

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\  
 Data File : VN058845.D  
 Acq On : 18 Oct 2019 9:37  
 Operator : JC/SP  
 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 10/21/2019 10:47:11 AM

Quant Time: Oct 19 00:05:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 18 23:49:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 392153   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 630021   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 603354   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 277852   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 117237   | 21.16 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 42.32% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 85858    | 21.80 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 43.60% |      |
| 50) Toluene-d8            | 10.08  | 98  | 330433   | 21.07 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 42.14% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 115649   | 19.59 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 39.18% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 106153  | 21.779  | ug/l | 100    |
| 3) Chloromethane              | 2.04 | 50  | 125519  | 21.418  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.17 | 62  | 124523  | 21.356  | ug/l | 97     |
| 5) Bromomethane               | 2.55 | 94  | 77570   | 21.612  | ug/l | 96     |
| 6) Chloroethane               | 2.69 | 64  | 80268   | 22.196  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 156613  | 22.141  | ug/l | 98     |
| 8) Diethyl Ether              | 3.39 | 74  | 51542   | 20.153  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 84325   | 21.195  | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 110566  | 20.519  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.76 | 59  | 92657   | 102.425 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 78974   | 20.878  | ug/l | 95     |
| 13) Acrolein                  | 3.58 | 56  | 65088   | 91.563  | ug/l | 98     |
| 14) Allyl chloride            | 4.30 | 41  | 159985  | 20.862  | ug/l | 99     |
| 15) Acrylonitrile             | 4.96 | 53  | 252084  | 110.662 | ug/l | 99     |
| 16) Acetone                   | 3.79 | 43  | 334025  | 139.513 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.03 | 76  | 254041  | 20.878  | ug/l | 99     |
| 18) Methyl Acetate            | 4.30 | 43  | 128391  | 21.964  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 276178  | 20.461  | ug/l | 98     |
| 20) Methylene Chloride        | 4.53 | 84  | 96338   | 20.188  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 87407   | 20.673  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.93 | 45  | 321765  | 21.536  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.87 | 43  | 1345143 | 111.540 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 180419  | 21.298  | ug/l | 100    |
| 25) 2-Butanone                | 6.81 | 43  | 393096  | 116.339 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 158043  | 20.460  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 99461   | 20.127  | ug/l | 99     |
| 28) Bromochloromethane        | 7.18 | 49  | 58953   | 20.039  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.19 | 42  | 237138  | 109.657 | ug/l | 100    |
| 30) Chloroform                | 7.35 | 83  | 177995  | 20.851  | ug/l | 99     |
| 31) Cyclohexane               | 7.64 | 56  | 163039  | 20.059  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 154455  | 21.279  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 130975  | 20.358  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.91 | 43  | 151680  | 23.057  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 137596  | 21.949  | ug/l | 96     |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 VSTDIC020

Manual Integrations  
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MMDadoda  
 10/21/2019 10:47:11 AM

Quant Time: Oct 19 00:05:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 18 23:49:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 144768   | 19.496  | ug/l   | 96       |
| 40) Benzene                    | 8.02  | 78   | 389177   | 21.017  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.16  | 41   | 63120m   | 21.146  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 150749   | 21.218  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 233265   | 20.977  | ug/l   | 100      |
| 44) Trichloroethene            | 8.82  | 130  | 94594    | 20.684  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 107452   | 21.646  | ug/l   | 96       |
| 46) Dibromomethane             | 9.20  | 93   | 67343    | 21.471  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 139244   | 21.755  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.19  | 41   | 103723   | 20.519  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 34665    | 440.740 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 754955   | 120.078 | ug/l   | 99       |
| 52) Toluene                    | 10.15 | 92   | 239780   | 21.216  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 152554   | 20.797  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 164288   | 21.063  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 96206    | 20.785  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 143569   | 21.230  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 169442   | 21.437  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 311098   | 97.268  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 577517   | 118.495 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 104104   | 21.783  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 98166    | 21.157  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 84667    | 19.935  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 251794   | 20.430  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 94665    | 20.753  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.51 | 91   | 447638   | 20.381  | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.62 | 106  | 331711   | 40.258  | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 155663   | 19.548  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 252922   | 19.389  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 69888    | 20.763  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 423017   | 20.868  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 189704   | 20.665  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 145710   | 21.646  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 141376m  | 22.608  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 103553   | 20.963  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 510466   | 21.582  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 300047   | 20.443  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 360891   | 20.854  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 48522    | 20.827  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 308347   | 20.482  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 301209   | 20.322  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 364683   | 21.198  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.18 | 105  | 412494   | 21.098  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 363964   | 20.535  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 184517   | 20.325  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 180441   | 19.523  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 329921   | 20.126  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 69311    | 21.637  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 182207   | 20.550  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 33256    | 21.093  | ug/l   | 95       |

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Sample : VSTDICC020  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Fri Oct 18 23:49:30 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180  | 98037    | 18.293 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 56194    | 19.730 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 279988   | 18.217 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 97759    | 18.646 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 392153

Ion Ratio Lower Upper

168 100

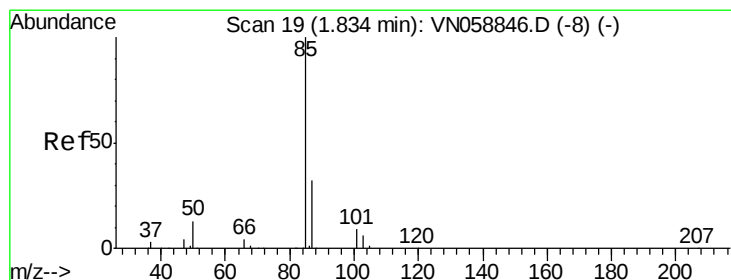
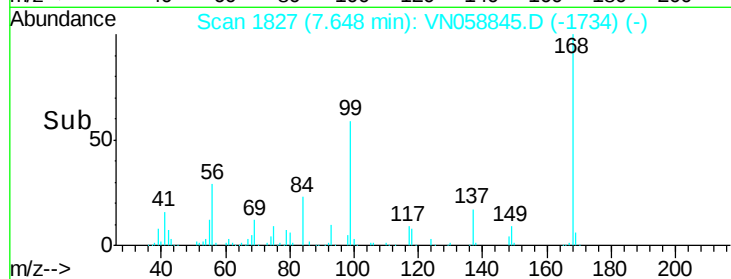
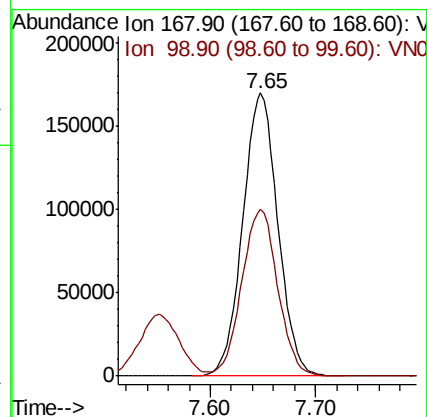
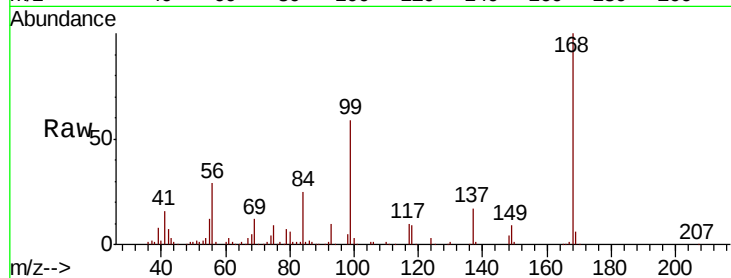
99 58.8 48.1 72.1

Manual Integrations

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10/21/2019 10:47:11 AM



#2

Dichlorodifluoromethane

Concen: 21.779 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058845.D

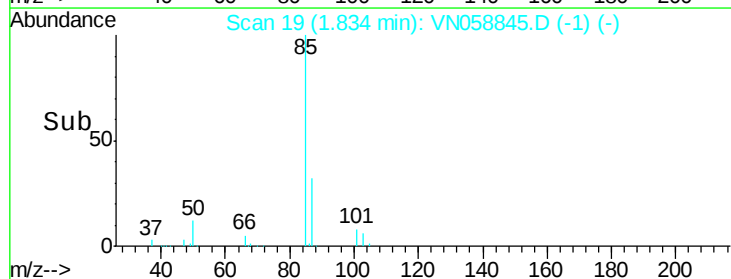
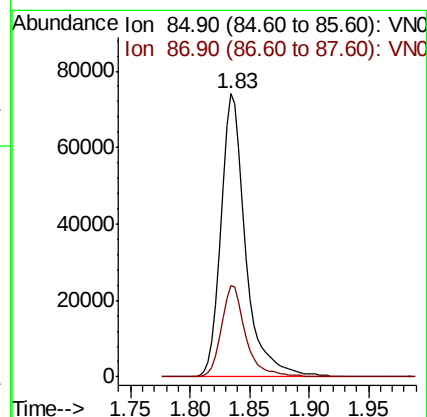
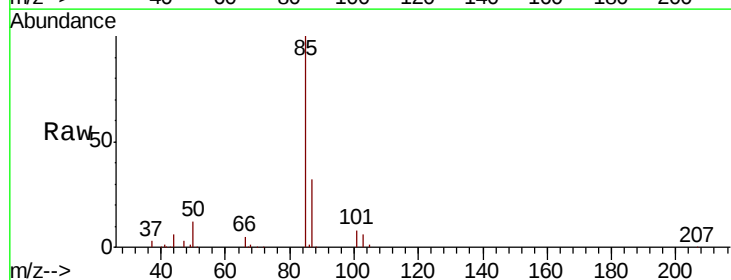
Acq: 18 Oct 2019 9:37

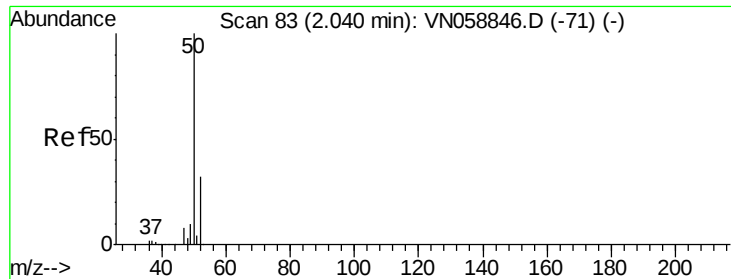
Tgt Ion: 85 Resp: 106153

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5





#3

Chloromethane

Concen: 21.418 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 125519

Ion Ratio Lower Upper

50 100

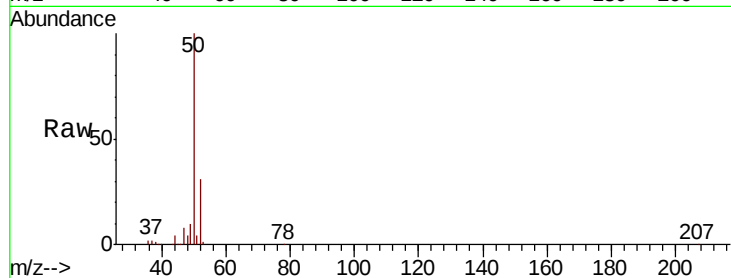
52 31.1 25.7 38.5

Manual Integrations

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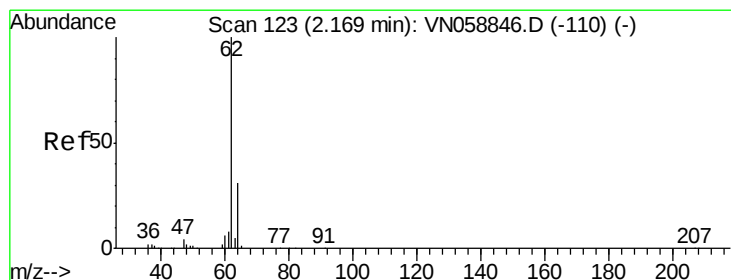
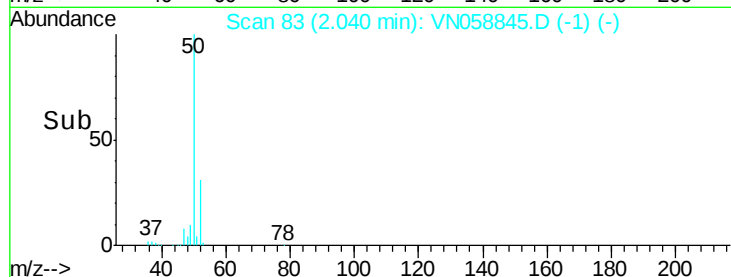
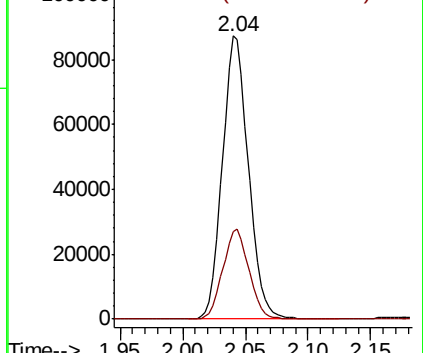
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.356 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058845.D

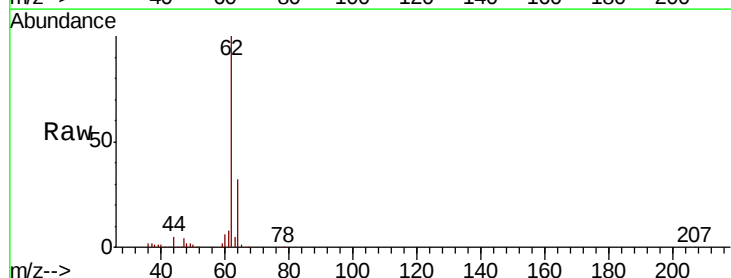
Acq: 18 Oct 2019 9:37

Tgt Ion: 62 Resp: 124523

Ion Ratio Lower Upper

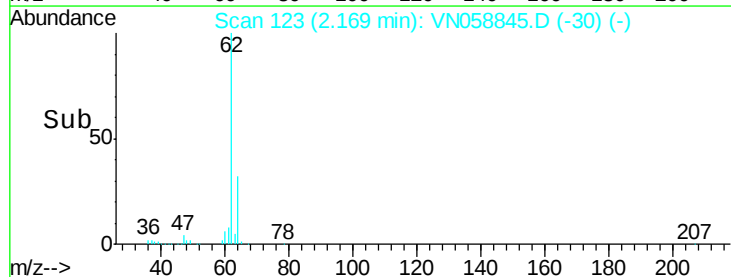
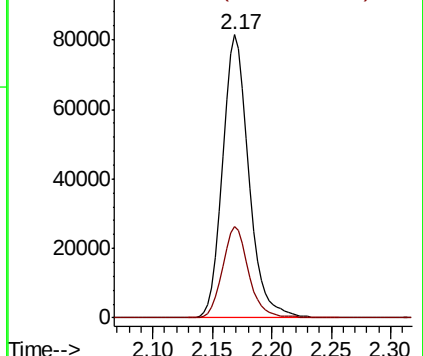
62 100

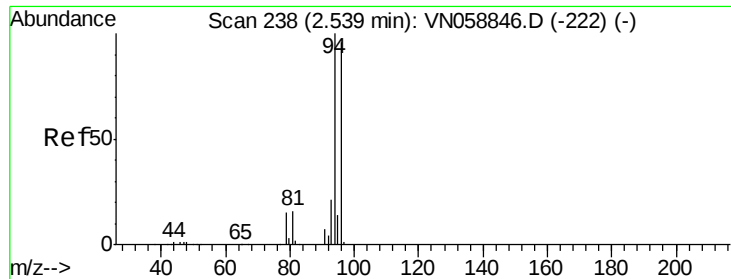
64 32.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.612 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 77570

Ion Ratio Lower Upper

94 100

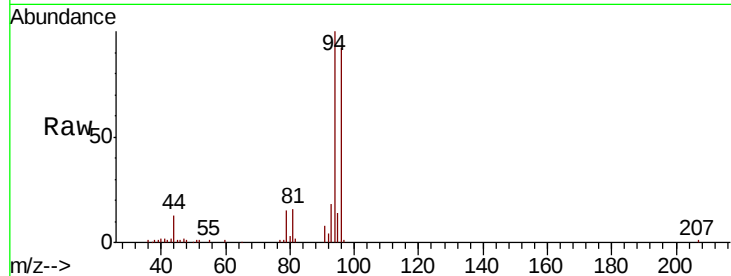
96 92.2 77.0 115.6

Manual Integrations

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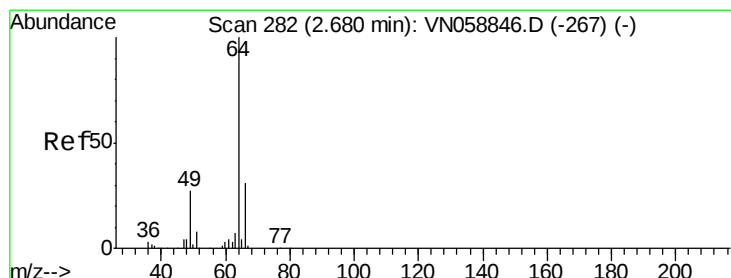
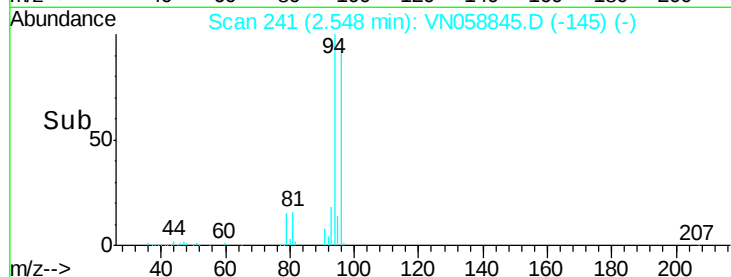
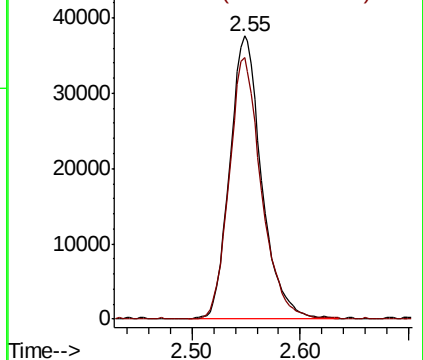
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 22.196 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058845.D

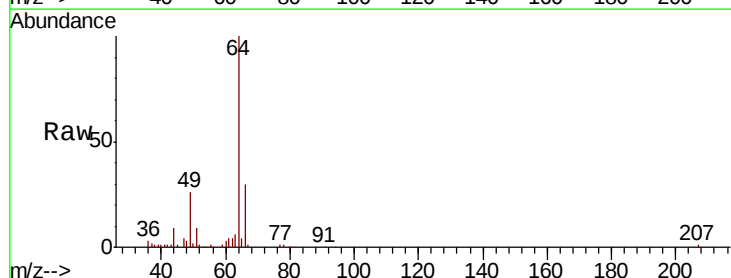
Acq: 18 Oct 2019 9:37

Tgt Ion: 64 Resp: 80268

Ion Ratio Lower Upper

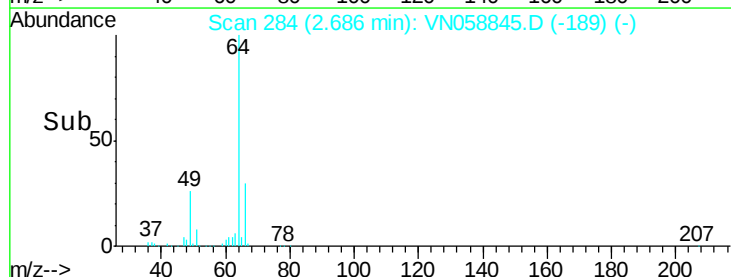
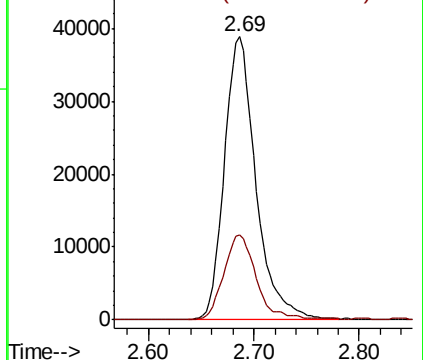
64 100

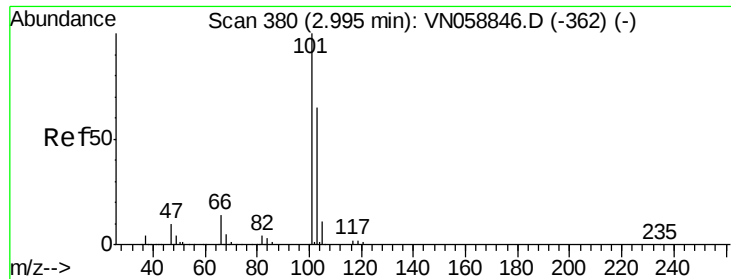
66 29.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

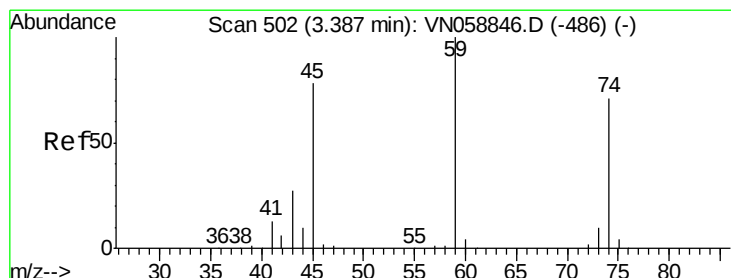
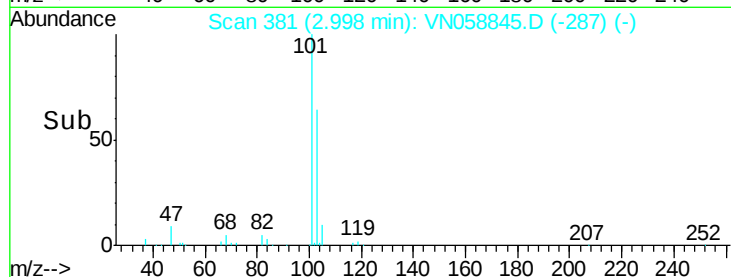
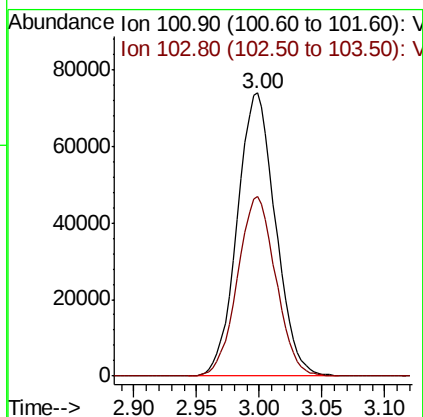
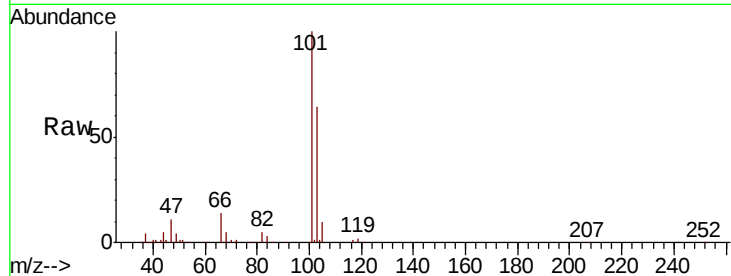
Trichlorofluoromethane  
 Concen: 22.141 ug/l  
 RT: 3.00 min Scan# 381  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.7  | 52.2  | 78.2  |

Manual Integrations  
 APPROVED

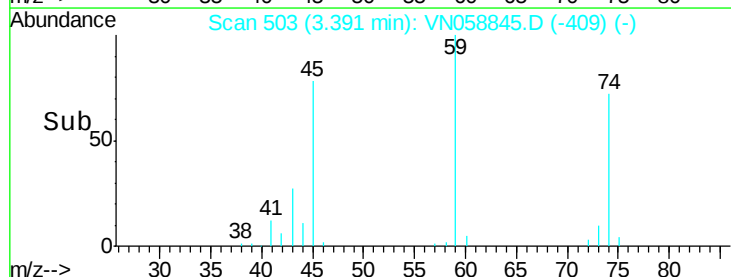
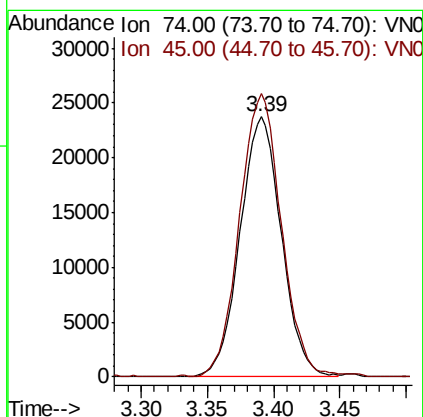
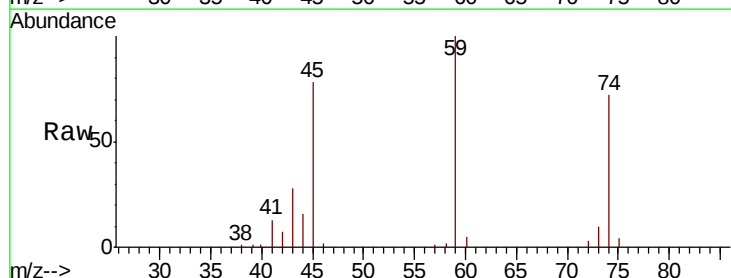
MMDadoda  
 10/21/2019 10:47:11 AM

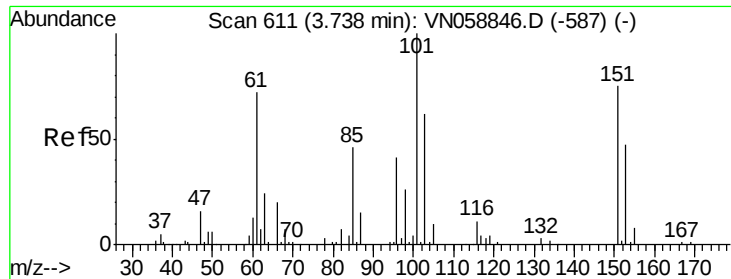


#8

Diethyl Ether  
 Concen: 20.153 ug/l  
 RT: 3.39 min Scan# 503  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 110.1 | 54.9  | 164.5 |





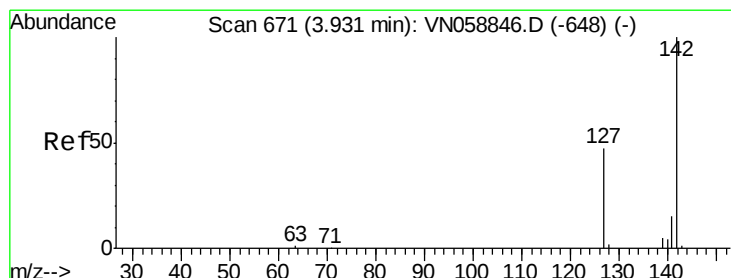
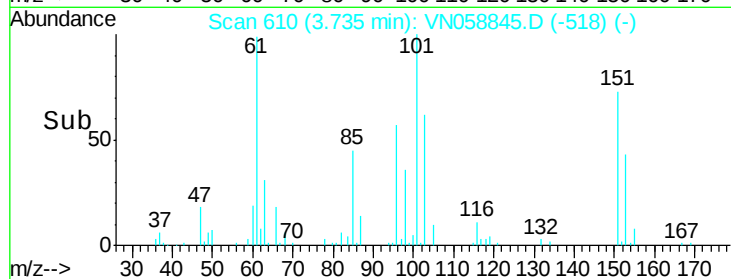
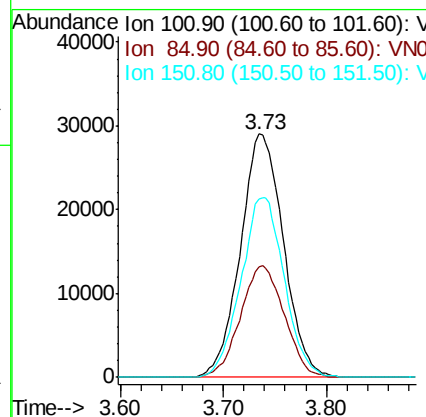
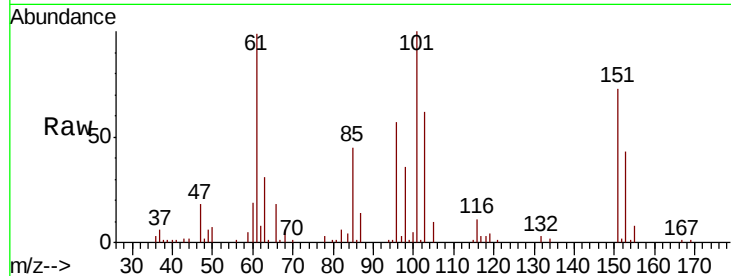
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 21.195 ug/l  
 RT: 3.73 min Scan# 610  
 Delta R.T. -0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 46.6  | 37.2  | 55.8  |
| 151     | 74.2  | 59.9  | 89.9  |

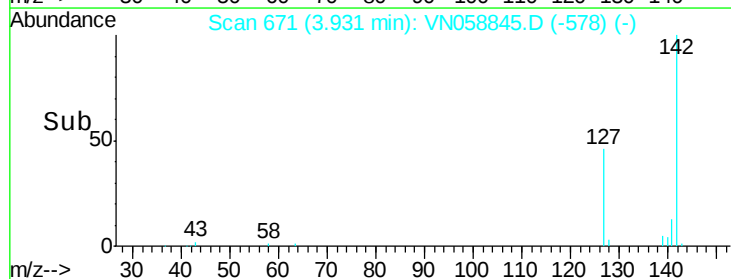
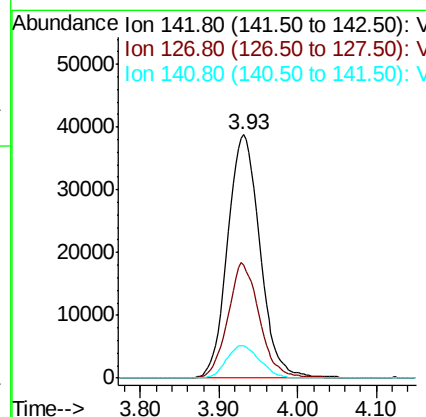
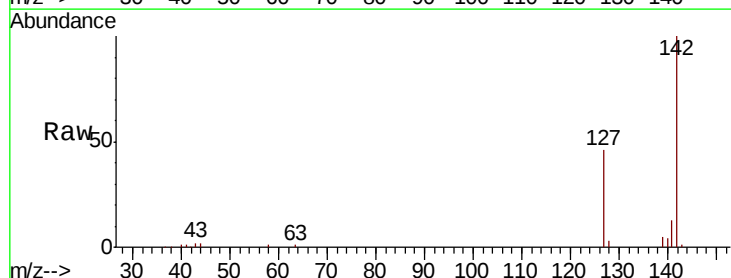
Manual Integrations  
 APPROVED

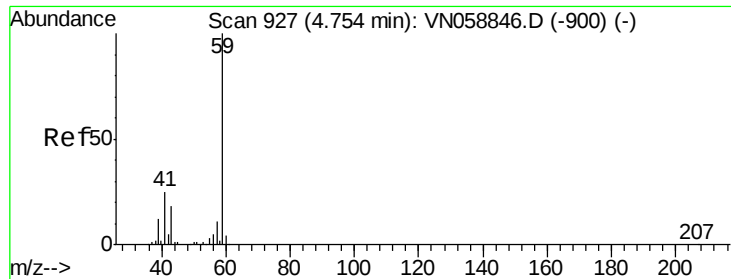
MMDadoda  
 10/21/2019 10:47:11 AM



#10  
 Methyl Iodide  
 Concen: 20.519 ug/l  
 RT: 3.93 min Scan# 671  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 45.8  | 36.6  | 54.8  |
| 141     | 13.7  | 11.4  | 17.2  |





