

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\  
 Data File : VN055265.D  
 Acq On : 26 Apr 2019 10:07  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/29/2019 10:56:52 AM

Quant Time: Apr 27 02:11:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042219W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:52:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 428249   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 671195   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 565139   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 229078   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 284442   | 49.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.14%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 226443   | 49.66 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.32%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 841354   | 49.80 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.60%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 269567   | 50.39 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.78% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 284868  | 51.663  | ug/l   | 100    |
| 3) Chloromethane              | 2.06 | 50  | 317225  | 46.951  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 257790  | 47.616  | ug/l   | 96     |
| 5) Bromomethane               | 2.55 | 94  | 141764  | 45.152  | ug/l   | 97     |
| 6) Chloroethane               | 2.70 | 64  | 136942  | 47.991  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 368512  | 50.018  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 129877  | 49.389  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 227149  | 49.408  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.95 | 142 | 327965  | 50.870  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 4.79 | 59  | 86529   | 255.696 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 215723  | 48.962  | ug/l   | 98     |
| 13) Acrolein                  | 3.61 | 56  | 185139  | 360.589 | ug/l   | 98     |
| 14) Allyl chloride            | 4.32 | 41  | 442172  | 50.765  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 460303  | 248.020 | ug/l   | 100    |
| 16) Acetone                   | 3.82 | 43  | 465834  | 243.103 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.05 | 76  | 594234  | 48.243  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.33 | 43  | 213856  | 51.982  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 614049  | 50.408  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.55 | 84  | 249254  | 45.247  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 225754  | 48.863  | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.95 | 45  | 884400  | 50.939  | ug/l   | 97     |
| 23) Vinyl Acetate             | 5.89 | 43  | 3081357 | 264.107 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 456367  | 48.868  | ug/l   | 100    |
| 25) 2-Butanone                | 6.83 | 43  | 598727  | 242.019 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 331385  | 52.438  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 262826  | 49.349  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.19 | 49  | 232326  | 48.804  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 371085  | 243.966 | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83  | 429204  | 48.317  | ug/l   | 96     |
| 31) Cyclohexane               | 7.65 | 56  | 432819  | 49.492  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 358316  | 50.208  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 325684  | 52.279  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 241871  | 48.109  | ug/l # | 91     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 304837  | 52.254  | ug/l   | 98     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/29/2019 10:56:52 AM

Quant Time: Apr 27 02:11:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042219W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:52:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 361456   | 48.635  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 975894   | 50.747  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 122368   | 46.425  | ug/l # | 85       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 337337   | 50.281  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 423855   | 52.062  | ug/l   | 100      |
| 44) Trichloroethene            | 8.83  | 130  | 246777   | 50.771  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 273750   | 50.429  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 153017   | 49.241  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.40  | 83   | 331043   | 53.215  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 200389   | 50.742  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 45063    | 988.091 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1169614  | 249.663 | ug/l   | 100      |
| 52) Toluene                    | 10.15 | 92   | 560919   | 49.755  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 316217   | 55.389  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 381483   | 53.847  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 204872   | 49.292  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 278477   | 53.784  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 366281   | 50.652  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 457414   | 230.207 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 748398   | 252.912 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 226453   | 52.896  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 199706   | 51.105  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 230898   | 50.083  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 573869   | 49.750  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 222809   | 52.116  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1062865  | 51.727  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 769096   | 104.360 | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 373671   | 51.092  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 611010   | 53.897  | ug/l   | 98       |
| 71) Bromoform                  | 12.13 | 173  | 135249   | 53.013  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1007611  | 54.965  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 306661   | 51.923  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 247572   | 53.309  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 211988m  | 45.615  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 237932   | 47.048  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1122207  | 48.848  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 668174   | 46.060  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 818328   | 47.719  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 62288    | 50.808  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 651769   | 48.833  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 691208   | 53.809  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 788299   | 48.712  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 890922   | 45.922  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 776114   | 48.557  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 385266   | 49.626  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 365302   | 48.331  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 606413   | 51.186  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 132498   | 46.741  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 371802   | 46.627  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 33327    | 47.910  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\  
Data File : VN055265.D  
Acq On : 26 Apr 2019 10:07  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

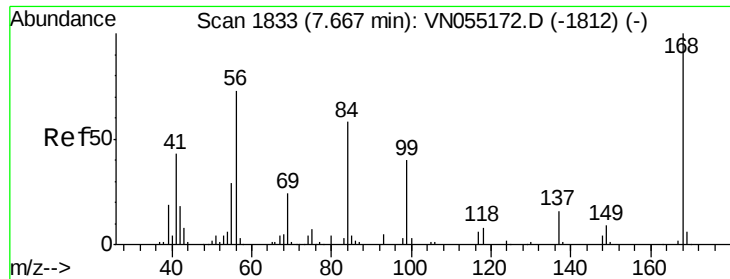
MMDadoda  
4/29/2019 10:56:52 AM

Quant Time: Apr 27 02:11:35 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042219W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 23 05:52:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 147178   | 44.035 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 126126   | 54.548 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 301027   | 41.496 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 150135   | 45.092 | 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: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 428249

Ion Ratio Lower Upper

168 100

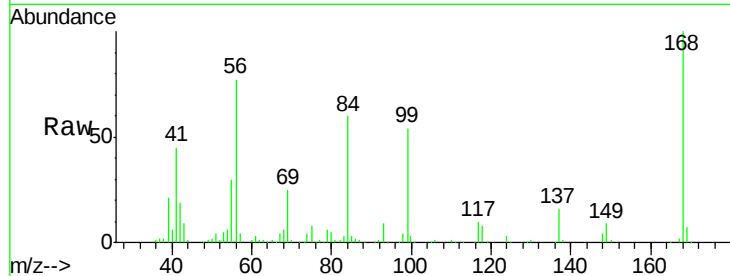
99 53.1 42.0 63.0

Manual Integrations

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4/29/2019 10:56:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

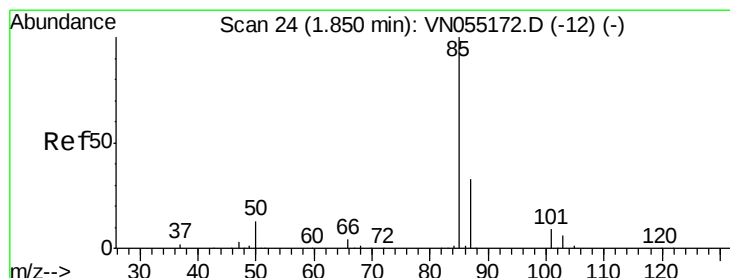
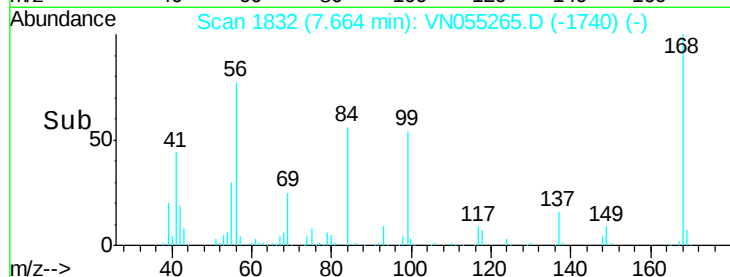
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.663 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055265.D

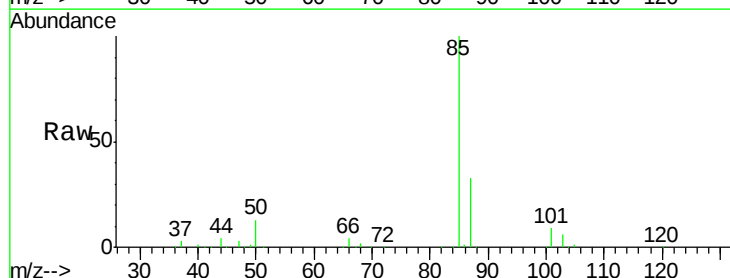
Acq: 26 Apr 2019 10:07

Tgt Ion: 85 Resp: 284868

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

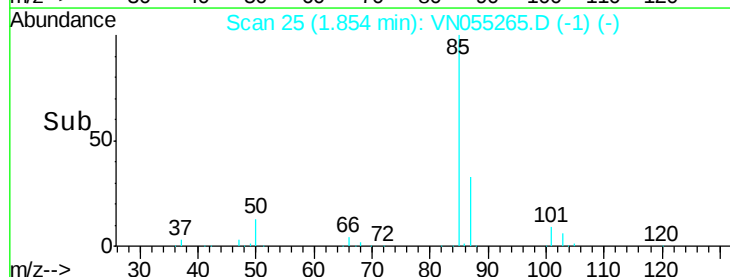
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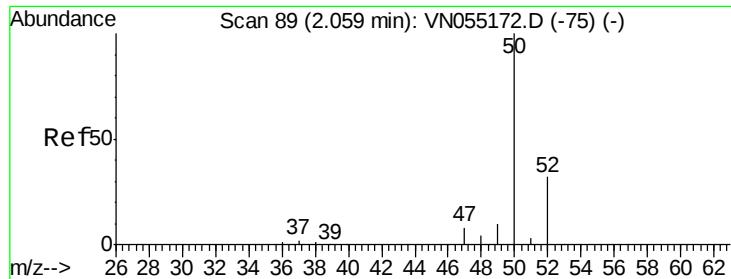
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.951 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Tot Ion: 50 Resp: 317225

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.6

Instrument :

MSVOA\_N

ClientSampleId :

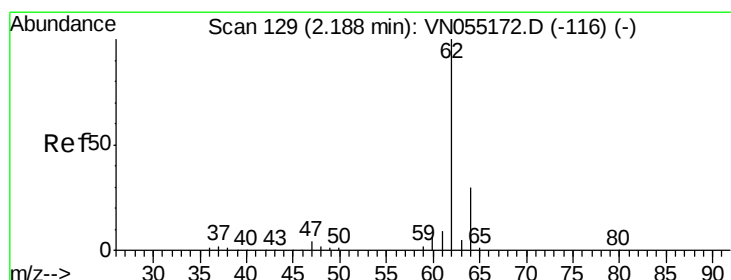
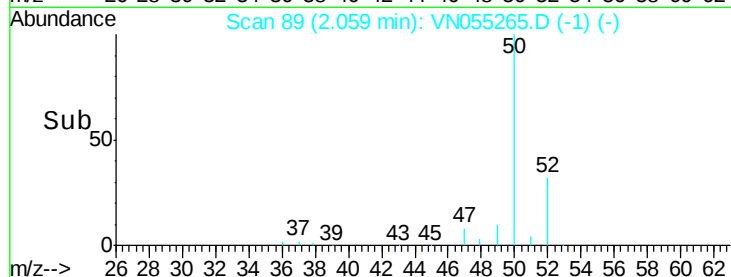
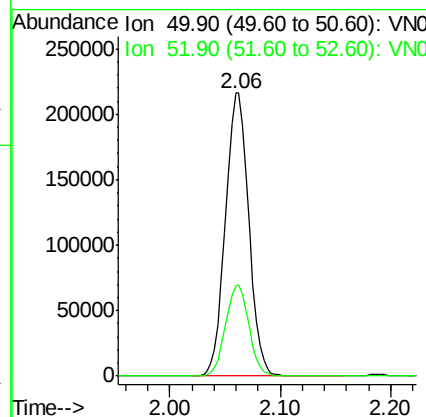
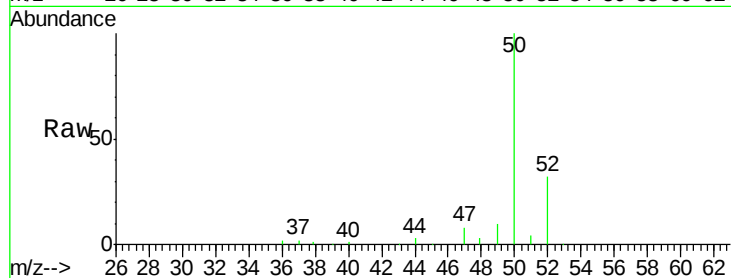
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

4/29/2019 10:56:52 AM



#4

Vinyl Chloride

Concen: 47.616 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055265.D

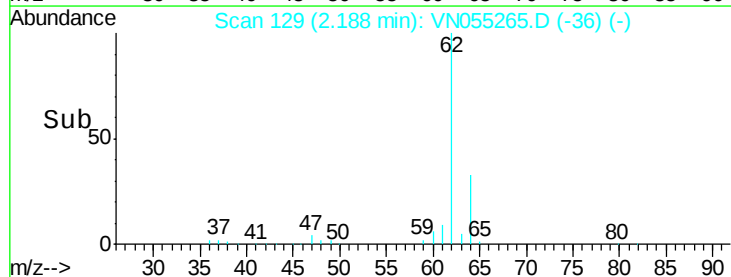
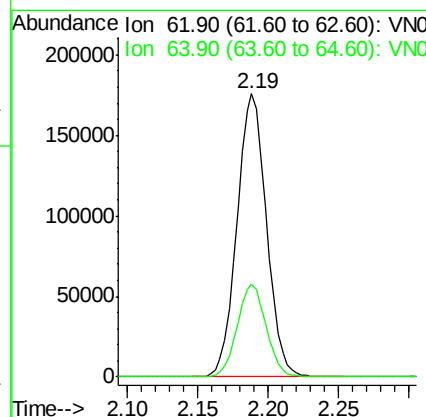
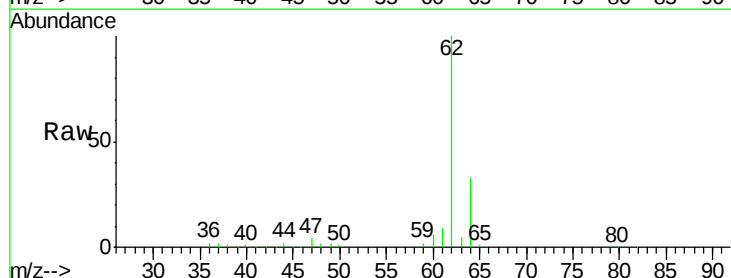
Acq: 26 Apr 2019 10:07

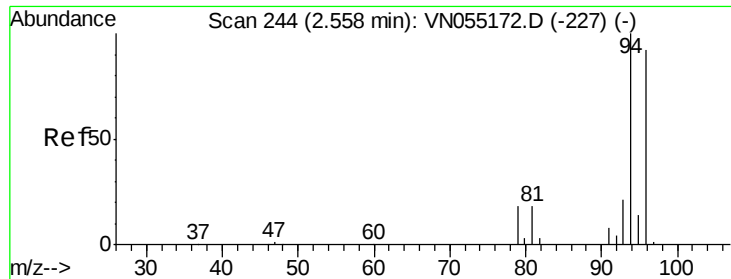
Tgt Ion: 62 Resp: 257790

Ion Ratio Lower Upper

62 100

64 32.7 24.2 36.4





#5

Bromomethane

Concen: 45.152 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 141764

Ion Ratio Lower Upper

94 100

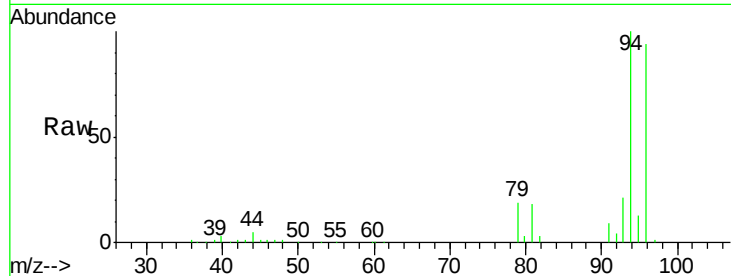
96 94.2 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

4/29/2019 10:56:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

80000

60000

40000

20000

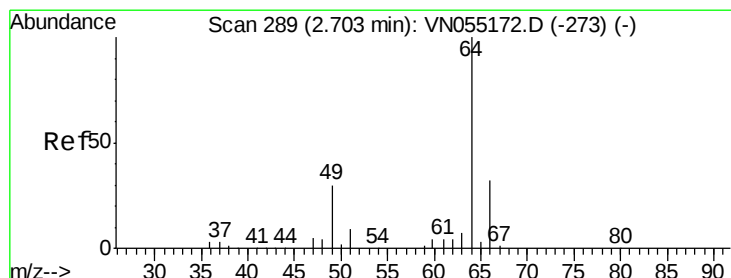
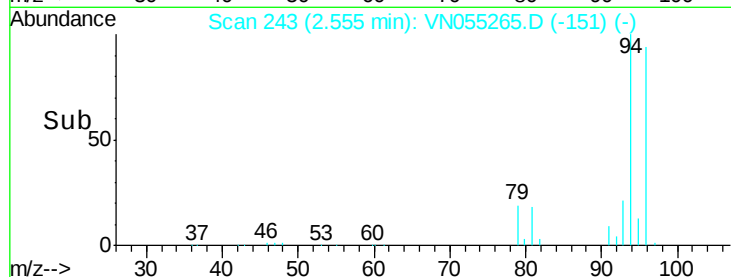
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 47.991 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN055265.D

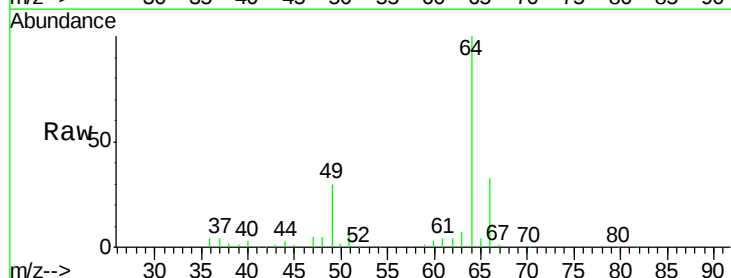
Acq: 26 Apr 2019 10:07

Tgt Ion: 64 Resp: 136942

Ion Ratio Lower Upper

64 100

66 32.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.70

80000

60000

40000

20000

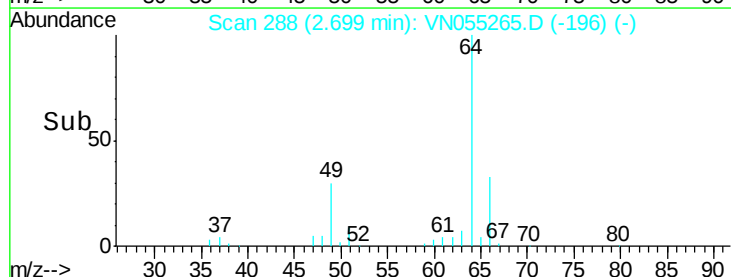
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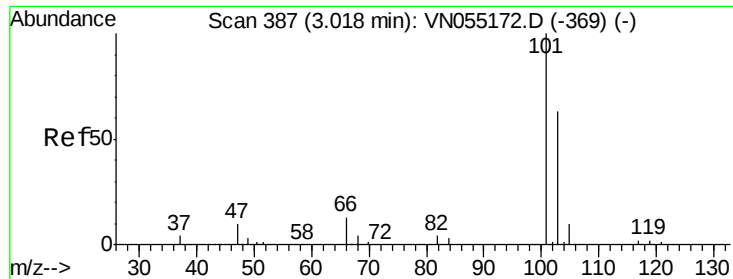
Time-->

2.60

2.70

2.80





#7

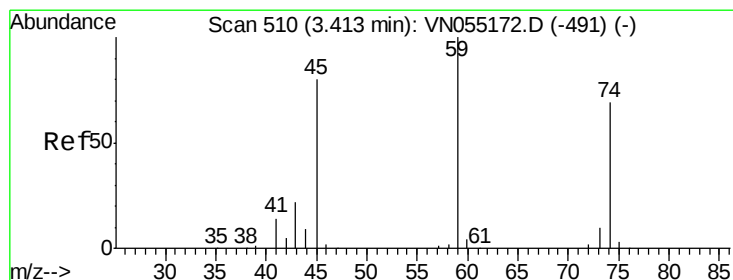
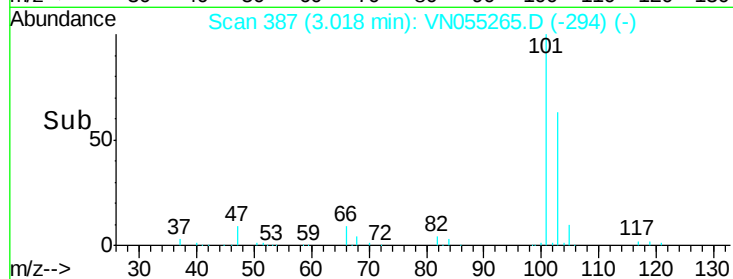
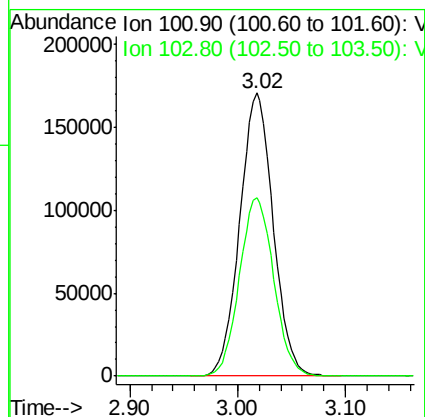
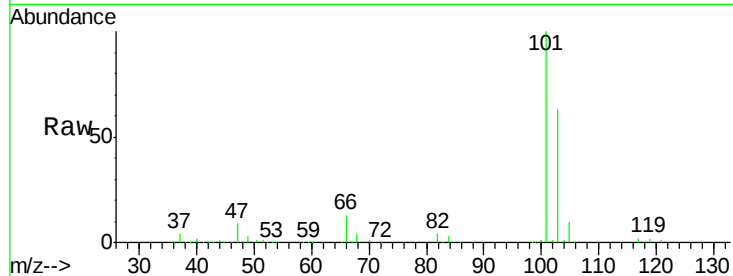
Trichlorofluoromethane  
Concen: 50.018 ug/l  
RT: 3.02 min Scan# 387  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:101 Resp: 368512  
Ion Ratio Lower Upper  
101 100  
103 63.2 50.1 75.1

Manual Integrations  
APPROVED

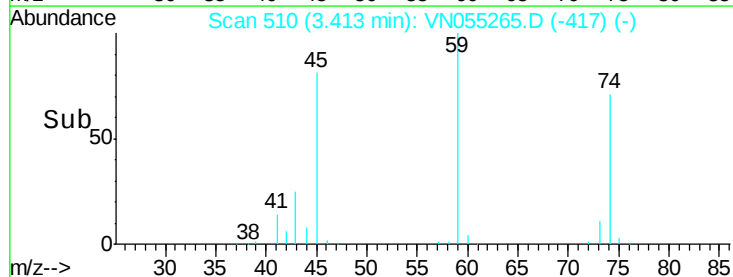
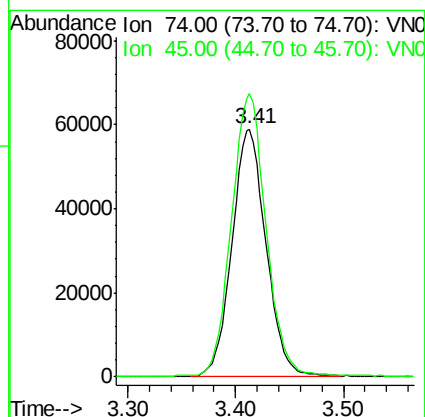
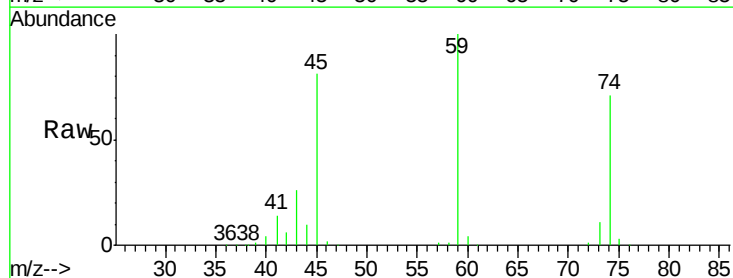
MMDadoda  
4/29/2019 10:56:52 AM

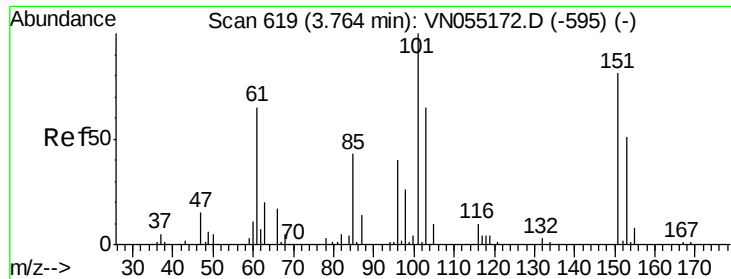


#8

Diethyl Ether  
Concen: 49.389 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Tgt Ion: 74 Resp: 129877  
Ion Ratio Lower Upper  
74 100  
45 114.5 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.408 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

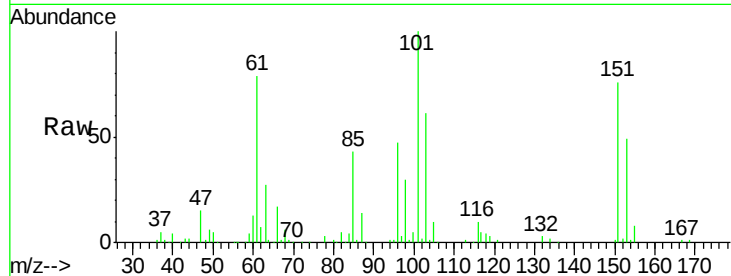
ClientSampleId :

VSTDCCC050

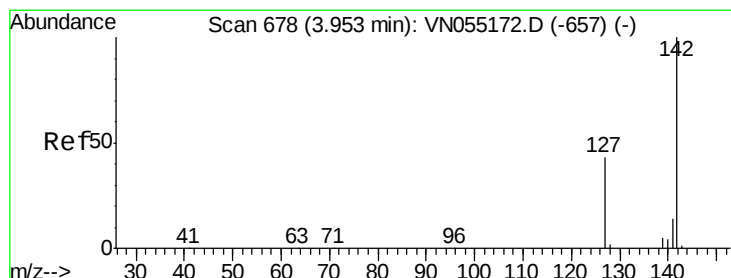
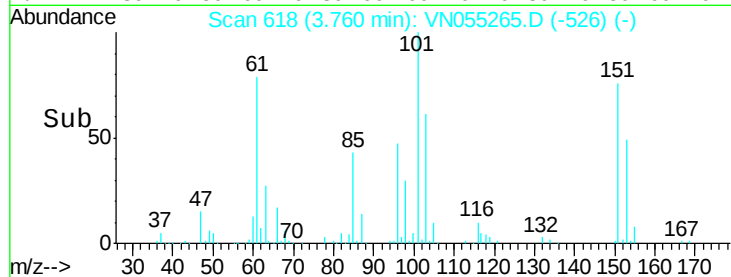
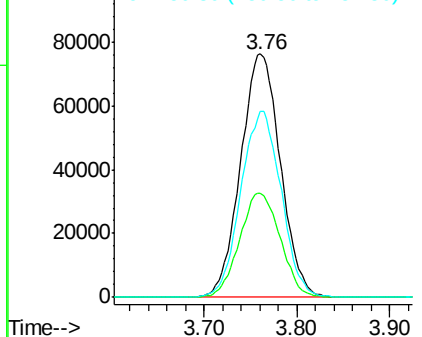
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 227149 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.6  | 34.9  | 52.3   |
| 151       | 77.5  | 63.8  | 95.8   |

Manual Integrations  
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4/29/2019 10:56:52 AM



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



#10

Methyl Iodide

Concen: 50.870 ug/l

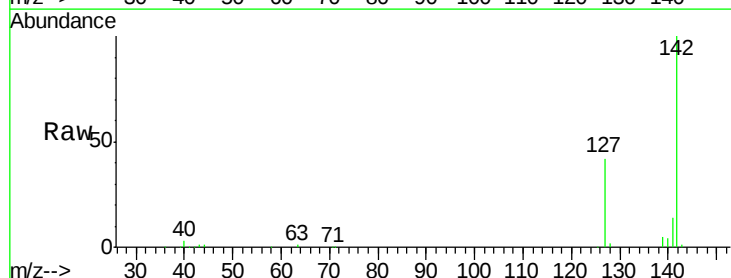
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

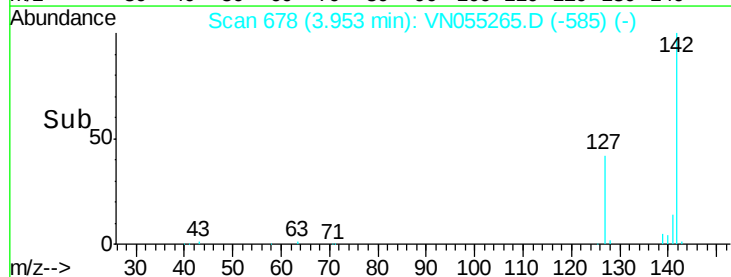
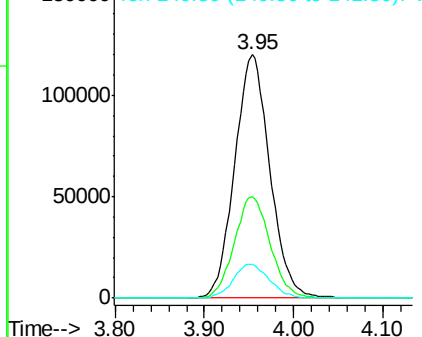
Lab File: VN055265.D

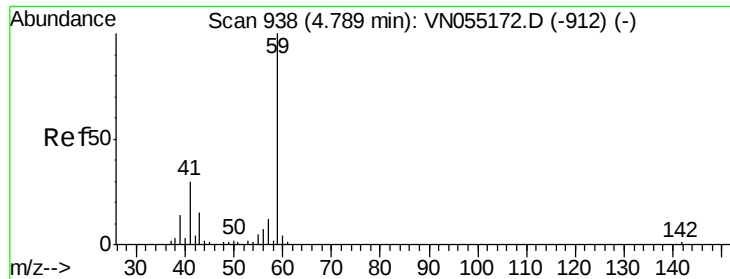
Acq: 26 Apr 2019 10:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 327965 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.4  | 34.1  | 51.1   |
| 141       | 14.3  | 11.4  | 17.2   |



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





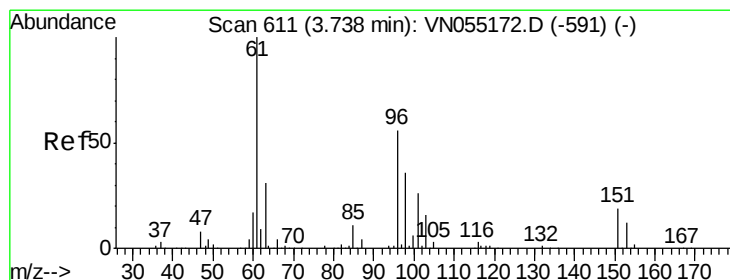
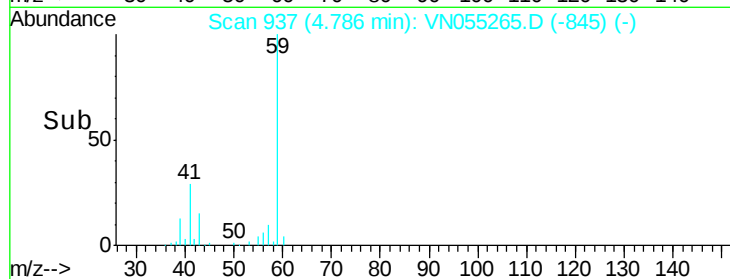
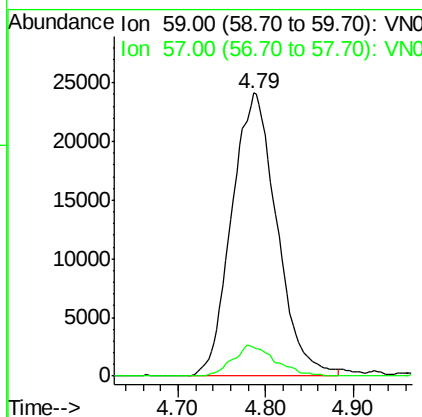
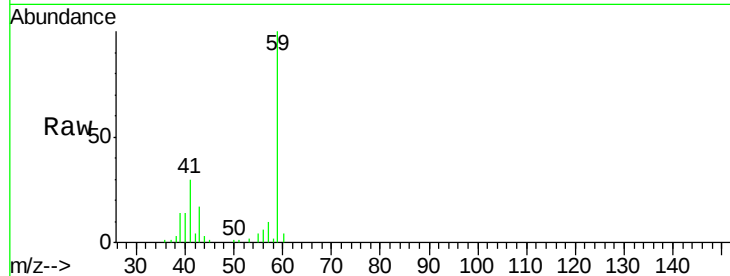
#11  
Tert butyl alcohol  
Concen: 255.696 ug/l  
RT: 4.79 min Scan# 937  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 59 Resp: 86529  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.8 13.2

