57  
 1,3-Dichloropropane  
 Concen: 54.902 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.3  | 25.8  | 38.8  |

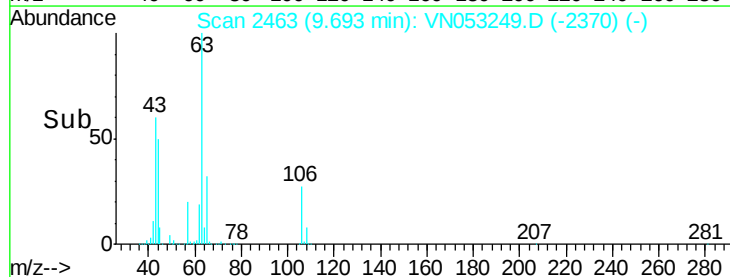
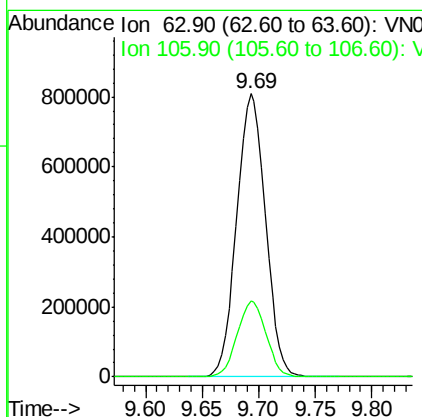
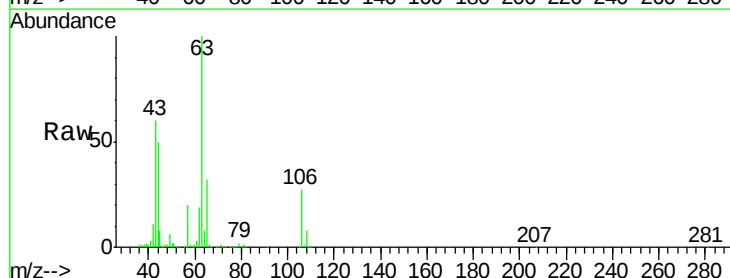
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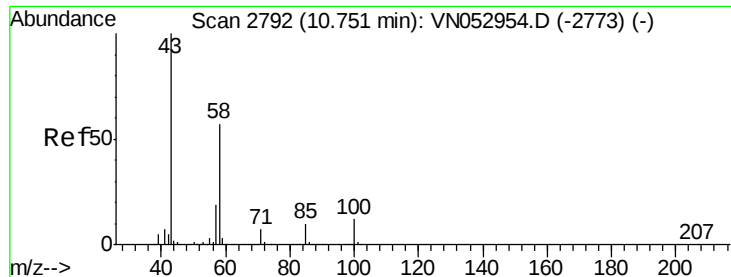
MMDadoda  
 1/4/2019 12:38:54 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 262.689 ug/l  
 RT: 9.69 min Scan# 2463  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.8  | 21.0  | 31.6  |





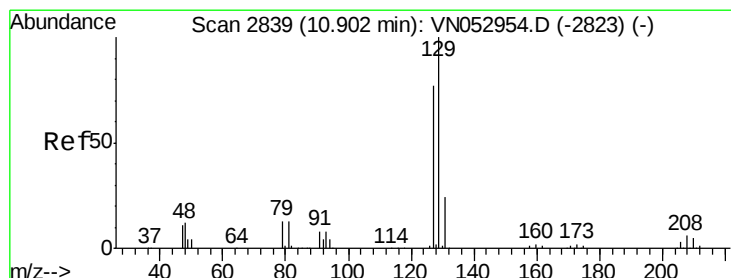
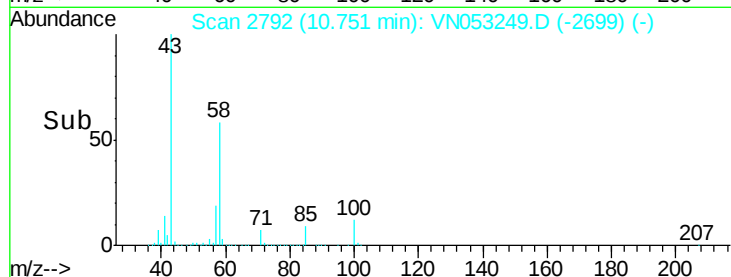
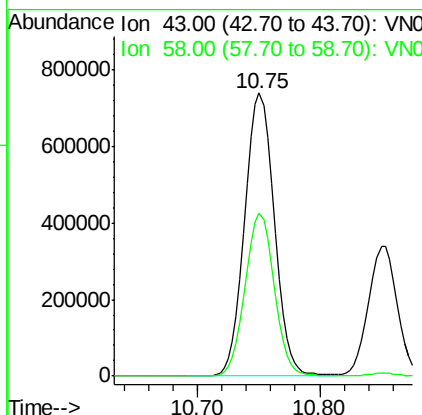
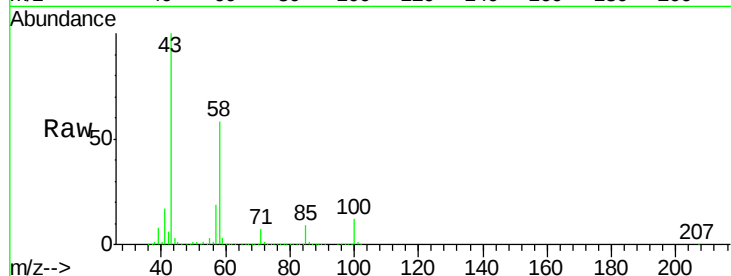
#59  
2-Hexanone  
Concen: 287.911 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 43 Resp: 1234878  
Ion Ratio Lower Upper  
43 100  
58 56.7 28.1 84.3

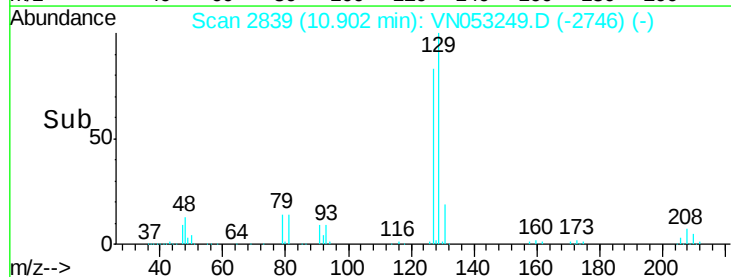
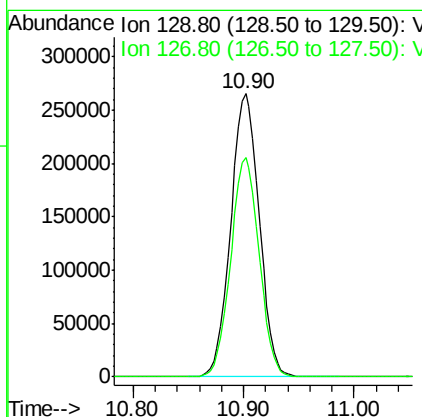
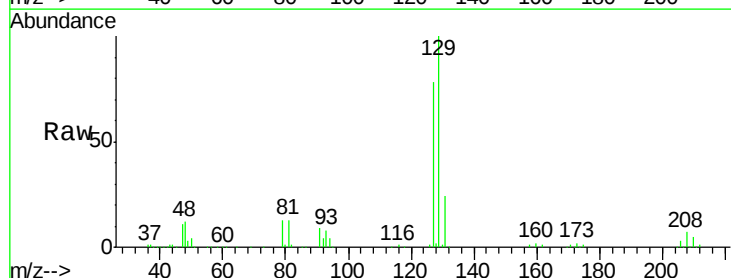
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#60  
Dibromochloromethane  
Concen: 55.115 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Tgt Ion: 129 Resp: 475828  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.236 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 407785

Ion Ratio Lower Upper

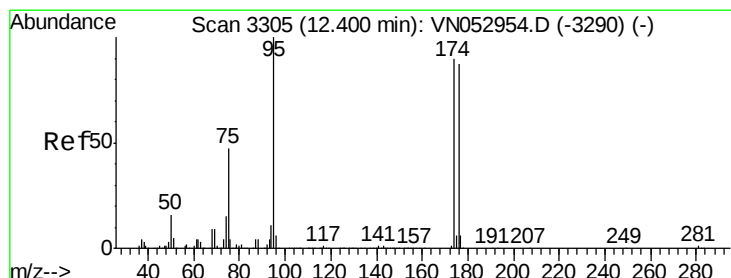
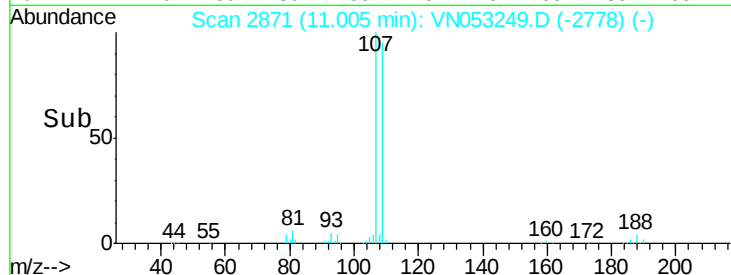
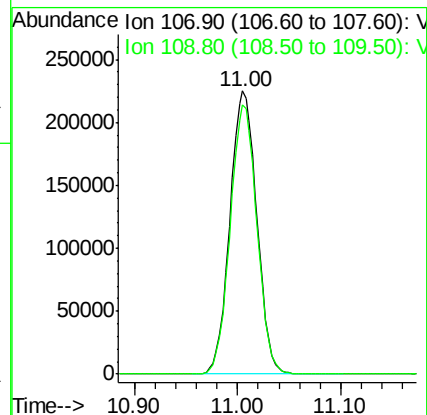
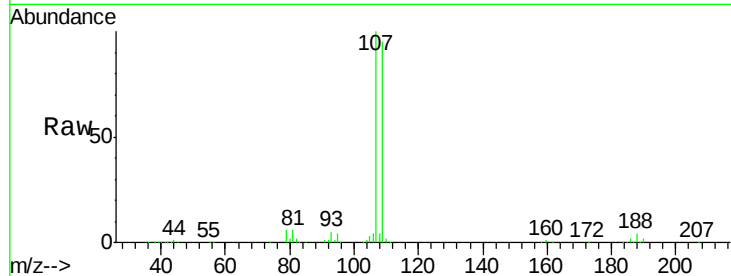
107 100

109 94.8 75.4 113.0

Manual Integrations  
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1/4/2019 12:38:54 PM



#62

4-Bromofluorobenzene

Concen: 53.236 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

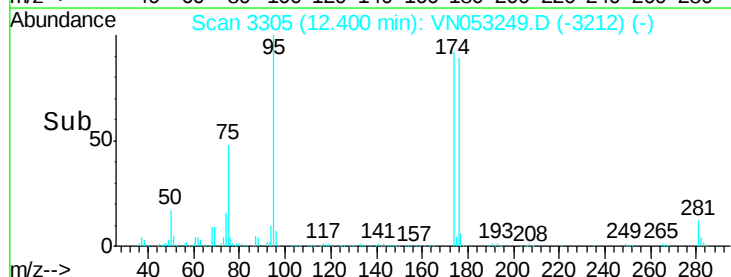
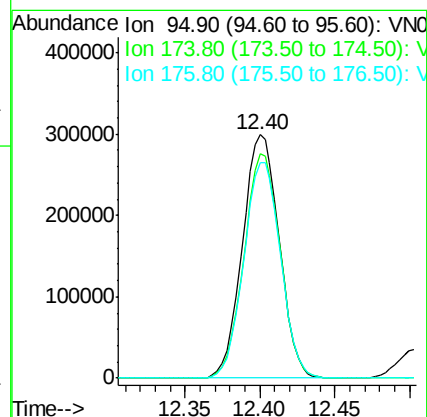
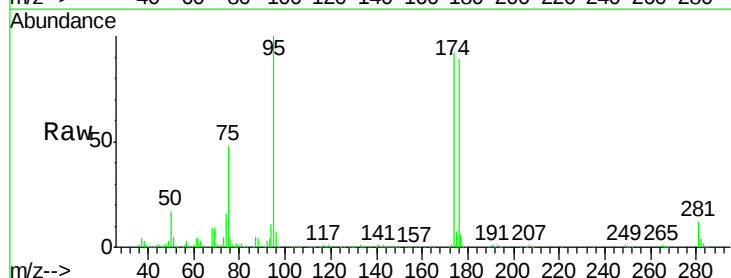
Tgt Ion: 95 Resp: 509707

