

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\  
 Data File : VN053219.D  
 Acq On : 28 Dec 2018 12:16  
 Operator : MD\SY  
 Sample : VN1228WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1228WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 1/2/2019 9:48:49 AM

Quant Time: Dec 28 13:17:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 28 10:33:50 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.19  | 128  | 160321   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 929090   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 815424   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 303852   | 29.83    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 99.43%  |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 370133   | 29.66    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 98.87%  |
| 63) Toluene-d8            | 10.09  | 98    | 1117453  | 30.42    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 101.40% |

## Target Compounds

|                               |      |     |        |        | Ovalue     |
|-------------------------------|------|-----|--------|--------|------------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 216187 | 20.238 | ug/l 100   |
| 3) Chloromethane              | 2.06 | 50  | 246117 | 19.631 | ug/l 99    |
| 4) Vinyl Chloride             | 2.19 | 62  | 243800 | 19.761 | ug/l 98    |
| 5) Bromomethane               | 2.58 | 94  | 157635 | 19.818 | ug/l 99    |
| 6) Chloroethane               | 2.71 | 64  | 140598 | 19.784 | ug/l 99    |
| 7) Trichlorofluoromethane     | 3.03 | 101 | 298573 | 19.597 | ug/l 97    |
| 8) Diethyl Ether              | 3.41 | 74  | 110389 | 19.502 | ug/l 95    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 190257 | 19.876 | ug/l 97    |
| 10) 1,1-Dichloroethene        | 3.74 | 96  | 181895 | 19.472 | ug/l 96    |
| 11) Methyl Iodide             | 3.96 | 142 | 260103 | 19.013 | ug/l 99    |
| 12) Methyl Acetate            | 4.33 | 43  | 133266 | 18.303 | ug/l 99    |
| 13) Acrolein                  | 3.61 | 56  | 78086  | 89.827 | ug/l 99    |
| 14) Acrylonitrile             | 4.99 | 53  | 314957 | 96.694 | ug/l 99    |
| 15) Acetone                   | 3.82 | 58  | 65301  | 94.330 | ug/l 91    |
| 16) Carbon Disulfide          | 4.06 | 76  | 547154 | 19.040 | ug/l 100   |
| 17) Allyl chloride            | 4.33 | 41  | 299315 | 20.368 | ug/l 99    |
| 18) Methylene Chloride        | 4.55 | 84  | 209378 | 19.584 | ug/l 96    |
| 19) trans-1,2-Dichloroethene  | 5.05 | 96  | 195478 | 19.801 | ug/l 91    |
| 20) Diisopropyl ether         | 5.95 | 45  | 625481 | 19.874 | ug/l 99    |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 363400 | 19.832 | ug/l 98    |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 219333 | 19.723 | ug/l 98    |
| 23) tert-Butyl Alcohol        | 4.88 | 59  | 484    | 0.881  | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 474053 | 19.461 | ug/l 97    |
| 25) Chloroform                | 7.37 | 83  | 349360 | 19.835 | ug/l 99    |
| 26) Cyclohexane               | 7.66 | 56  | 334965 | 19.599 | ug/l # 98  |
| 29) 1,1-Dichloropropene       | 7.80 | 75  | 276927 | 19.677 | ug/l 99    |
| 30) 2-Butanone                | 6.84 | 43  | 339842 | 96.791 | ug/l 97    |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 264744 | 19.432 | ug/l 96    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 293180 | 19.883 | ug/l 97    |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 252830 | 19.588 | ug/l 98    |
| 34) Benzene                   | 8.04 | 78  | 839579 | 19.851 | ug/l 97    |
| 35) Methacrylonitrile         | 7.17 | 41  | 80623  | 17.795 | ug/l 94    |
| 36) 1,2-Dichloroethane        | 8.13 | 62  | 242413 | 19.743 | ug/l 98    |
| 37) Trichloroethene           | 8.84 | 130 | 224125 | 19.561 | ug/l 95    |
| 38) Methylcyclohexane         | 9.08 | 83  | 319528 | 19.412 | ug/l 97    |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 218981 | 19.827 | ug/l 97    |
| 40) Dibromomethane            | 9.21 | 93  | 123469 | 19.768 | ug/l 96    |

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Manual Integrations  
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Quant Time: Dec 28 13:17:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Dec 28 10:33:50 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 257105   | 19.168  | ug/l   | 100      |
| 42) Vinyl Acetate              | 5.90  | 43   | 1927376  | 100.618 | ug/l   | 98       |
| 43) Ethyl Acetate              | 6.93  | 43   | 152844   | 19.493  | ug/l # | 85       |
| 44) Isopropyl Acetate          | 8.16  | 43   | 287307   | 19.670  | ug/l # | 77       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 33117    | 370.776 | ug/l   | 96       |
| 46) Methyl methacrylate        | 9.20  | 41   | 144367   | 19.565  | ug/l   | 96       |
| 47) n-amyl Acetate             | 12.07 | 43   | 236131   | 18.409  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 259255   | 18.937  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 311180   | 19.303  | ug/l   | 97       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 174630   | 19.500  | ug/l   | 100      |
| 51) Ethyl methacrylate         | 10.43 | 69   | 225447   | 19.316  | ug/l   | 91       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 304074   | 19.710  | ug/l   | 100      |
| 53) Dibromochloromethane       | 10.90 | 129  | 194400   | 19.327  | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 173414   | 19.195  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 508399   | 75.900  | ug/l   | 97       |
| 56) Bromoform                  | 12.13 | 173  | 125239   | 18.202  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 773470   | 99.544  | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.75 | 43   | 521205   | 97.163  | ug/l   | 96       |
| 61) Tetrachloroethene          | 10.63 | 164  | 238899   | 19.825  | ug/l   | 95       |
| 62) Toluene                    | 10.16 | 91   | 901602   | 20.161  | ug/l   | 99       |
| 64) Chlorobenzene              | 11.43 | 112  | 555296   | 19.787  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 194073   | 19.715  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 958983   | 19.774  | ug/l   | 100      |
| 67) m/p-Xylenes                | 11.62 | 106  | 722836   | 39.410  | ug/l   | 98       |
| 68) o-Xylene                   | 11.95 | 106  | 353705   | 19.901  | ug/l   | 98       |
| 69) Styrene                    | 11.96 | 104  | 564455   | 19.456  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 919545   | 19.664  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 195156   | 19.825  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 157695m  | 18.293  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 232104   | 19.309  | ug/l   | 93       |
| 74) n-propylbenzene            | 12.59 | 91   | 1022359  | 19.313  | ug/l   | 98       |
| 75) 2-Chlorotoluene            | 12.67 | 91   | 608989   | 19.425  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 722203   | 19.469  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 53701    | 17.729  | ug/l   | 98       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 604122   | 18.930  | ug/l   | 99       |
| 79) tert-butylbenzene          | 12.99 | 119  | 634890   | 19.625  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 720785   | 19.387  | ug/l   | 100      |
| 81) sec-Butylbenzene           | 13.17 | 105  | 823277   | 19.218  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 700362   | 18.919  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 377565   | 18.447  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 369103   | 18.501  | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 549183   | 18.243  | ug/l   | 99       |
| 86) Hexachloroethane           | 13.88 | 117  | 109498   | 18.526  | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 351591   | 18.487  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 24930    | 17.709  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 161071   | 17.450  | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 106117   | 18.993  | ug/l   | 99       |
| 91) Naphthalene                | 15.13 | 128  | 328449   | 16.771  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 146664   | 17.809  | ug/l   | 97       |

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Sample : VN1228WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 10 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

Manual Integrations  
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1/2/2019 9:48:49 AM

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Dec 28 10:33:50 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

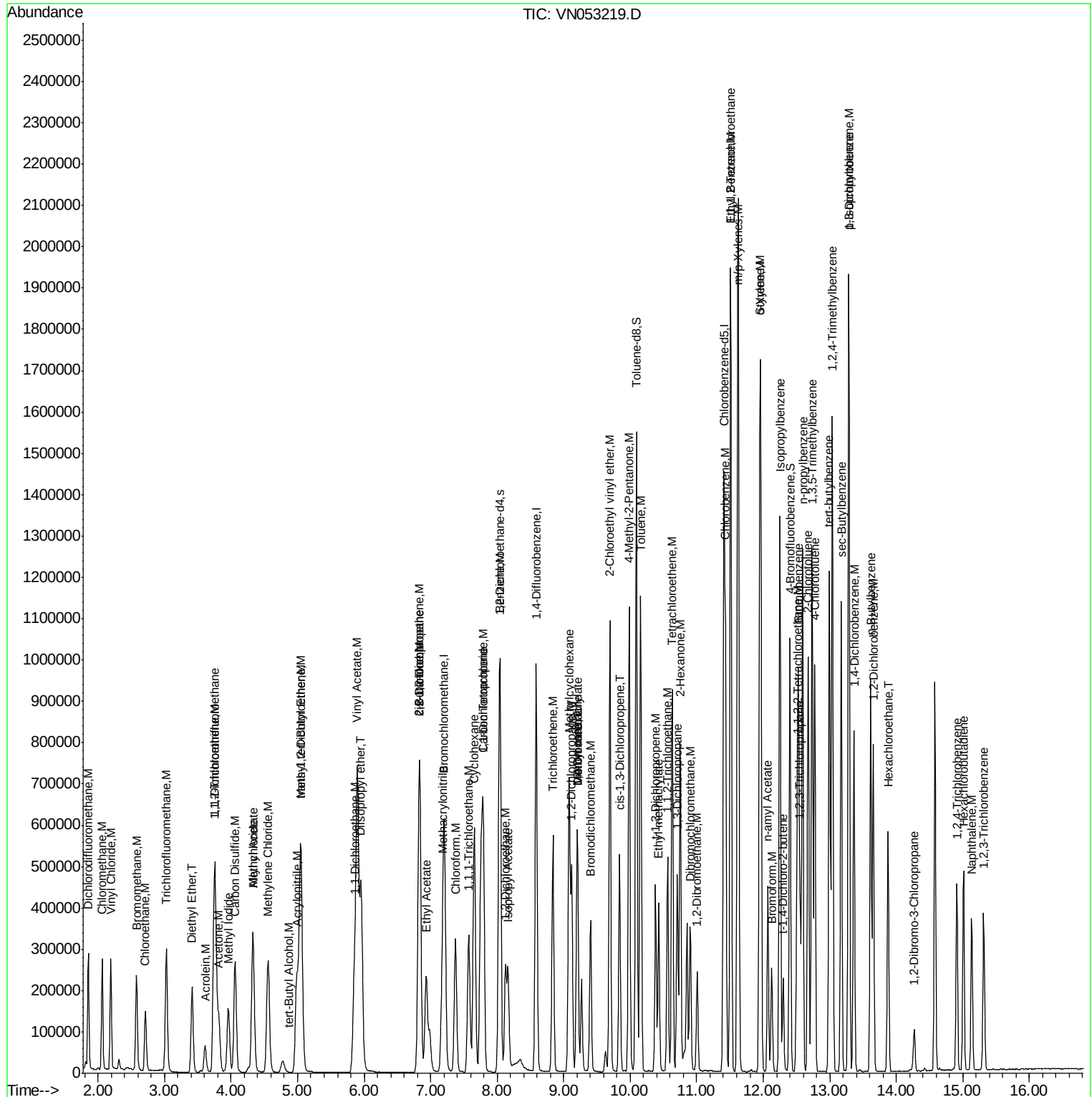
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Data File : VN053219.D  
Acq On : 28 Dec 2018 12:16  
Operator : MD\SY  
Sample : VN1228WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 10 Sample Multiplier: 28

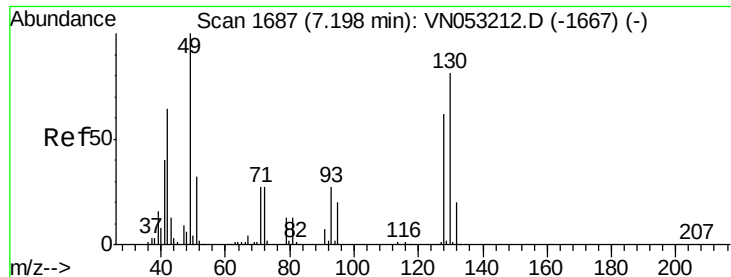
Instrument :  
MSVOA\_N  
Client Sample Id :  
VN1228WBS01

Manual Integrations  
APPROVED

MMDadoda  
1/2/2019 9:48:49 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M  
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QLast Update : Fri Dec 28 10:33:50 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

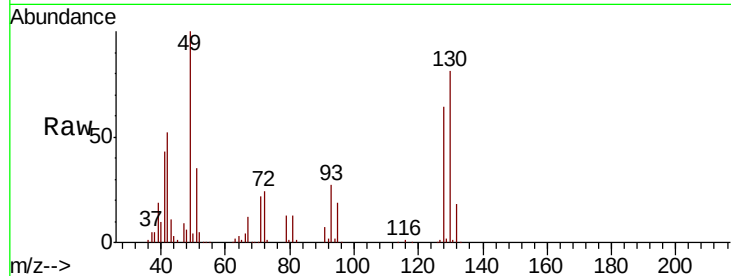
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VN1228WBS01

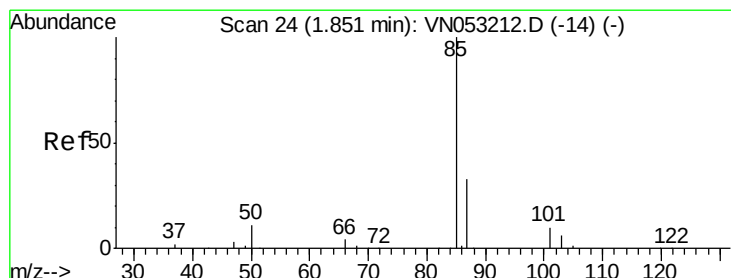
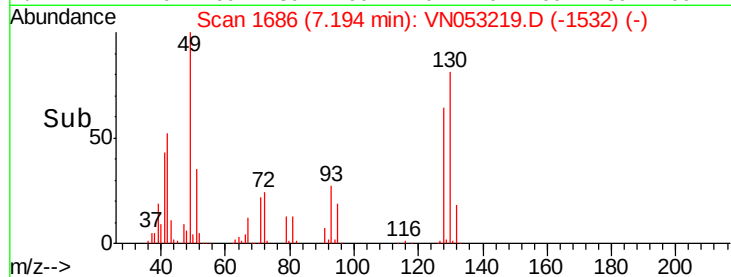
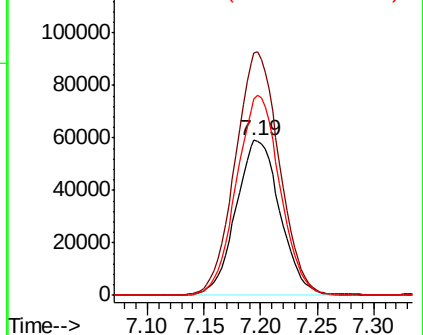
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|----------|-------|-------|--------|
| Tot Ion: | 128   | Resp: | 160321 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 49       | 157.5 | 0.0   | 431.8  |
| 130      | 127.3 | 0.0   | 317.0  |

Manual Integrations  
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Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): VN  
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.238 ug/l

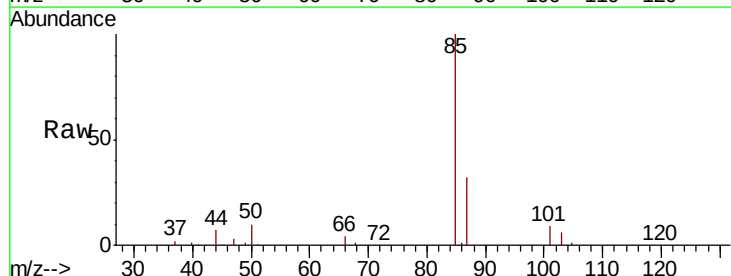
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

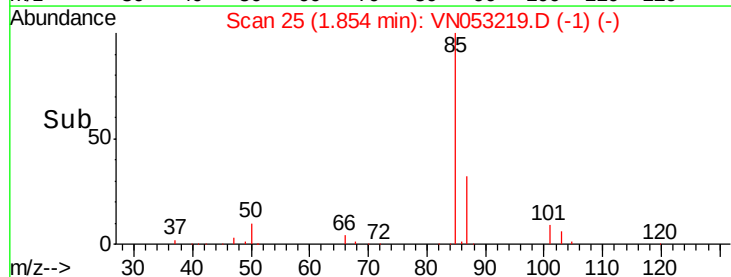
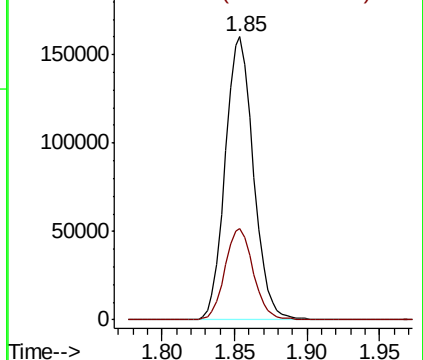
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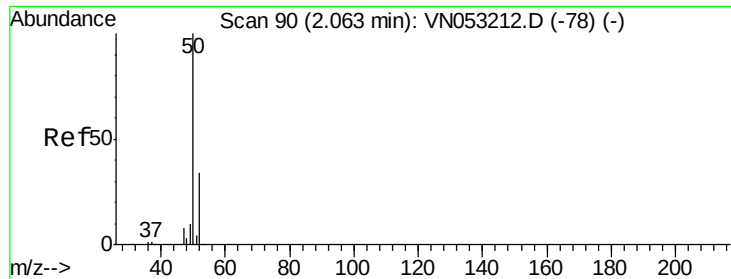
Acq: 28 Dec 2018 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 216187 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 32.3  | 16.1  | 48.3   |



Abundance Ion 85.00 (84.70 to 85.70): VN  
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.631 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VN1228WBS01

Tot Ion: 50 Resp: 246117

Ion Ratio Lower Upper

50 100

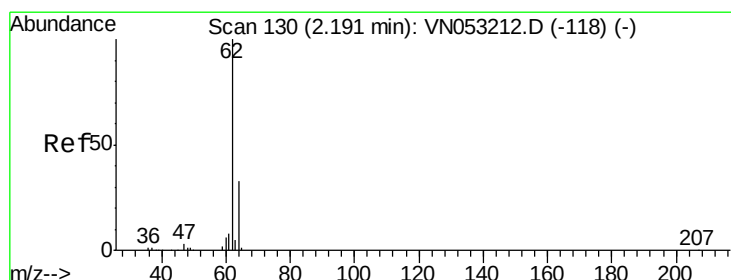
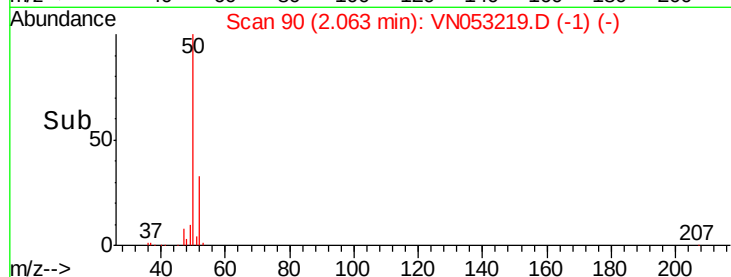
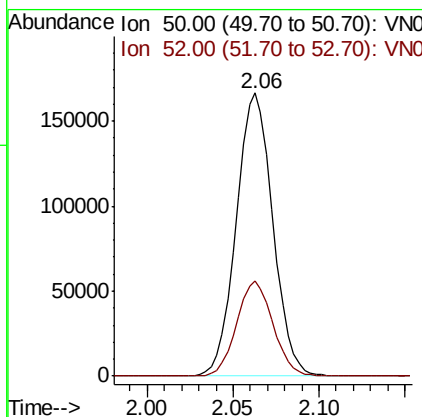
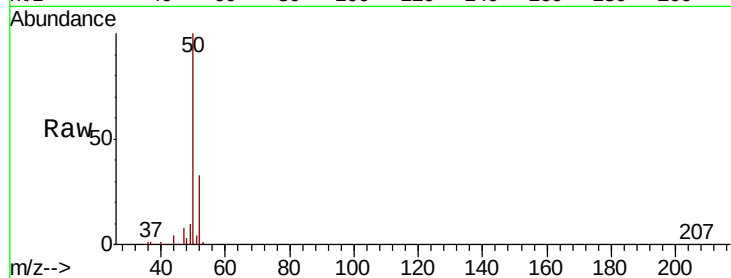
52 33.5 26.5 39.7

Manual Integrations

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1/2/2019 9:48:49 AM



#4

Vinyl Chloride

Concen: 19.761 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053219.D

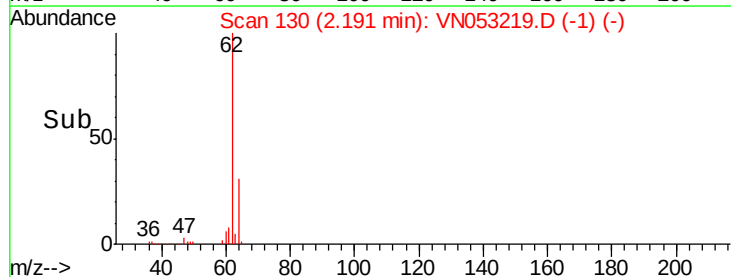
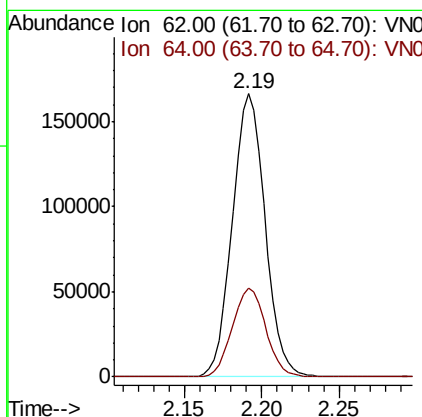
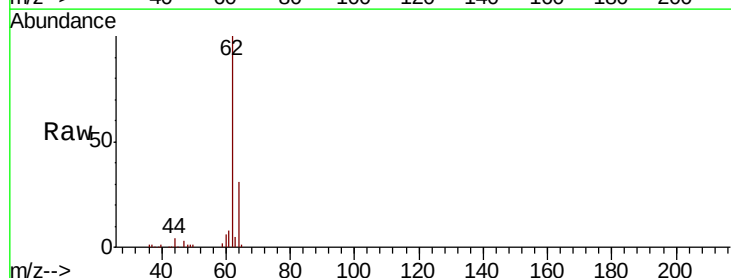
Acq: 28 Dec 2018 12:16

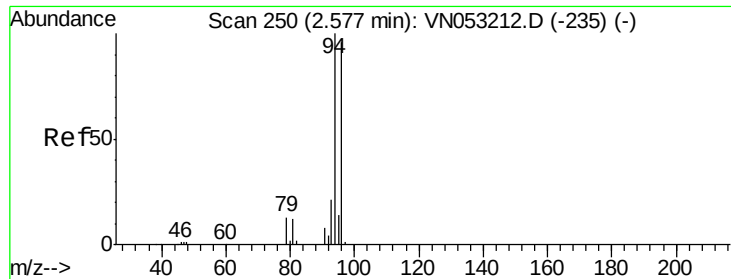
Tgt Ion: 62 Resp: 243800

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 19.818 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampled :

VN1228WBS01

Tot Ion: 94 Resp: 157635

Ion Ratio Lower Upper

94 100

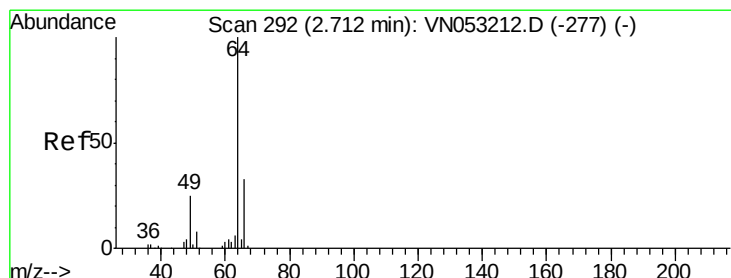
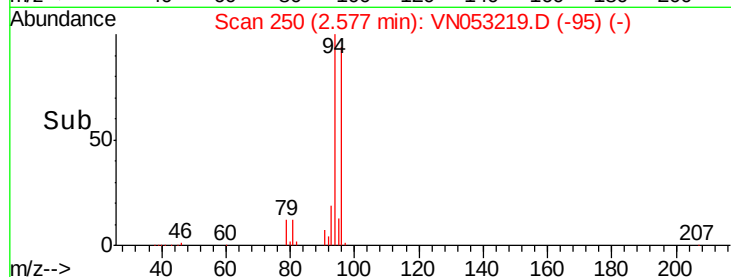
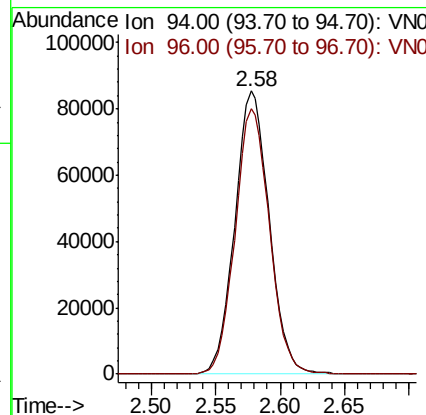
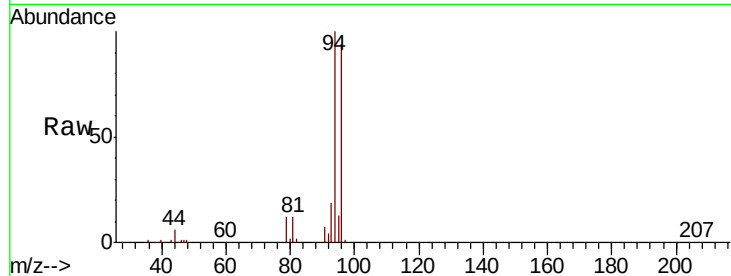
96 93.8 76.2 114.2

Manual Integrations

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1/2/2019 9:48:49 AM



#6

Chloroethane

Concen: 19.784 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN053219.D

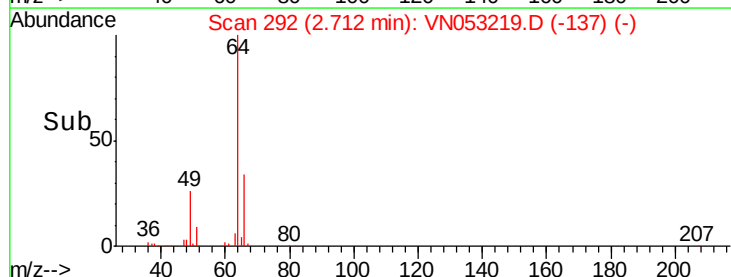
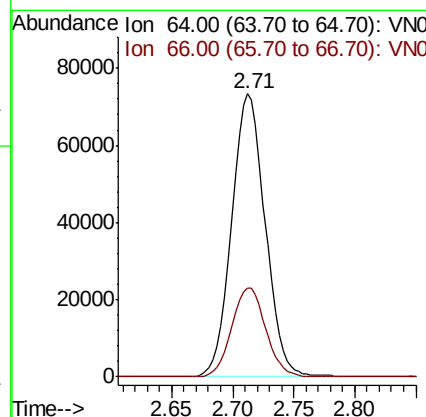
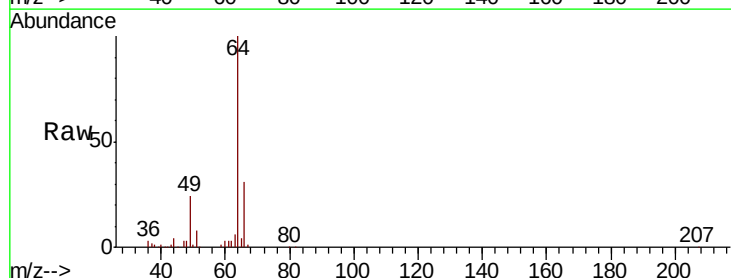
Acq: 28 Dec 2018 12:16

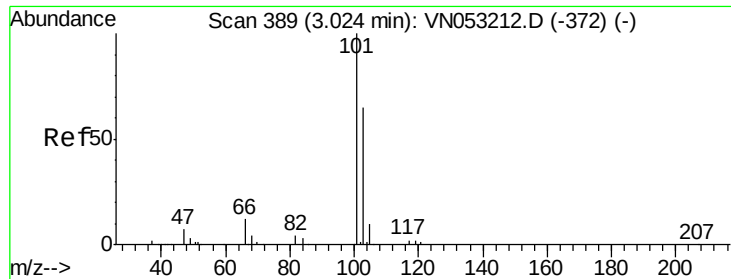
Tgt Ion: 64 Resp: 140598

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

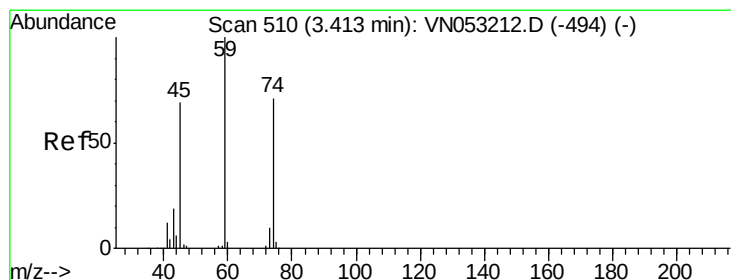
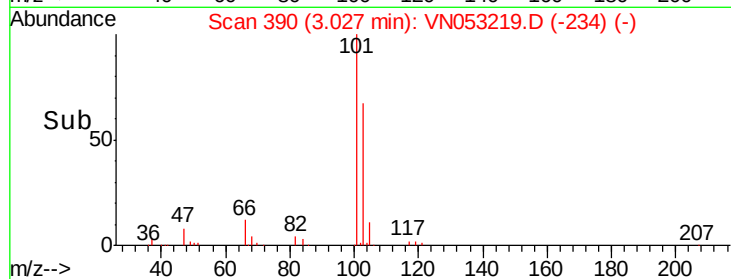
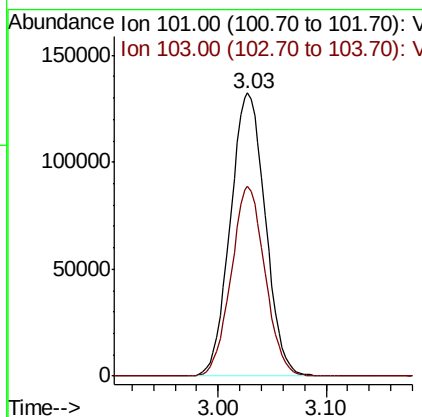
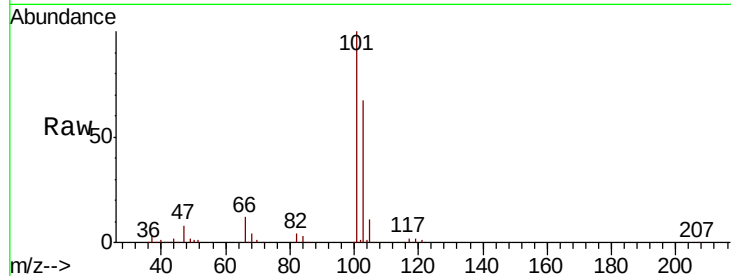
Trichlorofluoromethane  
Concen: 19.597 ug/l  
RT: 3.03 min Scan# 390  
Delta R.T. 0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 67.1  | 52.1  | 78.1  |

Manual Integrations  
APPROVED

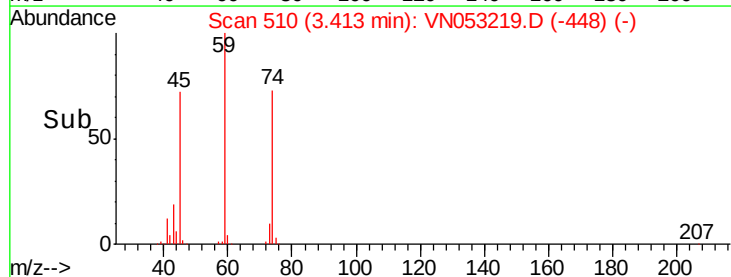
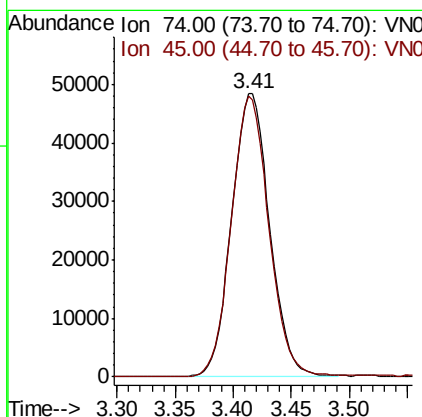
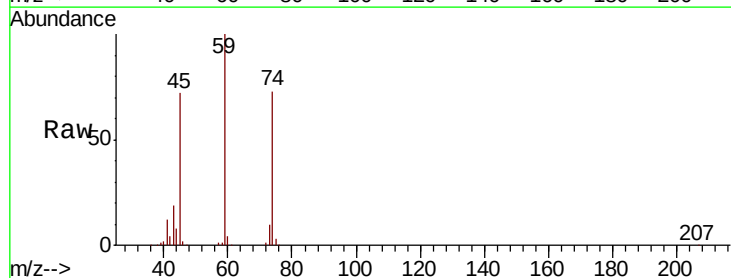
MMDadoda  
1/2/2019 9:48:49 AM



