

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\  
 Data File : VN058674.D  
 Acq On : 10 Oct 2019 18:56  
 Operator : JC/SP  
 Sample : VSTDICV020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 ICVVN101119

Manual Integrations  
 APPROVED

MMDadoda  
 10/11/2019 2:47:42 PM

Quant Time: Oct 11 04:59:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 11 04:26:47 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.18  | 128  | 75029    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.57  | 114  | 426729   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 386352   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.01   | 65    | 195792   | 30.75    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 102.50% |
| 60) 4-Bromofluorobenzene  | 12.41  | 95    | 197125   | 29.17    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.23%  |
| 63) Toluene-d8            | 10.08  | 98    | 553049   | 30.32    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 101.07% |

## Target Compounds

|                               |      |     |        |                | Ovalue |
|-------------------------------|------|-----|--------|----------------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 88333  | 21.729 ug/l    | 99     |
| 3) Chloromethane              | 2.04 | 50  | 114545 | 21.094 ug/l    | 100    |
| 4) Vinyl Chloride             | 2.17 | 62  | 122152 | 21.765 ug/l    | 97     |
| 5) Bromomethane               | 2.55 | 94  | 72729  | 20.989 ug/l    | 96     |
| 6) Chloroethane               | 2.69 | 64  | 74530  | 21.127 ug/l    | 93     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 147139 | 21.300 ug/l    | 100    |
| 8) Diethyl Ether              | 3.39 | 74  | 56368  | 21.395 ug/l    | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 84938  | 21.250 ug/l    | 98     |
| 10) 1,1-Dichloroethene        | 3.72 | 96  | 82223  | 20.945 ug/l    | 93     |
| 11) Methyl Iodide             | 3.93 | 142 | 116543 | 21.317 ug/l    | 97     |
| 12) Methyl Acetate            | 4.30 | 43  | 126709 | 20.174 ug/l    | 97     |
| 13) Acrolein                  | 3.58 | 56  | 66165  | 95.342 ug/l    | 97     |
| 14) Acrylonitrile             | 4.96 | 53  | 256178 | 103.515 ug/l   | 99     |
| 15) Acetone                   | 3.80 | 58  | 72547  | 98.756 ug/l    | 94     |
| 16) Carbon Disulfide          | 4.03 | 76  | 239043 | 20.877 ug/l    | 100    |
| 17) Allyl chloride            | 4.30 | 41  | 162085 | 20.744 ug/l    | 96     |
| 18) Methylene Chloride        | 4.53 | 84  | 99079  | 20.842 ug/l    | 98     |
| 19) trans-1,2-Dichloroethene  | 5.01 | 96  | 91048  | 21.304 ug/l    | 94     |
| 20) Diisopropyl ether         | 5.93 | 45  | 335804 | 21.094 ug/l    | 97     |
| 21) 1,1-Dichloroethane        | 5.83 | 63  | 186394 | 21.144 ug/l    | 99     |
| 22) cis-1,2-Dichloroethene    | 6.81 | 96  | 108003 | 21.196 ug/l    | 99     |
| 23) tert-Butyl Alcohol        | 4.76 | 59  | 103007 | 101.760 ug/l # | 100    |
| 24) Methyl tert-Butyl Ether   | 5.02 | 73  | 309081 | 21.105 ug/l    | 100    |
| 25) Chloroform                | 7.36 | 83  | 187875 | 21.369 ug/l    | 98     |
| 26) Cyclohexane               | 7.64 | 56  | 161573 | 20.882 ug/l #  | 99     |
| 29) 1,1-Dichloropropene       | 7.78 | 75  | 135505 | 20.172 ug/l    | 99     |
| 30) 2-Butanone                | 6.81 | 43  | 367616 | 96.844 ug/l    | 99     |
| 31) 2,2-Dichloropropane       | 6.81 | 77  | 157217 | 19.857 ug/l    | 98     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 162344 | 20.896 ug/l    | 99     |
| 33) Carbon Tetrachloride      | 7.76 | 117 | 139042 | 20.676 ug/l    | 98     |
| 34) Benzene                   | 8.03 | 78  | 407568 | 20.609 ug/l    | 98     |
| 35) Methacrylonitrile         | 7.16 | 41  | 62737  | 18.709 ug/l    | 90     |
| 36) 1,2-Dichloroethane        | 8.11 | 62  | 158353 | 20.943 ug/l    | 99     |
| 37) Trichloroethene           | 8.82 | 130 | 100935 | 20.776 ug/l    | 98     |
| 38) Methylcyclohexane         | 9.07 | 83  | 158523 | 20.354 ug/l    | 99     |
| 39) 1,2-Dichloropropane       | 9.11 | 63  | 109441 | 20.250 ug/l    | 99     |
| 40) Dibromomethane            | 9.20 | 93  | 69414  | 20.346 ug/l    | 100    |

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Manual Integrations  
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 10/11/2019 2:47:42 PM

Quant Time: Oct 11 04:59:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 11 04:26:47 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 9.39  | 83   | 142823   | 20.491  | ug/l  | 99       |
| 42) Vinyl Acetate              | 5.87  | 43   | 1406802  | 105.820 | ug/l  | 100      |
| 43) Ethyl Acetate              | 6.91  | 43   | 149057   | 20.006  | ug/l  | 100      |
| 44) Isopropyl Acetate          | 8.15  | 43   | 243432   | 20.171  | ug/l  | 91       |
| 45) 1,4-Dioxane                | 9.19  | 88   | 35199    | 379.833 | ug/l  | 99       |
| 46) Methyl methacrylate        | 9.19  | 41   | 110926   | 20.021  | ug/l  | 98       |
| 47) n-amyl Acetate             | 12.07 | 43   | 209065   | 19.542  | ug/l  | 99       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 160598   | 19.868  | ug/l  | 99       |
| 49) cis-1,3-Dichloropropene    | 9.83  | 75   | 173603   | 20.452  | ug/l  | 99       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 100534   | 20.641  | ug/l  | 97       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 156627   | 20.111  | ug/l  | 99       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 176819   | 20.386  | ug/l  | 100      |
| 53) Dibromochloromethane       | 10.90 | 129  | 104845   | 20.059  | ug/l  | 98       |
| 54) 1,2-Dibromoethane          | 11.00 | 107  | 101574   | 20.120  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether  | 9.69  | 63   | 398413   | 102.844 | ug/l  | 99       |
| 56) Bromoform                  | 12.13 | 173  | 71382    | 19.604  | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone       | 9.98  | 43   | 749595   | 106.354 | ug/l  | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 563146   | 101.918 | ug/l  | 100      |
| 61) Tetrachloroethene          | 10.63 | 164  | 89318    | 21.394  | ug/l  | 99       |
| 62) Toluene                    | 10.15 | 91   | 434494   | 20.907  | ug/l  | 100      |
| 64) Chlorobenzene              | 11.43 | 112  | 264926   | 20.851  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 99520    | 20.889  | ug/l  | 97       |
| 66) Ethyl Benzene              | 11.51 | 91   | 483238   | 20.999  | ug/l  | 99       |
| 67) m/p-Xylenes                | 11.62 | 106  | 355549   | 41.356  | ug/l  | 100      |
| 68) o-Xylene                   | 11.95 | 106  | 172744   | 20.726  | ug/l  | 99       |
| 69) Styrene                    | 11.97 | 104  | 277346   | 20.143  | ug/l  | 100      |
| 70) Isopropylbenzene           | 12.25 | 105  | 468123   | 20.803  | ug/l  | 98       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 154586   | 20.406  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane     | 12.56 | 75   | 141225m  | 20.574  | ug/l  |          |
| 73) Bromobenzene               | 12.53 | 156  | 111450   | 20.391  | ug/l  | 99       |
| 74) n-propylbenzene            | 12.60 | 91   | 553871   | 21.029  | ug/l  | 100      |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 327562   | 20.670  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 397583   | 20.629  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 48328    | 18.481  | ug/l  | 96       |
| 78) 4-Chlorotoluene            | 12.78 | 91   | 334132   | 20.458  | ug/l  | 99       |
| 79) tert-butylbenzene          | 13.00 | 119  | 336364   | 20.428  | ug/l  | 100      |
| 80) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 394574   | 20.603  | ug/l  | 100      |
| 81) sec-Butylbenzene           | 13.18 | 105  | 454316   | 20.502  | ug/l  | 99       |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 410223   | 20.616  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene        | 13.29 | 146  | 201604   | 20.384  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene        | 13.37 | 146  | 196917   | 19.933  | ug/l  | 98       |
| 85) n-Butylbenzene             | 13.62 | 91   | 364482   | 20.007  | ug/l  | 100      |
| 86) Hexachloroethane           | 13.88 | 117  | 73536    | 20.306  | ug/l  | 98       |
| 87) 1,2-Dichlorobenzene        | 13.66 | 146  | 200673   | 20.553  | ug/l  | 100      |
| 88) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 33586    | 19.919  | ug/l  | 100      |
| 89) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 121565   | 19.718  | ug/l  | 98       |
| 90) Hexachlorobutadiene        | 15.02 | 225  | 64224    | 20.174  | ug/l  | 99       |
| 91) Naphthalene                | 15.13 | 128  | 368142   | 20.225  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 121478   | 20.242  | ug/l  | 98       |

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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Manual Integrations  
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Oct 11 04:26:47 2019  
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