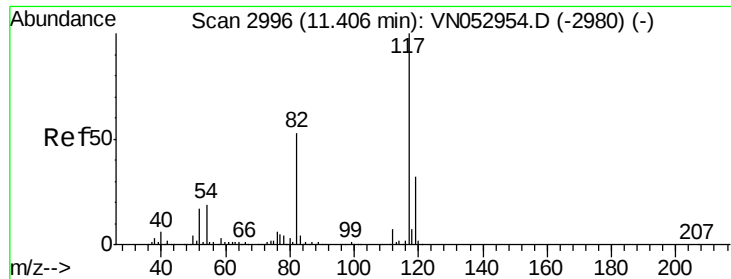
Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.8

176 89.0 0.0 173.8





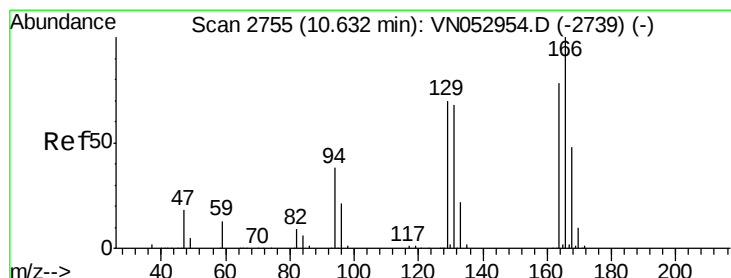
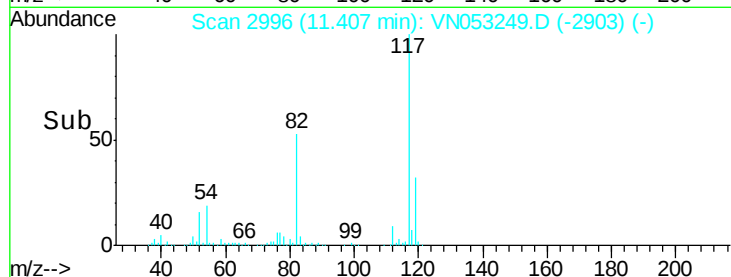
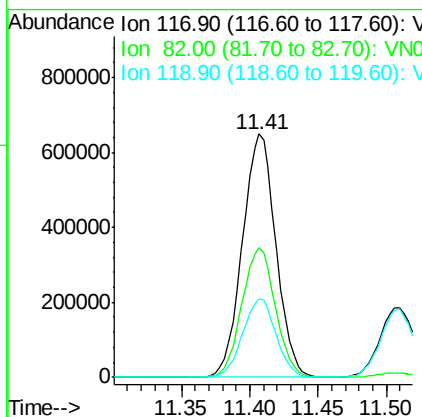
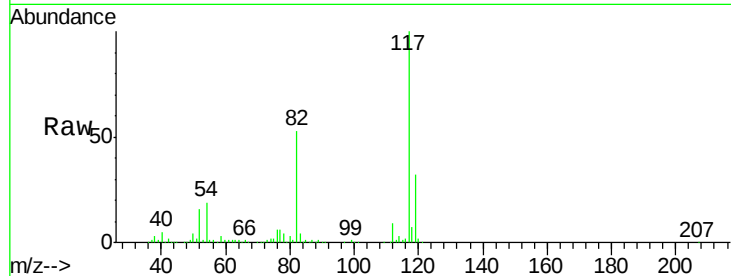
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:117 Resp: 1104943  
Ion Ratio Lower Upper  
117 100  
82 53.2 42.8 64.2  
119 32.1 25.5 38.3

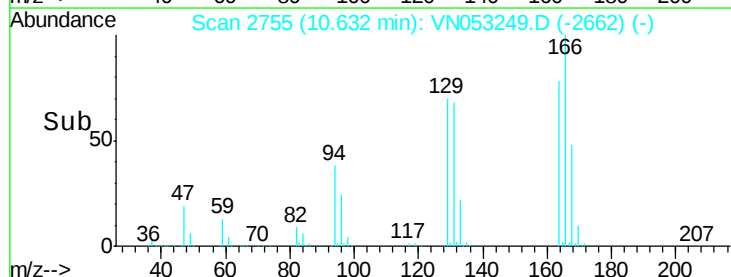
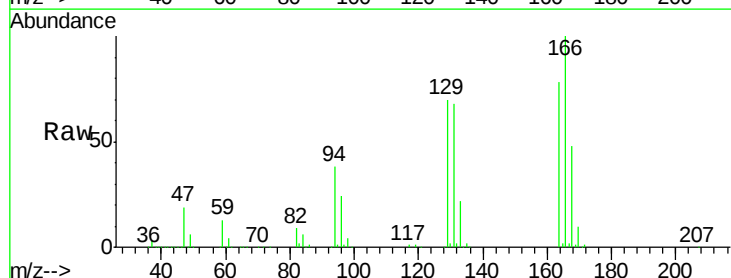
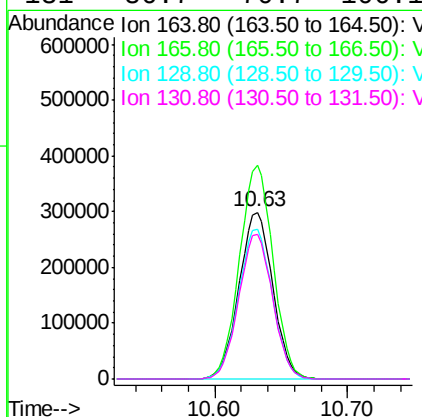
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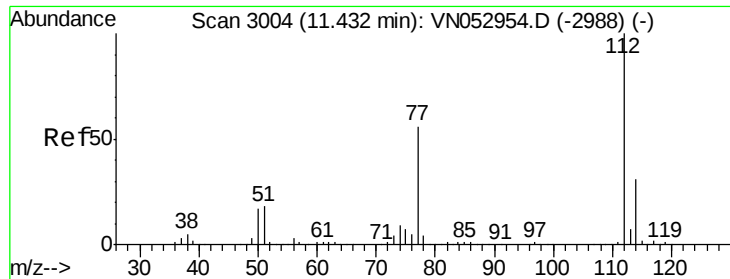
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#64  
Tetrachloroethene  
Concen: 44.156 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Tgt Ion:164 Resp: 528504  
Ion Ratio Lower Upper  
164 100  
166 128.0 102.9 154.3  
129 89.5 73.7 110.5  
131 86.7 70.7 106.1





#65

Chlorobenzene

Concen: 54.360 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 1331465

Ion Ratio Lower Upper

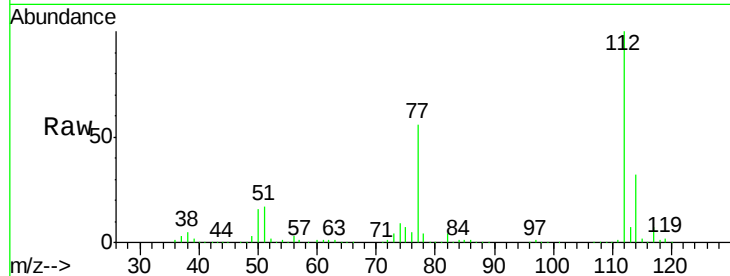
112 100

114 32.2 25.5 38.3

Manual Integrations  
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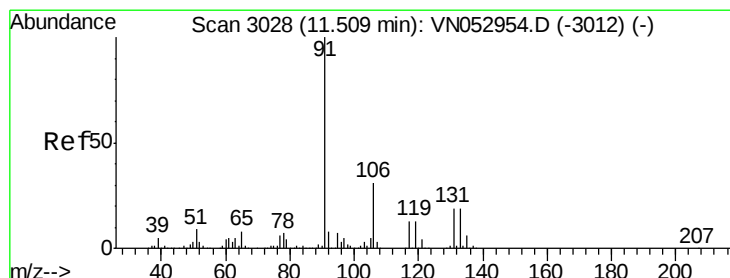
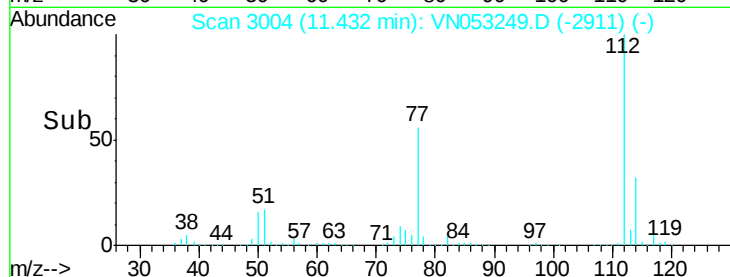
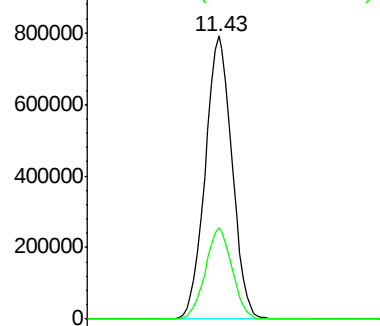
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.571 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

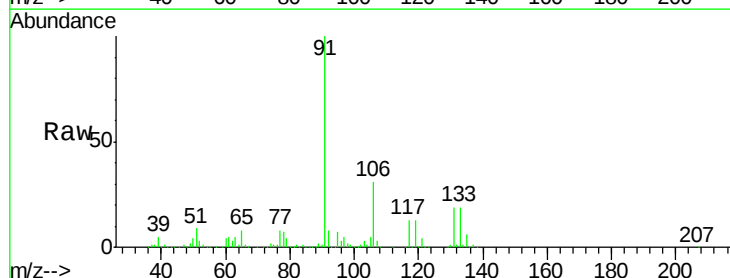
Tgt Ion:131 Resp: 473330

Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

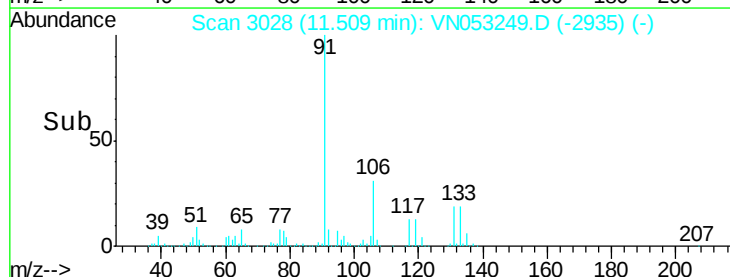
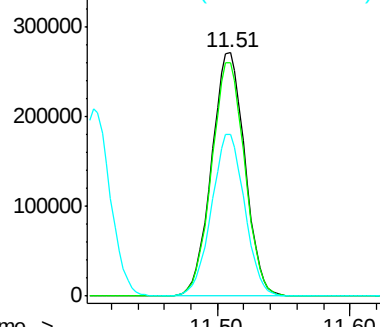
119 66.1 33.3 99.8

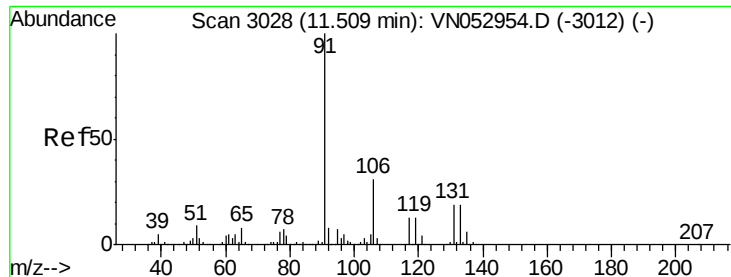


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





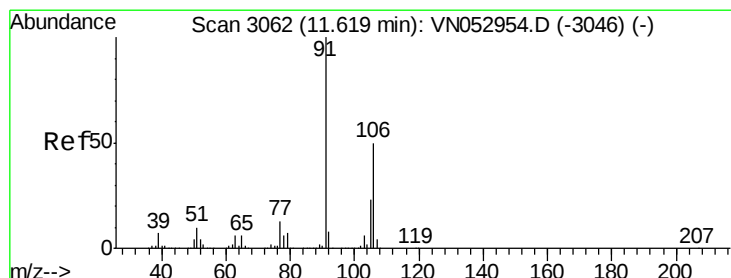
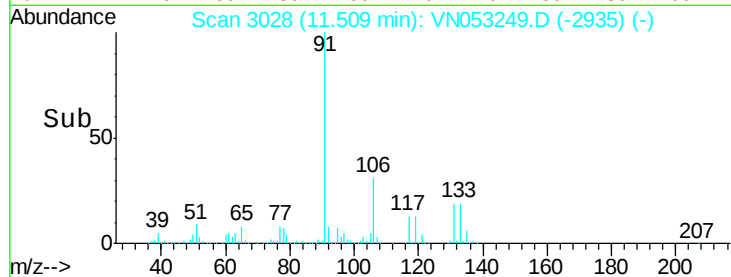
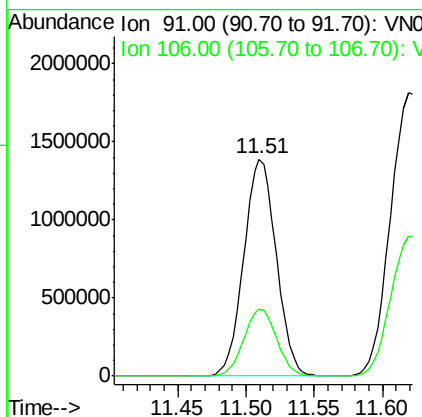
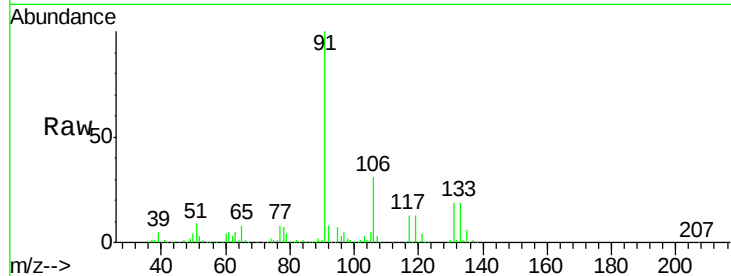
#67  
Ethyl Benzene  
Concen: 54.512 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 91 Resp: 2296190  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.9 37.3

