

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN122218\  
 Data File : VN053146.D  
 Acq On : 22 Dec 2018 21:12  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 12/24/2018 9:11:14 AM

Quant Time: Dec 24 01:15:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1008110  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1560295  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1413552  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 641651   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 542314   | 53.01 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.02% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 437299   | 61.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 122.70% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1956374  | 51.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.26% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 698839   | 52.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.06% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 491350  | 48.158  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 615578  | 49.789  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 623844  | 49.822  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94  | 408171  | 47.050  | ug/l   | 100    |
| 6) Chloroethane               | 2.71 | 64  | 379840  | 51.220  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 786998  | 50.453  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 321237  | 54.589  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 502939  | 50.569  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.96 | 142 | 704707  | 50.456  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.78 | 59  | 177252  | 283.958 | ug/l # | 86     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 487472  | 50.733  | ug/l   | 99     |
| 13) Acrolein                  | 3.61 | 56  | 238109  | 420.684 | ug/l   | 100    |
| 14) Allyl chloride            | 4.33 | 41  | 824841  | 55.420  | ug/l   | 94     |
| 15) Acrylonitrile             | 4.99 | 53  | 977590  | 281.901 | ug/l   | 100    |
| 16) Acetone                   | 3.82 | 43  | 617946  | 308.070 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.06 | 76  | 1320641 | 42.145  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.32 | 43  | 533129  | 58.390  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 1425176 | 55.425  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 572864  | 52.356  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 521215  | 50.488  | ug/l   | 99     |
| 22) Diisopropyl ether         | 5.95 | 45  | 1784807 | 56.181  | ug/l   | 96     |
| 23) Vinyl Acetate             | 5.90 | 43  | 5080437 | 278.105 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 1010126 | 53.508  | ug/l   | 99     |
| 25) 2-Butanone                | 6.83 | 43  | 1027860 | 305.336 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 640657  | 44.457  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 621483  | 53.175  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.19 | 49  | 448634  | 54.844  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 718848  | 285.915 | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83  | 979101  | 52.797  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 910634  | 51.464  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 814064  | 51.530  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 755632  | 50.456  | ug/l   | 100    |
| 37) Ethyl Acetate             | 6.93 | 43  | 474010  | 56.697  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 686541  | 50.014  | ug/l   | 99     |

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 Acq On : 22 Dec 2018 21:12  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 12/24/2018 9:11:14 AM

Quant Time: Dec 24 01:15:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 859351   | 47.235   | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 2326022  | 52.216   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 286394   | 59.288   | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 687361   | 52.232   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 880518   | 54.518   | ug/l   | 98       |
| 44) Trichloroethene            | 8.84  | 130  | 629086   | 48.825   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 621466   | 53.561   | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 352137   | 52.097   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 740066   | 51.508   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 447856   | 55.204   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 111419   | 1085.722 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2371649  | 292.926  | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 1455244  | 52.705   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 750944   | 49.703   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 882582   | 50.893   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 517435   | 53.717   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 710266   | 55.709   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 891195   | 53.952   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 1918893  | 274.146  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1597440  | 291.616  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 564349   | 51.183   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 518421   | 52.992   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 711622   | 46.475   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 1617307  | 51.614   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 559172   | 51.317   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 2796976  | 51.904   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 2103861  | 102.700  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 1037598  | 52.784   | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 1702861  | 53.125   | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 386714   | 49.127   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 2722574  | 54.231   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 806617   | 57.870   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 596572   | 60.571   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 525766m  | 48.675   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 708685   | 54.305   | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 3032816  | 53.042   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1813032  | 51.156   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 2117423  | 51.745   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 166217   | 49.598   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1836994  | 52.949   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1869586  | 51.660   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2159891  | 52.506   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 2439250  | 49.831   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 2092213  | 49.464   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1167808  | 50.561   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1146281  | 49.007   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1687281  | 46.368   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 320705   | 49.408   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1087258  | 50.017   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 80546    | 47.297   | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN122218\  
Data File : VN053146.D  
Acq On : 22 Dec 2018 21:12  
Operator : MD\SY  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 24 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

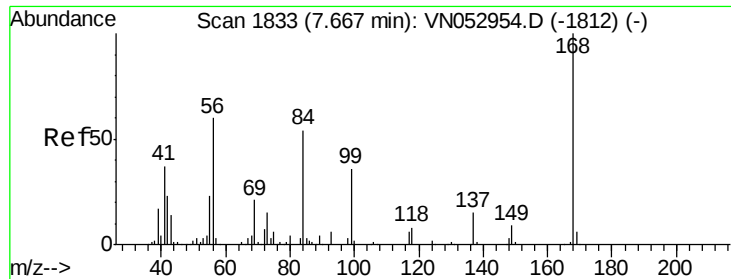
MMDadoda  
12/24/2018 9:11:14 AM

Quant Time: Dec 24 01:15:23 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 508021   | 44.182 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 299031   | 50.156 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 1160701  | 46.100 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 462939   | 44.693 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 1008110

Ion Ratio Lower Upper

168 100

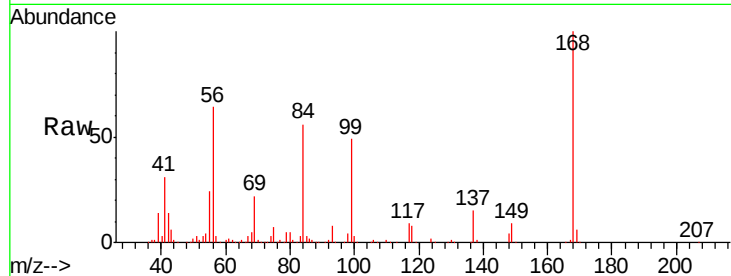
99 48.9 40.2 60.2

Manual Integrations

APPROVED

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12/24/2018 9:11:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

500000

400000

300000

200000

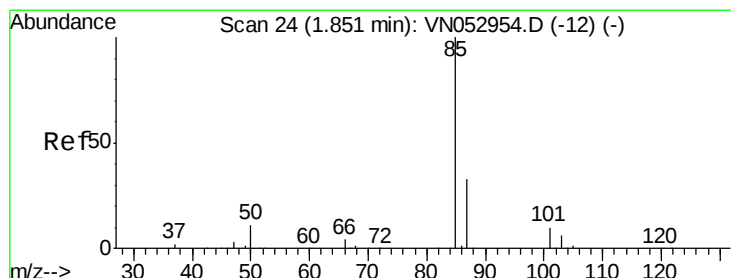
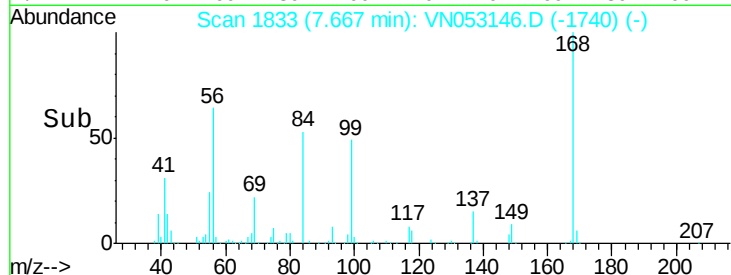
100000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.158 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053146.D

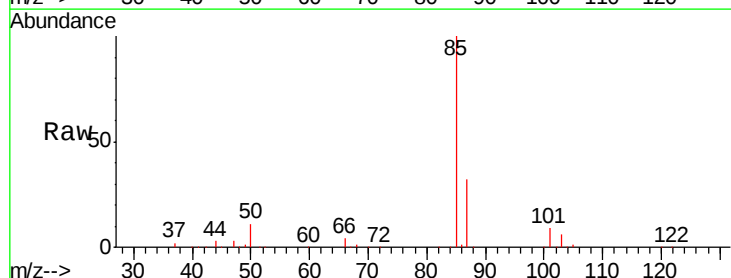
Acq: 22 Dec 2018 21:12

Tgt Ion: 85 Resp: 491350

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

400000

300000

200000

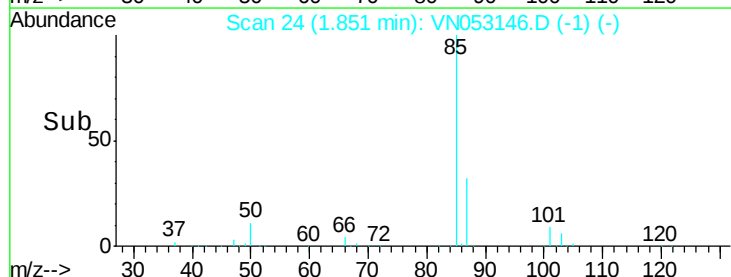
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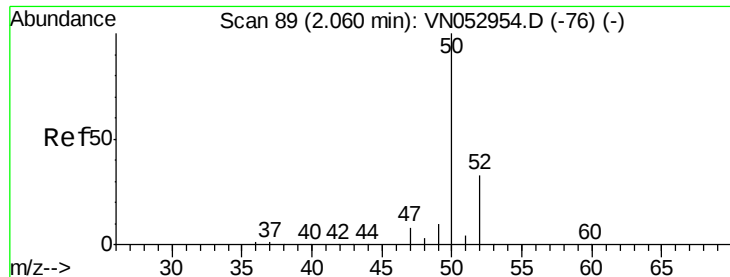
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1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 49.789 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 615578

Ion Ratio Lower Upper

50 100

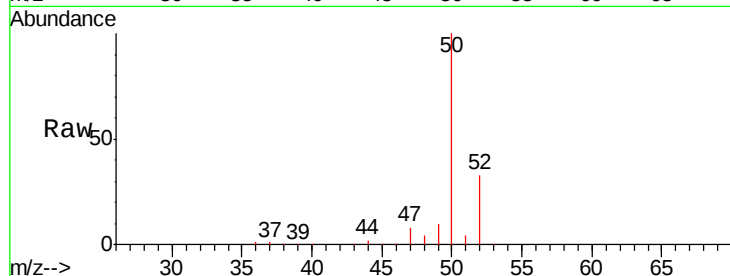
52 32.9 26.2 39.4

Manual Integrations

APPROVED

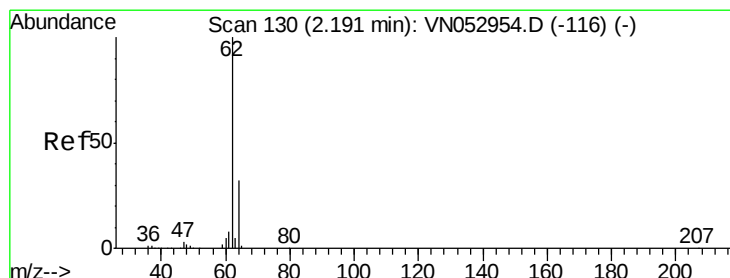
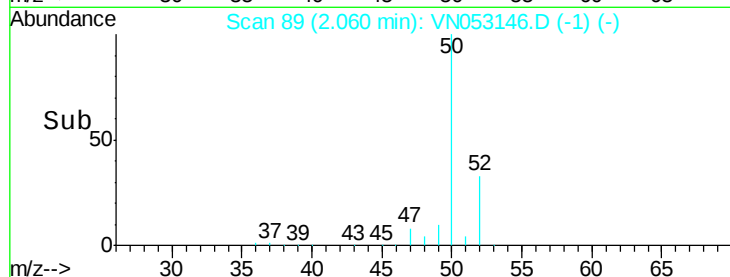
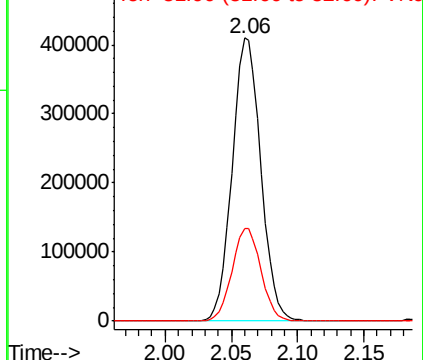
MMDadoda

12/24/2018 9:11:14 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 49.822 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053146.D

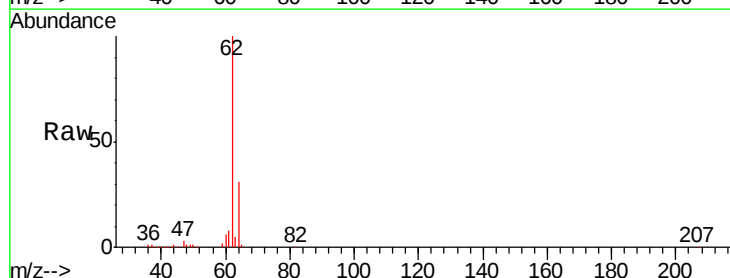
Acq: 22 Dec 2018 21:12

Tgt Ion: 62 Resp: 623844

Ion Ratio Lower Upper

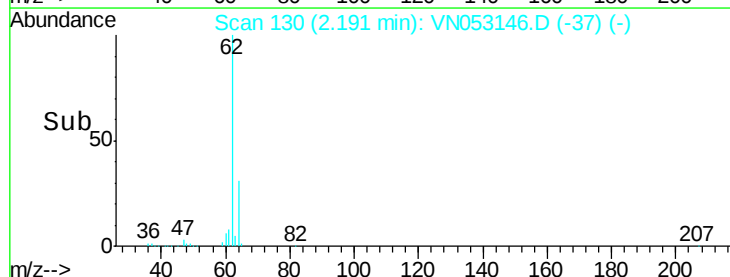
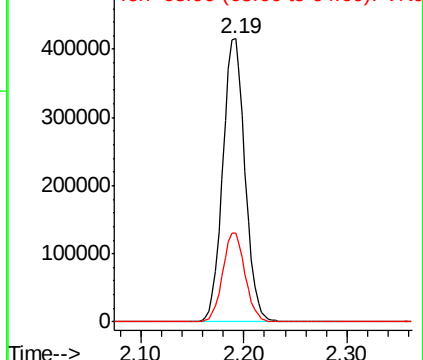
62 100

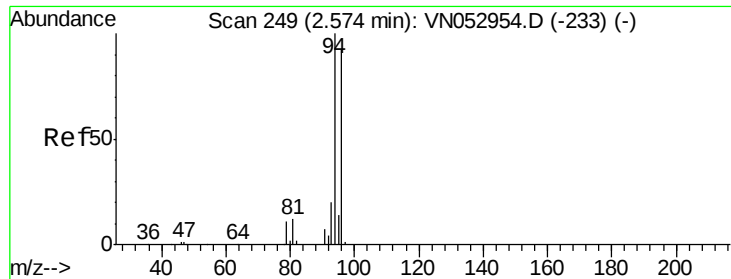
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.050 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 408171

Ion Ratio Lower Upper

94 100

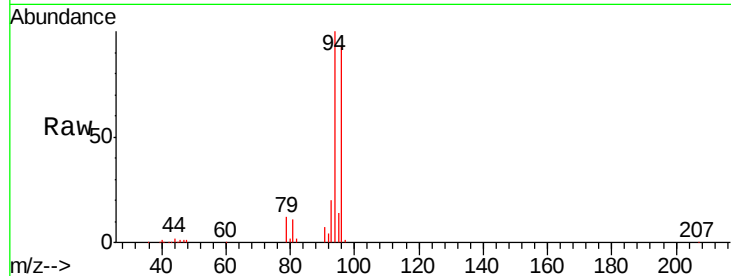
96 93.4 75.0 112.4

Manual Integrations

APPROVED

MMDadoda

12/24/2018 9:11:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

200000

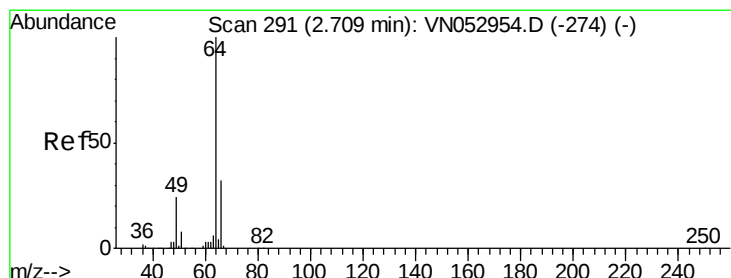
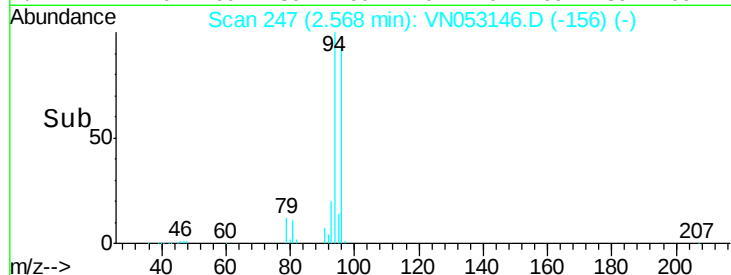
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100000

50000

0

Time-->



#6

Chloroethane

Concen: 51.220 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053146.D

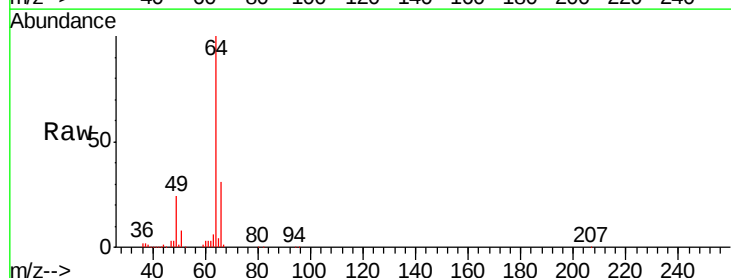
Acq: 22 Dec 2018 21:12

Tgt Ion: 64 Resp: 379840

Ion Ratio Lower Upper

64 100

66 31.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

200000

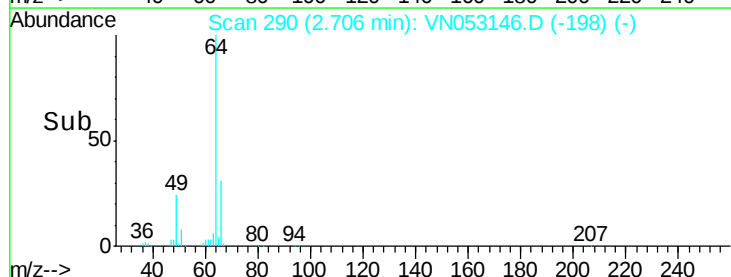
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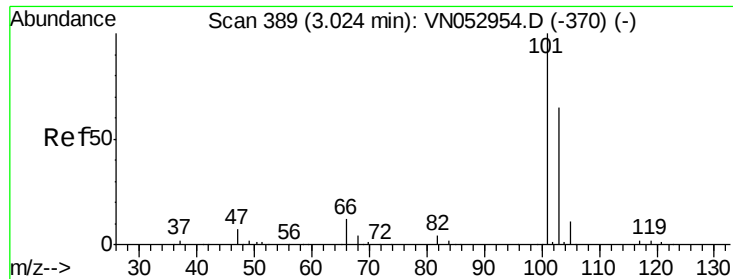
100000

50000

0

Time-->





#7

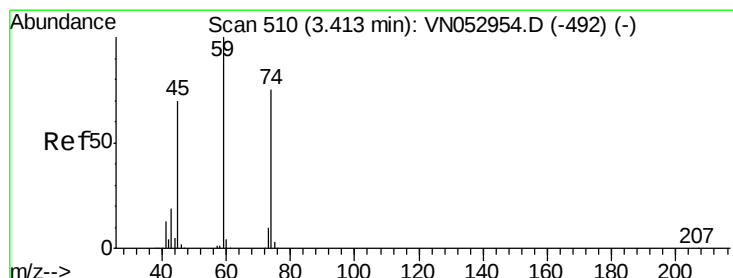
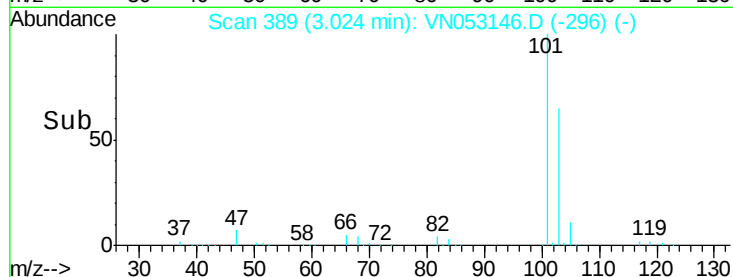
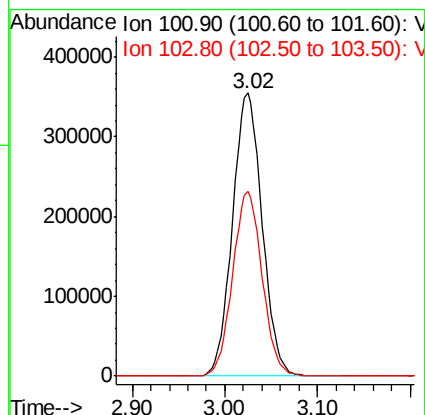
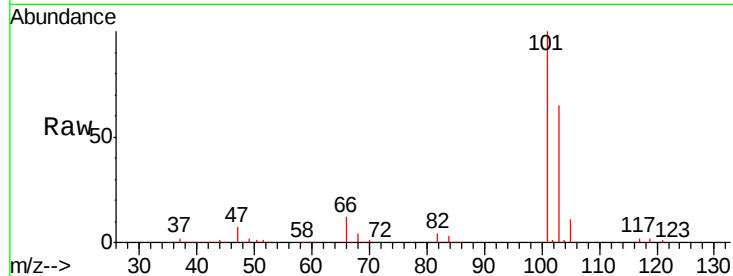
Trichlorofluoromethane  
Concen: 50.453 ug/l  
RT: 3.02 min Scan# 389  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 101 Resp: 786998  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.8 77.6

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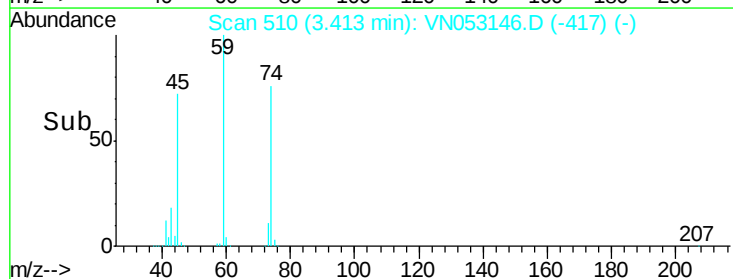
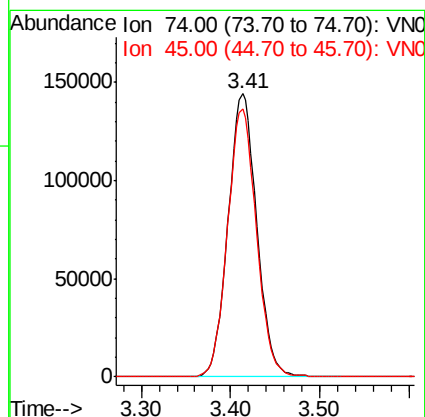
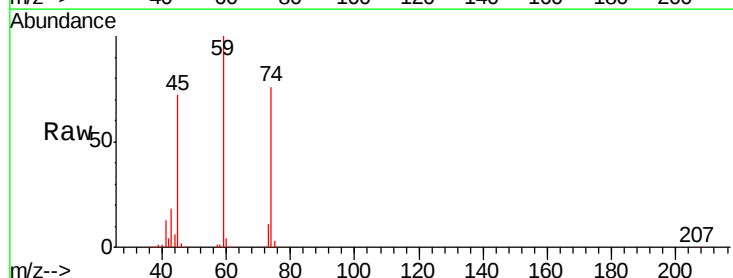
MMDadoda  
12/24/2018 9:11:14 AM

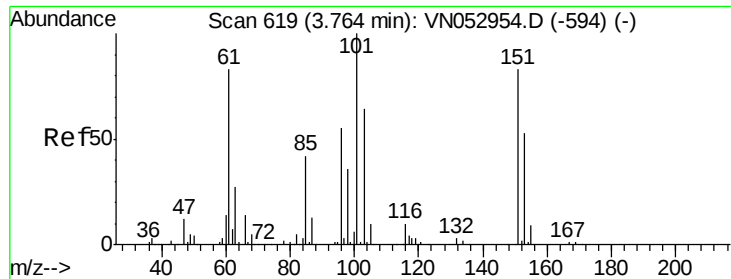


#8

Diethyl Ether  
Concen: 54.589 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Tgt Ion: 74 Resp: 321237  
Ion Ratio Lower Upper  
74 100  
45 95.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.569 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

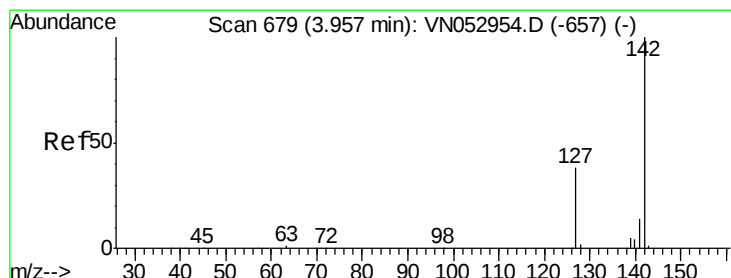
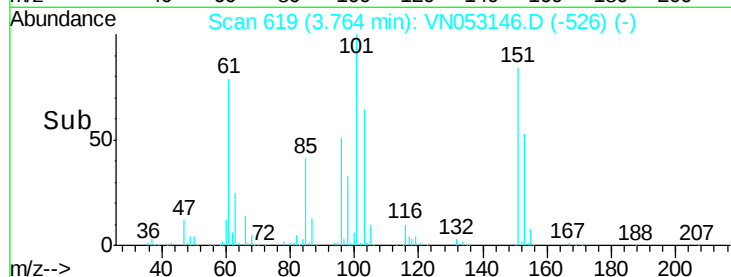
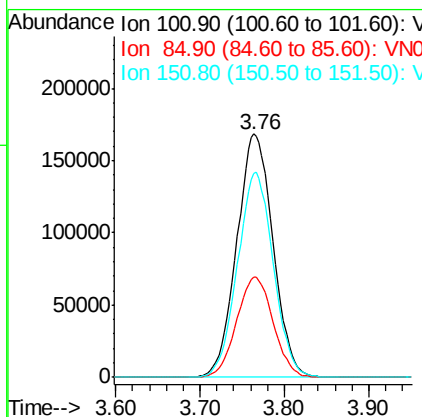
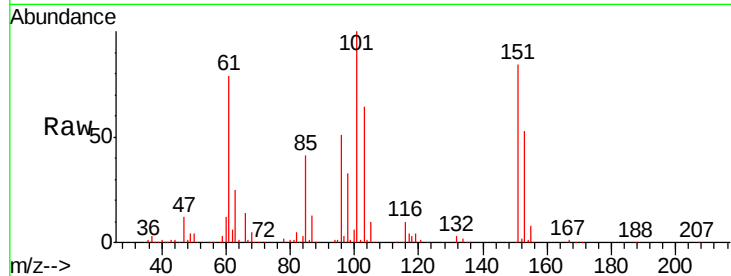
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 502939 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.6  | 33.6  | 50.4   |
| 151       | 83.5  | 65.5  | 98.3   |

Manual Integrations  
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MMDadoda  
12/24/2018 9:11:14 AM



#10

Methyl Iodide

Concen: 50.456 ug/l

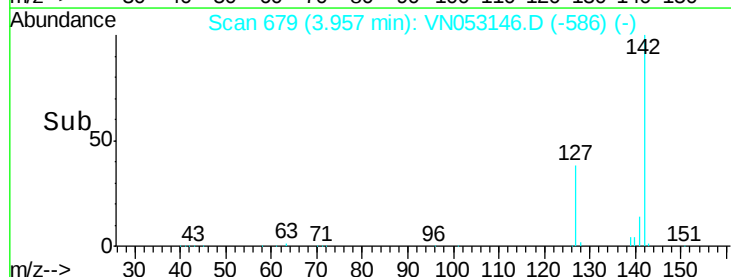
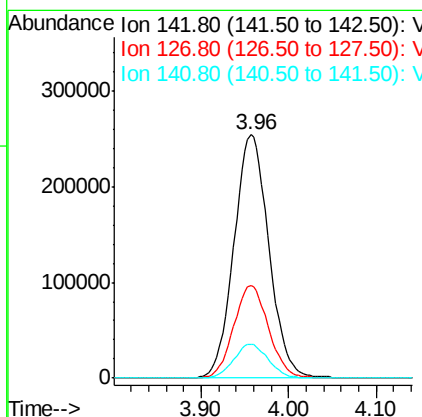
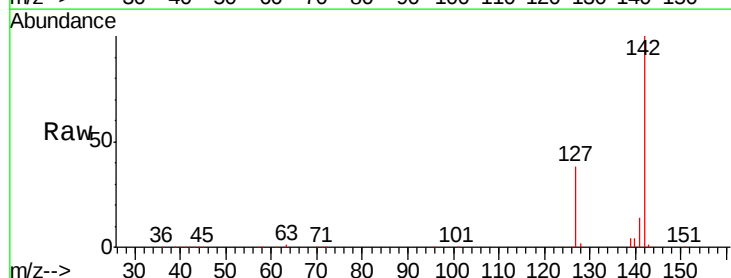
RT: 3.96 min Scan# 679

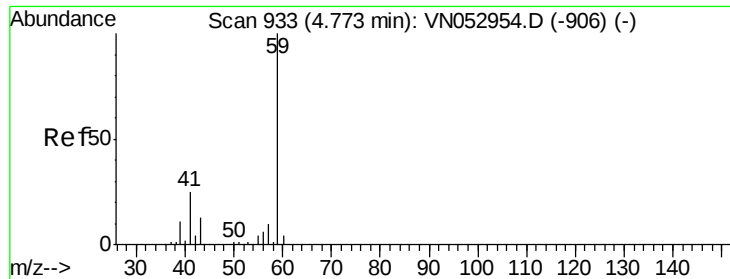
Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 704707 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.2  | 31.0  | 46.6   |
| 141       | 13.9  | 11.2  | 16.8   |





#11

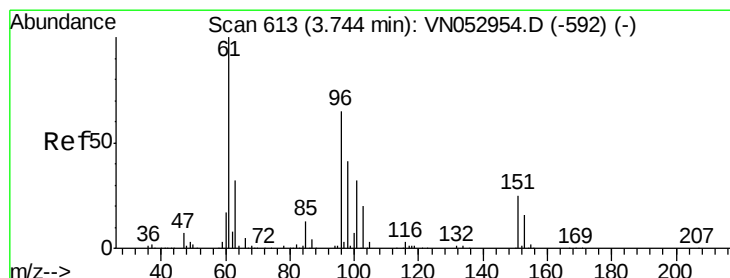
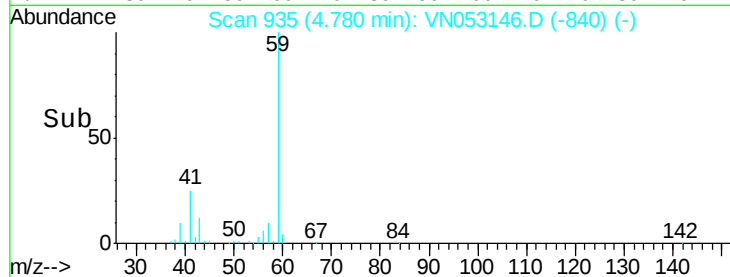
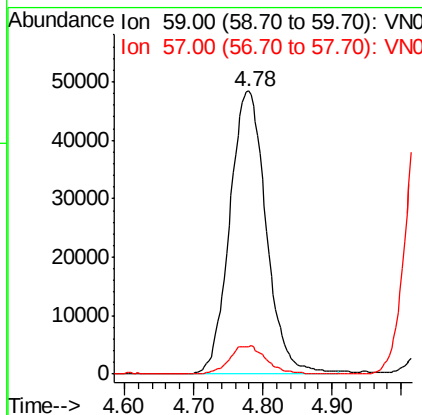
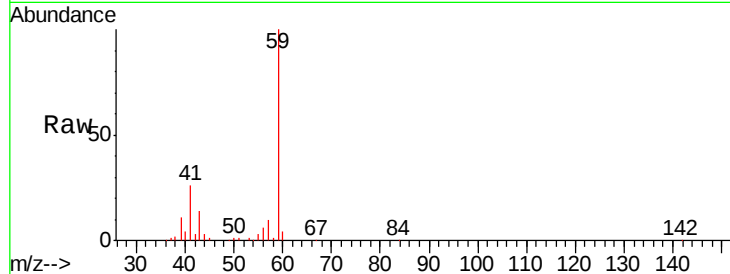
Tert butyl alcohol  
Concen: 283.958 ug/l  
RT: 4.78 min Scan# 935  
Delta R.T. 0.01 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 59 Resp: 177252  
Ion Ratio Lower Upper  
59 100  
57 4.5 7.7 11.5#