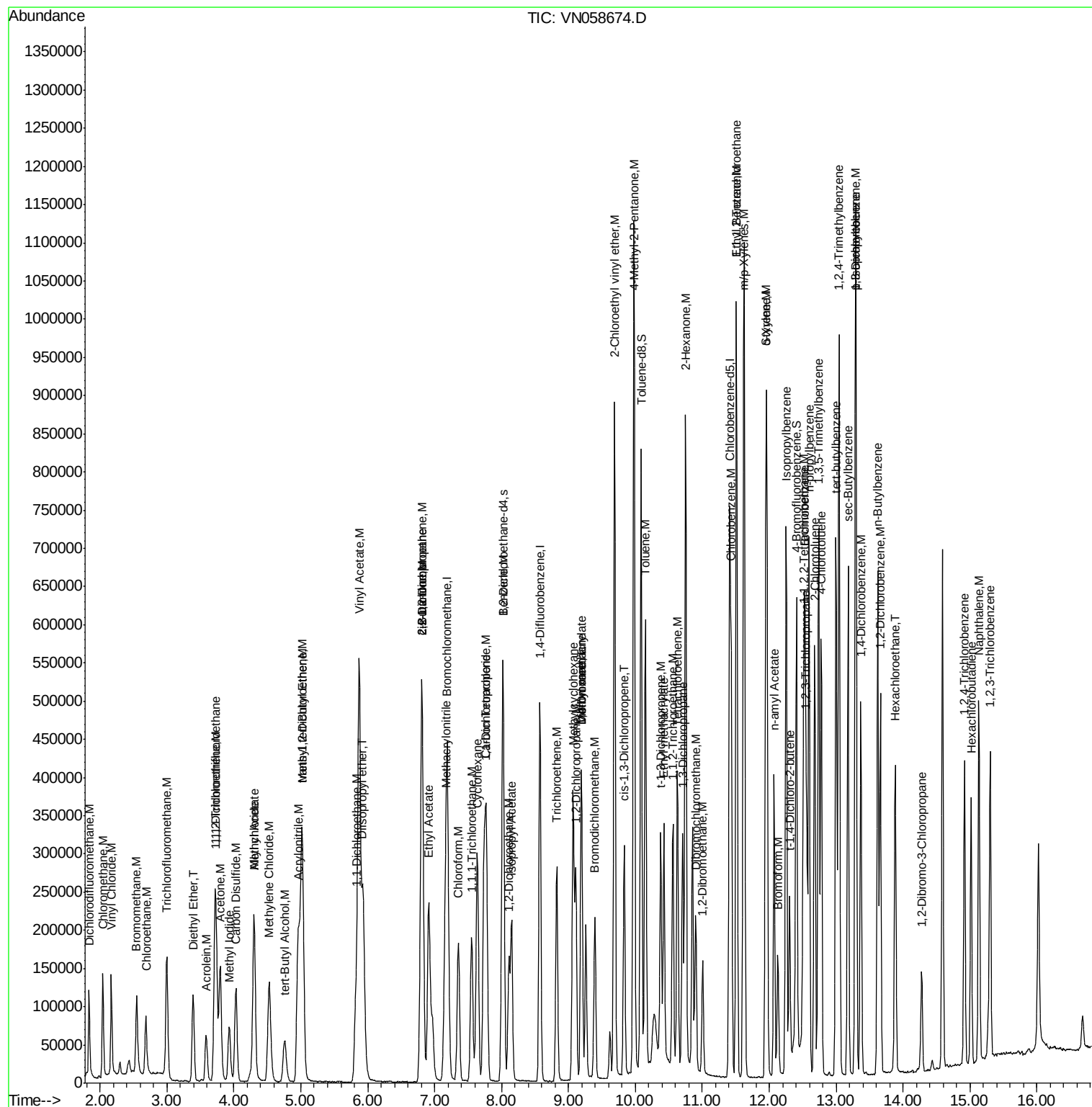
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\  
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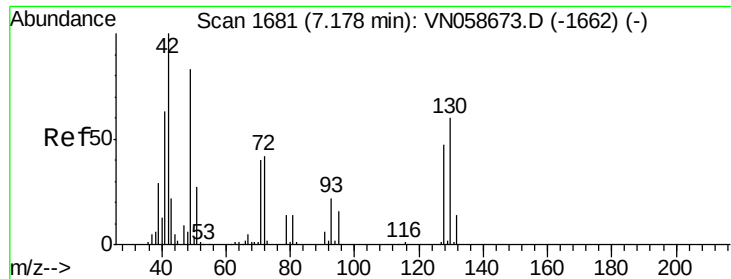
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

Manual Integrations  
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MMDadoda  
10/11/2019 2:47:42 PM

Quant Time: Oct 11 04:59:07 2019  
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Oct 11 04:26:47 2019  
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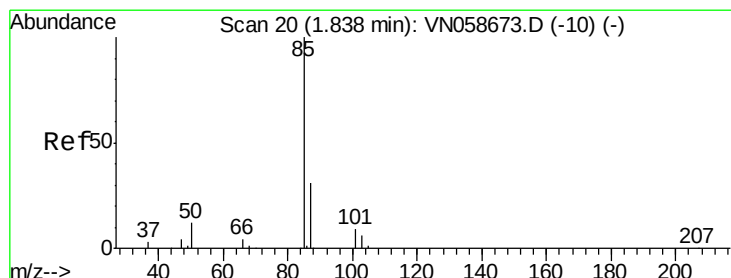
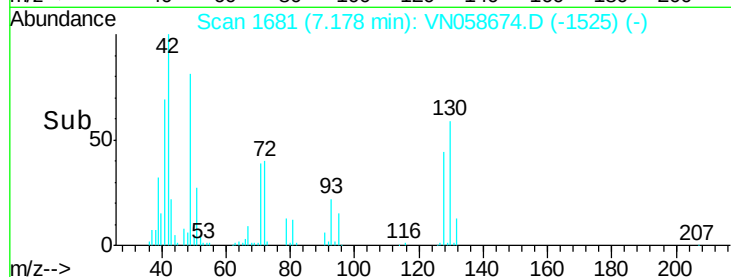
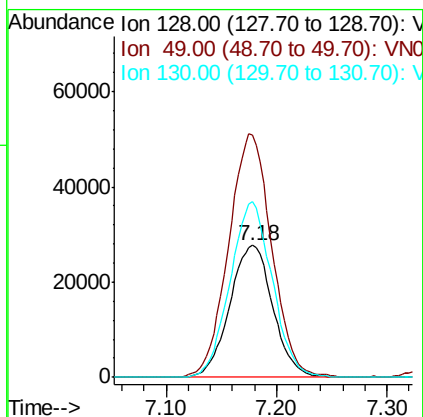
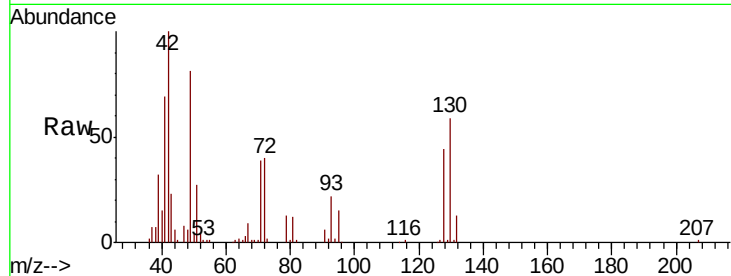
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 184.5 | 0.0   | 453.5 |
| 130     | 130.1 | 0.0   | 314.2 |

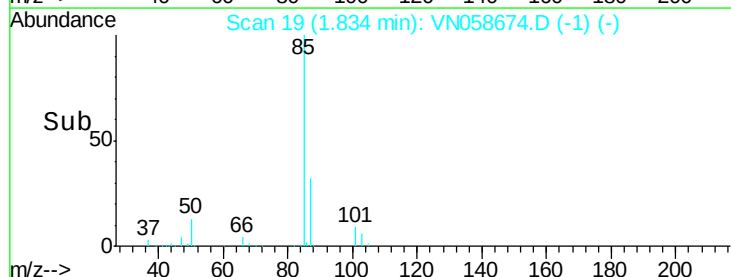
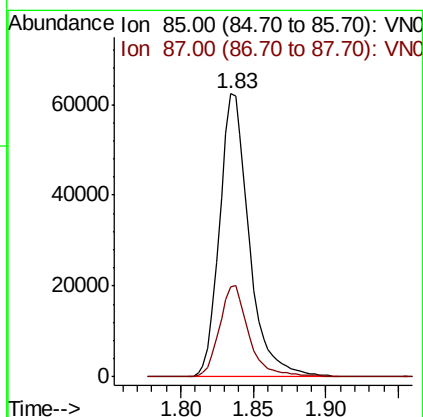
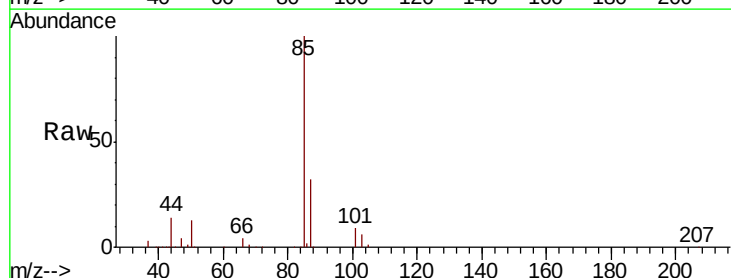
Manual Integrations  
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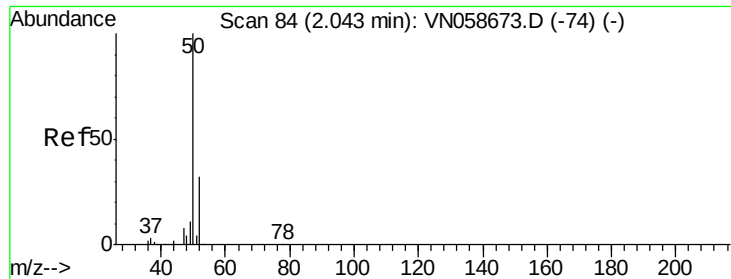
MMDadoda  
10/11/2019 2:47:42 PM



#2  
Dichlorodifluoromethane  
Concen: 21.729 ug/l  
RT: 1.83 min Scan# 19  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.9  | 15.7  | 47.0  |





#3

Chloromethane

Concen: 21.094 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN101119

Tot Ion: 50 Resp: 114545

Ion Ratio Lower Upper

50 100

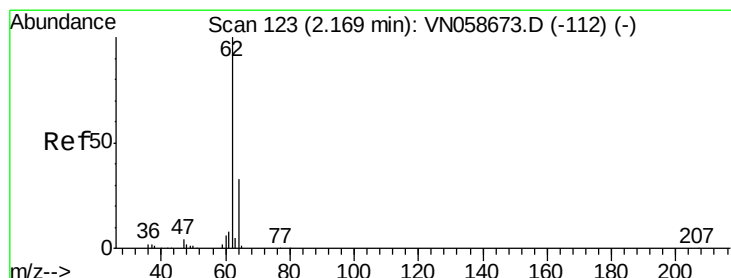
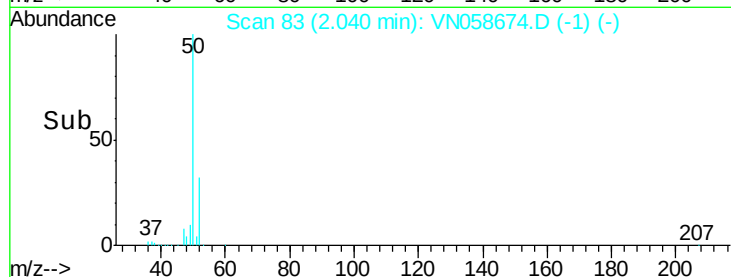
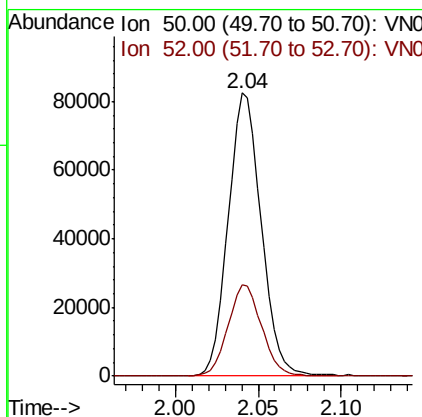
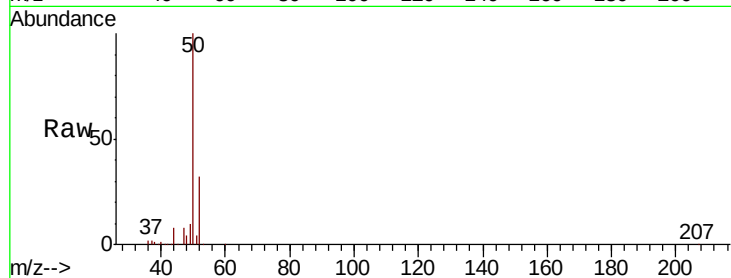
52 32.3 25.8 38.8