#11

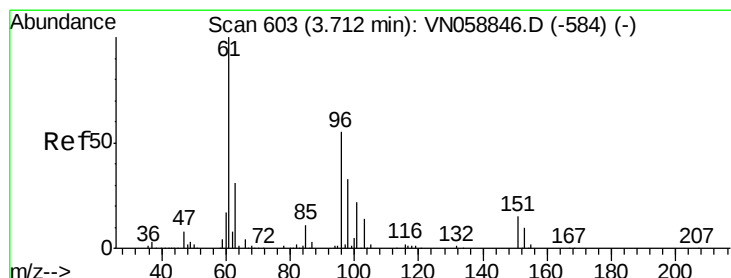
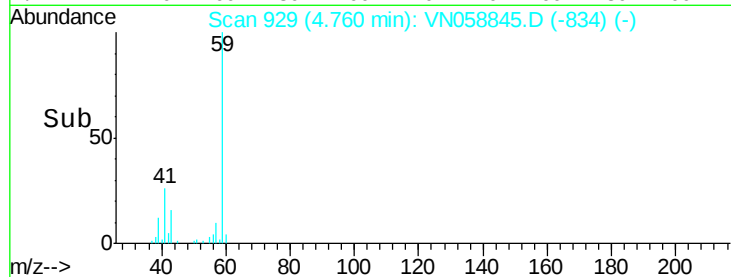
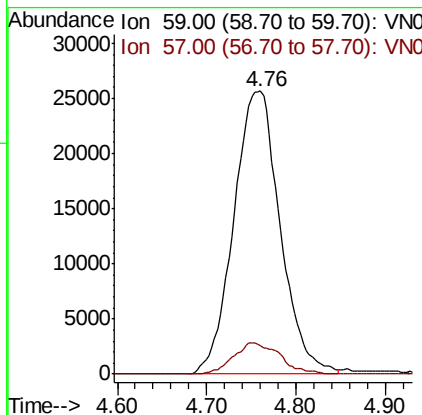
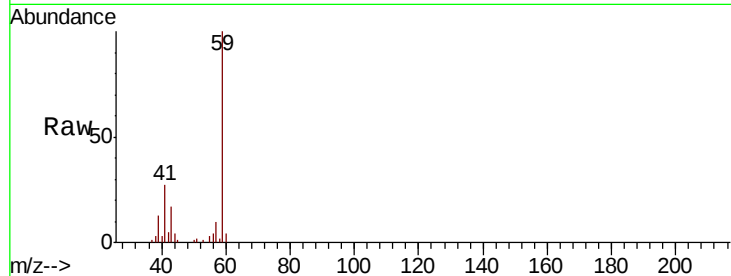
Tert butyl alcohol  
 Concen: 102.425 ug/l  
 RT: 4.76 min Scan# 929  
 Delta R.T. 0.01 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.1  | 8.6   | 12.8  |

Manual Integrations  
 APPROVED

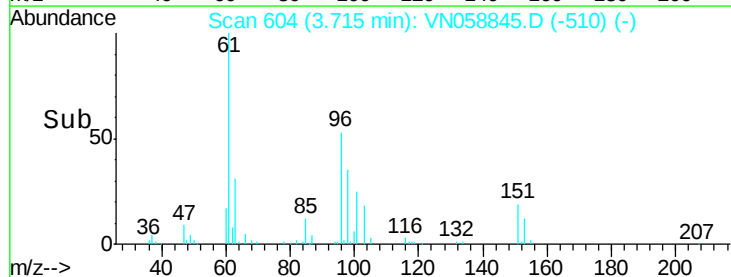
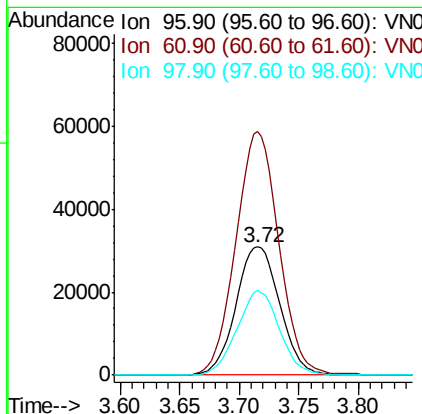
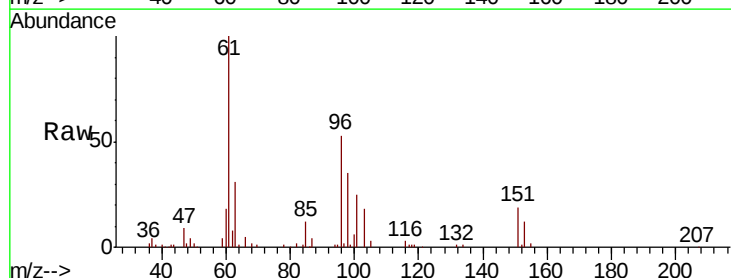
MMDadoda  
 10/21/2019 10:47:11 AM

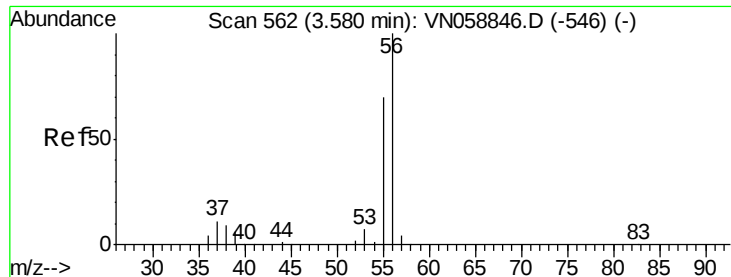


#12

1,1-Dichloroethene  
 Concen: 20.878 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 189.8 | 146.2 | 219.2 |
| 98      | 66.0  | 48.7  | 73.1  |





#13

Acrolein

Concen: 91.563 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 65088

Ion Ratio Lower Upper

56 100

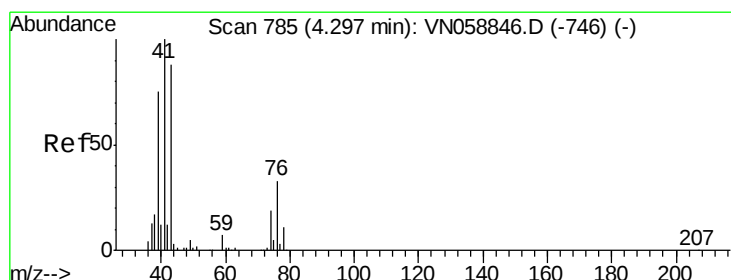
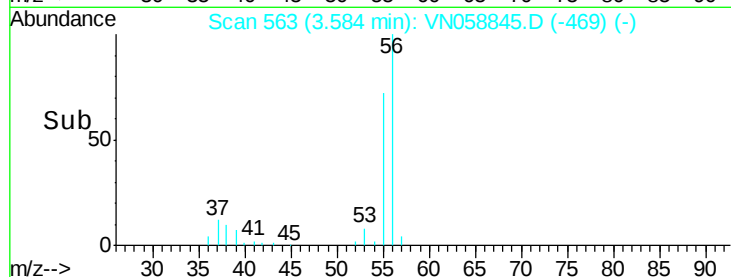
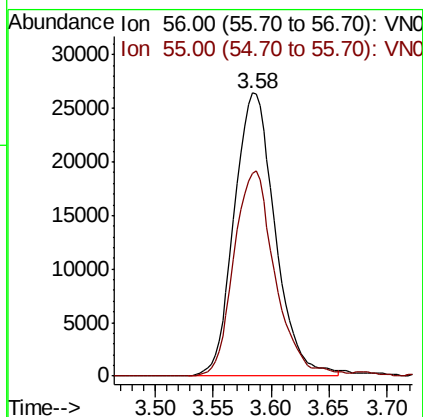
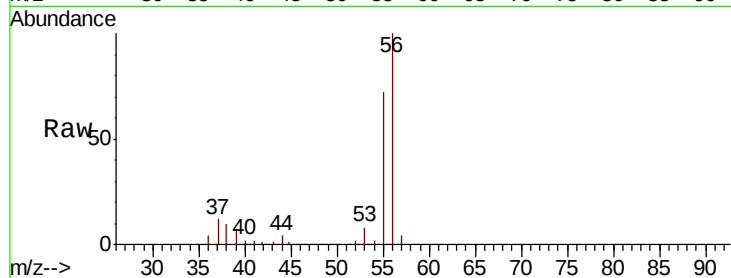
55 72.8 56.6 85.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 20.862 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

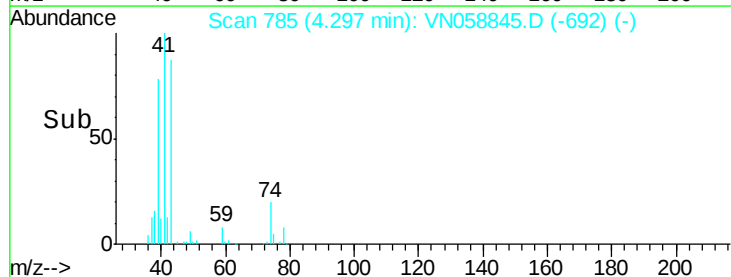
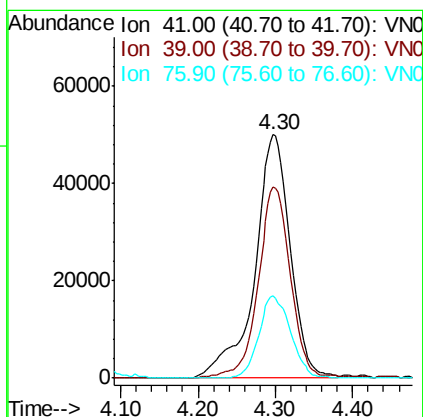
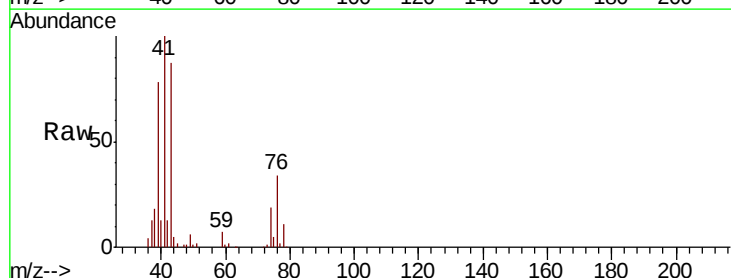
Tgt Ion: 41 Resp: 159985

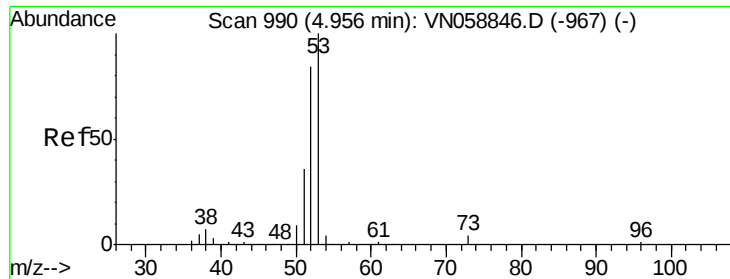
Ion Ratio Lower Upper

41 100

39 70.7 55.9 83.9

76 30.4 24.1 36.1





#15

Acrylonitrile

Concen: 110.662 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

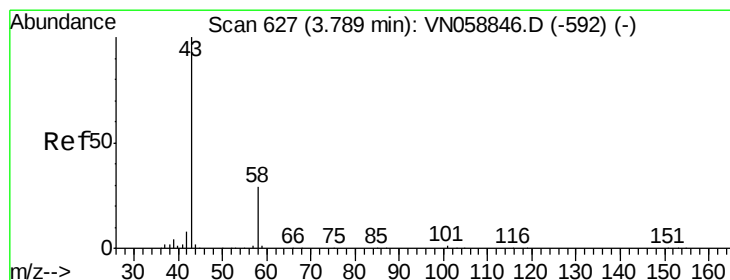
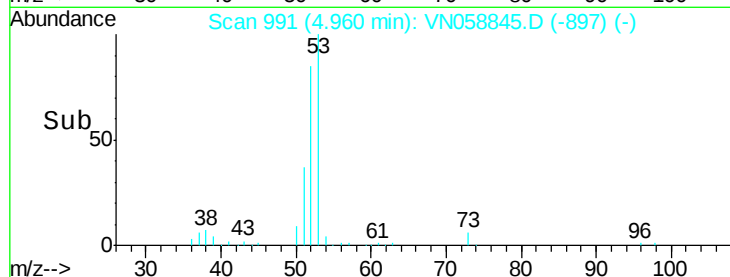
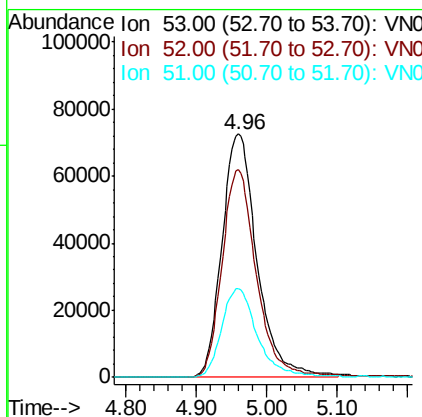
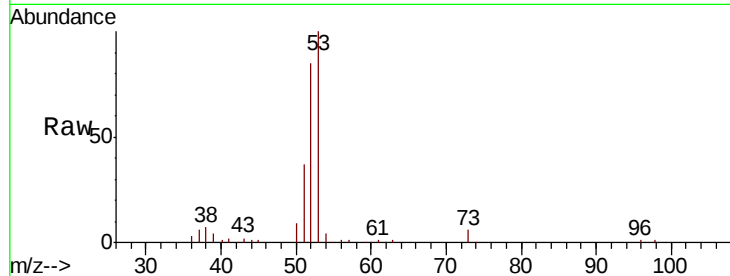
ClientSampleId :

VSTDIC020

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 252084 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.4 | 66.6  | 99.8   |
| 51        | 37.4 | 29.2  | 43.8   |

Manual Integrations  
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#16

Acetone

Concen: 139.513 ug/l

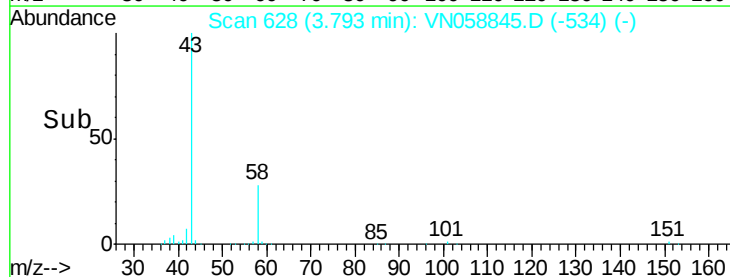
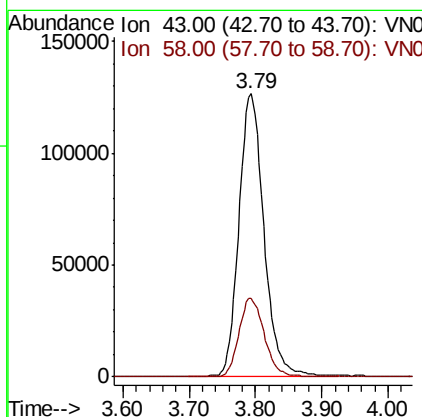
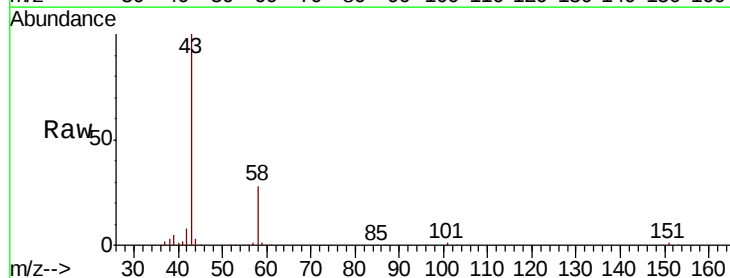
RT: 3.79 min Scan# 628

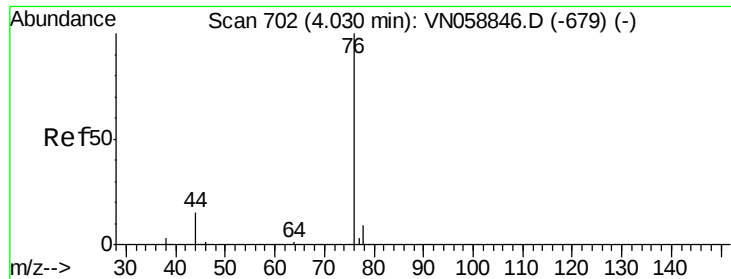
Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 334025 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 27.7 | 23.1  | 34.7   |





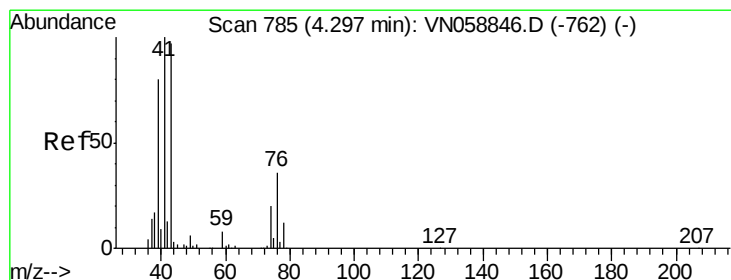
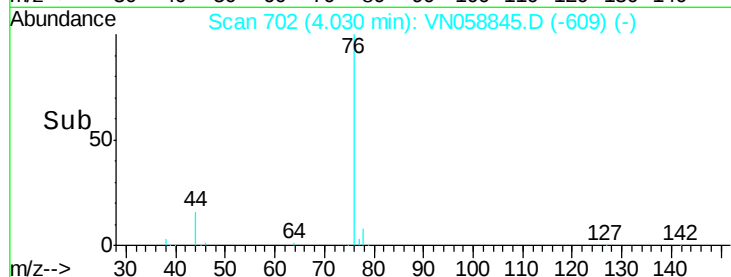
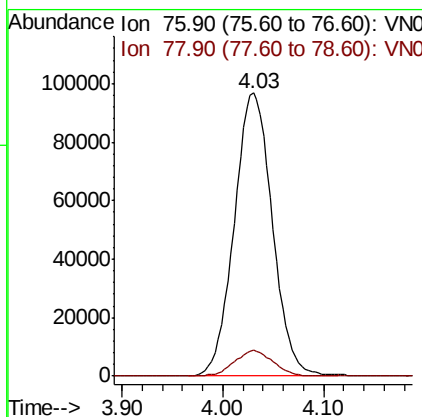
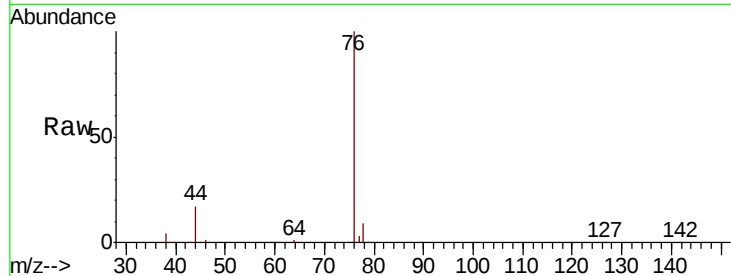
#17  
Carbon Disulfide  
Concen: 20.878 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.1   | 10.7  |

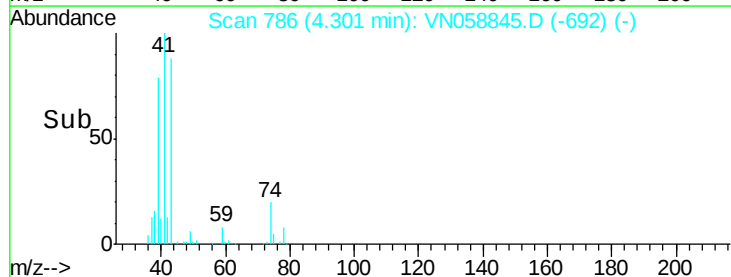
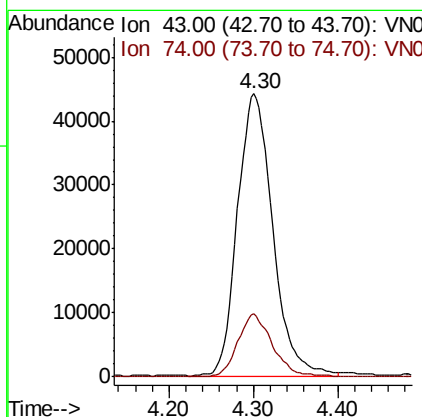
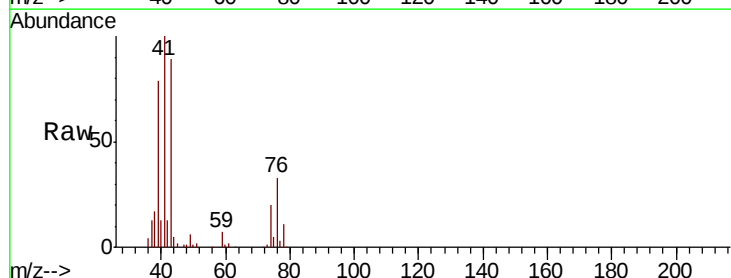
Manual Integrations  
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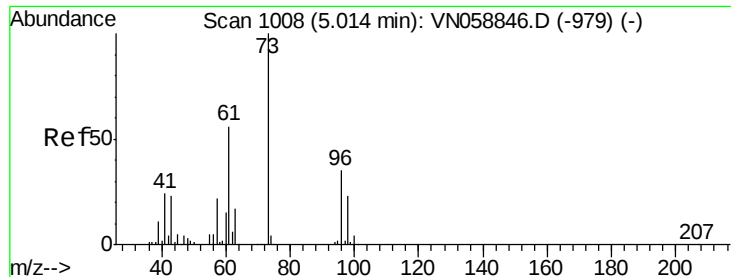
MMDadoda  
10/21/2019 10:47:11 AM



#18  
Methyl Acetate  
Concen: 21.964 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.9  | 17.1  | 25.7  |





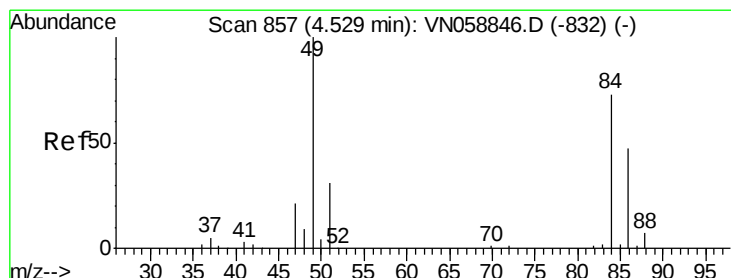
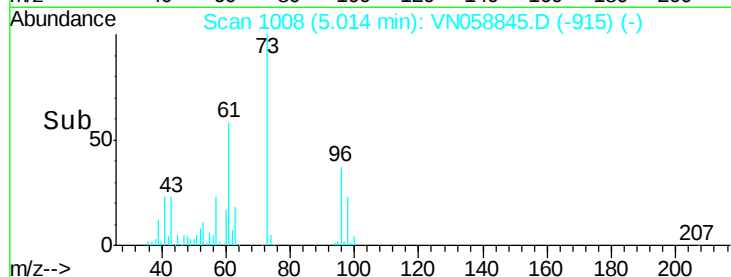
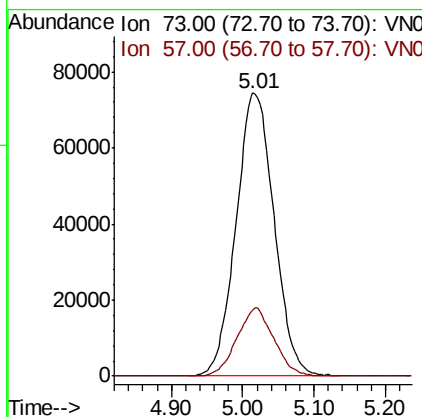
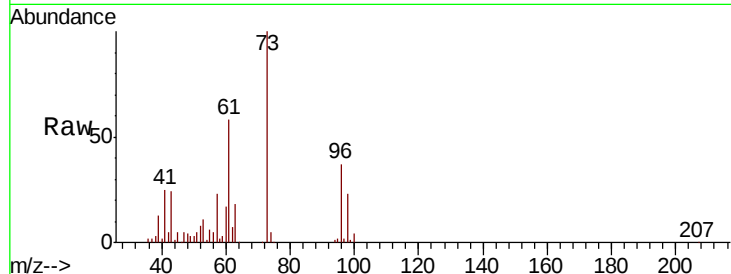
#19  
Methvl tert-butvl Ether  
Concen: 20.461 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

Tot Ion: 73 Resp: 276178  
Ion Ratio Lower Upper  
73 100  
57 23.4 17.9 26.9

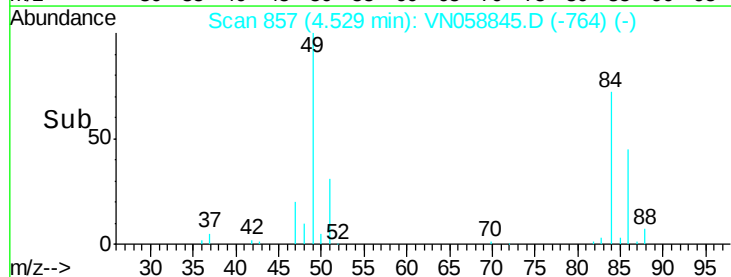
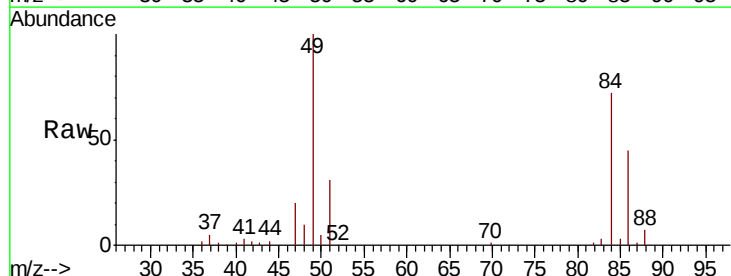
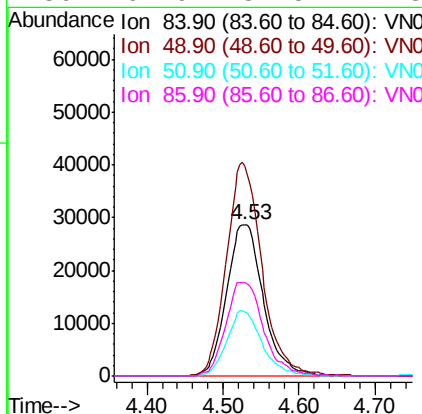
Manual Integrations  
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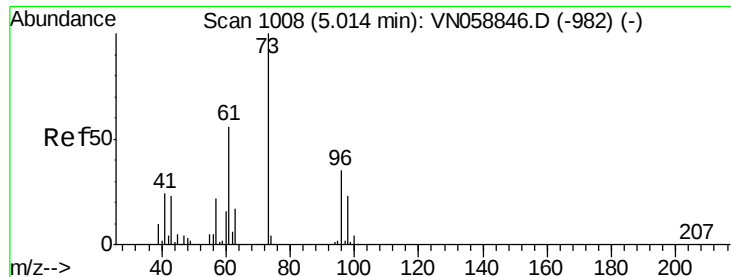
MMDadoda  
10/21/2019 10:47:11 AM



#20  
Methylene Chloride  
Concen: 20.188 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Tgt Ion: 84 Resp: 96338  
Ion Ratio Lower Upper  
84 100  
49 138.5 109.6 164.4  
51 42.3 33.8 50.6  
86 61.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.673 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 87407

Ion Ratio Lower Upper

96 100

61 157.9 126.7 190.1

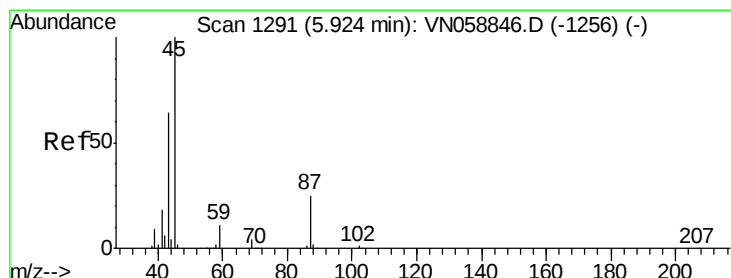
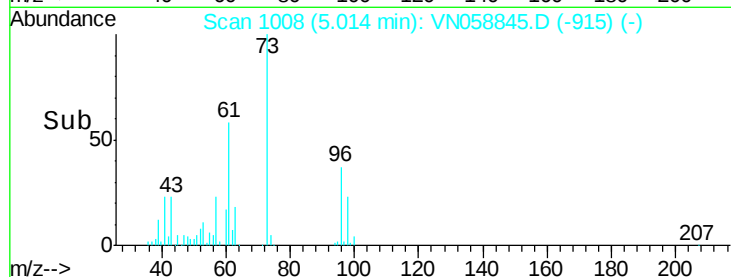
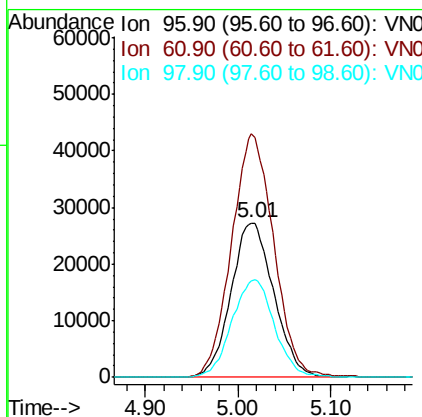
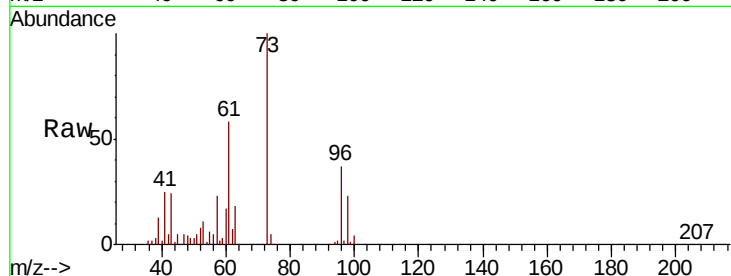
98 62.9 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.536 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Tgt Ion: 45 Resp: 321765

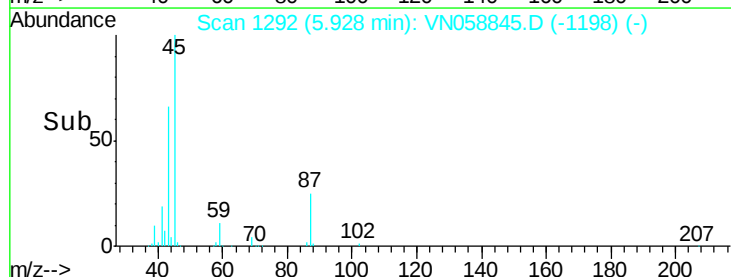
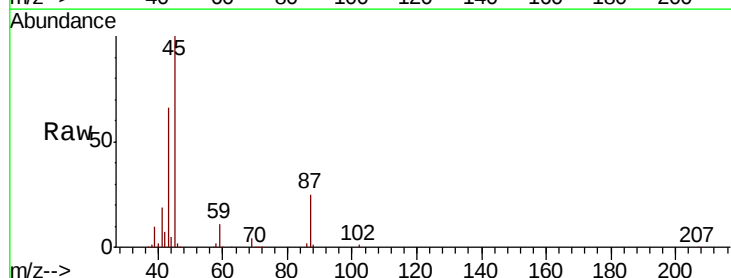
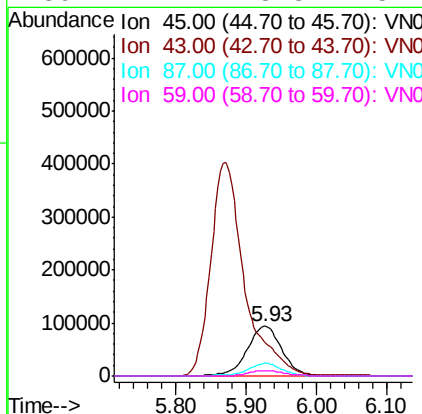
Ion Ratio Lower Upper