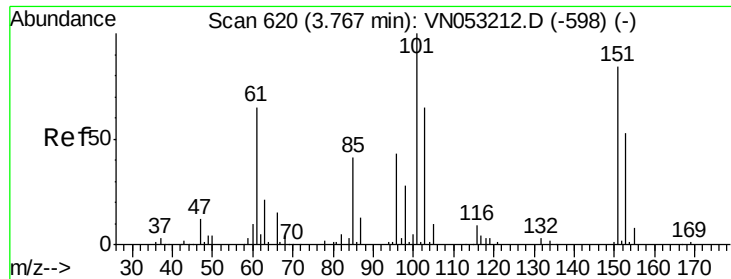
#8

Diethyl Ether  
Concen: 19.502 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.1  | 20.6  | 185.8 |







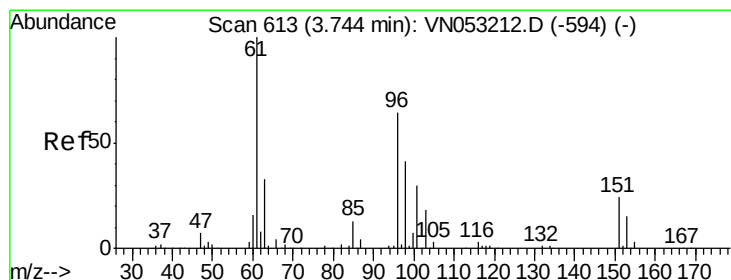
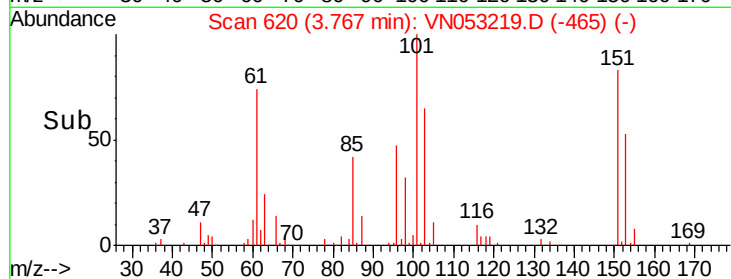
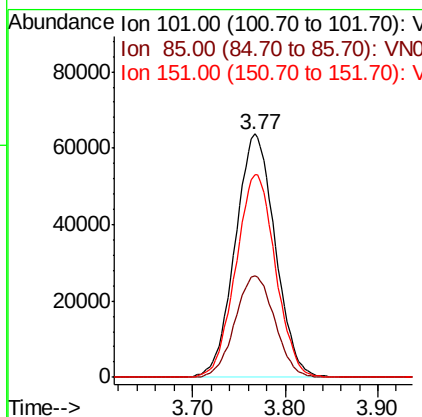
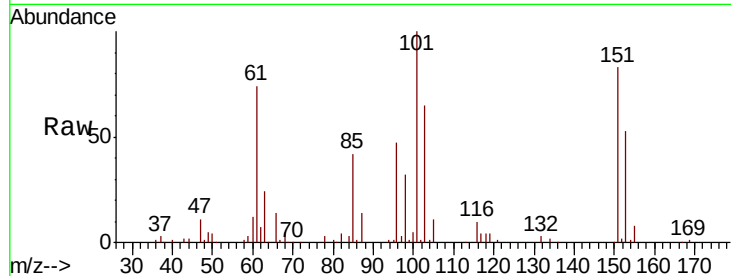
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.876 ug/l  
 RT: 3.77 min Scan# 620  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1228WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 190257 |       |       |
| 85      | 41.3  | 0.0    | 82.6  |       |
| 151     | 82.6  | 0.0    | 158.4 |       |

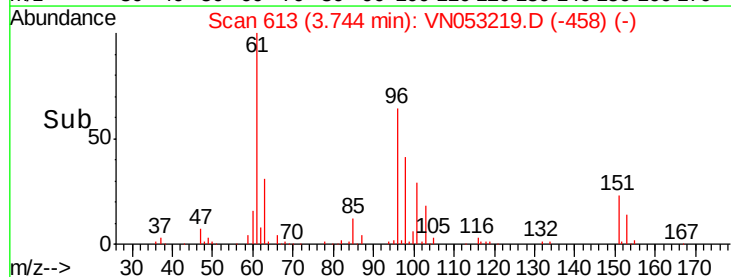
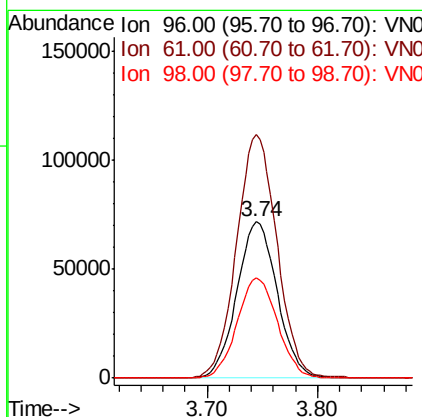
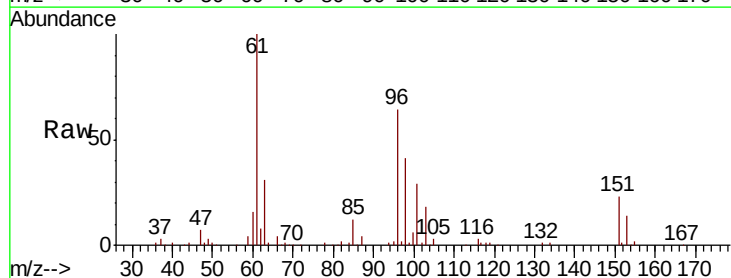
Manual Integrations  
 APPROVED

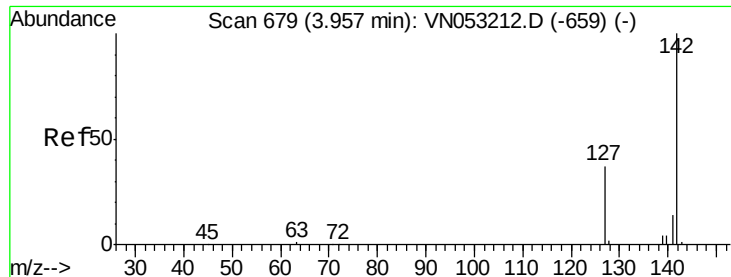
MMDadoda  
 1/2/2019 9:48:49 AM



#10  
 1,1-Dichloroethene  
 Concen: 19.472 ug/l  
 RT: 3.74 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 181895 |       |       |
| 61      | 155.9 | 129.4  | 194.2 |       |
| 98      | 63.9  | 50.4   | 75.6  |       |





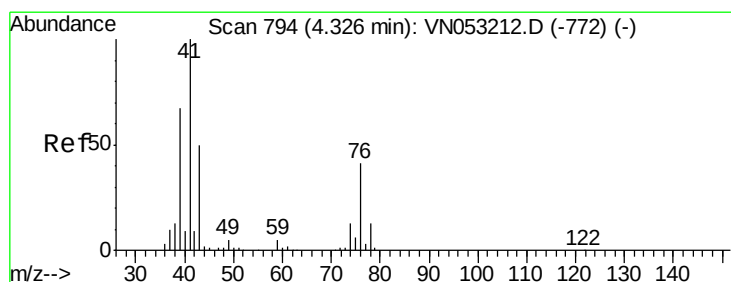
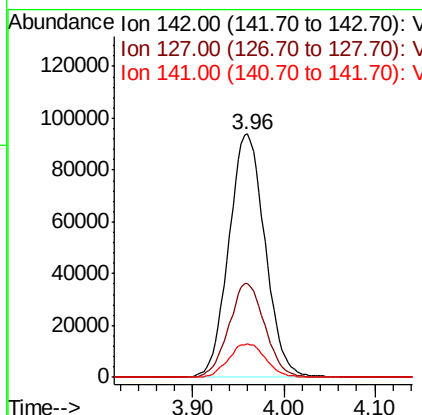
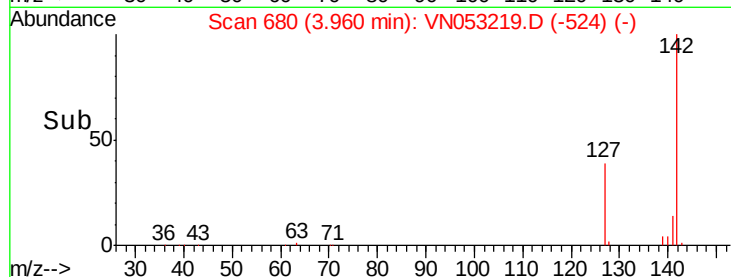
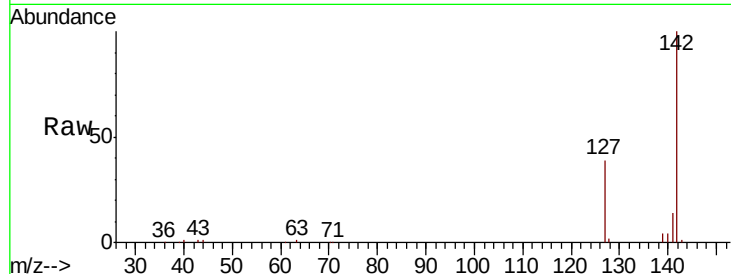
#11  
Methvl Iodide  
Concen: 19.013 ug/l  
RT: 3.96 min Scan# 680  
Delta R.T. 0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 38.6  | 19.4  | 58.1  |
| 141     | 13.6  | 7.2   | 21.6  |

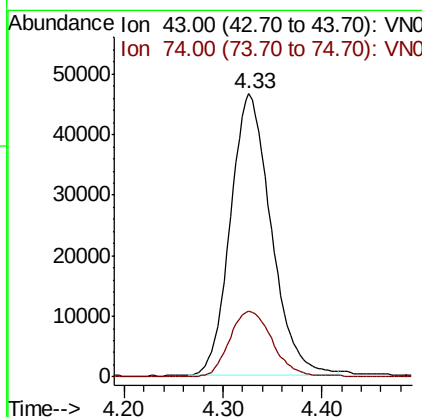
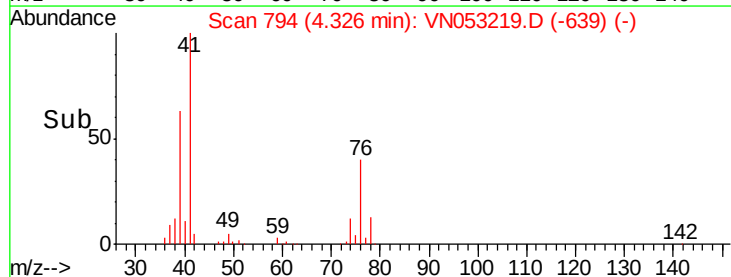
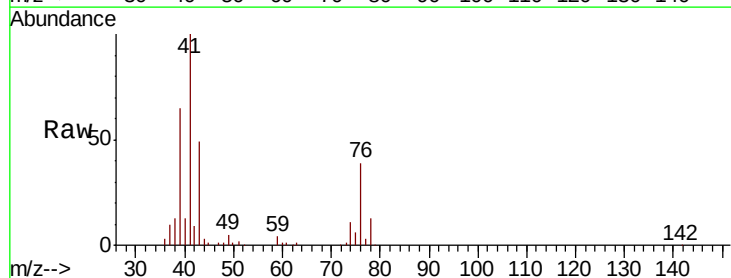
Manual Integrations  
APPROVED

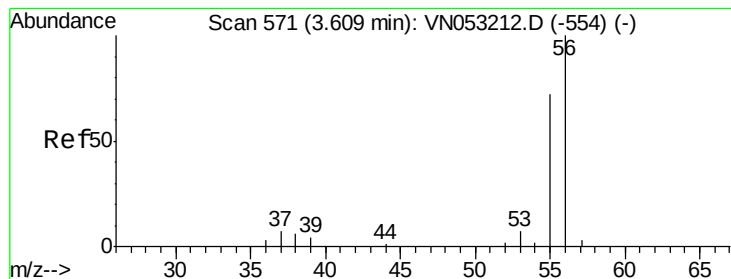
MMDadoda  
1/2/2019 9:48:49 AM



#12  
Methyl Acetate  
Concen: 18.303 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.3  | 18.9  | 28.3  |





#13

Acrolein

Concen: 89.827 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VN1228WBS01

Tot Ion: 56 Resp: 78086

Ion Ratio Lower Upper

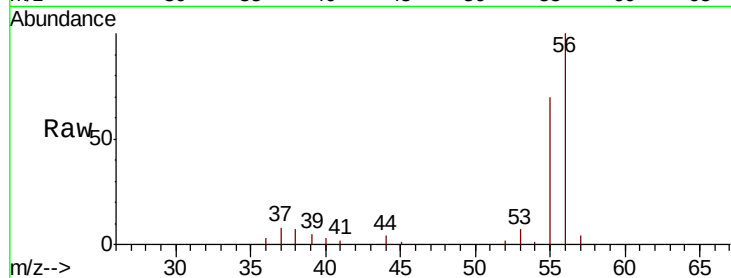
56 100

55 71.7 56.7 85.1

Manual Integrations  
APPROVED

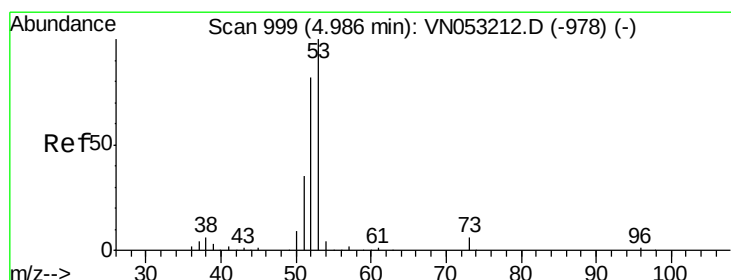
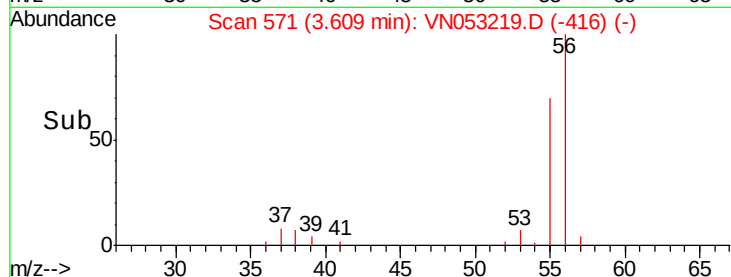
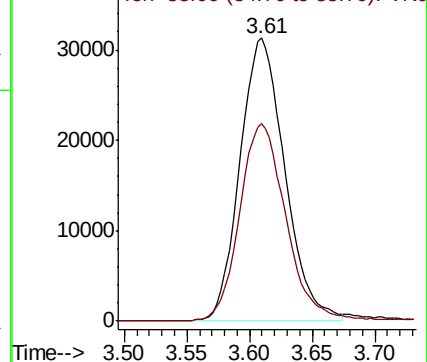
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.694 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

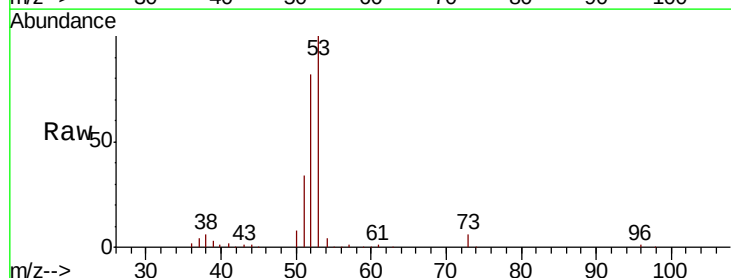
Tgt Ion: 53 Resp: 314957

Ion Ratio Lower Upper

53 100

52 81.5 39.9 119.7

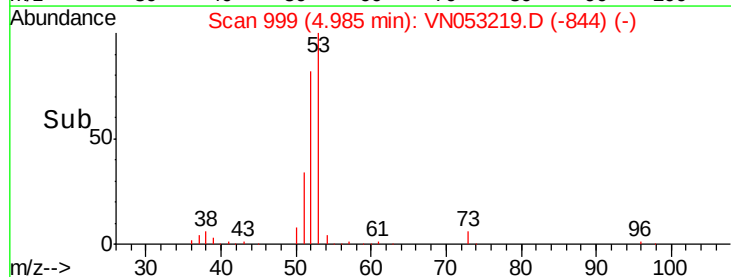
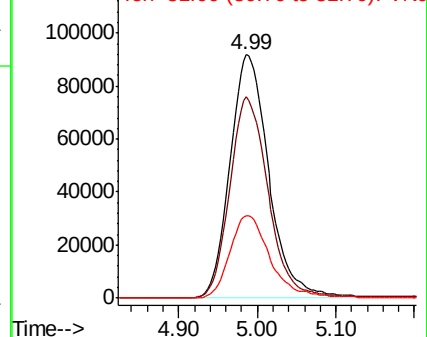
51 35.2 17.6 52.9

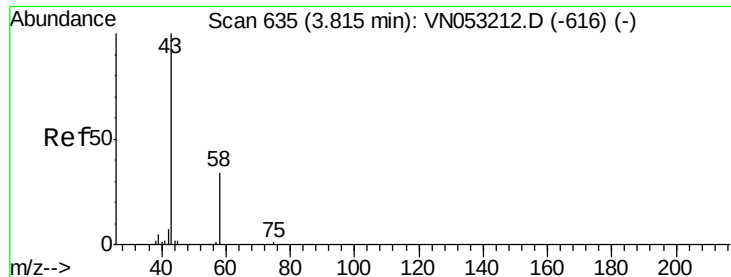


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 94.330 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VN1228WBS01

Tot Ion: 58 Resp: 65301

Ion Ratio Lower Upper

58 100

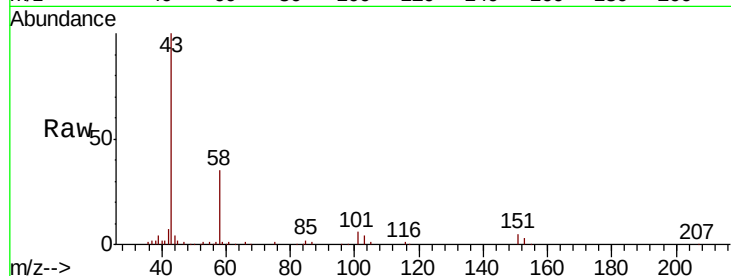
43 287.3 243.6 365.4

Manual Integrations

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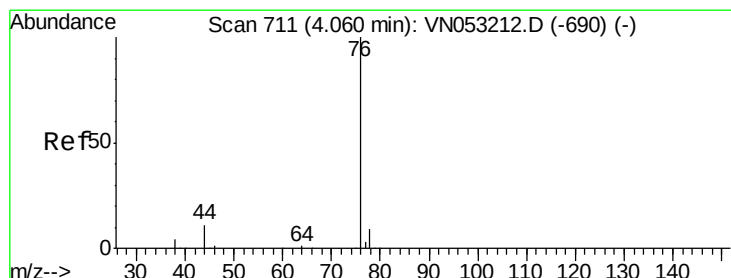
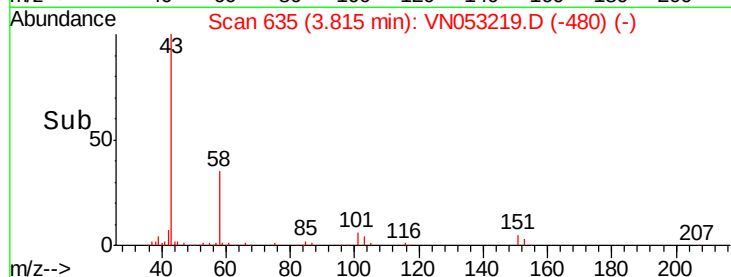
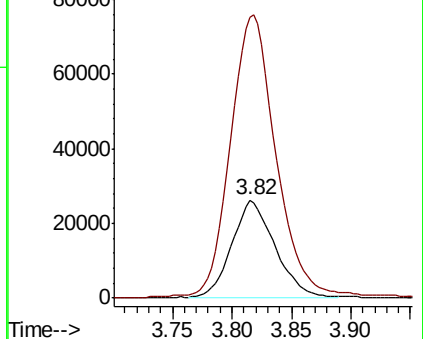
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN053212.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN053212.D (-616) (-)



#16

Carbon Disulfide

Concen: 19.040 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053219.D

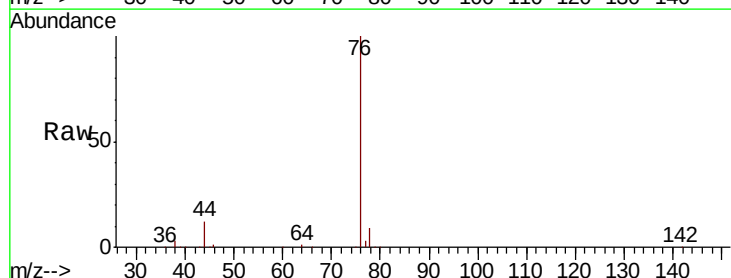
Acq: 28 Dec 2018 12:16

Tgt Ion: 76 Resp: 547154

Ion Ratio Lower Upper

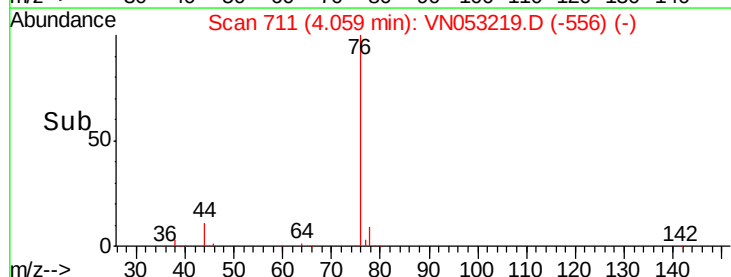
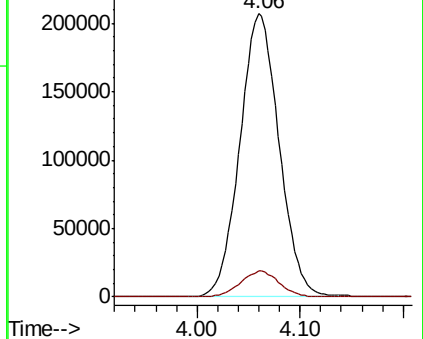
76 100

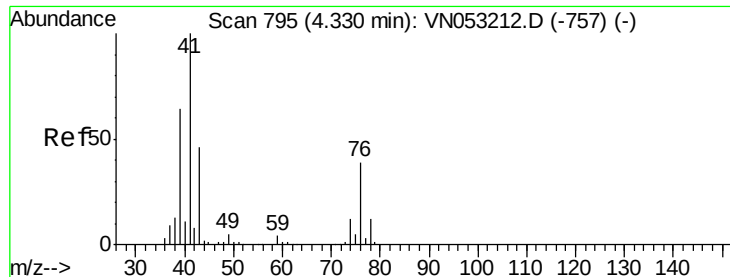
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN053212.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN053212.D (-690) (-)





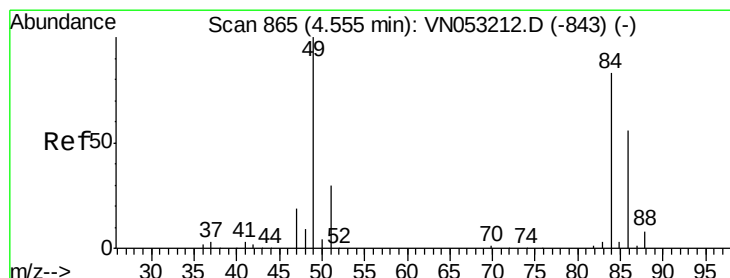
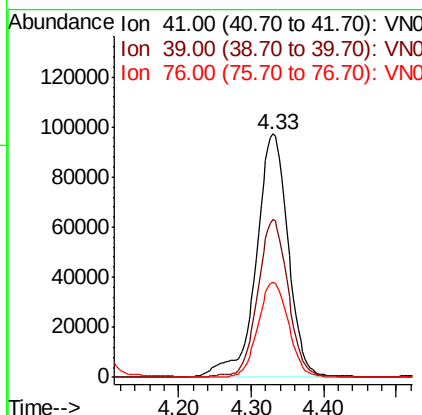
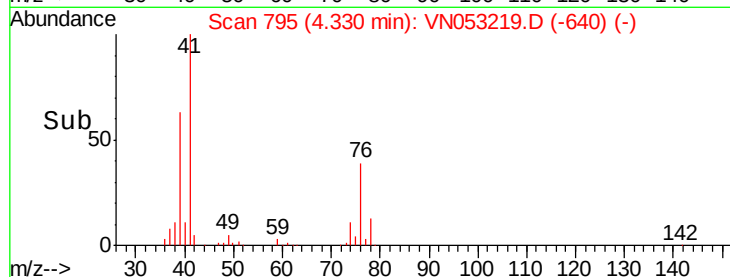
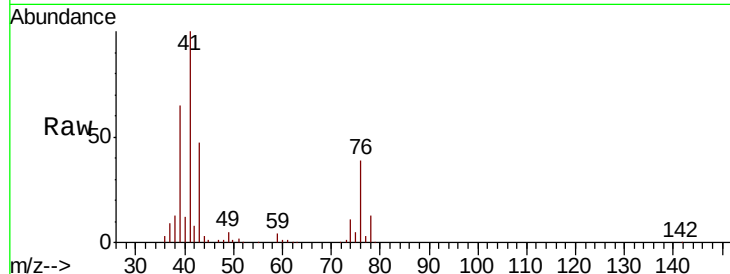
#17  
Allvl chloride  
Concen: 20.368 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 299315 |       |       |
| 39      | 64.9 | 32.8  | 98.3   |       |       |
| 76      | 38.7 | 18.6  | 55.8   |       |       |

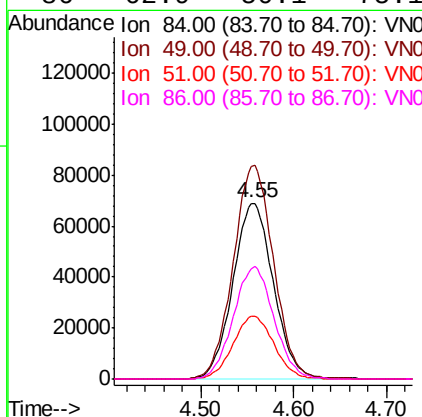
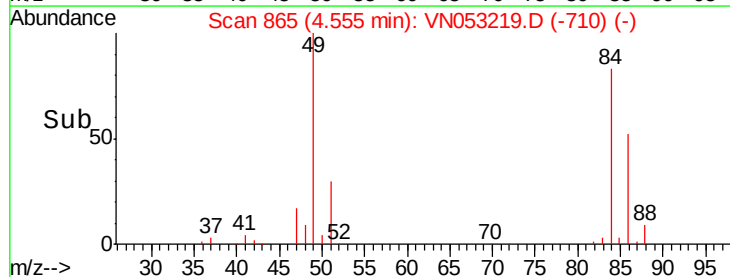
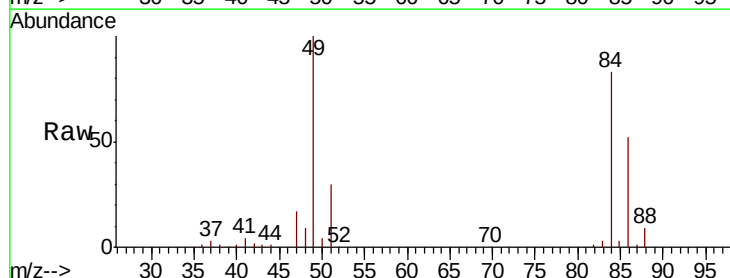
Manual Integrations  
APPROVED

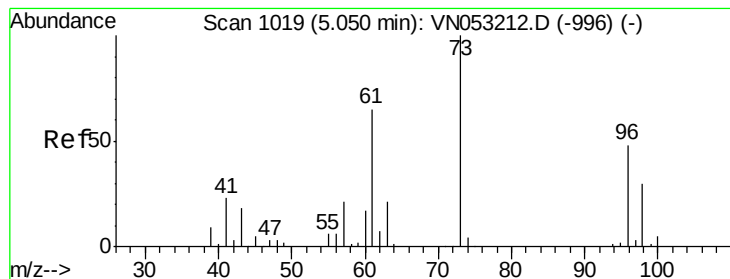
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#18  
Methylene Chloride  
Concen: 19.584 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 84      | 100   |       | 209378 |       |       |
| 49      | 120.4 | 101.4 | 152.0  |       |       |
| 51      | 35.8  | 31.7  | 47.5   |       |       |
| 86      | 62.9  | 50.1  | 75.1   |       |       |





#19

trans-1,2-Dichloroethene

Concen: 19.801 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampled :

VN1228WBS01

Tot Ion: 96 Resp: 195478

Ion Ratio Lower Upper

96 100

61 132.0 118.2 177.4

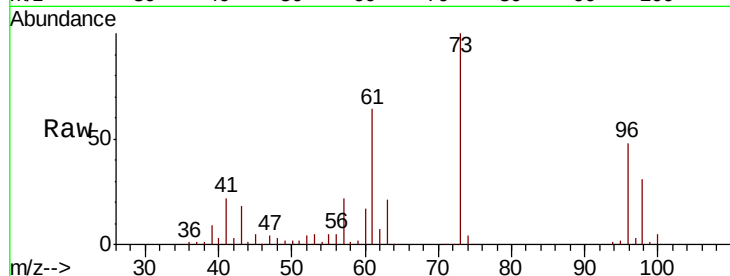
98 63.4 51.4 77.2

Manual Integrations

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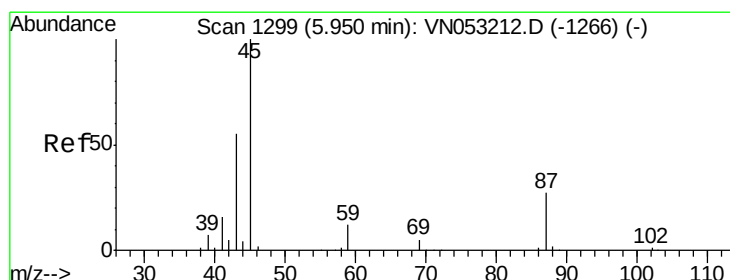
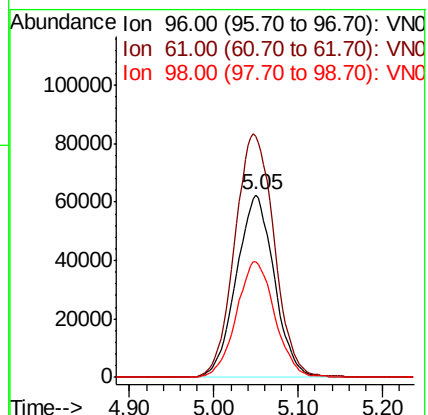
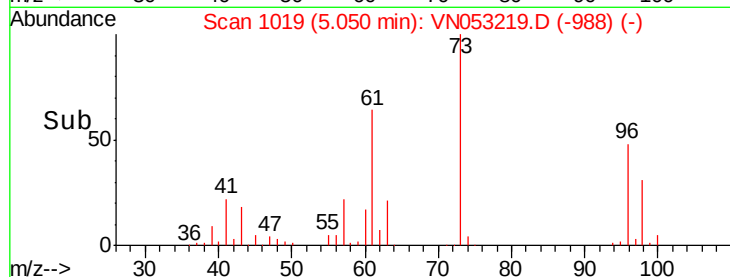


Abundance Ion 96.00 (95.70 to 96.70): VN053219.D (-996) (-)

Ion 61.00 (60.70 to 61.70): VN053219.D (-996) (-)

Ion 98.00 (97.70 to 98.70): VN053219.D (-996) (-)

Time-->



#20

Diisopropyl ether

Concen: 19.874 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Tgt Ion: 45 Resp: 625481

