

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\  
 Data File : VN055590.D  
 Acq On : 14 May 2019 13:12  
 Operator : JC/SP  
 Sample : VSTDICC100  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 5/16/2019 1:31:53 PM

Quant Time: May 15 07:11:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051419W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 15 06:47:21 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 750036   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1266154  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1126699  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 495459   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 1013069  | 90.40  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 180.80% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 807250   | 98.72  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 197.44% |      |
| 50) Toluene-d8            | 10.09  | 98  | 3215872  | 101.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 202.12% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 1101963  | 103.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 207.40% |      |

## Target Compounds

|                               |      |     |          |         |      | Qvalue |
|-------------------------------|------|-----|----------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 684223   | 89.348  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 1065072  | 86.451  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 1051974  | 89.801  | ug/l | 100    |
| 5) Bromomethane               | 2.53 | 94  | 607834   | 93.855  | ug/l | 100    |
| 6) Chloroethane               | 2.68 | 64  | 638833   | 92.777  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 1172935  | 91.176  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 528179   | 91.430  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 733689   | 89.592  | ug/l | 98     |
| 10) Methyl Iodide             | 3.94 | 142 | 1107036  | 100.569 | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.81 | 59  | 672775   | 420.237 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 772195   | 94.019  | ug/l | 98     |
| 13) Acrolein                  | 3.60 | 56  | 639724   | 554.852 | ug/l | 99     |
| 14) Allyl chloride            | 4.31 | 41  | 1518014  | 91.408  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 2178040  | 431.106 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 2126072  | 411.716 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.04 | 76  | 2257385  | 100.112 | ug/l | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 877577   | 69.548  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 2467671  | 91.463  | ug/l | 99     |
| 20) Methylene Chloride        | 4.54 | 84  | 923594   | 86.816  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 835244   | 93.654  | ug/l | 96     |
| 22) Diisopropyl ether         | 5.95 | 45  | 3072929  | 91.188  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 12415640 | 478.740 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.84 | 63  | 1650165  | 89.985  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 3059404  | 435.045 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 1072329  | 93.923  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 962980   | 93.927  | ug/l | 98     |
| 28) Bromochloromethane        | 7.19 | 49  | 810710   | 86.419  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.21 | 42  | 1935833  | 416.030 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 1533535  | 90.573  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 1592506  | 87.715  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 1220828  | 94.359  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 1218680  | 98.220  | ug/l | 100    |
| 37) Ethyl Acetate             | 6.93 | 43  | 1170922  | 88.231  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 1020892  | 97.161  | ug/l | 99     |

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 Sample : VSTDICC100  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 5/16/2019 1:31:53 PM

Quant Time: May 15 07:11:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051419W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 15 06:47:21 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 1440257  | 95.268   | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 3724190  | 96.820   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 555159   | 90.365   | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 1210673  | 89.913   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 1904932  | 94.779   | ug/l # | 90       |
| 44) Trichloroethene            | 8.83  | 130  | 891593   | 96.740   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 1023830  | 93.231   | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 598169   | 94.044   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 1200774  | 98.271   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 929456   | 95.692   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 341113   | 1813.742 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 5926395  | 450.492  | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 2210338  | 100.393  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 1288359  | 110.301  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 1495407  | 106.795  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 856365   | 96.209   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 1358028  | 103.631  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 1519998  | 96.518   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 1983026  | 549.066  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 4111448  | 446.314  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 855188   | 105.601  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 860144   | 100.864  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 816372   | 88.617   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 2275069  | 98.343   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 799674   | 100.086  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 4224987  | 97.748   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 3101682  | 199.398  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 1502840  | 98.435   | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 2593867  | 106.309  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 582849   | 108.925  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 3969893  | 81.992   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 1620268  | 88.242   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 1211432  | 77.184   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 1078718m | 81.346   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 942669   | 86.367   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 4593897  | 86.930   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 2743036  | 83.412   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 3388790  | 86.125   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 332262   | 92.863   | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 2765925  | 88.948   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 2766474  | 82.119   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 3346534  | 92.767   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 3741966  | 83.689   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 3300037  | 90.703   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1631749  | 97.107   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1590679  | 95.807   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 2816734  | 100.879  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 532615   | 89.622   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1586024  | 94.321   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 199400   | 89.561   | ug/l   | 99       |

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Sample : VSTDICC100  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

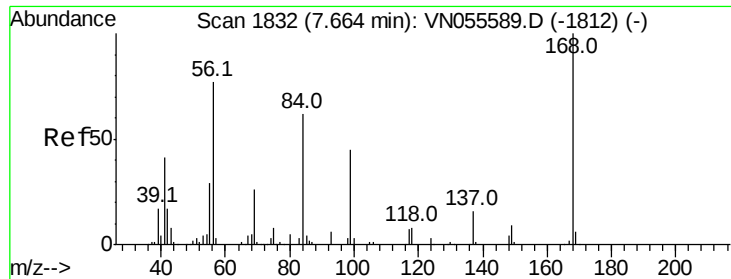
MMDadoda  
5/16/2019 1:31:53 PM

Quant Time: May 15 07:11:58 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051419W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 15 06:47:21 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|-------|------|----------|---------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 739834   | 130.092 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 455595   | 75.643  | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 1967062  | 118.371 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 777251   | 116.573 | 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: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 750036

Ion Ratio Lower Upper

168 100

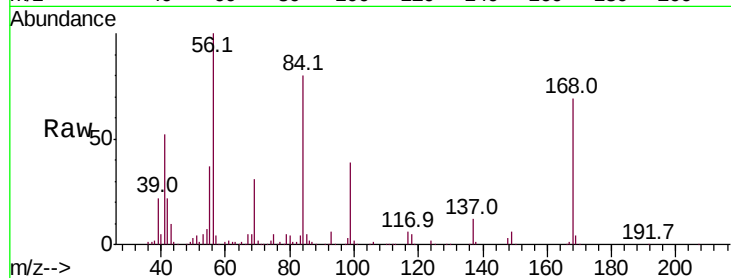
99 55.3 44.6 66.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

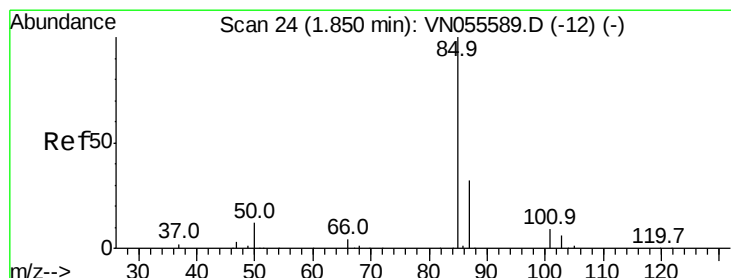
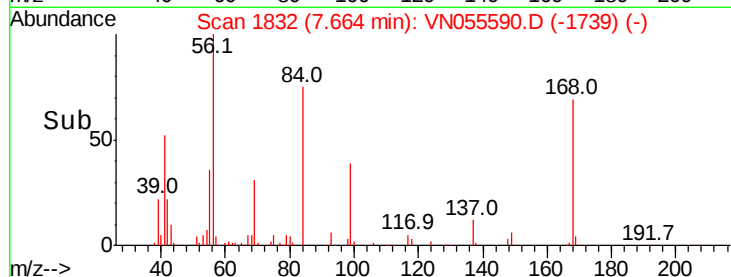
200000

100000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 89.348 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055590.D

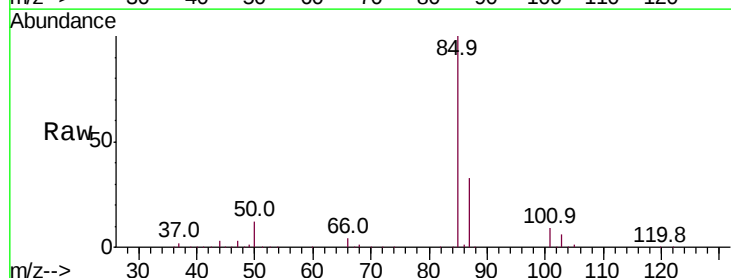
Acq: 14 May 2019 13:12

Tgt Ion: 85 Resp: 684223

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

500000

400000

300000

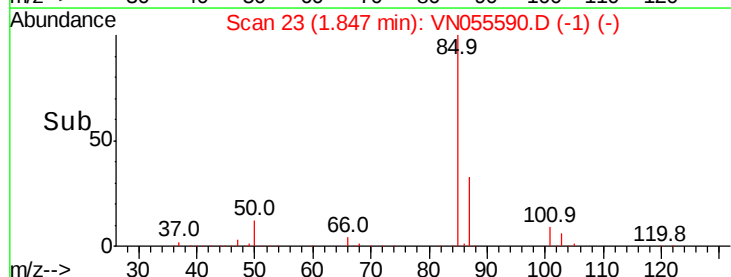
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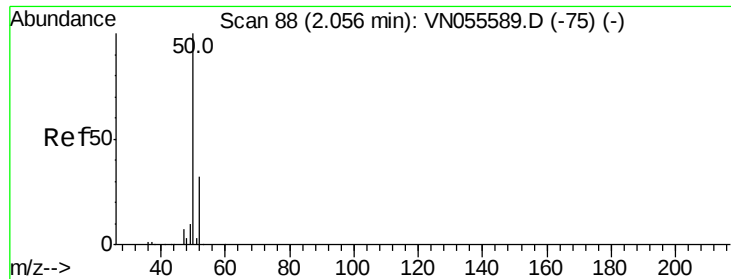
100000

0

Time-->

1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 86.451 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1065072

Ion Ratio Lower Upper

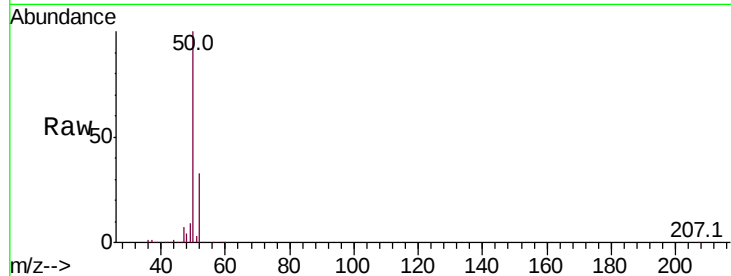
50 100

52 32.6 25.5 38.3

Manual Integrations  
APPROVED

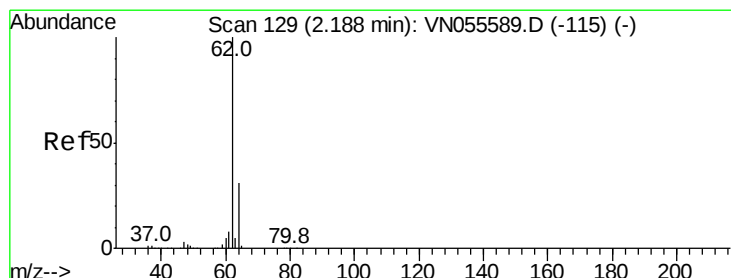
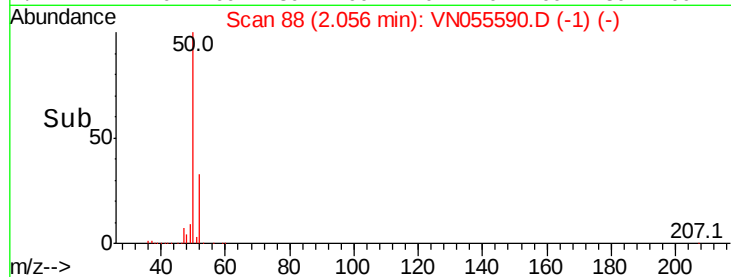
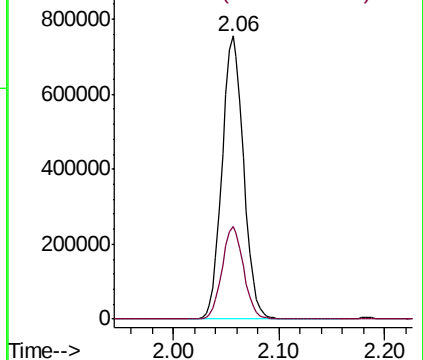
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 89.801 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055590.D

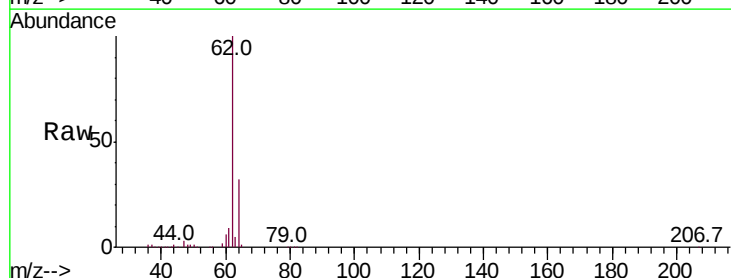
Acq: 14 May 2019 13:12

Tgt Ion: 62 Resp: 1051974

Ion Ratio Lower Upper

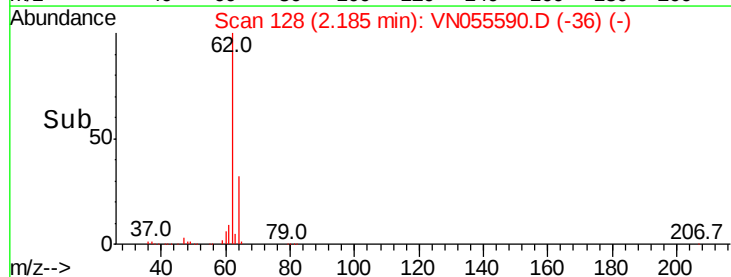
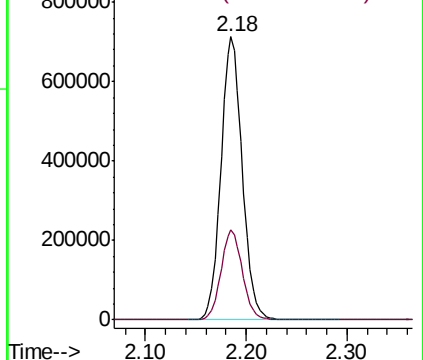
62 100

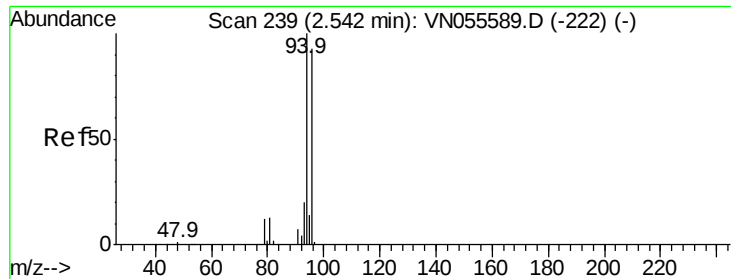
64 31.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 93.855 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 607834

Ion Ratio Lower Upper

94 100

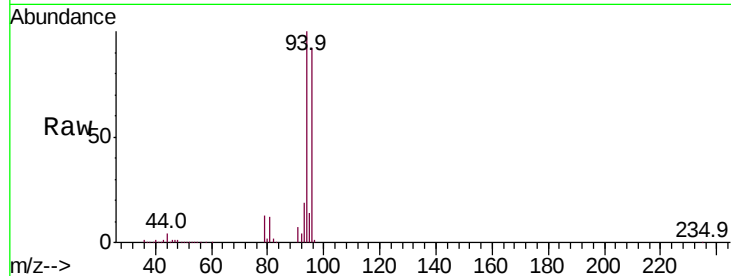
96 92.0 74.0 111.0

Manual Integrations

APPROVED

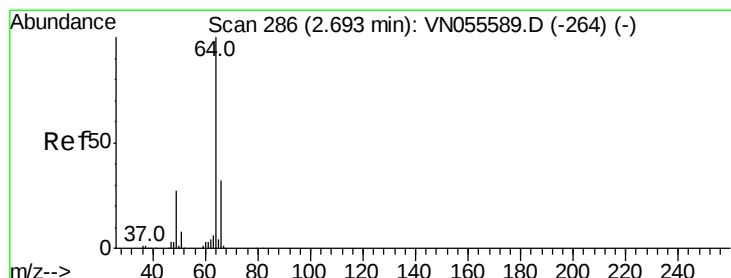
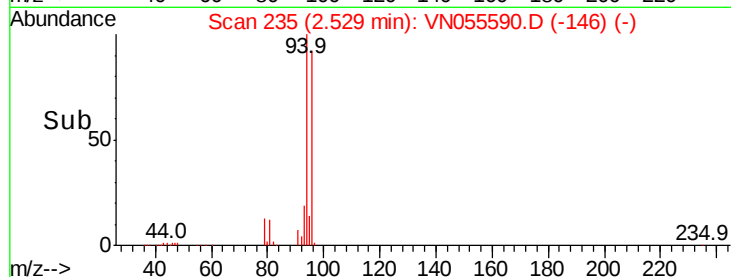
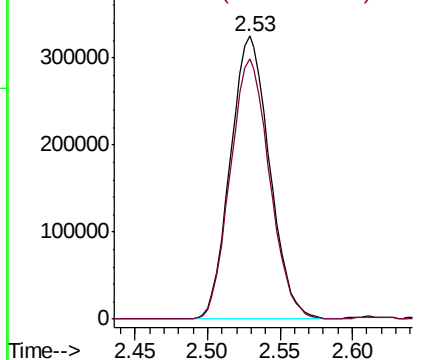
MMDadoda

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 92.777 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN055590.D

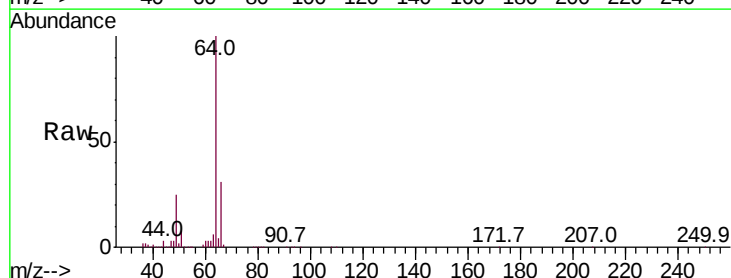
Acq: 14 May 2019 13:12

Tgt Ion: 64 Resp: 638833

Ion Ratio Lower Upper

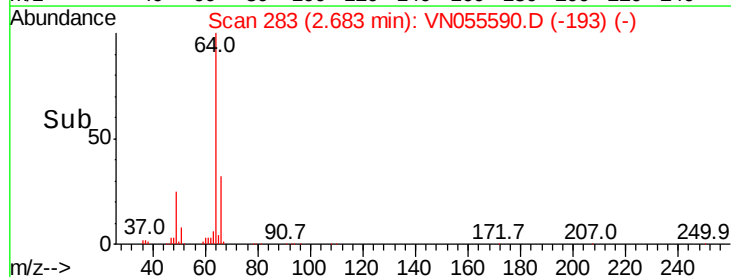
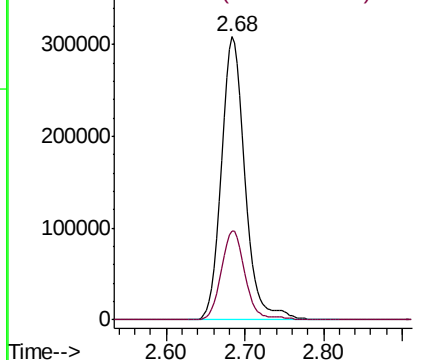
64 100

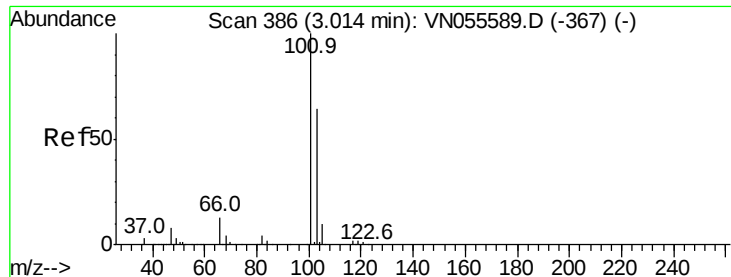
66 31.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

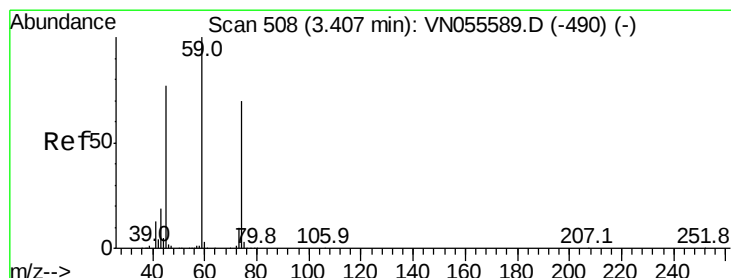
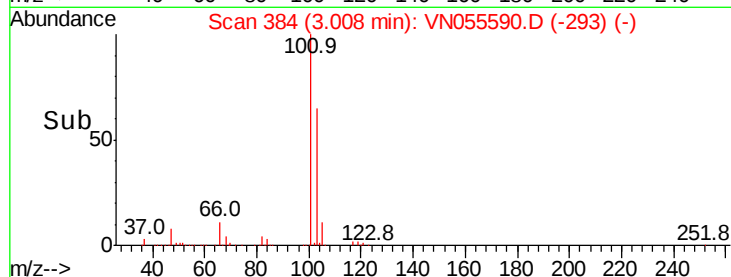
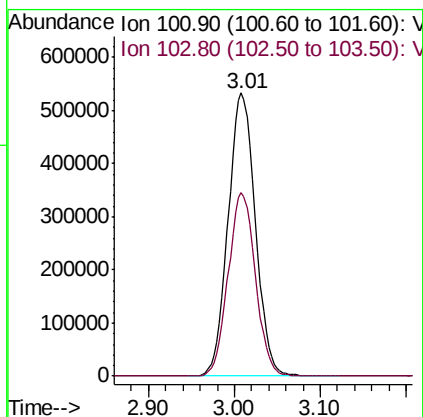
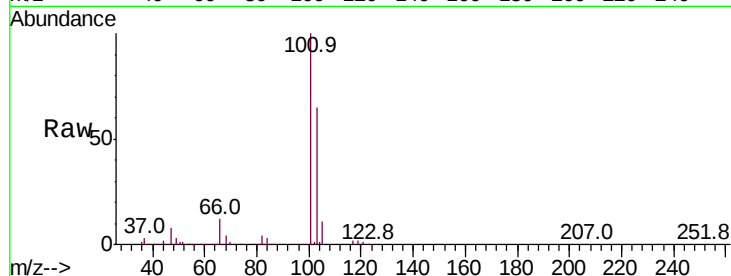
Trichlorofluoromethane  
 Concen: 91.176 ug/l  
 RT: 3.01 min Scan# 384  
 Delta R.T. -0.01 min  
 Lab File: VN055590.D  
 Acq: 14 May 2019 13:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

Tot Ion:101 Resp: 1172935  
 Ion Ratio Lower Upper  
 101 100  
 103 64.9 51.0 76.6

Manual Integrations  
 APPROVED

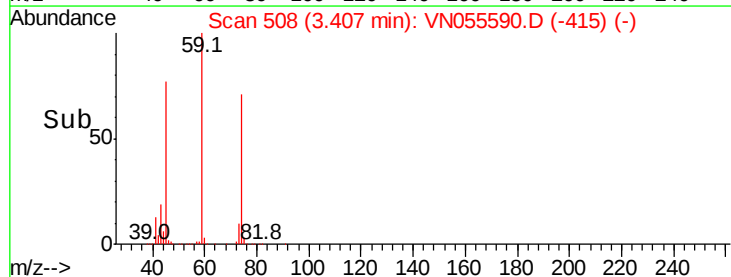
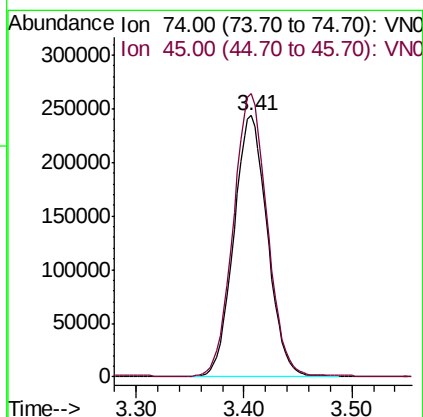
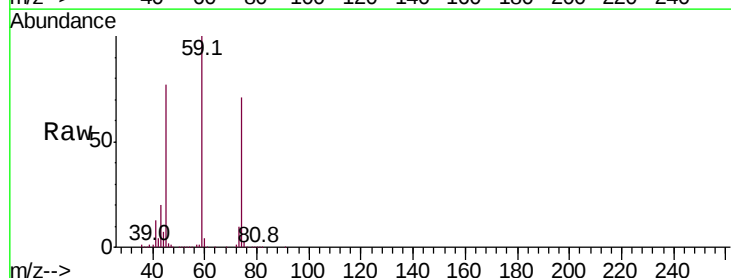
MMDadoda  
 5/16/2019 1:31:53 PM

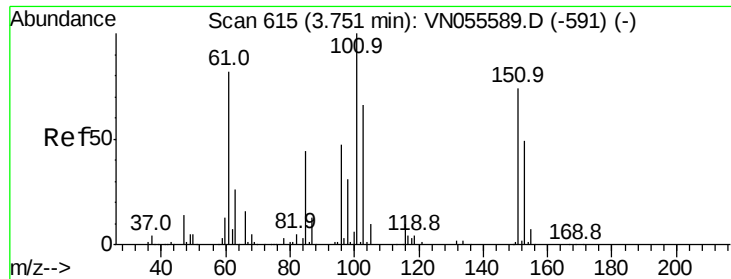


#8

Diethyl Ether  
 Concen: 91.430 ug/l  
 RT: 3.41 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: VN055590.D  
 Acq: 14 May 2019 13:12

Tgt Ion: 74 Resp: 528179  
 Ion Ratio Lower Upper  
 74 100  
 45 109.0 54.9 164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.592 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

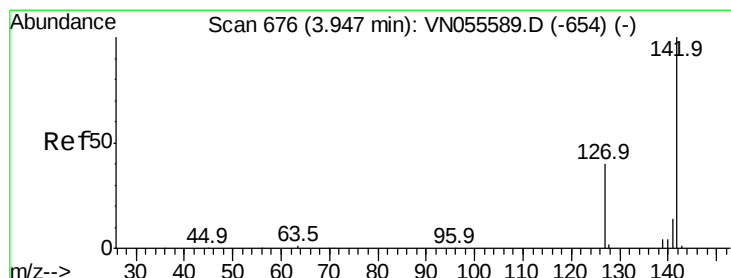
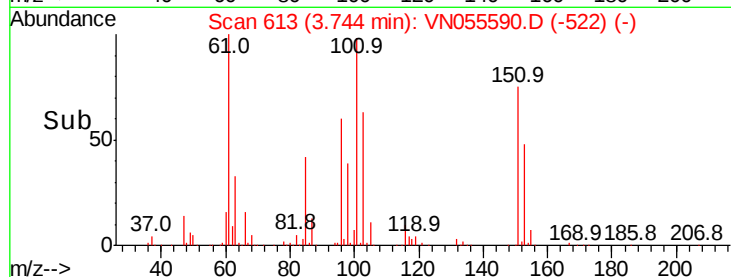
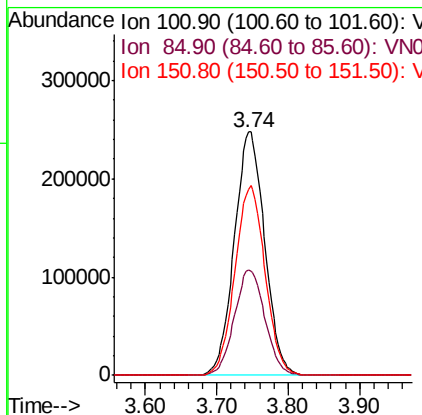
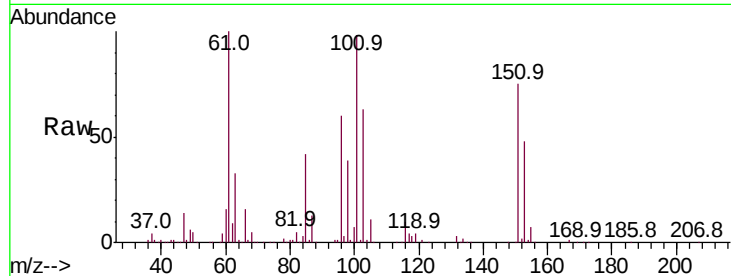
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 733689 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.7  | 34.2  | 51.2   |
| 151       | 77.4  | 60.2  | 90.2   |

Manual Integrations  
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#10

Methyl Iodide

Concen: 100.569 ug/l

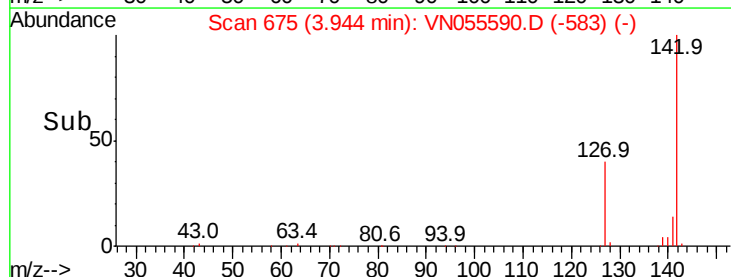
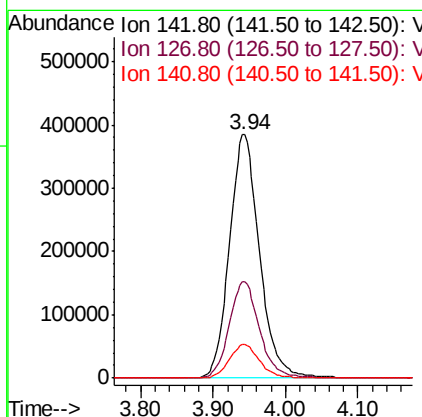
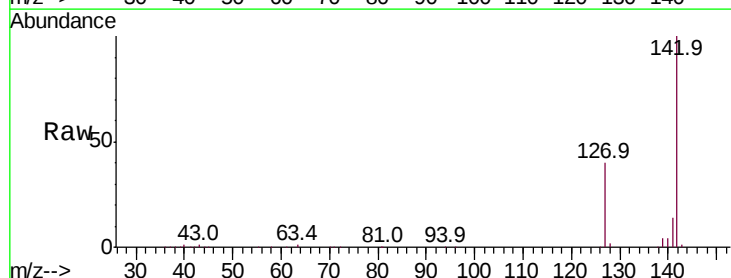
RT: 3.94 min Scan# 675

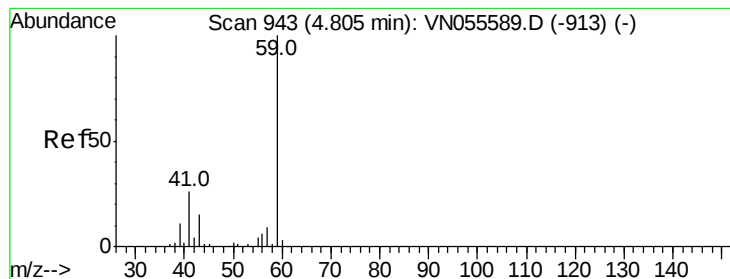
Delta R.T. -0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 142   | Resp: | 1107036 |
| Ion Ratio | Lower | Upper |         |
| 142       | 100   |       |         |
| 127       | 40.0  | 32.5  | 48.7    |
| 141       | 13.9  | 11.2  | 16.8    |