Manual Integrations  
APPROVED

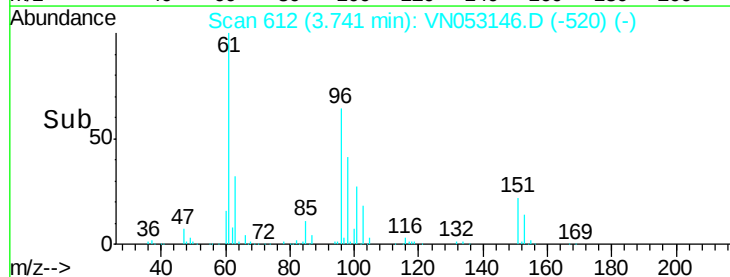
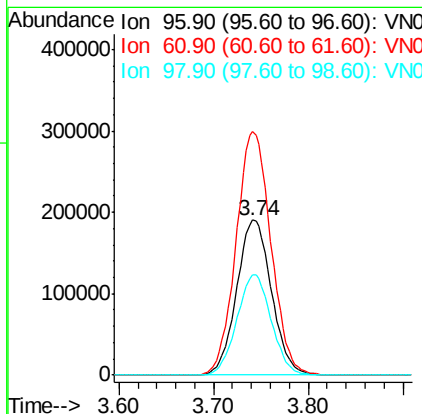
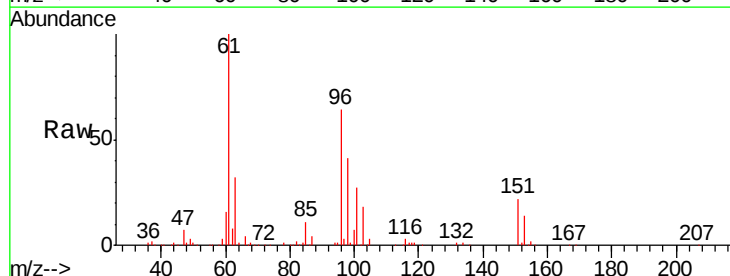
MMDadoda  
12/24/2018 9:11:14 AM

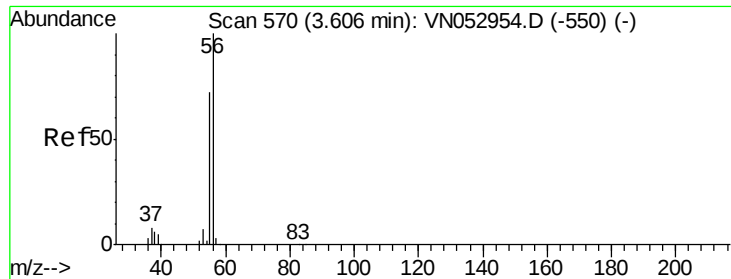


#12

1,1-Dichloroethene  
Concen: 50.733 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. -0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Tgt Ion: 96 Resp: 487472  
Ion Ratio Lower Upper  
96 100  
61 157.3 125.6 188.4  
98 64.9 50.6 75.8





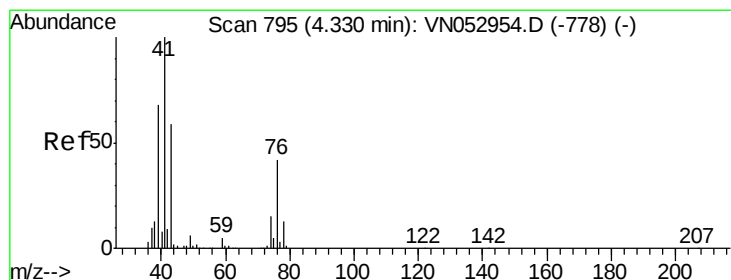
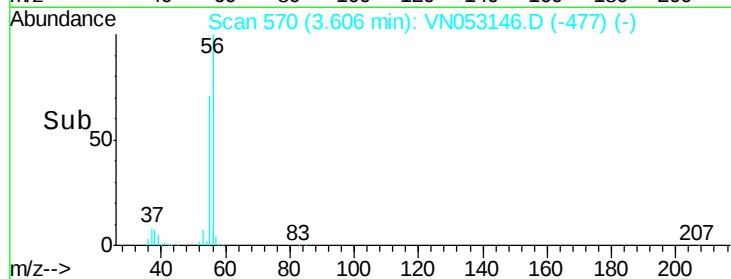
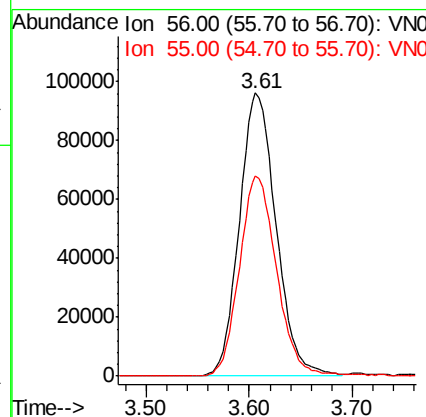
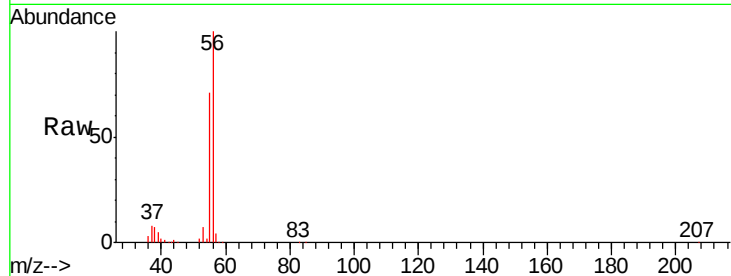
#13  
 Acrolein  
 Concen: 420.684 ug/l  
 RT: 3.61 min Scan# 570  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 71.1  | 56.6  | 85.0  |

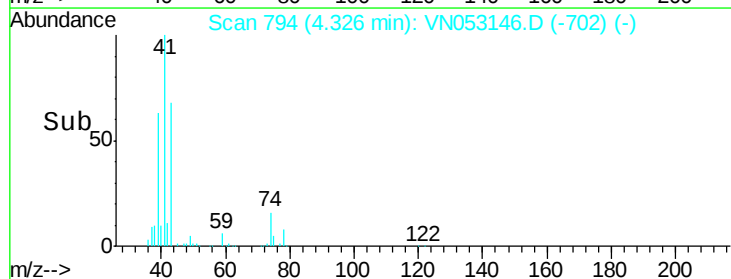
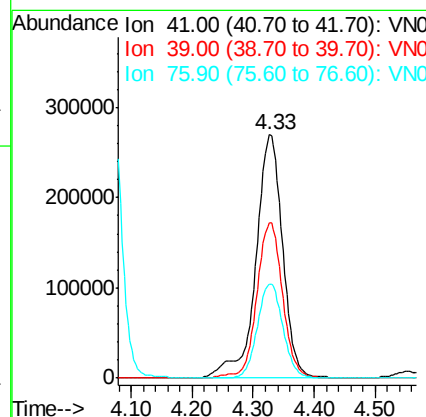
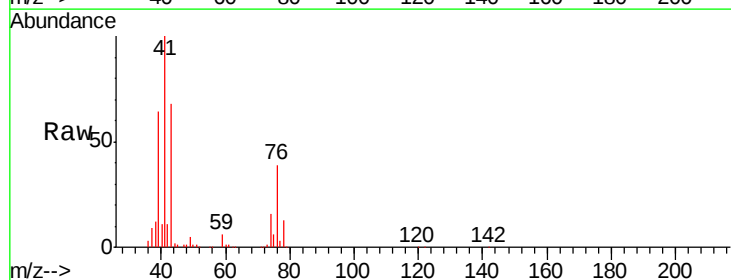
Manual Integrations  
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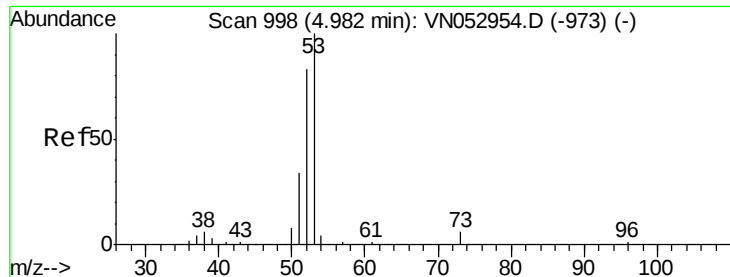
MMDadoda  
 12/24/2018 9:11:14 AM



#14  
 Allyl chloride  
 Concen: 55.420 ug/l  
 RT: 4.33 min Scan# 794  
 Delta R.T. -0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 61.4  | 54.1  | 81.1  |
| 76      | 36.2  | 30.3  | 45.5  |





#15

Acrylonitrile

Concen: 281.901 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

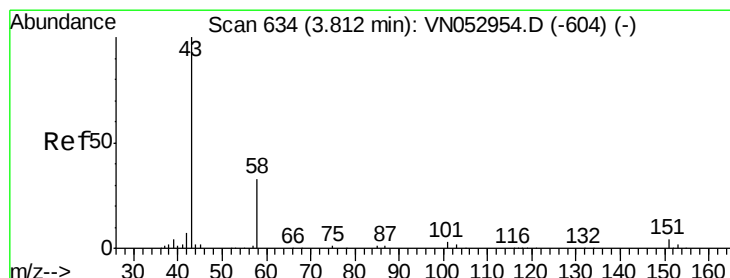
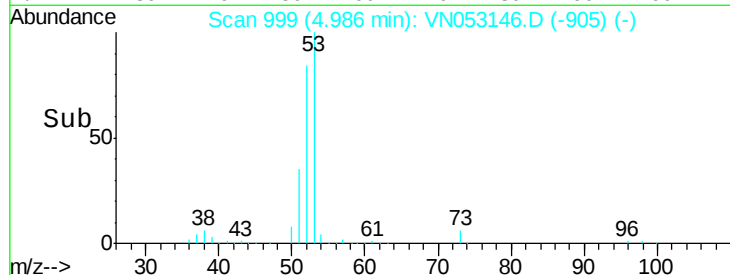
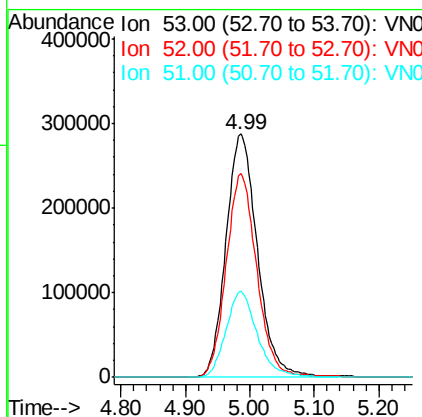
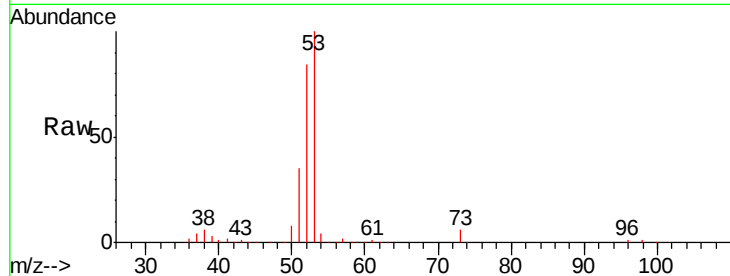
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 977590 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 81.3  | 65.1  | 97.7   |
| 51       | 35.4  | 28.1  | 42.1   |

Manual Integrations  
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MMDadoda  
12/24/2018 9:11:14 AM



#16

Acetone

Concen: 308.070 ug/l

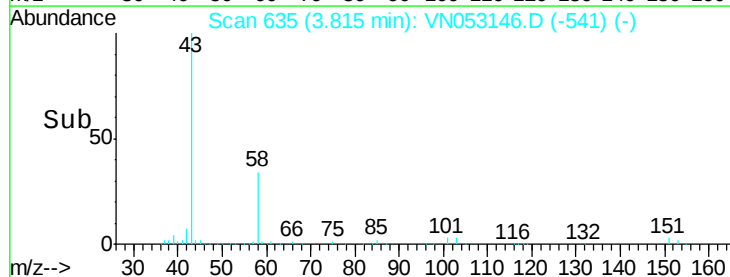
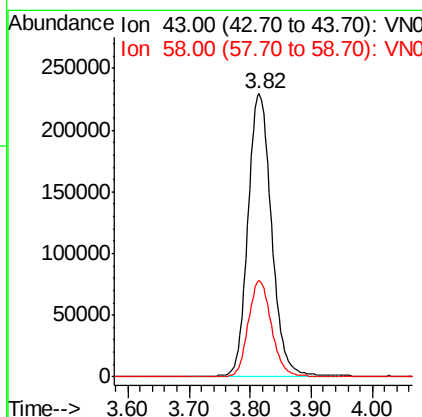
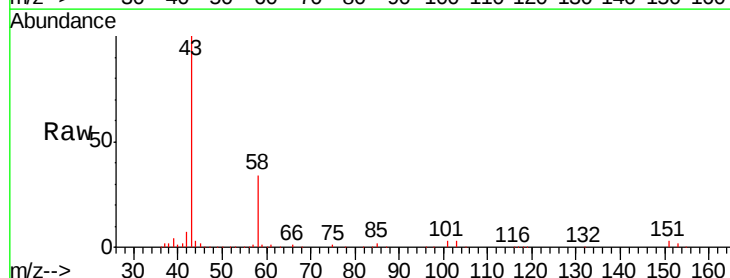
RT: 3.82 min Scan# 635

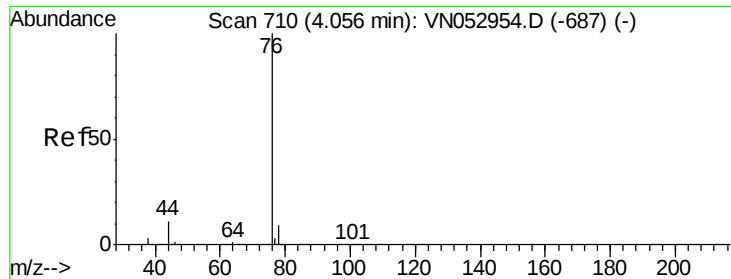
Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 617946 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.0  | 25.4  | 38.0   |





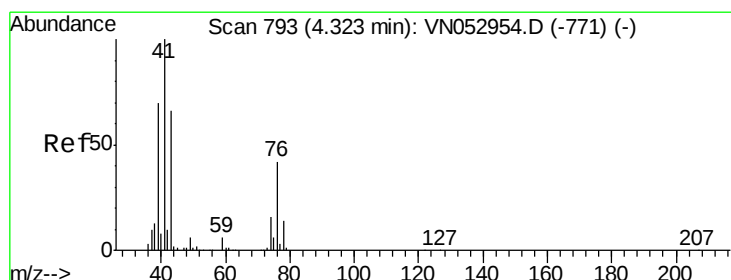
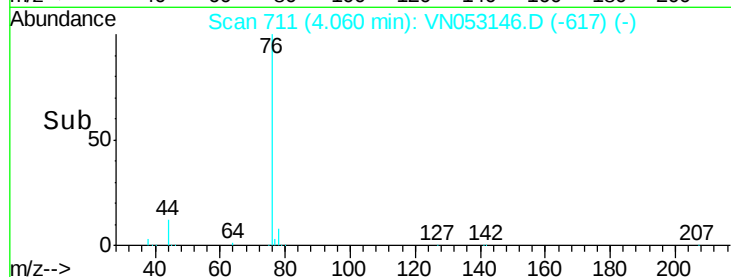
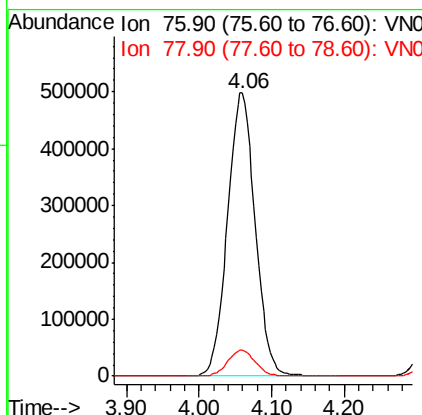
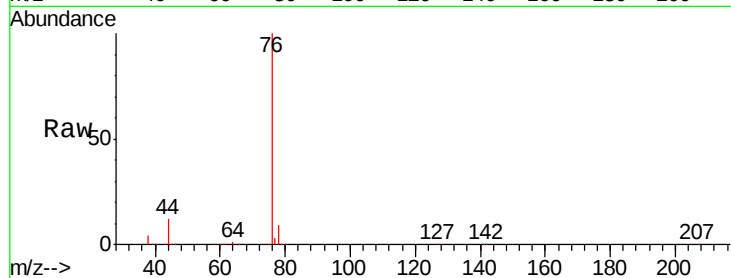
#17  
Carbon Disulfide  
Concen: 42.145 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 1320641  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.1 10.7

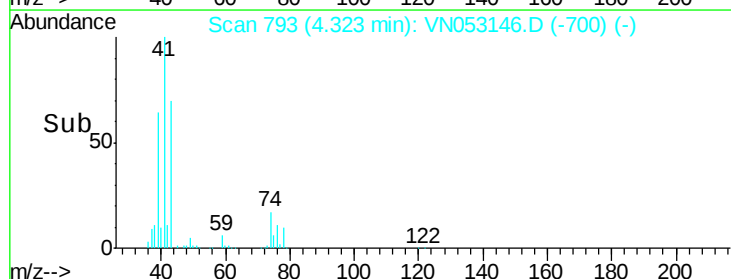
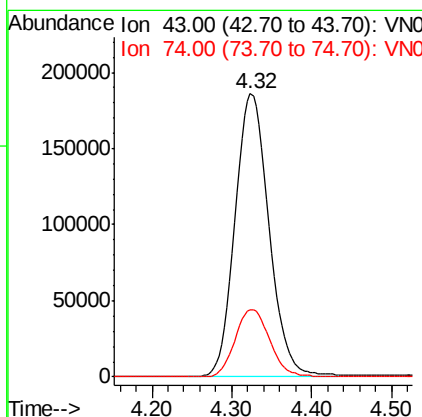
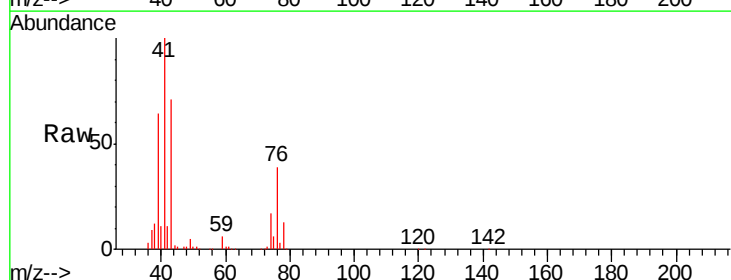
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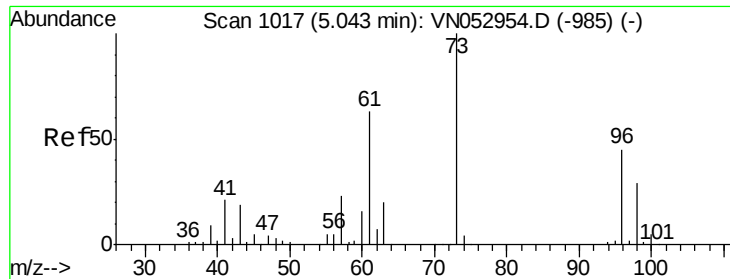
MMDadoda  
12/24/2018 9:11:14 AM



#18  
Methyl Acetate  
Concen: 58.390 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Tgt Ion: 43 Resp: 533129  
Ion Ratio Lower Upper  
43 100  
74 24.4 19.2 28.8





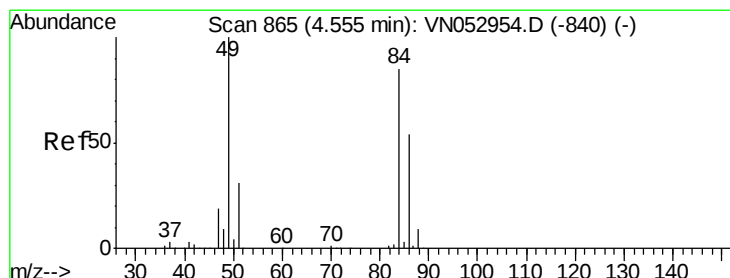
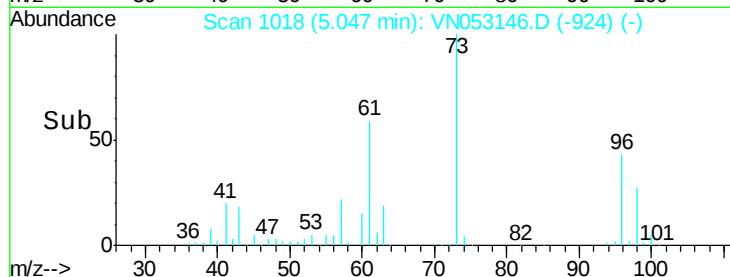
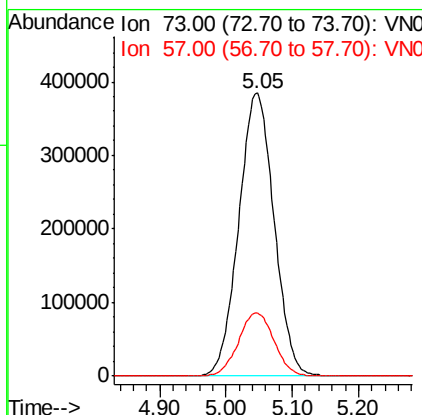
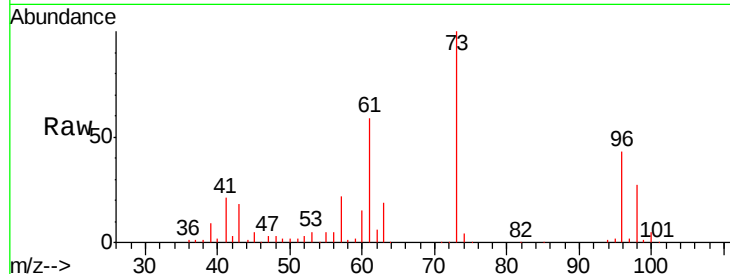
#19  
Methyl tert-butyl Ether  
Concen: 55.425 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 73 Resp: 1425176  
Ion Ratio Lower Upper  
73 100  
57 22.4 18.4 27.6

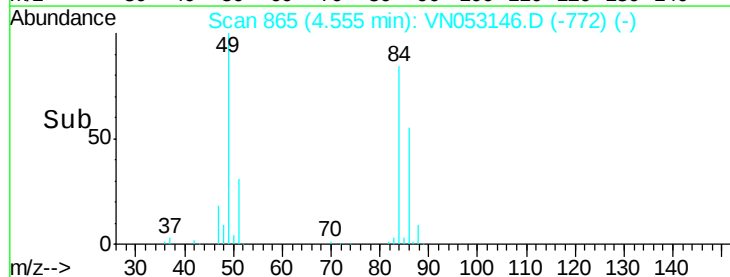
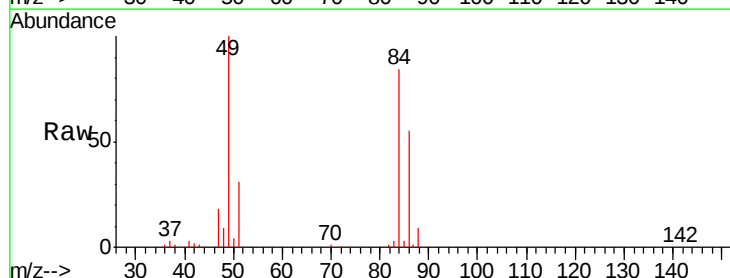
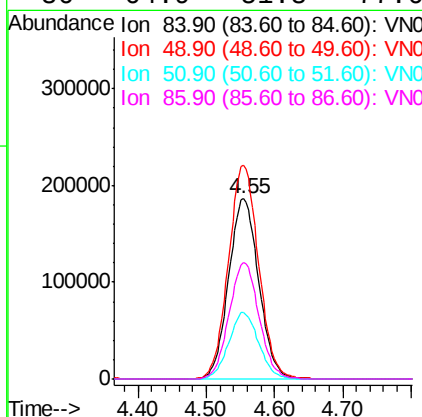
Manual Integrations  
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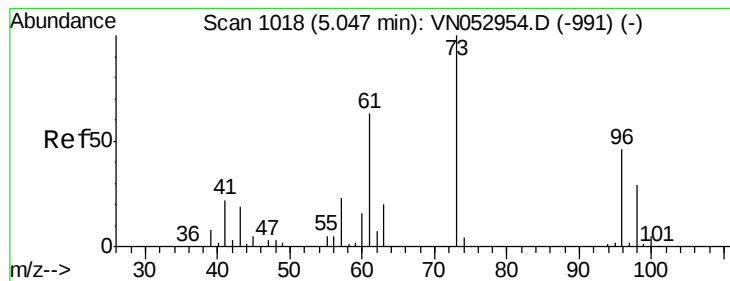
MMDadoda  
12/24/2018 9:11:14 AM



#20  
Methylene Chloride  
Concen: 52.356 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Tgt Ion: 84 Resp: 572864  
Ion Ratio Lower Upper  
84 100  
49 118.7 96.8 145.2  
51 36.7 29.9 44.9  
86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.488 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 521215

Ion Ratio Lower Upper

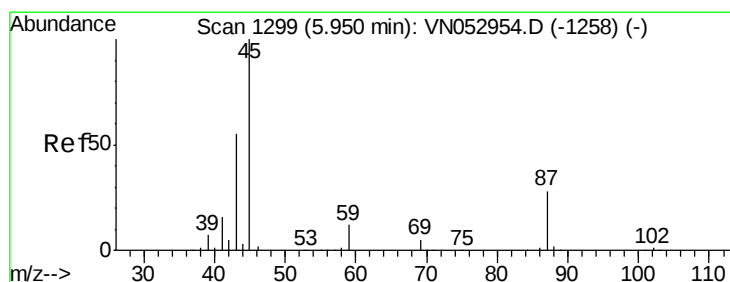
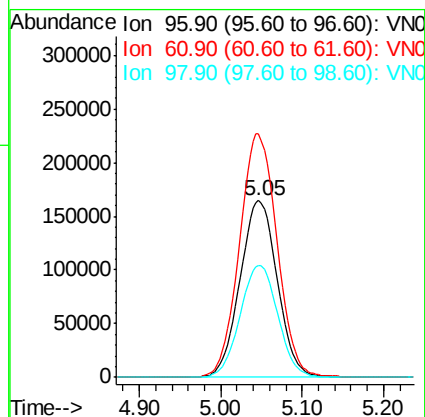
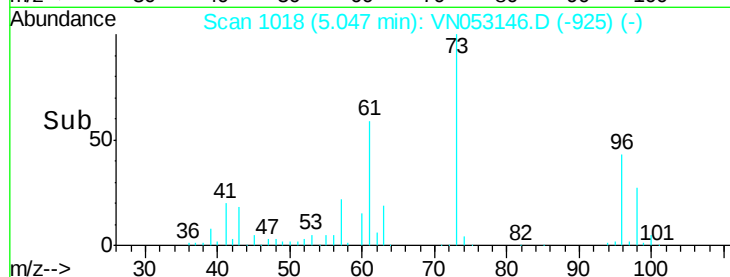
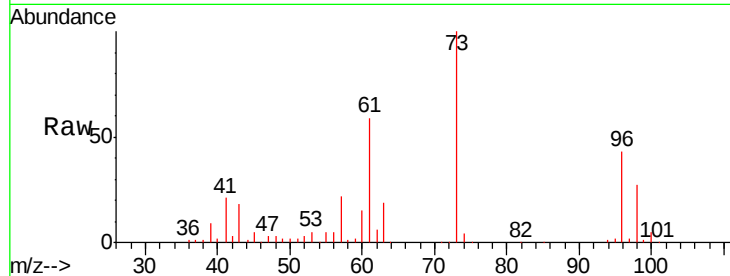
96 100

61 137.7 110.8 166.2

98 63.5 51.4 77.2

Manual Integrations  
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MMDadoda  
12/24/2018 9:11:14 AM



#22

Diisopropyl ether

Concen: 56.181 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Tgt Ion: 45 Resp: 1784807

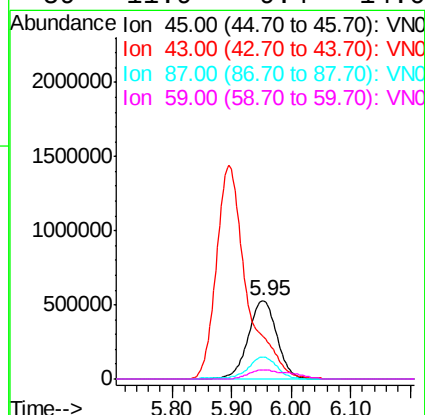
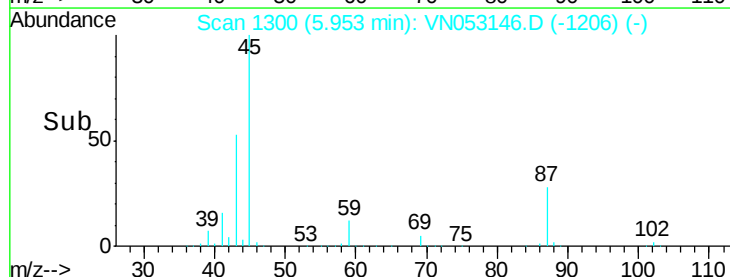
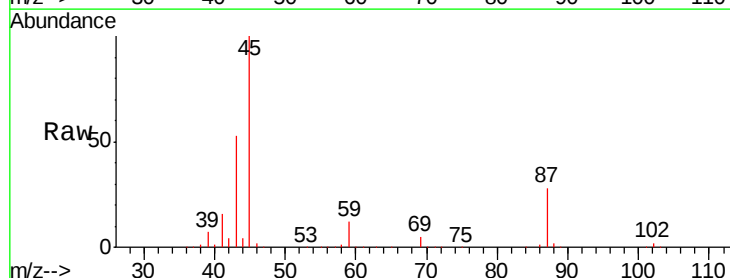
Ion Ratio Lower Upper

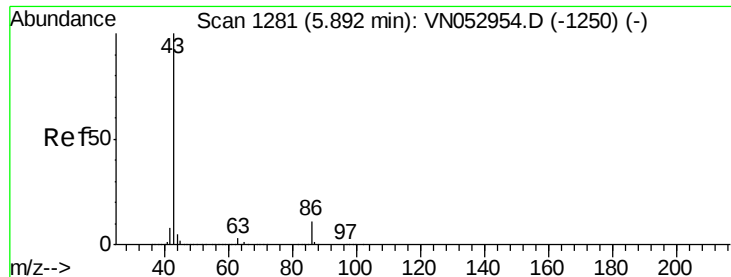
45 100

43 52.8 45.5 68.3

87 27.8 22.0 33.0

59 11.9 9.4 14.0





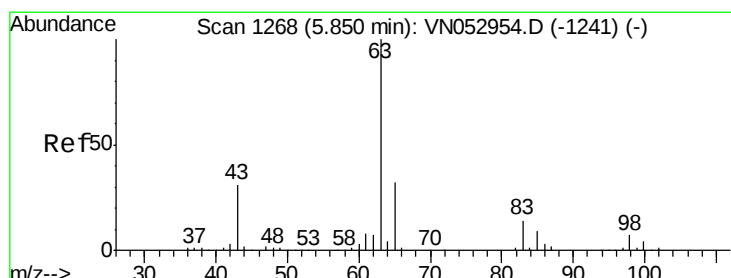
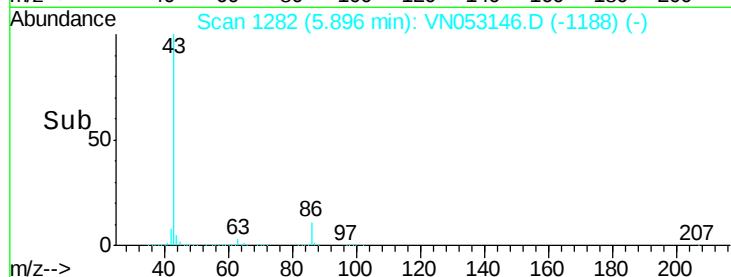
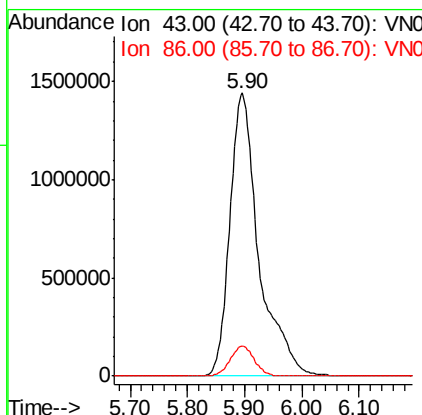
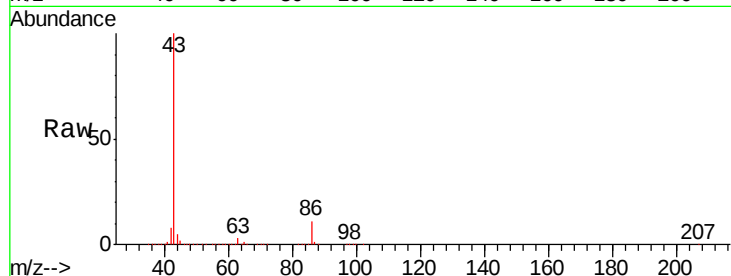
#23  
 Vinyl Acetate  
 Concen: 278.105 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 5080437  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.1 12.1