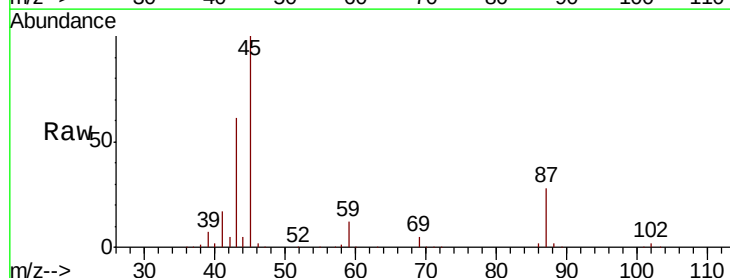
Ion Ratio Lower Upper

45 100

43 59.6 47.8 71.8

87 27.7 21.3 31.9

59 12.2 8.9 13.3



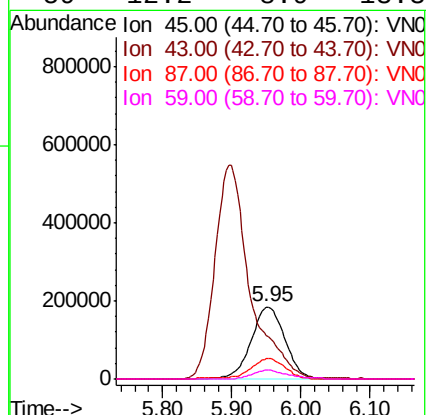
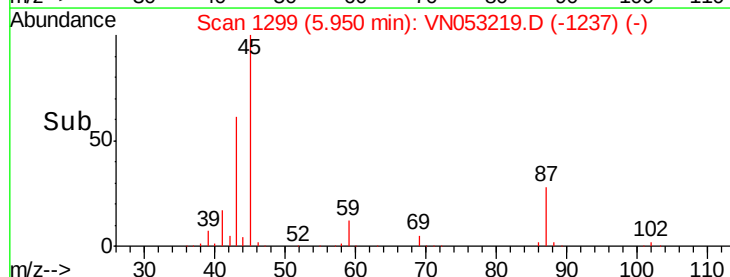
Abundance Ion 45.00 (44.70 to 45.70): VN053219.D (-1266) (-)

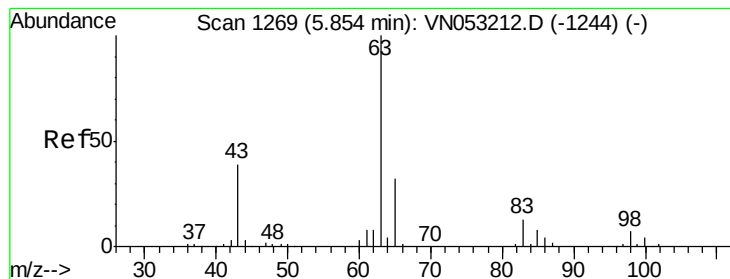
Ion 43.00 (42.70 to 43.70): VN053219.D (-1266) (-)

Ion 87.00 (86.70 to 87.70): VN053219.D (-1266) (-)

Ion 59.00 (58.70 to 59.70): VN053219.D (-1266) (-)

Time-->





#21

1,1-Dichloroethane

Concen: 19.832 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

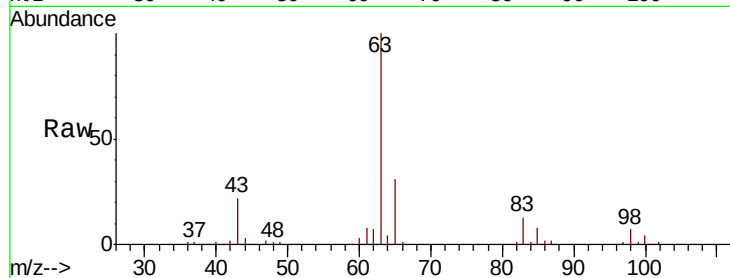
ClientSampleId :

VN1228WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 63    | Resp: | 363400 |
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 98        | 7.0   | 3.0   | 9.2    |
| 100       | 4.0   | 1.8   | 5.5    |

Manual Integrations  
APPROVED

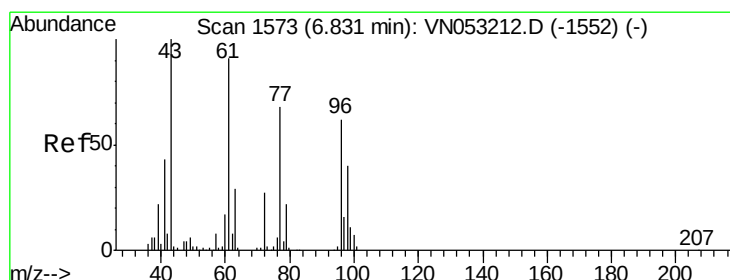
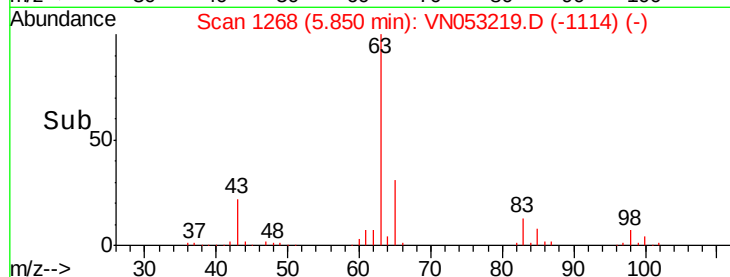
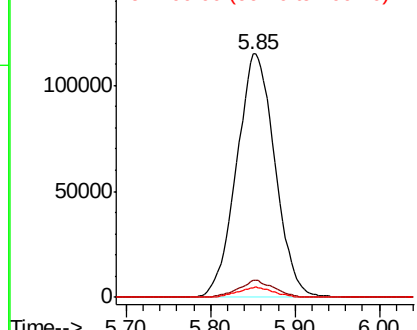
MMDadoda  
1/2/2019 9:48:49 AM



Abundance Ion 63.00 (62.70 to 63.70): VN053219.D (-1114) (-)

Ion 98.00 (97.70 to 98.70): VN053219.D (-1114) (-)

Ion 100.00 (99.70 to 100.70): VN053219.D (-1114) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.723 ug/l

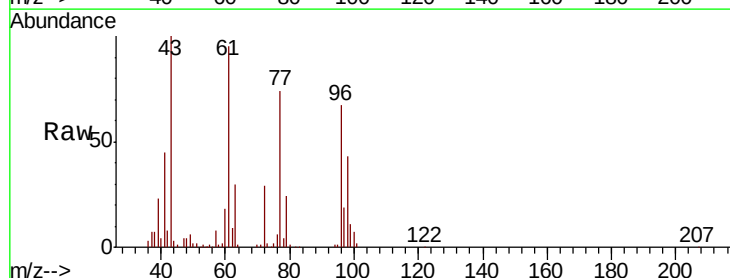
RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

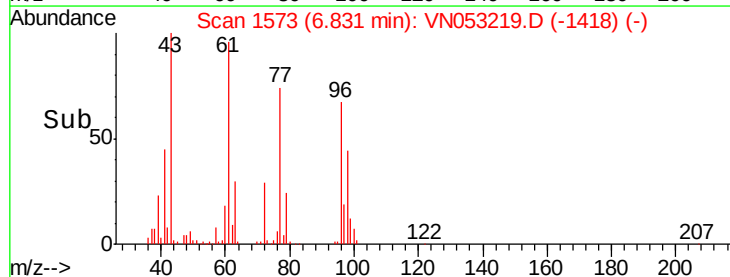
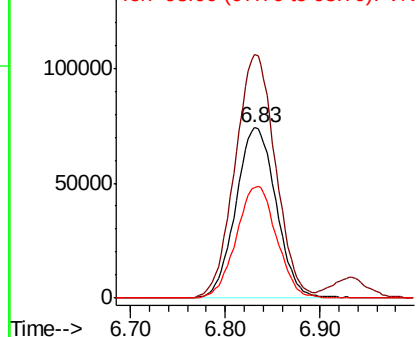
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 219333 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 143.8 | 116.7 | 175.1  |
| 98        | 65.6  | 50.8  | 76.2   |

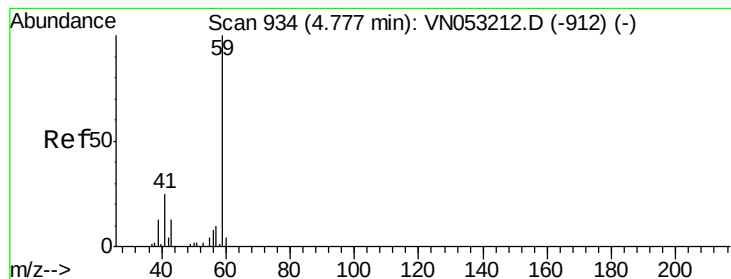


Abundance Ion 96.00 (95.70 to 96.70): VN053219.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN053219.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN053219.D (-1418) (-)





#23

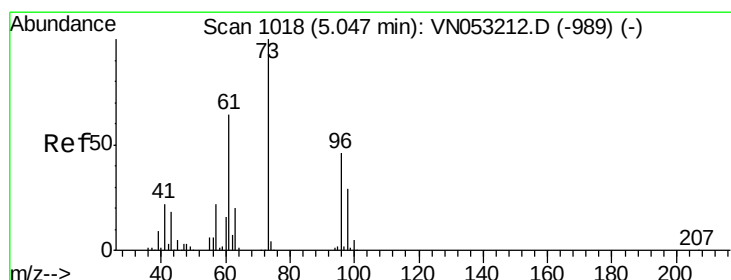
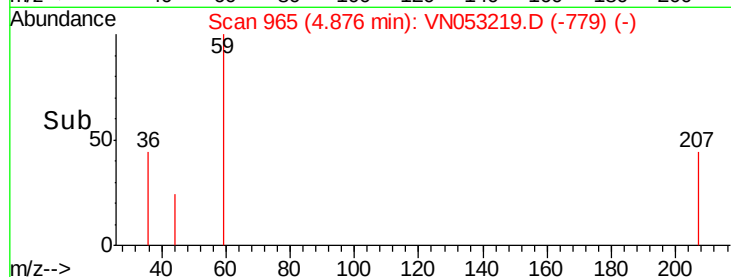
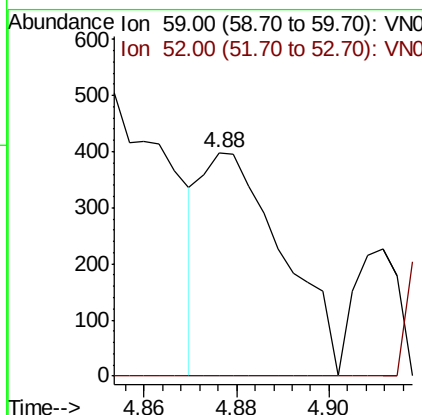
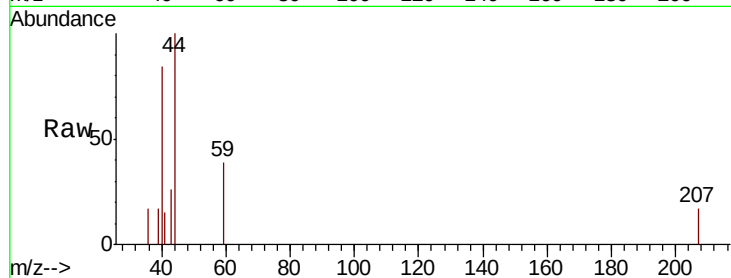
tert-Butyl Alcohol  
 Concen: 0.881 ug/l  
 RT: 4.88 min Scan# 965  
 Delta R.T. 0.10 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 52      | 0.0   | 0.0   | 0.0   |

Manual Integrations  
 APPROVED

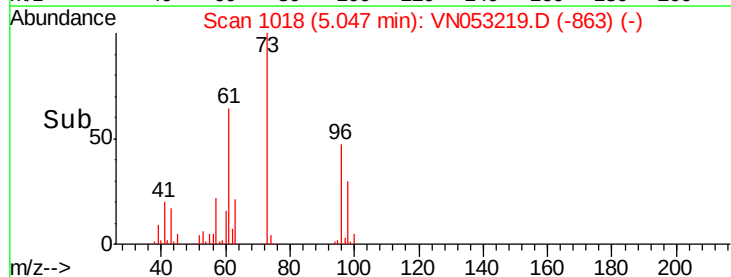
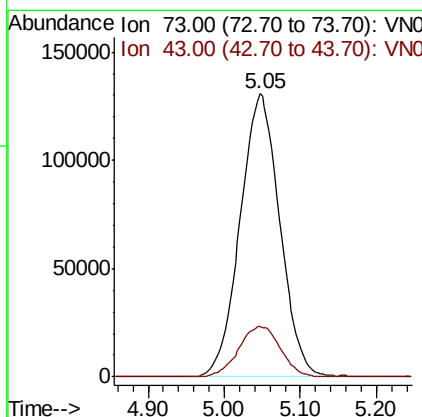
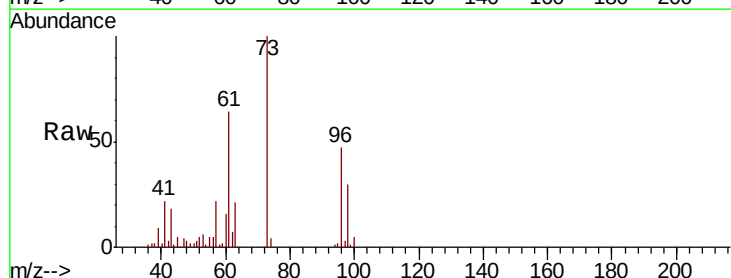
MMDadoda  
 1/2/2019 9:48:49 AM



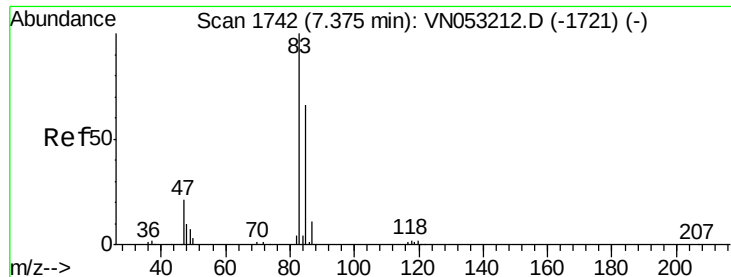
#24

Methyl tert-Butyl Ether  
 Concen: 19.461 ug/l  
 RT: 5.05 min Scan# 1018  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 18.3  | 15.8  | 23.8  |







#25

Chloroform

Concen: 19.835 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampled :

VN1228WBS01

Tot Ion: 83 Resp: 349360

Ion Ratio Lower Upper

83 100

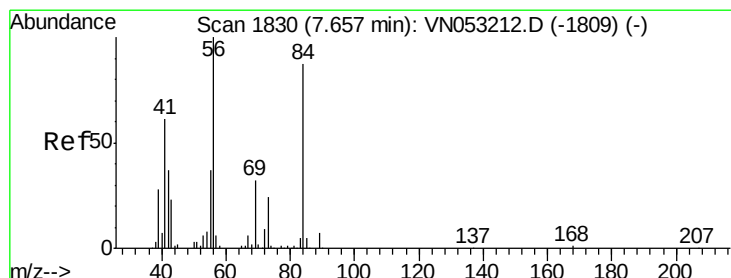
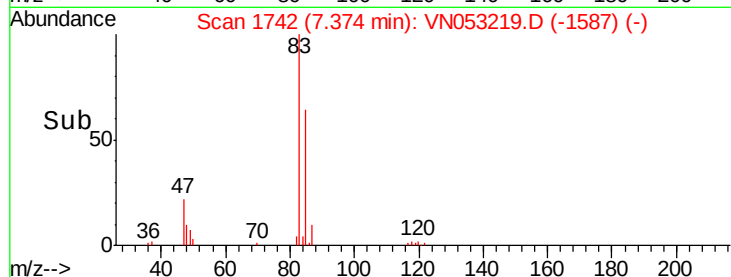
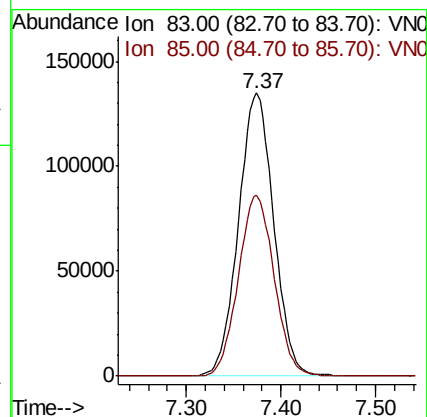
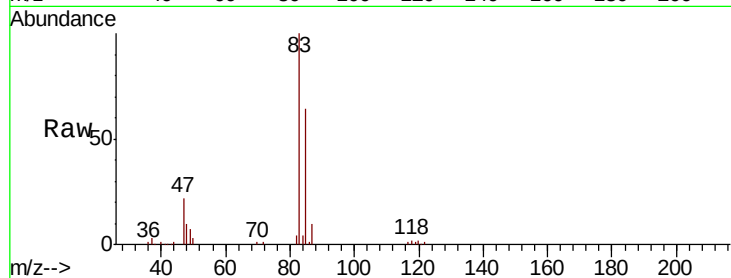
85 64.0 51.7 77.5

Manual Integrations

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#26

Cyclohexane

Concen: 19.599 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

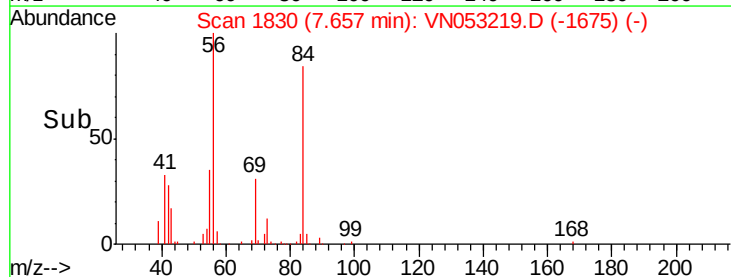
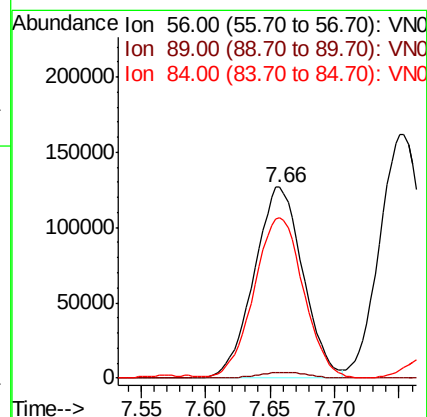
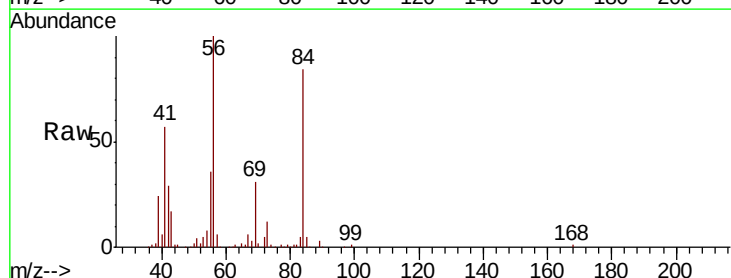
Tgt Ion: 56 Resp: 334965

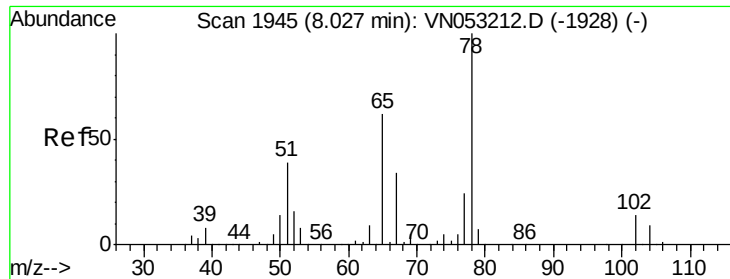
Ion Ratio Lower Upper

56 100

89 3.1 0.5 0.7#

84 84.2 66.2 99.2





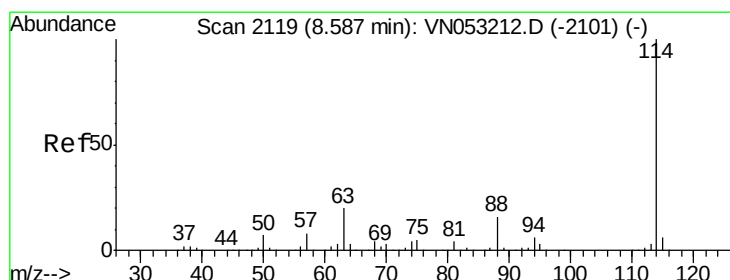
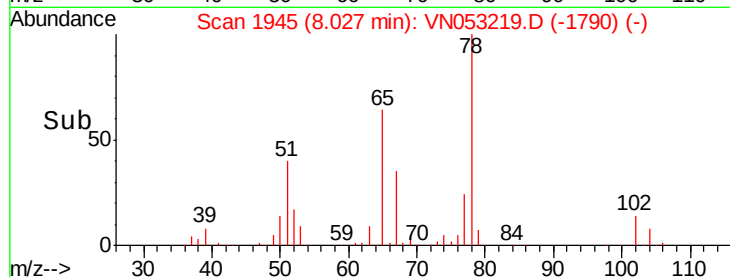
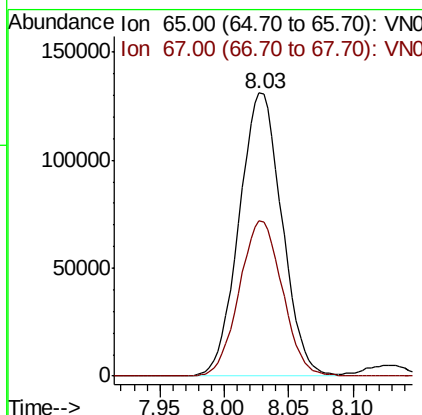
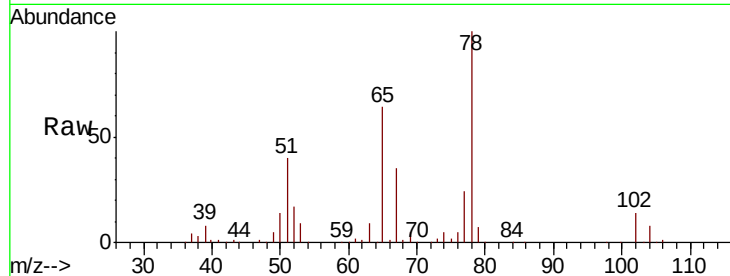
#27  
 1,2-Dichloroethane-d4  
 Concen: 19.599 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1228WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 55.1  | 44.6 | 66.8  |       |

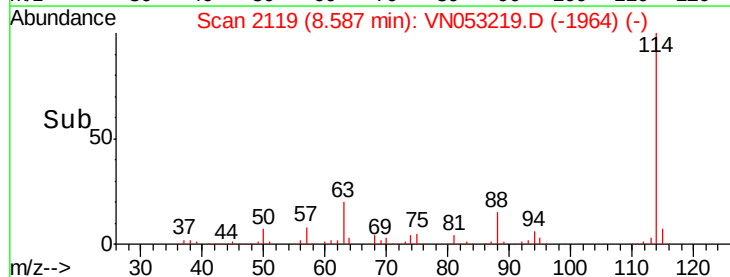
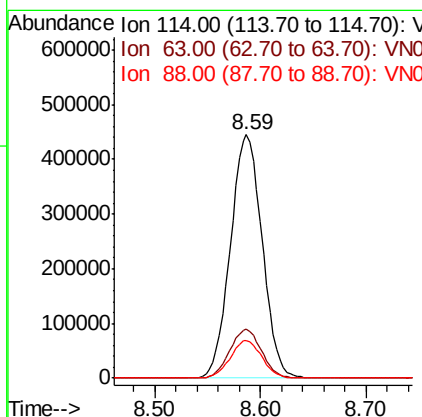
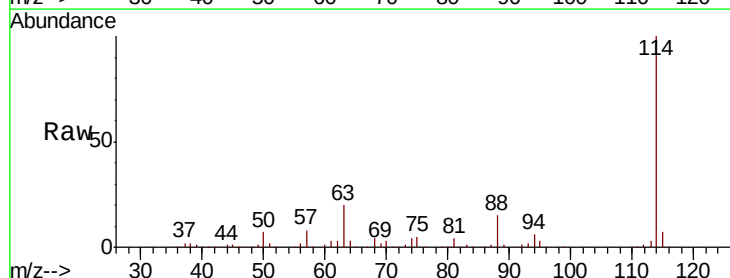
Manual Integrations  
 APPROVED

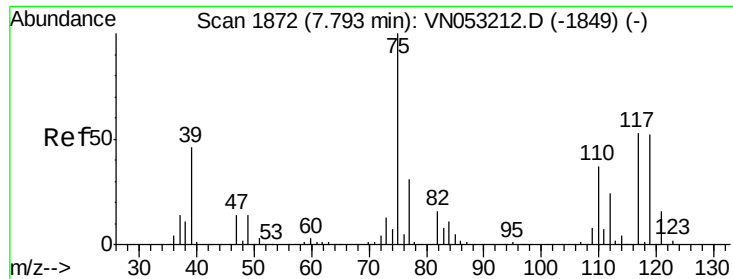
MMDadoda  
 1/2/2019 9:48:49 AM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 20.1  | 16.9 | 25.3  |       |
| 88      | 15.3  | 12.8 | 19.2  |       |





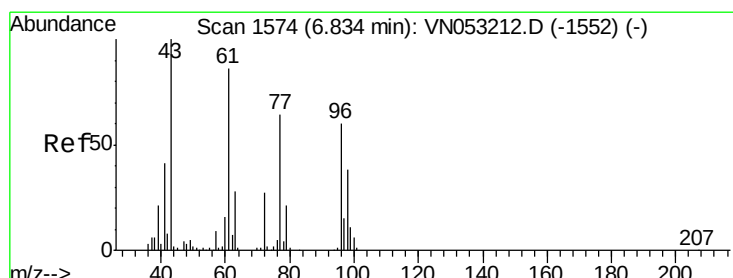
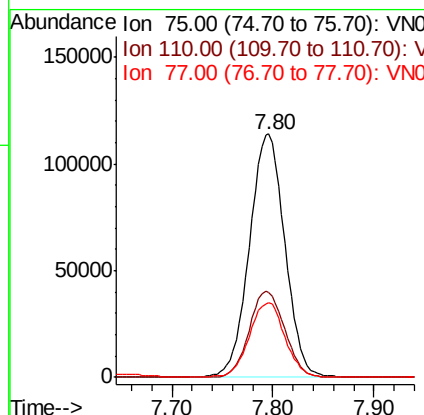
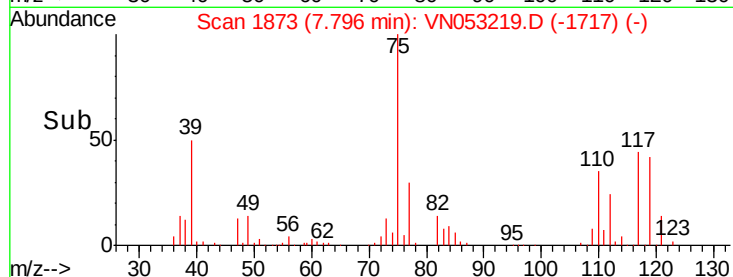
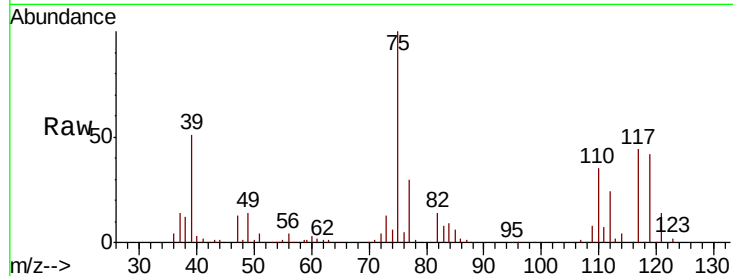
#29  
 1,1-Dichloropropene  
 Concen: 19.677 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN1228WBS01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 35.4  | 0.0        | 70.2  |
| 77      | 31.0  | 0.0        | 62.6  |

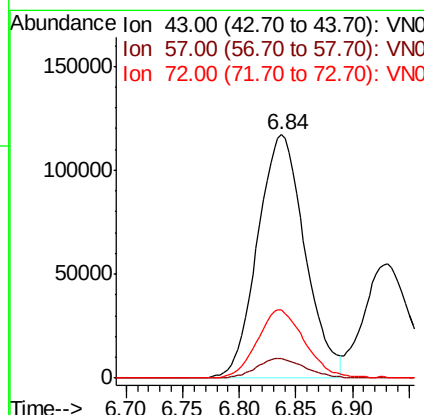
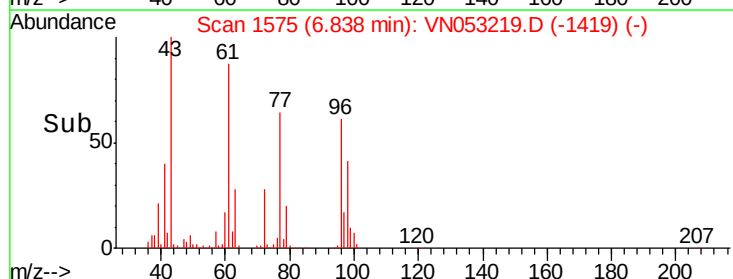
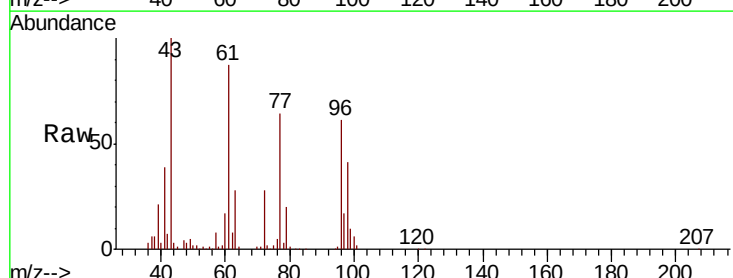
Manual Integrations  
 APPROVED

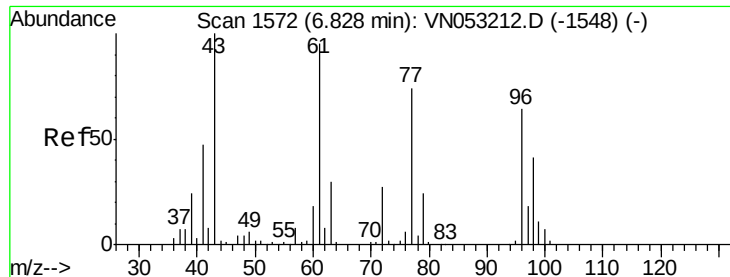
MMDadoda  
 1/2/2019 9:48:49 AM



#30  
 2-Butanone  
 Concen: 96.791 ug/l  
 RT: 6.84 min Scan# 1575  
 Delta R.T. 0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 8.3   | 6.2        | 9.4   |
| 72      | 28.1  | 21.0       | 31.6  |





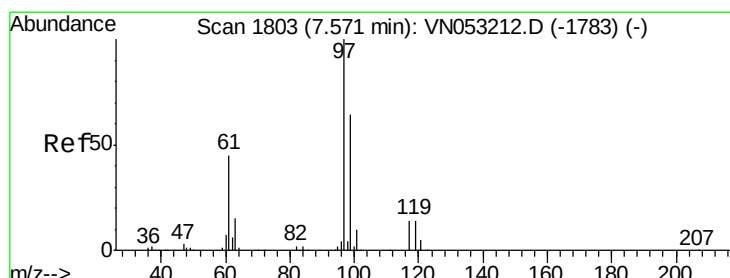
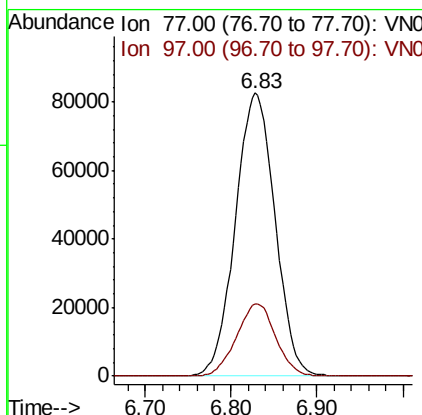
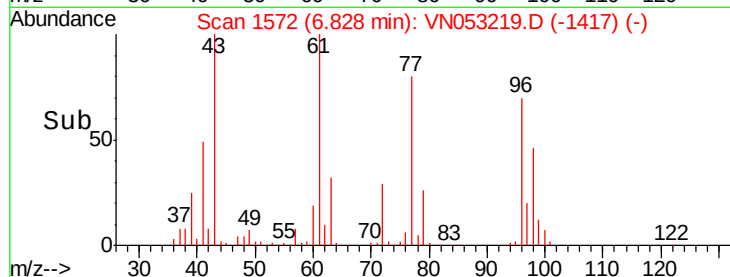
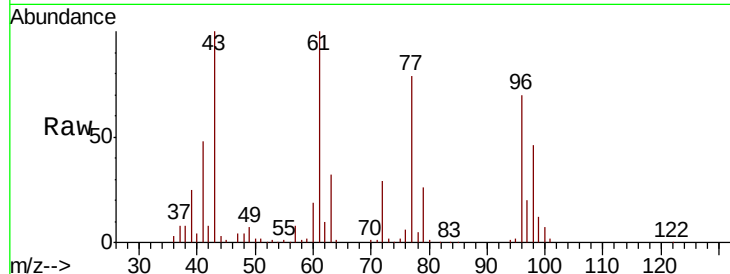
#31  
 2,2-Dichloropropane  
 Concen: 19.432 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 25.1  | 18.7  | 28.1  |