#11

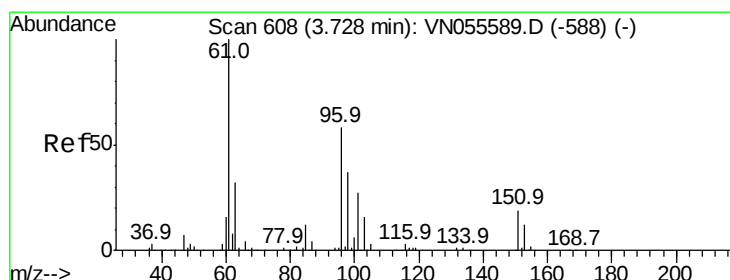
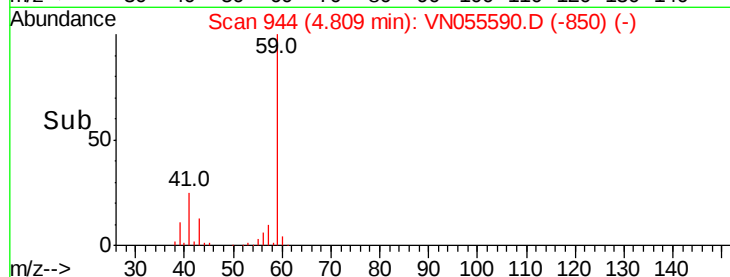
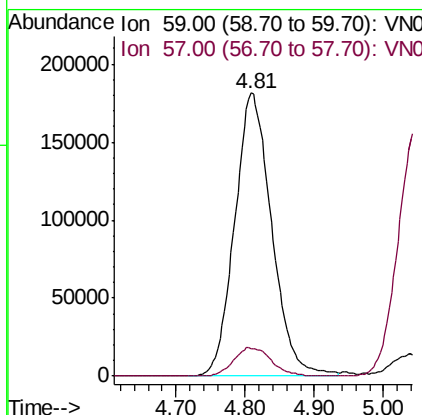
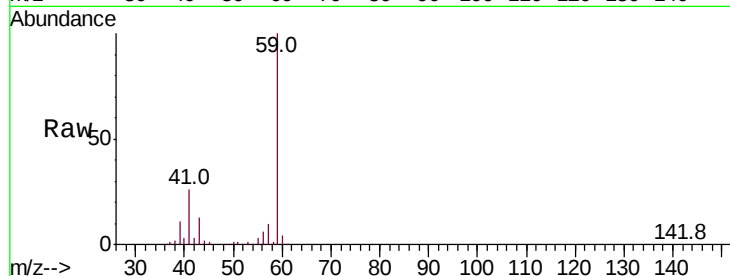
Tert butyl alcohol  
 Concen: 420.237 ug/l  
 RT: 4.81 min Scan# 944  
 Delta R.T. 0.00 min  
 Lab File: VN055590.D  
 Acq: 14 May 2019 13:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.4  | 7.6   | 11.4  |

Manual Integrations  
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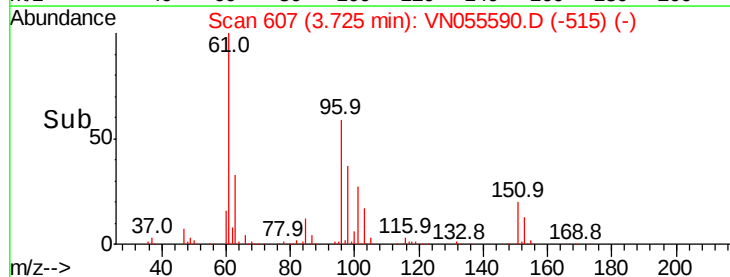
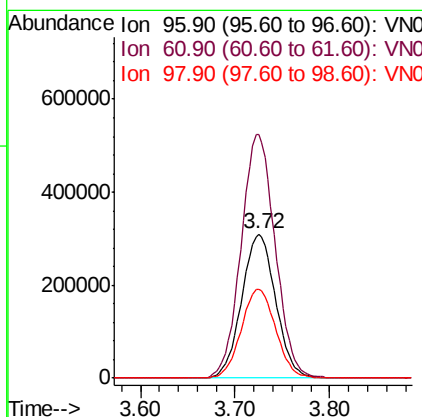
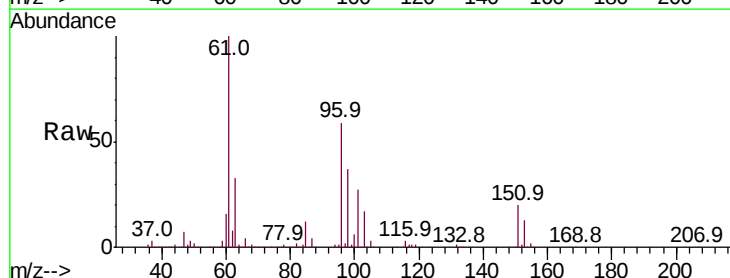
MMDadoda  
 5/16/2019 1:31:53 PM

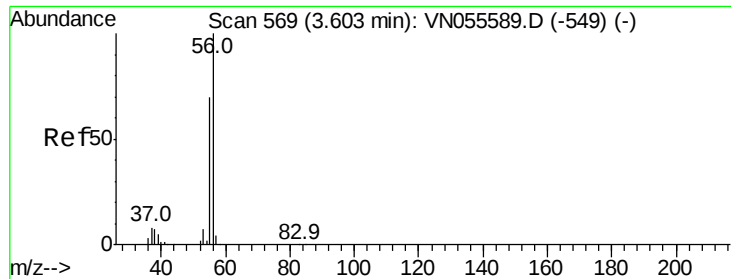


#12

1,1-Dichloroethene  
 Concen: 94.019 ug/l  
 RT: 3.72 min Scan# 607  
 Delta R.T. -0.00 min  
 Lab File: VN055590.D  
 Acq: 14 May 2019 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 168.8 | 137.5 | 206.3 |
| 98      | 61.9  | 50.3  | 75.5  |





#13

Acrolein

Concen: 554.852 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 639724

Ion Ratio Lower Upper

56 100

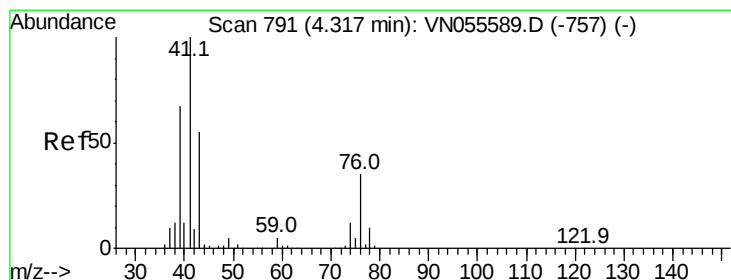
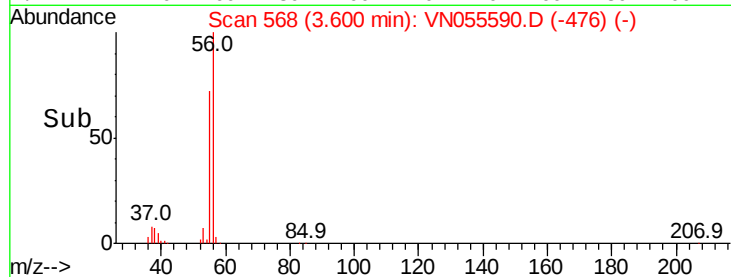
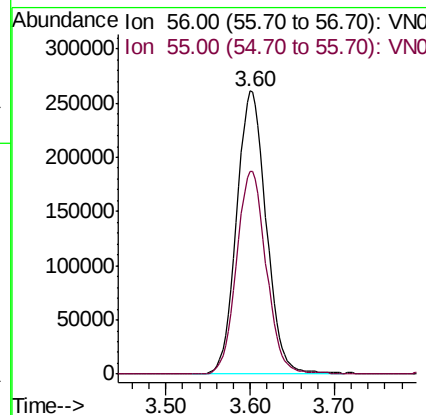
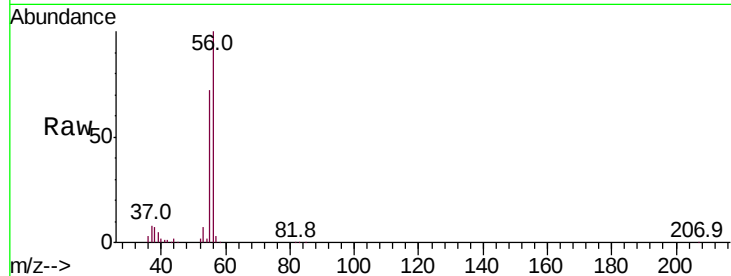
55 71.9 57.1 85.7

Manual Integrations

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MMDadoda

5/16/2019 1:31:53 PM



#14

Allyl chloride

Concen: 91.408 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

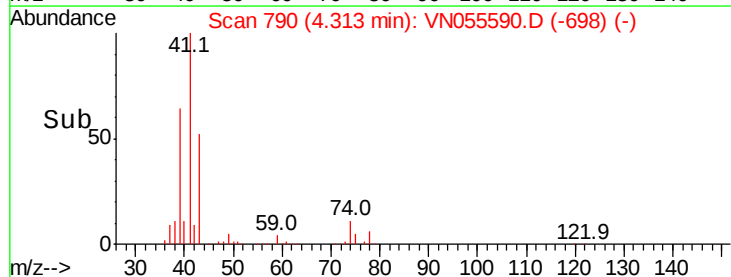
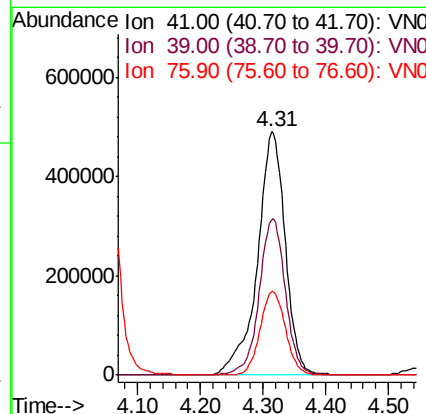
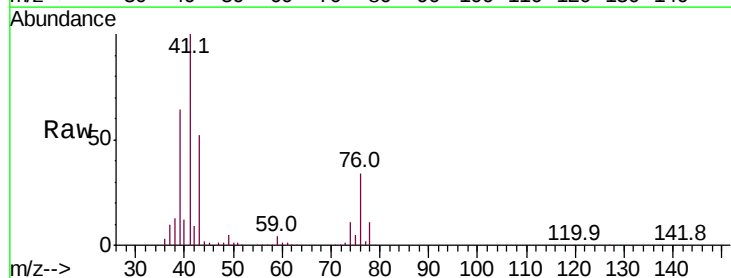
Tgt Ion: 41 Resp: 1518014

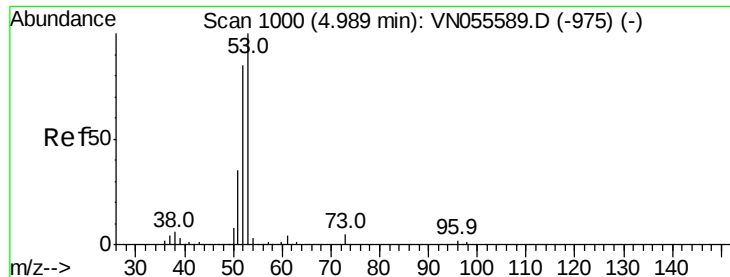
Ion Ratio Lower Upper

41 100

39 60.5 49.3 73.9

76 31.2 24.7 37.1





#15

Acrylonitrile

Concen: 431.106 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 2178040

Ion Ratio Lower Upper

53 100

52 82.6 65.6 98.4

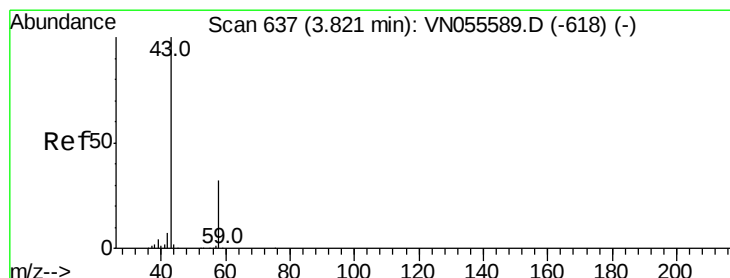
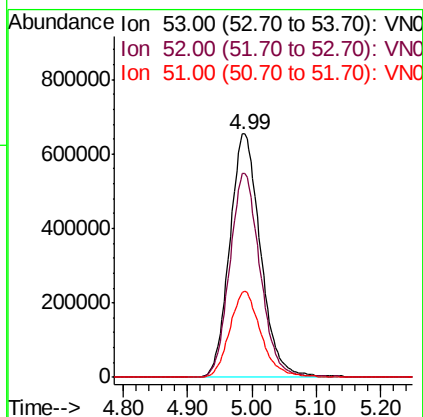
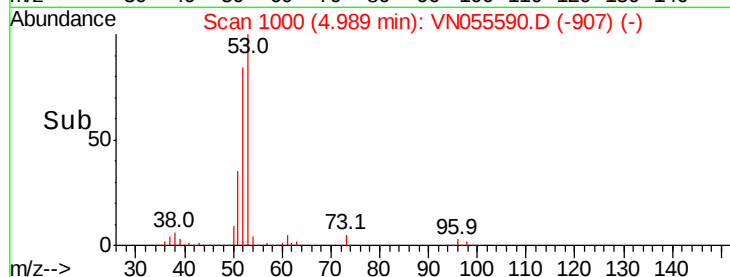
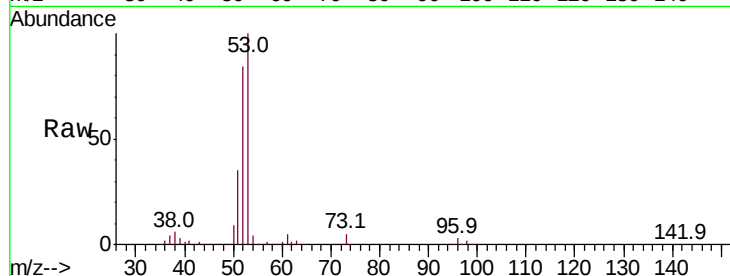
51 35.9 28.3 42.5

Manual Integrations

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5/16/2019 1:31:53 PM



#16

Acetone

Concen: 411.716 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055590.D

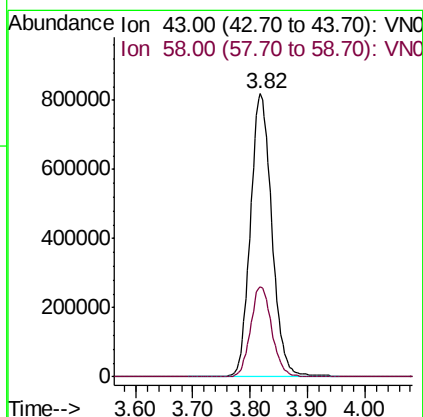
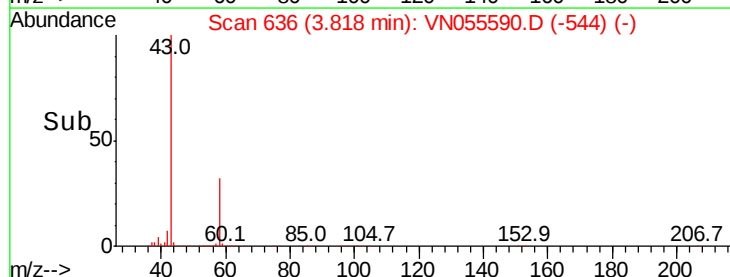
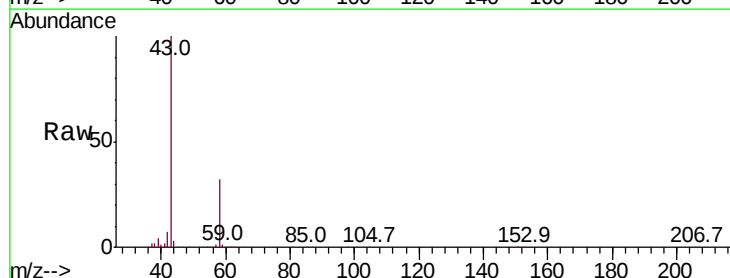
Acq: 14 May 2019 13:12

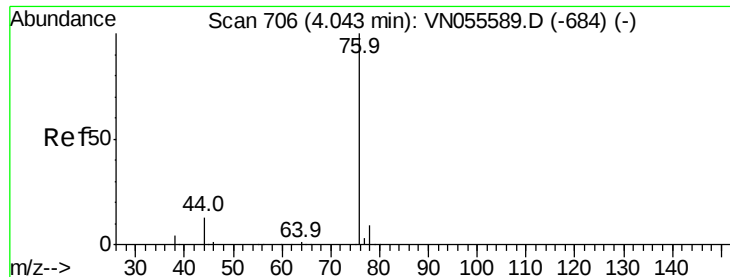
Tgt Ion: 43 Resp: 2126072

Ion Ratio Lower Upper

43 100

58 32.0 25.7 38.5





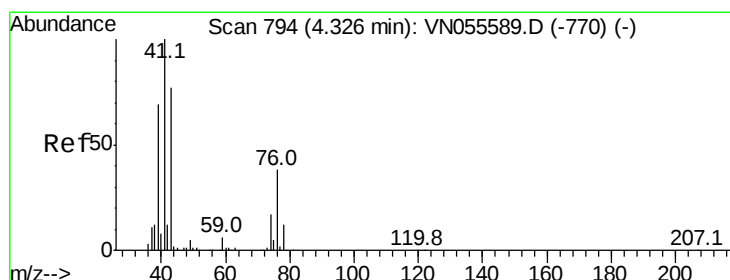
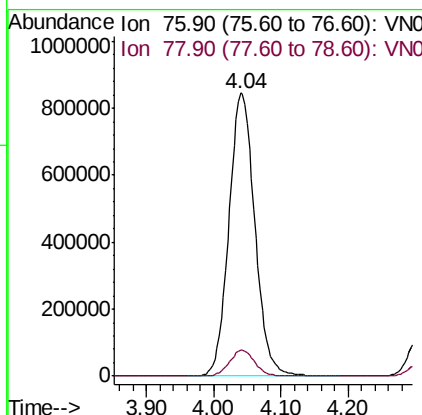
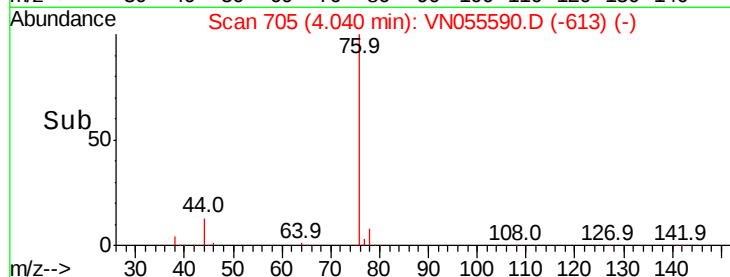
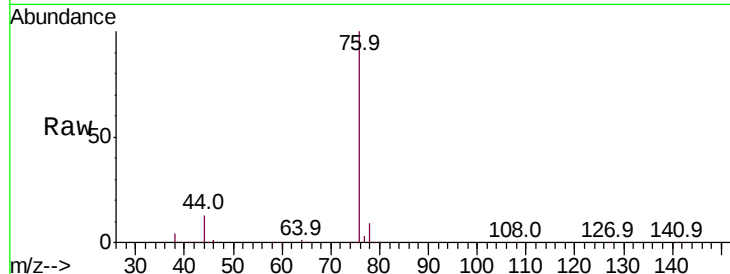
#17  
Carbon Disulfide  
Concen: 100.112 ug/l  
RT: 4.04 min Scan# 705  
Delta R.T. -0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Tot Ion: 76 Resp: 2257385  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0

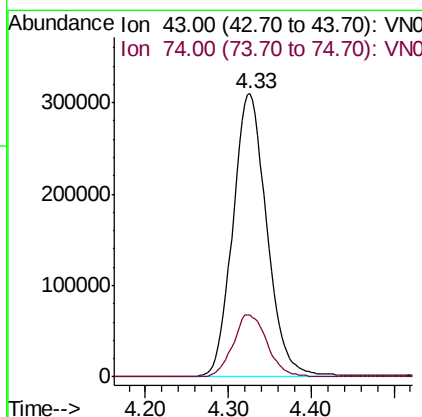
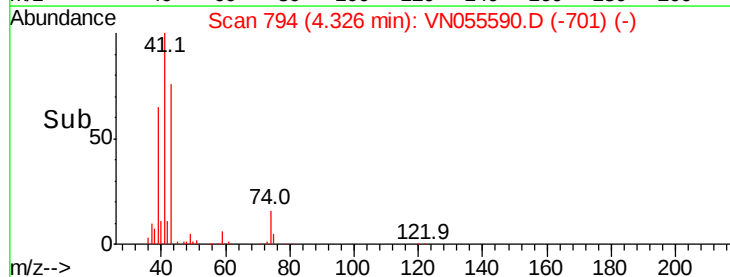
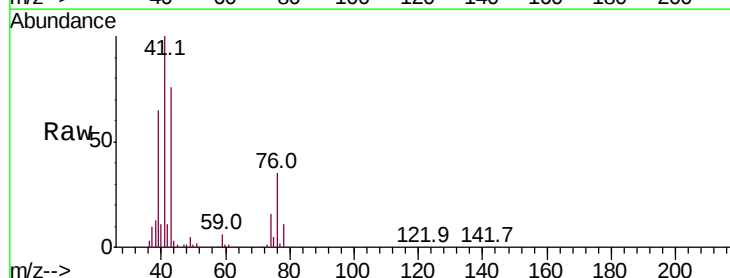
Manual Integrations  
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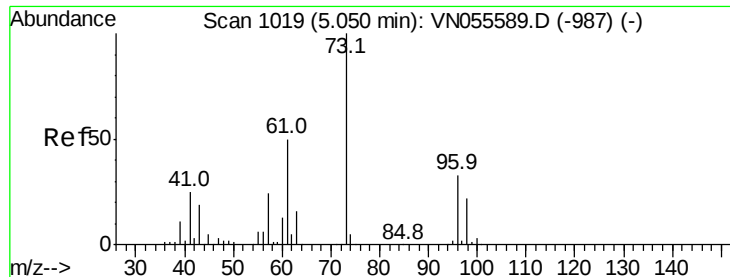
MMDadoda  
5/16/2019 1:31:53 PM



#18  
Methyl Acetate  
Concen: 69.548 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion: 43 Resp: 877577  
Ion Ratio Lower Upper  
43 100  
74 22.2 17.4 26.2





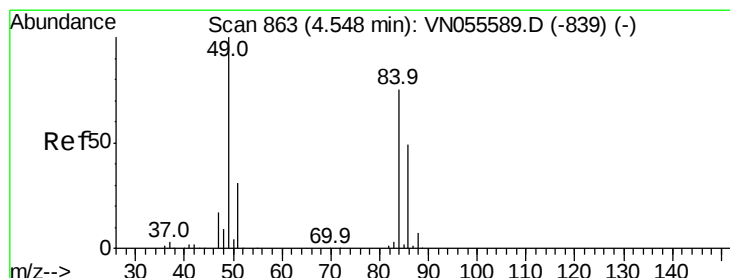
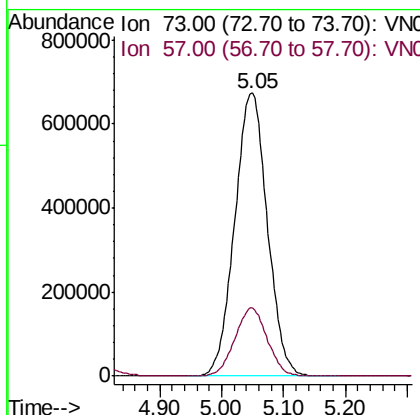
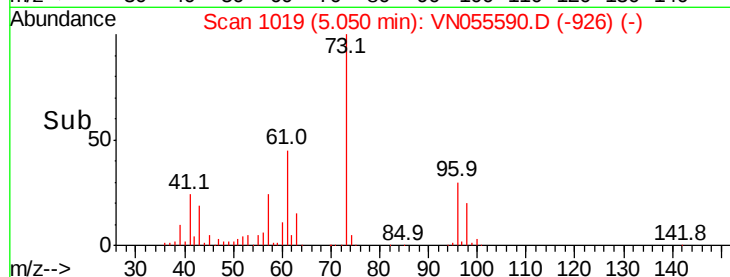
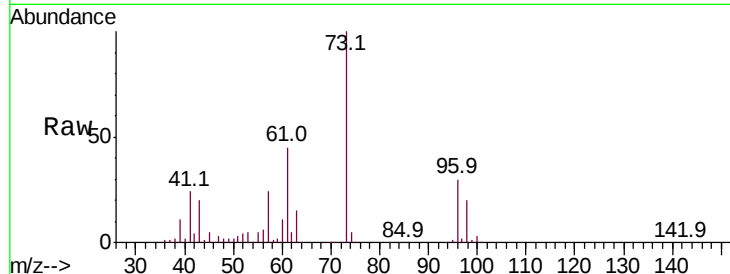
#19  
Methyl tert-butyl Ether  
Concen: 91.463 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion: 73 Resp: 2467671  
Ion Ratio Lower Upper  
73 100  
57 24.0 18.9 28.3

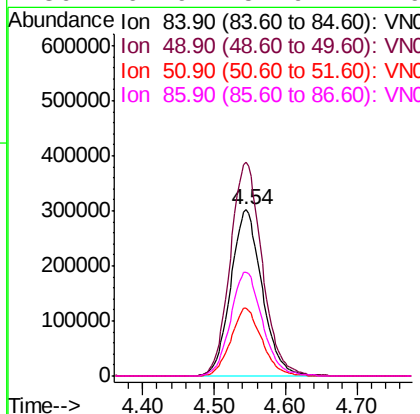
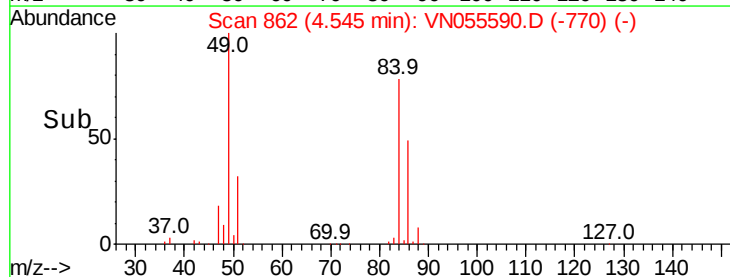
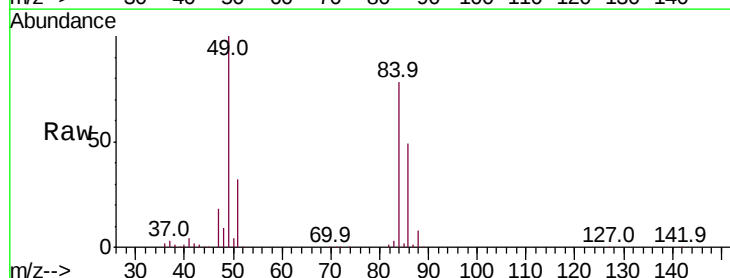
Manual Integrations  
APPROVED

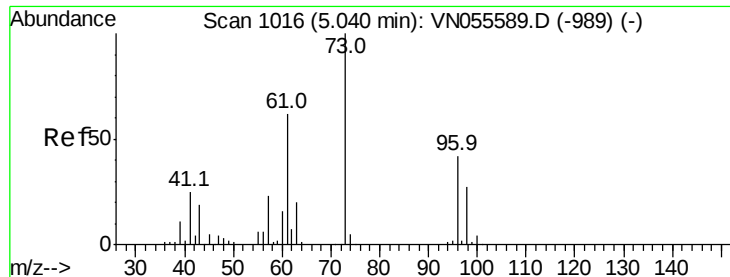
MMDadoda  
5/16/2019 1:31:53 PM



#20  
Methylene Chloride  
Concen: 86.816 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion: 84 Resp: 923594  
Ion Ratio Lower Upper  
84 100  
49 128.7 106.2 159.2  
51 40.6 32.7 49.1  
86 62.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 93.654 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 835244

Ion Ratio Lower Upper

96 100

61 153.7 117.8 176.6

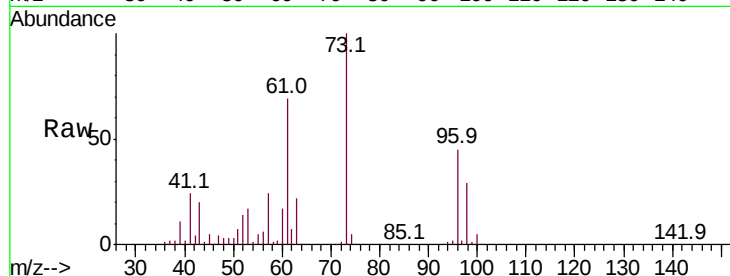
98 64.7 51.4 77.2

Manual Integrations

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MMDadoda

5/16/2019 1:31:53 PM

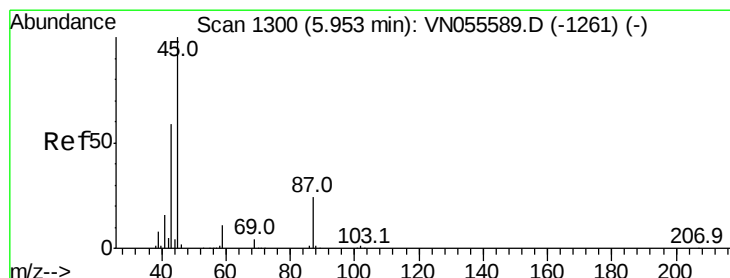
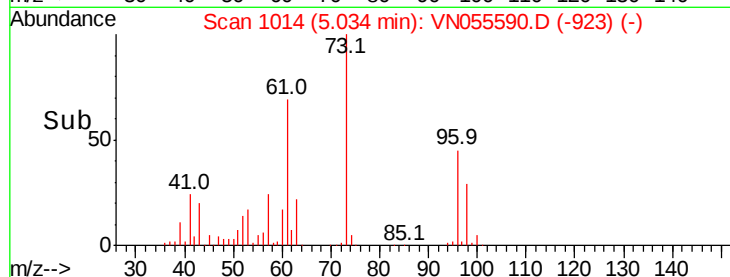
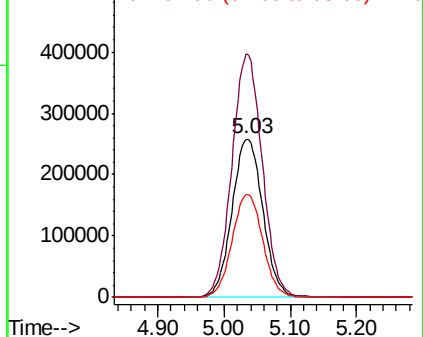


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 91.188 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Tgt Ion: 45 Resp: 3072929

Ion Ratio Lower Upper

45 100

43 57.1 47.1 70.7

87 24.5 19.5 29.3

59 11.4 9.0 13.4

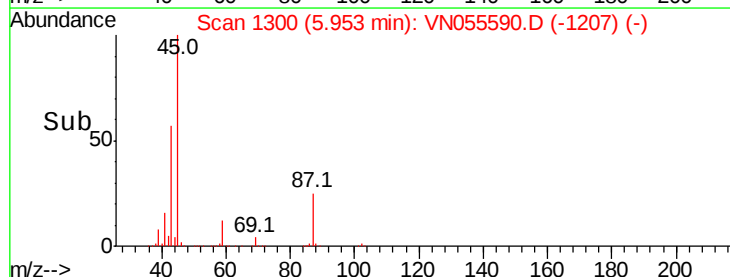
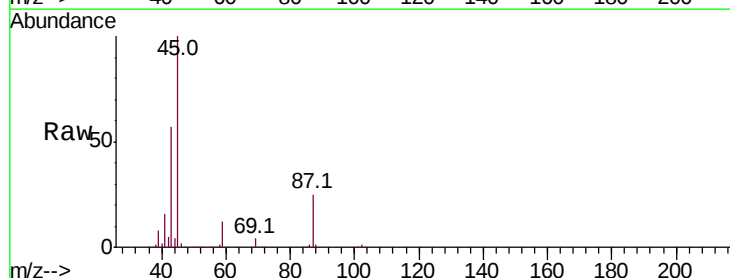
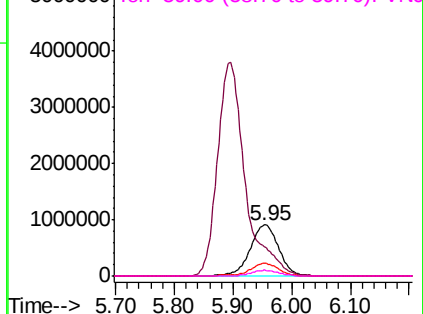
Abundance

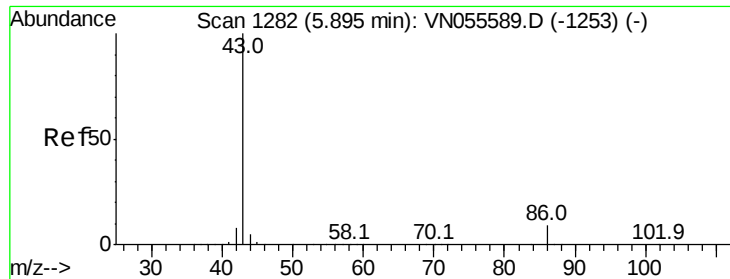
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 478.740 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 12415640