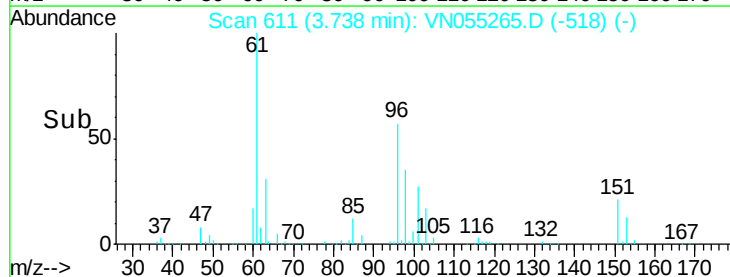
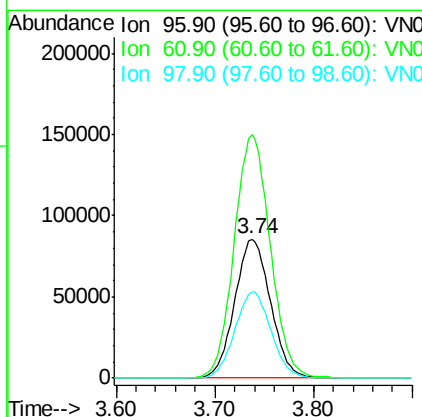
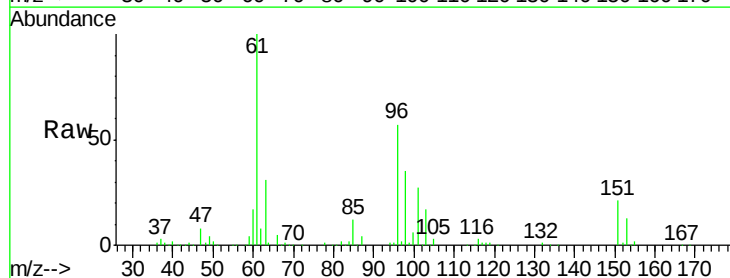
Manual Integrations  
APPROVED

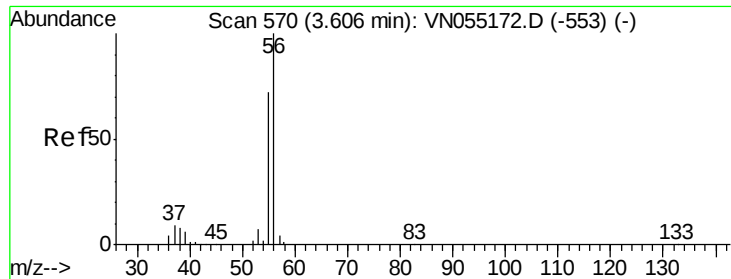
MMDadoda  
4/29/2019 10:56:52 AM



#12  
1,1-Dichloroethene  
Concen: 48.962 ug/l  
RT: 3.74 min Scan# 611  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Tgt Ion: 96 Resp: 215723  
Ion Ratio Lower Upper  
96 100  
61 175.3 142.1 213.1  
98 62.0 51.2 76.8





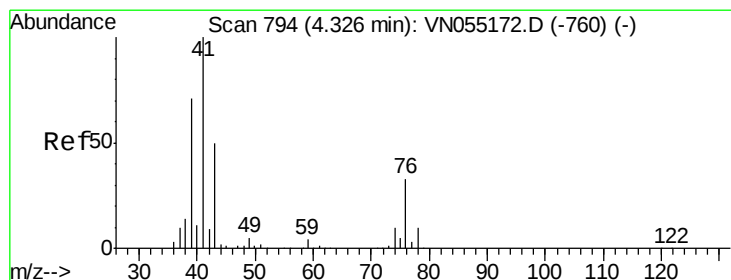
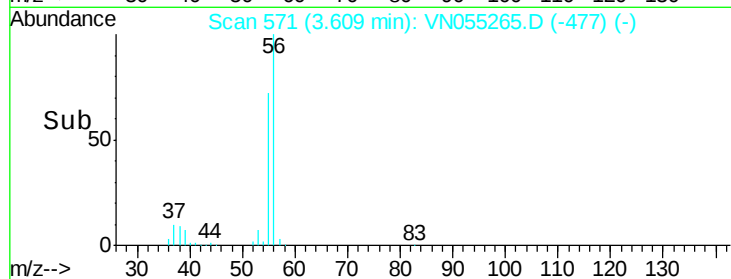
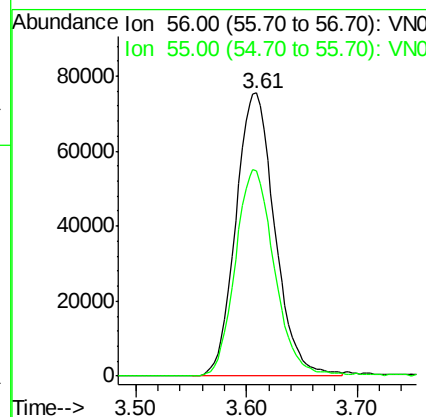
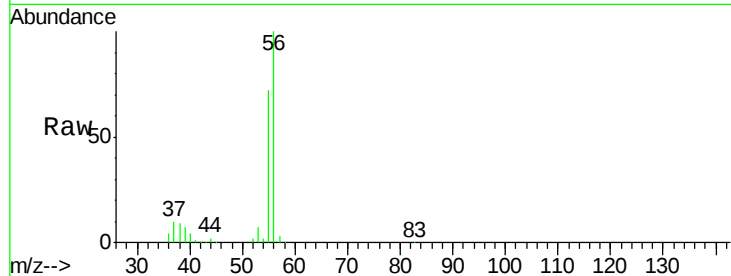
#13  
Acrolein  
Concen: 360.589 ug/l  
RT: 3.61 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 56   | Resp  | 185139 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 55        | 73.2 | 57.4  | 86.0   |

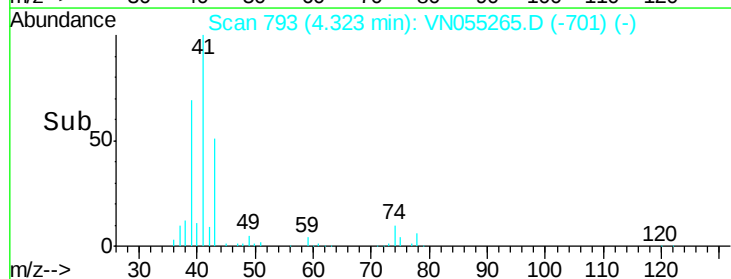
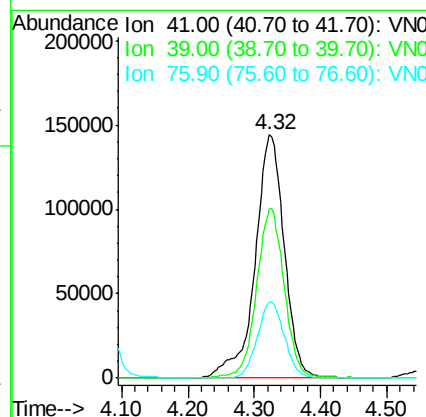
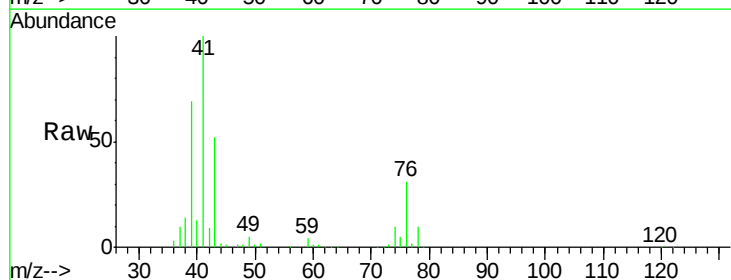
Manual Integrations  
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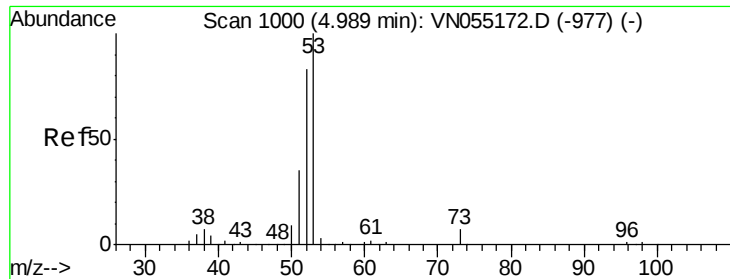
MMDadoda  
4/29/2019 10:56:52 AM



#14  
Allyl chloride  
Concen: 50.765 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion   | 41   | Resp  | 442172 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 66.1 | 52.9  | 79.3   |
| 76        | 28.6 | 23.6  | 35.4   |





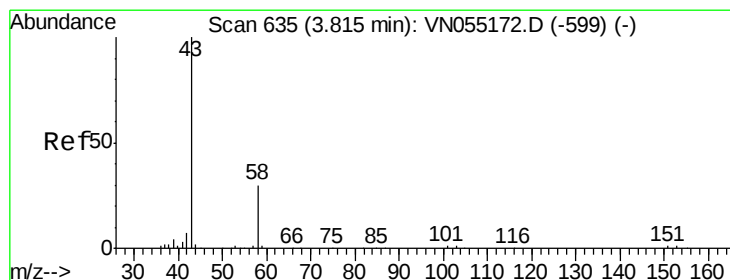
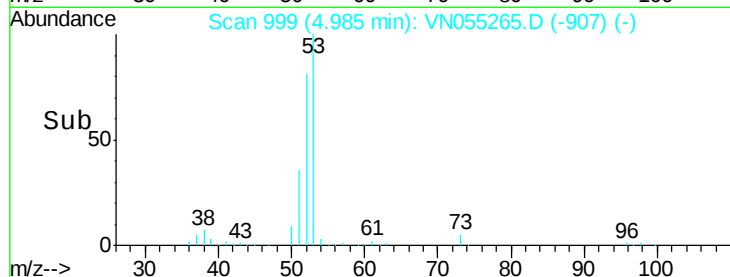
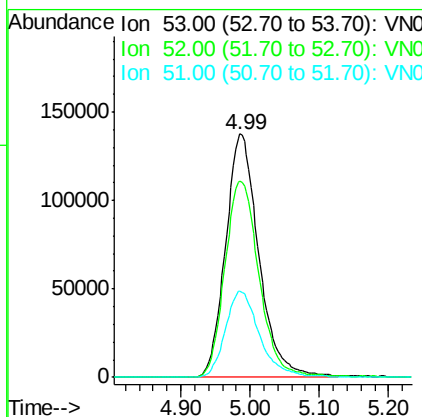
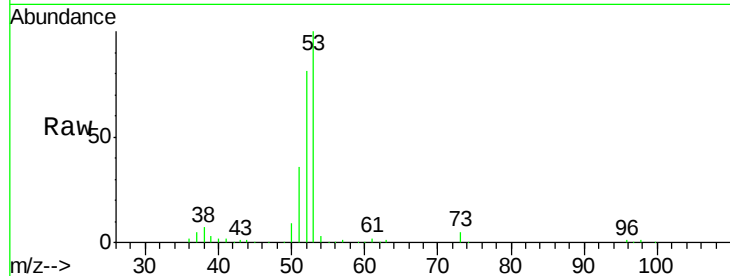
#15  
 Acrylonitrile  
 Concen: 248.020 ug/l  
 RT: 4.99 min Scan# 999  
 Delta R.T. -0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 53      | 100  |       | 460303 |       |       |
| 52      | 82.4 | 65.8  | 98.8   |       |       |
| 51      | 36.7 | 28.9  | 43.3   |       |       |

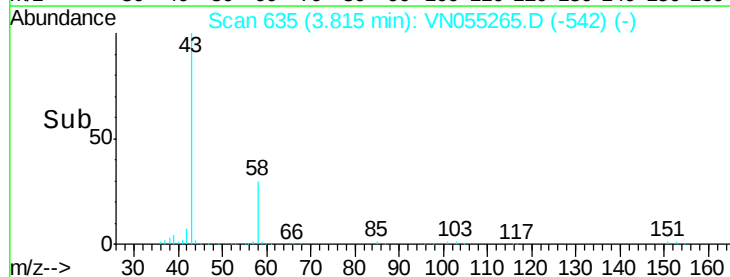
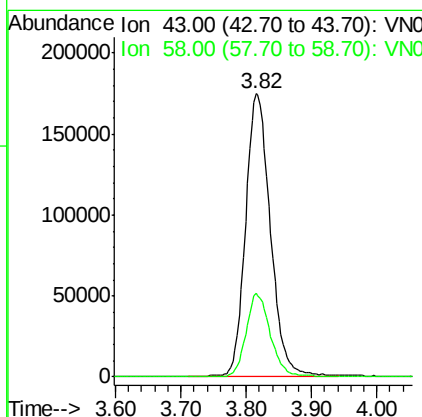
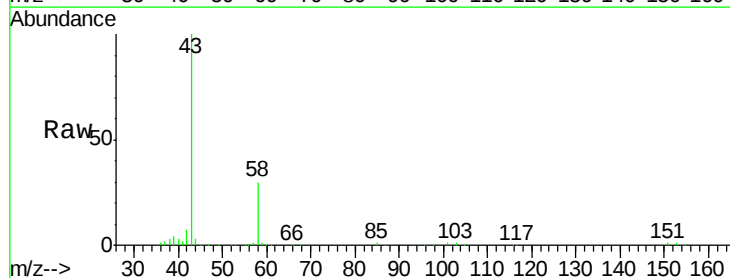
Manual Integrations  
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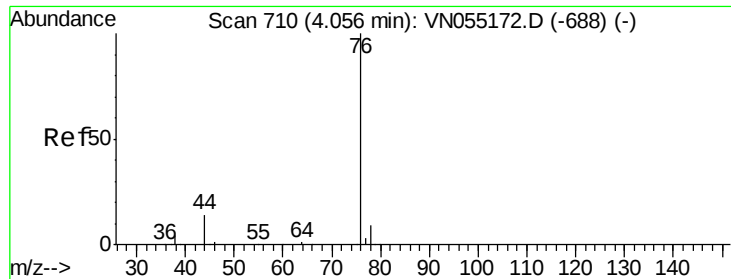
MMDadoda  
 4/29/2019 10:56:52 AM



#16  
 Acetone  
 Concen: 243.103 ug/l  
 RT: 3.82 min Scan# 635  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 43      | 100  |       | 465834 |       |       |
| 58      | 29.5 | 23.8  | 35.8   |       |       |





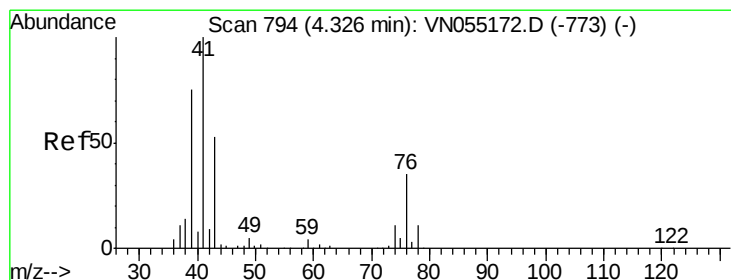
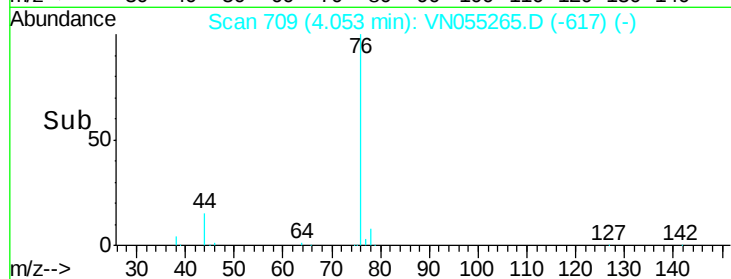
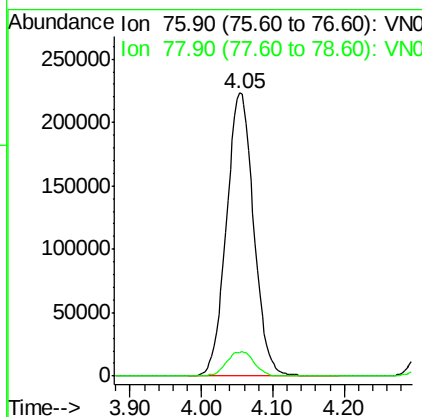
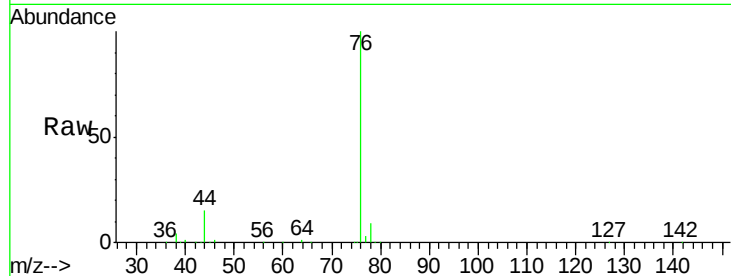
#17  
Carbon Disulfide  
Concen: 48.243 ug/l  
RT: 4.05 min Scan# 709  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.5   | 7.3   | 10.9  |

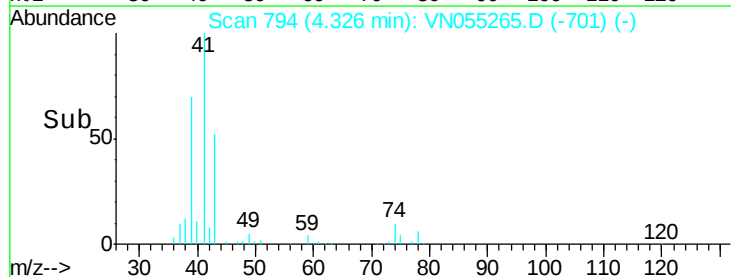
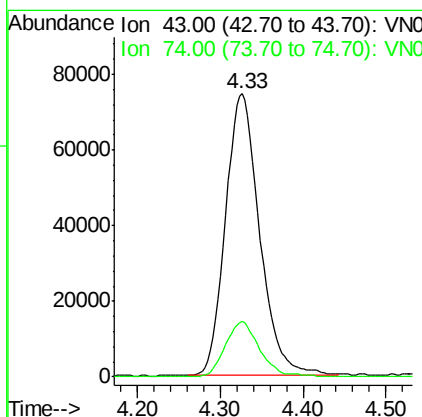
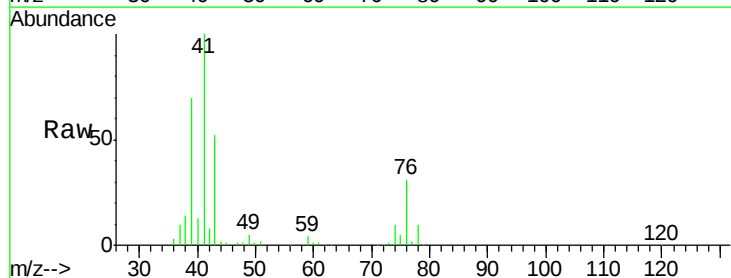
Manual Integrations  
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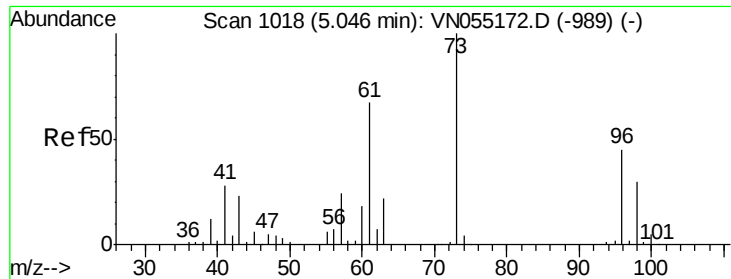
MMDadoda  
4/29/2019 10:56:52 AM



#18  
Methyl Acetate  
Concen: 51.982 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 19.8  | 16.7  | 25.1  |





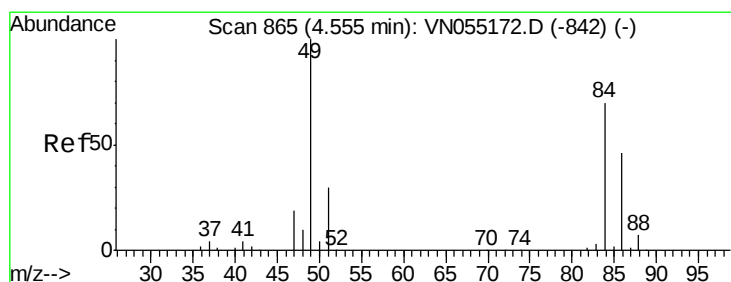
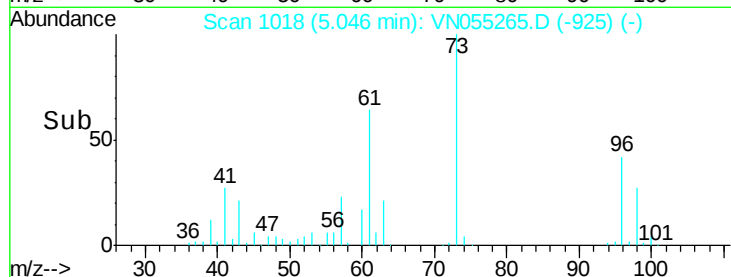
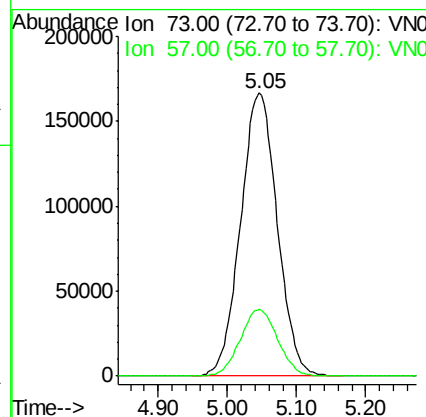
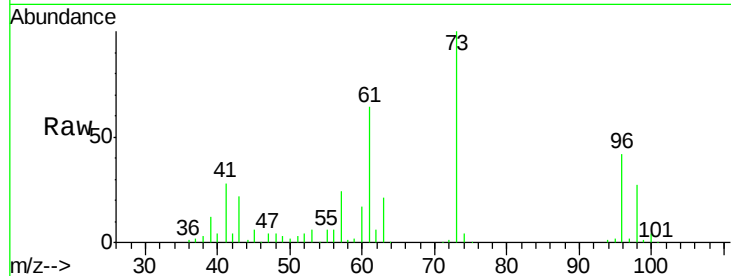
#19  
Methyl tert-butyl Ether  
Concen: 50.408 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 614049  
Ion Ratio Lower Upper  
73 100  
57 23.6 19.5 29.3

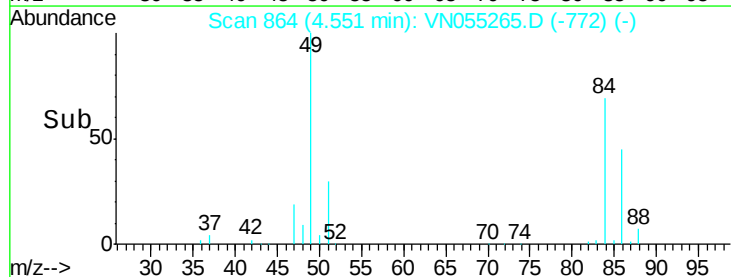
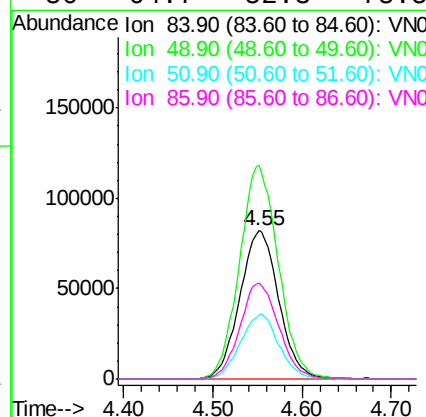
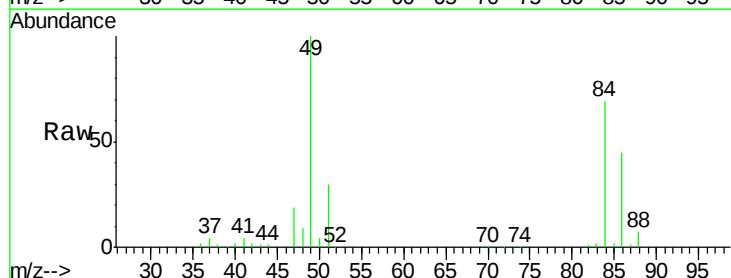
Manual Integrations  
APPROVED

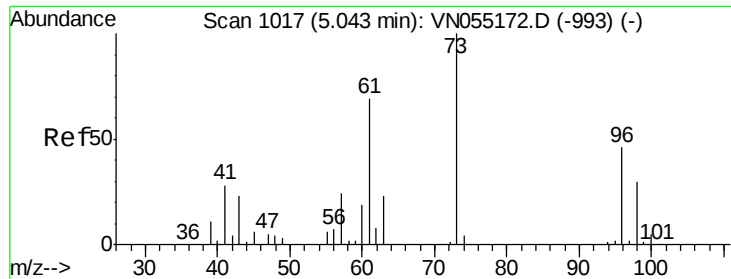
MMDadoda  
4/29/2019 10:56:52 AM



#20  
Methylene Chloride  
Concen: 45.247 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Tgt Ion: 84 Resp: 249254  
Ion Ratio Lower Upper  
84 100  
49 143.9 113.8 170.6  
51 43.3 34.0 51.0  
86 64.7 52.3 78.5





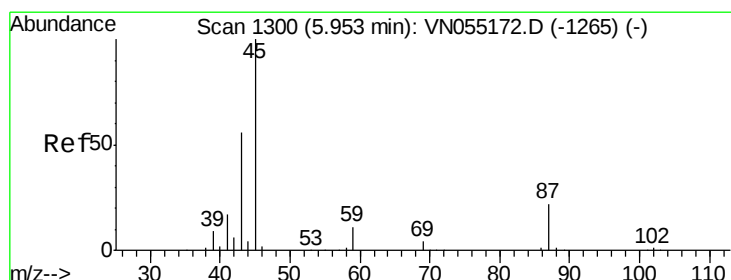
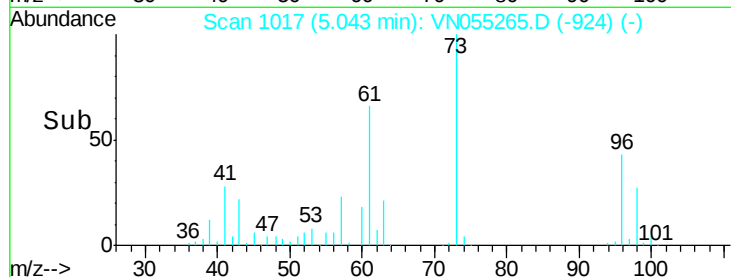
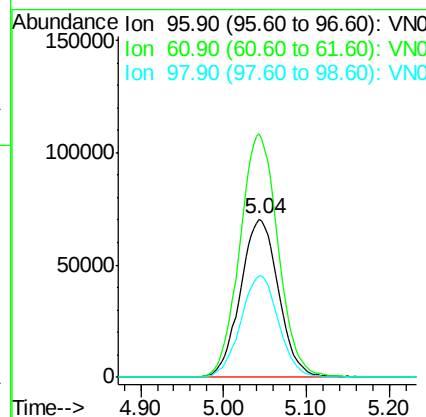
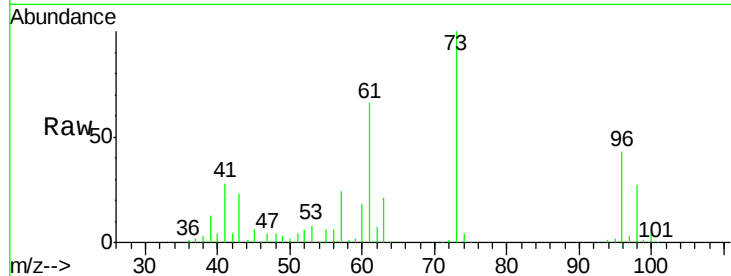
#21  
trans-1,2-Dichloroethene  
Concen: 48.863 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.2 | 119.3 | 178.9 |
| 98      | 64.4  | 53.0  | 79.4  |

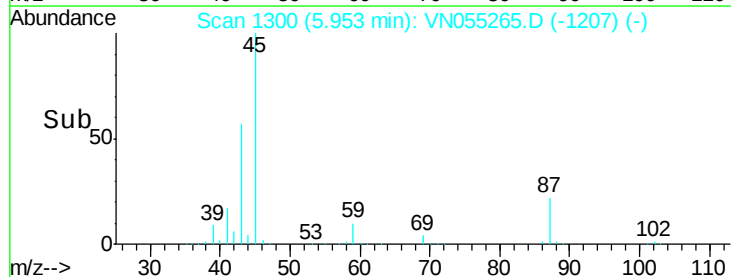
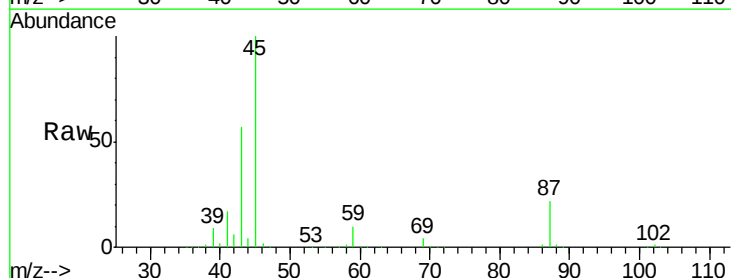
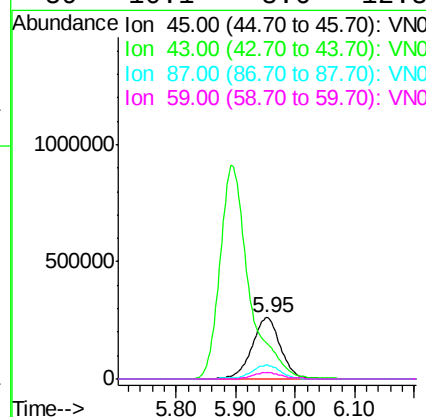
Manual Integrations  
APPROVED

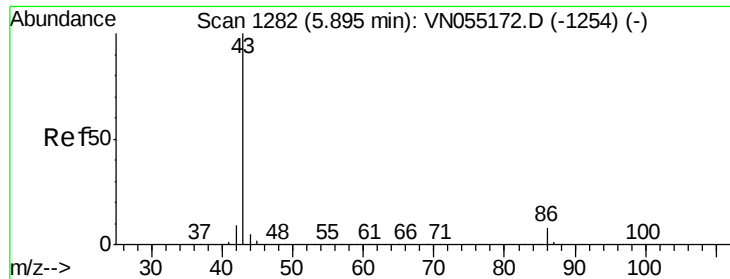
MMDadoda  
4/29/2019 10:56:52 AM



#22  
Diisopropyl ether  
Concen: 50.939 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 56.5  | 47.4  | 71.0  |
| 87      | 22.1  | 18.4  | 27.6  |
| 59      | 10.1  | 8.6   | 12.8  |





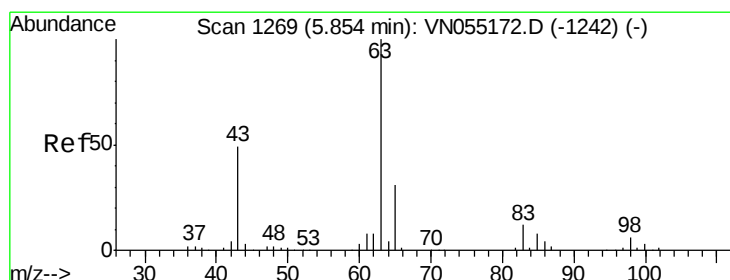
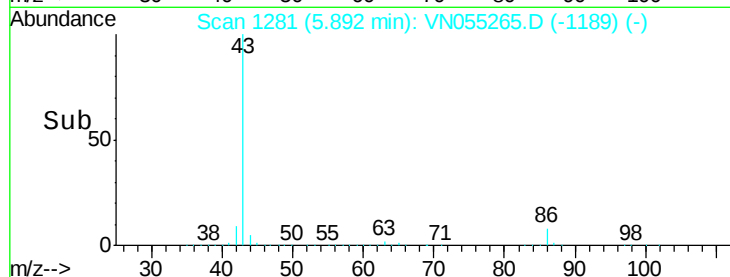
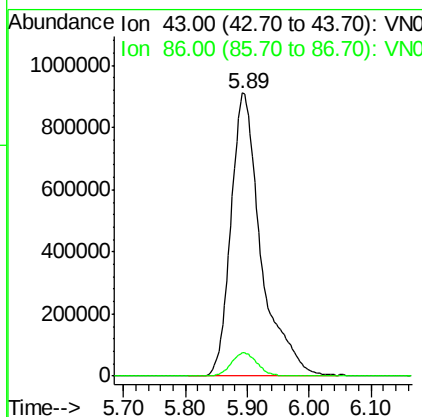
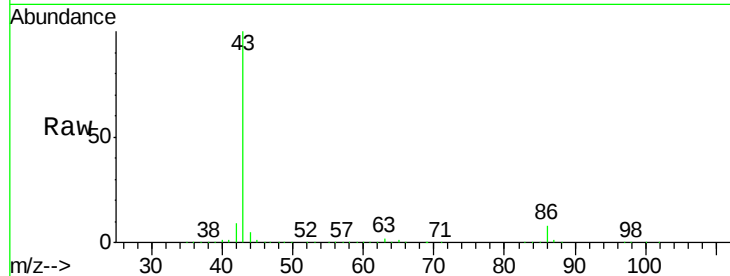
#23  
 Vinyl Acetate  
 Concen: 264.107 ug/l  
 RT: 5.89 min Scan# 1281  
 Delta R.T. -0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 3081357  
 Ion Ratio Lower Upper  
 43 100  
 86 8.3 6.8 10.2

