

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\  
 Data File : VN052304.D  
 Acq On : 14 Nov 2018 10:31  
 Operator : MD\SY  
 Sample : VSTDIC001  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

MMDadoda  
 11/20/2018 2:58:04 PM

Quant Time: Nov 15 02:43:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 15 02:30:00 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 268253   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 468722   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 404273   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 154700   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |       |  |
|---------------------------|--------|-----|----------|------|-------|--|
| 33) 1,2-Dichloroethane-d4 | 0.00   | 65  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 35) Dibromofluoromethane  | 0.00   | 113 | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 50) Toluene-d8            | 0.00   | 98  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 62) 4-Bromofluorobenzene  | 0.00   | 95  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |

## Target Compounds

|                               |      |     |        |              | Qvalue |
|-------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 2553   | 0.898 ug/l   | 83     |
| 3) Chloromethane              | 2.06 | 50  | 3852   | 0.975 ug/l   | 90     |
| 4) Vinyl Chloride             | 2.19 | 62  | 3333   | 0.976 ug/l   | 89     |
| 5) Bromomethane               | 2.57 | 94  | 2470   | 1.160 ug/l   | 97     |
| 6) Chloroethane               | 2.72 | 64  | 1868   | 0.968 ug/l # | 71     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 4856   | 1.028 ug/l   | 97     |
| 8) Diethyl Ether              | 3.42 | 74  | 1854   | 1.029 ug/l   | 80     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 3214   | 1.077 ug/l   | 92     |
| 12) 1,1-Dichloroethene        | 3.75 | 96  | 2874   | 1.041 ug/l   | 93     |
| 14) Allyl chloride            | 4.33 | 41  | 5852   | 1.032 ug/l # | 89     |
| 15) Acrylonitrile             | 4.99 | 53  | 5453m  | 4.705 ug/l   |        |
| 16) Acetone                   | 3.82 | 43  | 5893   | 5.555 ug/l   | 93     |
| 17) Carbon Disulfide          | 4.06 | 76  | 7584   | 0.958 ug/l   | 99     |
| 18) Methyl Acetate            | 4.34 | 43  | 4099m  | 1.354 ug/l   |        |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 7248   | 0.913 ug/l   | 96     |
| 20) Methylene Chloride        | 4.55 | 84  | 4529   | 1.304 ug/l # | 86     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 3057m  | 1.069 ug/l   |        |
| 22) Diisopropyl ether         | 5.96 | 45  | 10969m | 0.938 ug/l   |        |
| 23) Vinyl Acetate             | 5.90 | 43  | 30671  | 3.908 ug/l   | 96     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 6527   | 1.052 ug/l # | 85     |
| 25) 2-Butanone                | 6.84 | 43  | 6433   | 4.381 ug/l # | 85     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 4556   | 0.999 ug/l   | 86     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 3639   | 1.051 ug/l   | 77     |
| 28) Bromochloromethane        | 7.19 | 49  | 3394   | 1.064 ug/l # | 87     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 4902m  | 5.042 ug/l   |        |
| 30) Chloroform                | 7.37 | 83  | 5926   | 1.002 ug/l   | 89     |
| 31) Cyclohexane               | 7.66 | 56  | 13158  | 1.830 ug/l # | 56     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 5191   | 1.031 ug/l # | 54     |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 4775   | 1.016 ug/l   | 94     |
| 37) Ethyl Acetate             | 6.94 | 43  | 3402m  | 0.948 ug/l   |        |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 3703   | 0.858 ug/l   | 89     |
| 39) Methylcyclohexane         | 9.08 | 83  | 5196   | 0.969 ug/l # | 93     |
| 40) Benzene                   | 8.04 | 78  | 13401  | 0.998 ug/l   | 97     |
| 41) Methacrylonitrile         | 7.17 | 41  | 2810m  | 1.455 ug/l   |        |

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 Sample : VSTDIC001  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
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 VSTDIC001

Manual Integrations  
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 11/20/2018 2:58:04 PM

Quant Time: Nov 15 02:43:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 15 02:30:00 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 4514     | 0.943  | ug/l   | 93       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 7015     | 1.066  | ug/l # | 76       |
| 44) Trichloroethene            | 8.84  | 130  | 3134     | 0.948  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 3802     | 0.998  | ug/l   | 97       |
| 46) Dibromomethane             | 9.21  | 93   | 2126     | 0.964  | ug/l   | 94       |
| 47) Bromodichloromethane       | 9.40  | 83   | 4233     | 0.936  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.20  | 41   | 3982     | 1.193  | ug/l # | 71       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 382      | 14.906 | ug/l # | 59       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 14045    | 4.241  | ug/l   | 97       |
| 52) Toluene                    | 10.15 | 92   | 7506     | 0.935  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 3887     | 0.852  | ug/l   | 91       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 4323     | 0.831  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 2796     | 0.961  | ug/l   | 94       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 3078     | 0.804  | ug/l # | 82       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 4856     | 0.942  | ug/l   | 91       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 9252     | 4.246  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 9453     | 4.150  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 2909     | 0.924  | ug/l   | 93       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 2611     | 0.901  | ug/l   | 94       |
| 64) Tetrachloroethene          | 10.63 | 164  | 3102     | 1.079  | ug/l   | 90       |
| 65) Chlorobenzene              | 11.43 | 112  | 8925     | 1.044  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 2648     | 0.909  | ug/l # | 62       |
| 67) Ethyl Benzene              | 11.51 | 91   | 13819    | 0.932  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 9763     | 1.802  | ug/l   | 97       |
| 69) o-Xylene                   | 11.94 | 106  | 4202     | 0.809  | ug/l   | 87       |
| 70) Styrene                    | 11.96 | 104  | 6775     | 0.815  | ug/l   | 91       |
| 71) Bromoform                  | 12.13 | 173  | 1345     | 0.782  | ug/l # | 95       |
| 73) Isopropylbenzene           | 12.25 | 105  | 12332    | 0.991  | ug/l   | 97       |
| 74) N-amyl acetate             | 12.07 | 43   | 3573     | 0.807  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 2994     | 0.996  | ug/l # | 96       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 3011m    | 1.238  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 3010     | 1.040  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.59 | 91   | 13878    | 0.954  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 8482     | 0.998  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 8918     | 0.902  | ug/l   | 92       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 687      | 0.849  | ug/l # | 59       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 9219     | 1.059  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 8933     | 1.023  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 8995     | 0.906  | ug/l   | 96       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 11018    | 0.926  | ug/l   | 94       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 8846     | 0.878  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 5344     | 1.040  | ug/l   | 92       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 5283m    | 1.034  | ug/l   |          |
| 89) n-Butylbenzene             | 13.62 | 91   | 6786     | 0.784  | ug/l   | 89       |
| 90) Hexachloroethane           | 13.87 | 117  | 1701     | 0.953  | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 5061     | 1.016  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 439      | 0.990  | ug/l # | 69       |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 1554     | 0.758  | ug/l   | 84       |
| 94) Hexachlorobutadiene        | 15.00 | 225  | 1181     | 1.036  | ug/l   | 97       |
| 95) Naphthalene                | 15.13 | 128  | 3031     | 0.655  | ug/l   | 96       |

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Acq On : 14 Nov 2018 10:31  
Operator : MD\SY  
Sample : VSTDICC001  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Manual Integrations  
APPROVED

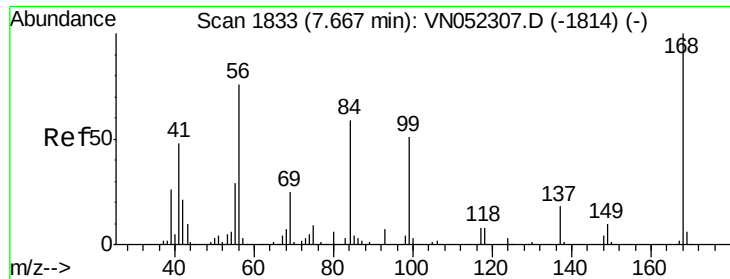
MMDadoda  
11/20/2018 2:58:04 PM

Quant Time: Nov 15 02:43:41 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N111418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 15 02:30:00 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 1679     | 0.887 | ug/l  | 81       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 268253

Ion Ratio Lower Upper

168 100

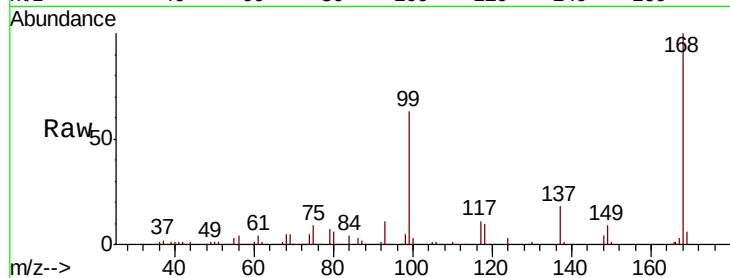
99 62.5 47.9 71.9

Manual Integrations

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11/20/2018 2:58:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

60000

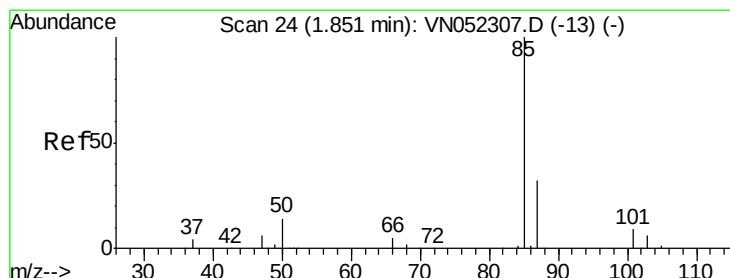
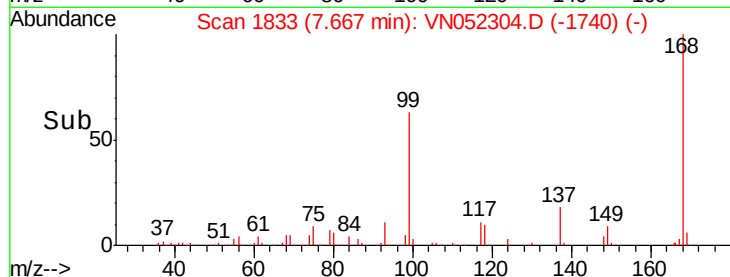
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.898 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052304.D

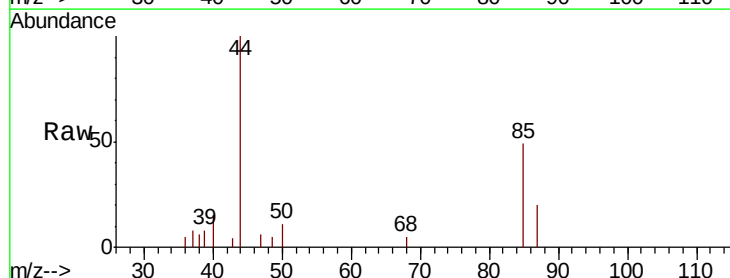
Acq: 14 Nov 2018 10:31

Tgt Ion: 85 Resp: 2553

Ion Ratio Lower Upper

85 100

87 41.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

2000

1500

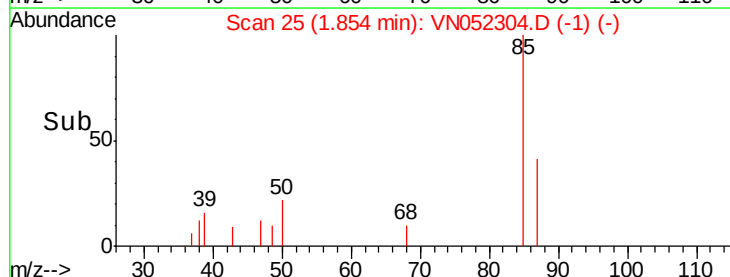
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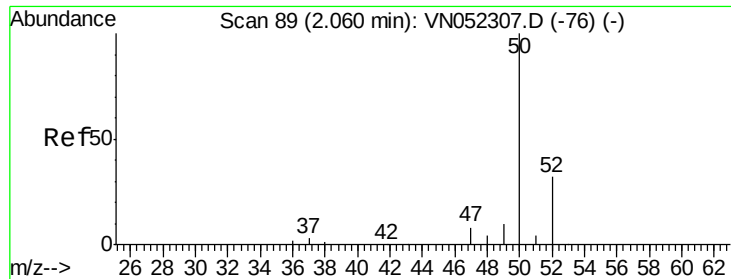
500

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 0.975 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3852

Ion Ratio Lower Upper

50 100

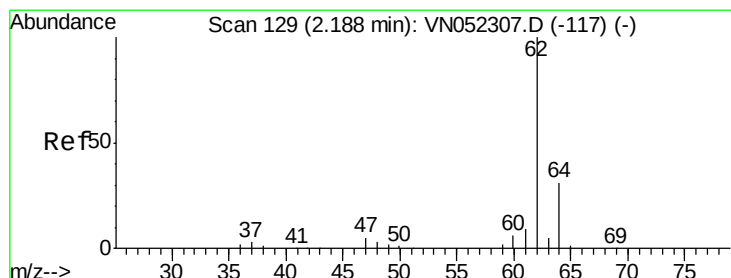
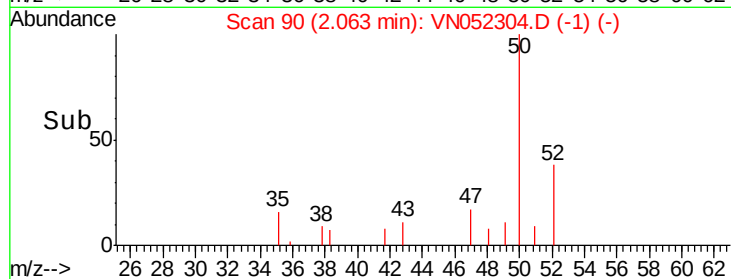
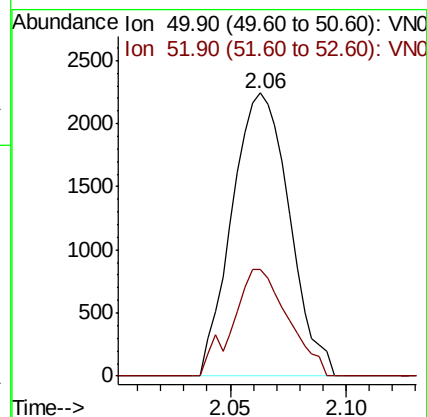
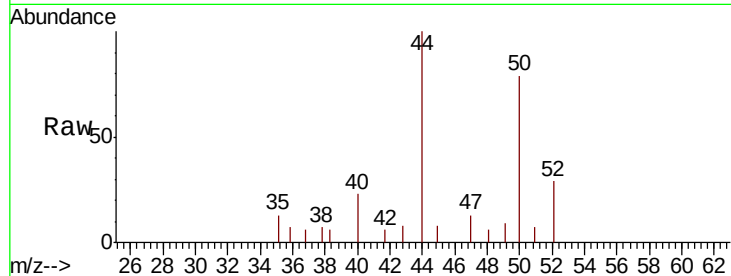
52 37.6 25.5 38.3

Manual Integrations

APPROVED

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11/20/2018 2:58:04 PM



#4

Vinyl Chloride

Concen: 0.976 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052304.D

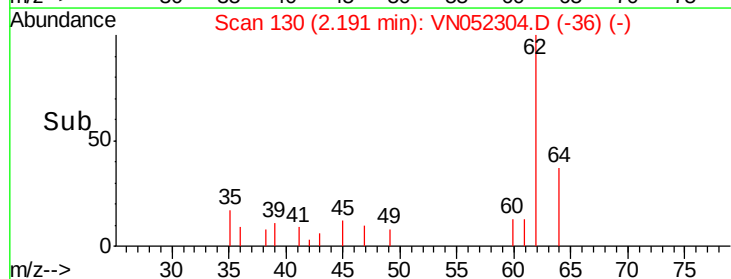
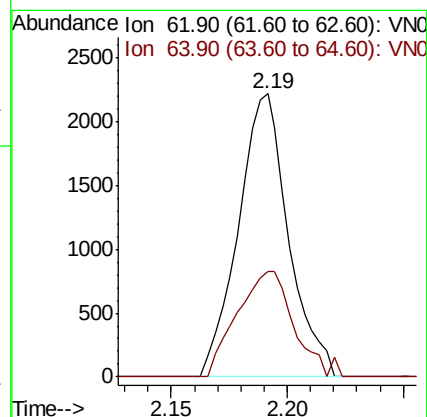
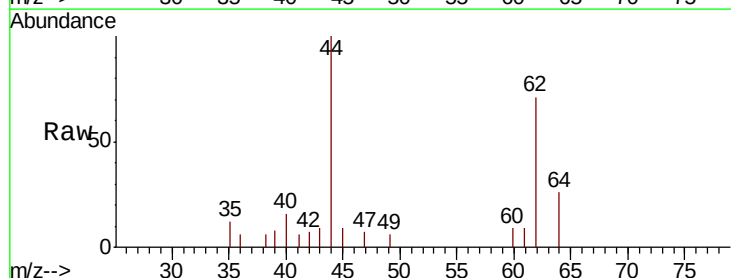
Acq: 14 Nov 2018 10:31

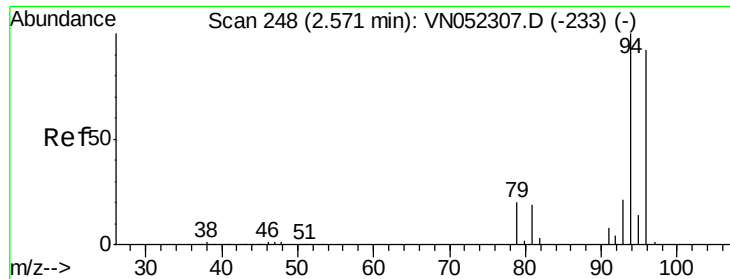
Tgt Ion: 62 Resp: 3333

Ion Ratio Lower Upper

62 100

64 37.3 25.2 37.8





#5

Bromomethane

Concen: 1.160 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 2470

Ion Ratio Lower Upper

94 100

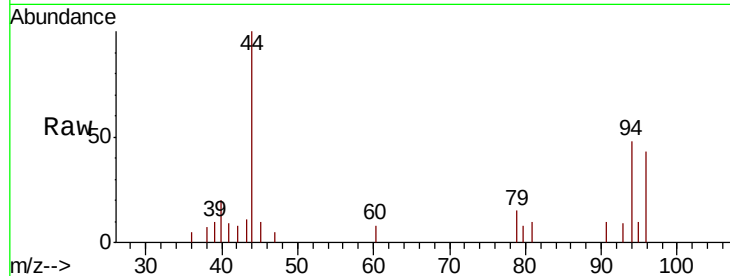
96 89.4 73.6 110.4

Manual Integrations

APPROVED

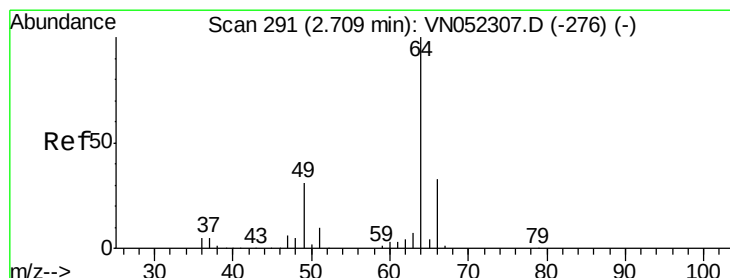
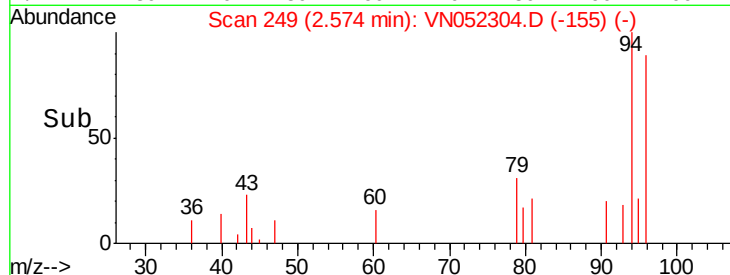
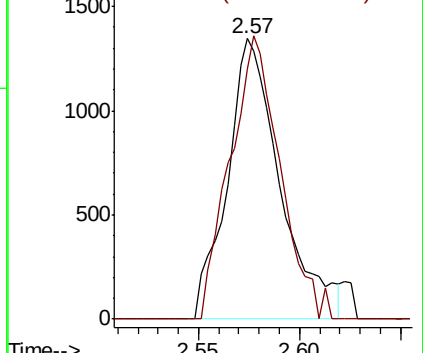
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11/20/2018 2:58:04 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.968 ug/l

RT: 2.72 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN052304.D

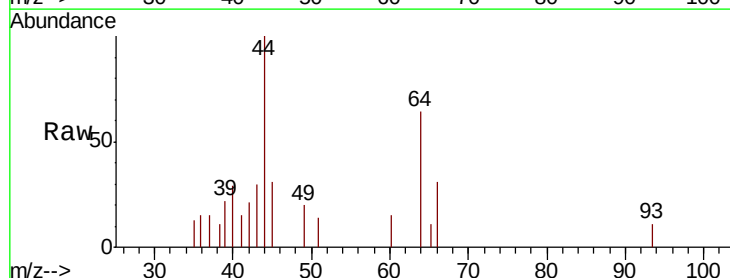
Acq: 14 Nov 2018 10:31

Tgt Ion: 64 Resp: 1868

Ion Ratio Lower Upper

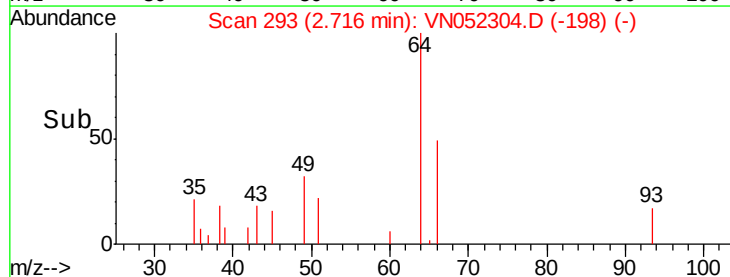
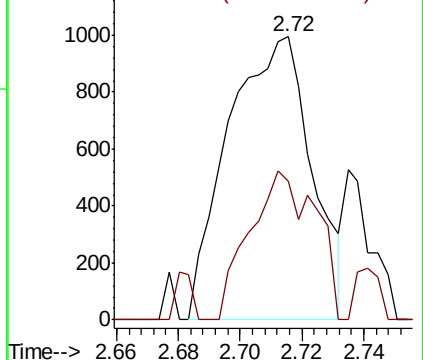
64 100

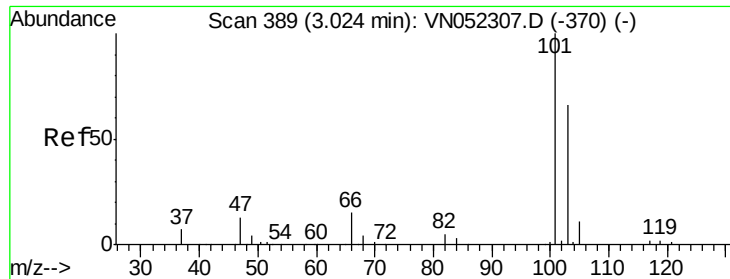
66 49.0 26.2 39.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

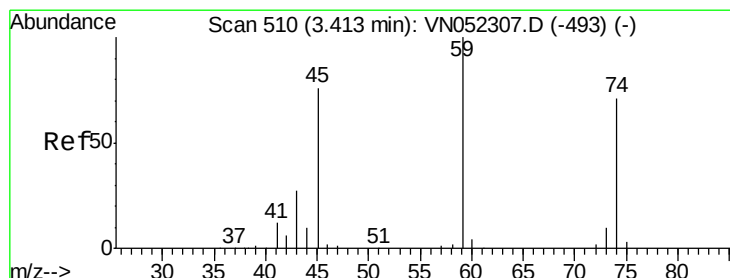
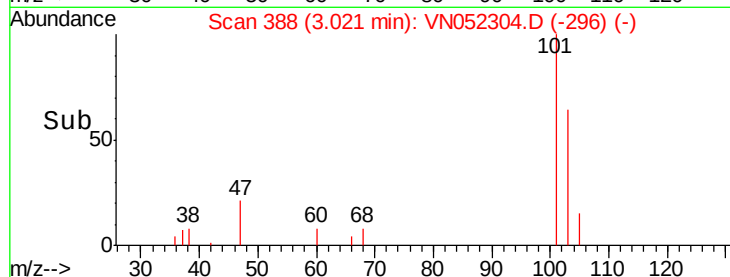
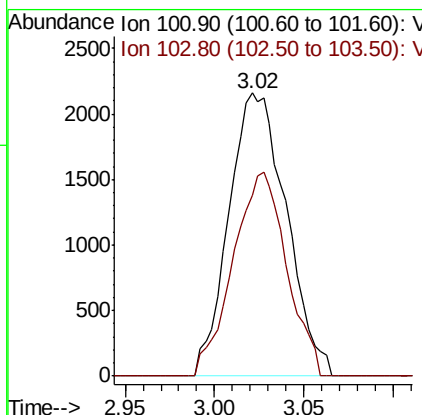
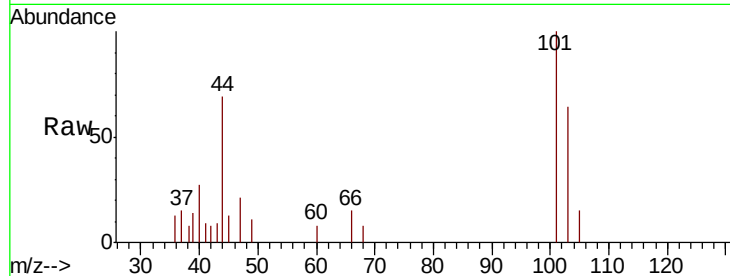
Trichlorofluoromethane  
 Concen: 1.028 ug/l  
 RT: 3.02 min Scan# 388  
 Delta R.T. -0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Tot Ion: 101 Resp: 4856  
 Ion Ratio Lower Upper  
 101 100  
 103 64.0 52.8 79.2

Manual Integrations  
 APPROVED

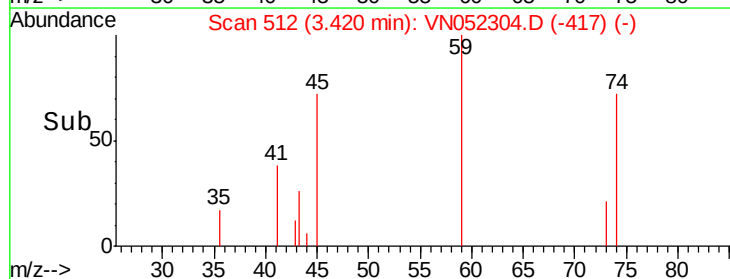
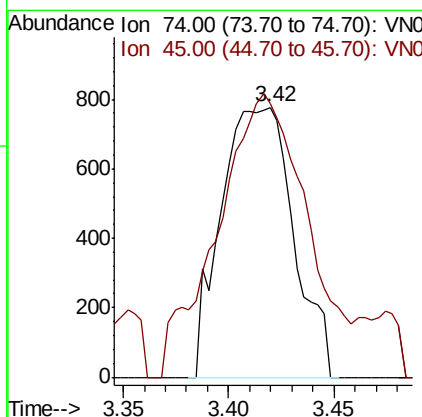
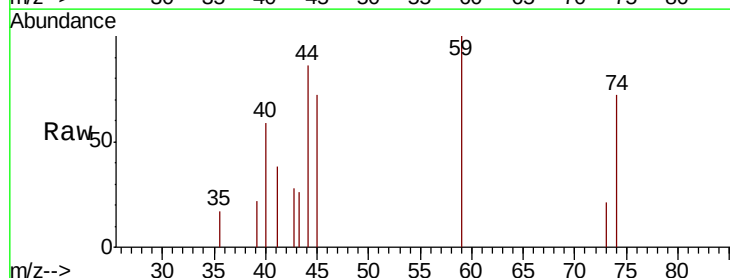
MMDadoda  
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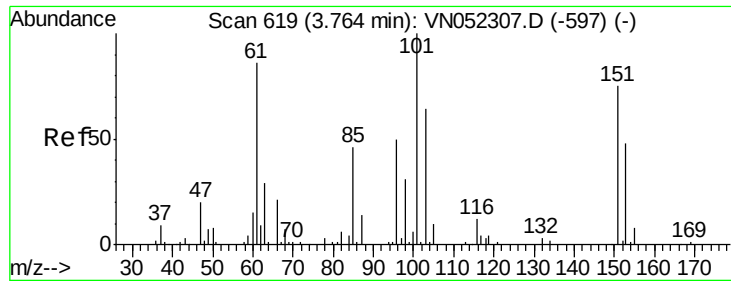
#8

Diethyl Ether  
 Concen: 1.029 ug/l  
 RT: 3.42 min Scan# 512  
 Delta R.T. 0.01 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Tgt Ion: 74 Resp: 1854  
 Ion Ratio Lower Upper  
 74 100  
 45 129.4 54.3 162.9







#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.077 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

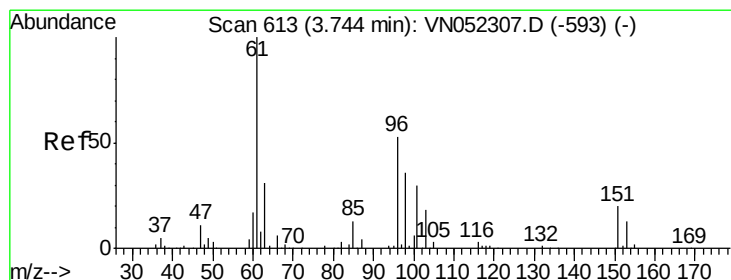
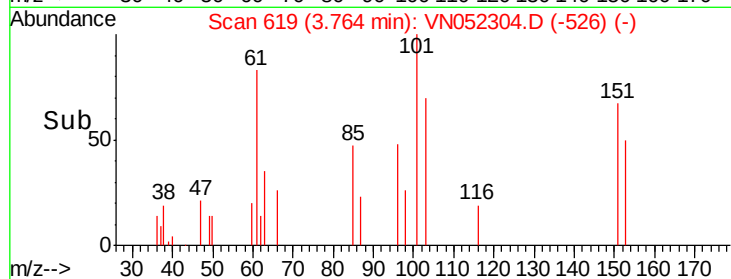
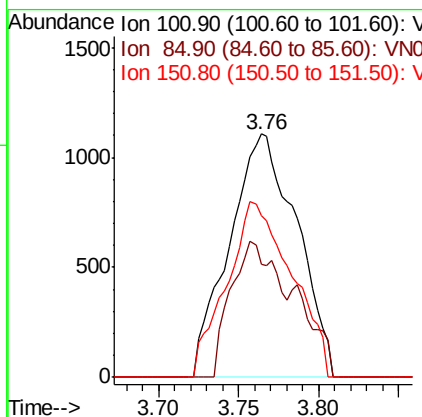
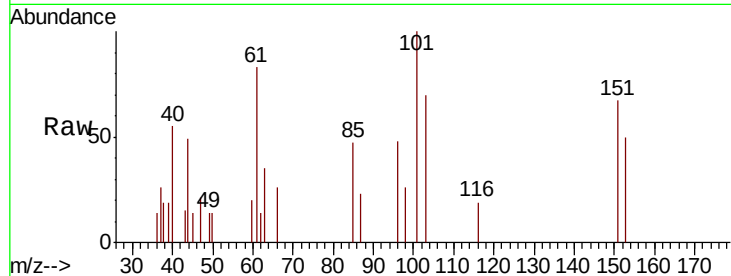
ClientSampleId :

VSTDIC001

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 101   | Resp: | 3214 |
| Ion Ratio | Lower | Upper |      |
| 101       | 100   |       |      |
| 85        | 38.3  | 37.4  | 56.0 |
| 151       | 69.3  | 58.6  | 88.0 |