Manual Integrations

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10/11/2019 2:47:42 PM



#4

Vinyl Chloride

Concen: 21.765 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058674.D

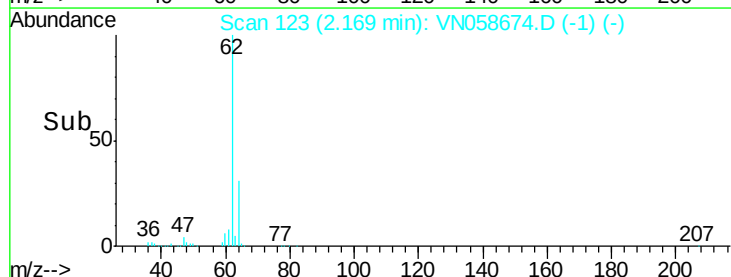
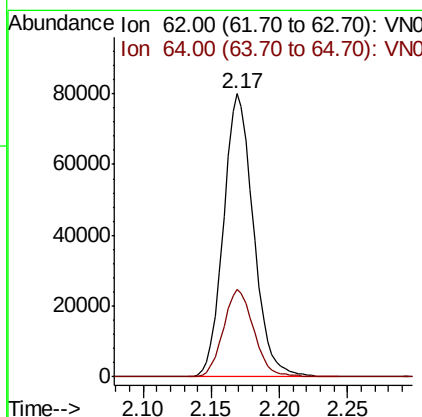
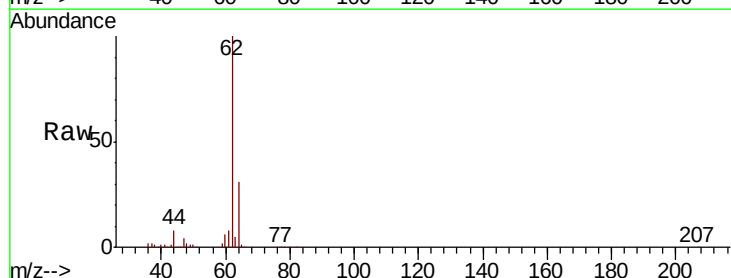
Acq: 10 Oct 2019 18:56

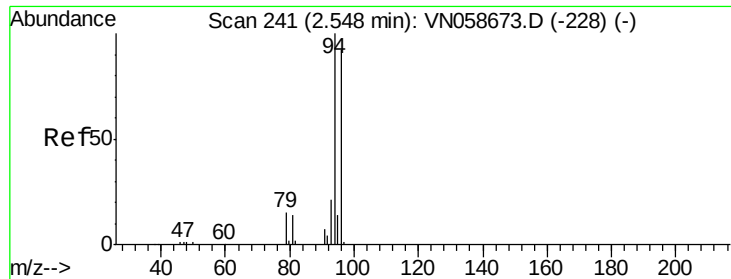
Tgt Ion: 62 Resp: 122152

Ion Ratio Lower Upper

62 100

64 30.7 26.1 39.1





#5

Bromomethane

Concen: 20.989 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN101119

Tot Ion: 94 Resp: 72729

Ion Ratio Lower Upper

94 100

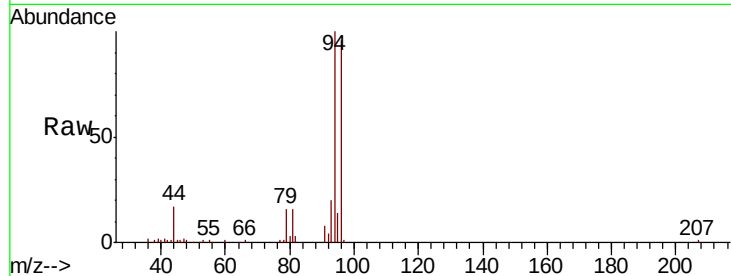
96 95.5 73.7 110.5

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.55

40000

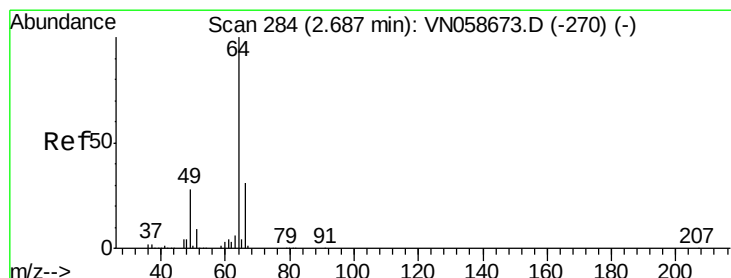
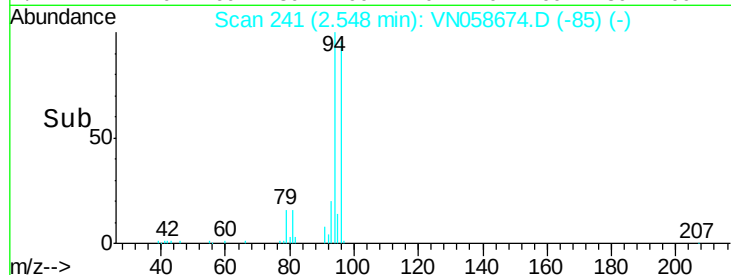
30000

20000

10000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 21.127 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058674.D

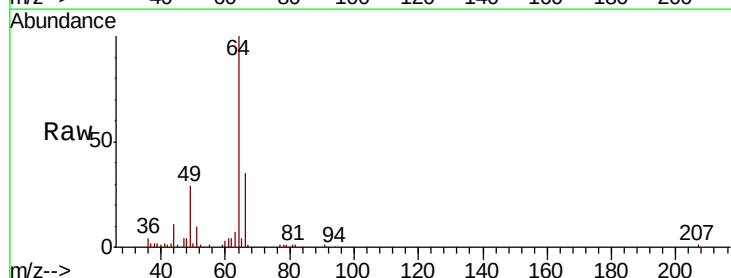
Acq: 10 Oct 2019 18:56

Tgt Ion: 64 Resp: 74530

Ion Ratio Lower Upper

64 100

66 34.7 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

40000

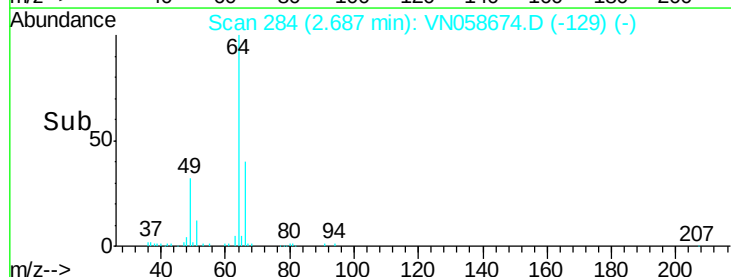
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20000

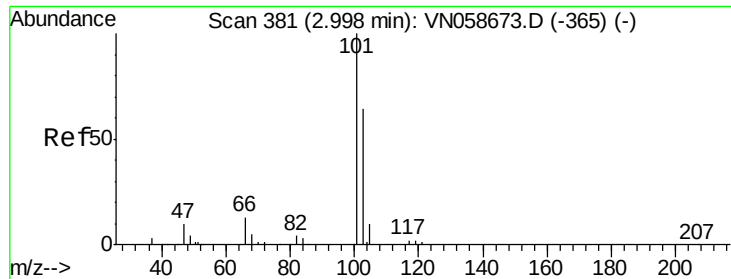
10000

0

Time--> 2.60 2.65 2.70 2.75 2.80







#7

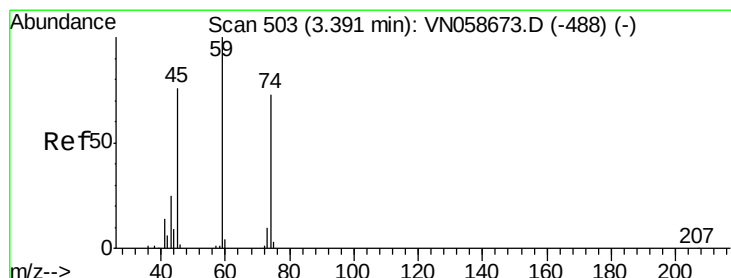
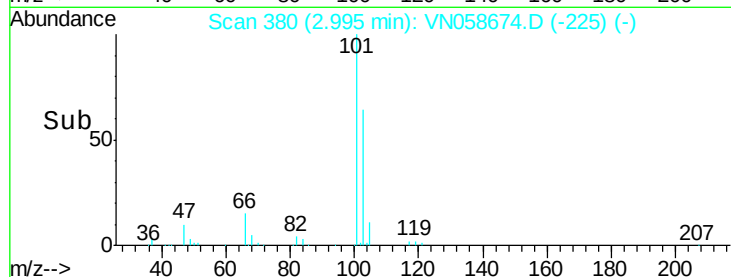
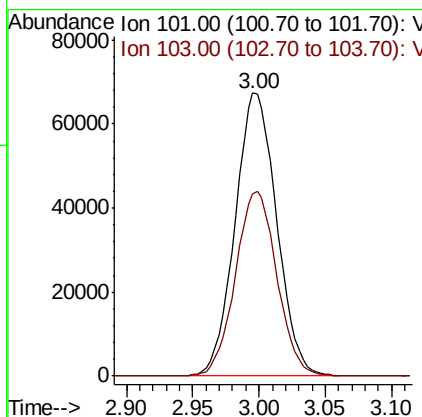
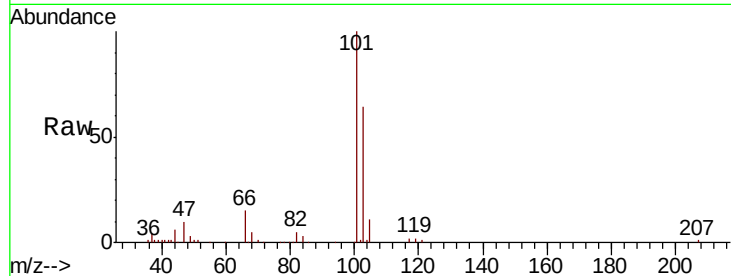
Trichlorofluoromethane  
 Concen: 21.300 ug/l  
 RT: 3.00 min Scan# 380  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 147139 |       |       |
| 103     | 64.1  | 51.5   | 77.3  |       |