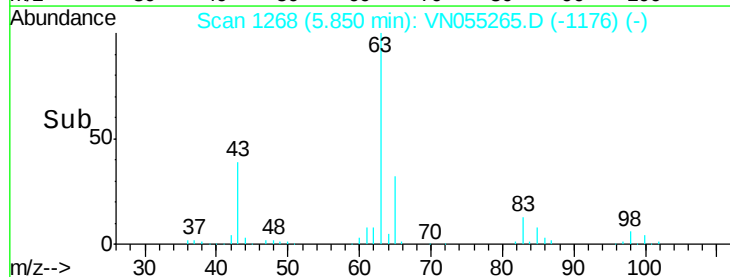
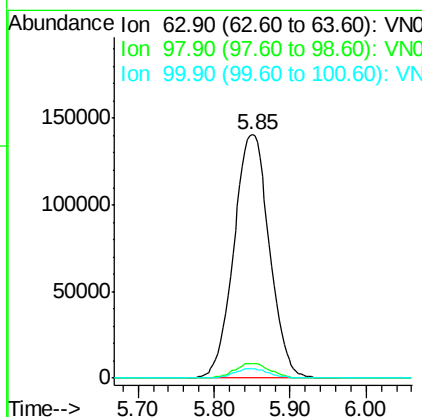
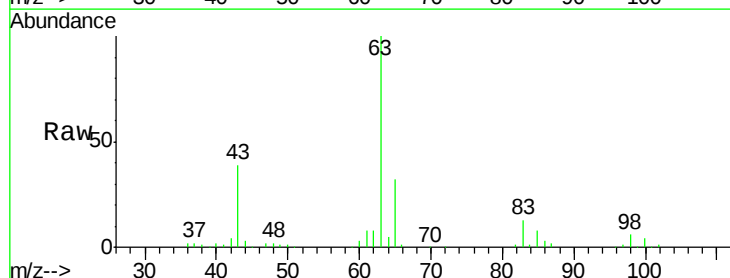
Manual Integrations  
 APPROVED

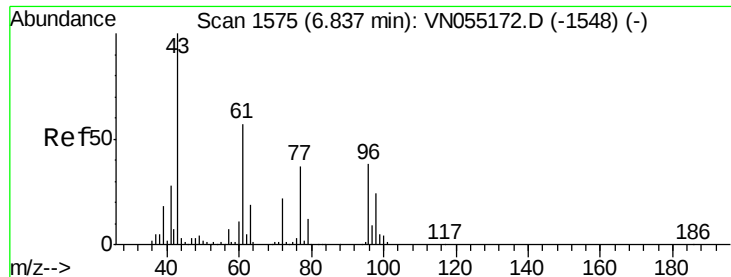
MMDadoda  
 4/29/2019 10:56:52 AM



#24  
 1,1-Dichloroethane  
 Concen: 48.868 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Tgt Ion: 63 Resp: 456367  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.1 9.3  
 100 3.7 1.8 5.3





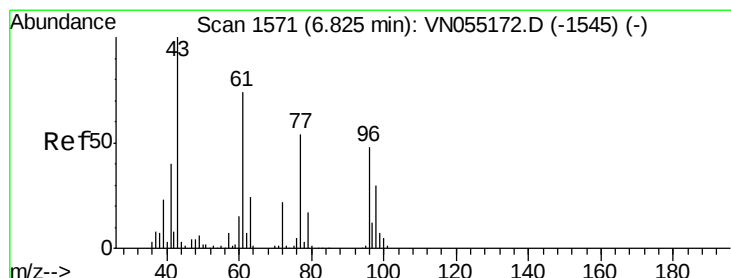
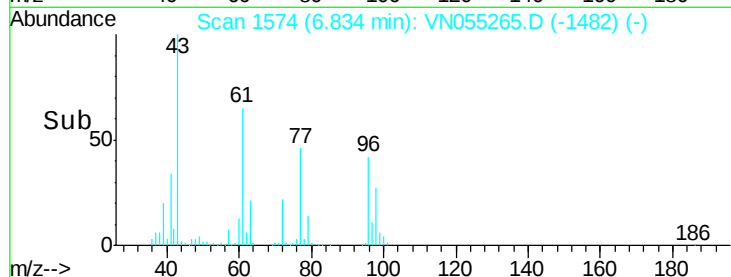
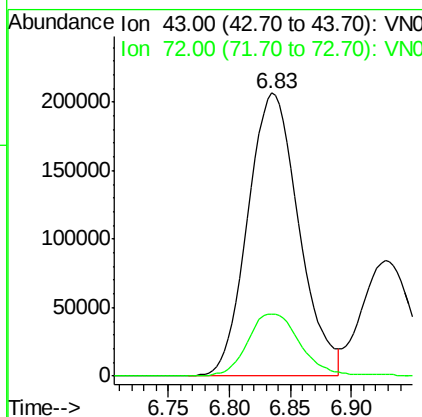
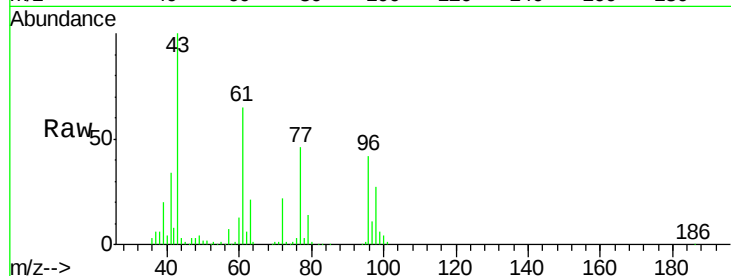
#25  
2-Butanone  
Concen: 242.019 ug/l  
RT: 6.83 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 598727  
Ion Ratio Lower Upper  
43 100  
72 22.1 17.8 26.8

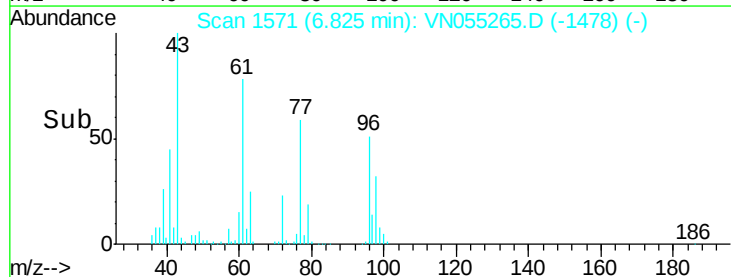
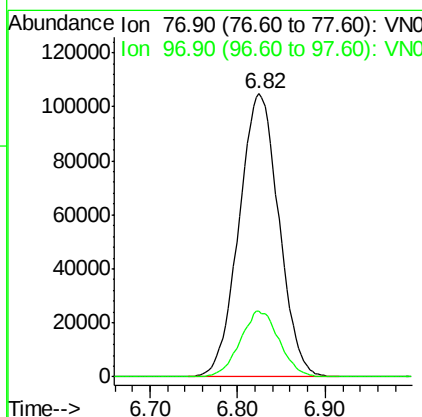
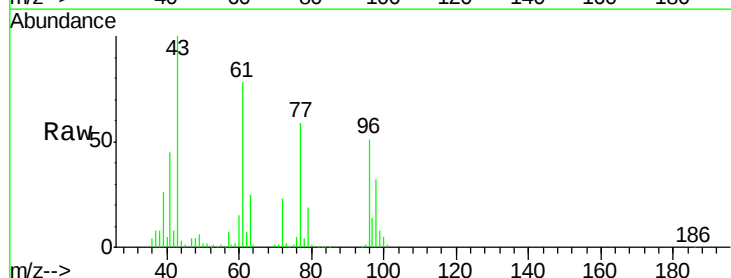
Manual Integrations  
APPROVED

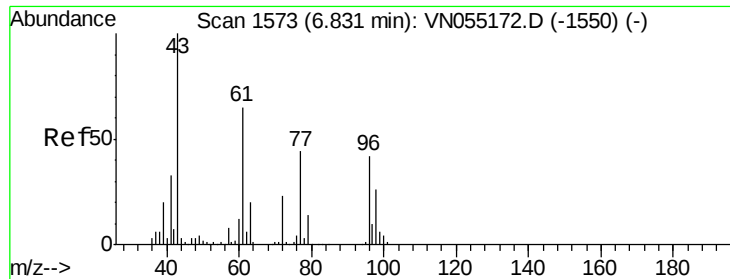
MMDadoda  
4/29/2019 10:56:52 AM



#26  
2,2-Dichloropropane  
Concen: 52.438 ug/l  
RT: 6.82 min Scan# 1571  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Tgt Ion: 77 Resp: 331385  
Ion Ratio Lower Upper  
77 100  
97 22.8 11.3 33.8





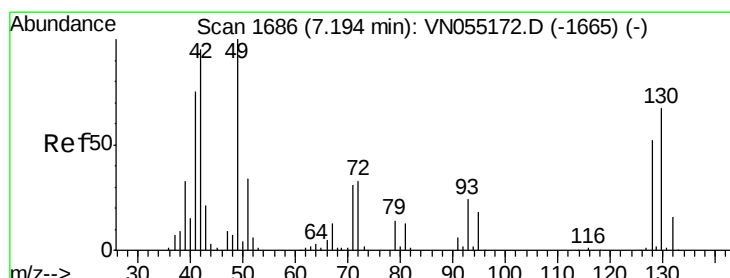
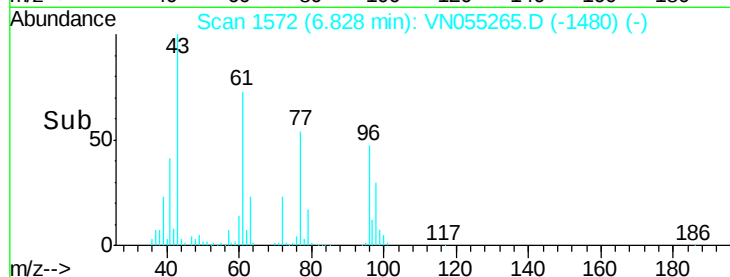
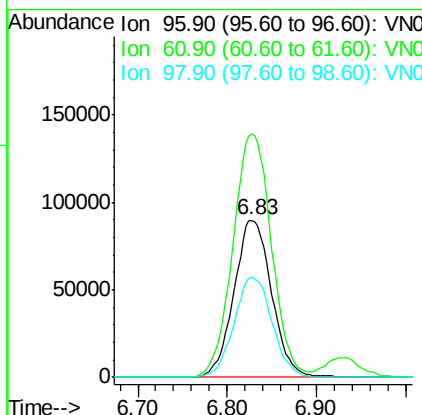
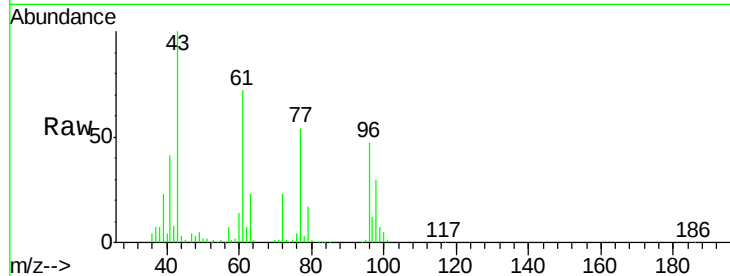
#27  
 cis-1,2-Dichloroethene  
 Concen: 49.349 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. -0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 262826 |       |       |
| 61      | 158.2 | 0.0    | 310.8 |       |
| 98      | 64.3  | 0.0    | 127.4 |       |

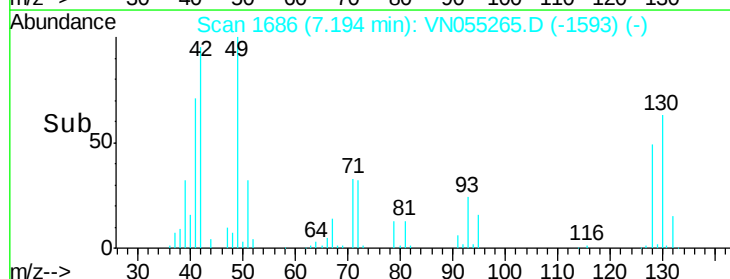
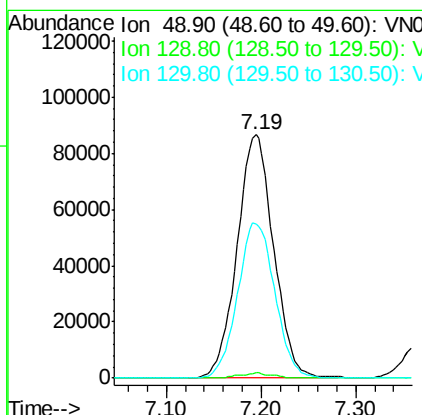
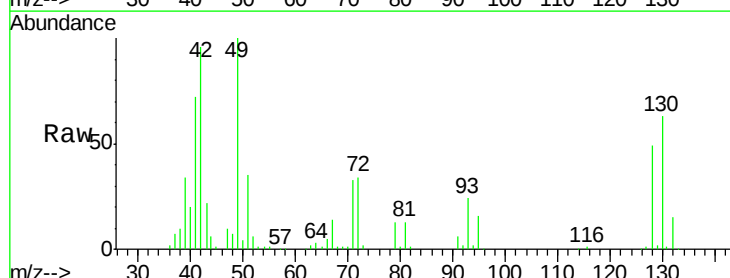
Manual Integrations  
 APPROVED

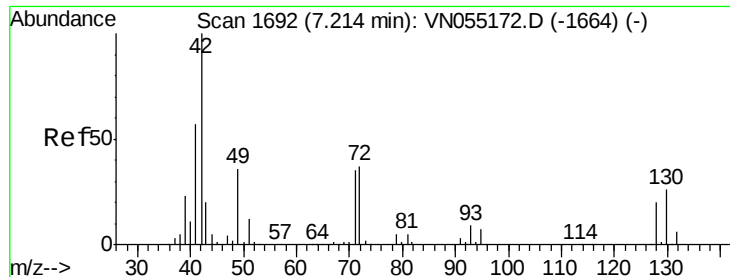
MMDadoda  
 4/29/2019 10:56:52 AM



#28  
 Bromochloromethane  
 Concen: 48.804 ug/l  
 RT: 7.19 min Scan# 1686  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 232326 |       |       |
| 129     | 1.8   | 0.0    | 3.8   |       |
| 130     | 65.1  | 53.4   | 80.2  |       |





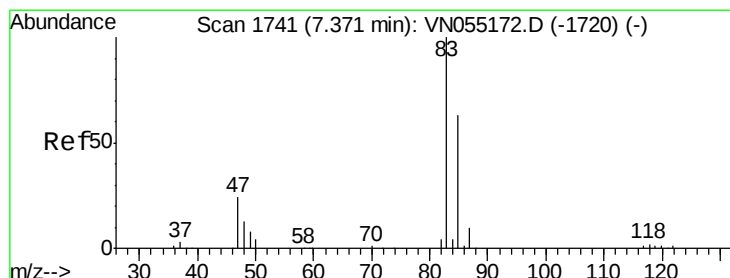
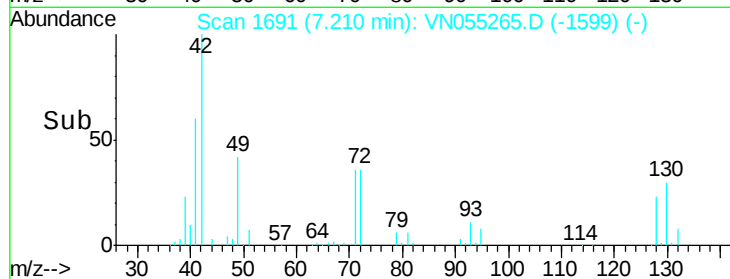
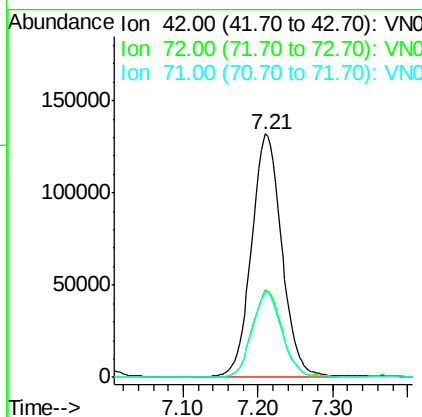
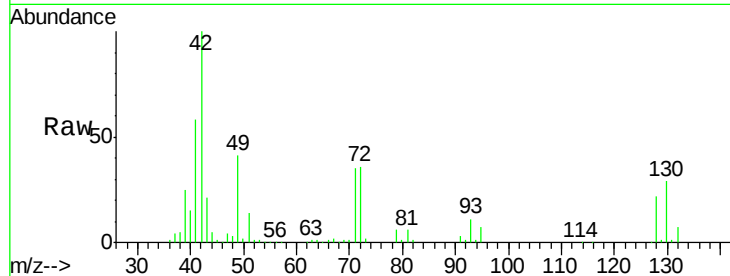
#29  
Tetrahydrofuran  
Concen: 243.966 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.8  | 29.4  | 44.2  |
| 71      | 34.7  | 27.8  | 41.8  |

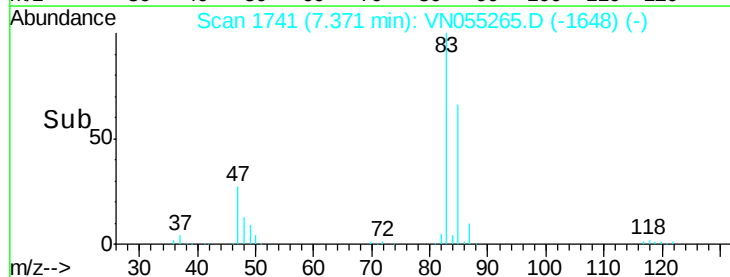
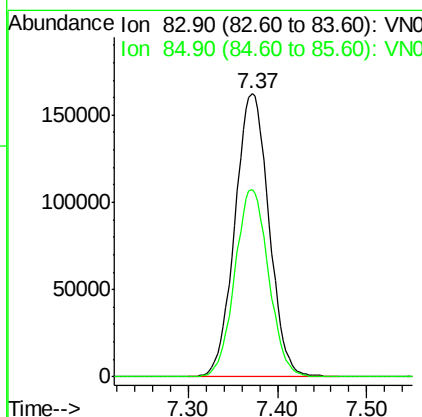
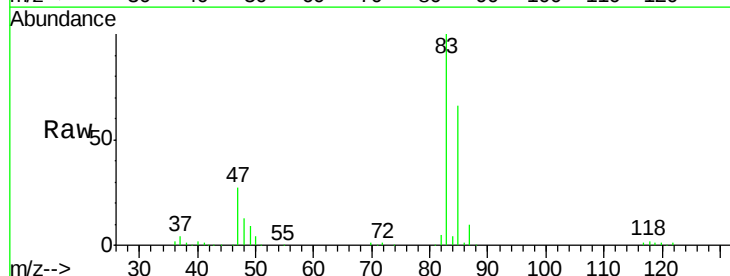
Manual Integrations  
APPROVED

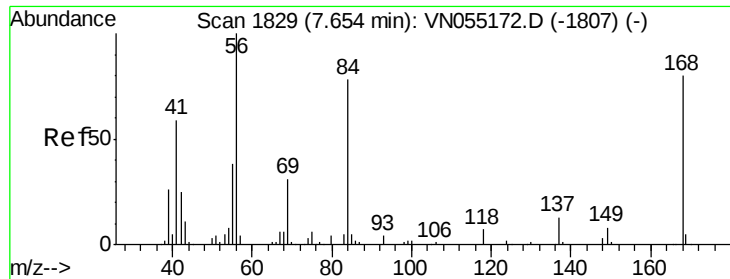
MMDadoda  
4/29/2019 10:56:52 AM



#30  
Chloroform  
Concen: 48.317 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.2  | 50.6  | 76.0  |





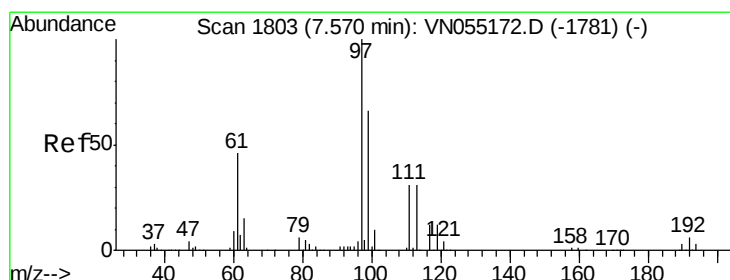
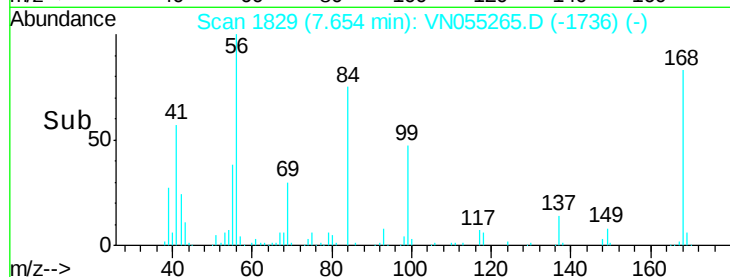
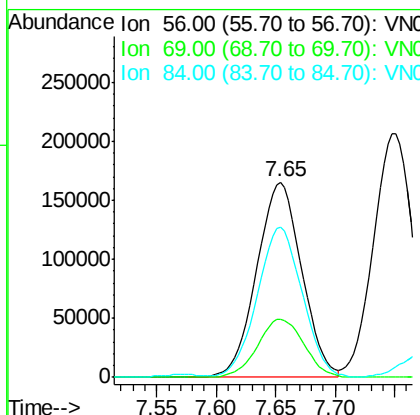
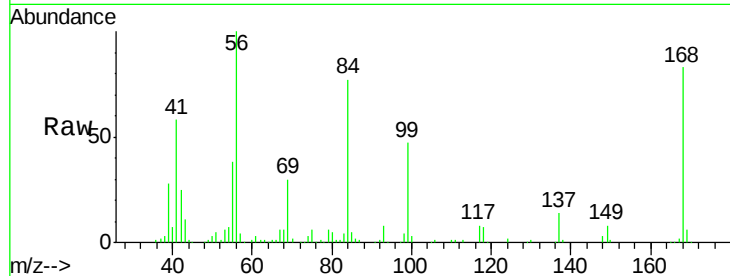
#31  
Cyclohexane  
Concen: 49.492 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.0  | 24.6  | 37.0  |
| 84      | 75.9  | 61.4  | 92.2  |

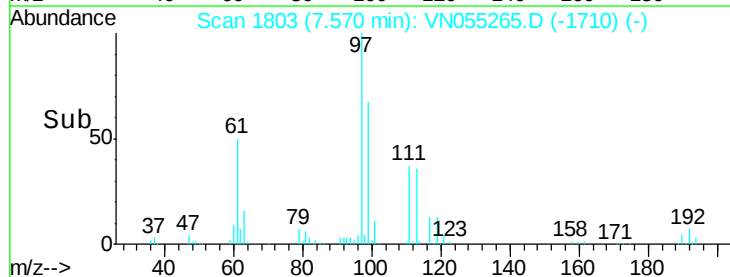
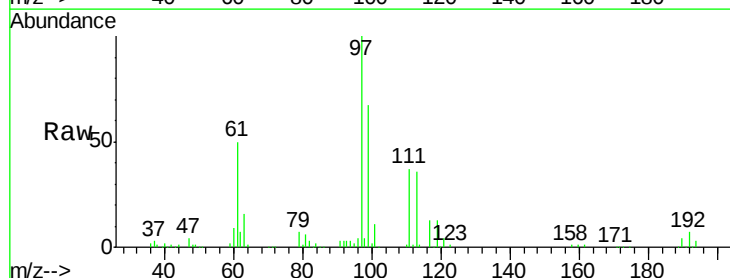
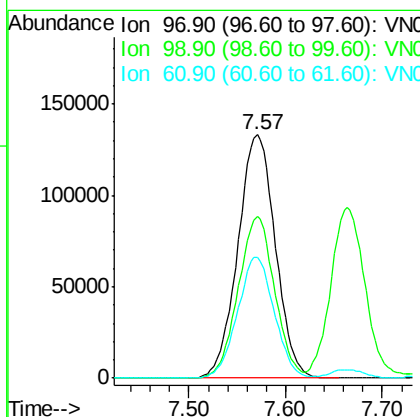
Manual Integrations  
APPROVED

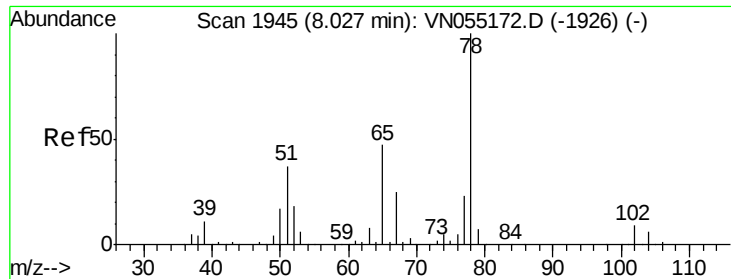
MMDadoda  
4/29/2019 10:56:52 AM



#32  
1,1,1-Trichloroethane  
Concen: 50.208 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.4  | 51.1  | 76.7  |
| 61      | 48.7  | 38.3  | 57.5  |





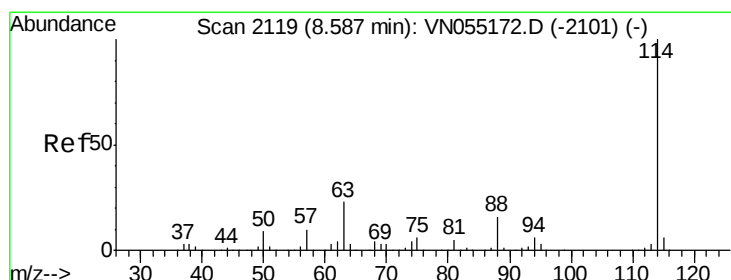
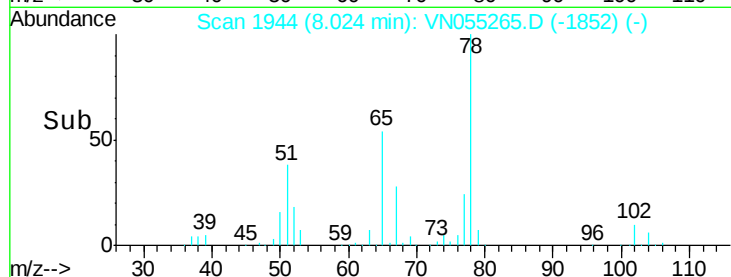
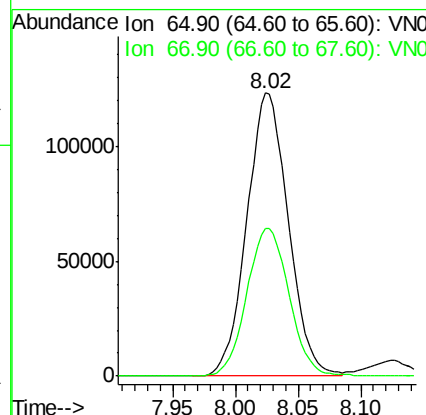
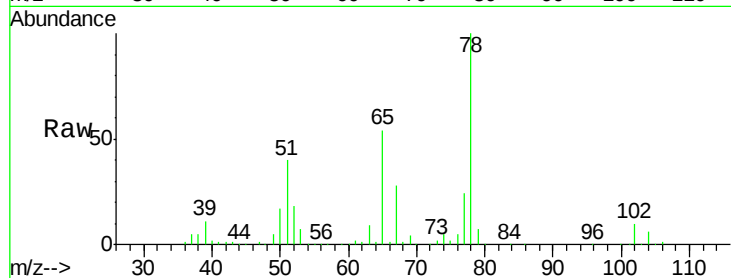
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.072 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 284442 |       |       |
| 67      | 53.3  | 0.0    | 108.6 |       |

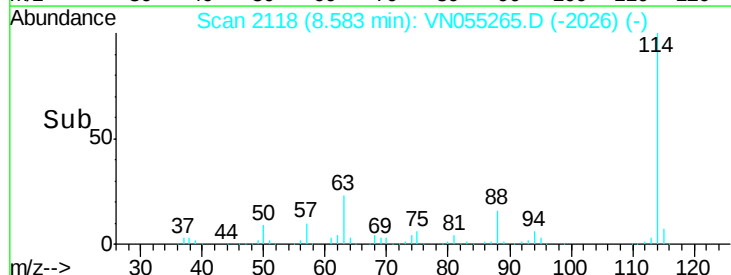
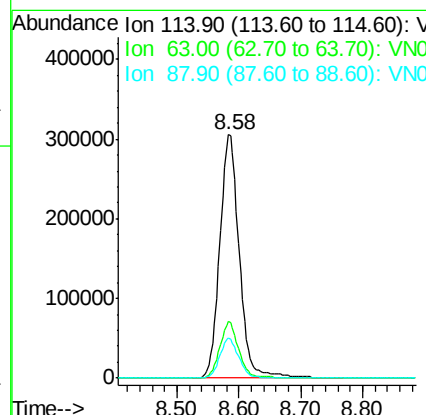
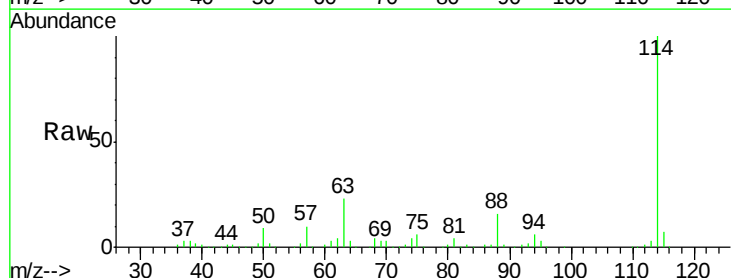
Manual Integrations  
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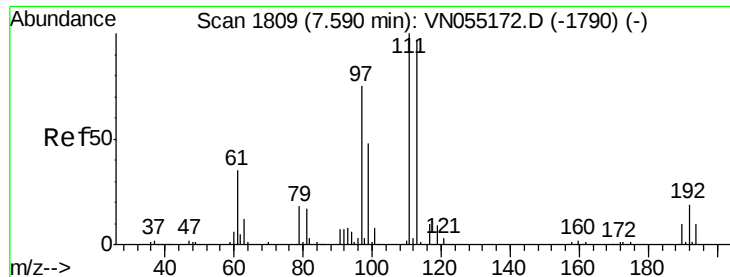
MMDadoda  
 4/29/2019 10:56:52 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 671195 |       |       |
| 63      | 23.1  | 0.0    | 45.2  |       |
| 88      | 16.3  | 0.0    | 32.8  |       |





#35

Dibromofluoromethane

Concen: 49.661 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

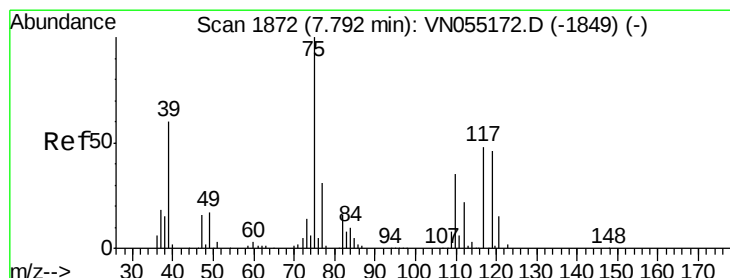
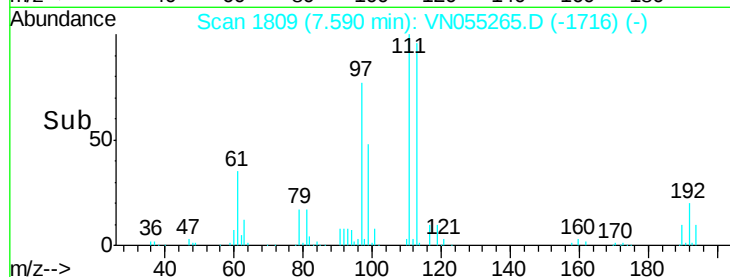
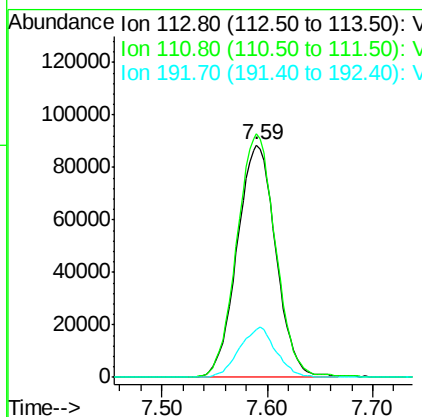
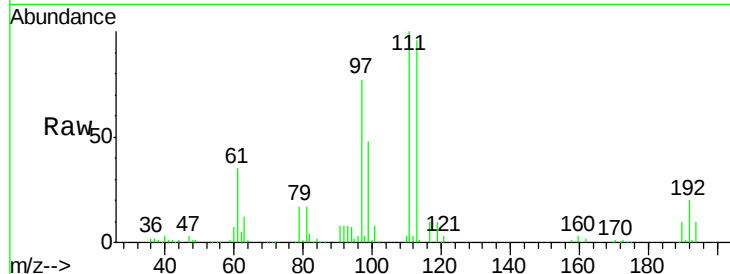
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 226443 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.7 | 81.0  | 121.4  |
| 192       | 20.4  | 16.2  | 24.4   |