Manual Integrations  
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#12

1,1-Dichloroethene

Concen: 1.041 ug/l

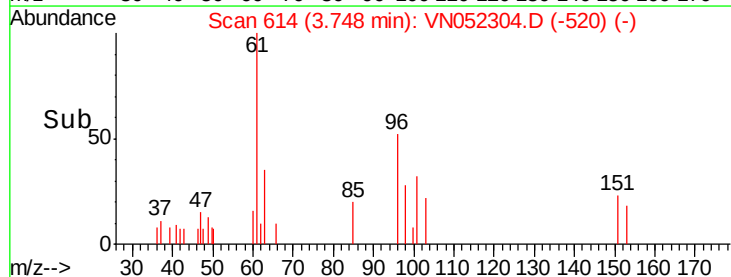
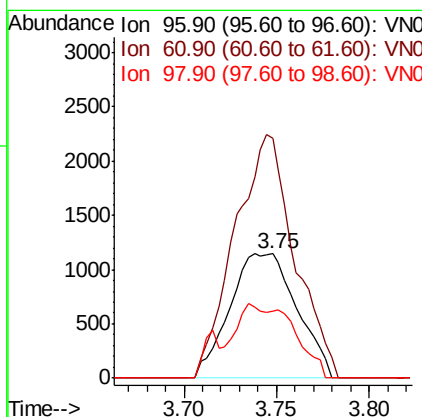
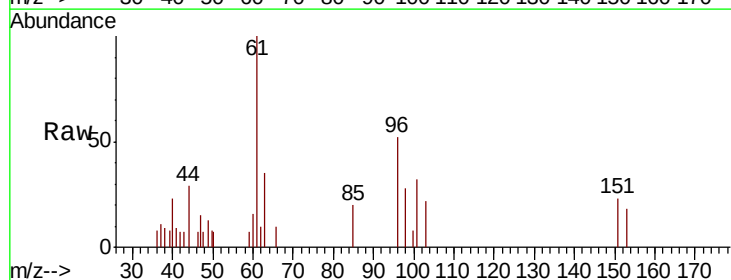
RT: 3.75 min Scan# 614

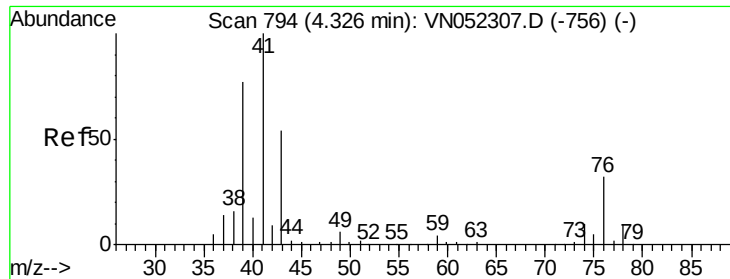
Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 2874  |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 192.5 | 149.6 | 224.4 |
| 98        | 54.4  | 54.2  | 81.2  |





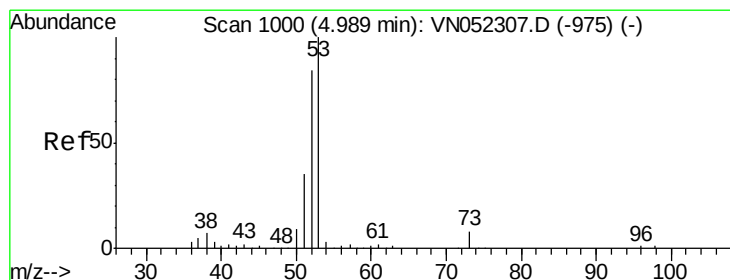
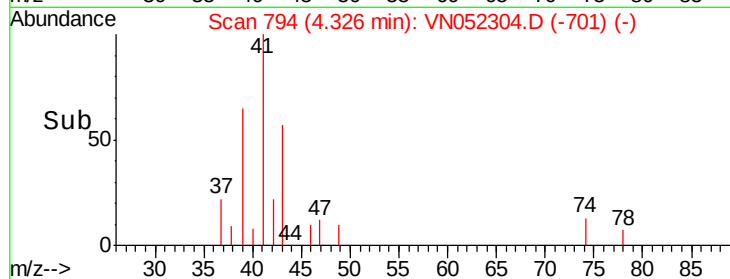
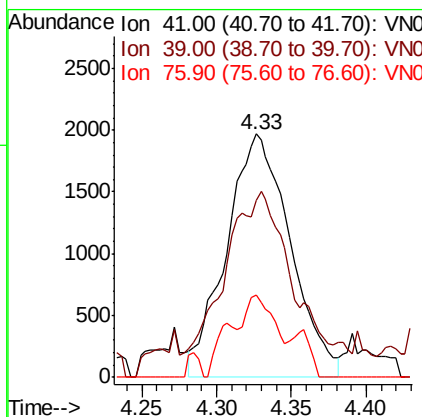
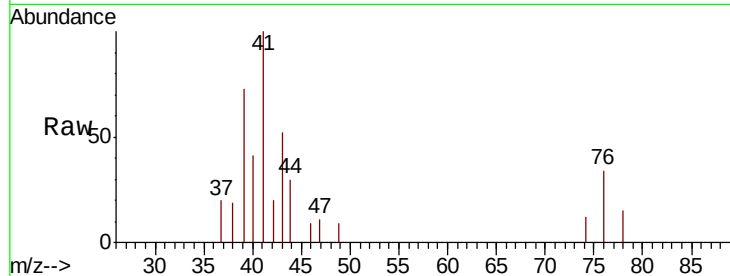
#14  
Allvl chloride  
Concen: 1.032 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 77.7  | 59.1  | 88.7  |
| 76      | 16.4  | 24.1  | 36.1  |

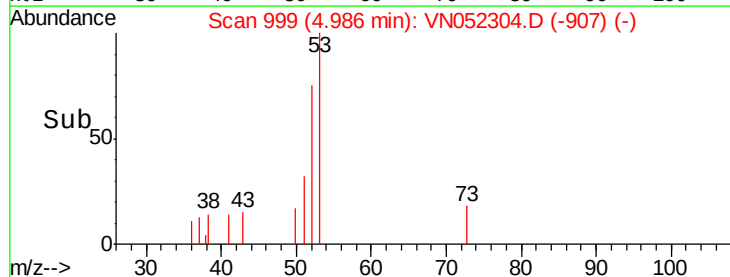
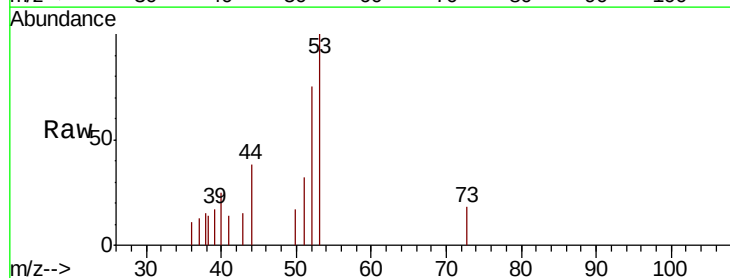
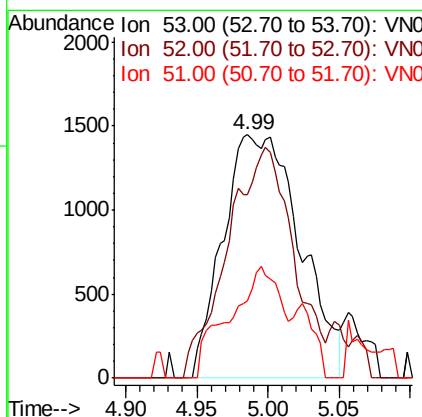
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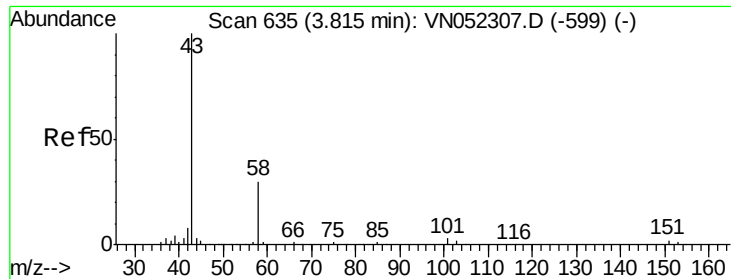
MMDadoda  
11/20/2018 2:58:04 PM



#15  
Acrylonitrile  
Concen: 4.705 ug/l m  
RT: 4.99 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 81.1  | 67.5  | 101.3 |
| 51      | 30.6  | 29.9  | 44.9  |





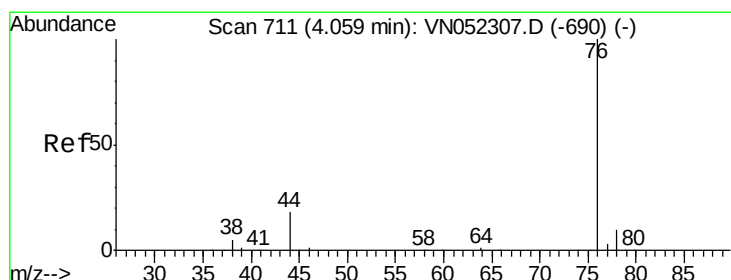
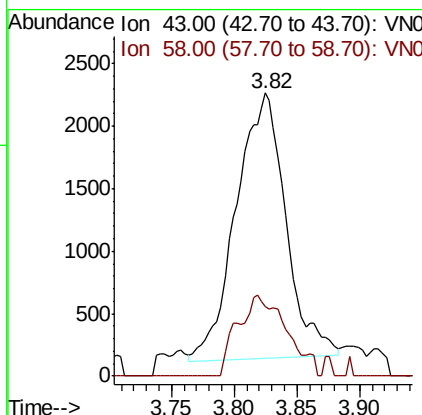
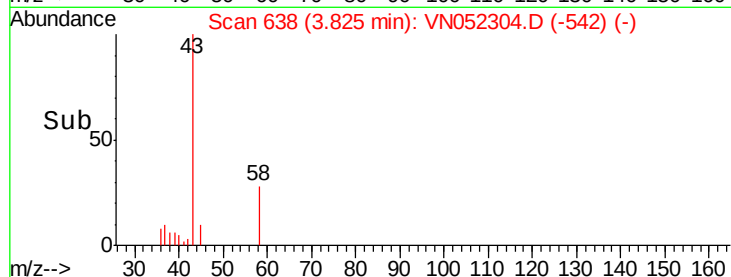
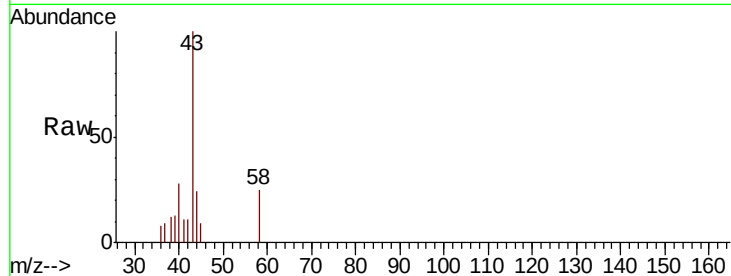
#16  
Acetone  
Concen: 5.555 ug/l  
RT: 3.82 min Scan# 638  
Delta R.T. 0.01 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion: 43 Resp: 5893  
Ion Ratio Lower Upper  
43 100  
58 26.7 24.2 36.4

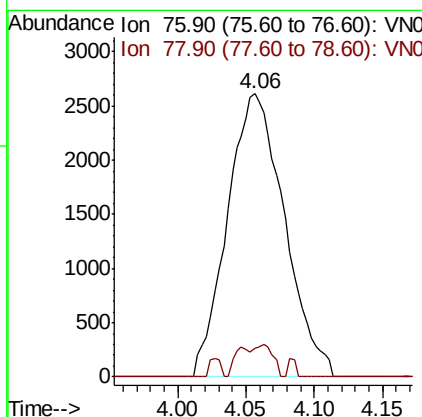
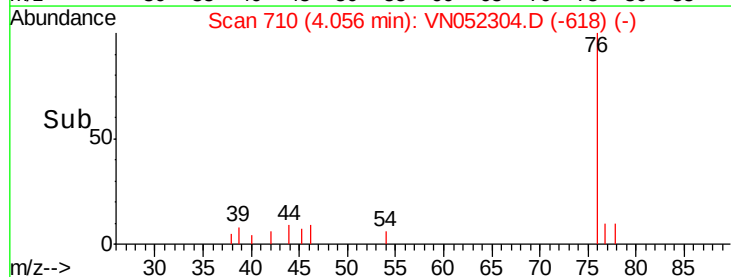
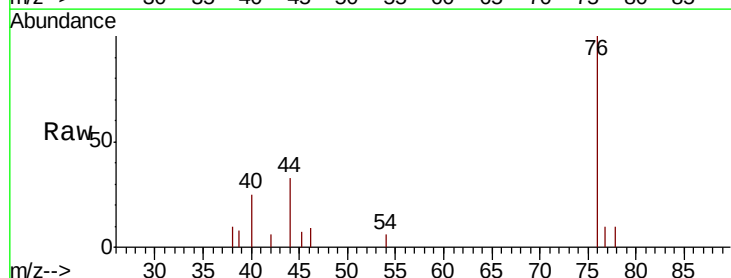
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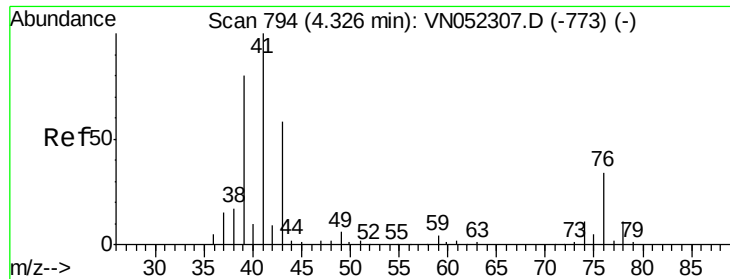
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#17  
Carbon Disulfide  
Concen: 0.958 ug/l  
RT: 4.06 min Scan# 710  
Delta R.T. -0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion: 76 Resp: 7584  
Ion Ratio Lower Upper  
76 100  
78 10.0 7.7 11.5





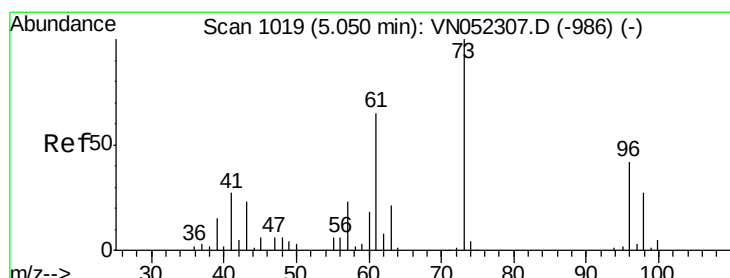
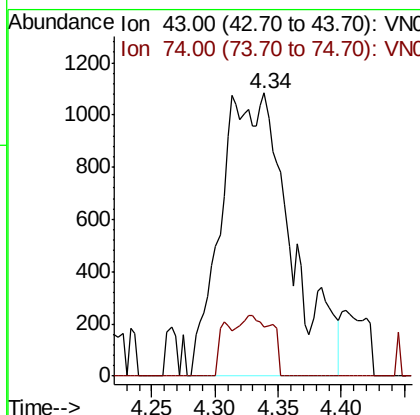
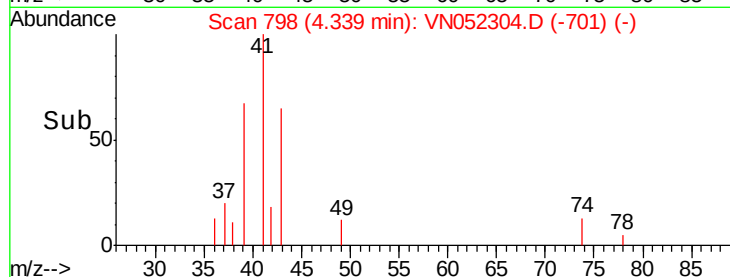
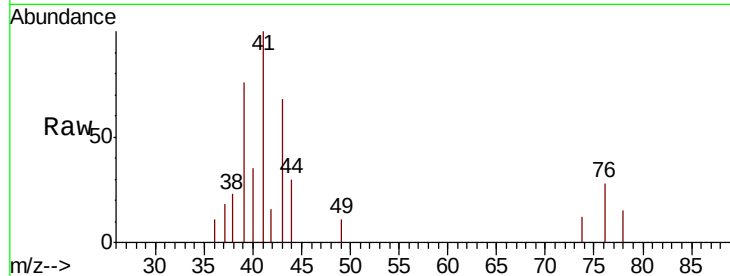
#18  
Methyl Acetate  
Concen: 1.354 ug/l m  
RT: 4.34 min Scan# 798  
Delta R.T. 0.01 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion: 43 Resp: 4099  
Ion Ratio Lower Upper  
43 100  
74 3.6 15.9 23.9#

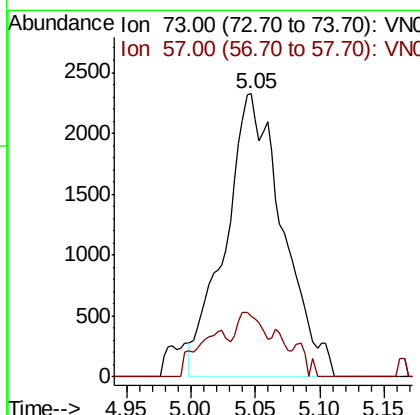
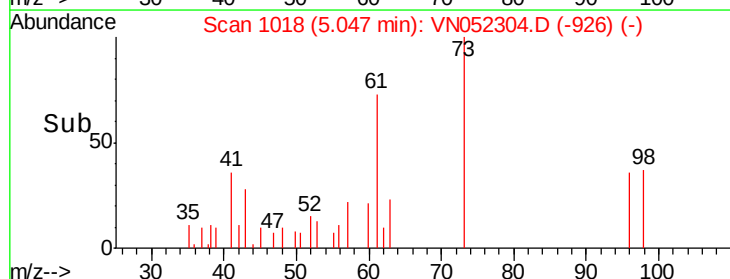
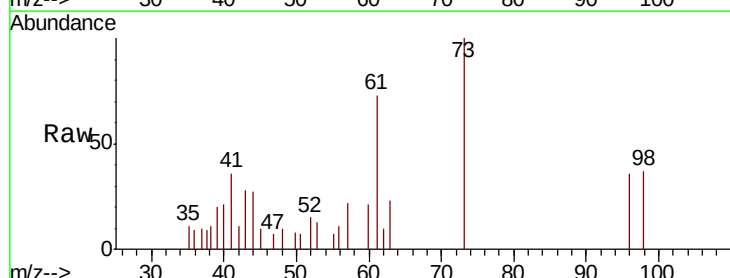
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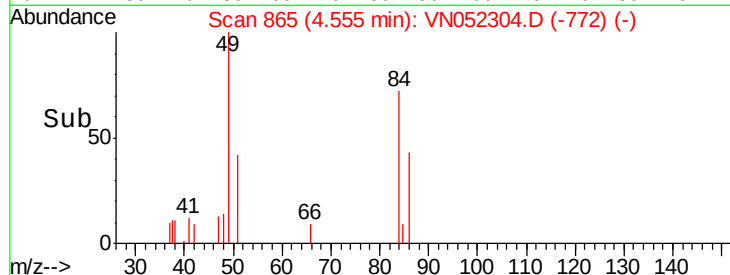
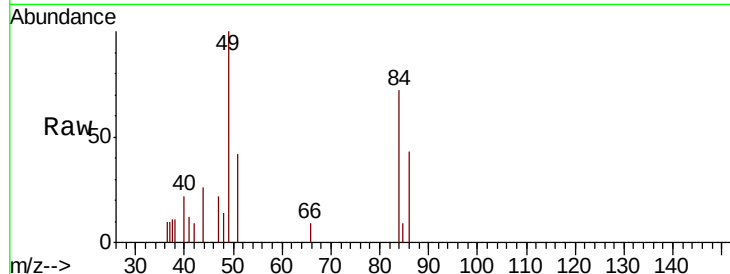
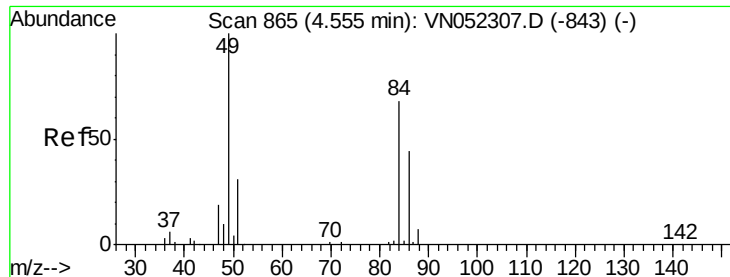
MMDadoda  
11/20/2018 2:58:04 PM



#19  
Methyl tert-butyl Ether  
Concen: 0.913 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion: 73 Resp: 7248  
Ion Ratio Lower Upper  
73 100  
57 21.5 18.7 28.1





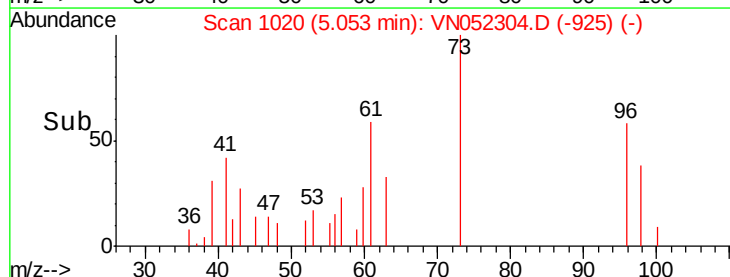
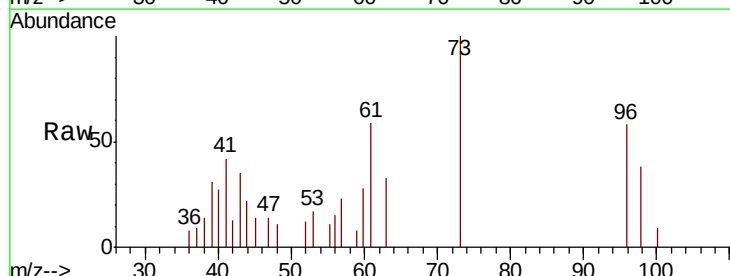
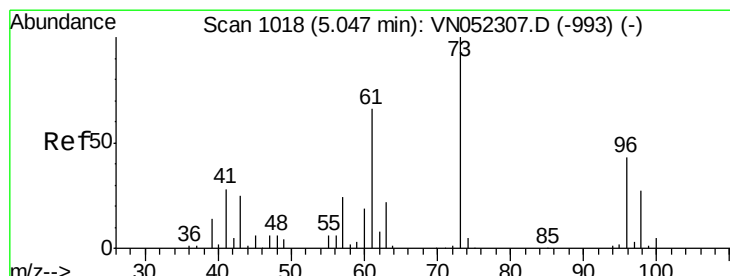
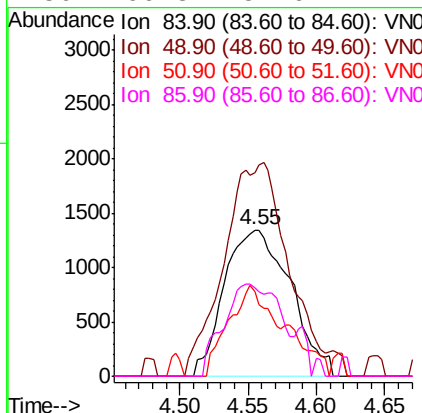
#20  
Methylene Chloride  
Concen: 1.304 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 126.7 | 118.2 | 177.2 |
| 51      | 57.9  | 36.1  | 54.1  |
| 86      | 60.3  | 51.6  | 77.4  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

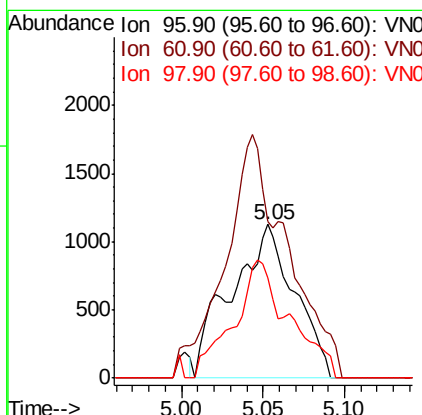
Manual Integrations  
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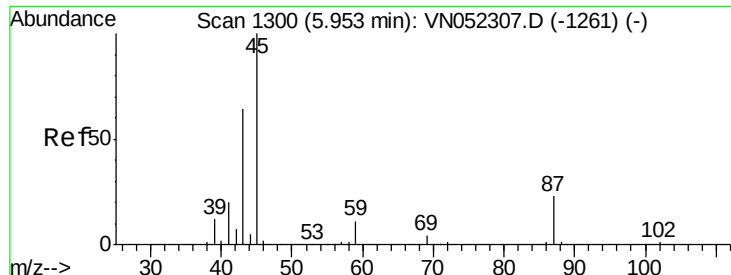
MMDadoda  
11/20/2018 2:58:04 PM



#21  
trans-1,2-Dichloroethene  
Concen: 1.069 ug/l m  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.01 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 102.1 | 123.6 | 185.4 |
| 98      | 65.5  | 50.7  | 76.1  |





#22

Diisopropyl ether

Concen: 0.938 ug/l m

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

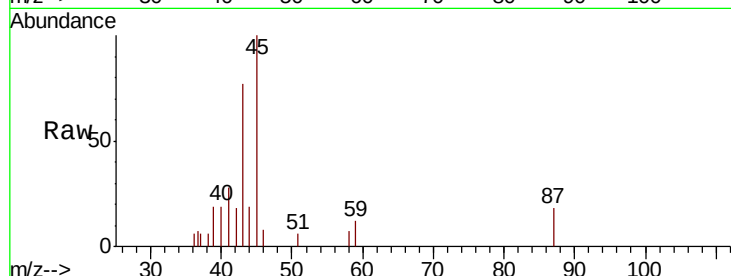
ClientSampleId :

VSTDIC001

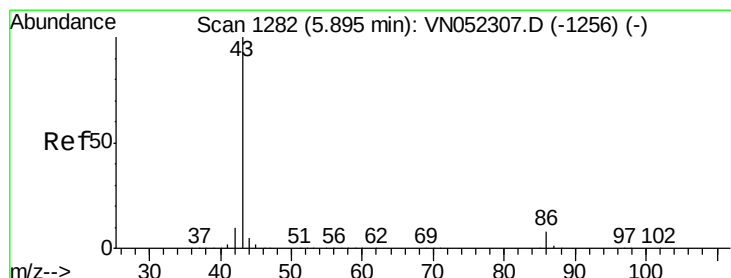
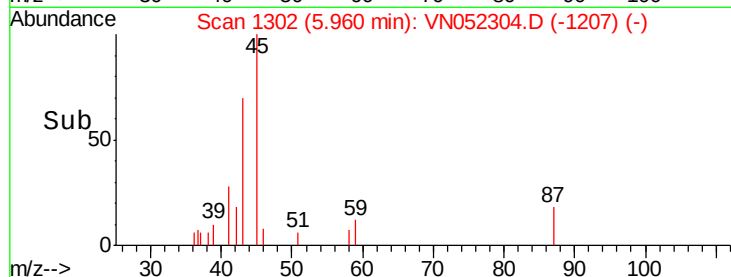
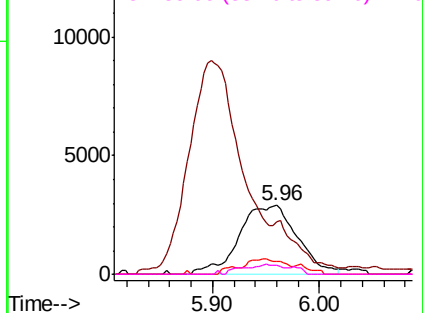
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 45    | Resp: | 10969 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 77.0  | 51.4  | 77.2  |
| 87       | 18.1  | 18.8  | 28.2# |
| 59       | 12.3  | 8.6   | 12.8  |

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Abundance Ion 45.00 (44.70 to 45.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 87.00 (86.70 to 87.70): VN0  
Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 3.908 ug/l

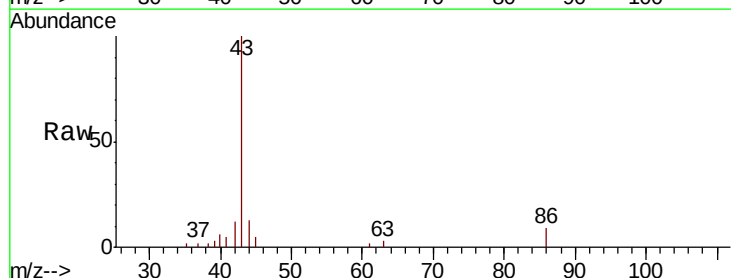
RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

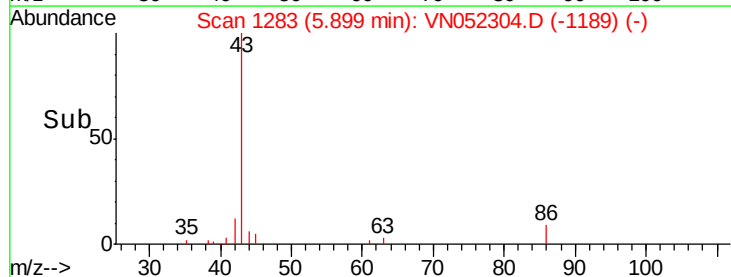
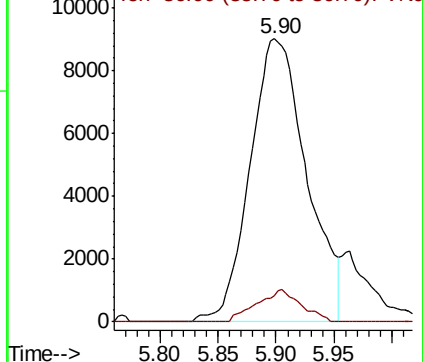
Lab File: VN052304.D

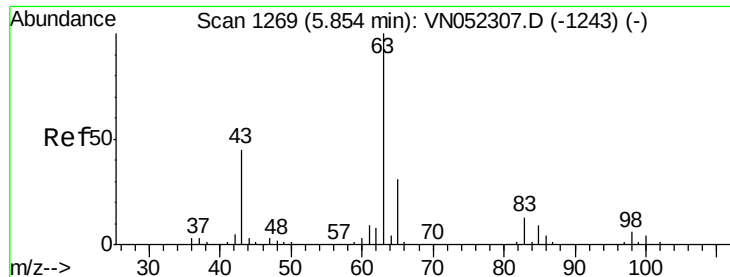
Acq: 14 Nov 2018 10:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 30671 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 9.4   | 6.5   | 9.7   |



Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 86.00 (85.70 to 86.70): VN0





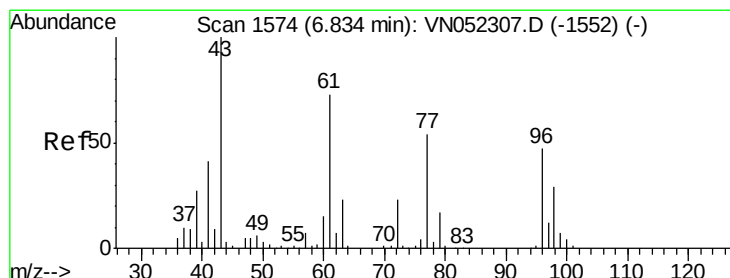
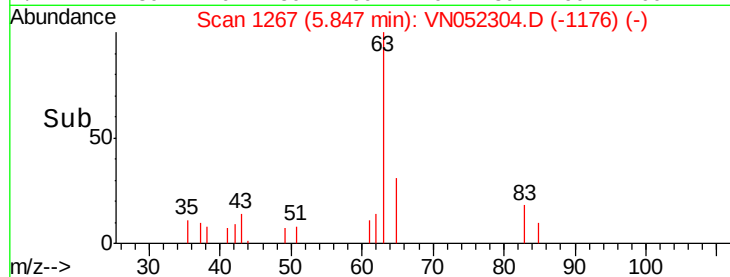
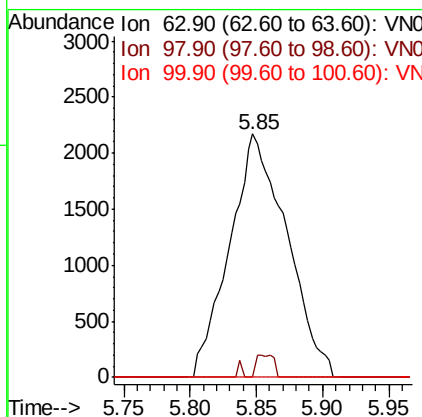
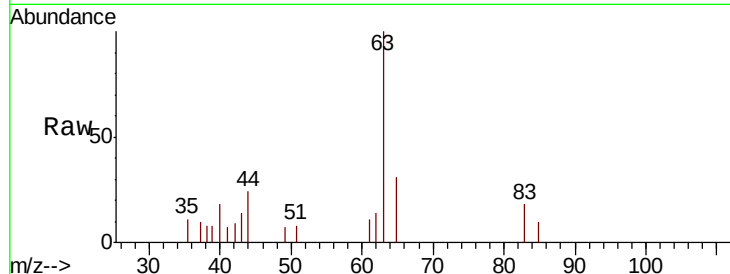
#24  
 1,1-Dichloroethane  
 Concen: 1.052 ug/l  
 RT: 5.85 min Scan# 1267  
 Delta R.T. -0.01 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 98      | 0.0   | 2.9   | 8.6#  |
| 100     | 0.0   | 1.9   | 5.7#  |