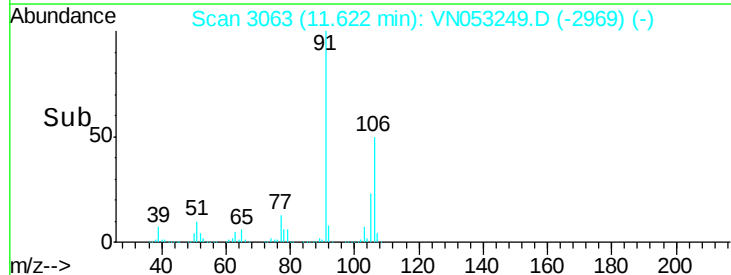
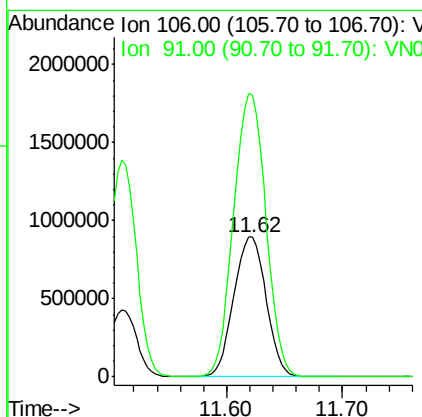
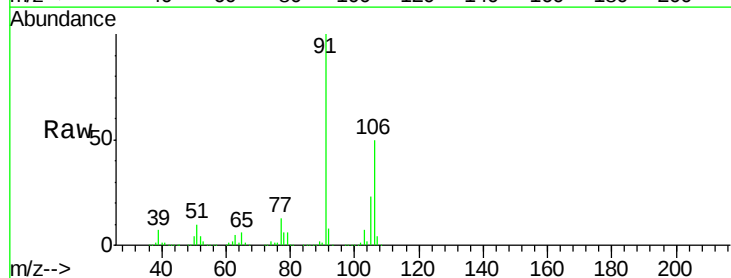
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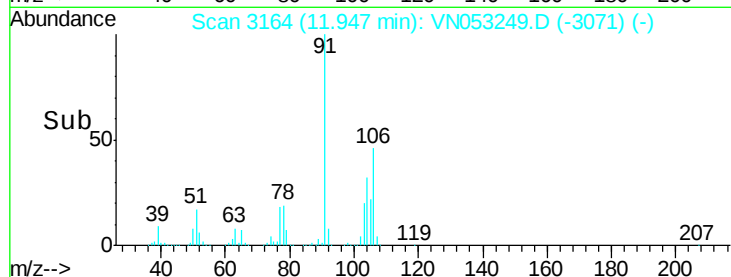
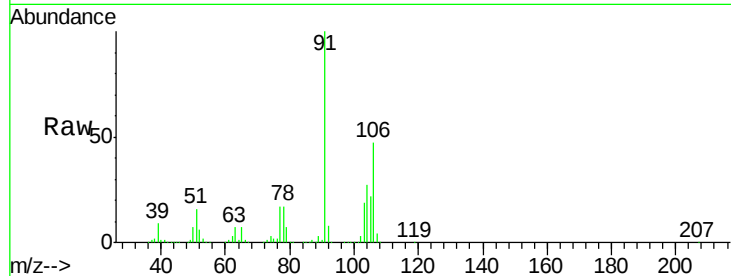
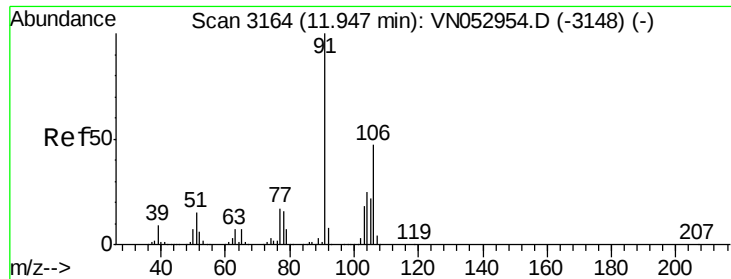
MMDadoda  
1/4/2019 12:38:54 PM



#68  
m/p-Xylenes  
Concen: 108.589 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Tgt Ion: 106 Resp: 1738853  
Ion Ratio Lower Upper  
106 100  
91 202.3 162.2 243.4





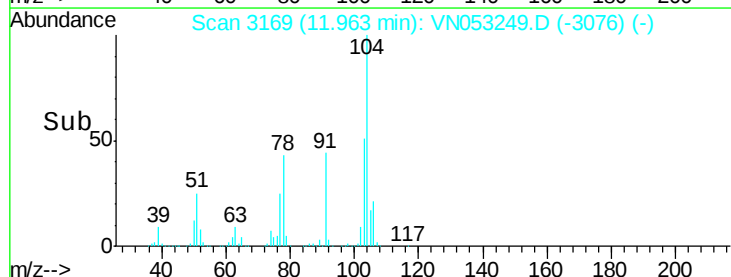
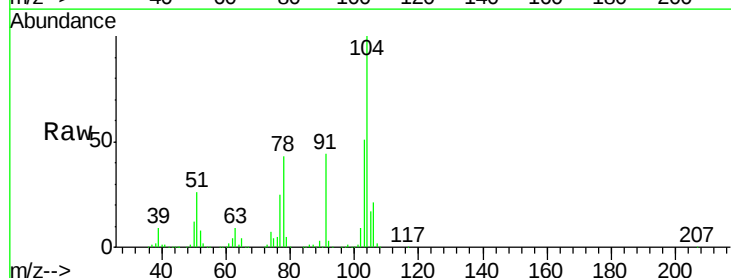
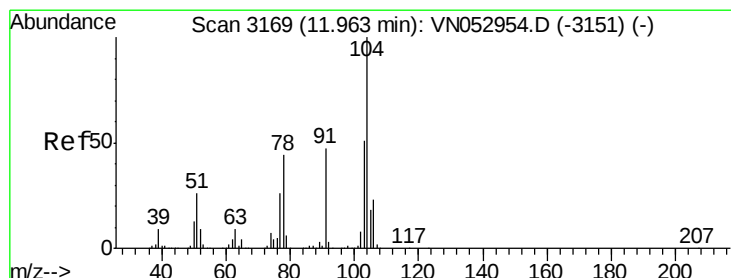
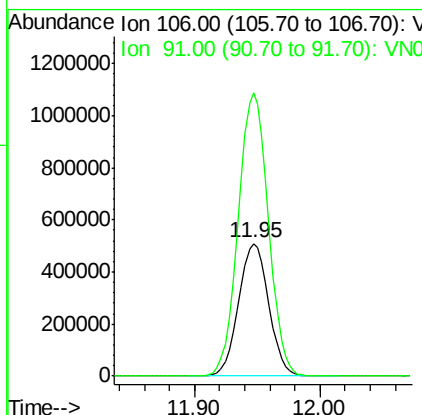
#69  
o-Xylene  
Concen: 55.195 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Tot Ion: 106 Resp: 848127  
Ion Ratio Lower Upper  
106 100  
91 213.6 106.6 319.8

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

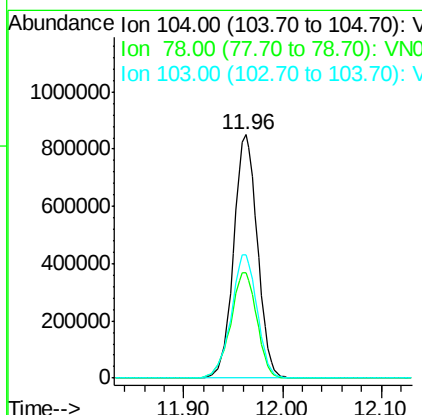
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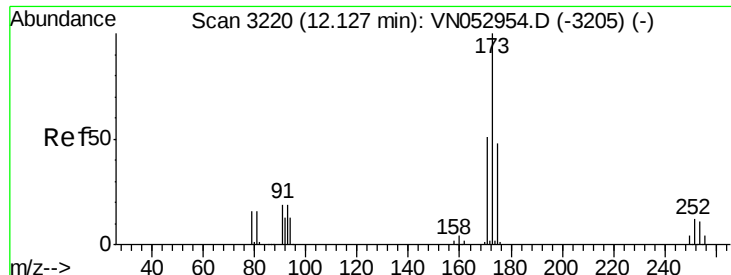
MMDadoda  
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#70  
Styrene  
Concen: 56.662 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Tgt Ion: 104 Resp: 1419703  
Ion Ratio Lower Upper  
104 100  
78 48.0 38.9 58.3  
103 55.2 44.3 66.5





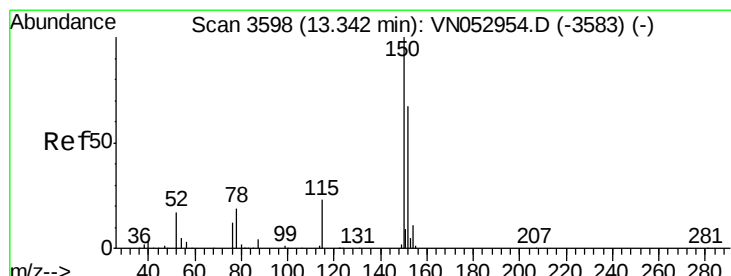
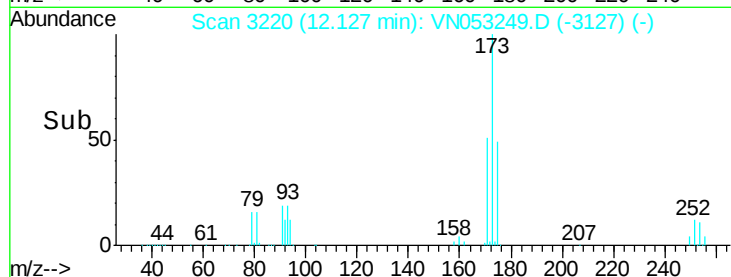
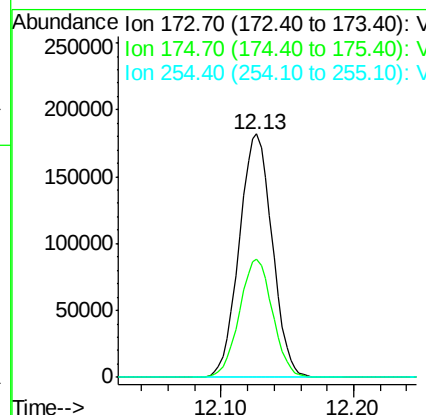
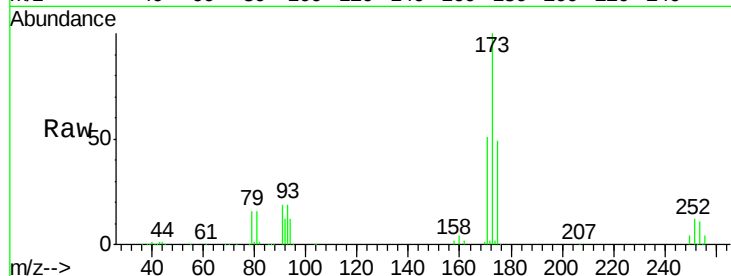
#71  
Bromoform  
Concen: 51.044 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 173     | 100  |       |       |       |
| 175     | 48.7 | 24.3  | 72.9  |       |
| 254     | 0.1  | 0.1   | 0.1   |       |