Manual Integrations  
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4/29/2019 10:56:52 AM



#36

1,1-Dichloropropene

Concen: 52.279 ug/l

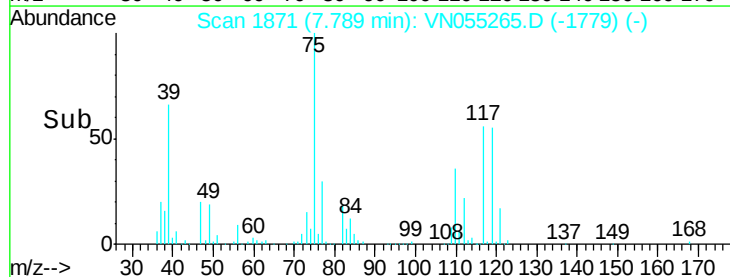
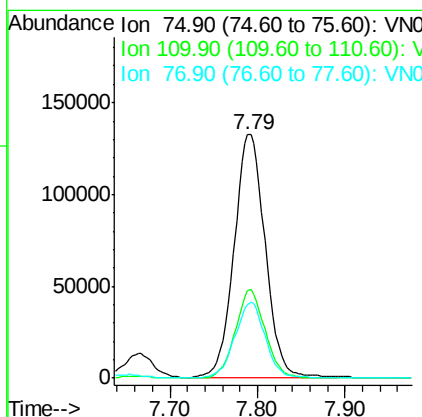
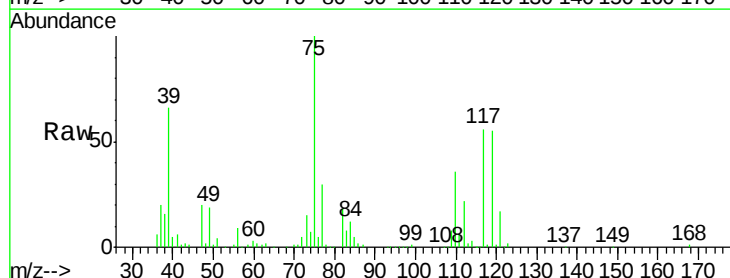
RT: 7.79 min Scan# 1871

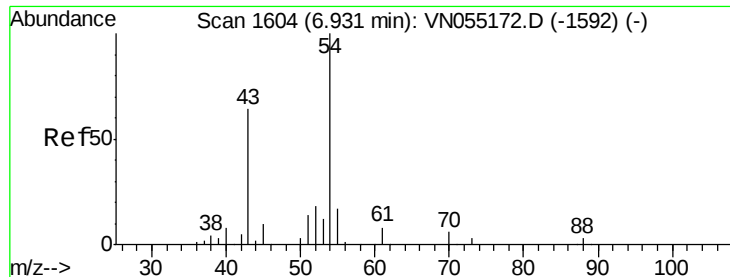
Delta R.T. -0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 325684 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 35.1  | 17.1  | 51.2   |
| 77        | 30.5  | 24.6  | 36.8   |





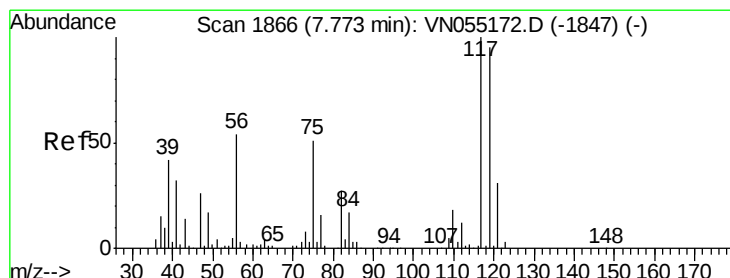
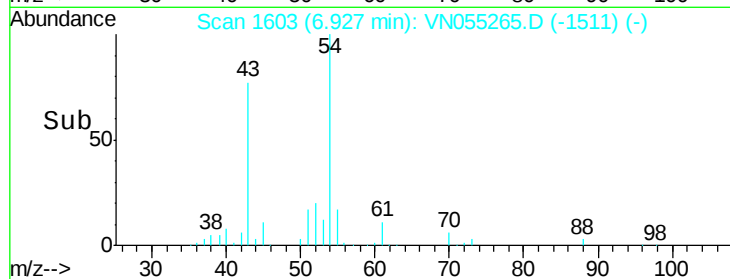
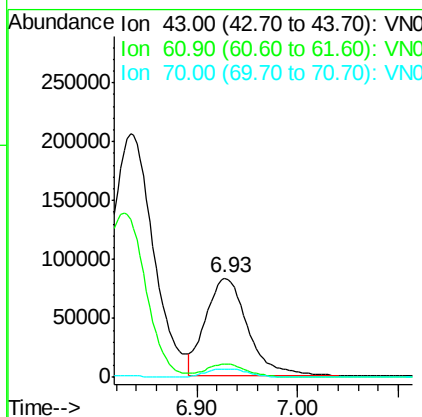
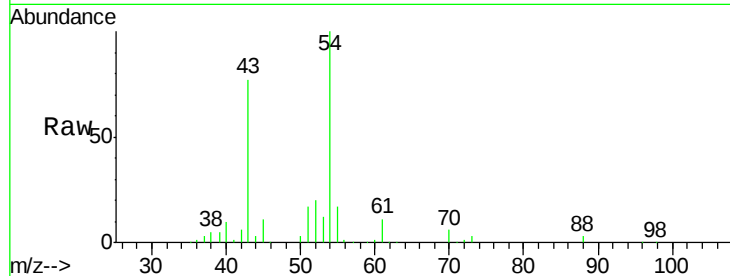
#37  
Ethyl Acetate  
Concen: 48.109 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.8  | 9.7   | 14.5  |
| 70      | 3.5   | 6.9   | 10.3  |

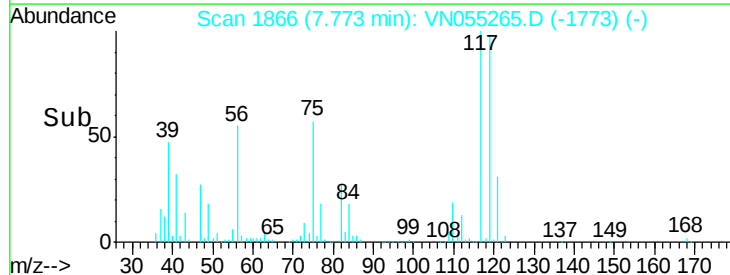
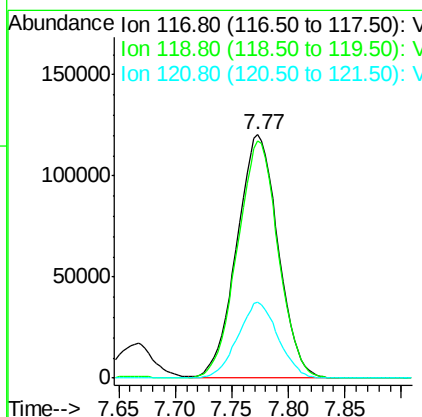
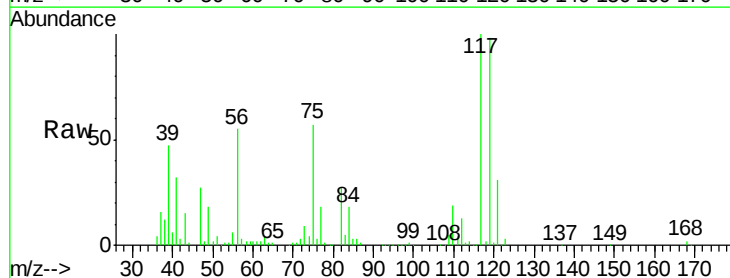
Manual Integrations  
APPROVED

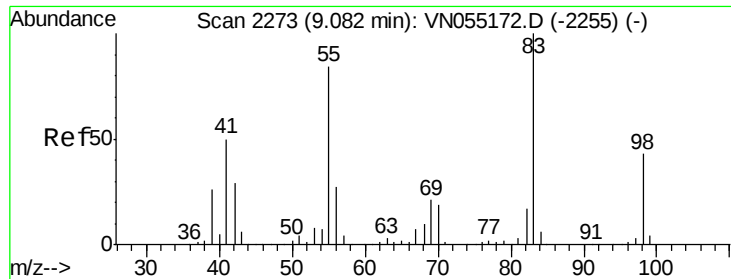
MMDadoda  
4/29/2019 10:56:52 AM



#38  
Carbon Tetrachloride  
Concen: 52.254 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.8  | 76.0  | 114.0 |
| 121     | 31.3  | 24.6  | 36.8  |





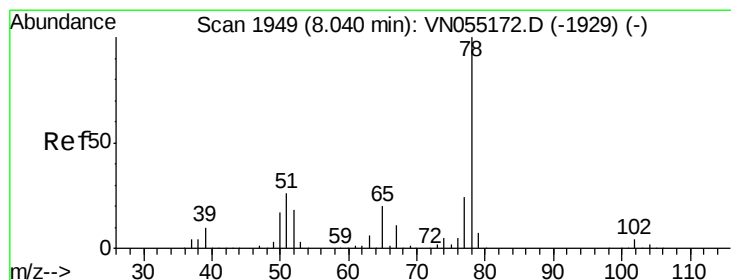
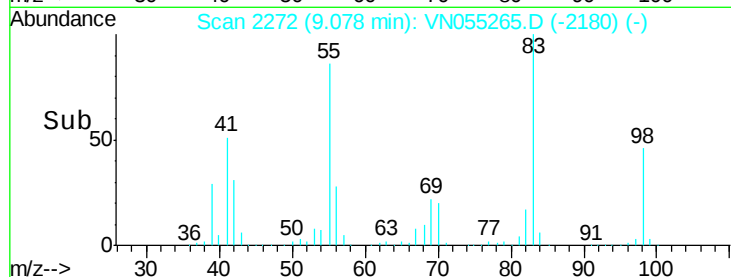
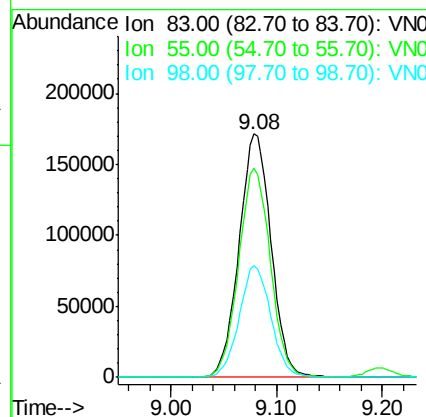
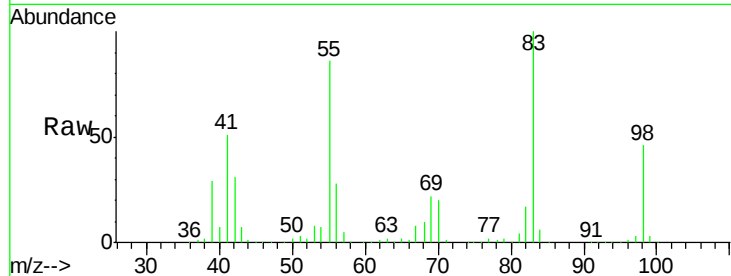
#39  
Methvlcvclohexane  
Concen: 48.635 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 85.6  | 67.4  | 101.0 |
| 98      | 45.8  | 34.7  | 52.1  |

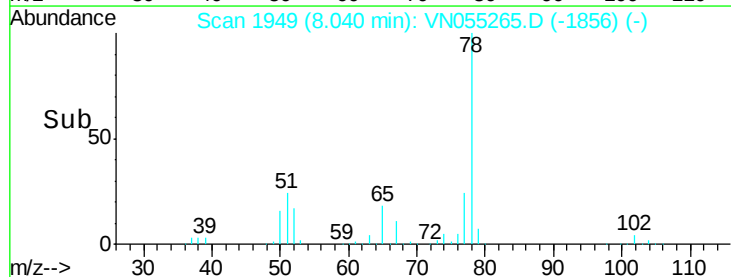
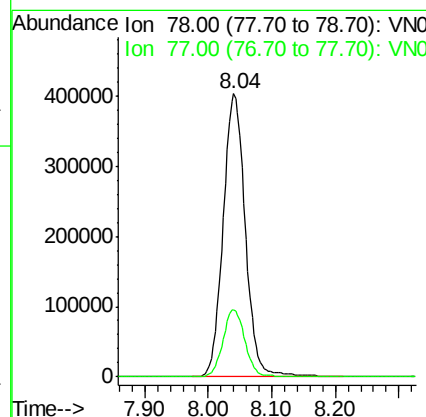
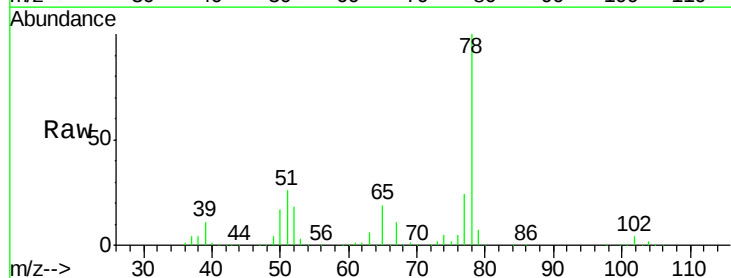
Manual Integrations  
APPROVED

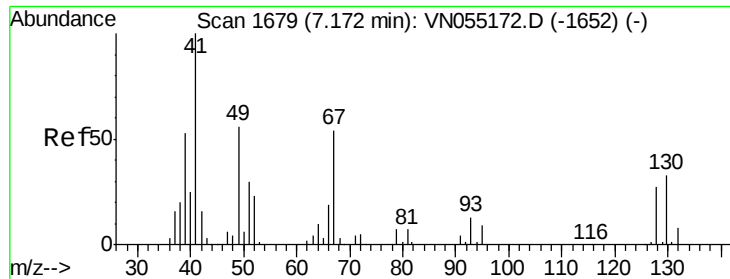
MMDadoda  
4/29/2019 10:56:52 AM



#40  
Benzene  
Concen: 50.747 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 19.5  | 29.3  |





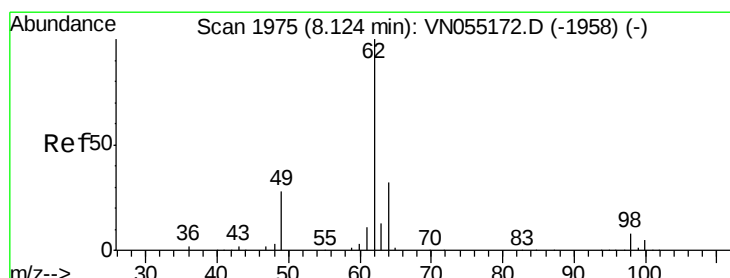
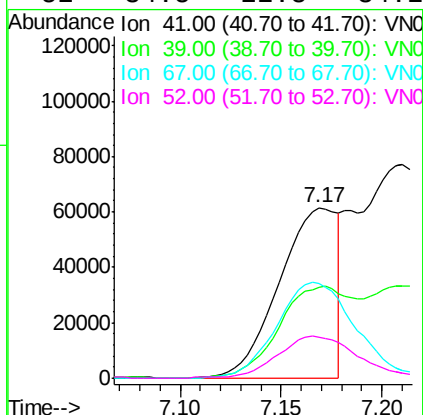
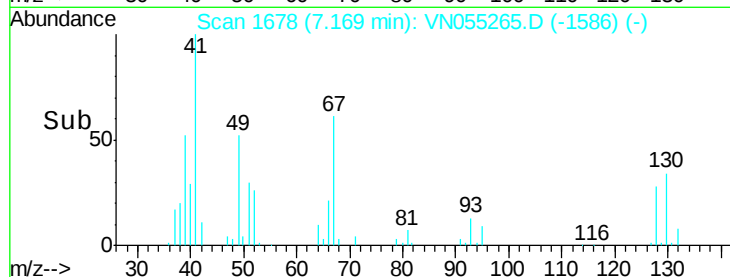
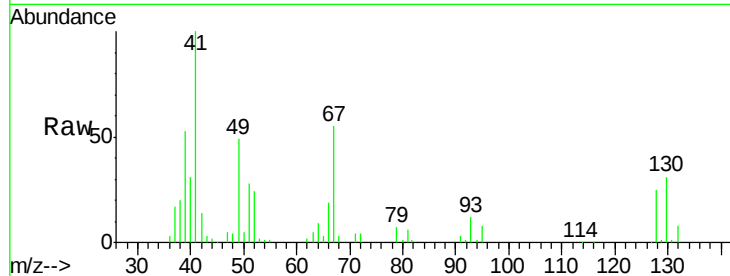
#41  
Methacrylonitrile  
Concen: 46.425 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 72.7 | 45.4  | 68.0# |       |
| 67      | 77.3 | 54.6  | 81.8  |       |
| 52      | 34.5 | 22.8  | 34.2# |       |

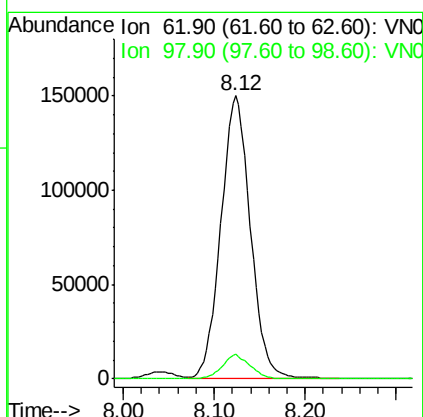
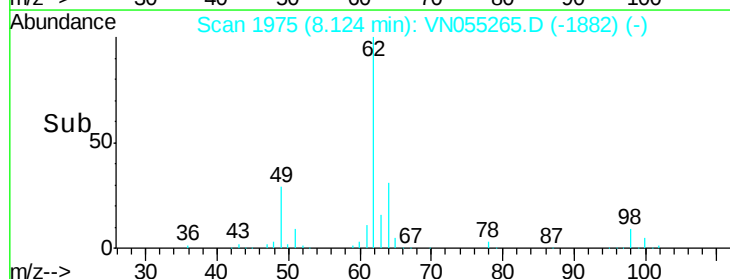
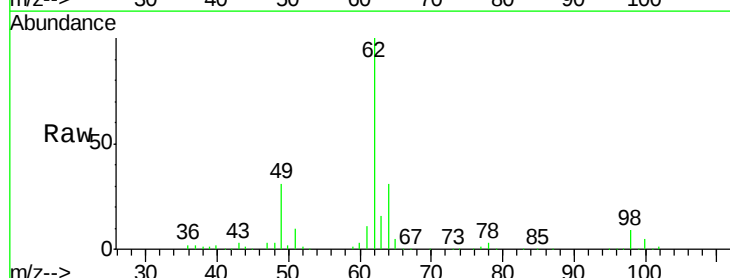
Manual Integrations  
APPROVED

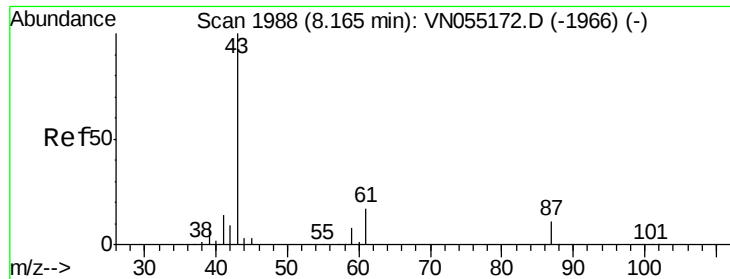
MMDadoda  
4/29/2019 10:56:52 AM



#42  
1,2-Dichloroethane  
Concen: 50.281 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.2 | 0.0   | 17.0  |       |





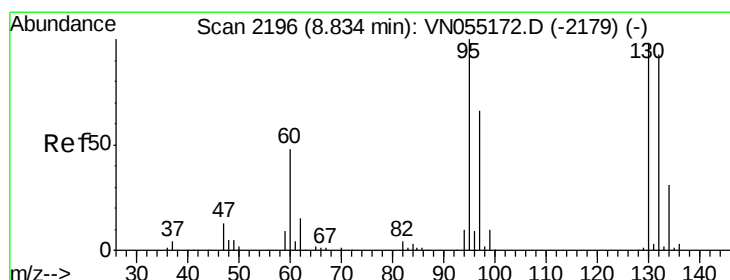
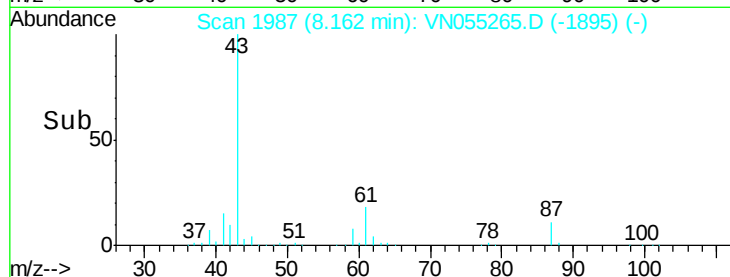
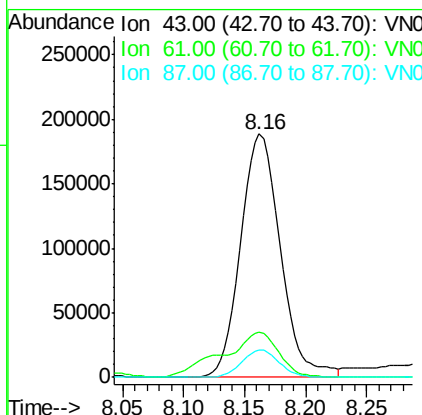
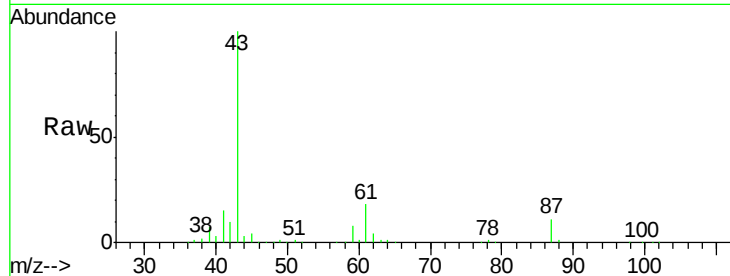
#43  
Isopropyl Acetate  
Concen: 52.062 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.6  | 20.6  | 30.8  |
| 87      | 10.7  | 8.8   | 13.2  |

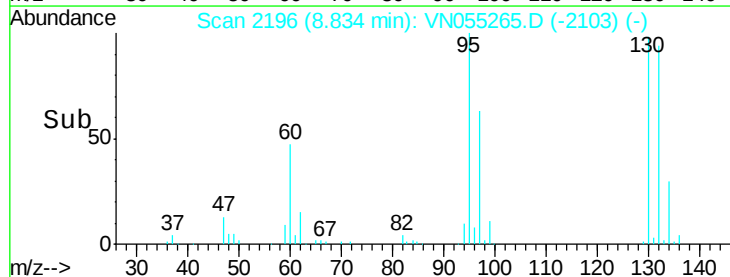
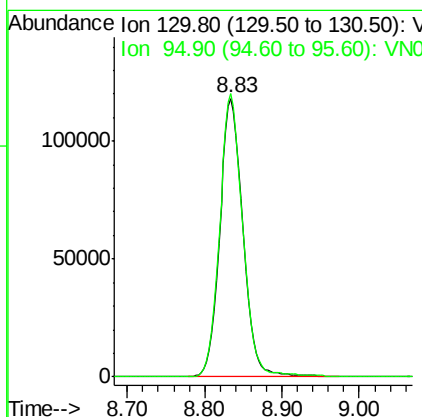
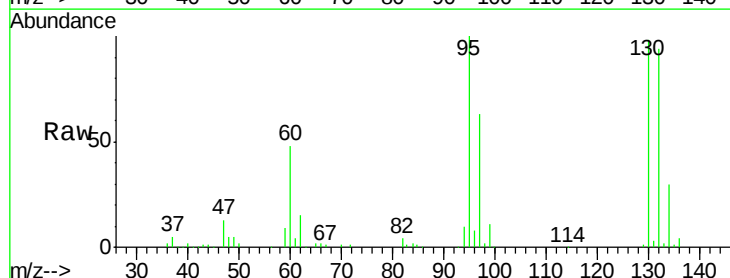
Manual Integrations  
APPROVED

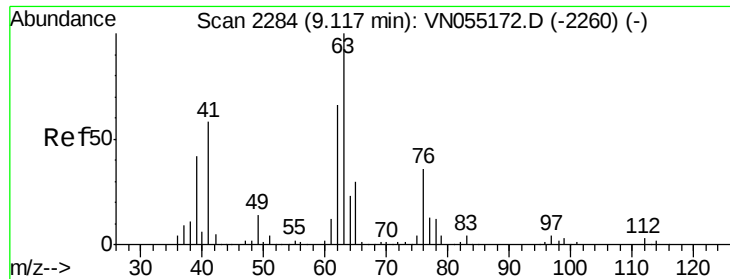
MMDadoda  
4/29/2019 10:56:52 AM



#44  
Trichloroethene  
Concen: 50.771 ug/l  
RT: 8.83 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.7 | 0.0   | 203.6 |





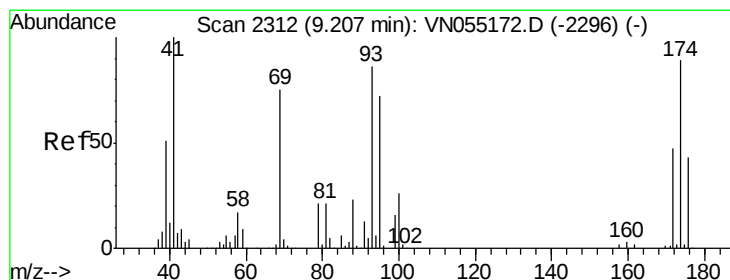
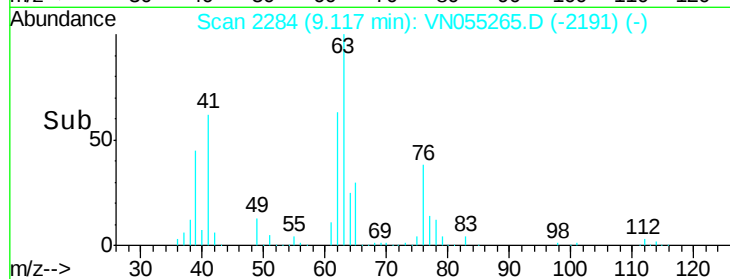
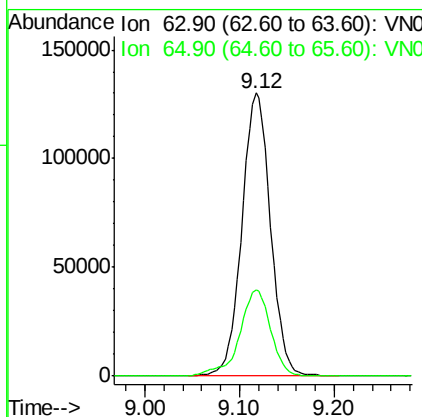
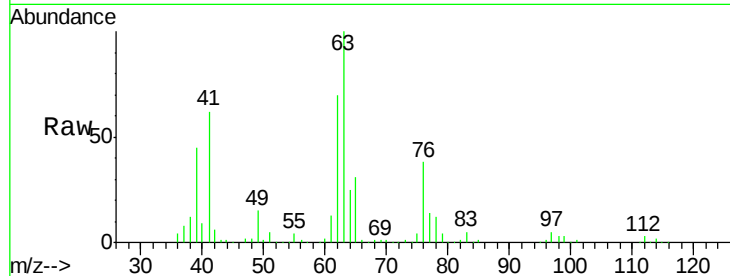
#45  
 1,2-Dichloropropane  
 Concen: 50.429 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 273750 |       |       |
| 65      | 30.5  |        | 23.8  | 35.6  |

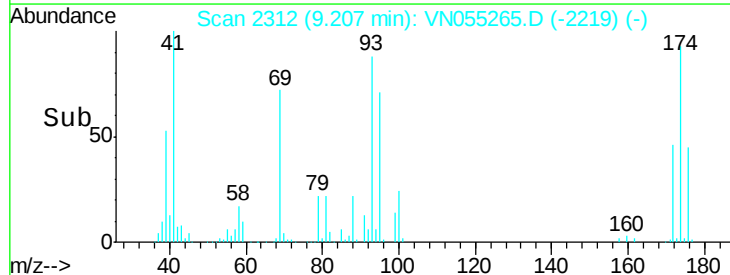
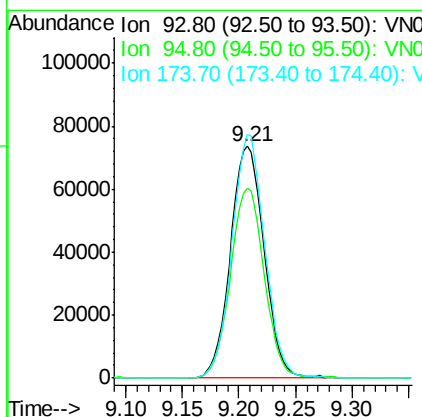
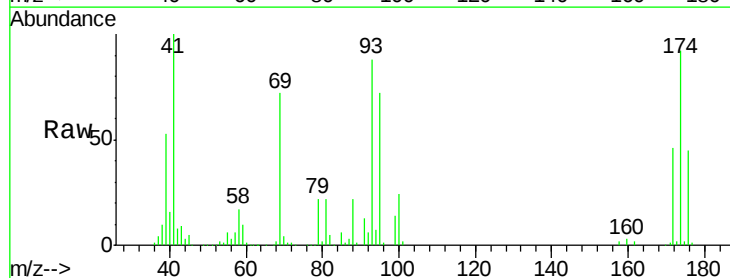
Manual Integrations  
 APPROVED

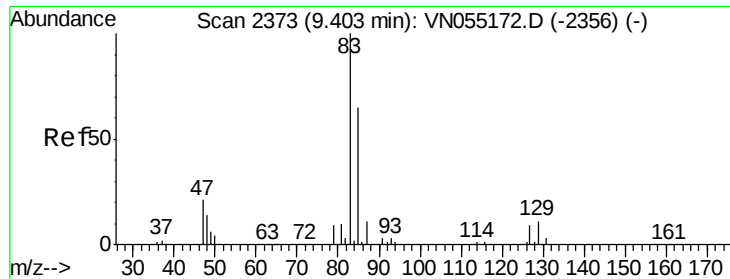
MMDadoda  
 4/29/2019 10:56:52 AM



#46  
 Dibromomethane  
 Concen: 49.241 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 153017 |       |       |
| 95      | 81.7  |        | 67.6  | 101.4 |
| 174     | 102.0 |        | 83.4  | 125.2 |





#47

Bromodichloromethane

Concen: 53.215 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

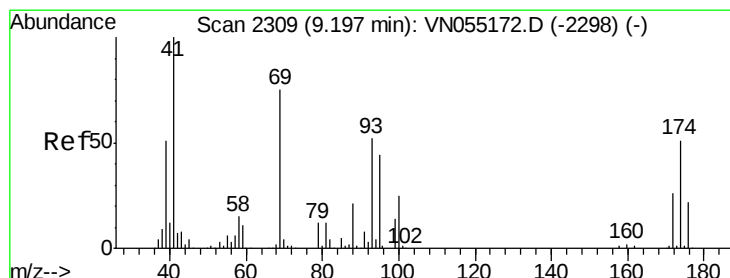
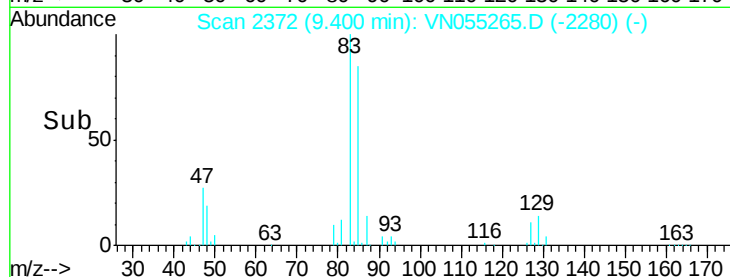
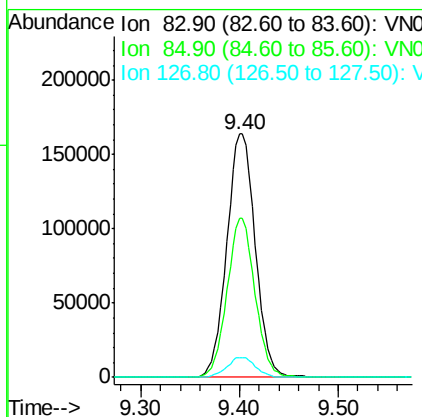
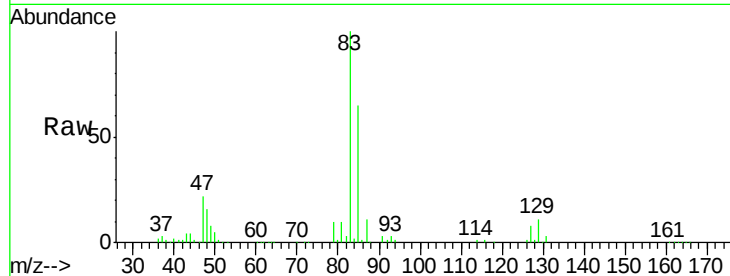
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 331043 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 65.3  | 52.1  | 78.1   |
| 127       | 8.2   | 6.9   | 10.3   |