Manual Integrations  
 APPROVED

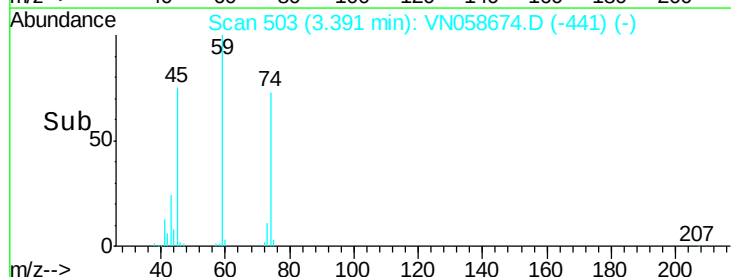
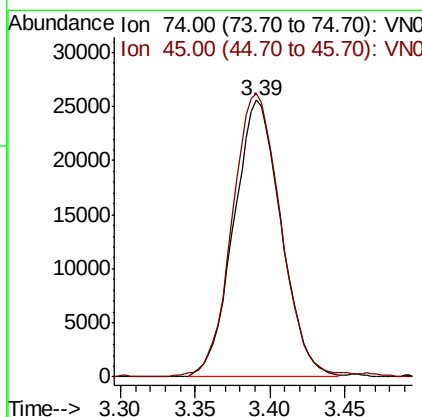
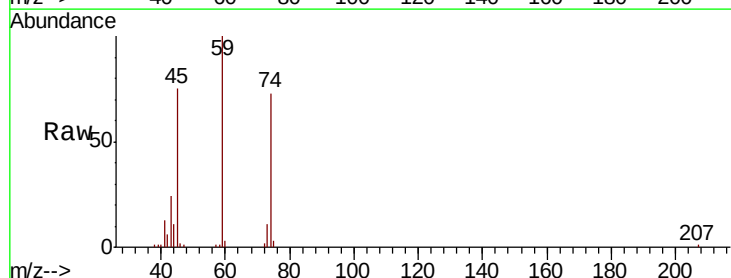
MMDadoda  
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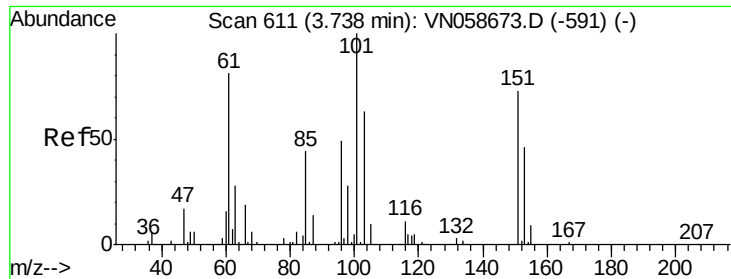
#8

Diethyl Ether  
 Concen: 21.395 ug/l  
 RT: 3.39 min Scan# 503  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 56368 |       |       |
| 45      | 104.7 | 20.6  | 185.8 |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.250 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

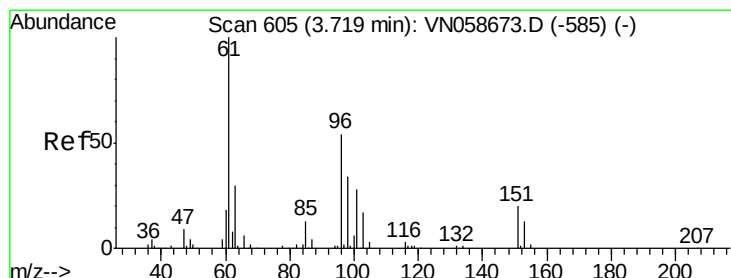
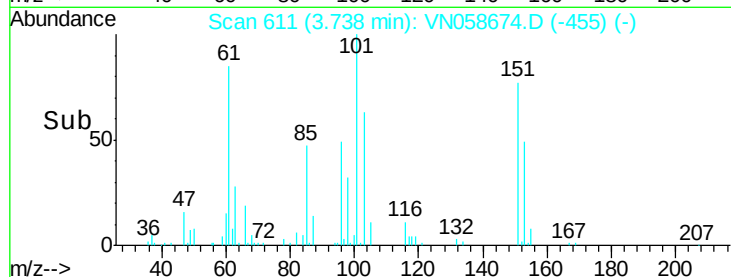
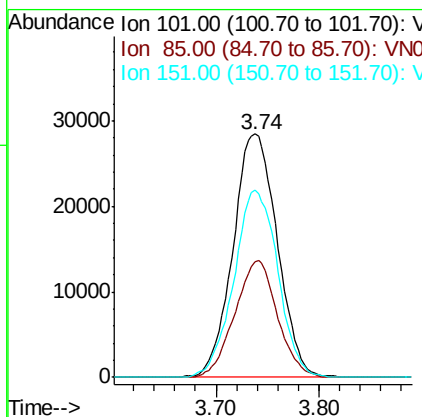
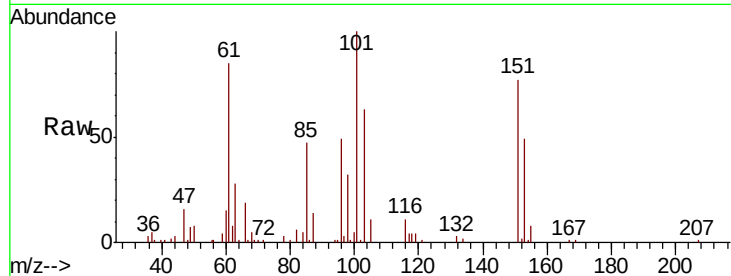
ClientSampleId :

ICVVN101119

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 84938 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.2  | 0.0   | 93.8  |
| 151       | 76.5  | 0.0   | 149.6 |

Manual Integrations  
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10/11/2019 2:47:42 PM



#10

1,1-Dichloroethene

Concen: 20.945 ug/l

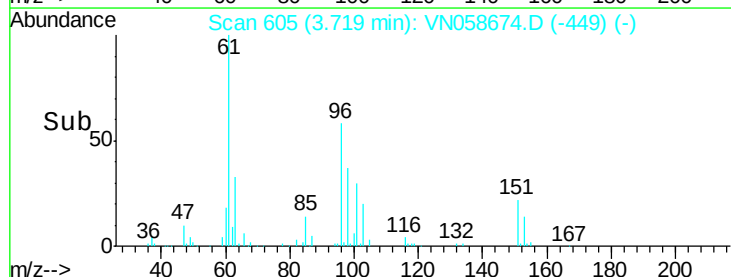
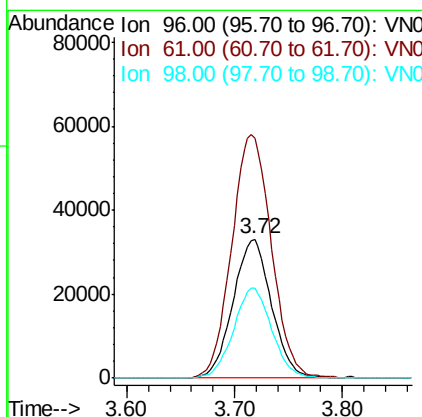
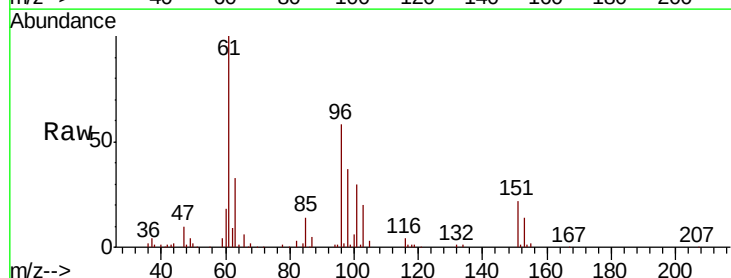
RT: 3.72 min Scan# 605

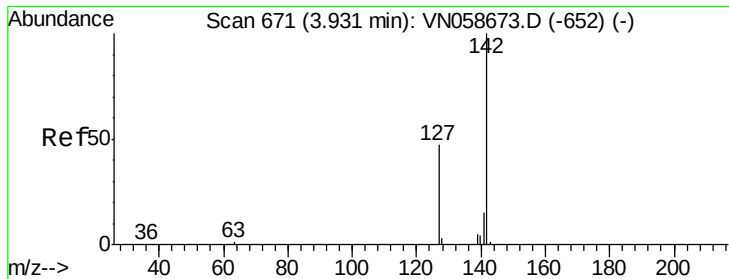
Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 82223 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 173.2 | 148.5 | 222.7 |
| 98        | 64.5  | 51.0  | 76.6  |





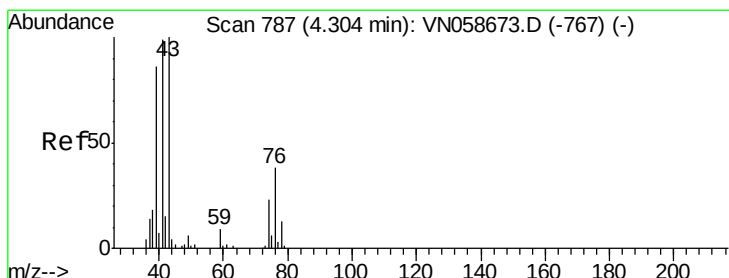
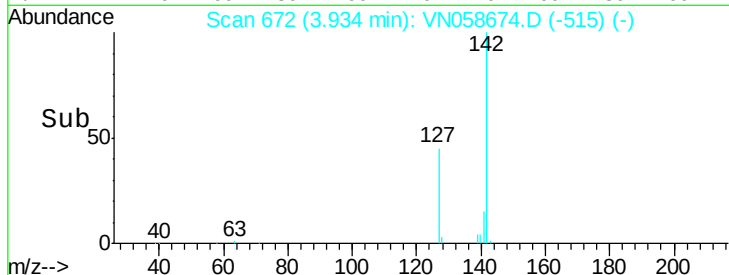
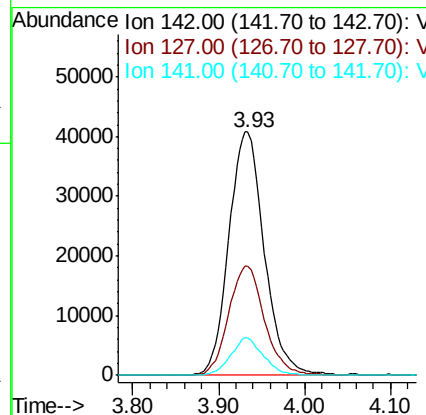
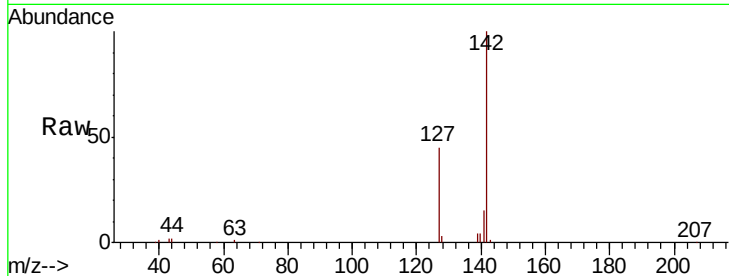
#11  
Methvl Iodide  
Concen: 21.317 ug/l  
RT: 3.93 min Scan# 672  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 44.9  | 23.5  | 70.6  |
| 141     | 15.3  | 7.4   | 22.2  |