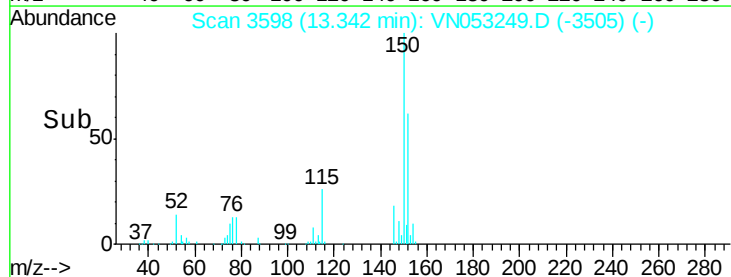
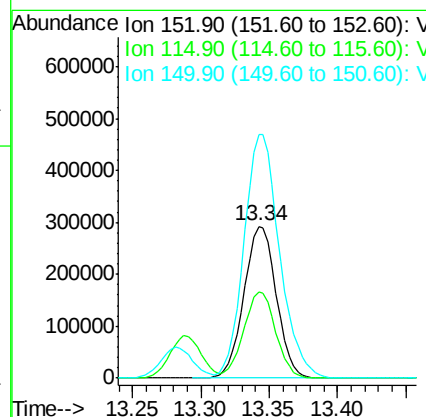
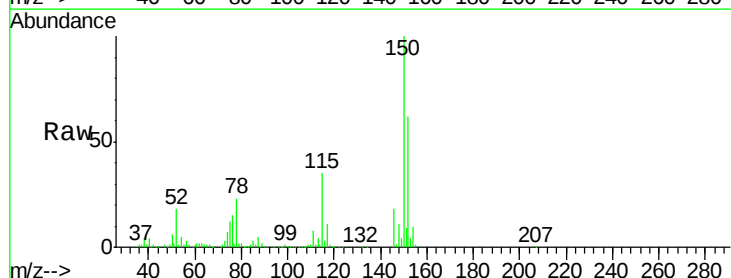
Manual Integrations  
APPROVED

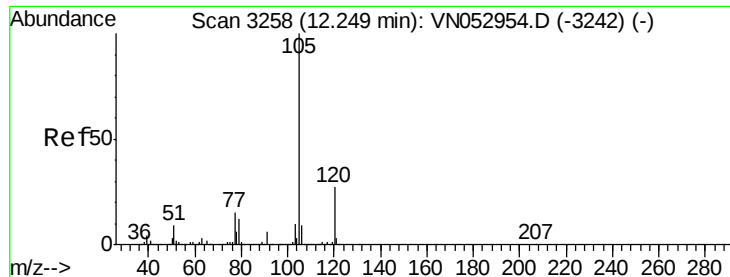
MMDadoda  
1/4/2019 12:38:54 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   |       |       |       |
| 115     | 56.0  | 28.3  | 85.0  |       |
| 150     | 176.1 | 0.0   | 347.8 |       |





#73

Isopropylbenzene

Concen: 60.741 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2285663

Ion Ratio Lower Upper

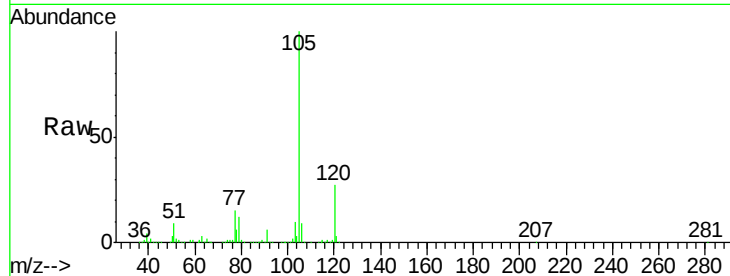
105 100

120 27.1 13.3 39.9

Manual Integrations  
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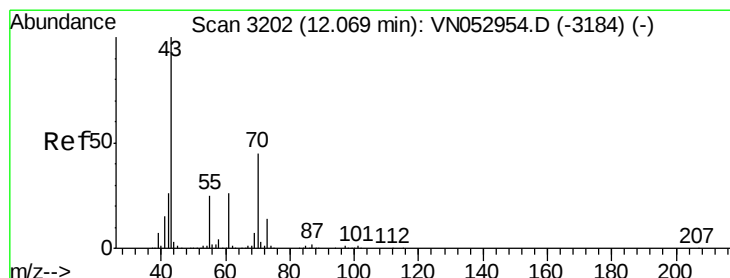
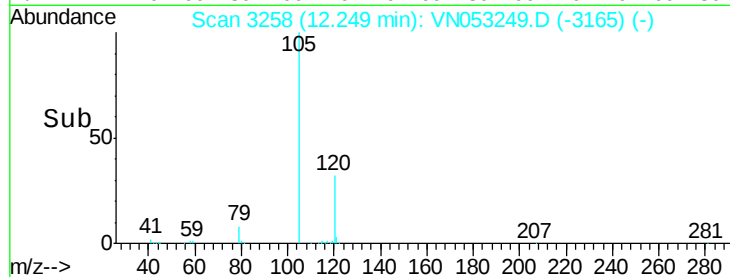
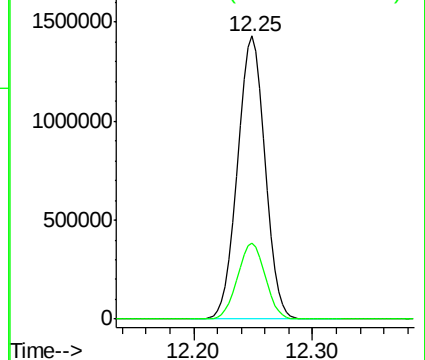
MMDadoda

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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: 54.858 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Tgt Ion: 43 Resp: 573121

Ion Ratio Lower Upper

43 100

70 44.1 34.2 51.4

55 25.1 20.3 30.5

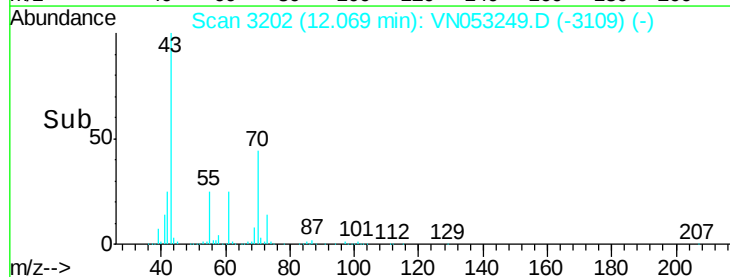
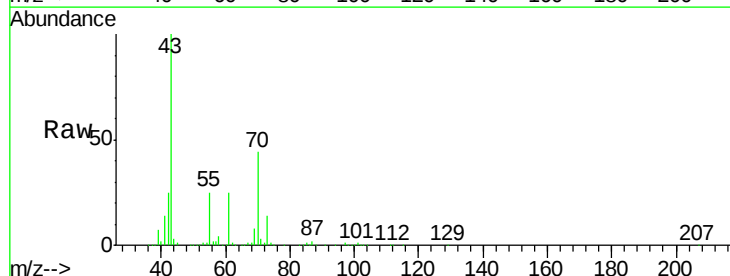
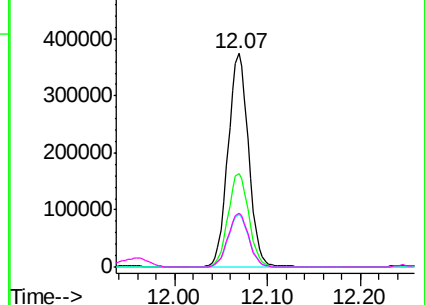
61 25.5 20.0 30.0

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: 56.678 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

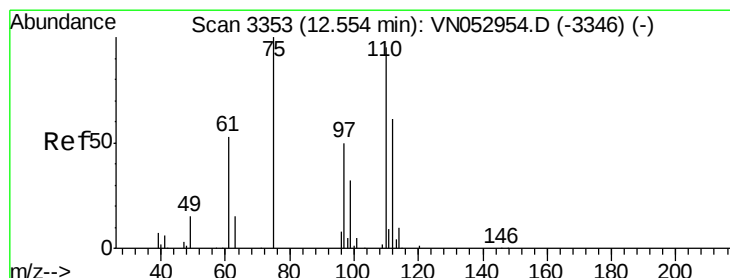
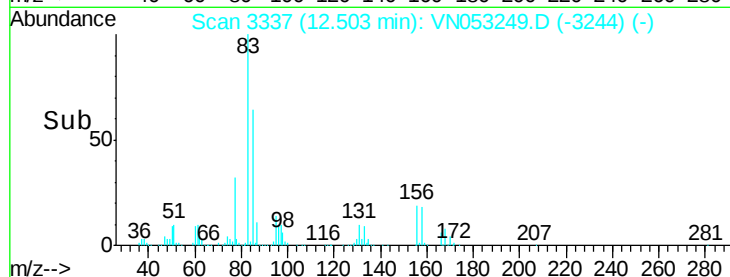
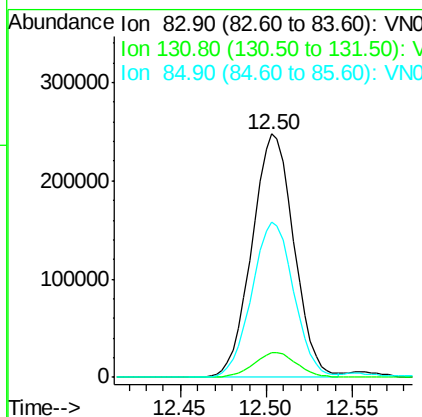
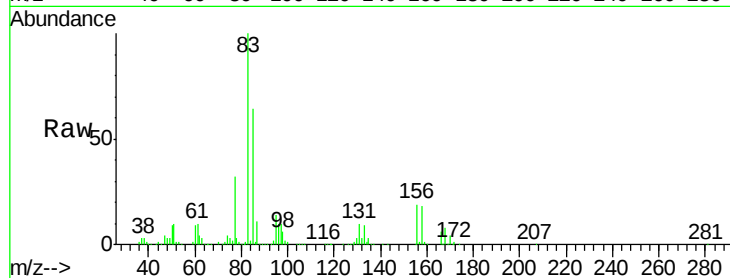
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 418419 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.5  | 5.2   | 15.6   |
| 85        | 63.8  | 32.4  | 97.0   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 45.504 ug/l m

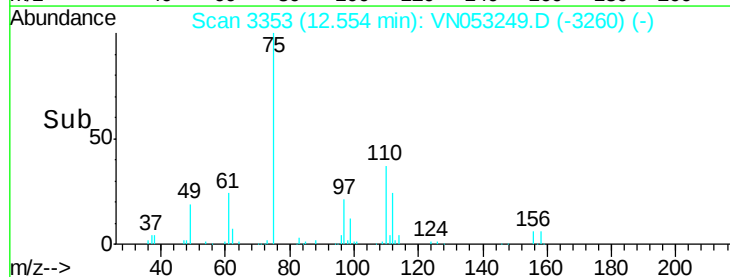
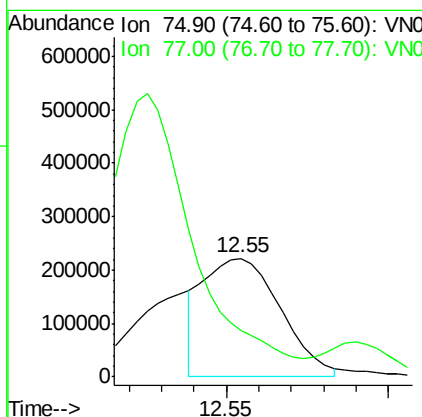
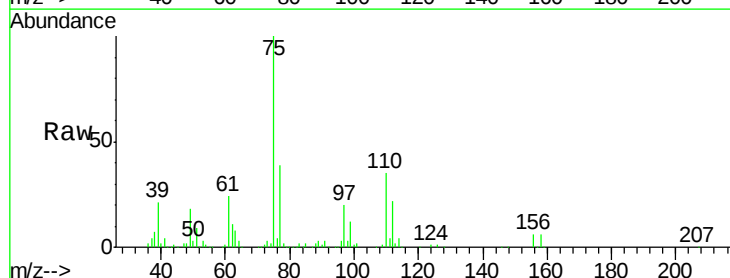
RT: 12.55 min Scan# 3353