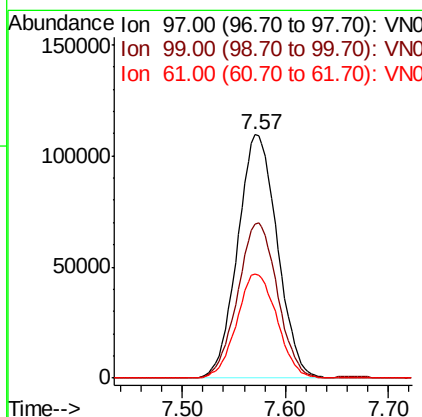
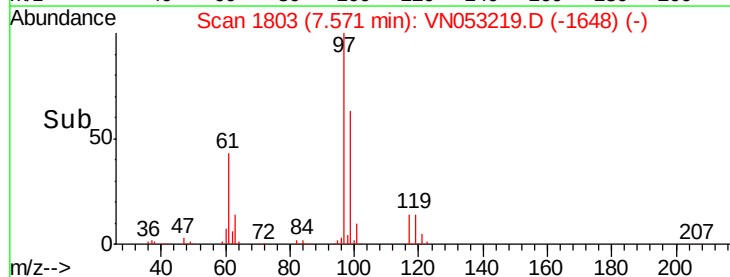
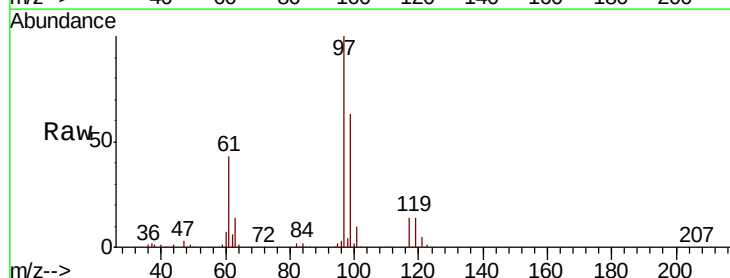
Manual Integrations  
 APPROVED

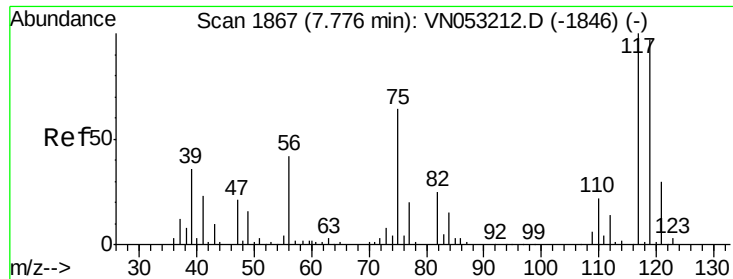
MMDadoda  
 1/2/2019 9:48:49 AM



#32  
 1,1,1-Trichloroethane  
 Concen: 19.883 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.8  | 50.9  | 76.3  |
| 61      | 43.4  | 38.1  | 57.1  |





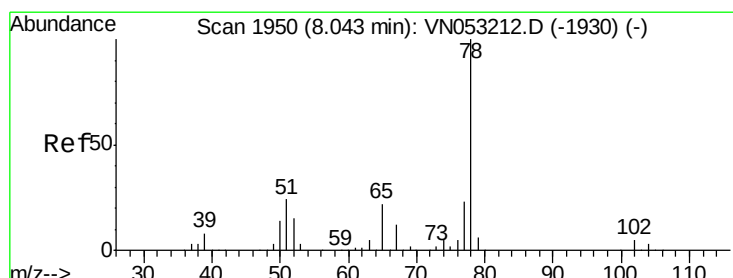
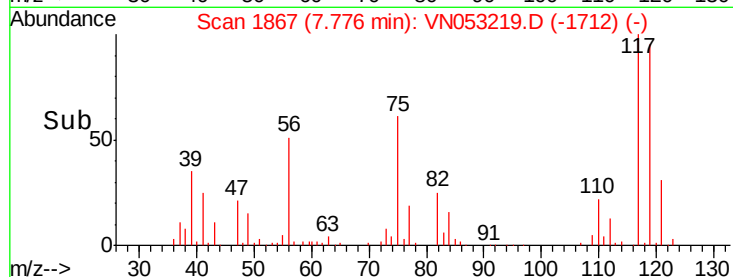
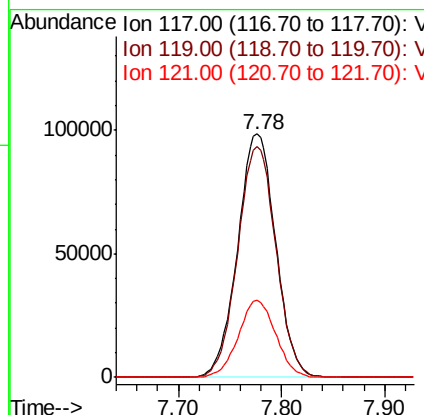
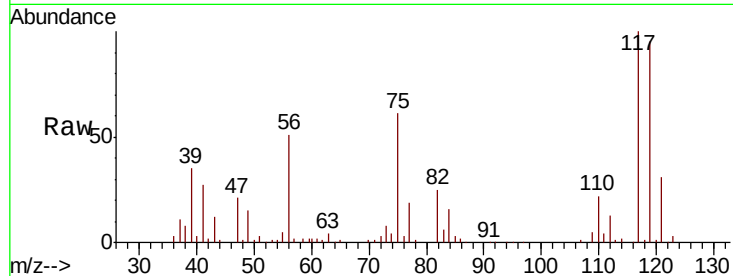
#33  
Carbon Tetrachloride  
Concen: 19.588 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.4  | 77.3  | 115.9 |
| 121     | 31.5  | 24.9  | 37.3  |

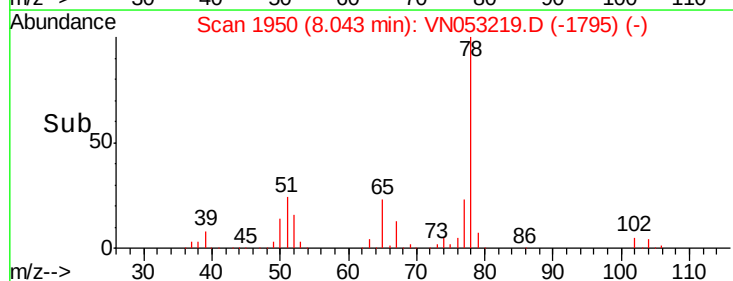
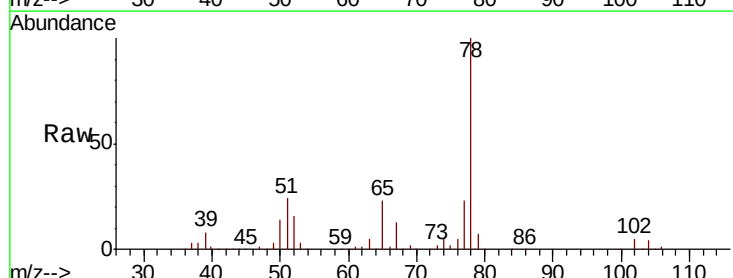
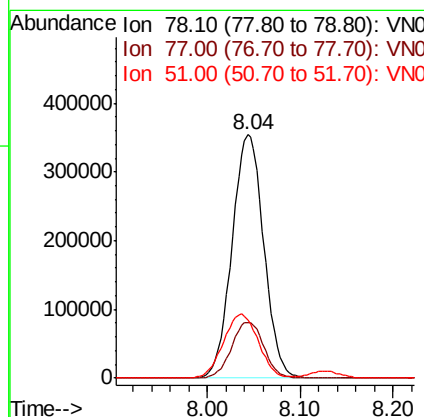
Manual Integrations  
APPROVED

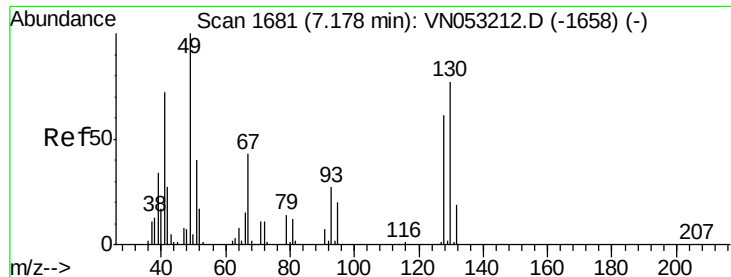
MMDadoda  
1/2/2019 9:48:49 AM



#34  
Benzene  
Concen: 19.851 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.0  | 19.0  | 28.6  |
| 51      | 23.9  | 20.5  | 30.7  |





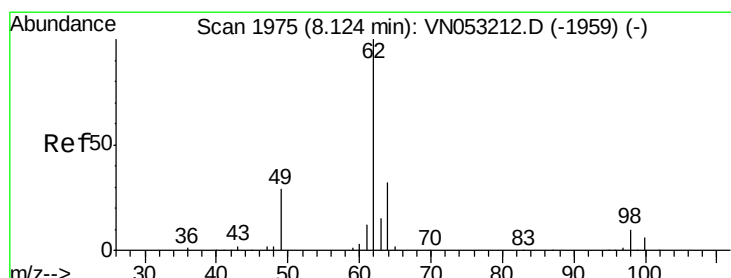
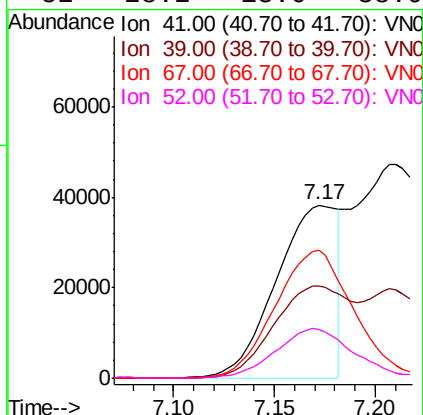
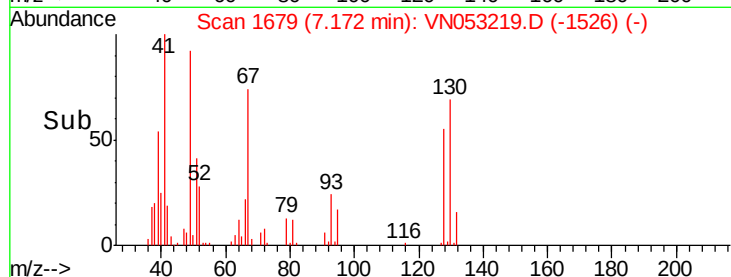
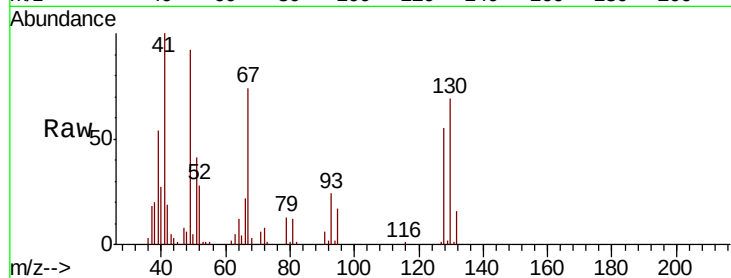
#35  
Methacrylonitrile  
Concen: 17.795 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. -0.01 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1228WBS01

| Tot Ion | 41    | Resp  | 80623 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 53.2  | 26.6  | 79.7  |
| 67      | 73.9  | 32.3  | 96.9  |
| 52      | 28.2  | 13.0  | 38.9  |

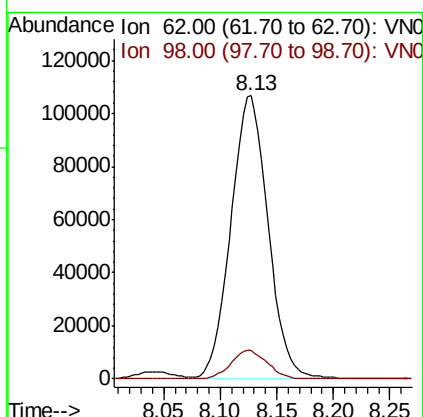
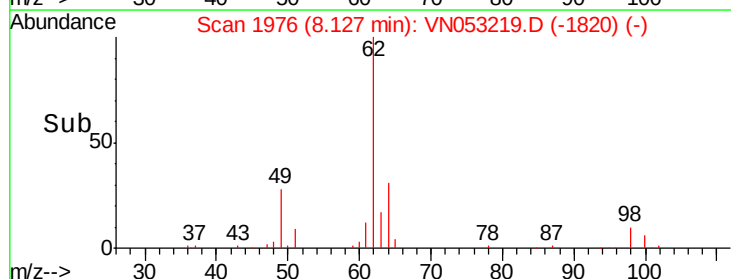
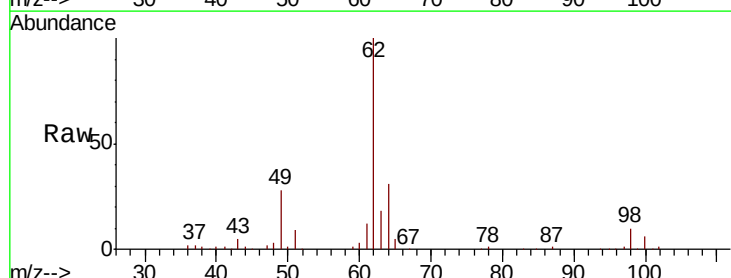
Manual Integrations  
APPROVED

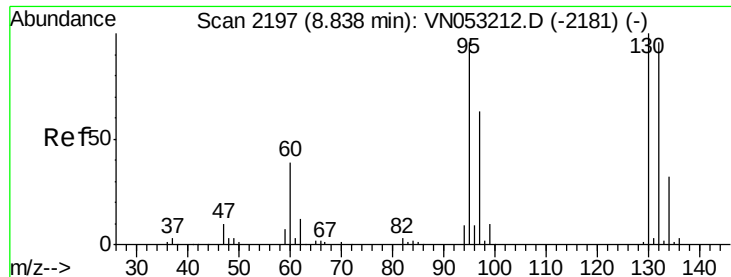
MMDadoda  
1/2/2019 9:48:49 AM



#36  
1,2-Dichloroethane  
Concen: 19.743 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | 62    | Resp  | 242413 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 9.9   | 7.4   | 11.2   |





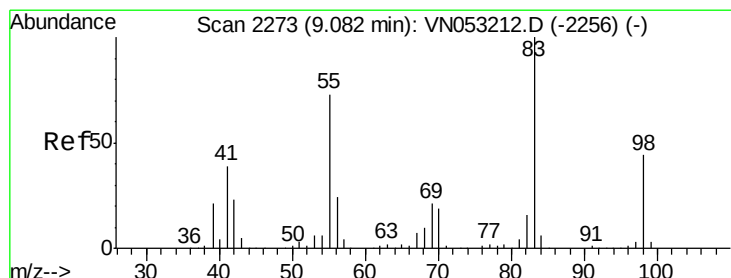
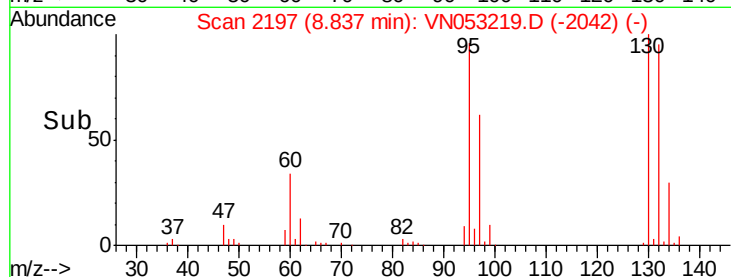
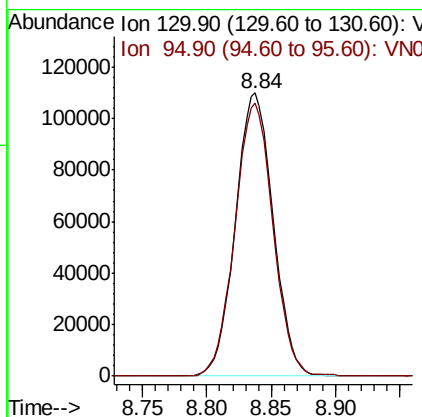
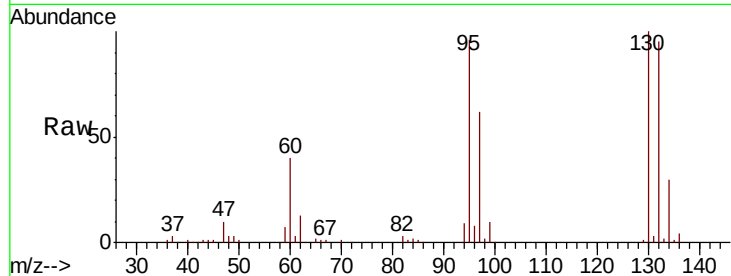
#37  
 Trichloroethene  
 Concen: 19.561 ug/l  
 RT: 8.84 min Scan# 2197  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1228WBS01

Tot Ion:130 Resp: 224125  
 Ion Ratio Lower Upper  
 130 100  
 95 96.4 81.0 121.4

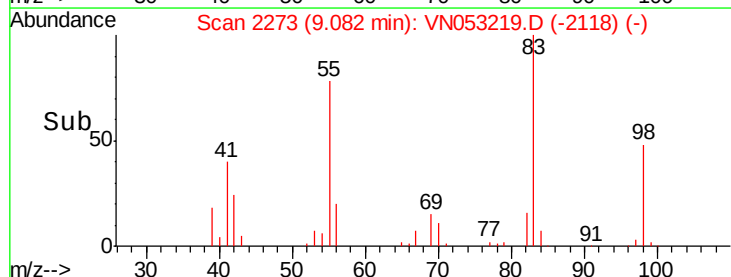
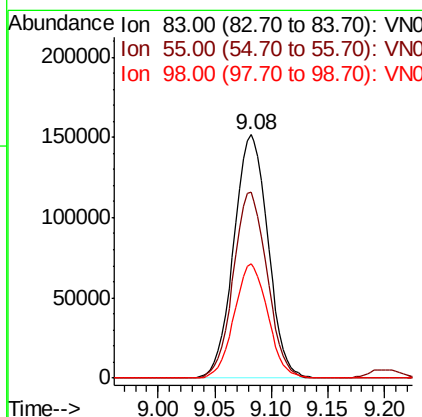
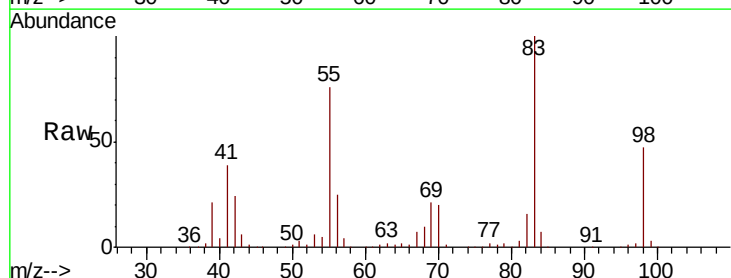
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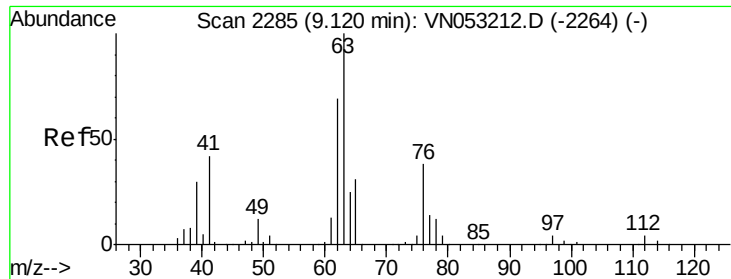
MMDadoda  
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#38  
 Methylcyclohexane  
 Concen: 19.412 ug/l  
 RT: 9.08 min Scan# 2273  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Tgt Ion: 83 Resp: 319528  
 Ion Ratio Lower Upper  
 83 100  
 55 75.5 39.8 119.4  
 98 46.1 22.9 68.5





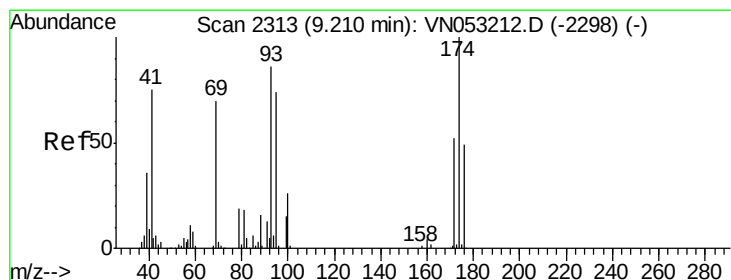
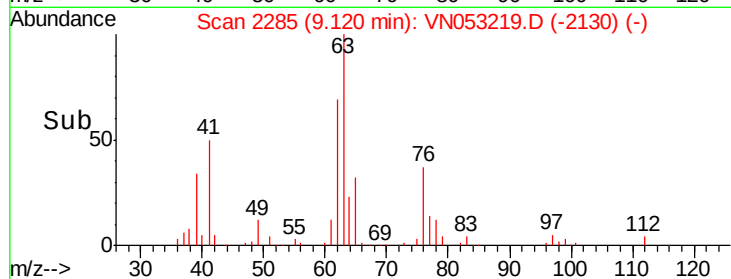
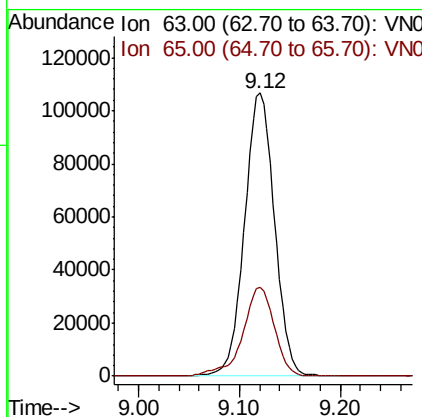
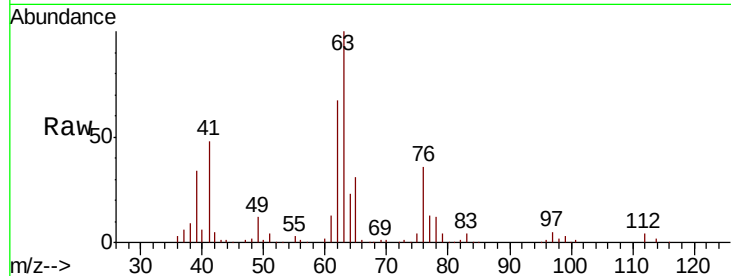
#39  
 1,2-Dichloropropane  
 Concen: 19.827 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.4  | 23.6  | 35.4  |

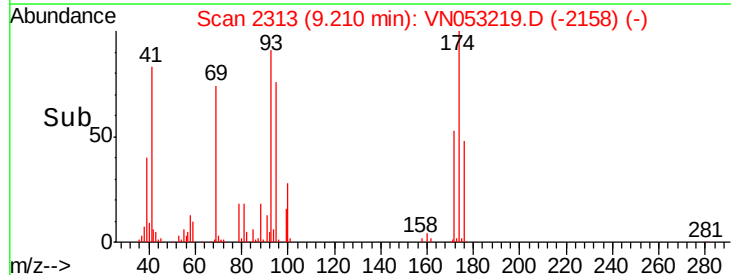
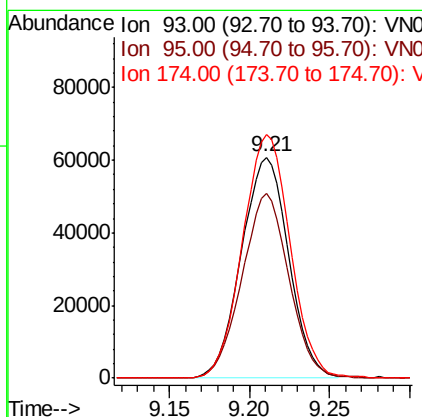
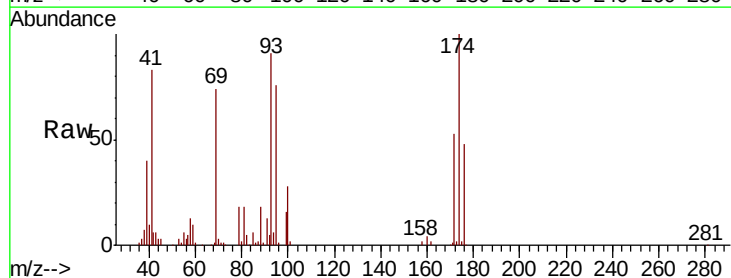
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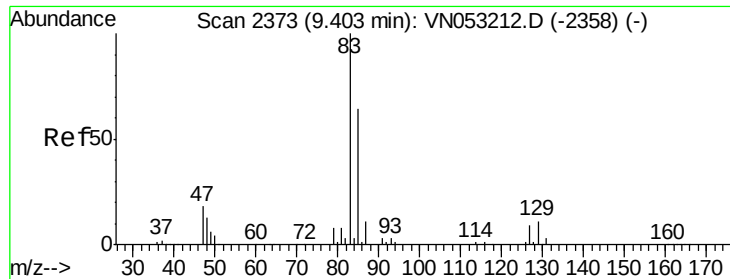


#40  
 Dibromomethane  
 Concen: 19.768 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.0  | 0.0   | 168.4 |
| 174     | 111.3 | 0.0   | 210.0 |







#41

Bromodichloromethane

Concen: 19.168 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VN1228WBS01

Tot Ion: 83 Resp: 257105  
Ion Ratio Lower Upper

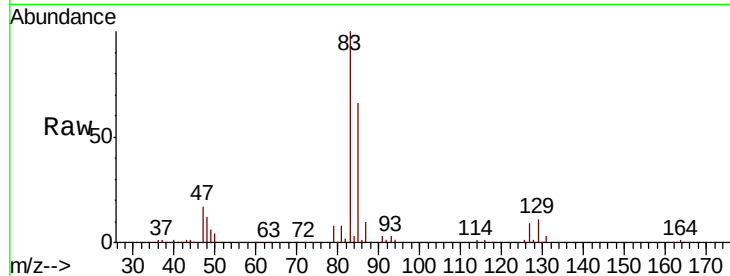
83 100

85 65.6 52.4 78.6

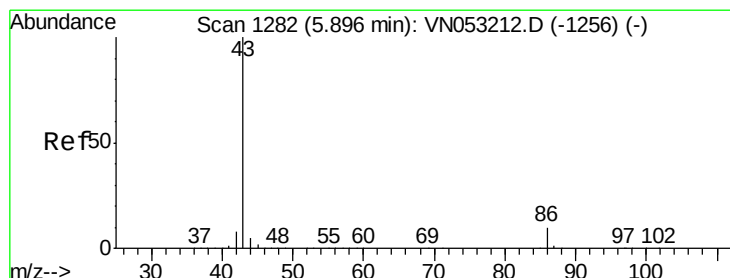
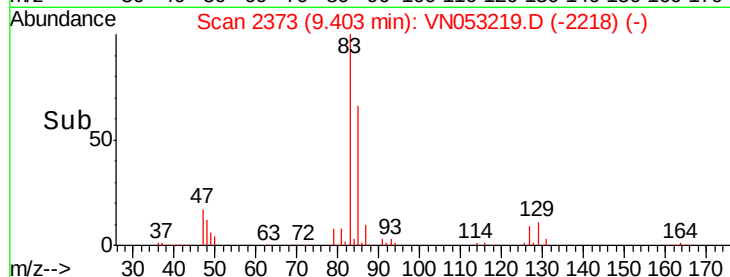
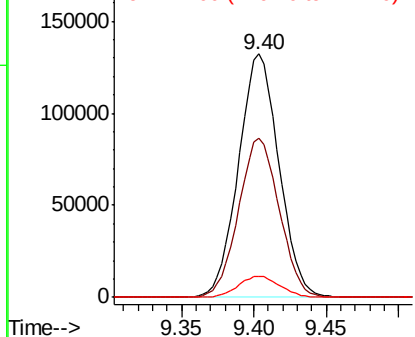
127 8.7 6.6 9.8

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Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 85.00 (84.70 to 85.70): VN0  
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 100.618 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

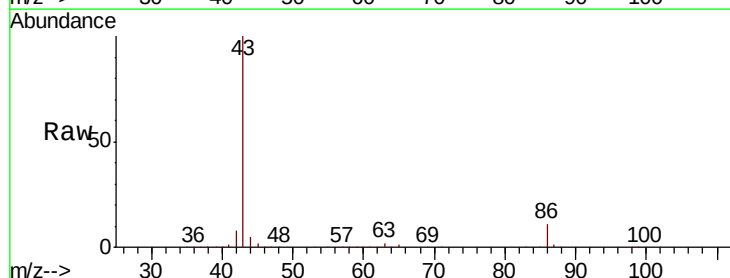
Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

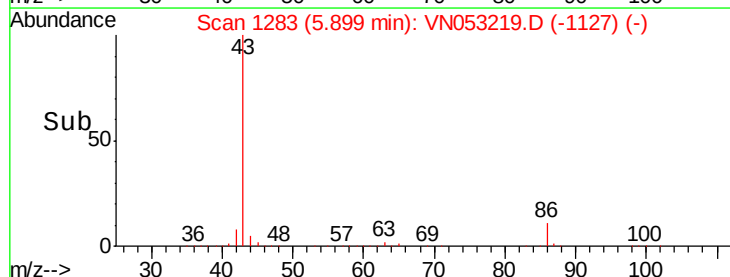
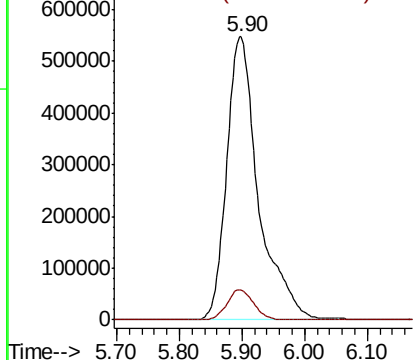
Tgt Ion: 43 Resp: 1927376  
Ion Ratio Lower Upper

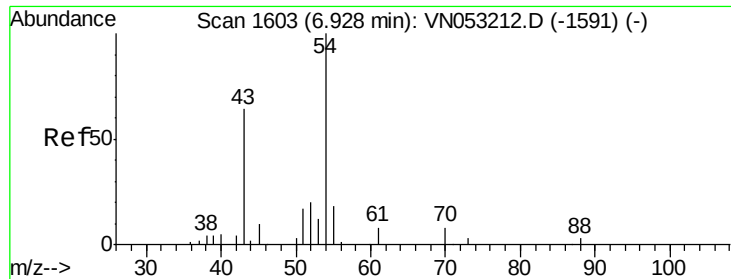
43 100

86 8.9 6.5 9.7



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





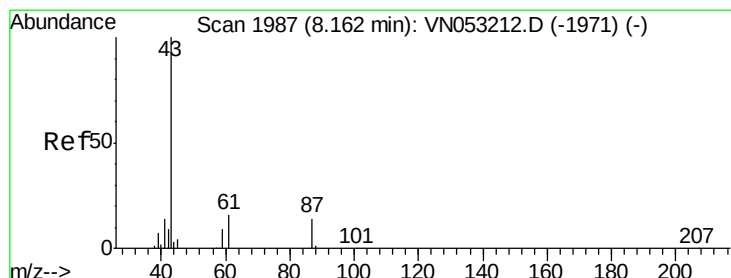
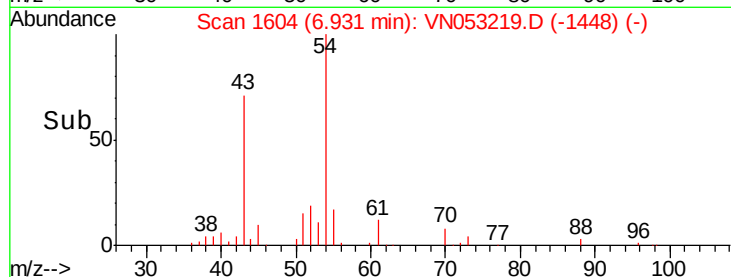
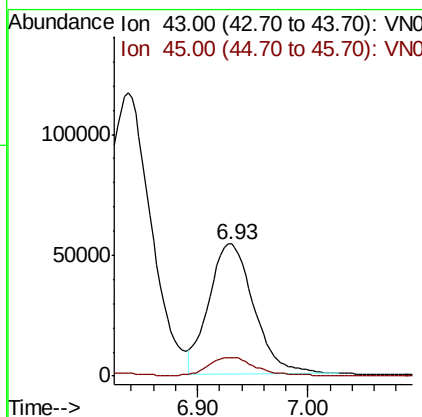
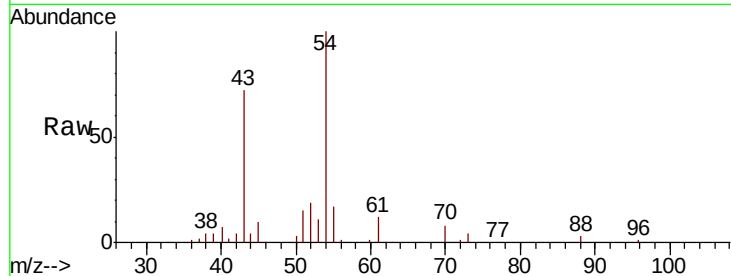
#43  
Ethyl Acetate  
Concen: 19.493 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