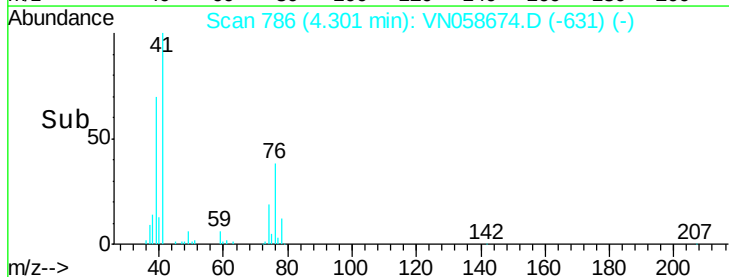
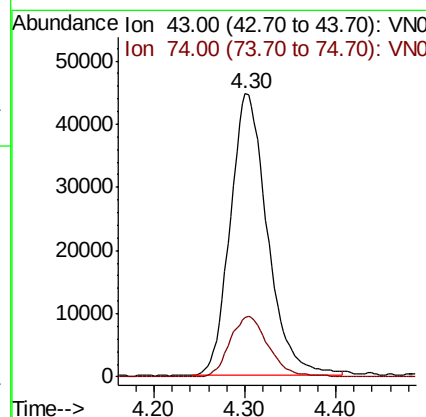
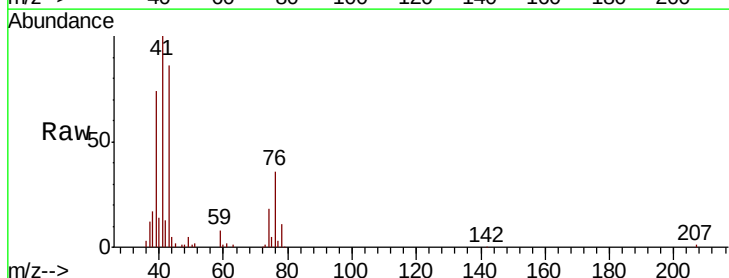
Manual Integrations  
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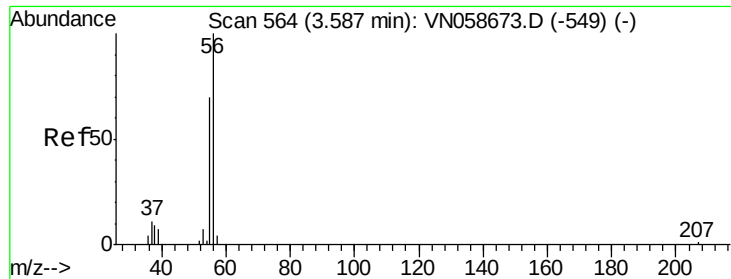
MMDadoda  
10/11/2019 2:47:42 PM



#12  
Methyl Acetate  
Concen: 20.174 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.3  | 18.1  | 27.1  |





#13

Acrolein

Concen: 95.342 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN101119

Tot Ion: 56 Resp: 66165

Ion Ratio Lower Upper

56 100

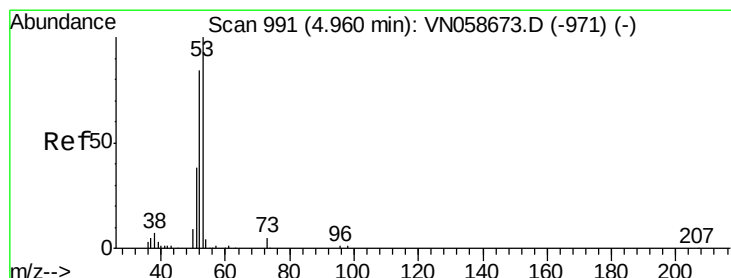
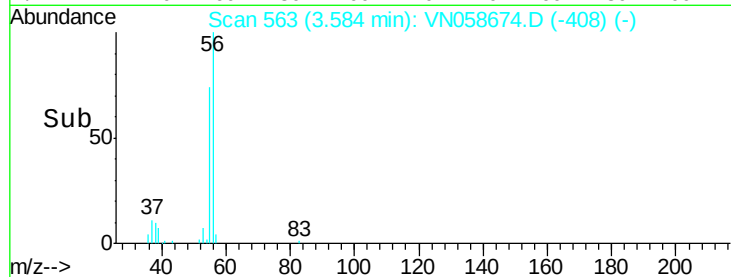
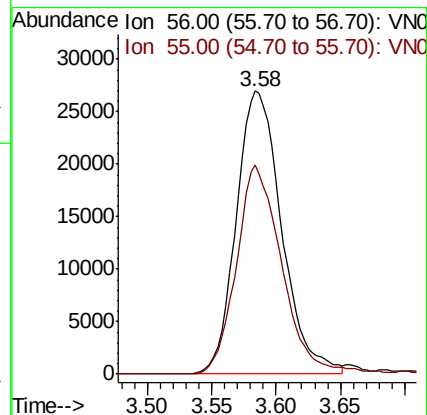
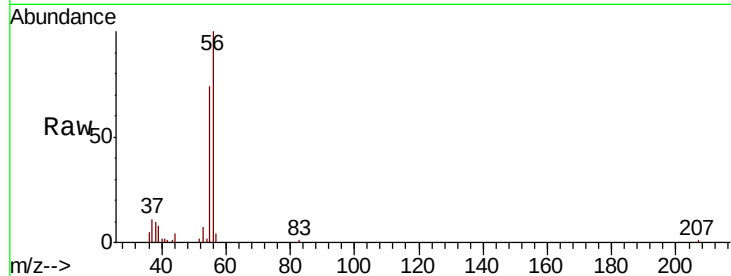
55 72.2 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 103.515 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

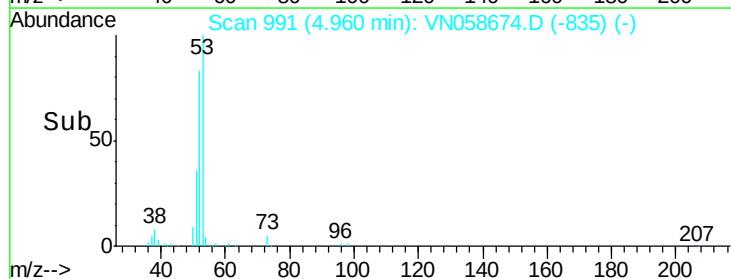
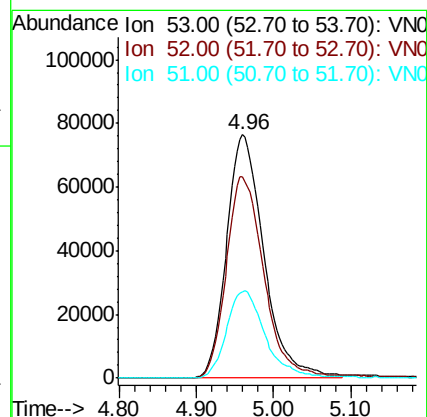
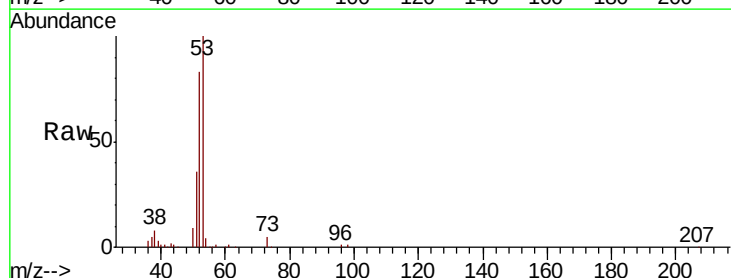
Tgt Ion: 53 Resp: 256178

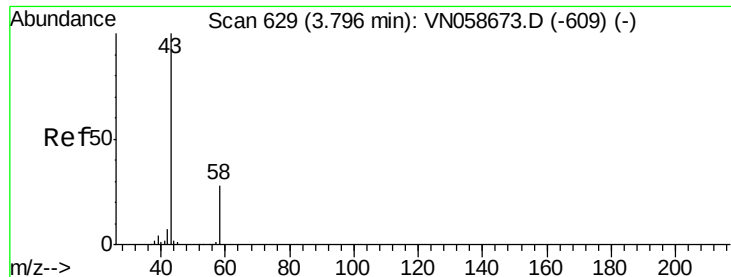
Ion Ratio Lower Upper

53 100

52 83.4 42.2 126.6

51 37.2 18.8 56.4





#15

Acetone

Concen: 98.756 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN101119

Tot Ion: 58 Resp: 72547

Ion Ratio Lower Upper

58 100

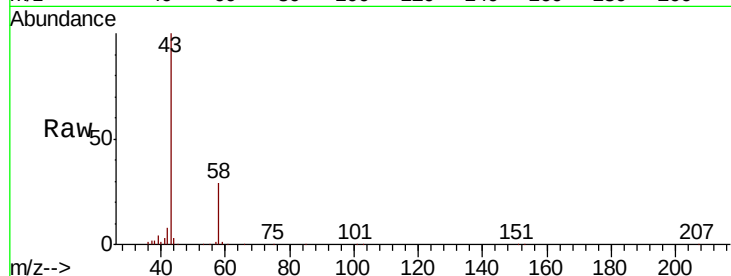
43 338.0 281.7 422.5

Manual Integrations

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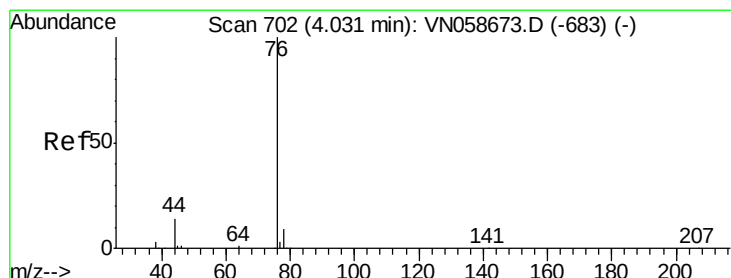
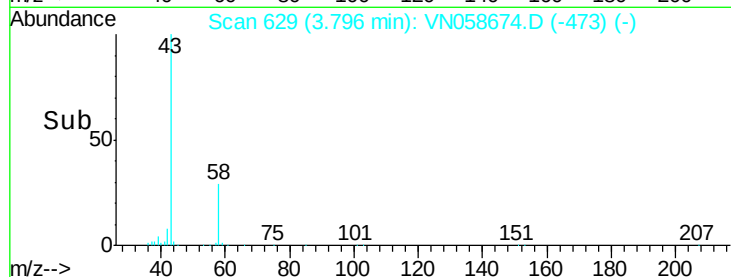
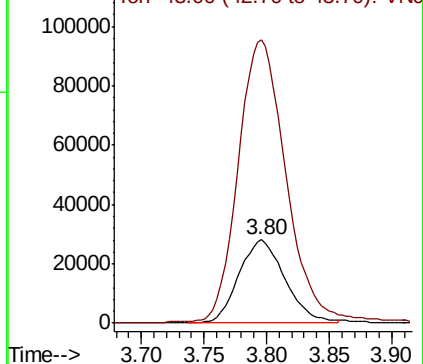
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.877 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058674.D

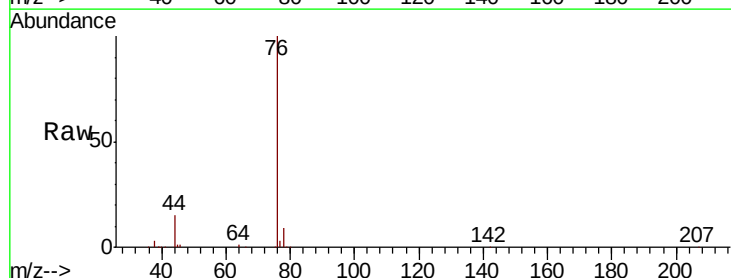
Acq: 10 Oct 2019 18:56

Tgt Ion: 76 Resp: 239043

Ion Ratio Lower Upper

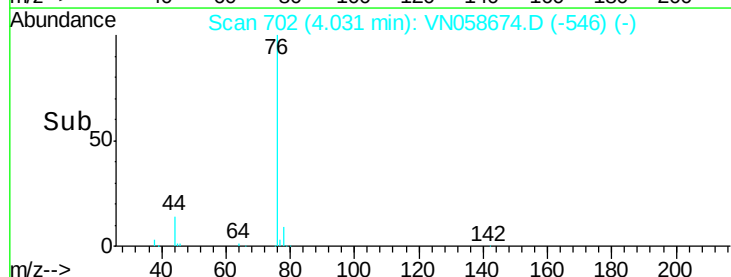
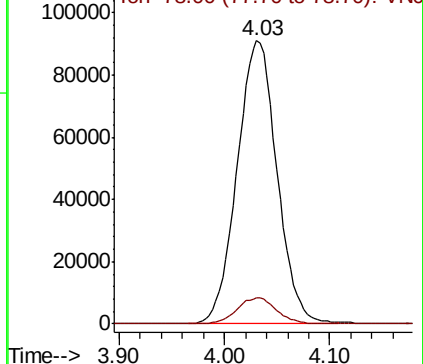
76 100