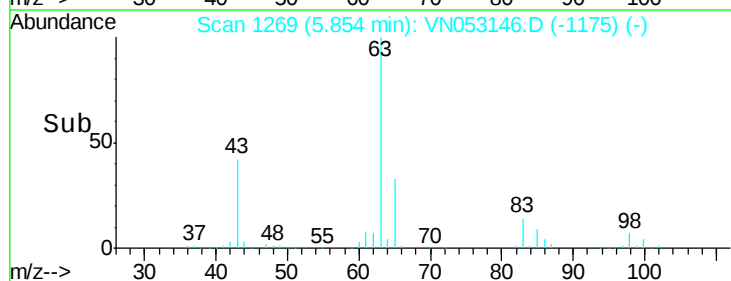
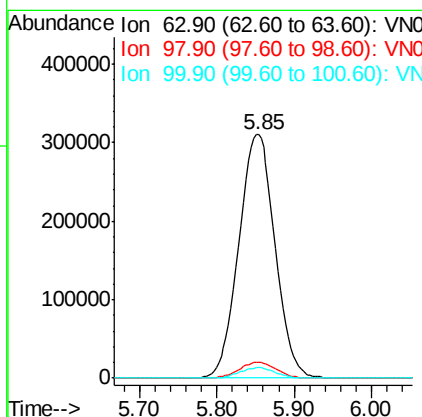
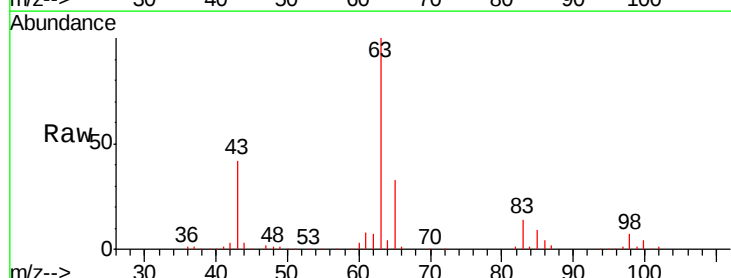
Manual Integrations  
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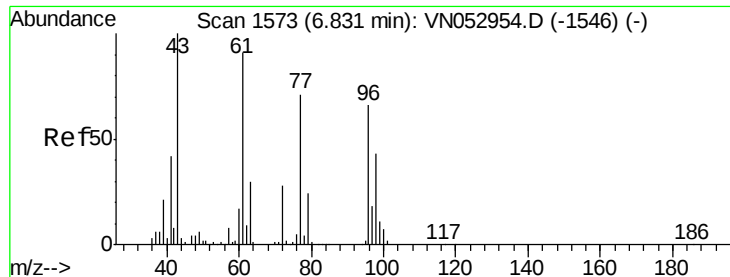
MMDadoda  
 12/24/2018 9:11:14 AM



#24  
 1,1-Dichloroethane  
 Concen: 53.508 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Tgt Ion: 63 Resp: 1010126  
 Ion Ratio Lower Upper  
 63 100  
 98 6.6 3.1 9.4  
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 305.336 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1027860

Ion Ratio Lower Upper

43 100

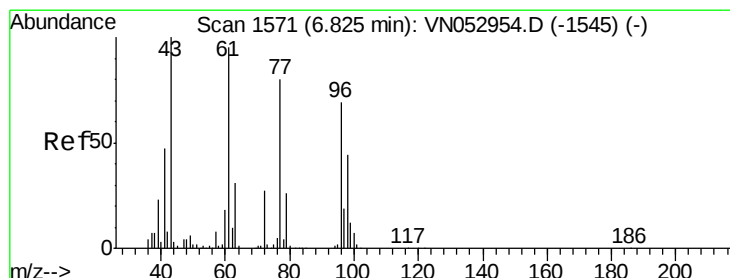
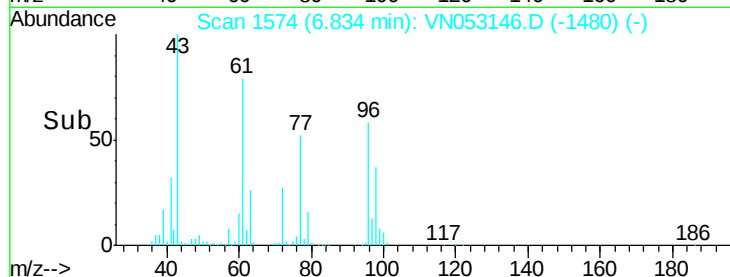
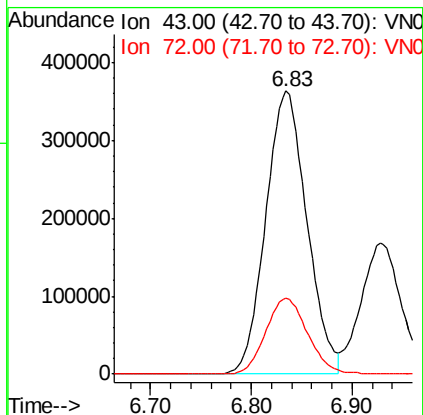
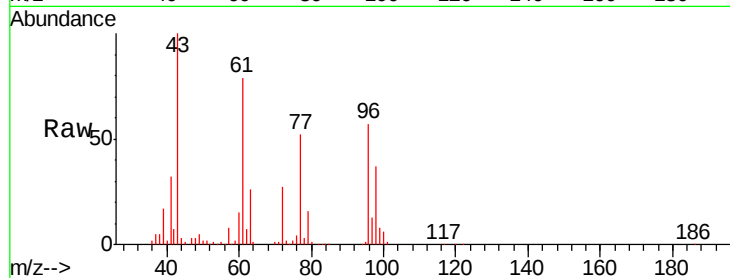
72 26.7 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 44.457 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053146.D

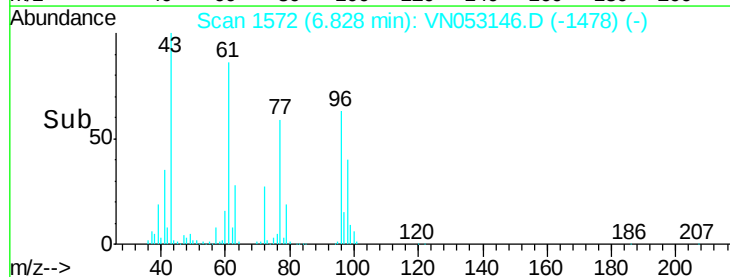
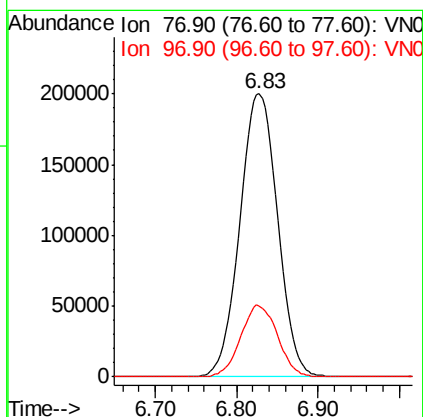
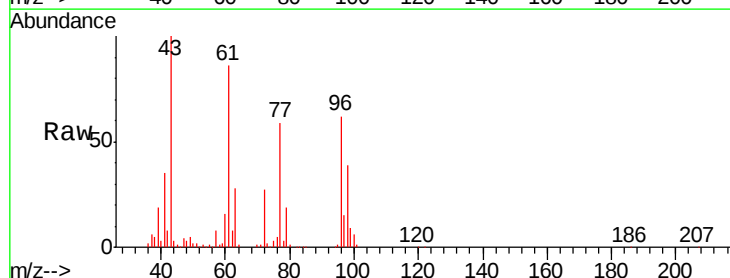
Acq: 22 Dec 2018 21:12

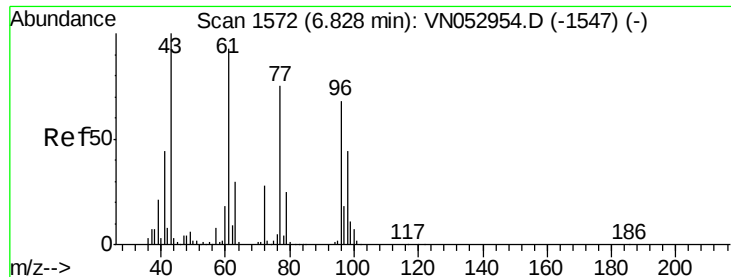
Tgt Ion: 77 Resp: 640657

Ion Ratio Lower Upper

77 100

97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.175 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

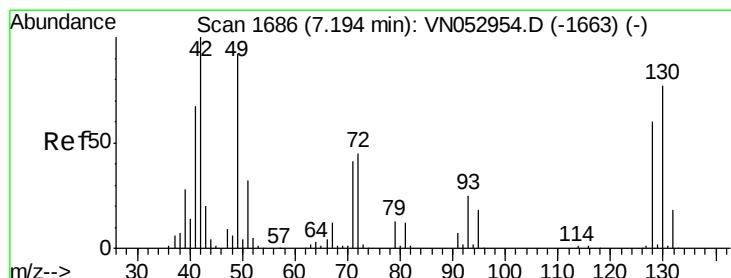
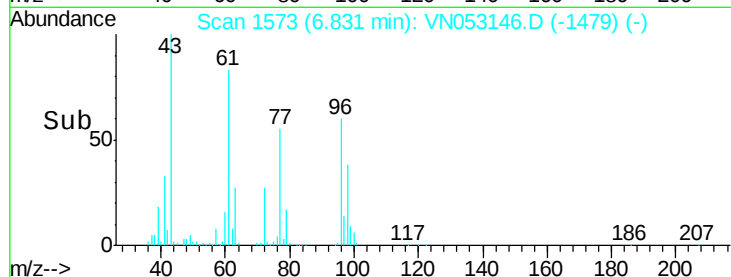
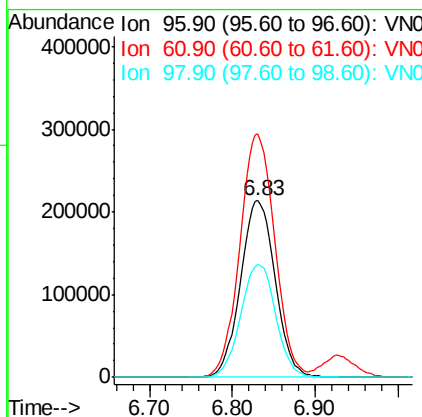
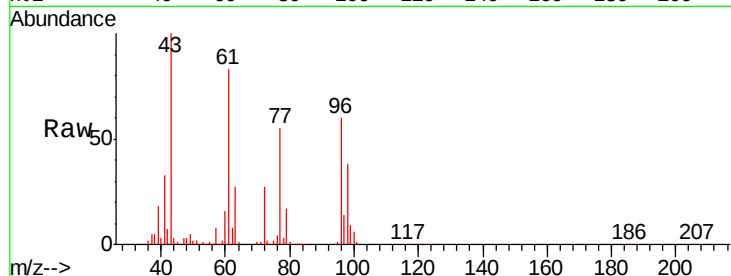
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 621483 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 138.8 | 0.0   | 284.2  |
| 98       | 64.7  | 0.0   | 129.2  |

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#28

Bromochloromethane

Concen: 54.844 ug/l

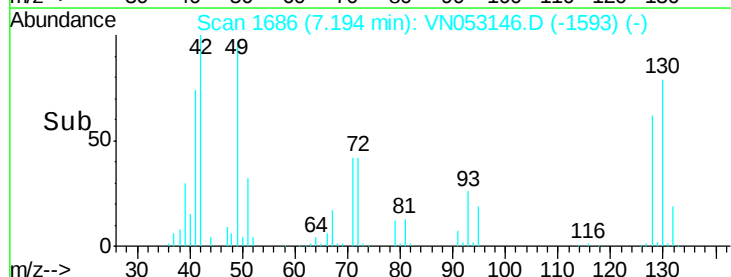
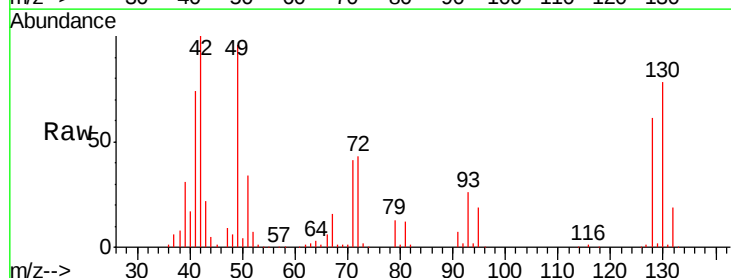
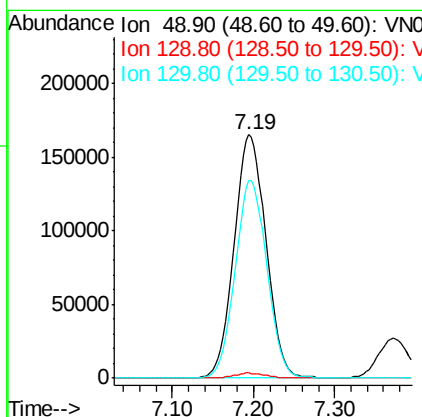
RT: 7.19 min Scan# 1686

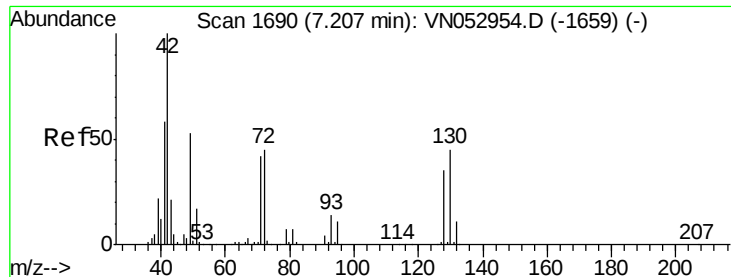
Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 448634 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.0   | 0.0   | 4.0    |
| 130      | 80.7  | 63.3  | 94.9   |





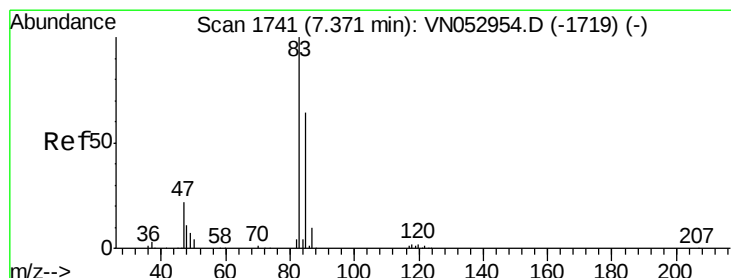
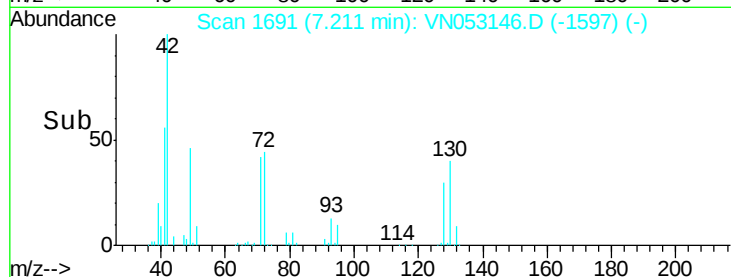
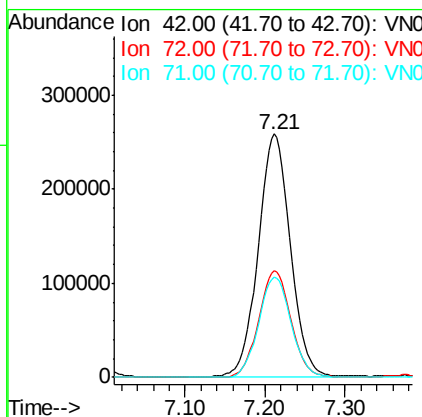
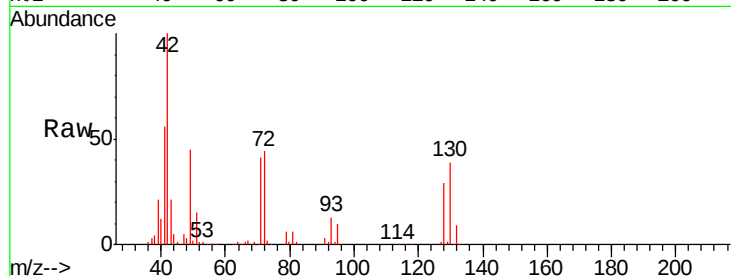
#29  
Tetrahydrofuran  
Concen: 285.915 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.8  | 34.7  | 52.1  |
| 71      | 41.8  | 32.3  | 48.5  |

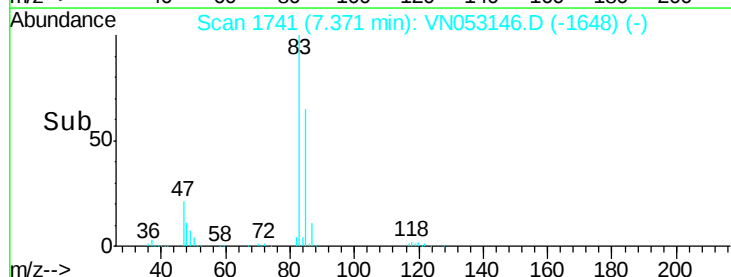
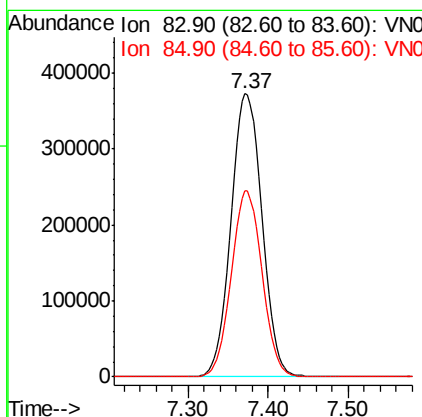
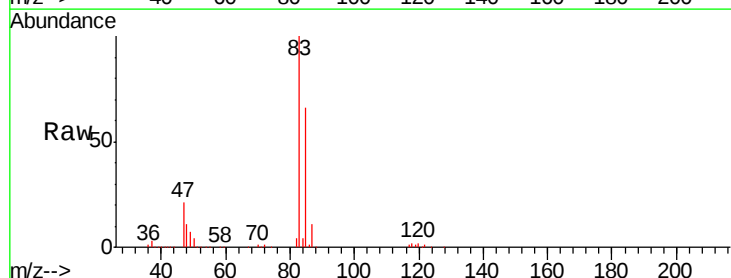
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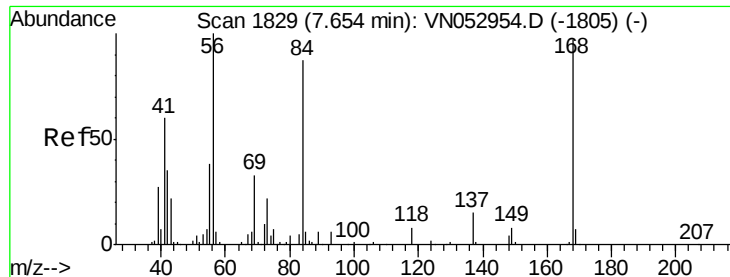
MMDadoda  
12/24/2018 9:11:14 AM



#30  
Chloroform  
Concen: 52.797 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.6  | 52.1  | 78.1  |





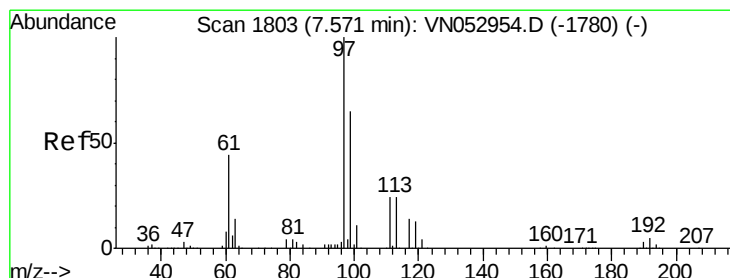
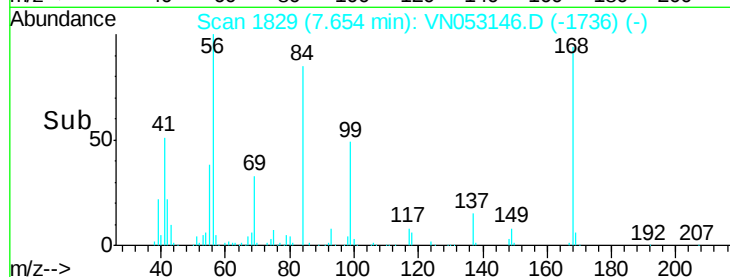
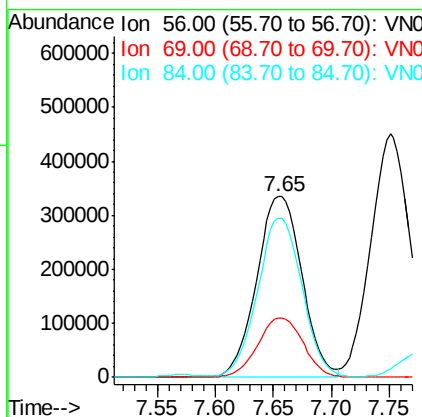
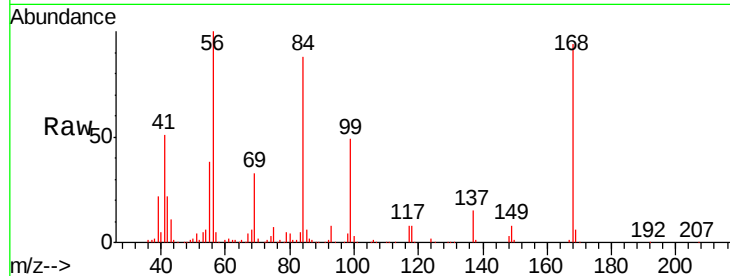
#31  
Cyclohexane  
Concen: 51.464 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.1  | 26.6  | 39.8  |
| 84      | 86.8  | 68.4  | 102.6 |

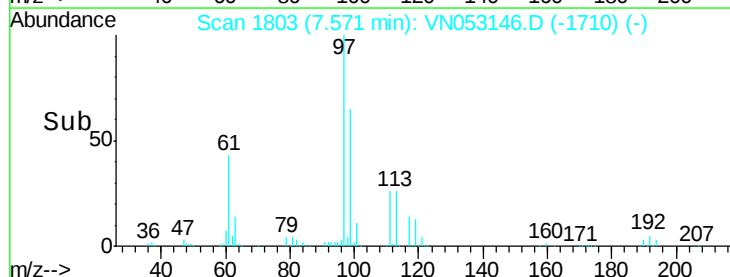
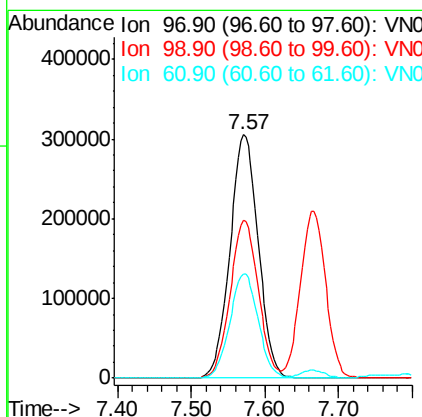
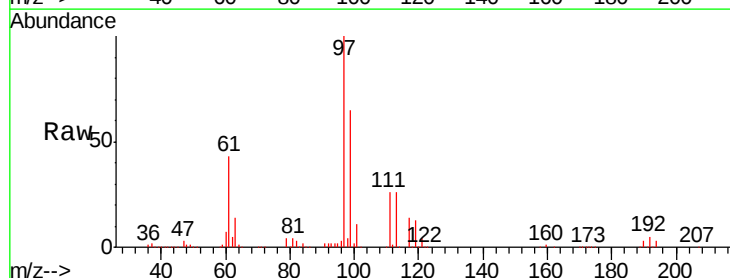
Manual Integrations  
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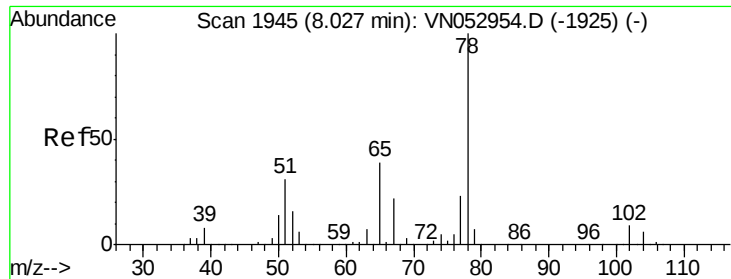
MMDadoda  
12/24/2018 9:11:14 AM



#32  
1,1,1-Trichloroethane  
Concen: 51.530 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.5  | 51.1  | 76.7  |
| 61      | 42.9  | 35.0  | 52.6  |





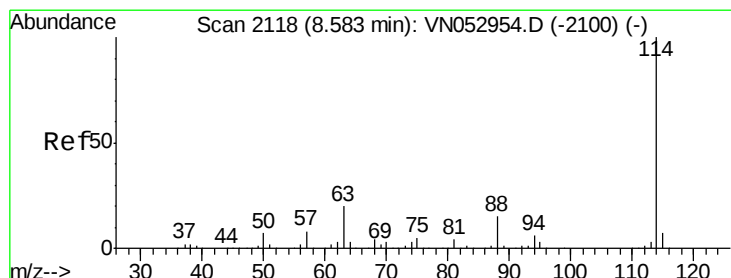
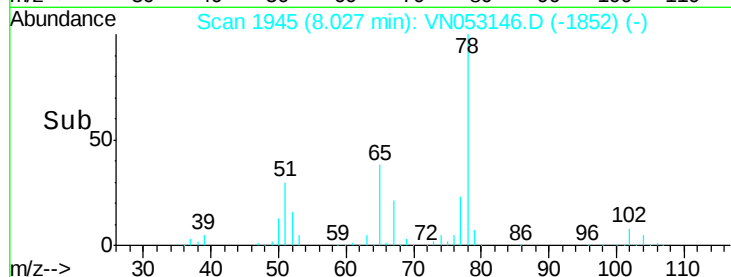
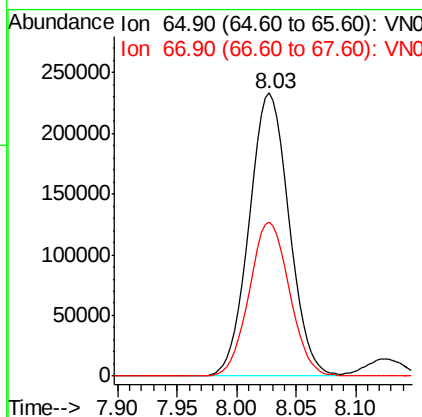
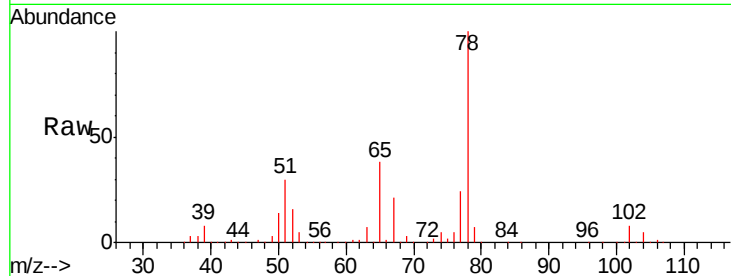
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.530 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 65 Resp: 542314  
 Ion Ratio Lower Upper  
 65 100  
 67 55.1 0.0 110.4

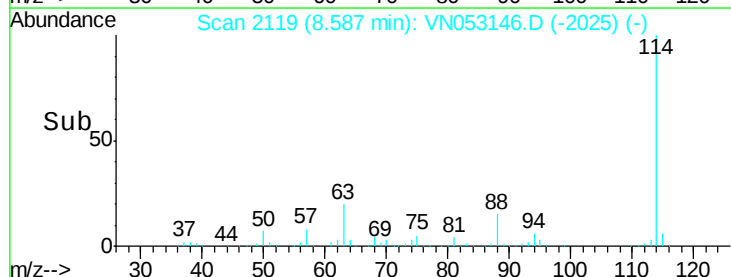
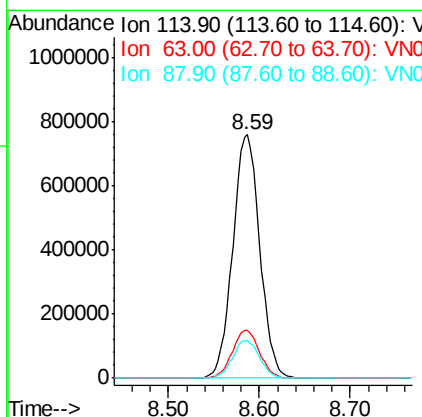
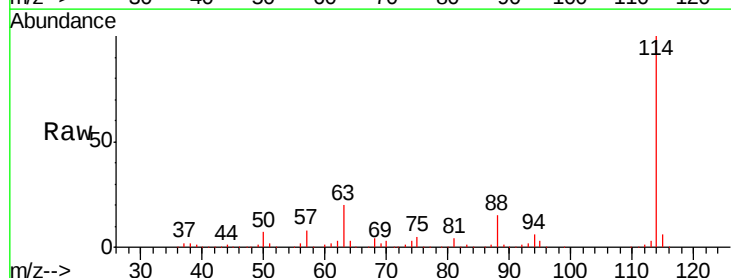
Manual Integrations  
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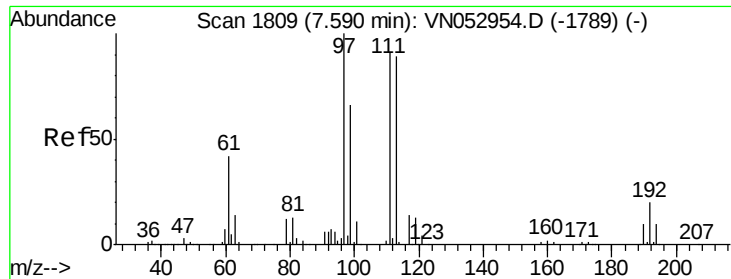
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Tgt Ion: 114 Resp: 1560295  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.8  
 88 15.3 0.0 31.0





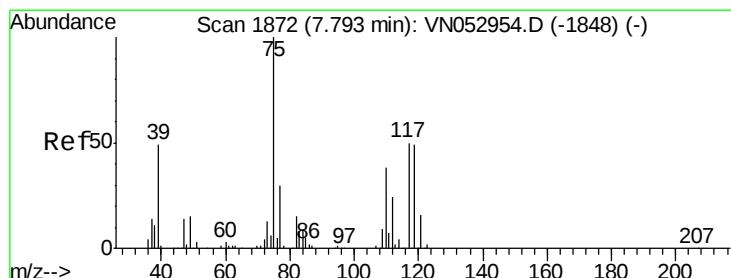
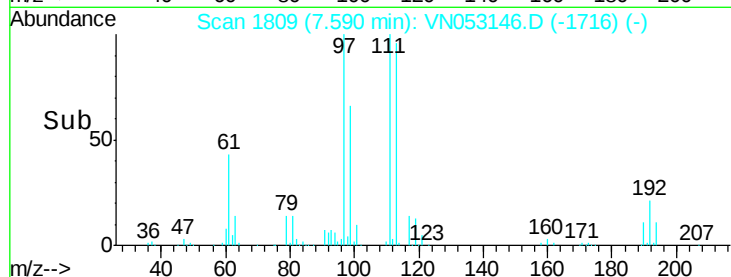
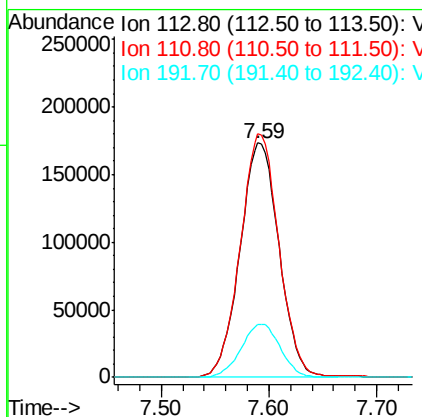
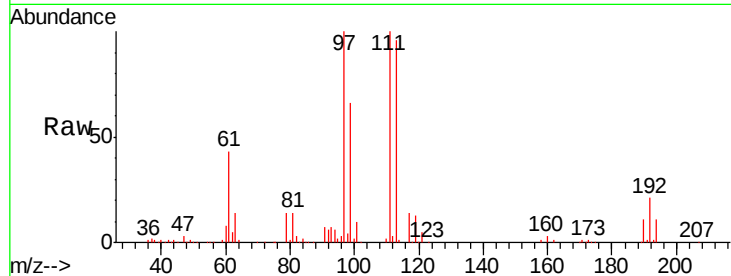
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 437299 |       |       |
| 111     | 102.8 | 83.0   | 124.4 |       |
| 192     | 22.7  | 17.5   | 26.3  |       |