Tot Ion: 43 Resp: 152844  
Ion Ratio Lower Upper  
43 100  
45 7.2 1.0 1.6#

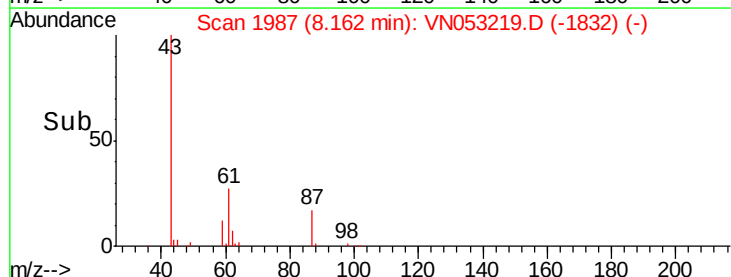
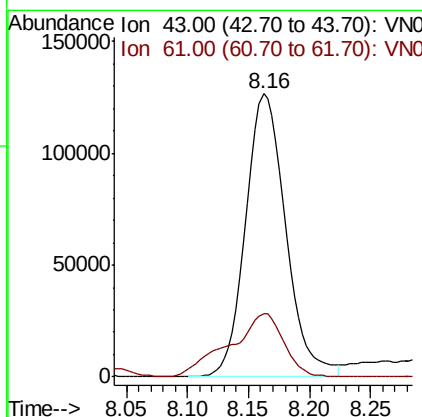
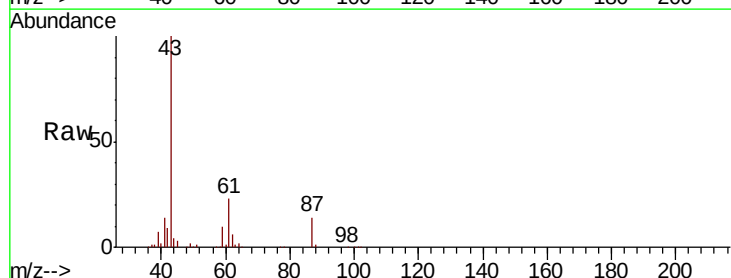
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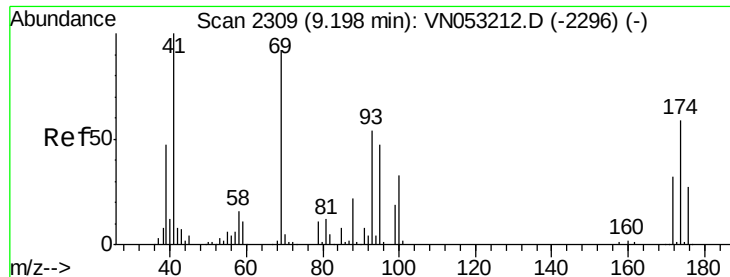
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#44  
Isopropyl Acetate  
Concen: 19.670 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Tgt Ion: 43 Resp: 287307  
Ion Ratio Lower Upper  
43 100  
61 30.5 16.0 24.0#





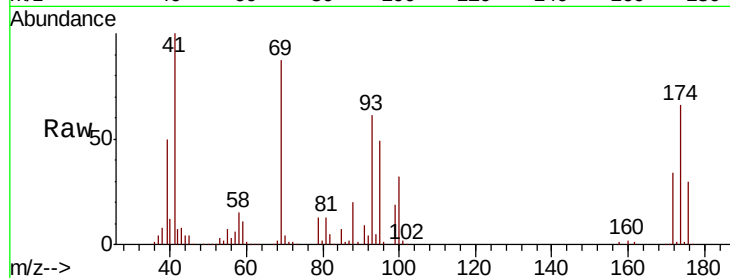
#45  
1,4-Dioxane  
Concen: 370.776 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.5  | 29.5  | 44.3  |
| 58      | 73.5  | 61.5  | 92.3  |

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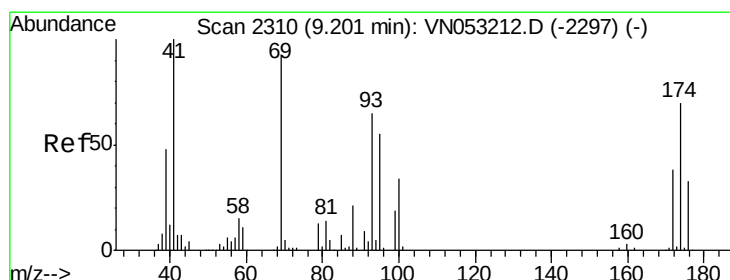
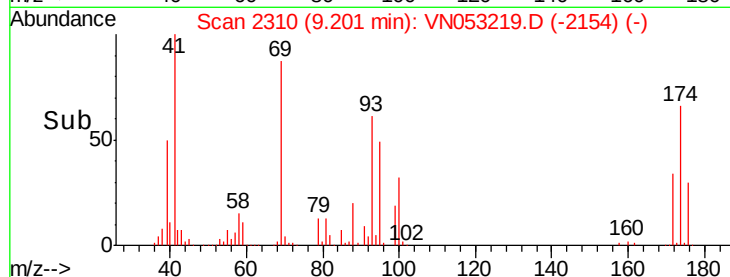
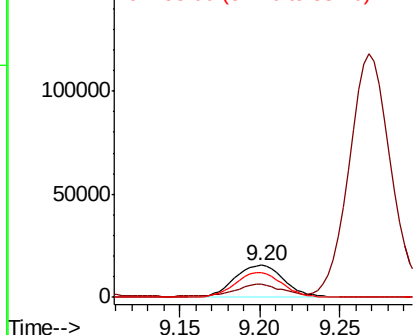


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46  
Methyl methacrylate  
Concen: 19.565 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

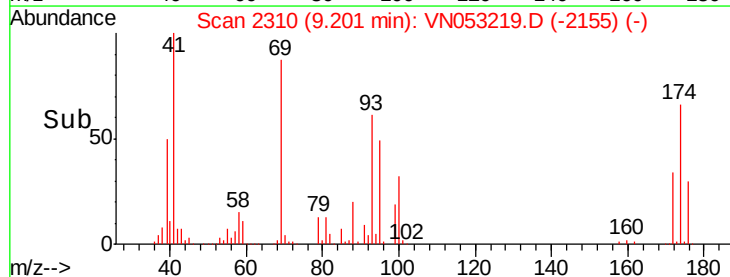
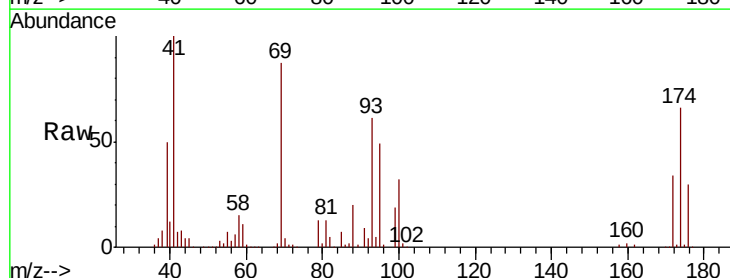
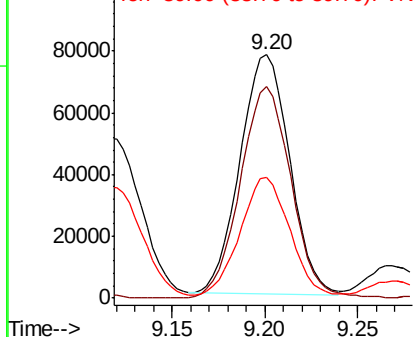
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 88.4  | 42.5  | 127.6 |
| 39      | 49.5  | 26.3  | 78.9  |

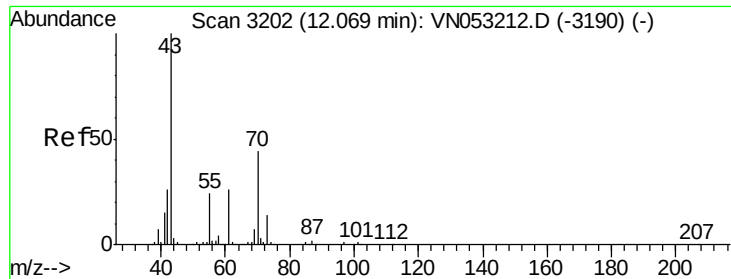
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 18.409 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampled :

VN1228WBS01

Tot Ion: 43 Resp: 236131

Ion Ratio Lower Upper

43 100

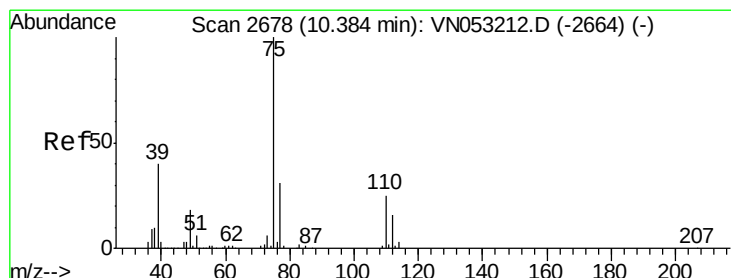
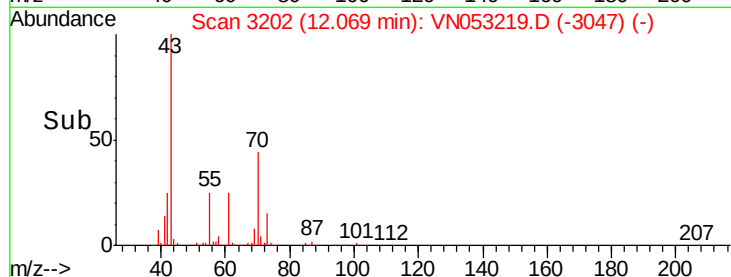
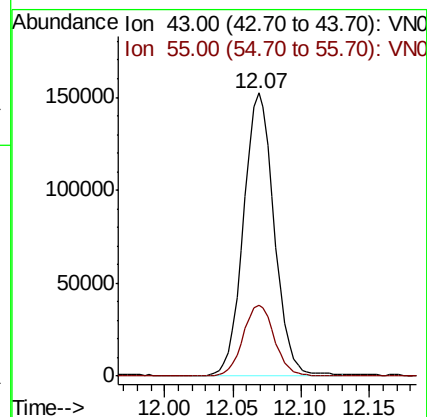
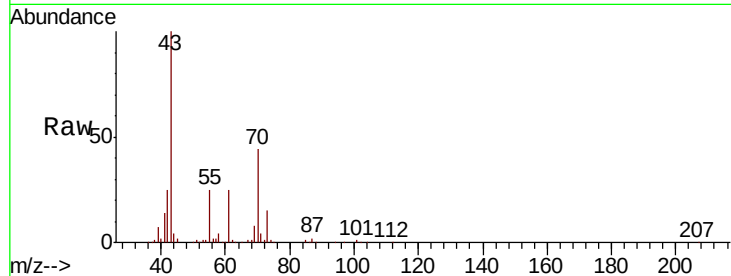
55 25.8 21.1 31.7

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#48

t-1,3-Dichloropropene

Concen: 18.937 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053219.D

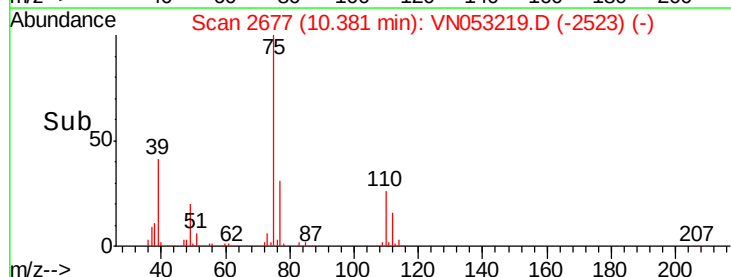
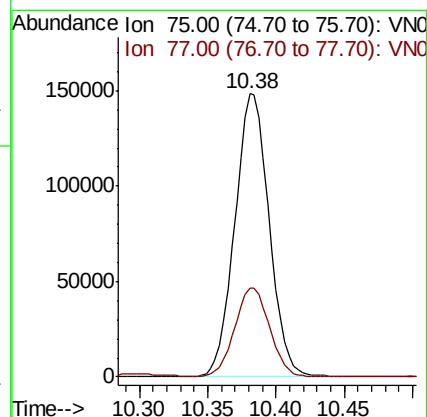
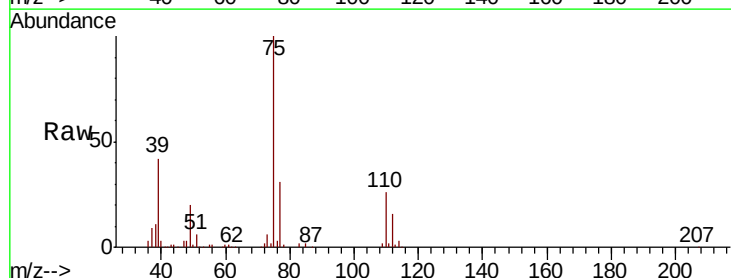
Acq: 28 Dec 2018 12:16

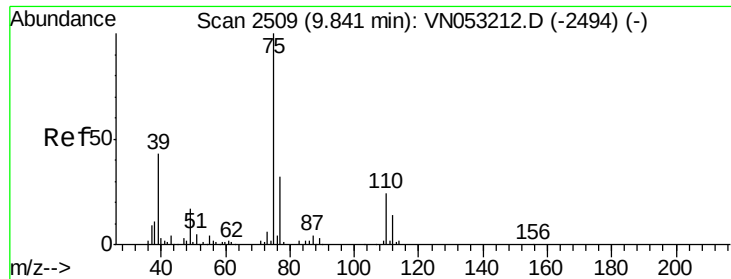
Tgt Ion: 75 Resp: 259255

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4





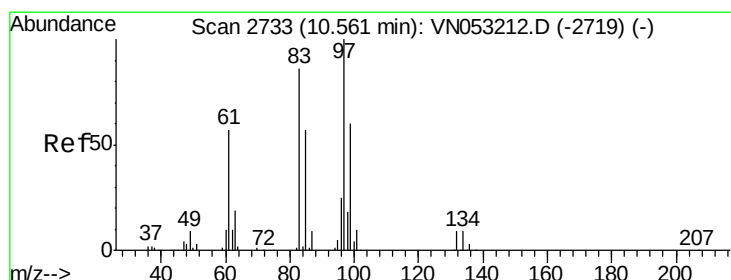
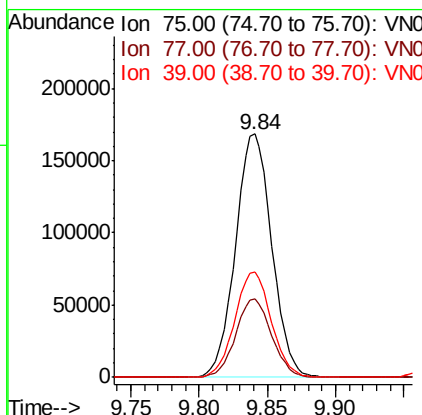
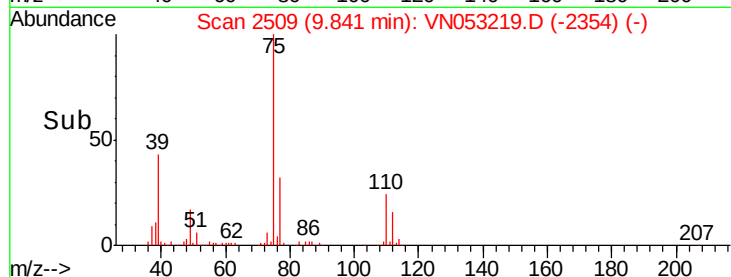
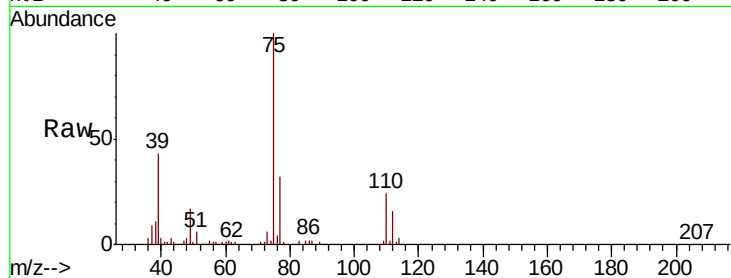
#49  
 cis-1,3-Dichloropropene  
 Concen: 19.303 ug/l  
 RT: 9.84 min Scan# 2509  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.2  | 25.4  | 38.0  |
| 39      | 43.3  | 37.3  | 55.9  |

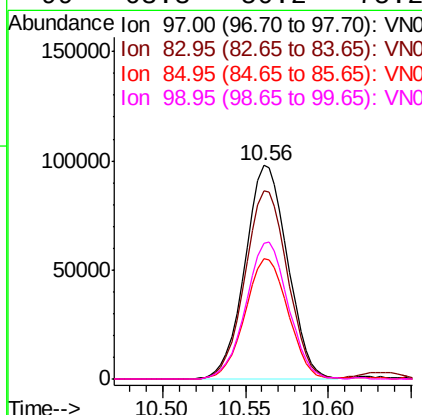
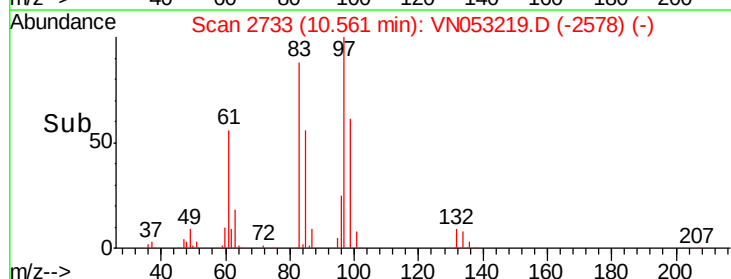
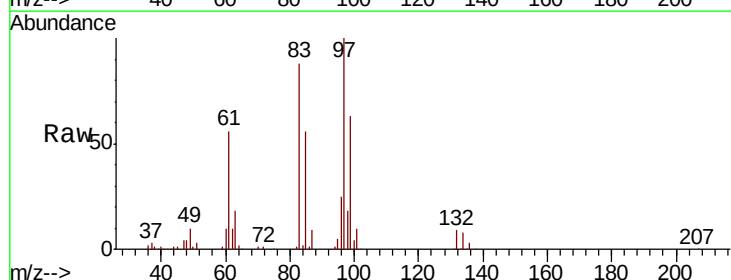
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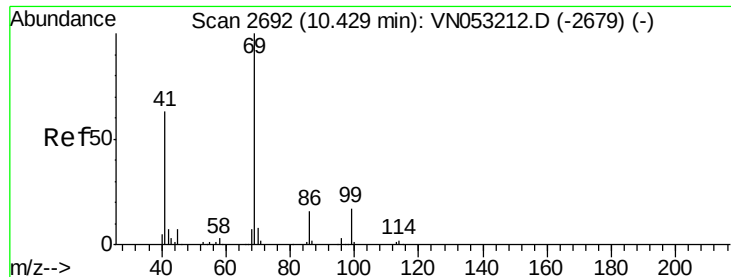
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#50  
 1,1,2-Trichloroethane  
 Concen: 19.500 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.2  | 70.4  | 105.6 |
| 85      | 56.1  | 45.0  | 67.6  |
| 99      | 63.3  | 50.2  | 75.2  |





#51

Ethyl methacrylate

Concen: 19.316 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

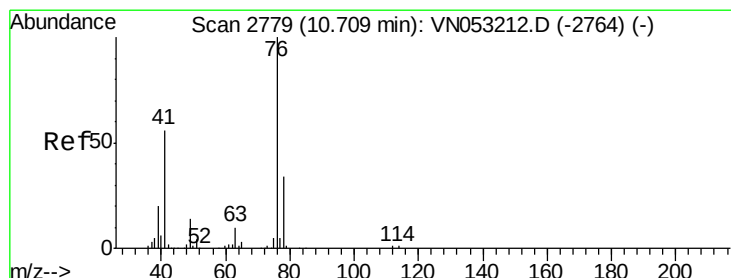
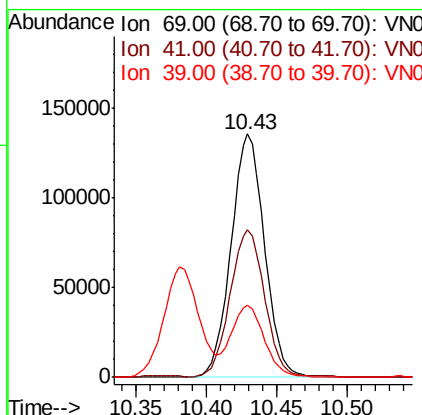
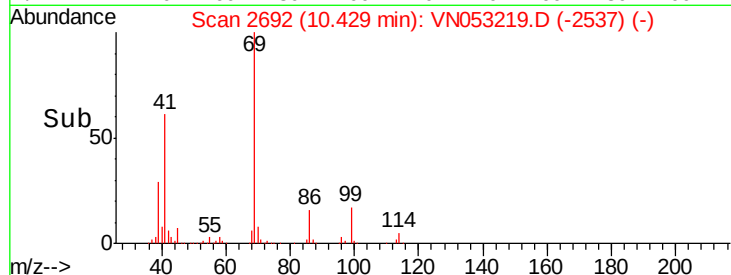
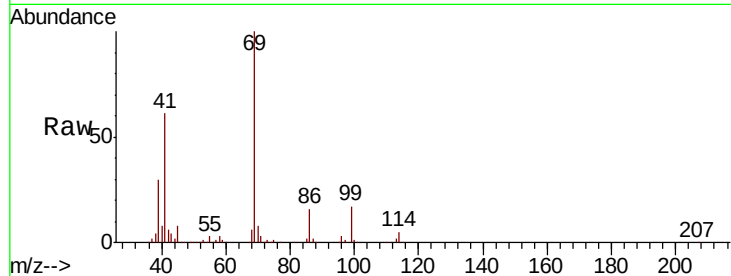
ClientSampleId :

VN1228WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 69    | Resp: | 225447 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 60.4  | 34.4  | 103.3  |
| 39       | 29.4  | 16.4  | 49.2   |

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#52

1,3-Dichloropropane

Concen: 19.710 ug/l

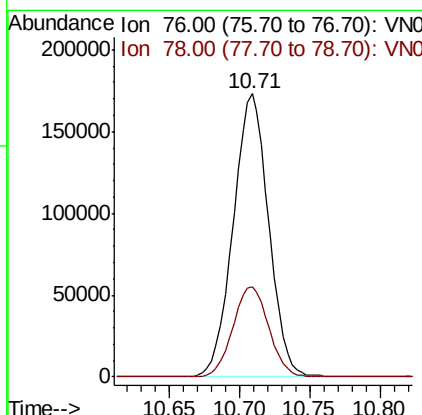
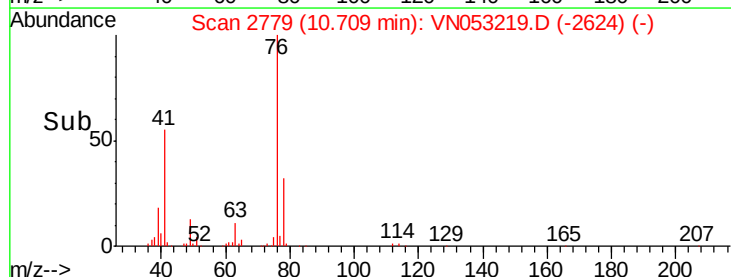
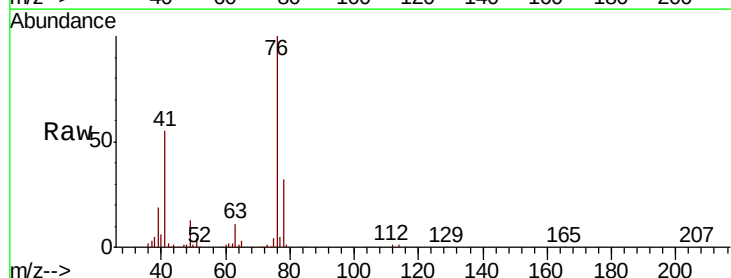
RT: 10.71 min Scan# 2779

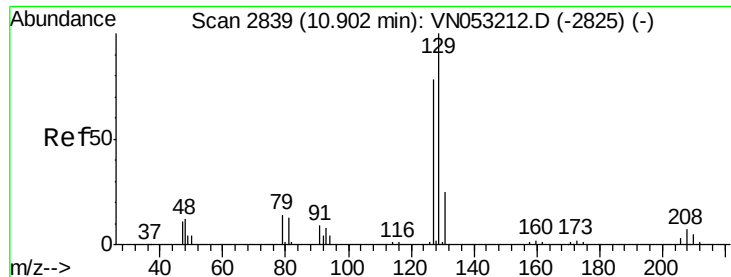
Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 304074 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 32.4  | 0.0   | 64.8   |





#53

Dibromochloromethane

Concen: 19.327 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VN1228WBS01

Tot Ion:129 Resp: 194400

Ion Ratio Lower Upper

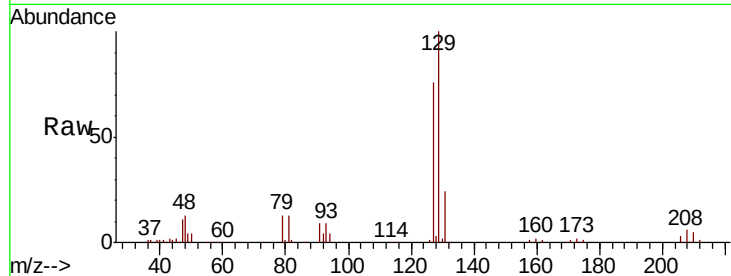
129 100

127 75.7 37.6 112.8

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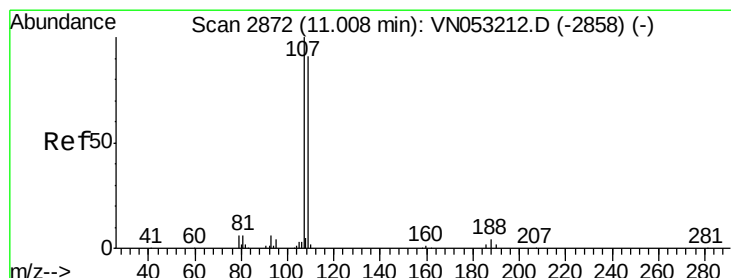
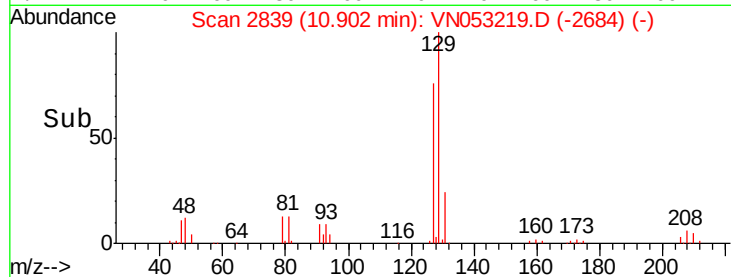
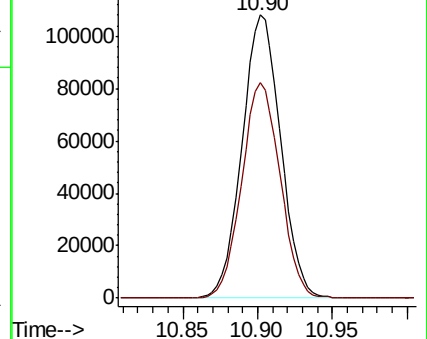
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.195 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053219.D

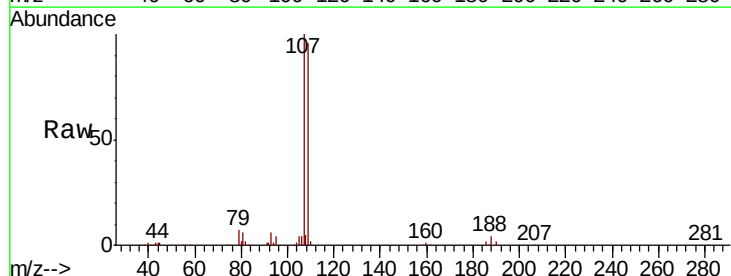
Acq: 28 Dec 2018 12:16

Tgt Ion:107 Resp: 173414

Ion Ratio Lower Upper

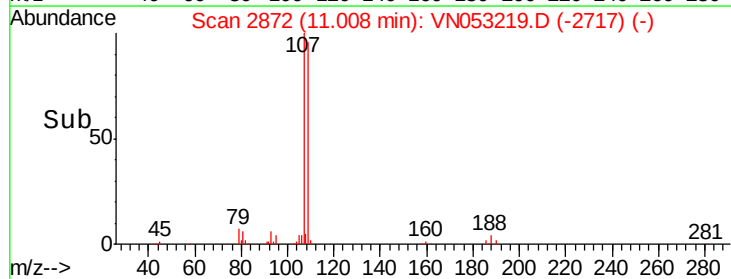
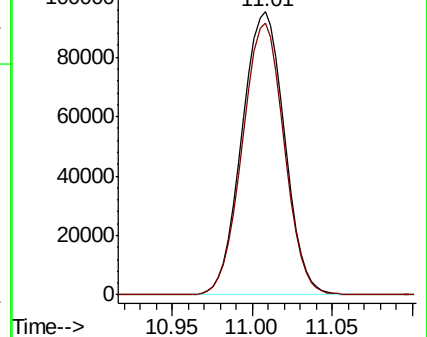
107 100

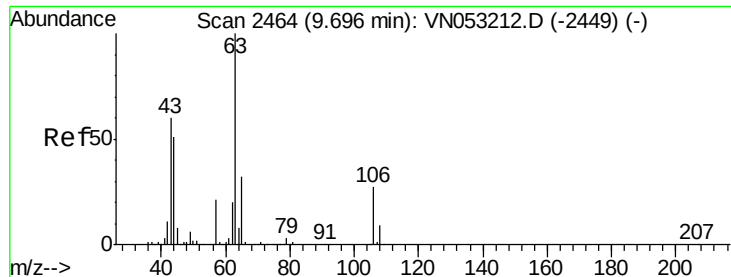
109 94.2 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





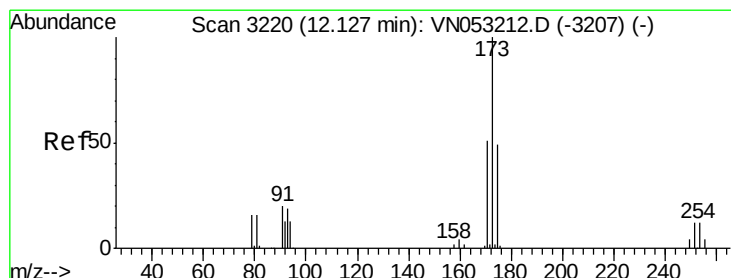
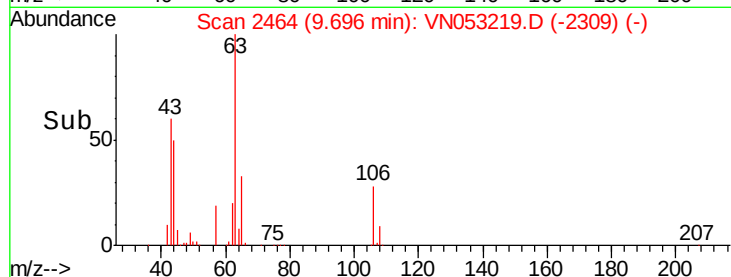
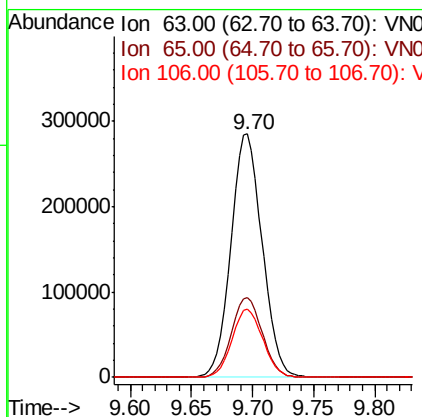
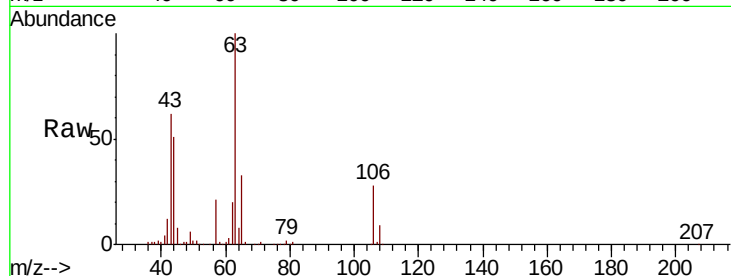
#55  
 2-Chloroethyl vinyl ether  
 Concen: 75.900 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.6  | 25.4  | 38.2  |
| 106     | 27.6  | 20.4  | 30.6  |