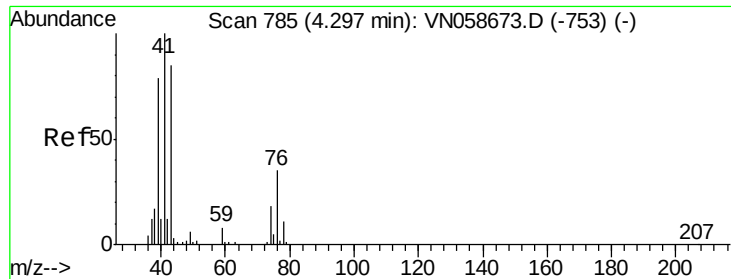
78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





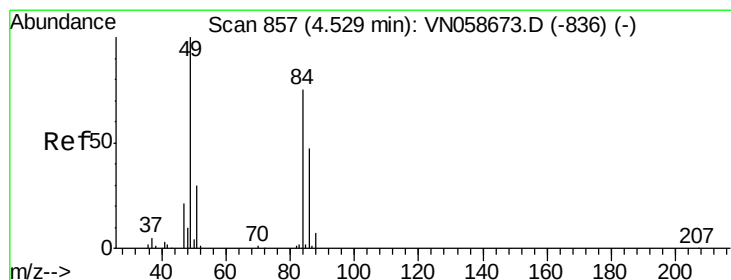
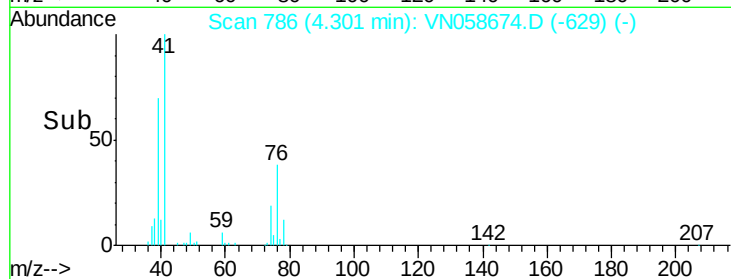
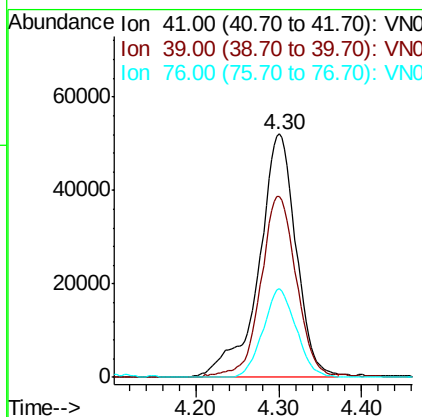
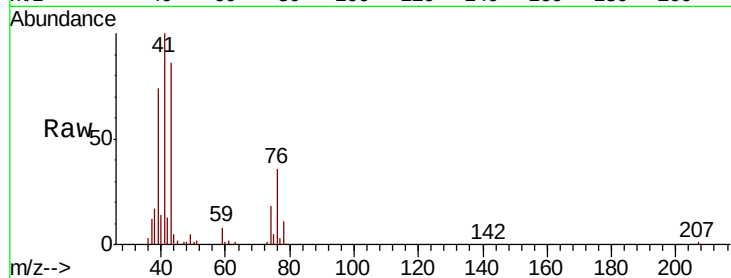
#17  
Allvl chloride  
Concen: 20.744 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 162085 |       |       |
| 39      | 74.7  |        | 39.6  | 118.8 |
| 76      | 36.5  |        | 17.6  | 52.9  |

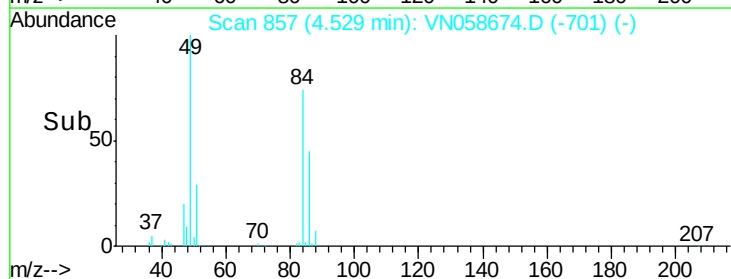
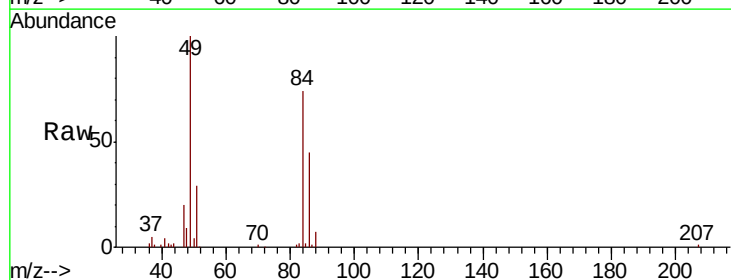
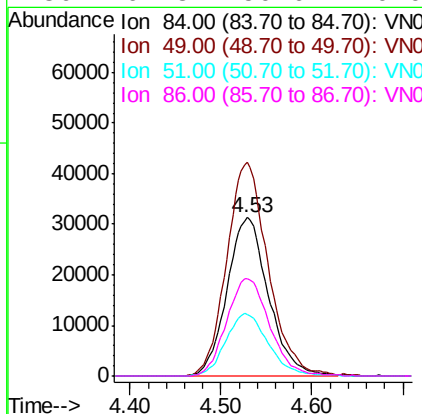
Manual Integrations  
APPROVED

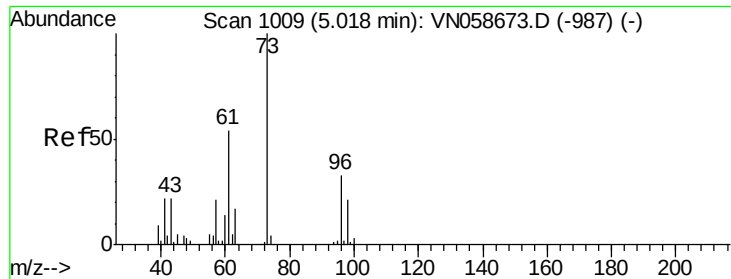
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#18  
Methylene Chloride  
Concen: 20.842 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 84      | 100   | 99079 |       |       |
| 49      | 134.4 |       | 106.6 | 160.0 |
| 51      | 39.2  |       | 32.4  | 48.6  |
| 86      | 61.3  |       | 50.6  | 76.0  |





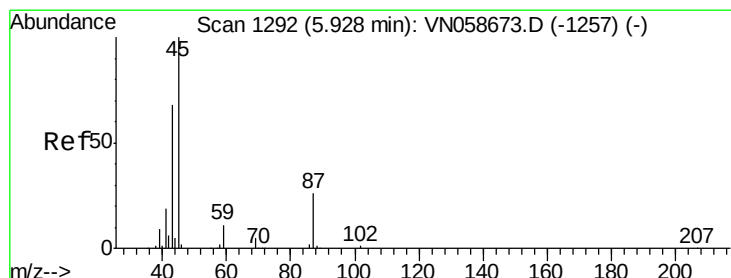
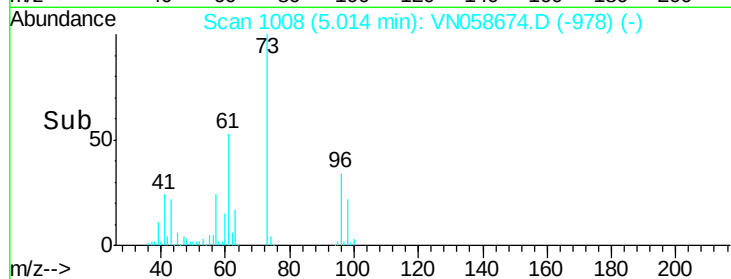
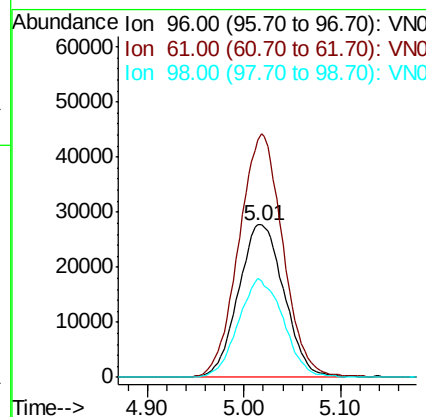
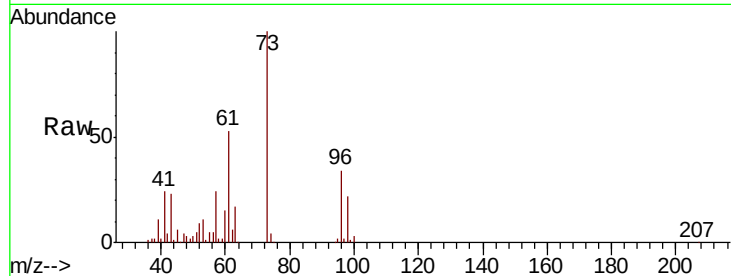
#19  
trans-1,2-Dichloroethene  
Concen: 21.304 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 154.9 | 131.8 | 197.6 |
| 98      | 65.1  | 52.6  | 79.0  |

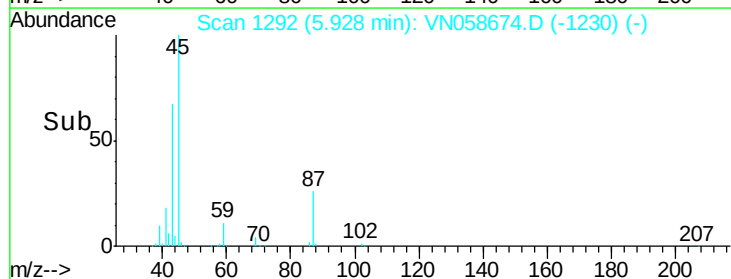
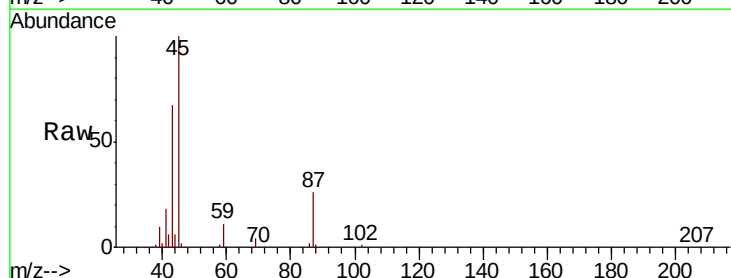
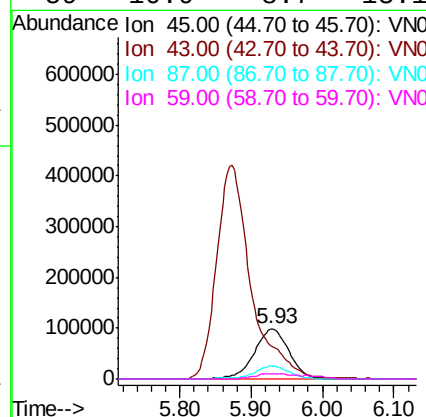
Manual Integrations  
APPROVED