Ion Ratio Lower Upper

43 100

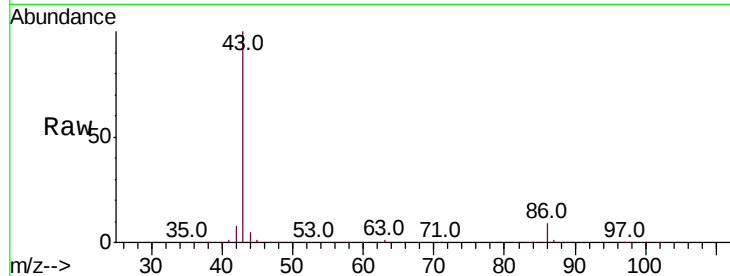
86 9.2 7.4 11.0

Manual Integrations

APPROVED

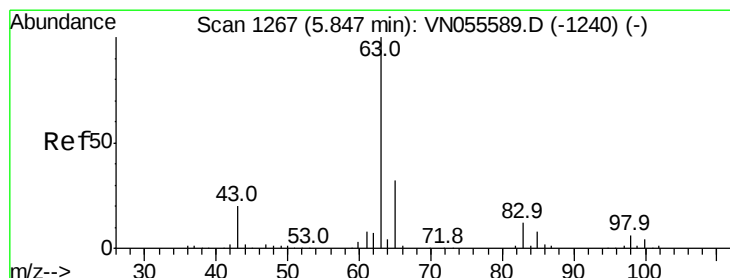
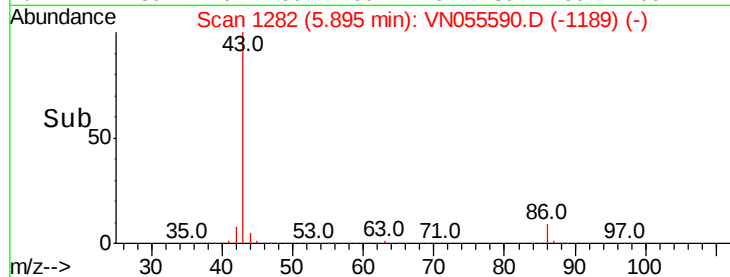
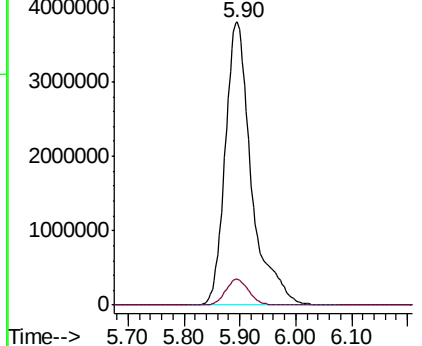
MMDadoda

5/16/2019 1:31:53 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: 89.985 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

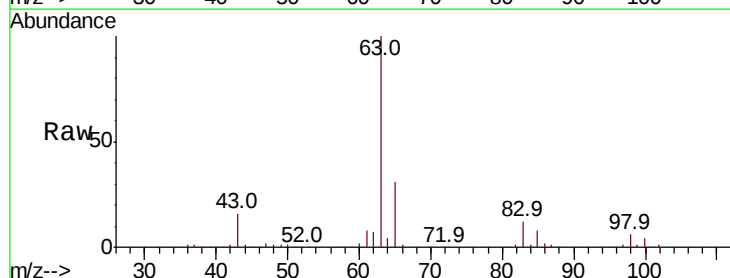
Tgt Ion: 63 Resp: 1650165

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

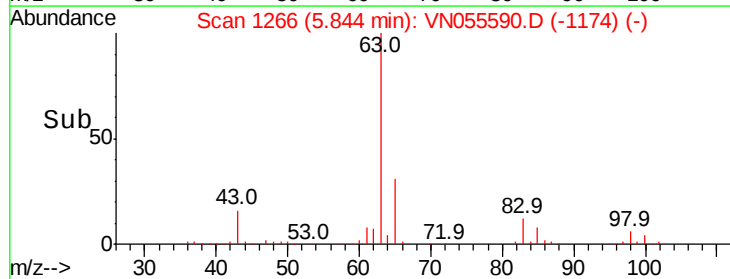
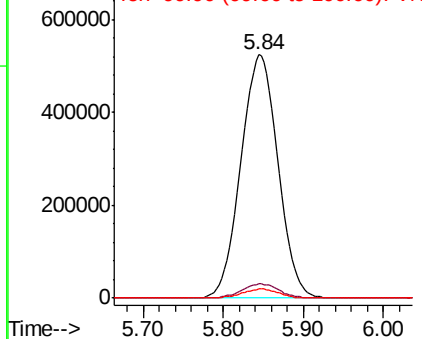
100 3.7 2.1 6.3

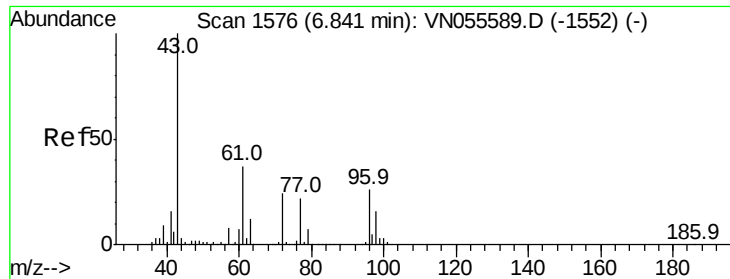


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 435.045 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3059404

Ion Ratio Lower Upper

43 100

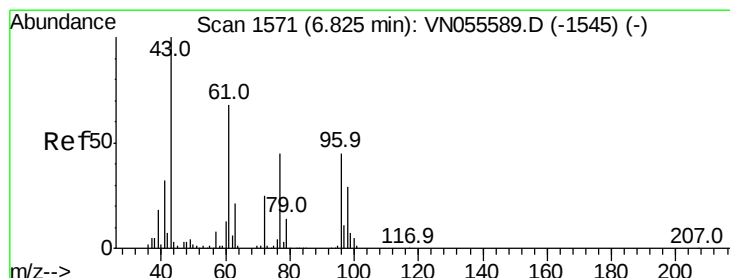
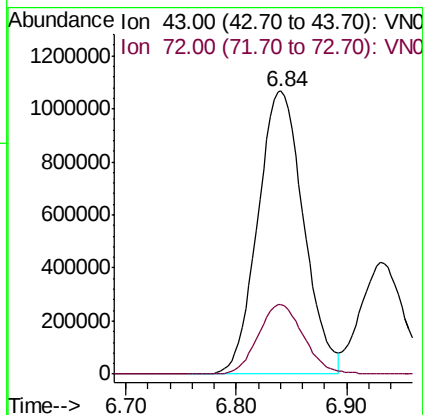
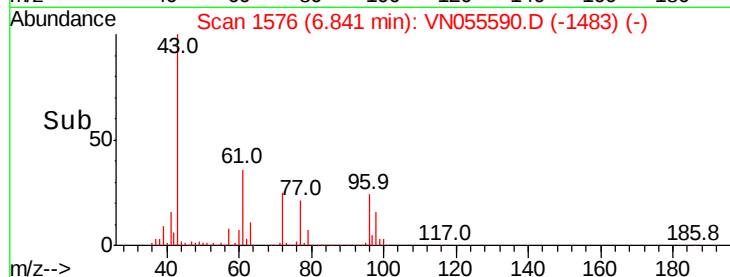
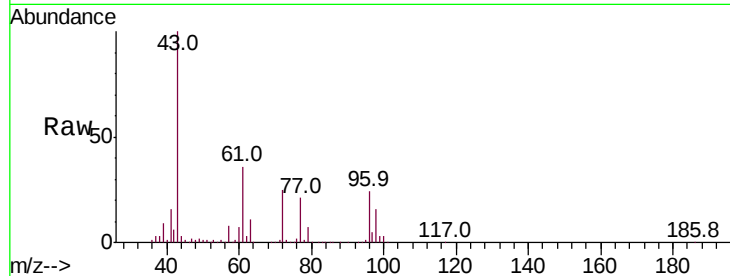
72 24.8 19.5 29.3

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5/16/2019 1:31:53 PM



#26

2,2-Dichloropropane

Concen: 93.923 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055590.D

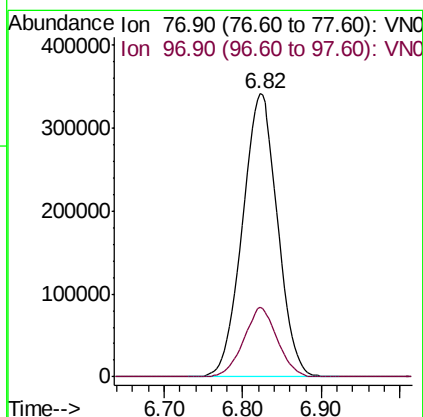
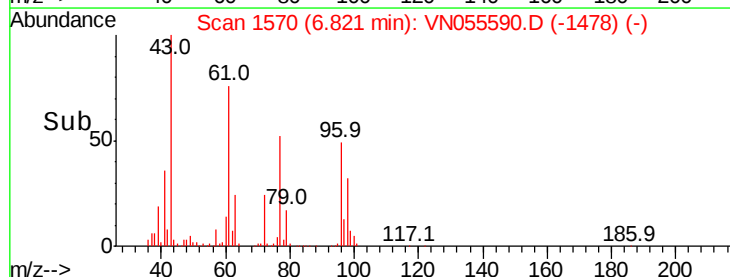
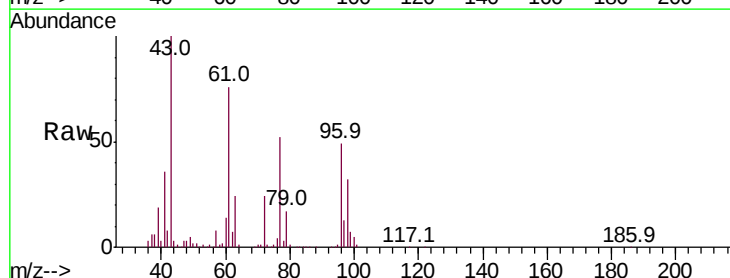
Acq: 14 May 2019 13:12

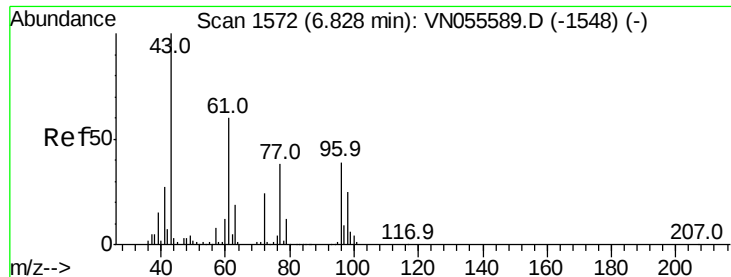
Tgt Ion: 77 Resp: 1072329

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 93.927 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

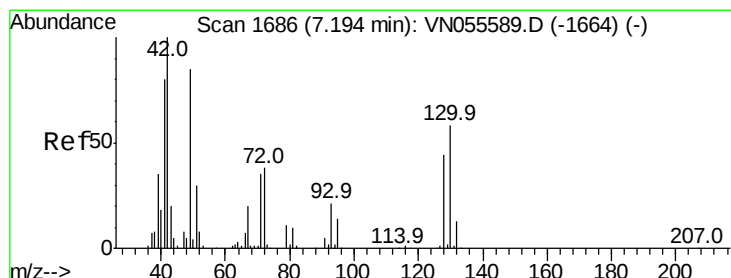
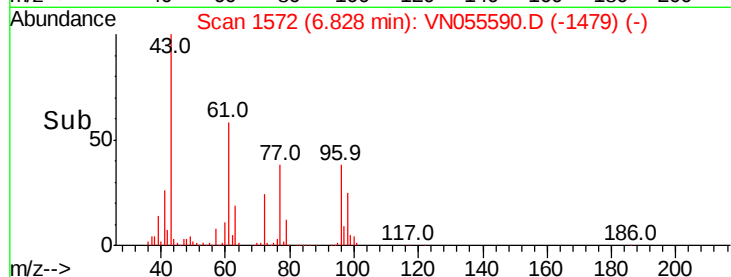
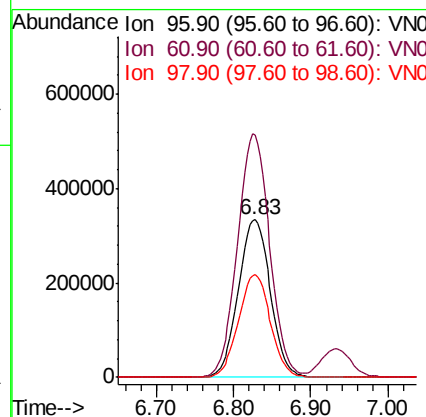
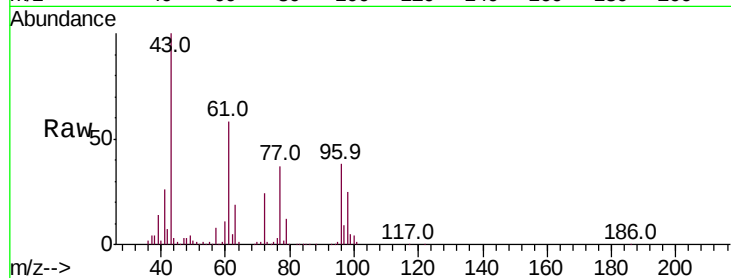
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 962980 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 154.7 | 0.0   | 305.0  |
| 98       | 64.9  | 0.0   | 128.2  |

Manual Integrations  
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#28

Bromochloromethane

Concen: 86.419 ug/l

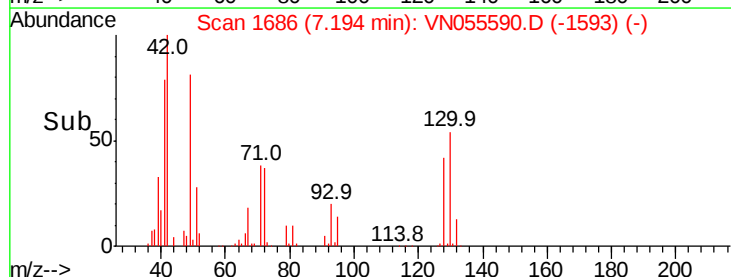
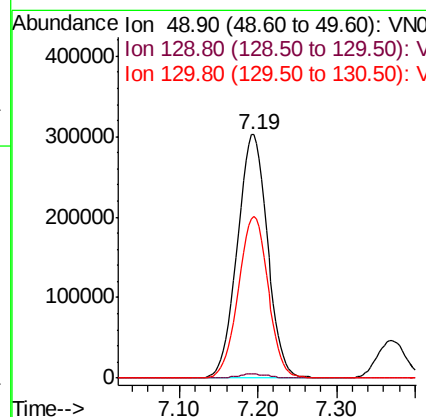
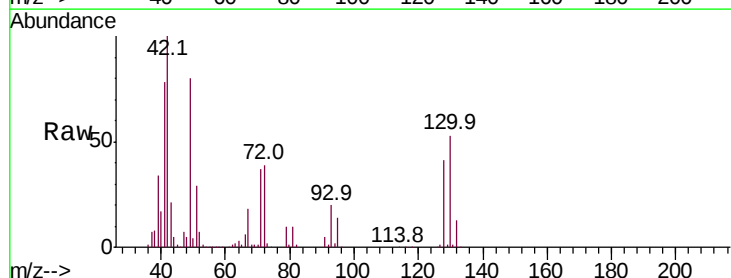
RT: 7.19 min Scan# 1686

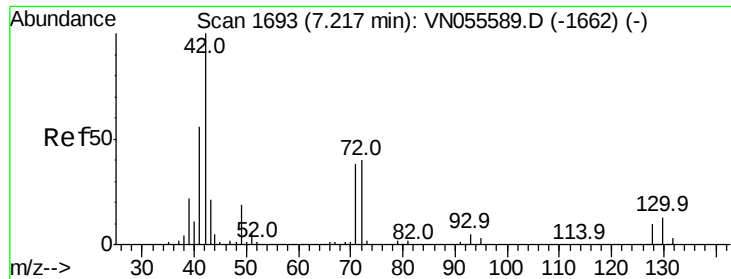
Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 810710 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 1.7   | 0.0   | 3.6    |
| 130      | 65.9  | 52.4  | 78.6   |





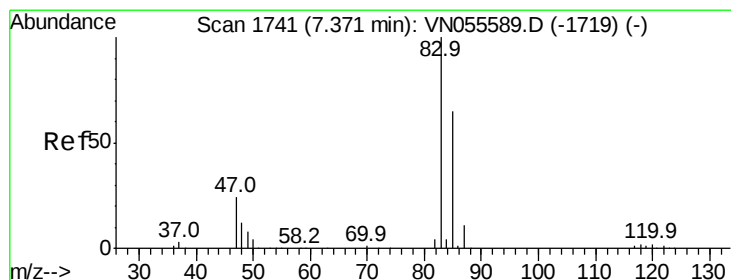
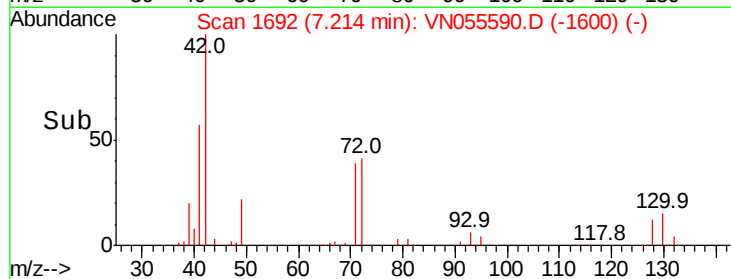
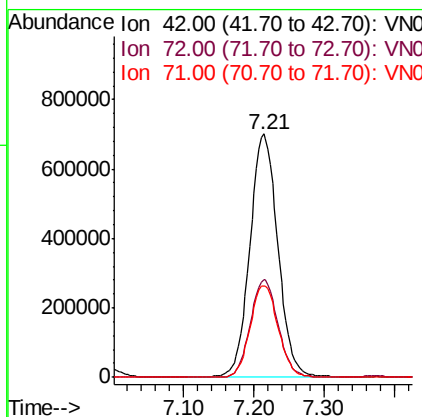
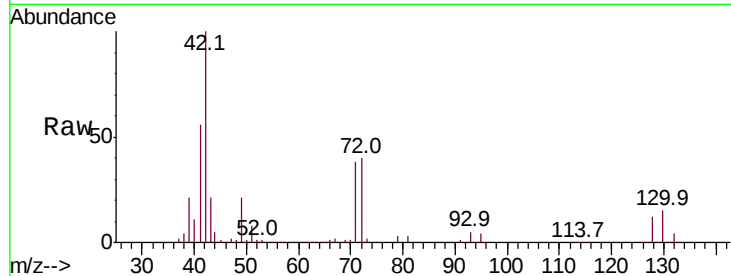
#29  
Tetrahydrofuran  
Concen: 416.030 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. -0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.8  | 31.4  | 47.2  |
| 71      | 38.0  | 29.9  | 44.9  |

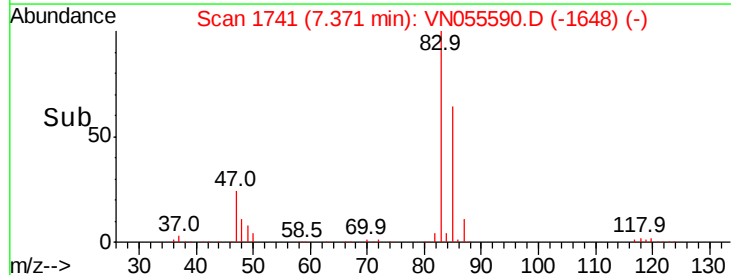
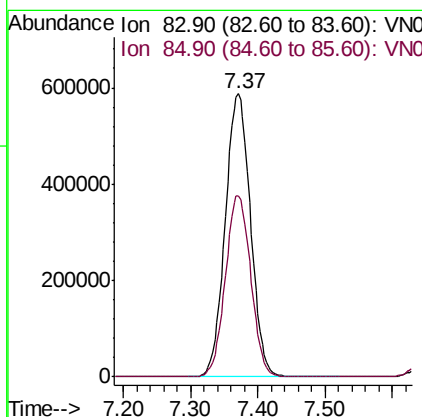
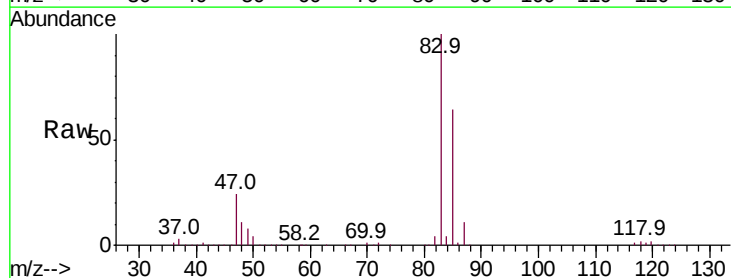
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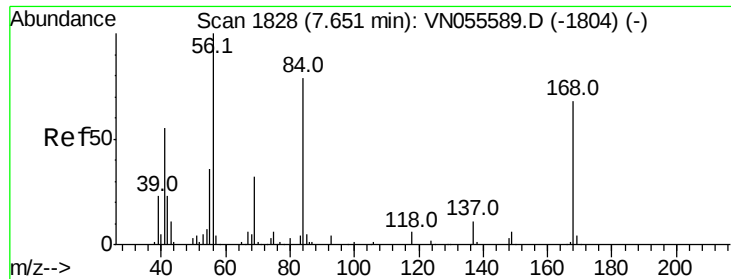
MMDadoda  
5/16/2019 1:31:53 PM



#30  
Chloroform  
Concen: 90.573 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.2  | 51.9  | 77.9  |





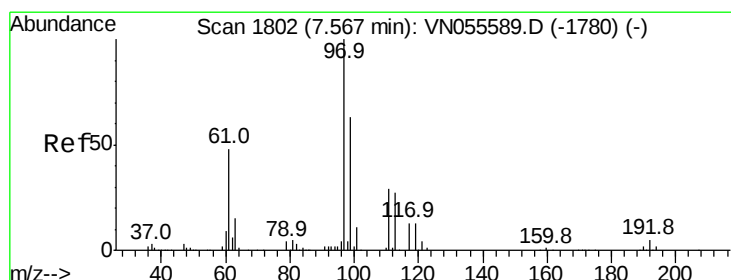
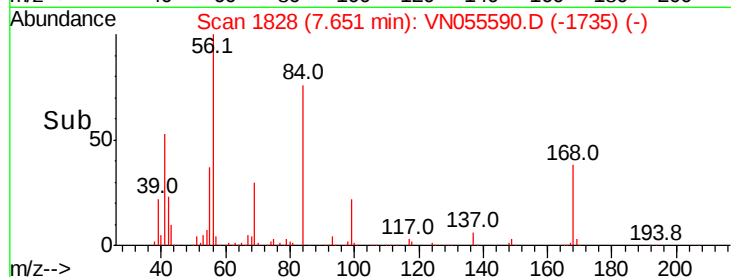
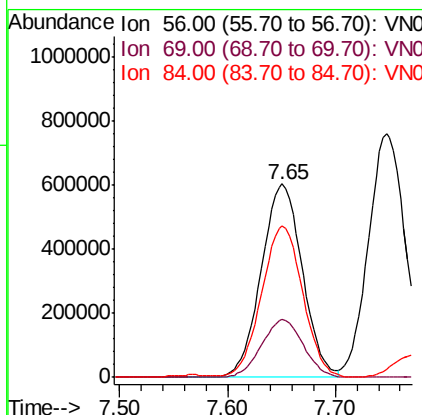
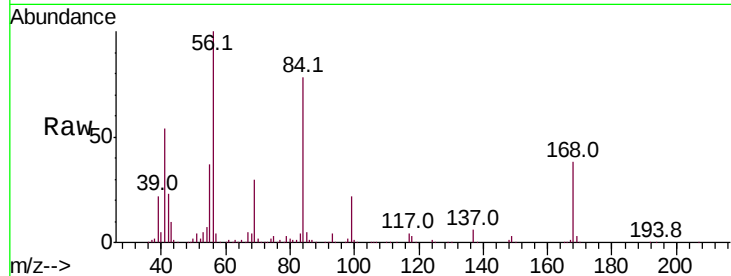
#31  
Cyclohexane  
Concen: 87.715 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion: 56 Resp: 1592506  
Ion Ratio Lower Upper  
56 100  
69 30.1 25.7 38.5  
84 77.0 63.4 95.0

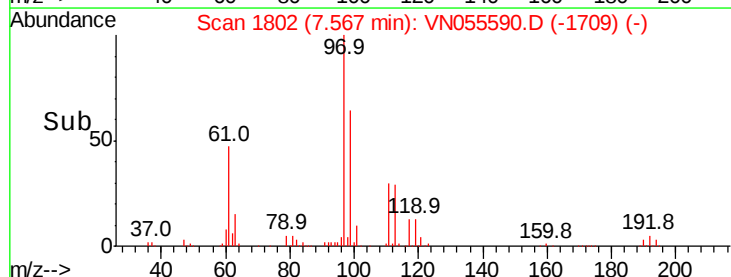
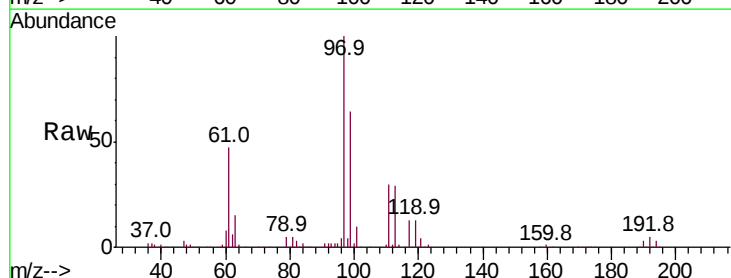
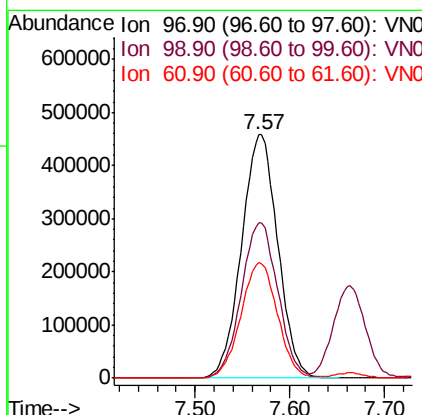
Manual Integrations  
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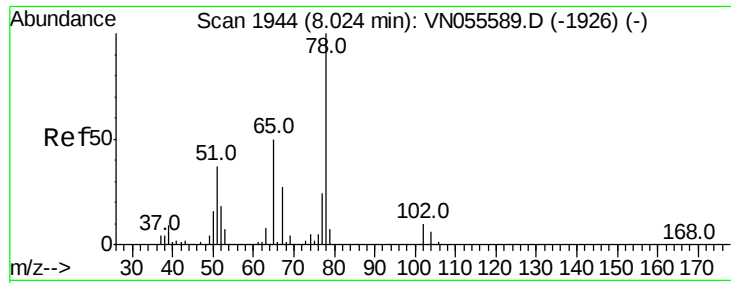
MMDadoda  
5/16/2019 1:31:53 PM



#32  
1,1,1-Trichloroethane  
Concen: 94.359 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion: 97 Resp: 1220828  
Ion Ratio Lower Upper  
97 100  
99 64.4 50.8 76.2  
61 47.7 38.7 58.1





#33

1,2-Dichloroethane-d4

Concen: 90.399 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 1013069

Ion Ratio Lower Upper

65 100

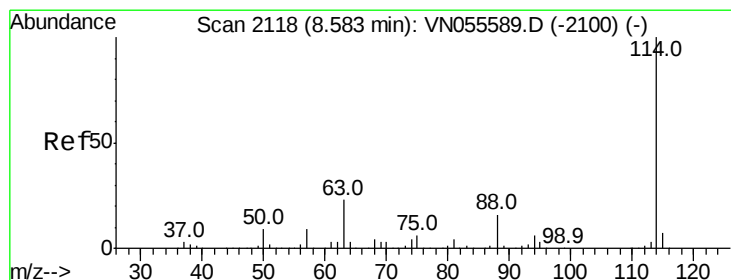
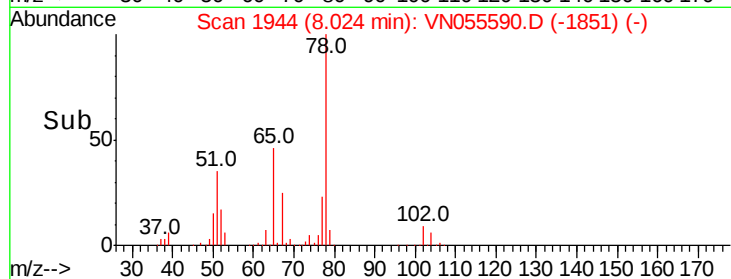
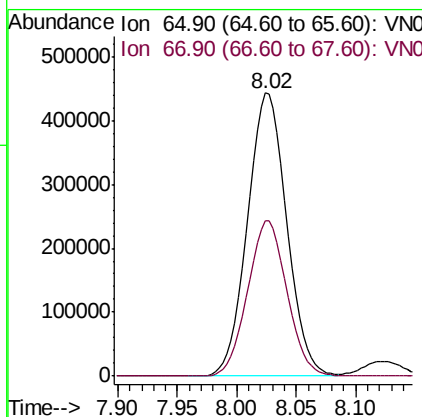
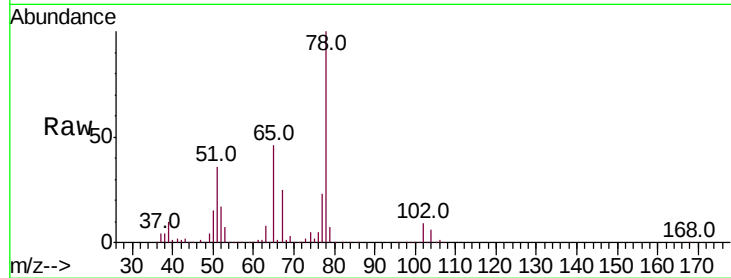
67 55.0 0.0 109.8

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5/16/2019 1:31:53 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

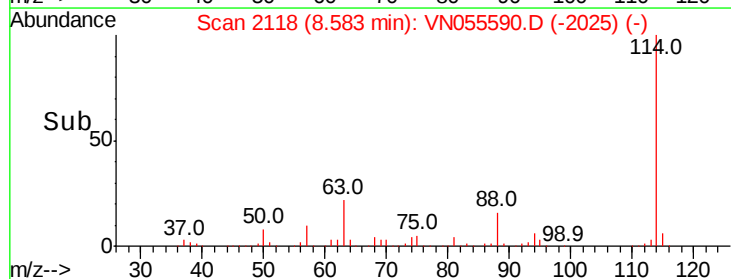
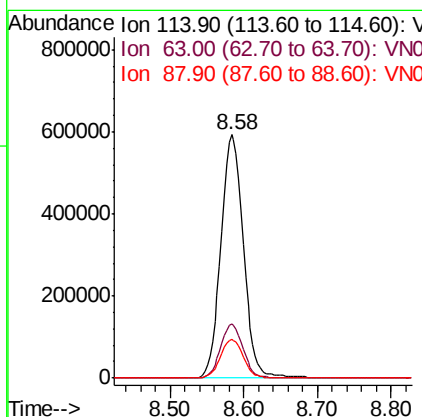
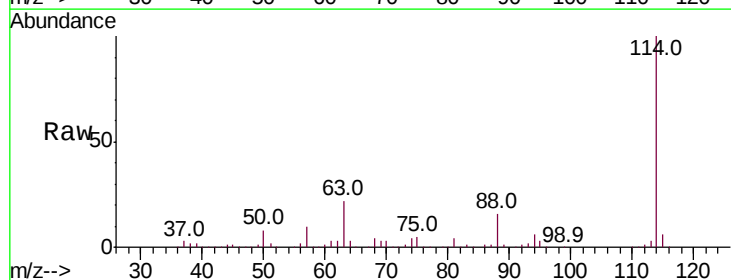
Tgt Ion: 114 Resp: 1266154

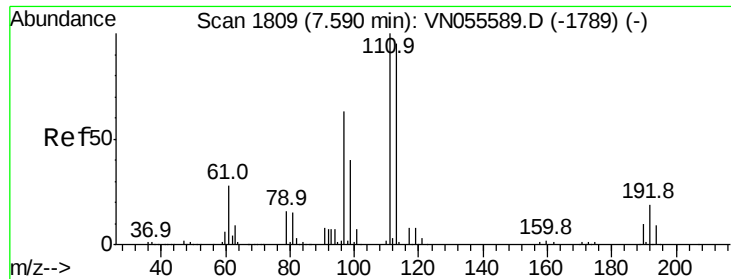
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.8

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 98.723 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