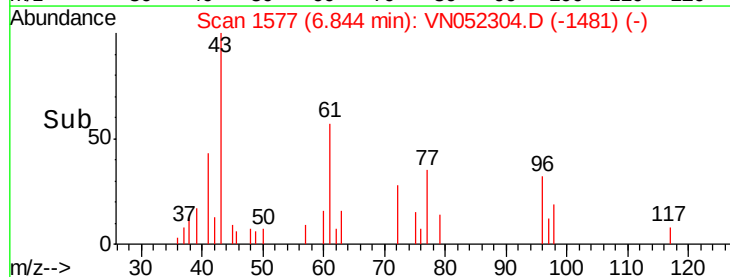
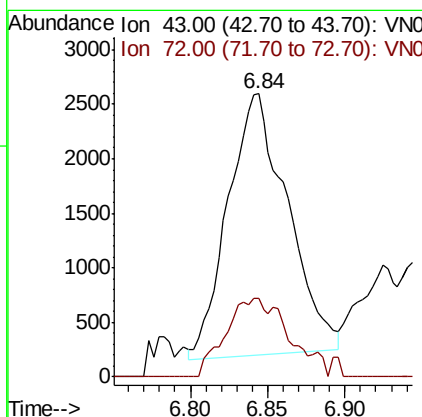
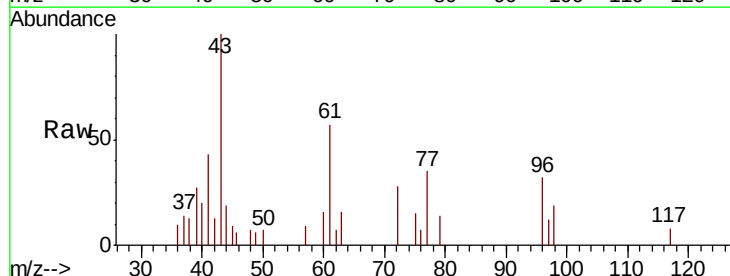
Manual Integrations  
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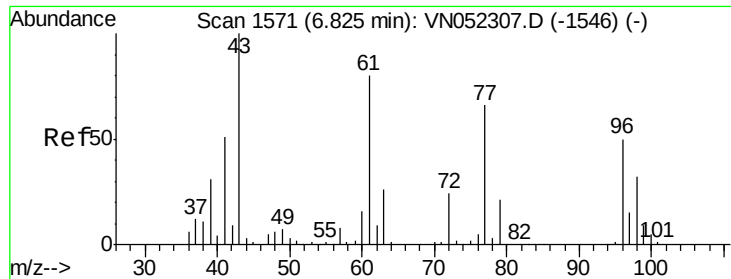
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 11/20/2018 2:58:04 PM



#25  
 2-Butanone  
 Concen: 4.381 ug/l  
 RT: 6.84 min Scan# 1577  
 Delta R.T. 0.01 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 30.6  | 18.6  | 27.8# |





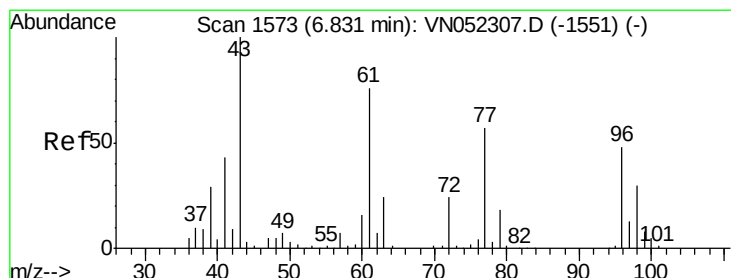
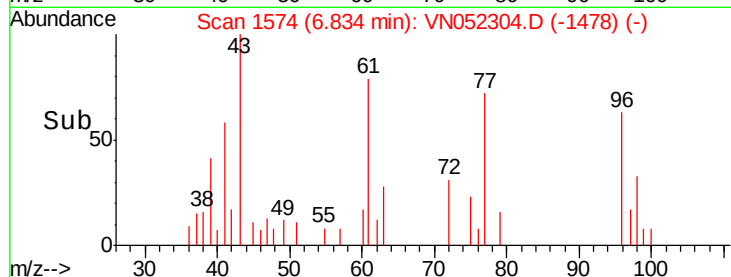
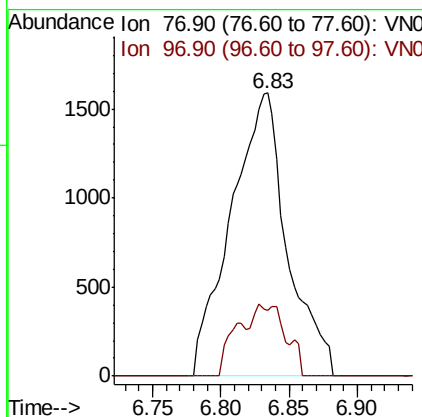
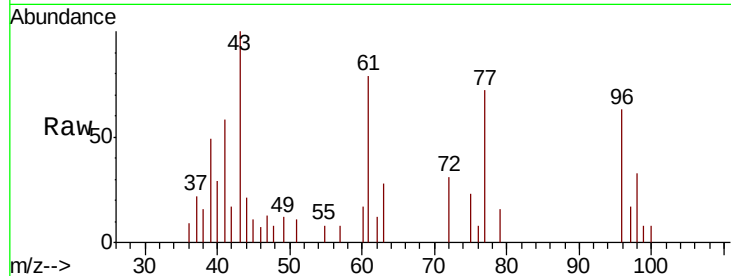
#26  
 2,2-Dichloropropane  
 Concen: 0.999 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. 0.01 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Tot Ion: 77 Resp: 4556  
 Ion Ratio Lower Upper  
 77 100  
 97 15.2 11.1 33.1

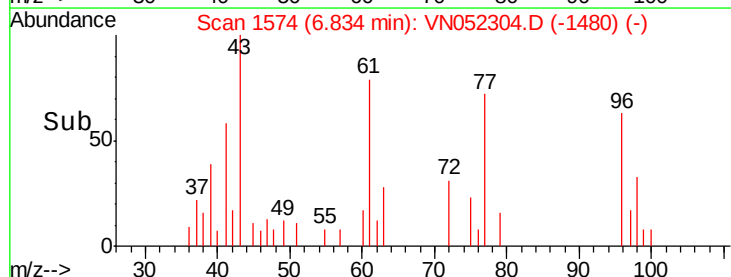
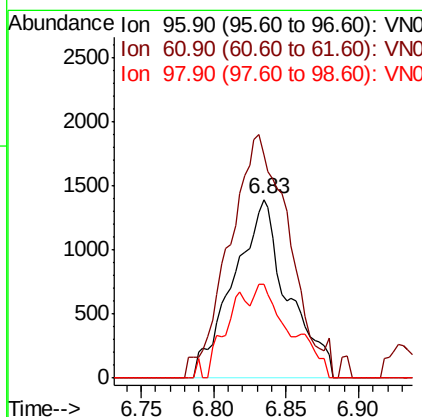
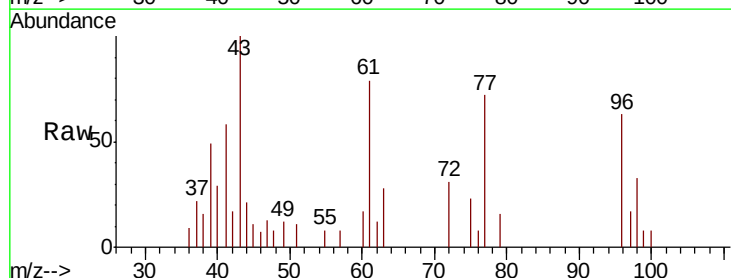
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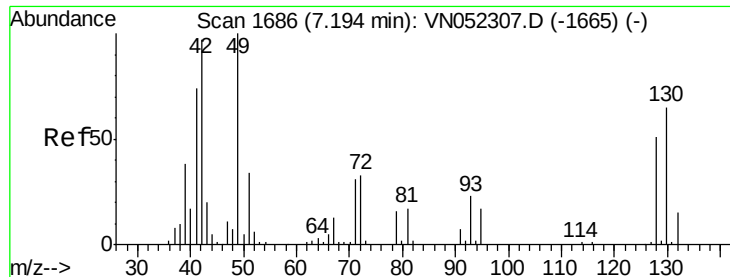


#27  
 cis-1,2-Dichloroethene  
 Concen: 1.051 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Tgt Ion: 96 Resp: 3639  
 Ion Ratio Lower Upper  
 96 100  
 61 149.6 0.0 316.8  
 98 14.3 0.0 126.6







#28

Bromochloromethane

Concen: 1.064 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

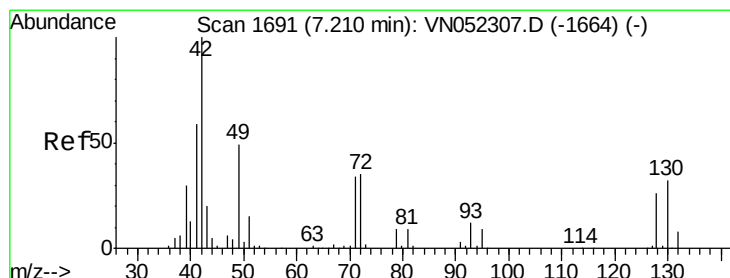
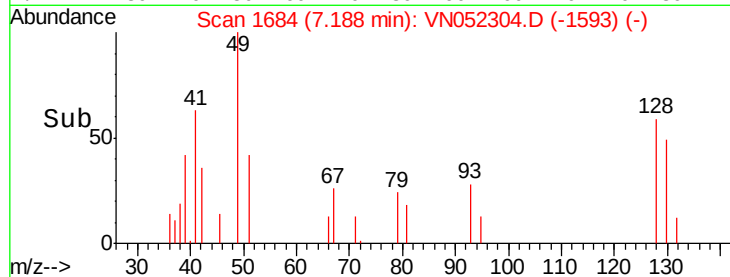
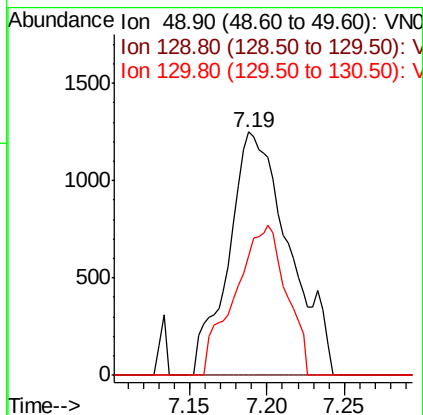
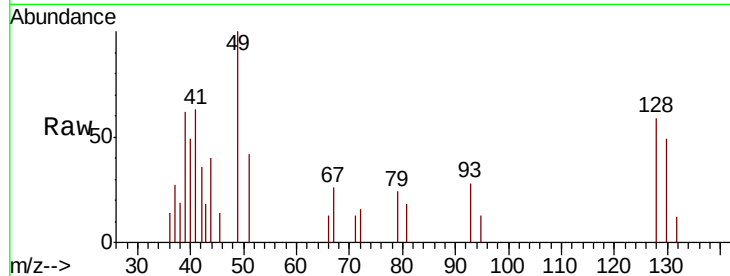
ClientSampleId :

VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 3.0   |
| 130     | 52.4  | 50.4  | 75.6  |

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#29

Tetrahydrofuran

Concen: 5.042 ug/l m

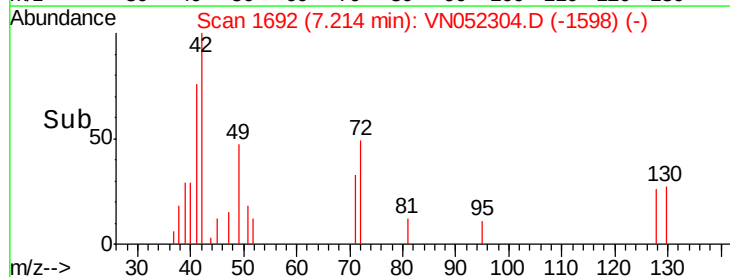
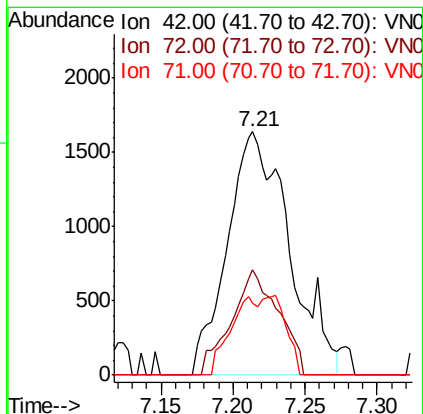
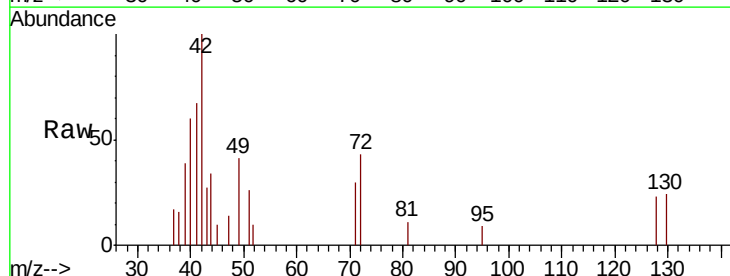
RT: 7.21 min Scan# 1692

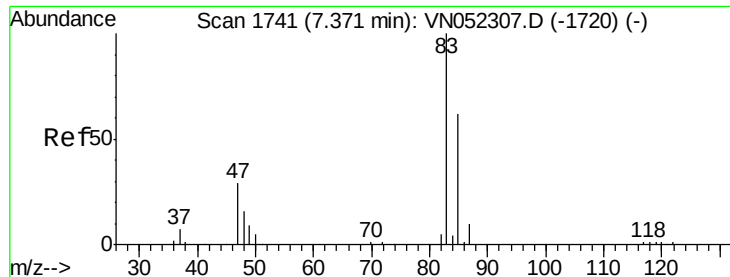
Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 32.8  | 28.6  | 42.8  |
| 71      | 14.2  | 26.7  | 40.1# |





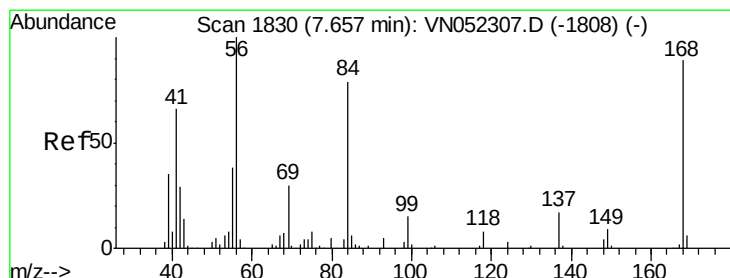
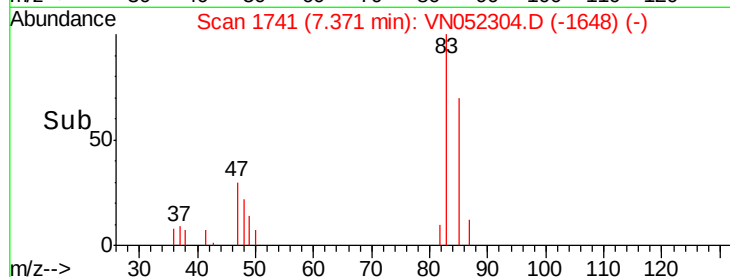
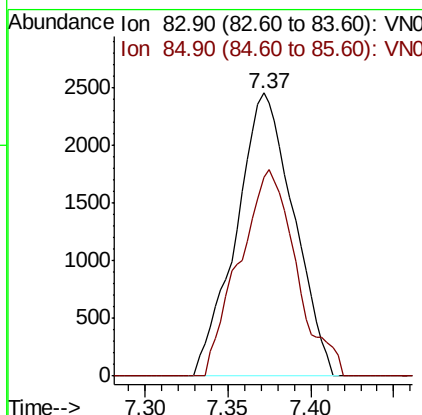
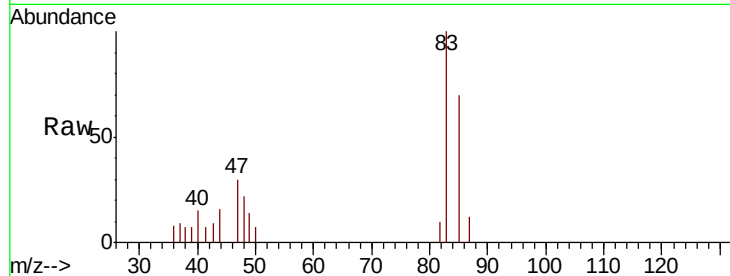
#30  
Chloroform  
Concen: 1.002 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion: 83 Resp: 5926  
Ion Ratio Lower Upper  
83 100  
85 70.3 49.4 74.2

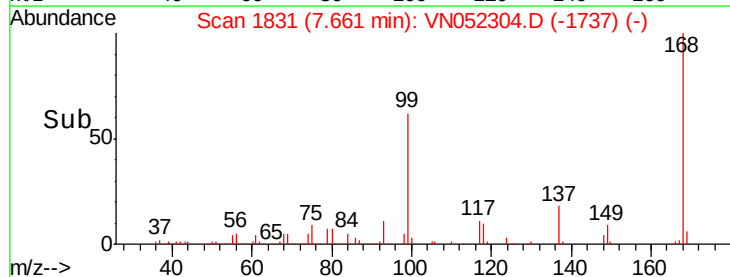
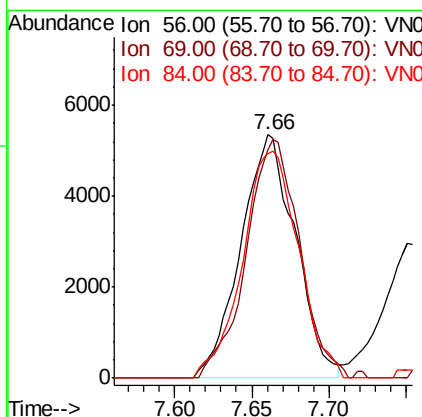
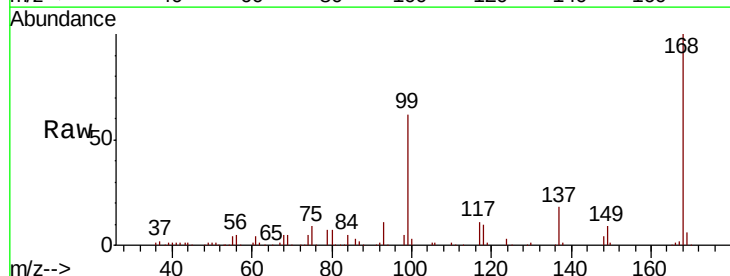
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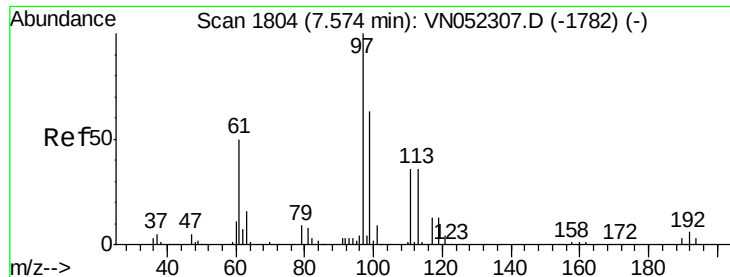
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#31  
Cyclohexane  
Concen: 1.830 ug/l  
RT: 7.66 min Scan# 1831  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion: 56 Resp: 13158  
Ion Ratio Lower Upper  
56 100  
69 93.7 23.8 35.8#  
84 92.3 63.0 94.6





#32

1,1,1-Trichloroethane

Concen: 1.031 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

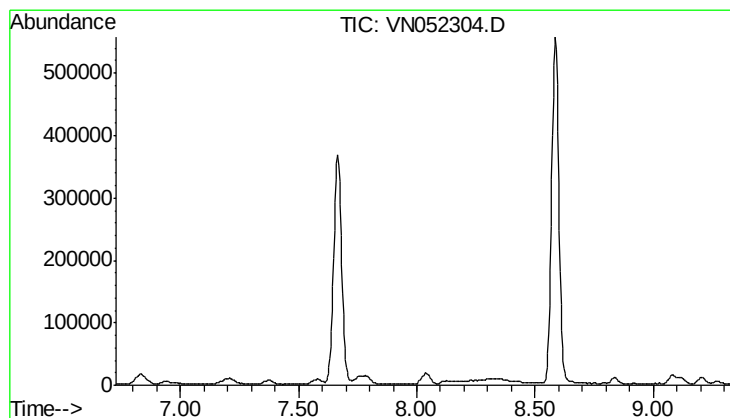
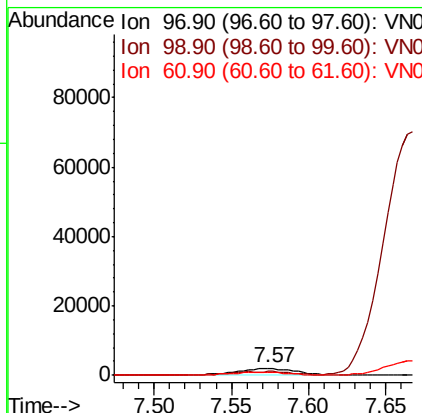
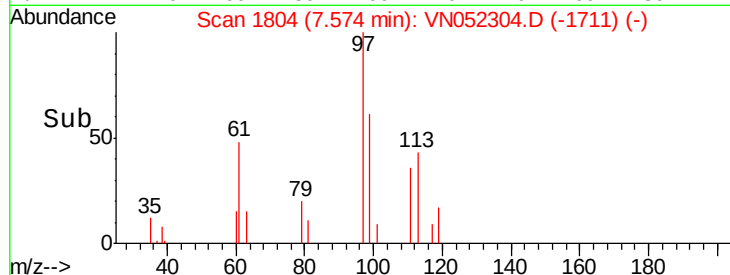
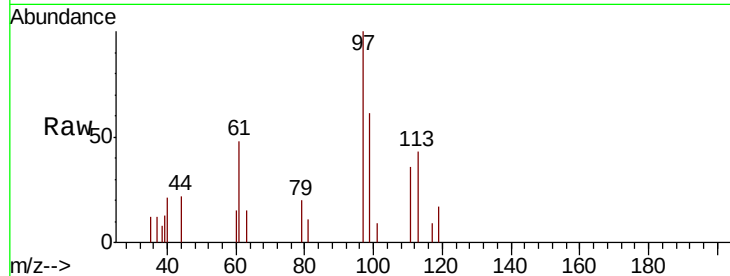
ClientSampleId :

VSTDIC001

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 97      | 100  |       |       |       |
| 99      | 0.0  | 50.2  | 75.2# |       |
| 61      | 48.0 | 40.2  | 60.4  |       |

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#33

1,2-Dichloroethane-d4

Concen: 1.031 ug/l

Expected RT: 8.03 min

Lab File: VN052304.D

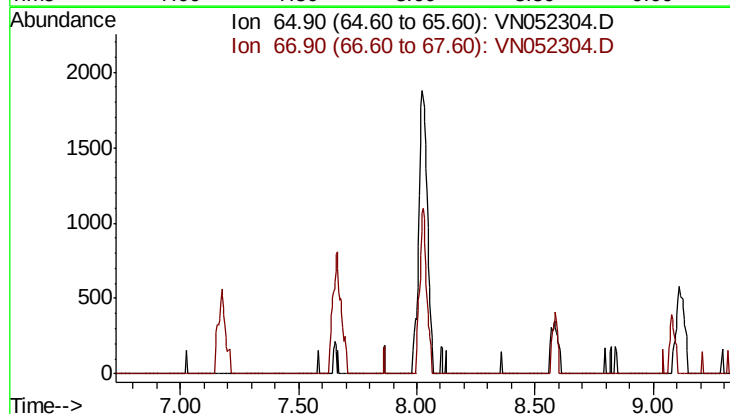
Acq: 14 Nov 2018 10:31

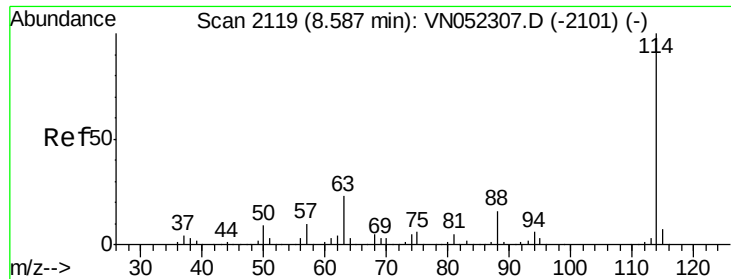
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.6





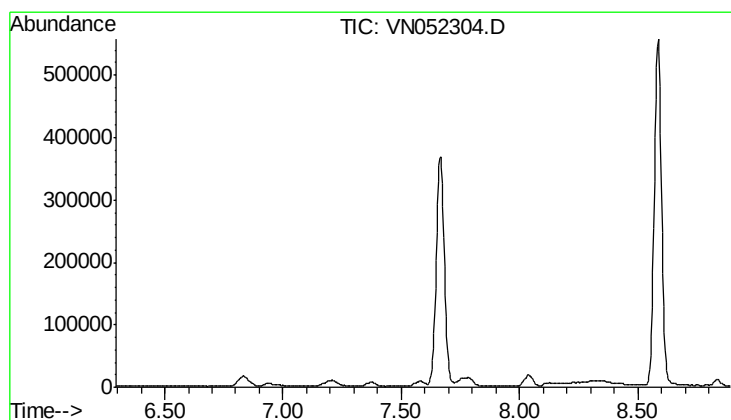
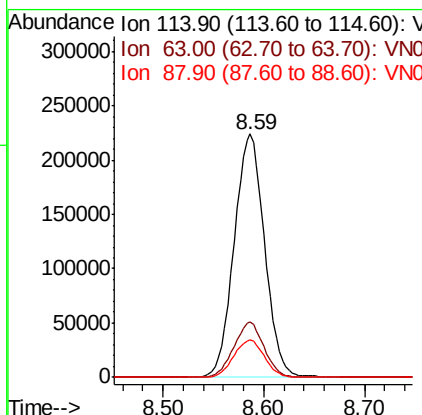
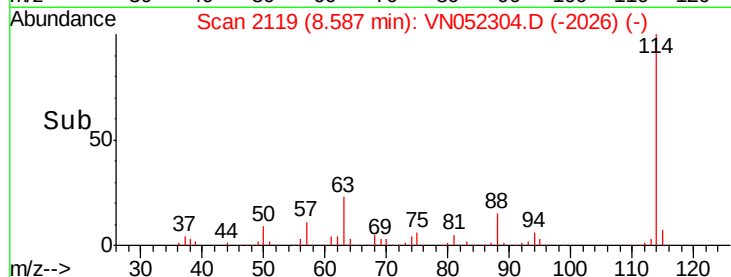
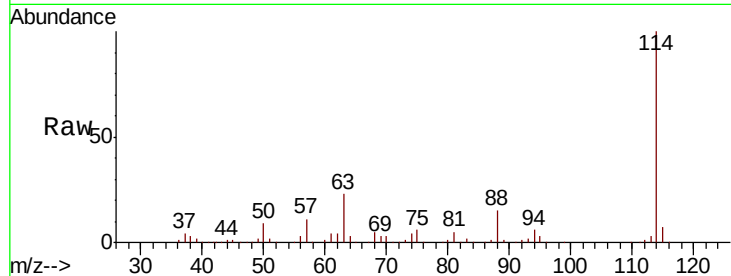
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 114     | 100   |            |       |
| 63      | 22.8  | 0.0        | 45.4  |
| 88      | 15.2  | 0.0        | 31.2  |

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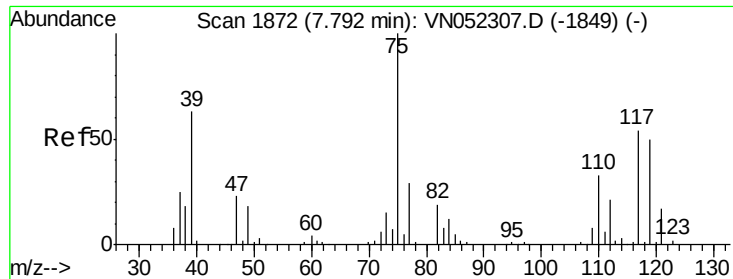
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#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 Expected RT: 7.59 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Exp Ratio |
|---------|-----------|
| 113     | 100       |
| 111     | 101.3     |
| 192     | 17.2      |





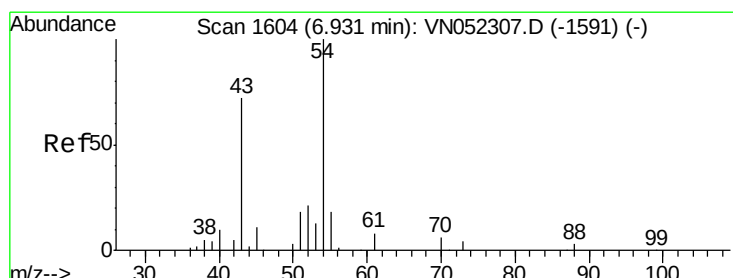
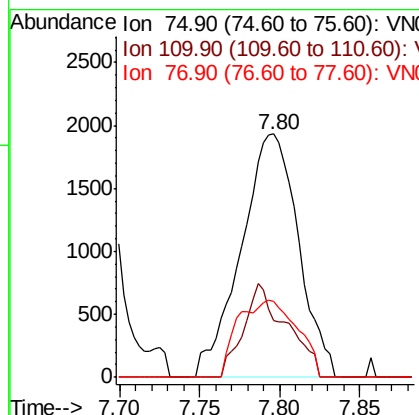
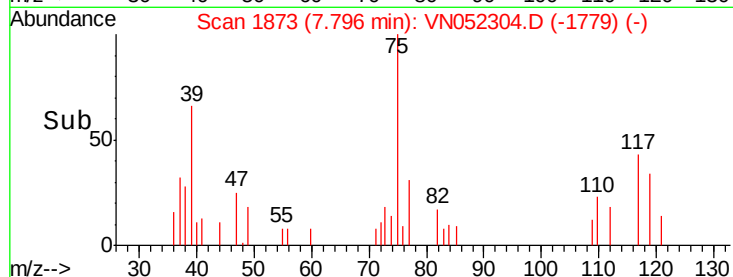
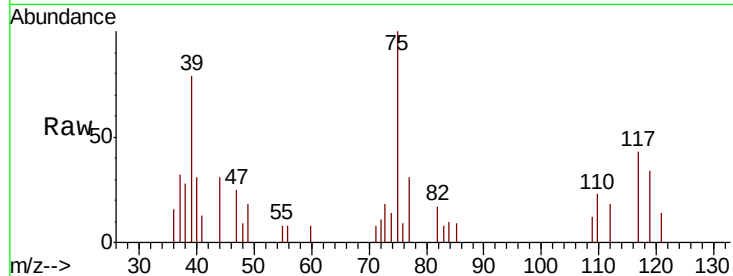
#36  
 1,1-Dichloropropene  
 Concen: 1.016 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 28.6  | 16.5  | 49.5  |
| 77      | 32.4  | 24.2  | 36.2  |