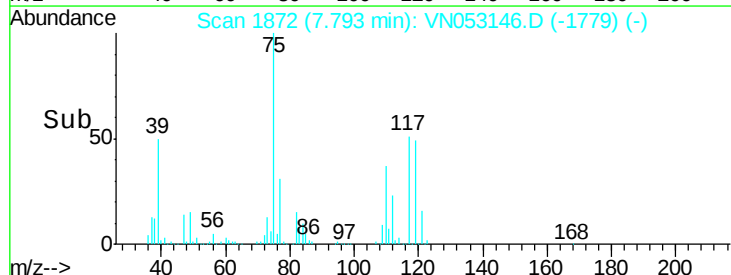
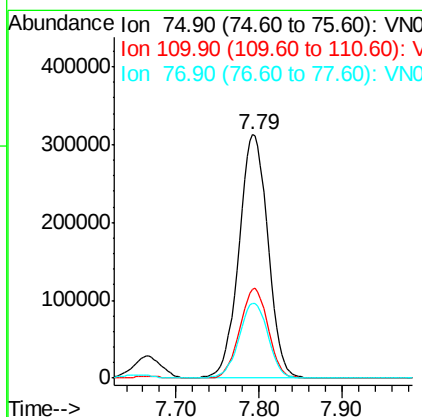
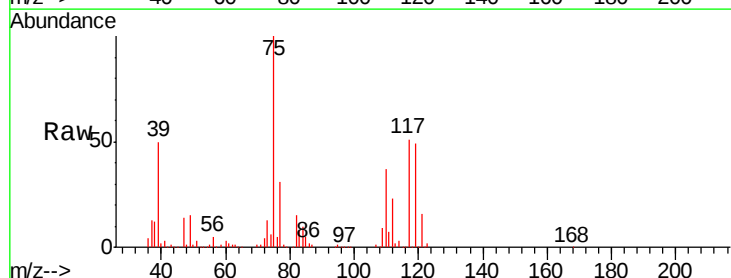
Manual Integrations  
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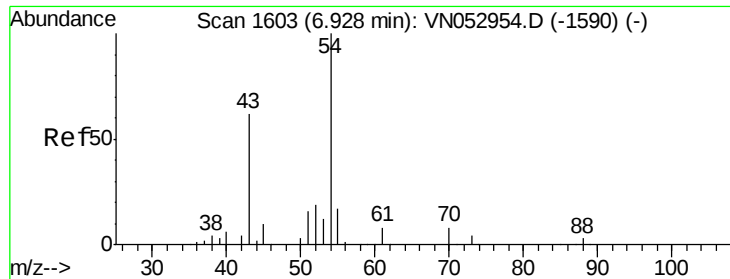
MMDadoda  
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#36  
1,1-Dichloropropene  
Concen: 50.456 ug/l  
RT: 7.79 min Scan# 1872  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 755632 |       |       |
| 110     | 36.2  | 18.2   | 54.6  |       |
| 77      | 31.2  | 24.9   | 37.3  |       |





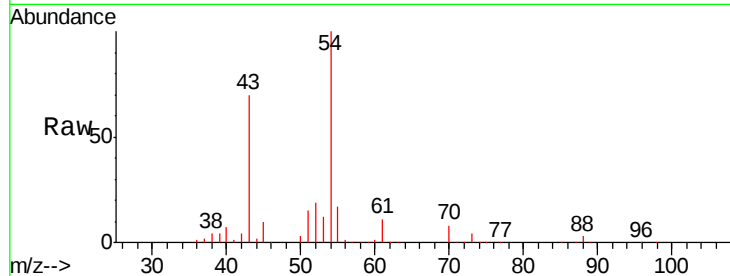
#37  
Ethyl Acetate  
Concen: 56.697 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

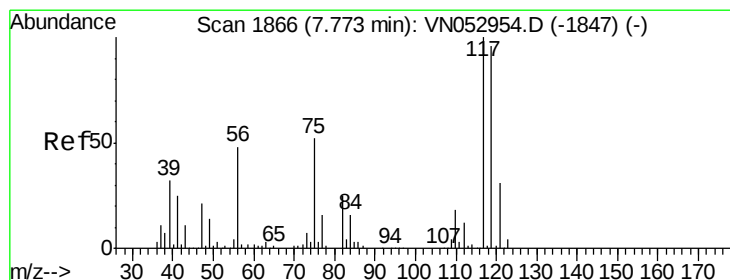
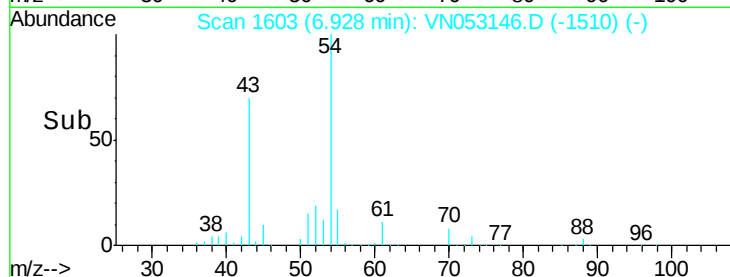
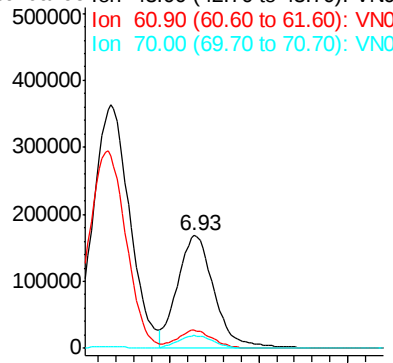
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.4  | 11.8  | 17.6  |
| 70      | 10.8  | 8.4   | 12.6  |

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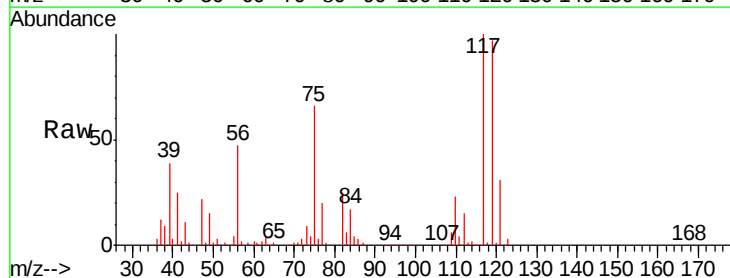


Abundance Ion 43.00 (42.70 to 43.70): VN053146.D (-1510) (-)

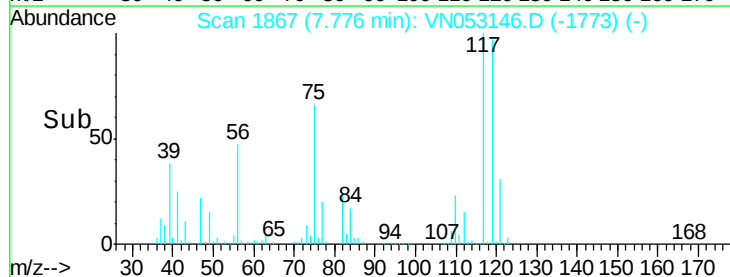
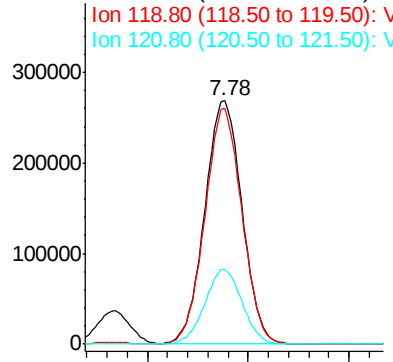


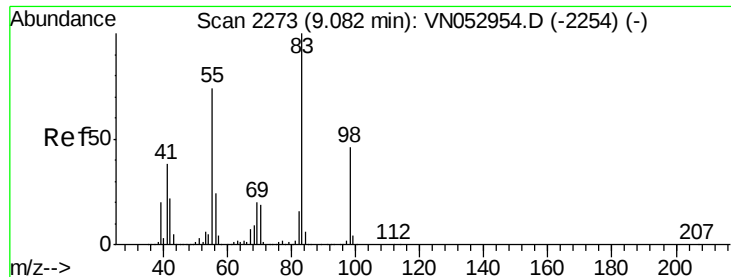
#38  
Carbon Tetrachloride  
Concen: 50.014 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.9  | 77.1  | 115.7 |
| 121     | 30.5  | 24.9  | 37.3  |



Abundance Ion 116.80 (116.50 to 117.50): VN053146.D (-1773) (-)





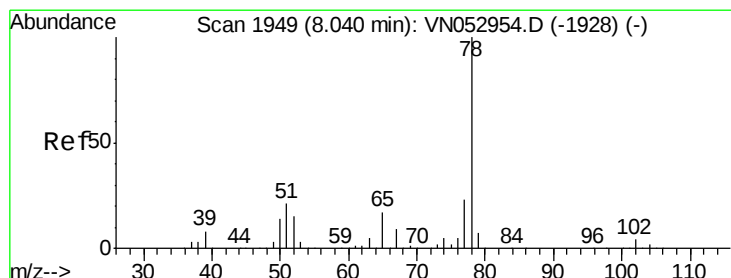
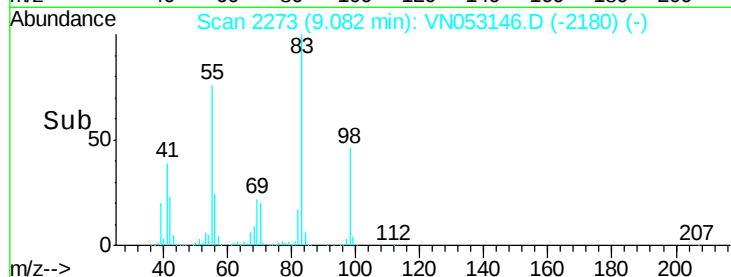
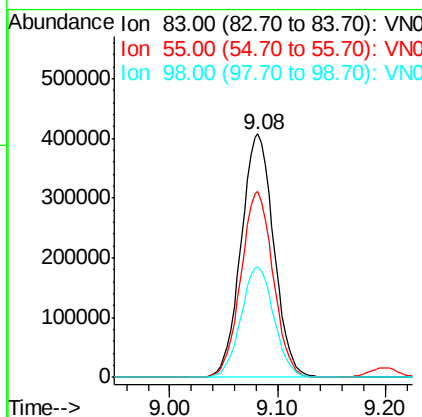
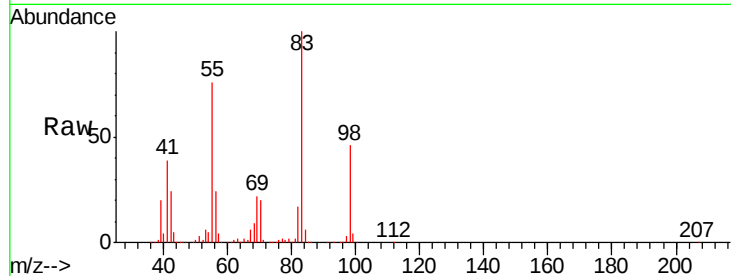
#39  
Methylcyclohexane  
Concen: 47.235 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.3  | 61.3  | 91.9  |
| 98      | 45.6  | 37.0  | 55.4  |

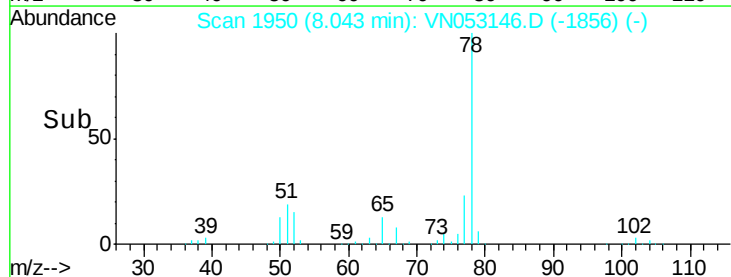
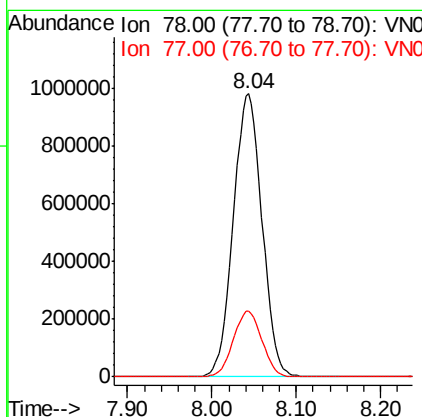
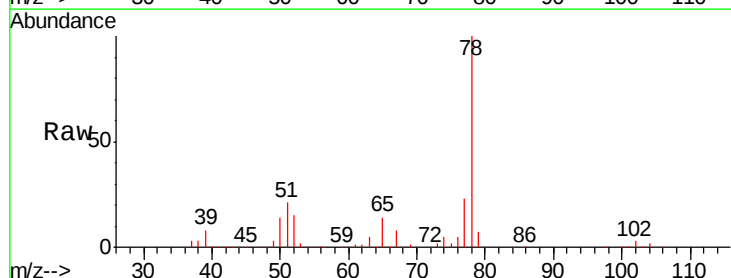
Manual Integrations  
APPROVED

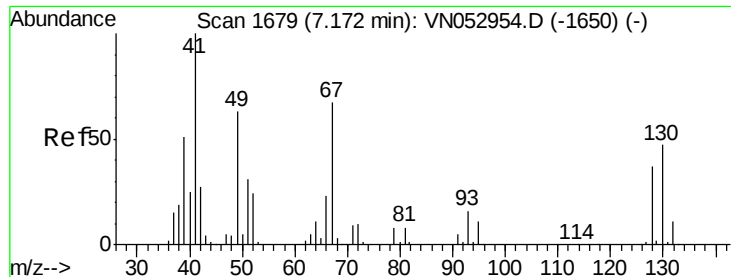
MMDadoda  
12/24/2018 9:11:14 AM



#40  
Benzene  
Concen: 52.216 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 18.5  | 27.7  |





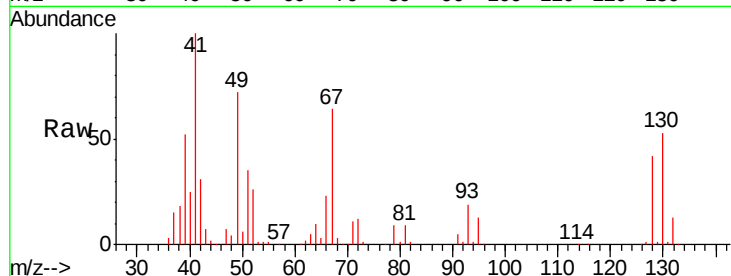
#41  
Methacrylonitrile  
Concen: 59.288 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 54.5  | 48.0  | 72.0  |
| 67      | 79.7  | 70.3  | 105.5 |
| 52      | 30.5  | 26.9  | 40.3  |

Manual Integrations  
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MMDadoda  
12/24/2018 9:11:14 AM

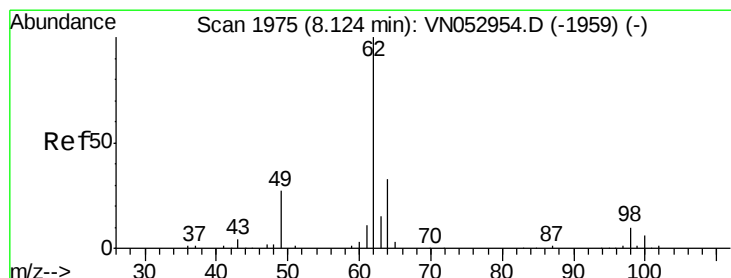
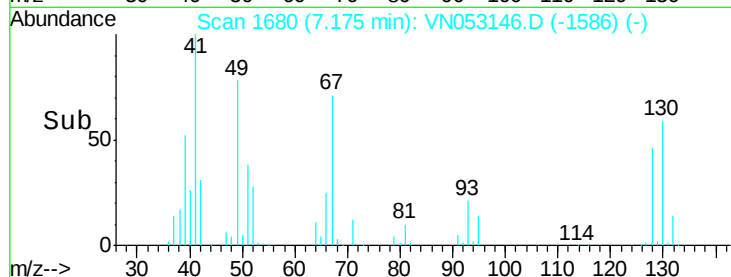
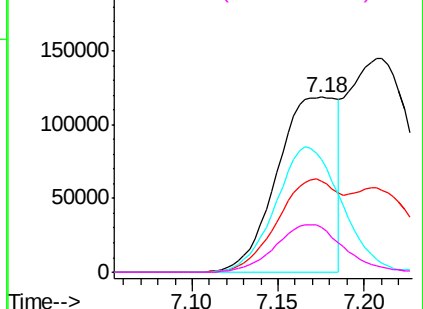


Abundance Ion 41.00 (40.70 to 41.70): VN052954.D (-1650) (-)

Ion 39.00 (38.70 to 39.70): VN052954.D (-1650) (-)

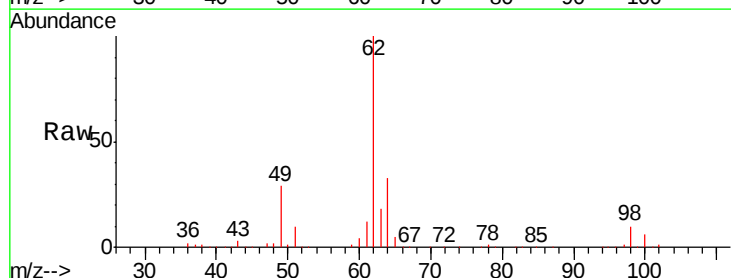
Ion 67.00 (66.70 to 67.70): VN052954.D (-1650) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-1650) (-)



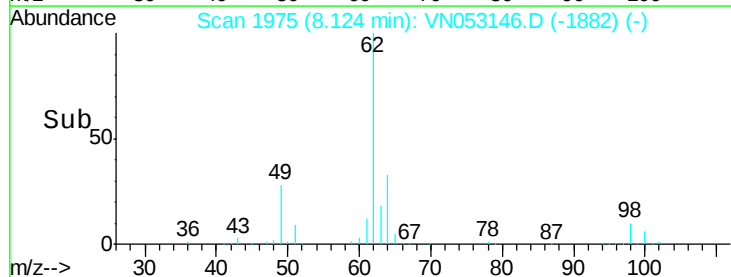
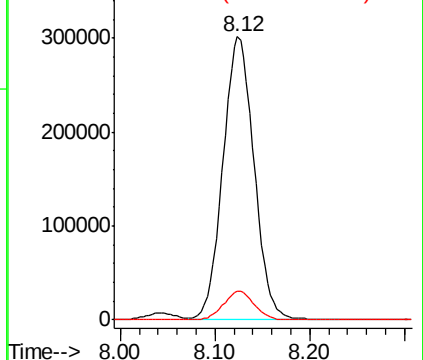
#42  
1,2-Dichloroethane  
Concen: 52.232 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

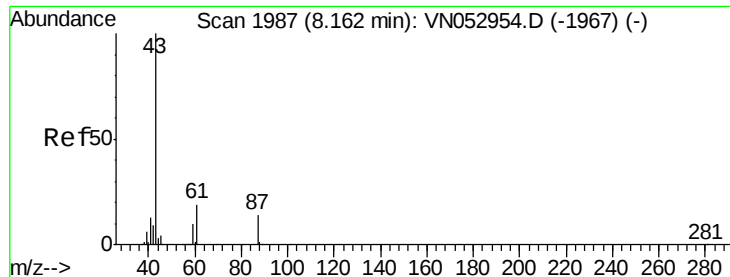
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.1  | 0.0   | 19.0  |



Abundance Ion 61.90 (61.60 to 62.60): VN052954.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1959) (-)





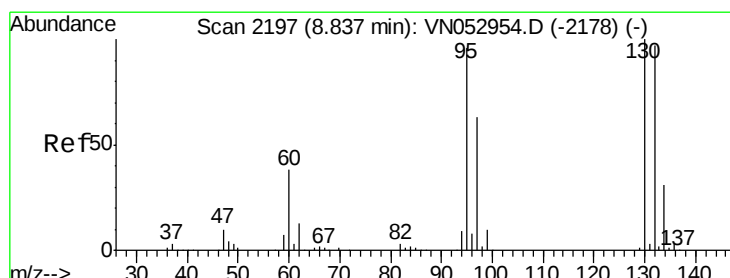
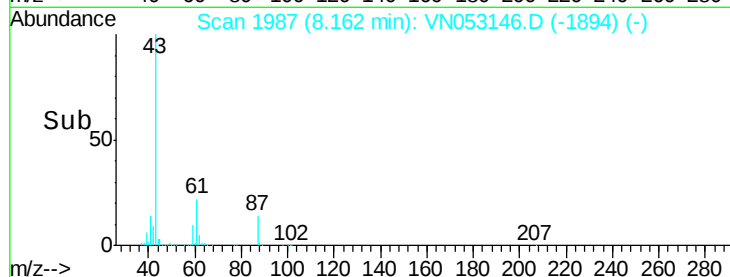
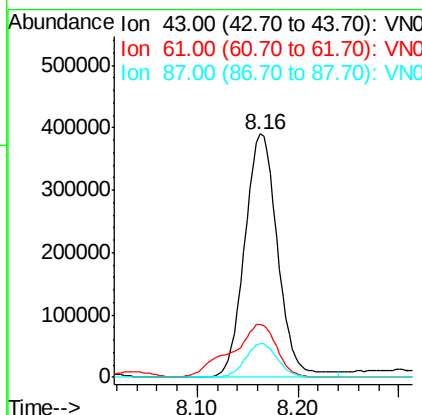
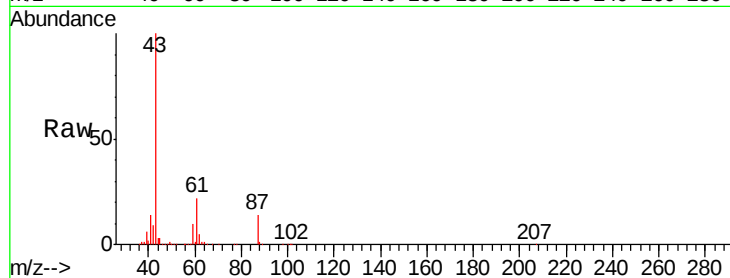
#43  
Isopropyl Acetate  
Concen: 54.518 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.7  | 22.9  | 34.3  |
| 87      | 13.5  | 10.6  | 15.8  |

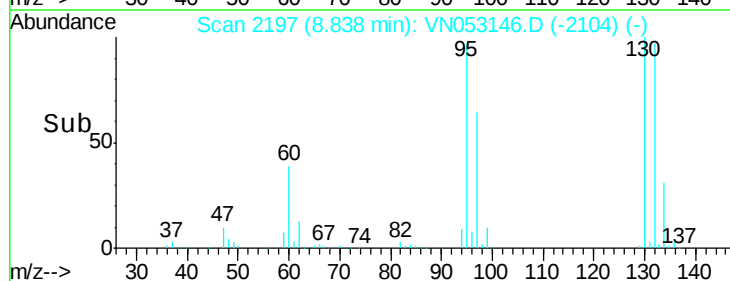
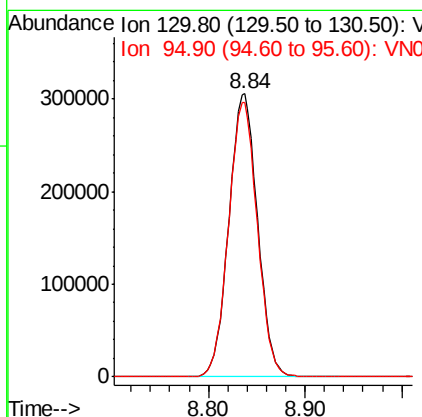
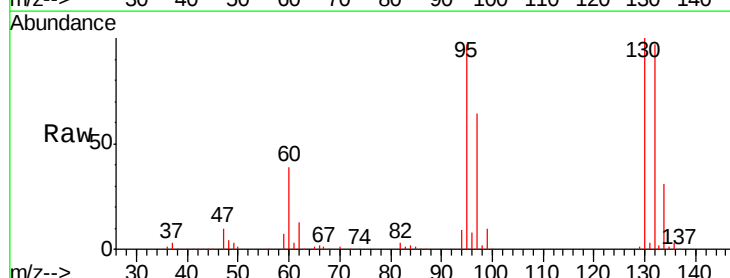
Manual Integrations  
APPROVED

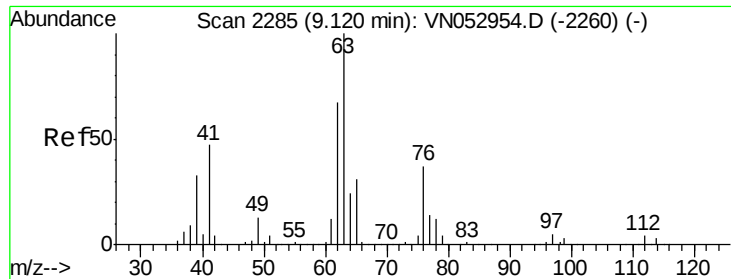
MMDadoda  
12/24/2018 9:11:14 AM



#44  
Trichloroethene  
Concen: 48.825 ug/l  
RT: 8.84 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 96.9  | 0.0   | 197.8 |





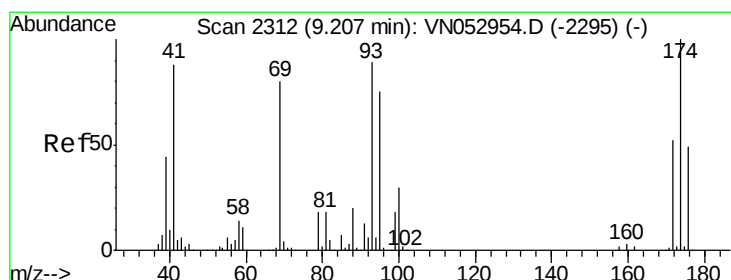
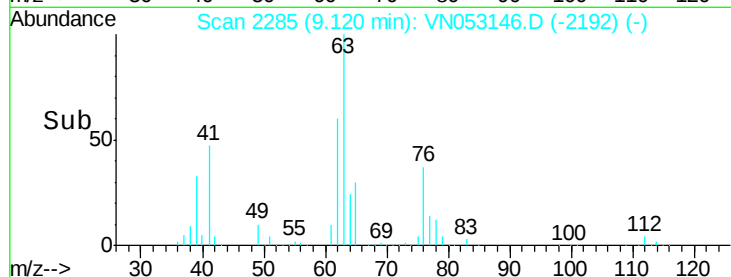
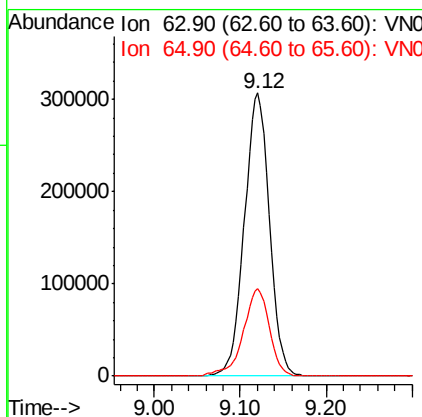
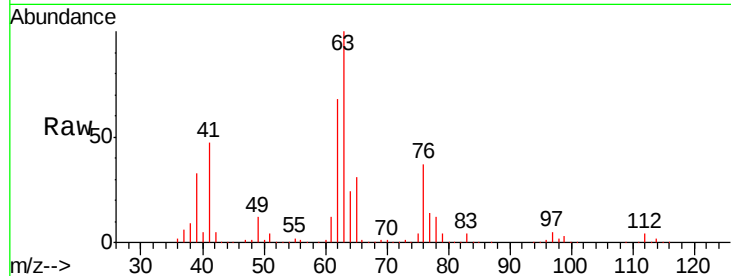
#45  
 1,2-Dichloropropane  
 Concen: 53.561 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 63 Resp: 621466  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 24.6 37.0

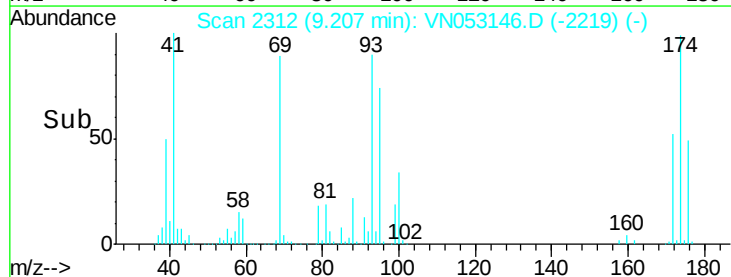
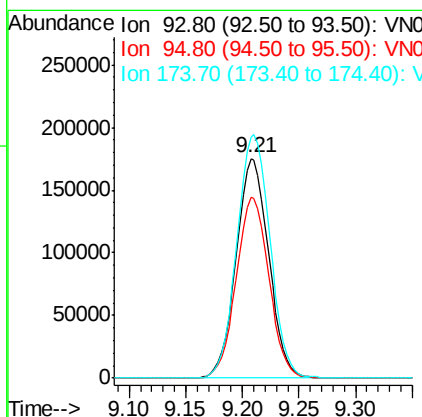
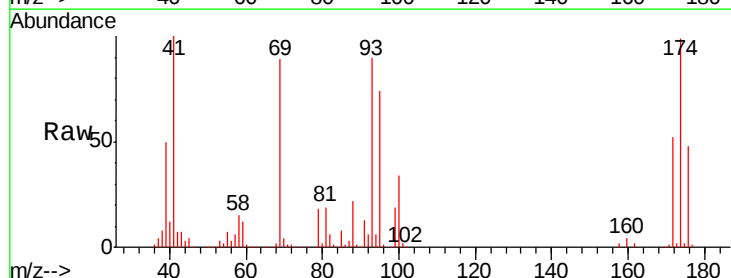
Manual Integrations  
 APPROVED

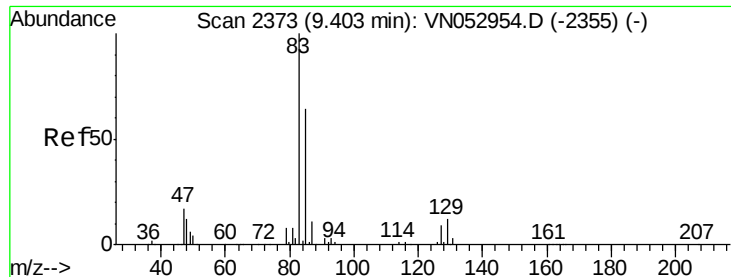
MMDadoda  
 12/24/2018 9:11:14 AM



#46  
 Dibromomethane  
 Concen: 52.097 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Tgt Ion: 93 Resp: 352137  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 67.8 101.6  
 174 113.0 89.0 133.4