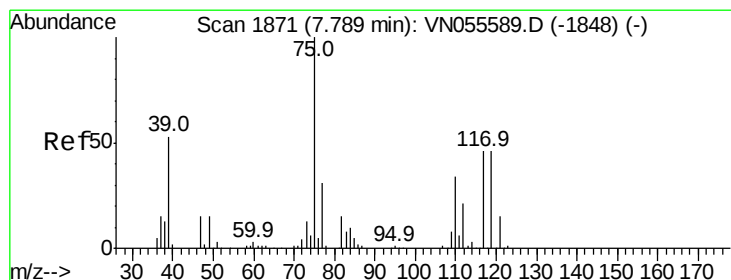
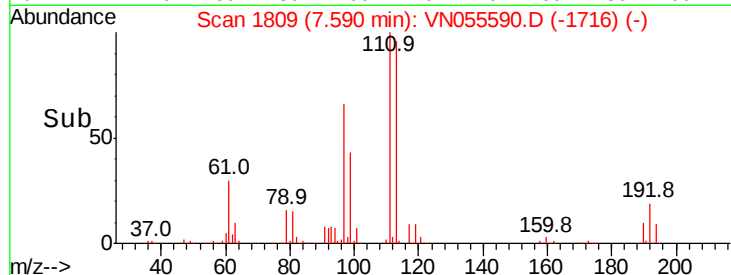
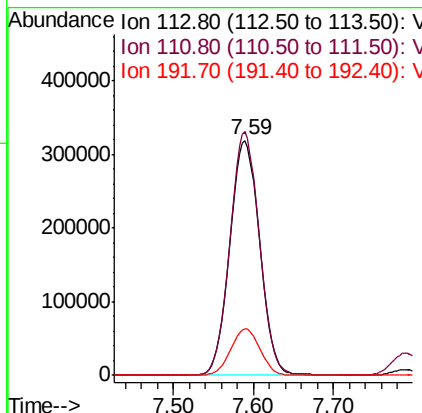
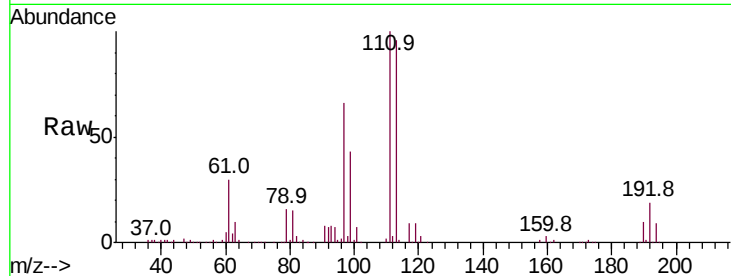
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 807250 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.5 | 83.5  | 125.3  |
| 192       | 19.5  | 16.0  | 24.0   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 98.220 ug/l

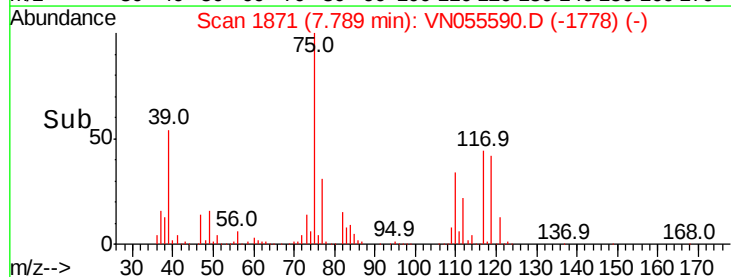
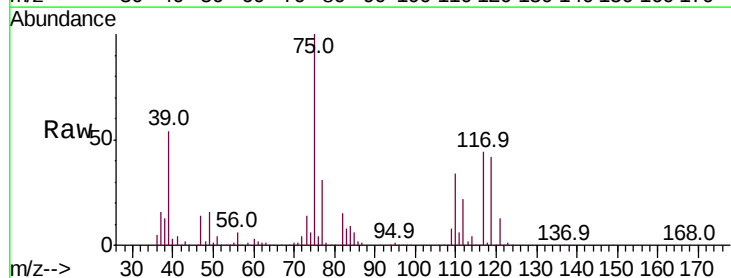
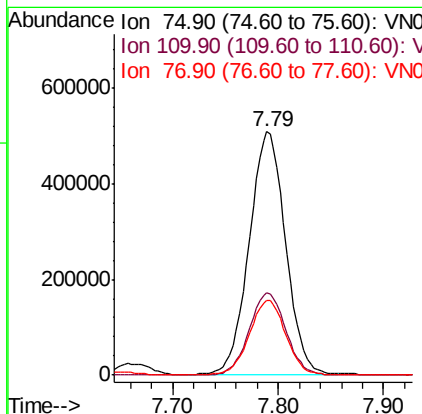
RT: 7.79 min Scan# 1871

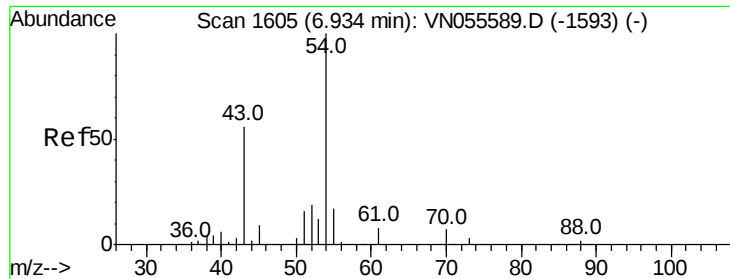
Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 75    | Resp: | 1218680 |
| Ion Ratio | Lower | Upper |         |
| 75        | 100   |       |         |
| 110       | 34.2  | 16.9  | 50.7    |
| 77        | 31.0  | 24.9  | 37.3    |





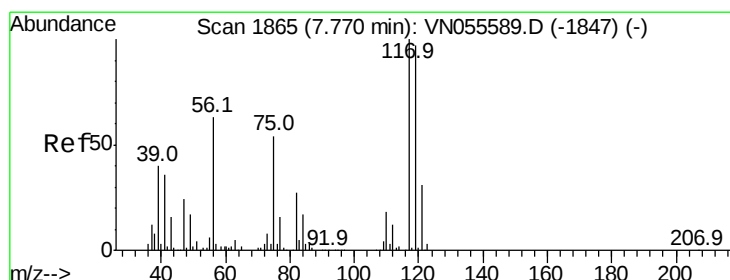
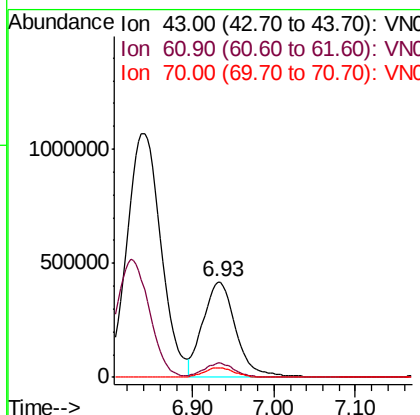
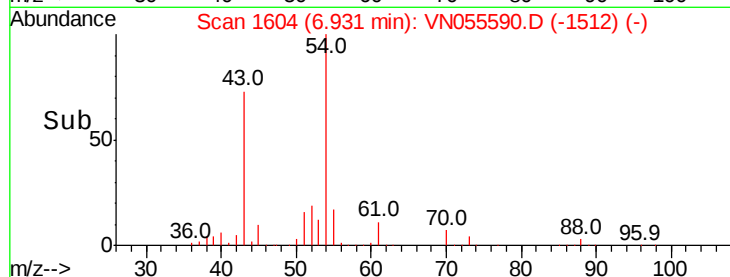
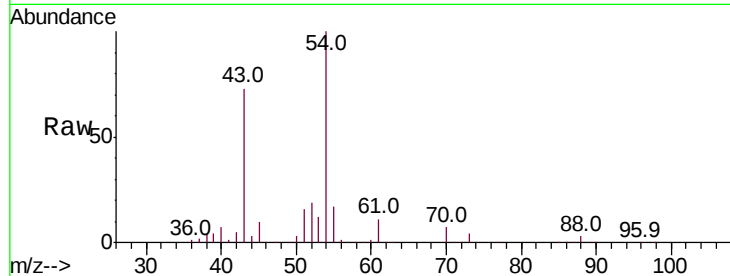
#37  
Ethyl Acetate  
Concen: 88.231 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion: 43 Resp: 1170922  
Ion Ratio Lower Upper  
43 100  
61 14.1 10.8 16.2  
70 9.8 7.4 11.2

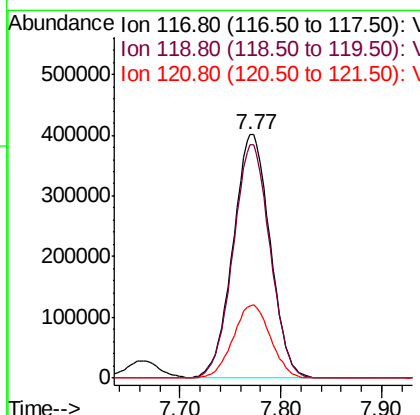
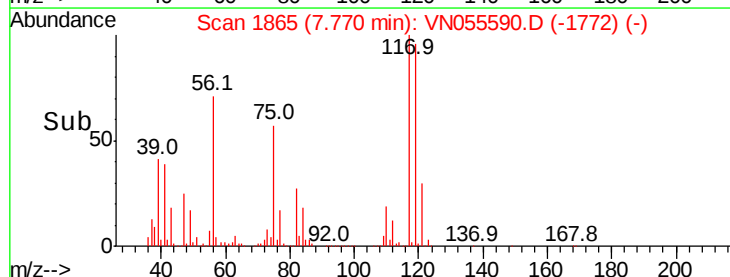
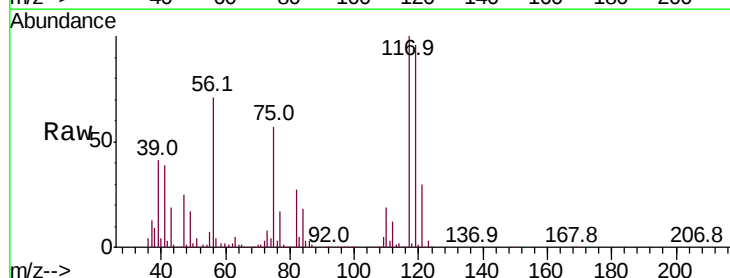
Manual Integrations  
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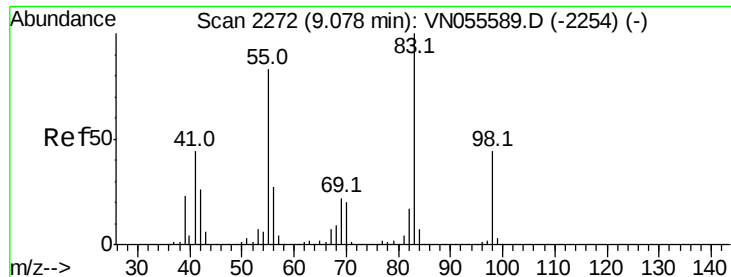
MMDadoda  
5/16/2019 1:31:53 PM



#38  
Carbon Tetrachloride  
Concen: 97.161 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion: 117 Resp: 1020892  
Ion Ratio Lower Upper  
117 100  
119 95.9 77.1 115.7  
121 29.9 24.4 36.6





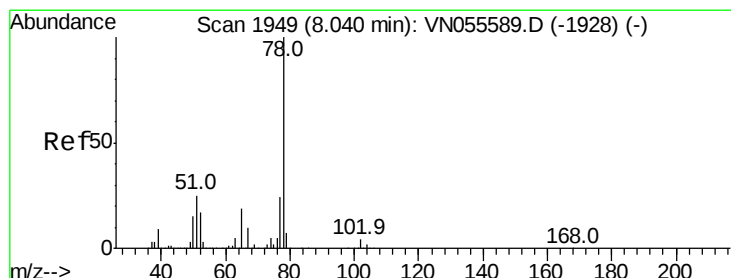
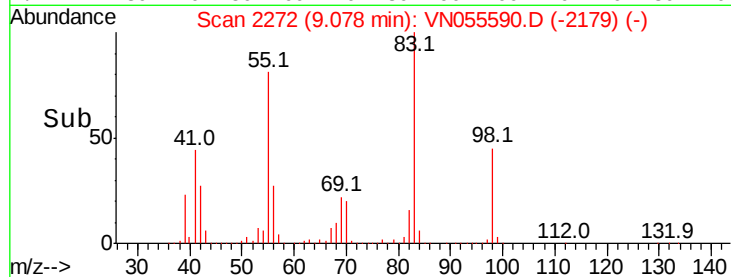
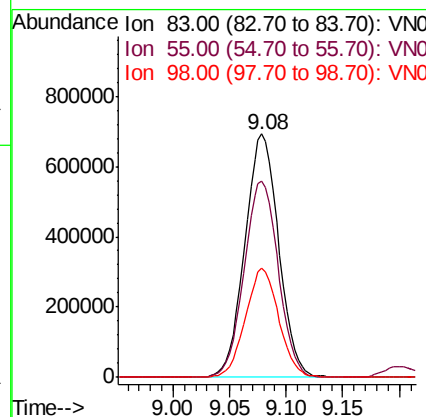
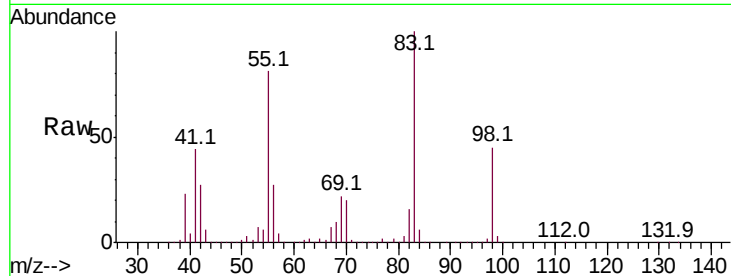
#39  
Methvlcvclohexane  
Concen: 95.268 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion: 83 Resp: 1440257  
Ion Ratio Lower Upper  
83 100  
55 80.6 66.3 99.5  
98 44.7 34.8 52.2

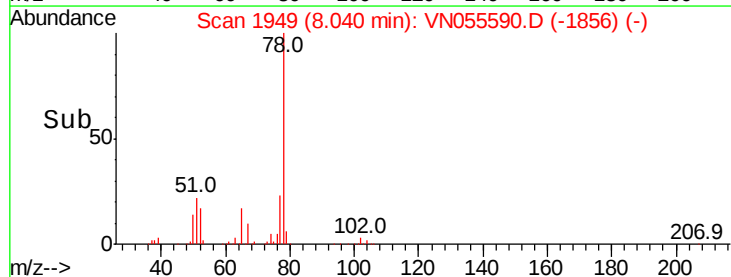
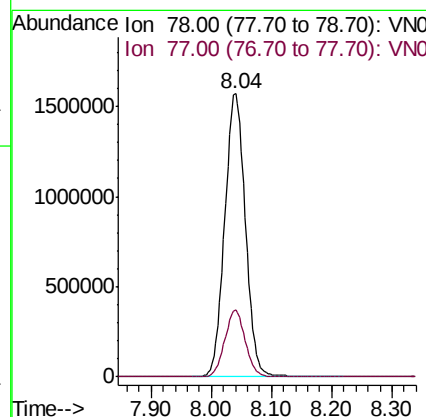
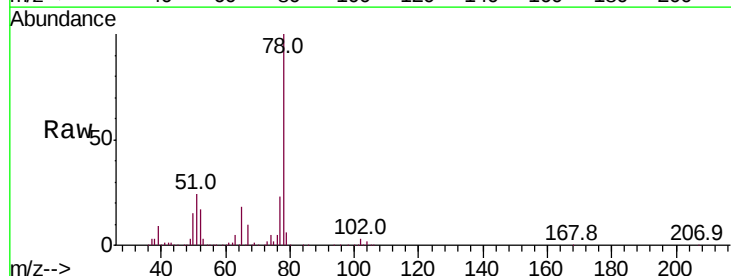
Manual Integrations  
APPROVED

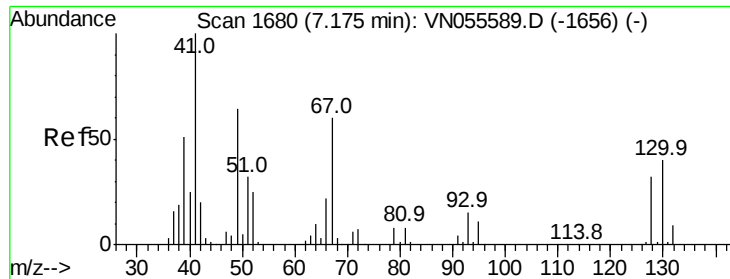
MMDadoda  
5/16/2019 1:31:53 PM



#40  
Benzene  
Concen: 96.820 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion: 78 Resp: 3724190  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.9 28.3





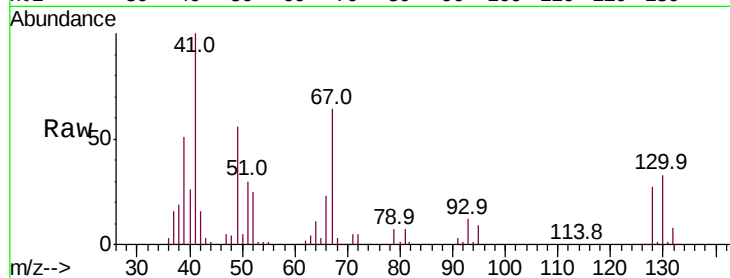
#41  
Methacrylonitrile  
Concen: 90.365 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. -0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

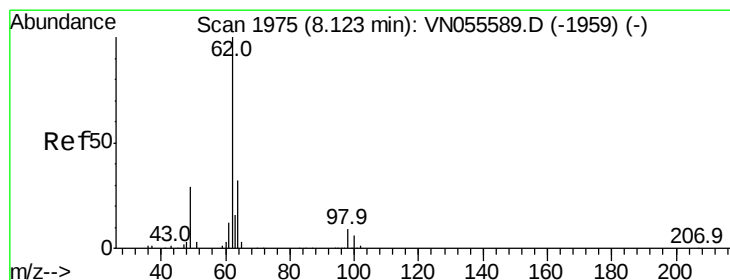
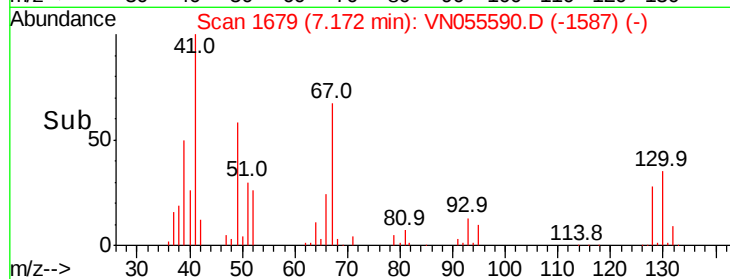
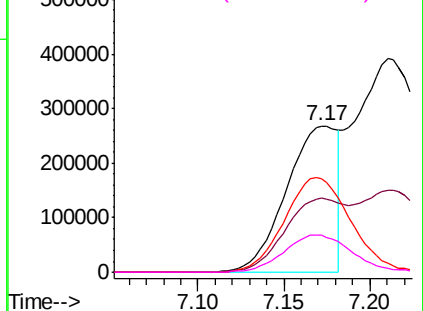
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 59.7  | 44.1  | 66.1  |
| 67      | 84.7  | 63.4  | 95.0  |
| 52      | 33.3  | 25.0  | 37.6  |

Manual Integrations  
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5/16/2019 1:31:53 PM

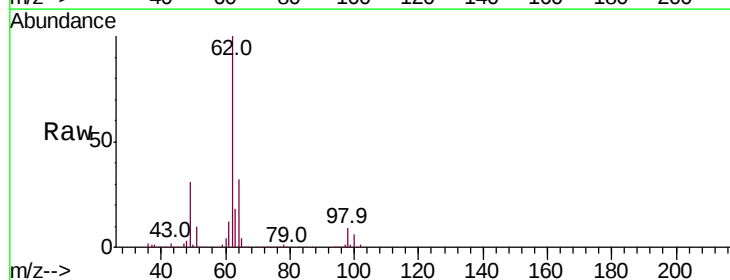


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 67.00 (66.70 to 67.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO

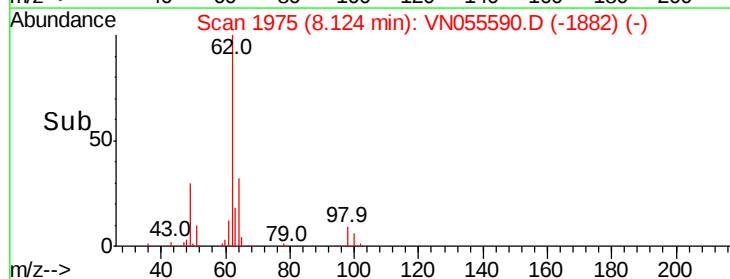
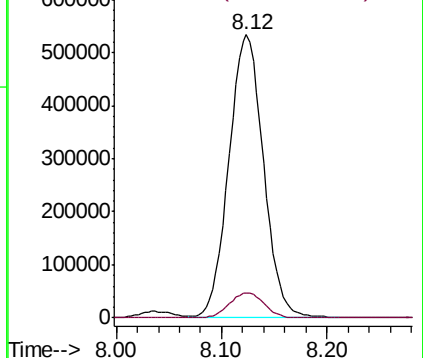


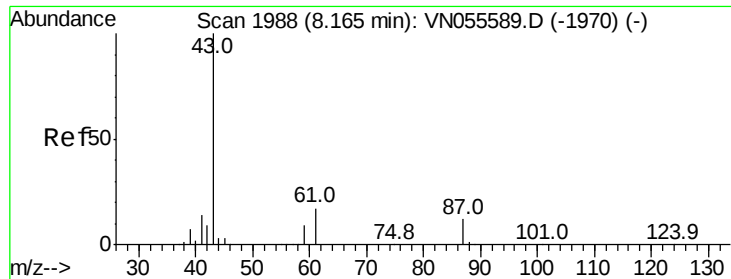
#42  
1,2-Dichloroethane  
Concen: 89.913 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.9   | 0.0   | 18.0  |



Abundance Ion 61.90 (61.60 to 62.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 94.779 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1904932

Ion Ratio Lower Upper

43 100

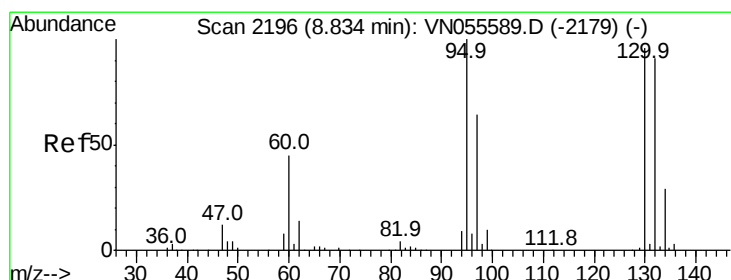
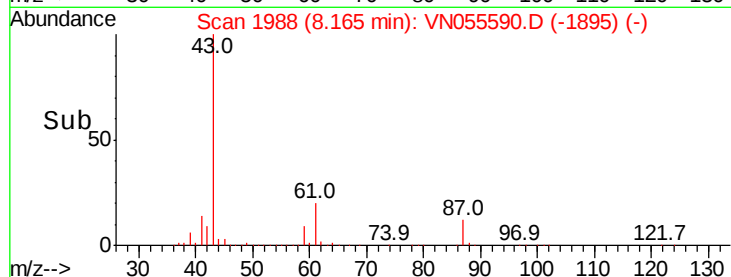
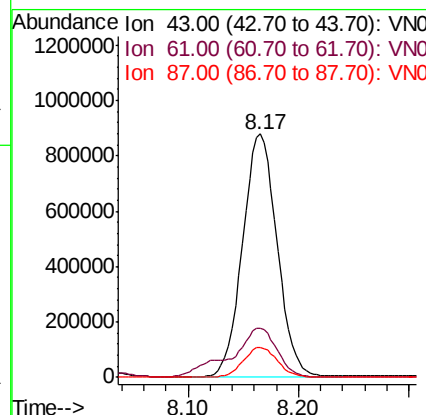
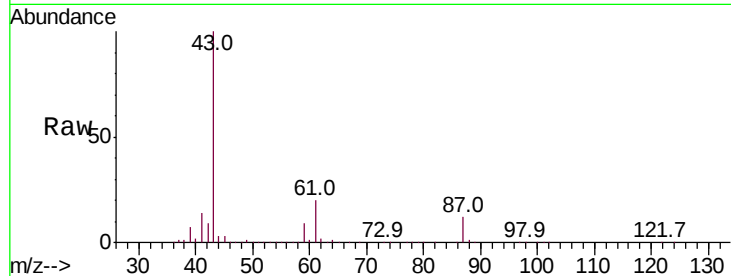
61 27.2 16.1 24.1#

87 12.2 9.6 14.4

Manual Integrations  
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5/16/2019 1:31:53 PM



#44

Trichloroethene

Concen: 96.740 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055590.D

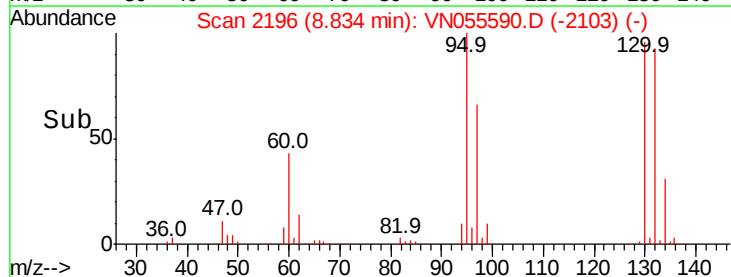
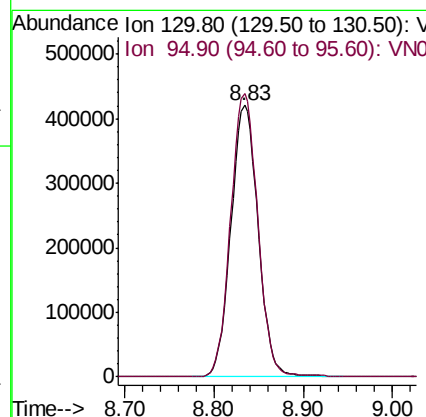
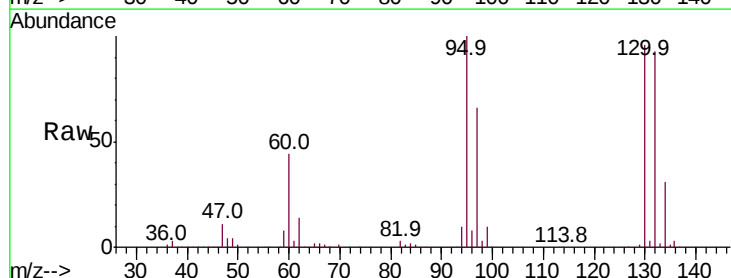
Acq: 14 May 2019 13:12

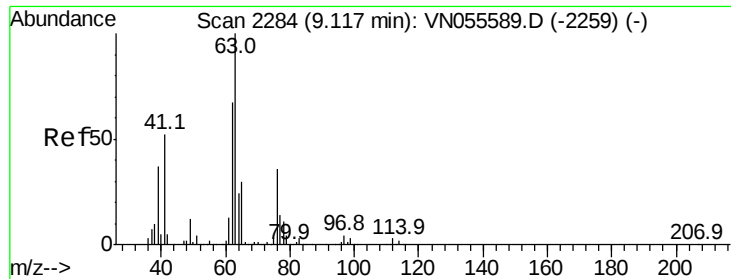
Tgt Ion:130 Resp: 891593

Ion Ratio Lower Upper

130 100

95 104.3 0.0 208.6





#45

1,2-Dichloropropane

Concen: 93.231 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 1023830

Ion Ratio Lower Upper

63 100

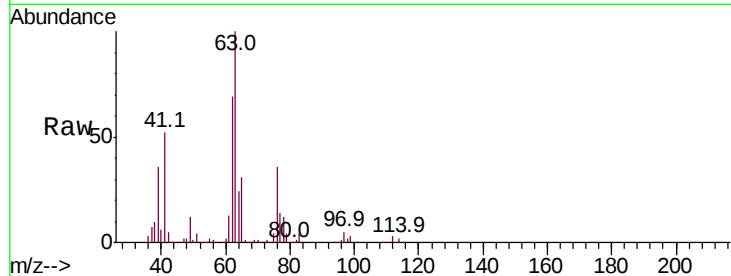
65 31.4 24.1 36.1

Manual Integrations

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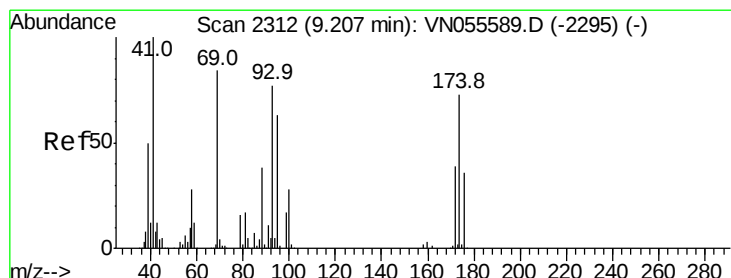
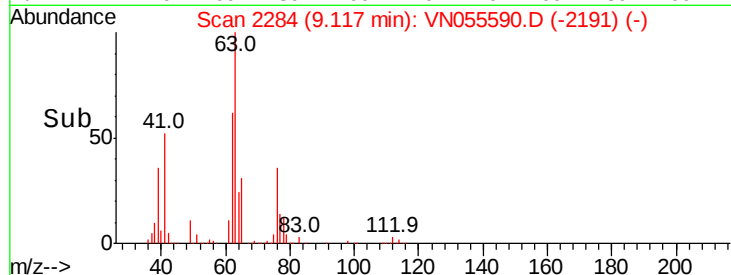
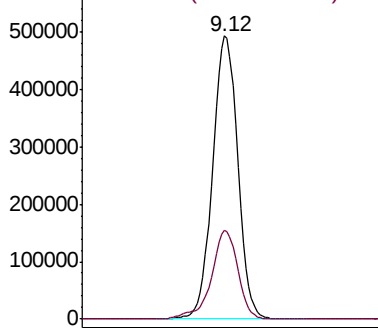
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 94.044 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

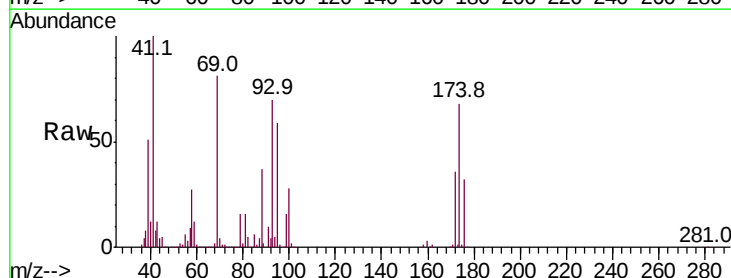
Tgt Ion: 93 Resp: 598169

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

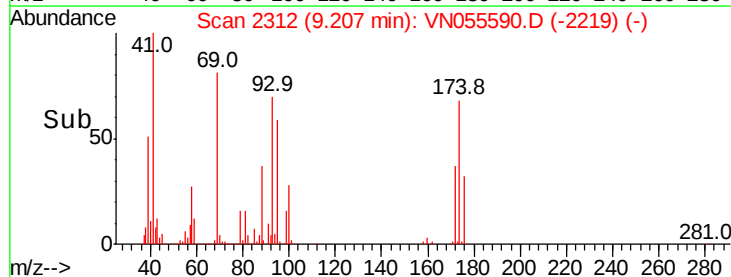
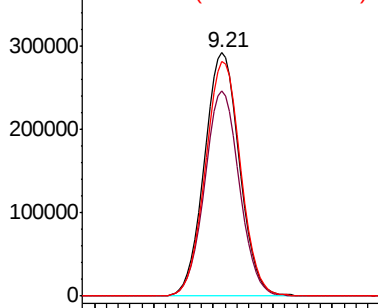
174 96.9 78.4 117.6

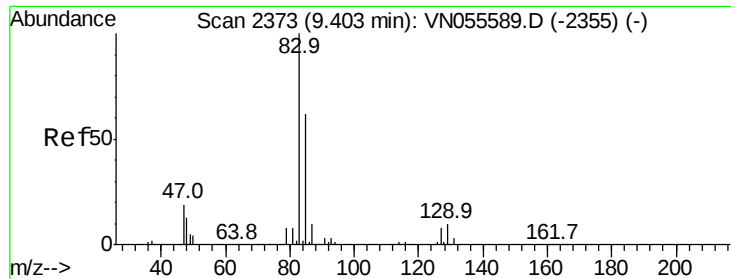


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 98.271 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1200774