Manual Integrations  
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4/29/2019 10:56:52 AM



#48

Methyl methacrylate

Concen: 50.742 ug/l

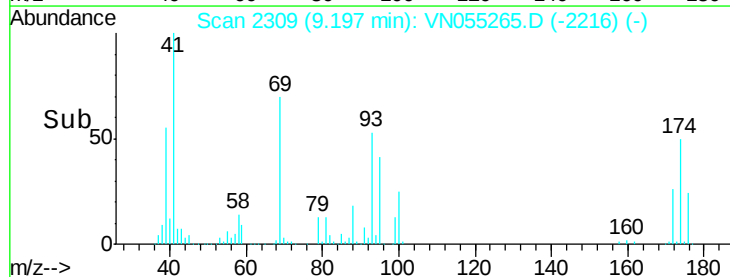
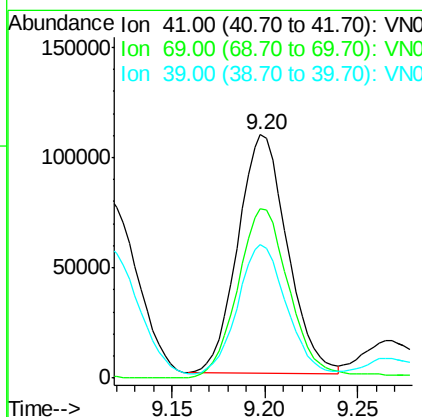
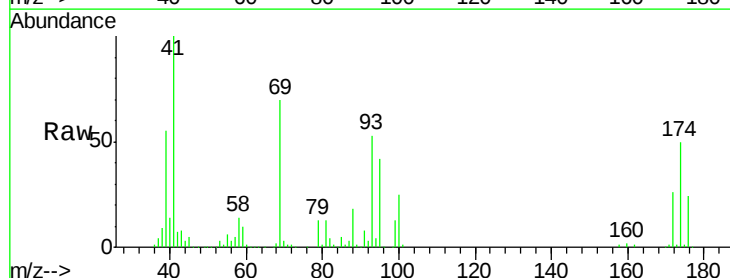
RT: 9.20 min Scan# 2309

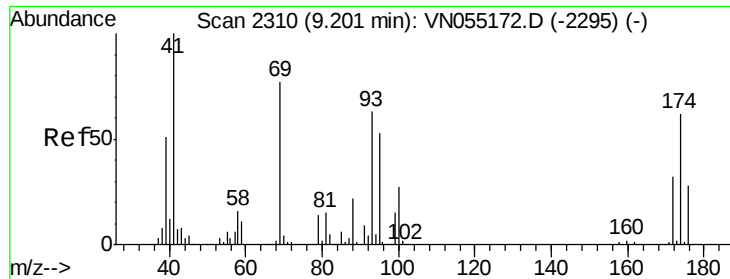
Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 200389 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 75.2  | 63.6  | 95.4   |
| 39        | 56.8  | 43.8  | 65.8   |





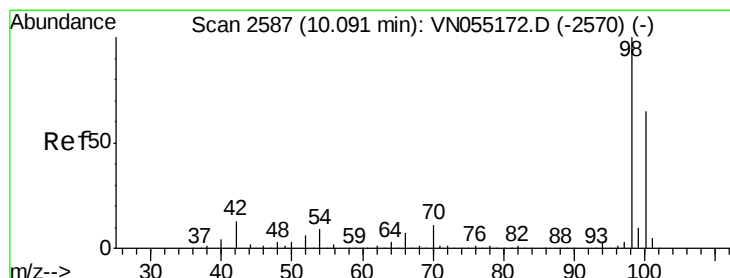
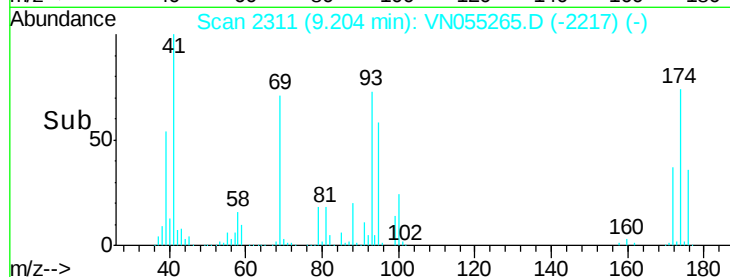
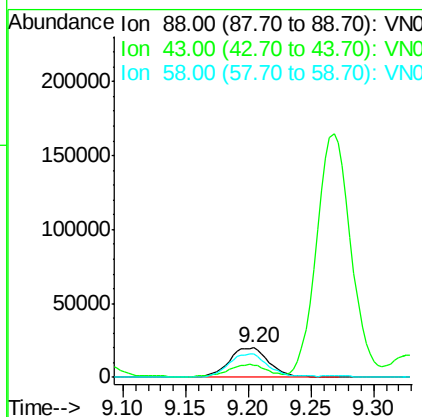
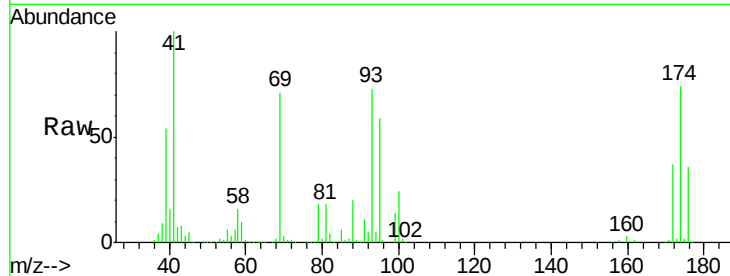
#49  
1,4-Dioxane  
Concen: 988.091 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 88    | Resp  | 45063 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 38.4  | 32.0  | 48.0  |
| 58        | 77.9  | 60.4  | 90.6  |

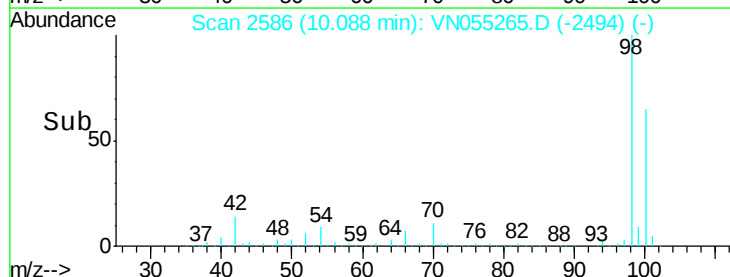
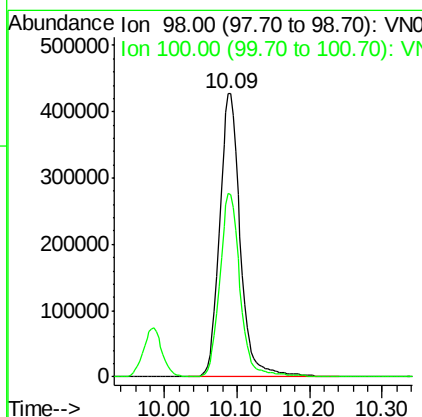
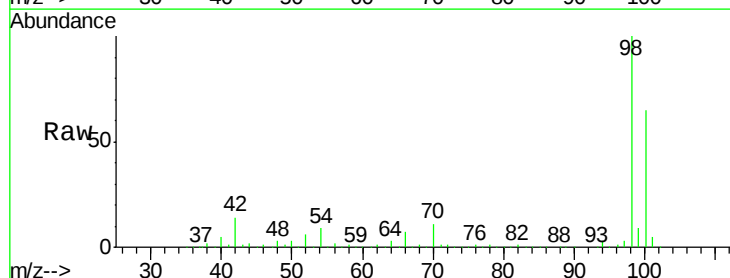
Manual Integrations  
APPROVED

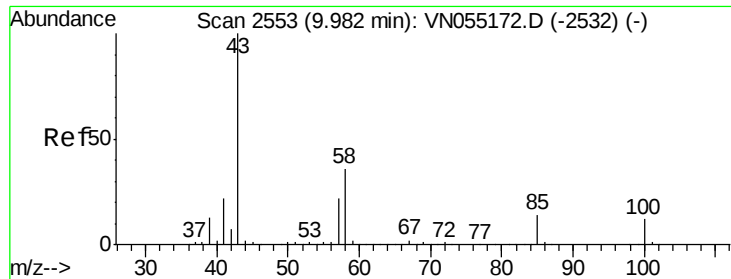
MMDadoda  
4/29/2019 10:56:52 AM



#50  
Toluene-d8  
Concen: 49.800 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion   | 98    | Resp  | 841354 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 64.2  | 51.8  | 77.6   |





#51

4-Methyl-2-Pentanone

Concen: 249.663 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1169614

Ion Ratio Lower Upper

43 100

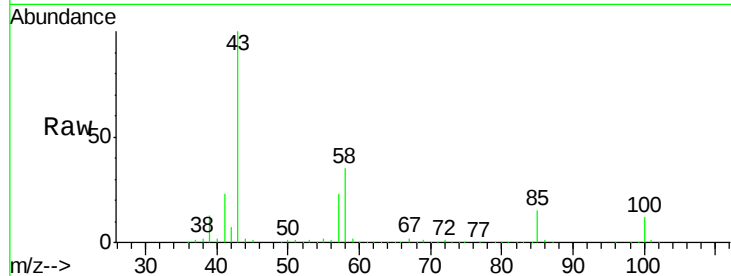
58 35.2 28.3 42.5

Manual Integrations

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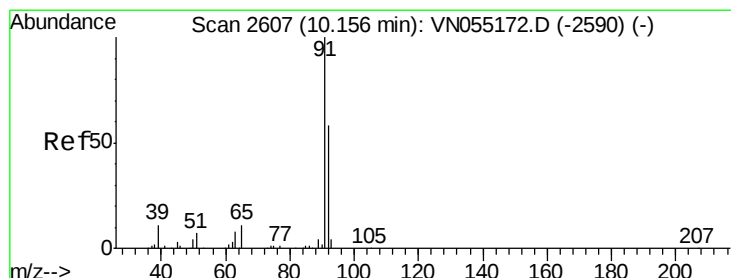
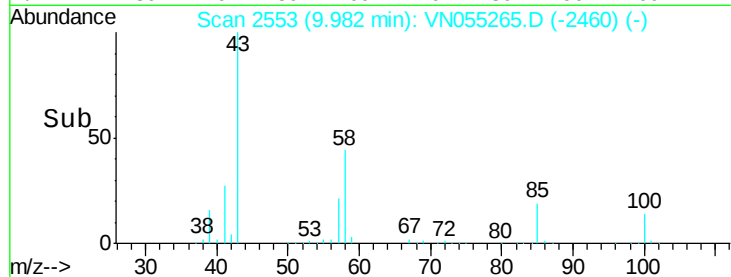
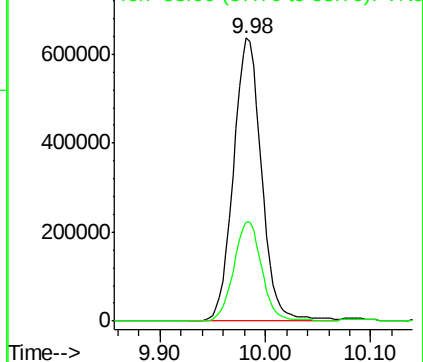
MMDadoda

4/29/2019 10:56:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.755 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055265.D

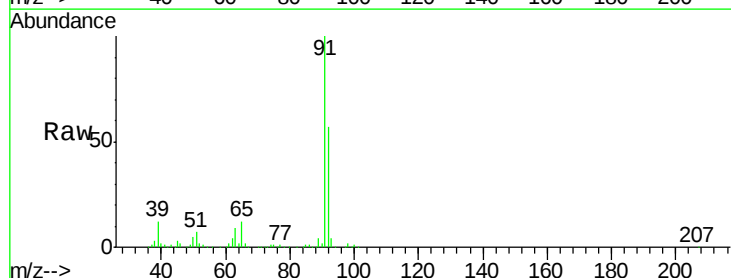
Acq: 26 Apr 2019 10:07

Tgt Ion: 92 Resp: 560919

Ion Ratio Lower Upper

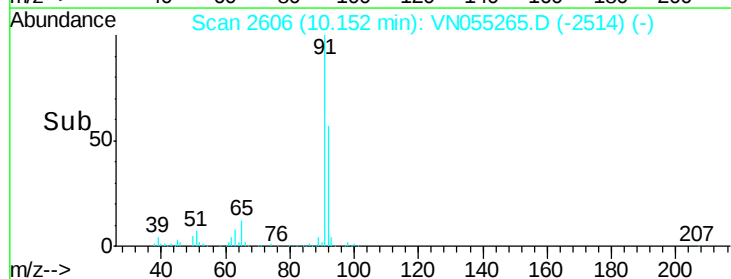
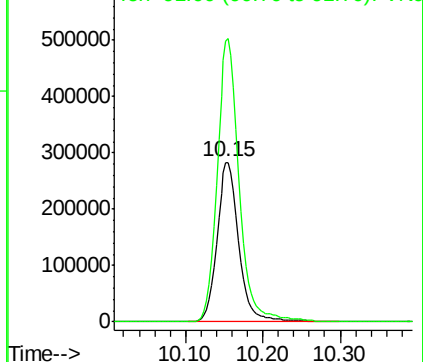
92 100

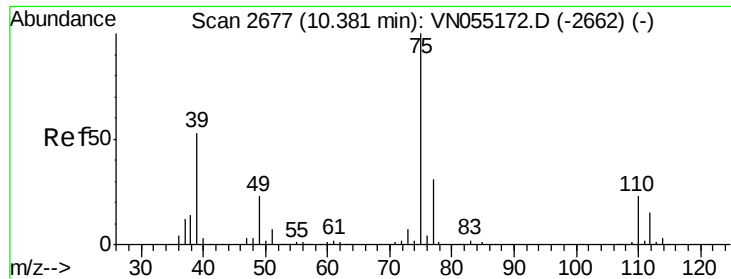
91 178.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





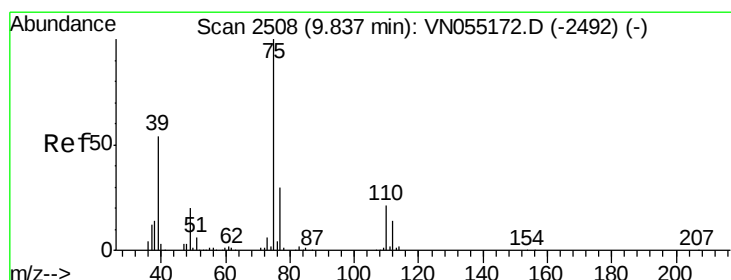
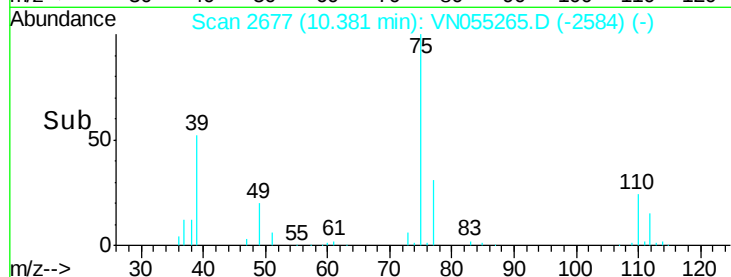
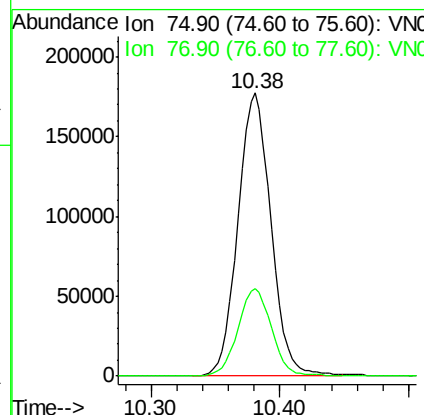
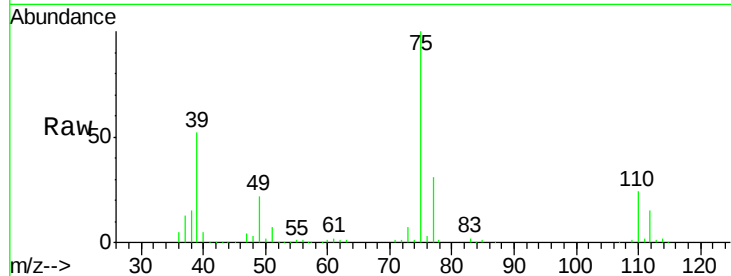
#53  
 t-1,3-Dichloropropene  
 Concen: 55.389 ug/l  
 RT: 10.38 min Scan# 2677  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 75 Resp: 316217  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.1 37.7

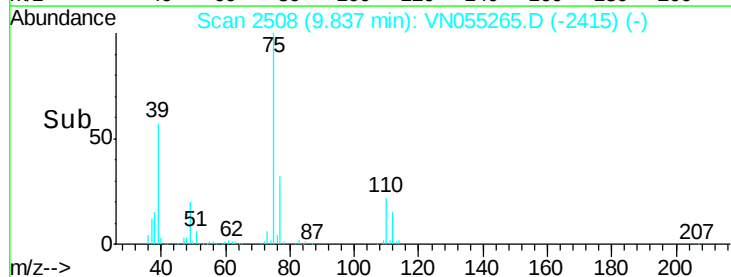
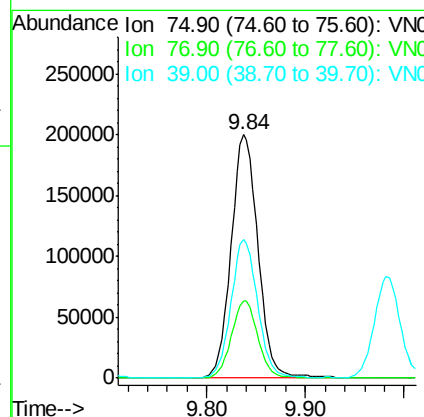
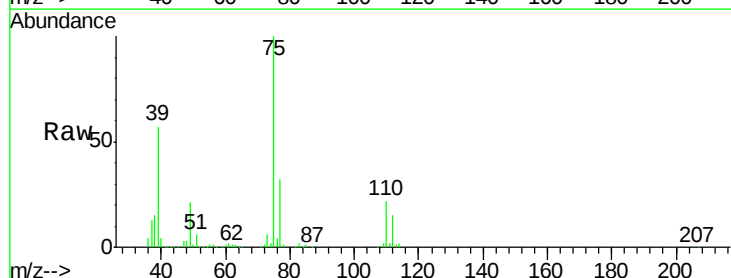
Manual Integrations  
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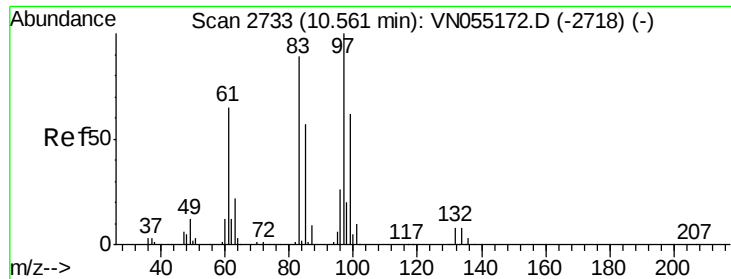
MMDadoda  
 4/29/2019 10:56:52 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.847 ug/l  
 RT: 9.84 min Scan# 2508  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Tgt Ion: 75 Resp: 381483  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 24.3 36.5  
 39 56.7 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 49.292 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 204872

Ion Ratio Lower Upper

97 100

83 88.6 71.5 107.3

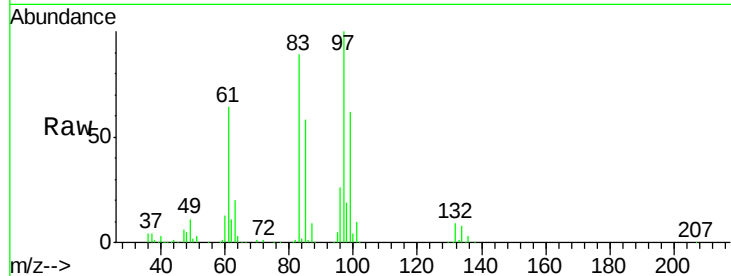
85 57.7 45.8 68.6

99 61.7 49.9 74.9

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4/29/2019 10:56:52 AM

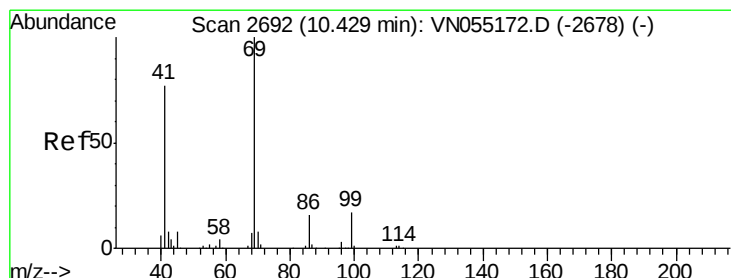
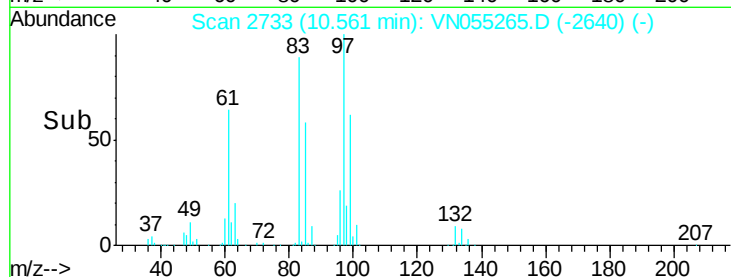
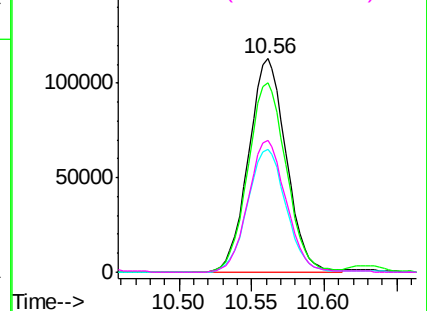


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 53.784 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

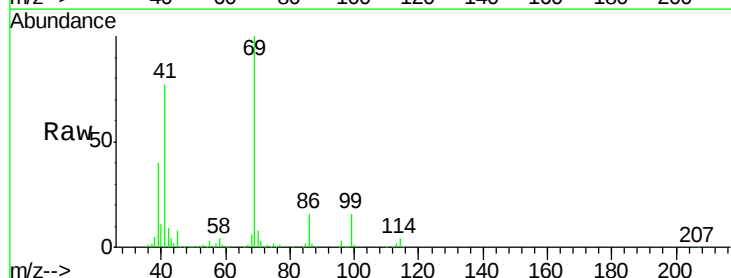
Tgt Ion: 69 Resp: 278477

Ion Ratio Lower Upper

69 100

41 75.6 60.6 90.8

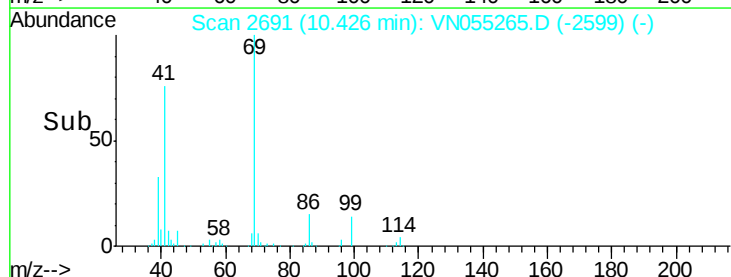
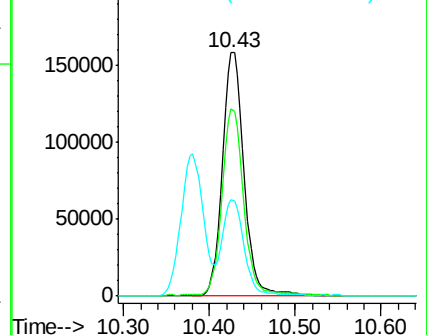
39 39.6 31.7 47.5

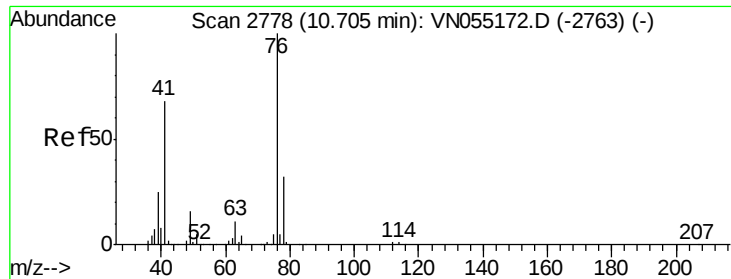


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





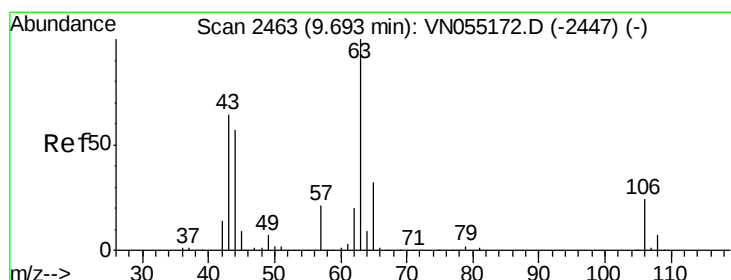
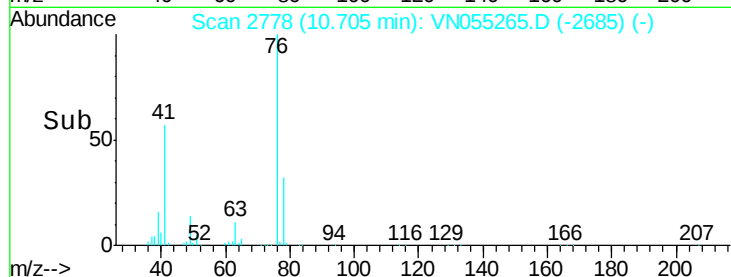
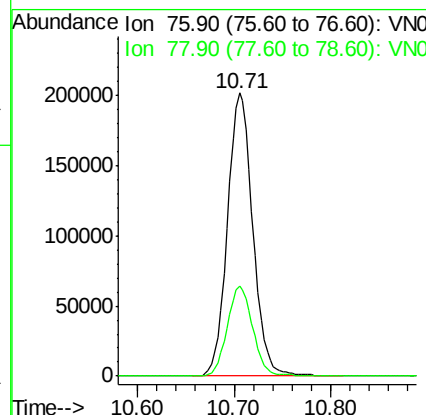
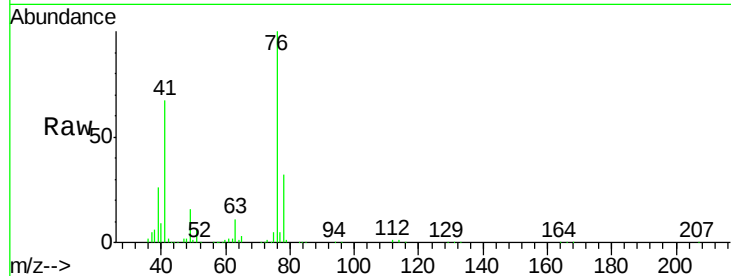
#57  
 1,3-Dichloropropane  
 Concen: 50.652 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 76 Resp: 366281  
 Ion Ratio Lower Upper  
 76 100  
 78 32.0 25.3 37.9

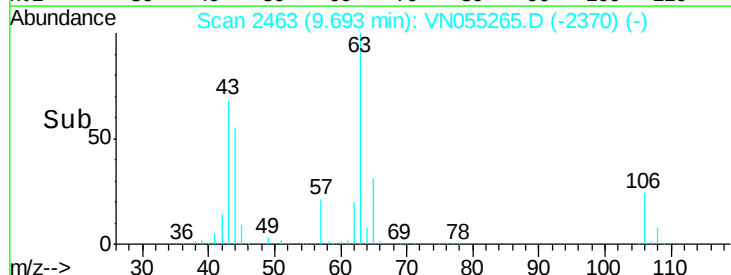
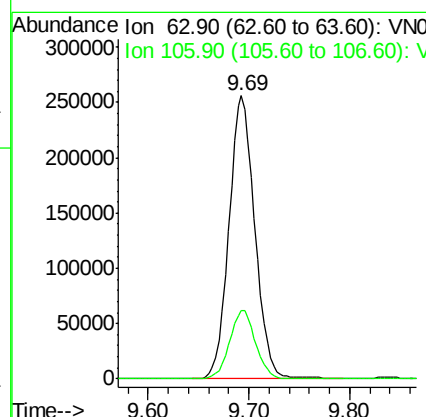
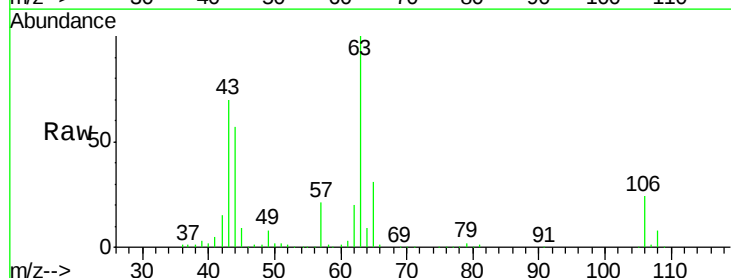
Manual Integrations  
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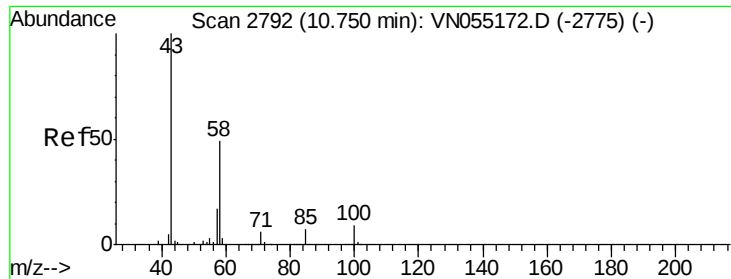
MMDadoda  
 4/29/2019 10:56:52 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 230.207 ug/l  
 RT: 9.69 min Scan# 2463  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Tgt Ion: 63 Resp: 457414  
 Ion Ratio Lower Upper  
 63 100  
 106 24.2 19.4 29.0





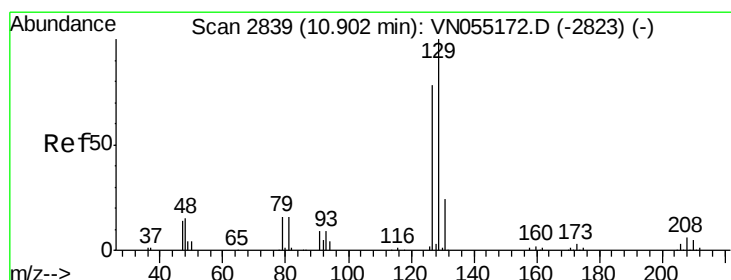
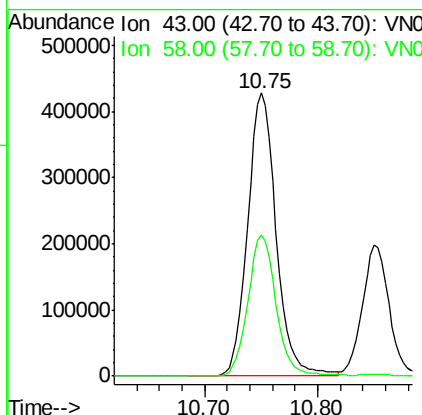
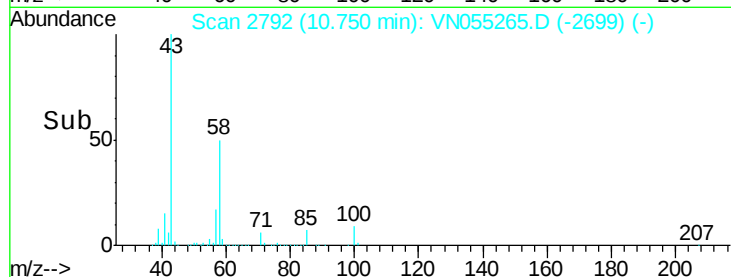
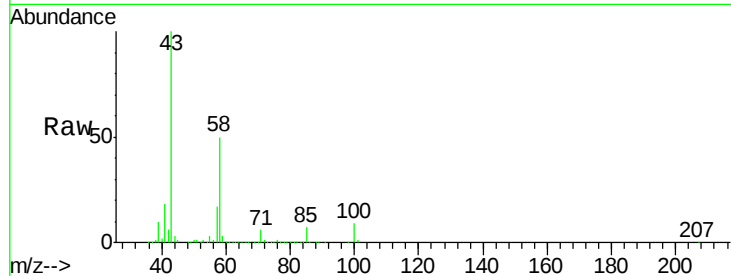
#59  
2-Hexanone  
Concen: 252.912 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 49.7  | 24.5  | 73.5  |