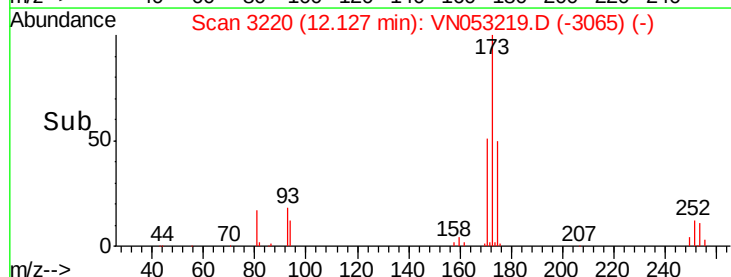
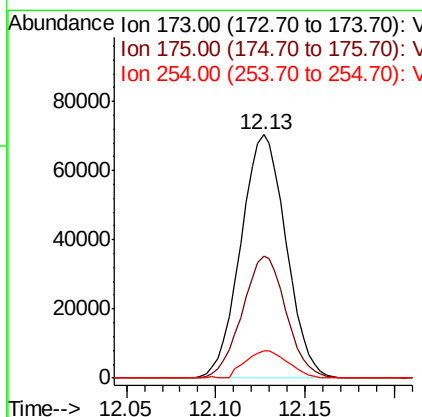
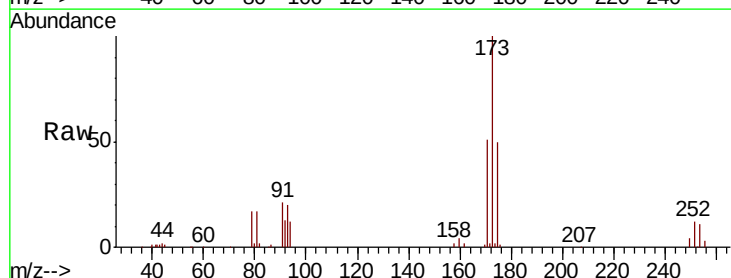
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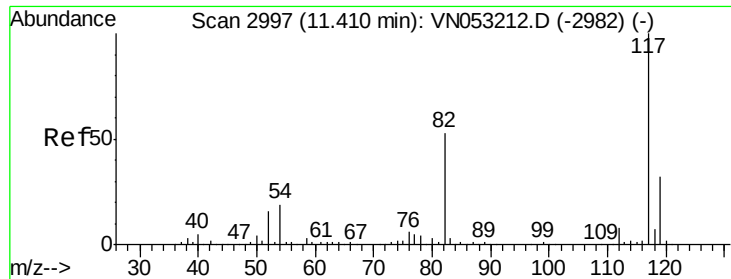


#56  
 Bromoform  
 Concen: 18.202 ug/l  
 RT: 12.13 min Scan# 3220  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 38.7  | 58.1  |
| 254     | 10.5  | 8.4   | 12.6  |







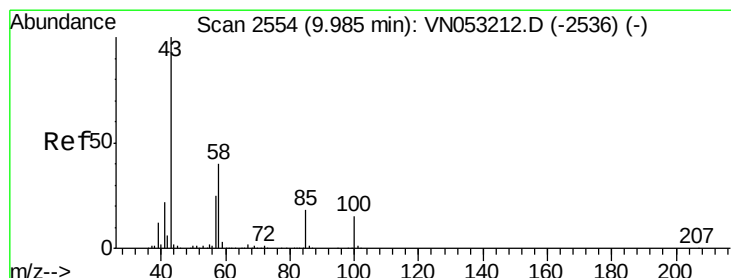
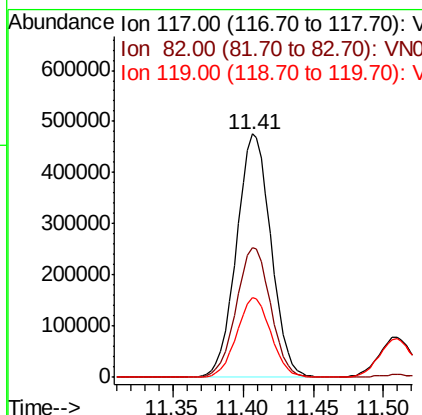
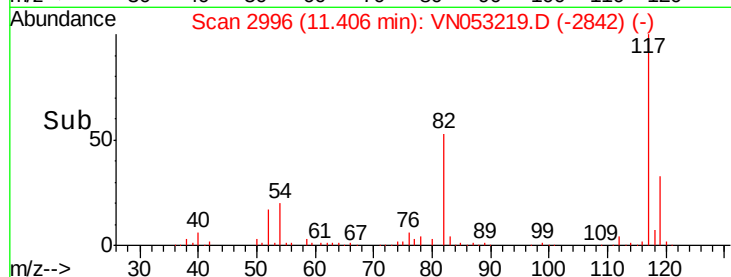
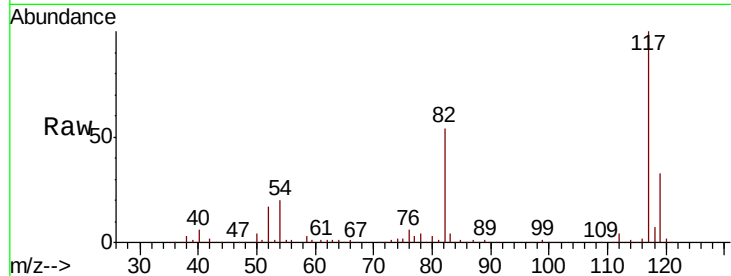
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.5  | 44.2  | 66.2  |
| 119     | 32.4  | 25.4  | 38.2  |

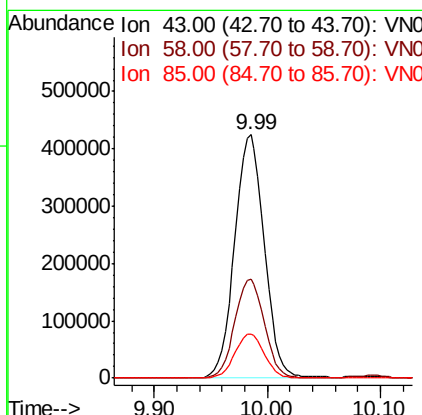
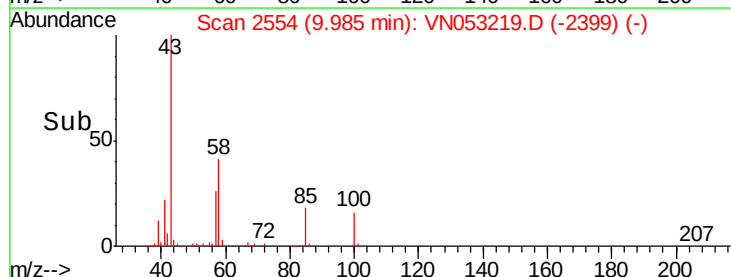
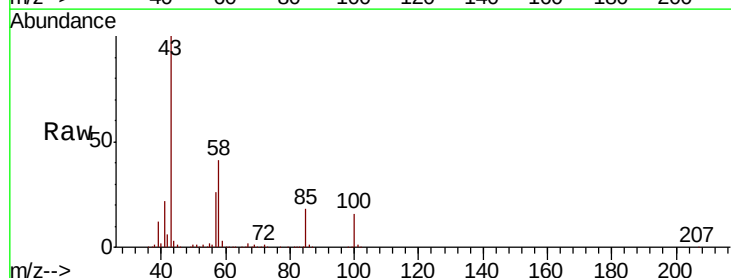
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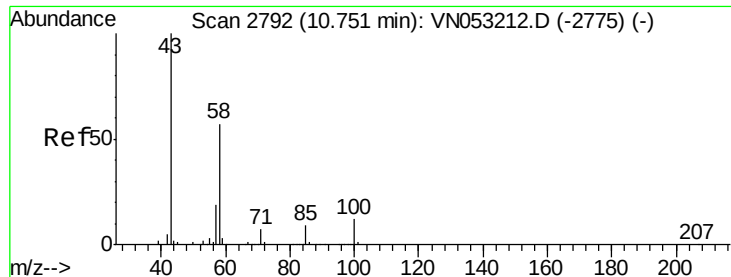
MMDadoda  
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#58  
4-Methyl-2-Pentanone  
Concen: 99.544 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.8  | 31.6  | 47.4  |
| 85      | 18.2  | 13.3  | 19.9  |





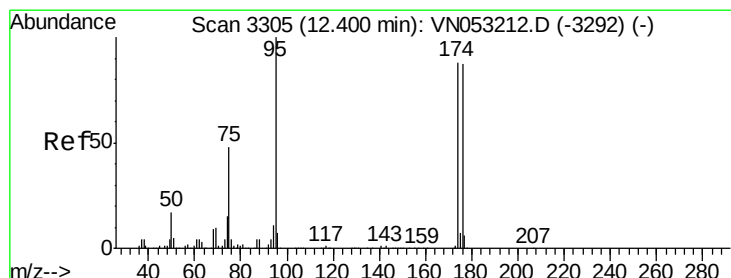
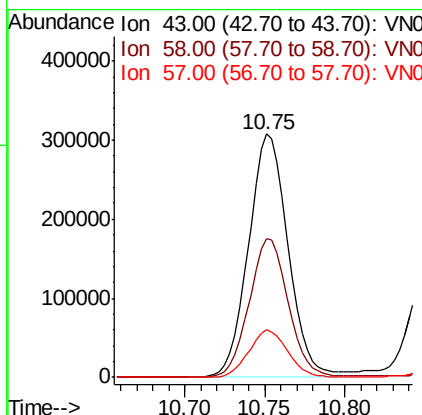
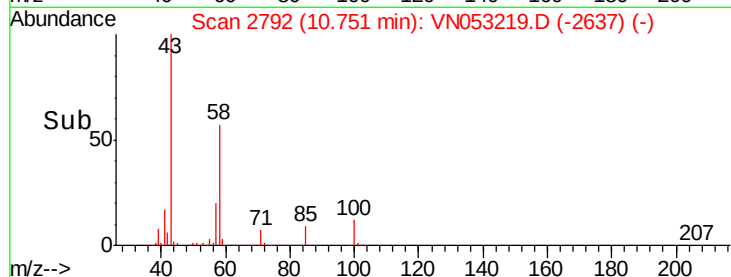
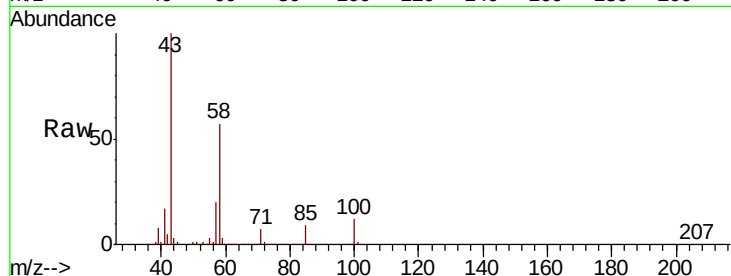
#59  
2-Hexanone  
Concen: 97.163 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 57.0  | 43.2  | 64.8  |
| 57      | 19.3  | 14.9  | 22.3  |

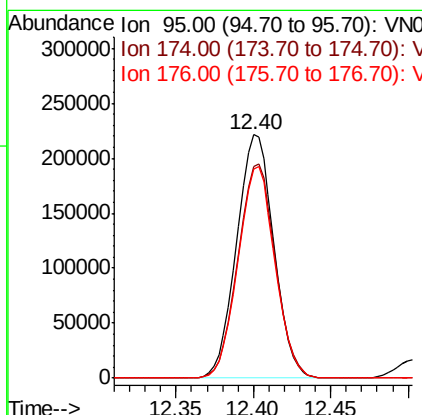
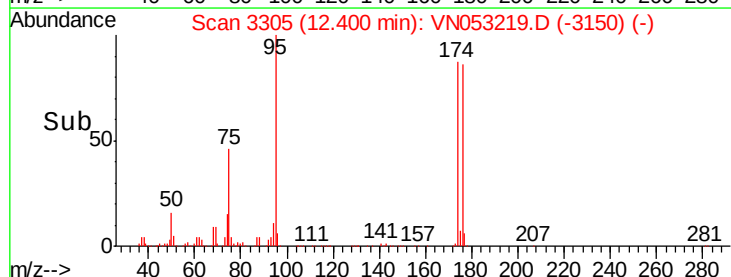
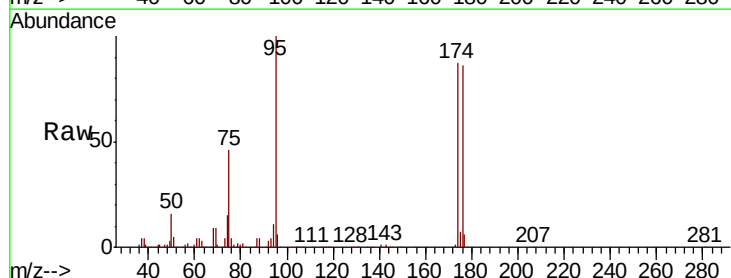
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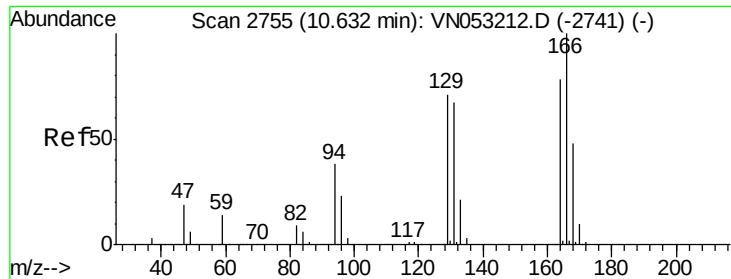
MMDadoda  
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#60  
4-Bromofluorobenzene  
Concen: 97.163 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 88.5  | 67.9  | 101.9 |
| 176     | 86.4  | 66.4  | 99.6  |





#61

Tetrachloroethene

Concen: 19.825 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VN1228WBS01

Tot Ion:164 Resp: 238899

Ion Ratio Lower Upper

164 100

166 126.9 104.6 157.0

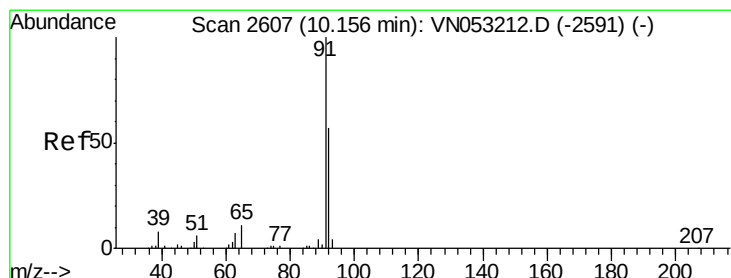
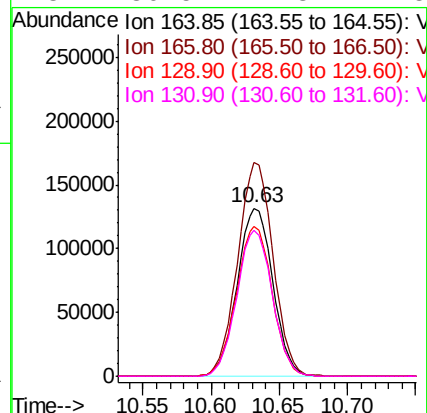
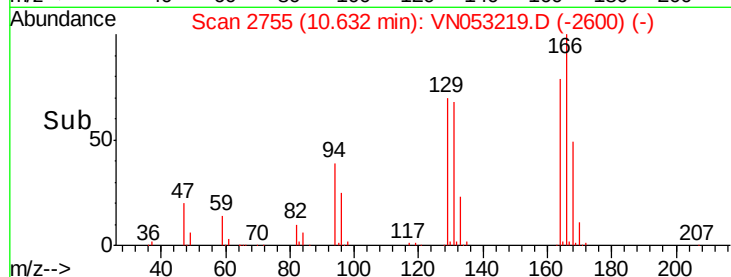
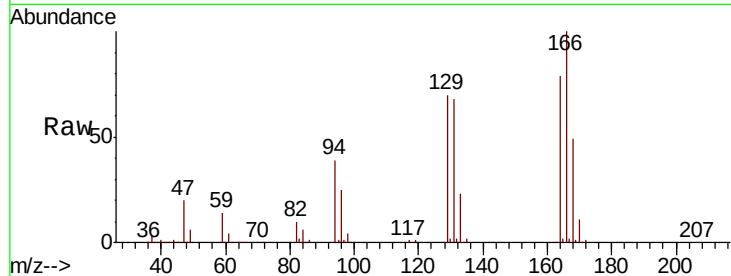
129 89.1 75.3 112.9

131 86.5 74.3 111.5

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#62

Toluene

Concen: 20.161 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053219.D

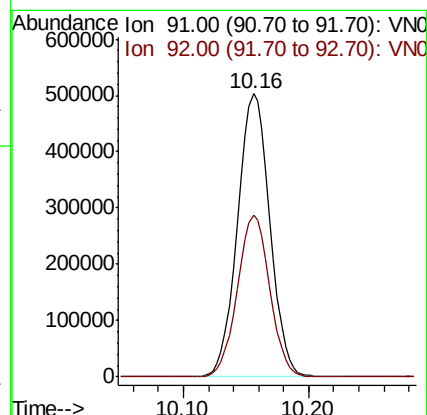
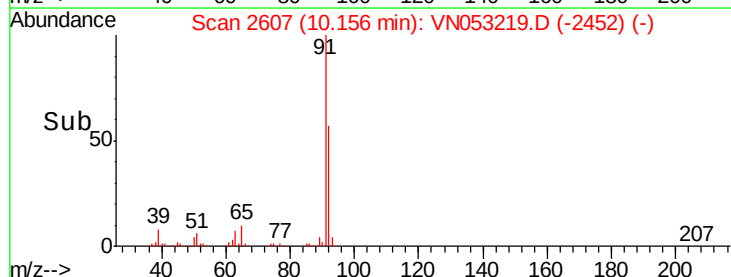
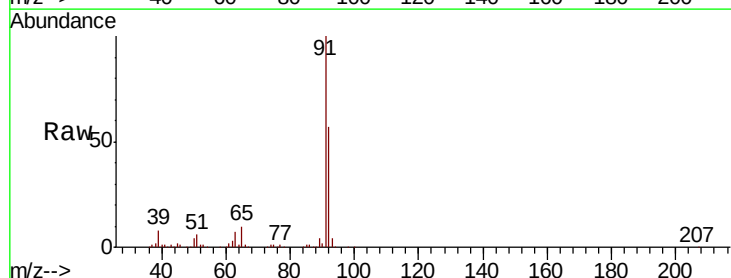
Acq: 28 Dec 2018 12:16

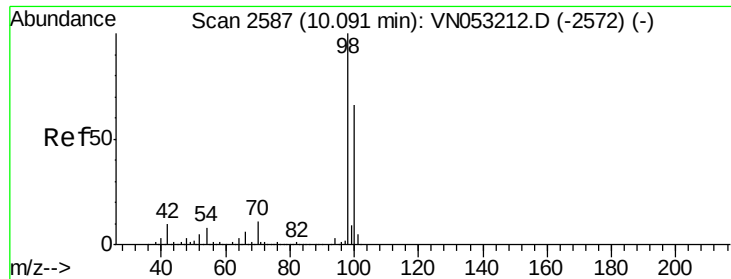
Tgt Ion: 91 Resp: 901602

Ion Ratio Lower Upper

91 100

92 57.2 45.4 68.2





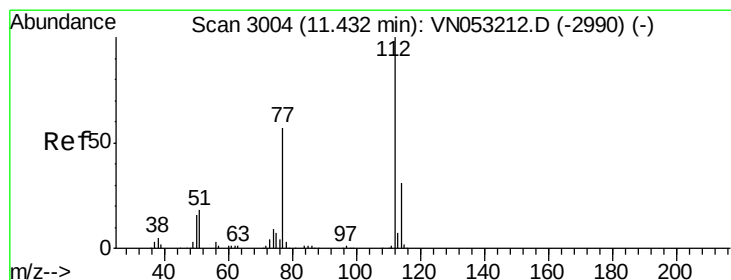
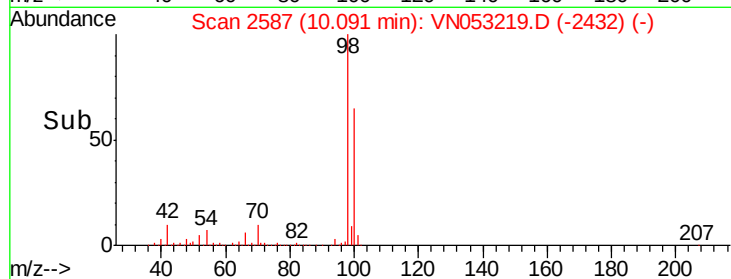
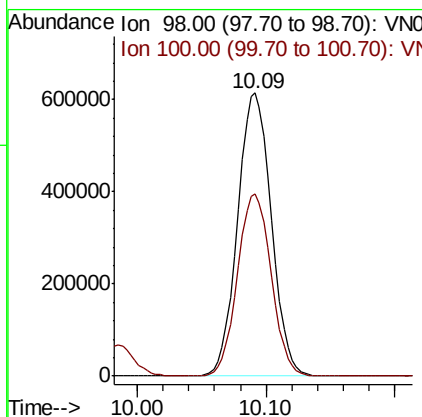
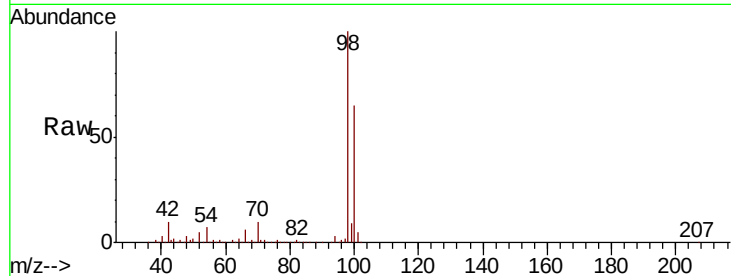
#63  
Toluene-d8  
Concen: 20.161 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

Tot Ion: 98 Resp: 1117453  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.1 76.7

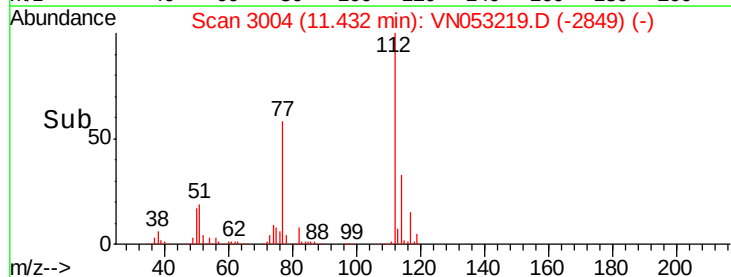
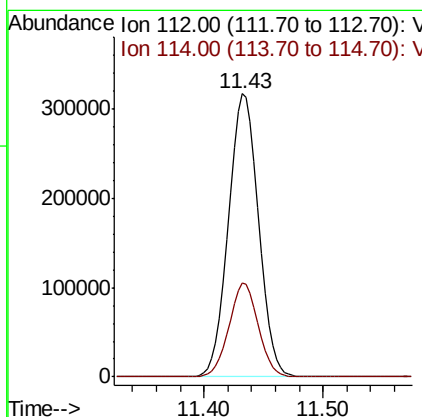
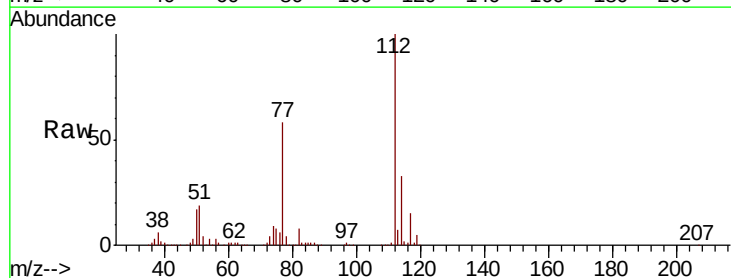
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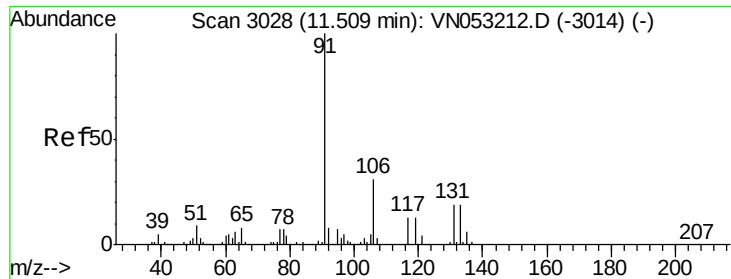
MMDadoda  
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#64  
Chlorobenzene  
Concen: 19.787 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Tgt Ion: 112 Resp: 555296  
Ion Ratio Lower Upper  
112 100  
114 33.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.715 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

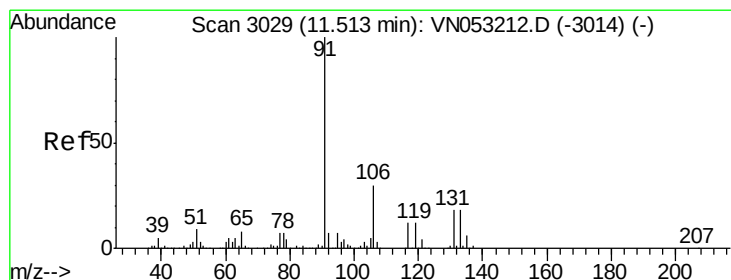
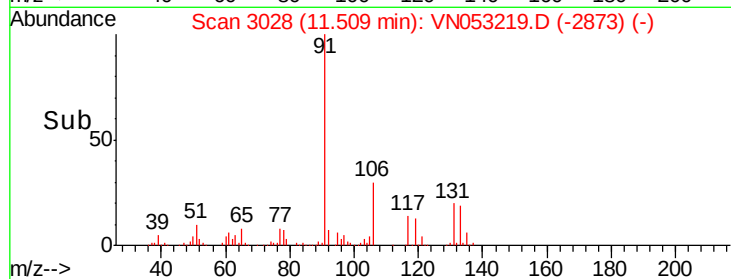
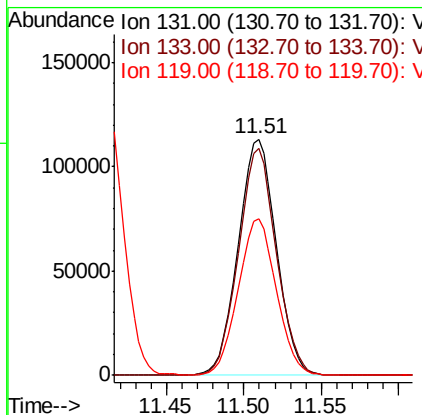
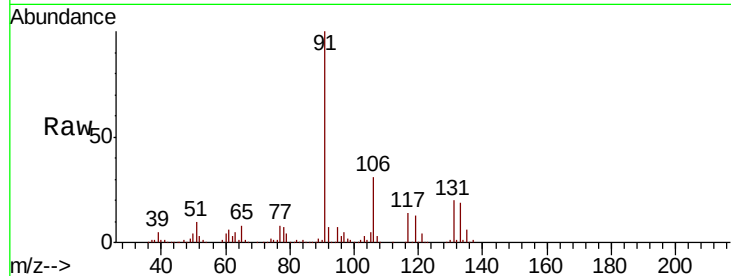
ClientSampleId :

VN1228WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 194073 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 95.4  | 0.0   | 193.4  |
| 119       | 66.5  | 0.0   | 133.0  |

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#66

Ethyl Benzene

Concen: 19.774 ug/l

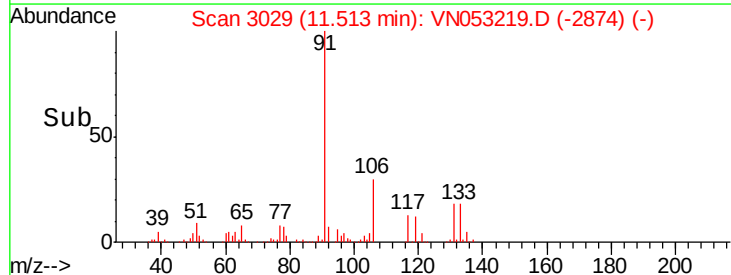
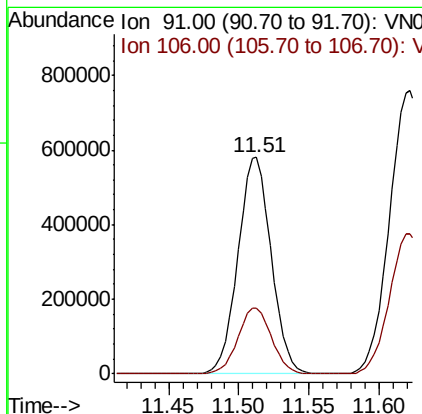
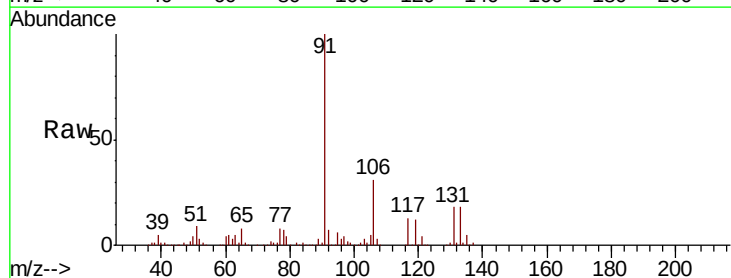
RT: 11.51 min Scan# 3029

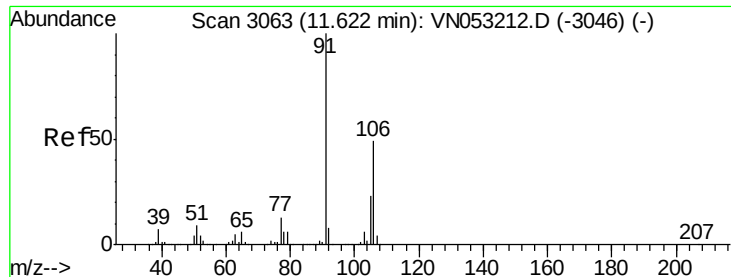
Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 958983 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 30.6  | 24.3  | 36.5   |





#67

m/p-Xylenes

Concen: 39.410 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampled :

VN1228WBS01

Tot Ion:106 Resp: 722836

Ion Ratio Lower Upper

106 100

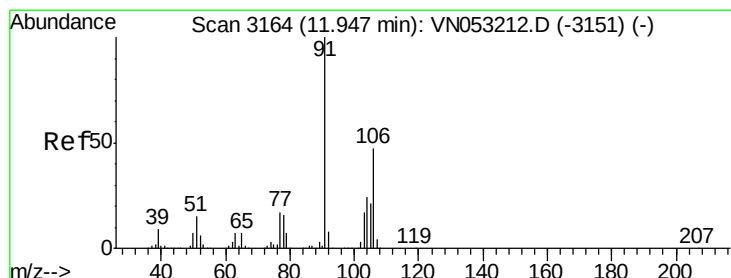
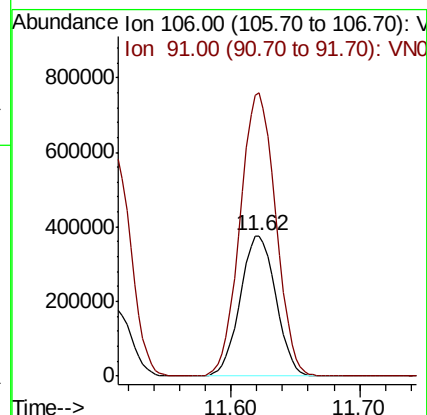
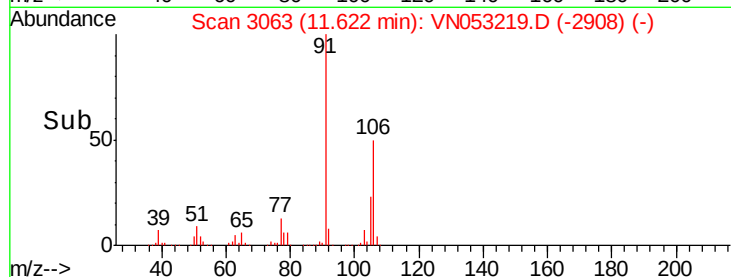
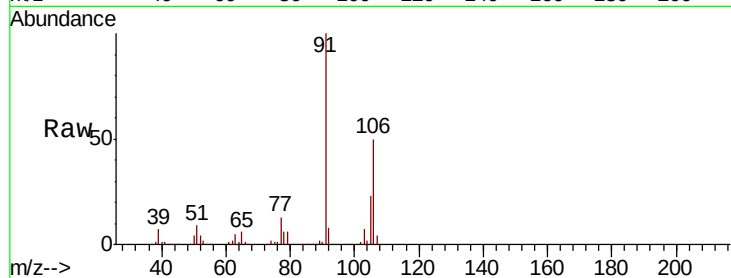
91 202.1 163.9 245.9