Ion Ratio Lower Upper

83 100

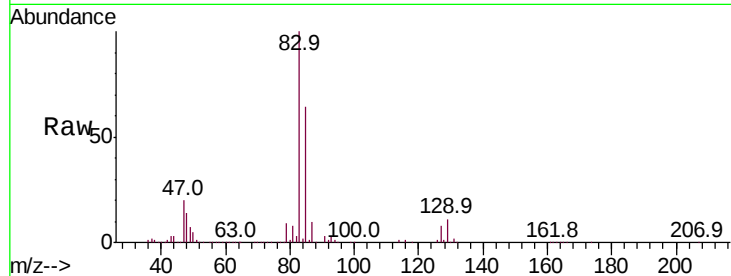
85 64.0 49.6 74.4

127 8.2 6.6 9.8

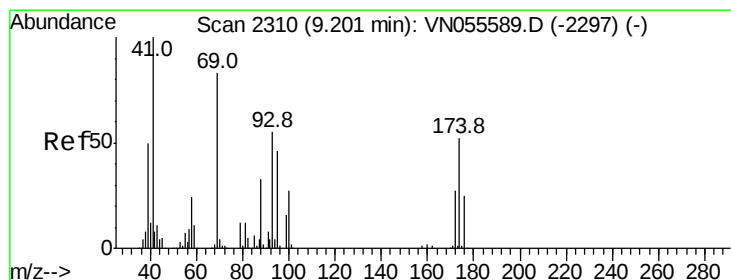
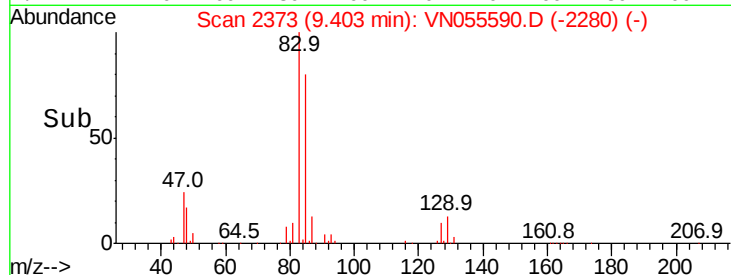
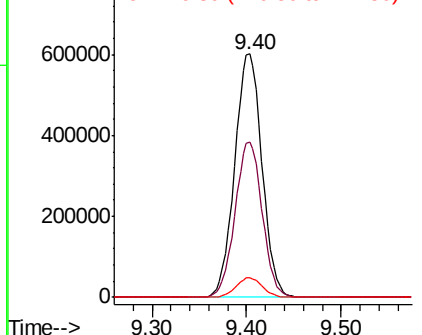
Manual Integrations  
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Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 95.692 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

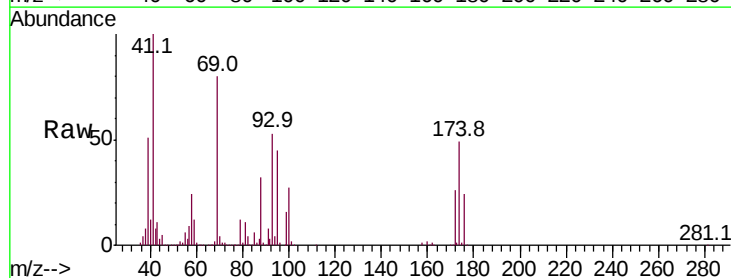
Tgt Ion: 41 Resp: 929456

Ion Ratio Lower Upper

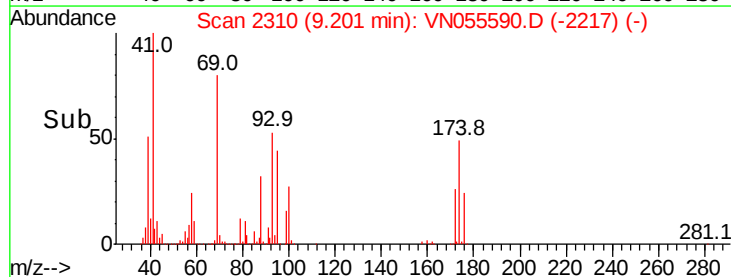
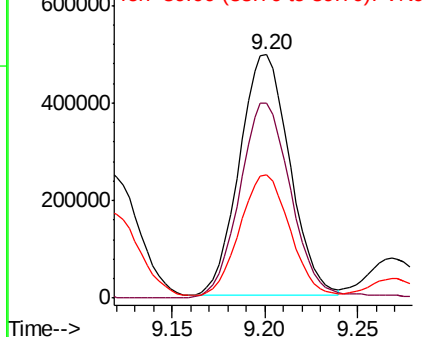
41 100

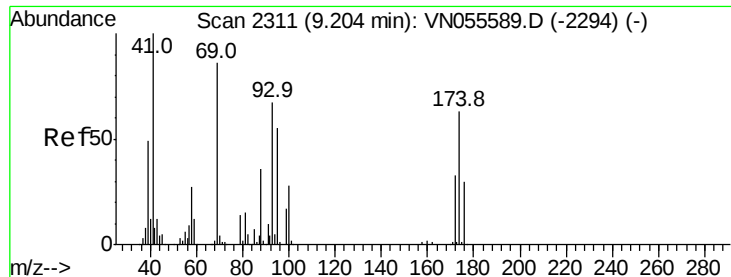
69 83.8 65.7 98.5

39 51.5 40.2 60.4



Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO





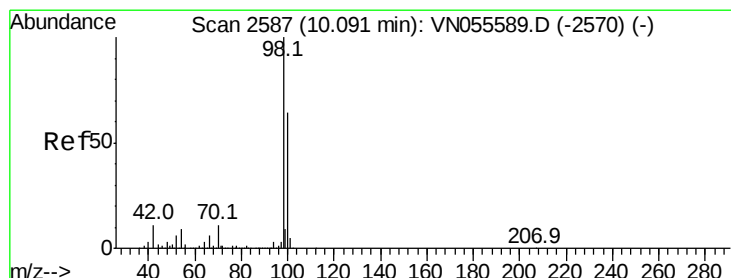
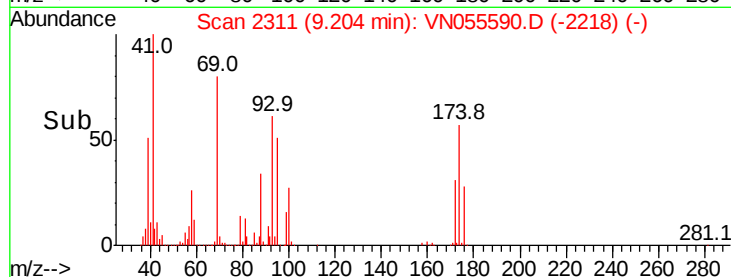
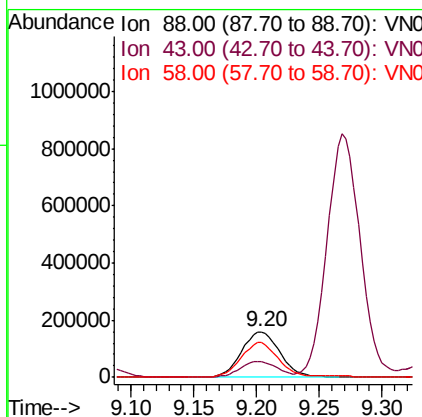
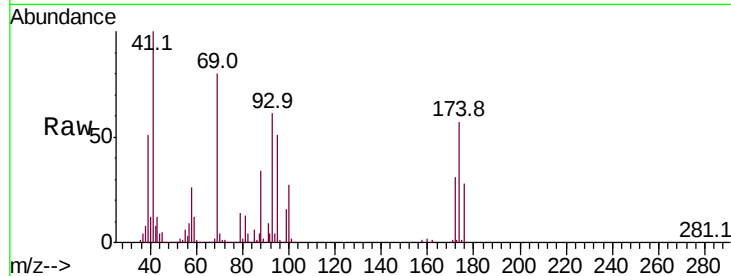
#49  
1,4-Dioxane  
Concen: 1813.742 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

| Tot Ion | 88    | Resp  | 341113 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 88      | 100   |       |        |
| 43      | 33.0  | 25.4  | 38.0   |
| 58      | 74.3  | 59.4  | 89.2   |

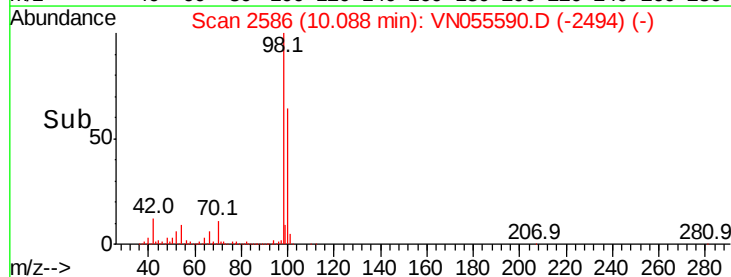
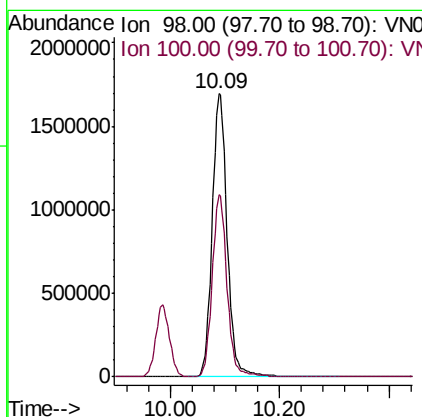
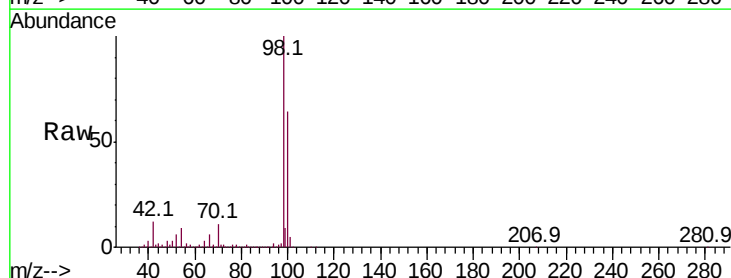
Manual Integrations  
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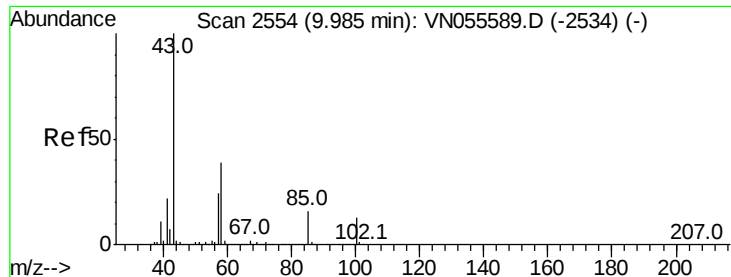
MMDadoda  
5/16/2019 1:31:53 PM



#50  
Toluene-d8  
Concen: 101.065 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

| Tgt Ion | 98    | Resp  | 3215872 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 63.7  | 50.7  | 76.1    |





#51

4-Methyl-2-Pentanone

Concen: 450.492 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 5926395

Ion Ratio Lower Upper

43 100

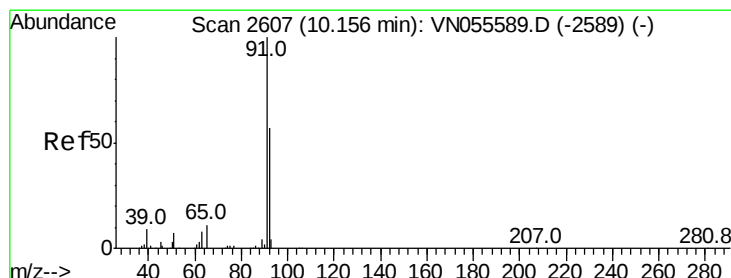
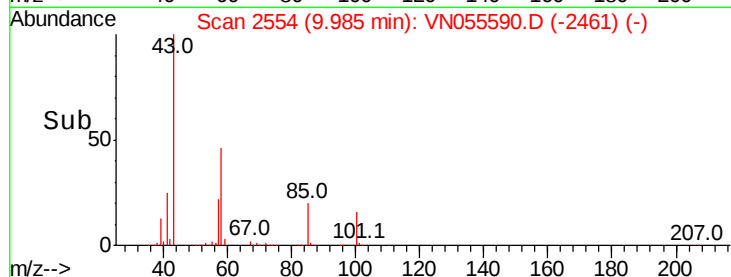
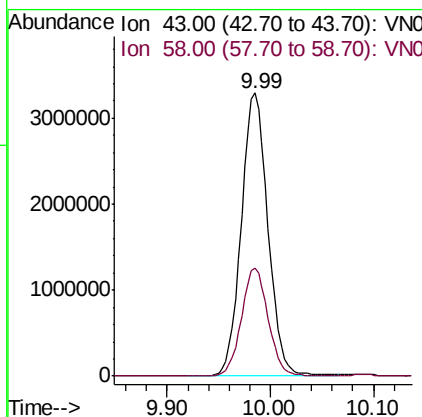
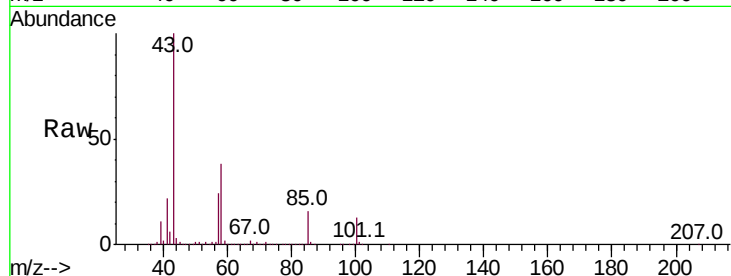
58 38.3 30.6 46.0

Manual Integrations

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5/16/2019 1:31:53 PM



#52

Toluene

Concen: 100.393 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055590.D

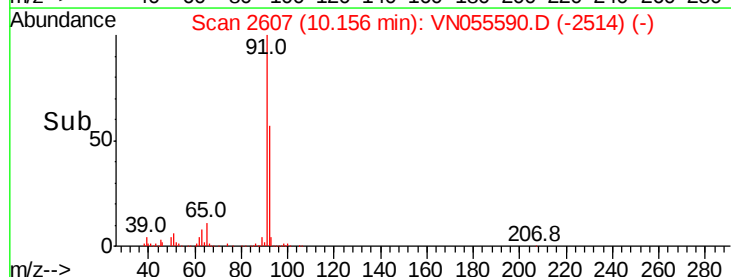
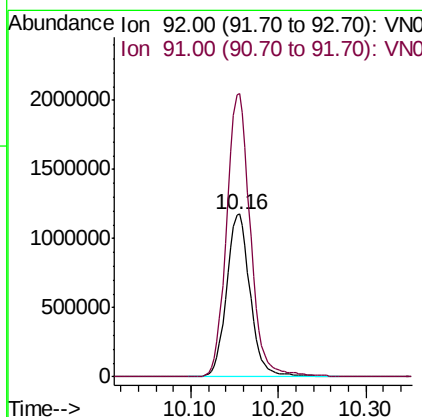
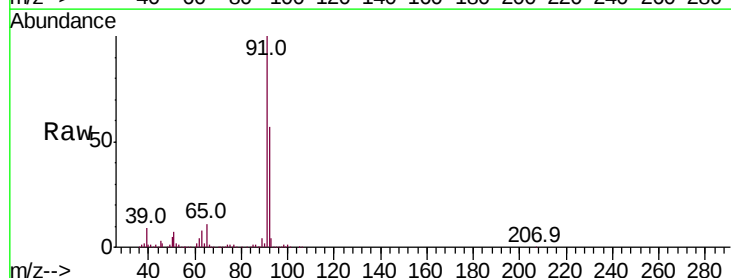
Acq: 14 May 2019 13:12

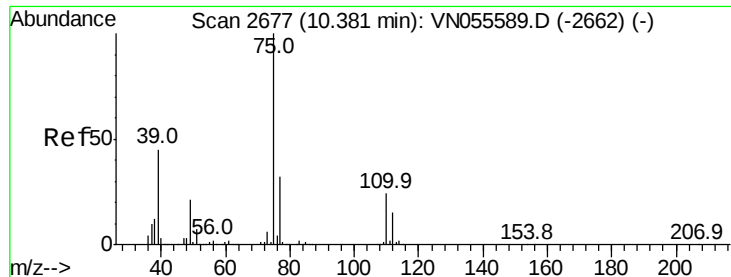
Tgt Ion: 92 Resp: 2210338

Ion Ratio Lower Upper

92 100

91 176.0 141.5 212.3





#53

t-1,3-Dichloropropene

Concen: 110.301 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1288359

Ion Ratio Lower Upper

75 100

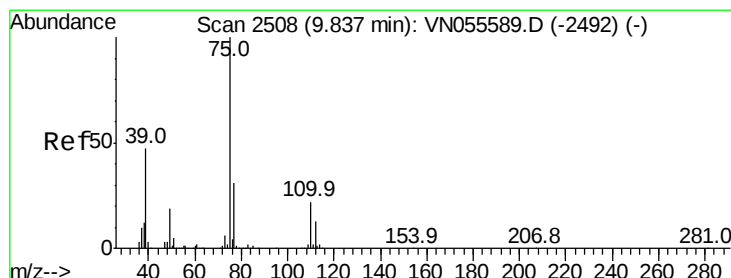
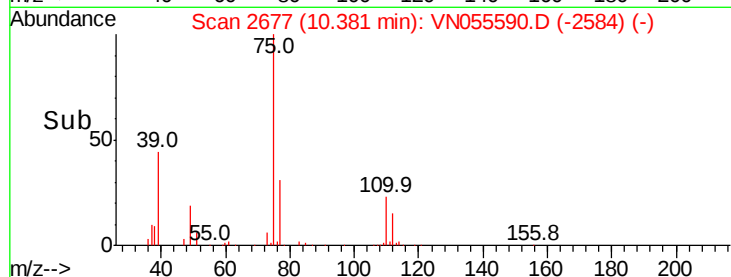
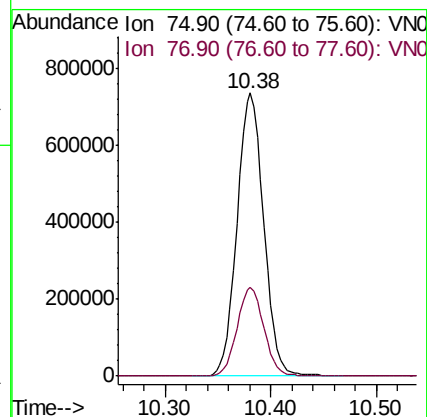
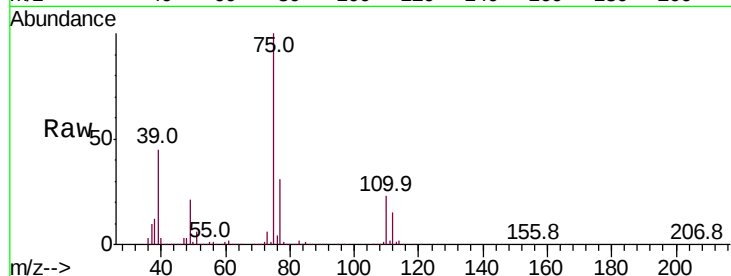
77 31.2 25.5 38.3

Manual Integrations

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5/16/2019 1:31:53 PM



#54

cis-1,3-Dichloropropene

Concen: 106.795 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

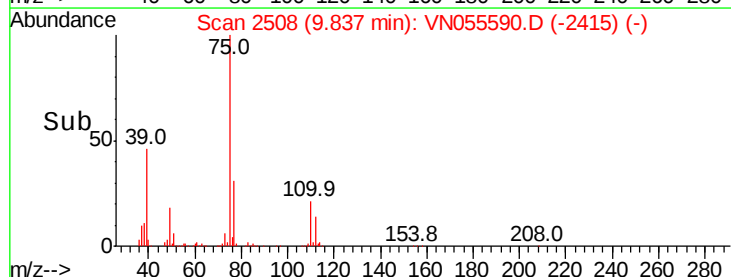
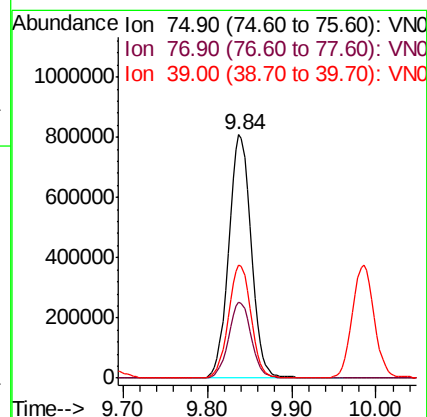
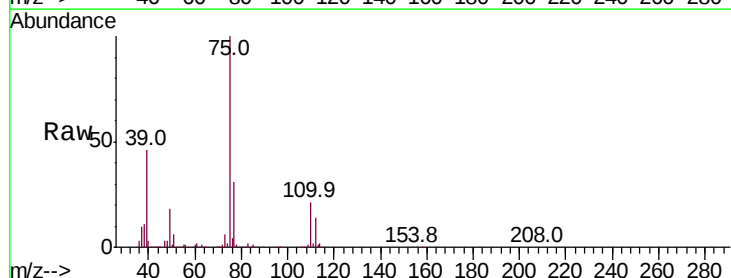
Tgt Ion: 75 Resp: 1495407

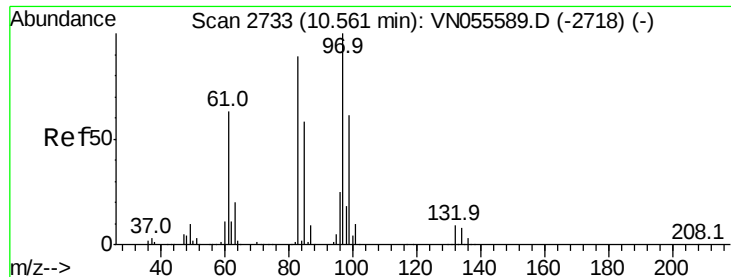
Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7

39 46.3 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 96.209 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 856365

Ion Ratio Lower Upper

97 100

83 90.7 71.5 107.3

85 57.0 46.2 69.4

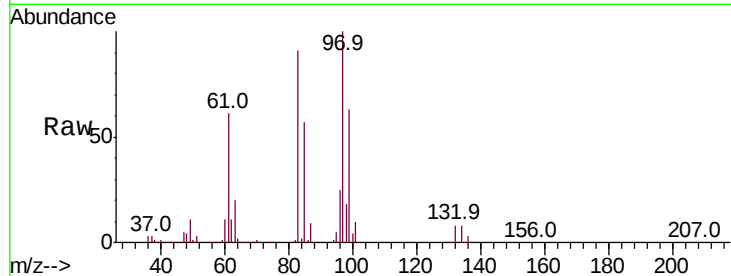
99 63.1 49.0 73.6

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5/16/2019 1:31:53 PM

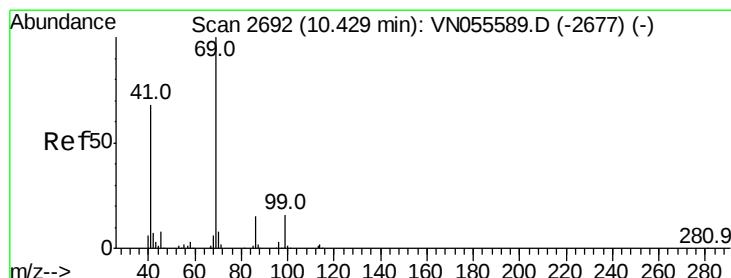
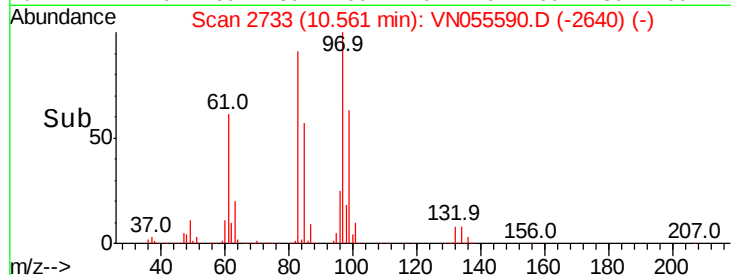
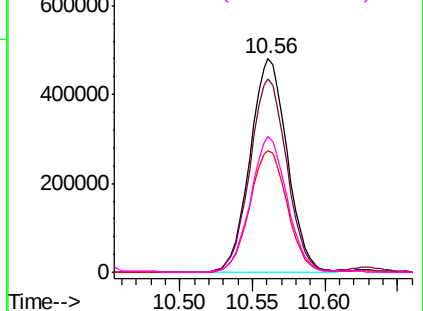


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 103.631 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

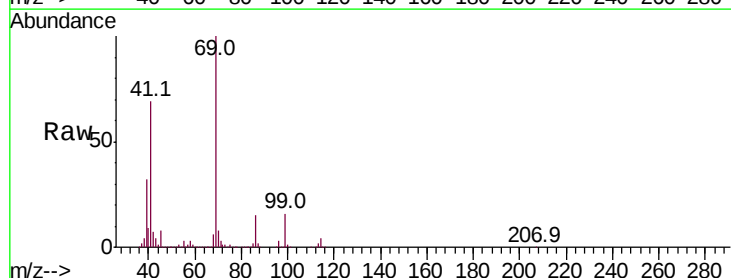
Tgt Ion: 69 Resp: 1358028

Ion Ratio Lower Upper

69 100

41 67.4 54.6 82.0

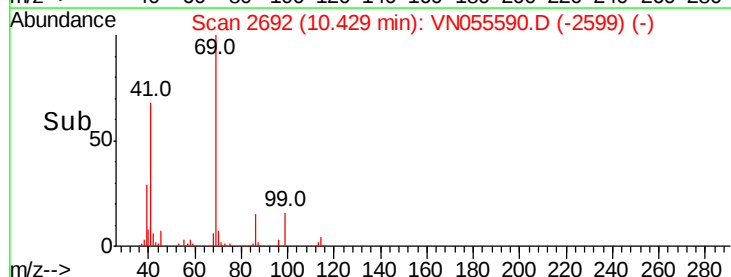
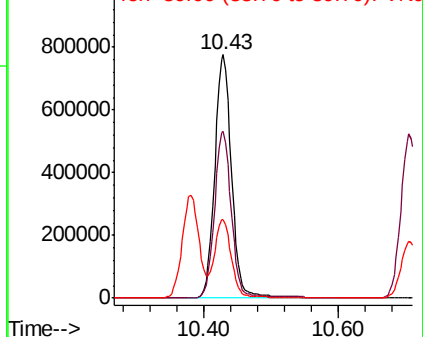
39 31.3 25.5 38.3

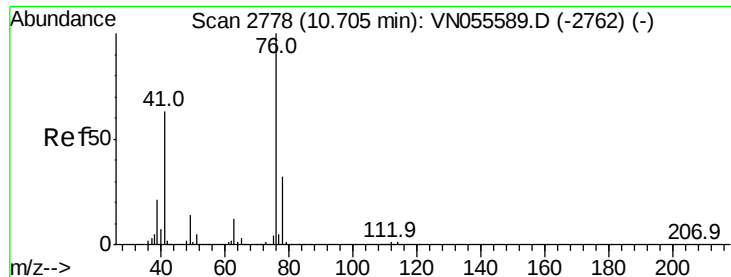


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 96.518 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 1519998

Ion Ratio Lower Upper

76 100

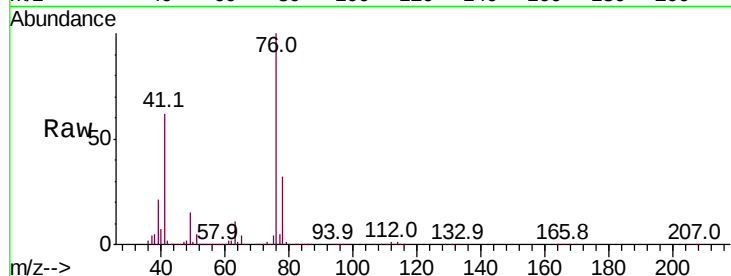
78 31.9 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

1000000

800000

600000

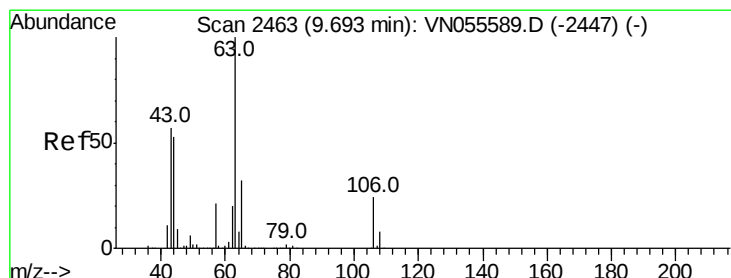
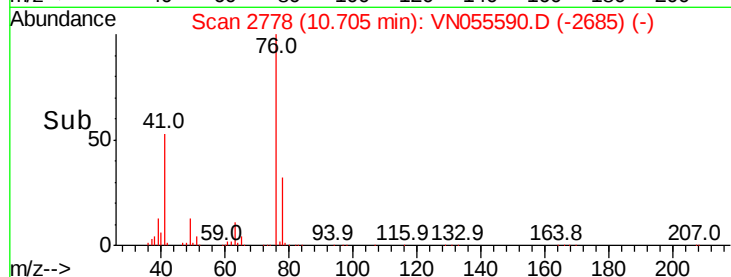
400000

200000

0

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 549.066 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055590.D

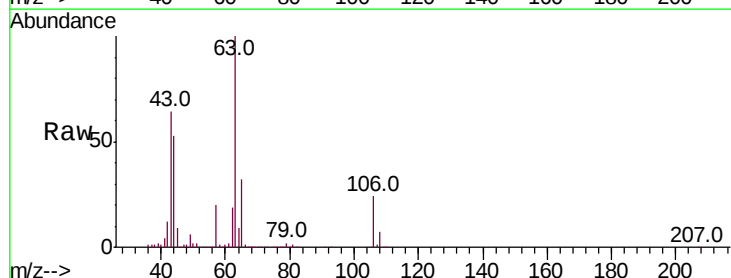
Acq: 14 May 2019 13:12

Tgt Ion: 63 Resp: 1983026

Ion Ratio Lower Upper

63 100

106 24.1 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

1200000

1000000

800000

600000

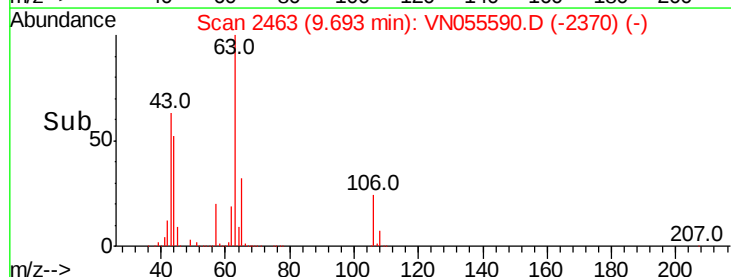
400000

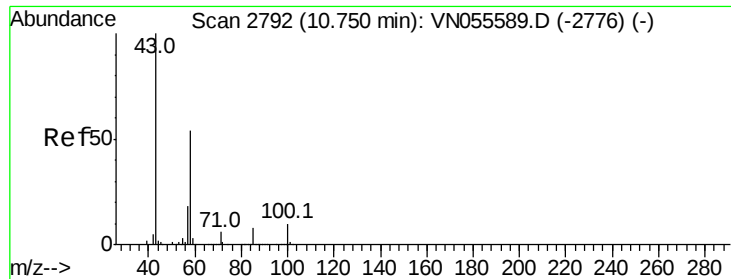
200000

0

9.60 9.70 9.80

Time-->





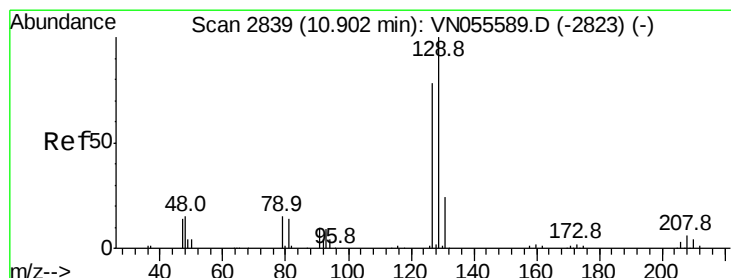
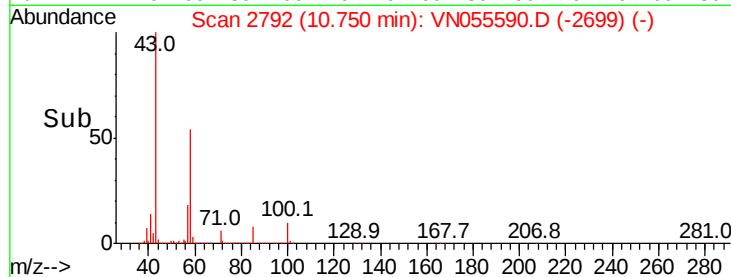
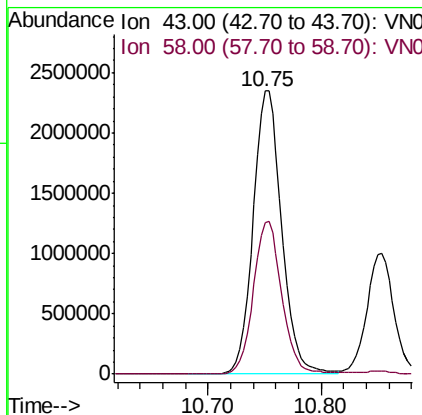
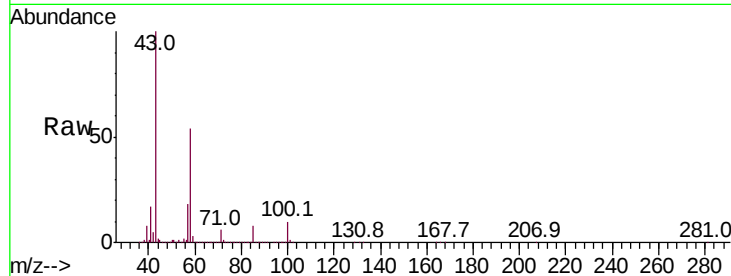
#59  
2-Hexanone  
Concen: 446.314 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC100