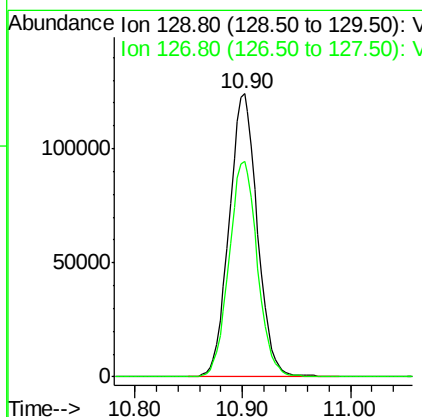
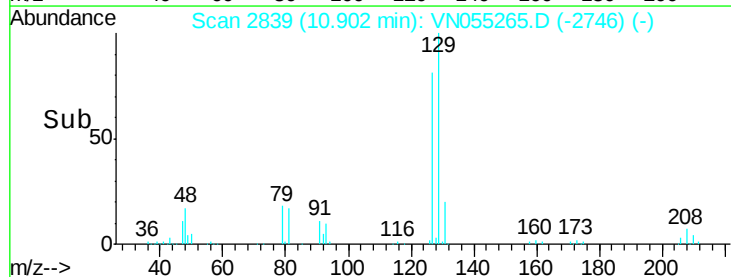
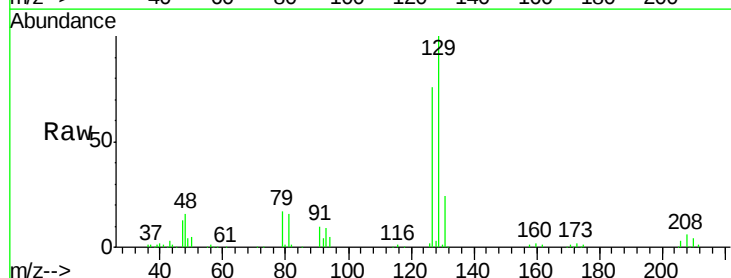
Manual Integrations  
APPROVED

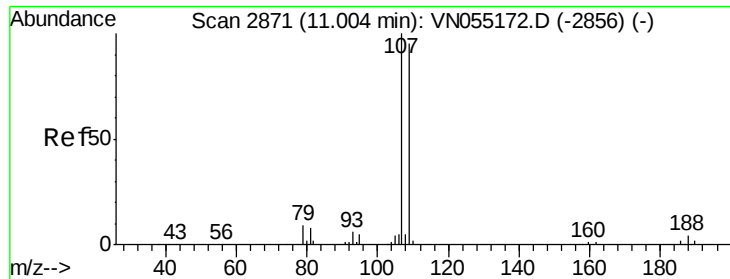
MMDadoda  
4/29/2019 10:56:52 AM



#60  
Dibromochloromethane  
Concen: 52.896 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.5  | 39.0  | 117.0 |





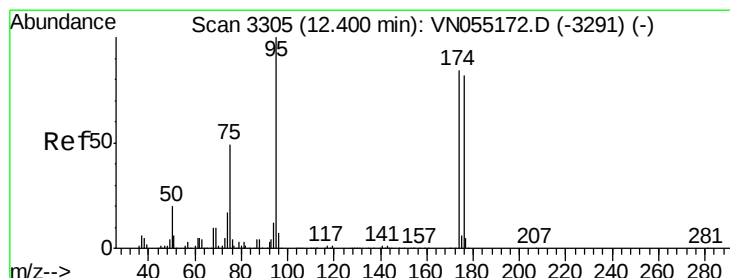
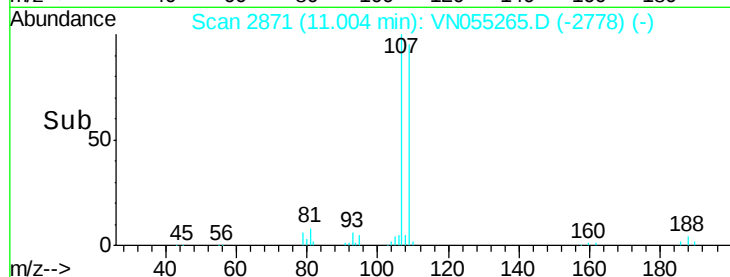
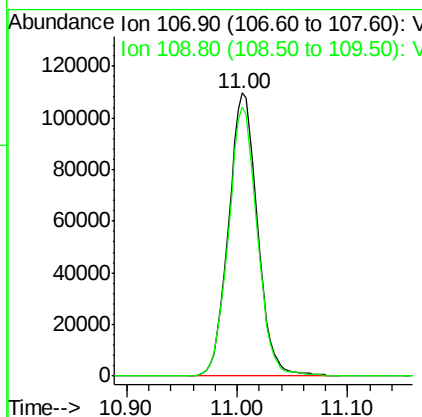
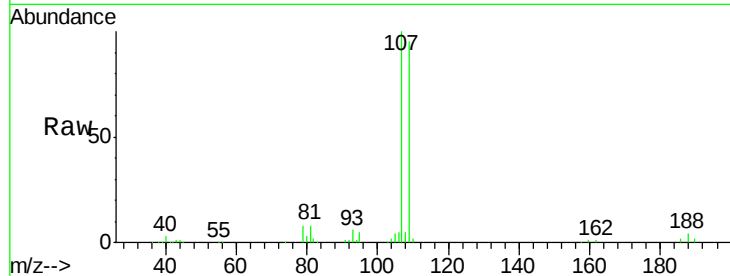
#61  
 1,2-Dibromoethane  
 Concen: 51.105 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 107 Resp: 199706  
 Ion Ratio Lower Upper  
 107 100  
 109 94.6 75.8 113.6

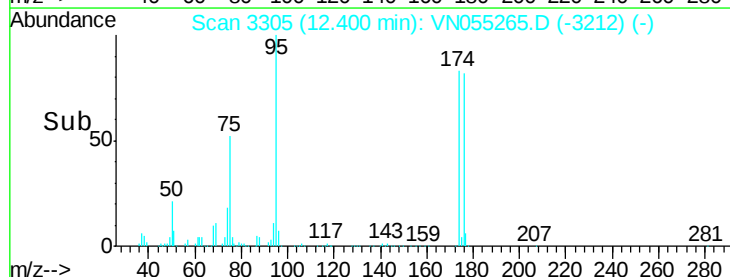
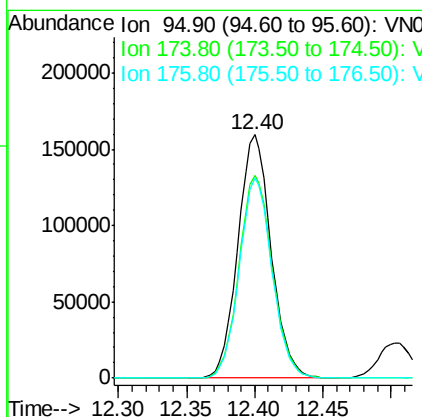
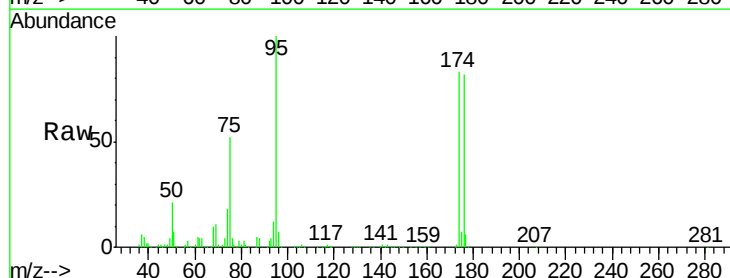
Manual Integrations  
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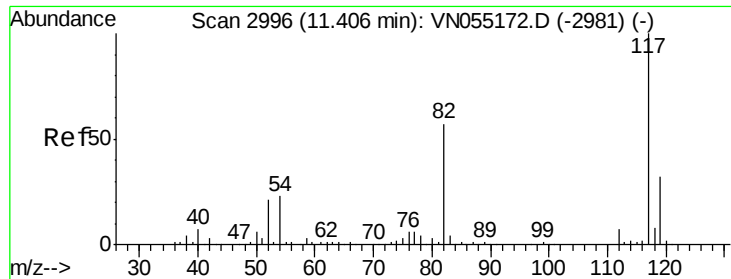
MMDadoda  
 4/29/2019 10:56:52 AM



#62  
 4-Bromofluorobenzene  
 Concen: 50.386 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Tgt Ion: 95 Resp: 269567  
 Ion Ratio Lower Upper  
 95 100  
 174 83.7 0.0 168.4  
 176 81.0 0.0 164.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

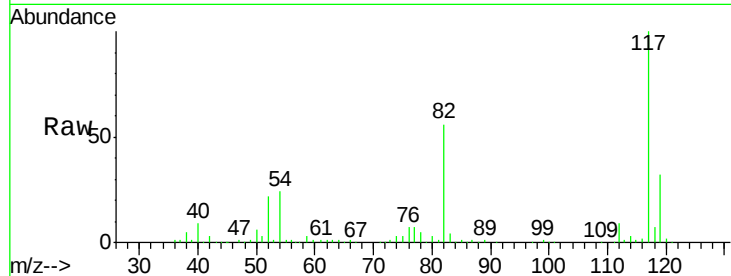
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 565139 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.3  | 45.7  | 68.5   |
| 119       | 32.3  | 25.4  | 38.2   |

Manual Integrations  
APPROVED

MMDadoda  
4/29/2019 10:56:52 AM

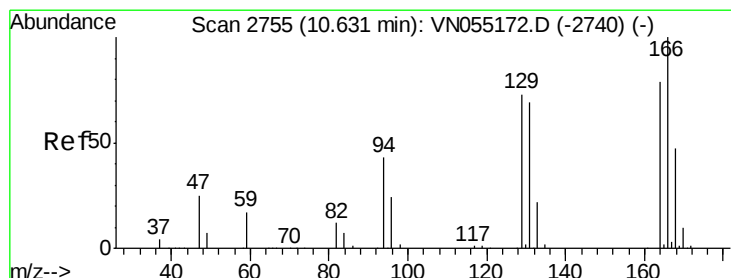
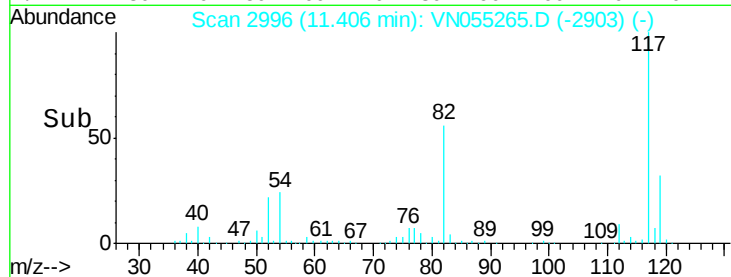
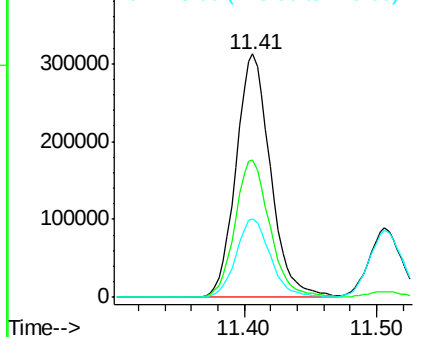


Abundance

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: 50.083 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 230898 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 124.7 | 101.9 | 152.9  |
| 129       | 91.0  | 74.1  | 111.1  |
| 131       | 87.7  | 70.6  | 106.0  |

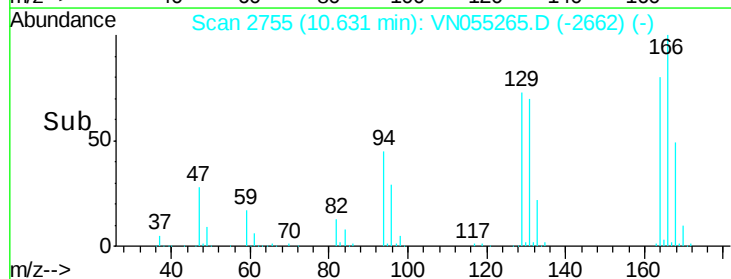
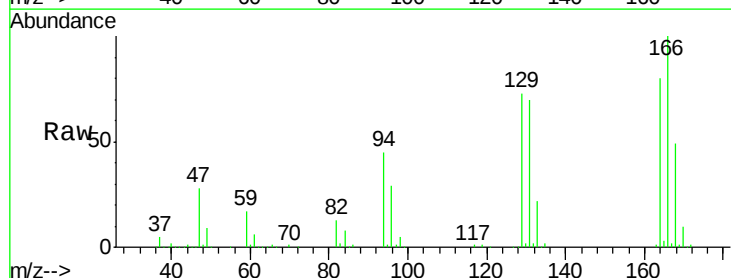
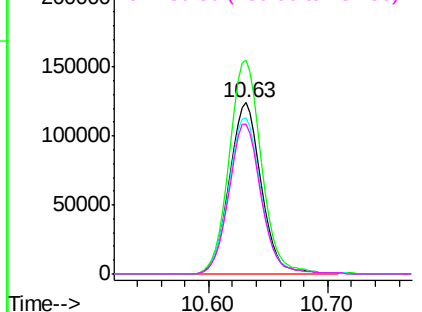
Abundance

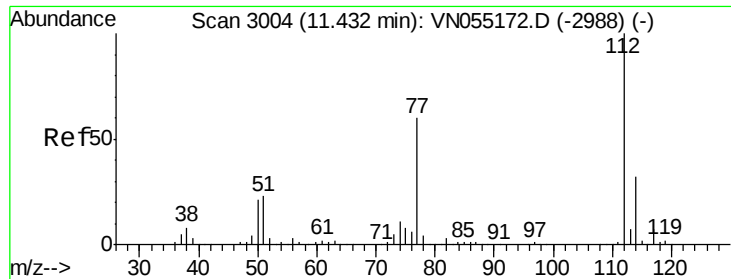
Ion 163.80 (163.50 to 164.50): V

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





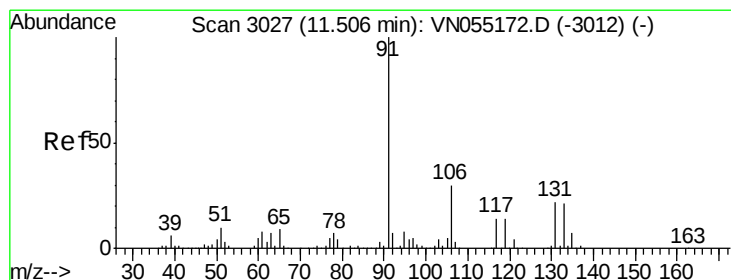
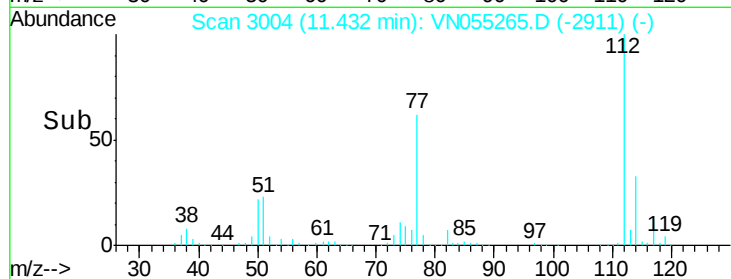
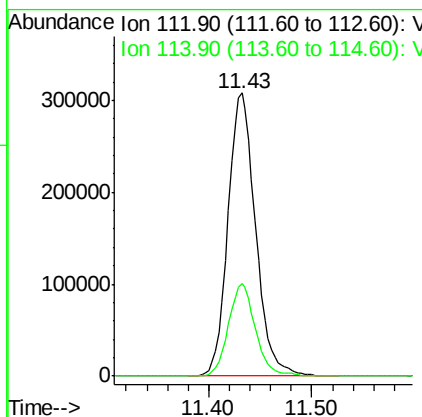
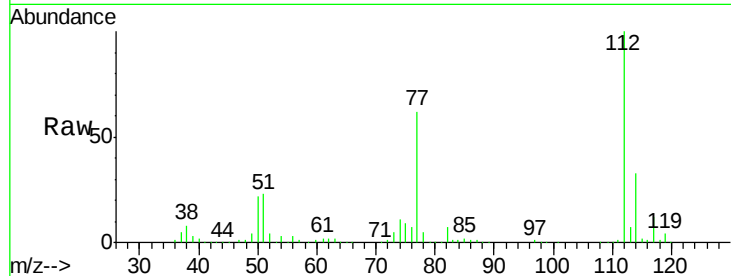
#65  
Chlorobenzene  
Concen: 49.750 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 573869  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.4 38.0

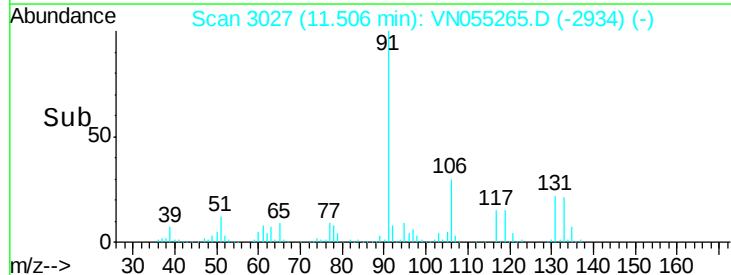
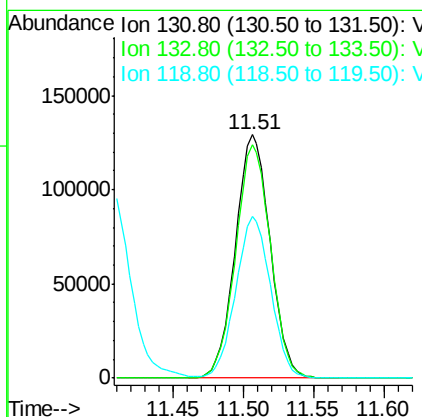
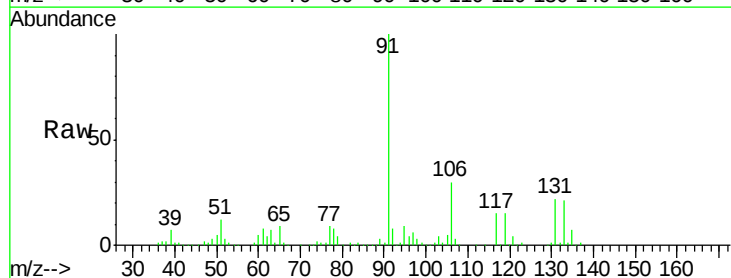
Manual Integrations  
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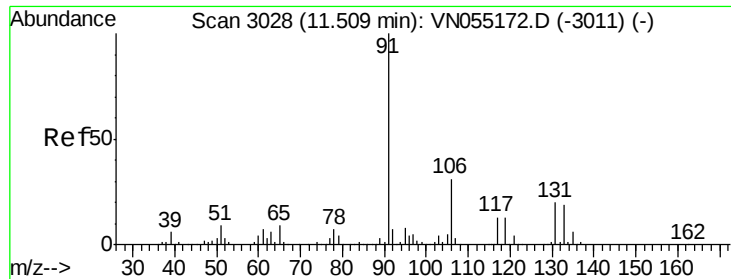
MMDadoda  
4/29/2019 10:56:52 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.116 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Tgt Ion:131 Resp: 222809  
Ion Ratio Lower Upper  
131 100  
133 96.2 47.7 143.1  
119 66.7 33.2 99.6





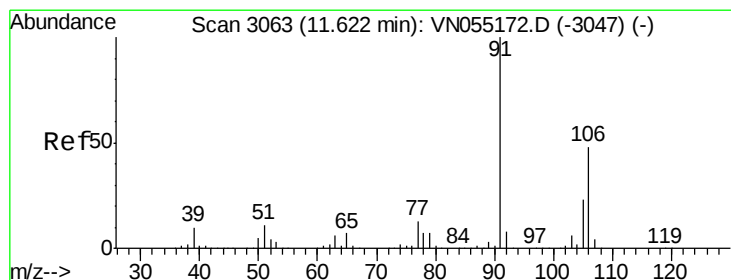
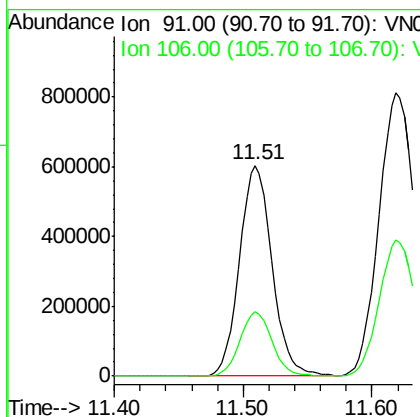
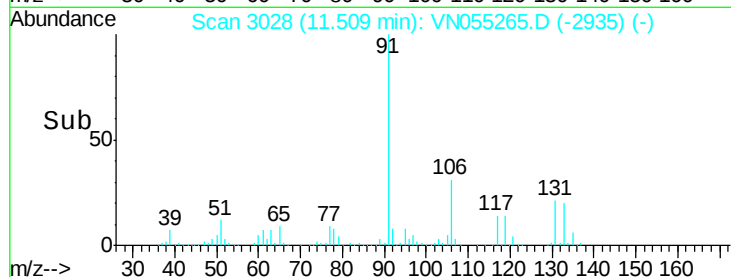
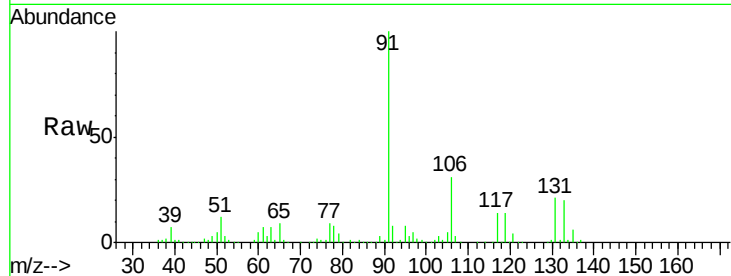
#67  
Ethyl Benzene  
Concen: 51.727 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 1062865  
Ion Ratio Lower Upper  
91 100  
106 30.5 24.5 36.7

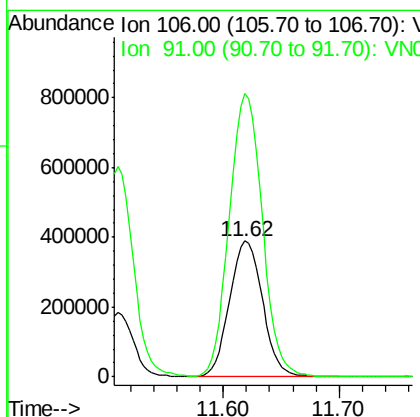
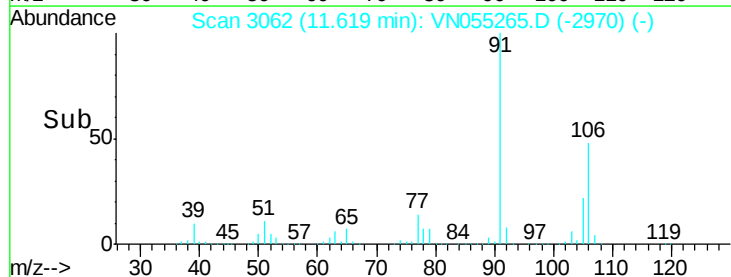
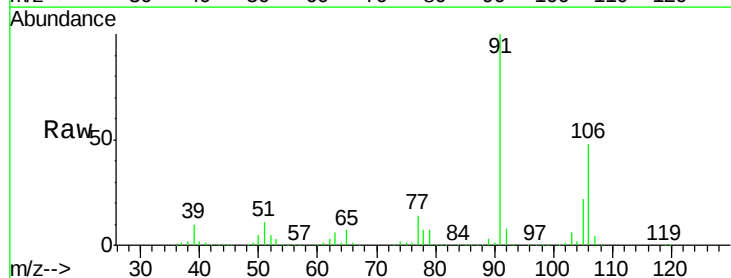
Manual Integrations  
APPROVED

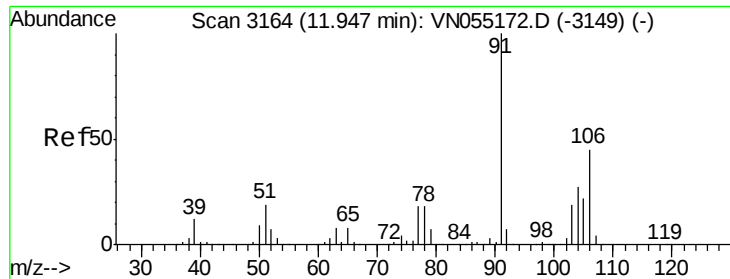
MMDadoda  
4/29/2019 10:56:52 AM



#68  
m/p-Xylenes  
Concen: 104.360 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Tgt Ion: 106 Resp: 769096  
Ion Ratio Lower Upper  
106 100  
91 208.1 167.1 250.7





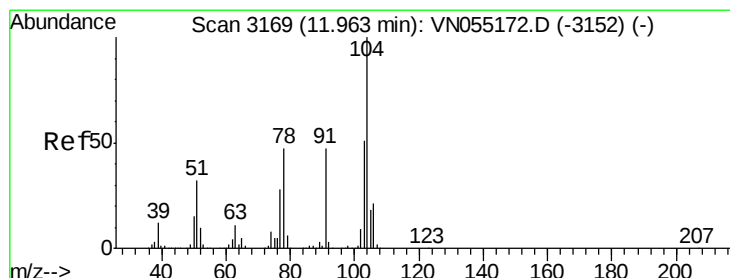
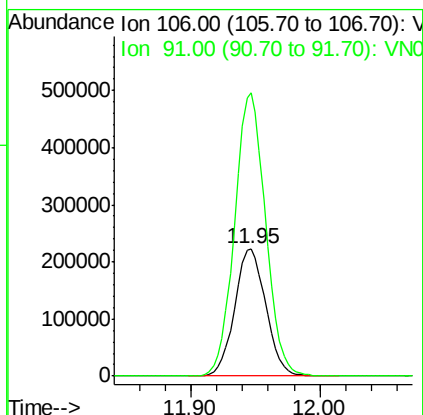
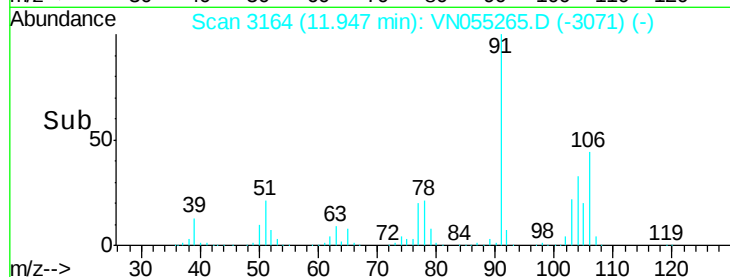
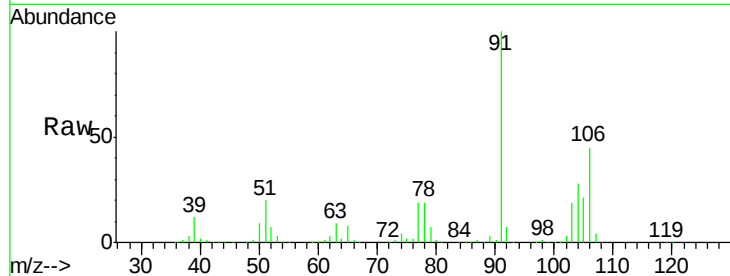
#69  
o-Xylene  
Concen: 51.092 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleID :  
VSTDCCC050

Tot Ion:106 Resp: 373671  
Ion Ratio Lower Upper  
106 100  
91 221.1 110.6 331.8

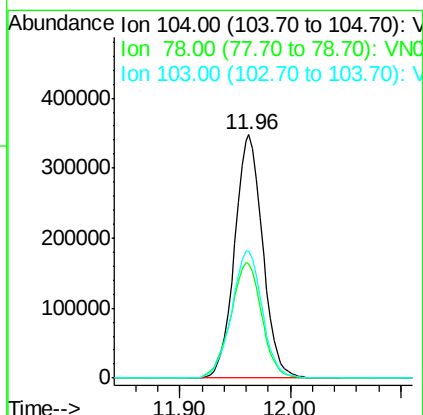
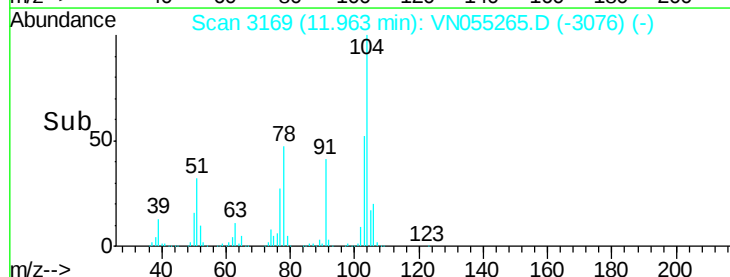
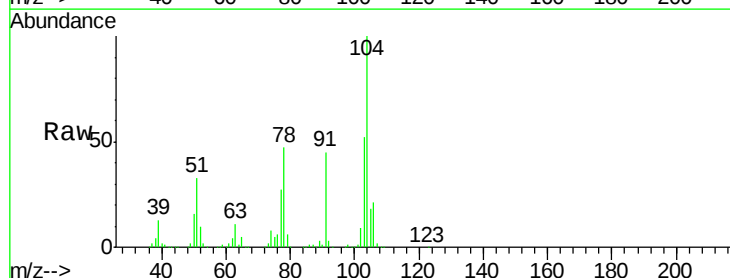
Manual Integrations  
APPROVED

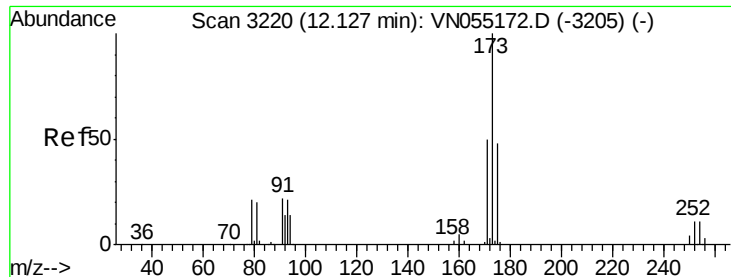
MMDadoda  
4/29/2019 10:56:52 AM



#70  
Styrene  
Concen: 53.897 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Tgt Ion:104 Resp: 611010  
Ion Ratio Lower Upper  
104 100  
78 52.7 41.3 61.9  
103 57.2 44.2 66.4





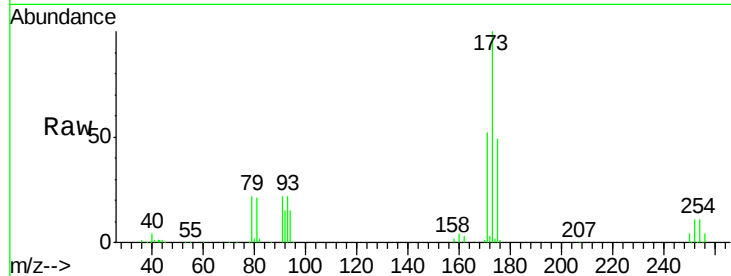
#71  
Bromoform  
Concen: 53.013 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.5  | 23.8  | 71.2  |
| 254     | 0.2   | 0.1   | 0.1#  |

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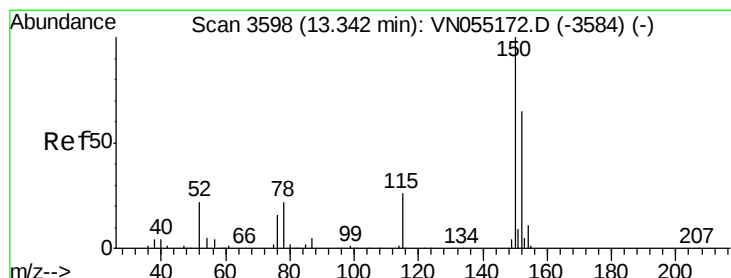
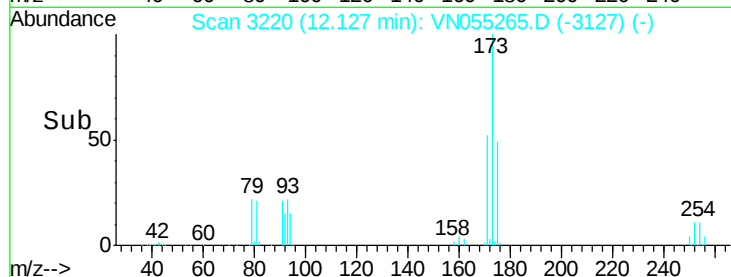
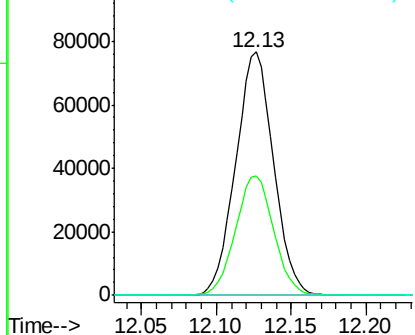