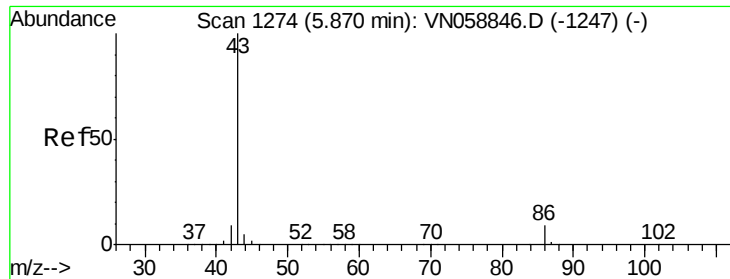
45 100

43 64.4 52.9 79.3

87 24.8 20.2 30.4

59 11.1 8.8 13.2





#23

Vinyl Acetate

Concen: 111.540 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1345143

Ion Ratio Lower Upper

43 100

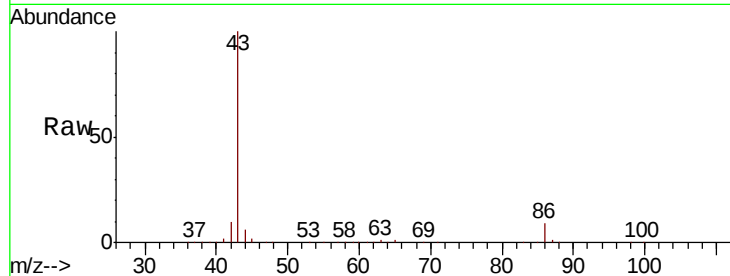
86 8.9 7.2 10.8

Manual Integrations

APPROVED

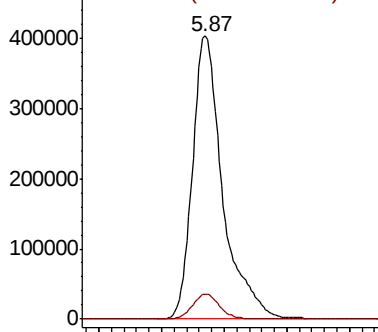
MMDadoda

10/21/2019 10:47:11 AM

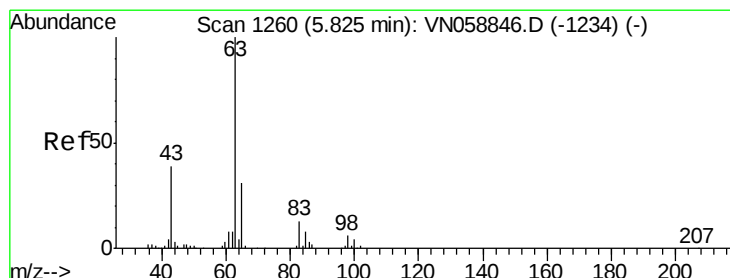
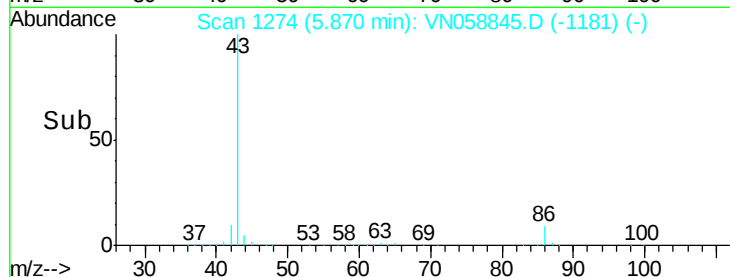


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 21.298 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

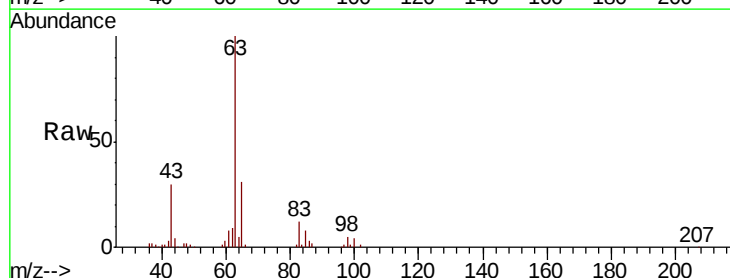
Tgt Ion: 63 Resp: 180419

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

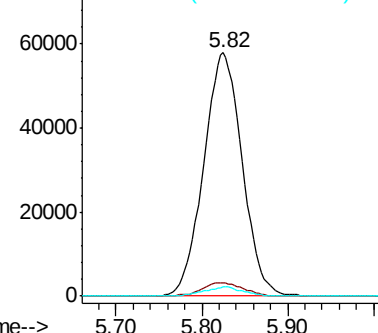
100 3.8 1.9 5.7



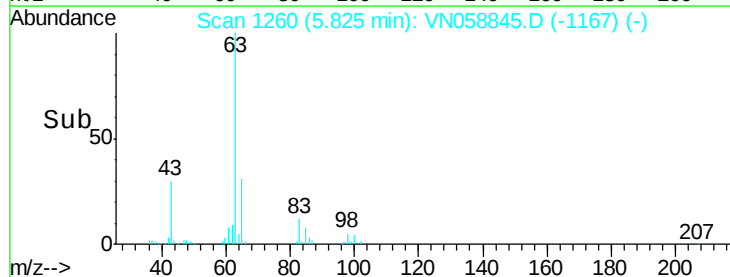
Abundance Ion 62.90 (62.60 to 63.60): VN0

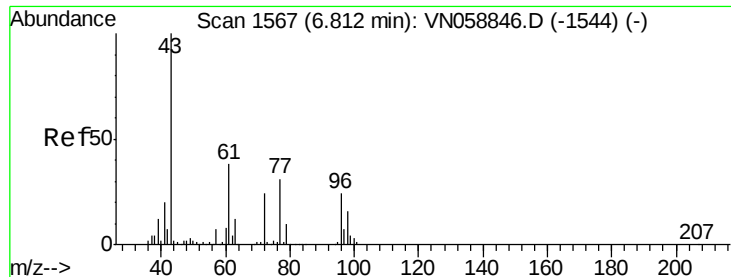
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 116.339 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 393096

Ion Ratio Lower Upper

43 100

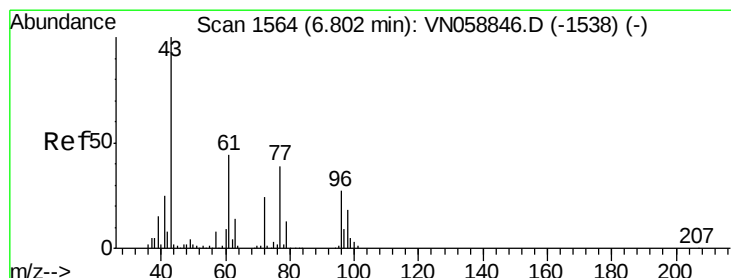
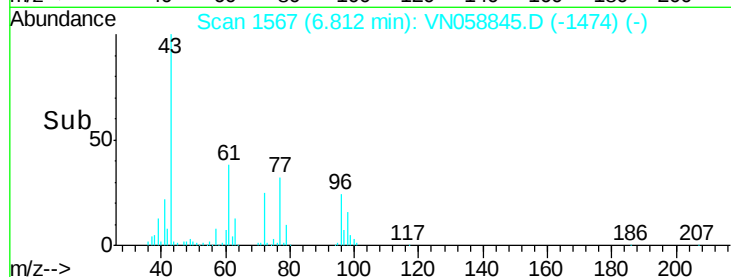
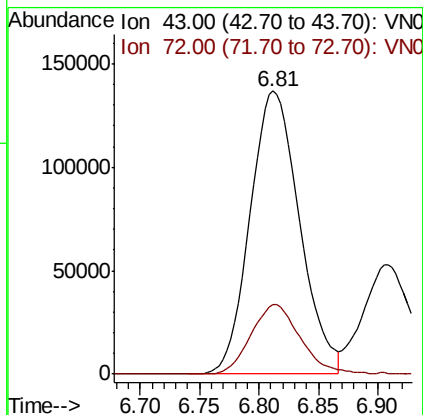
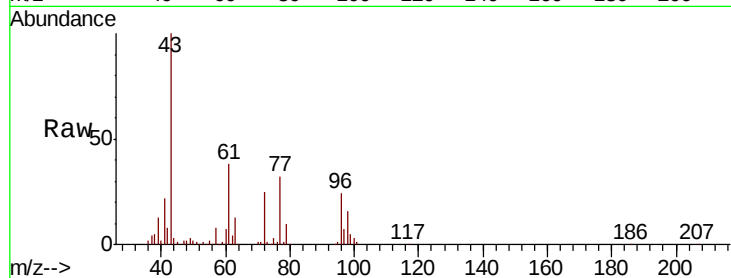
72 24.8 19.1 28.7

Manual Integrations

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MMDadoda

10/21/2019 10:47:11 AM



#26

2,2-Dichloropropane

Concen: 20.460 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058845.D

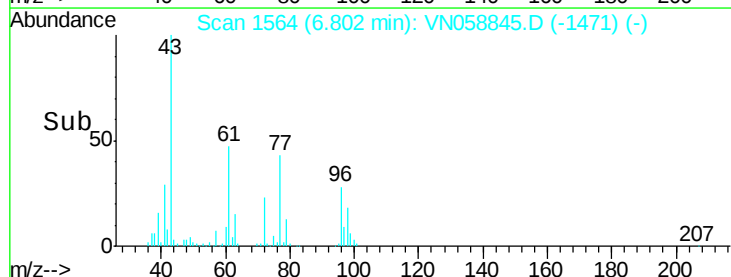
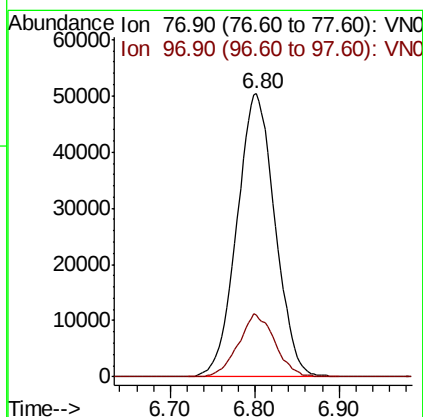
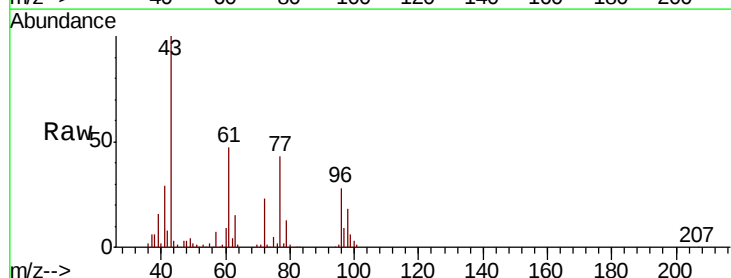
Acq: 18 Oct 2019 9:37

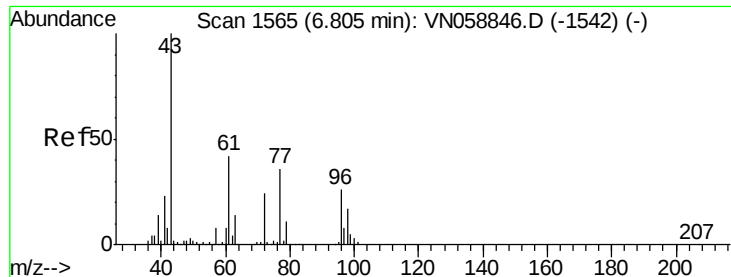
Tgt Ion: 77 Resp: 158043

Ion Ratio Lower Upper

77 100

97 21.3 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.127 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

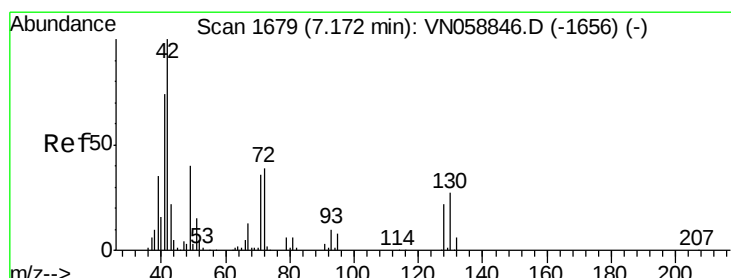
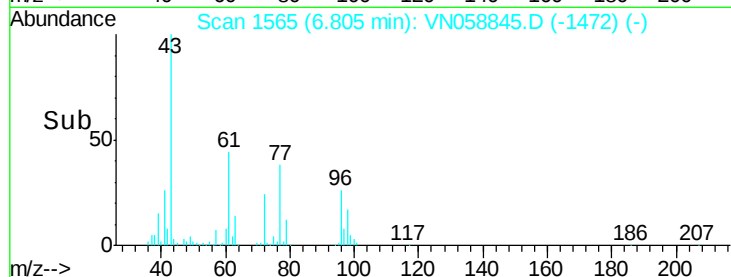
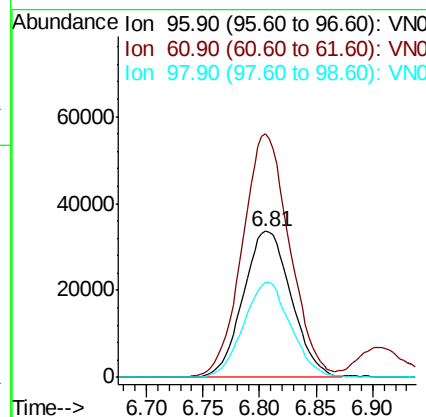
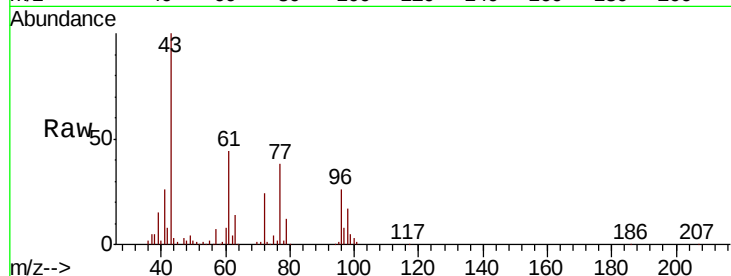
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 96    | Resp: | 99461 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 163.7 | 0.0   | 325.0 |
| 98        | 63.8  | 0.0   | 128.0 |

Manual Integrations  
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MMDadoda  
10/21/2019 10:47:11 AM



#28

Bromochloromethane

Concen: 20.039 ug/l

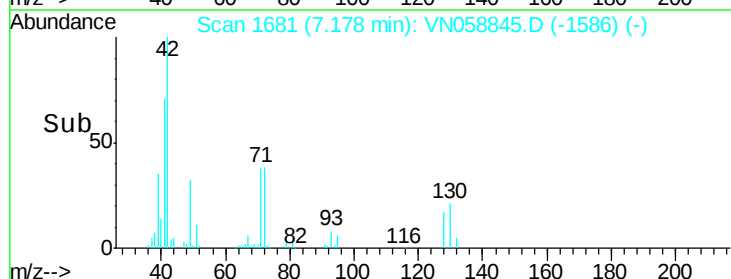
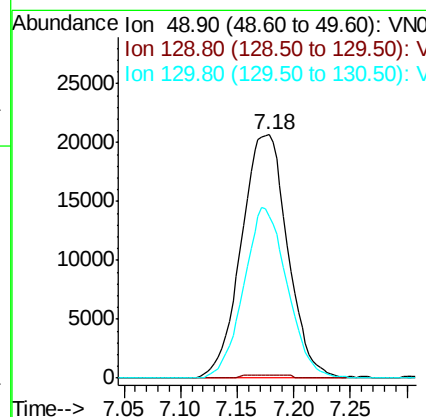
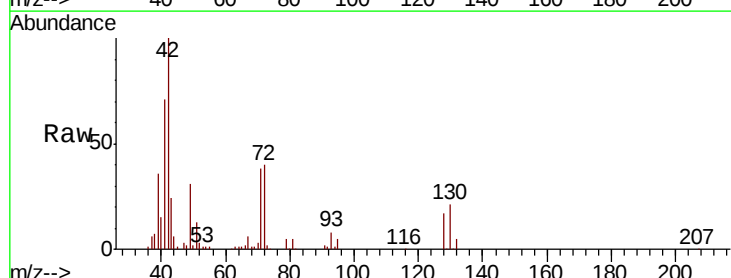
RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 49    | Resp: | 58953 |
| Ion Ratio | Lower | Upper |       |
| 49        | 100   |       |       |
| 129       | 0.5   | 0.0   | 3.2   |
| 130       | 65.7  | 53.5  | 80.3  |





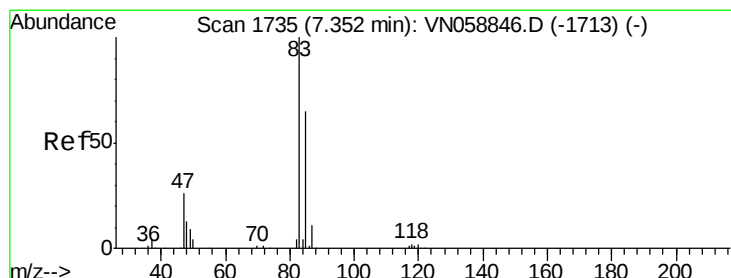
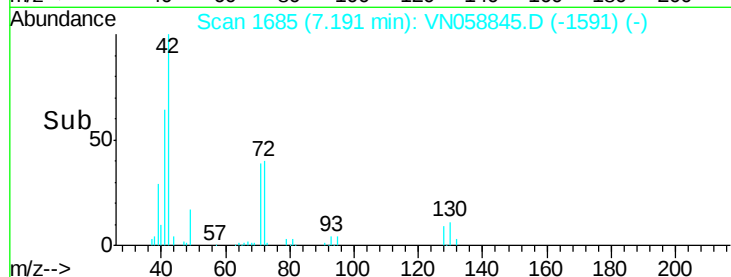
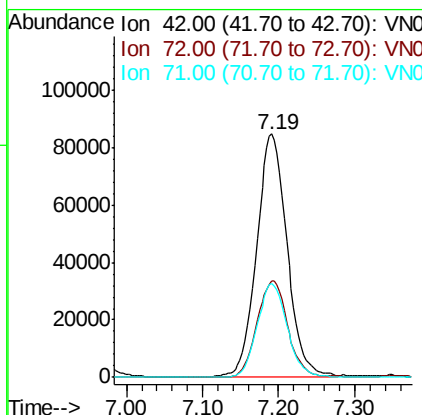
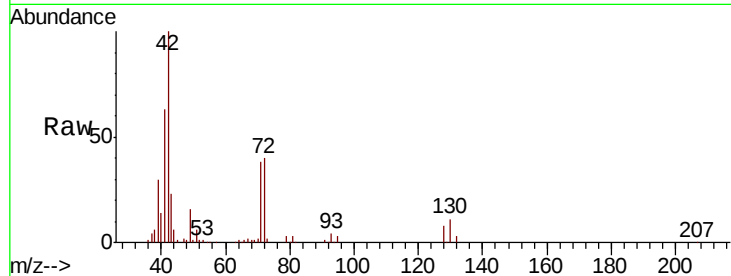
#29  
Tetrahydrofuran  
Concen: 109.657 ug/l  
RT: 7.19 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 40.1  | 32.2  | 48.2  |
| 71      | 38.0  | 30.6  | 45.8  |

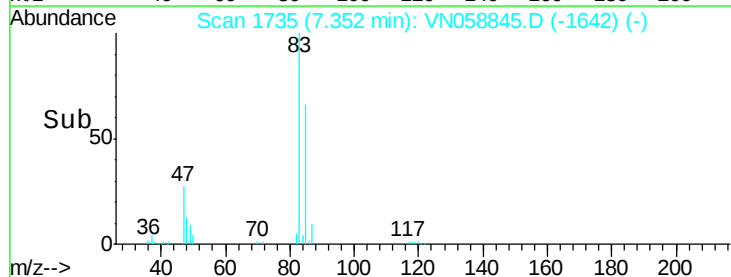
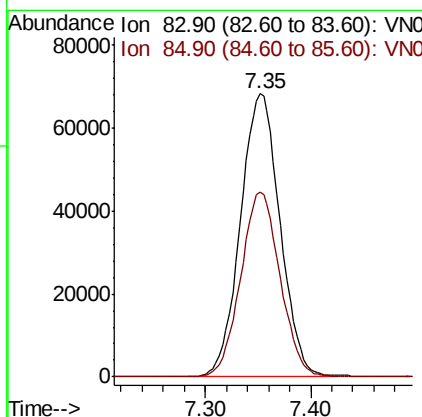
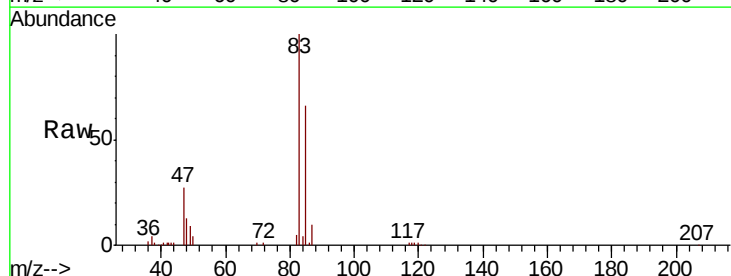
Manual Integrations  
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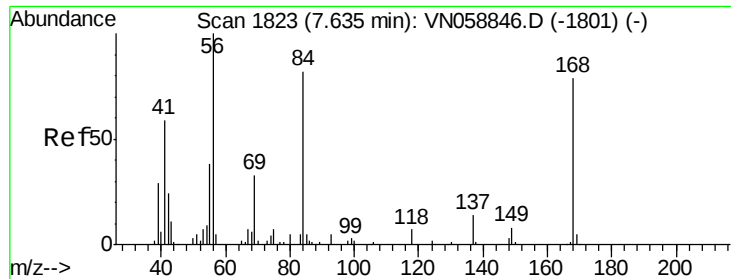
MMDadoda  
10/21/2019 10:47:11 AM



#30  
Chloroform  
Concen: 20.851 ug/l  
RT: 7.35 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.5  | 51.9  | 77.9  |





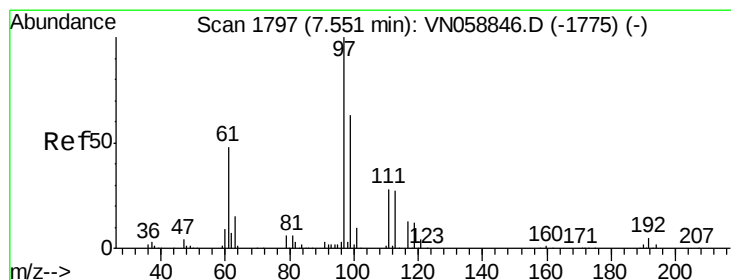
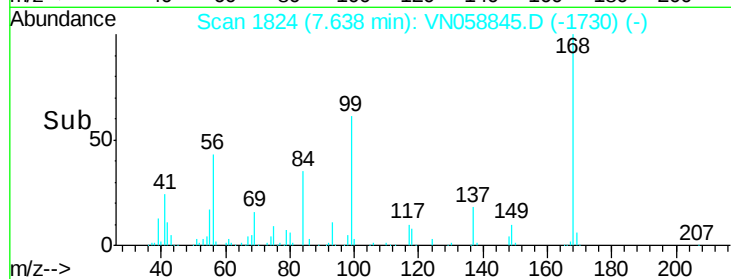
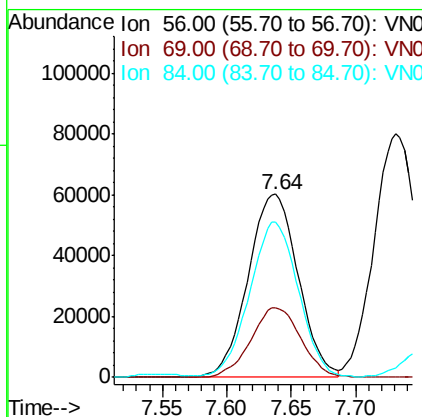
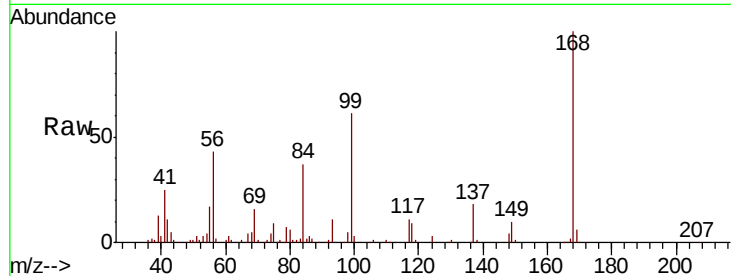
#31  
Cyclohexane  
Concen: 20.059 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.1  | 26.2  | 39.4  |
| 84      | 83.5  | 65.6  | 98.4  |

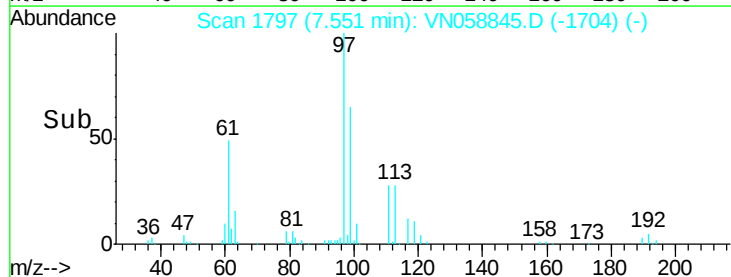
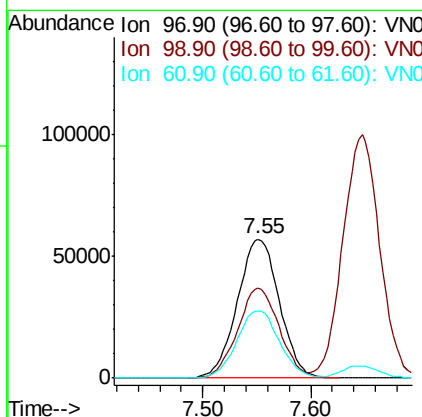
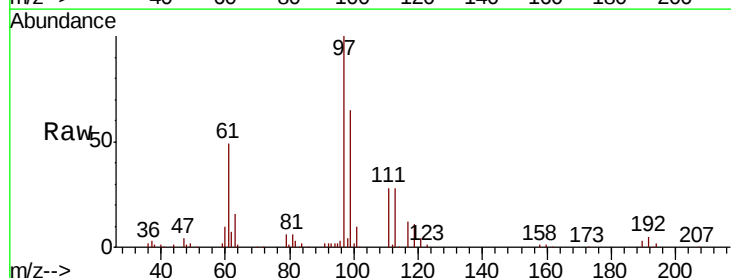
Manual Integrations  
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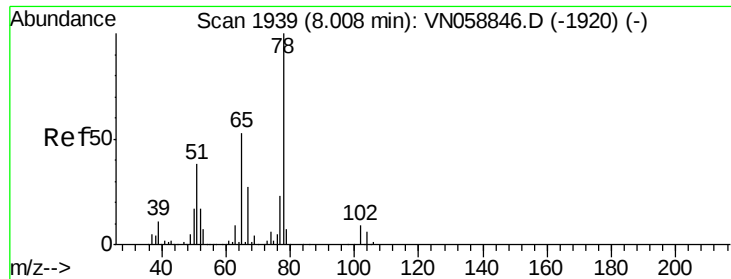
MMDadoda  
10/21/2019 10:47:11 AM



#32  
1,1,1-Trichloroethane  
Concen: 21.279 ug/l  
RT: 7.55 min Scan# 1797  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 51.0  | 76.4  |
| 61      | 49.2  | 38.6  | 58.0  |





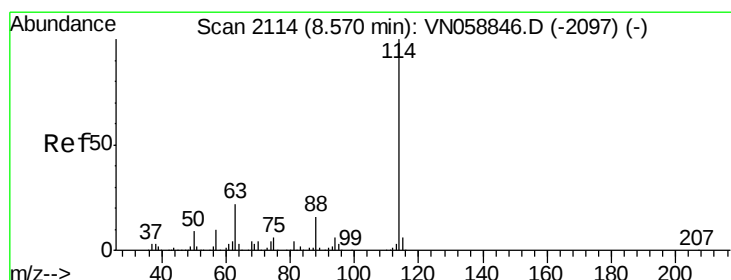
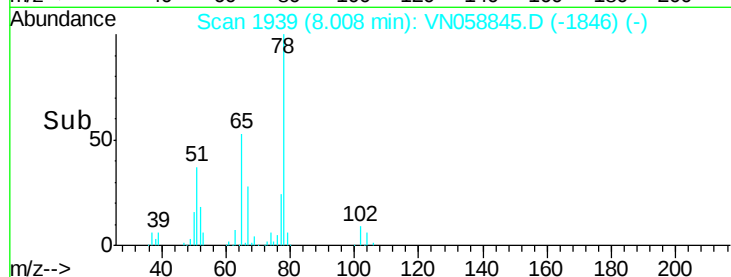
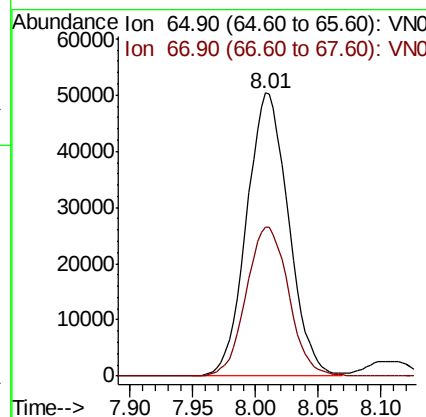
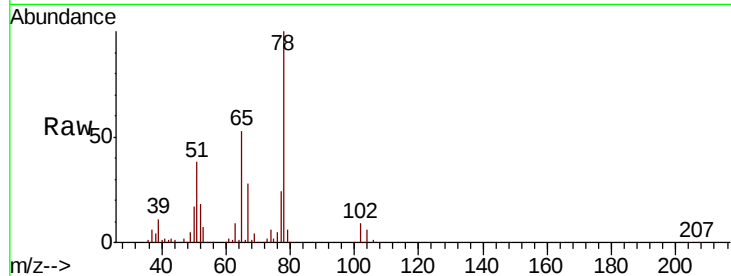
#33  
 1,2-Dichloroethane-d4  
 Concen: 21.163 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 53.3  | 0.0  | 103.2 |       |

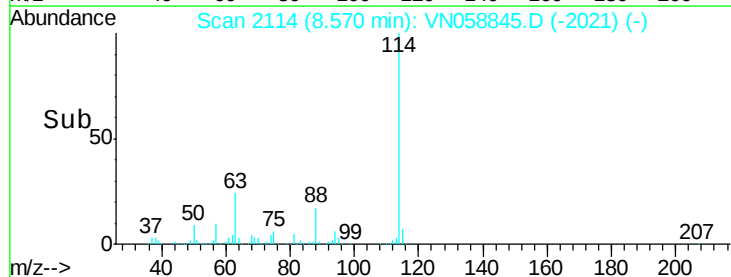
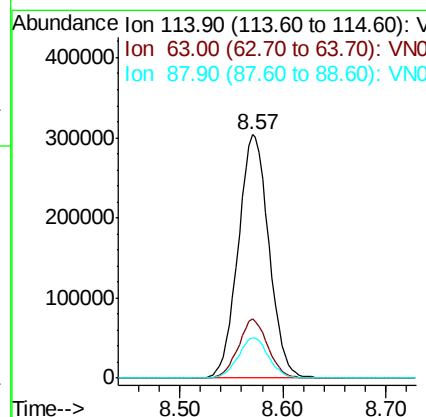
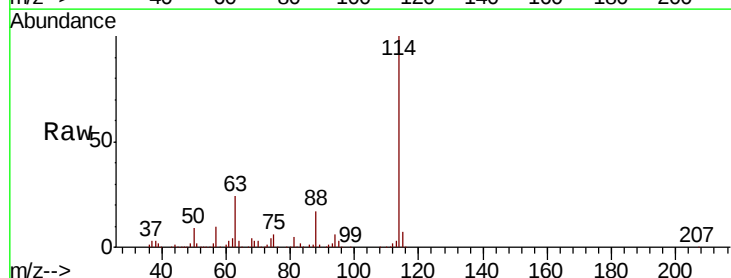
Manual Integrations  
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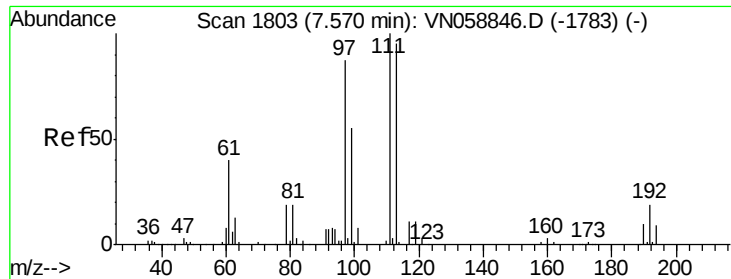
MMDadoda  
 10/21/2019 10:47:11 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 24.1  | 0.0  | 44.4  |       |
| 88      | 16.6  | 0.0  | 31.4  |       |