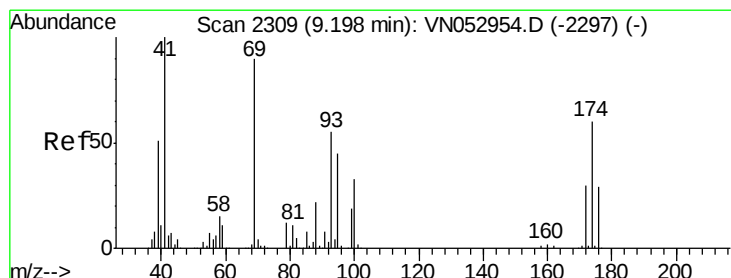
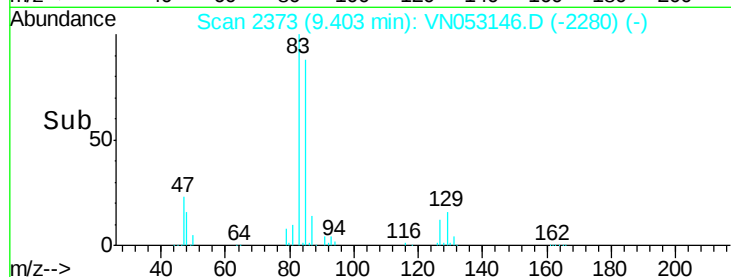
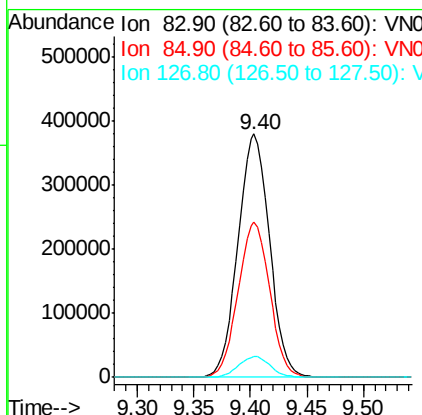
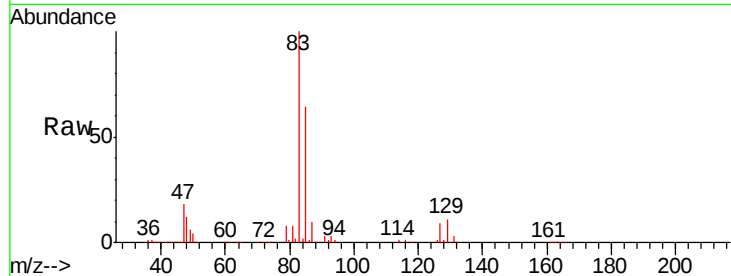
#47  
Bromodichloromethane  
Concen: 51.508 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.0  | 51.6  | 77.4  |
| 127     | 8.7   | 7.1   | 10.7  |

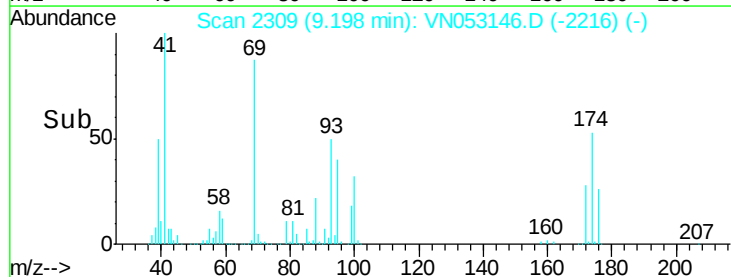
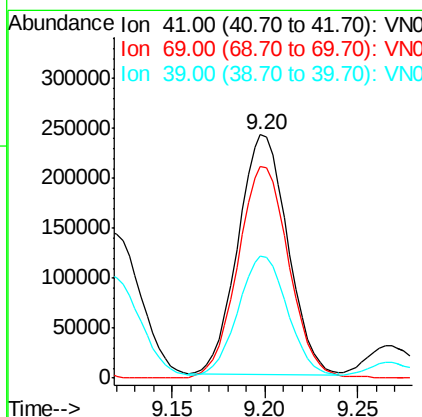
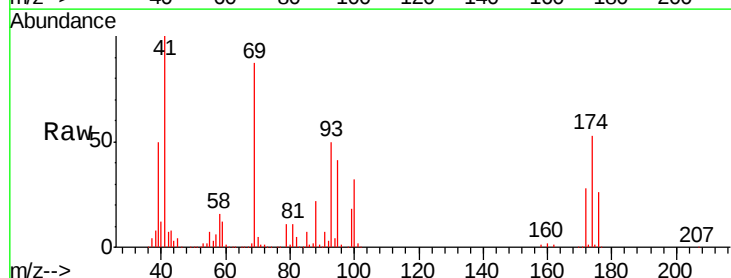
Manual Integrations  
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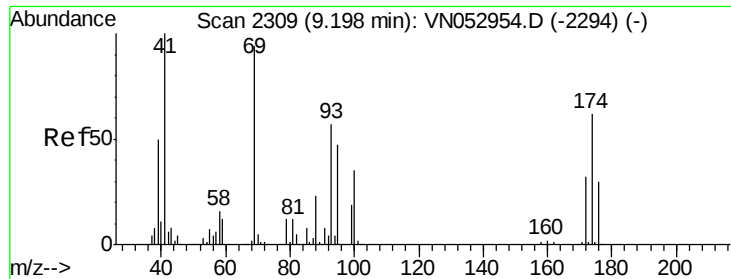
MMDadoda  
12/24/2018 9:11:14 AM



#48  
Methyl methacrylate  
Concen: 55.204 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 91.4  | 72.2  | 108.2 |
| 39      | 51.7  | 41.9  | 62.9  |





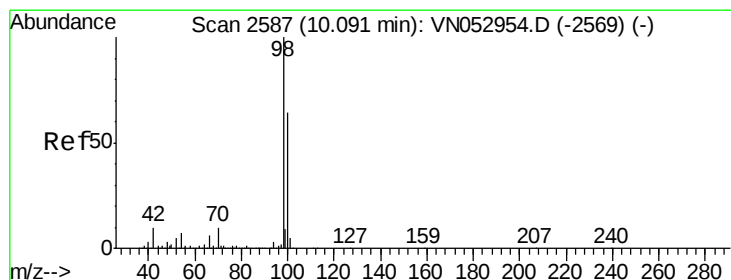
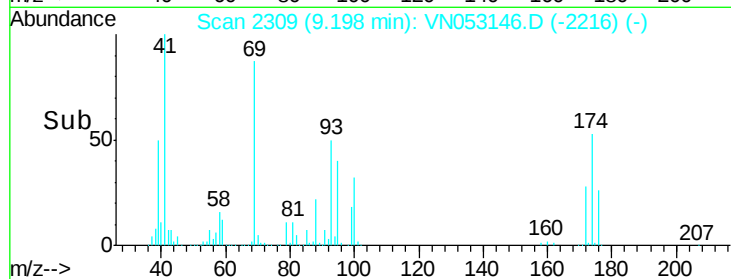
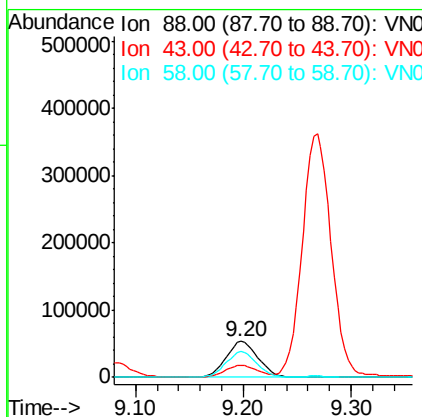
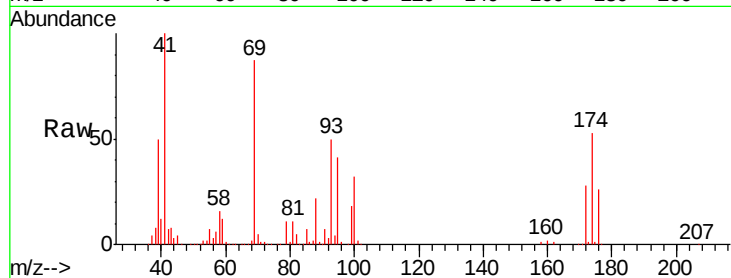
#49  
1,4-Dioxane  
Concen: 1085.722 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.3  | 26.6  | 40.0  |
| 58      | 68.8  | 58.4  | 87.6  |

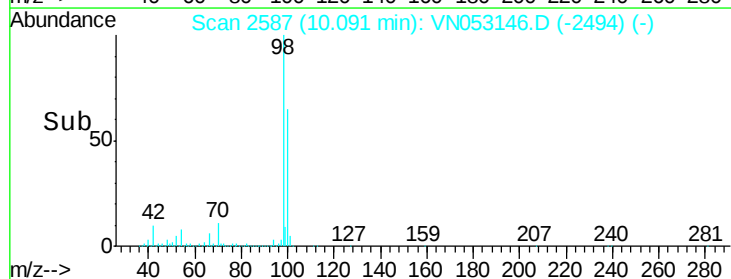
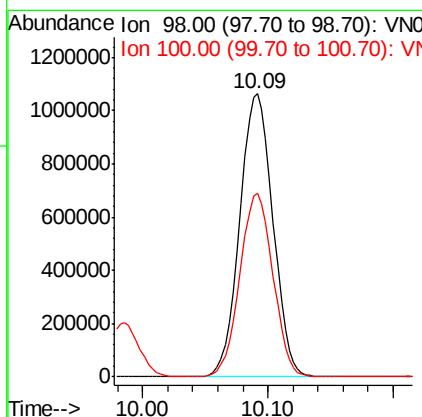
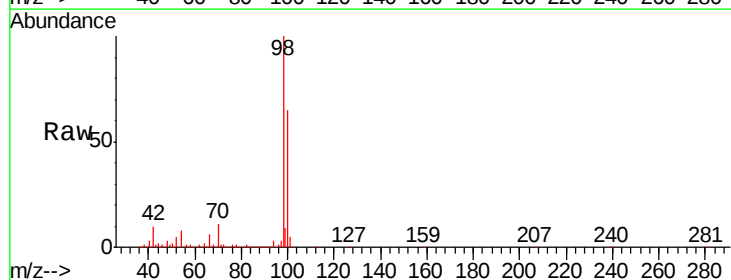
Manual Integrations  
APPROVED

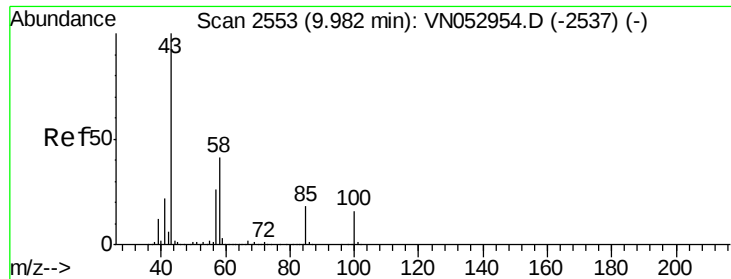
MMDadoda  
12/24/2018 9:11:14 AM



#50  
Toluene-d8  
Concen: 1085.722 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.6  | 51.6  | 77.4  |





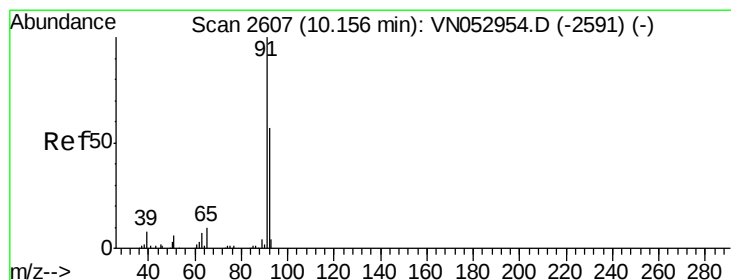
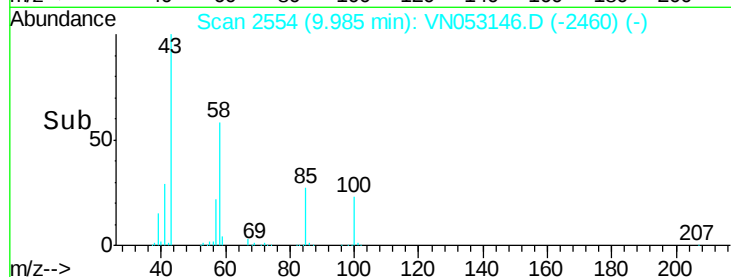
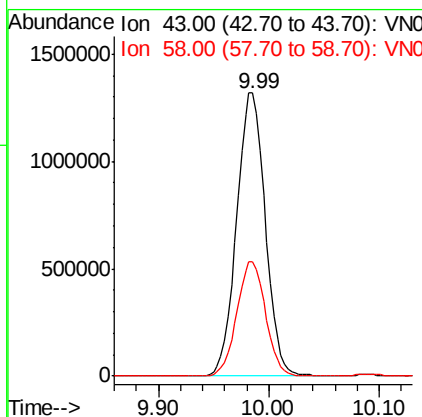
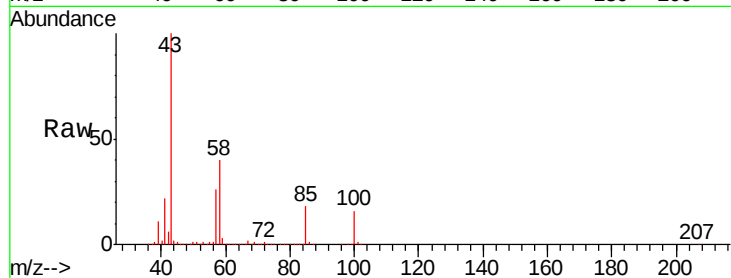
#51  
 4-Methyl-2-Pentanone  
 Concen: 292.926 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2371649  
 Ion Ratio Lower Upper  
 43 100  
 58 40.5 32.2 48.4

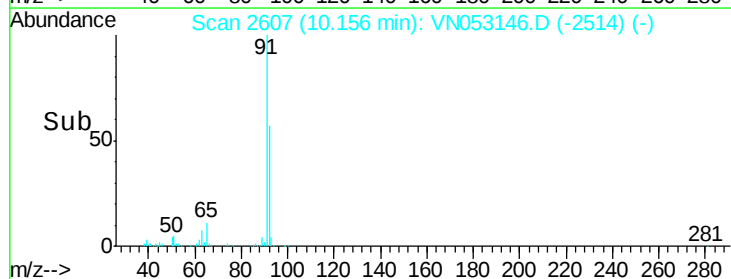
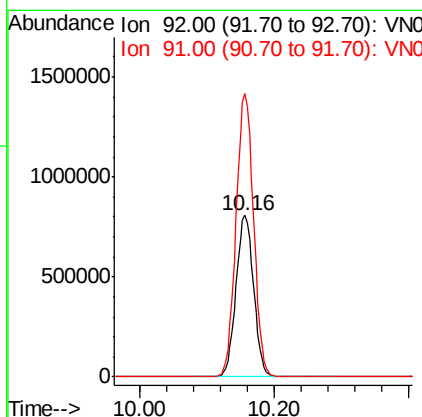
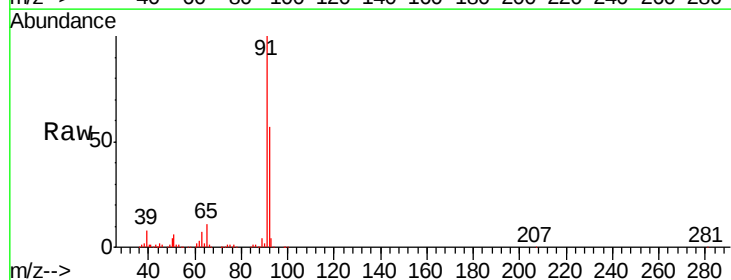
Manual Integrations  
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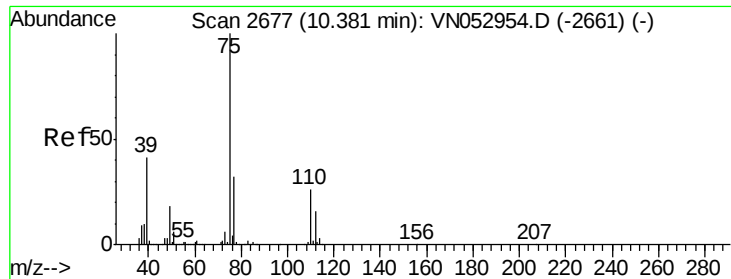
MMDadoda  
 12/24/2018 9:11:14 AM



#52  
 Toluene  
 Concen: 52.705 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Tgt Ion: 92 Resp: 1455244  
 Ion Ratio Lower Upper  
 92 100  
 91 174.5 139.8 209.6





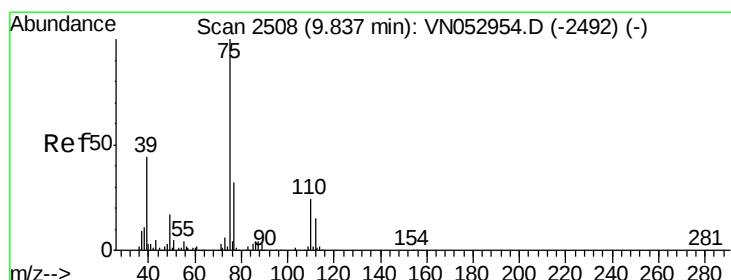
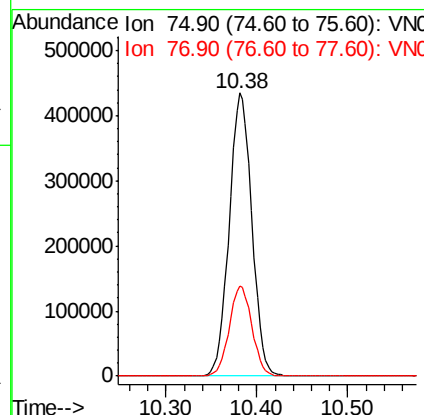
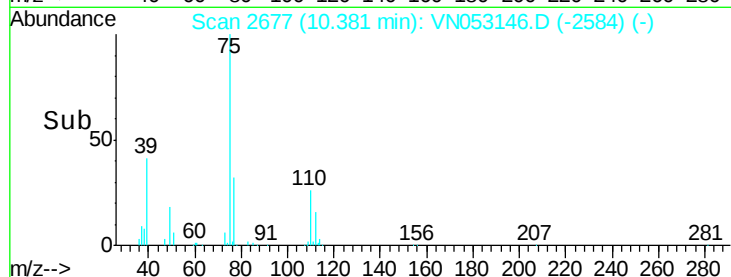
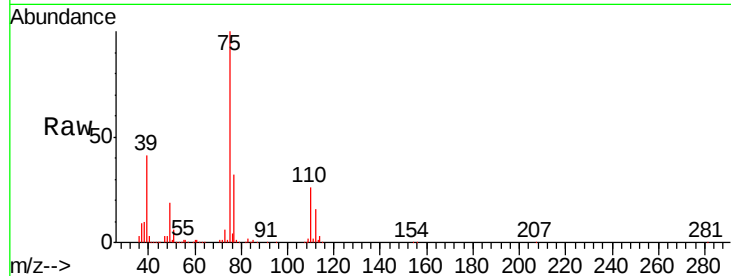
#53  
t-1,3-Dichloropropene  
Concen: 49.703 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 75 Resp: 750944  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.6 38.4

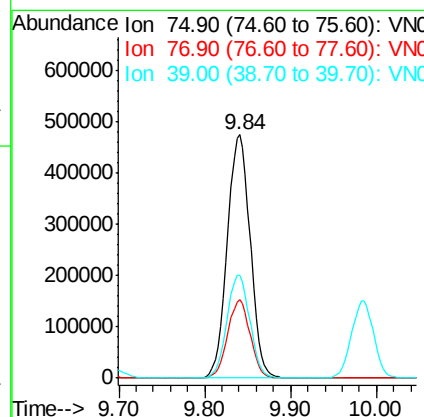
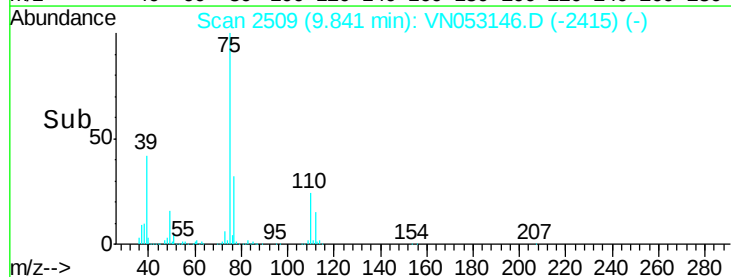
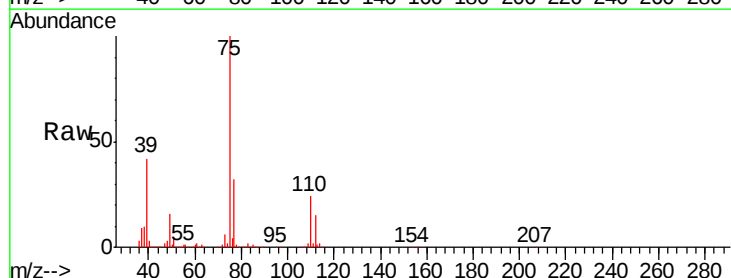
Manual Integrations  
APPROVED

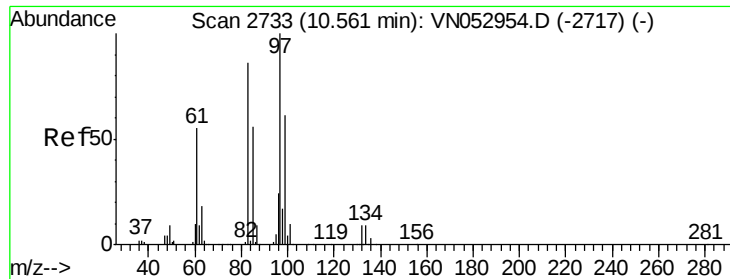
MMDadoda  
12/24/2018 9:11:14 AM



#54  
cis-1,3-Dichloropropene  
Concen: 50.893 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Tgt Ion: 75 Resp: 882582  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.8 38.8  
39 42.4 34.8 52.2





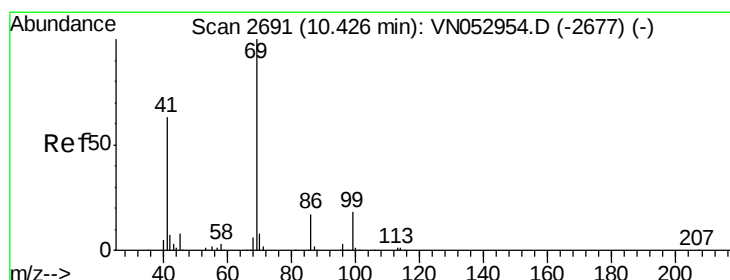
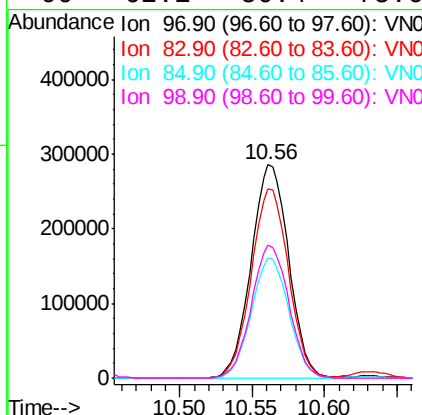
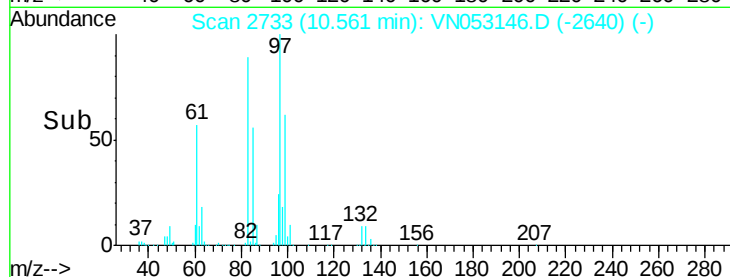
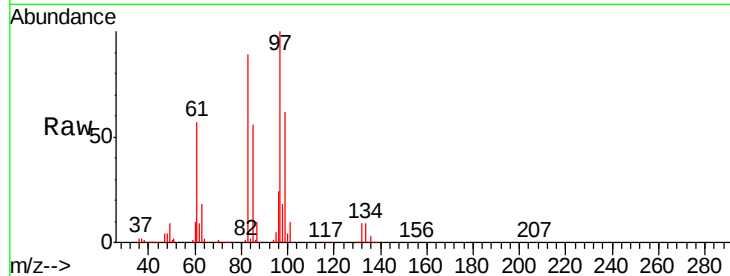
#55  
 1,1,2-Trichloroethane  
 Concen: 53.717 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.7  | 70.9  | 106.3 |
| 85      | 56.2  | 45.4  | 68.2  |
| 99      | 62.1  | 50.4  | 75.6  |

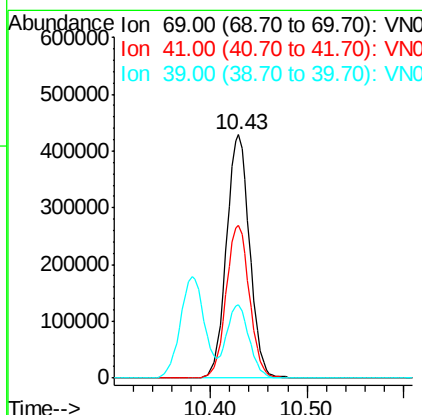
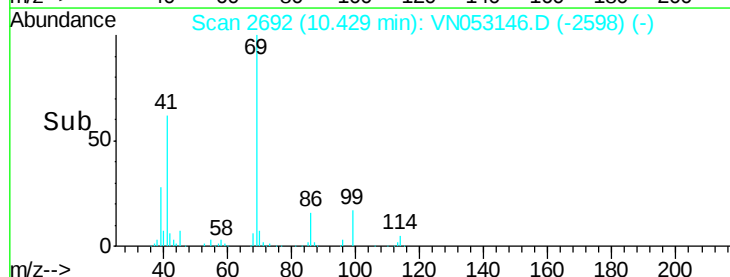
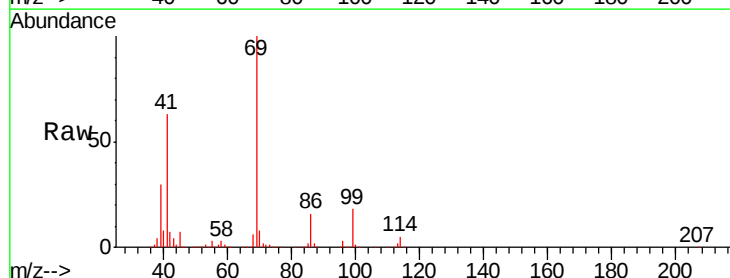
Manual Integrations  
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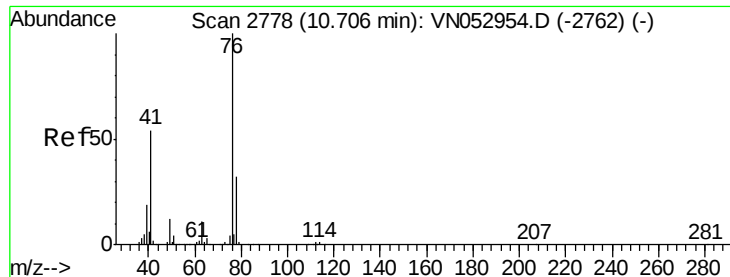
MMDadoda  
 12/24/2018 9:11:14 AM



#56  
 Ethyl methacrylate  
 Concen: 55.709 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 62.7  | 51.7  | 77.5  |
| 39      | 29.5  | 24.6  | 37.0  |





#57

1,3-Dichloropropane

Concen: 53.952 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 891195

Ion Ratio Lower Upper

76 100

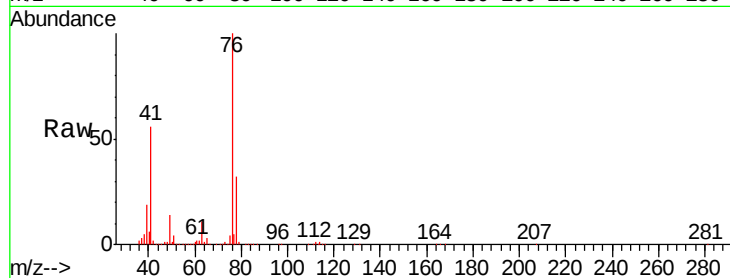
78 32.2 25.8 38.8

Manual Integrations

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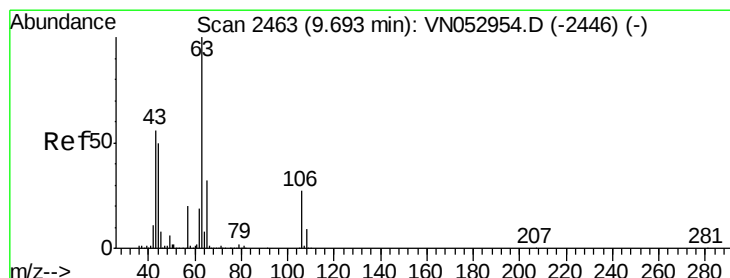
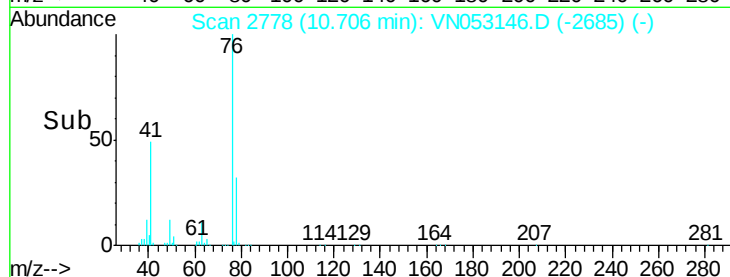
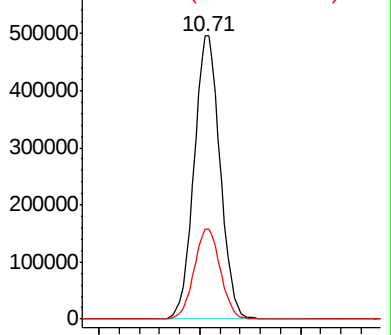
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 274.146 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053146.D

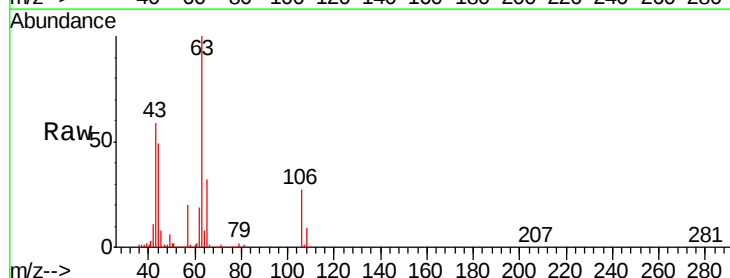
Acq: 22 Dec 2018 21:12

Tgt Ion: 63 Resp: 1918893

Ion Ratio Lower Upper

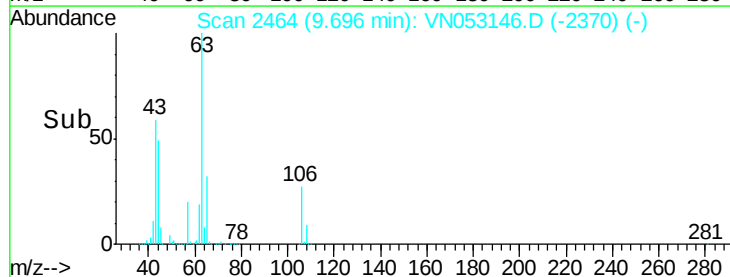
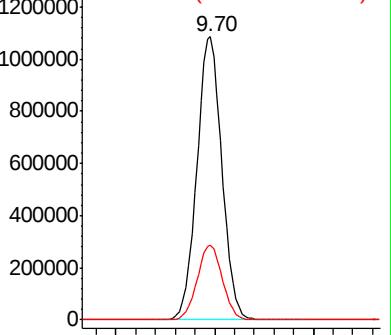
63 100

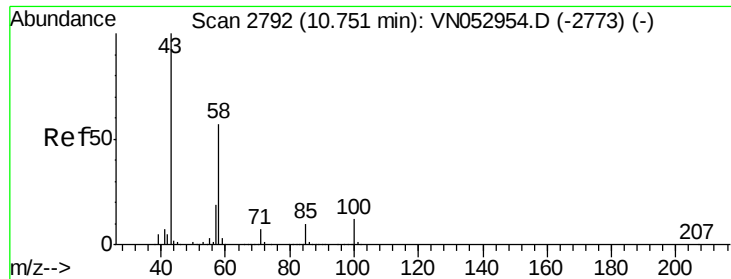
106 26.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