Tot Ion: 43 Resp: 4111448  
Ion Ratio Lower Upper  
43 100  
58 53.9 27.0 80.8

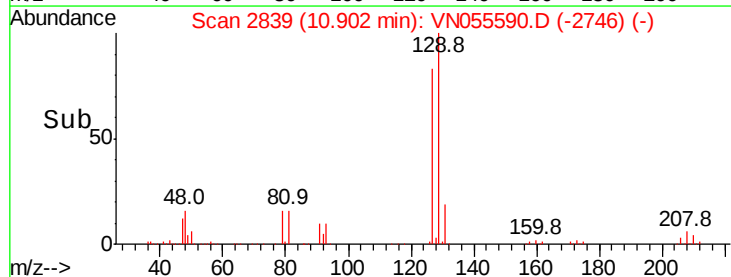
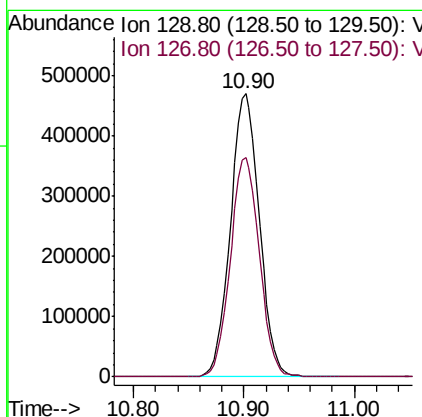
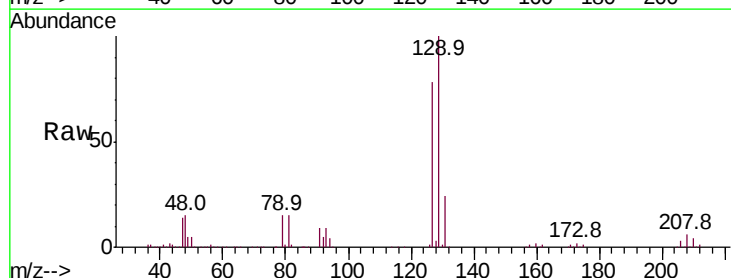
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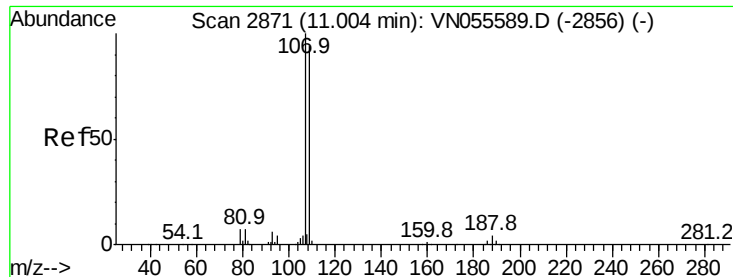
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 105.601 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion: 129 Resp: 855188  
Ion Ratio Lower Upper  
129 100  
127 77.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 100.864 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 860144

Ion Ratio Lower Upper

107 100

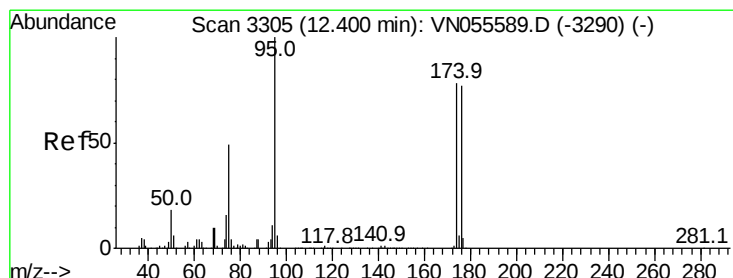
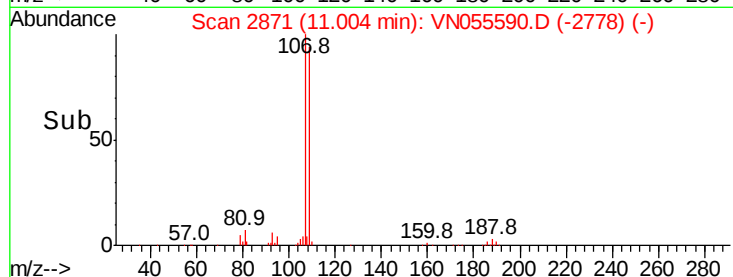
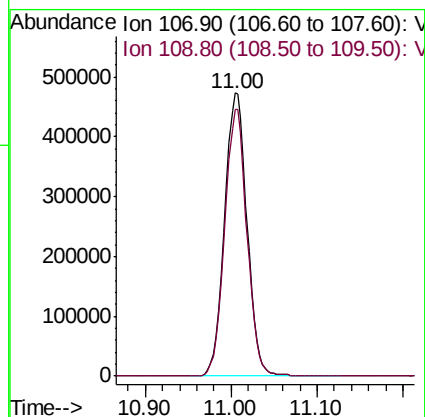
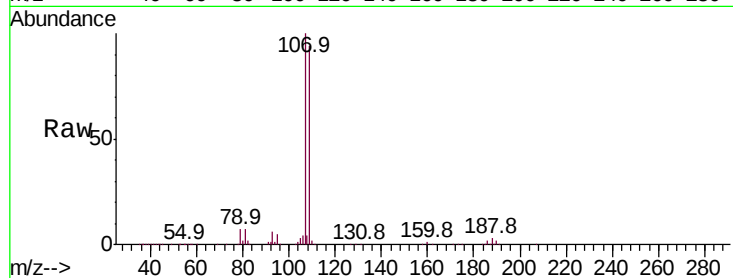
109 93.9 75.8 113.8

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5/16/2019 1:31:53 PM



#62

4-Bromofluorobenzene

Concen: 103.699 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

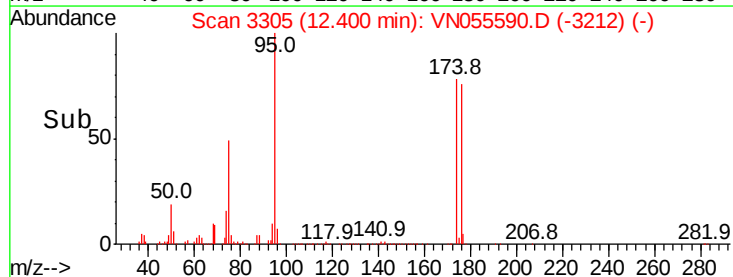
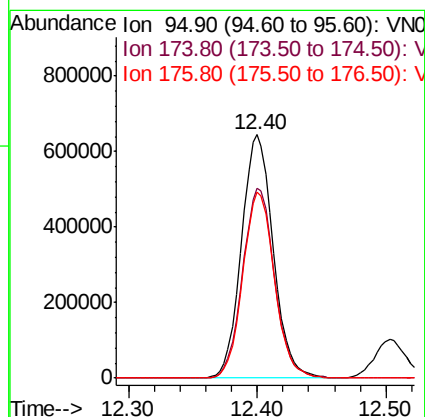
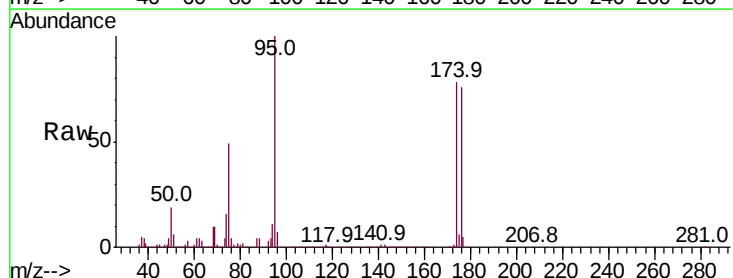
Tgt Ion: 95 Resp: 1101963

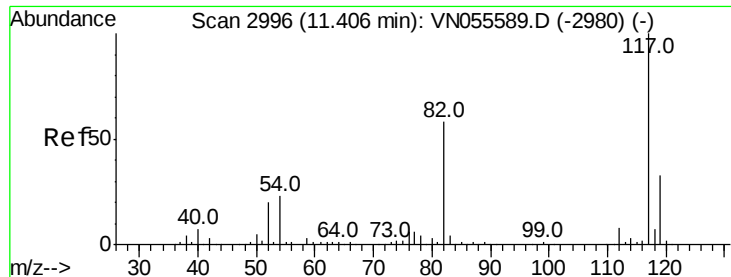
Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.4

176 76.3 0.0 153.4





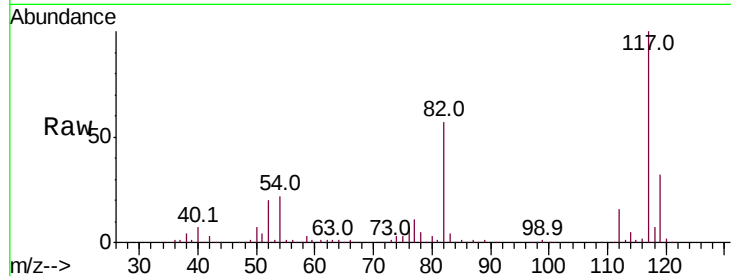
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

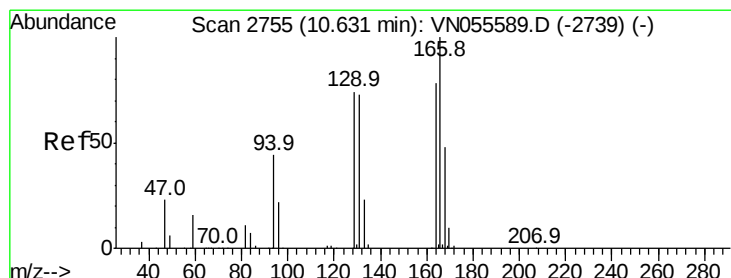
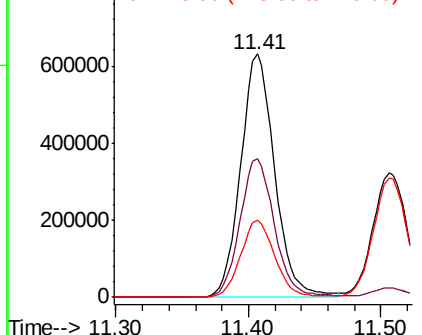
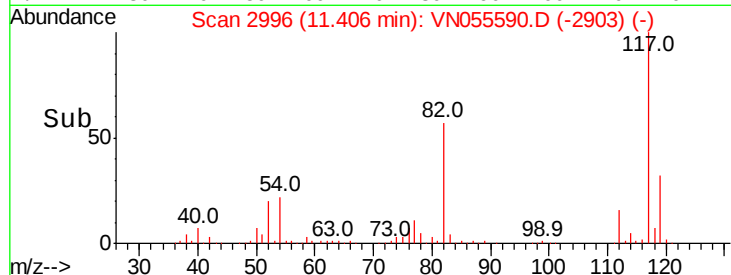
Tot Ion:117 Resp: 1126699  
Ion Ratio Lower Upper  
117 100  
82 56.7 46.7 70.1  
119 31.7 26.0 39.0

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5/16/2019 1:31:53 PM

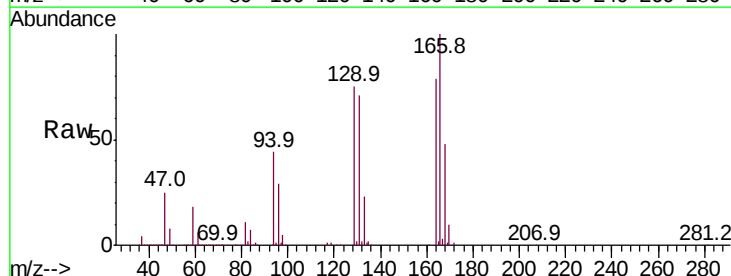


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

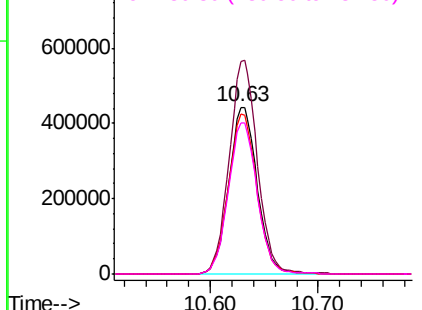
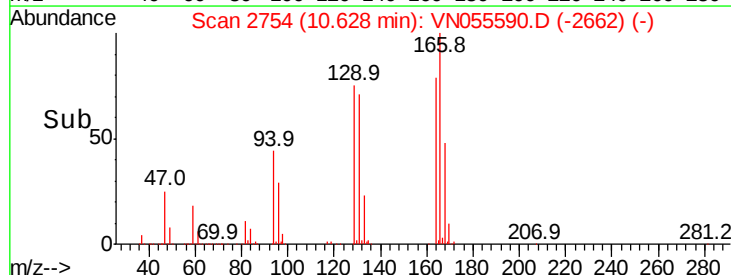


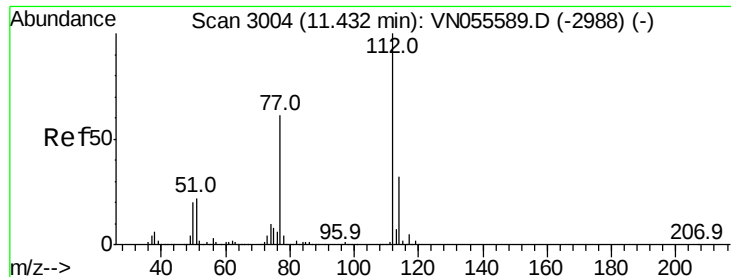
#64  
Tetrachloroethene  
Concen: 88.617 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion:164 Resp: 816372  
Ion Ratio Lower Upper  
164 100  
166 127.1 102.1 153.1  
129 95.7 75.8 113.8  
131 90.7 74.6 111.8



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





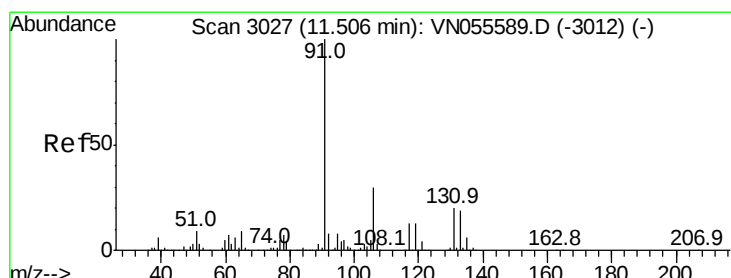
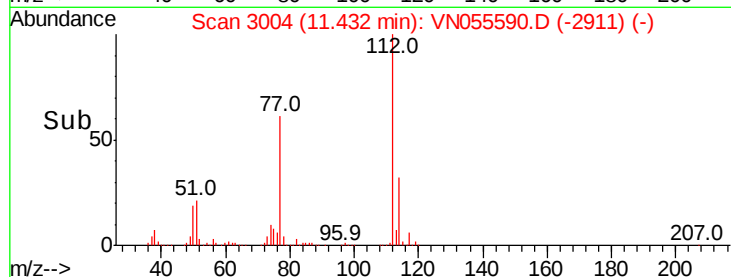
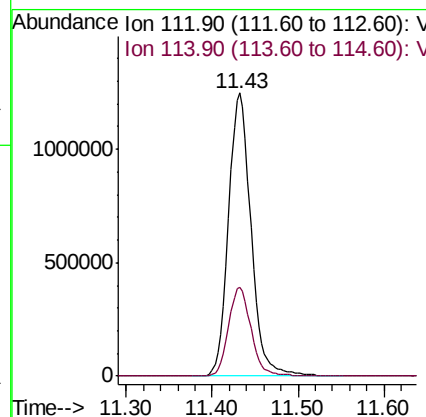
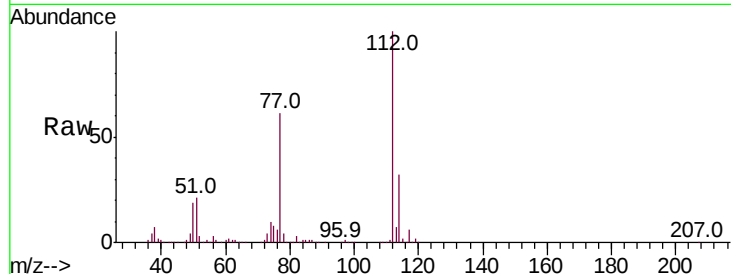
#65  
Chlorobenzene  
Concen: 98.343 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDICC100

Tot Ion:112 Resp: 2275069  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.4 38.2

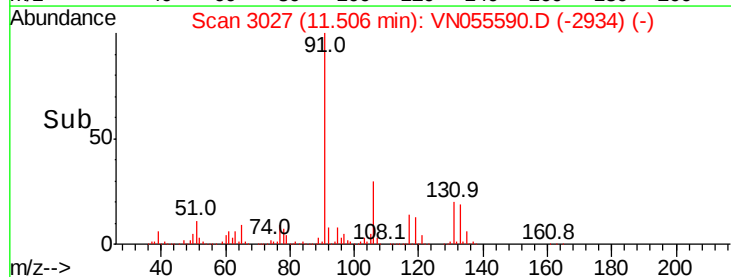
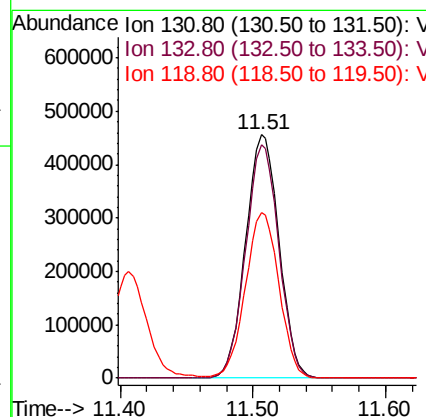
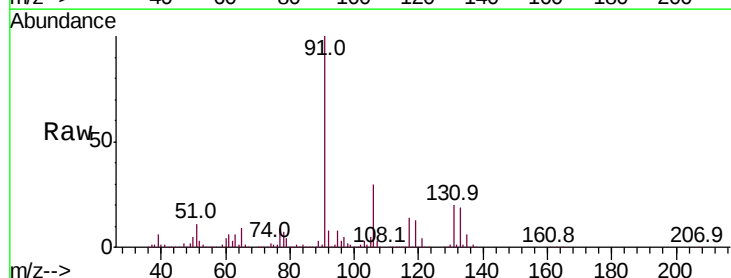
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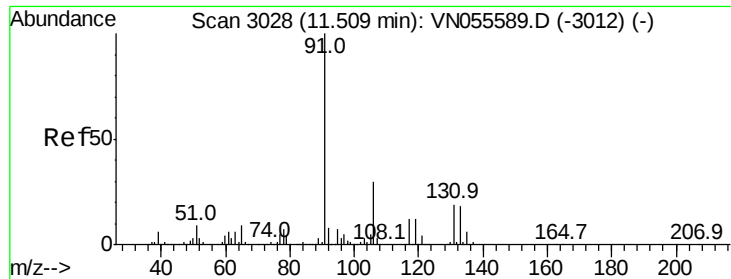
MMDadoda  
5/16/2019 1:31:53 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 100.086 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion:131 Resp: 799674  
Ion Ratio Lower Upper  
131 100  
133 95.2 47.6 142.9  
119 68.4 34.2 102.5





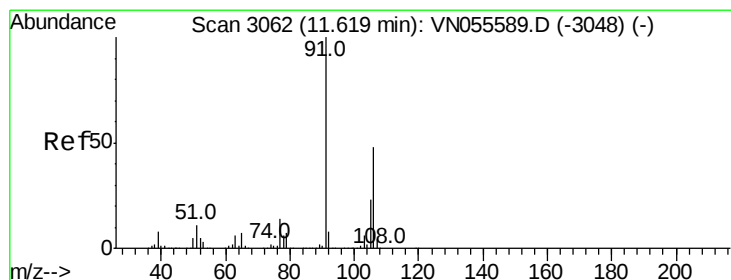
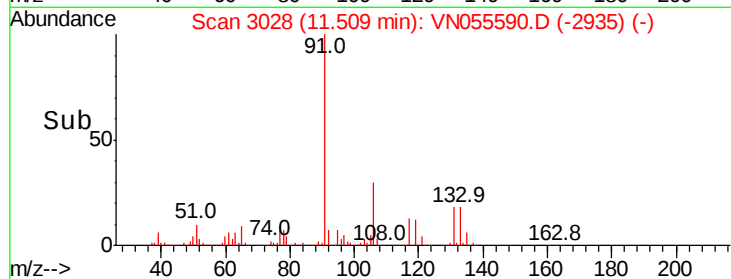
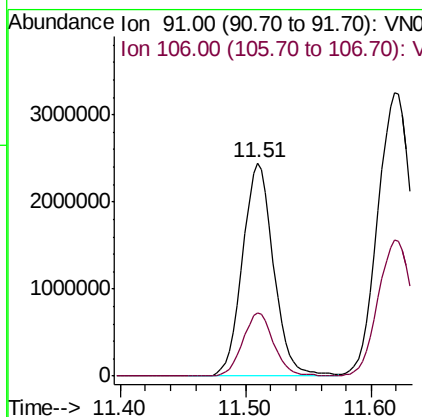
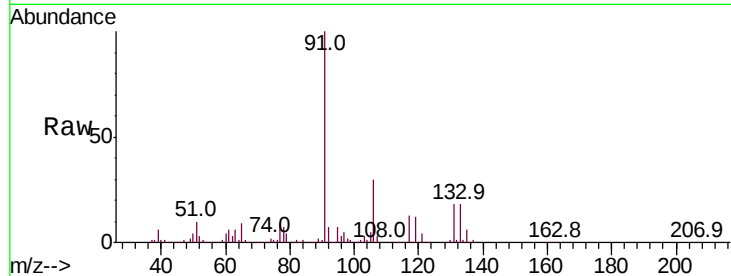
#67  
Ethyl Benzene  
Concen: 97.748 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion: 91 Resp: 4224987  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.1 36.1

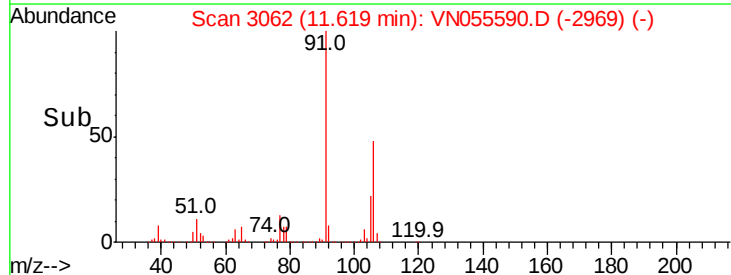
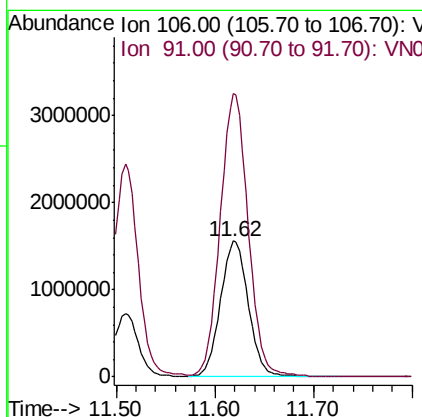
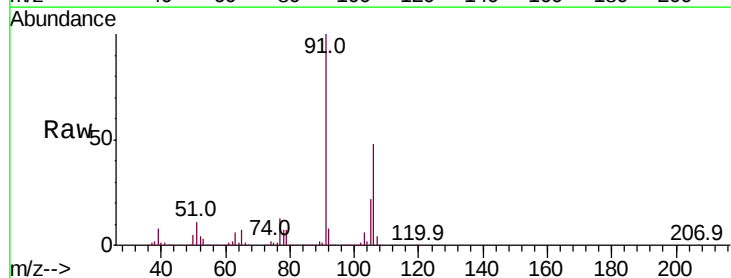
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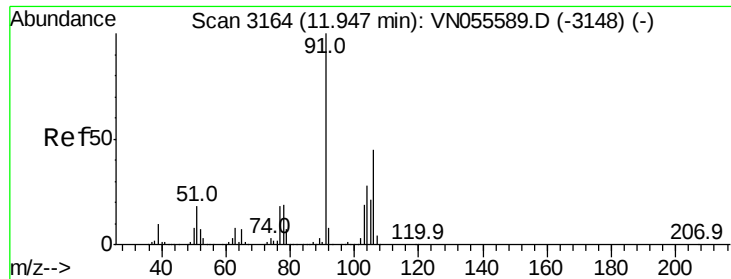
MMDadoda  
5/16/2019 1:31:53 PM



#68  
m/p-Xylenes  
Concen: 199.398 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion: 106 Resp: 3101682  
Ion Ratio Lower Upper  
106 100  
91 208.8 167.5 251.3





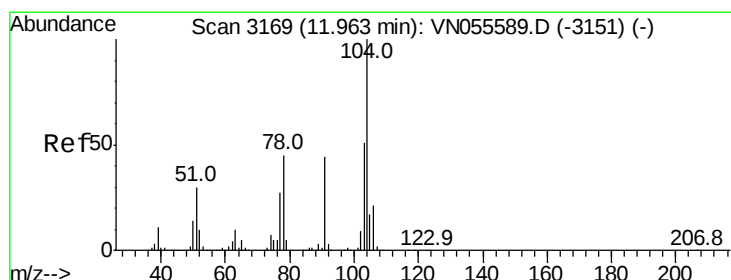
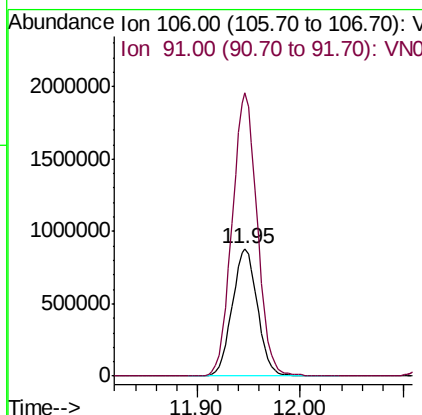
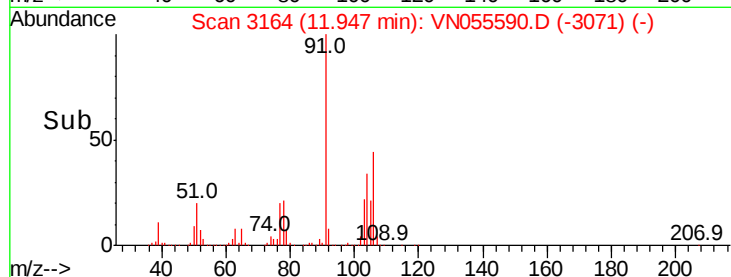
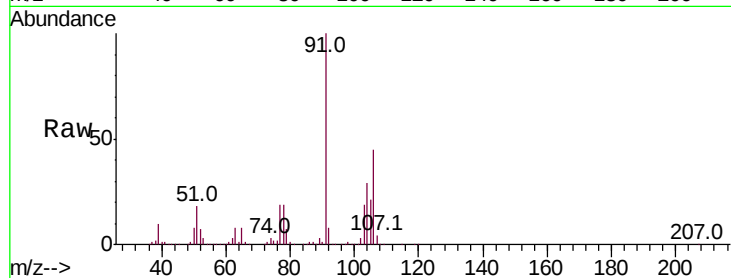
#69  
o-Xylene  
Concen: 98.435 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion:106 Resp: 1502840  
Ion Ratio Lower Upper  
106 100  
91 220.3 110.2 330.6

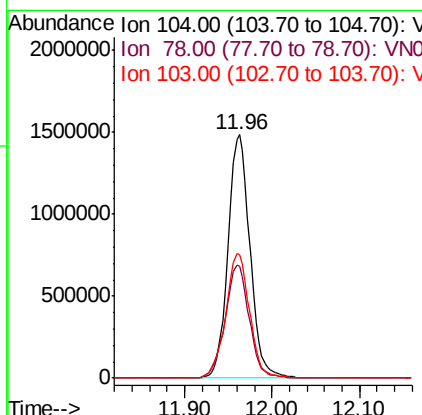
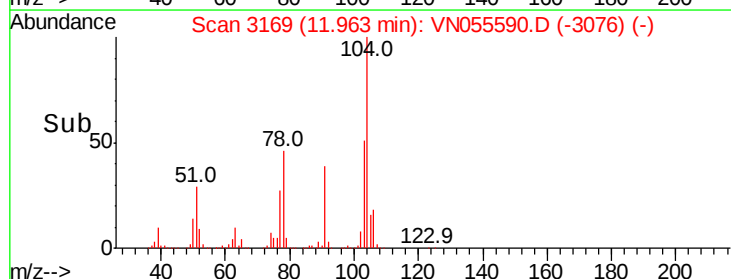
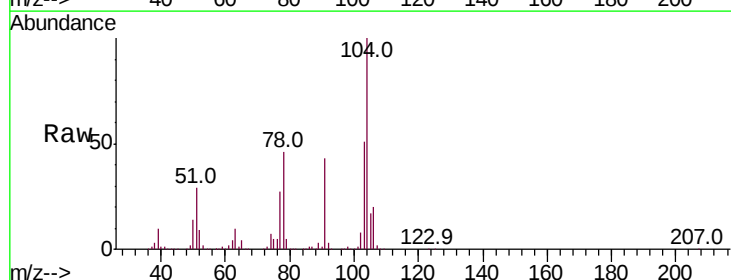
Manual Integrations  
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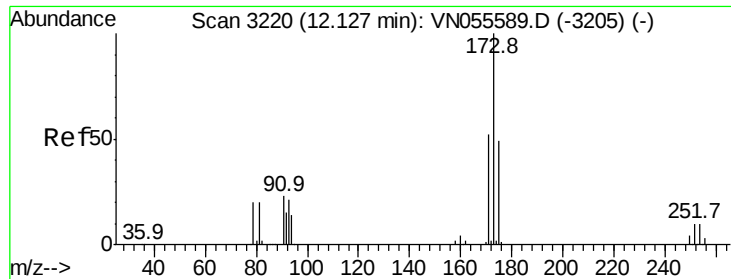
MMDadoda  
5/16/2019 1:31:53 PM



#70  
Styrene  
Concen: 106.309 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion:104 Resp: 2593867  
Ion Ratio Lower Upper  
104 100  
78 50.7 40.8 61.2  
103 55.4 44.6 67.0