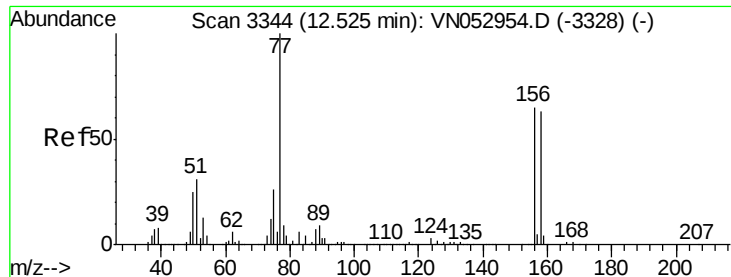
Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 368405 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 58.761 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

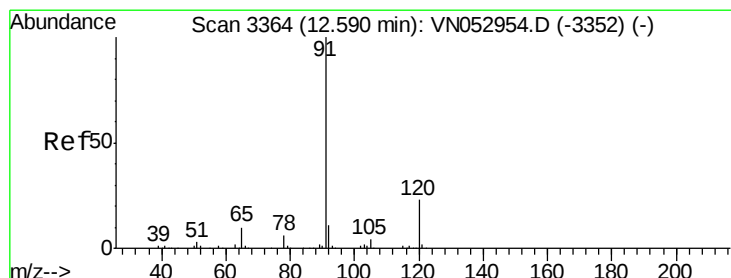
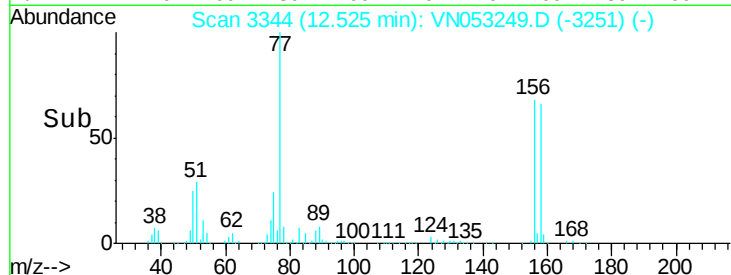
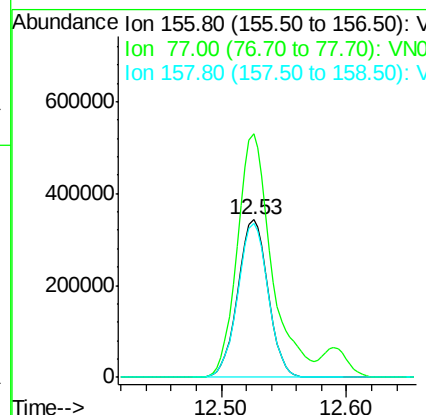
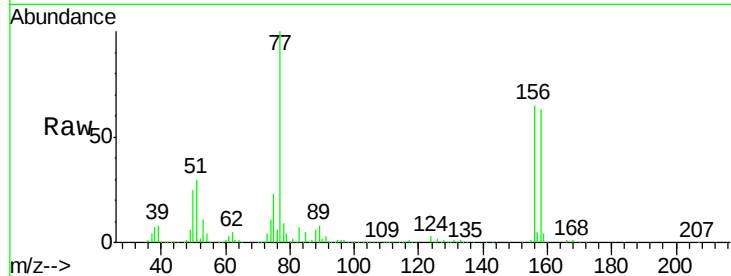
ClientSampled :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 574775 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 175.3 | 91.3  | 273.8  |
| 158       | 97.9  | 49.0  | 147.2  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 60.960 ug/l

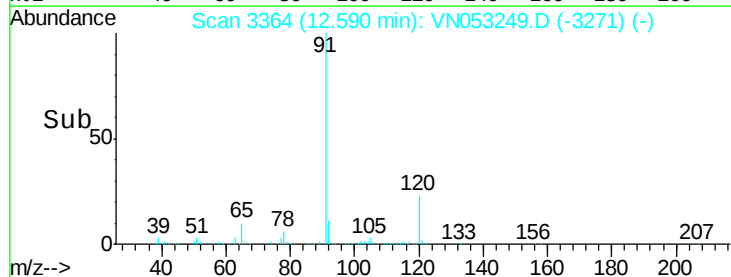
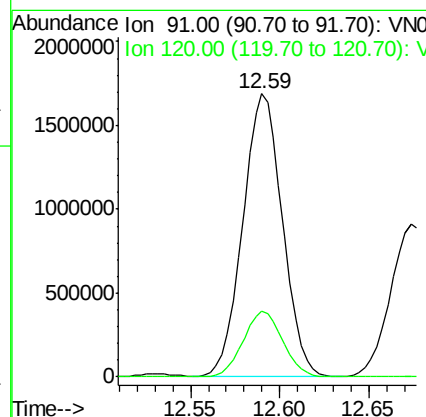
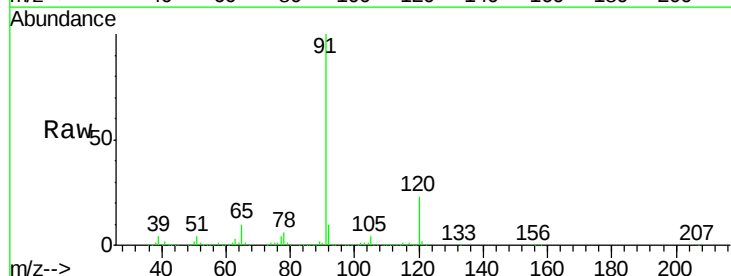
RT: 12.59 min Scan# 3364

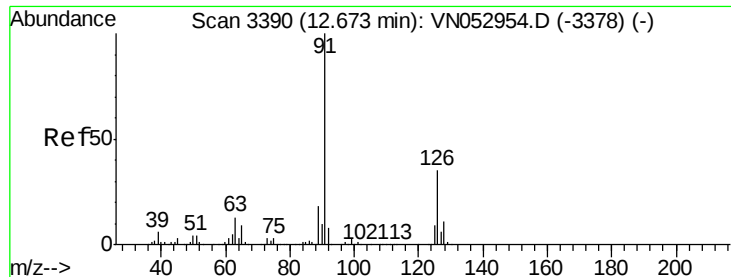
Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 2612531 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.3  | 11.5  | 34.5    |





#79

2-Chlorotoluene

Concen: 57.190 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1519226

Ion Ratio Lower Upper

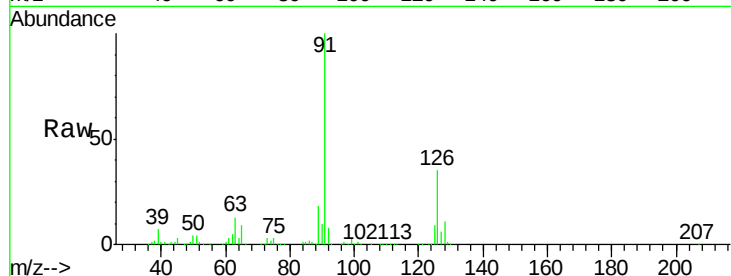
91 100

126 35.3 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VN053249.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN053249.D (-3297) (-)

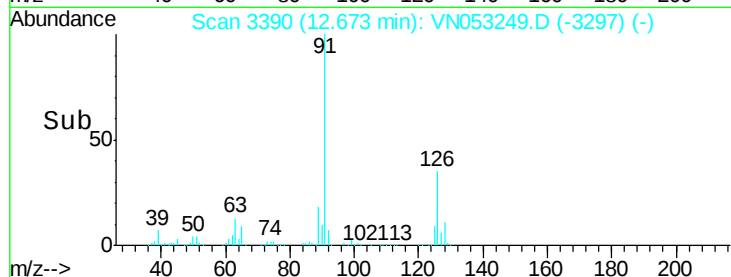
1500000

1000000

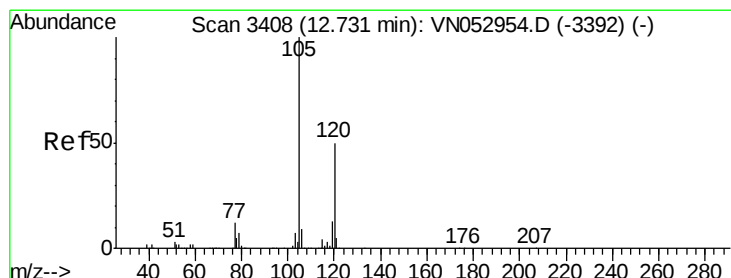
500000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 59.136 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053249.D

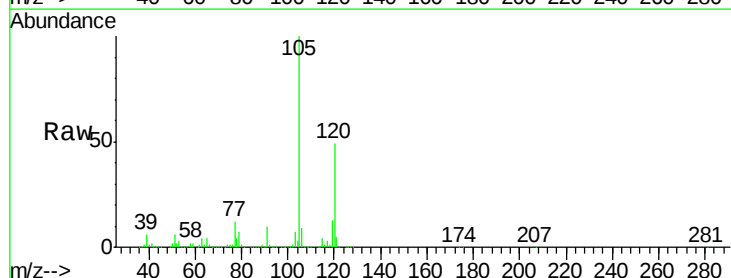
Acq: 3 Jan 2019 9:07

Tgt Ion:105 Resp: 1813794

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053249.D (-3315) (-)

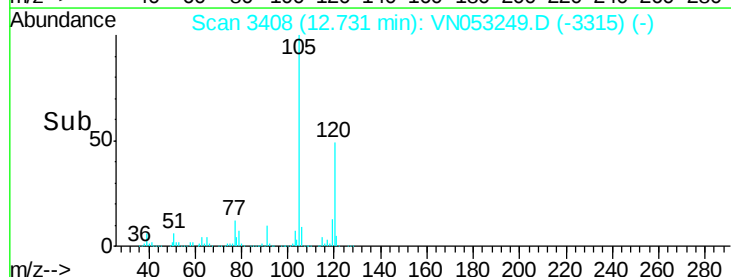
Ion 120.00 (119.70 to 120.70): VN053249.D (-3315) (-)

1000000

500000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 54.376 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 136588

Ion Ratio Lower Upper

75 100

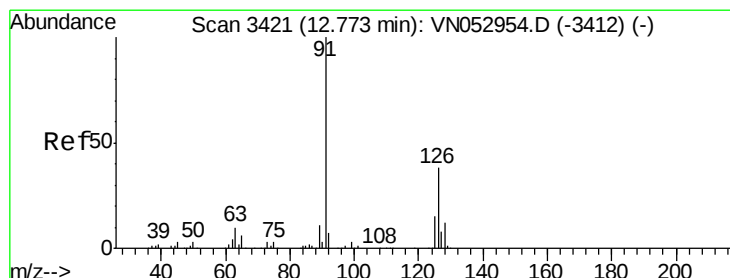
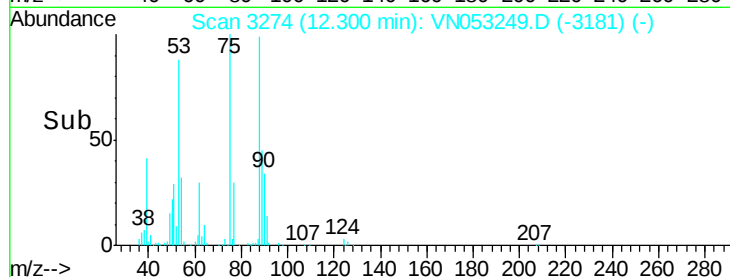
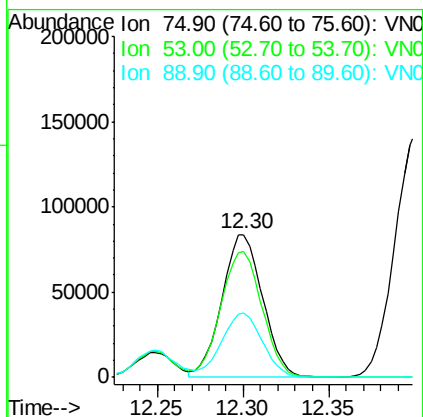
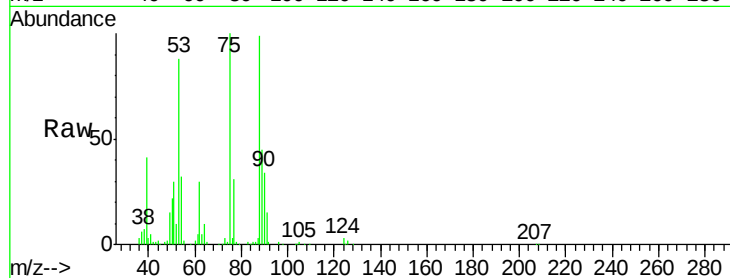
53 90.1 74.7 112.1