Manual Integrations

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#68

o-Xylene

Concen: 19.901 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053219.D

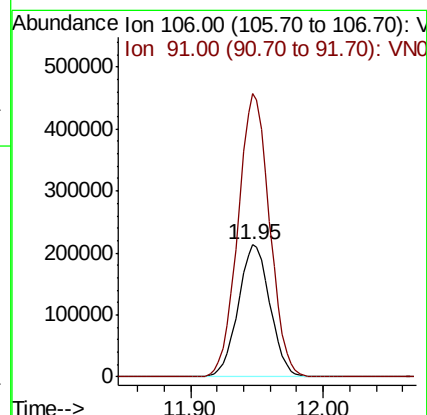
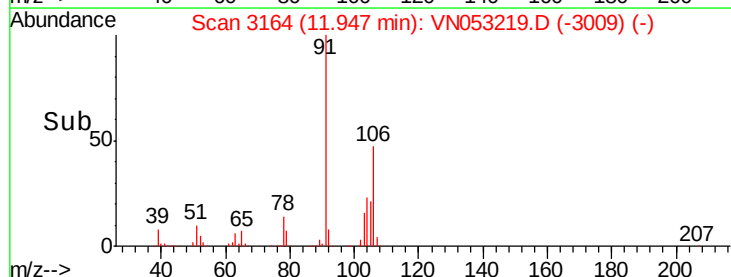
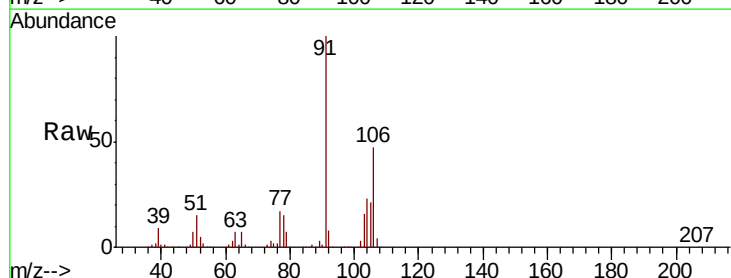
Acq: 28 Dec 2018 12:16

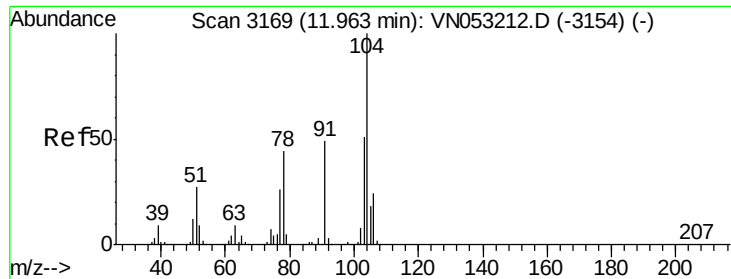
Tgt Ion:106 Resp: 353705

Ion Ratio Lower Upper

106 100

91 213.2 107.8 323.4





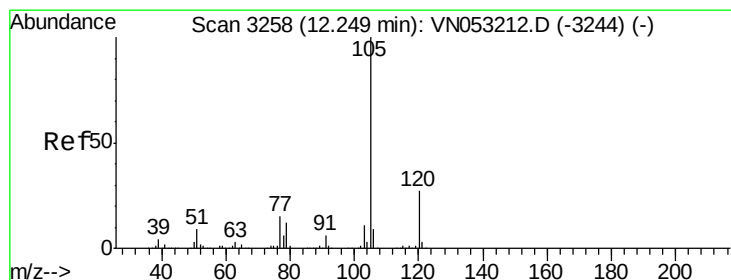
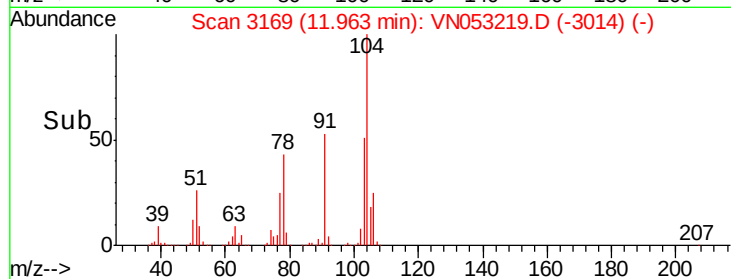
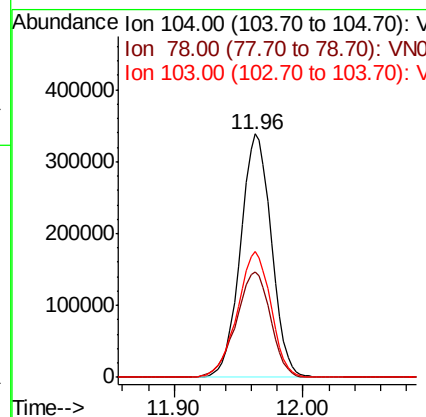
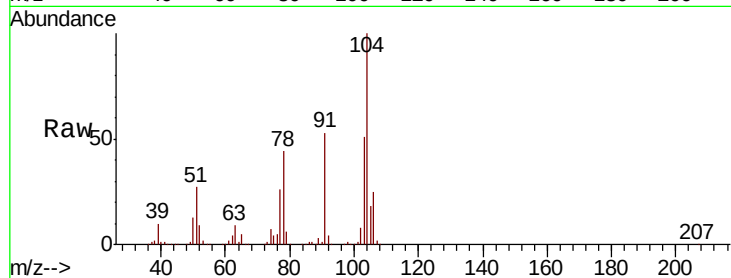
#69  
Stvrene  
Concen: 19.456 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.2  | 39.3  | 58.9  |
| 103     | 56.0  | 44.6  | 66.8  |

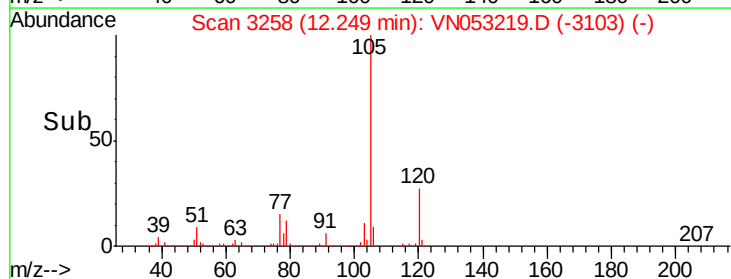
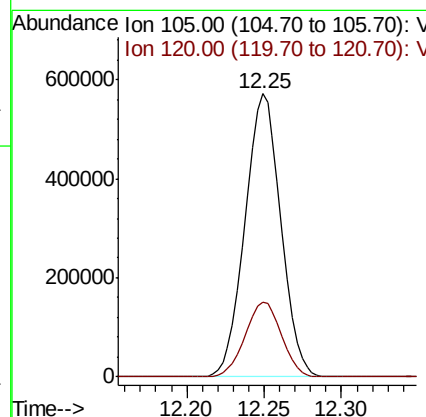
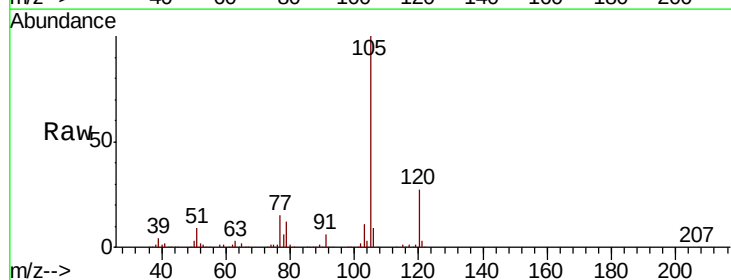
Manual Integrations  
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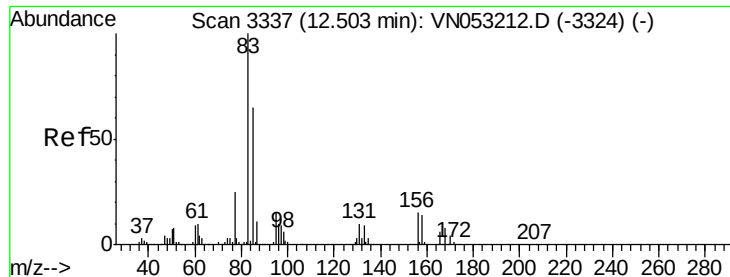
MMDadoda  
1/2/2019 9:48:49 AM



#70  
Isopropylbenzene  
Concen: 19.664 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.0  | 18.6  | 34.6  |





#71

1,1,2,2-Tetrachloroethane

Concen: 19.825 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

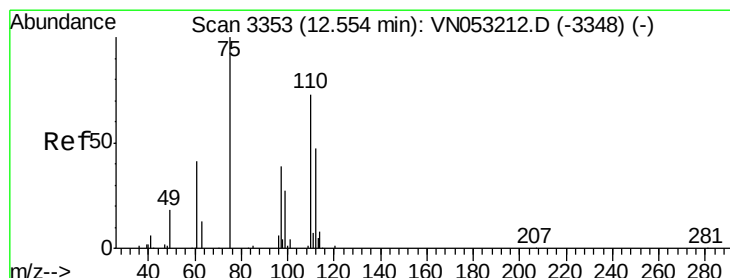
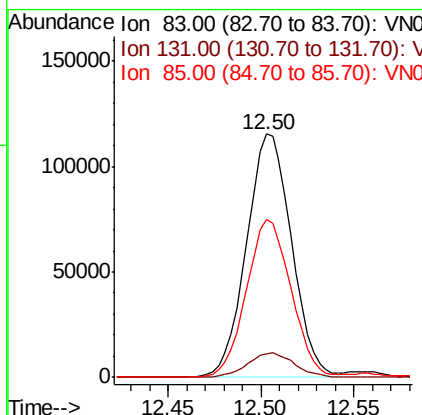
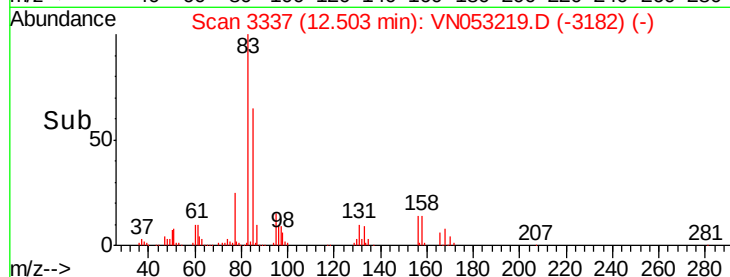
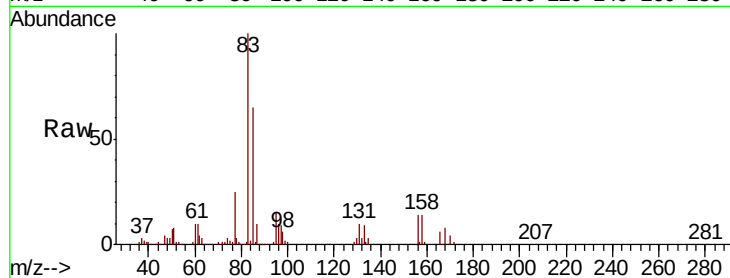
ClientSampleId :

VN1228WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 195156 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.4  | 4.9   | 14.6   |
| 85        | 64.3  | 32.2  | 96.6   |

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#72

1,2,3-Trichloropropane

Concen: 18.293 ug/l m

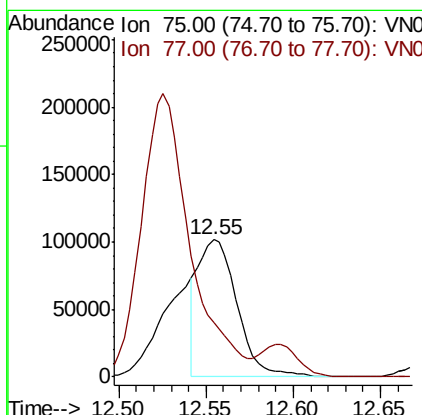
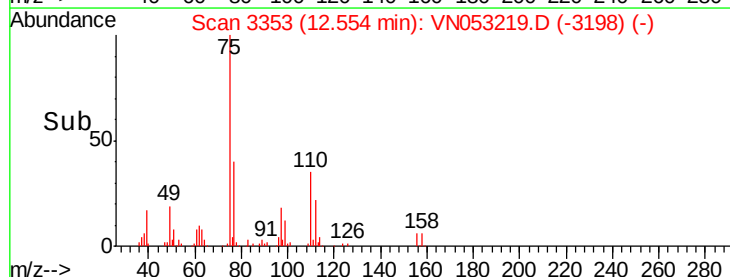
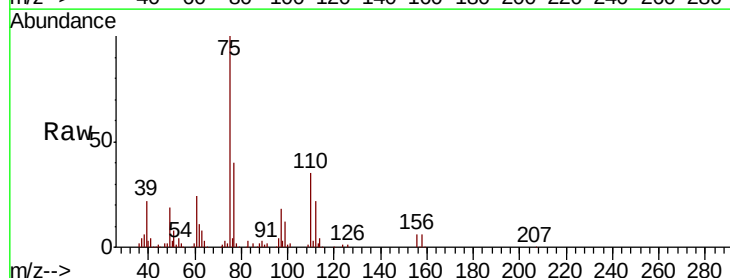
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

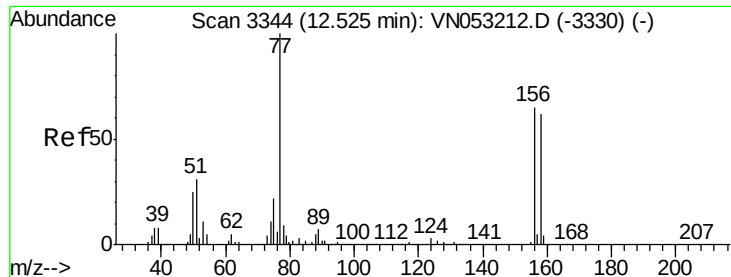
Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 157695 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 259.3 | 0.0   | 514.8  |







#73

Bromobenzene

Concen: 19.309 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

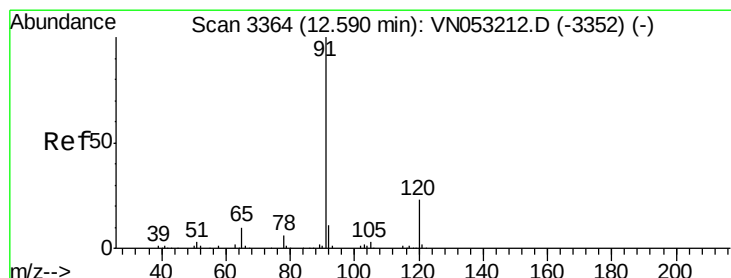
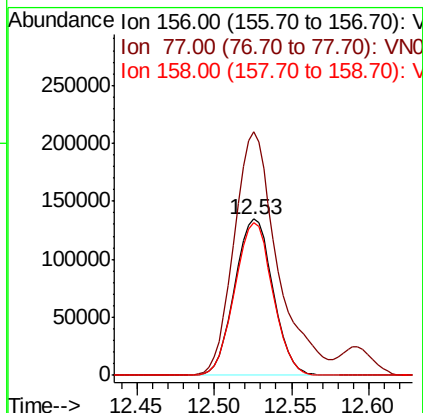
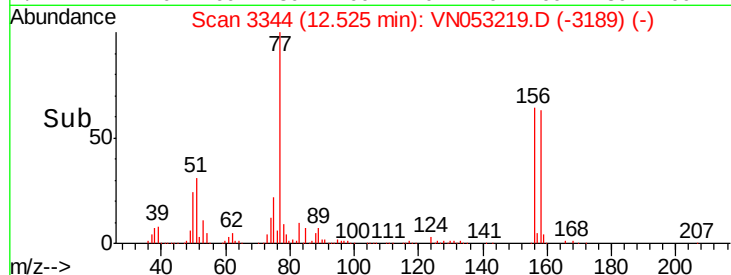
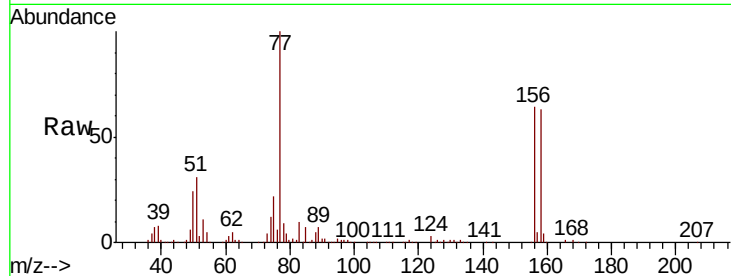
ClientSampled :

VN1228WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 232104 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 176.2 | 0.0   | 382.6  |
| 158       | 97.1  | 0.0   | 196.8  |

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#74

n-propylbenzene

Concen: 19.313 ug/l

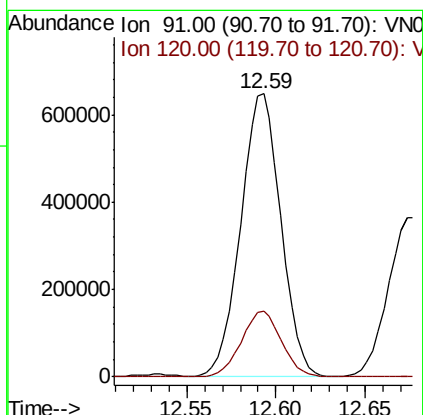
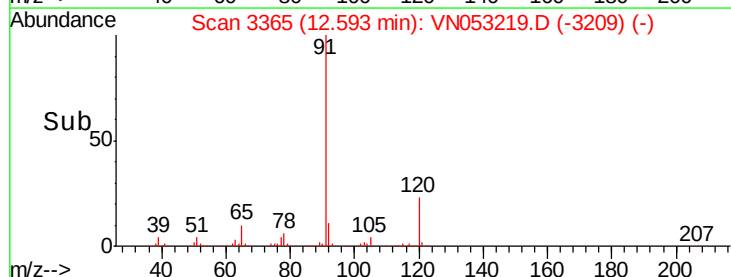
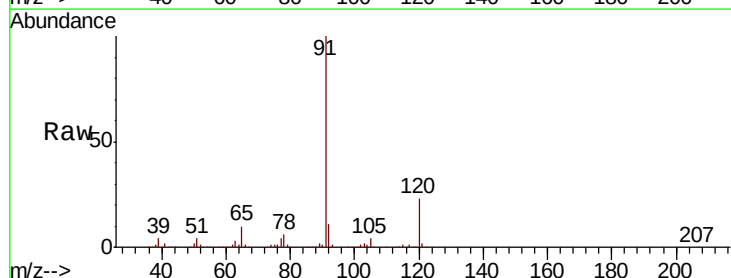
RT: 12.59 min Scan# 3365

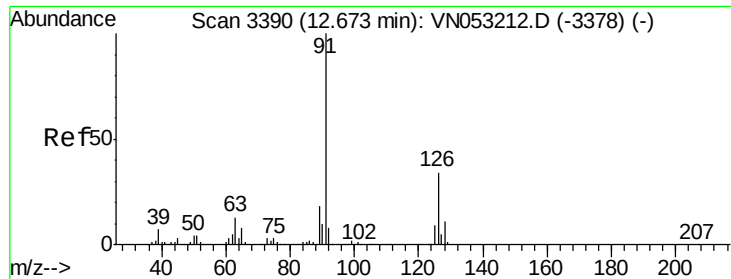
Delta R.T. 0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1022359 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.0  | 0.0   | 44.6    |





#75

2-Chlorotoluene

Concen: 19.425 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VN1228WBS01

Tot Ion: 91 Resp: 608989

Ion Ratio Lower Upper

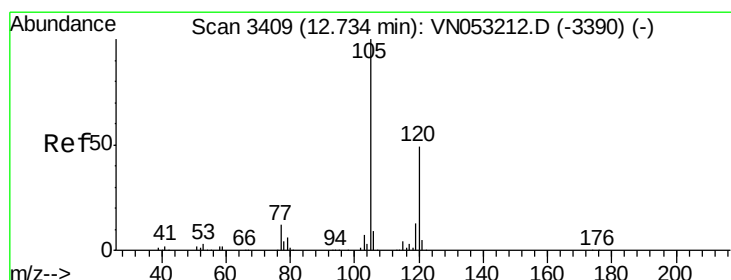
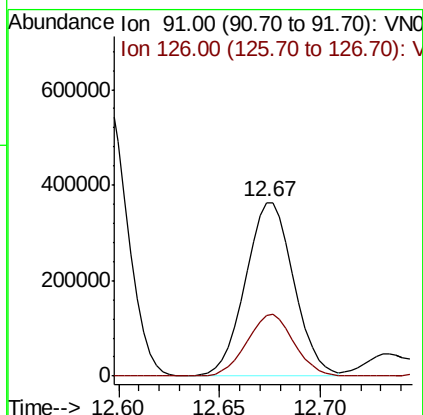
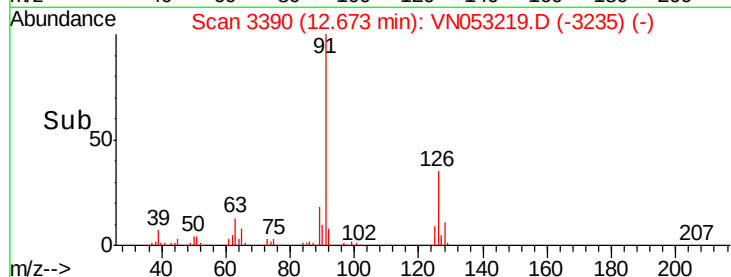
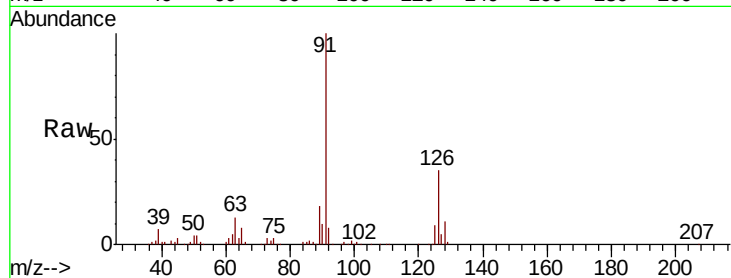
91 100

126 34.8 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.469 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053219.D

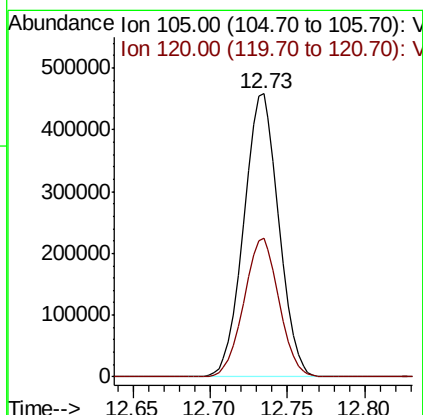
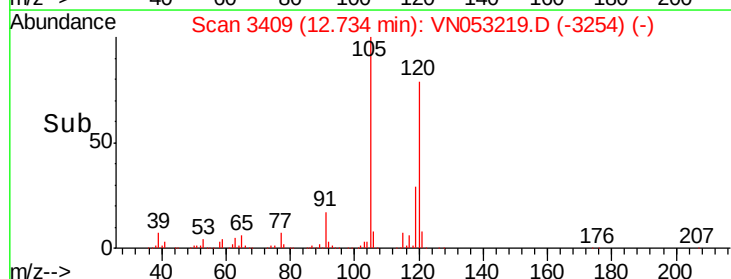
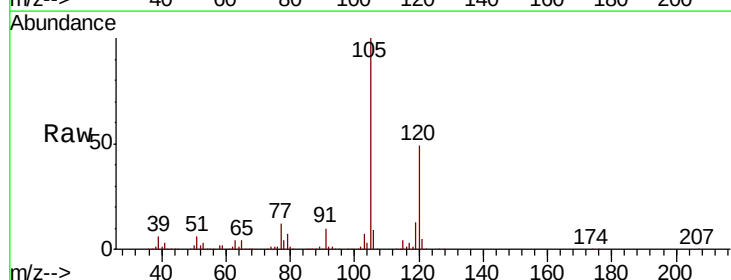
Acq: 28 Dec 2018 12:16

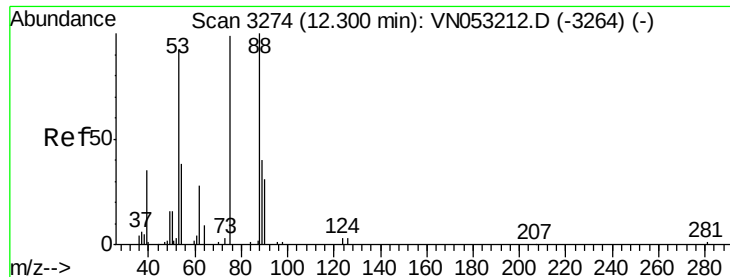
Tgt Ion: 105 Resp: 722203

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.729 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

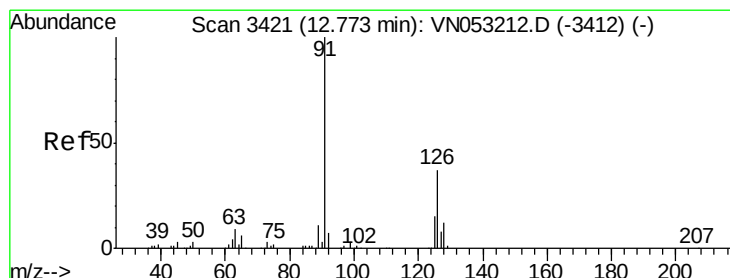
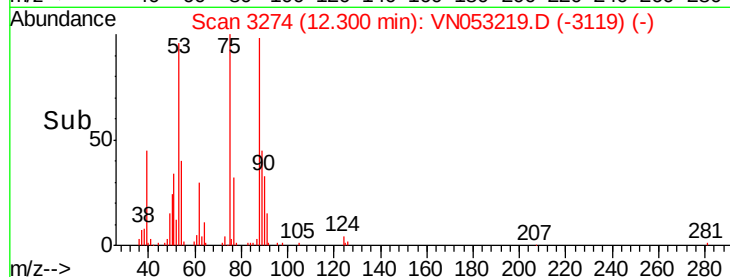
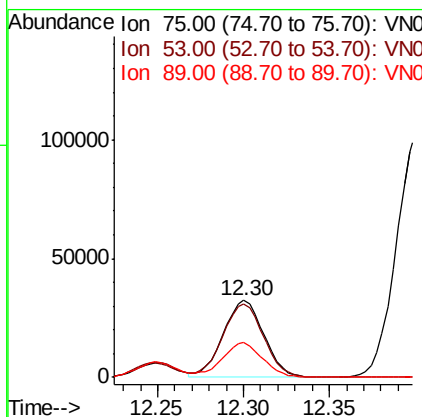
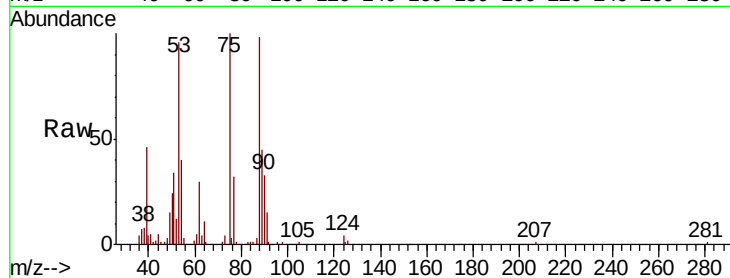
ClientSampled :

VN1228WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 53701 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 95.7  | 48.5  | 145.6 |
| 89       | 45.0  | 21.7  | 65.1  |

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#78

4-Chlorotoluene

Concen: 18.930 ug/l

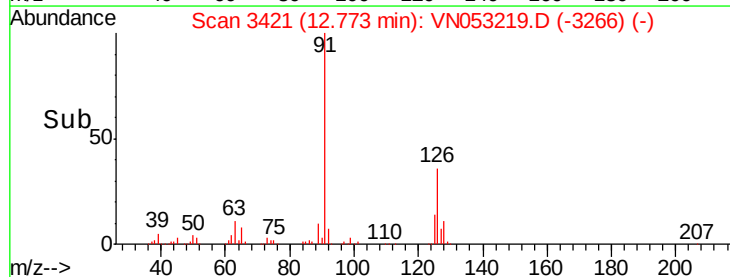
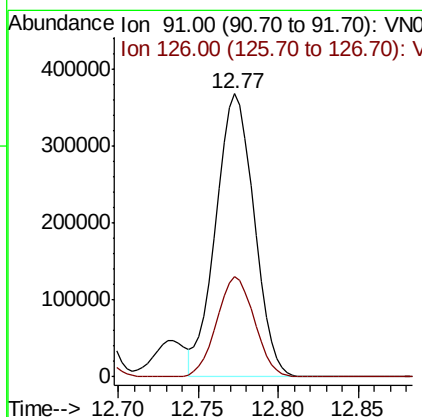
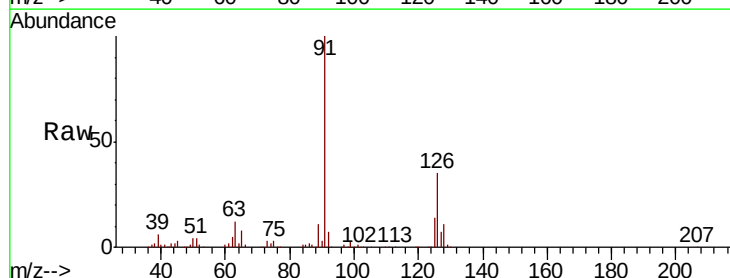
RT: 12.77 min Scan# 3421

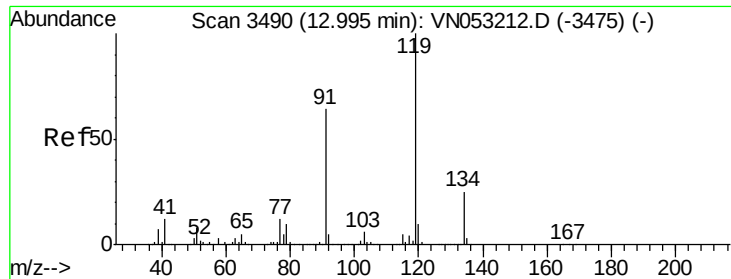
Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 604122 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.8  | 0.0   | 68.2   |





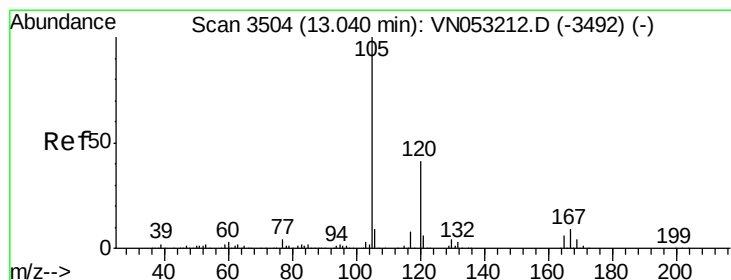
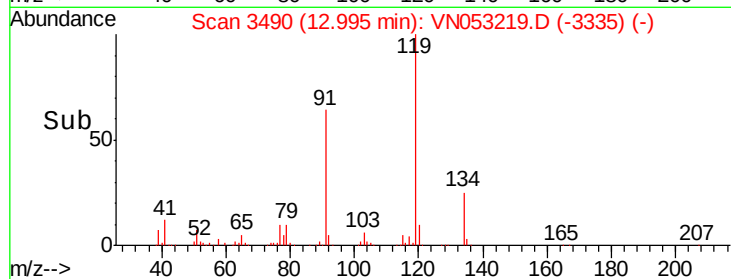
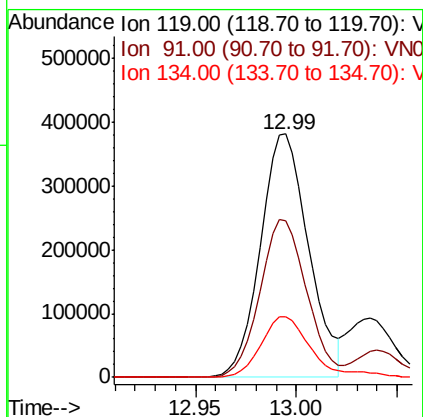
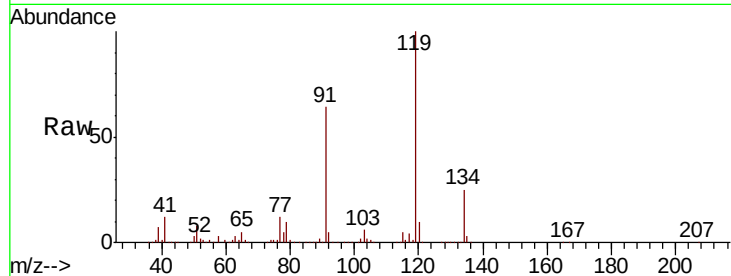
#79  
tert-butylbenzene  
Concen: 19.625 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1228WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 634890 |       |       |
| 91      | 63.3  | 0.0    | 129.8 |       |
| 134     | 26.1  | 0.0    | 52.2  |       |