#71

Bromoform

Concen: 108.925 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 582849

Ion Ratio Lower Upper

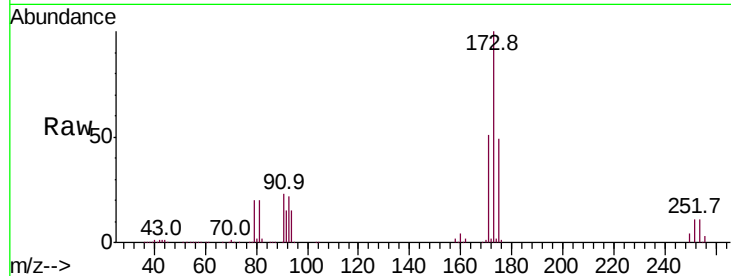
173 100

175 48.8 24.4 73.4

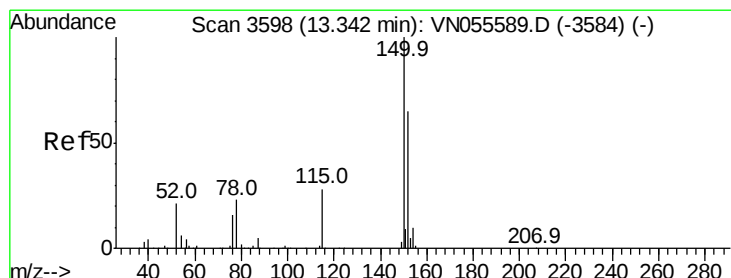
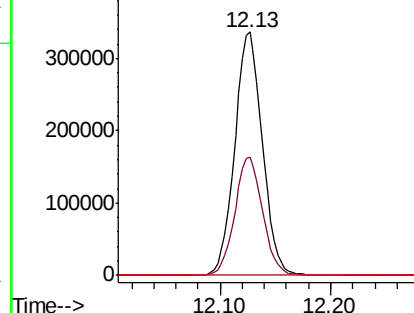
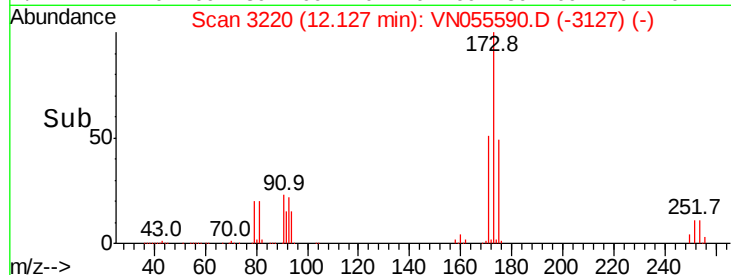
254 0.2 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

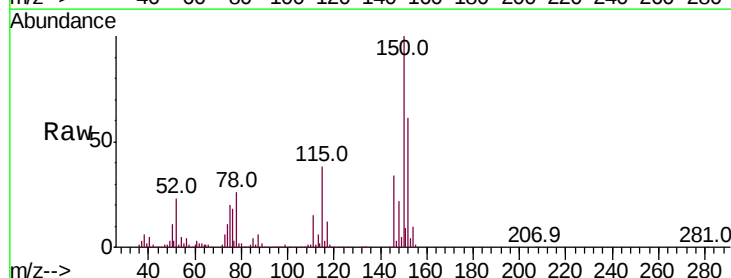
Tgt Ion:152 Resp: 495459

Ion Ratio Lower Upper

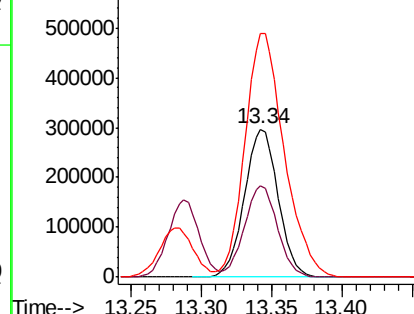
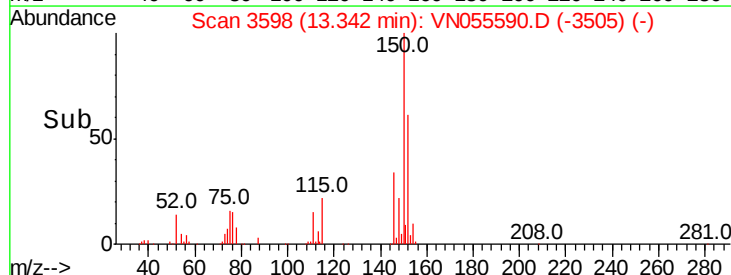
152 100

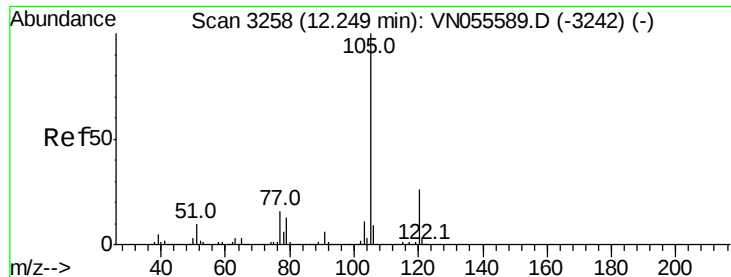
115 60.8 29.8 89.4

150 191.7 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 81.992 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3969893

Ion Ratio Lower Upper

105 100

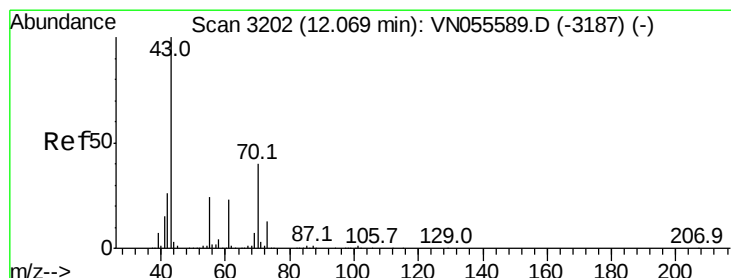
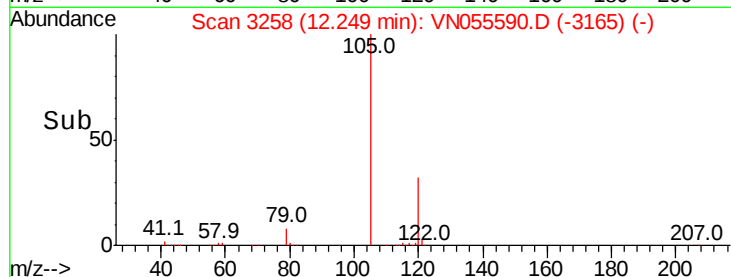
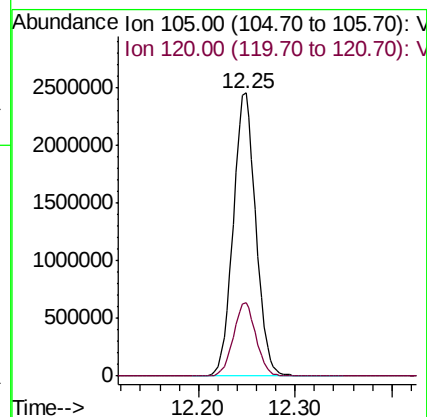
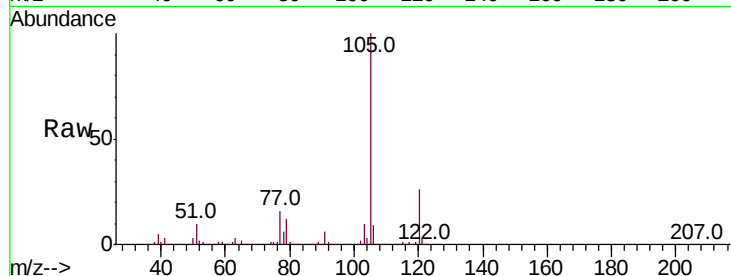
120 25.9 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 88.242 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Tgt Ion: 43 Resp: 1620268

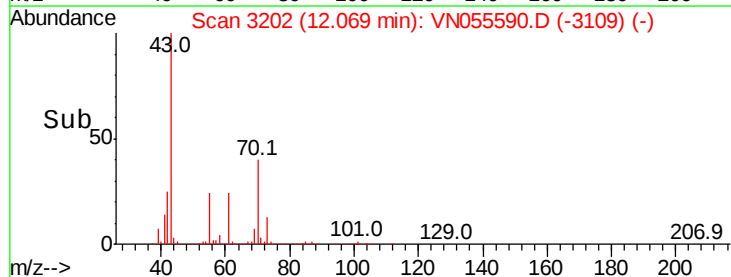
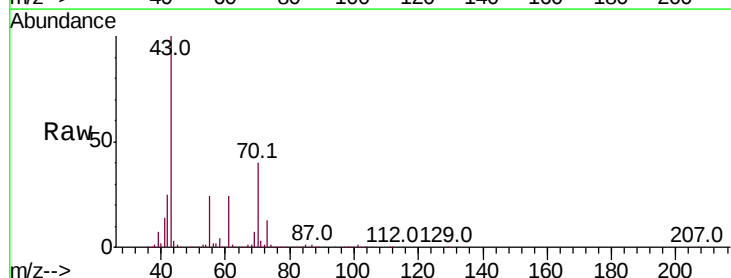
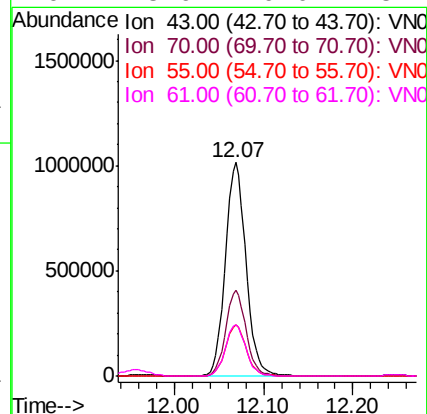
Ion Ratio Lower Upper

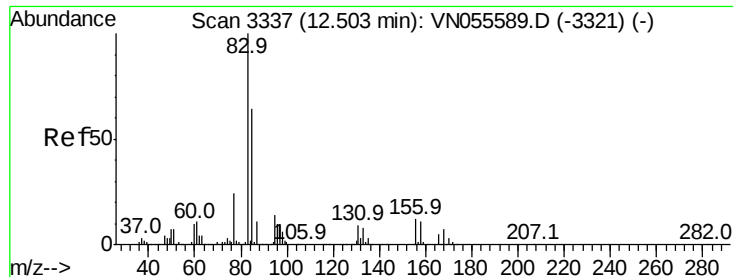
43 100

70 39.8 31.8 47.6

55 24.1 19.7 29.5

61 23.9 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 77.184 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1211432

Ion Ratio Lower Upper

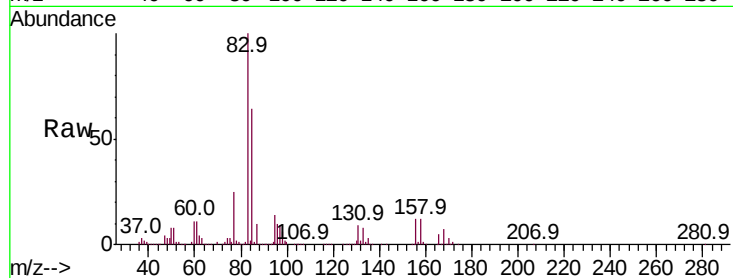
83 100

131 9.2 4.6 13.8

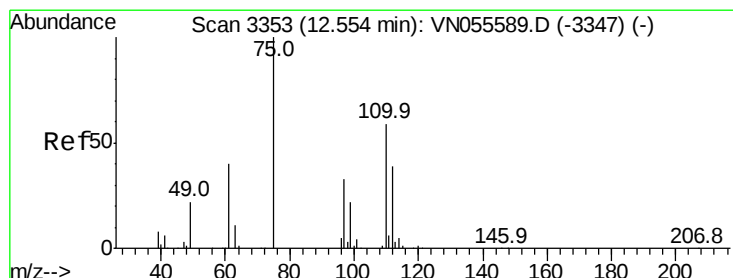
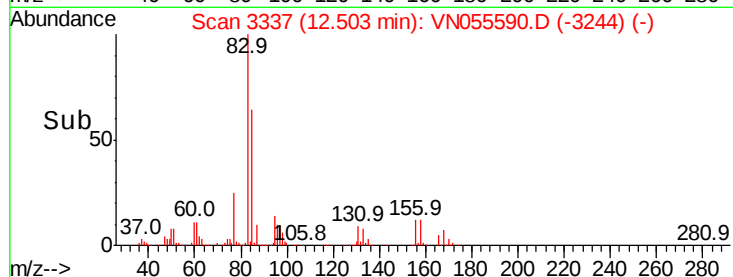
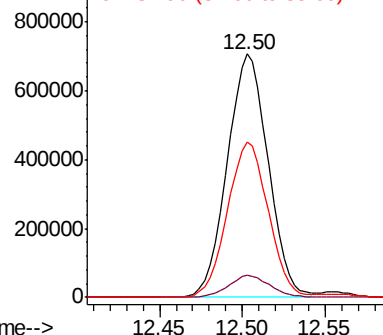
85 64.0 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 130.80 (130.50 to 131.50): VNO  
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 81.346 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055590.D

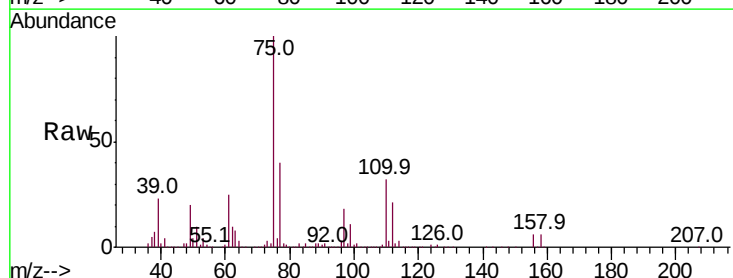
Acq: 14 May 2019 13:12

Tgt Ion: 75 Resp: 1078718

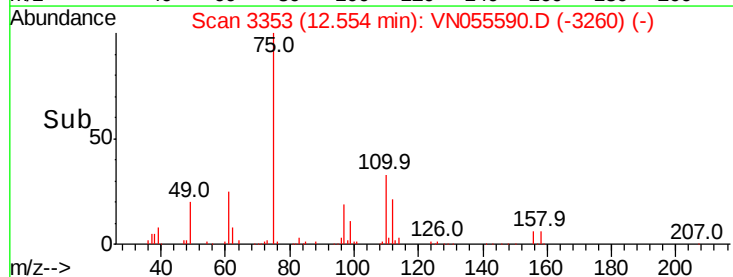
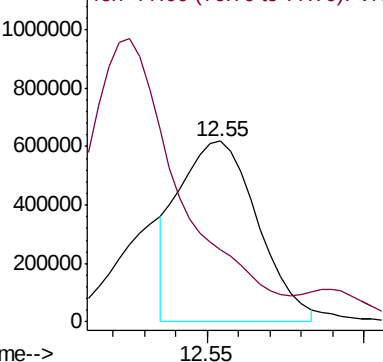
Ion Ratio Lower Upper

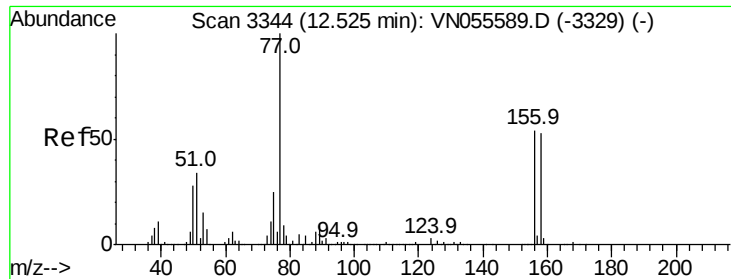
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 86.367 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 942669

Ion Ratio Lower Upper

156 100

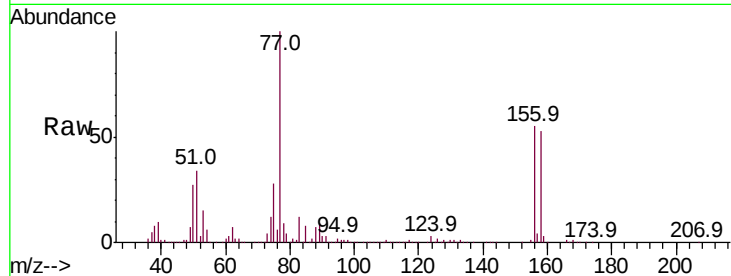
77 218.6 108.9 326.7

158 97.1 48.1 144.3

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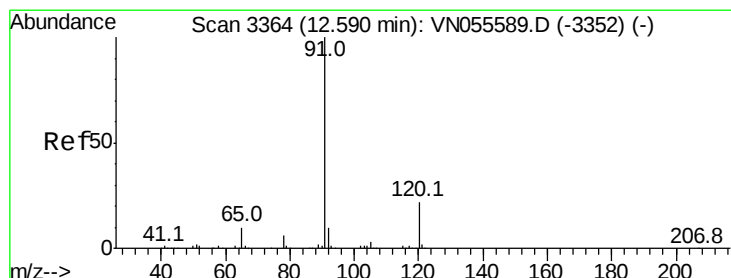
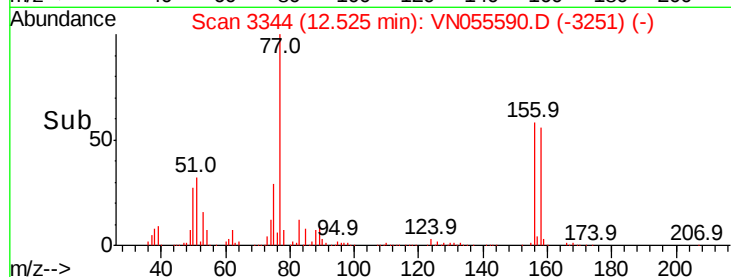
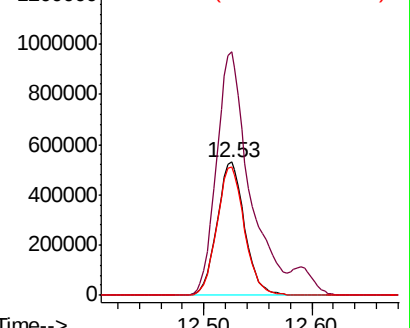
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 86.930 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055590.D

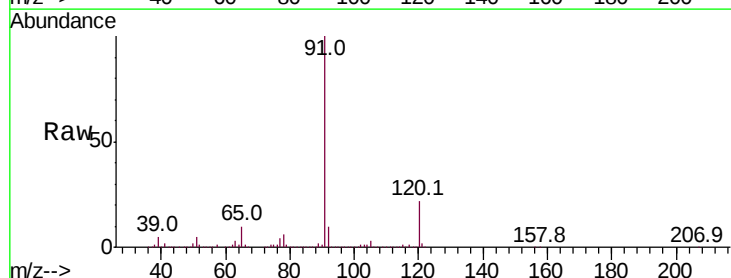
Acq: 14 May 2019 13:12

Tgt Ion: 91 Resp: 4593897

Ion Ratio Lower Upper

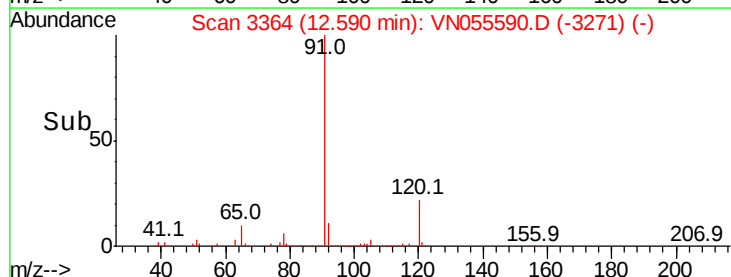
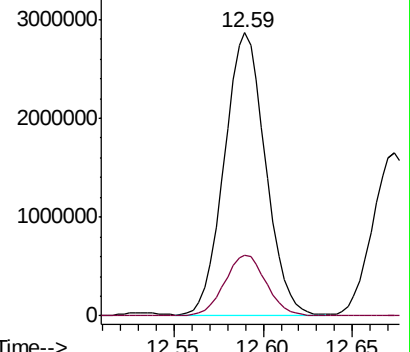
91 100

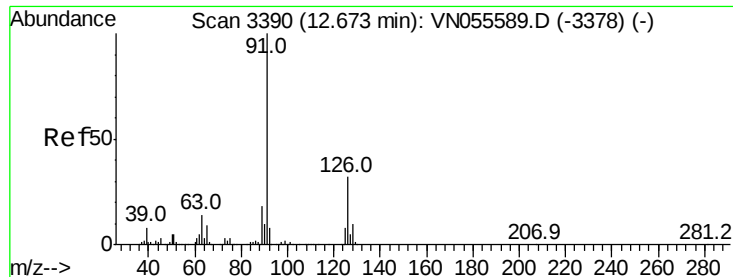
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 83.412 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2743036

Ion Ratio Lower Upper

91 100

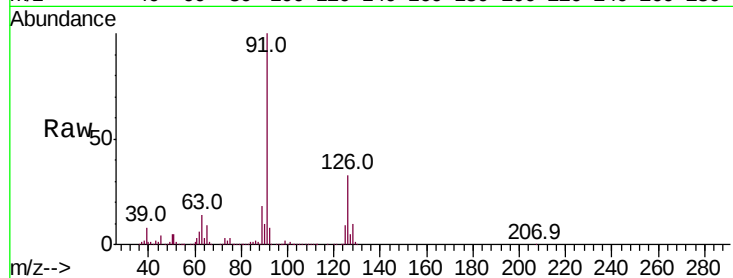
126 33.2 16.6 49.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055589.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055589.D (-3378) (-)

2500000

2000000

1500000

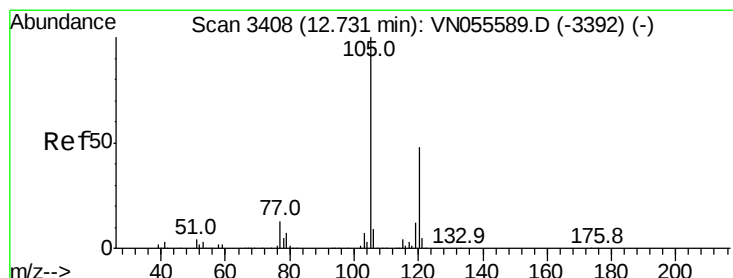
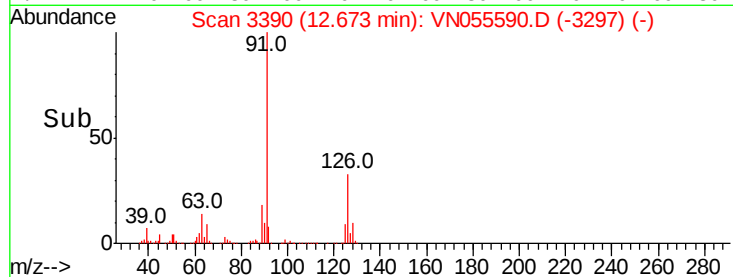
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 86.125 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055590.D

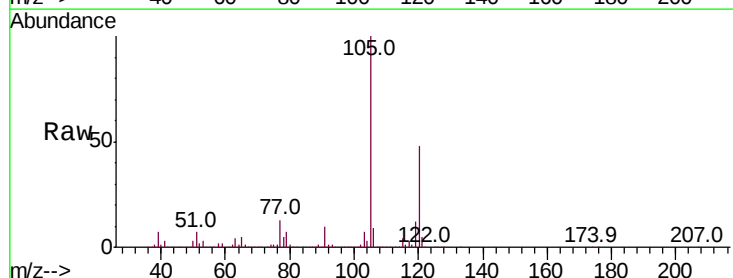
Acq: 14 May 2019 13:12

Tgt Ion:105 Resp: 3388790

Ion Ratio Lower Upper

105 100

120 47.7 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): VN055589.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN055589.D (-3392) (-)

2500000

2000000

1500000

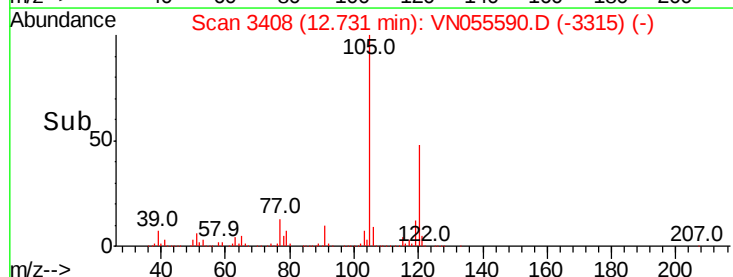
1000000

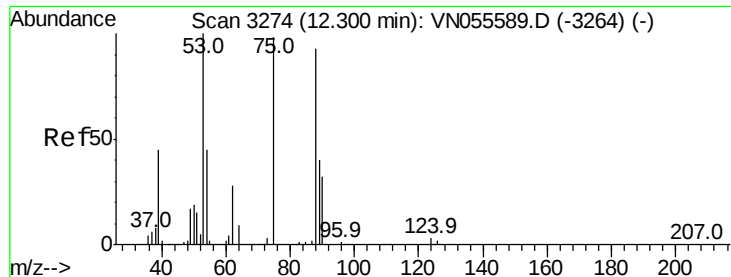
500000

0

12.70 12.73 12.76

Time-->





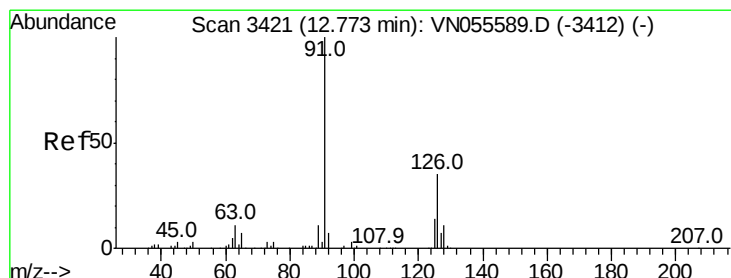
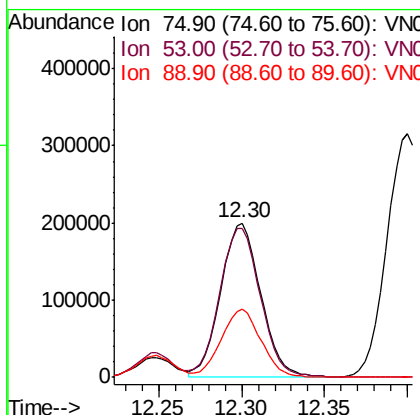
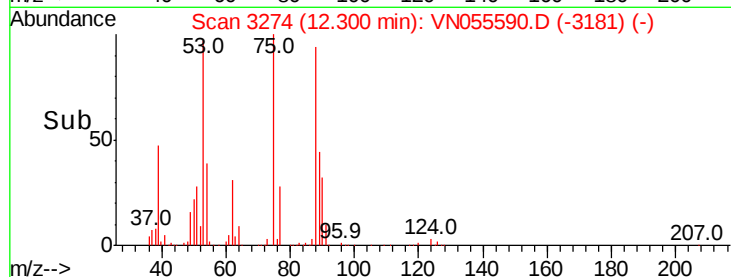
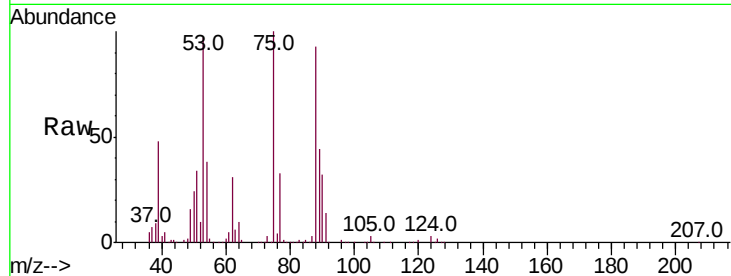
#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.863 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 99.9  | 83.9  | 125.9 |
| 89      | 44.3  | 34.7  | 52.1  |

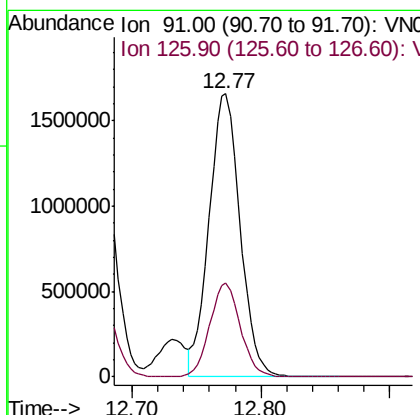
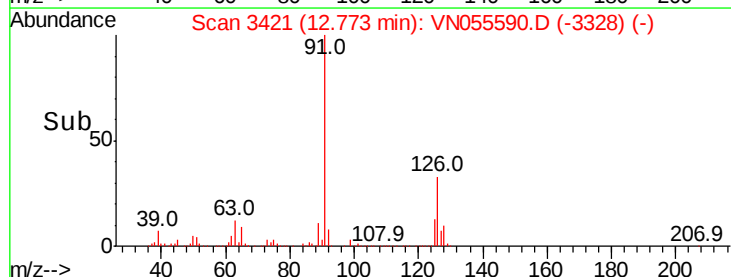
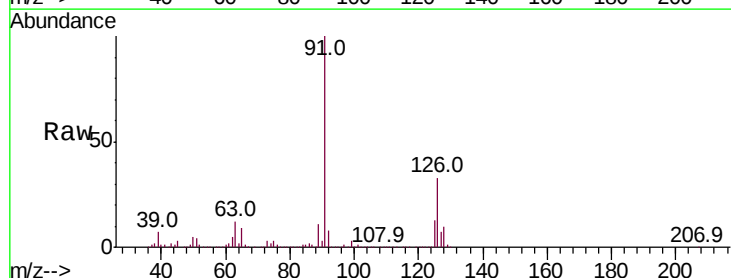
Manual Integrations  
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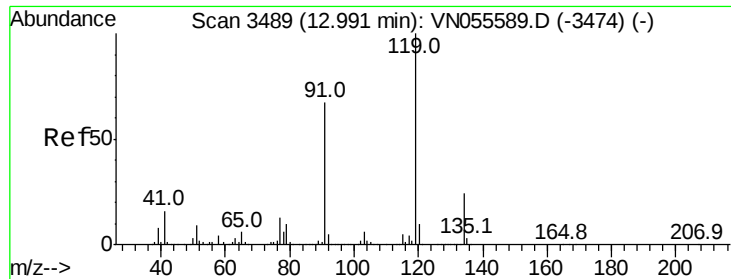
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#82  
4-Chlorotoluene  
Concen: 88.948 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.7  | 16.2  | 48.6  |





#83

tert-Butylbenzene

Concen: 82.119 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 2766474

Ion Ratio Lower Upper

119 100

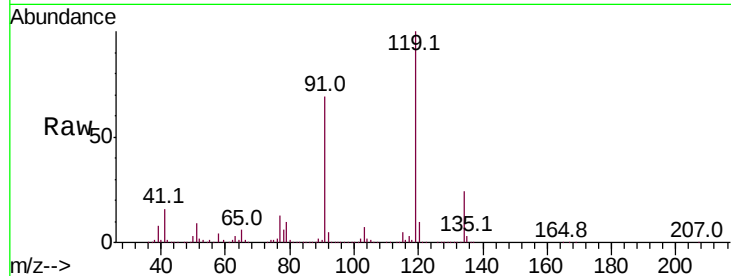
91 67.5 33.5 100.4

134 26.0 12.7 38.1

Manual Integrations  
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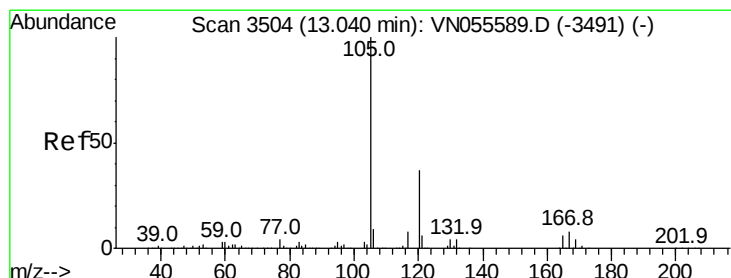
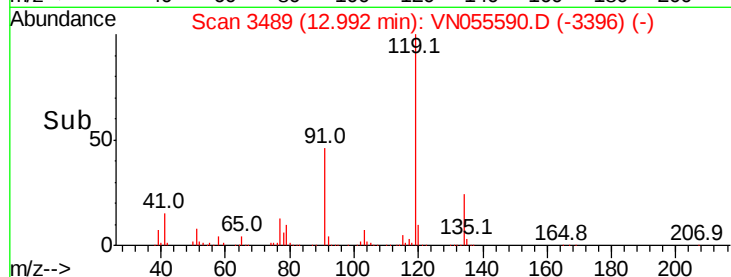
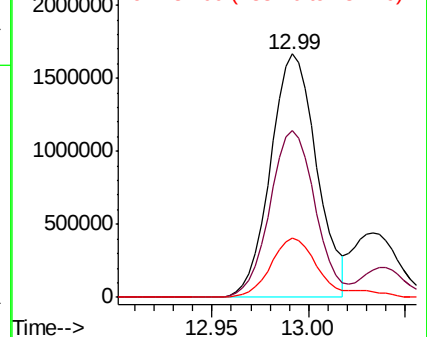
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 92.767 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055590.D