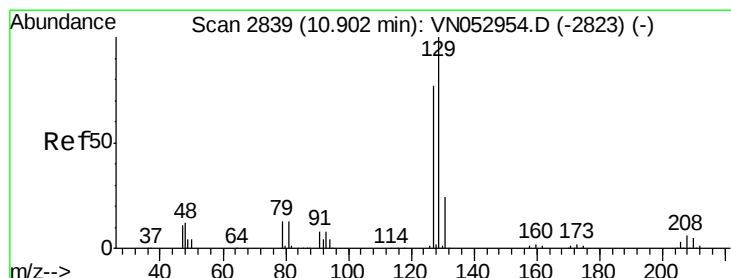
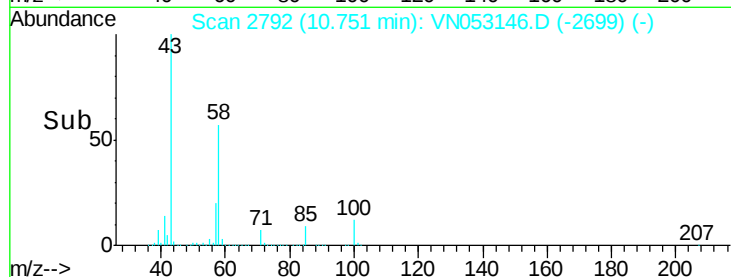
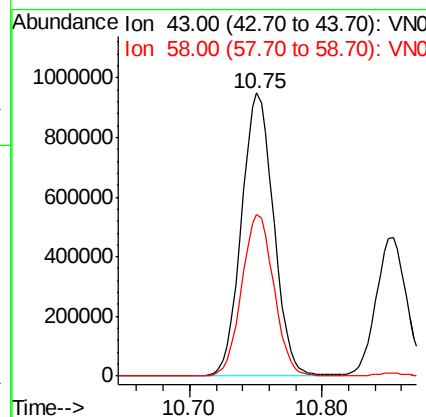
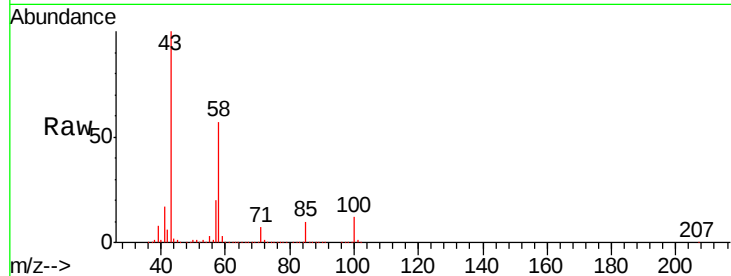
#59  
2-Hexanone  
Concen: 291.616 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 1597440  
Ion Ratio Lower Upper  
43 100  
58 57.2 28.1 84.3

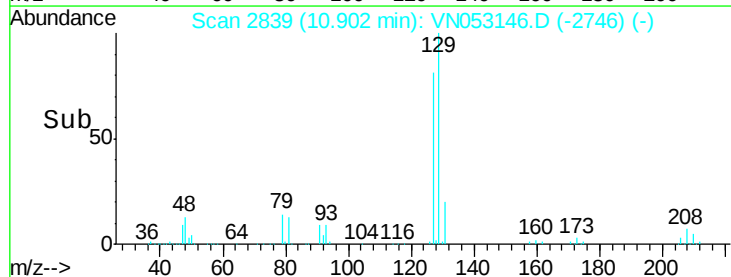
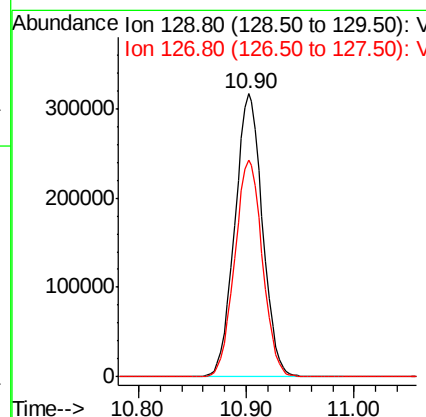
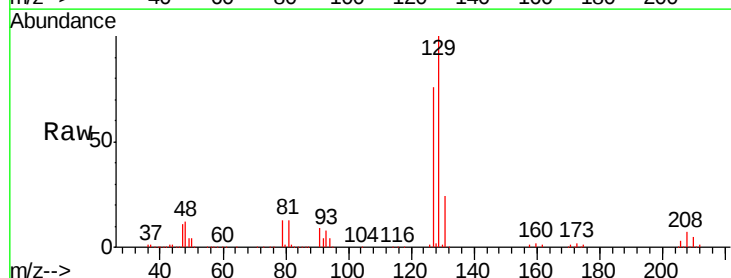
Manual Integrations  
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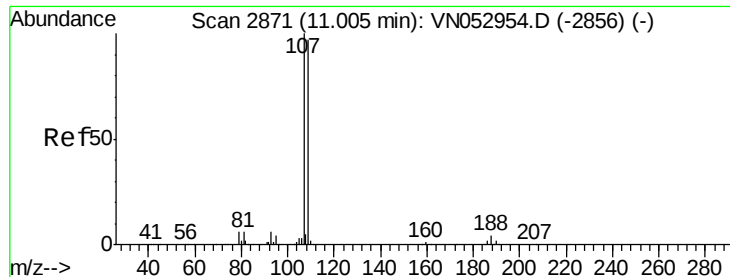
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 51.183 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Tgt Ion: 129 Resp: 564349  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 52.992 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 518421

Ion Ratio Lower Upper

107 100

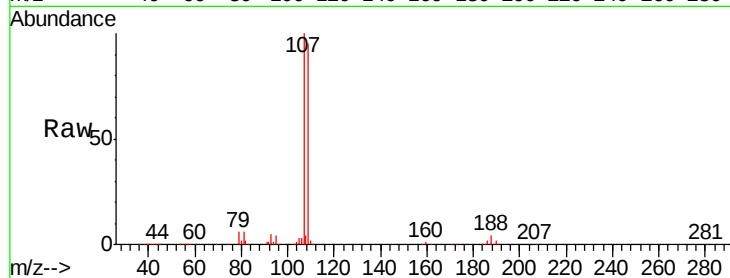
109 94.5 75.4 113.0

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

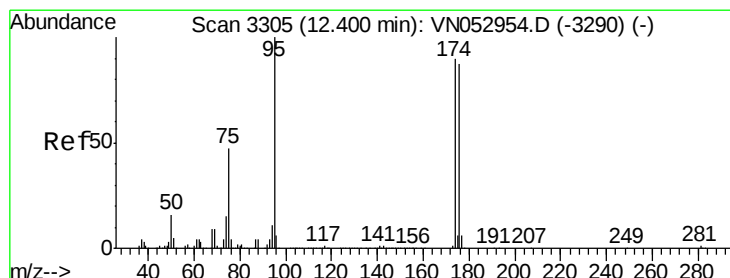
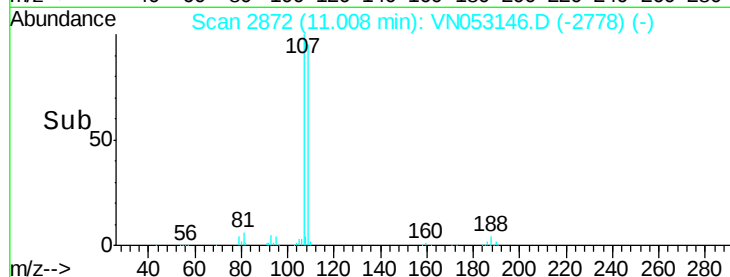
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.992 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

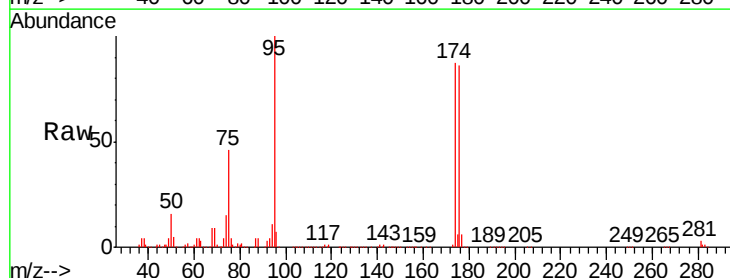
Tgt Ion: 95 Resp: 698839

Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.8

176 86.6 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

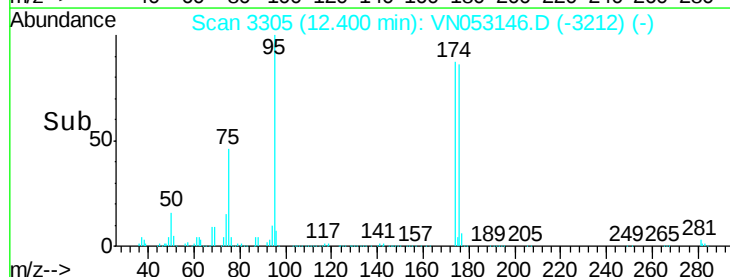
300000

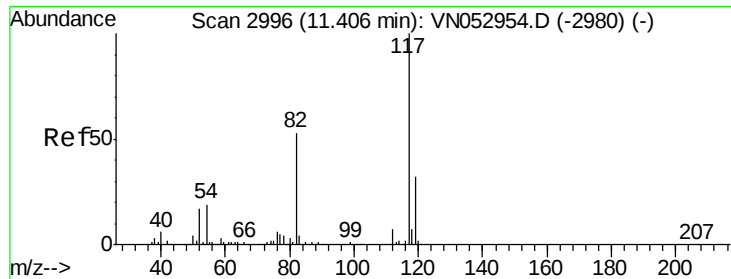
200000

100000

0

Time--> 12.30 12.40 12.50





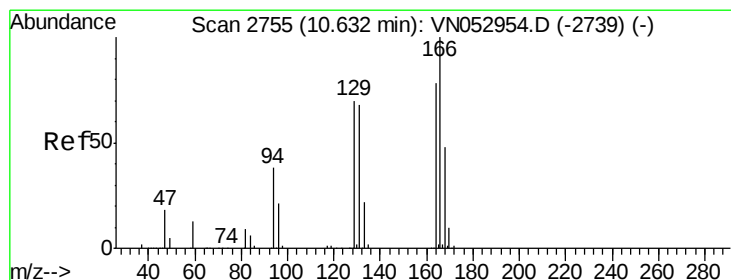
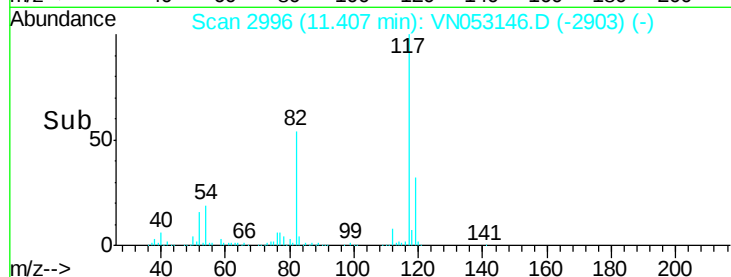
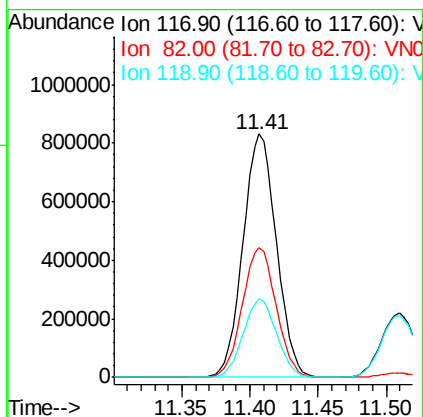
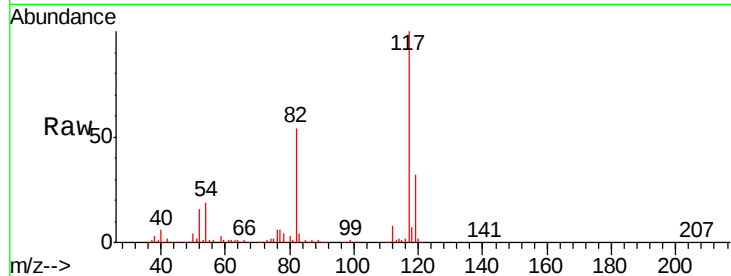
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:117 Resp: 1413552  
Ion Ratio Lower Upper  
117 100  
82 53.5 42.8 64.2  
119 32.0 25.5 38.3

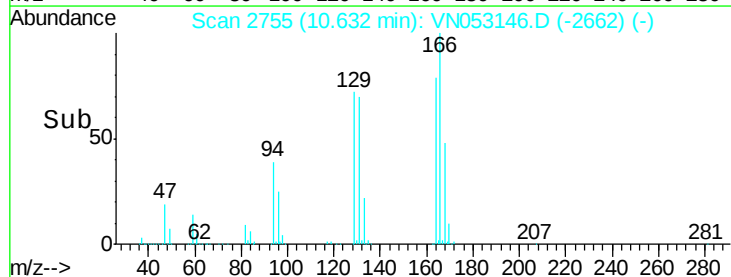
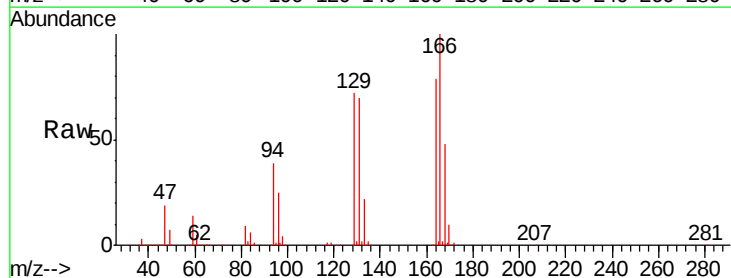
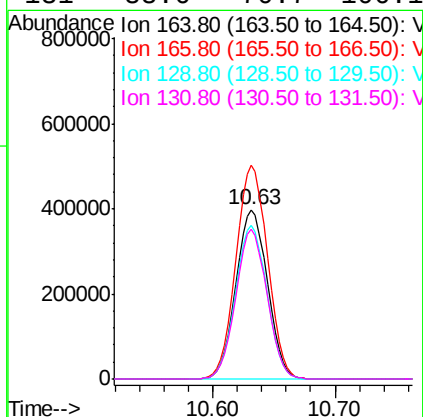
Manual Integrations  
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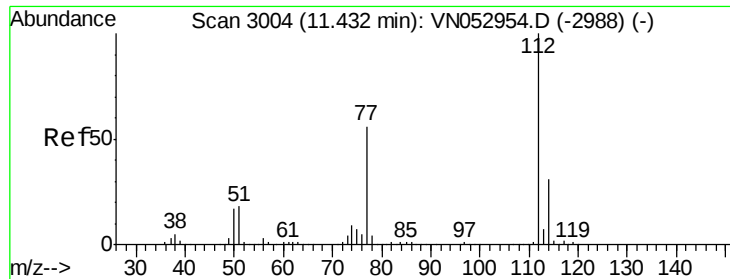
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 46.475 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Tgt Ion:164 Resp: 711622  
Ion Ratio Lower Upper  
164 100  
166 126.3 102.9 154.3  
129 90.7 73.7 110.5  
131 88.6 70.7 106.1





#65

Chlorobenzene

Concen: 51.614 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 1617307

Ion Ratio Lower Upper

112 100

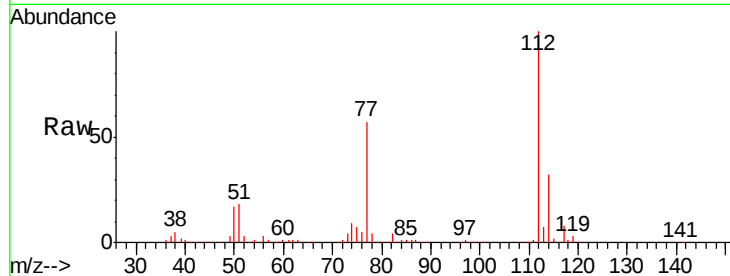
114 32.1 25.5 38.3

Manual Integrations

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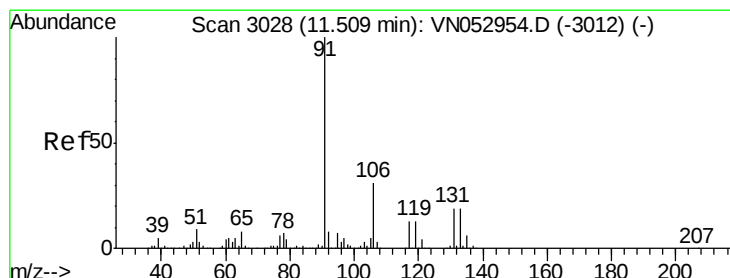
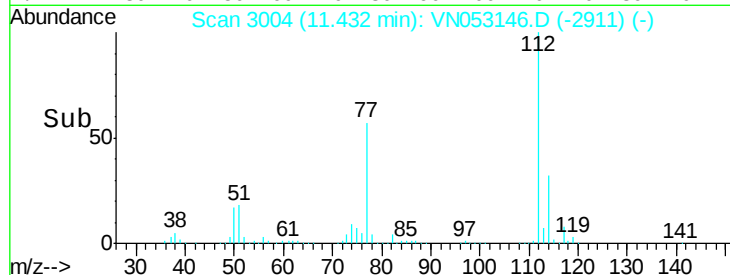
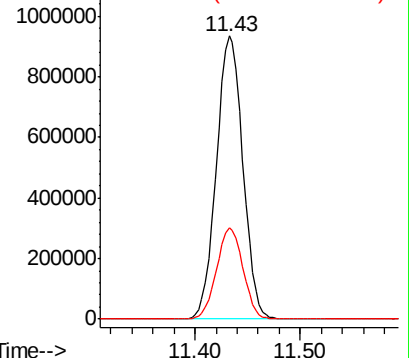
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.317 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

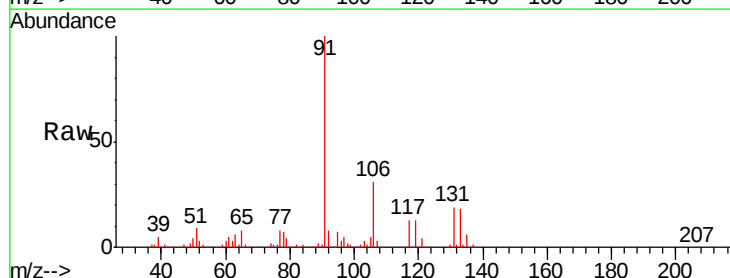
Tgt Ion:131 Resp: 559172

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.9

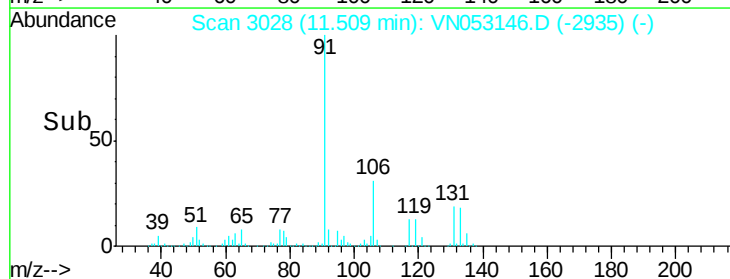
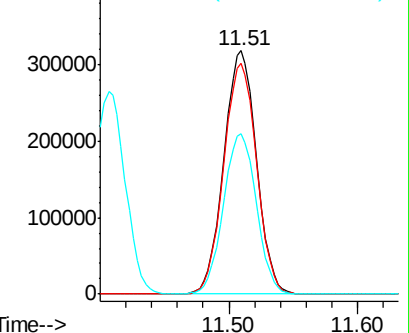
119 66.6 33.3 99.8

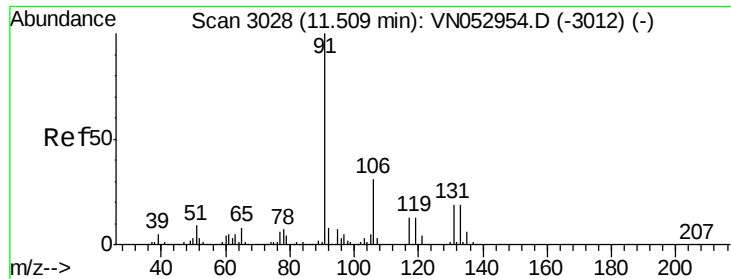


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





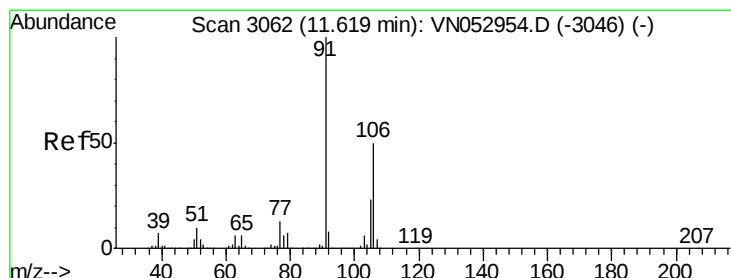
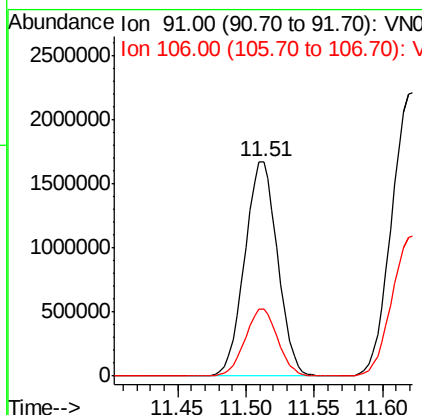
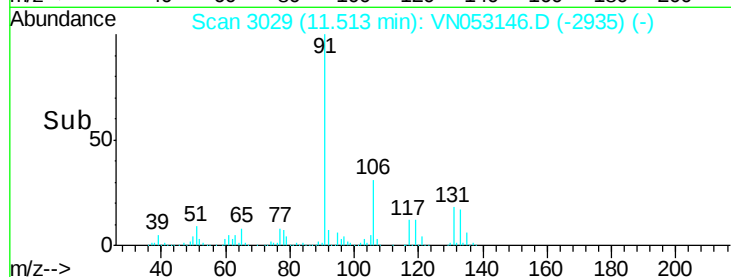
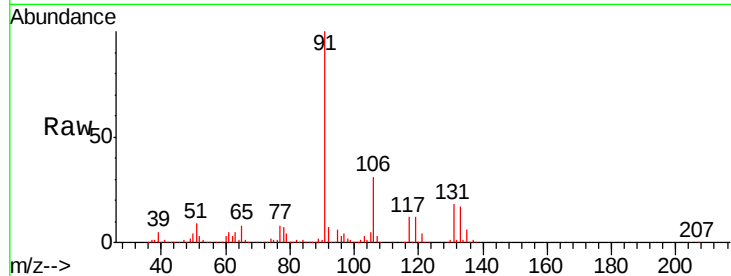
#67  
Ethyl Benzene  
Concen: 51.904 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 91 Resp: 2796976  
Ion Ratio Lower Upper  
91 100  
106 31.2 24.9 37.3

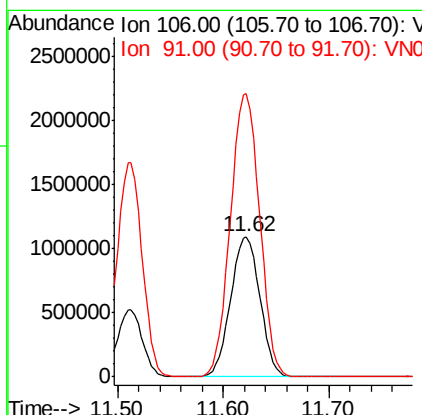
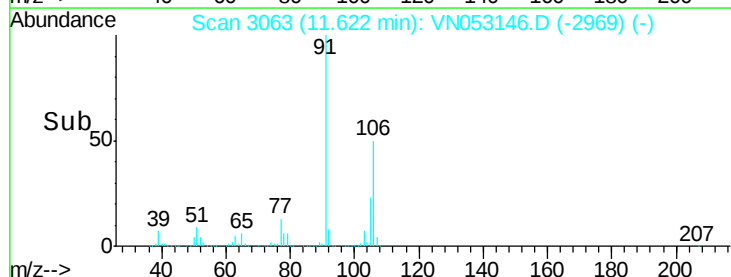
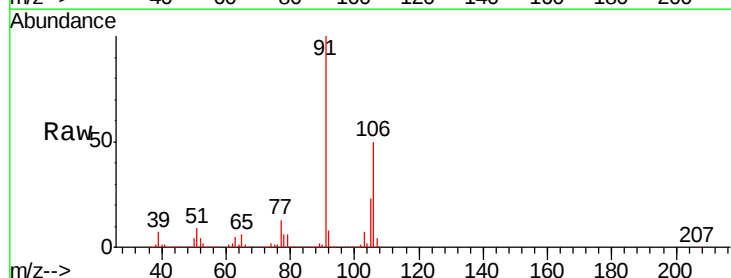
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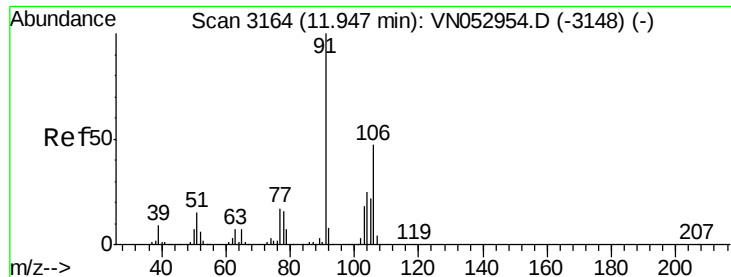
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#68  
m/p-Xylenes  
Concen: 102.700 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Tgt Ion: 106 Resp: 2103861  
Ion Ratio Lower Upper  
106 100  
91 201.6 162.2 243.4





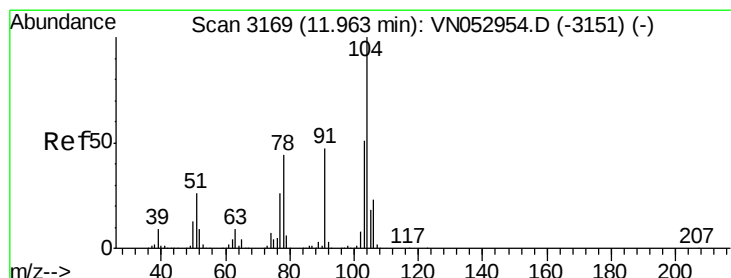
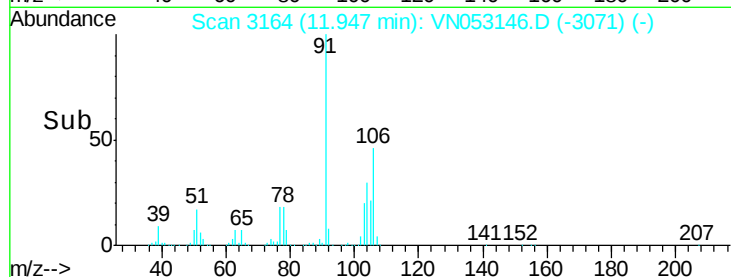
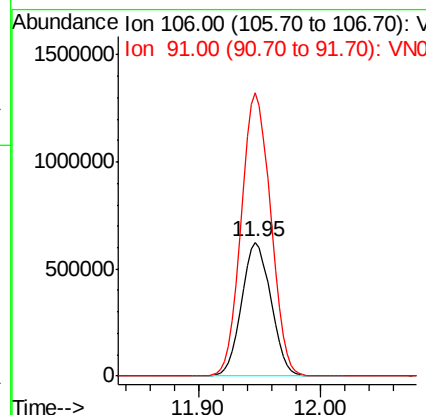
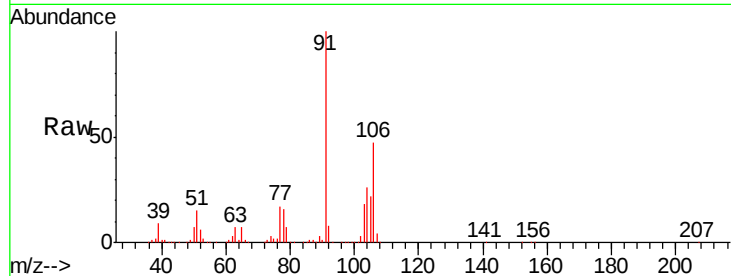
#69  
o-Xylene  
Concen: 52.784 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:106 Resp: 1037598  
Ion Ratio Lower Upper  
106 100  
91 212.5 106.6 319.8

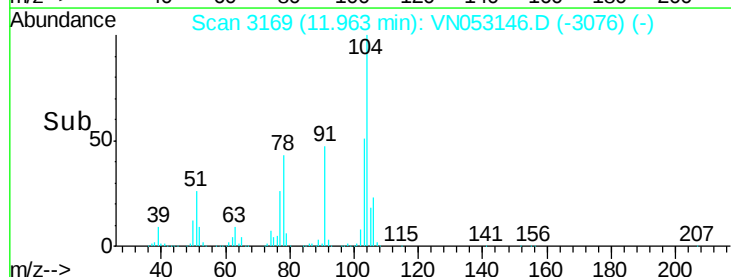
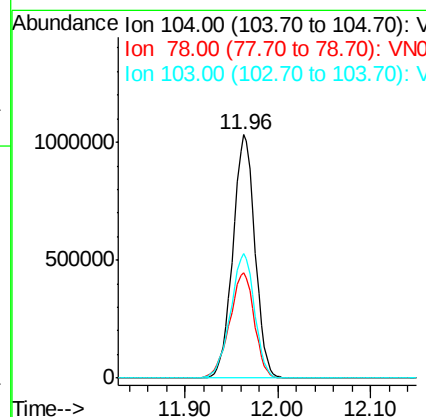
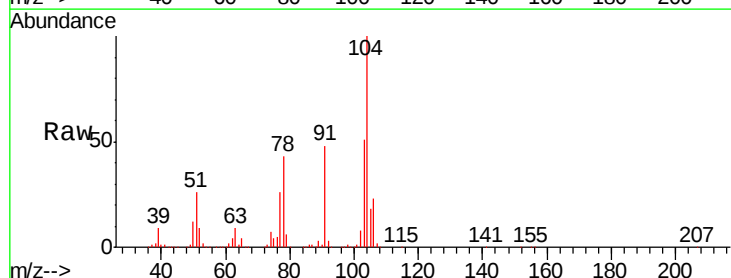
Manual Integrations  
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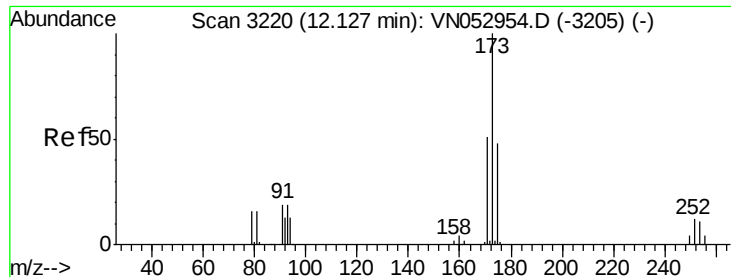
MMDadoda  
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#70  
Styrene  
Concen: 53.125 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Tgt Ion:104 Resp: 1702861  
Ion Ratio Lower Upper  
104 100  
78 48.4 38.9 58.3  
103 55.7 44.3 66.5





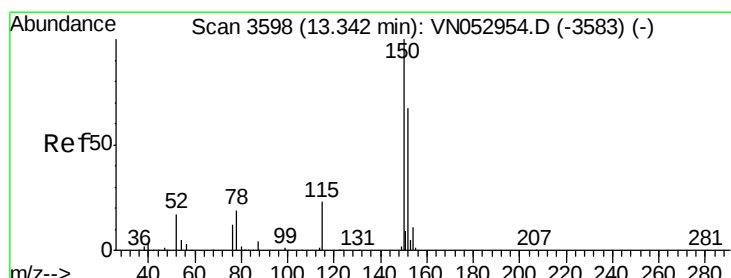
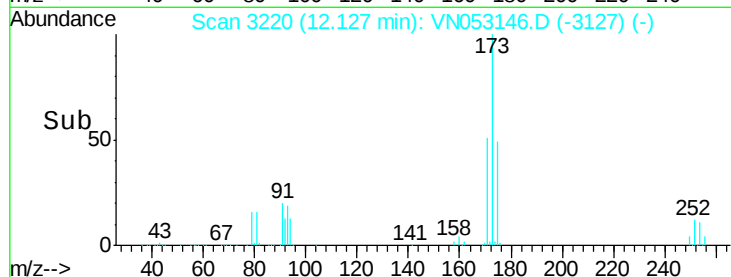
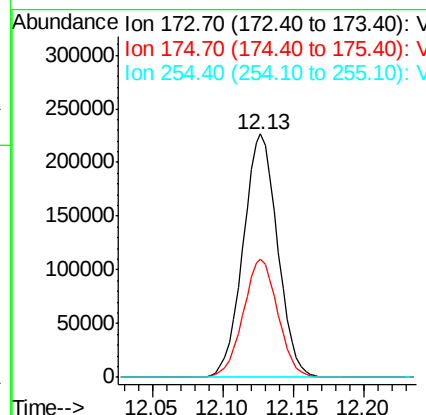
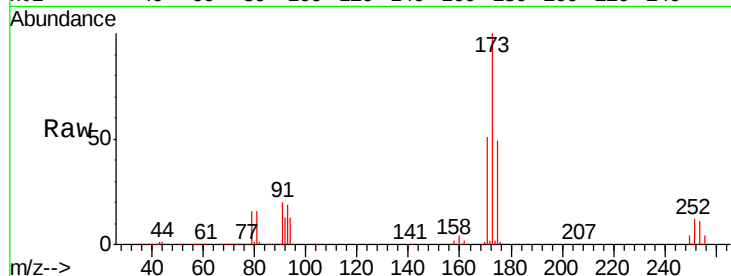
#71  
Bromoform  
Concen: 49.127 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.8  | 24.3  | 72.9  |
| 254     | 0.1   | 0.1   | 0.1   |