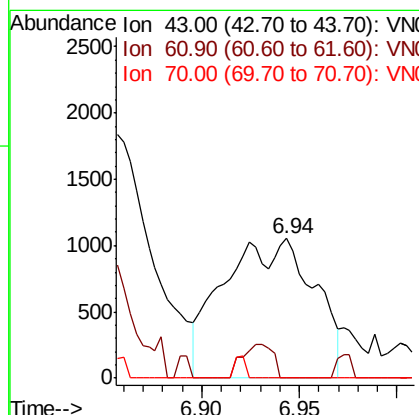
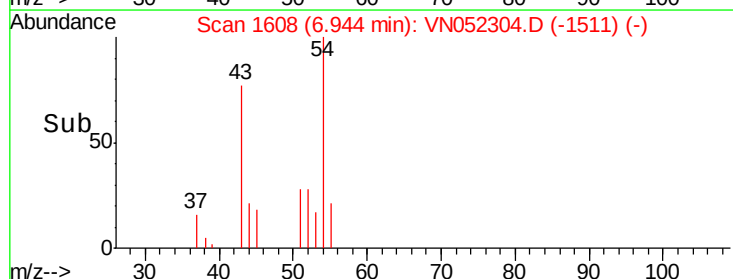
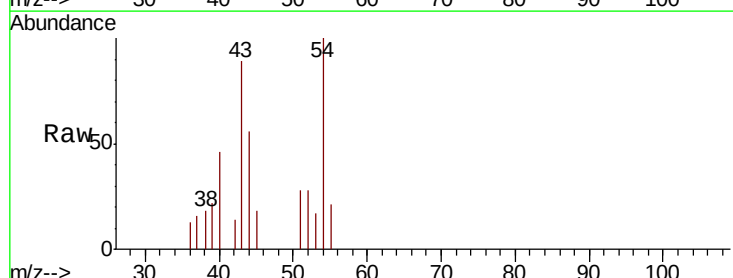
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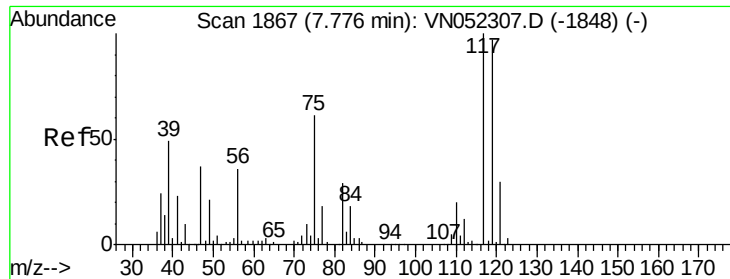
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#37  
 Ethyl Acetate  
 Concen: 0.948 ug/l m  
 RT: 6.94 min Scan# 1608  
 Delta R.T. 0.01 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 8.2   | 10.3  | 15.5# |
| 70      | 1.9   | 5.6   | 8.4#  |





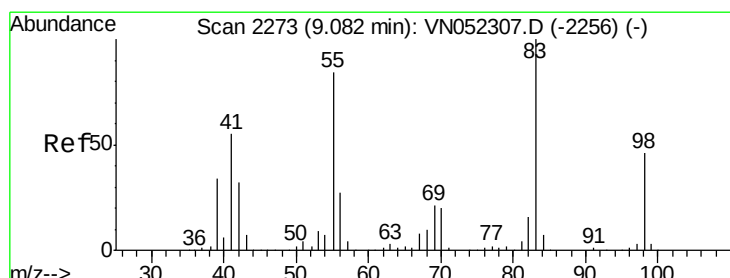
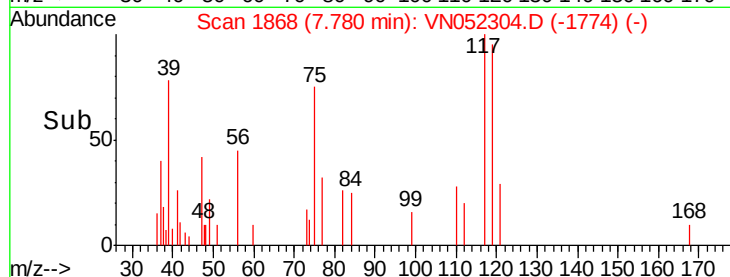
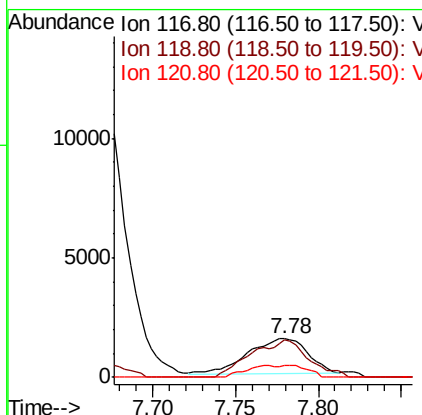
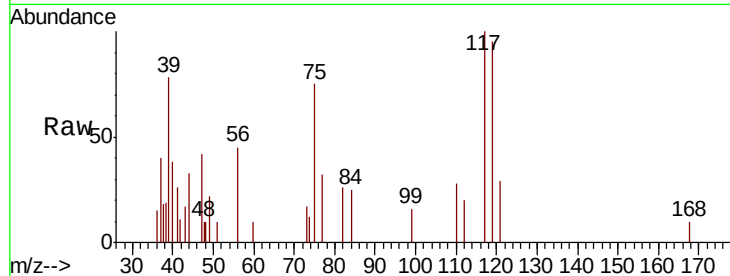
#38  
Carbon Tetrachloride  
Concen: 0.858 ug/l  
RT: 7.78 min Scan# 1868  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion:117 Resp: 3703  
Ion Ratio Lower Upper  
117 100  
119 108.5 77.4 116.0  
121 33.4 24.0 36.0

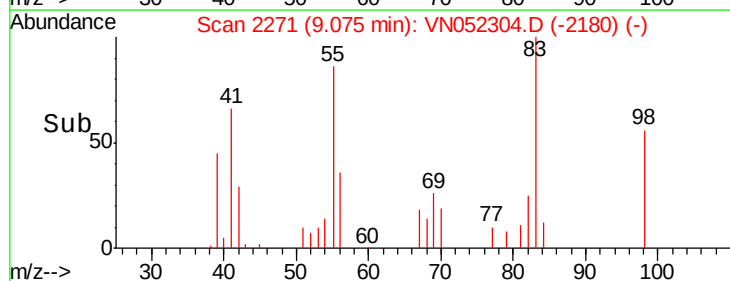
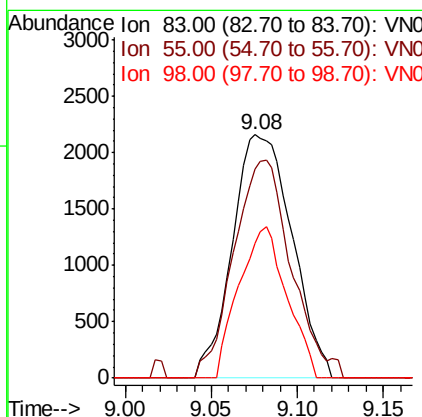
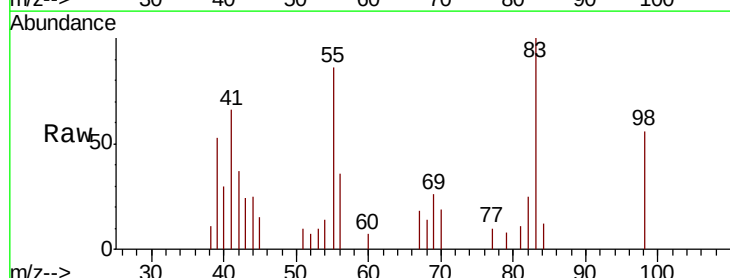
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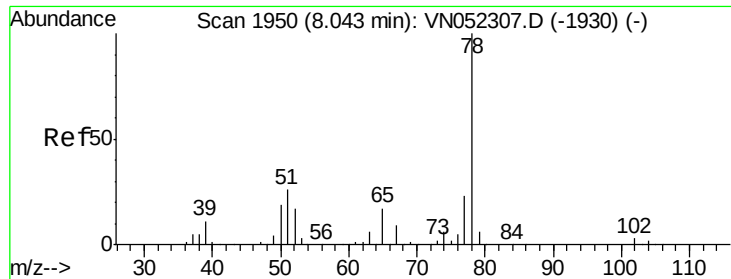
MMDadoda  
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#39  
Methylcyclohexane  
Concen: 0.969 ug/l  
RT: 9.08 min Scan# 2271  
Delta R.T. -0.01 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion: 83 Resp: 5196  
Ion Ratio Lower Upper  
83 100  
55 85.8 66.8 100.2  
98 55.6 36.4 54.6#





#40

Benzene

Concen: 0.998 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 13401

Ion Ratio Lower Upper

78 100

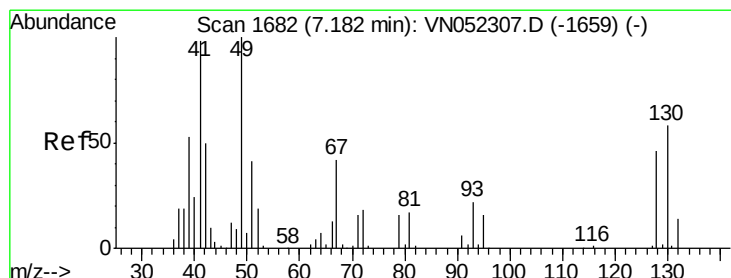
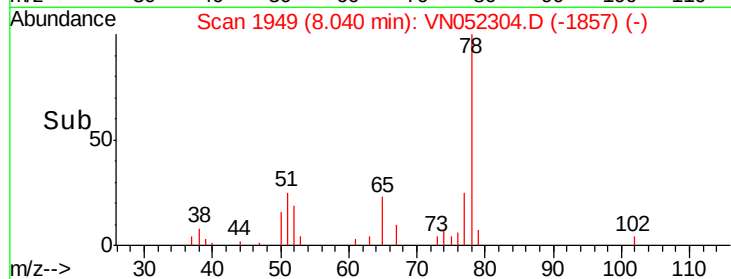
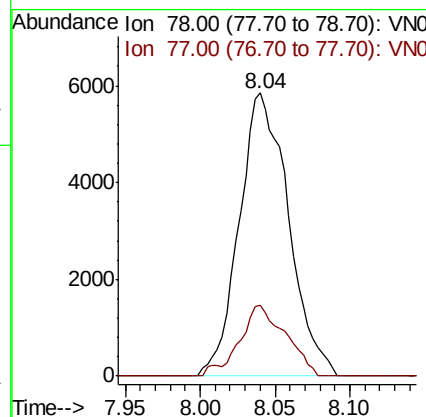
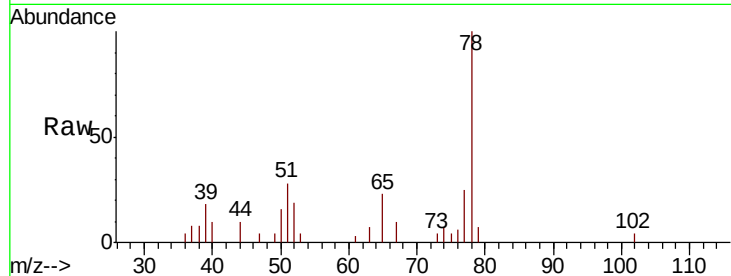
77 25.0 18.7 28.1

Manual Integrations

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#41

Methacrylonitrile

Concen: 1.455 ug/l m

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Tgt Ion: 41 Resp: 2810

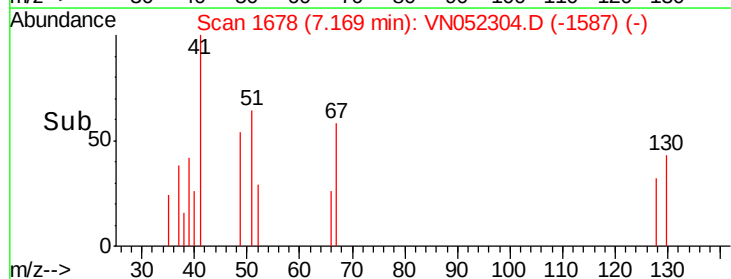
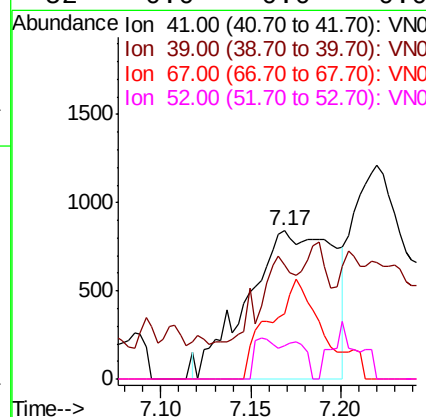
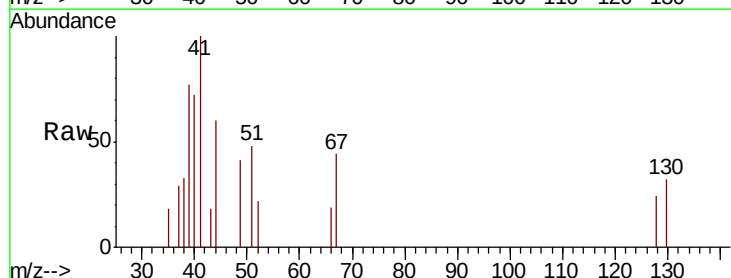
Ion Ratio Lower Upper

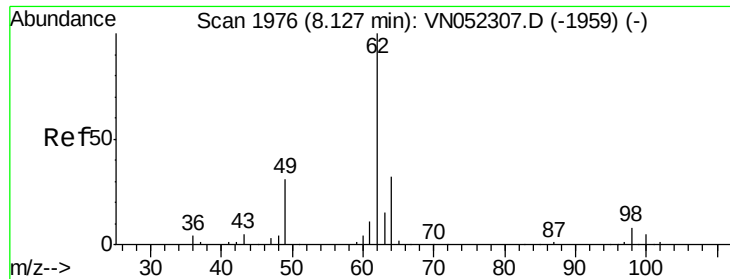
41 100

39 13.7 0.0 0.0#

67 38.6 0.0 0.0#

52 0.0 0.0 0.0





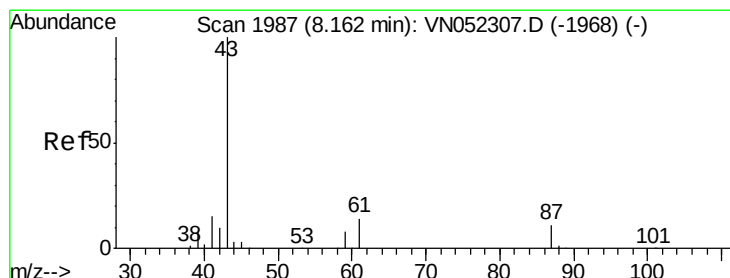
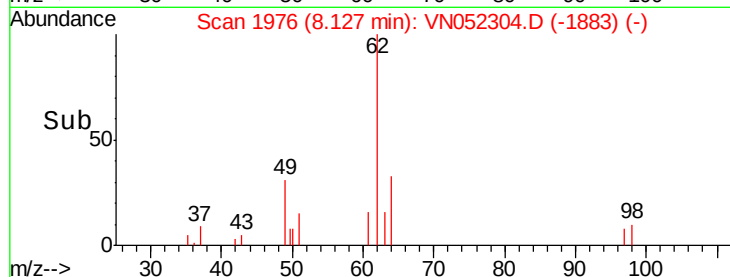
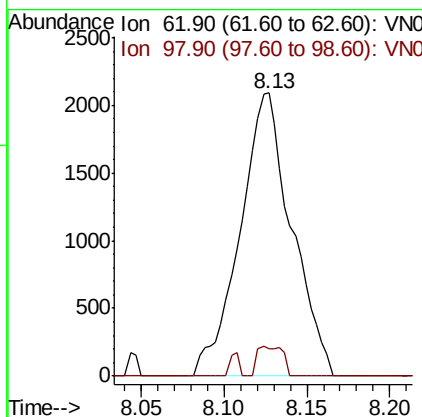
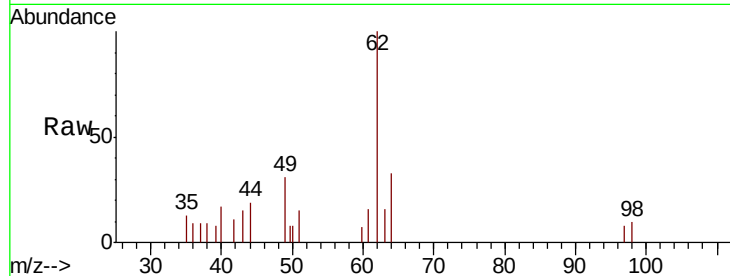
#42  
 1,2-Dichloroethane  
 Concen: 0.943 ug/l  
 RT: 8.13 min Scan# 1976  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 5.2   | 0.0   | 15.6  |

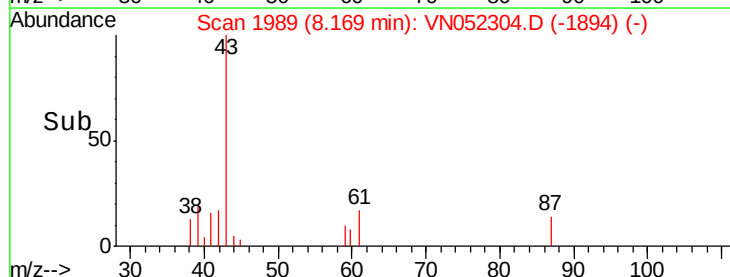
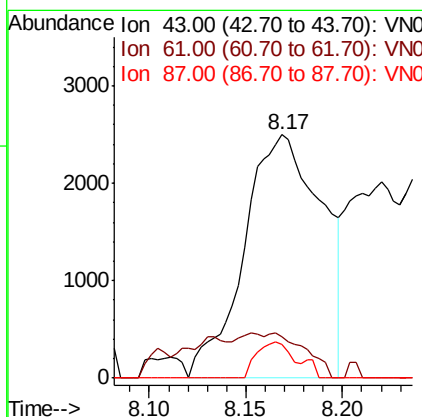
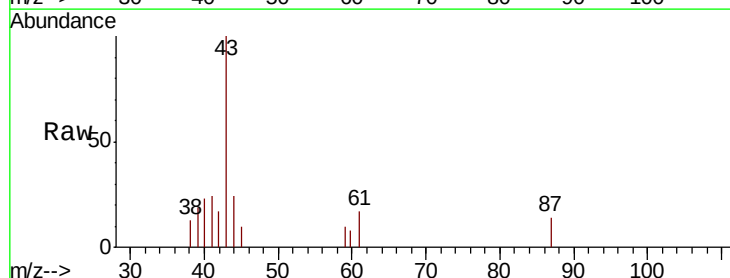
Manual Integrations  
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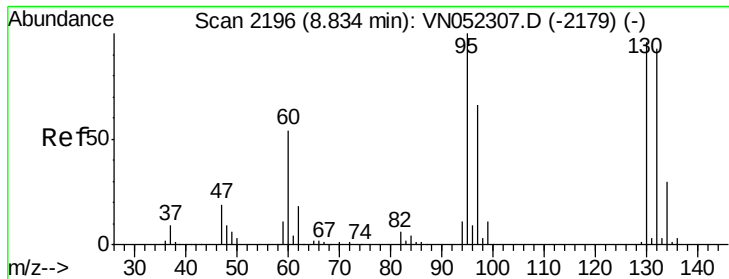


#43  
 Isopropyl Acetate  
 Concen: 1.066 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.01 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 0.0   | 12.0  | 18.0# |
| 87      | 7.8   | 8.3   | 12.5# |







#44

Trichloroethene

Concen: 0.948 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 3134

Ion Ratio Lower Upper

130 100

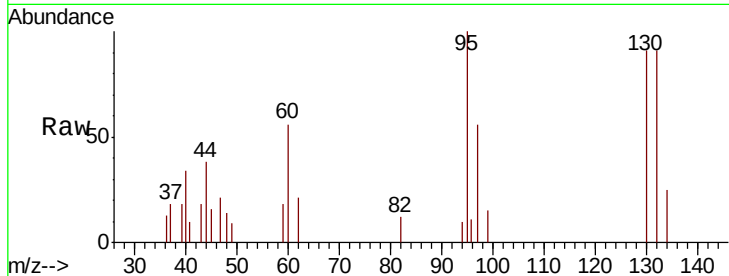
95 109.7 0.0 208.4

Manual Integrations

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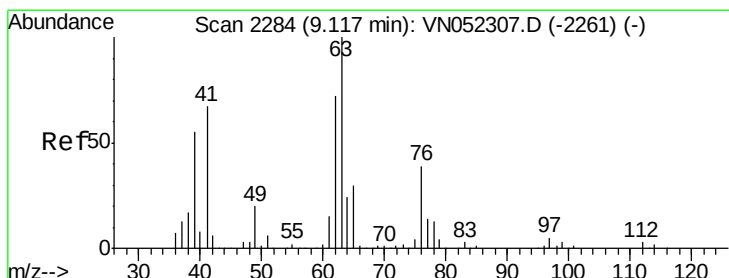
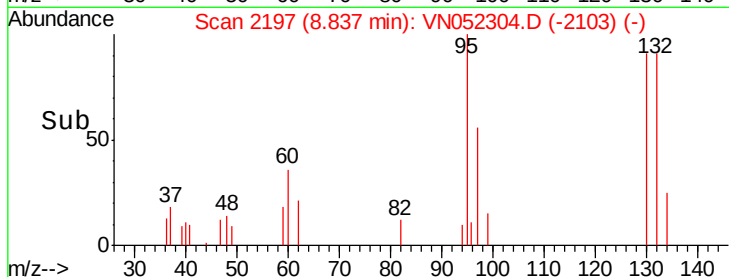
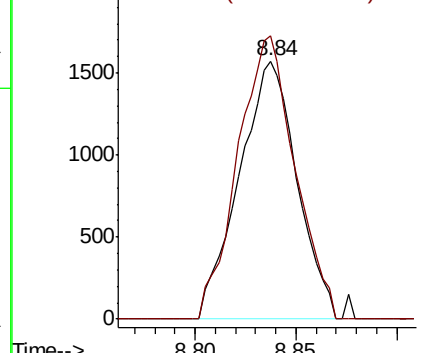
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 0.998 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN052304.D

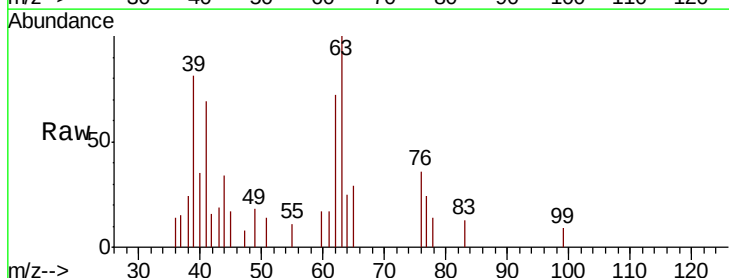
Acq: 14 Nov 2018 10:31

Tgt Ion: 63 Resp: 3802

Ion Ratio Lower Upper

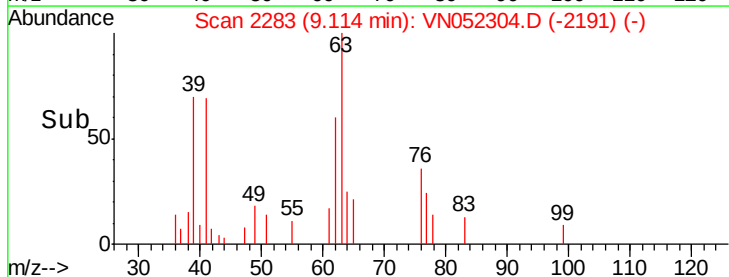
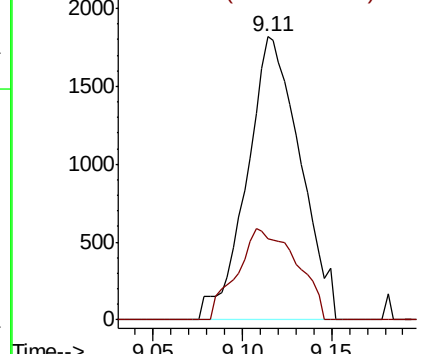
63 100

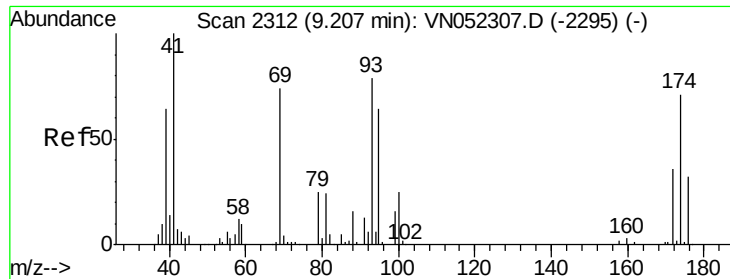
65 28.9 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





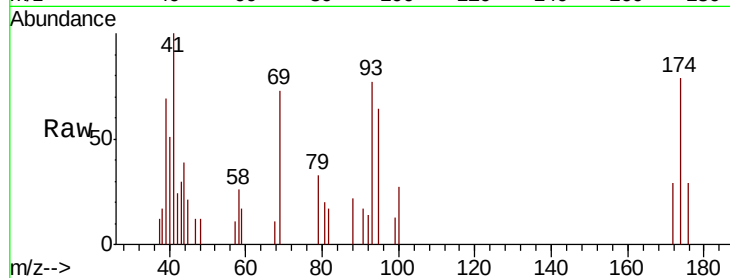
#46  
Dibromomethane  
Concen: 0.964 ug/l  
RT: 9.21 min Scan# 2312  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

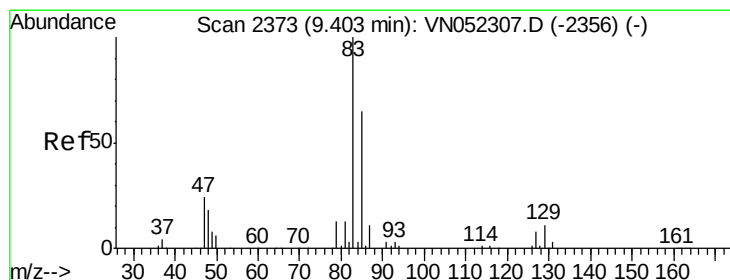
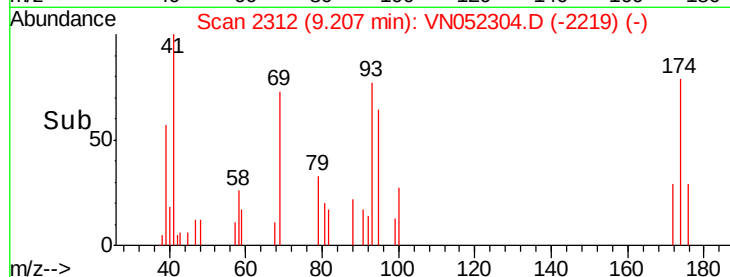
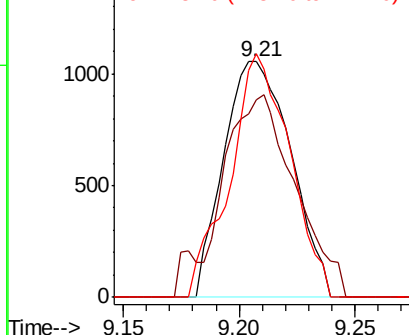
Tot Ion: 93 Resp: 2126  
Ion Ratio Lower Upper  
93 100  
95 88.3 64.2 96.2  
174 91.9 70.9 106.3

Manual Integrations  
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11/20/2018 2:58:04 PM

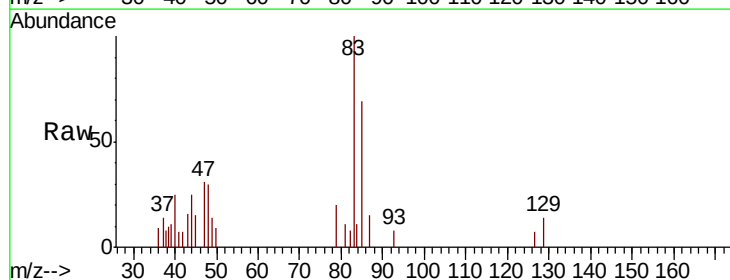


Abundance Ion 92.80 (92.50 to 93.50): VN0  
Ion 94.80 (94.50 to 95.50): VN0  
Ion 173.70 (173.40 to 174.40): V

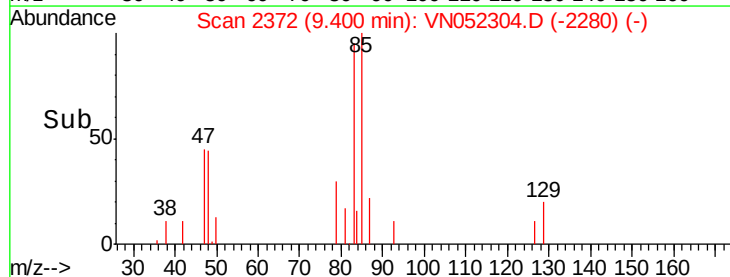
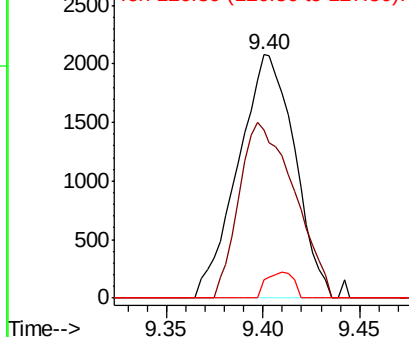


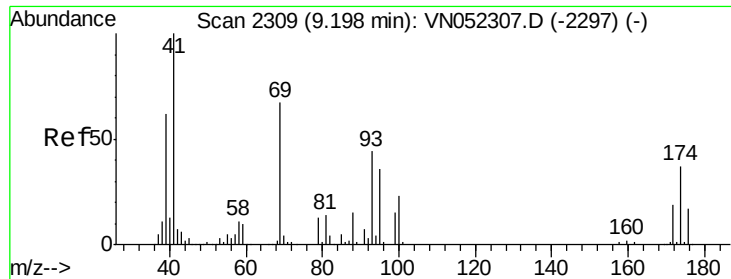
#47  
Bromodichloromethane  
Concen: 0.936 ug/l  
RT: 9.40 min Scan# 2372  
Delta R.T. -0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion: 83 Resp: 4233  
Ion Ratio Lower Upper  
83 100  
85 69.0 52.2 78.4  
127 7.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 126.80 (126.50 to 127.50): V





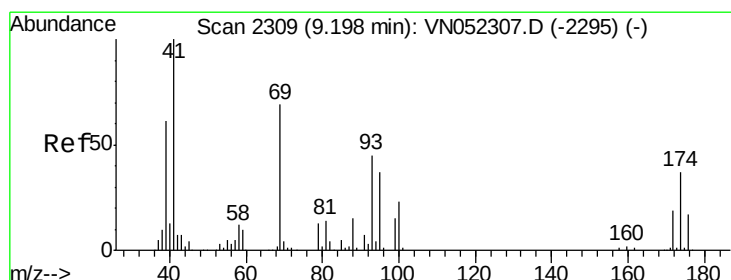
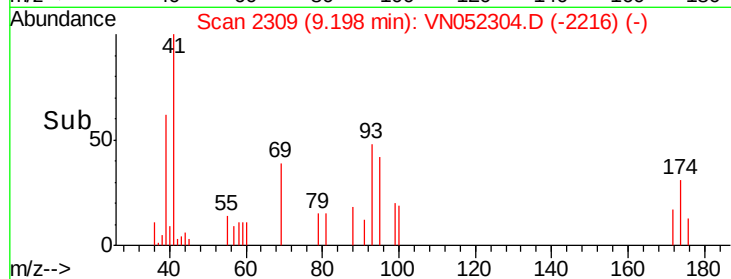
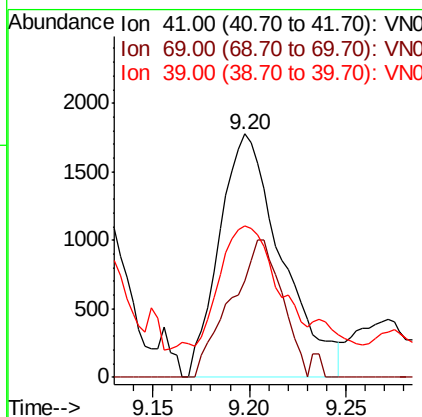
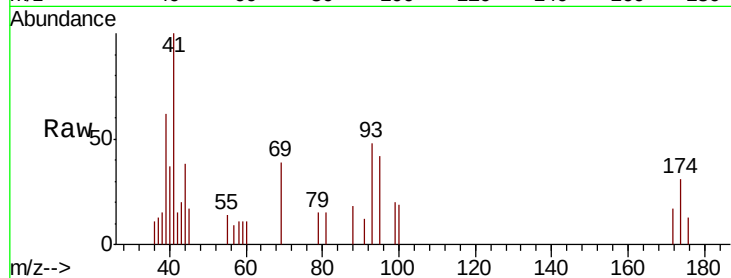
#48  
Methyl methacrylate  
Concen: 1.193 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 46.4  | 57.1  | 85.7# |
| 39      | 44.2  | 52.5  | 78.7# |