Abundance

Ion 172.70 (172.40 to 173.40): V

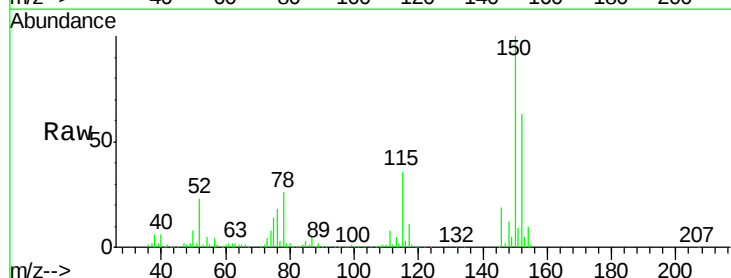
Ion 174.70 (174.40 to 175.40): V

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: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.6  | 28.9  | 86.7  |
| 150     | 172.3 | 0.0   | 346.6 |

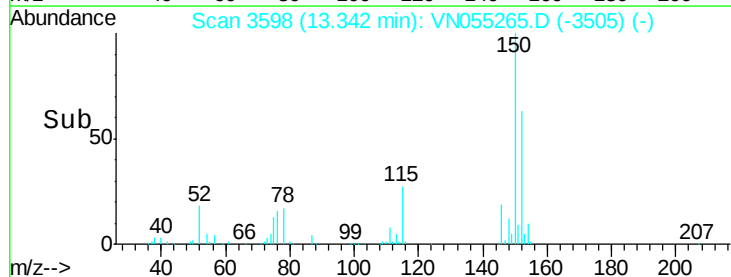
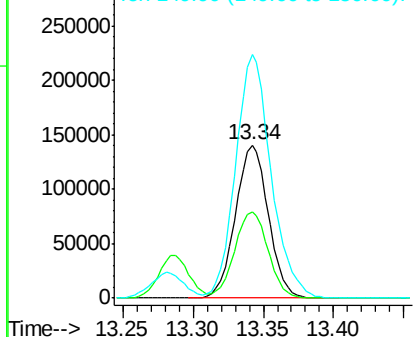


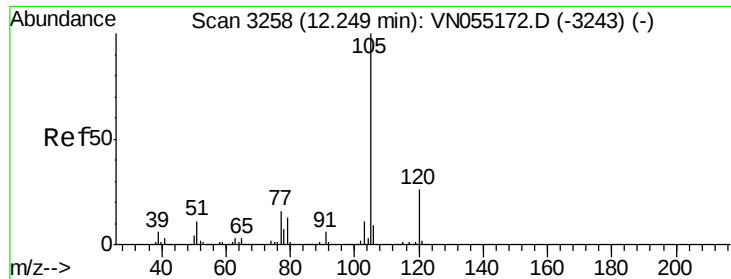
Abundance

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: 54.965 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1007611

Ion Ratio Lower Upper

105 100

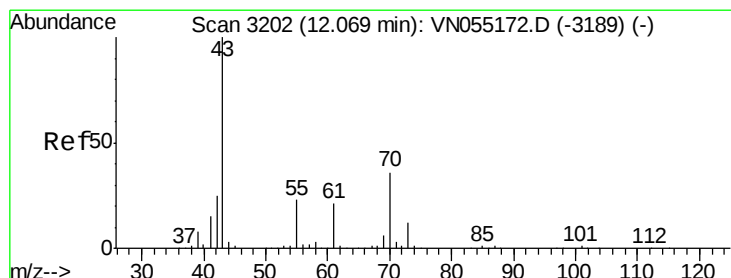
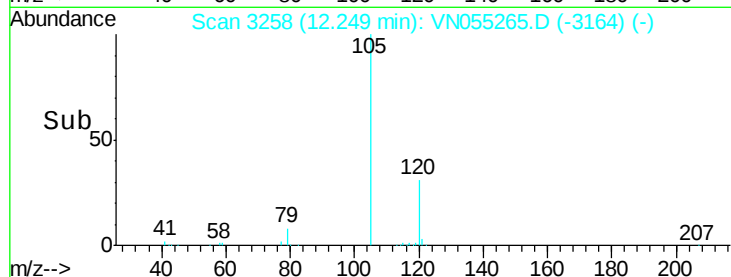
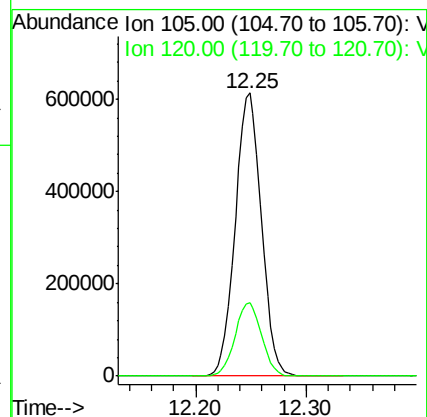
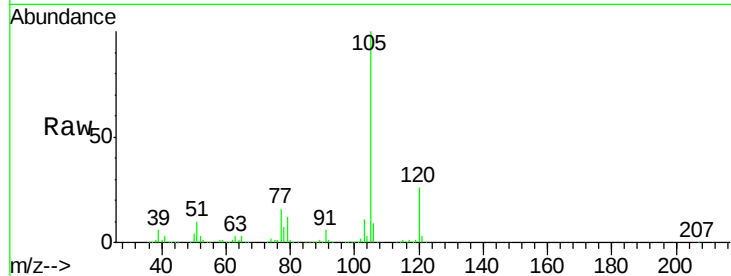
120 26.2 13.1 39.1

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#74

N-ethyl acetate

Concen: 51.923 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Tgt Ion: 43 Resp: 306661

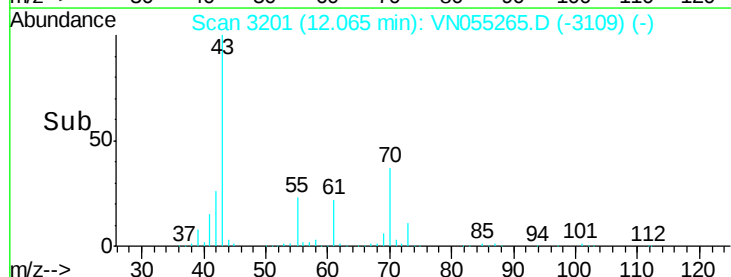
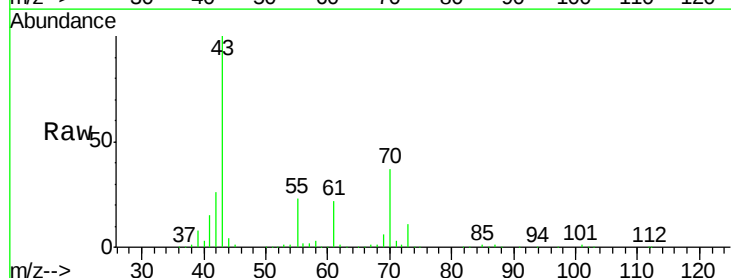
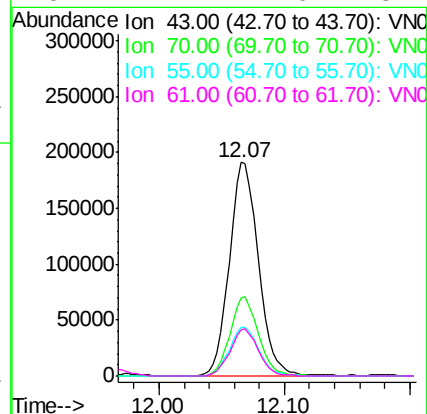
Ion Ratio Lower Upper

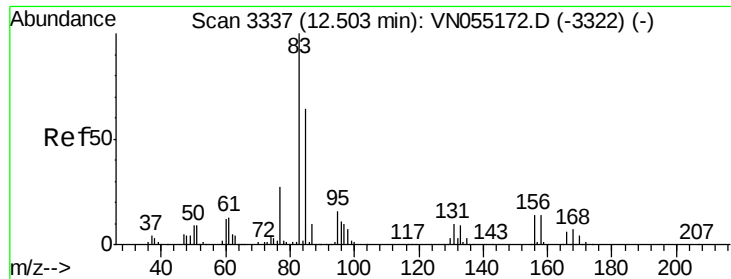
43 100

70 36.4 29.0 43.6

55 23.3 18.5 27.7

61 21.7 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.309 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

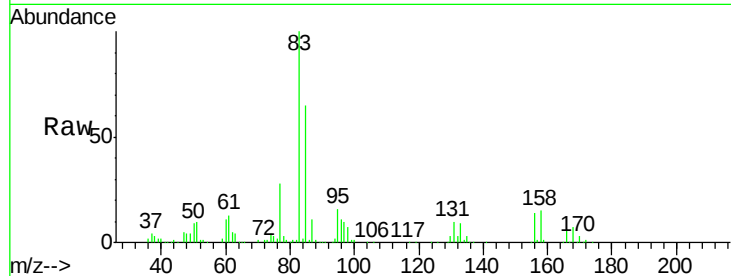
ClientSampleId :

VSTDCCC050

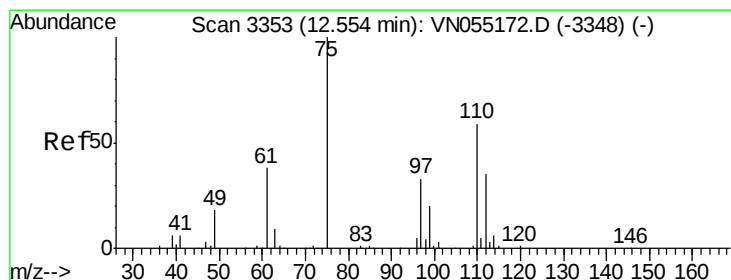
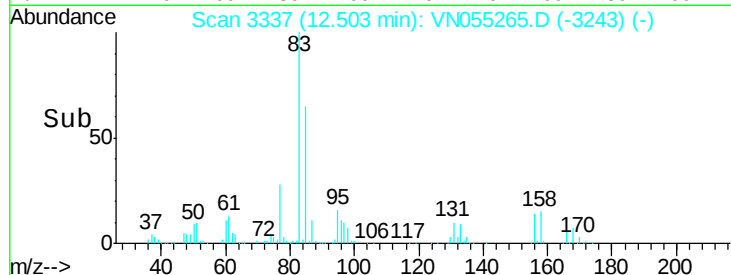
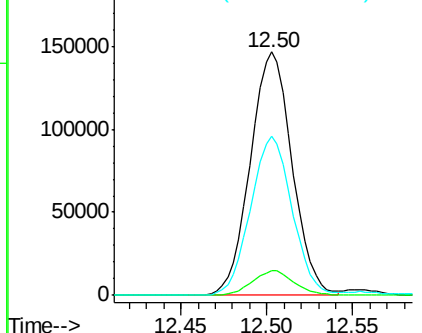
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 247572 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.3  | 5.0   | 15.0   |
| 85        | 64.7  | 32.1  | 96.3   |

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



#76

1,2,3-Trichloropropane

Concen: 45.615 ug/l m

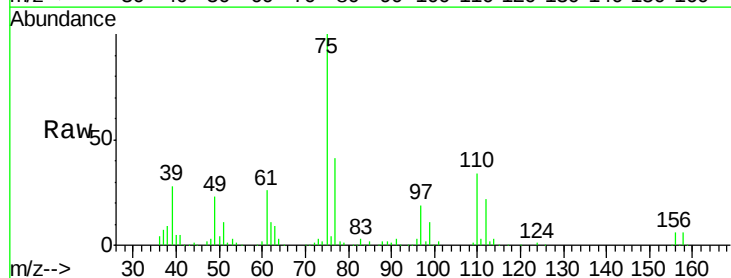
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

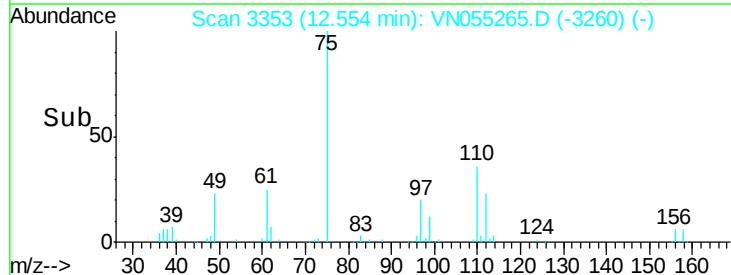
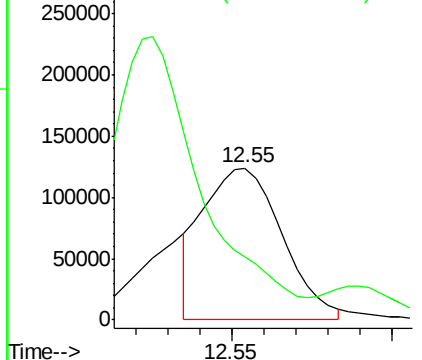
Lab File: VN055265.D

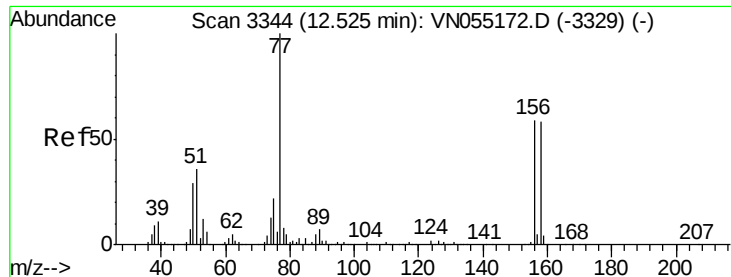
Acq: 26 Apr 2019 10:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 211988 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



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





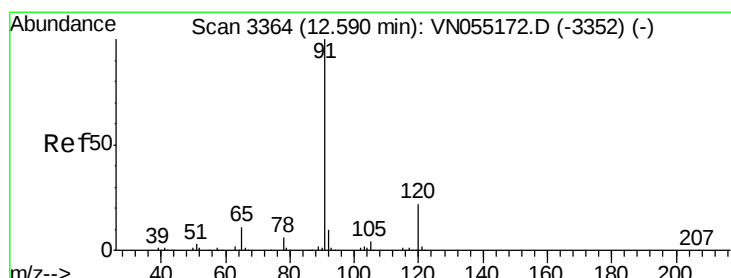
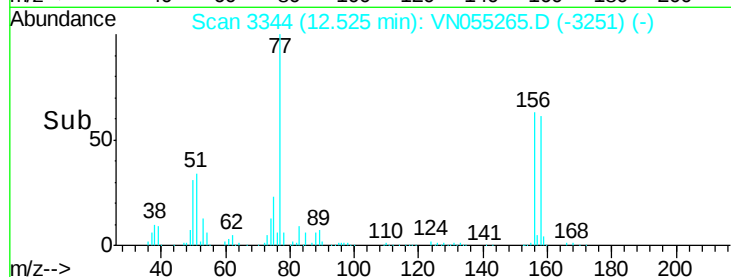
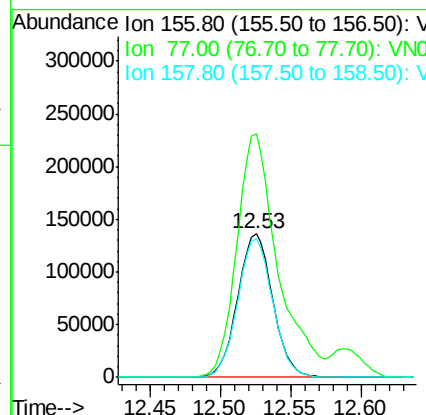
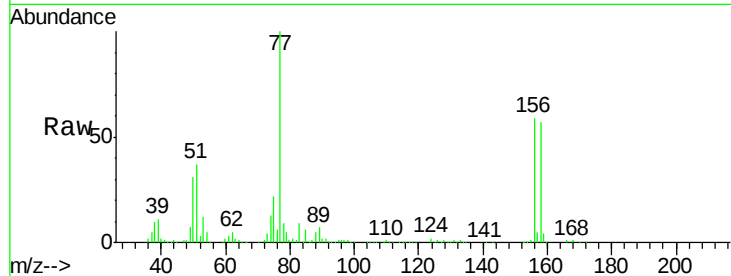
#77  
Bromobenzene  
Concen: 47.048 ug/l  
RT: 12.53 min Scan# 3344  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 237932 |       |       |
| 77      | 197.5 | 98.0  | 293.9  |       |       |
| 158     | 96.8  | 48.9  | 146.8  |       |       |

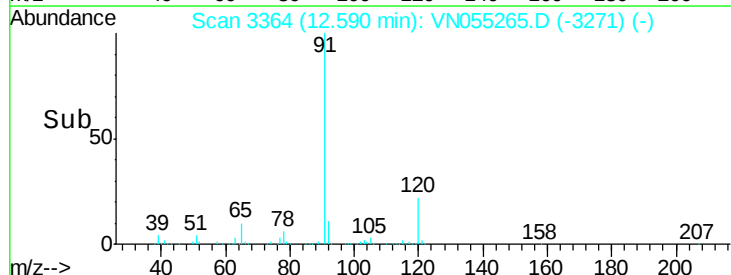
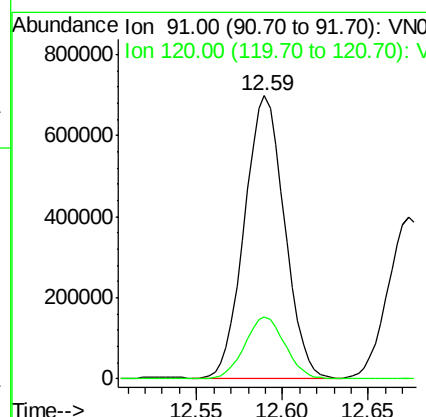
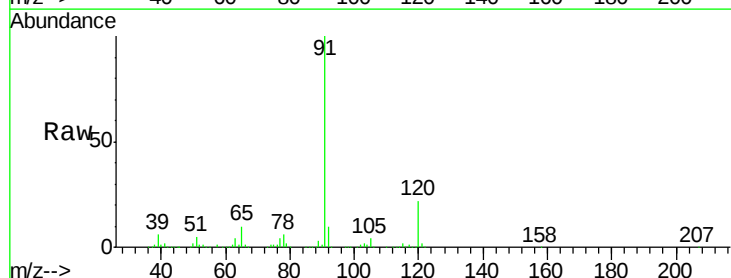
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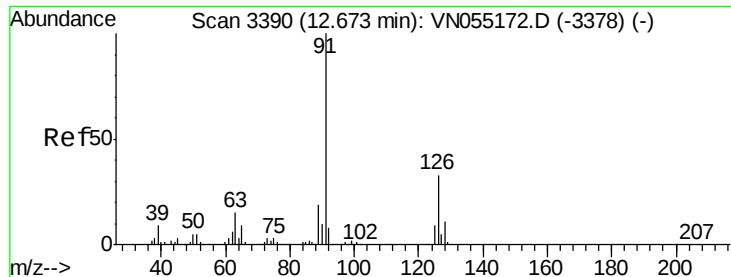
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#78  
n-propylbenzene  
Concen: 48.848 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 91      | 100  |       | 1122207 |       |       |
| 120     | 22.0 | 11.3  | 33.9    |       |       |





#79

2-Chlorotoluene

Concen: 46.060 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 668174

Ion Ratio Lower Upper

91 100

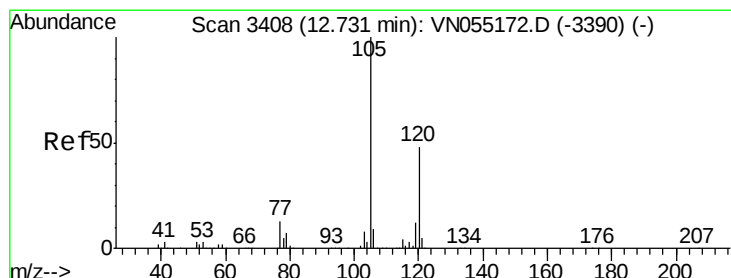
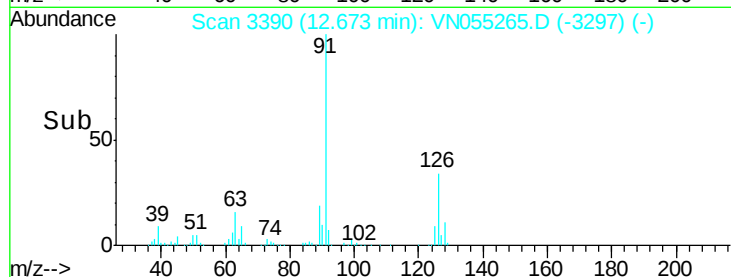
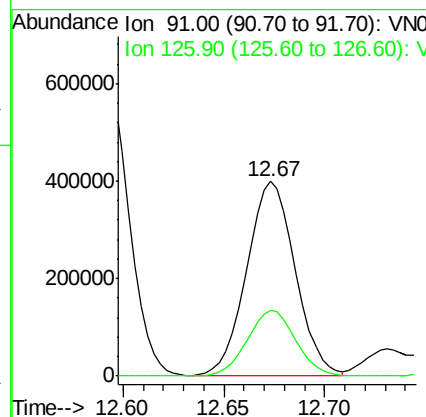
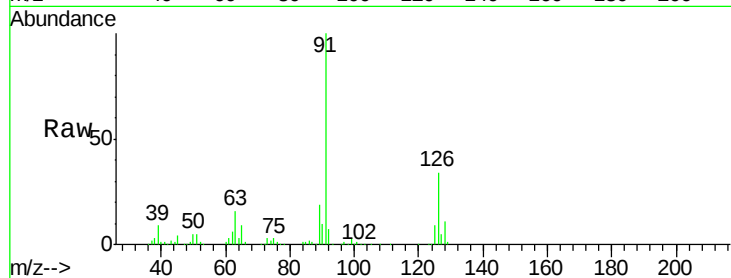
126 34.0 16.8 50.3

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#80

1,3,5-Trimethylbenzene

Concen: 47.719 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055265.D

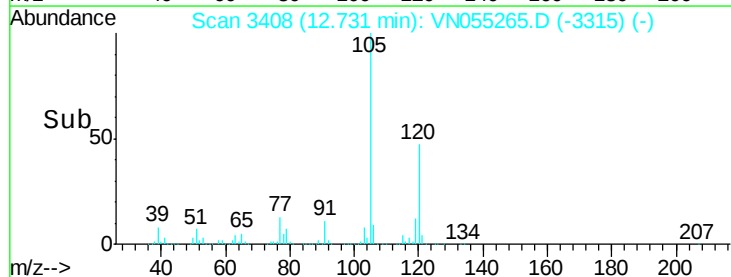
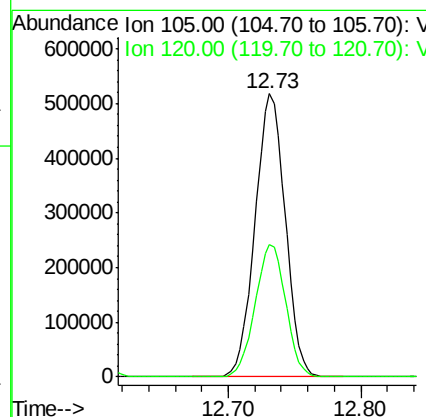
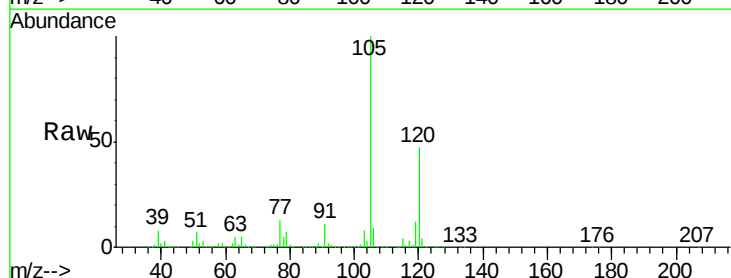
Acq: 26 Apr 2019 10:07

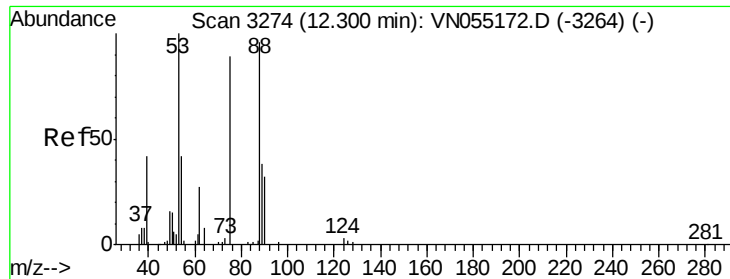
Tgt Ion: 105 Resp: 818328

Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7





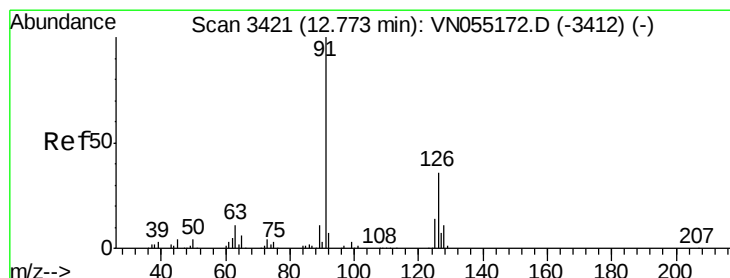
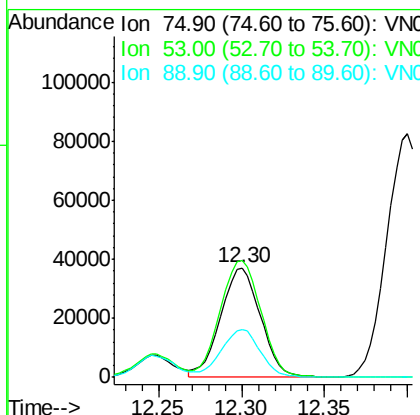
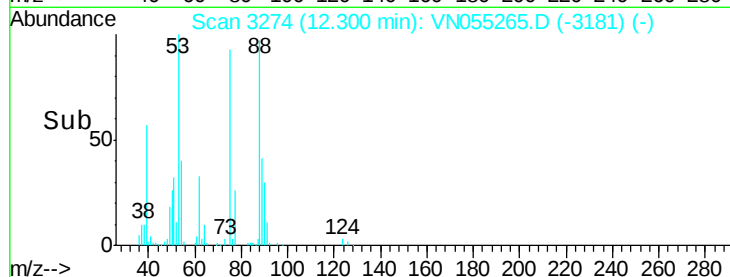
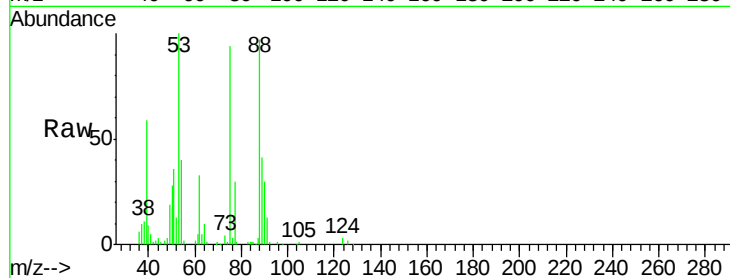
#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.808 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 109.6 | 90.1  | 135.1 |
| 89      | 42.7  | 36.7  | 55.1  |

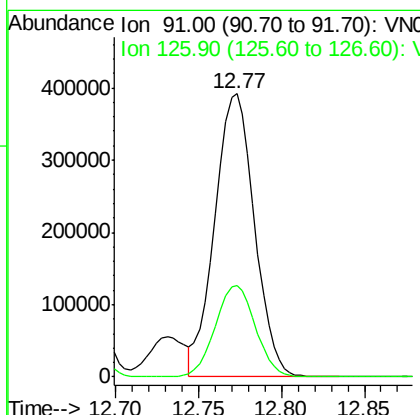
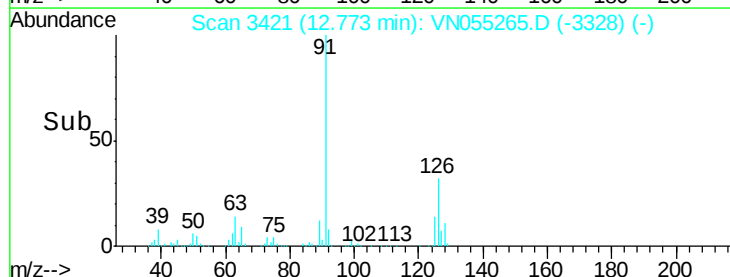
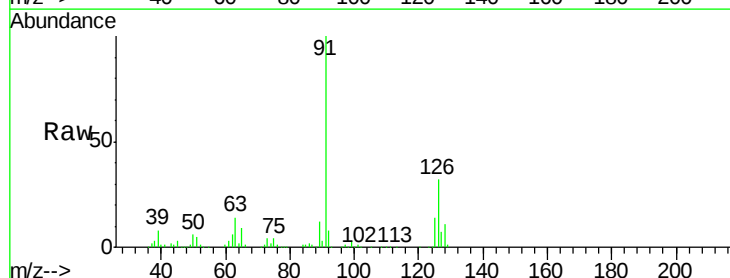
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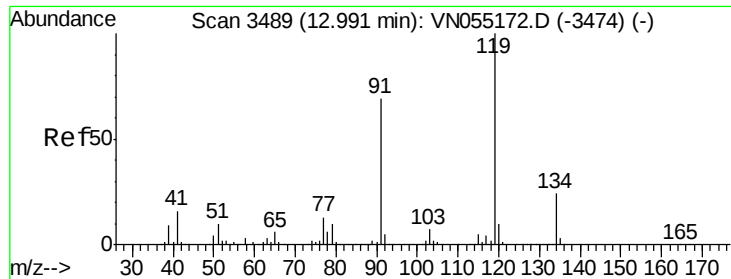
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 48.833 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.8  | 16.5  | 49.5  |





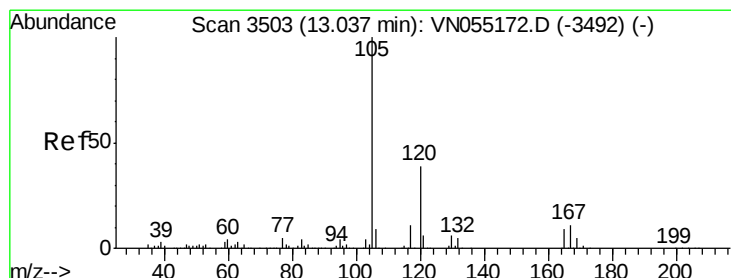
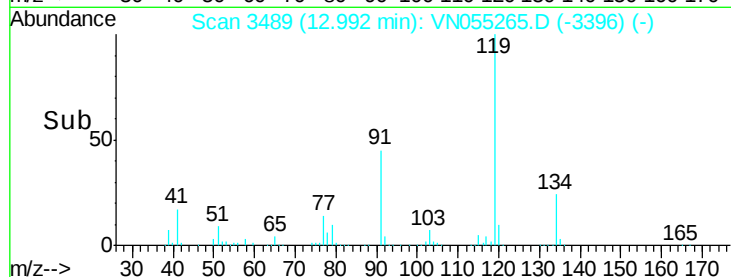
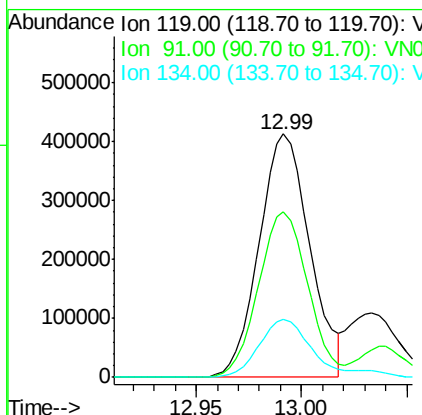
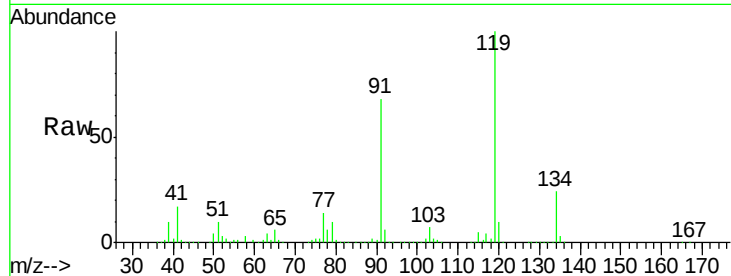
#83  
tert-Butylbenzene  
Concen: 53.809 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 66.4  | 33.8  | 101.3 |
| 134     | 24.1  | 13.2  | 39.5  |