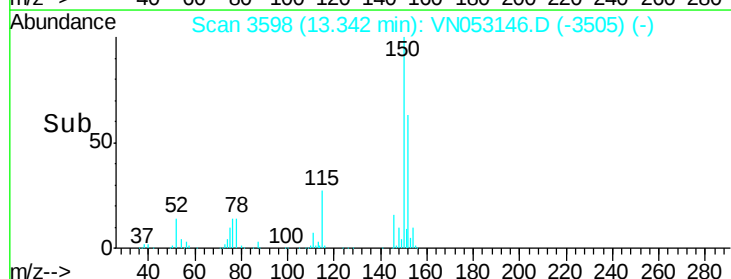
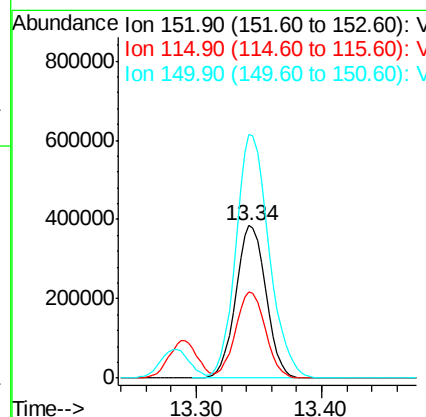
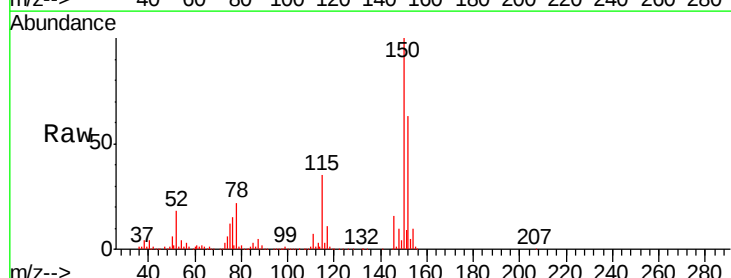
Manual Integrations  
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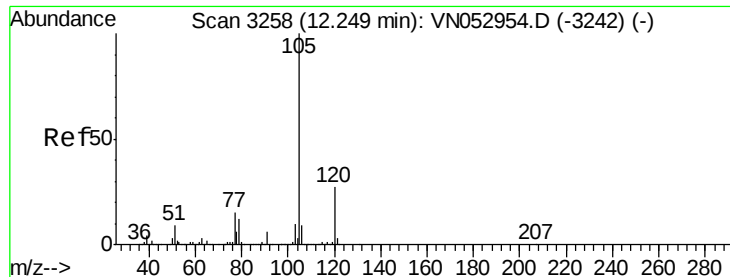
MMDadoda  
12/24/2018 9:11:14 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.2  | 28.3  | 85.0  |
| 150     | 175.6 | 0.0   | 347.8 |





#73

Isopropylbenzene

Concen: 54.231 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 2722574

Ion Ratio Lower Upper

105 100

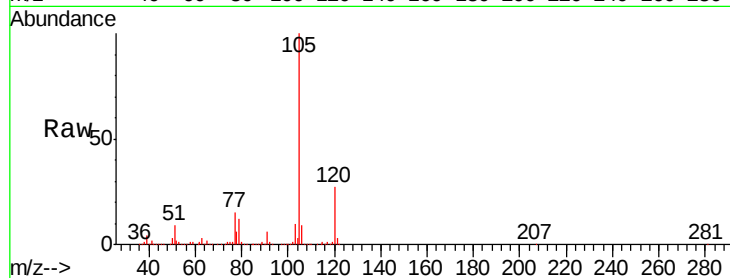
120 26.5 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V

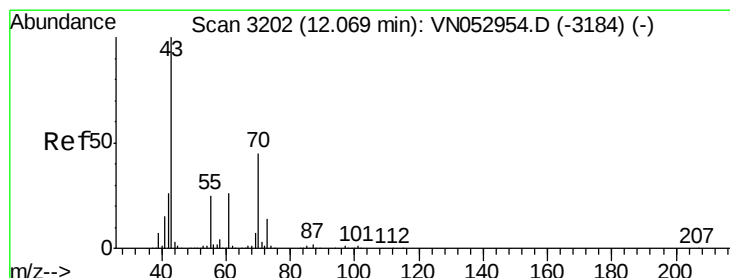
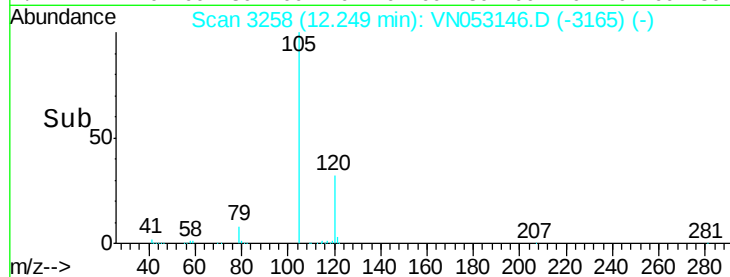
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 57.870 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Tgt Ion: 43 Resp: 806617

Ion Ratio Lower Upper

43 100

70 43.6 34.2 51.4

55 24.6 20.3 30.5

61 25.2 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): V

800000 Ion 70.00 (69.70 to 70.70): V

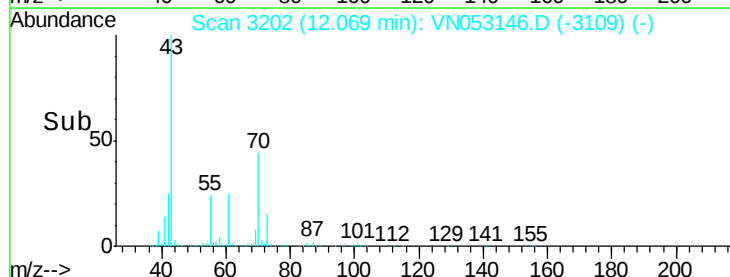
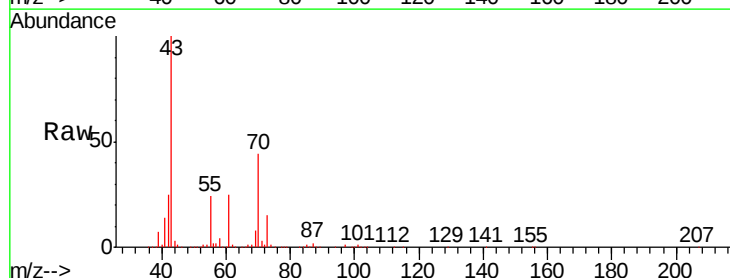
600000 Ion 55.00 (54.70 to 55.70): V

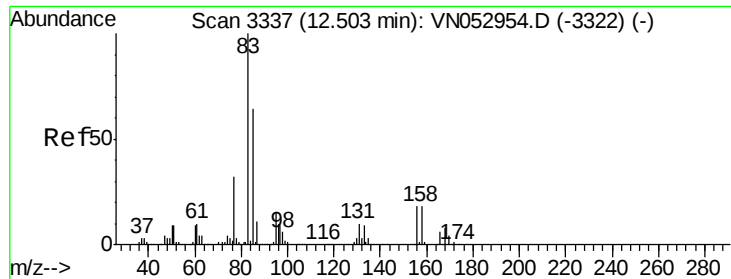
400000 Ion 61.00 (60.70 to 61.70): V

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 60.571 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 596572  
Ion Ratio Lower Upper

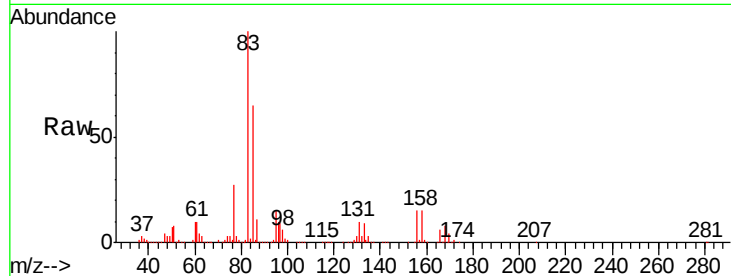
83 100

131 10.3 5.2 15.6

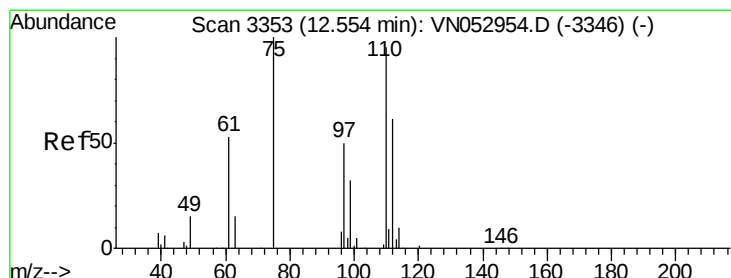
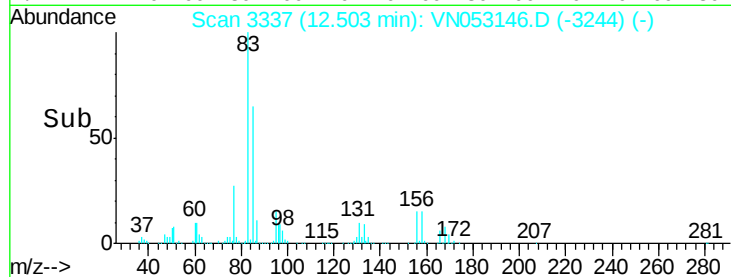
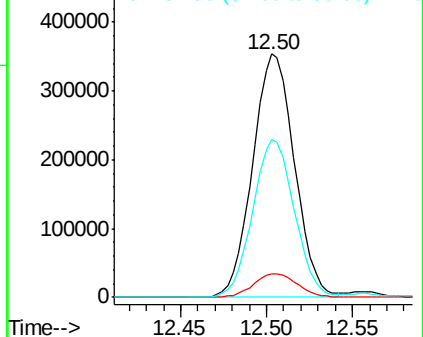
85 64.6 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN053146.D (-3322) (-)  
Ion 130.80 (130.50 to 131.50): VN053146.D (-3322) (-)  
Ion 84.90 (84.60 to 85.60): VN053146.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 48.675 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

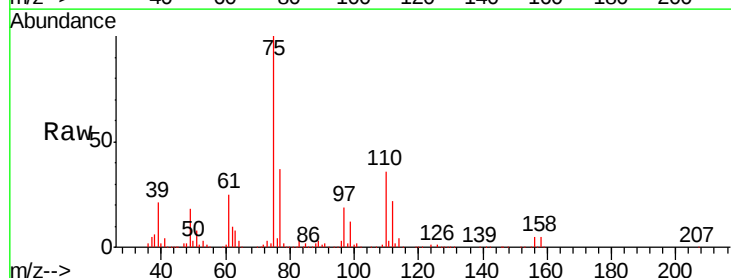
Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

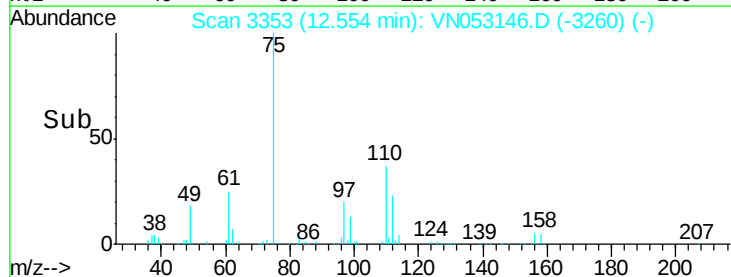
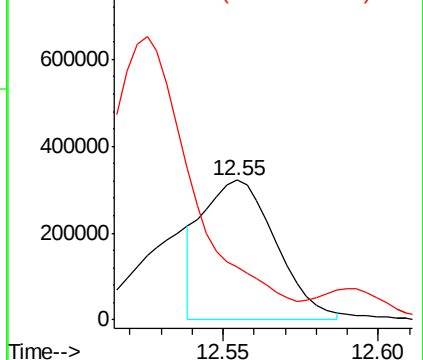
Tgt Ion: 75 Resp: 525766  
Ion Ratio Lower Upper

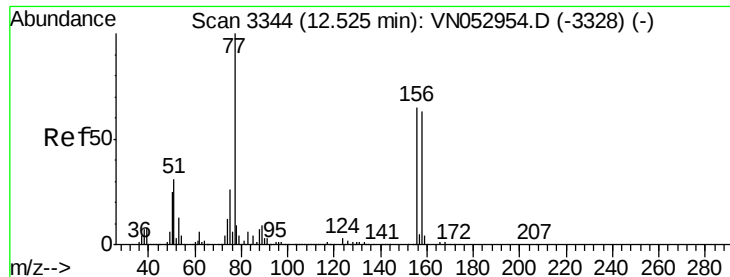
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053146.D (-3346) (-)  
Ion 77.00 (76.70 to 77.70): VN053146.D (-3346) (-)





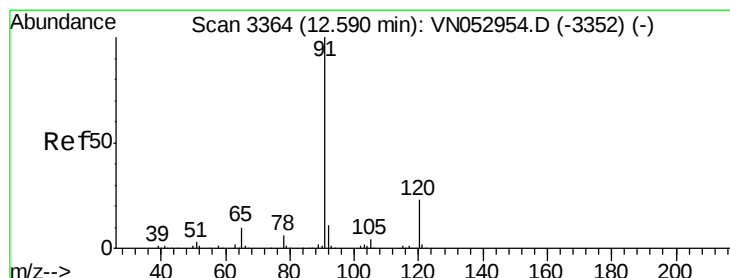
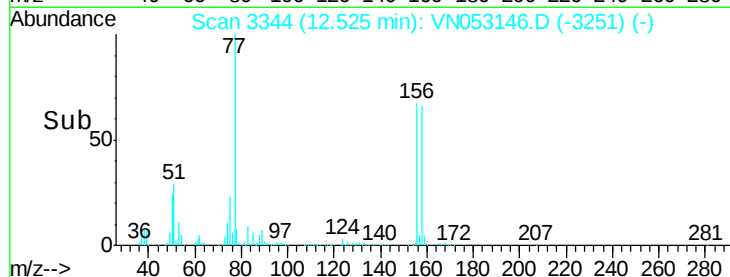
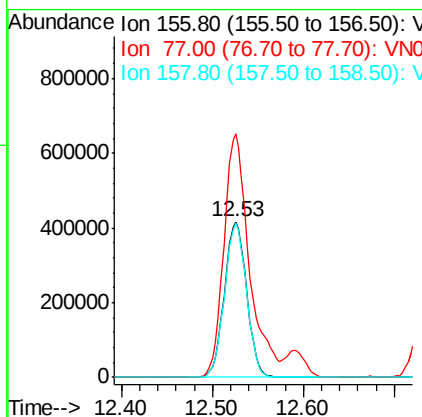
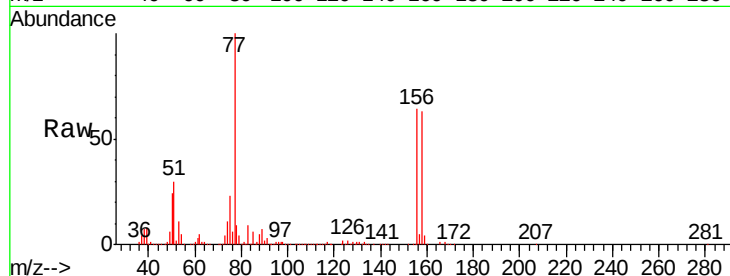
#77  
Bromobenzene  
Concen: 54.305 ug/l  
RT: 12.53 min Scan# 3344  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 178.6 | 91.3  | 273.8 |
| 158     | 97.4  | 49.0  | 147.2 |

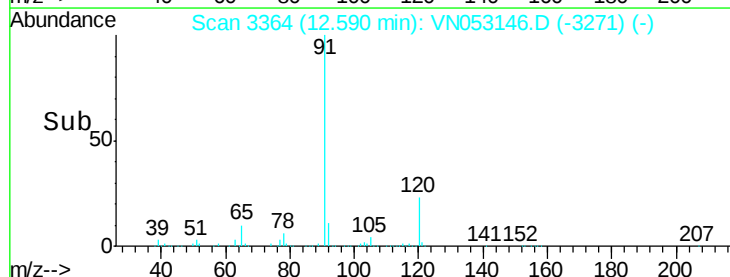
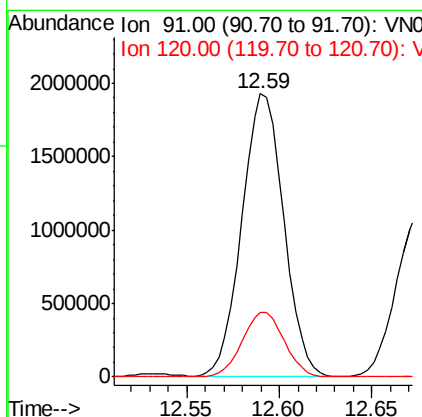
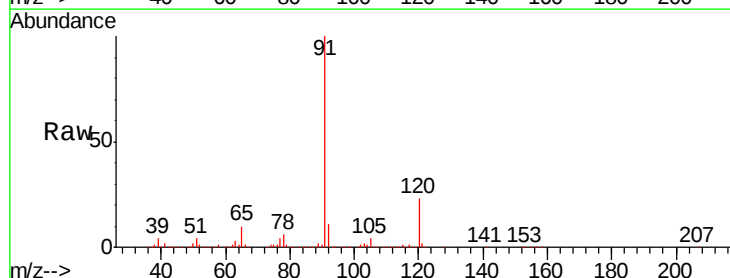
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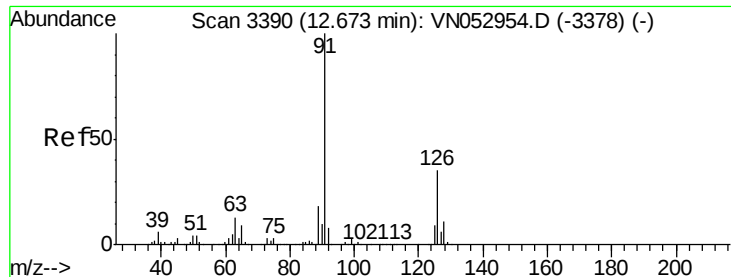
MMDadoda  
12/24/2018 9:11:14 AM



#78  
n-propylbenzene  
Concen: 53.042 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.1  | 11.5  | 34.5  |





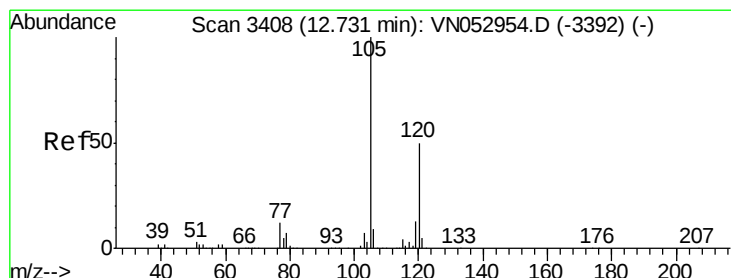
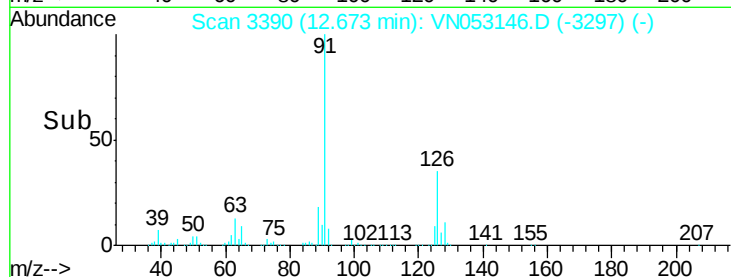
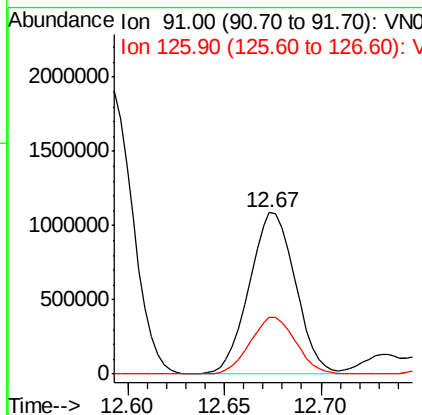
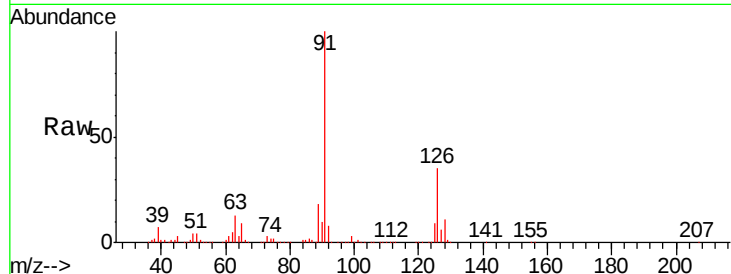
#79  
 2-Chlorotoluene  
 Concen: 51.156 ug/l  
 RT: 12.67 min Scan# 3390  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 91 Resp: 1813032  
 Ion Ratio Lower Upper  
 91 100  
 126 34.9 17.4 52.3

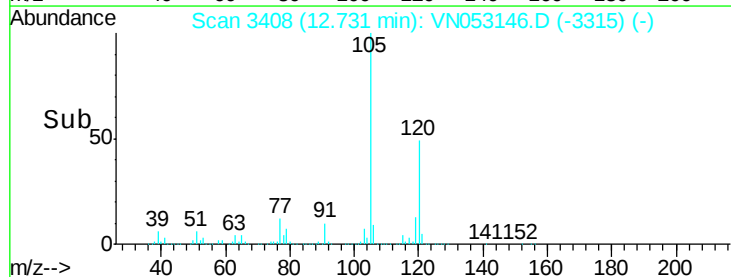
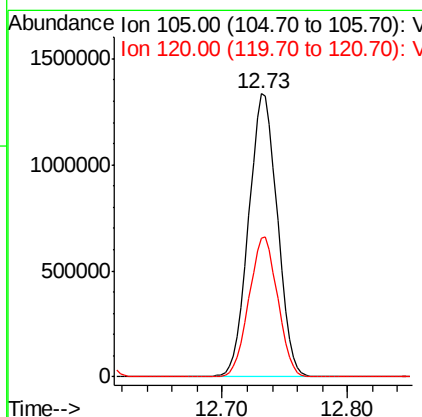
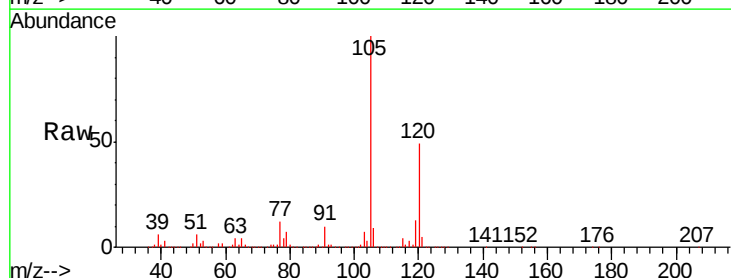
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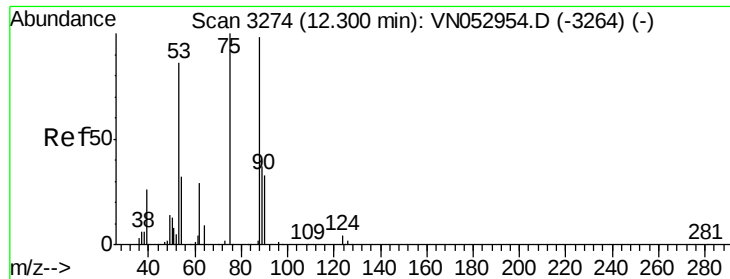
MMDadoda  
 12/24/2018 9:11:14 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 51.745 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Tgt Ion: 105 Resp: 2117423  
 Ion Ratio Lower Upper  
 105 100  
 120 49.4 24.4 73.2





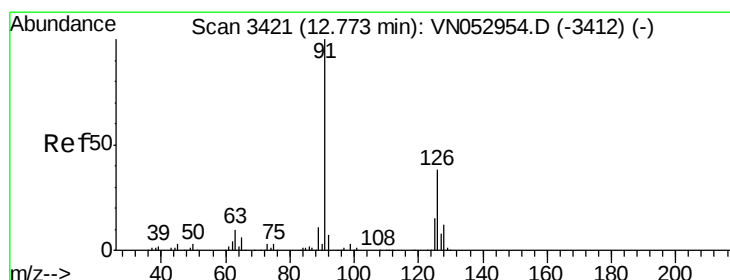
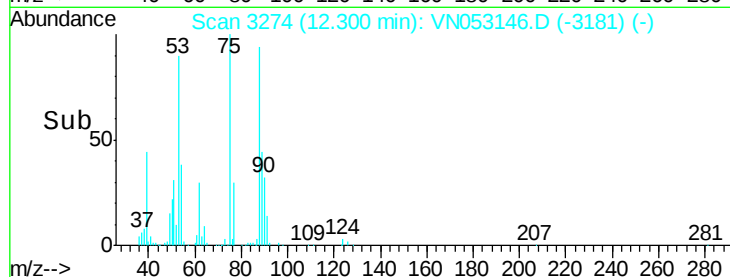
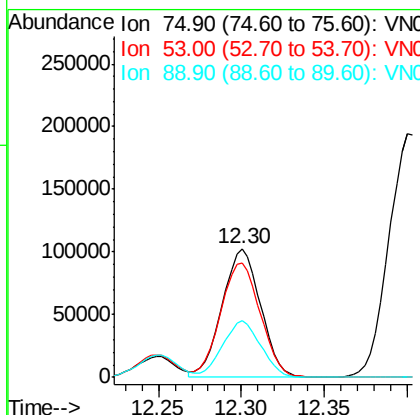
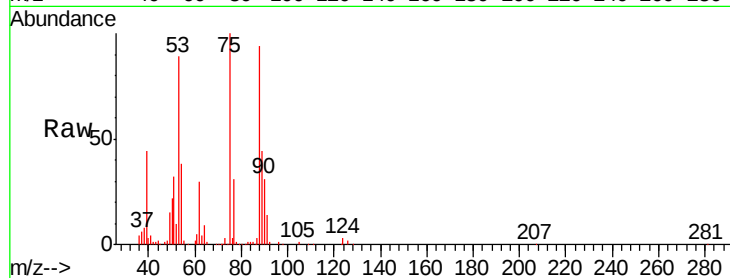
#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.598 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 92.4  | 74.7  | 112.1 |
| 89      | 43.7  | 36.1  | 54.1  |

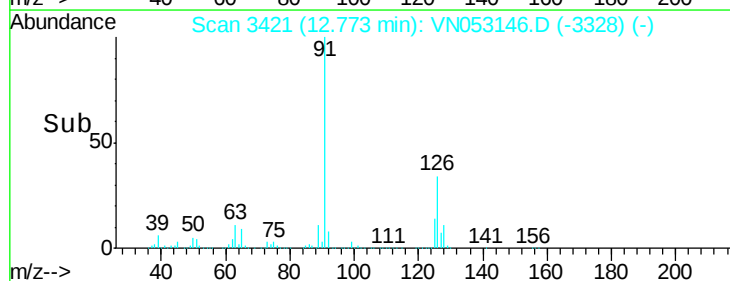
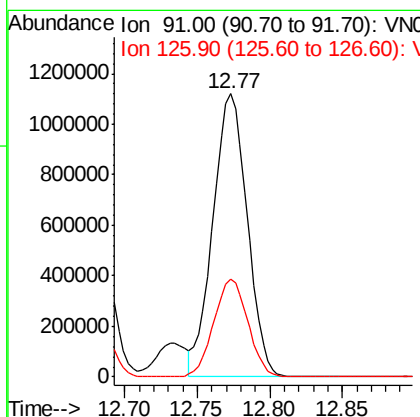
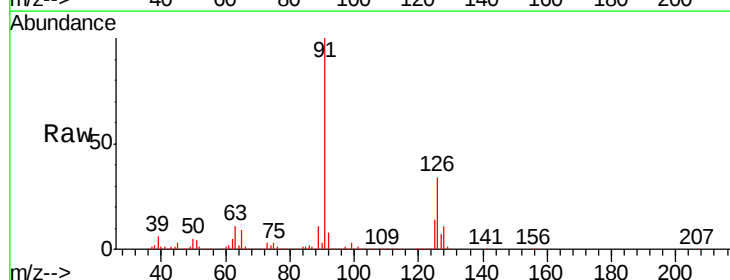
Manual Integrations  
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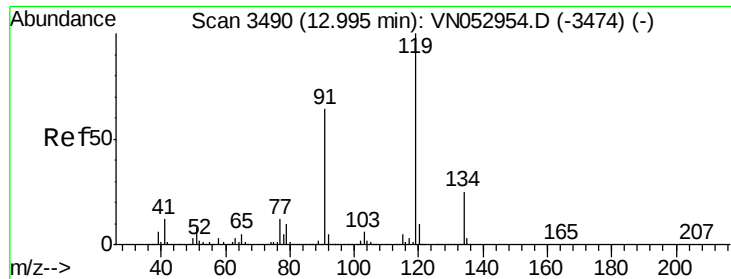
MMDadoda  
12/24/2018 9:11:14 AM



#82  
4-Chlorotoluene  
Concen: 52.949 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.3  | 17.3  | 51.7  |





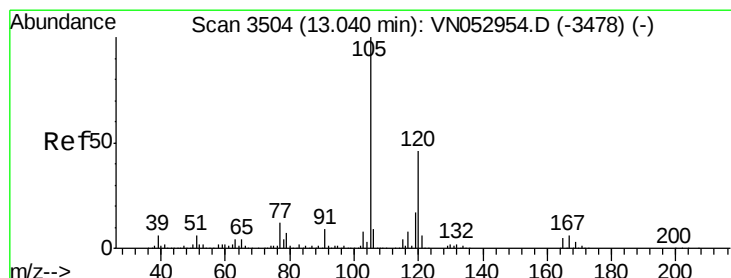
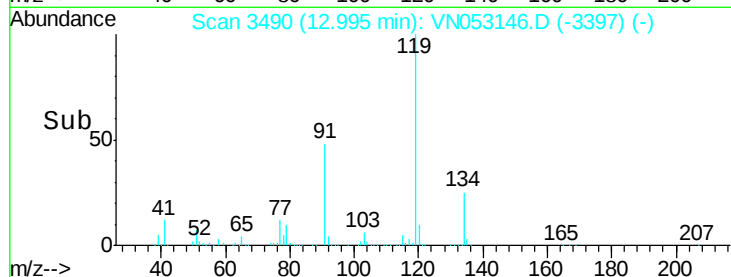
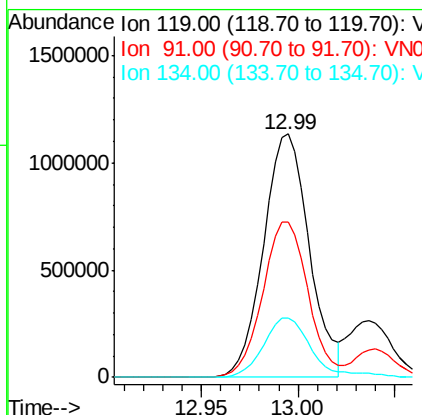
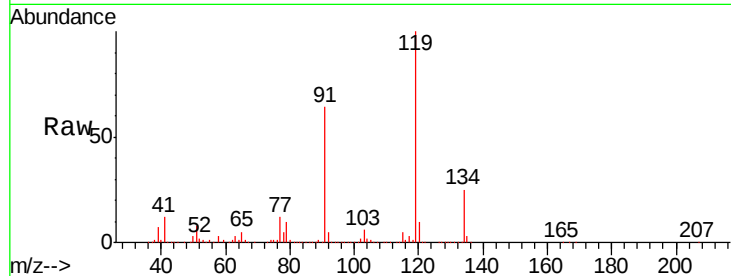
#83  
 tert-Butylbenzene  
 Concen: 51.660 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:119 Resp: 1869586  
 Ion Ratio Lower Upper  
 119 100  
 91 62.8 31.9 95.5  
 134 25.7 12.8 38.4