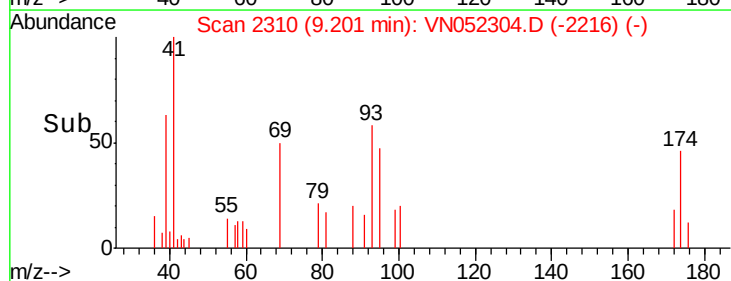
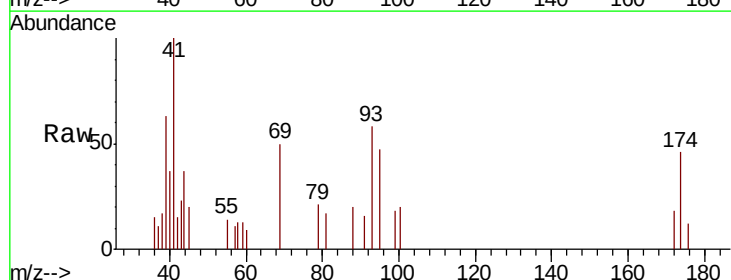
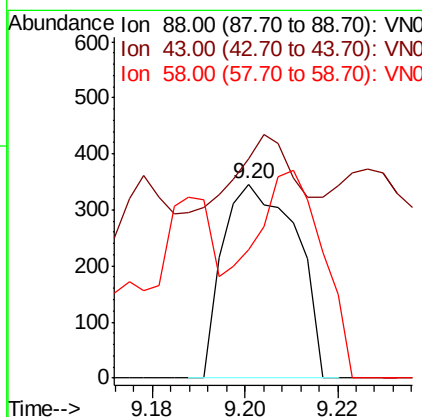
Manual Integrations  
APPROVED

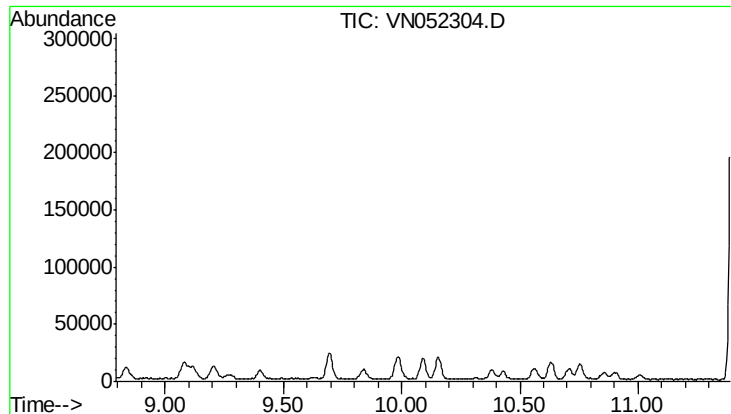
MMDadoda  
11/20/2018 2:58:04 PM



#49  
1,4-Dioxane  
Concen: 14.906 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 0.0   | 33.3  | 49.9# |
| 58      | 97.1  | 59.2  | 88.8# |





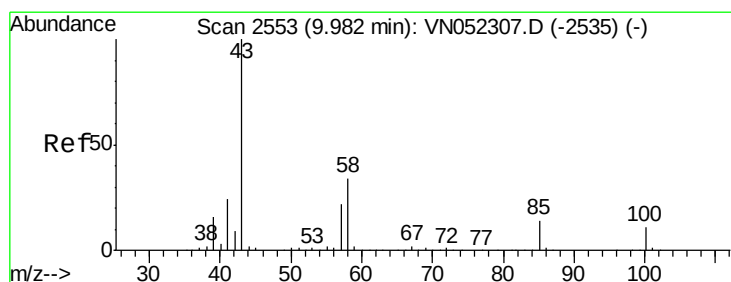
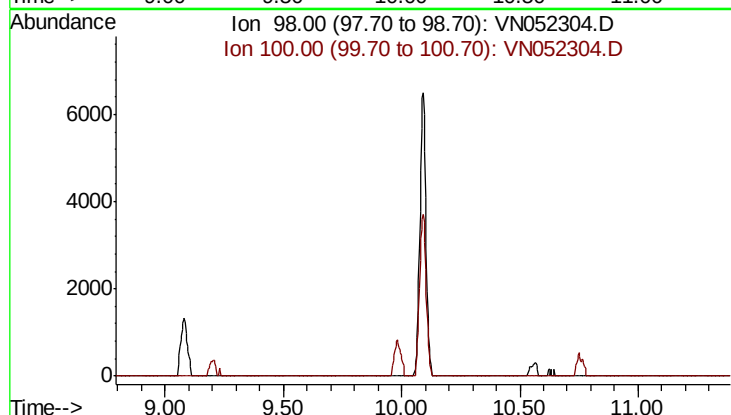
#50  
Toluene-d8  
Concen: 14.906 ug/l  
Expected RT: 10.09 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Manual Integrations  
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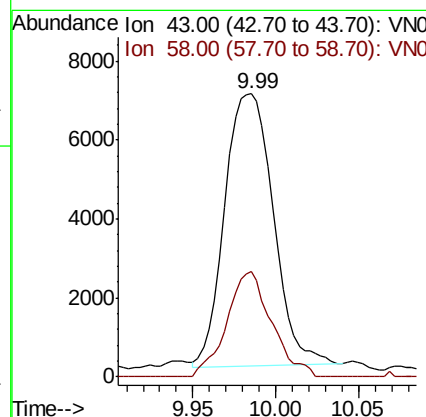
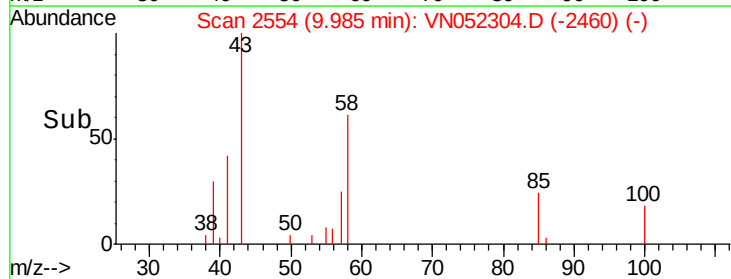
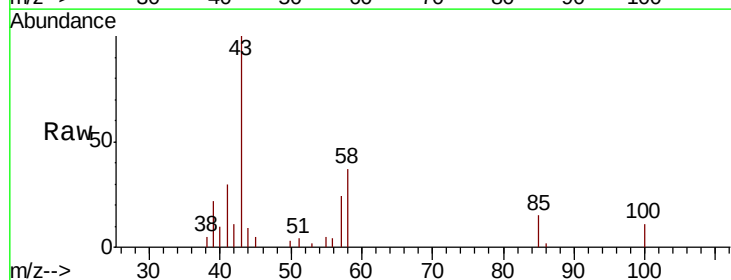
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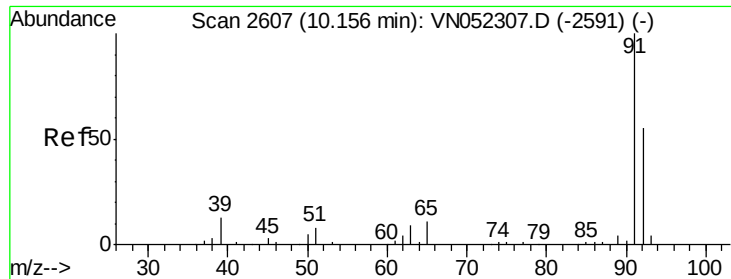
Tot Ion: 98  
Sig Exp Ratio  
98 100  
100 61.9



#51  
4-Methyl-2-Pentanone  
Concen: 4.241 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion: 43 Resp: 14045  
Ion Ratio Lower Upper  
43 100  
58 35.7 27.0 40.6





#52

Toluene

Concen: 0.935 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 7506

Ion Ratio Lower Upper

92 100

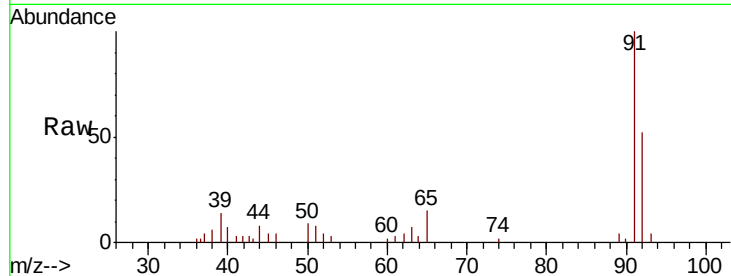
91 184.1 143.6 215.4

Manual Integrations

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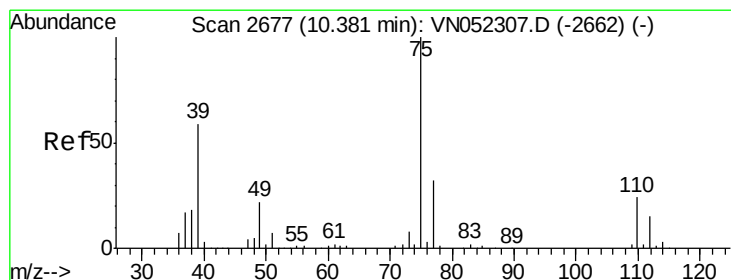
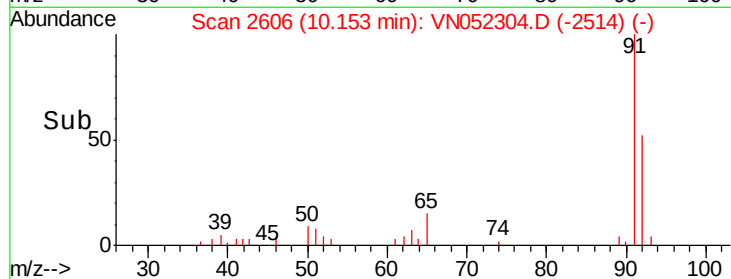
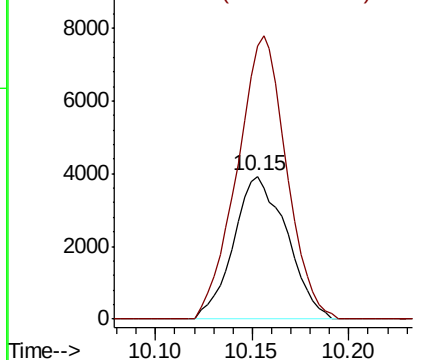
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.852 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052304.D

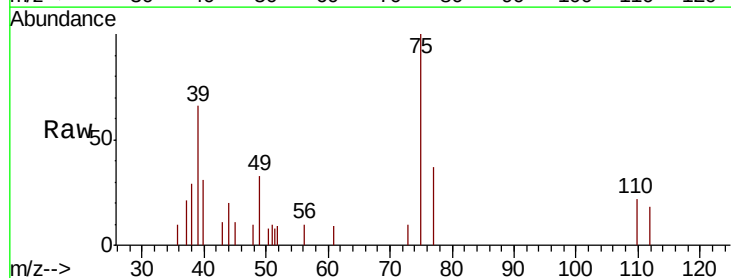
Acq: 14 Nov 2018 10:31

Tgt Ion: 75 Resp: 3887

Ion Ratio Lower Upper

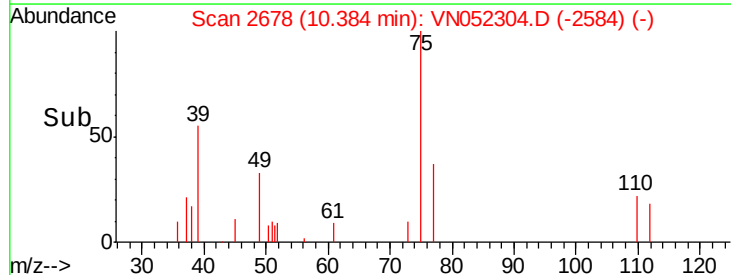
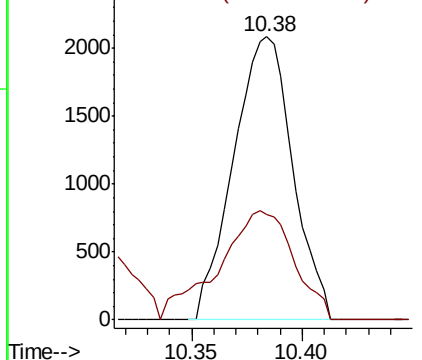
75 100

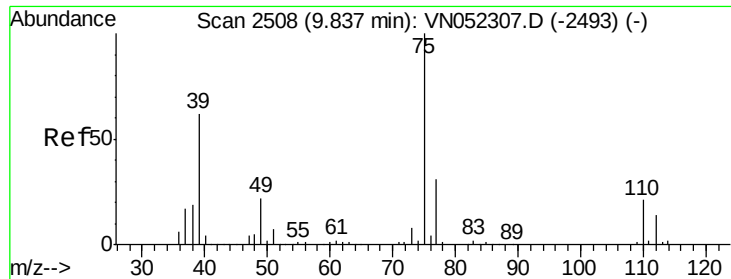
77 37.2 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.831 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

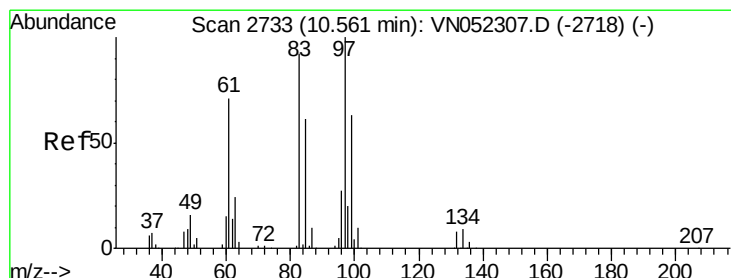
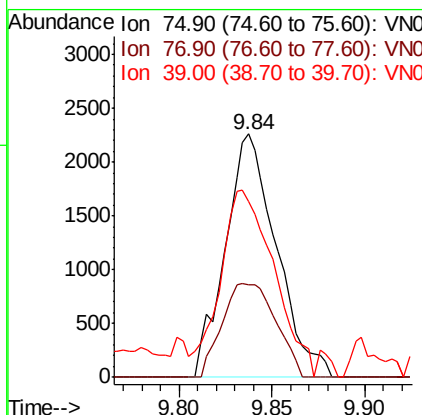
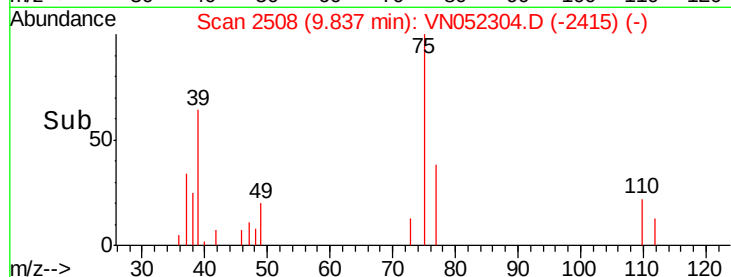
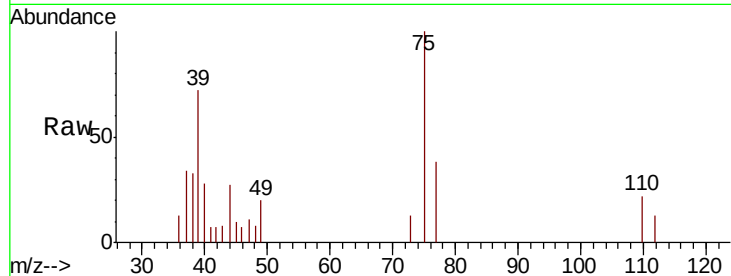
ClientSampleId :

VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 4323  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 37.9  | 24.6  | 36.8# |
| 39       | 72.2  | 49.9  | 74.9  |

Manual Integrations  
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#55

1,1,2-Trichloroethane

Concen: 0.961 ug/l

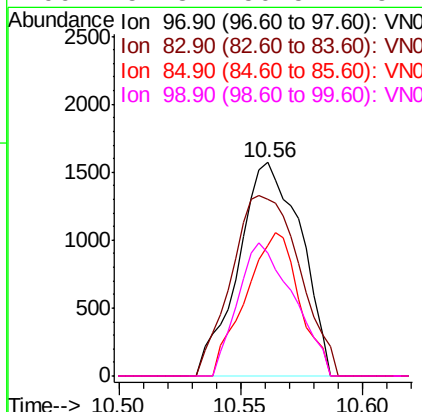
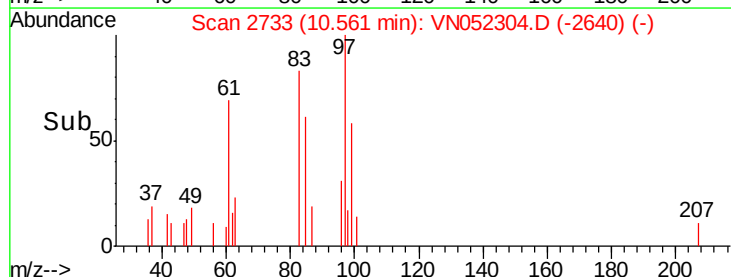
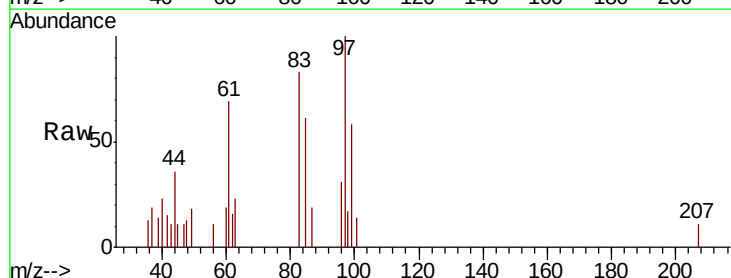
RT: 10.56 min Scan# 2733

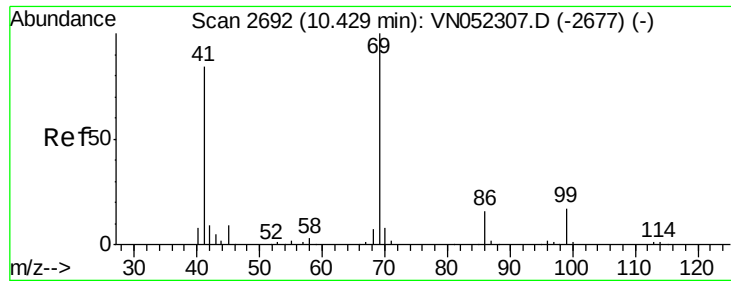
Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 2796  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.9  | 73.8  | 110.6 |
| 85       | 61.4  | 49.0  | 73.4  |
| 99       | 57.8  | 50.5  | 75.7  |





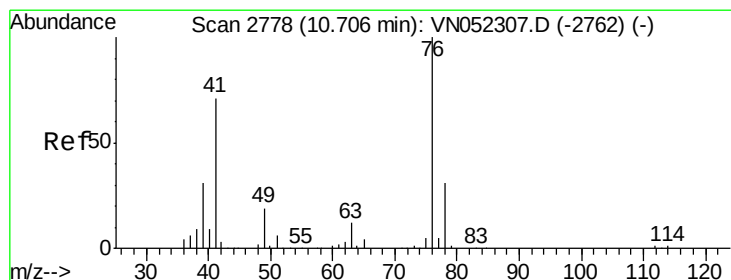
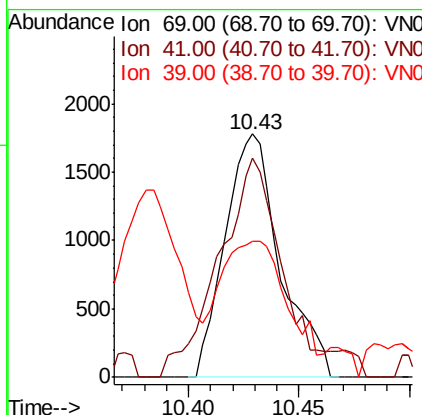
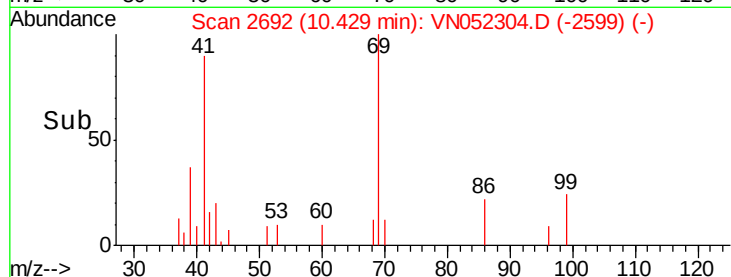
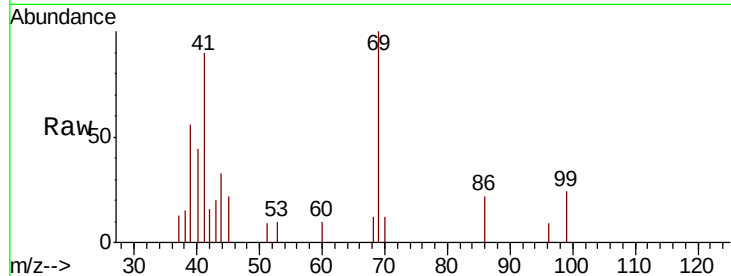
#56  
Ethyl methacrylate  
Concen: 0.804 ug/l  
RT: 10.43 min Scan# 2692  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 107.4 | 64.8  | 97.2# |
| 39      | 51.4  | 41.0  | 61.6  |

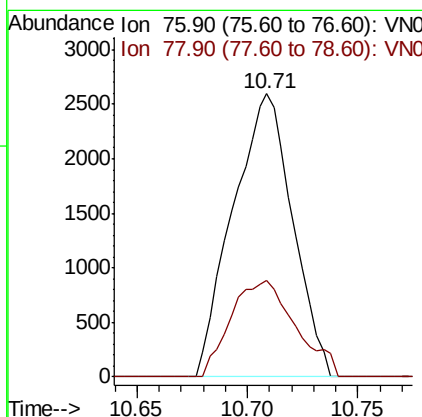
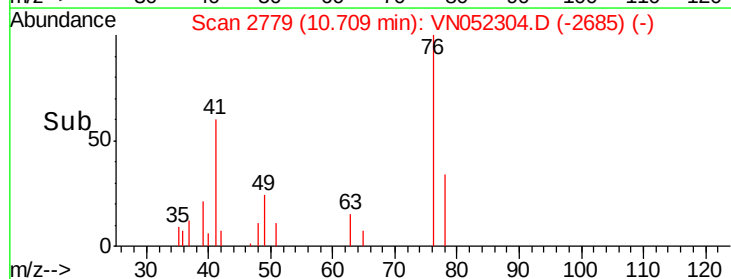
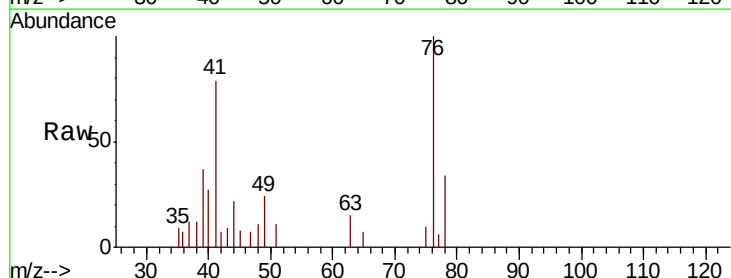
Manual Integrations  
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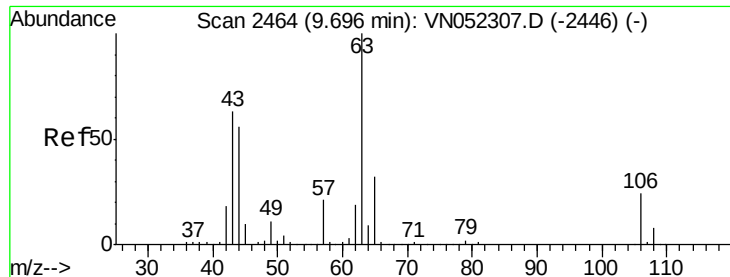
MMDadoda  
11/20/2018 2:58:04 PM



#57  
1,3-Dichloropropane  
Concen: 0.942 ug/l  
RT: 10.71 min Scan# 2779  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 37.0  | 25.7  | 38.5  |





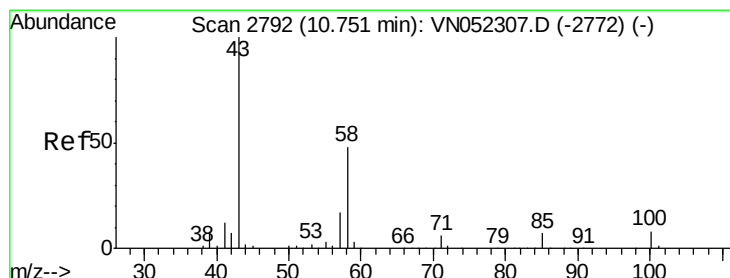
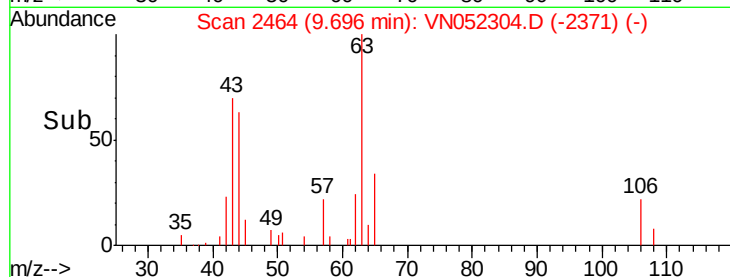
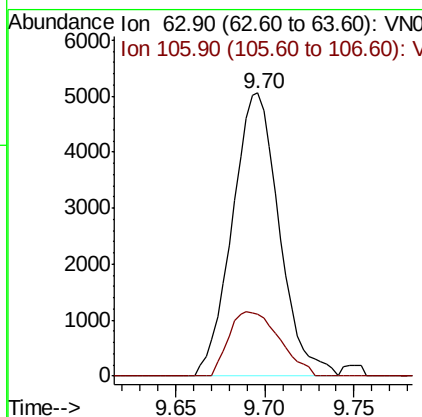
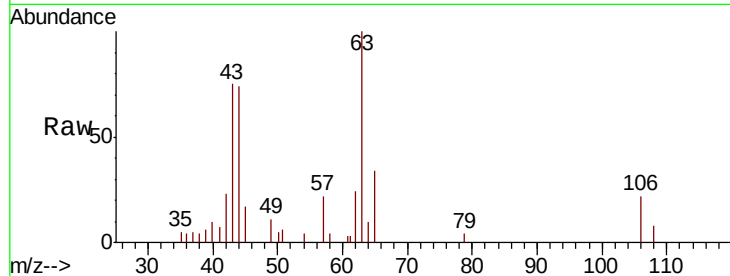
#58  
2-Chloroethyl Vinyl ether  
Concen: 4.246 ug/l  
RT: 9.70 min Scan# 2464  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion: 63 Resp: 9252  
Ion Ratio Lower Upper  
63 100  
106 24.5 19.3 28.9

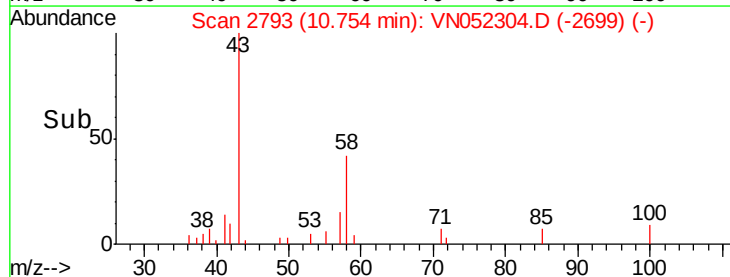
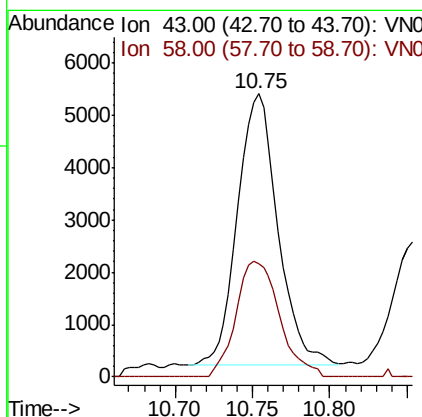
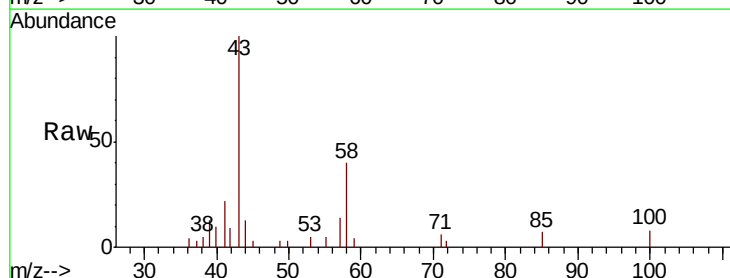
Manual Integrations  
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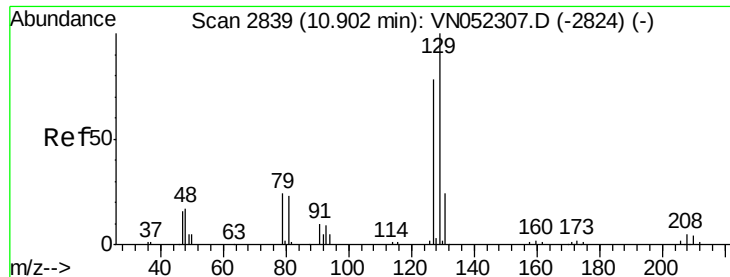


#59  
2-Hexanone  
Concen: 4.150 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion: 43 Resp: 9453  
Ion Ratio Lower Upper  
43 100  
58 45.7 23.5 70.6