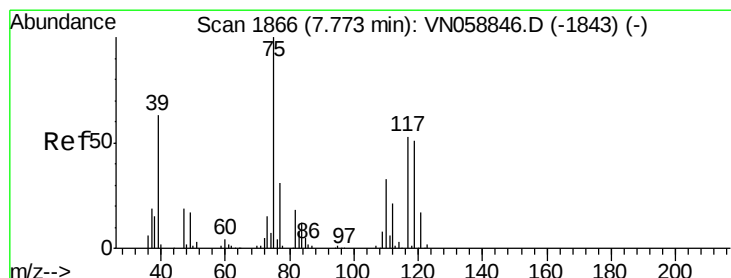
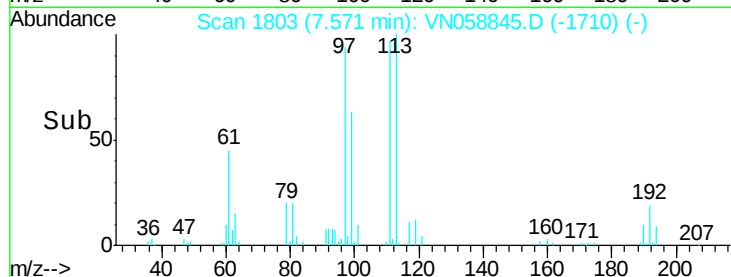
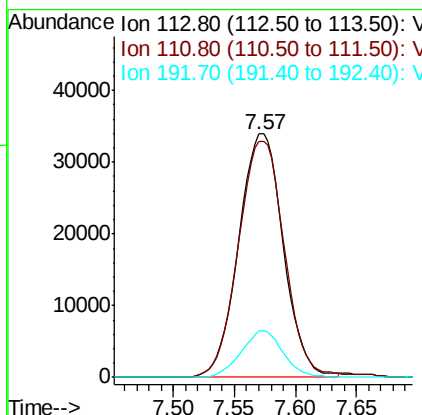
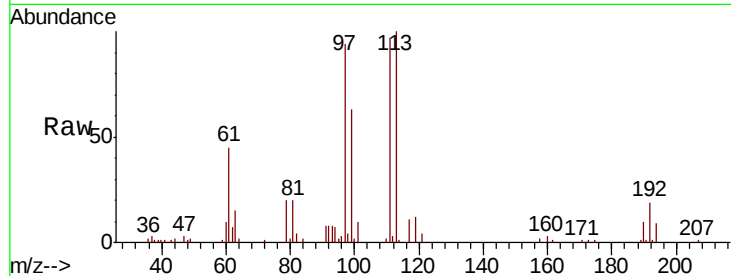
#35  
 Dibromofluoromethane  
 Concen: 21.801 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 85858 |       |       |
| 111     | 100.5 | 82.0  | 123.0 |       |
| 192     | 18.0  | 15.0  | 22.6  |       |

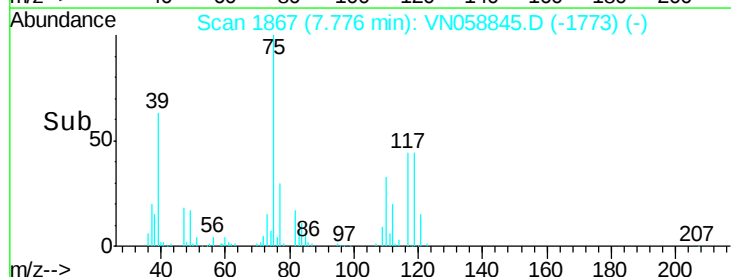
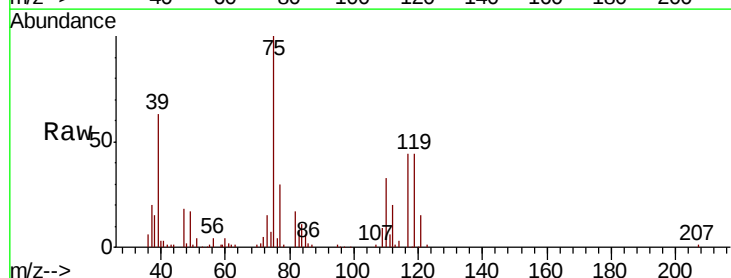
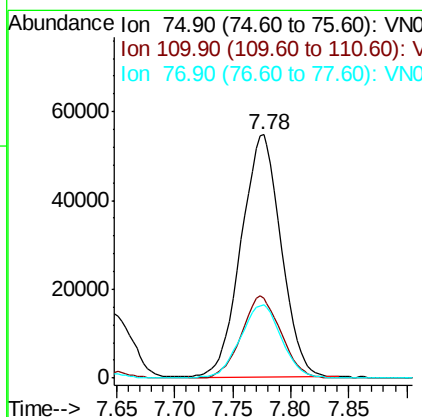
Manual Integrations  
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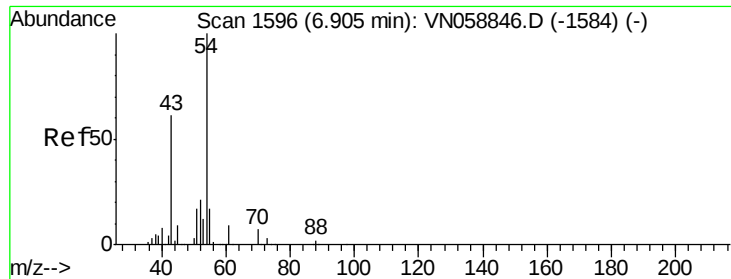
MMDadoda  
 10/21/2019 10:47:11 AM



#36  
 1,1-Dichloropropene  
 Concen: 20.358 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 130975 |       |       |
| 110     | 33.3  | 16.3   | 48.9  |       |
| 77      | 31.2  | 24.6   | 36.8  |       |





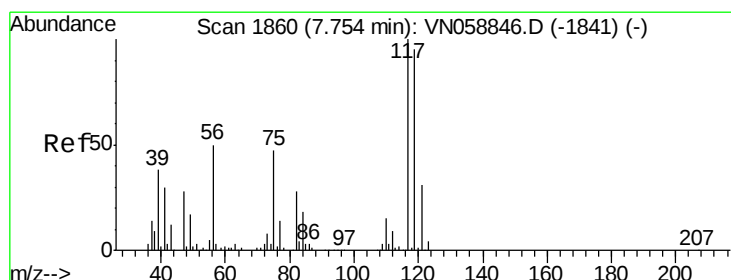
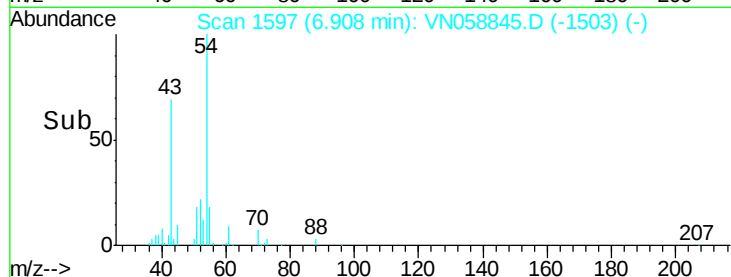
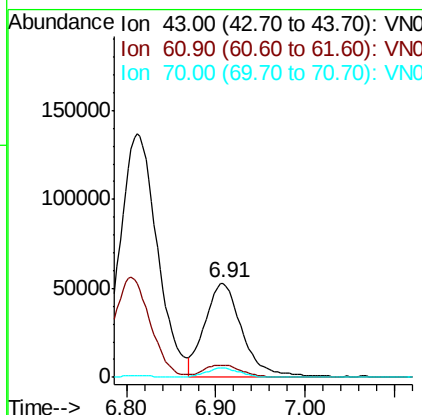
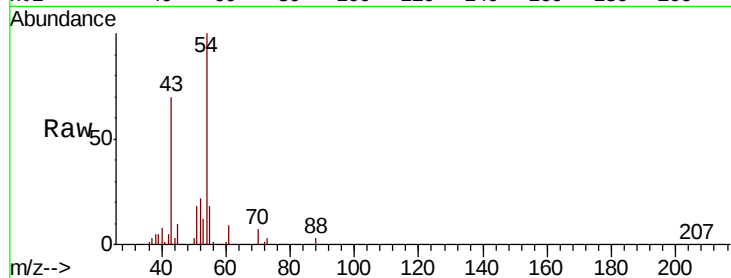
#37  
Ethyl Acetate  
Concen: 23.057 ug/l  
RT: 6.91 min Scan# 1597  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.8  | 10.5  | 15.7  |
| 70      | 9.3   | 7.6   | 11.4  |

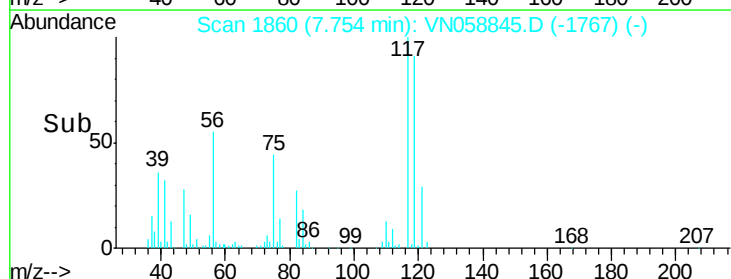
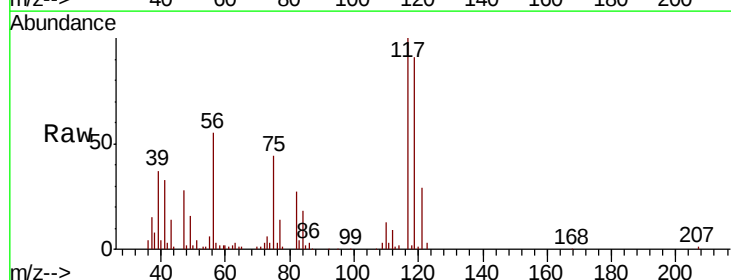
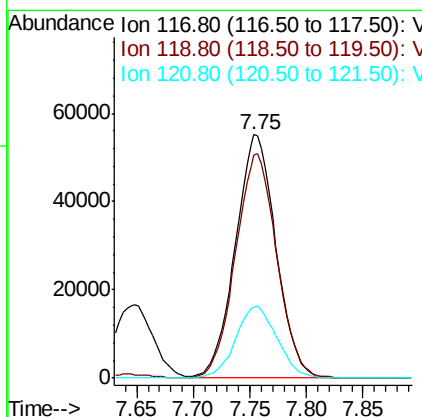
Manual Integrations  
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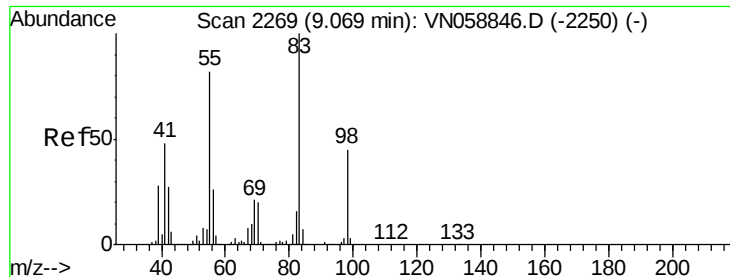
MMDadoda  
10/21/2019 10:47:11 AM



#38  
Carbon Tetrachloride  
Concen: 21.949 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.2  | 75.7  | 113.5 |
| 121     | 29.2  | 25.0  | 37.6  |





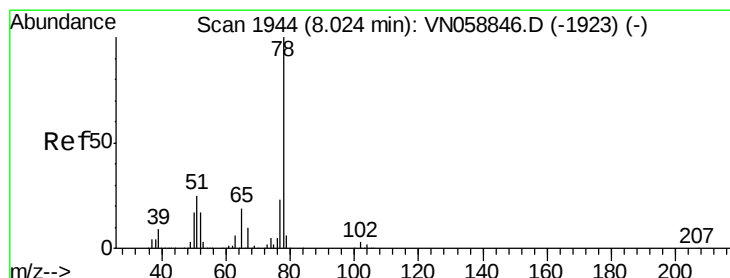
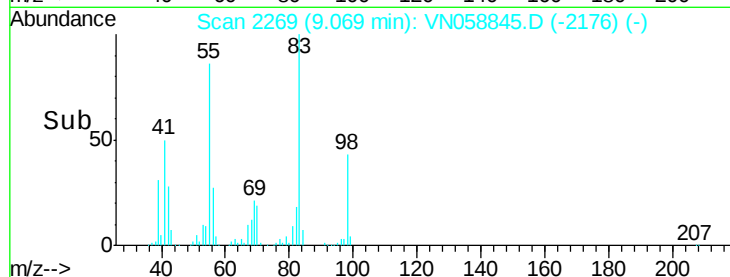
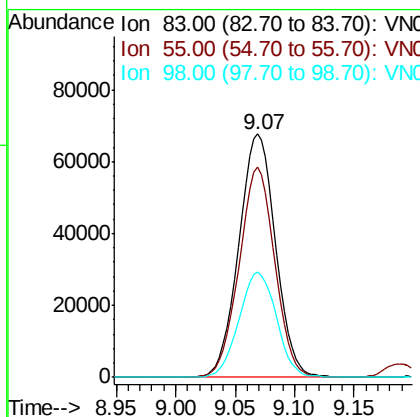
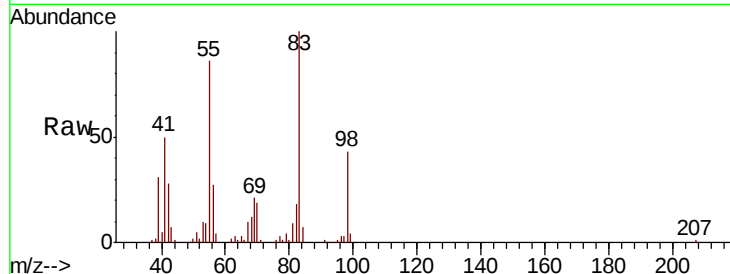
#39  
Methvlcvclohexane  
Concen: 19.496 ug/l  
RT: 9.07 min Scan# 2269  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion   | 83    | Resp  | 144768 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 86.4  | 65.5  | 98.3   |
| 98        | 43.1  | 35.7  | 53.5   |

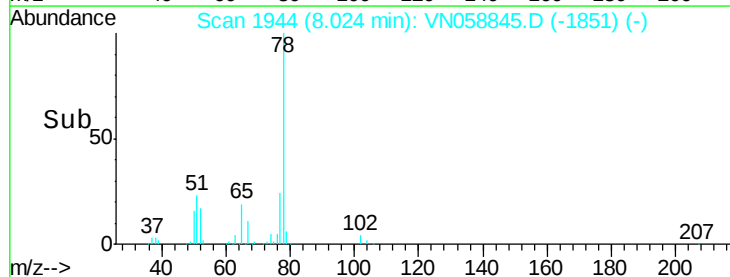
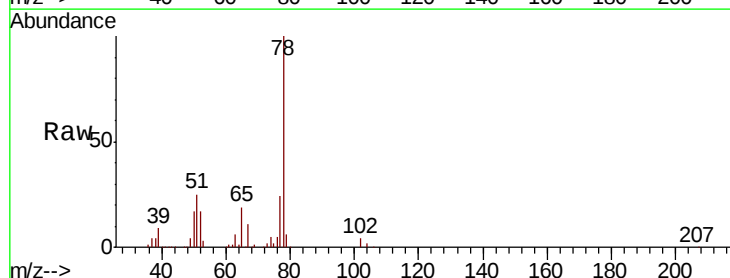
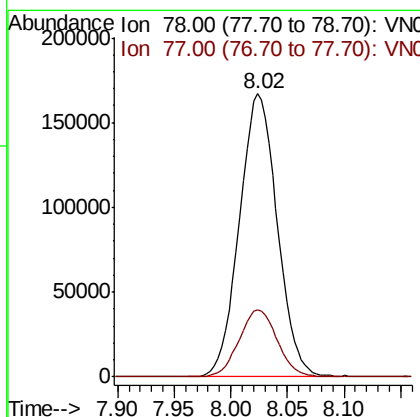
Manual Integrations  
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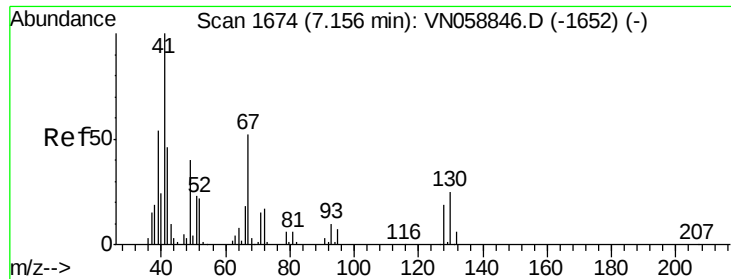
MMDadoda  
10/21/2019 10:47:11 AM



#40  
Benzene  
Concen: 21.017 ug/l  
RT: 8.02 min Scan# 1944  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion   | 78    | Resp  | 389177 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.7  | 18.2  | 27.2   |





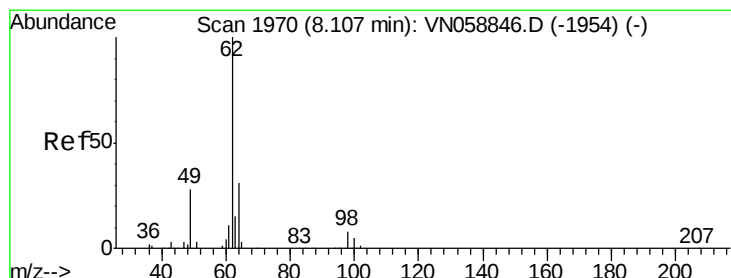
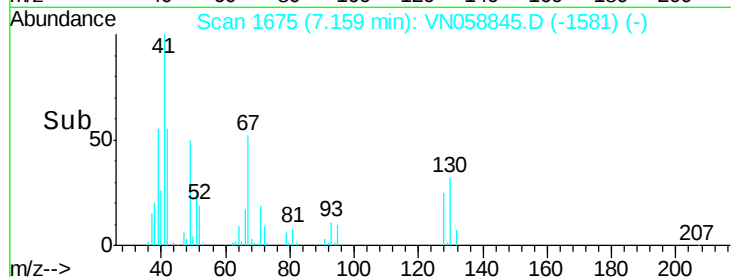
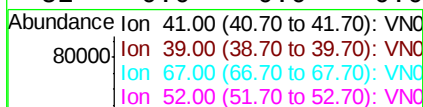
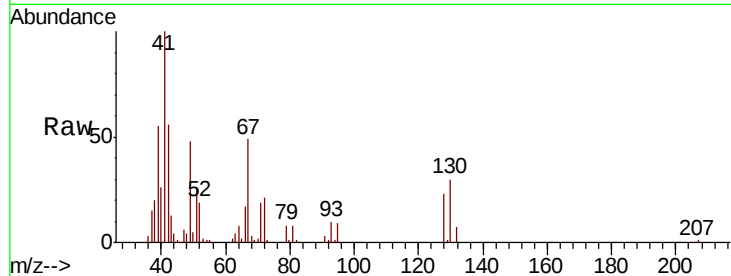
#41  
Methacrylonitrile  
Concen: 21.146 ug/l m  
RT: 7.16 min Scan# 1675  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ion   | Ratio | Resp | Lower | Upper |
|---------|-------|-------|------|-------|-------|
| 41      | 100   |       |      |       |       |
| 39      | 179.5 | 0.0   | 0.0  |       |       |
| 67      | 0.0   | 0.0   | 0.0  |       |       |
| 52      | 0.0   | 0.0   | 0.0  |       |       |

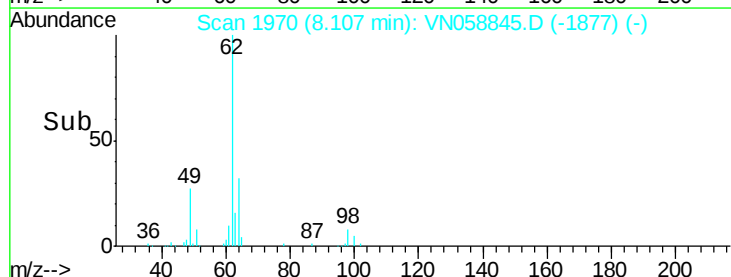
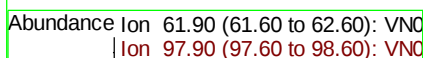
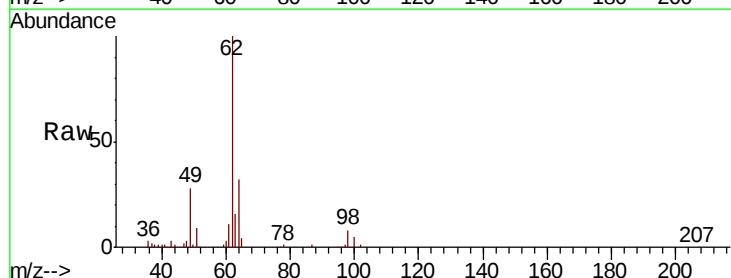
Manual Integrations  
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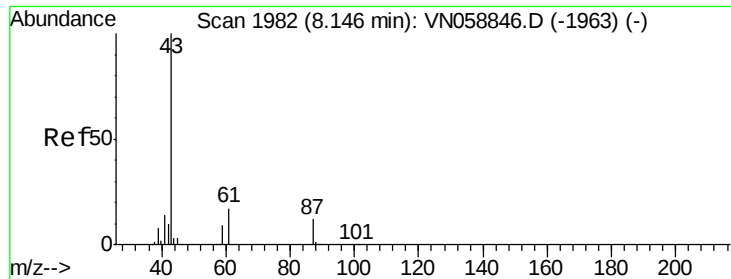
MMDadoda  
10/21/2019 10:47:11 AM



#42  
1,2-Dichloroethane  
Concen: 21.218 ug/l  
RT: 8.11 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 7.8 | 0.0   | 16.2 |       |       |





#43

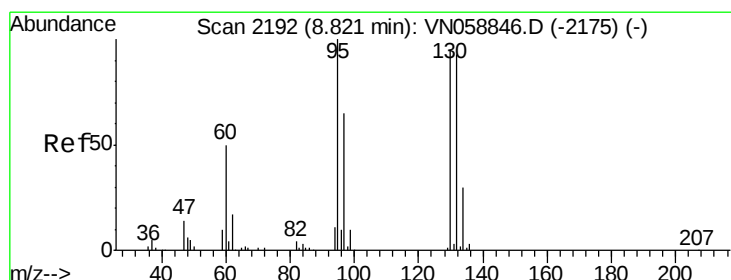
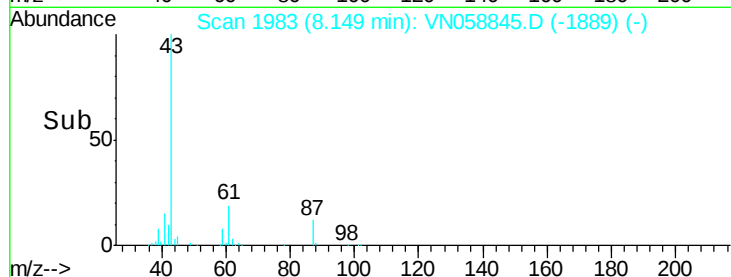
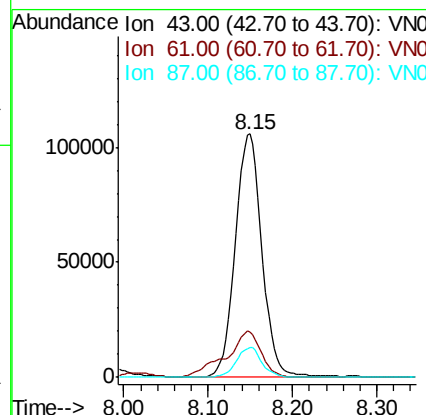
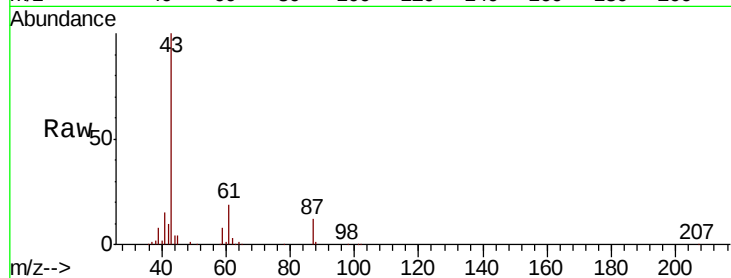
Isopropyl Acetate  
 Concen: 20.977 ug/l  
 RT: 8.15 min Scan# 1983  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.1  | 20.2  | 30.2  |
| 87      | 11.8  | 9.5   | 14.3  |

Manual Integrations  
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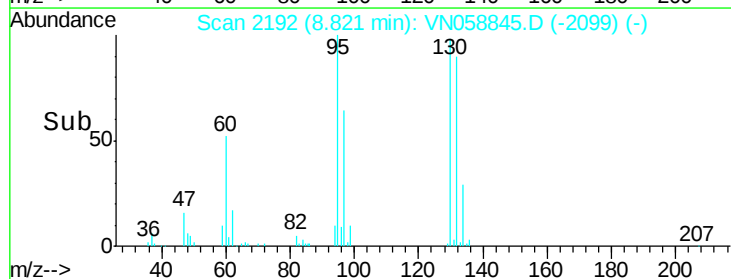
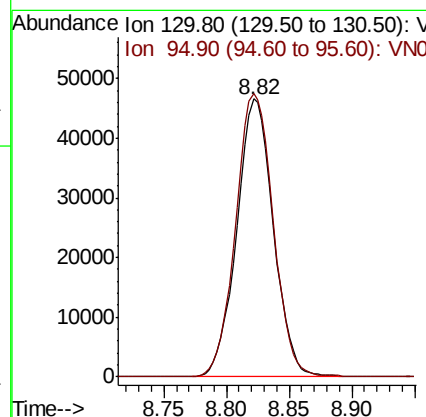
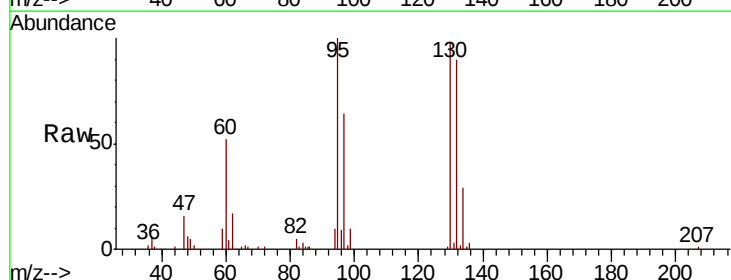
MMDadoda  
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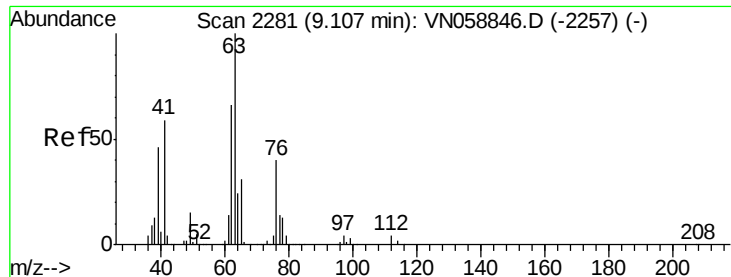


#44

Trichloroethene  
 Concen: 20.684 ug/l  
 RT: 8.82 min Scan# 2192  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.9 | 0.0   | 209.6 |





#45

1,2-Dichloropropane

Concen: 21.646 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 107452

Ion Ratio Lower Upper

63 100

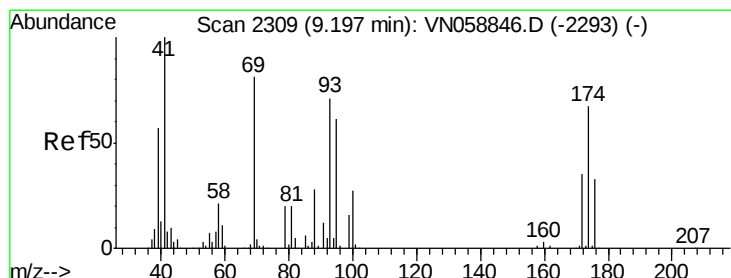
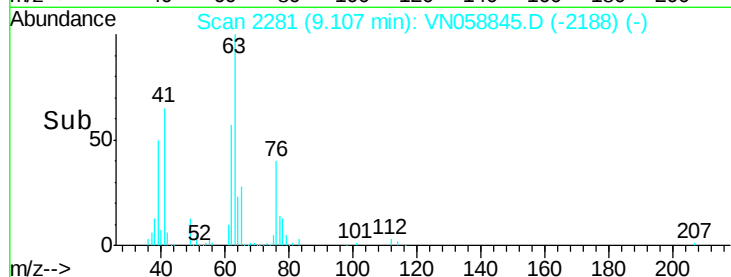
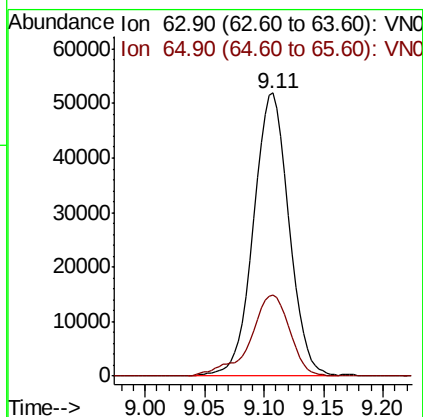
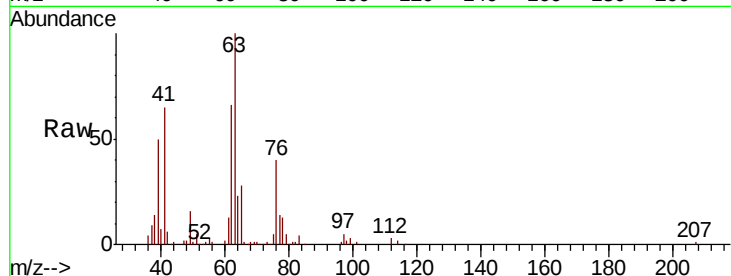
65 28.5 24.5 36.7

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#46

Dibromomethane

Concen: 21.471 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

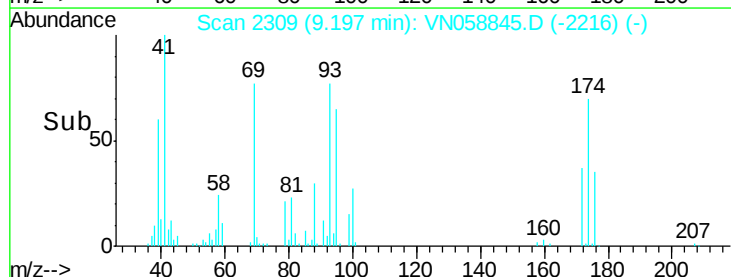
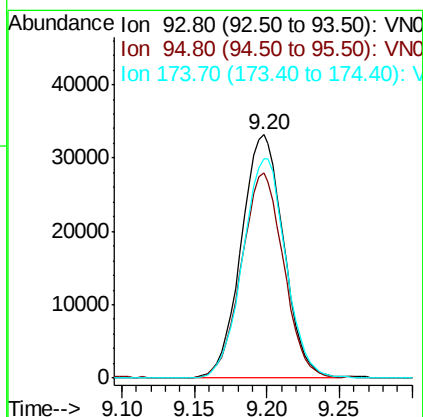
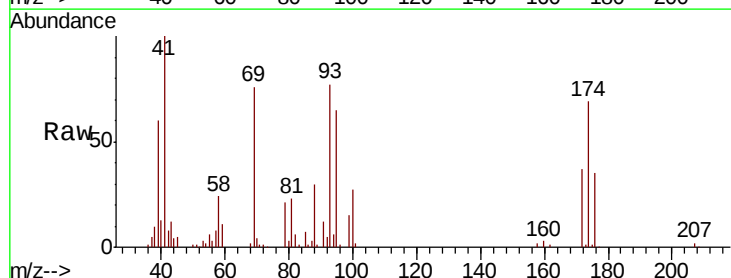
Tgt Ion: 93 Resp: 67343