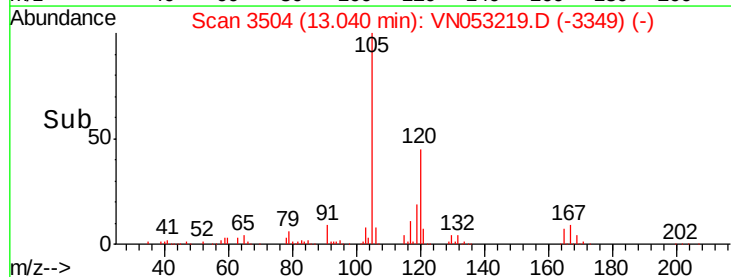
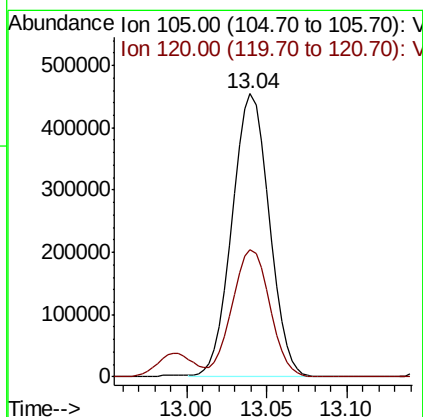
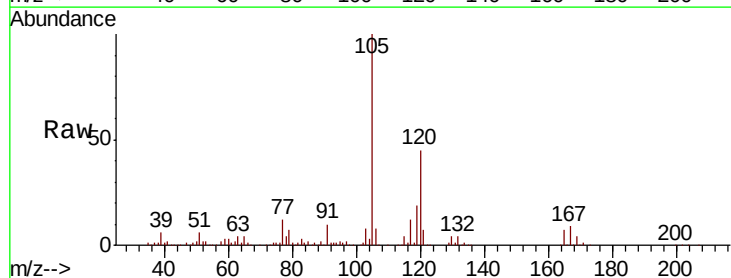
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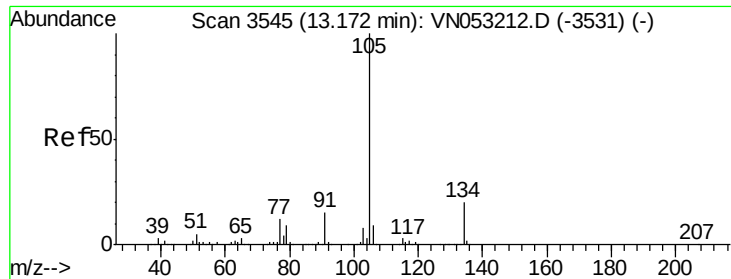
MMDadoda  
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#80  
1,2,4-Trimethylbenzene  
Concen: 19.387 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 720785 |       |       |
| 120     | 45.8  | 0.0    | 91.0  |       |





#81

sec-Butylbenzene

Concen: 19.218 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

ClientSampleId :

VN1228WBS01

Tot Ion:105 Resp: 823277

Ion Ratio Lower Upper

105 100

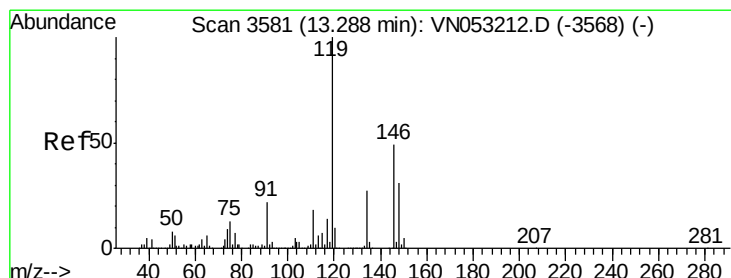
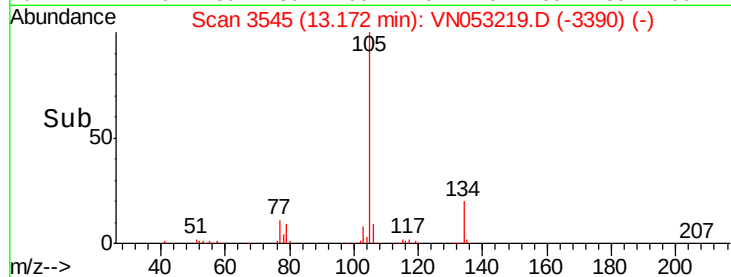
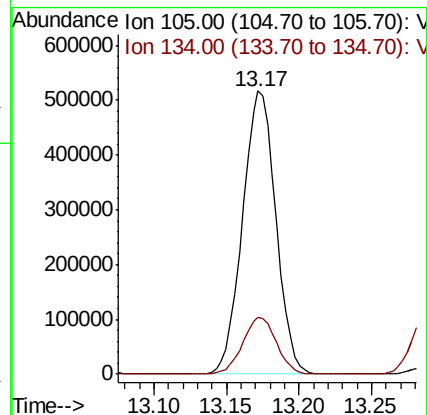
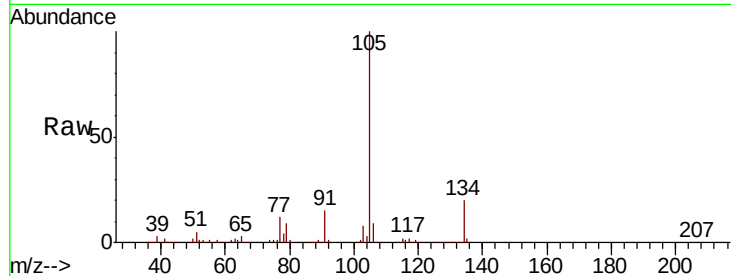
134 20.2 0.0 40.4

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#82

p-Isopropyltoluene

Concen: 18.919 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

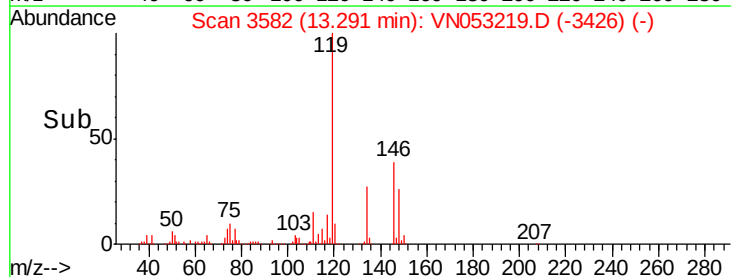
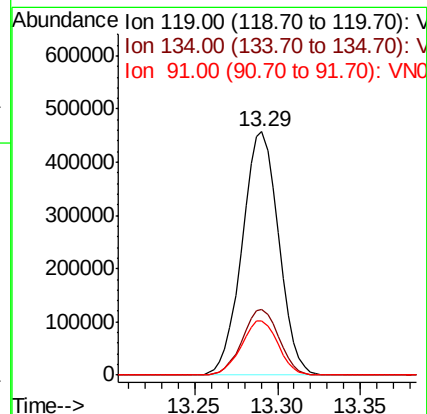
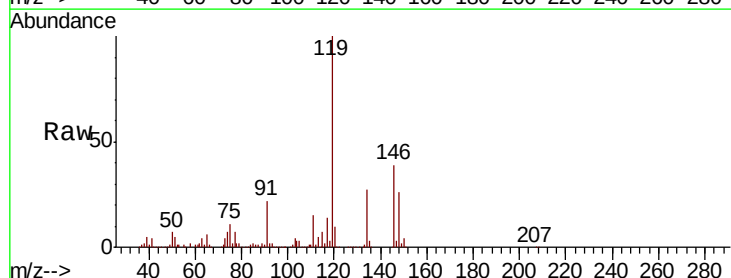
Tgt Ion:119 Resp: 700362

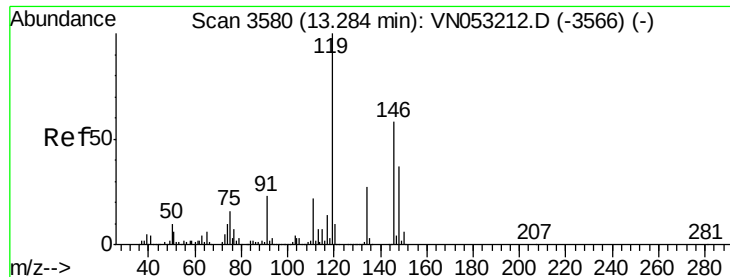
Ion Ratio Lower Upper

119 100

134 27.1 0.0 52.6

91 22.4 0.0 46.2





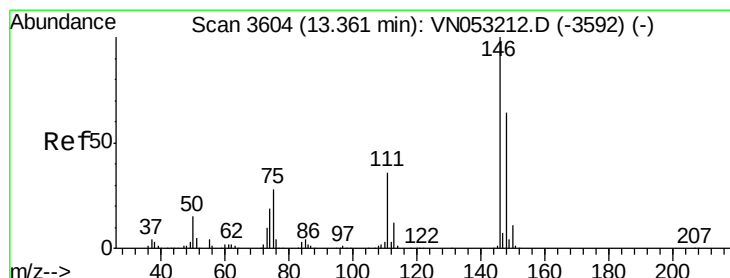
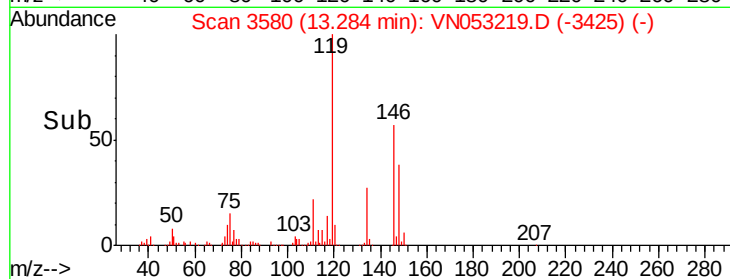
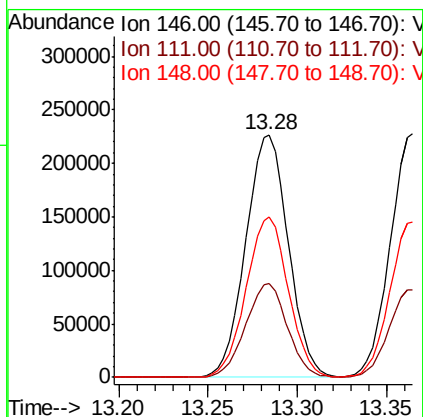
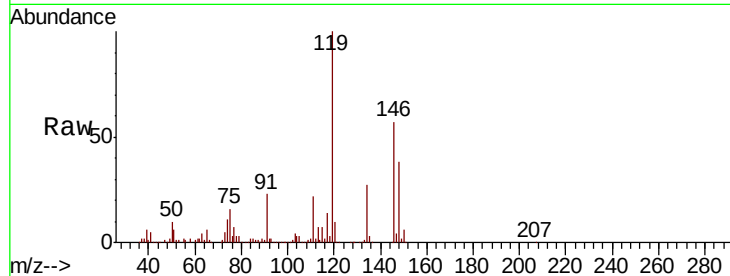
#83  
 1,3-Dichlorobenzene  
 Concen: 18.447 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1228WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 377565 |       |       |
| 111     | 37.9  | 19.7   | 59.0  |       |
| 148     | 65.6  | 32.3   | 96.8  |       |

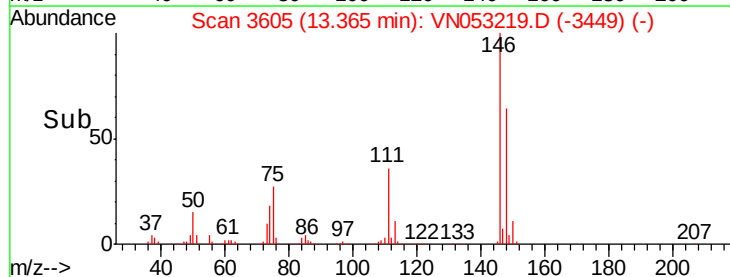
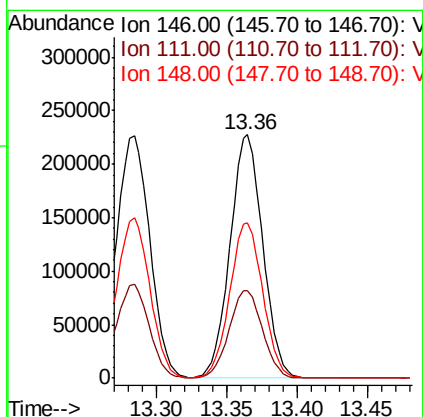
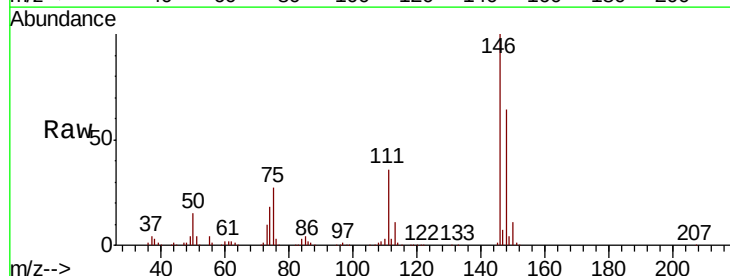
Manual Integrations  
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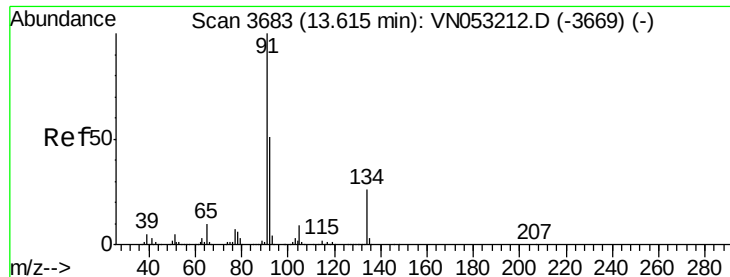
MMDadoda  
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#84  
 1,4-Dichlorobenzene  
 Concen: 18.501 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 369103 |       |       |
| 111     | 36.7  | 18.8   | 56.3  |       |
| 148     | 64.3  | 32.5   | 97.4  |       |





#85

n-Butylbenzene

Concen: 18.243 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

Instrument :

MSVOA\_N

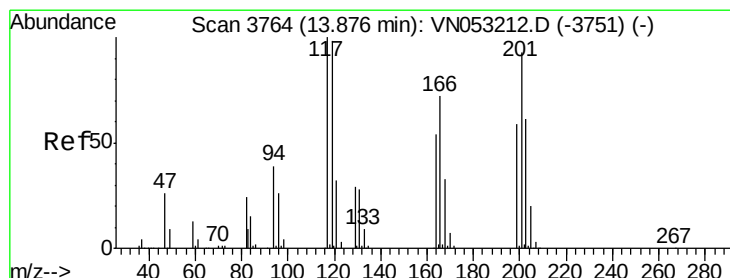
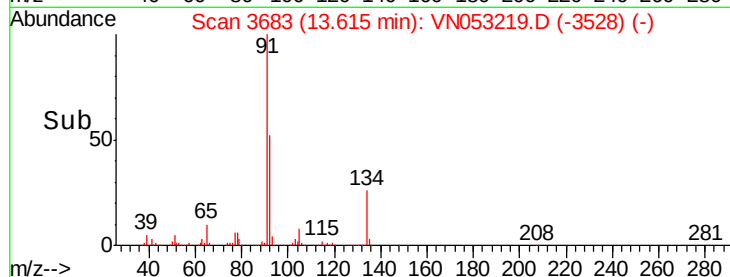
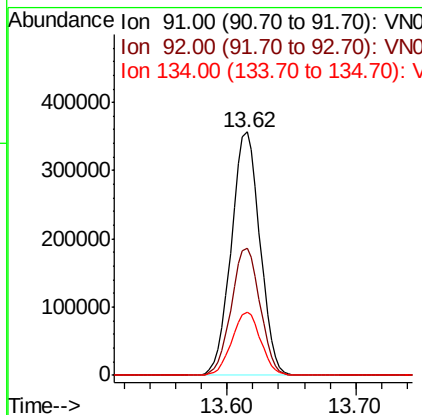
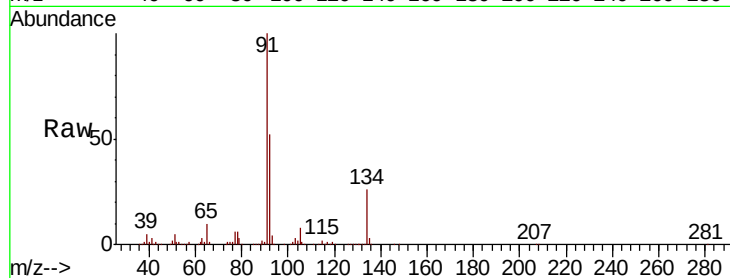
ClientSampleId :

VN1228WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 549183 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 52.5  | 0.0   | 104.2  |
| 134       | 26.2  | 0.0   | 50.6   |

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#86

Hexachloroethane

Concen: 18.526 ug/l

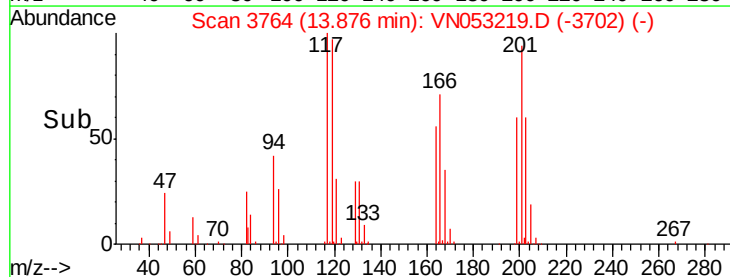
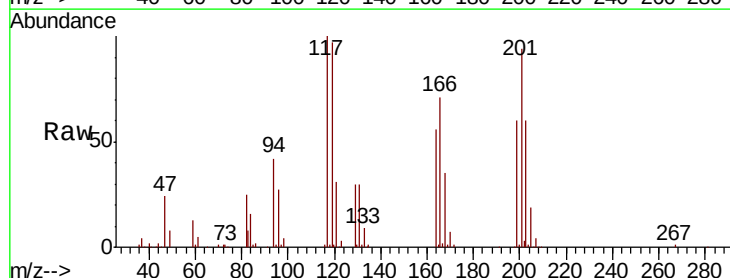
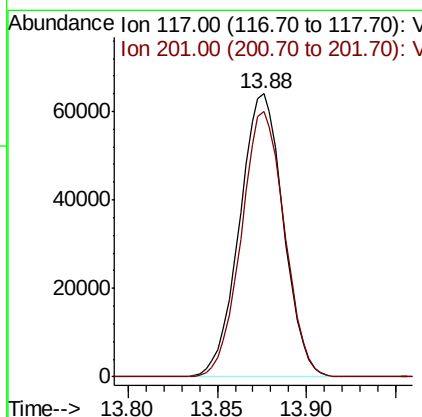
RT: 13.88 min Scan# 3764

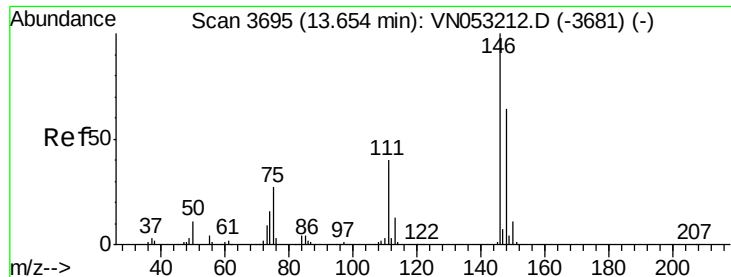
Delta R.T. -0.00 min

Lab File: VN053219.D

Acq: 28 Dec 2018 12:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 109498 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 201       | 92.4  | 43.8  | 131.3  |





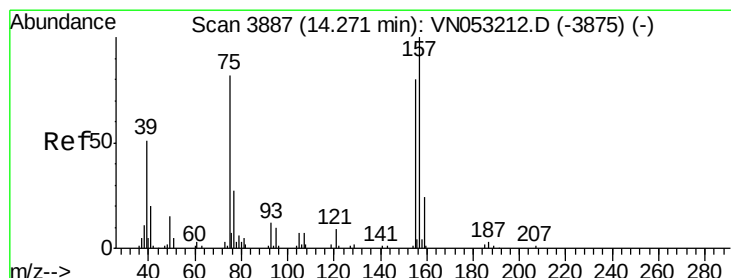
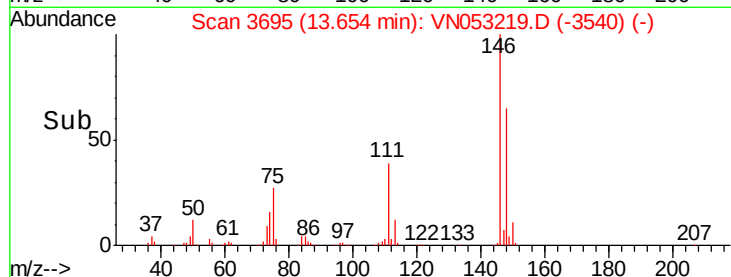
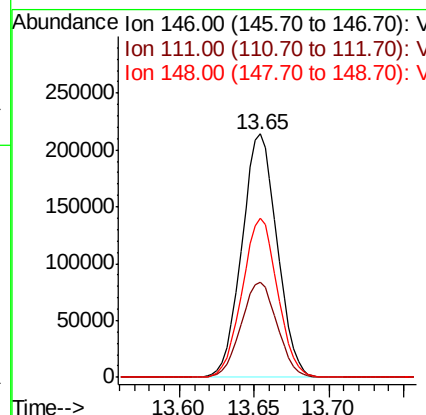
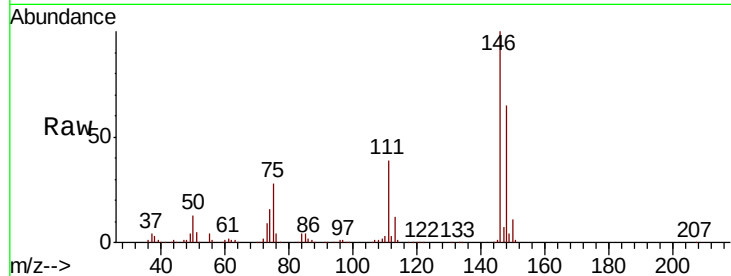
#87  
 1,2-Dichlorobenzene  
 Concen: 18.487 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.8  | 20.3  | 60.8  |
| 148     | 65.5  | 32.1  | 96.5  |

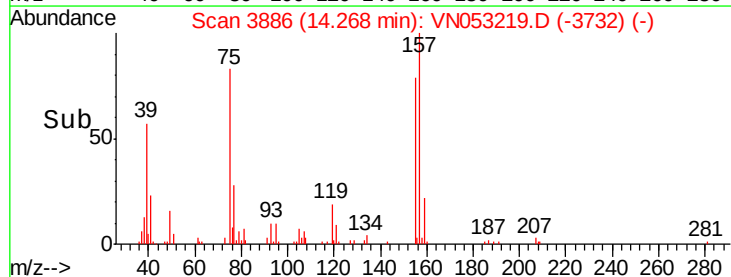
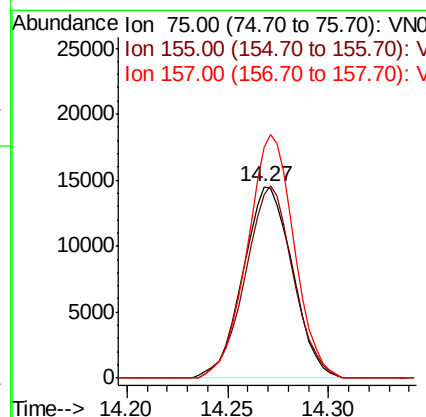
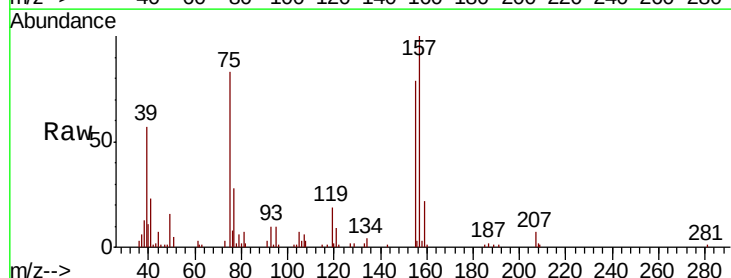
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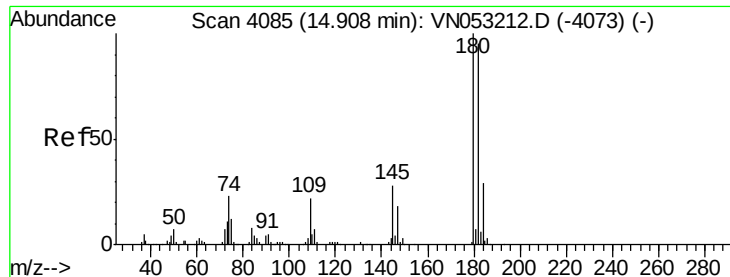


#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.709 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 96.3  | 72.2  | 108.2 |
| 157     | 120.2 | 94.2  | 141.2 |







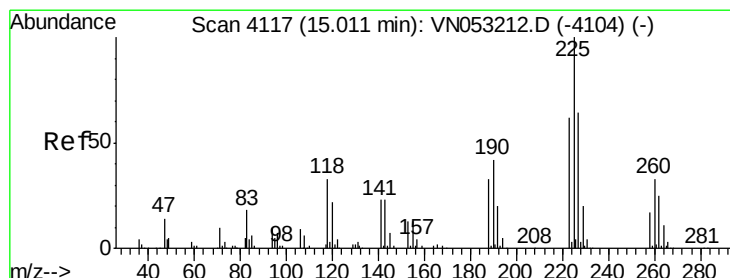
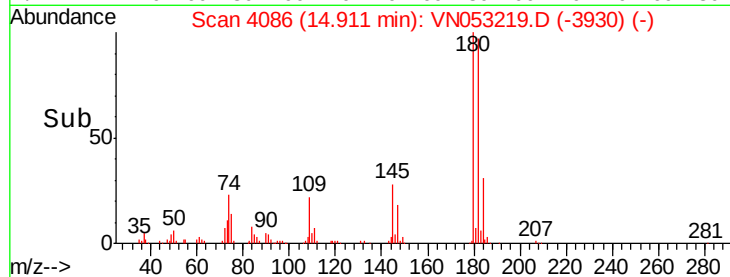
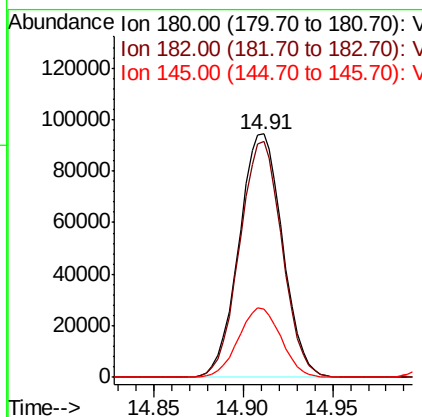
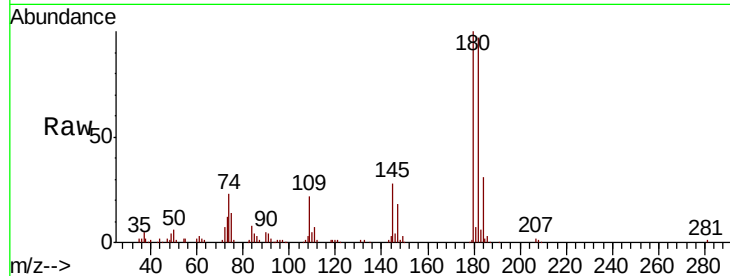
#89  
 1,2,4-Trichlorobenzene  
 Concen: 17.450 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 76.6  | 114.8 |
| 145     | 27.9  | 23.6  | 35.4  |

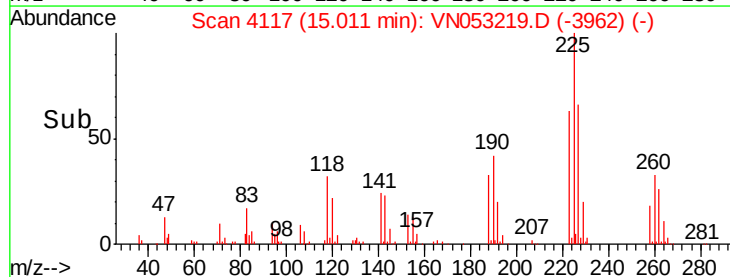
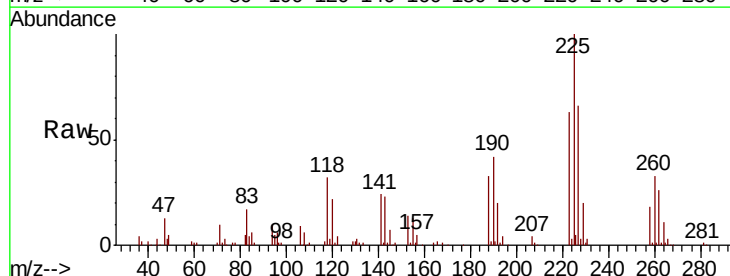
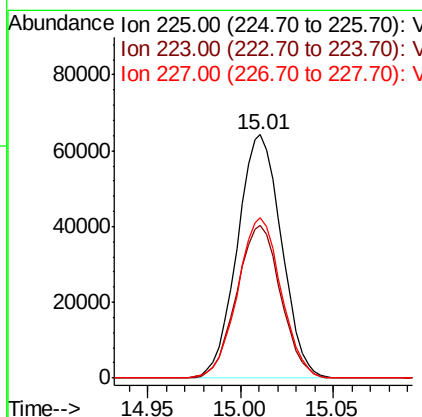
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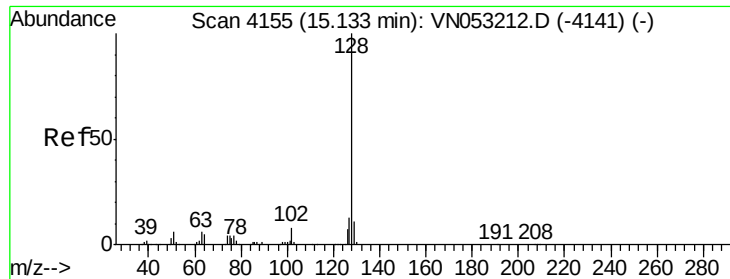
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#90  
 Hexachlorobutadiene  
 Concen: 18.993 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN053219.D  
 Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.5  | 0.0   | 125.6 |
| 227     | 64.9  | 0.0   | 127.8 |





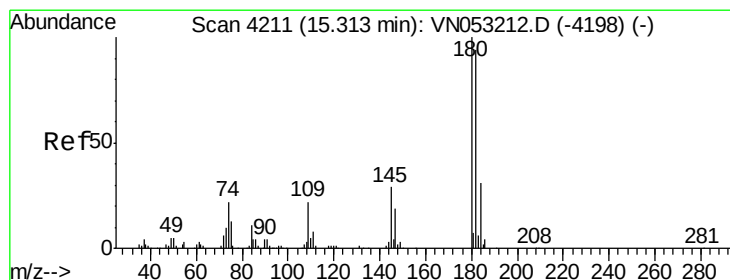
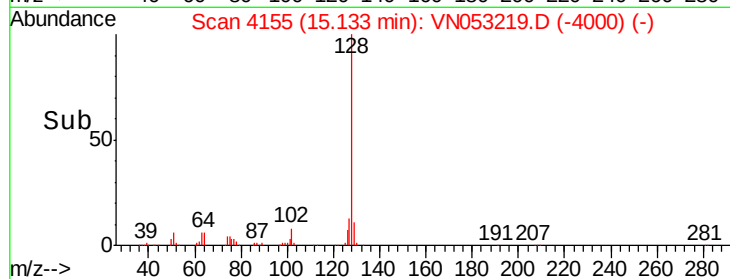
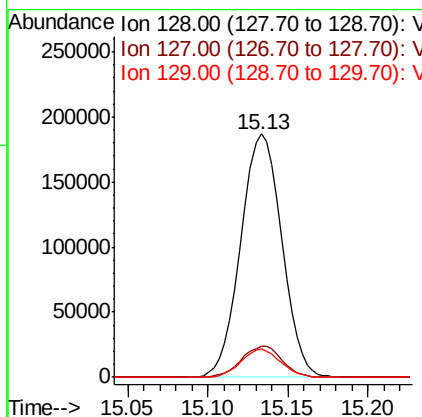
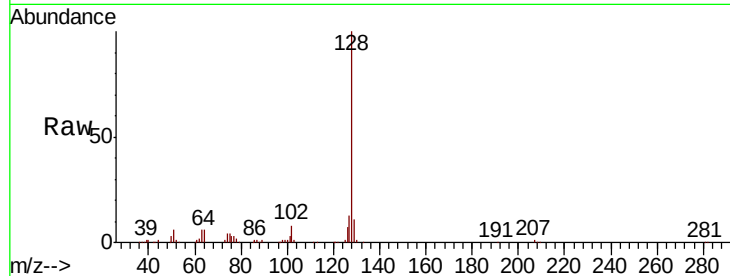
#91  
Naphthalene  
Concen: 16.771 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1228WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 9.9   | 14.9  |
| 129     | 11.1  | 8.5   | 12.7  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 17.809 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN053219.D  
Acq: 28 Dec 2018 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 0.0   | 196.2 |
| 145     | 29.7  | 0.0   | 62.2  |