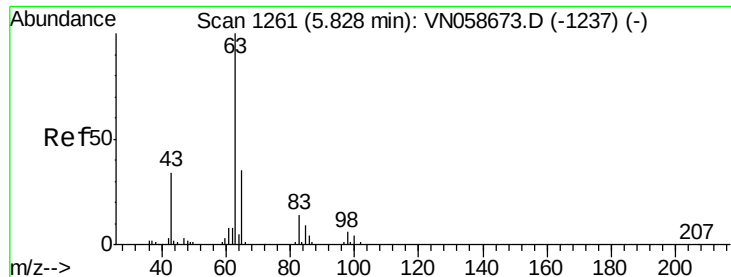
MMDadoda  
10/11/2019 2:47:42 PM



#20  
Diisopropyl ether  
Concen: 21.094 ug/l  
RT: 5.93 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 65.3  | 54.7  | 82.1  |
| 87      | 25.7  | 21.5  | 32.3  |
| 59      | 10.9  | 8.7   | 13.1  |





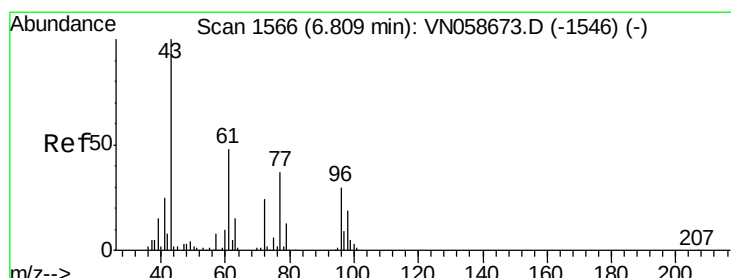
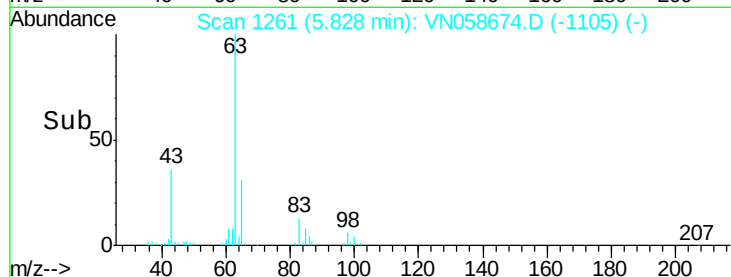
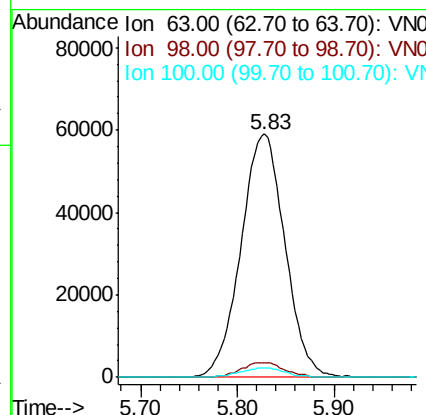
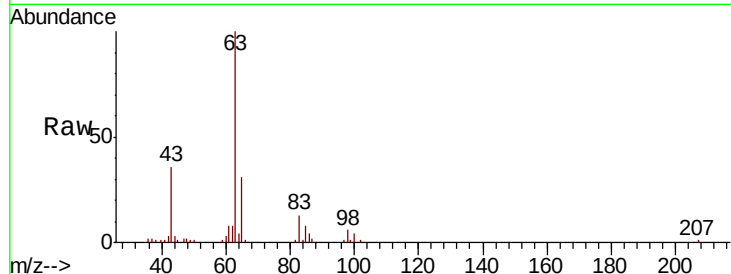
#21  
 1,1-Dichloroethane  
 Concen: 21.144 ug/l  
 RT: 5.83 min Scan# 1261  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 63      | 100   |            |       |
| 98      | 6.0   | 2.9        | 8.6   |
| 100     | 3.8   | 1.8        | 5.5   |

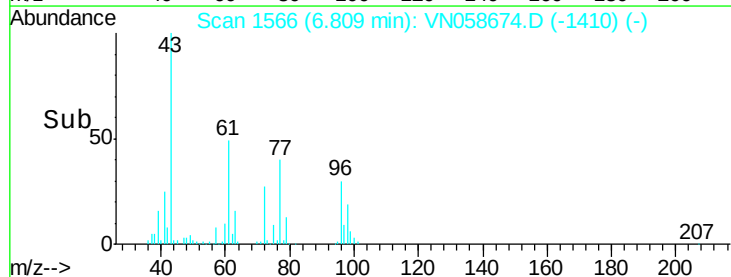
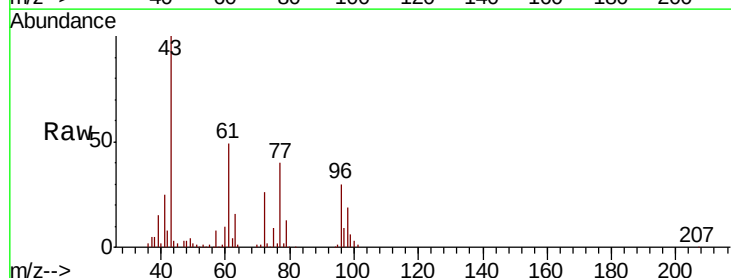
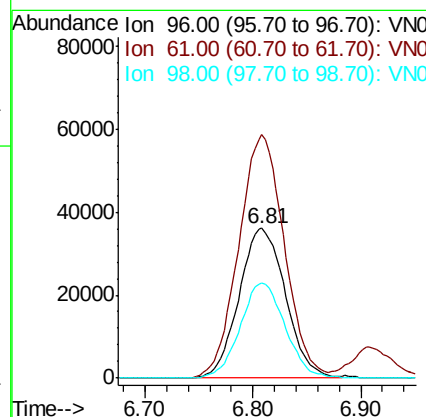
Manual Integrations  
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 10/11/2019 2:47:42 PM

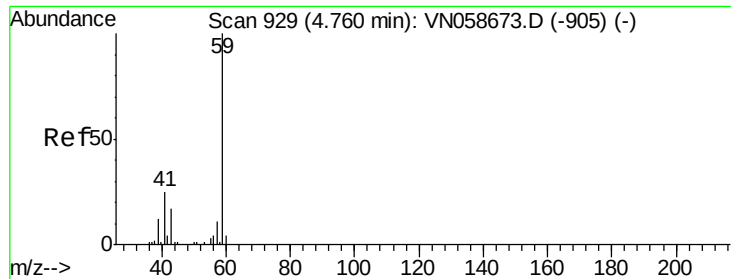


#22  
 cis-1,2-Dichloroethene  
 Concen: 21.196 ug/l  
 RT: 6.81 min Scan# 1566  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 96      | 100   |            |       |
| 61      | 159.3 | 127.2      | 190.8 |
| 98      | 61.4  | 50.5       | 75.7  |







#23

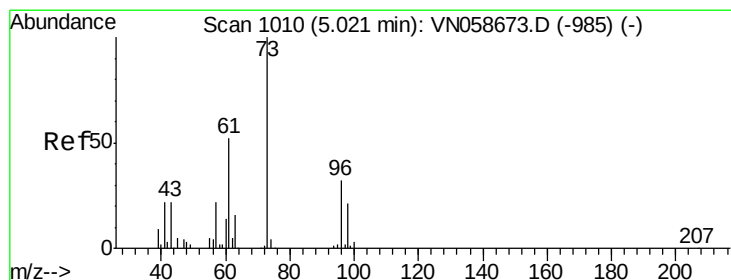
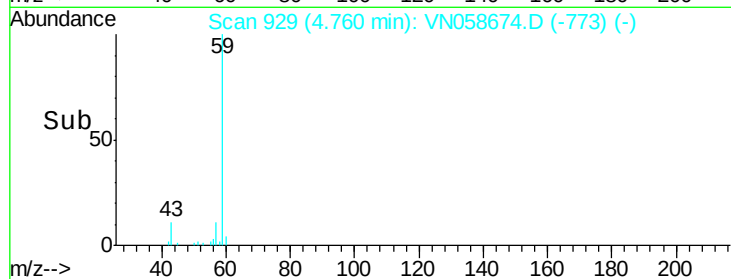
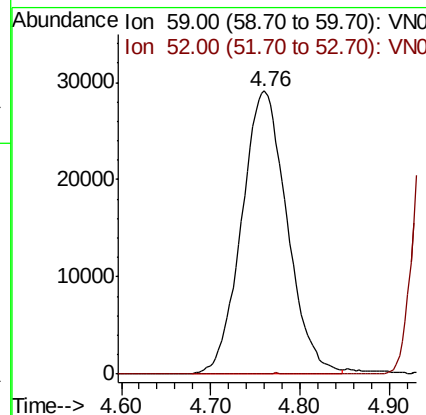
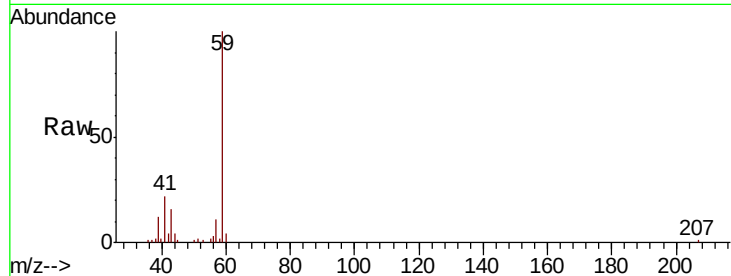
tert-Butyl Alcohol  
 Concen: 101.760 ug/l  
 RT: 4.76 min Scan# 929  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