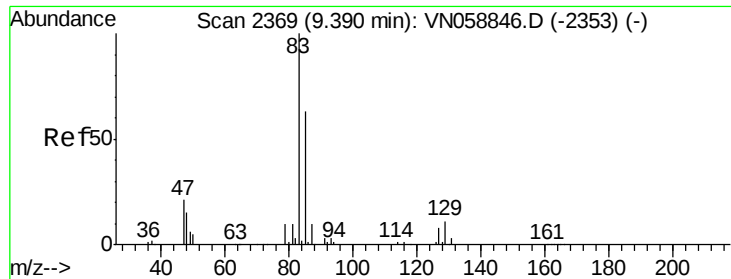
Ion Ratio Lower Upper

93 100

95 84.0 67.6 101.4

174 91.5 74.1 111.1





#47

Bromodichloromethane

Concen: 21.755 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

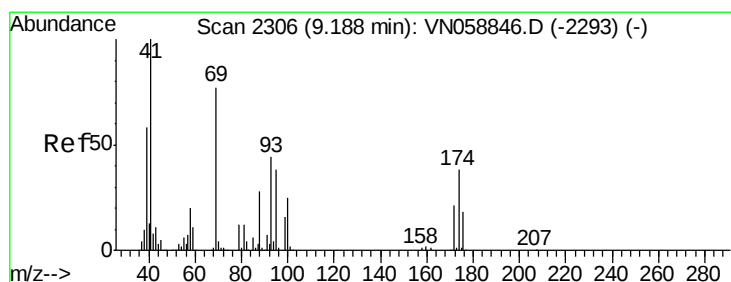
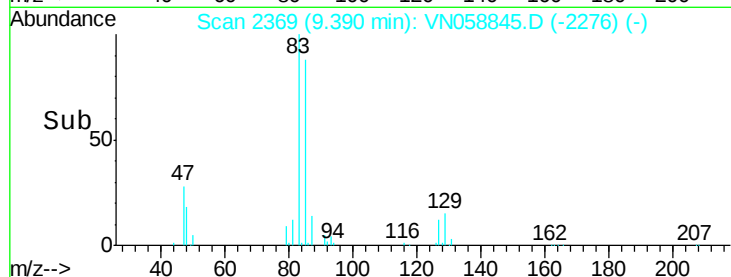
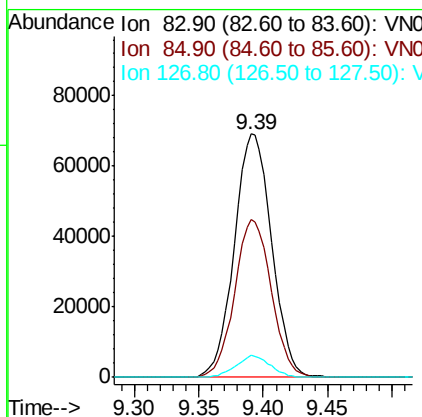
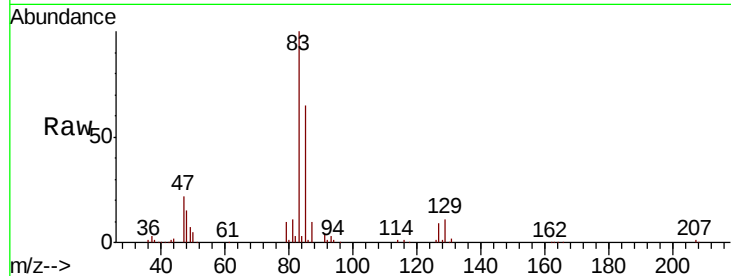
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 139244 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.8  | 50.6  | 75.8   |
| 127       | 8.9   | 6.5   | 9.7    |

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#48

Methyl methacrylate

Concen: 20.519 ug/l

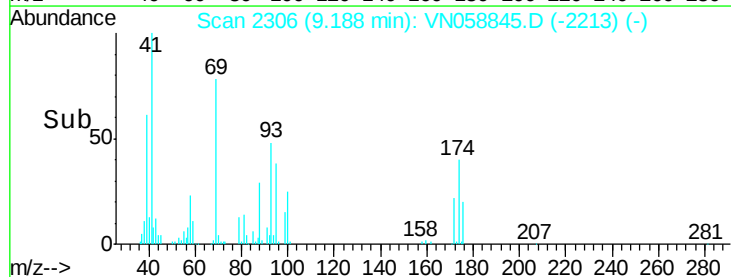
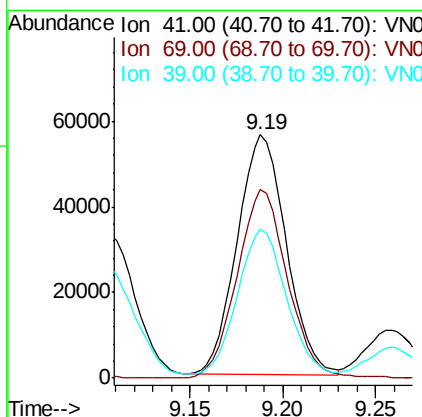
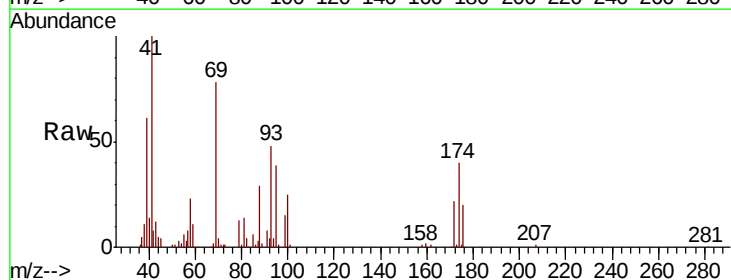
RT: 9.19 min Scan# 2306

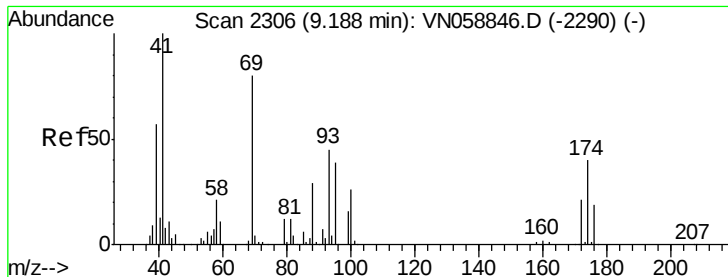
Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 103723 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 80.6  | 63.8  | 95.6   |
| 39        | 62.4  | 47.8  | 71.8   |





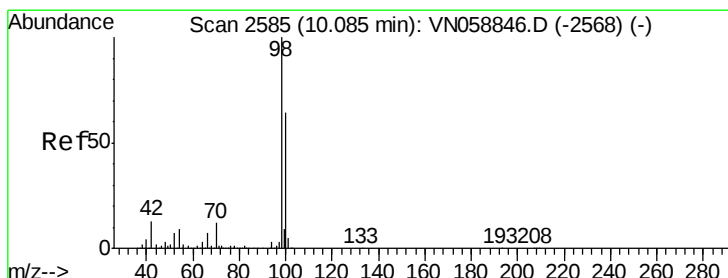
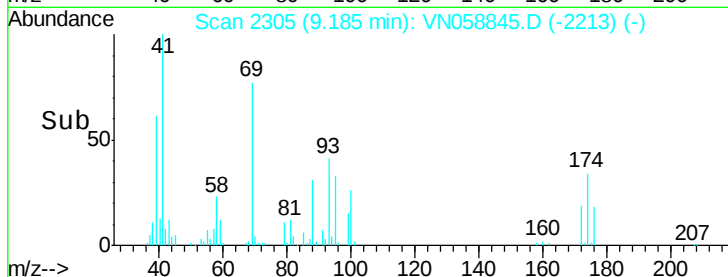
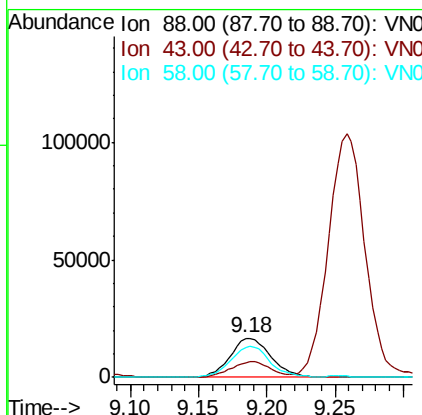
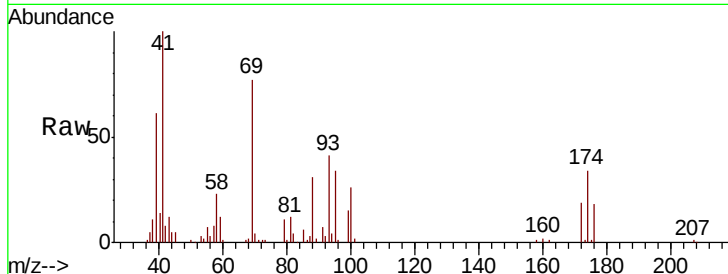
#49  
1,4-Dioxane  
Concen: 440.740 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 39.2  | 29.1  | 43.7  |
| 58      | 76.3  | 59.4  | 89.0  |

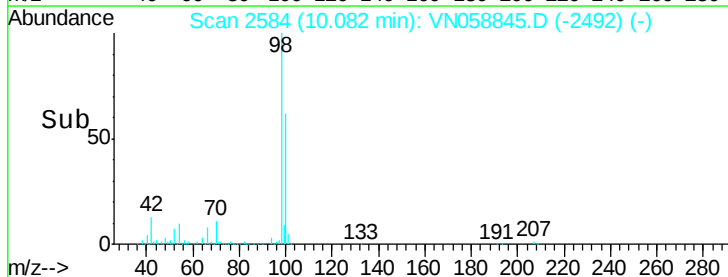
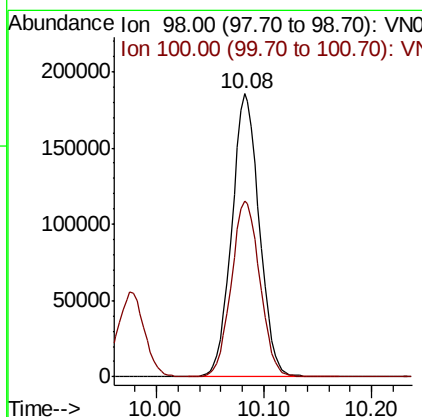
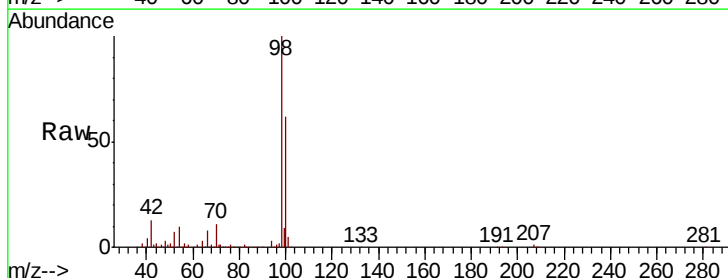
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#50  
Toluene-d8  
Concen: 21.072 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. -0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 51.4  | 77.2  |





#51

4-Methyl-2-Pentanone

Concen: 120.078 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 754955

Ion Ratio Lower Upper

43 100

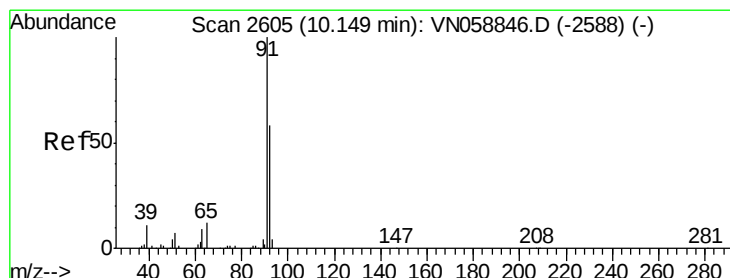
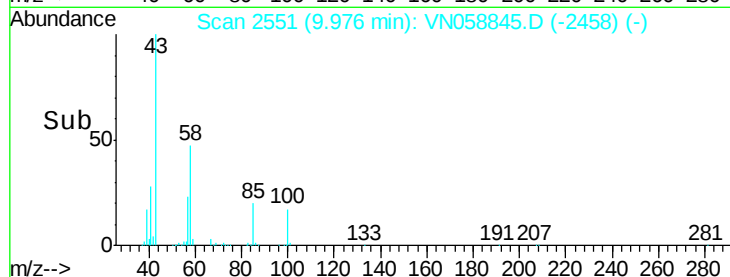
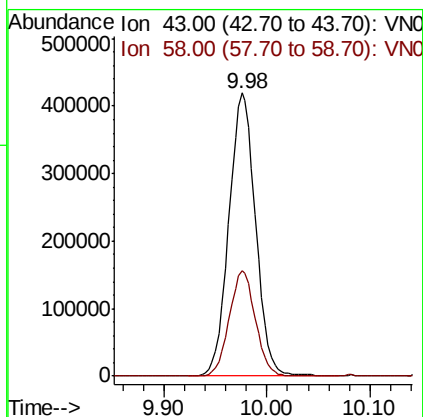
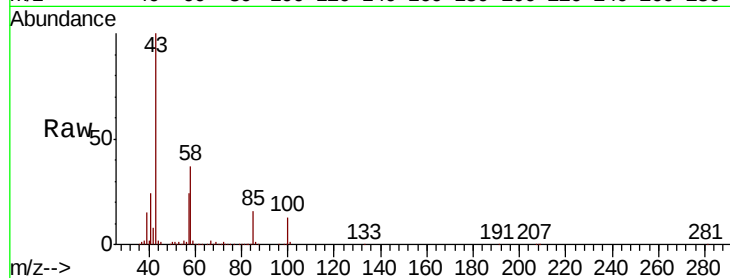
58 36.7 29.9 44.9

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#52

Toluene

Concen: 21.216 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058845.D

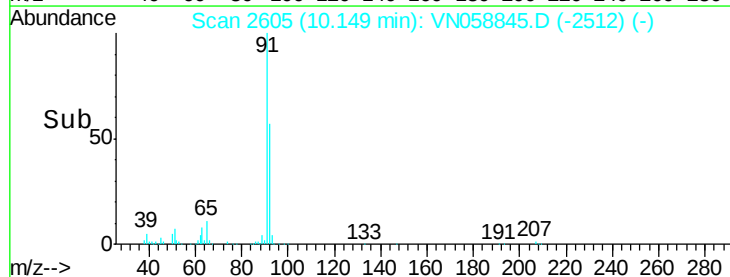
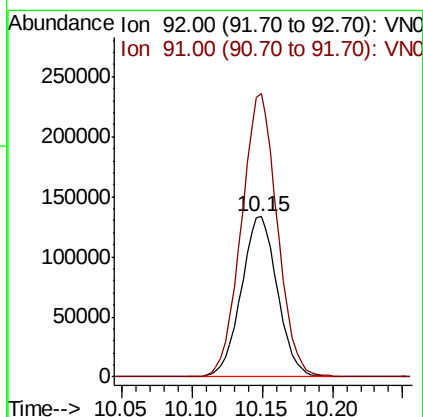
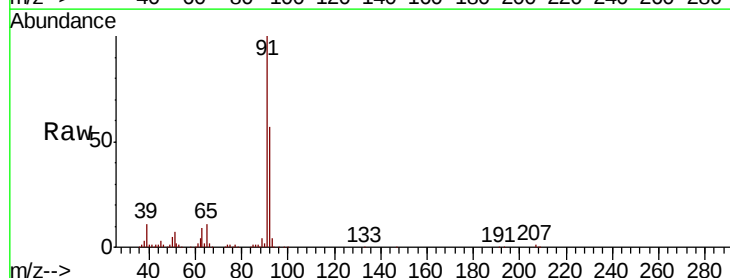
Acq: 18 Oct 2019 9:37

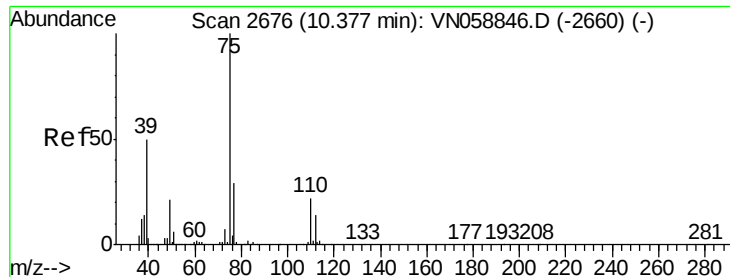
Tgt Ion: 92 Resp: 239780

Ion Ratio Lower Upper

92 100

91 175.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 20.797 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 152554

Ion Ratio Lower Upper

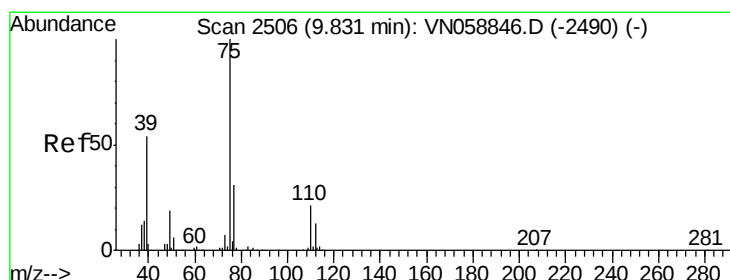
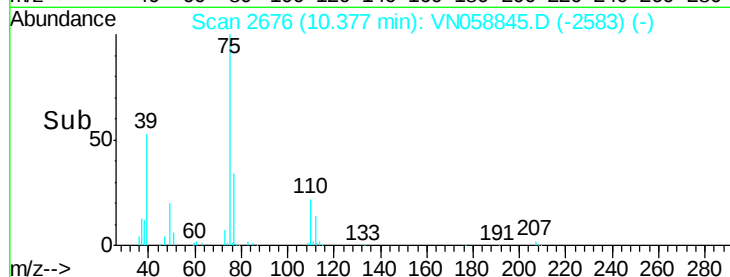
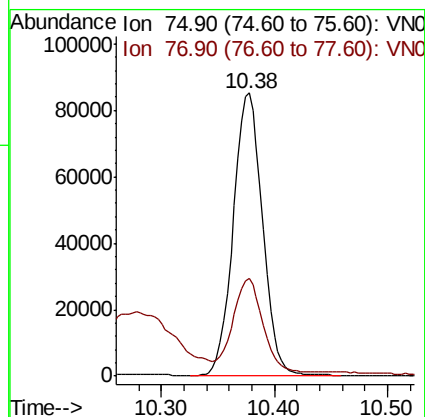
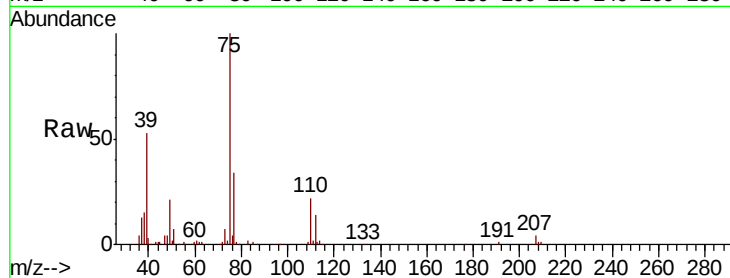
75 100

77 32.9 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 21.063 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

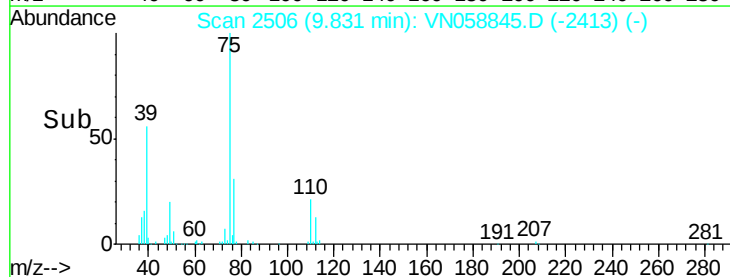
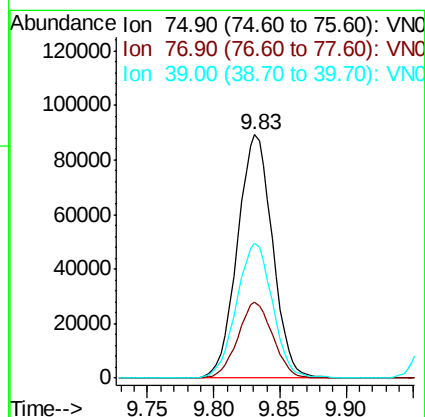
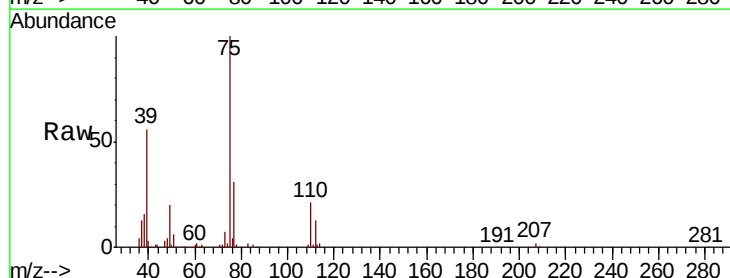
Tgt Ion: 75 Resp: 164288

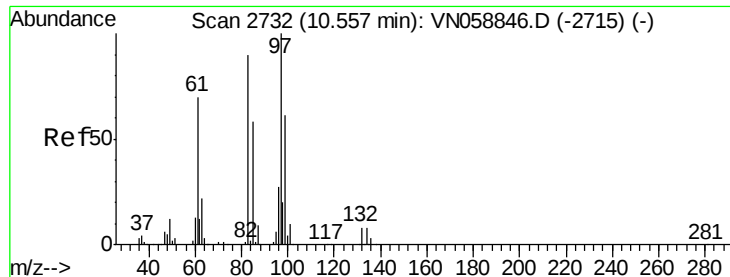
Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

39 55.4 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 20.785 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

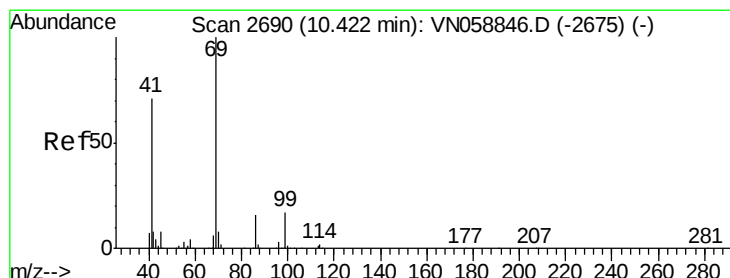
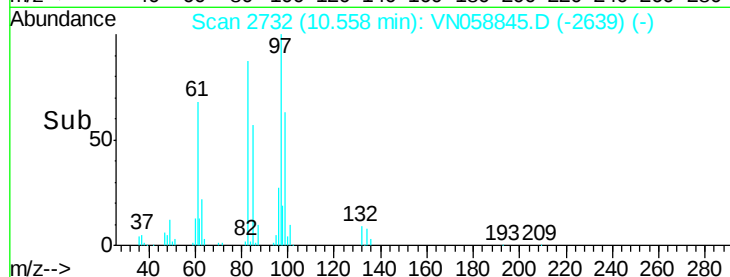
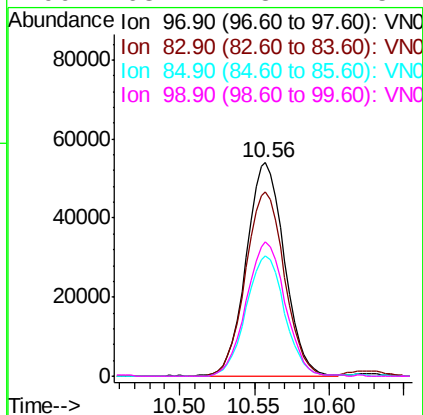
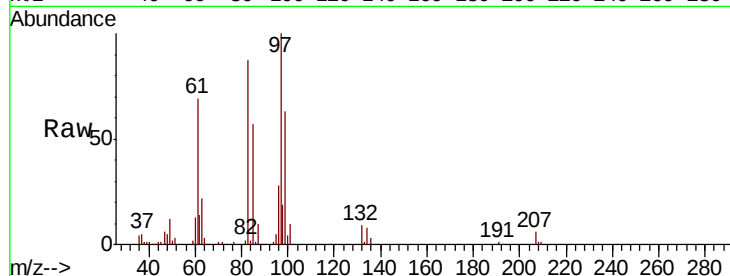
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 96206 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.5  | 72.2  | 108.4 |
| 85       | 56.5  | 46.2  | 69.2  |
| 99       | 63.1  | 48.7  | 73.1  |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 21.230 ug/l

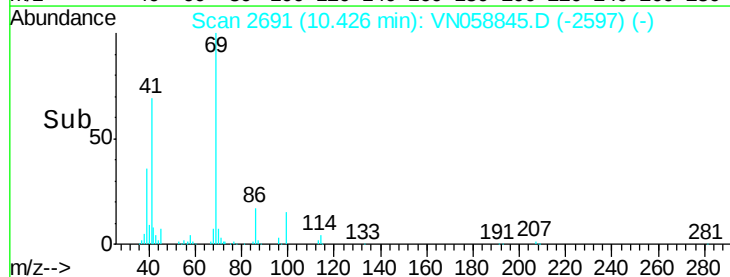
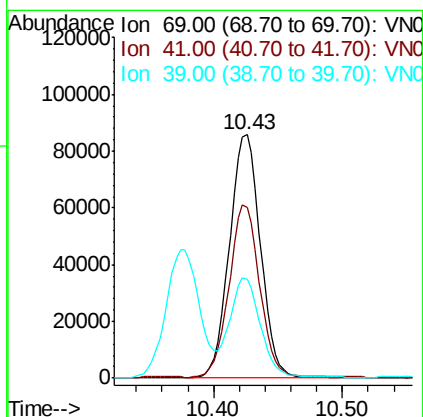
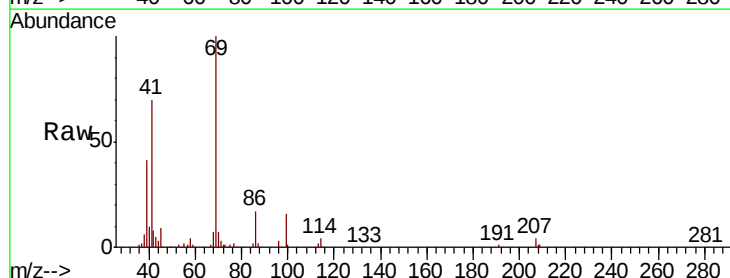
RT: 10.43 min Scan# 2691

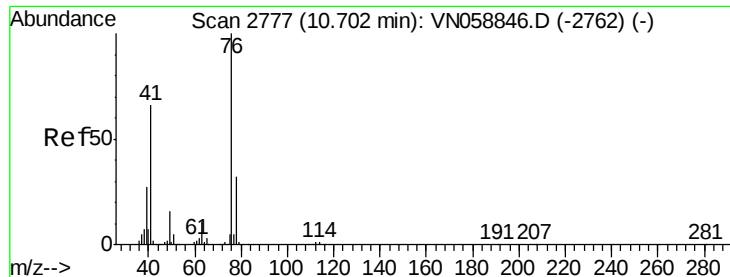
Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 143569 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.6  | 57.2  | 85.8   |
| 39       | 39.6  | 31.0  | 46.4   |





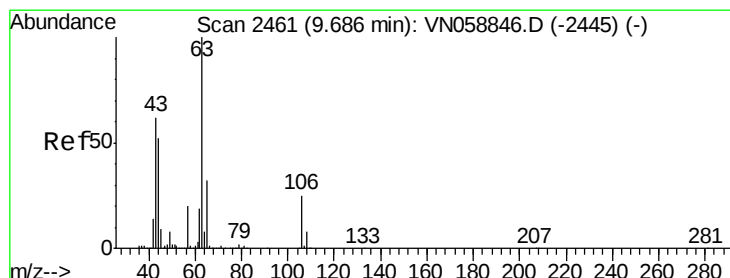
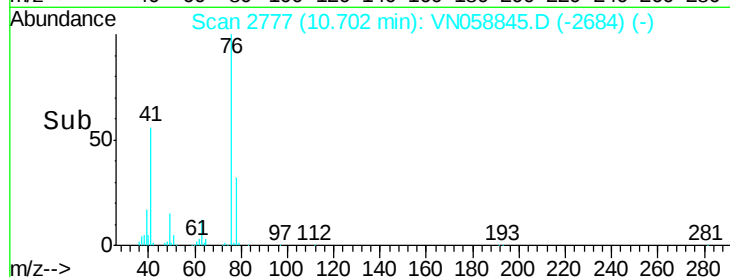
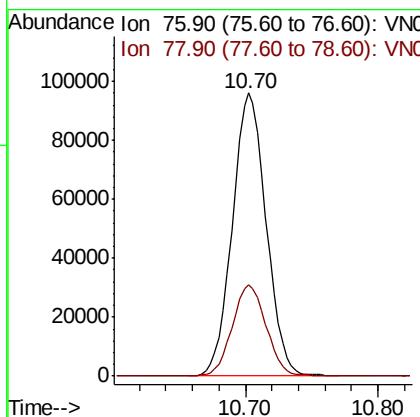
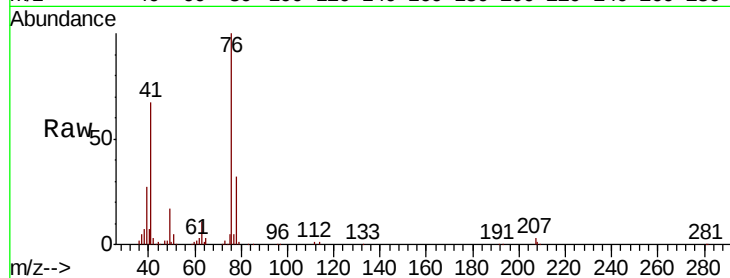
#57  
 1,3-Dichloropropane  
 Concen: 21.437 ug/l  
 RT: 10.70 min Scan# 2777  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.5  | 25.4  | 38.0  |

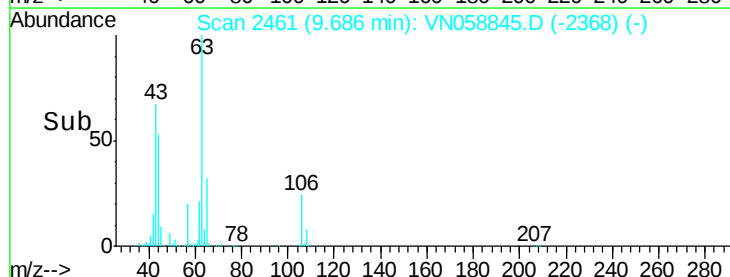
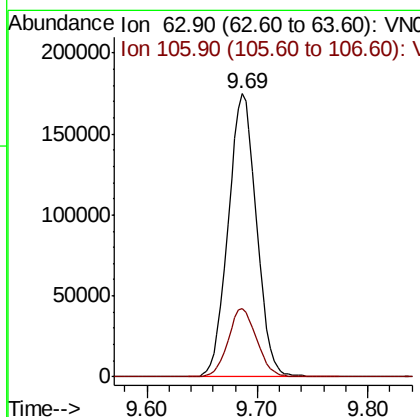
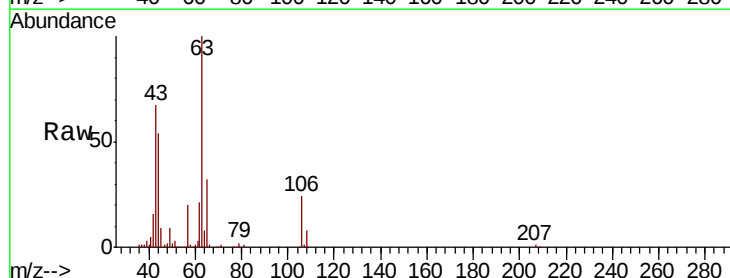
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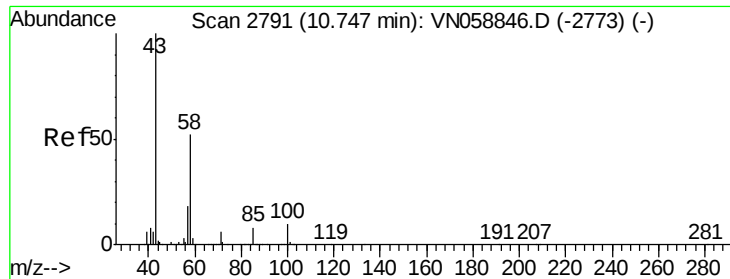
MMDadoda  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 97.268 ug/l  
 RT: 9.69 min Scan# 2461  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 24.4  | 19.8  | 29.8  |