#60

Dibromochloromethane

Concen: 0.924 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2909

Ion Ratio Lower Upper

129 100

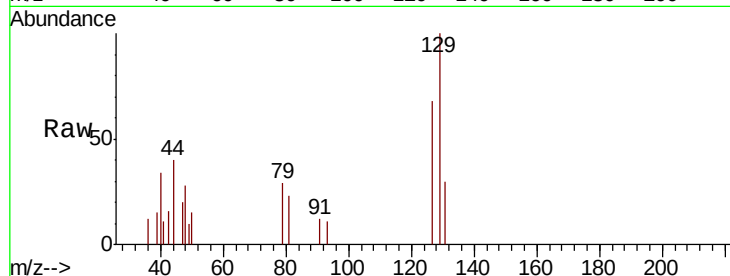
127 70.8 38.5 115.5

Manual Integrations

APPROVED

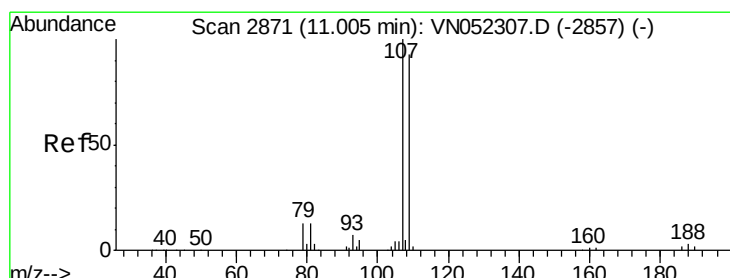
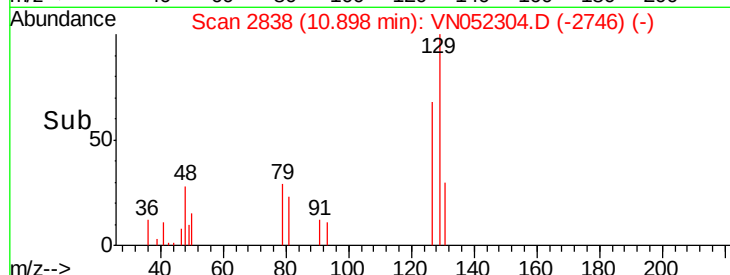
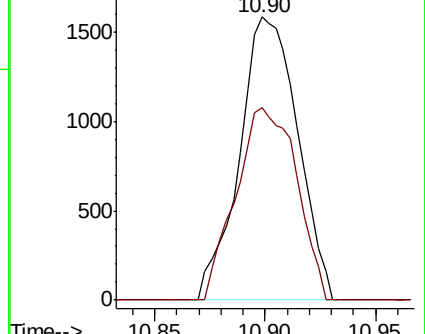
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.901 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052304.D

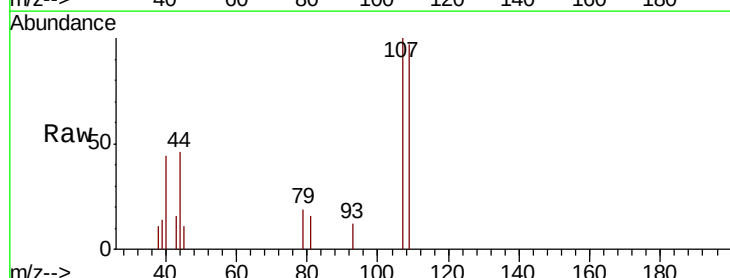
Acq: 14 Nov 2018 10:31

Tgt Ion:107 Resp: 2611

Ion Ratio Lower Upper

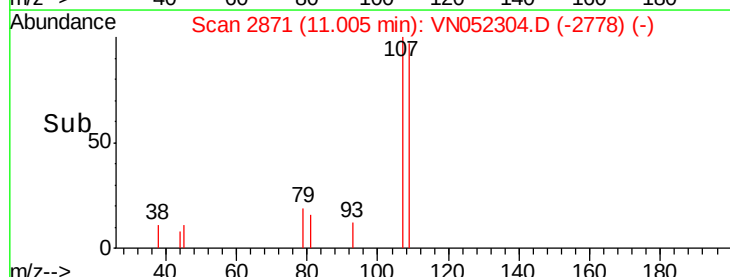
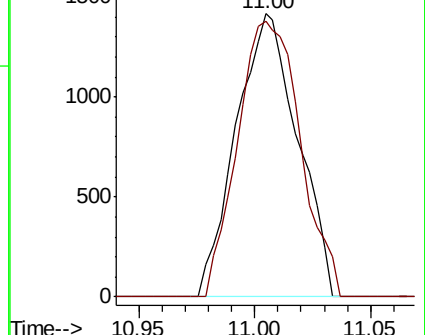
107 100

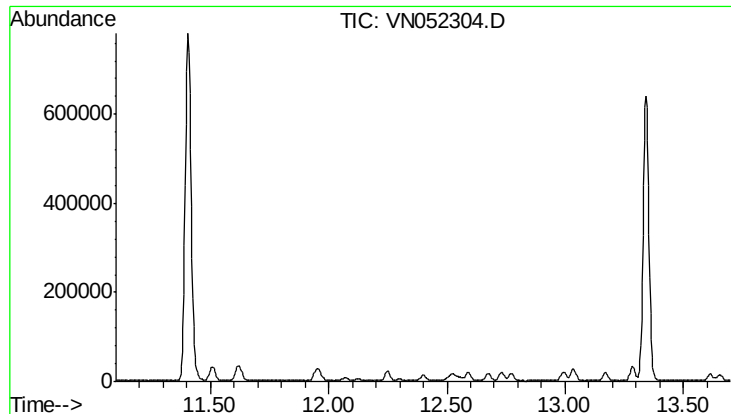
109 99.3 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.901 ug/l

Expected RT: 12.40 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Tot Ion: 95

Sig Exp Ratio

95 100

174 78.0

176 74.2

Instrument :

MSVOA\_N

ClientSampleId :

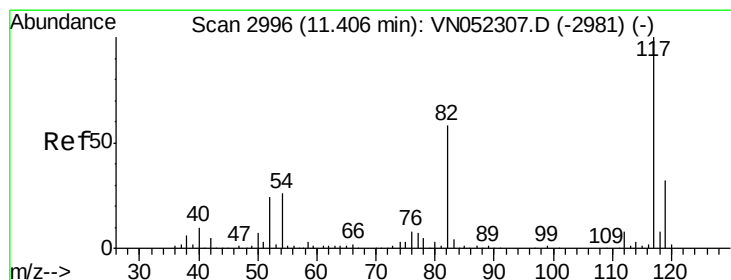
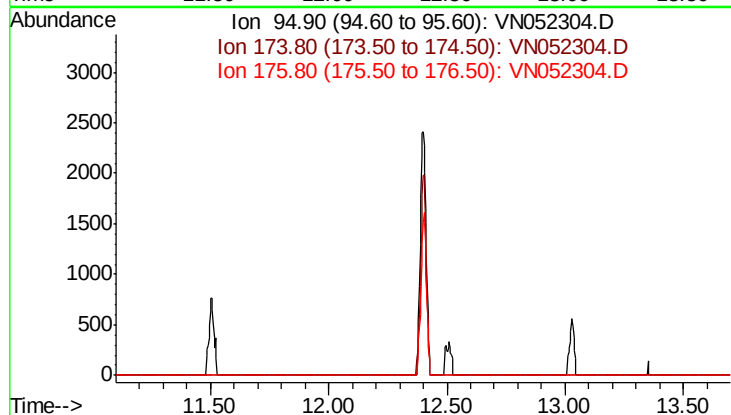
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

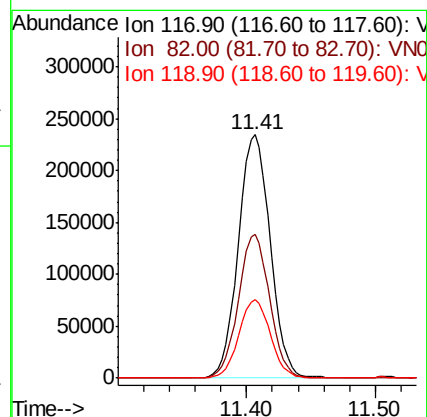
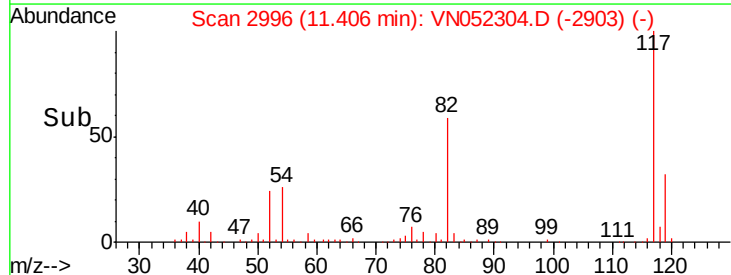
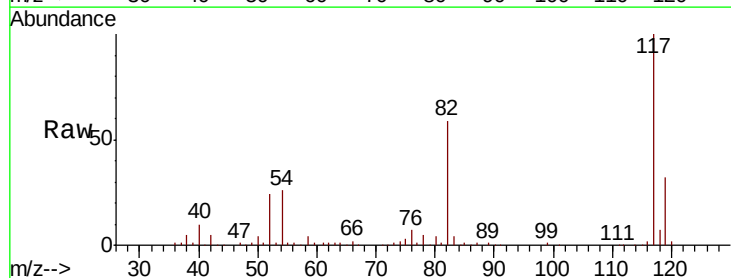
Tgt Ion:117 Resp: 404273

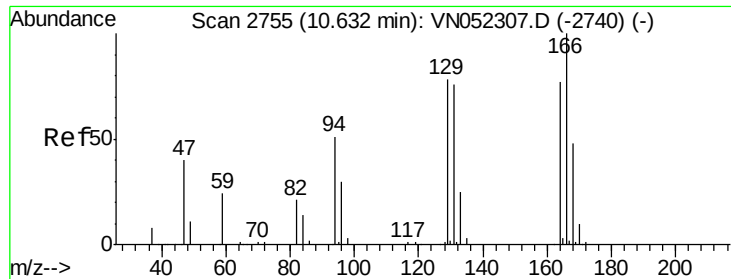
Ion Ratio Lower Upper

117 100

82 59.0 46.5 69.7

119 32.0 25.7 38.5





#64

Tetrachloroethene

Concen: 1.079 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

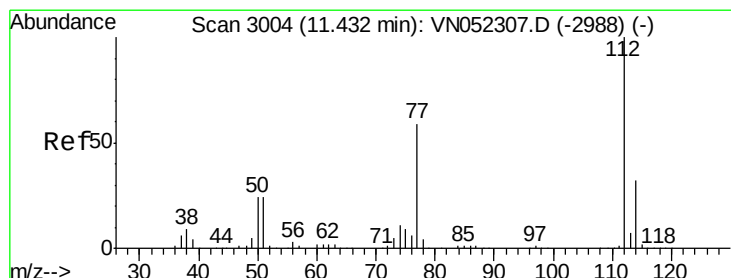
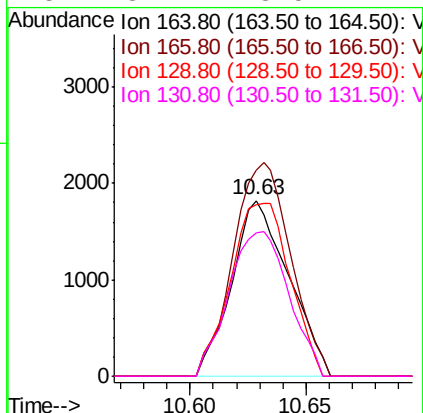
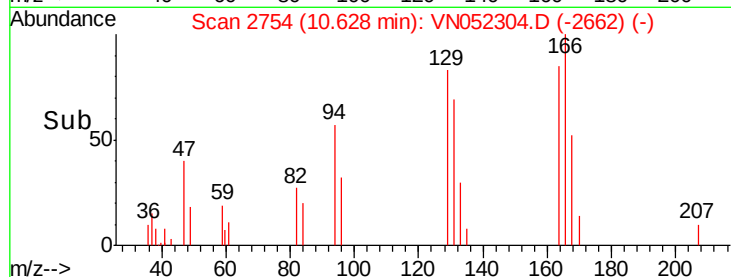
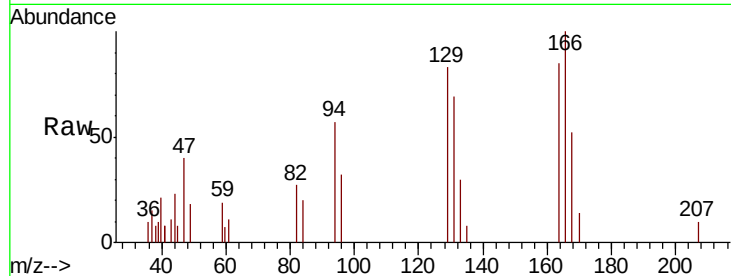
ClientSampleId :

VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 3102  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 117.3 | 103.8 | 155.6 |
| 129      | 97.8  | 80.7  | 121.1 |
| 131      | 81.4  | 78.5  | 117.7 |

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#65

Chlorobenzene

Concen: 1.044 ug/l

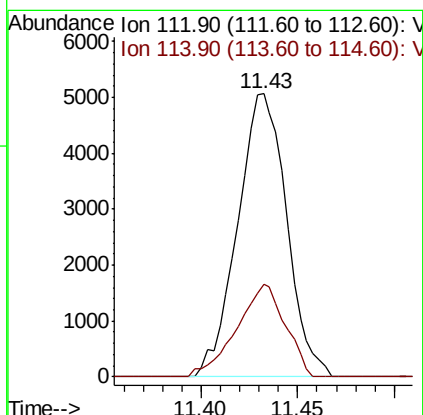
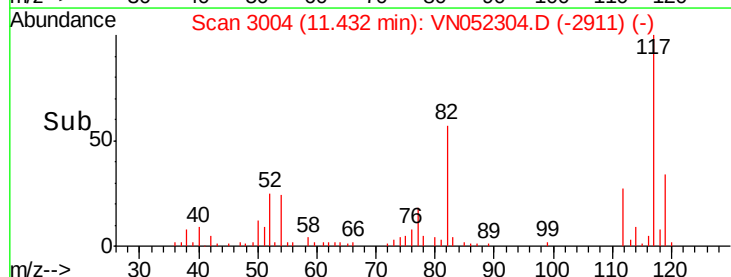
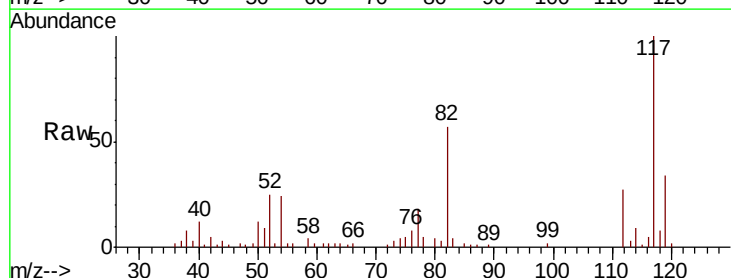
RT: 11.43 min Scan# 3004

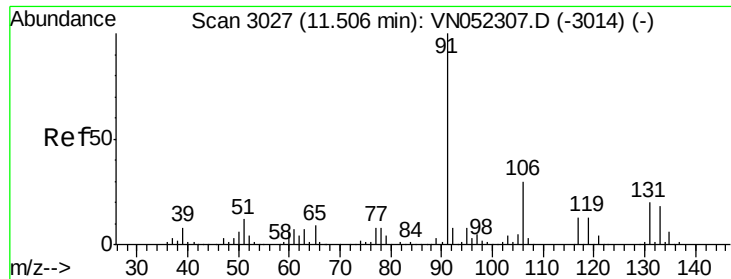
Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 8925  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 32.7  | 25.9  | 38.9  |





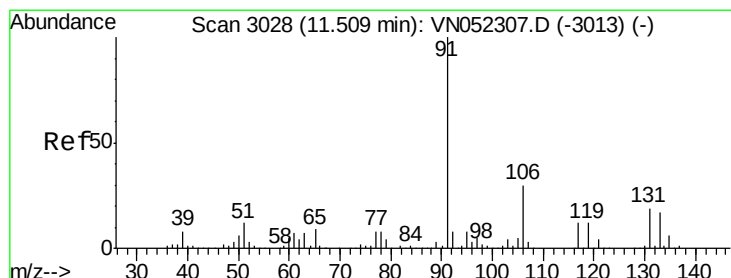
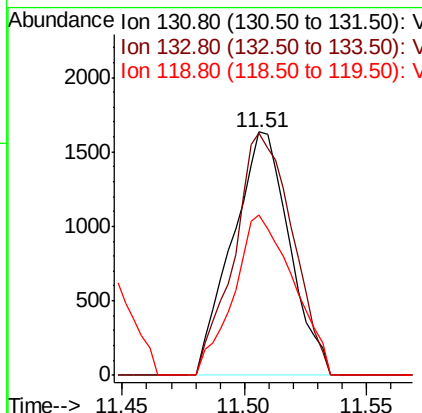
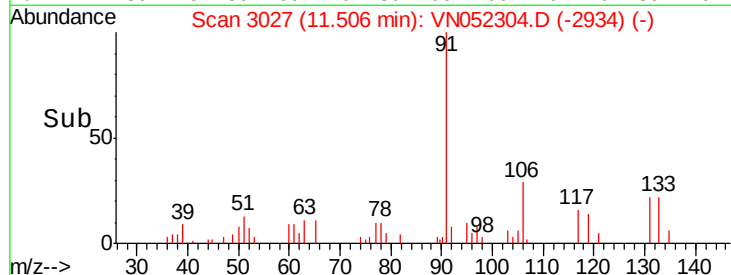
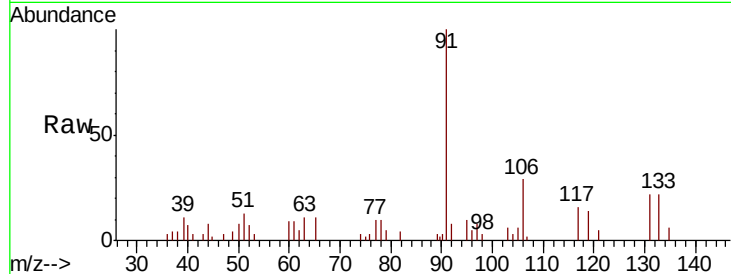
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 0.909 ug/l  
 RT: 11.51 min Scan# 3027  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 101.5 | 47.4  | 142.3 |
| 119     | 0.0   | 33.3  | 99.9# |

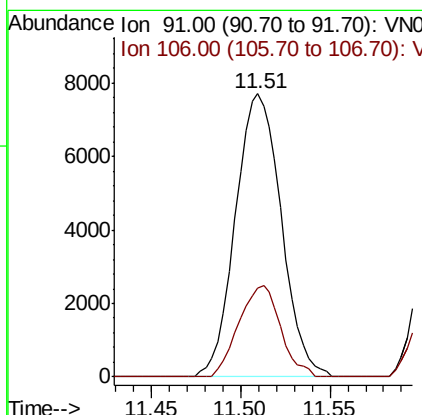
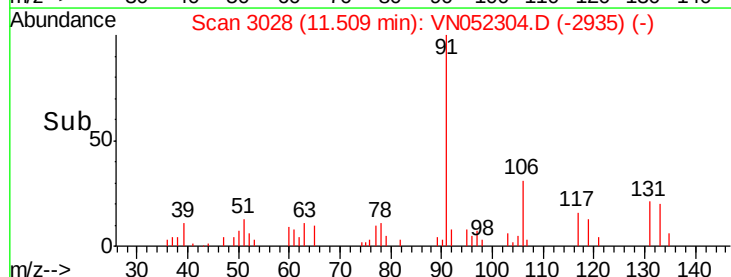
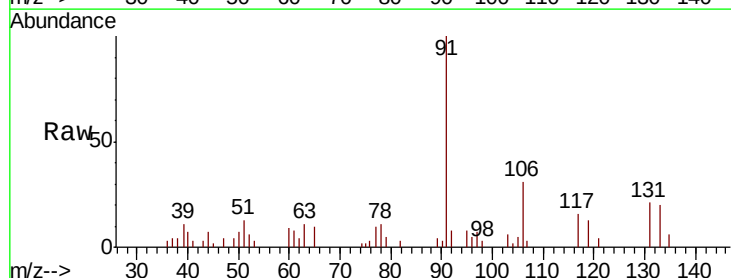
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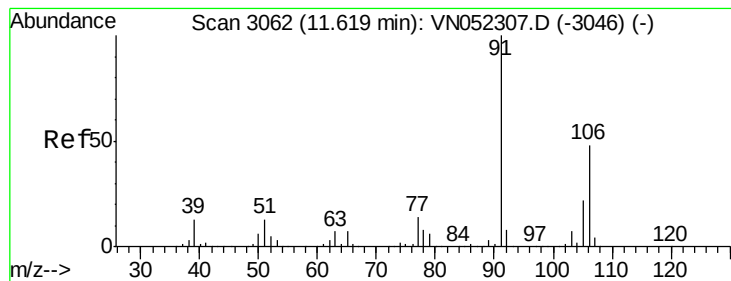
MMDadoda  
 11/20/2018 2:58:04 PM



#67  
 Ethyl Benzene  
 Concen: 0.932 ug/l  
 RT: 11.51 min Scan# 3028  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 31.4  | 24.2  | 36.2  |





#68

m/p-Xylenes

Concen: 1.802 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 9763

Ion Ratio Lower Upper

106 100

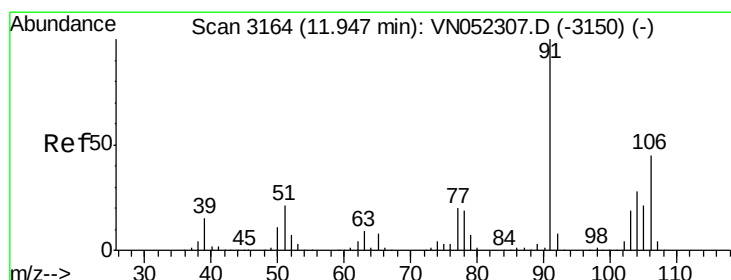
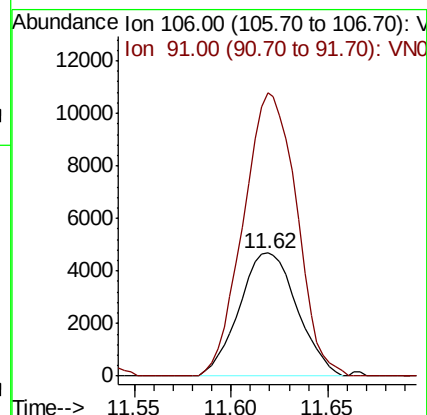
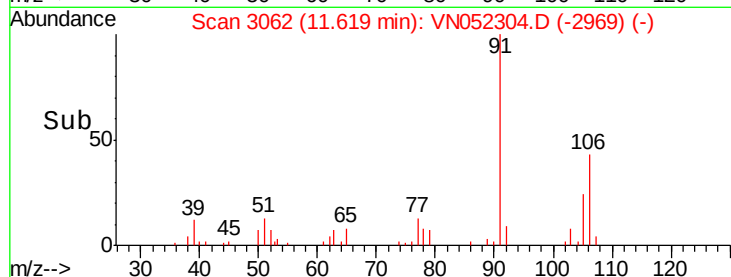
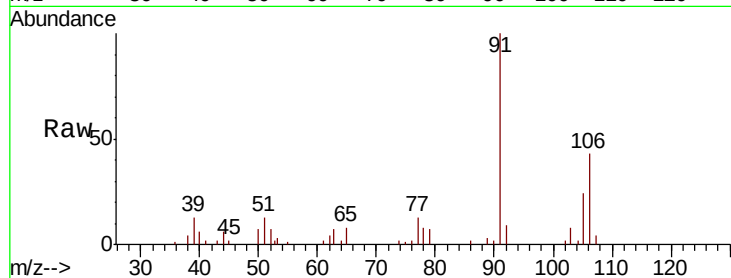
91 211.1 165.5 248.3

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#69

o-Xylene

Concen: 0.809 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN052304.D

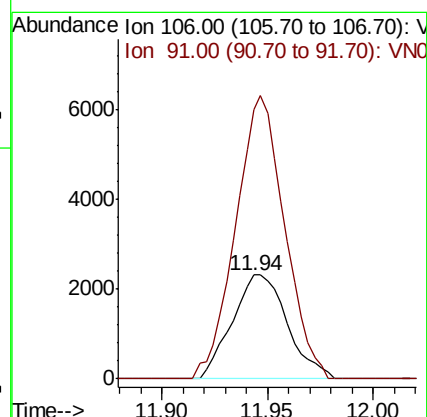
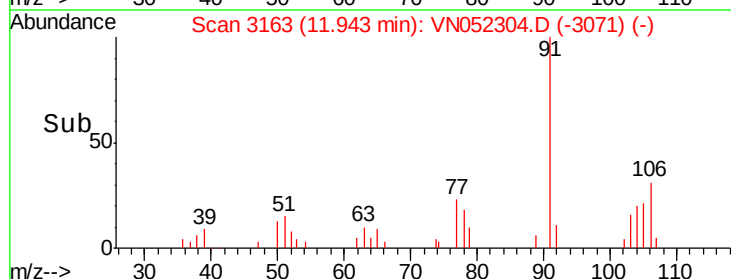
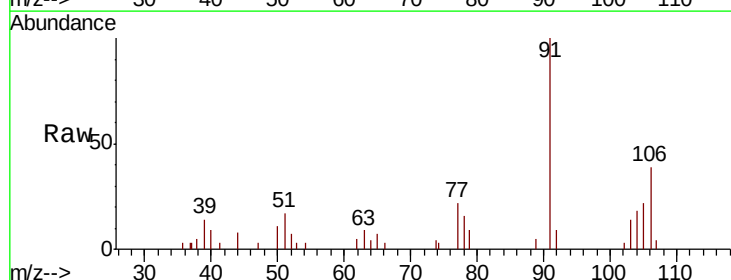
Acq: 14 Nov 2018 10:31

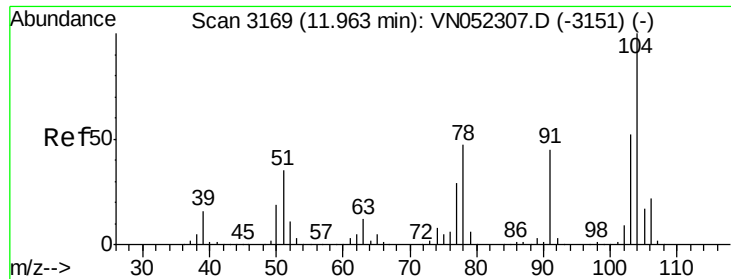
Tgt Ion:106 Resp: 4202

Ion Ratio Lower Upper

106 100

91 240.9 110.0 330.0





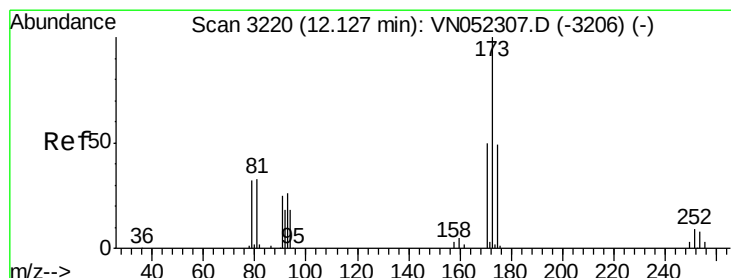
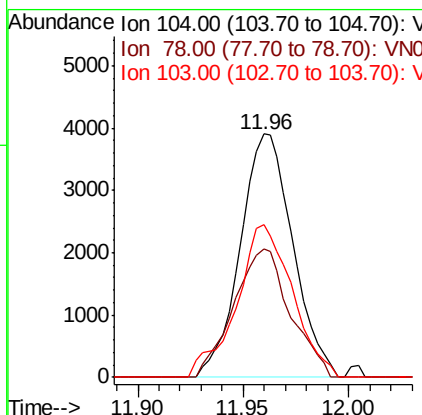
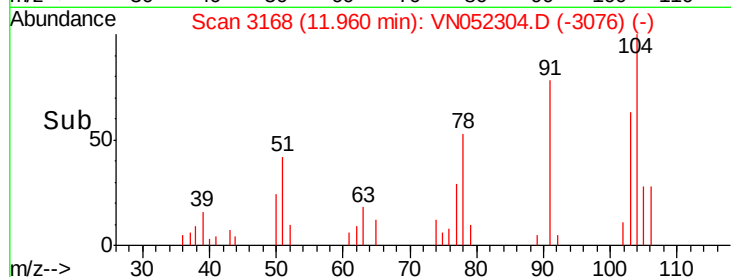
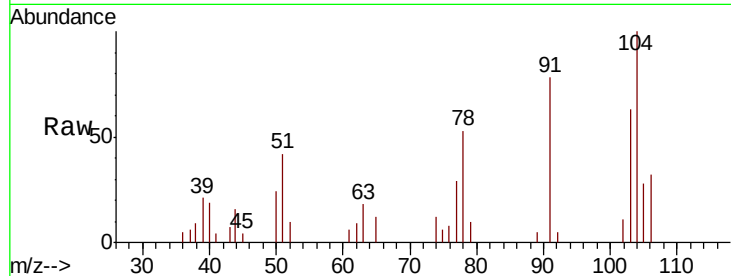
#70  
Stvrene  
Concen: 0.815 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. -0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion:104 Resp: 6775  
Ion Ratio Lower Upper  
104 100  
78 56.7 42.7 64.1  
103 66.5 45.4 68.0

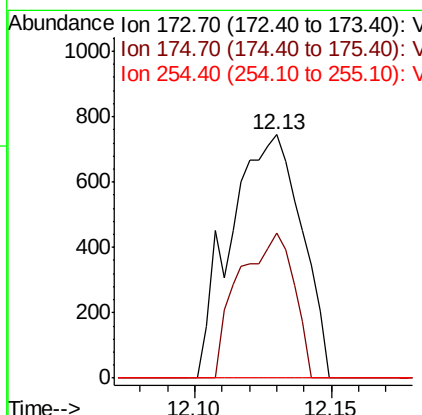
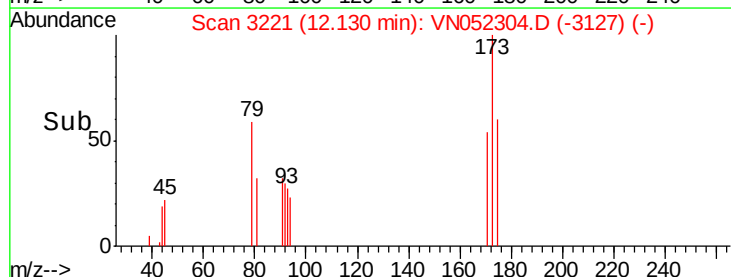
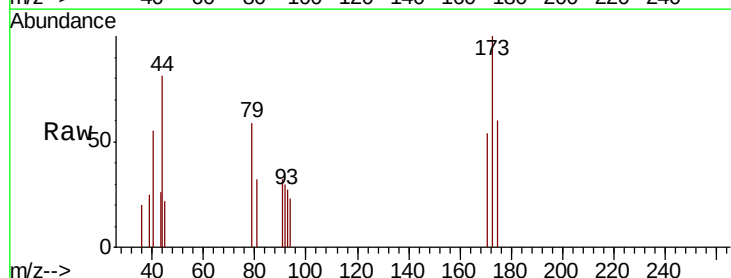
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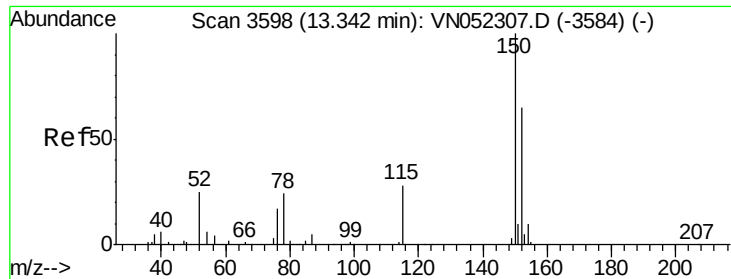
MMDadoda  
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#71  
Bromoform  
Concen: 0.782 ug/l  
RT: 12.13 min Scan# 3221  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion:173 Resp: 1345  
Ion Ratio Lower Upper  
173 100  
175 46.4 25.0 75.0  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

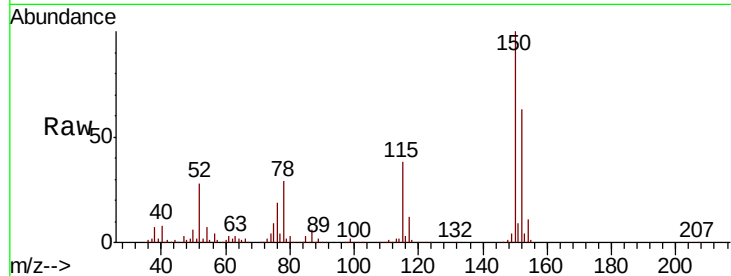
ClientSampleId :