89 45.6 36.1 54.1

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1/4/2019 12:38:54 PM



#82

4-Chlorotoluene

Concen: 59.837 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053249.D

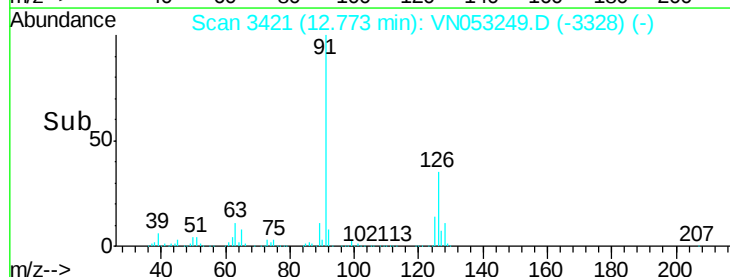
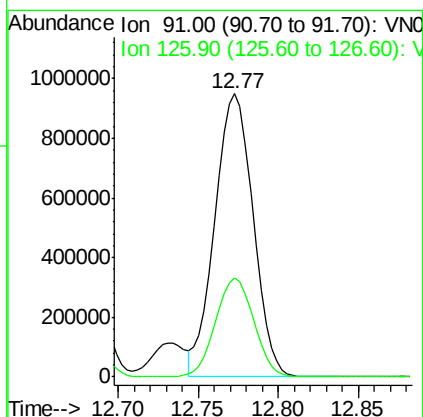
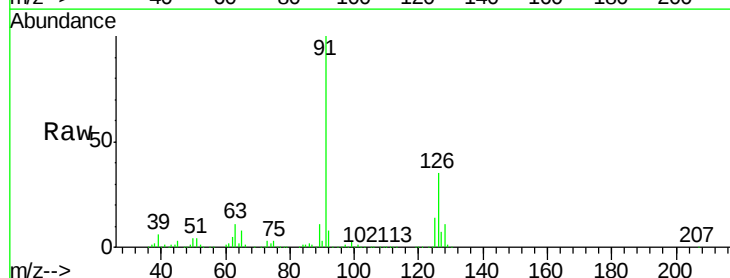
Acq: 3 Jan 2019 9:07

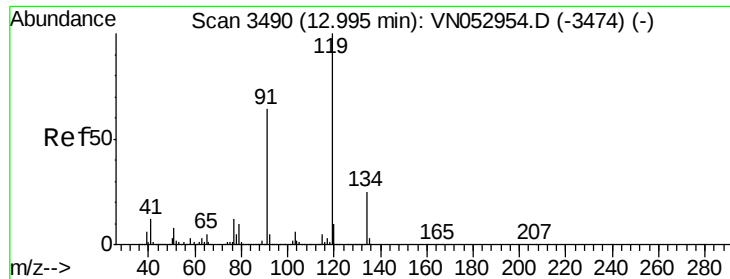
Tgt Ion: 91 Resp: 1556009

Ion Ratio Lower Upper

91 100

126 34.9 17.3 51.7





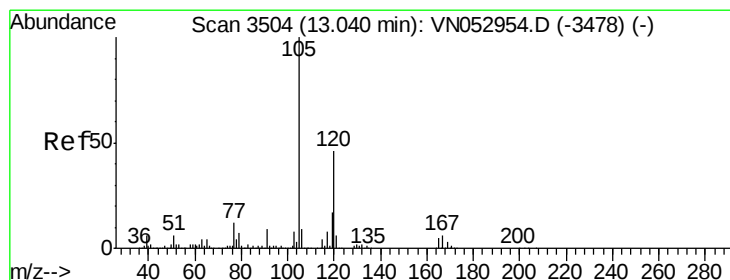
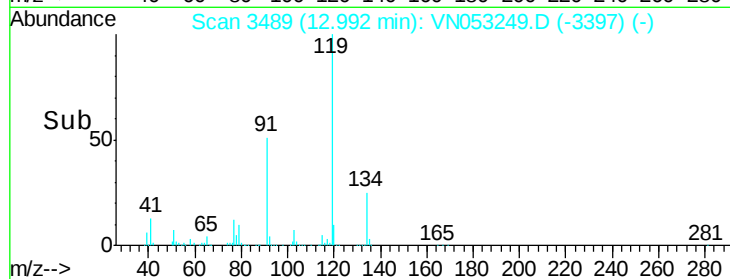
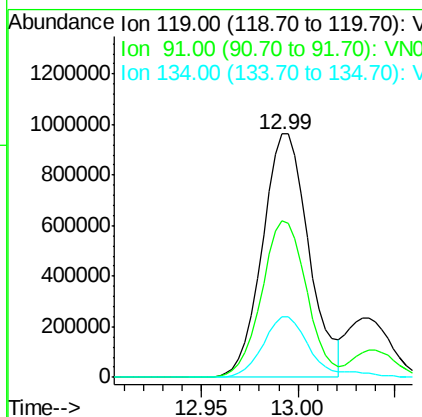
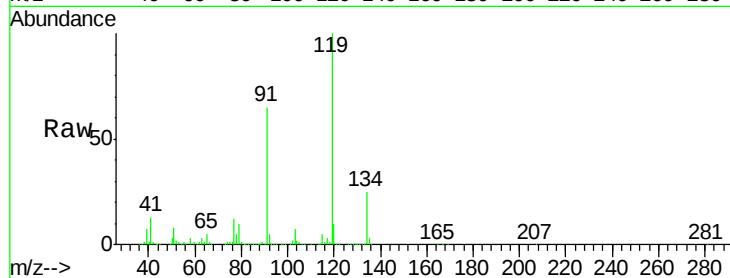
#83  
 tert-Butylbenzene  
 Concen: 59.166 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. -0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:119 Resp: 1604927  
 Ion Ratio Lower Upper  
 119 100  
 91 62.3 31.9 95.5  
 134 25.6 12.8 38.4

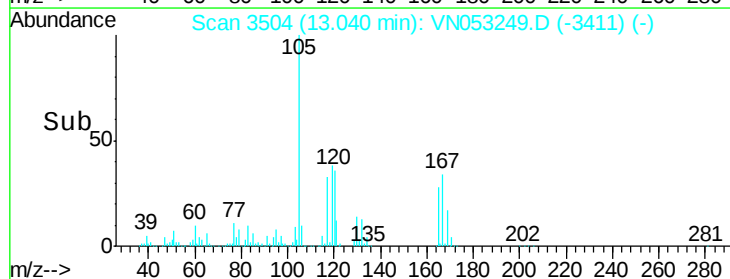
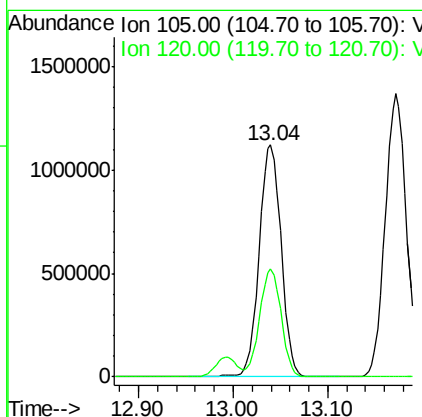
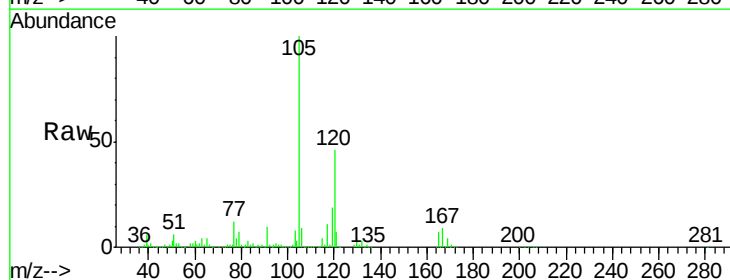
Manual Integrations  
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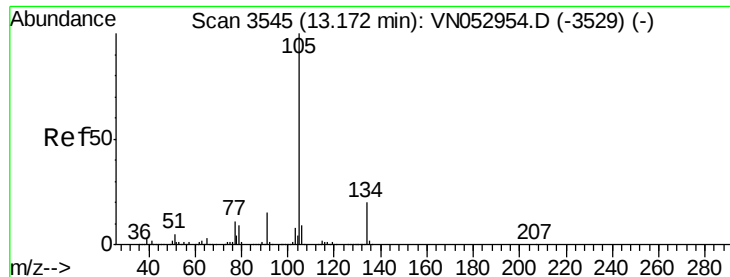
MMDadoda  
 1/4/2019 12:38:54 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 58.621 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Tgt Ion:105 Resp: 1807472  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 22.9 68.8





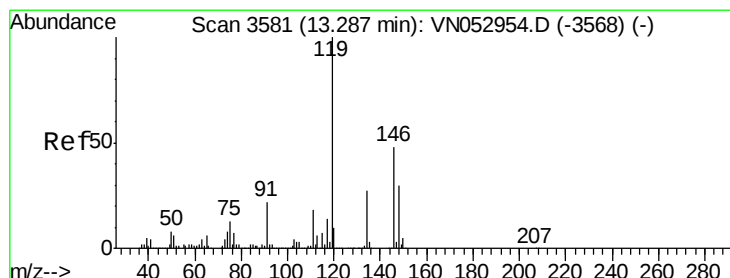
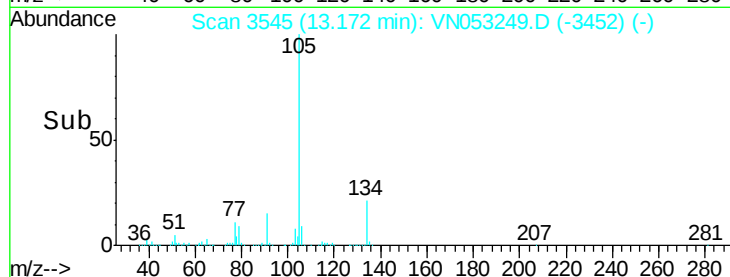
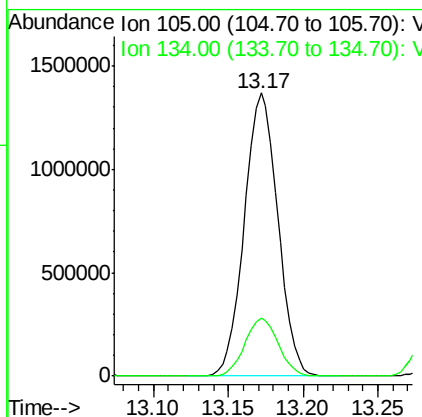
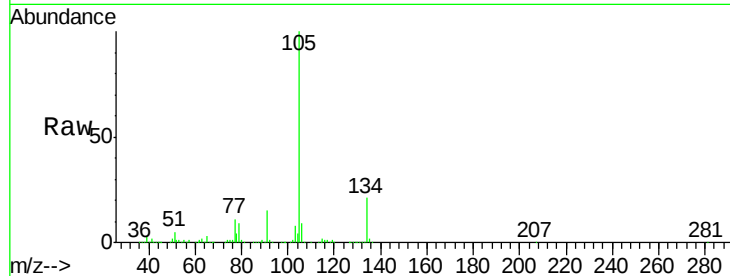
#85  
 sec-Butylbenzene  
 Concen: 58.207 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

Tot Ion:105 Resp: 2135656  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 10.1 30.3

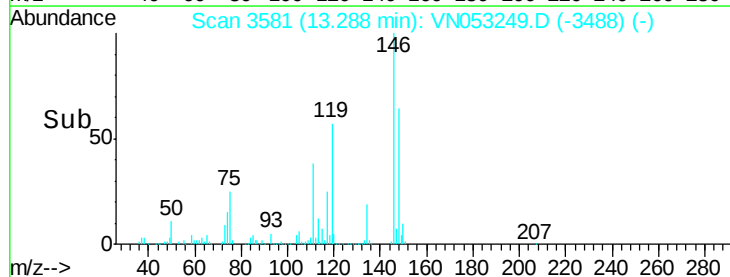
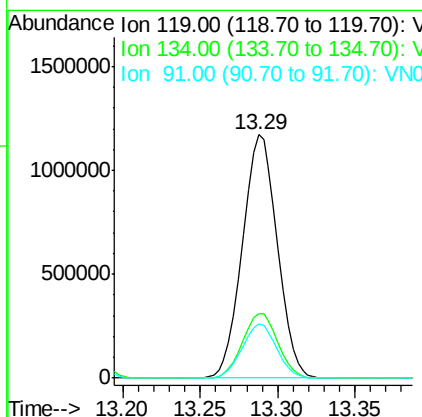
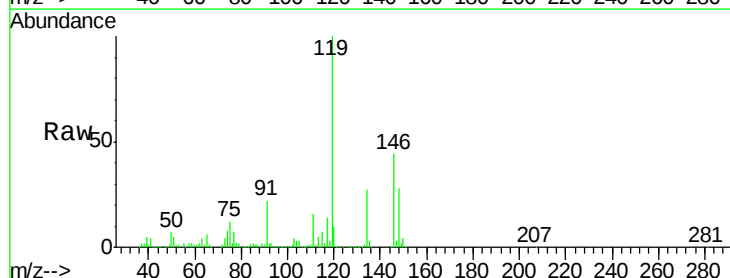
Manual Integrations  
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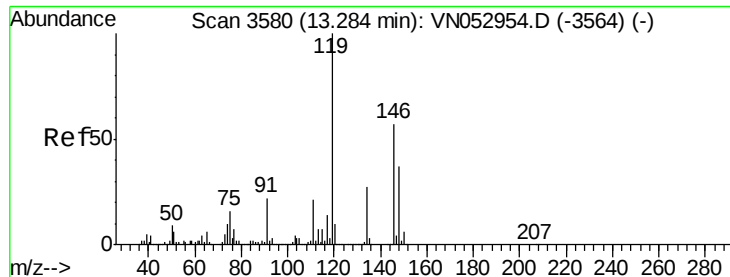
MMDadoda  
 1/4/2019 12:38:54 PM