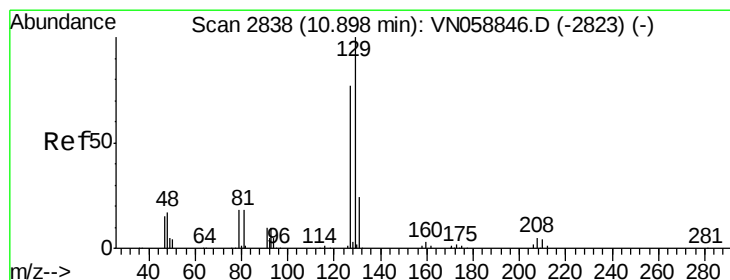
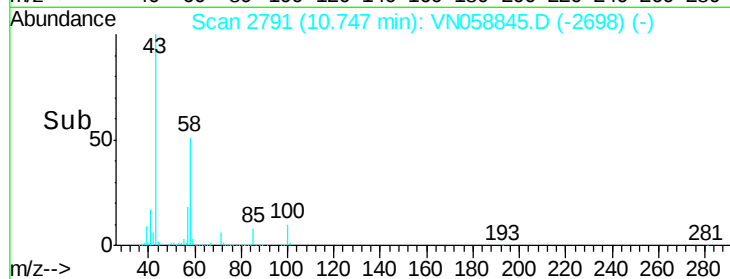
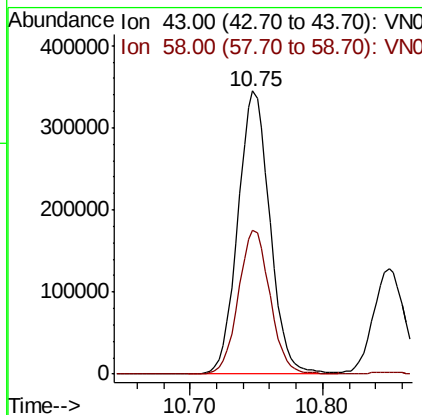
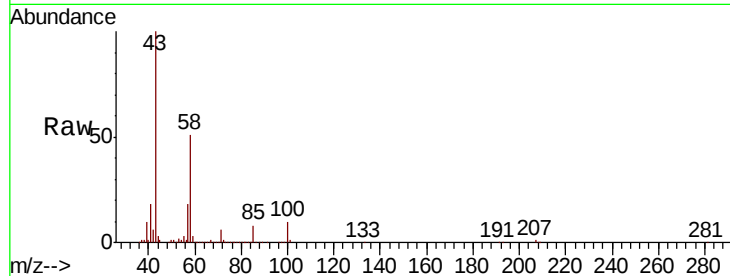
#59  
2-Hexanone  
Concen: 118.495 ug/l  
RT: 10.75 min Scan# 2791  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion: 43 Resp: 577517  
Ion Ratio Lower Upper  
43 100  
58 50.5 25.9 77.7

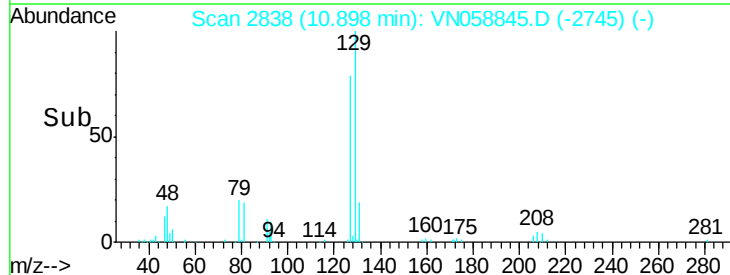
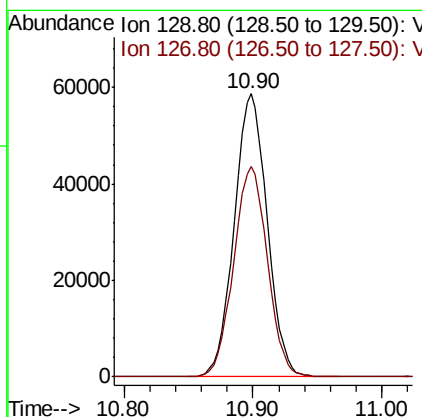
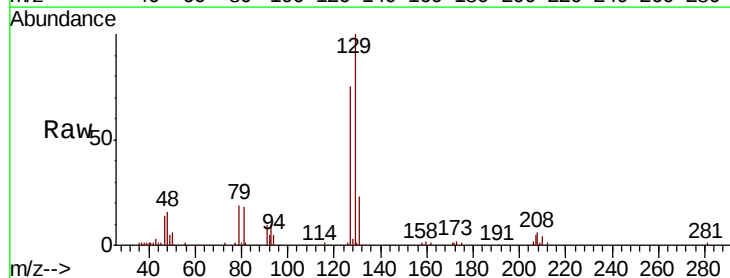
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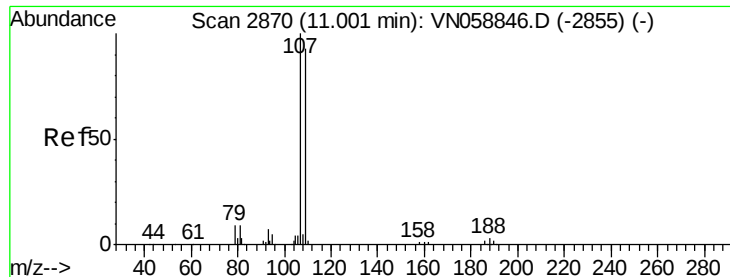
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 21.783 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Tgt Ion: 129 Resp: 104104  
Ion Ratio Lower Upper  
129 100  
127 76.2 39.1 117.3





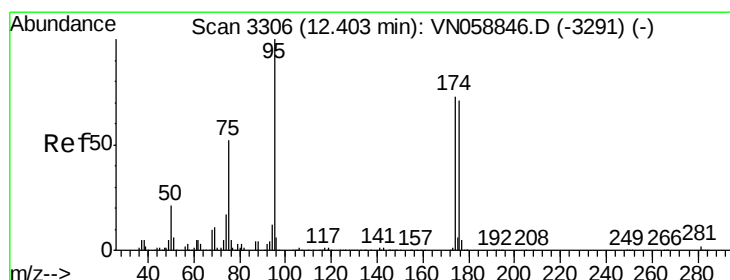
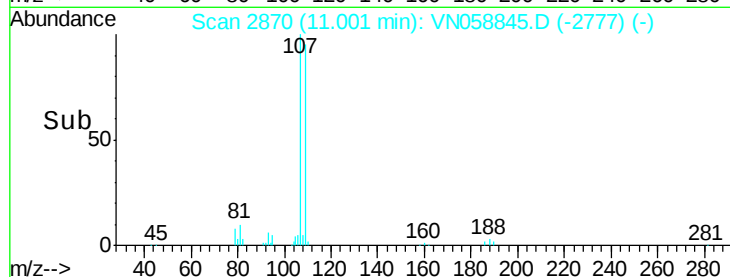
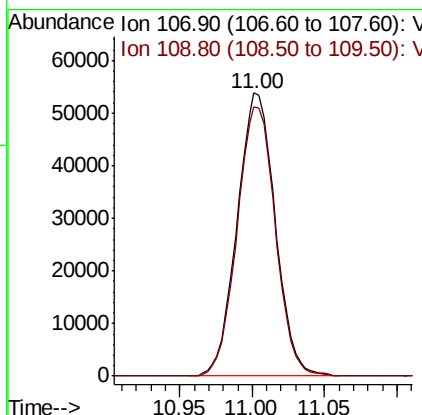
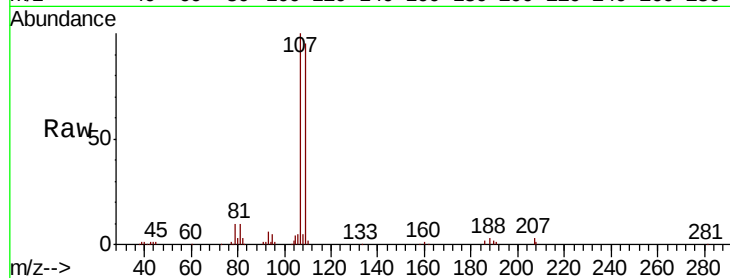
#61  
 1,2-Dibromoethane  
 Concen: 21.157 ug/l  
 RT: 11.00 min Scan# 2870  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Tot Ion: 107 Resp: 98166  
 Ion Ratio Lower Upper  
 107 100  
 109 95.7 75.2 112.8

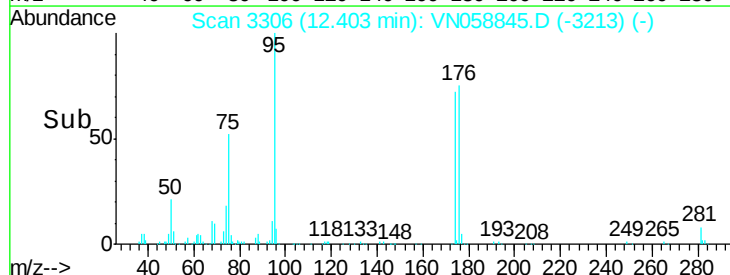
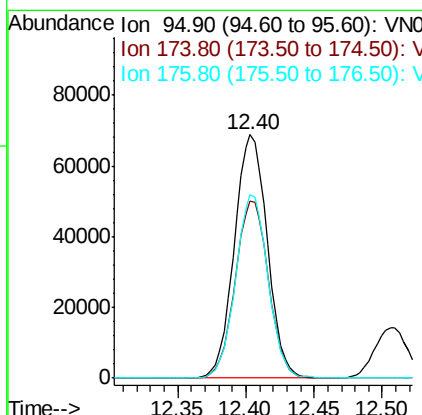
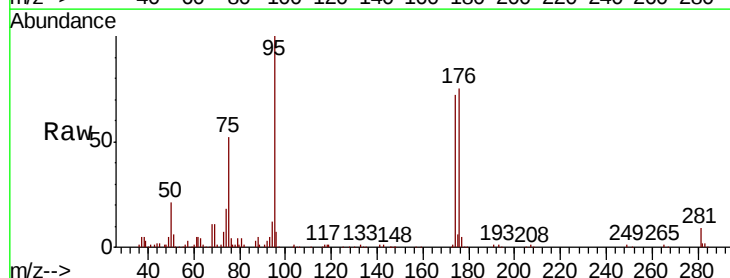
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#62  
 4-Bromofluorobenzene  
 Concen: 19.590 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Tgt Ion: 95 Resp: 115649  
 Ion Ratio Lower Upper  
 95 100  
 174 73.3 0.0 147.6  
 176 73.8 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

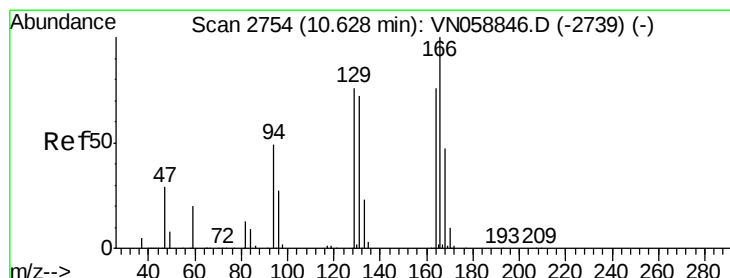
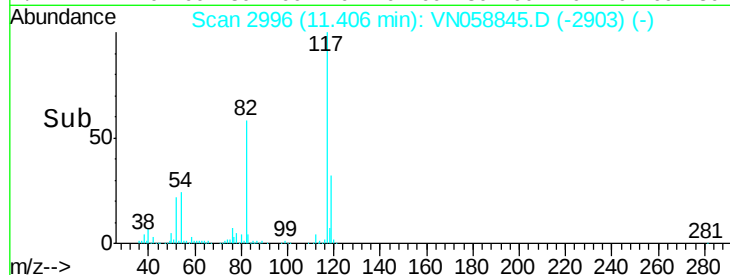
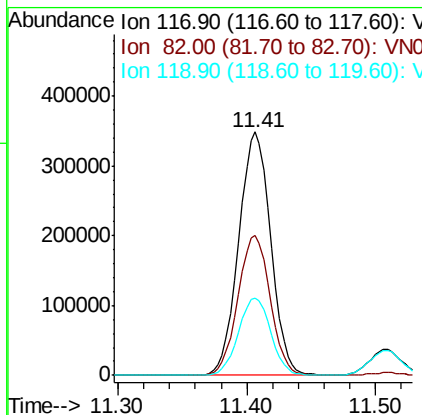
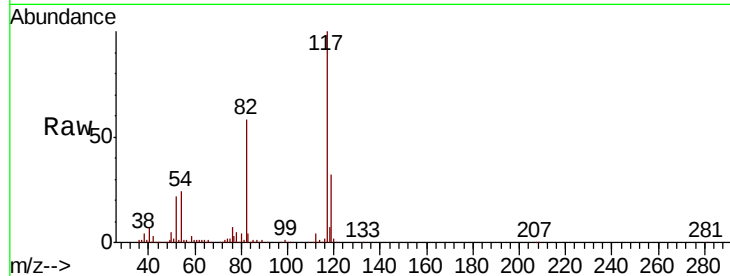
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 603354 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 57.7  | 46.6  | 69.8   |
| 119       | 32.0  | 25.6  | 38.4   |

Manual Integrations  
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#64

Tetrachloroethene

Concen: 19.935 ug/l

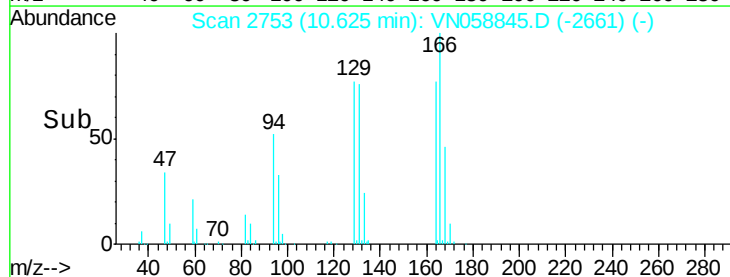
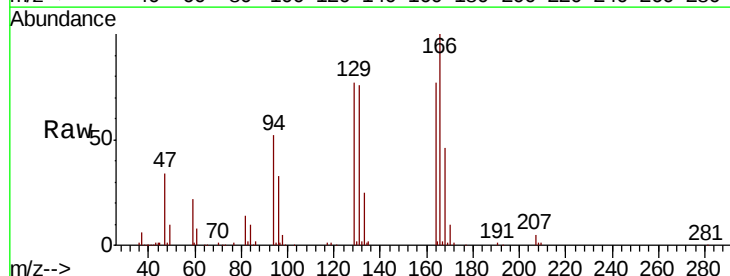
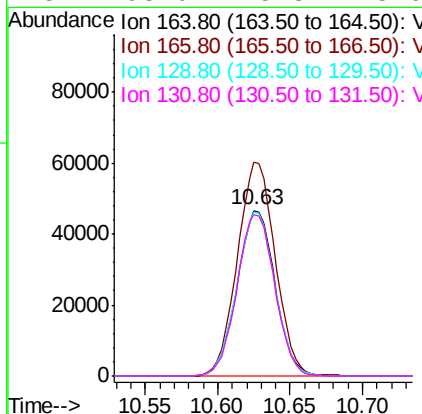
RT: 10.63 min Scan# 2753

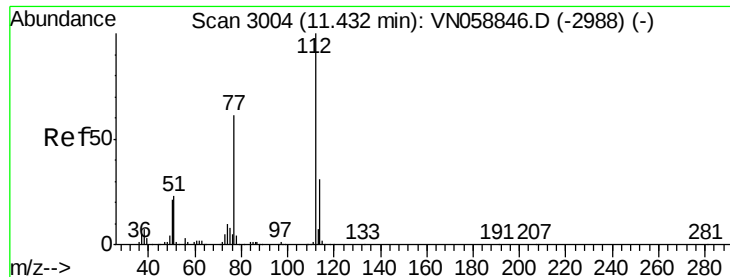
Delta R.T. -0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 84667 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 129.3 | 104.8 | 157.2 |
| 129       | 99.4  | 79.3  | 118.9 |
| 131       | 98.0  | 75.8  | 113.6 |





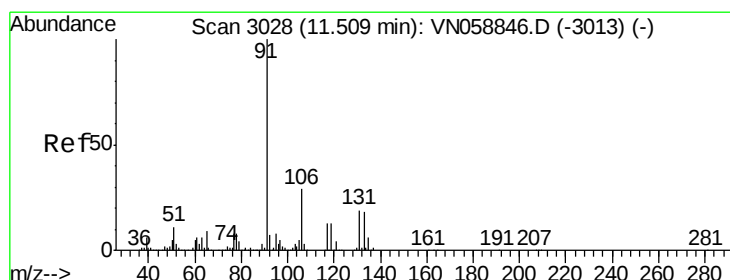
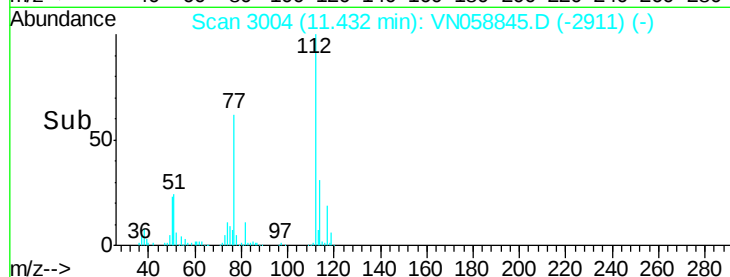
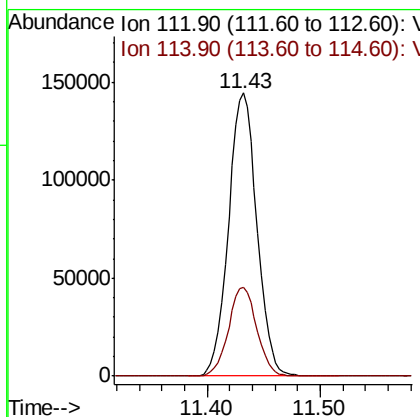
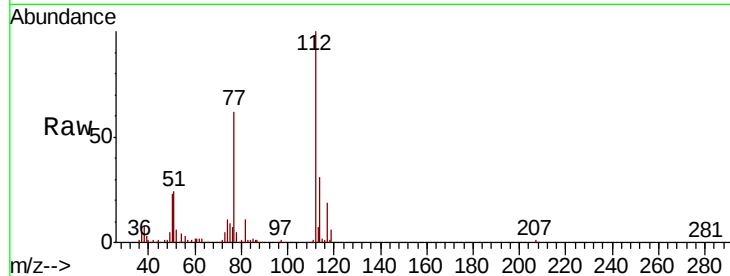
#65  
Chlorobenzene  
Concen: 20.430 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion:112 Resp: 251794  
Ion Ratio Lower Upper  
112 100  
114 31.3 25.1 37.7

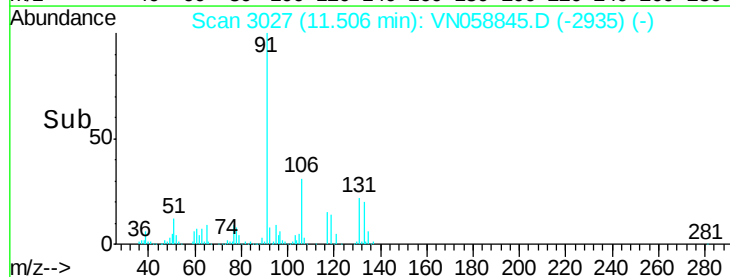
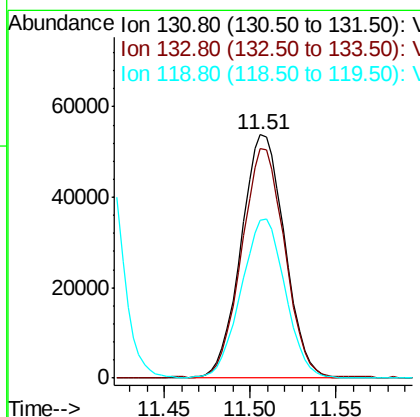
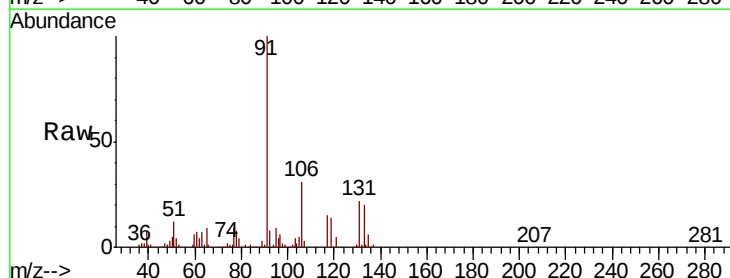
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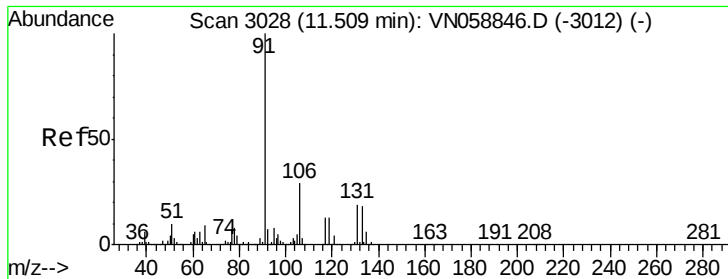
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.753 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Tgt Ion:131 Resp: 94665  
Ion Ratio Lower Upper  
131 100  
133 92.3 48.4 145.2  
119 66.3 33.6 100.8





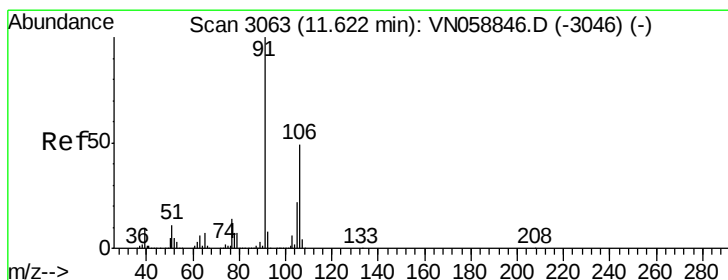
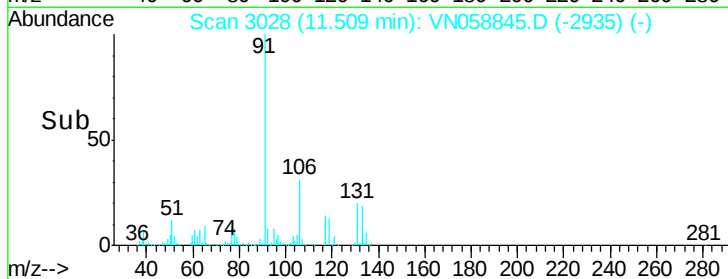
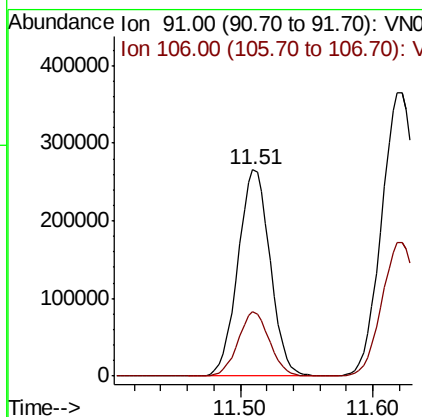
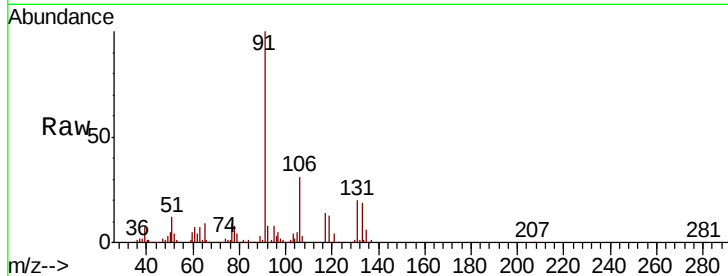
#67  
Ethyl Benzene  
Concen: 20.381 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion: 91 Resp: 447638  
Ion Ratio Lower Upper  
91 100  
106 31.2 23.4 35.0

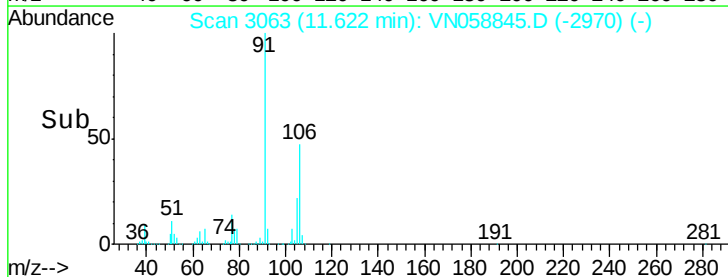
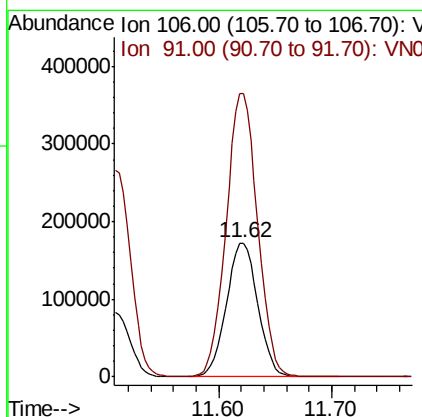
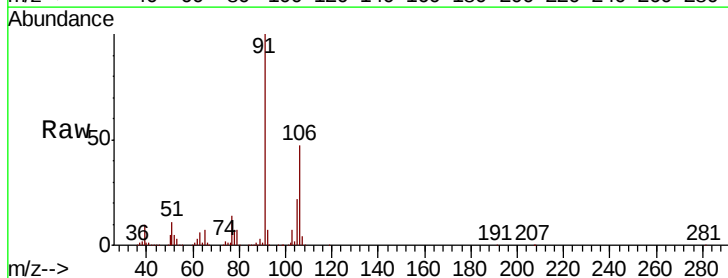
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#68  
m/p-Xylenes  
Concen: 40.258 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Tgt Ion: 106 Resp: 331711  
Ion Ratio Lower Upper  
106 100  
91 211.0 166.6 249.8





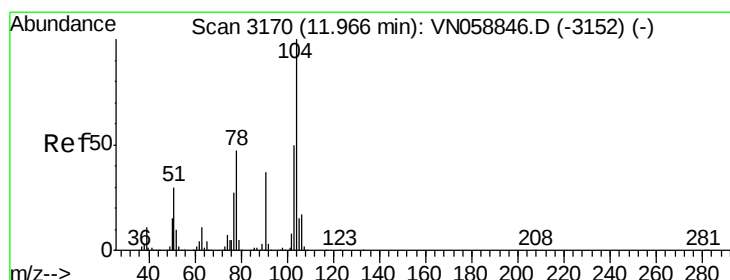
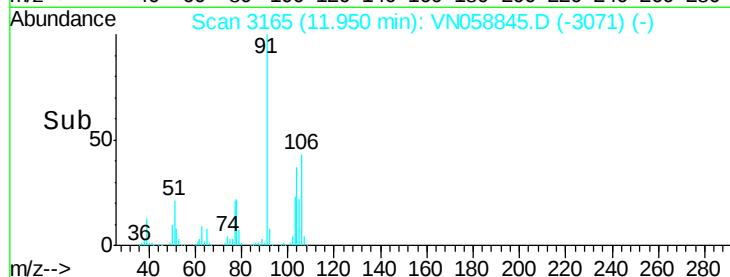
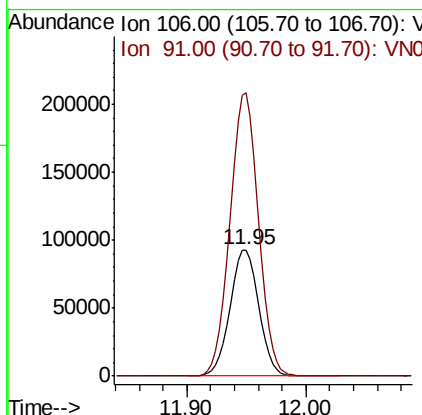
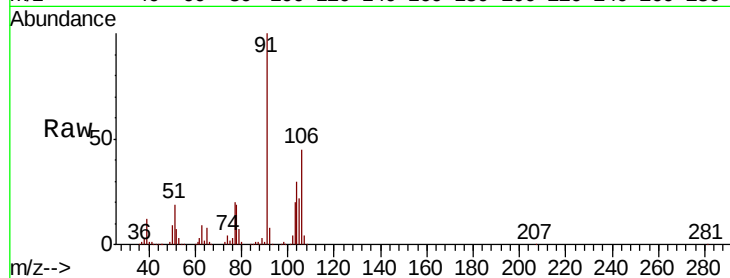
#69  
o-Xylene  
Concen: 19.548 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 222.1 | 111.5 | 334.4 |

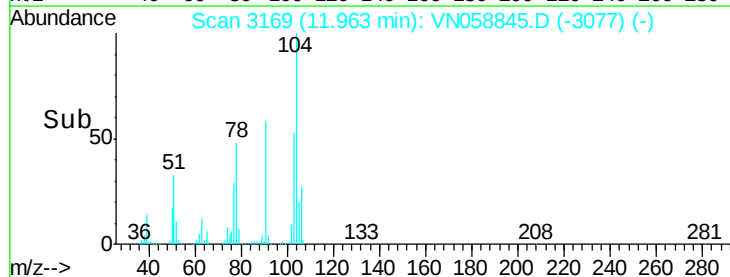
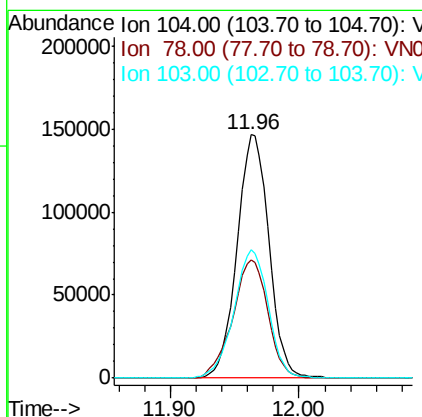
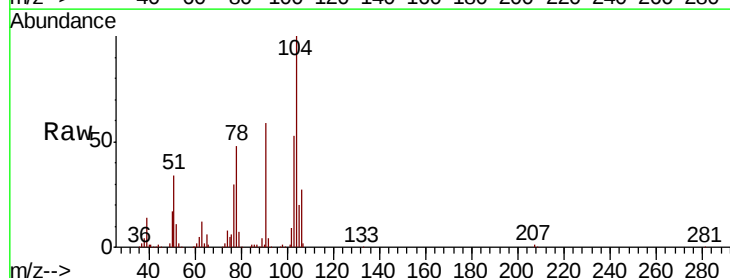
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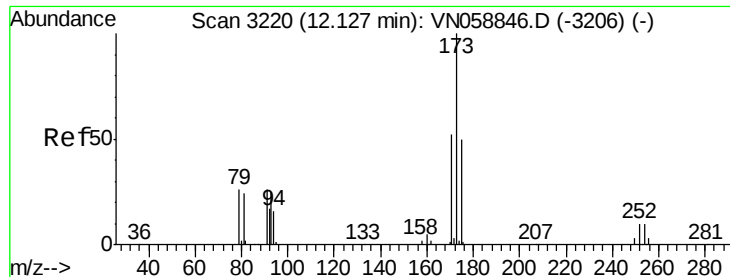
MMDadoda  
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#70  
Styrene  
Concen: 19.389 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 53.5  | 42.8  | 64.2  |
| 103     | 56.7  | 44.3  | 66.5  |





#71

Bromoform

Concen: 20.763 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

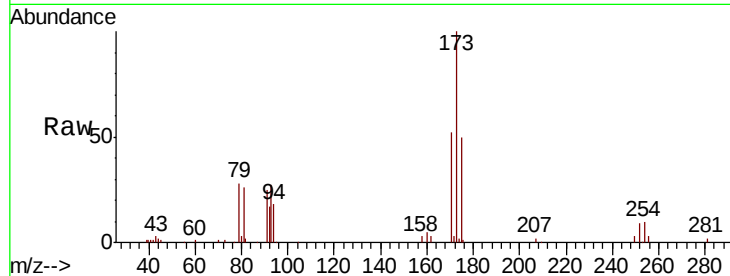
ClientSampled :