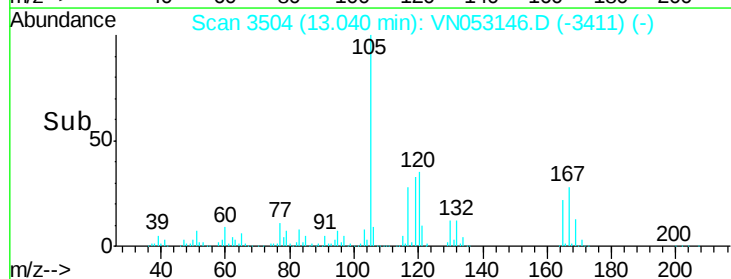
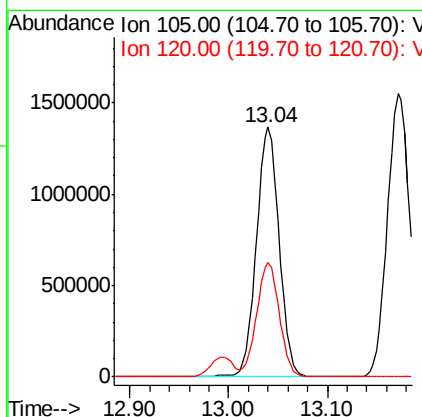
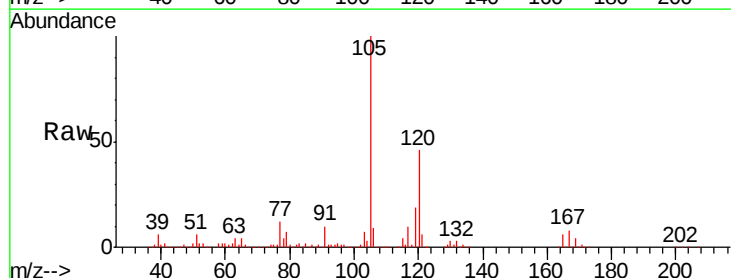
Manual Integrations  
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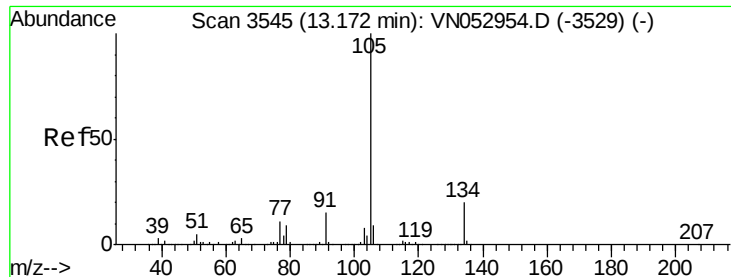
MMDadoda  
 12/24/2018 9:11:14 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.506 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Tgt Ion:105 Resp: 2159891  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 22.9 68.8





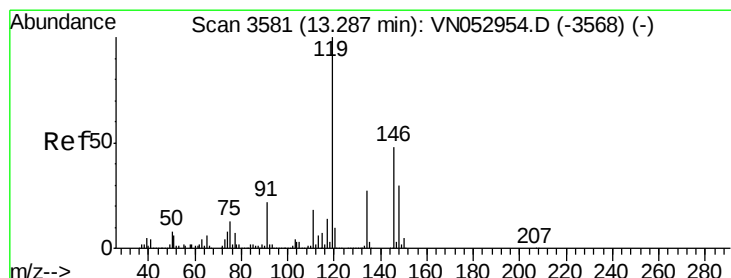
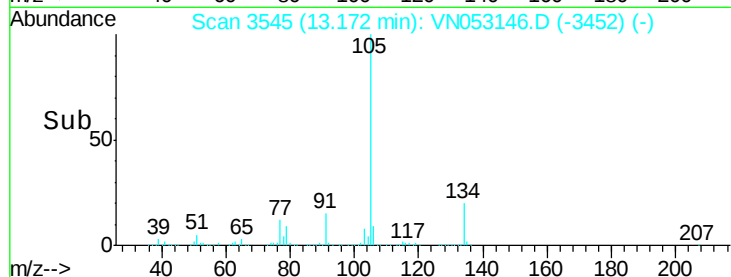
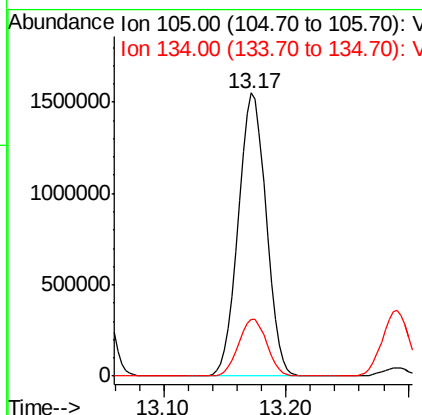
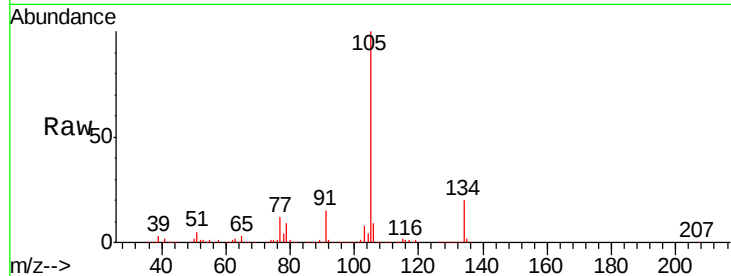
#85  
 sec-Butylbenzene  
 Concen: 49.831 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:105 Resp: 2439250  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 10.1 30.3

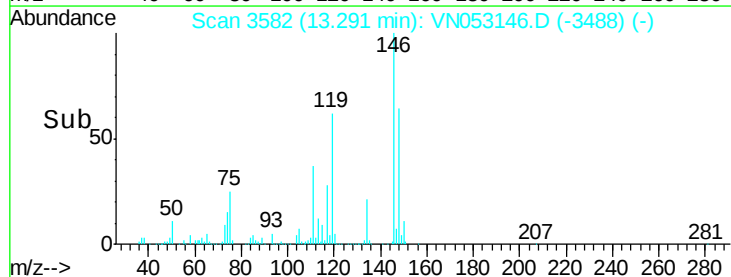
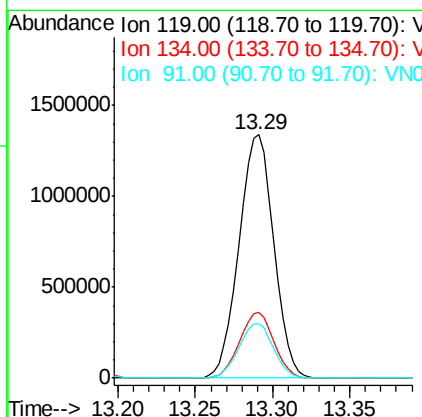
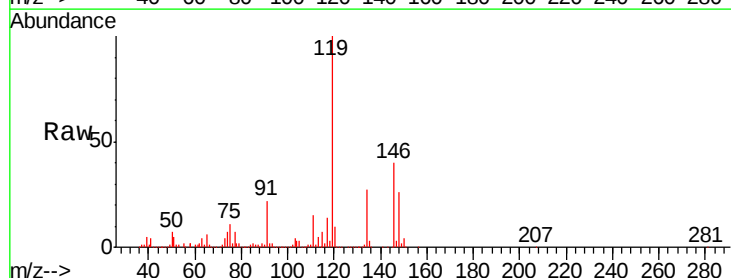
Manual Integrations  
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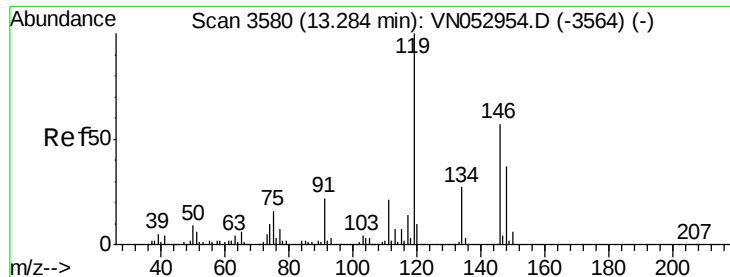
MMDadoda  
 12/24/2018 9:11:14 AM



#86  
 p-Isopropyltoluene  
 Concen: 49.464 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Tgt Ion:119 Resp: 2092213  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.4 40.2  
 91 22.3 11.1 33.3





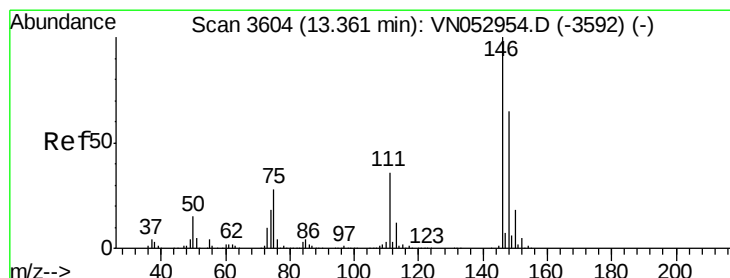
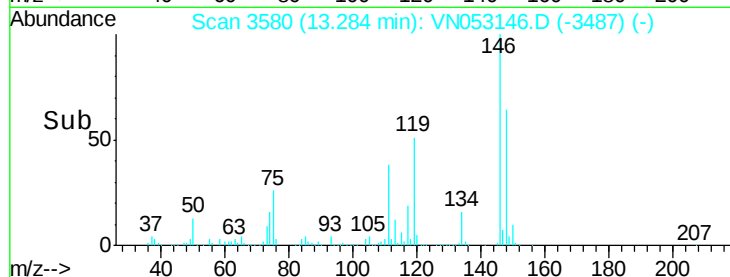
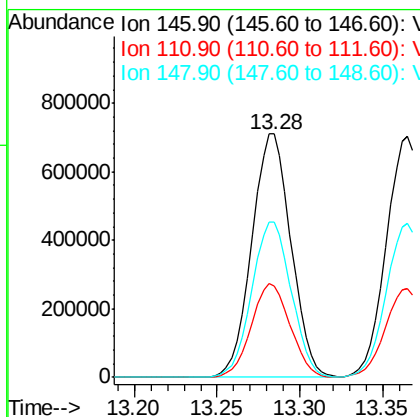
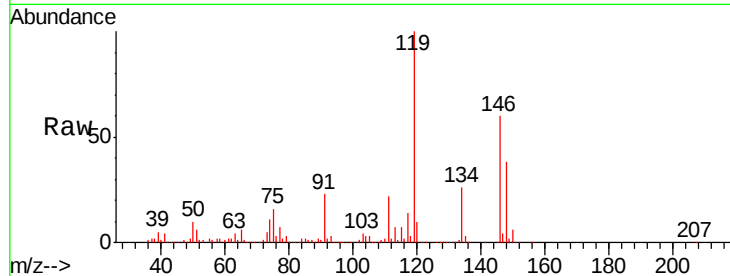
#87  
 1,3-Dichlorobenzene  
 Concen: 50.561 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion:146 Resp: 1167808  
 Ion Ratio Lower Upper  
 146 100  
 111 38.2 19.1 57.1  
 148 64.2 32.0 96.0

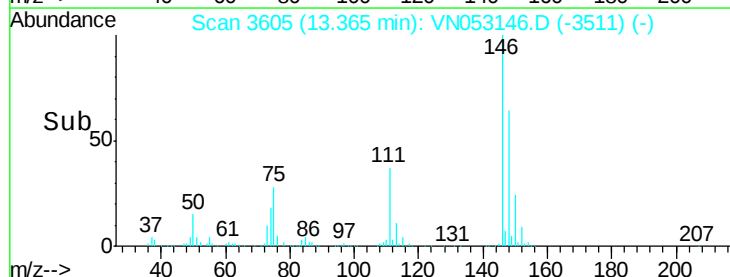
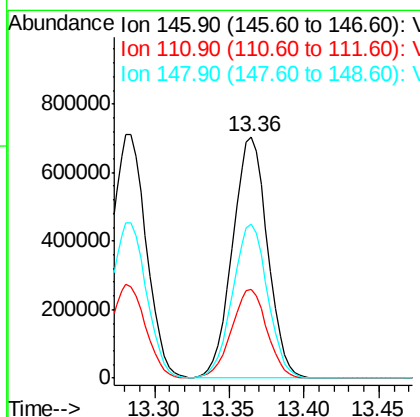
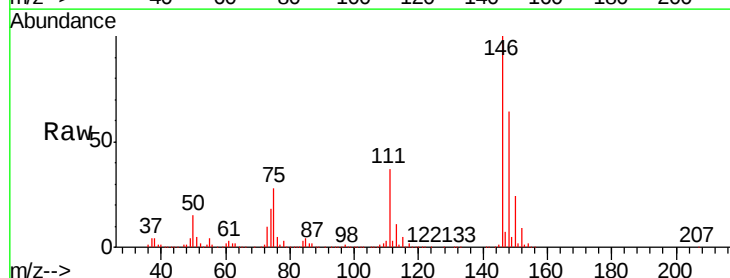
Manual Integrations  
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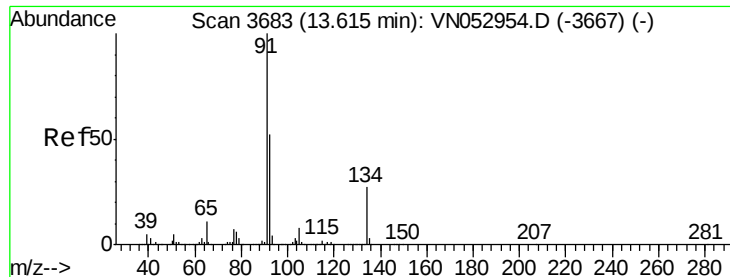
MMDadoda  
 12/24/2018 9:11:14 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 49.007 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Tgt Ion:146 Resp: 1146281  
 Ion Ratio Lower Upper  
 146 100  
 111 37.1 18.6 55.8  
 148 64.1 32.1 96.5





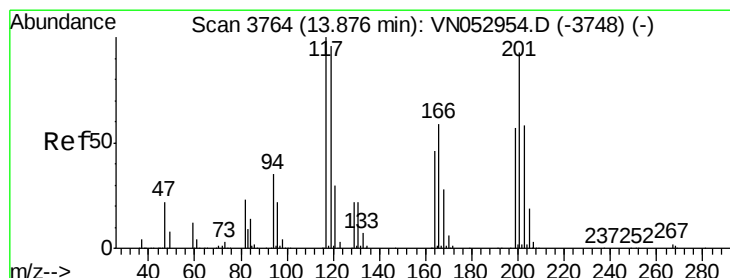
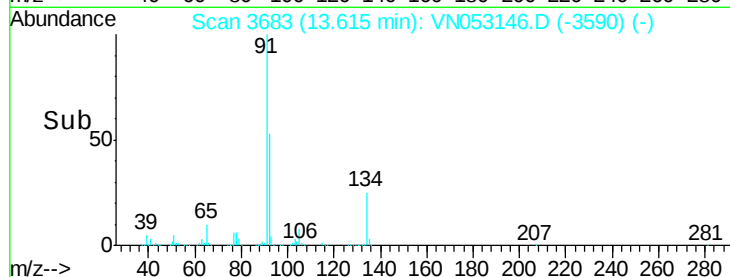
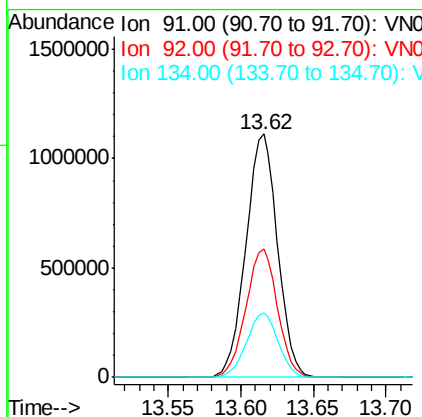
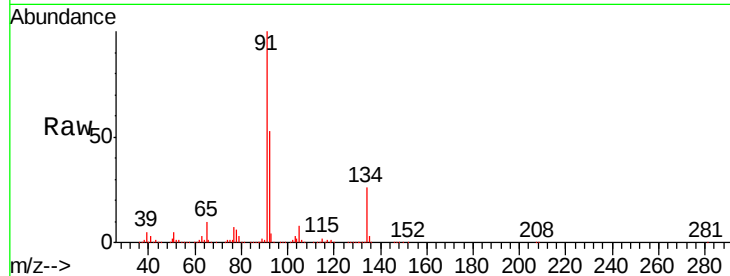
#89  
n-Butylbenzene  
Concen: 46.368 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.7  | 26.3  | 78.9  |
| 134     | 26.4  | 13.3  | 39.8  |

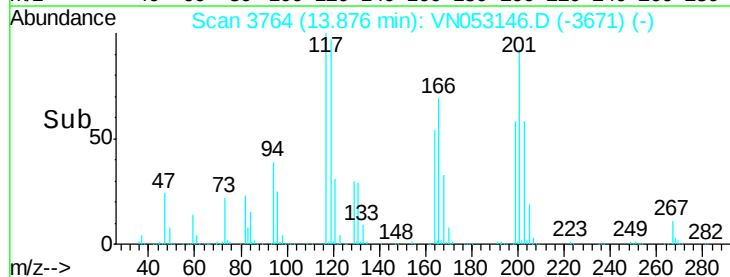
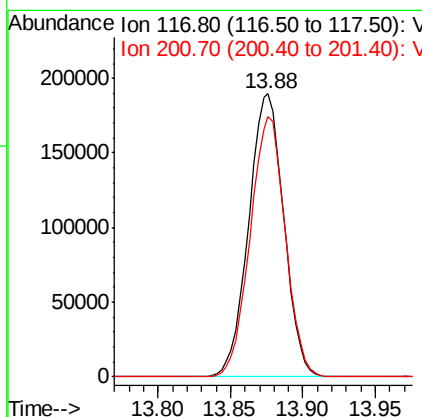
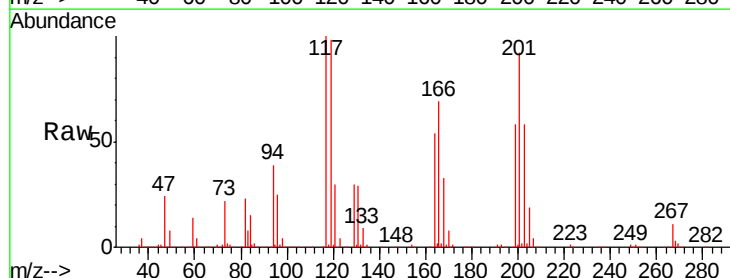
Manual Integrations  
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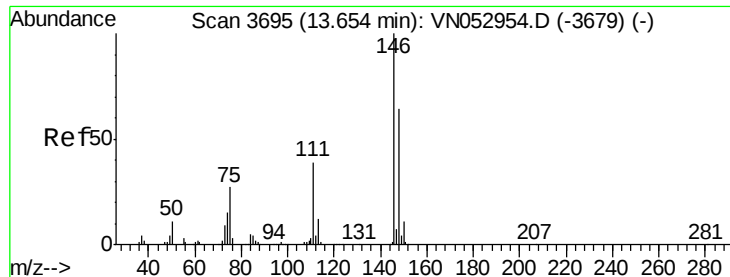
MMDadoda  
12/24/2018 9:11:14 AM



#90  
Hexachloroethane  
Concen: 49.408 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN053146.D  
Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 91.6  | 45.7  | 137.1 |





#91

1,2-Dichlorobenzene

Concen: 50.017 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 1087258

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.0

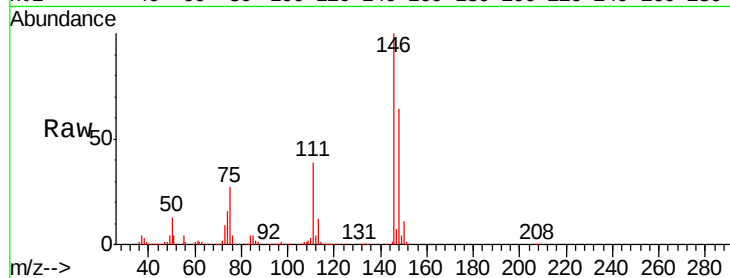
148 63.8 32.0 96.0

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

800000

600000

400000

200000

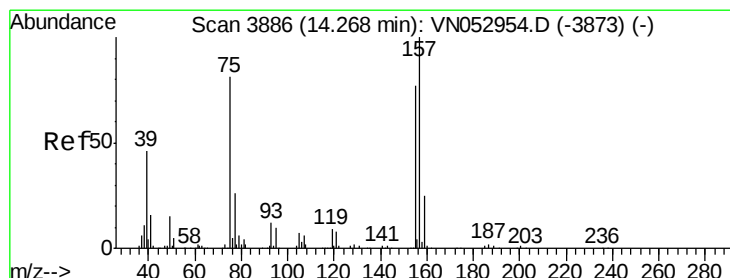
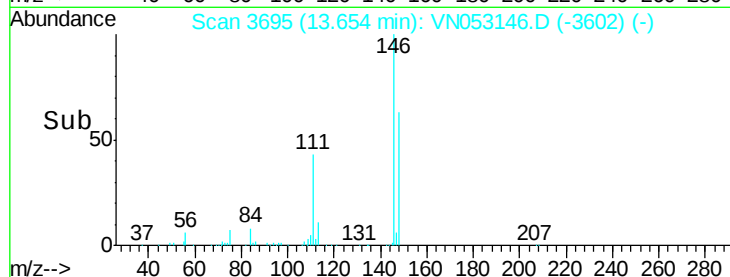
0

13.65

13.60

13.70

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.297 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

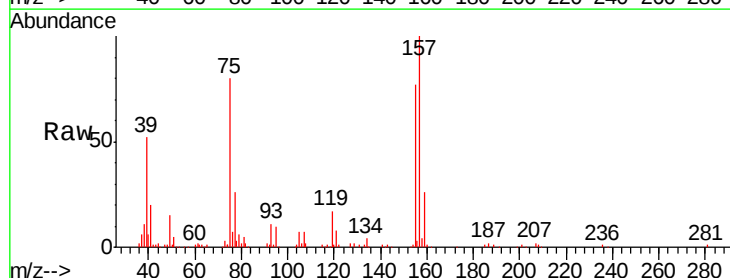
Tgt Ion: 75 Resp: 80546

Ion Ratio Lower Upper

75 100

155 98.2 48.2 144.6

157 127.1 61.2 183.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

80000

60000

40000

20000

0

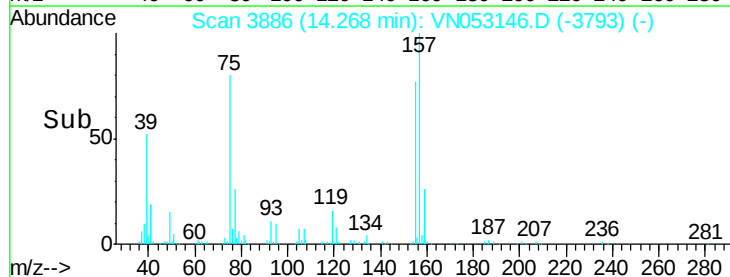
14.27

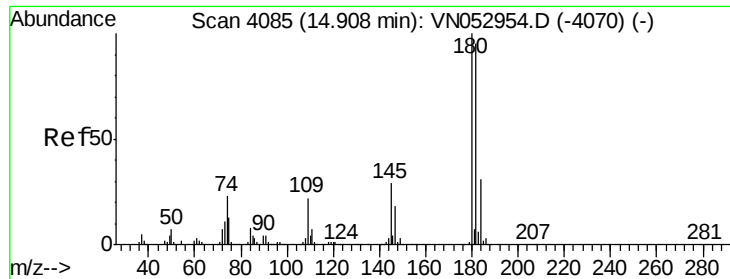
14.20

14.30

14.35

Time-->





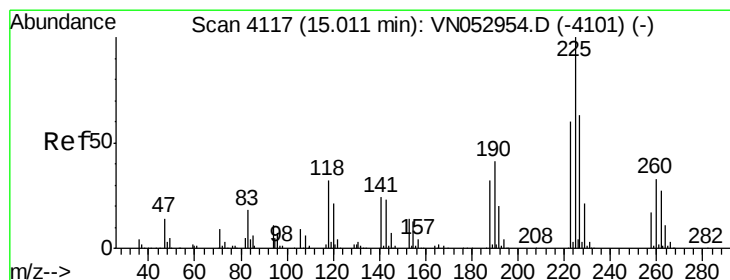
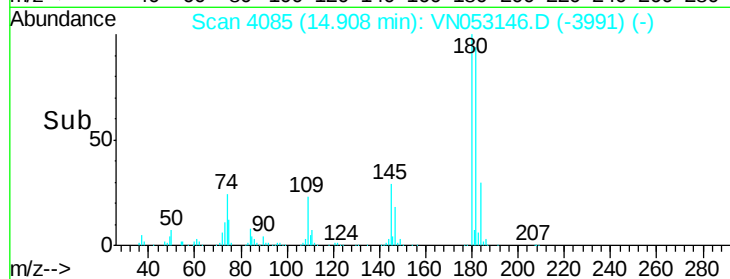
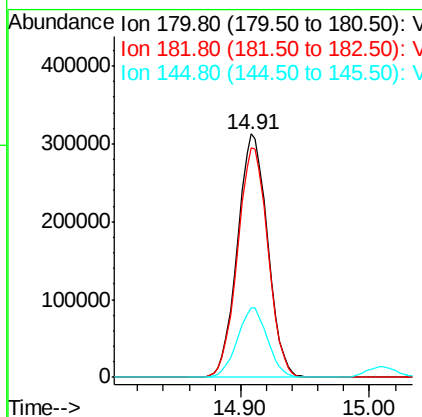
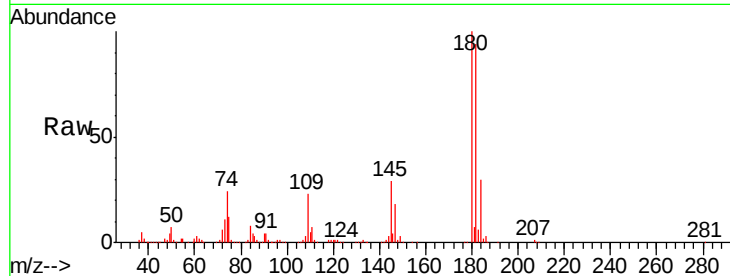
#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.182 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 508021 |       |       |
| 182     | 95.1  | 47.8   | 143.3 |       |
| 145     | 28.5  | 14.2   | 42.6  |       |

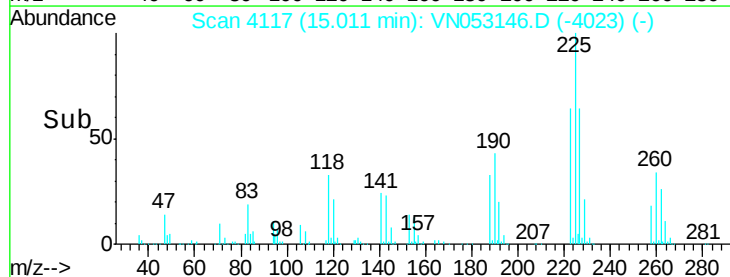
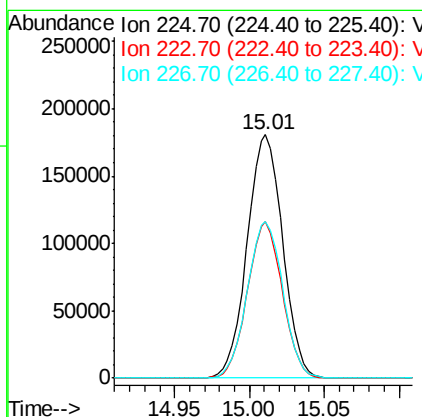
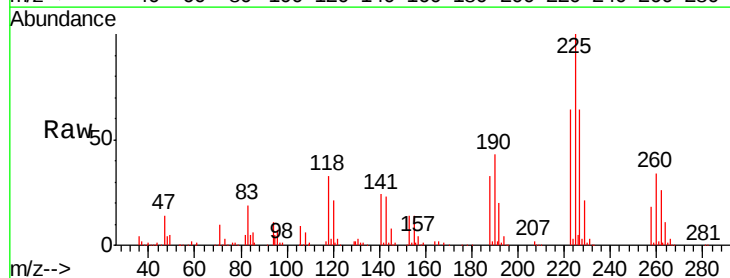
Manual Integrations  
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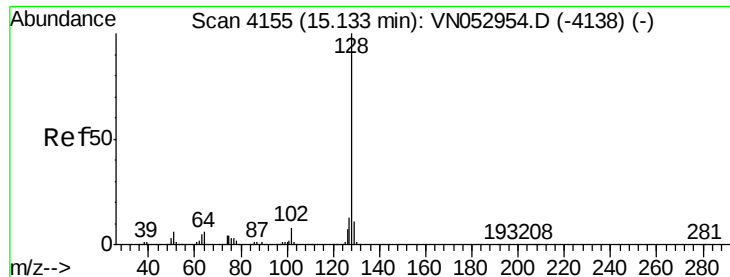
MMDadoda  
 12/24/2018 9:11:14 AM



#94  
 Hexachlorobutadiene  
 Concen: 50.156 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053146.D  
 Acq: 22 Dec 2018 21:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 299031 |       |       |
| 223     | 62.8  | 31.5   | 94.5  |       |
| 227     | 64.4  | 31.9   | 95.7  |       |





#95

Naphthalene

Concen: 46.100 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 1160701

Ion Ratio Lower Upper

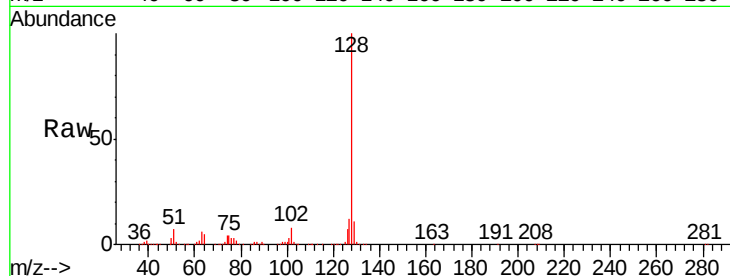
128 100

127 12.7 10.2 15.4

129 11.0 8.6 13.0

Manual Integrations  
APPROVED

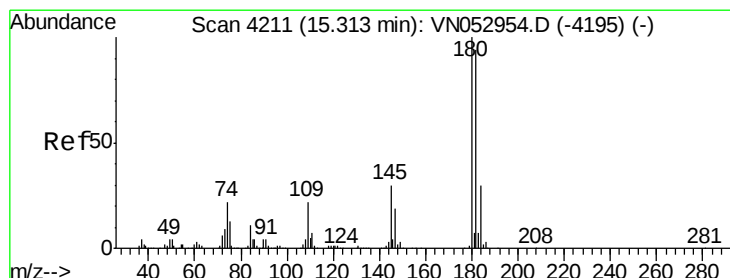
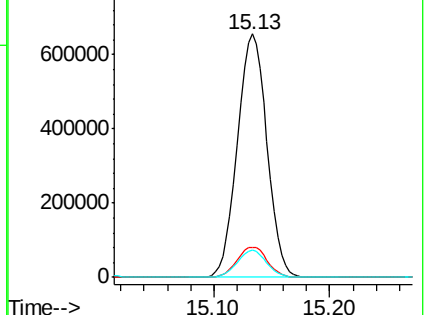
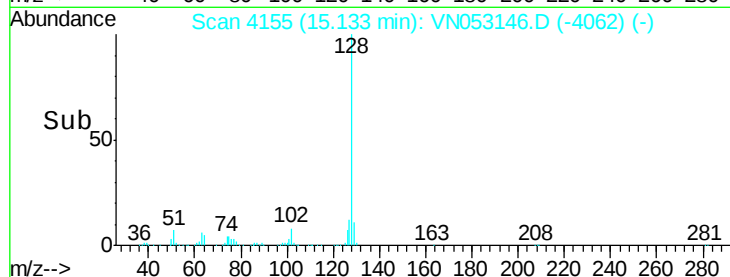
MMDadoda  
12/24/2018 9:11:14 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.693 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053146.D

Acq: 22 Dec 2018 21:12

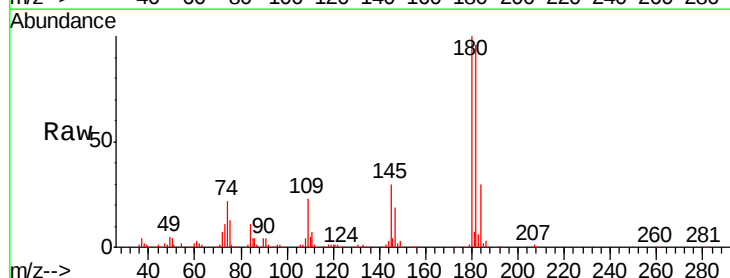
Tgt Ion:180 Resp: 462939

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 29.8 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