VSTDIC001

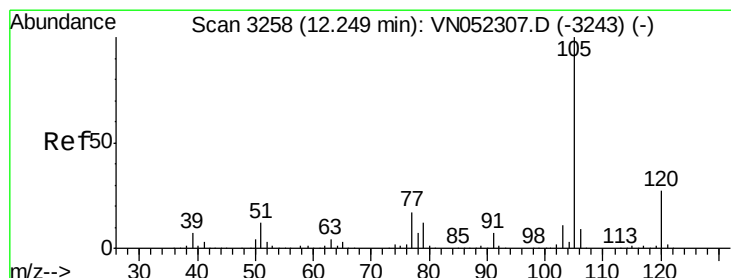
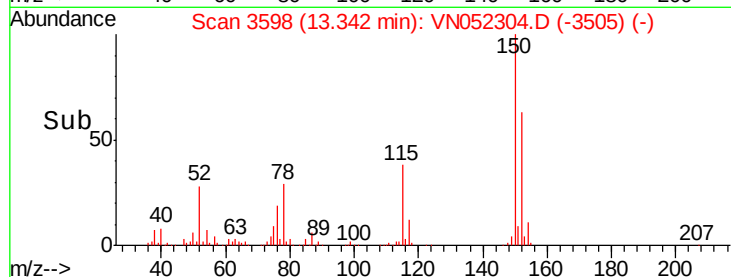
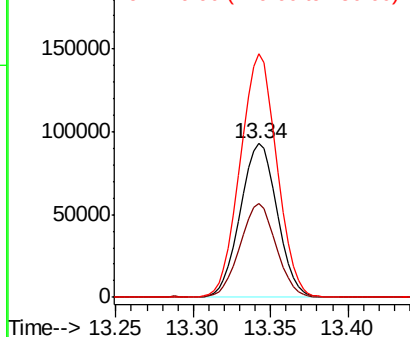
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 152   | Resp: | 154700 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 59.7  | 30.3  | 91.0   |
| 150      | 157.1 | 0.0   | 348.2  |

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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: 0.991 ug/l

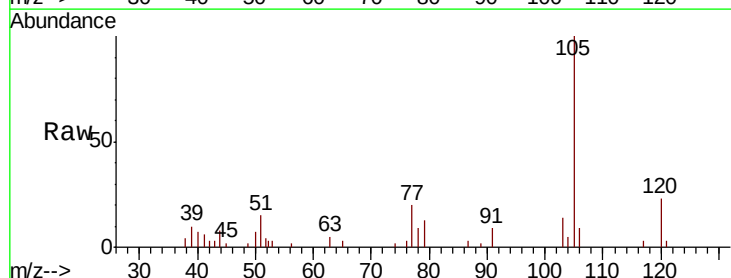
RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

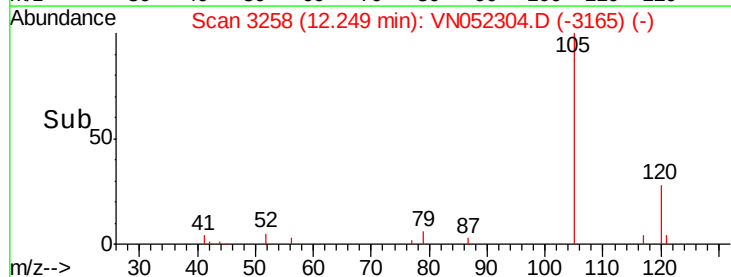
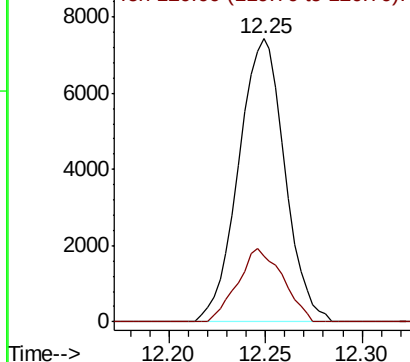
Lab File: VN052304.D

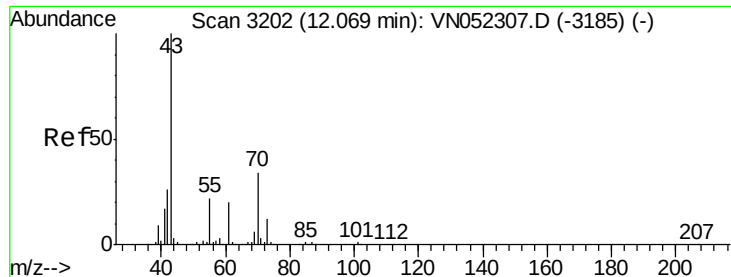
Acq: 14 Nov 2018 10:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 12332 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 25.3  | 13.4  | 40.1  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.807 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

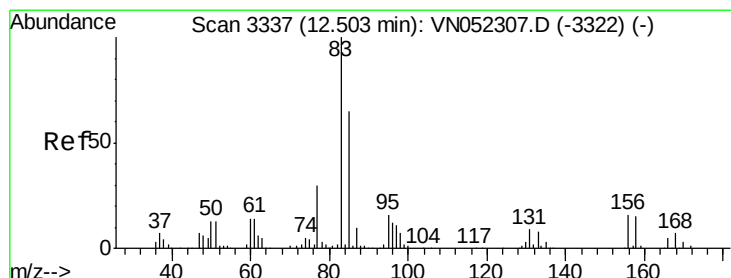
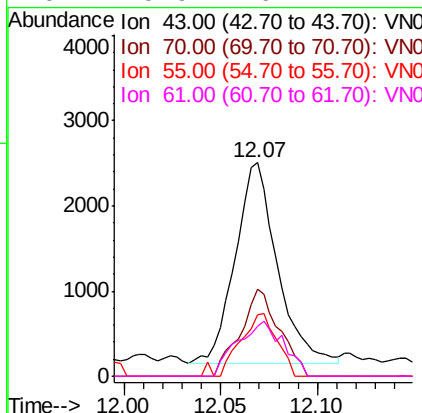
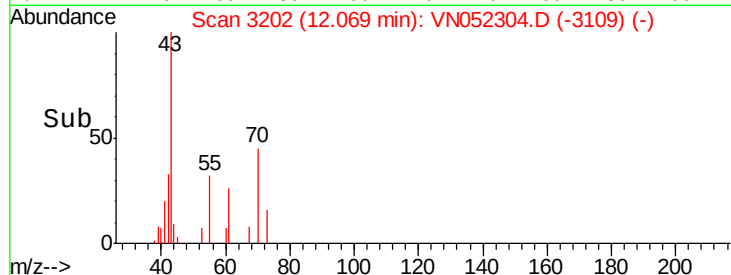
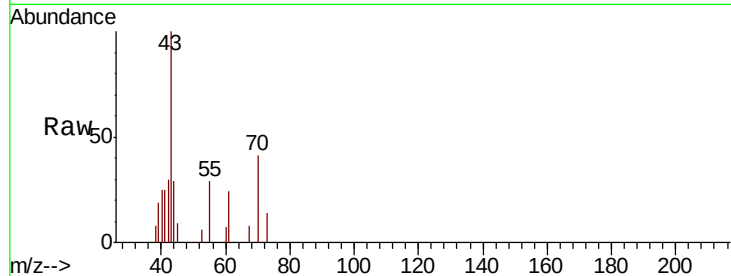
ClientSampleId :

VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 3573  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 70       | 40.0  | 27.1  | 40.7  |
| 55       | 26.6  | 17.4  | 26.0# |
| 61       | 29.9  | 16.1  | 24.1# |

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#75

1,1,2,2-Tetrachloroethane

Concen: 0.996 ug/l

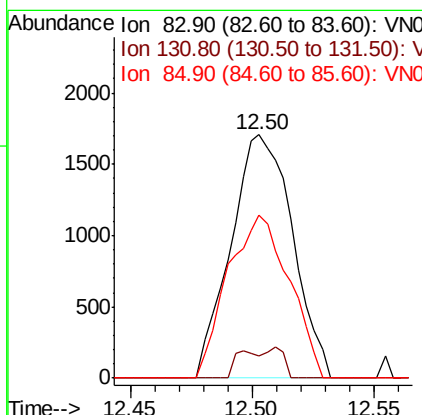
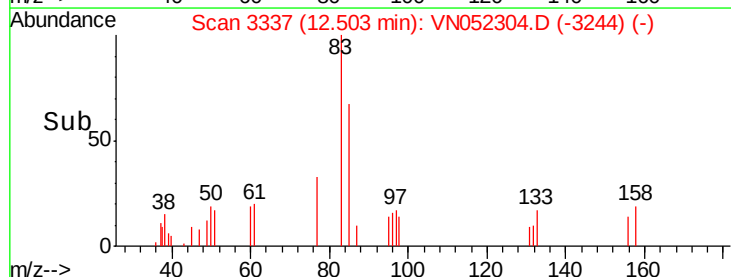
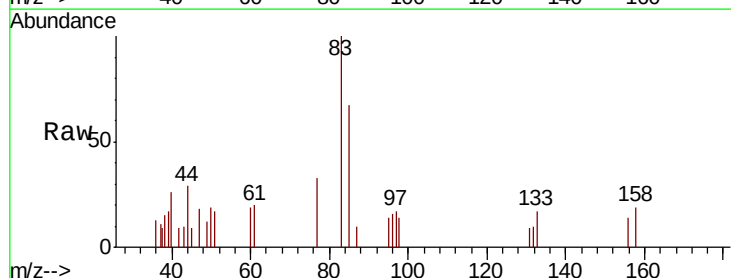
RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

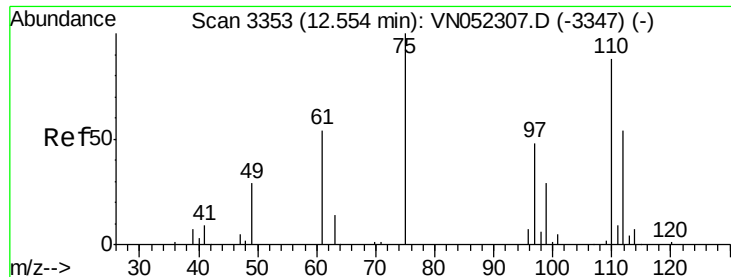
Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2994  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 3.8   | 4.7   | 14.1# |
| 85       | 66.8  | 32.4  | 97.2  |







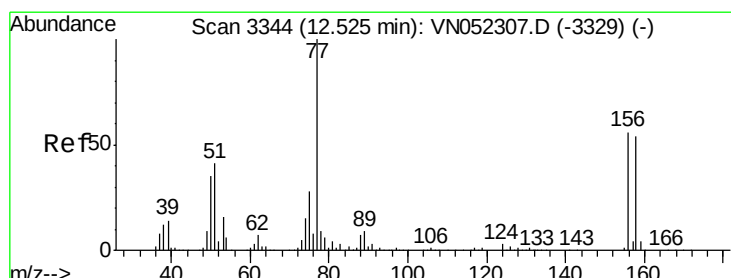
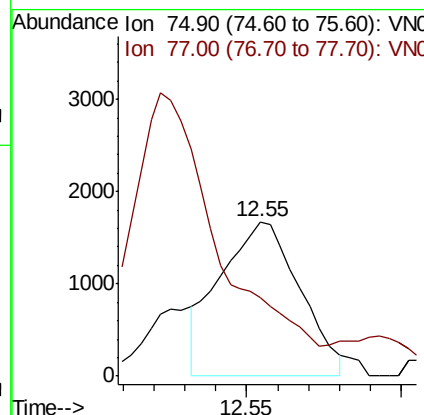
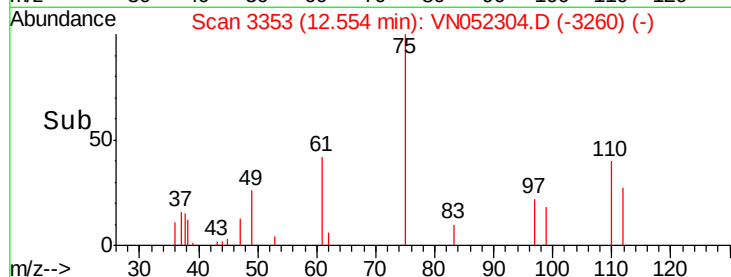
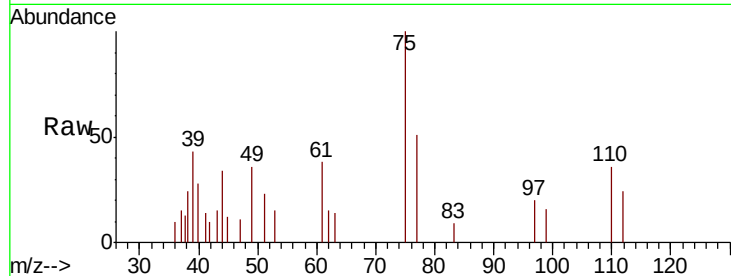
#76  
 1,2,3-Trichloropropane  
 Concen: 1.238 ug/l m  
 RT: 12.55 min Scan# 3353  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.0   | 0.0   | 0.0   |

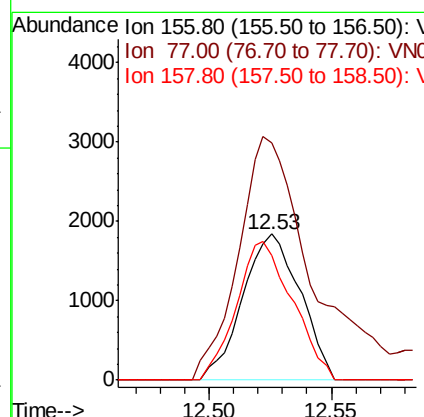
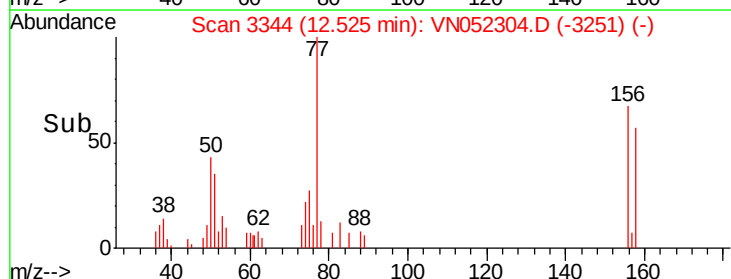
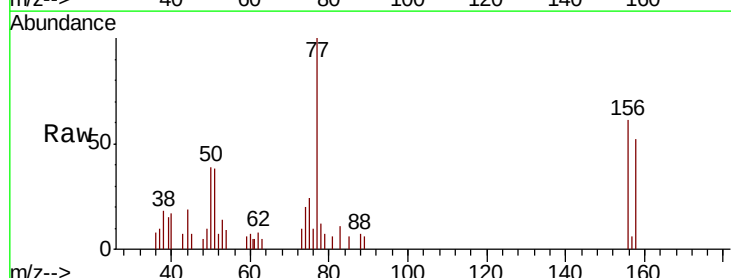
Manual Integrations  
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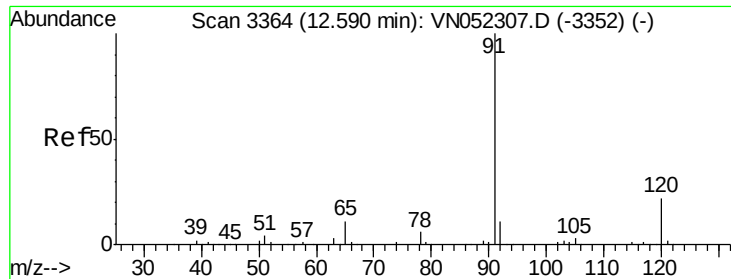
MMDadoda  
 11/20/2018 2:58:04 PM



#77  
 Bromobenzene  
 Concen: 1.040 ug/l  
 RT: 12.53 min Scan# 3344  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 214.2 | 103.6 | 310.9 |
| 158     | 92.1  | 48.1  | 144.4 |





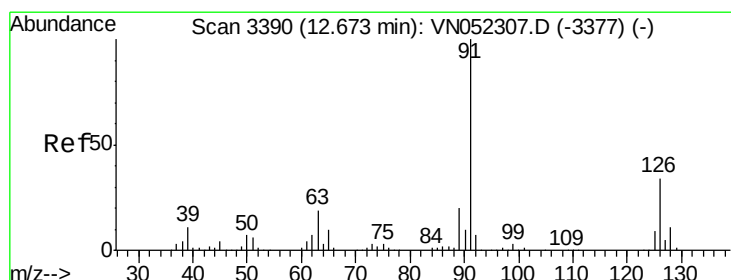
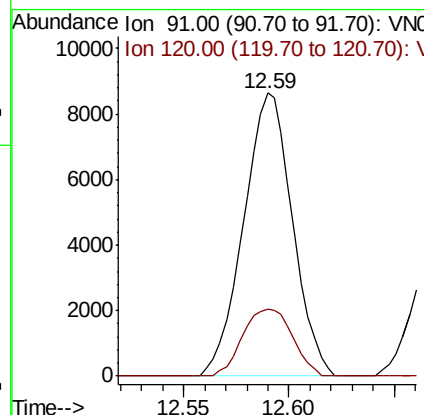
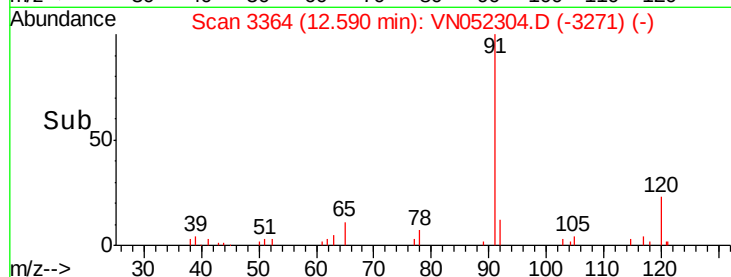
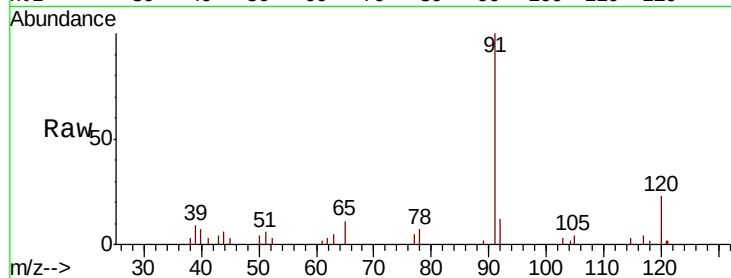
#78  
n-propylbenzene  
Concen: 0.954 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion: 91 Resp: 13878  
Ion Ratio Lower Upper  
91 100  
120 24.2 11.1 33.1

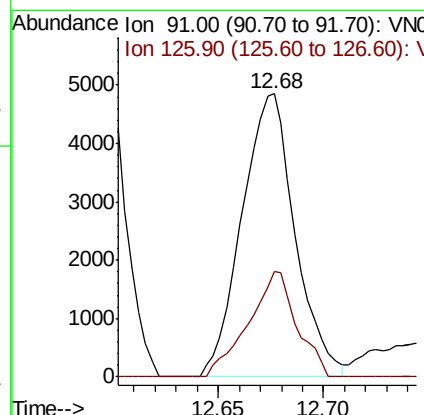
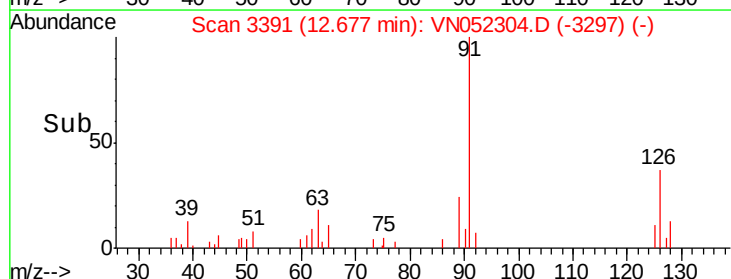
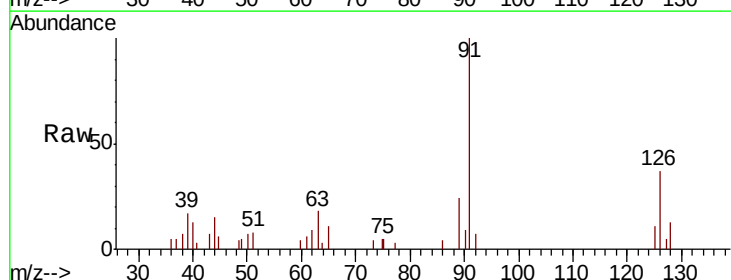
Manual Integrations  
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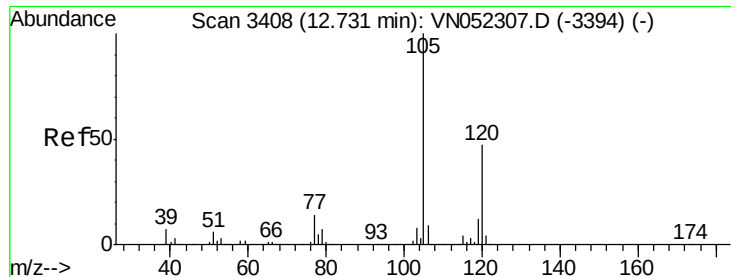
MMDadoda  
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#79  
2-Chlorotoluene  
Concen: 0.998 ug/l  
RT: 12.68 min Scan# 3391  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion: 91 Resp: 8482  
Ion Ratio Lower Upper  
91 100  
126 33.8 17.0 51.0





#80

1,3,5-Trimethylbenzene

Concen: 0.902 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 8918

Ion Ratio Lower Upper

105 100

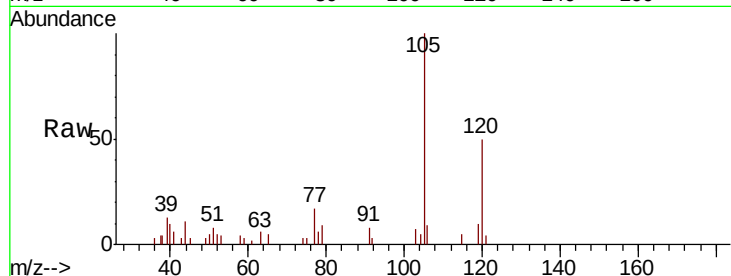
120 52.6 23.7 71.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

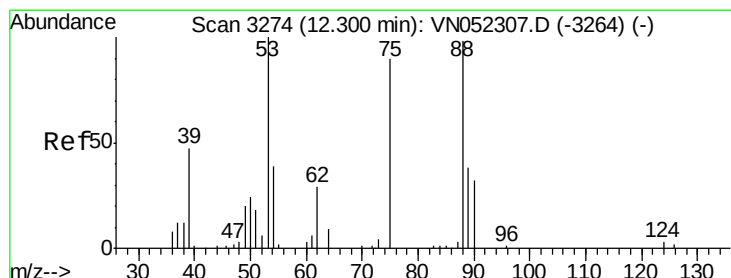
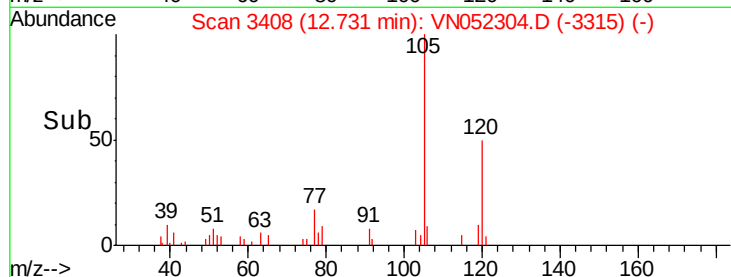
6000

4000

2000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 0.849 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

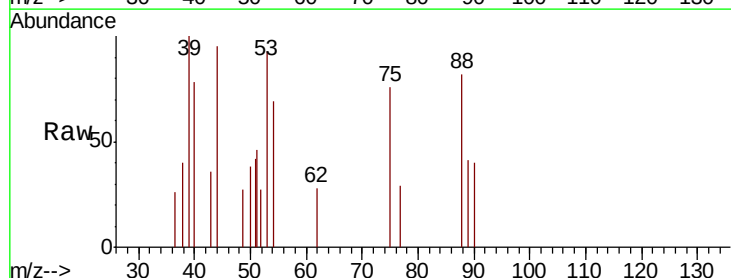
Tgt Ion: 75 Resp: 687

Ion Ratio Lower Upper

75 100

53 159.8 90.2 135.2#

89 22.9 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.30

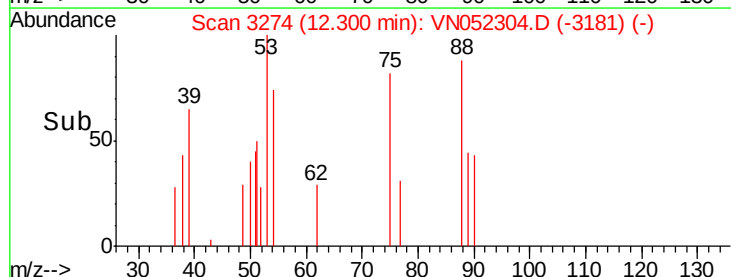
600

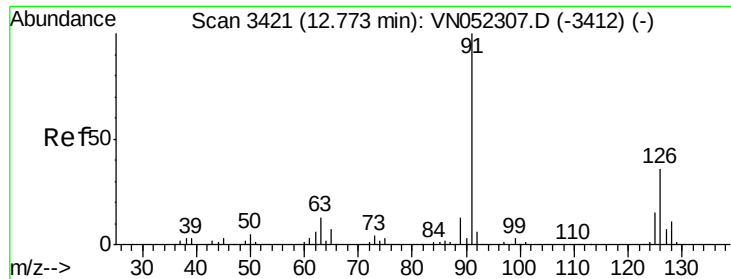
400

200

0

Time-->





#82

4-Chlorotoluene

Concen: 1.059 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 9219

Ion Ratio Lower Upper

91 100

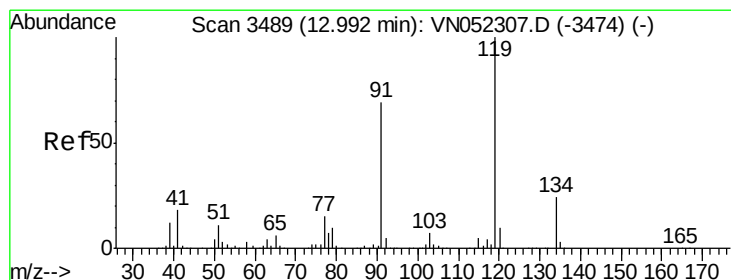
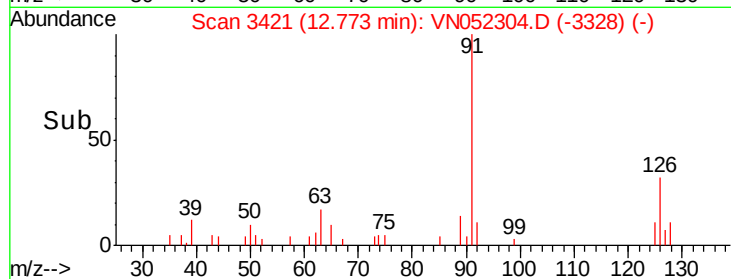
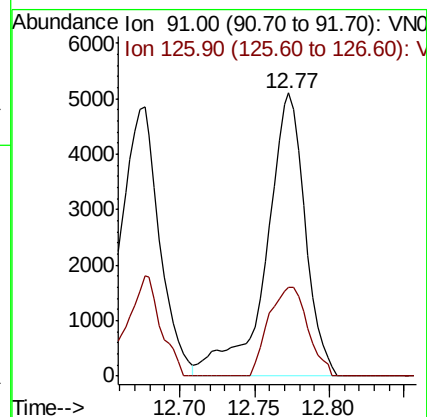
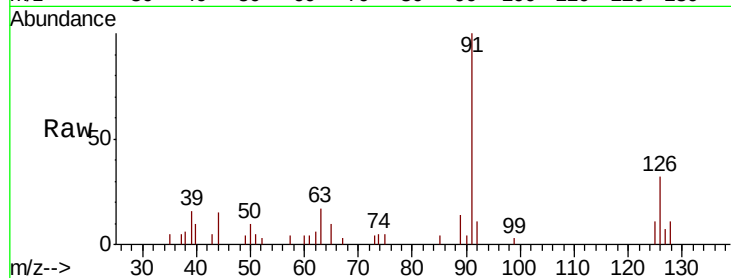
126 31.6 17.0 50.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 1.023 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

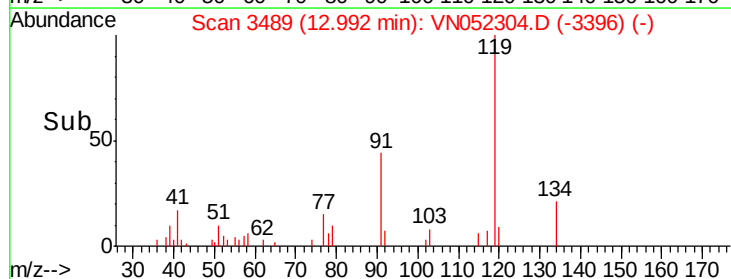
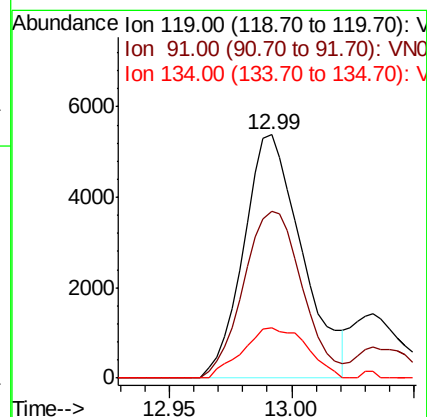
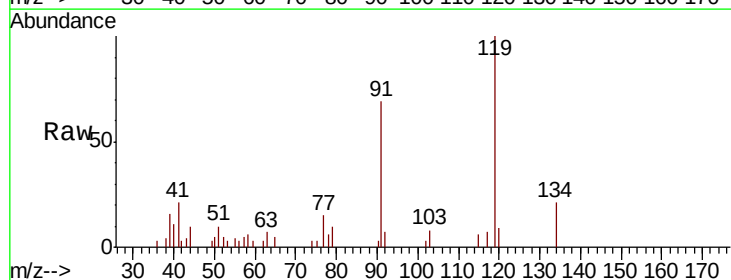
Tgt Ion: 119 Resp: 8933

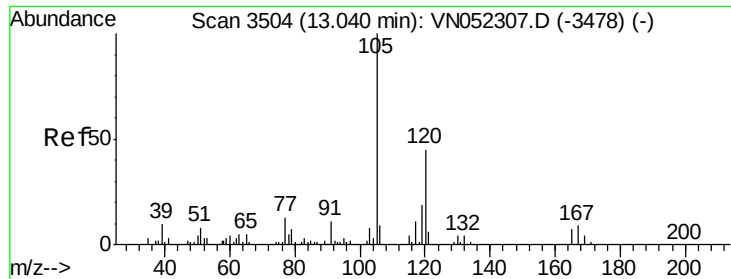
Ion Ratio Lower Upper

119 100

91 69.1 33.8 101.3

134 22.6 11.9 35.9





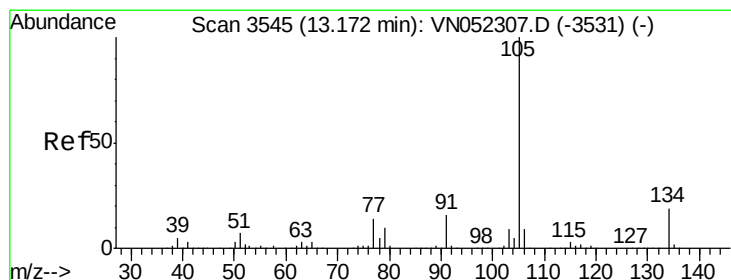
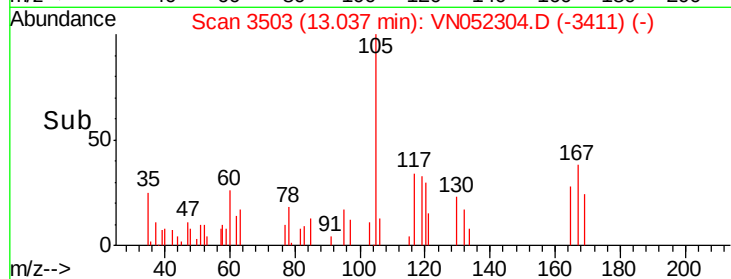
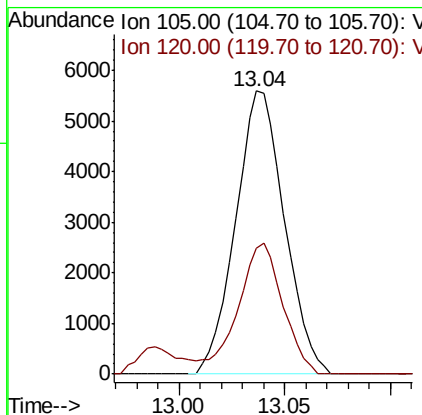
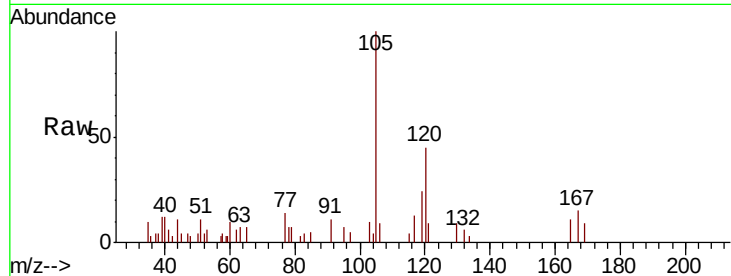
#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.906 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. -0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 42.6  | 22.5  | 67.5  |