VSTDIC020

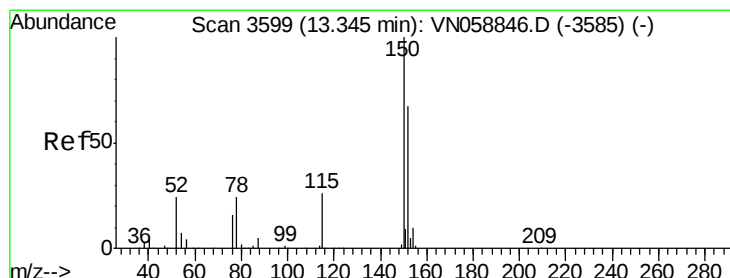
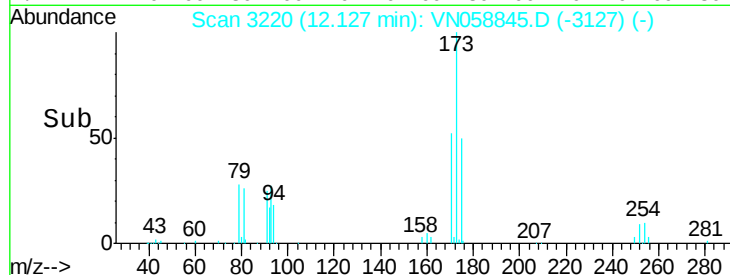
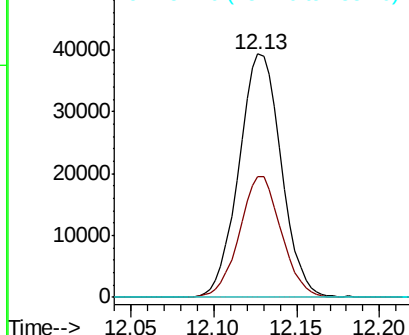
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 69888 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.8  | 24.7  | 74.1  |
| 254       | 0.0   | 0.0   | 0.0   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

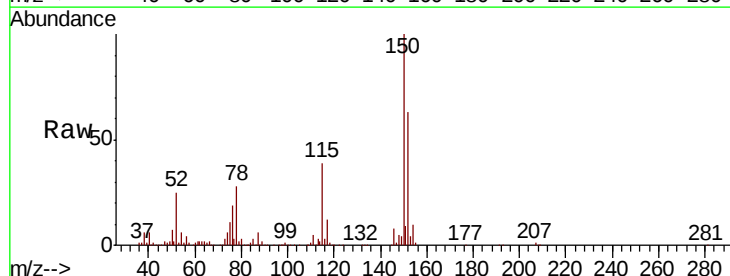
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

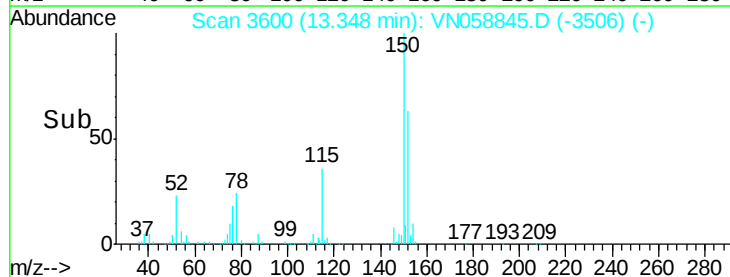
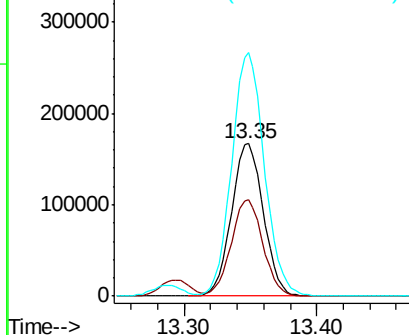
Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 277852 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 62.2  | 30.5  | 91.5   |
| 150       | 164.4 | 0.0   | 344.4  |



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





#73

Isopropylbenzene

Concen: 20.868 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 423017

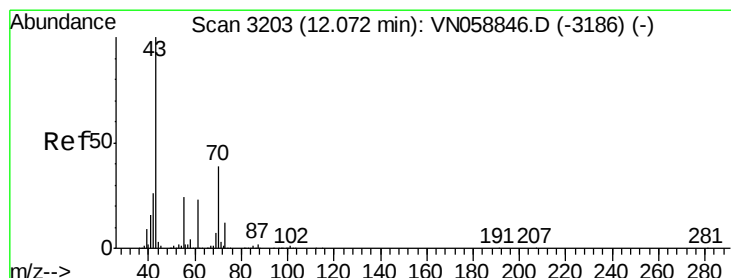
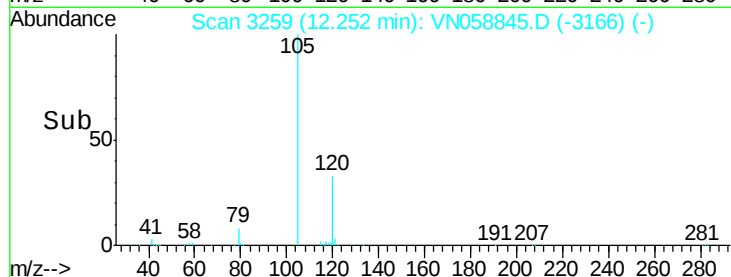
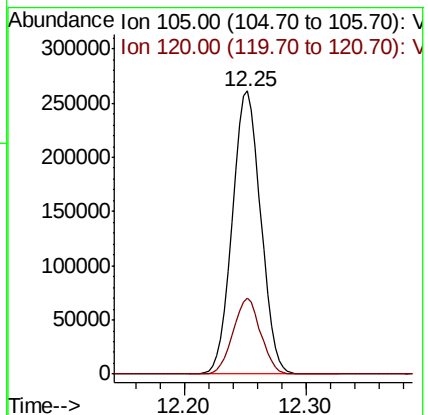
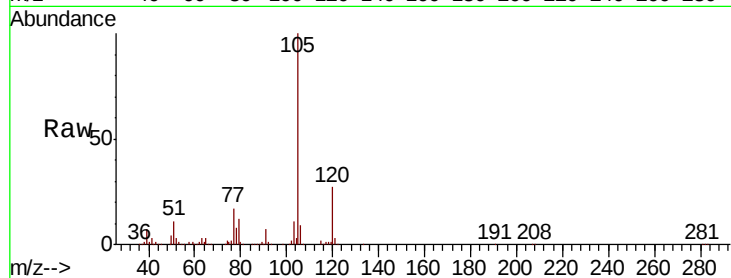
Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4

Manual Integrations  
APPROVED

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#74

N-ethyl acetate

Concen: 20.665 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Tgt Ion: 43 Resp: 189704

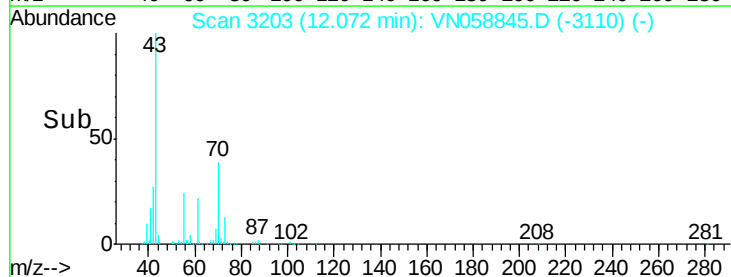
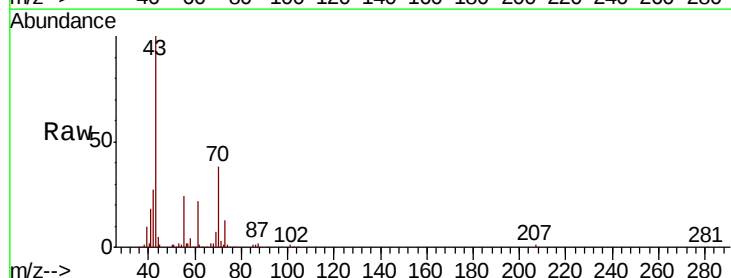
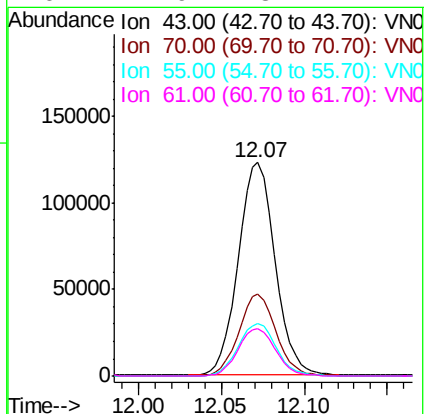
Ion Ratio Lower Upper

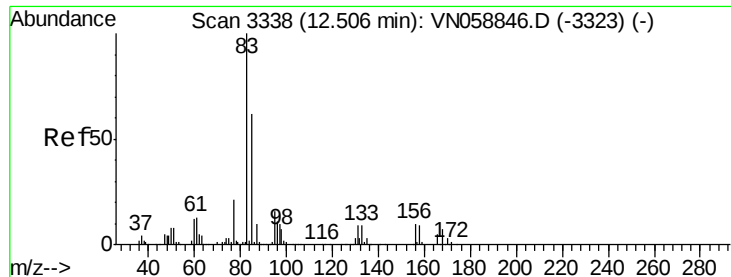
43 100

70 39.1 30.9 46.3

55 25.8 19.7 29.5

61 22.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.646 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

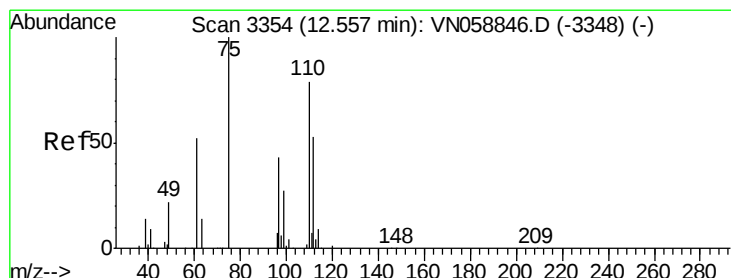
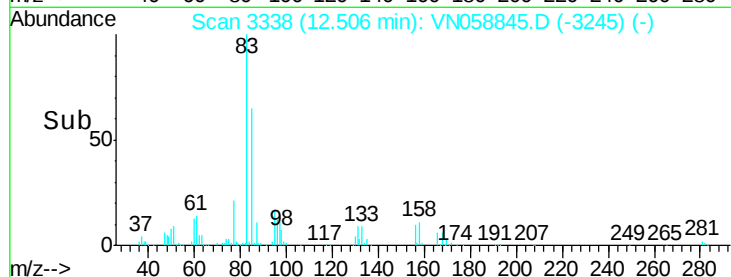
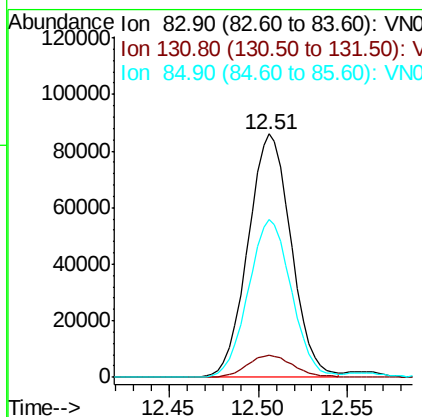
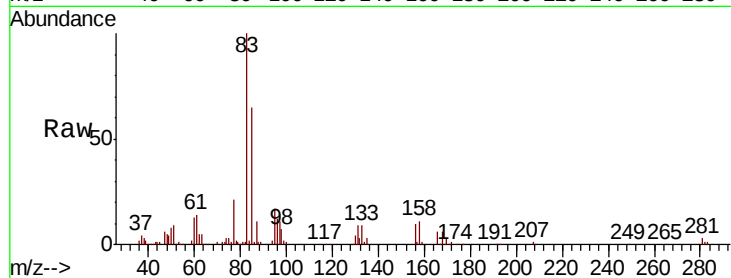
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 145710 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.7   | 4.7   | 14.1   |
| 85        | 64.7  | 31.7  | 95.1   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 22.608 ug/l m

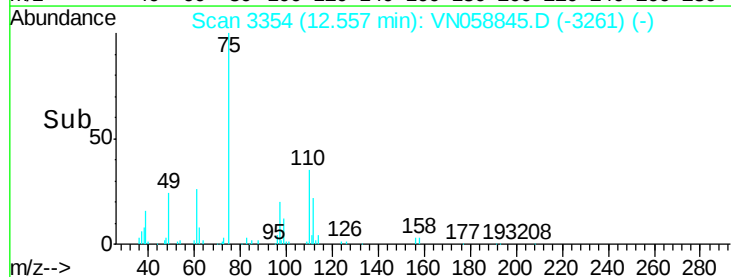
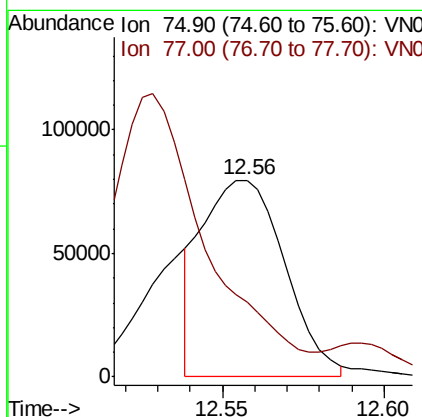
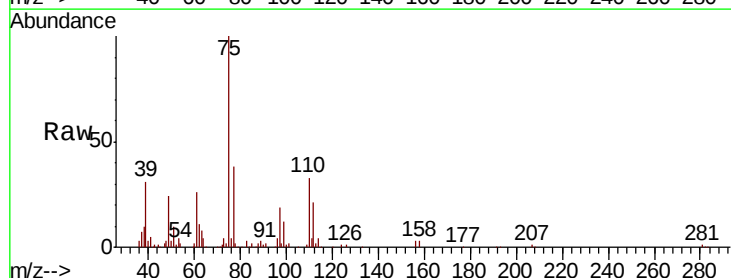
RT: 12.56 min Scan# 3354

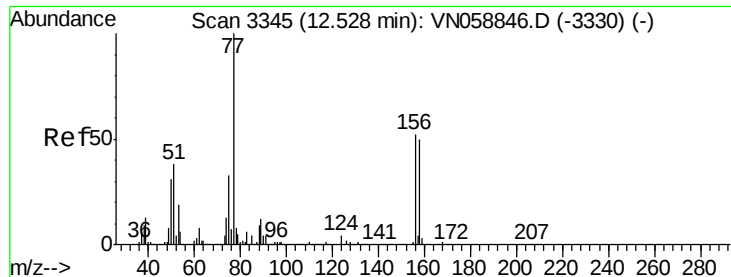
Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 141376 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





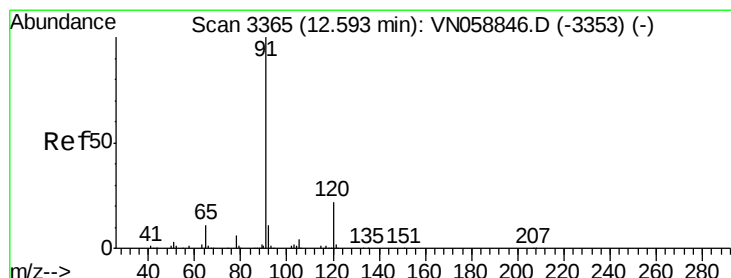
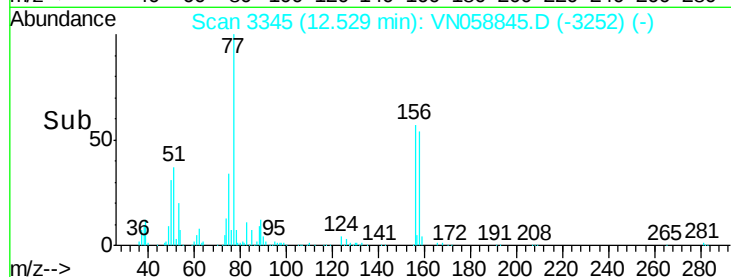
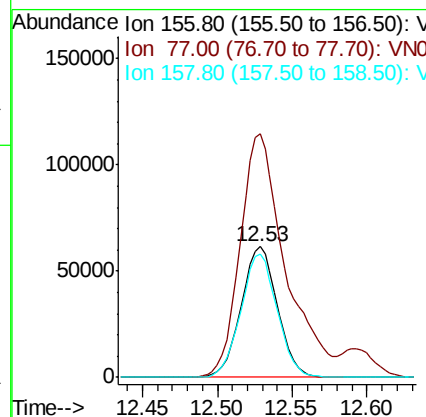
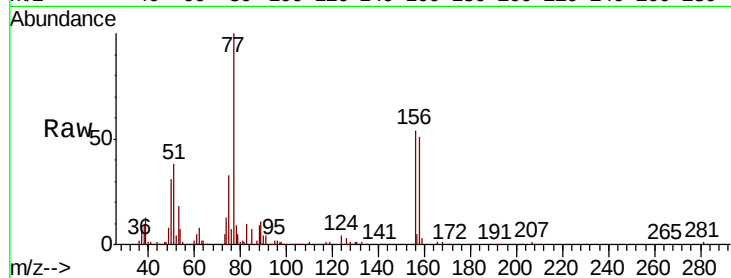
#77  
Bromobenzene  
Concen: 20.963 ug/l  
RT: 12.53 min Scan# 3345  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 230.4 | 118.0 | 354.0 |       |
| 158     | 94.6  | 48.3  | 144.8 |       |

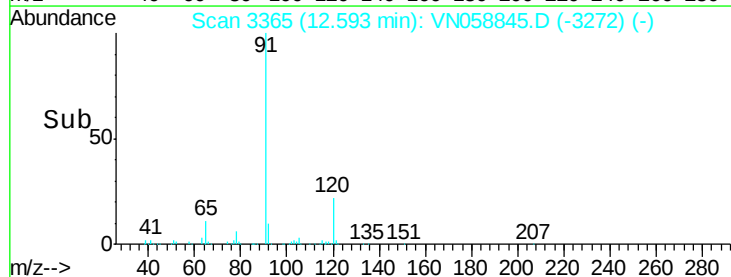
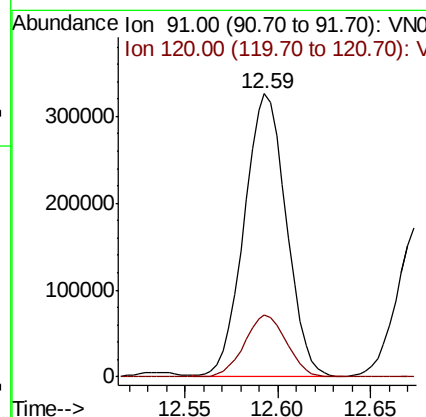
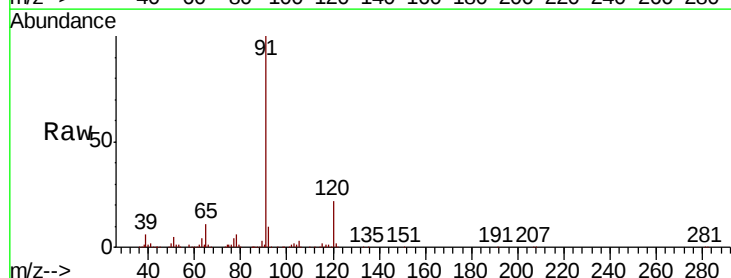
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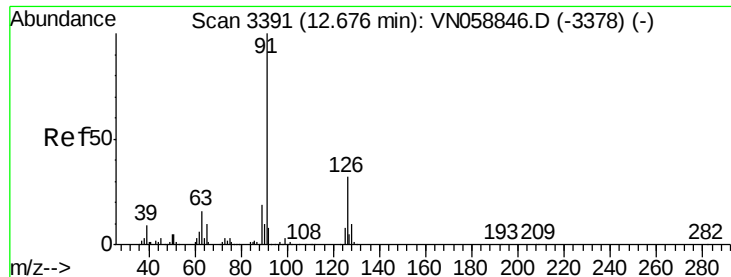
MMDadoda  
10/21/2019 10:47:11 AM



#78  
n-propylbenzene  
Concen: 21.582 ug/l  
RT: 12.59 min Scan# 3365  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 21.9 | 11.1  | 33.1  |       |





#79

2-Chlorotoluene

Concen: 20.443 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 300047

Ion Ratio Lower Upper

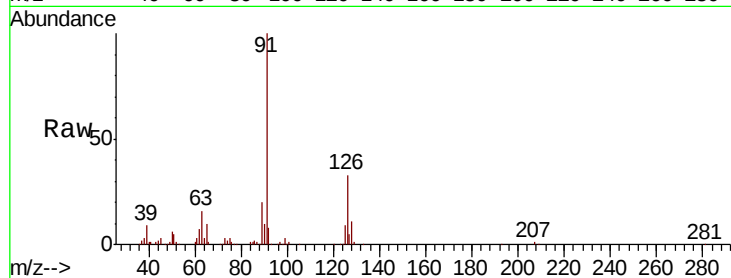
91 100

126 33.2 16.2 48.6

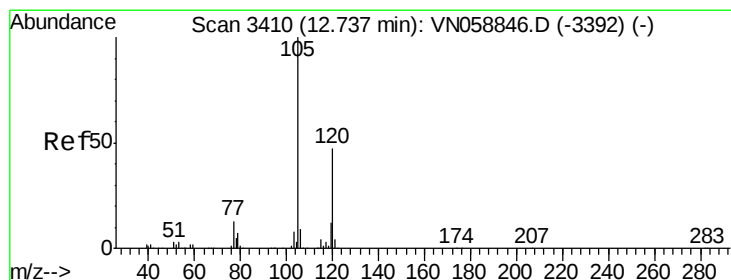
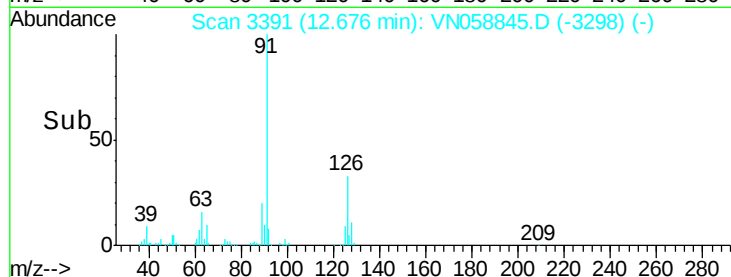
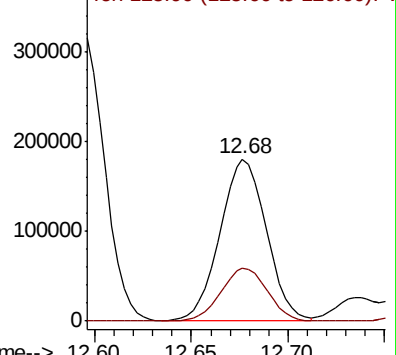
Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): VN058845.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.854 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058845.D

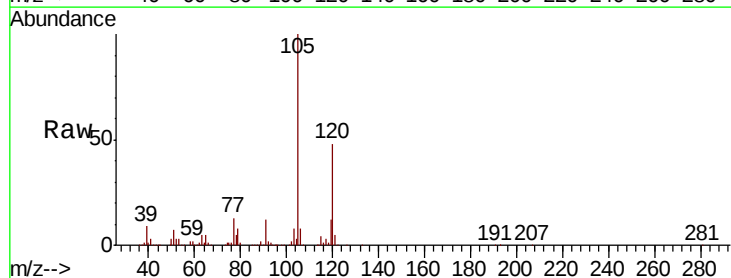
Acq: 18 Oct 2019 9:37

Tgt Ion: 105 Resp: 360891

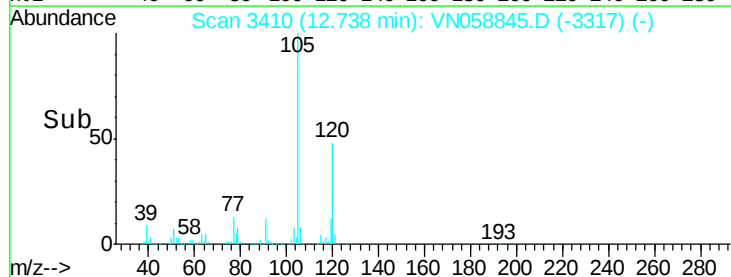
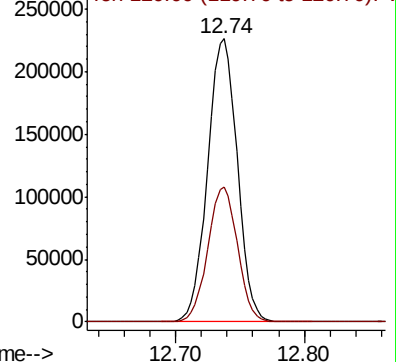
Ion Ratio Lower Upper

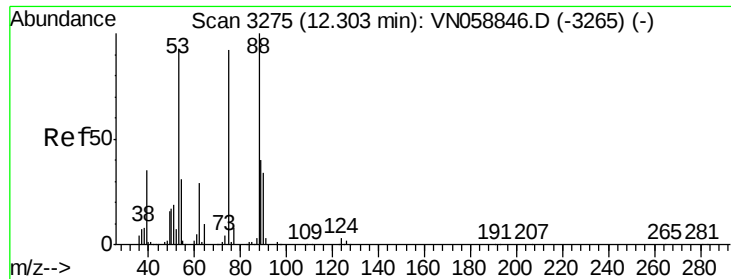
105 100

120 47.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058845.D (-3317) (-)





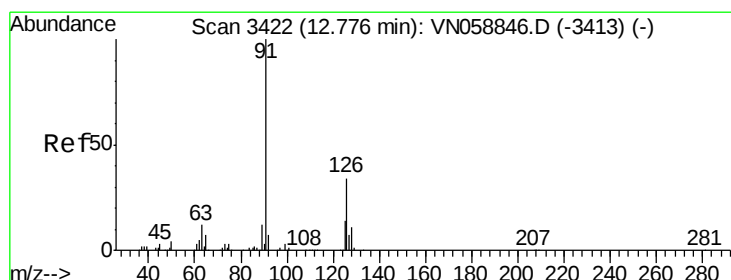
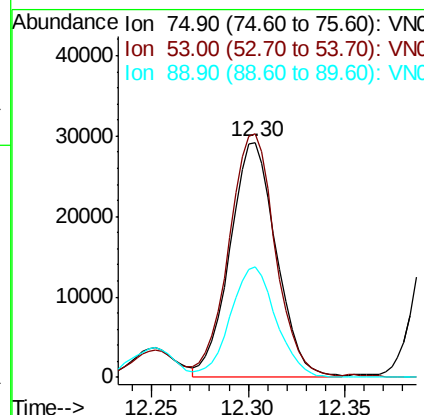
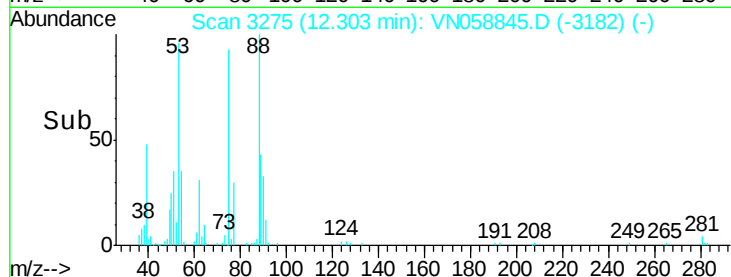
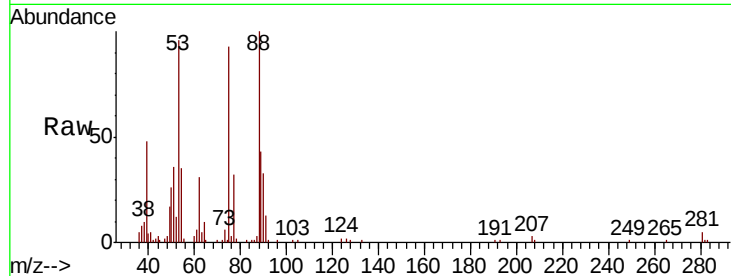
#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.827 ug/l  
RT: 12.30 min Scan# 3275  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 103.3 | 78.6  | 118.0 |
| 89      | 46.4  | 35.4  | 53.0  |

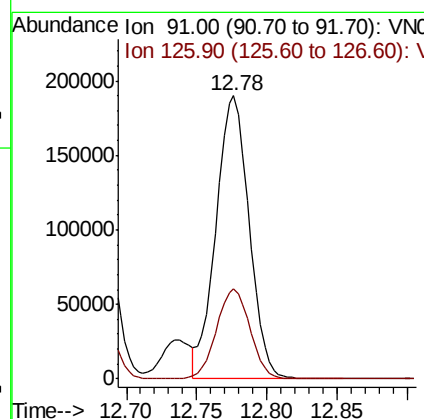
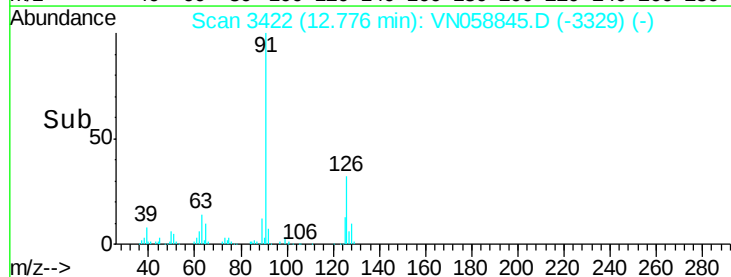
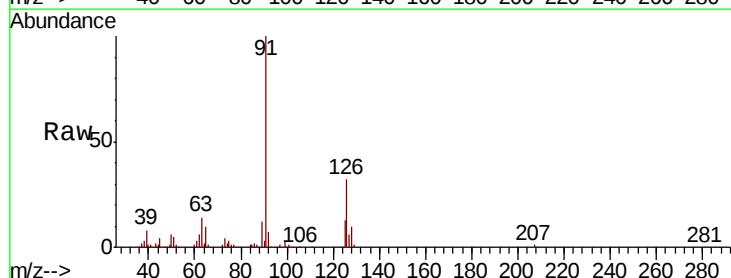
Manual Integrations  
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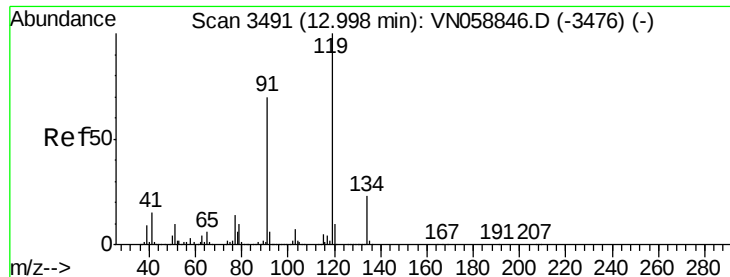
MMDadoda  
10/21/2019 10:47:11 AM



#82  
4-Chlorotoluene  
Concen: 20.482 ug/l  
RT: 12.78 min Scan# 3422  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.2  | 16.0  | 47.9  |





#83

tert-Butylbenzene

Concen: 20.322 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

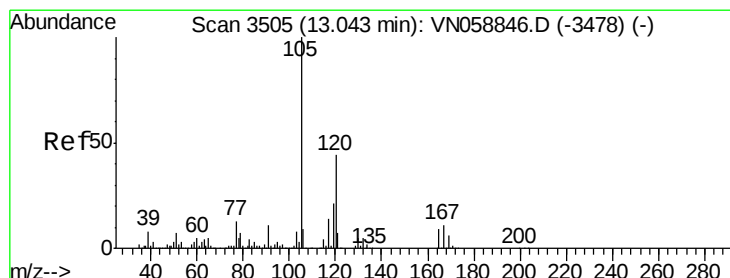
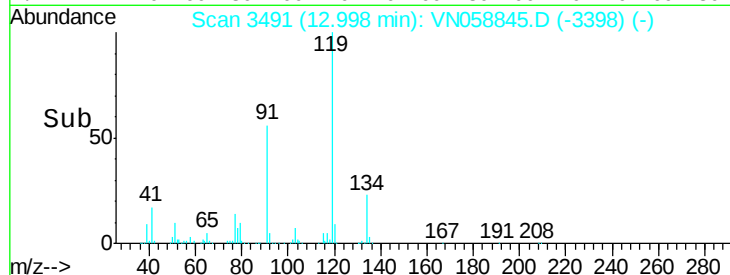
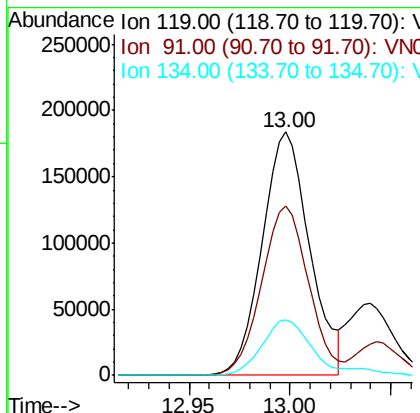
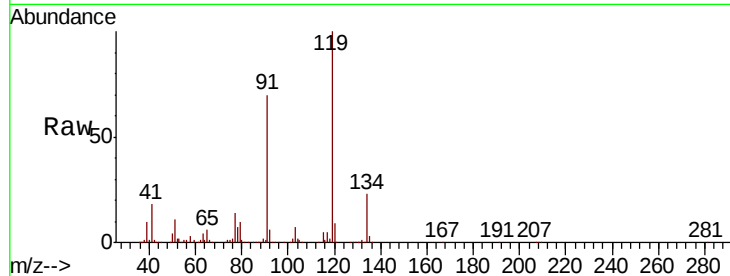
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 301209 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 69.1  | 34.1  | 102.3  |
| 134       | 23.0  | 11.6  | 34.8   |