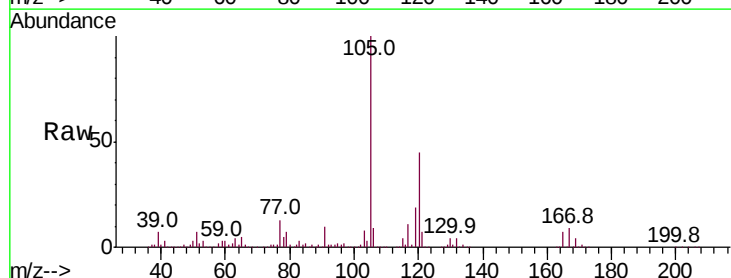
Acq: 14 May 2019 13:12

Tgt Ion:105 Resp: 3346534

Ion Ratio Lower Upper

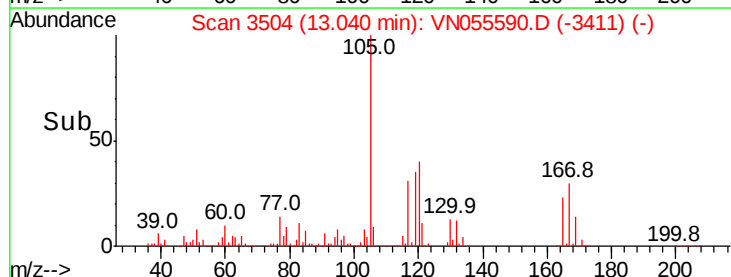
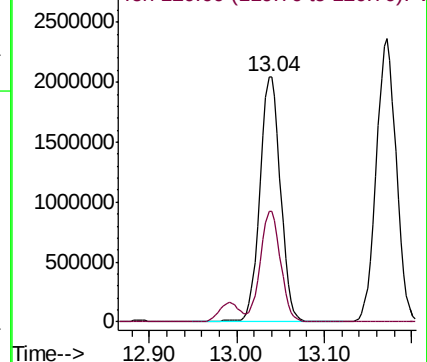
105 100

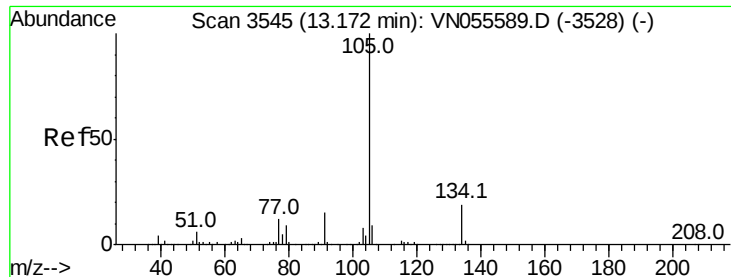
120 44.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 83.689 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 3741966

Ion Ratio Lower Upper

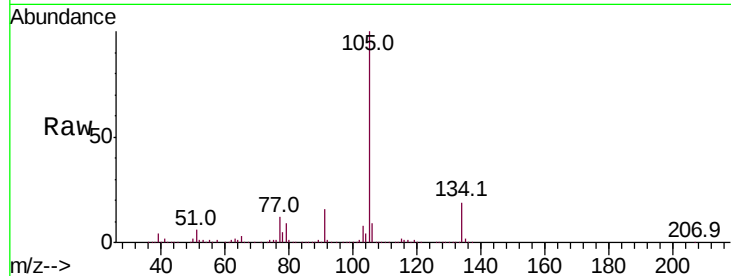
105 100

134 19.2 9.7 29.1

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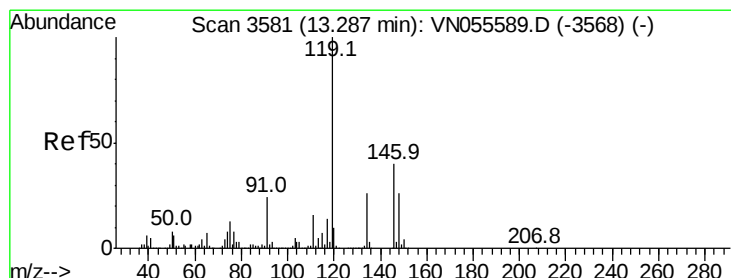
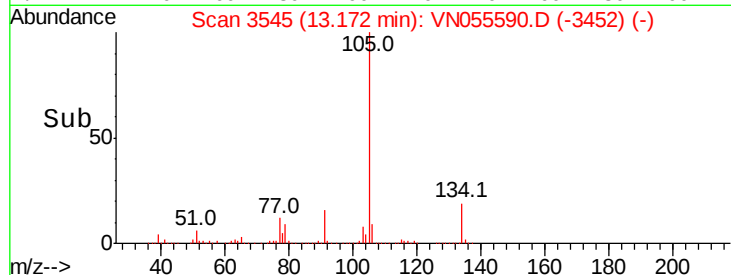
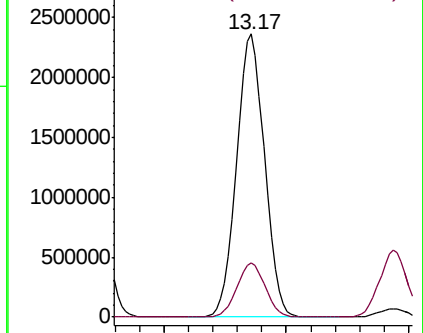
MMDadoda

5/16/2019 1:31:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 90.703 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

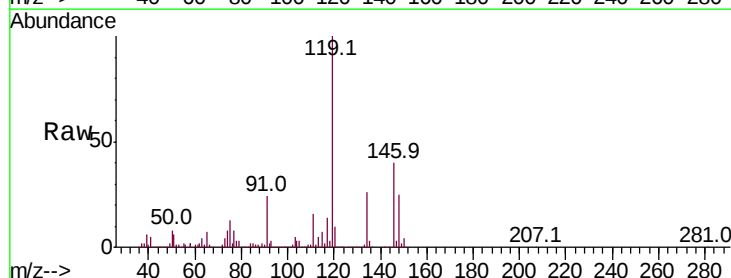
Tgt Ion:119 Resp: 3300037

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

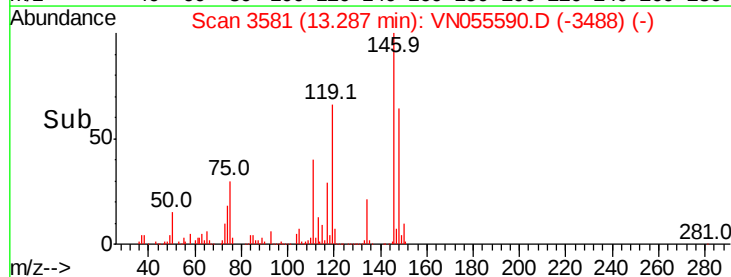
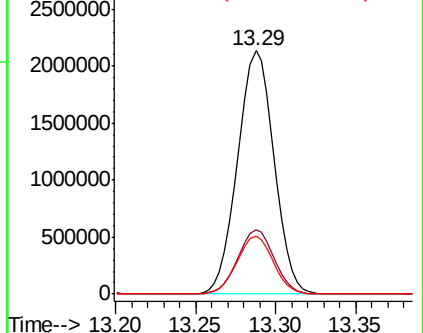
91 23.6 11.9 35.5

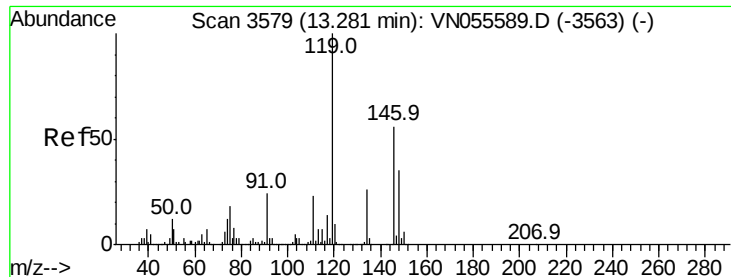


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





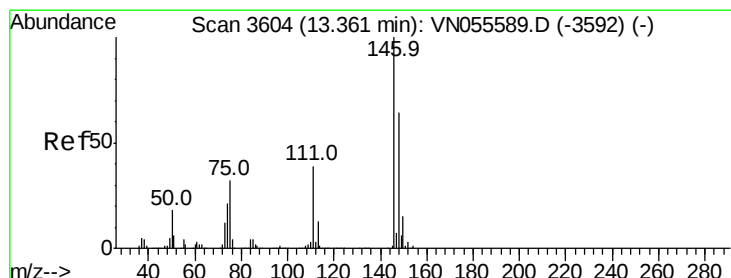
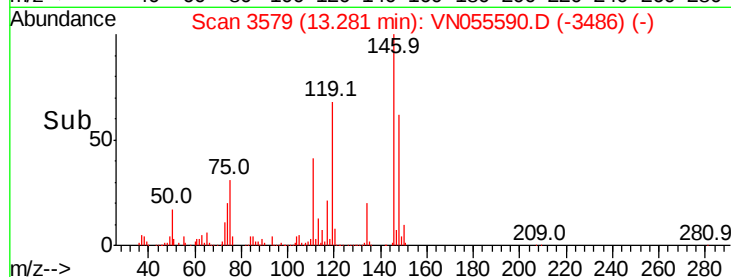
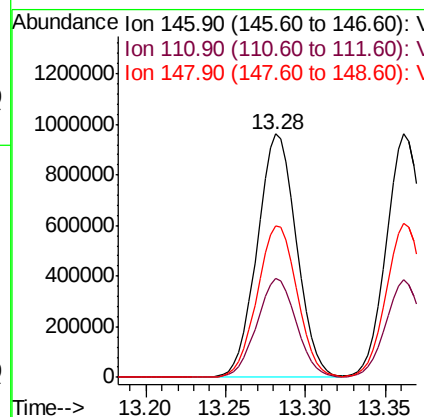
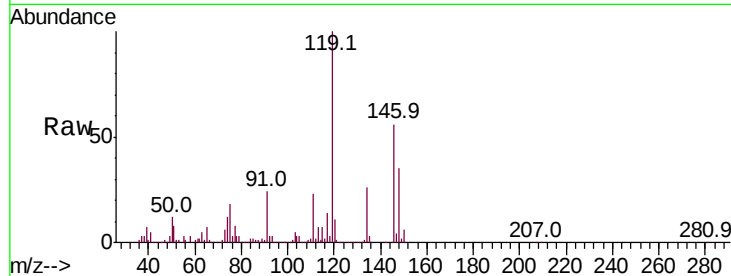
#87  
 1,3-Dichlorobenzene  
 Concen: 97.107 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055590.D  
 Acq: 14 May 2019 13:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

Tot Ion:146 Resp: 1631749  
 Ion Ratio Lower Upper  
 146 100  
 111 40.4 20.5 61.5  
 148 63.4 32.3 96.9

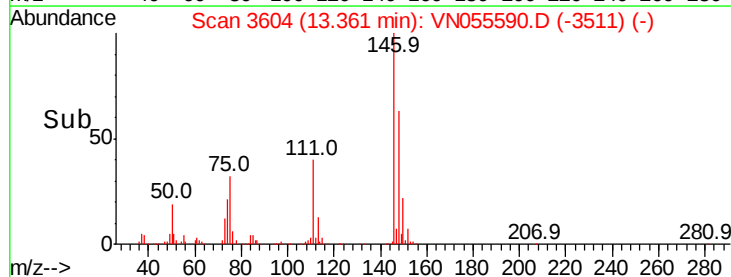
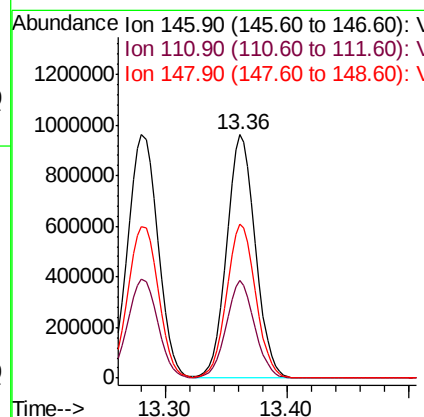
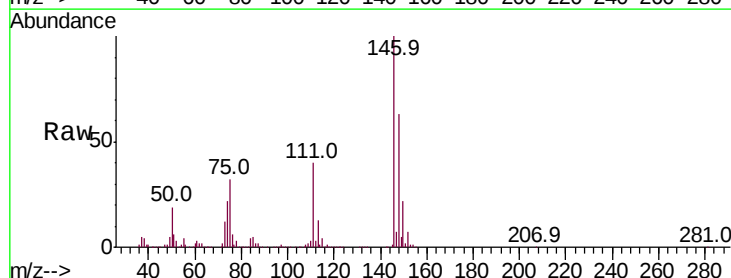
Manual Integrations  
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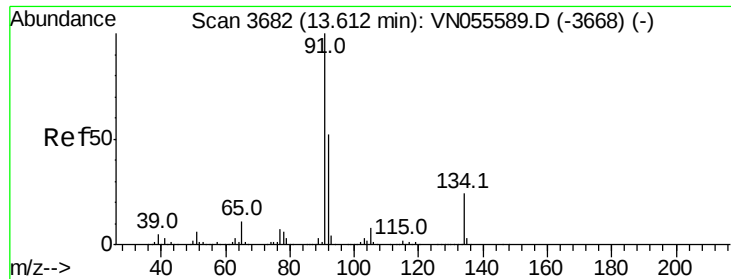
MMDadoda  
 5/16/2019 1:31:53 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 95.807 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN055590.D  
 Acq: 14 May 2019 13:12

Tgt Ion:146 Resp: 1590679  
 Ion Ratio Lower Upper  
 146 100  
 111 39.4 19.7 59.0  
 148 63.8 31.8 95.4





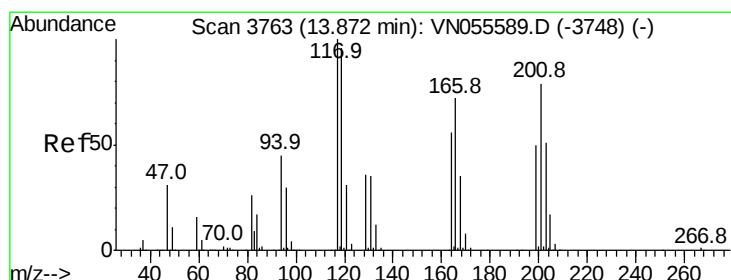
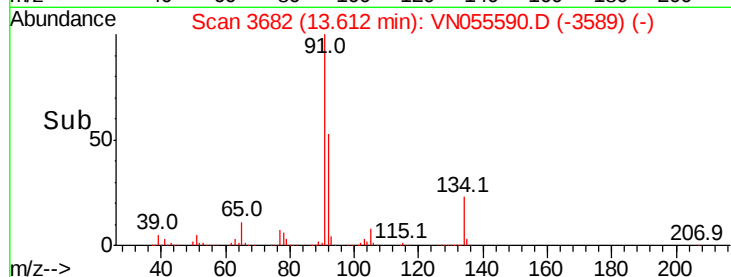
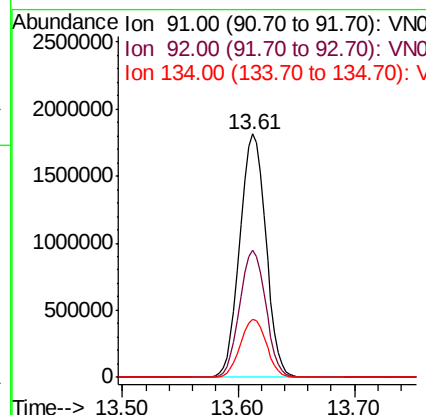
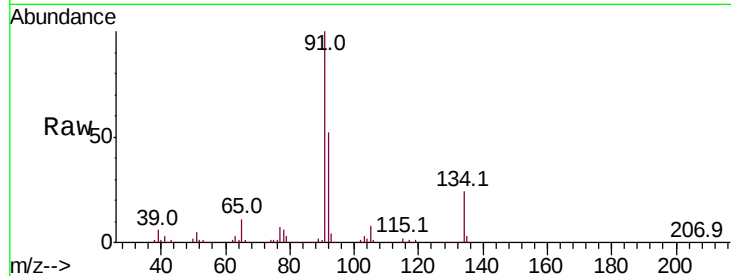
#89  
n-Butylbenzene  
Concen: 100.879 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.2  | 25.9  | 77.8  |
| 134     | 24.2  | 12.2  | 36.4  |

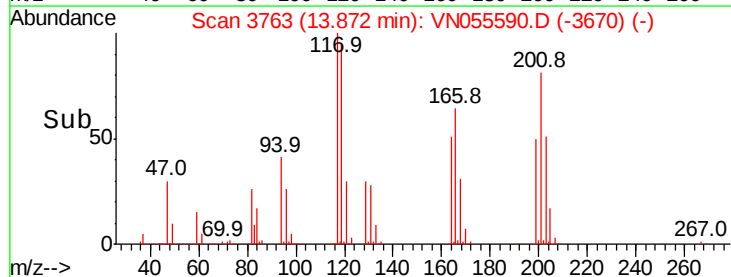
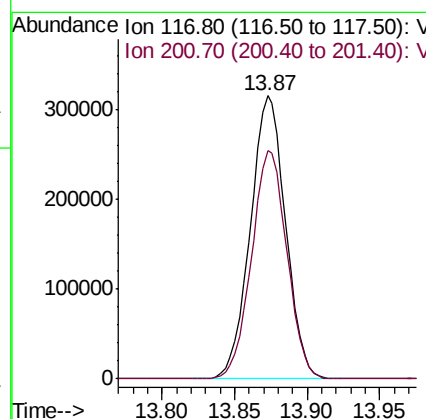
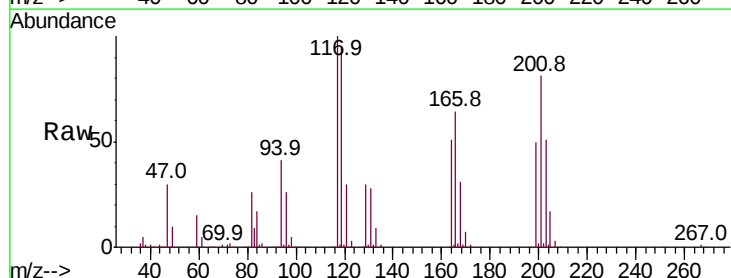
Manual Integrations  
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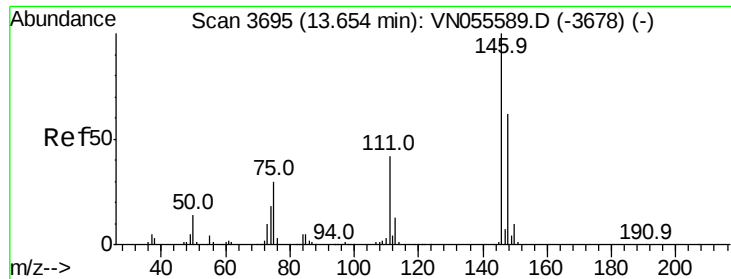
MMDadoda  
5/16/2019 1:31:53 PM



#90  
Hexachloroethane  
Concen: 89.622 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.1  | 40.6  | 121.8 |





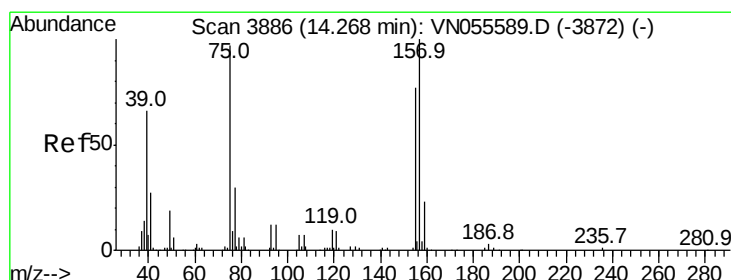
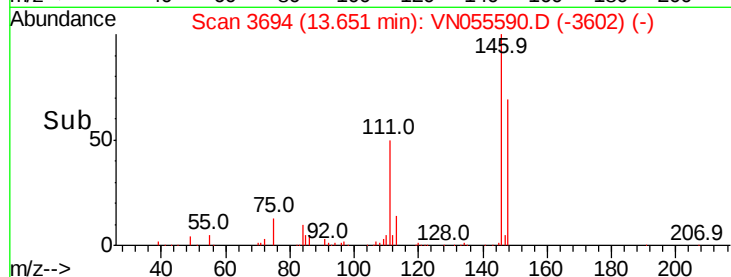
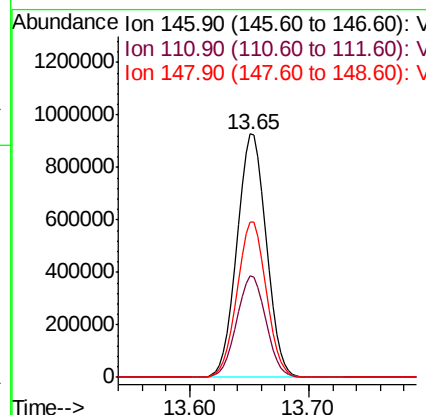
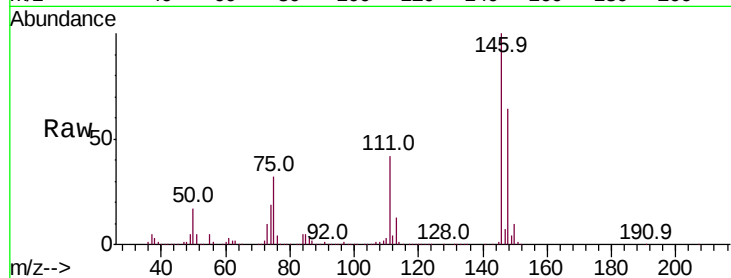
#91  
1,2-Dichlorobenzene  
Concen: 94.321 ug/l  
RT: 13.65 min Scan# 3694  
Delta R.T. -0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tot Ion:146 Resp: 1586024  
Ion Ratio Lower Upper  
146 100  
111 41.6 21.0 63.0  
148 63.5 31.3 93.9

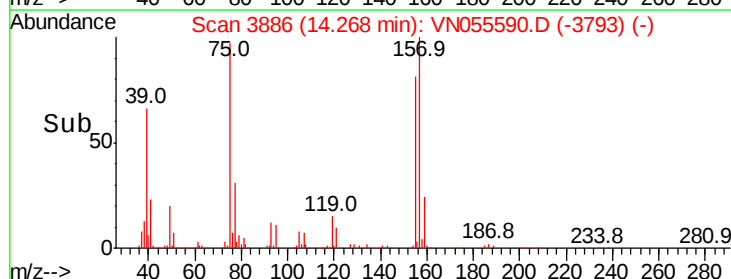
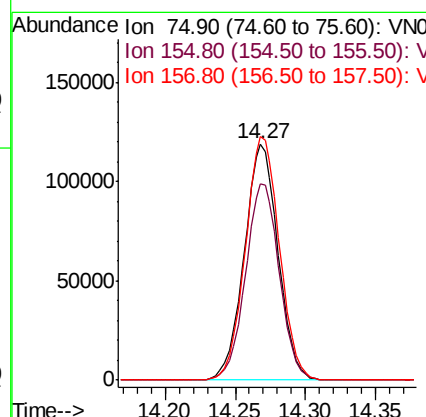
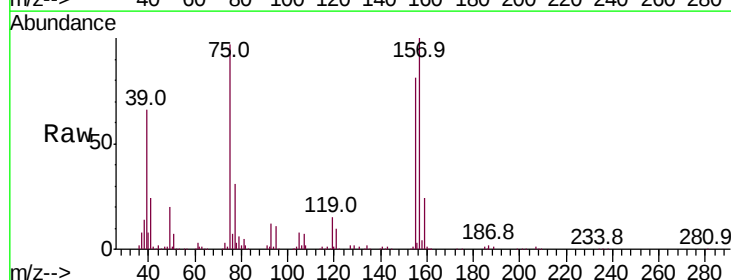
Manual Integrations  
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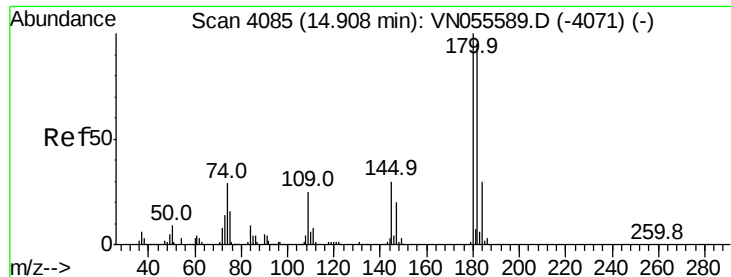
MMDadoda  
5/16/2019 1:31:53 PM



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 89.561 ug/l  
RT: 14.27 min Scan# 3886  
Delta R.T. 0.00 min  
Lab File: VN055590.D  
Acq: 14 May 2019 13:12

Tgt Ion: 75 Resp: 199400  
Ion Ratio Lower Upper  
75 100  
155 83.0 40.4 121.1  
157 103.7 52.1 156.4





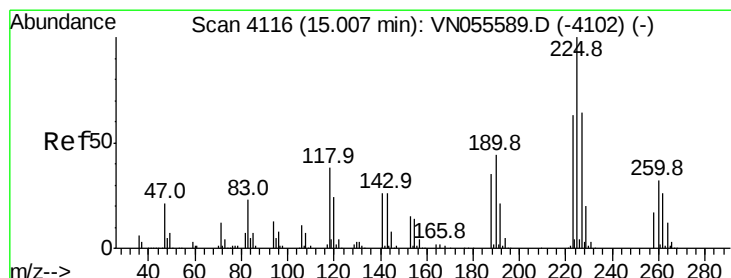
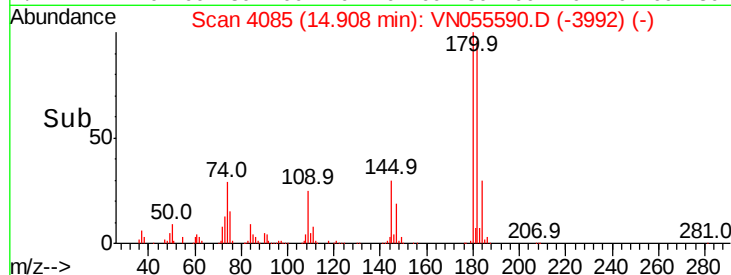
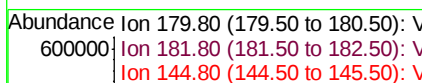
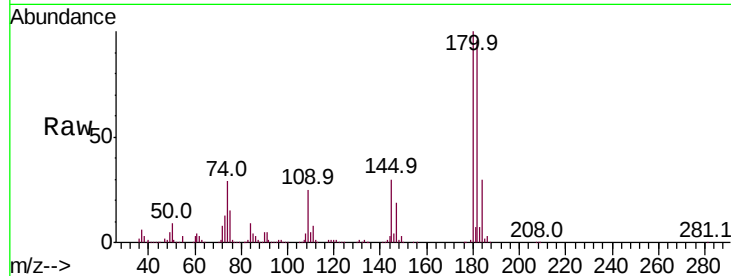
#93  
 1,2,4-Trichlorobenzene  
 Concen: 130.092 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055590.D  
 Acq: 14 May 2019 13:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 739834 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.4  | 47.4  | 142.3  |
| 145       | 30.4  | 14.9  | 44.7   |

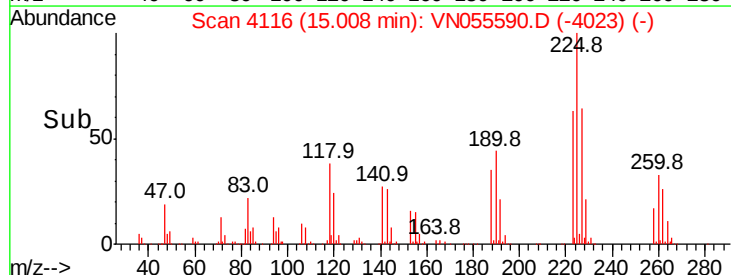
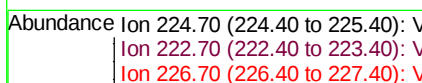
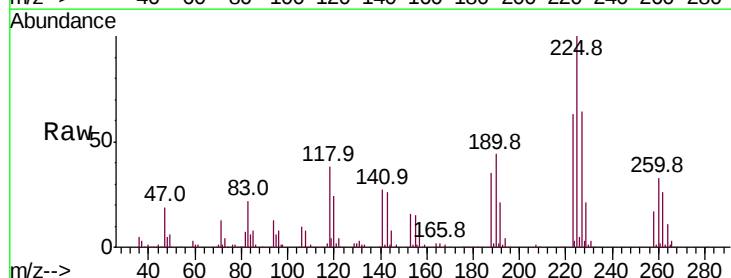
Manual Integrations  
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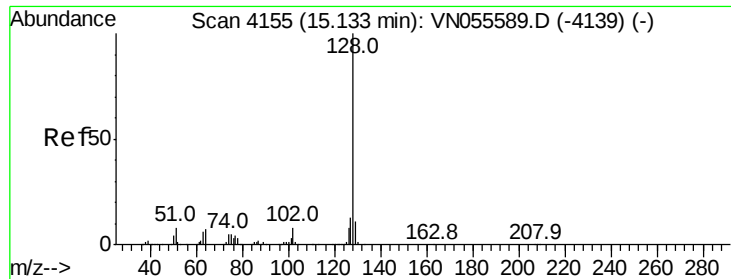
MMDadoda  
 5/16/2019 1:31:53 PM



#94  
 Hexachlorobutadiene  
 Concen: 75.643 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055590.D  
 Acq: 14 May 2019 13:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 455595 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.6  | 31.6  | 95.0   |
| 227       | 64.9  | 32.4  | 97.0   |





#95

Naphthalene

Concen: 118.371 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1967062

Ion Ratio Lower Upper

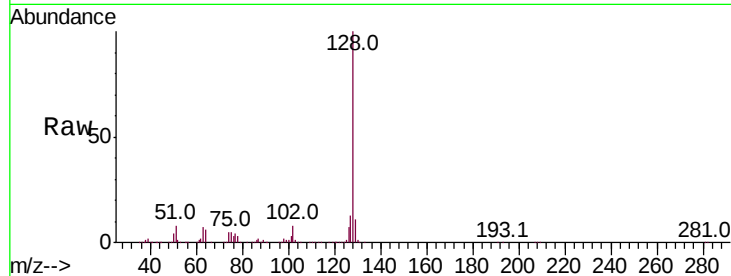
128 100

127 12.8 10.4 15.6

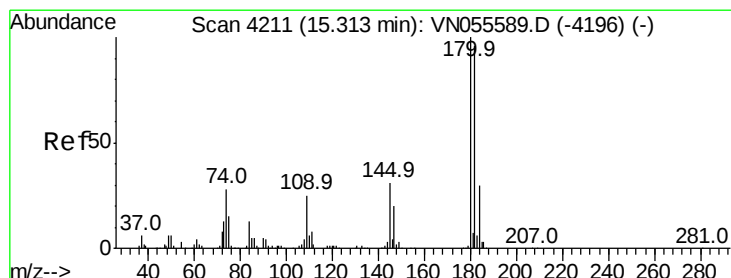
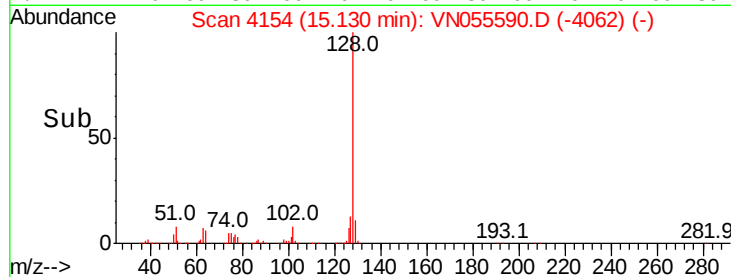
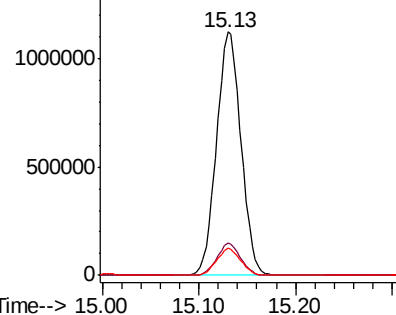
129 10.8 8.8 13.2

Manual Integrations  
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Abundance Ion 128.00 (127.70 to 128.70): V  
1500000 Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 116.573 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055590.D

Acq: 14 May 2019 13:12

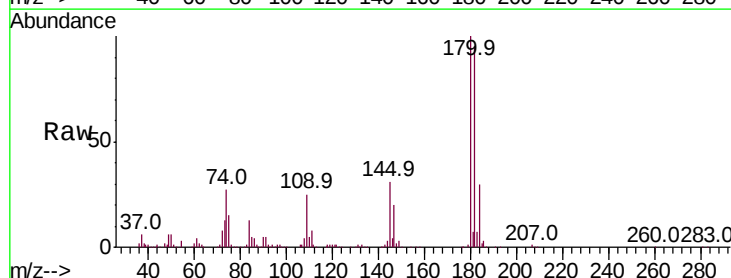
Tgt Ion:180 Resp: 777251

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.6

145 31.4 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V  
600000 Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