#86  
 p-Isopropyltoluene  
 Concen: 57.737 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Tgt Ion:119 Resp: 1830492  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 13.4 40.2  
 91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 54.412 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

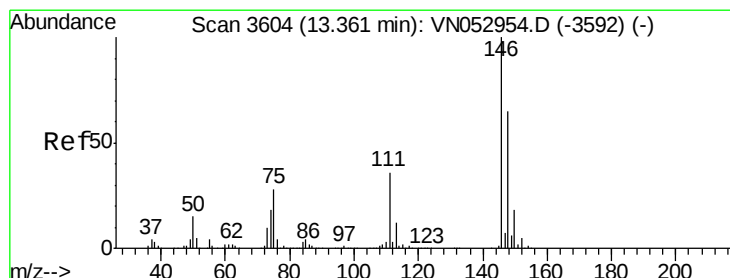
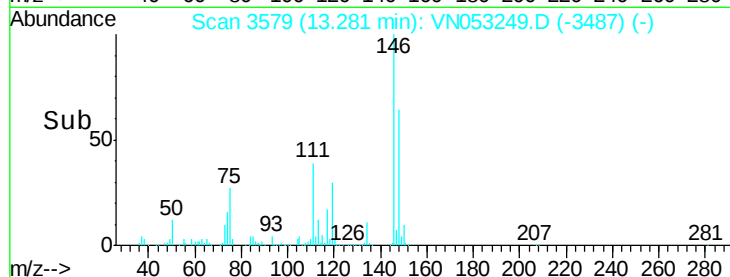
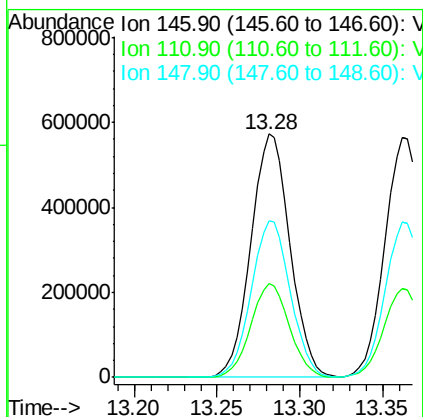
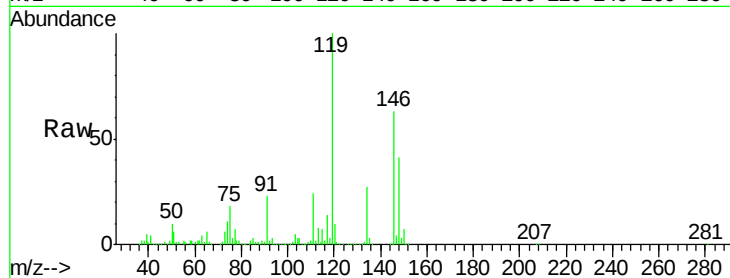
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 941996 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.1  | 19.1  | 57.1   |
| 148       | 64.3  | 32.0  | 96.0   |

Manual Integrations  
APPROVED

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1/4/2019 12:38:54 PM



#88

1,4-Dichlorobenzene

Concen: 52.064 ug/l

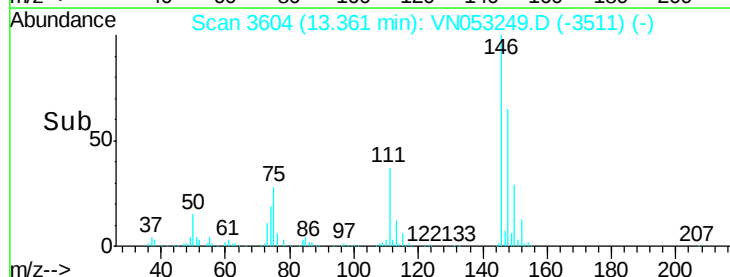
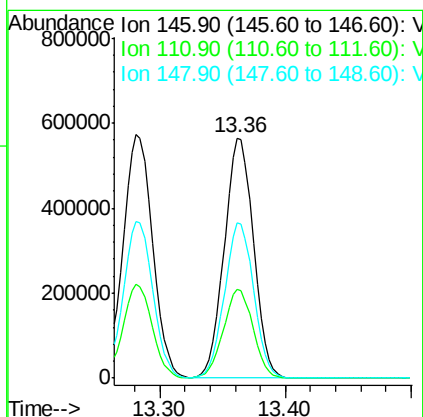
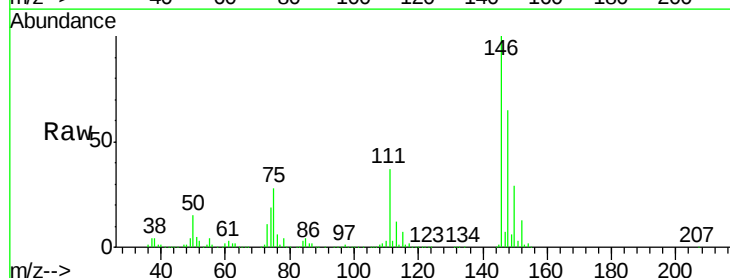
RT: 13.36 min Scan# 3604

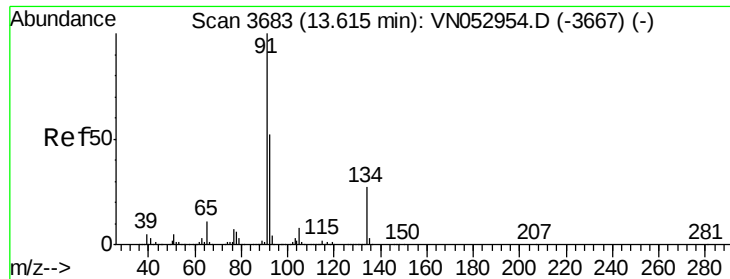
Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 912785 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.4  | 18.6  | 55.8   |
| 148       | 64.6  | 32.1  | 96.5   |





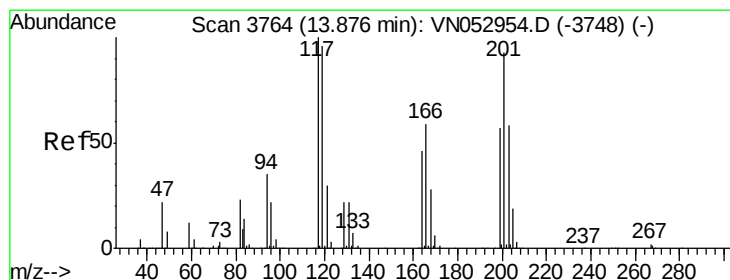
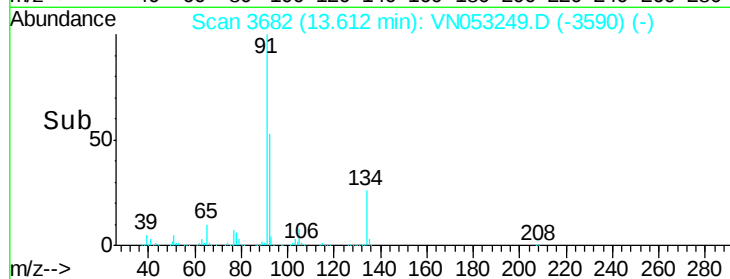
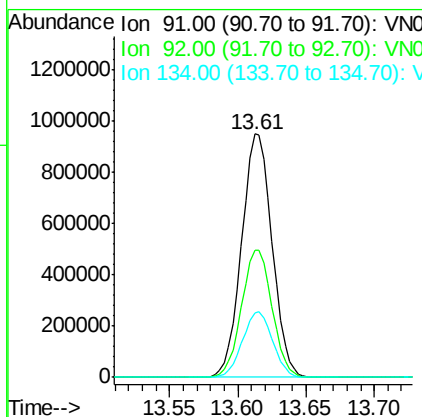
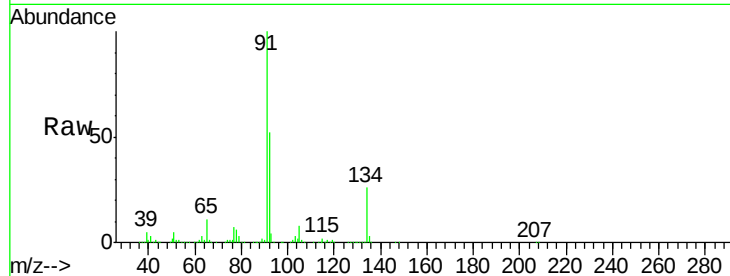
#89  
n-Butylbenzene  
Concen: 53.768 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 92      | 52.4 | 26.3  | 78.9  |       |
| 134     | 26.7 | 13.3  | 39.8  |       |

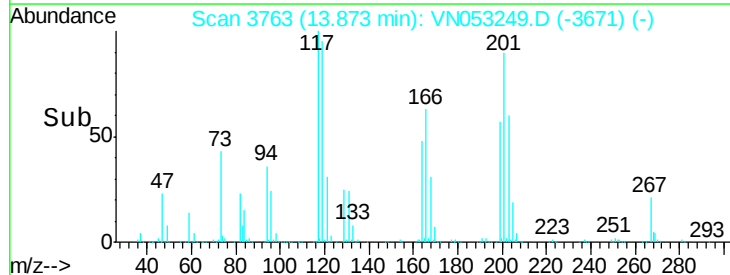
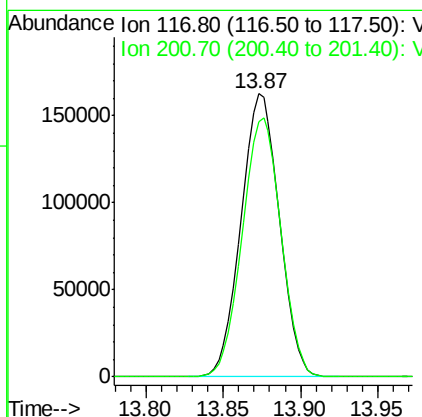
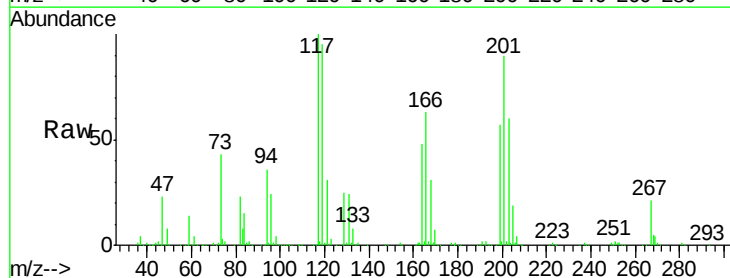
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1/4/2019 12:38:54 PM



#90  
Hexachloroethane  
Concen: 57.691 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN053249.D  
Acq: 3 Jan 2019 9:07

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 117     | 100  |       |       |       |
| 201     | 92.2 | 45.7  | 137.1 |       |