Manual Integrations  
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10/21/2019 10:47:11 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.198 ug/l

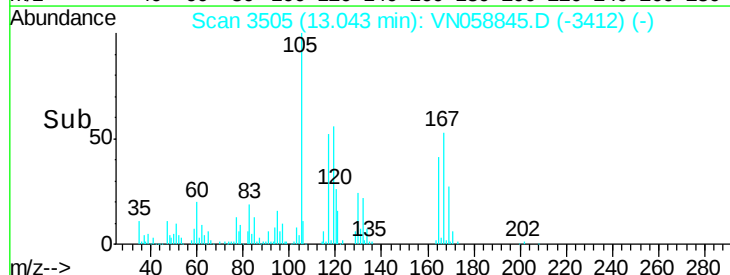
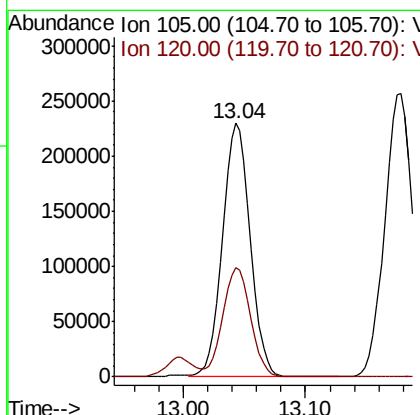
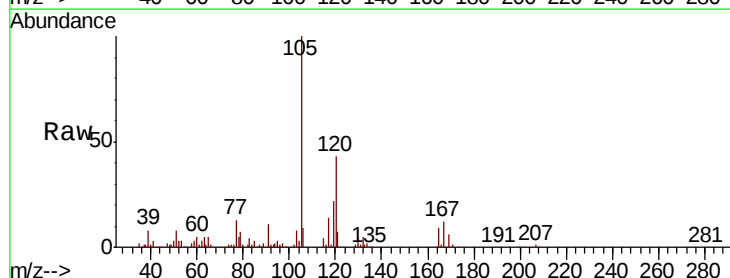
RT: 13.04 min Scan# 3505

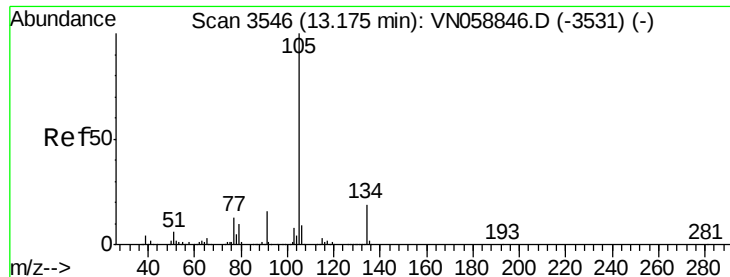
Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 364683 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 43.6  | 21.9  | 65.8   |





#85

sec-Butylbenzene

Concen: 21.098 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 412494

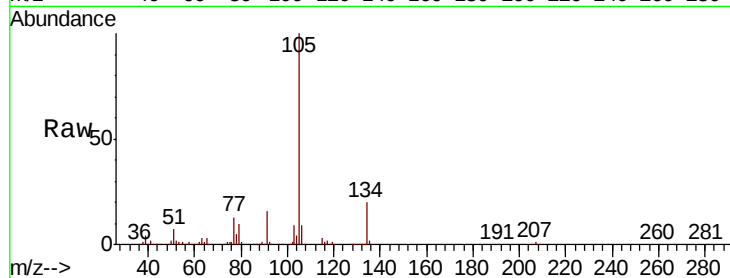
Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2

Manual Integrations  
APPROVED

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10/21/2019 10:47:11 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

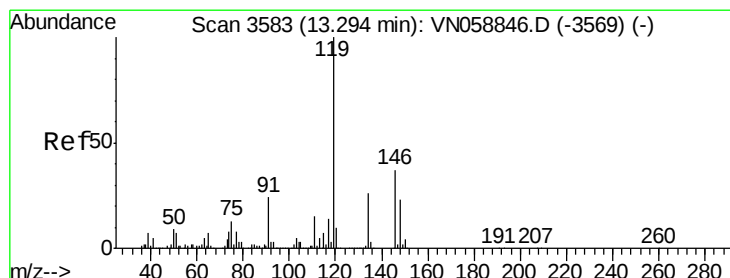
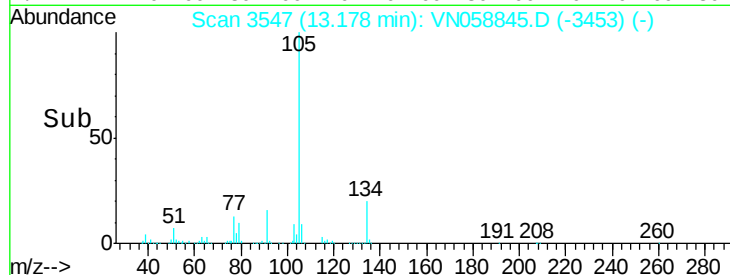
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 20.535 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

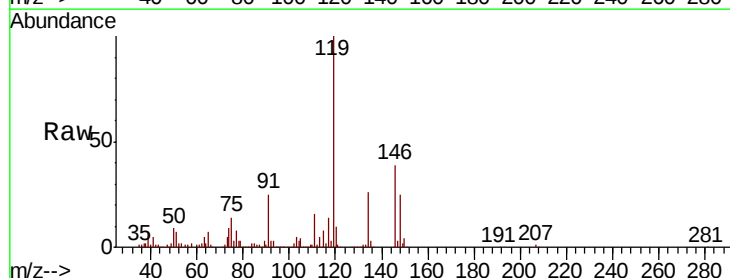
Tgt Ion:119 Resp: 363964

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.9 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

150000

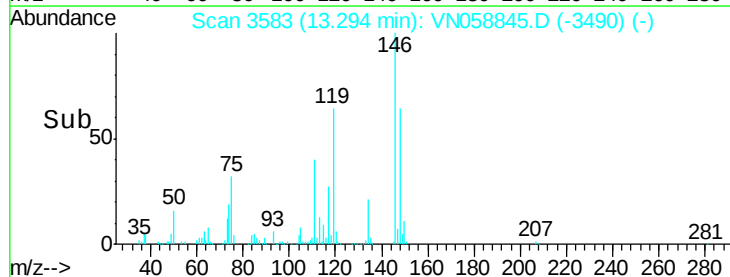
100000

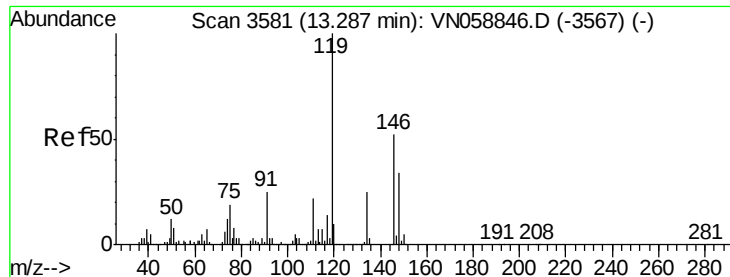
50000

0

13.25 13.30 13.35

Time-->





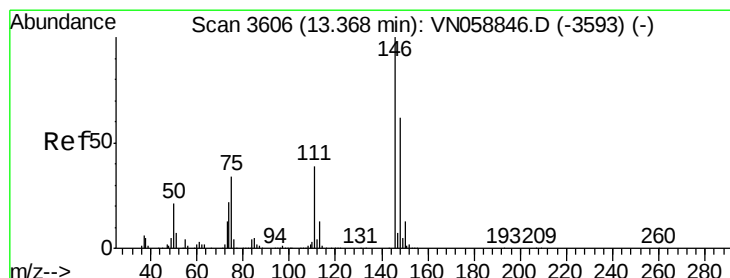
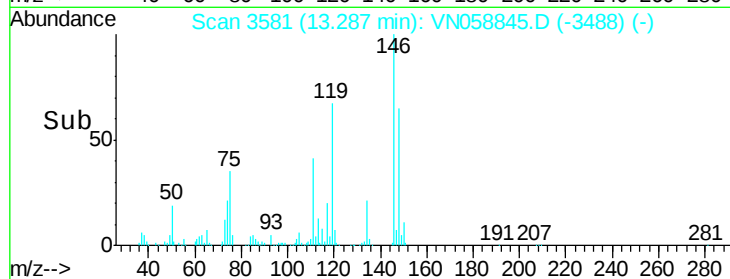
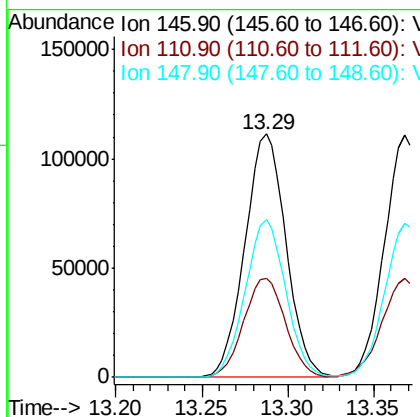
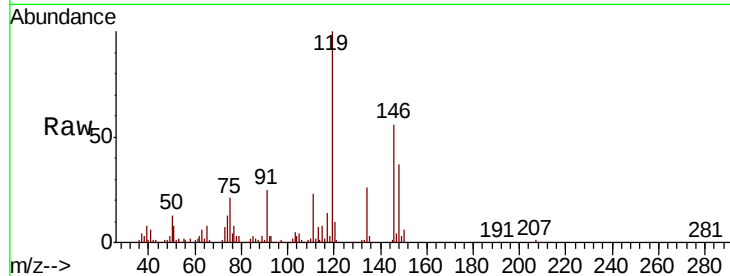
#87  
 1,3-Dichlorobenzene  
 Concen: 20.325 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 111     | 41.4  | 21.0 | 63.0  |       |
| 148     | 64.1  | 32.1 | 96.3  |       |

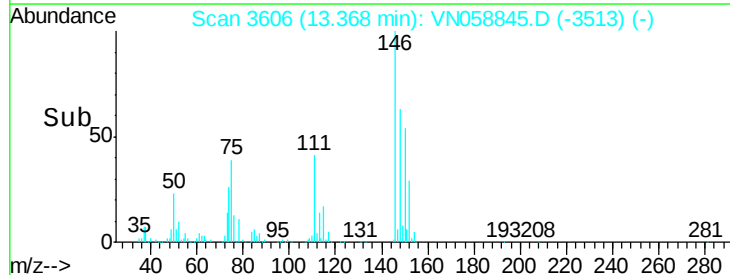
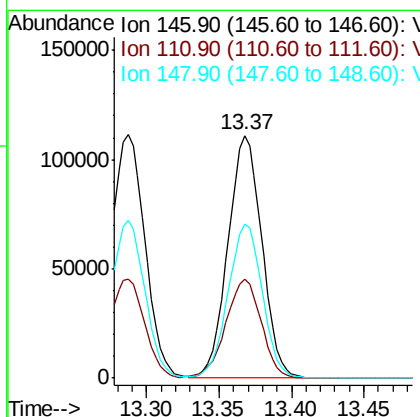
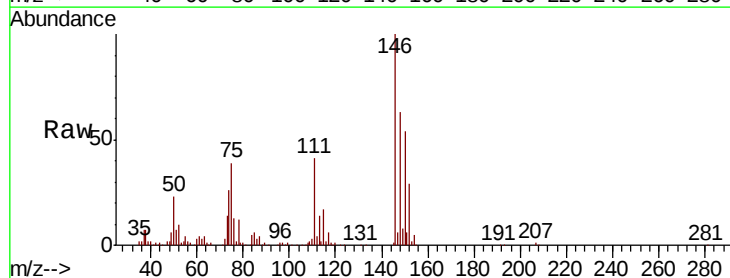
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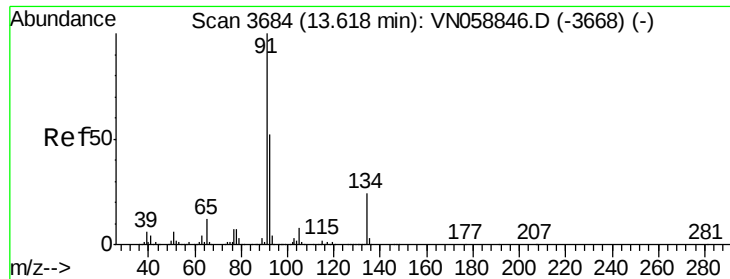
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 19.523 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 146     | 100   |      |       |       |
| 111     | 42.8  | 20.2 | 60.6  |       |
| 148     | 64.1  | 31.6 | 94.7  |       |





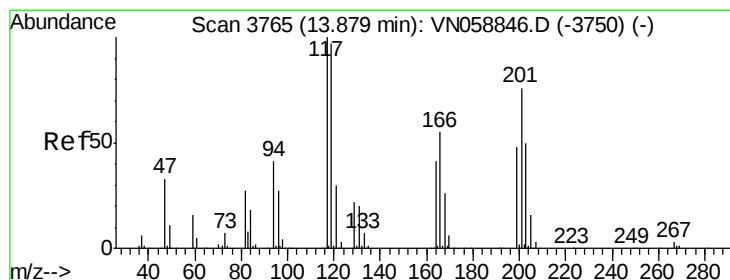
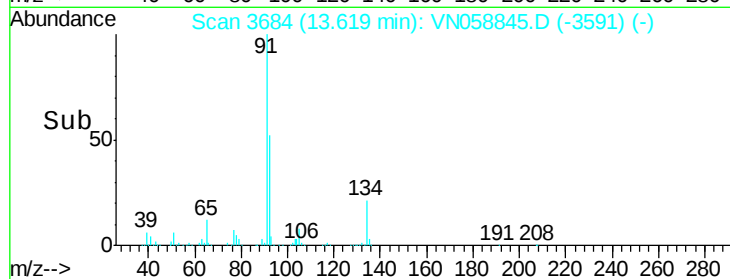
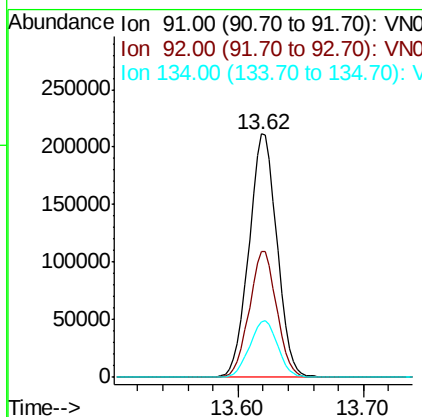
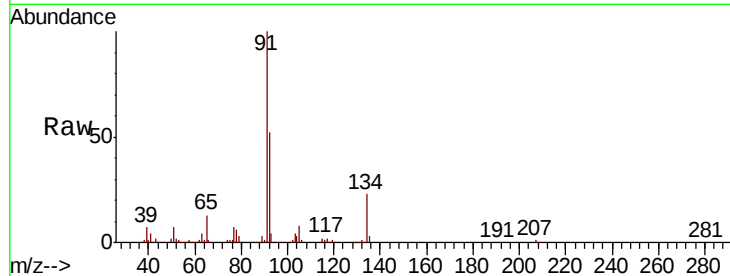
#89  
n-Butylbenzene  
Concen: 20.126 ug/l  
RT: 13.62 min Scan# 3684  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.7  | 25.7  | 77.1  |
| 134     | 23.3  | 11.9  | 35.5  |

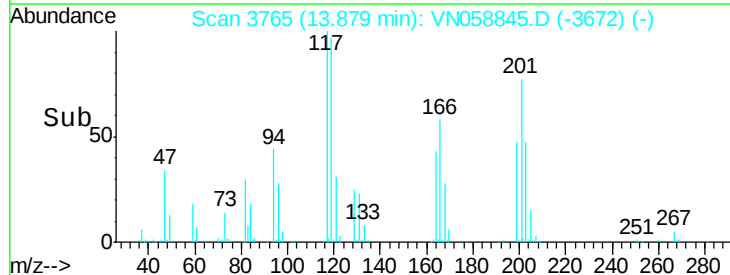
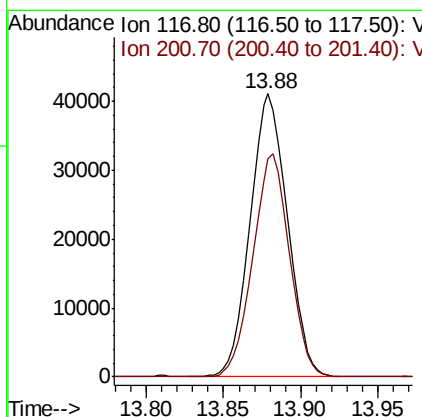
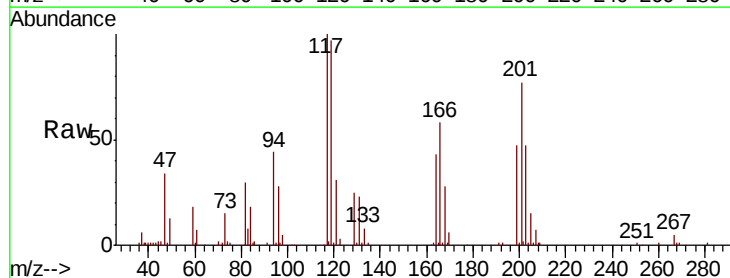
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#90  
Hexachloroethane  
Concen: 21.637 ug/l  
RT: 13.88 min Scan# 3765  
Delta R.T. 0.00 min  
Lab File: VN058845.D  
Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 76.9  | 38.9  | 116.6 |





#91

1,2-Dichlorobenzene

Concen: 20.550 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

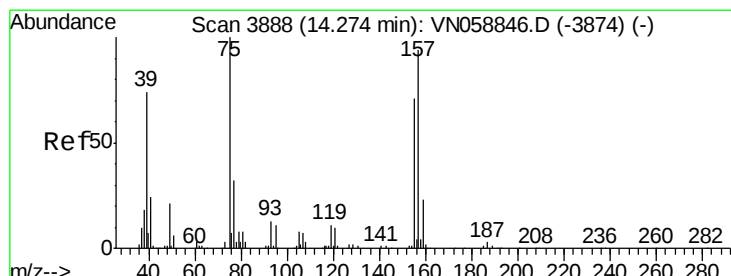
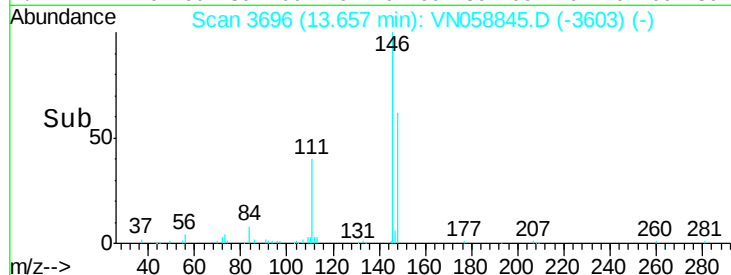
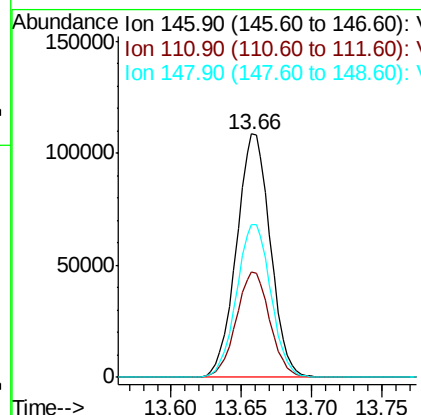
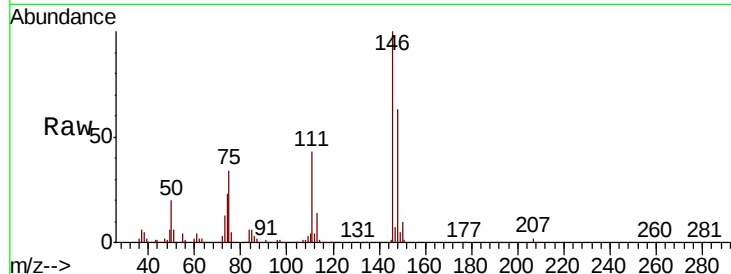
ClientSampleId :

VSTDIC020

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 146  | Resp: | 182207 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 42.9 | 21.6  | 64.8   |
| 148       | 63.7 | 31.9  | 95.9   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.093 ug/l

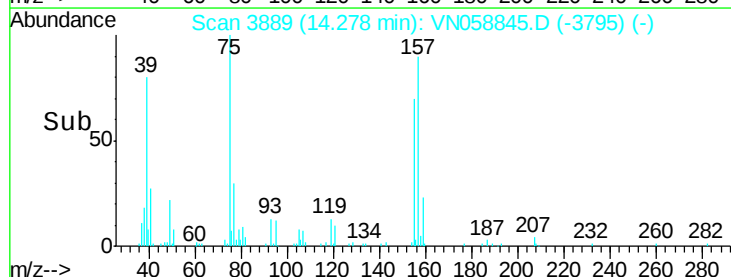
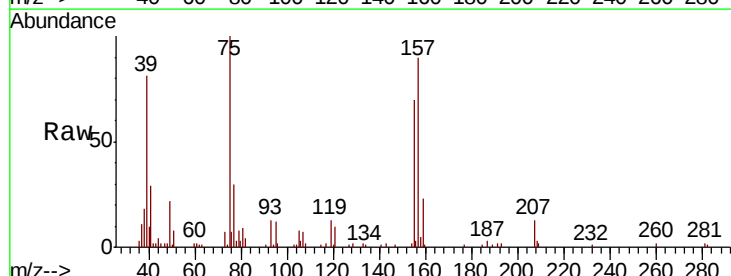
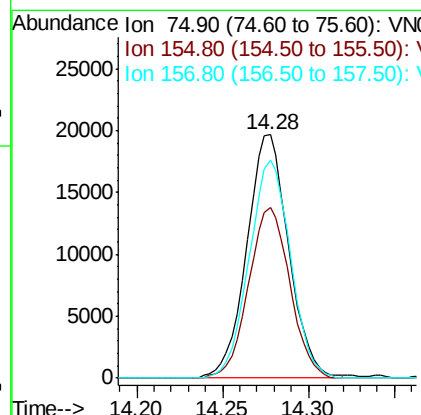
RT: 14.28 min Scan# 3889

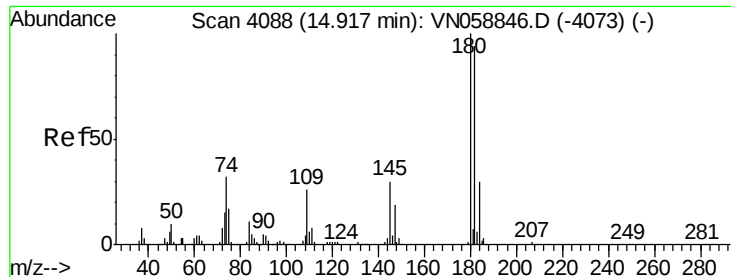
Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 75   | Resp: | 33256 |
| Ion Ratio |      | Lower | Upper |
| 75        | 100  |       |       |
| 155       | 69.1 | 35.6  | 106.8 |
| 157       | 88.5 | 47.4  | 142.2 |





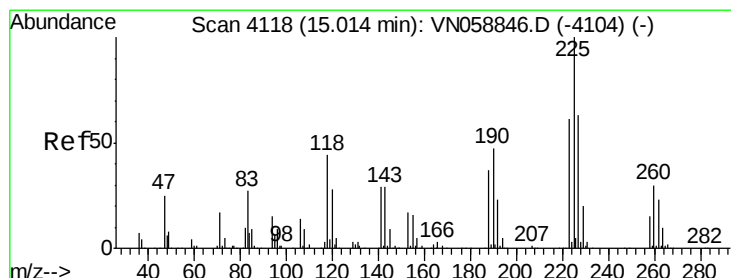
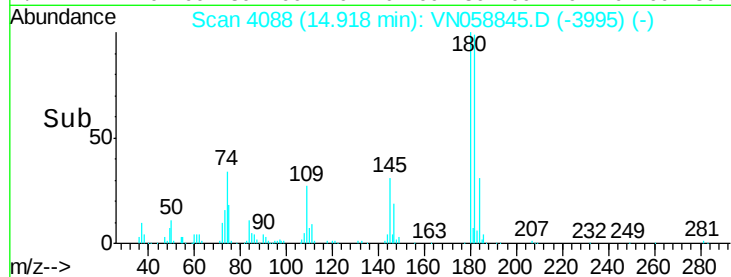
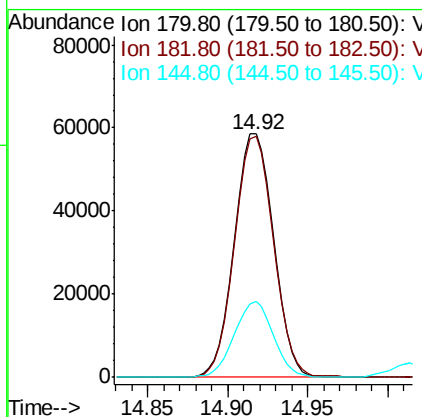
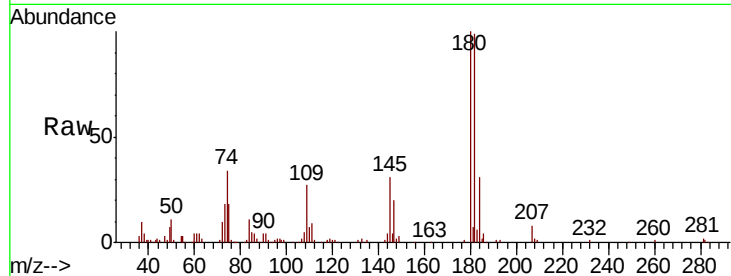
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.293 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 98037 |       |       |
| 182     | 98.2  | 47.3  | 142.0 |       |
| 145     | 30.8  | 15.3  | 45.8  |       |

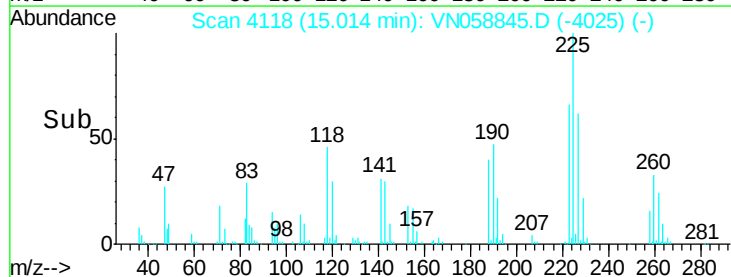
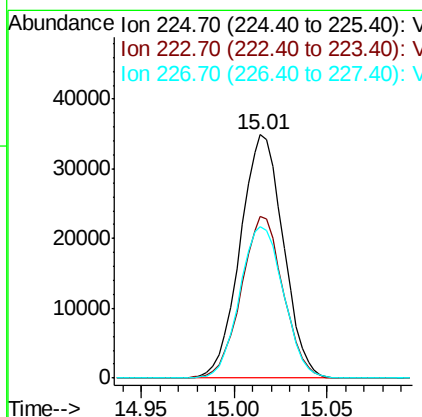
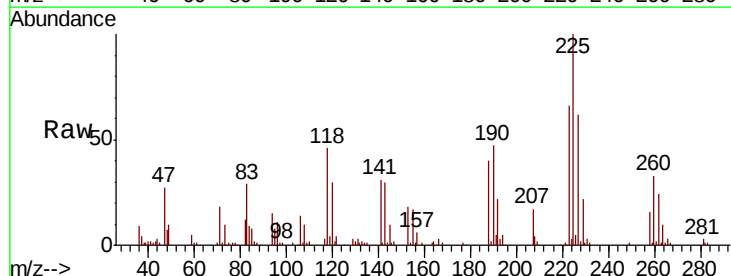
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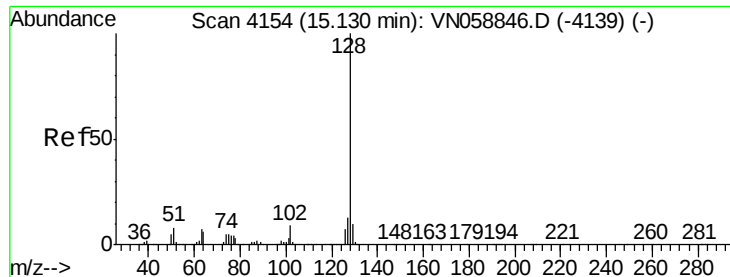
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#94  
 Hexachlorobutadiene  
 Concen: 19.730 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN058845.D  
 Acq: 18 Oct 2019 9:37

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 56194 |       |       |
| 223     | 64.5  | 30.9  | 92.5  |       |
| 227     | 63.0  | 31.6  | 94.7  |       |





#95

Naphthalene

Concen: 18.217 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

Instrument :

MSVOA\_N

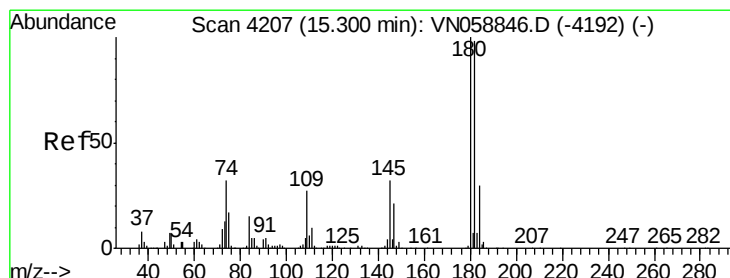
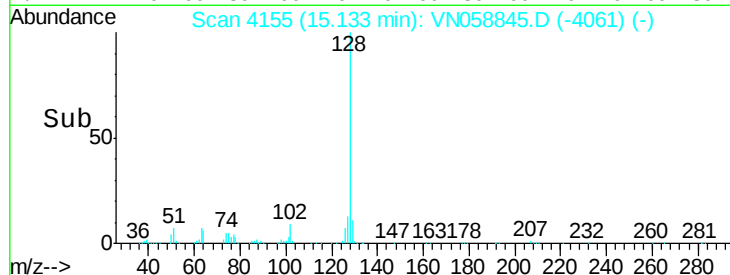
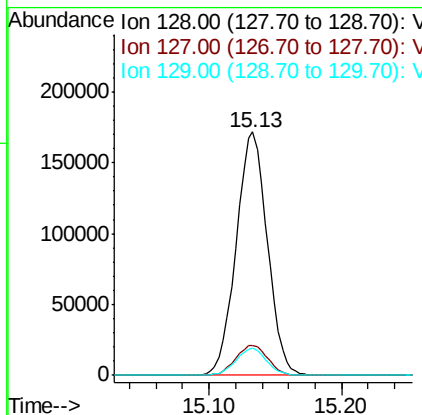
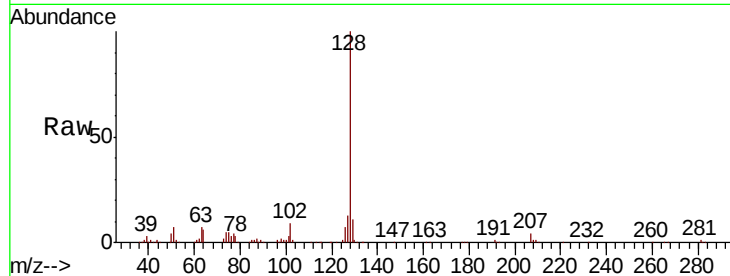
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 279988 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.2  | 15.2   |
| 129       | 10.9  | 8.4   | 12.6   |

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#96

1,2,3-Trichlorobenzene

Concen: 18.646 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058845.D

Acq: 18 Oct 2019 9:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 97759 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.6  | 47.9  | 143.7 |
| 145       | 33.1  | 15.9  | 47.7  |