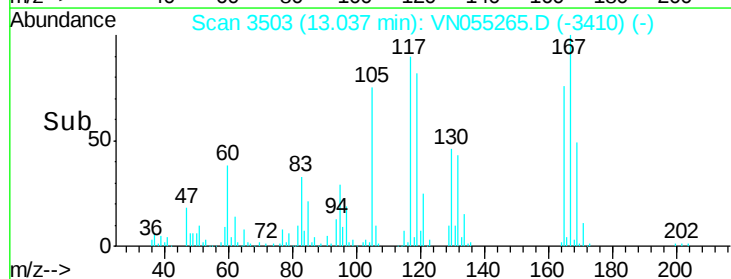
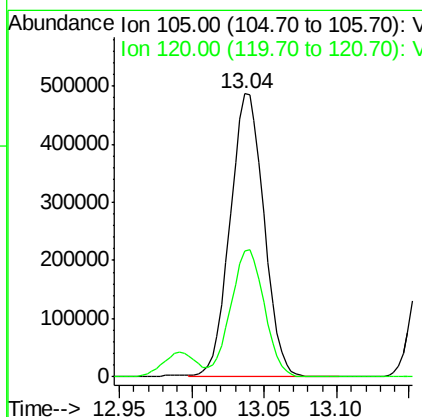
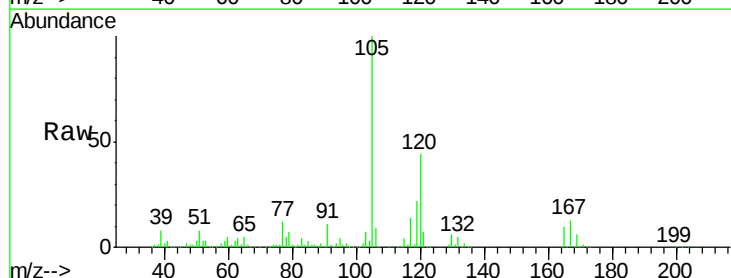
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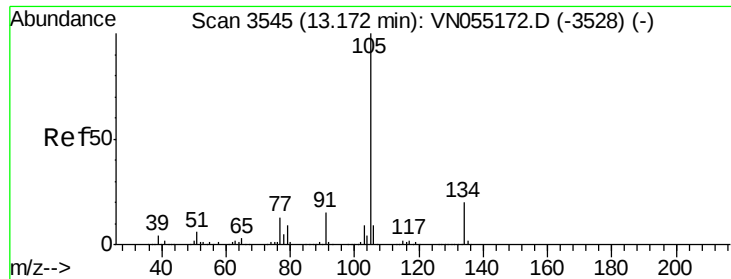
MMDadoda  
4/29/2019 10:56:52 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 48.712 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.6  | 22.7  | 68.1  |





#85

sec-Butylbenzene

Concen: 45.922 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 890922

Ion Ratio Lower Upper

105 100

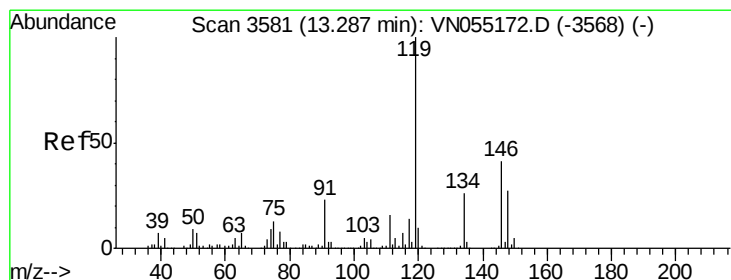
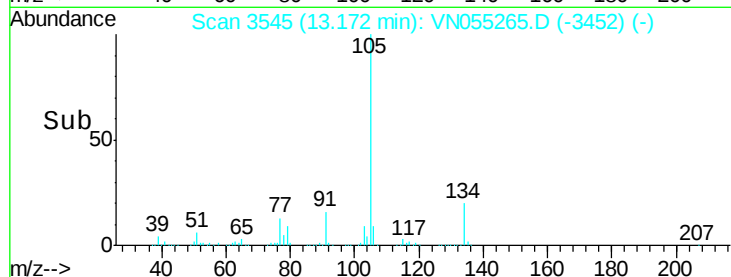
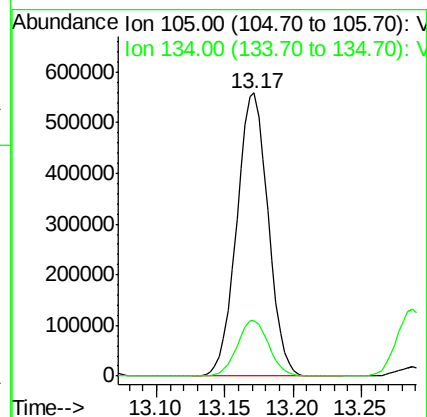
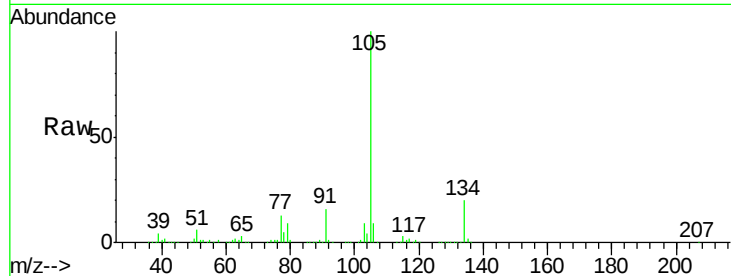
134 19.8 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.557 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

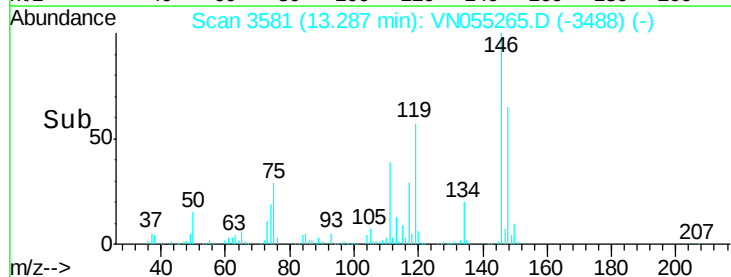
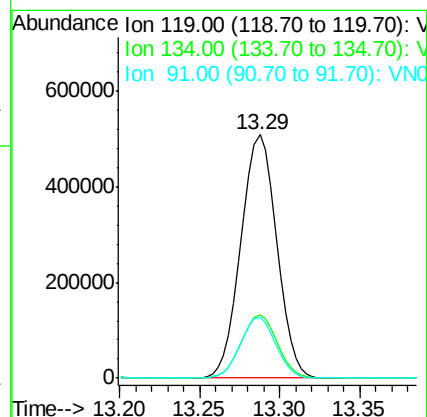
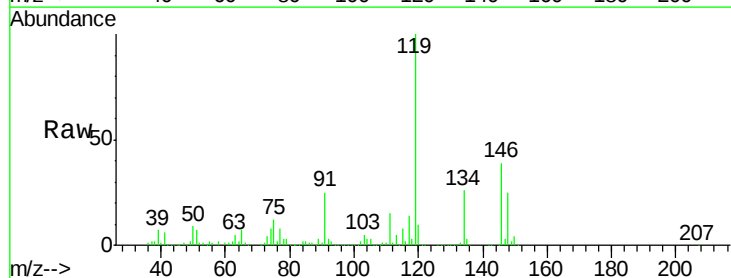
Tgt Ion:119 Resp: 776114

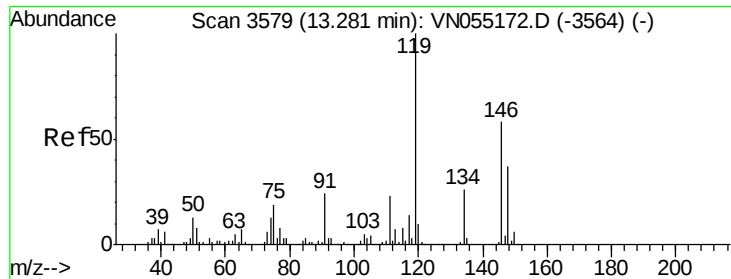
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 24.4 11.8 35.3





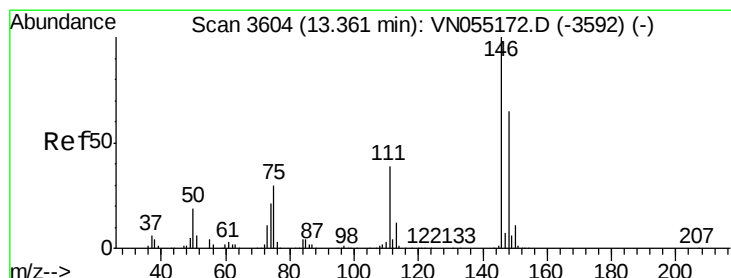
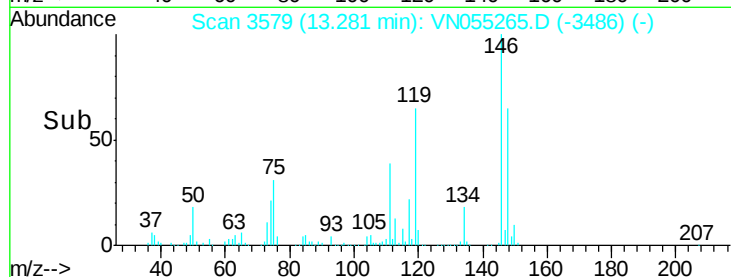
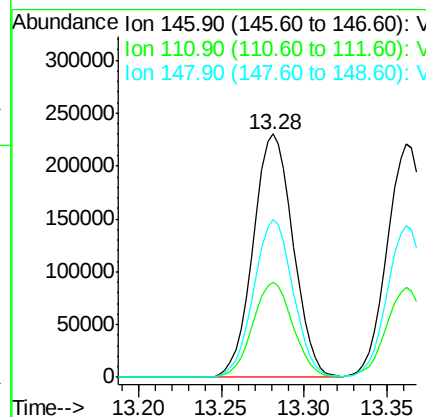
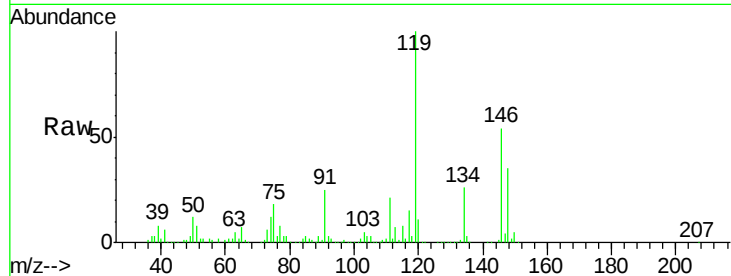
#87  
 1,3-Dichlorobenzene  
 Concen: 49.626 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 19.7  | 59.1  |
| 148     | 64.1  | 32.0  | 96.0  |

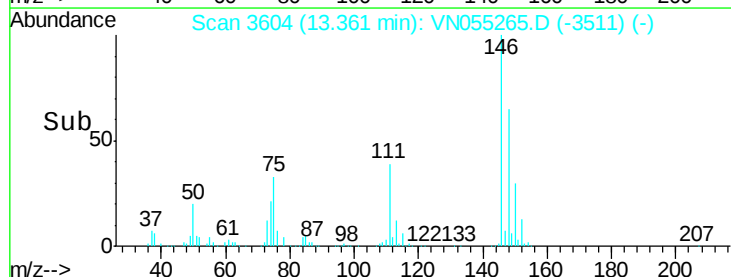
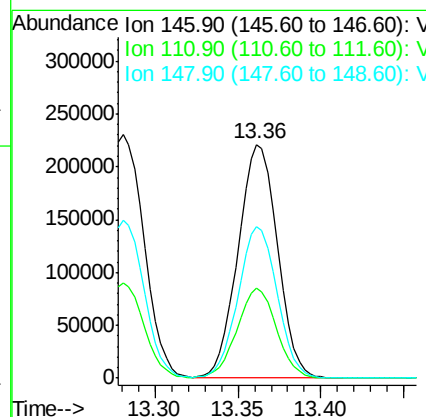
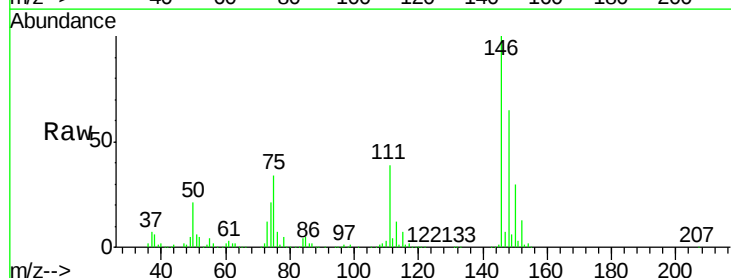
Manual Integrations  
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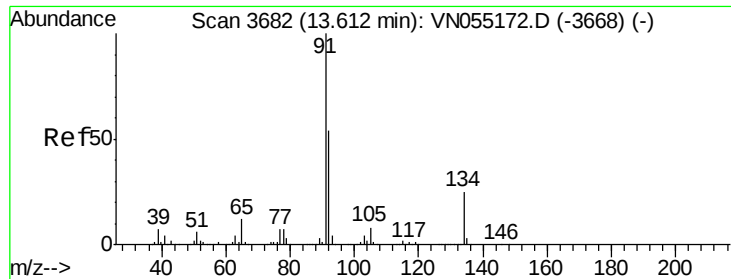
MMDadoda  
 4/29/2019 10:56:52 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 48.331 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 19.4  | 58.2  |
| 148     | 64.3  | 32.9  | 98.6  |





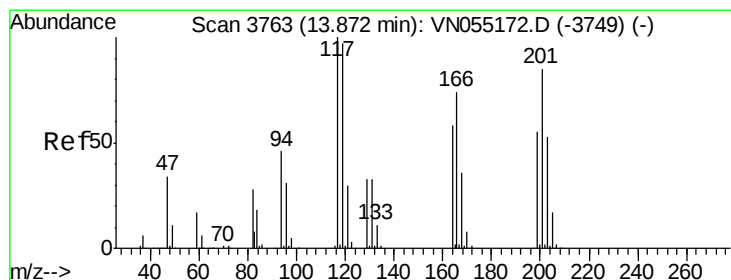
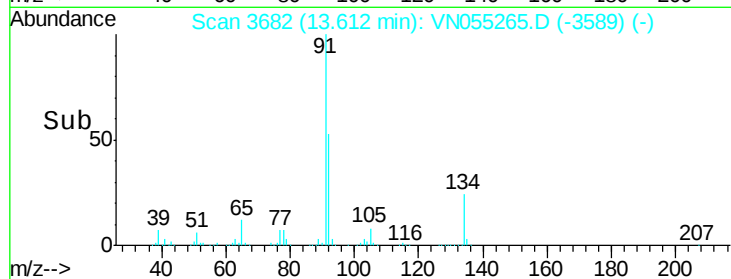
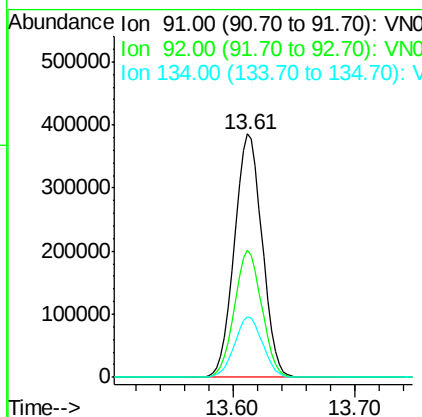
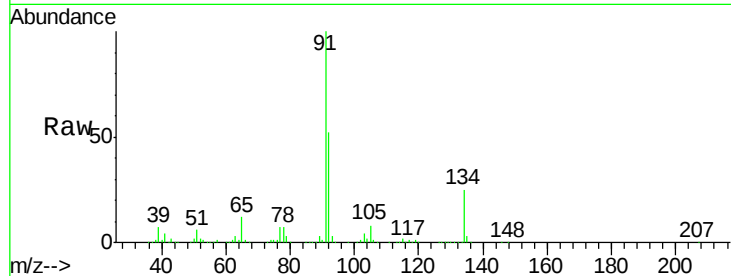
#89  
n-Butylbenzene  
Concen: 51.186 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.6  | 26.4  | 79.2  |
| 134     | 25.1  | 12.8  | 38.4  |

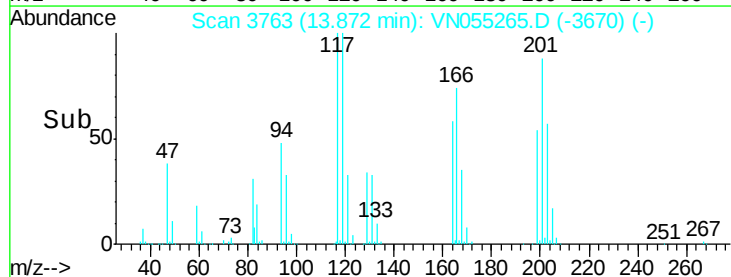
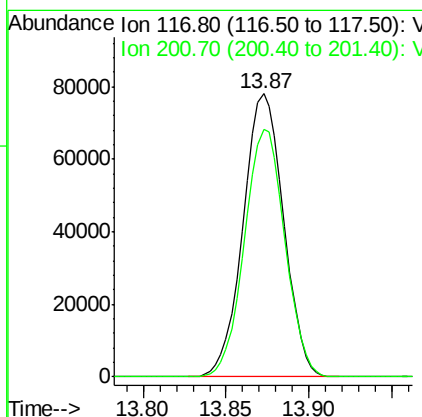
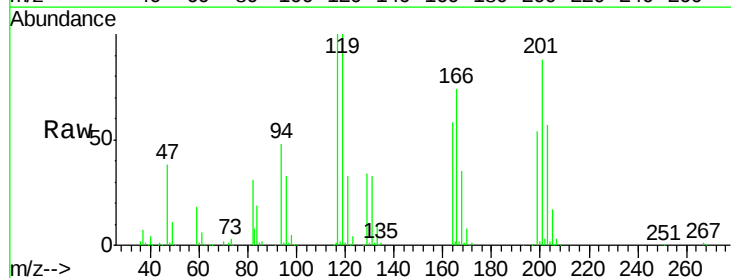
Manual Integrations  
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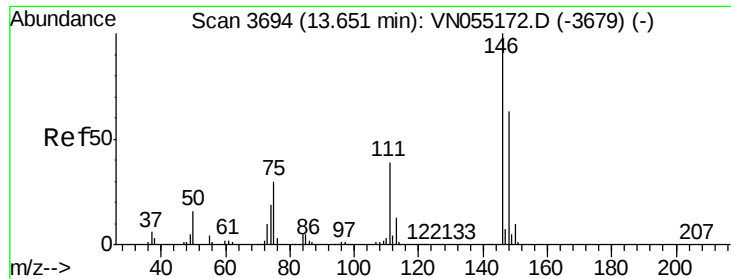
MMDadoda  
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#90  
Hexachloroethane  
Concen: 46.741 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055265.D  
Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 87.4  | 43.1  | 129.4 |





#91

1,2-Dichlorobenzene

Concen: 46.627 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

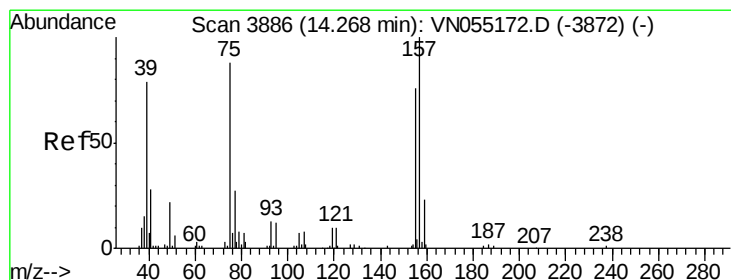
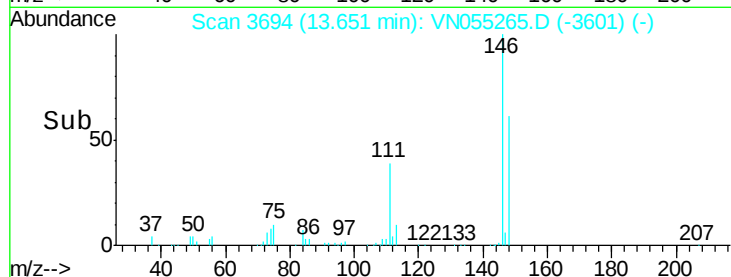
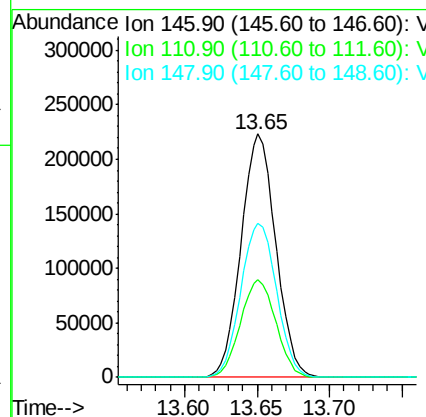
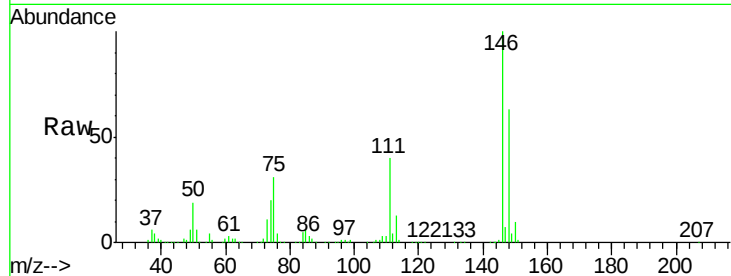
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 371802 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.8  | 19.8  | 59.3   |
| 148       | 65.3  | 31.7  | 95.1   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.910 ug/l

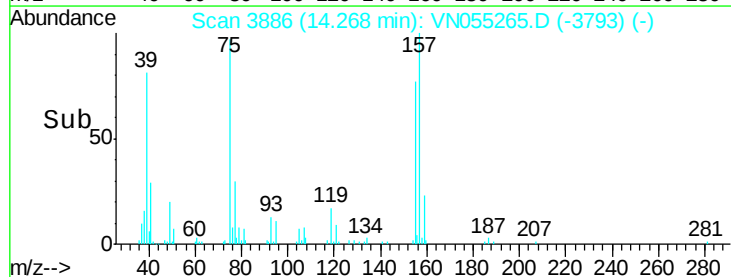
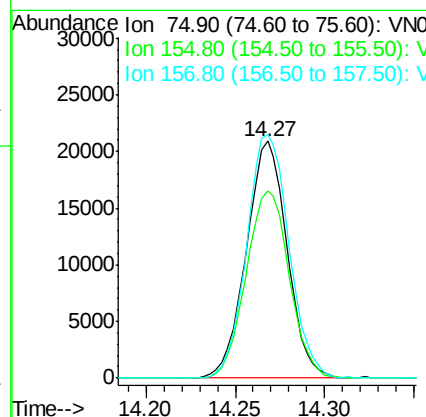
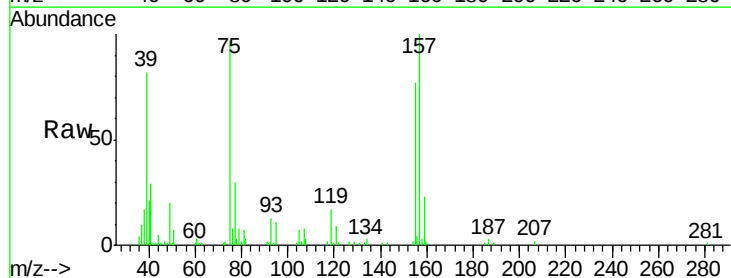
RT: 14.27 min Scan# 3886

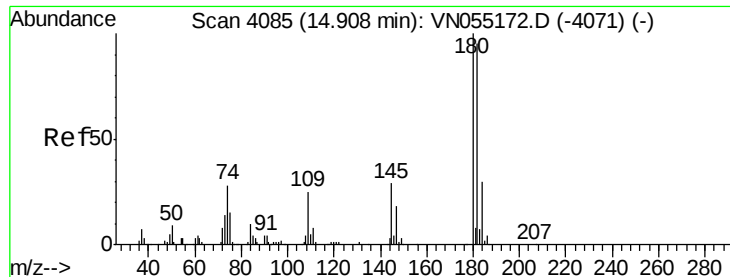
Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 33327 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 83.7  | 43.0  | 129.0 |
| 157       | 106.6 | 55.7  | 167.1 |





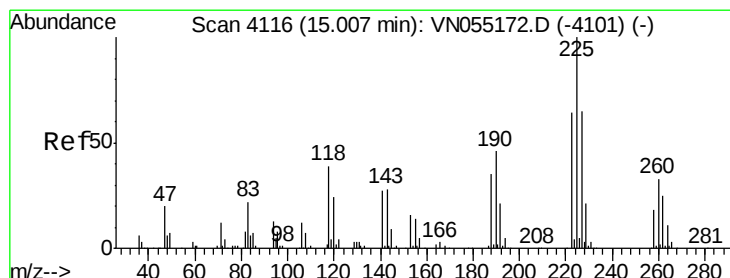
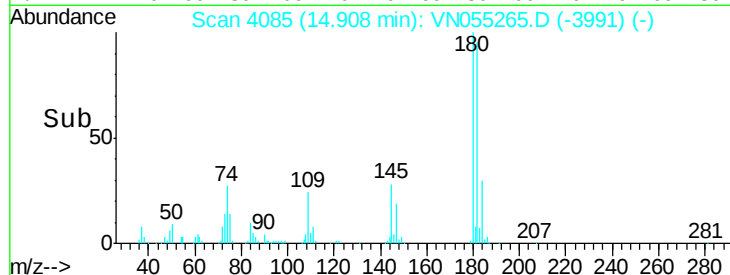
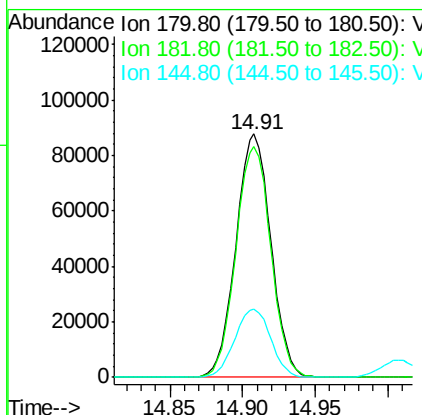
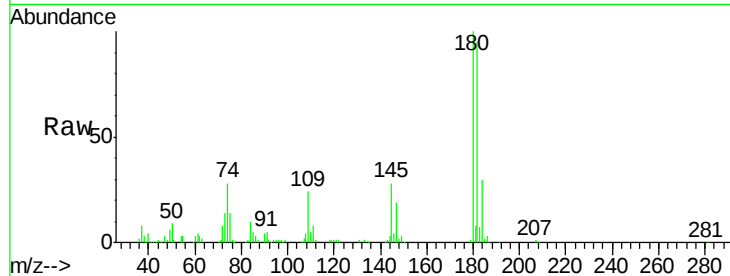
#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.035 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 147178 |       |       |
| 182     | 94.8  | 47.8   | 143.4 |       |
| 145     | 28.8  | 14.5   | 43.5  |       |

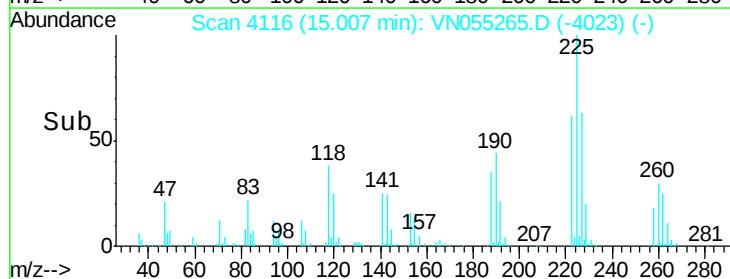
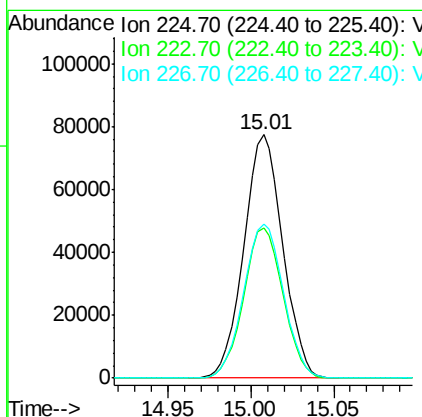
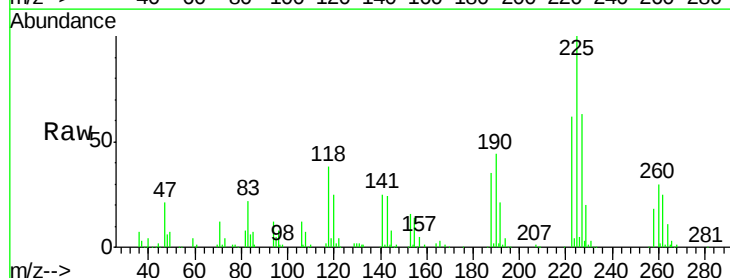
Manual Integrations  
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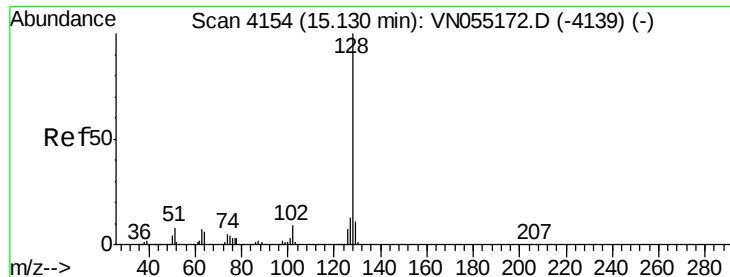
MMDadoda  
 4/29/2019 10:56:52 AM



#94  
 Hexachlorobutadiene  
 Concen: 54.548 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055265.D  
 Acq: 26 Apr 2019 10:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 126126 |       |       |
| 223     | 62.5  | 32.2   | 96.6  |       |
| 227     | 65.0  | 32.6   | 98.0  |       |





#95

Naphthalene

Concen: 41.496 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

Instrument :

MSVOA\_N

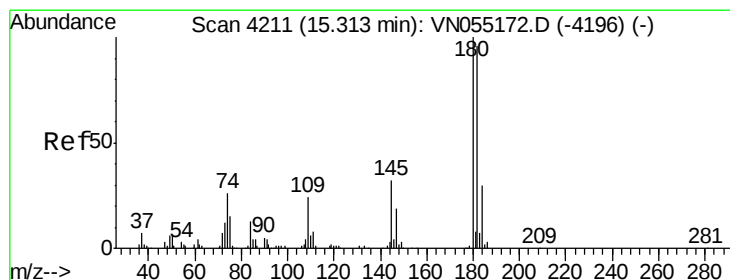
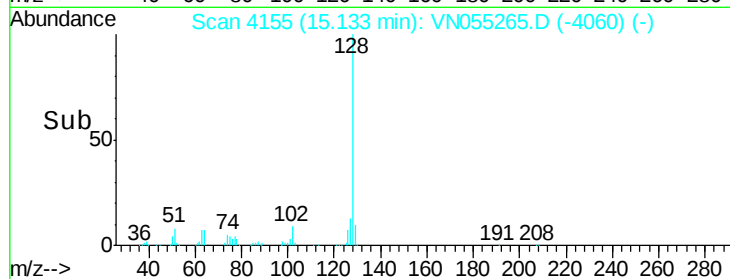
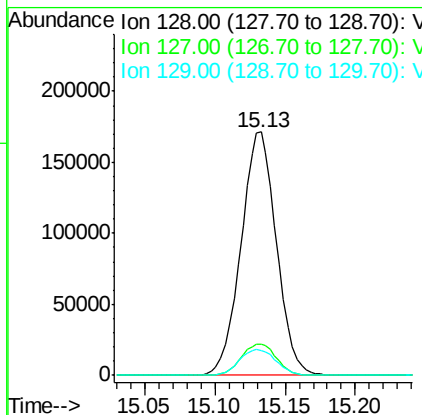
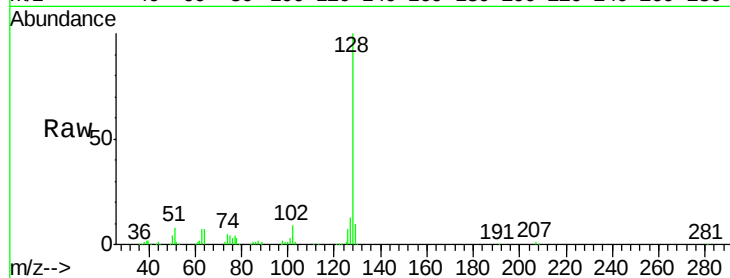
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 301027 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.3  | 15.5   |
| 129       | 11.0  | 8.8   | 13.2   |

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#96

1,2,3-Trichlorobenzene

Concen: 45.092 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055265.D

Acq: 26 Apr 2019 10:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 150135 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.6  | 47.2  | 141.6  |
| 145       | 31.4  | 15.4  | 46.1   |