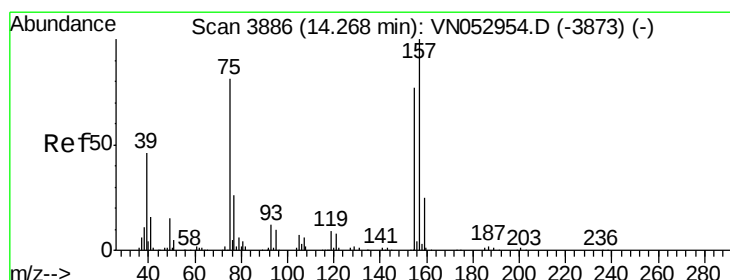
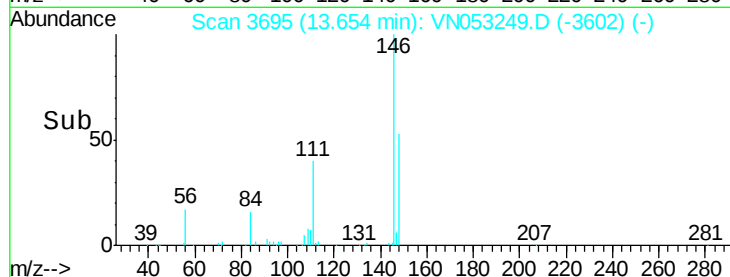
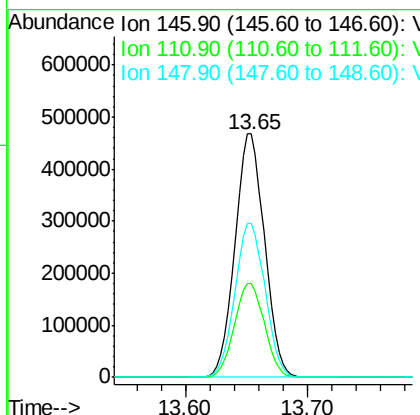
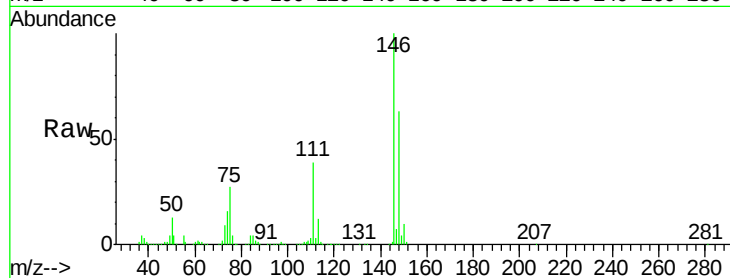
#91  
 1,2-Dichlorobenzene  
 Concen: 48.057 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.7  | 59.0  |
| 148     | 64.5  | 32.0  | 96.0  |

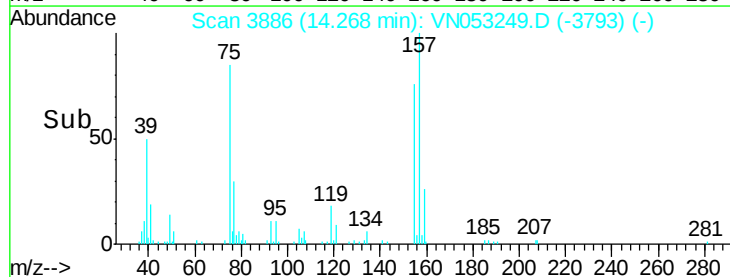
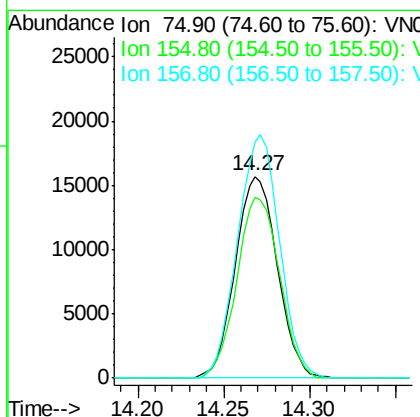
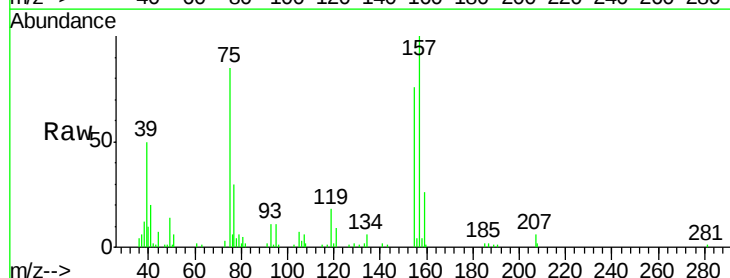
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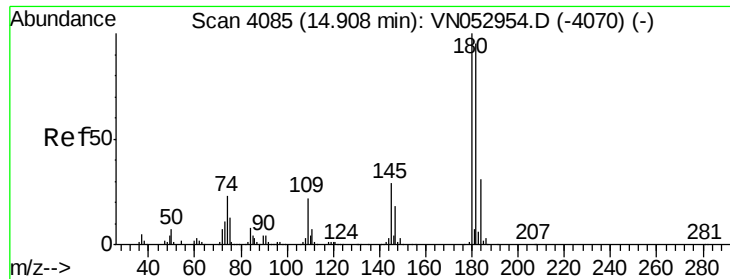
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.859 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.8  | 48.2  | 144.6 |
| 157     | 120.5 | 61.2  | 183.5 |





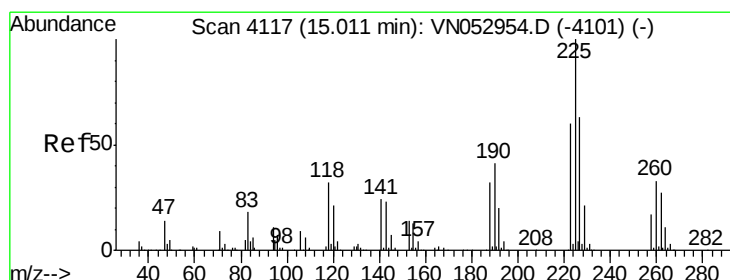
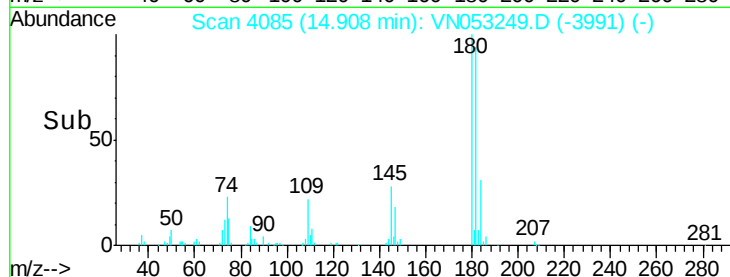
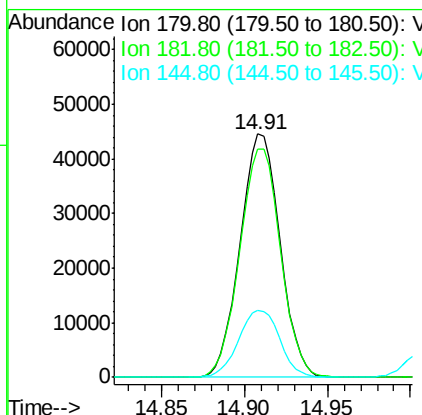
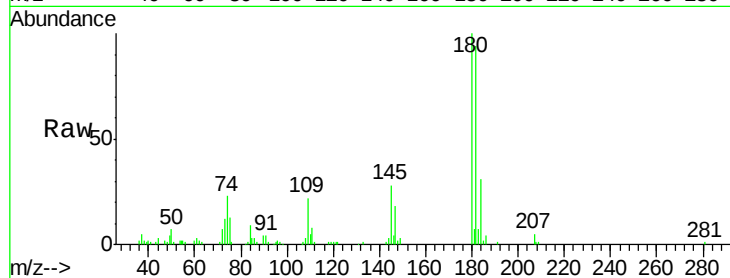
#93  
 1,2,4-Trichlorobenzene  
 Concen: 9.125 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.8  | 143.3 |
| 145     | 28.4  | 14.2  | 42.6  |

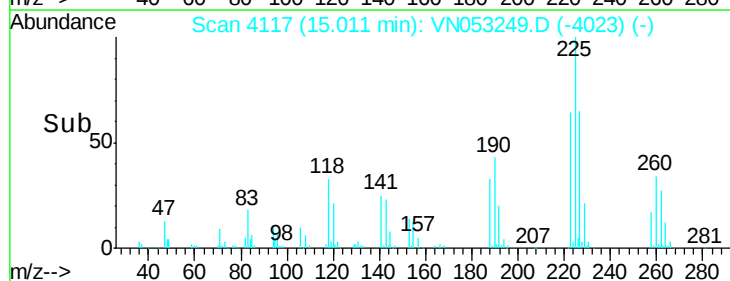
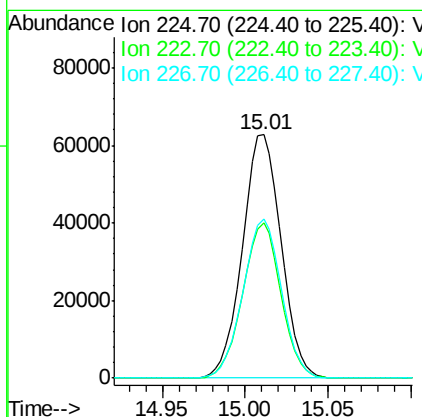
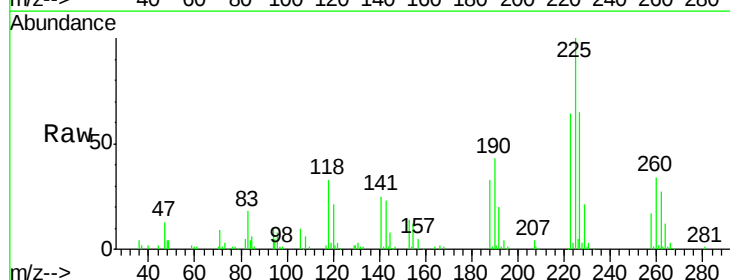
Manual Integrations  
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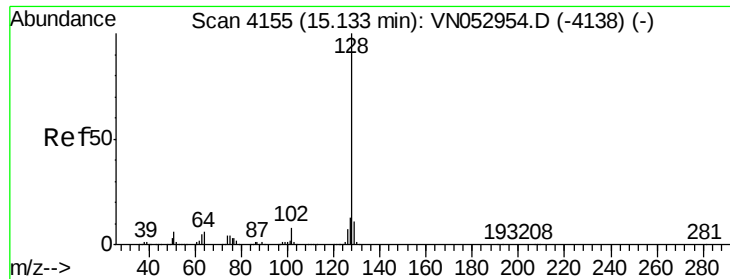
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#94  
 Hexachlorobutadiene  
 Concen: 21.221 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053249.D  
 Acq: 3 Jan 2019 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.8  | 31.5  | 94.5  |
| 227     | 64.8  | 31.9  | 95.7  |





#95

Naphthalene

Concen: 6.994 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA\_N

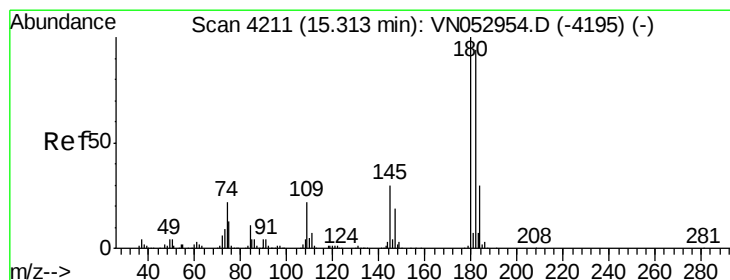
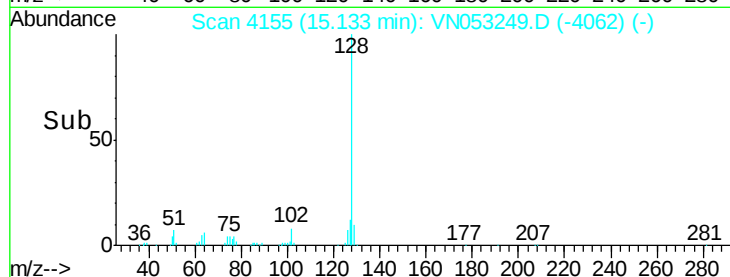
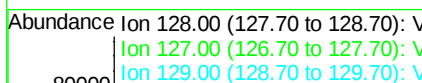
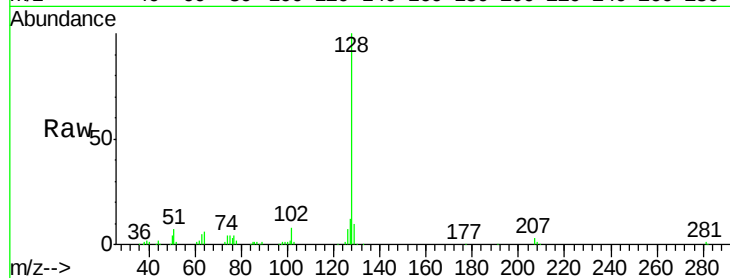
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 113172 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.2  | 10.2  | 15.4   |
| 129       | 10.2  | 8.6   | 13.0   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 5.372 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 38195 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.3  | 47.9  | 143.7 |
| 145       | 30.1  | 15.0  | 45.0  |