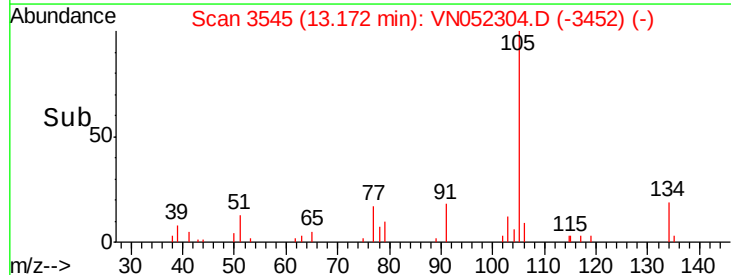
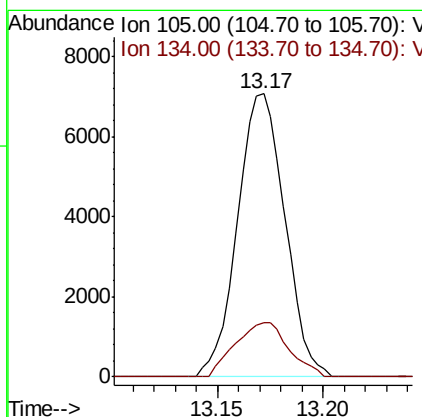
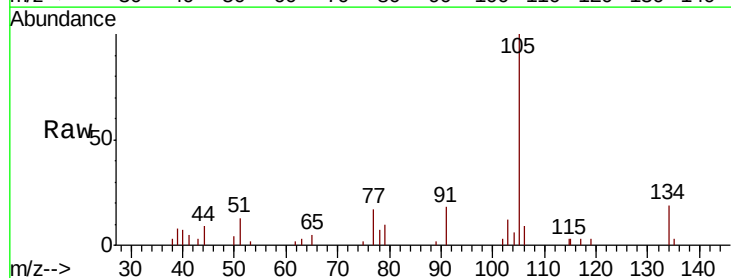
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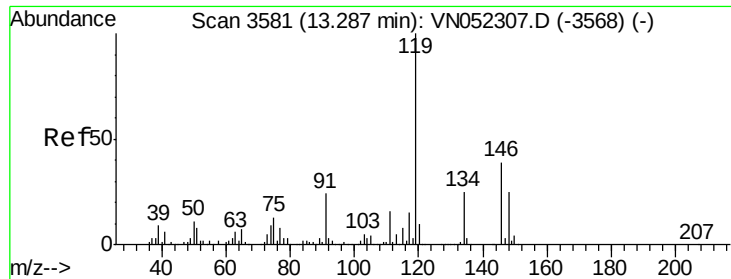
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#85  
 sec-Butylbenzene  
 Concen: 0.926 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.8  | 9.5   | 28.5  |





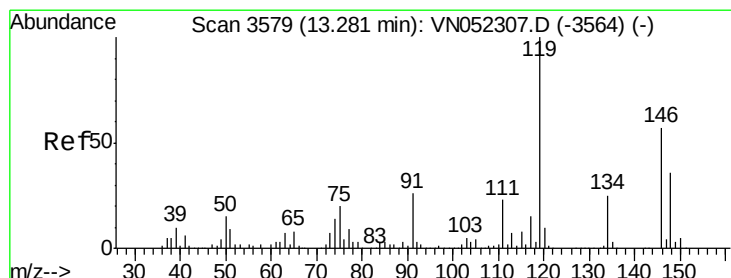
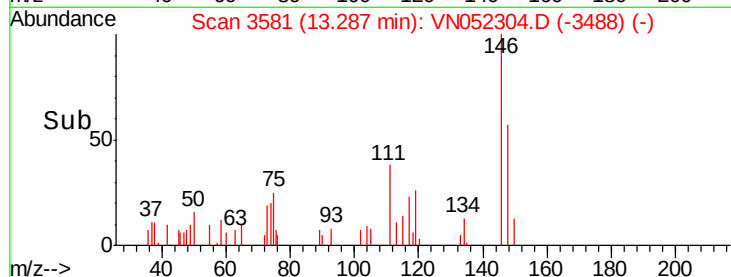
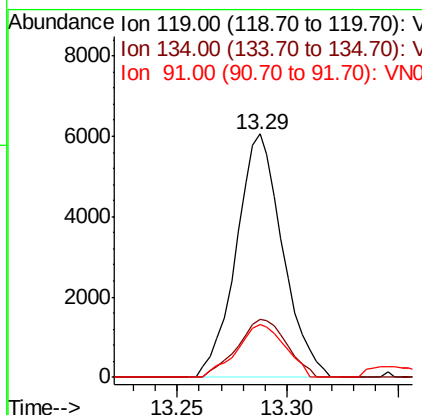
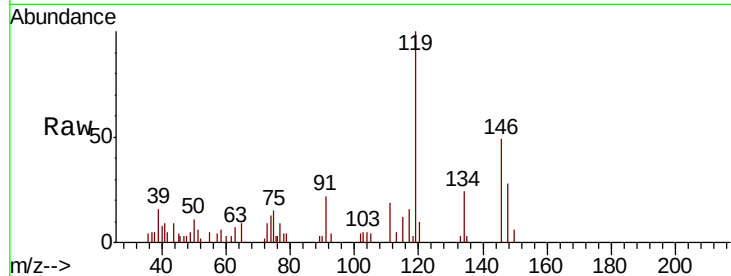
#86  
 p-Isopropyltoluene  
 Concen: 0.878 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.4  | 13.0  | 38.9  |
| 91      | 22.5  | 12.4  | 37.0  |

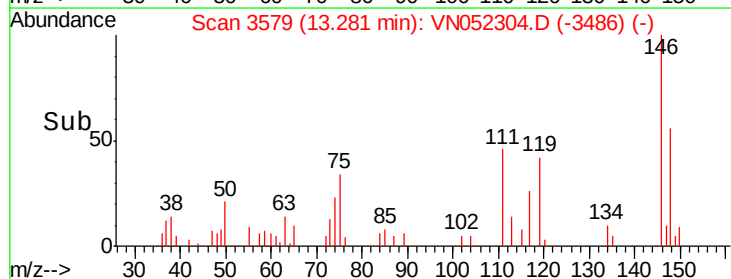
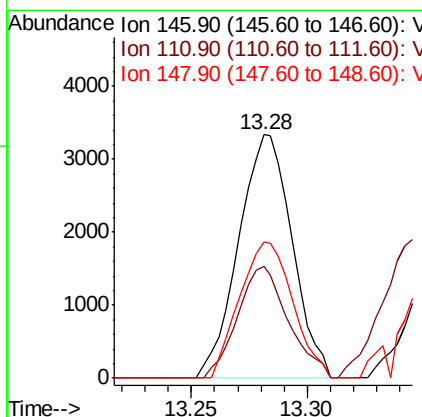
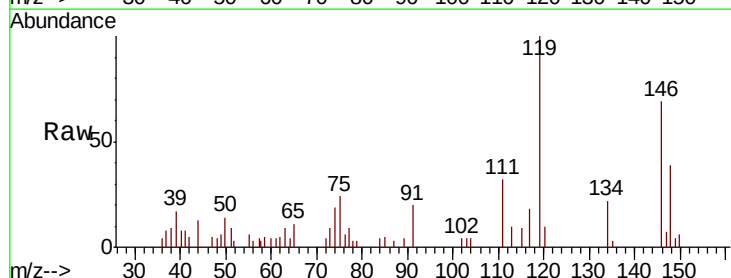
Manual Integrations  
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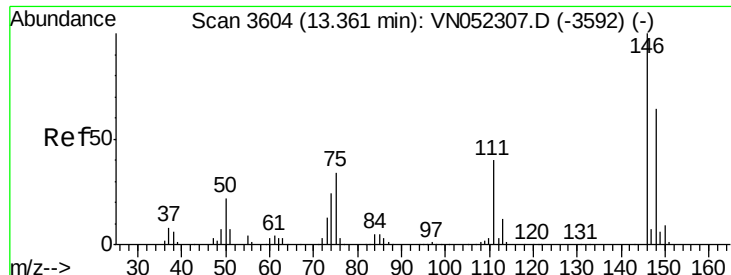
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#87  
 1,3-Dichlorobenzene  
 Concen: 1.040 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.7  | 20.3  | 61.0  |
| 148     | 55.8  | 31.8  | 95.4  |





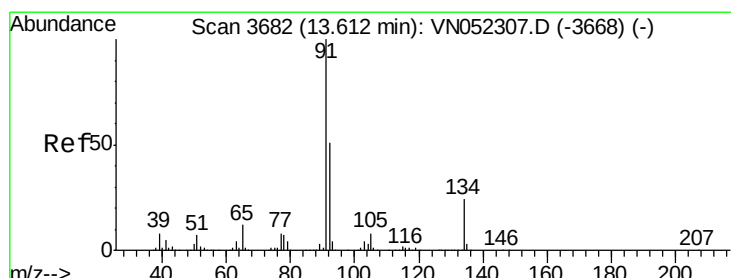
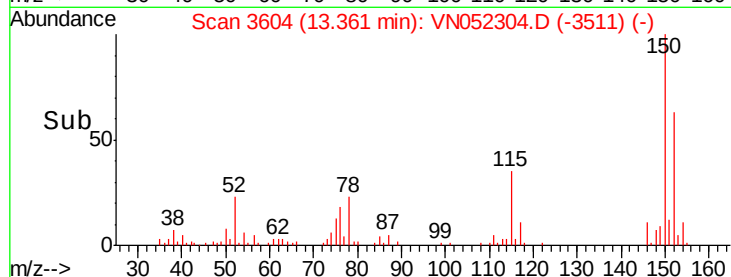
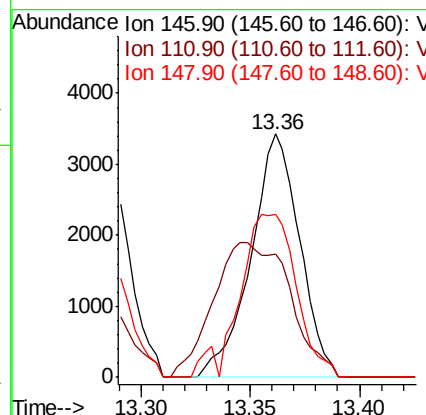
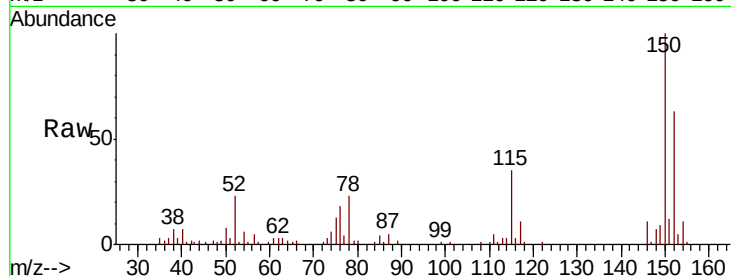
#88  
 1,4-Dichlorobenzene  
 Concen: 1.034 ug/l m  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.2  | 20.6  | 61.8  |
| 148     | 56.4  | 32.4  | 97.2  |

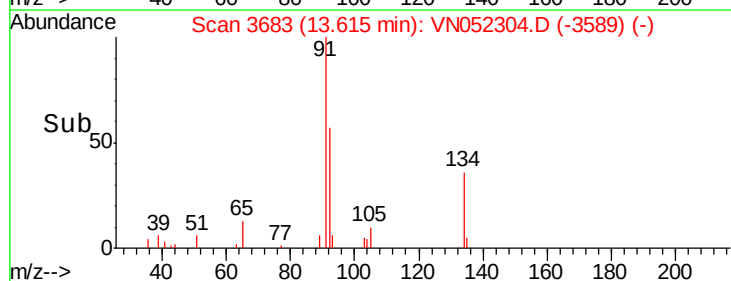
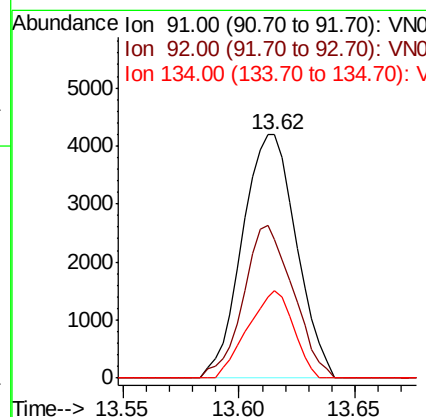
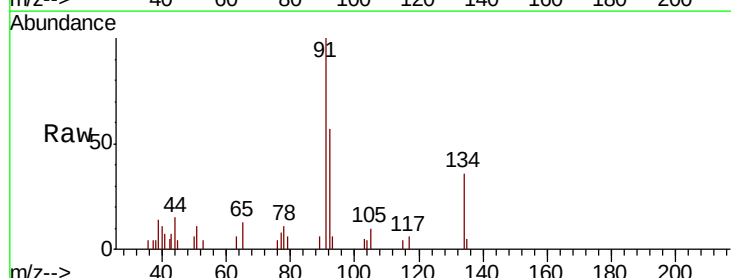
Manual Integrations  
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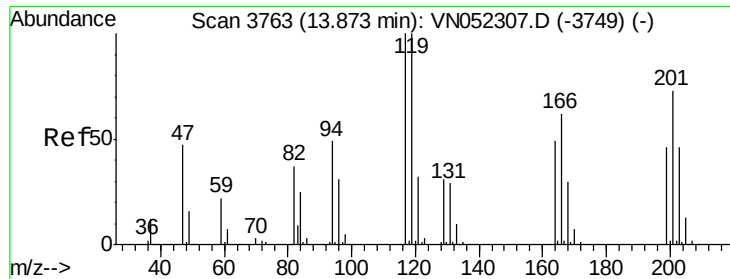
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 11/20/2018 2:58:04 PM



#89  
 n-Butylbenzene  
 Concen: 0.784 ug/l  
 RT: 13.62 min Scan# 3683  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 57.7  | 25.4  | 76.2  |
| 134     | 30.2  | 12.2  | 36.4  |





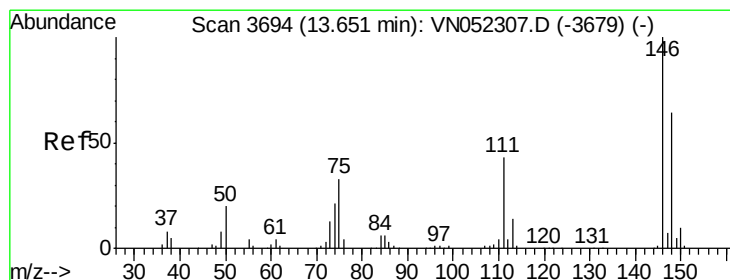
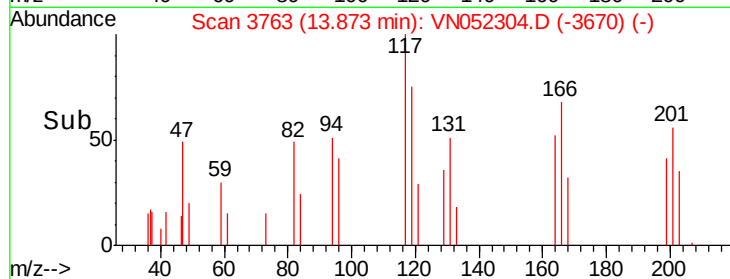
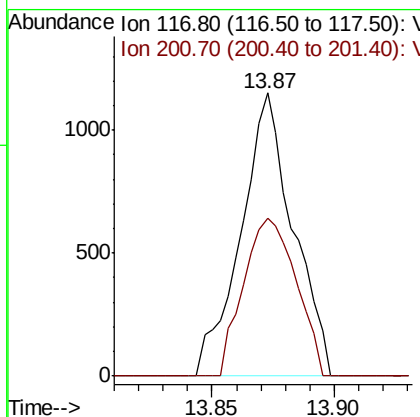
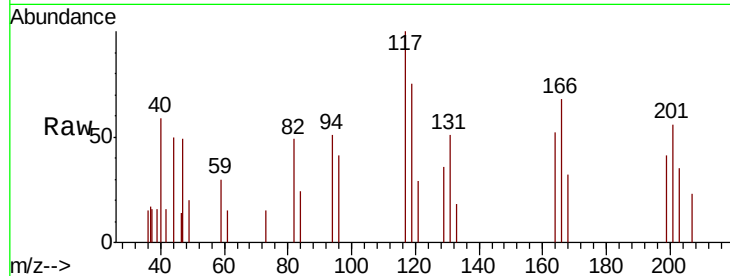
#90  
Hexachloroethane  
Concen: 0.953 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tot Ion:117 Resp: 1701  
Ion Ratio Lower Upper  
117 100  
201 56.3 35.3 105.9

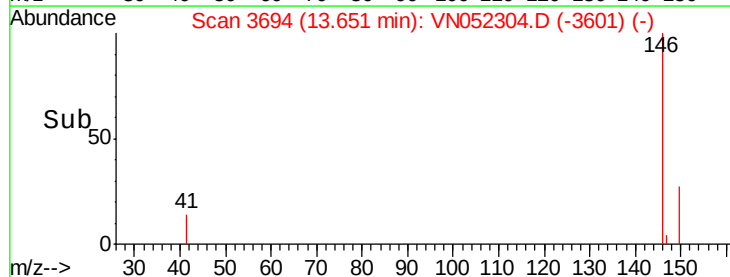
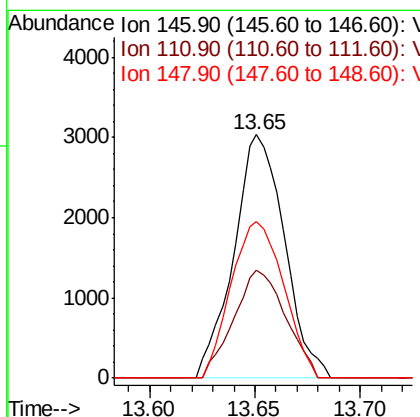
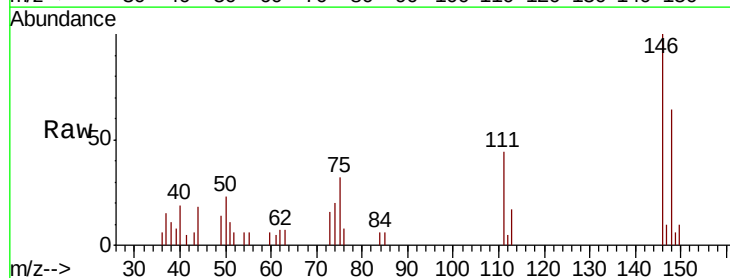
Manual Integrations  
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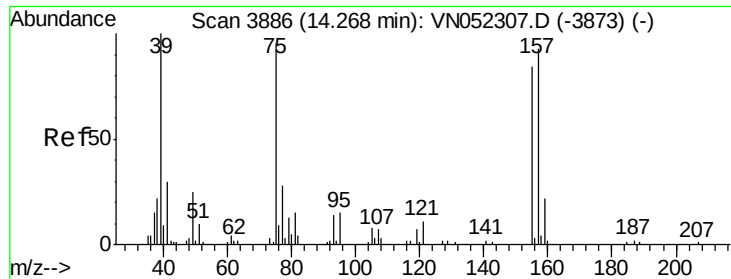


#91  
1,2-Dichlorobenzene  
Concen: 1.016 ug/l  
RT: 13.65 min Scan# 3694  
Delta R.T. 0.00 min  
Lab File: VN052304.D  
Acq: 14 Nov 2018 10:31

Tgt Ion:146 Resp: 5061  
Ion Ratio Lower Upper  
146 100  
111 45.4 21.3 63.9  
148 66.6 31.6 94.8







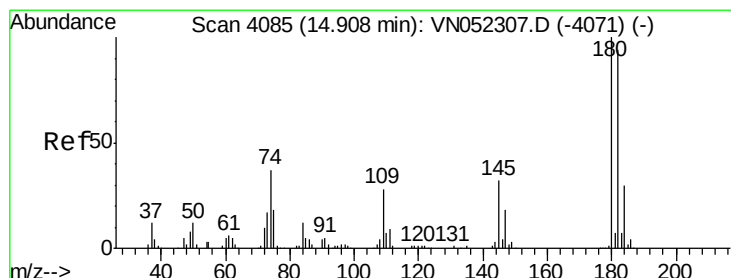
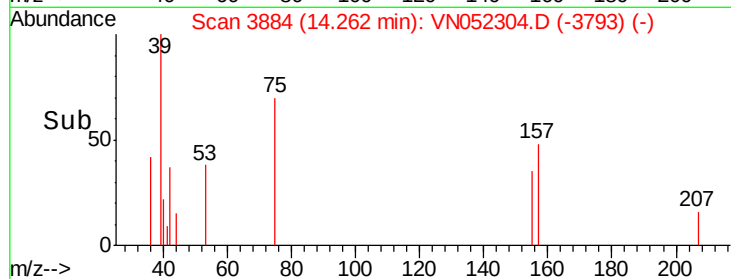
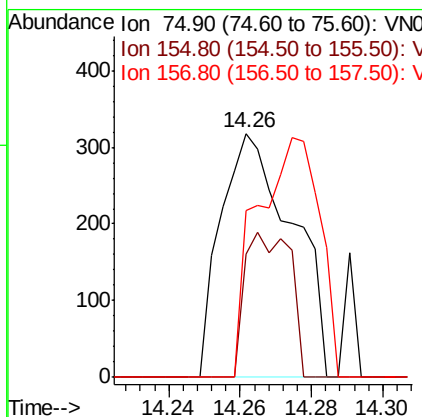
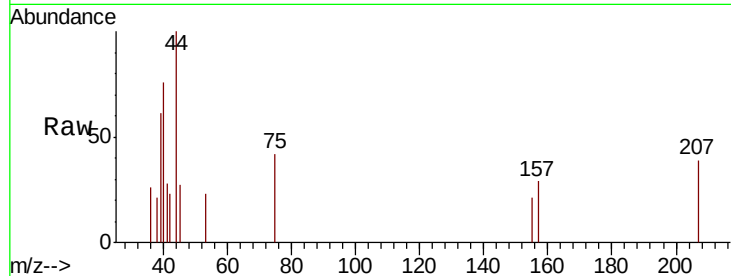
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.990 ug/l  
 RT: 14.26 min Scan# 3884  
 Delta R.T. -0.01 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 155     | 37.8  | 42.4  | 127.3# |
| 157     | 86.1  | 49.6  | 149.0  |

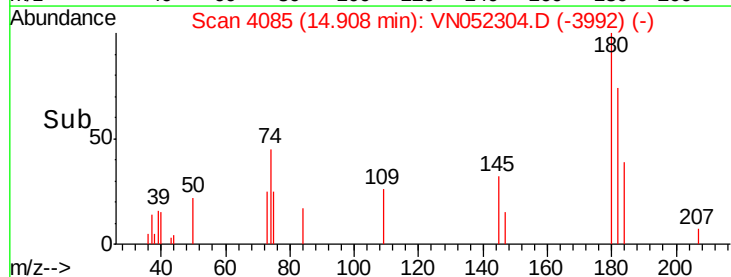
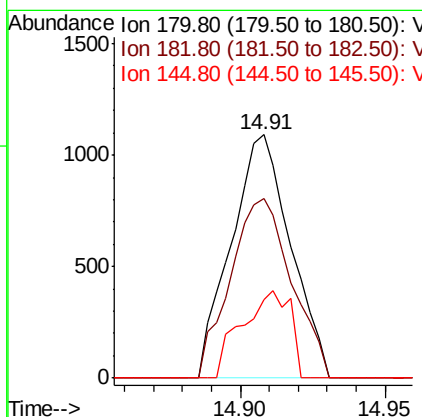
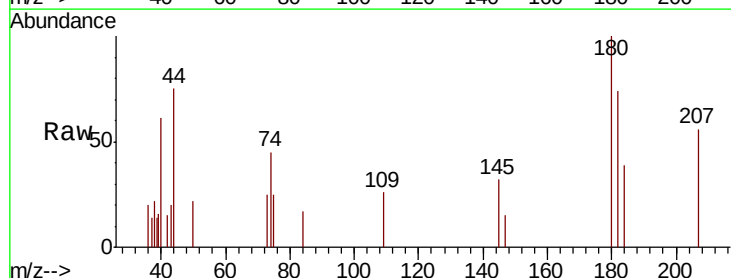
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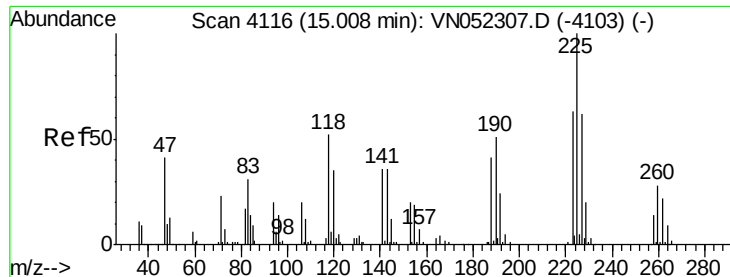
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#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.758 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 76.0  | 47.6  | 142.9 |
| 145     | 29.2  | 15.5  | 46.5  |





#94

Hexachlorobutadiene

Concen: 1.036 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN052304.D

Acq: 14 Nov 2018 10:31

Instrument :

MSVOA\_N

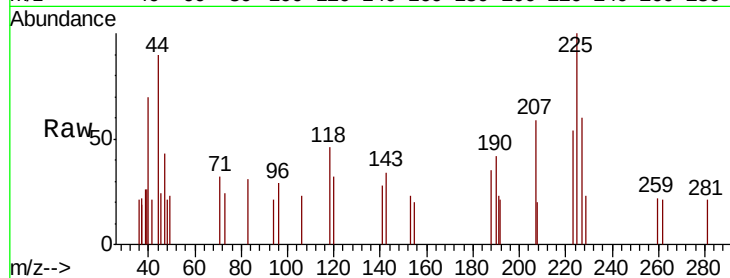
ClientSampleId :

VSTDIC001

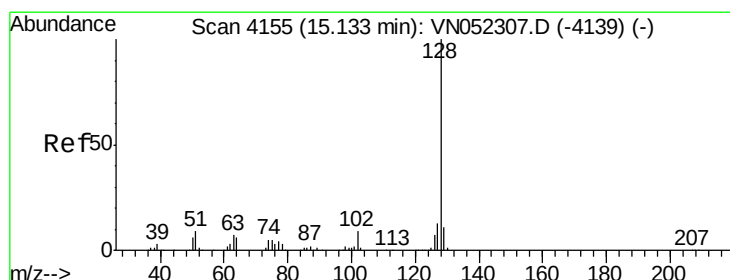
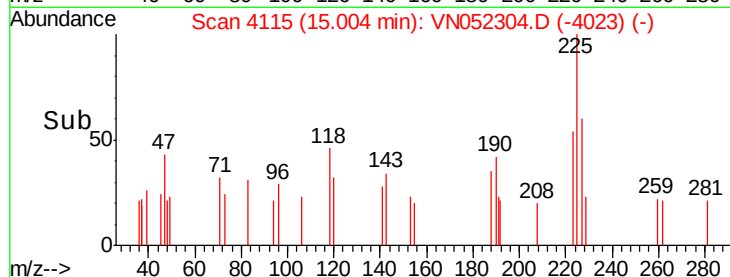
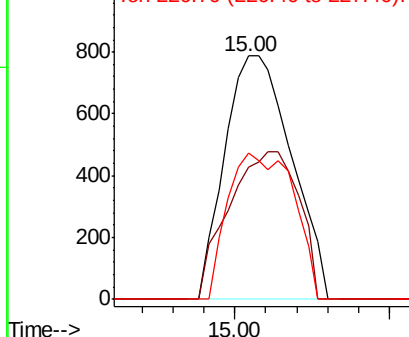
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 225   | Resp: | 1181 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.5  | 31.9  | 95.5 |
| 227       | 59.1  | 31.6  | 95.0 |

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Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.655 ug/l

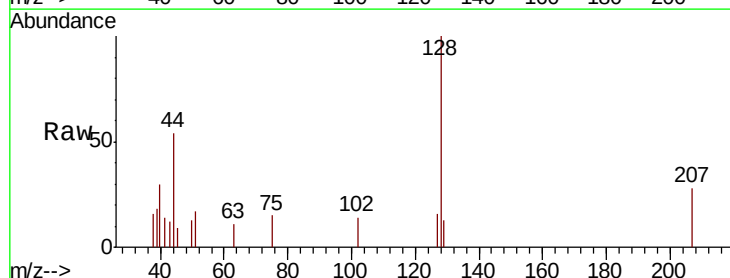
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

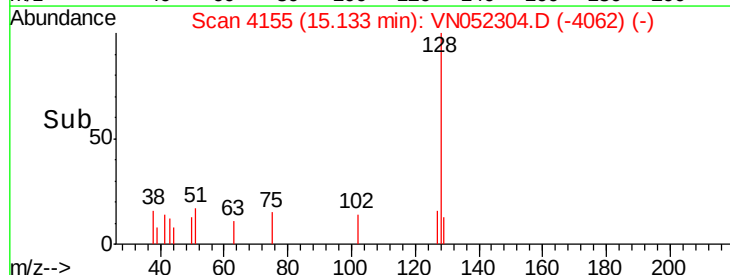
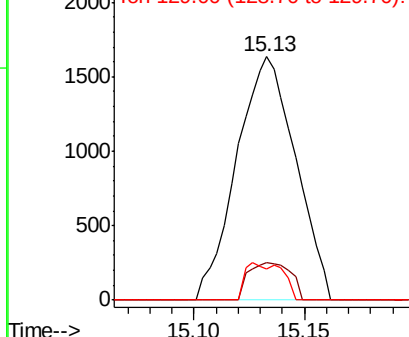
Lab File: VN052304.D

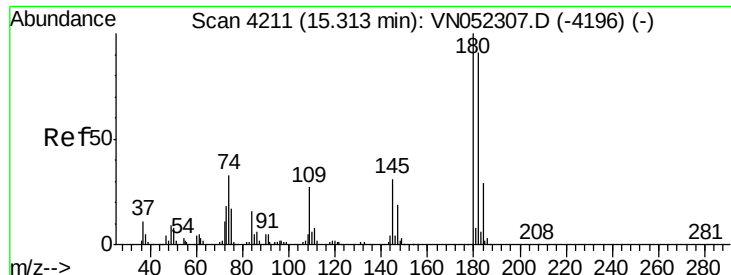
Acq: 14 Nov 2018 10:31

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 3031 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 11.0  | 10.4  | 15.6 |
| 129       | 9.6   | 8.6   | 13.0 |



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





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.887 ug/l  
 RT: 15.31 min Scan# 4211  
 Delta R.T. 0.00 min  
 Lab File: VN052304.D  
 Acq: 14 Nov 2018 10:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 73.4  | 46.5  | 139.3 |
| 145     | 25.2  | 16.4  | 49.2  |

Manual Integrations  
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