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

Manual Integrations  
 APPROVED

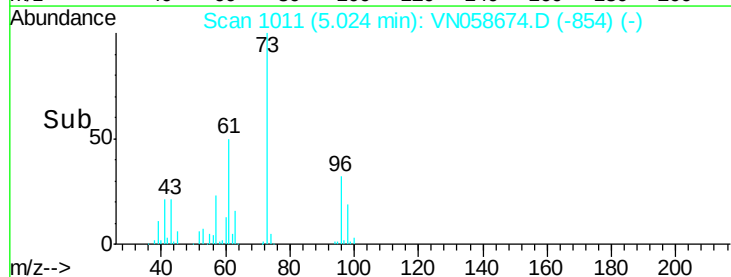
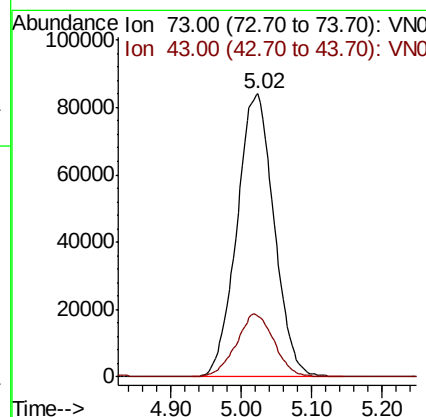
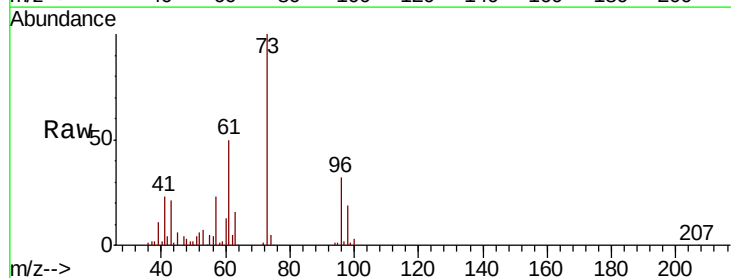
MMDadoda  
 10/11/2019 2:47:42 PM

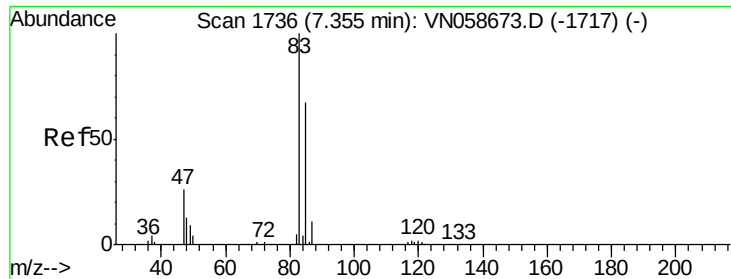


#24

Methyl tert-Butyl Ether  
 Concen: 21.105 ug/l  
 RT: 5.02 min Scan# 1011  
 Delta R.T. 0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 22.3  | 17.9  | 26.9  |





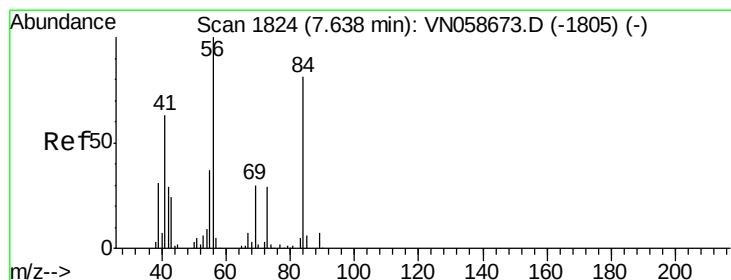
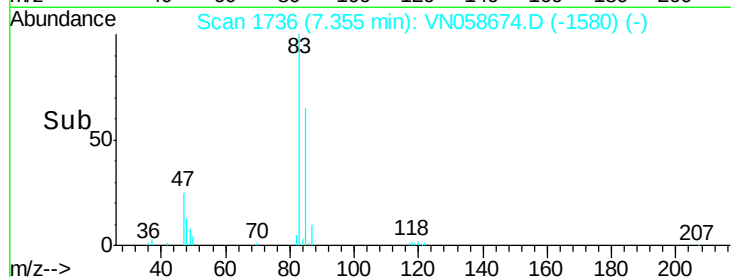
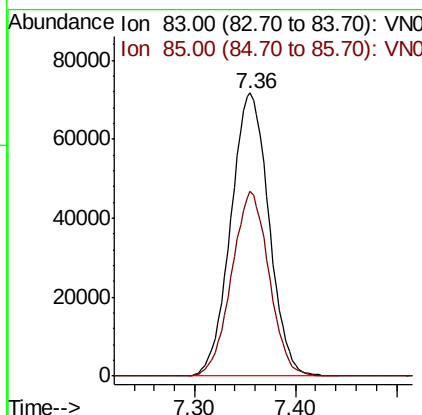
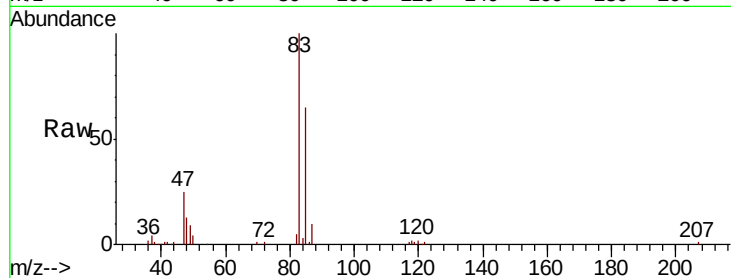
#25  
Chloroform  
Concen: 21.369 ug/l  
RT: 7.36 min Scan# 1736  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion   | 83   | Resp  | 187875 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 65.3 | 53.8  | 80.8   |

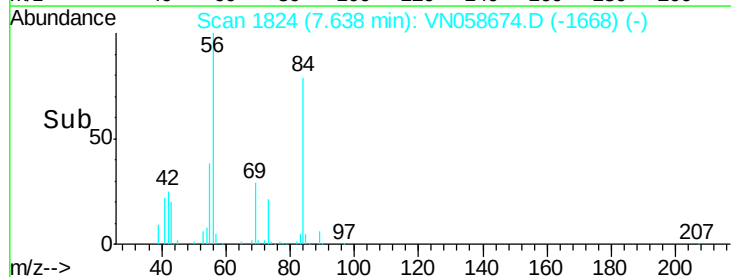
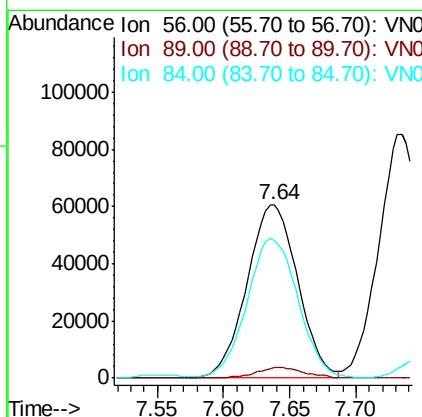
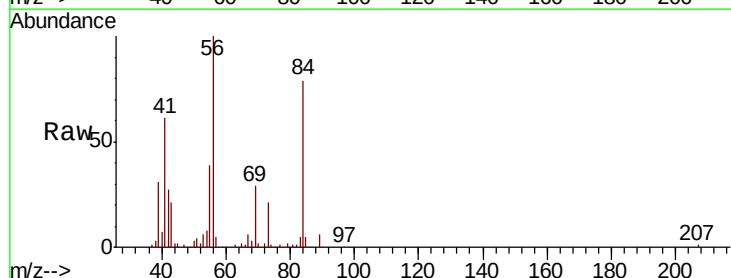
Manual Integrations  
APPROVED

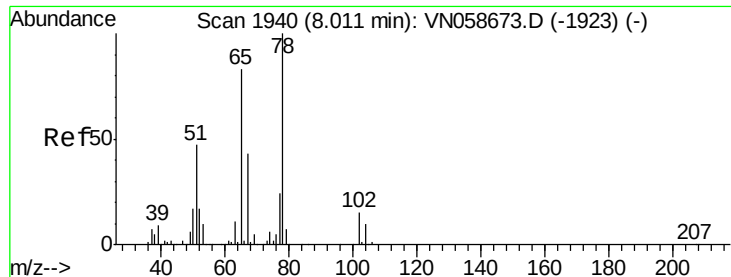
MMDadoda  
10/11/2019 2:47:42 PM



#26  
Cyclohexane  
Concen: 20.882 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion   | 56   | Resp  | 161573 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 56        | 100  |       |        |
| 89        | 5.8  | 6.2   | 9.2#   |
| 84        | 81.5 | 65.6  | 98.4   |





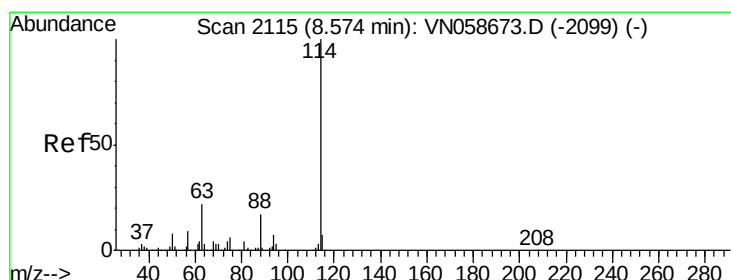
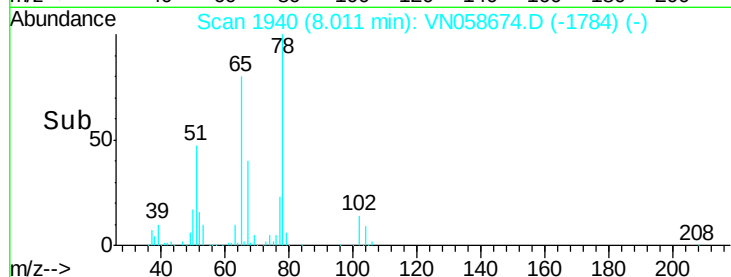
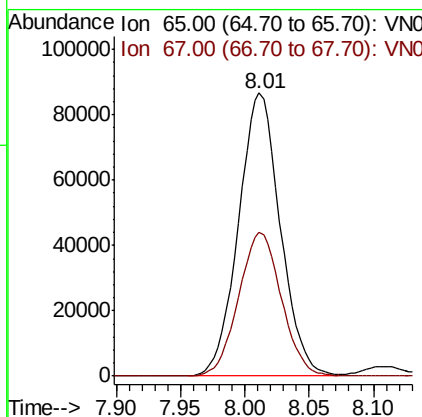
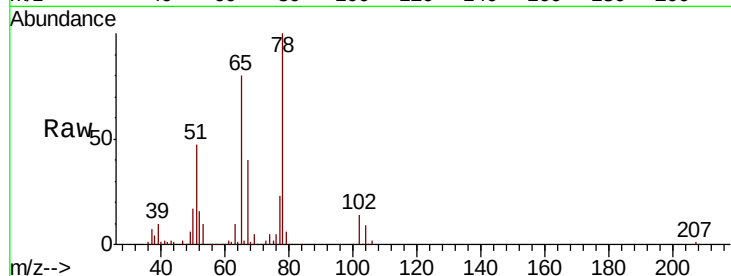
#27  
 1,2-Dichloroethane-d4  
 Concen: 30.746 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. 0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 195792 |       |       |
| 67      | 52.0  | 41.5   | 62.3  |       |

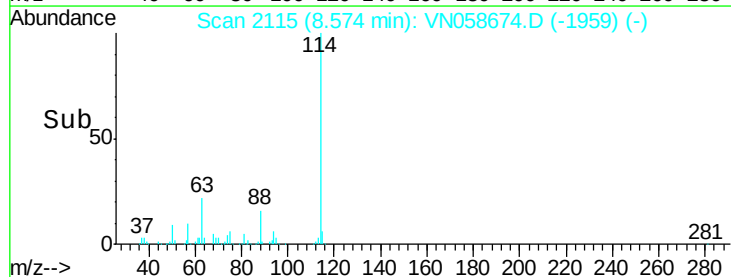
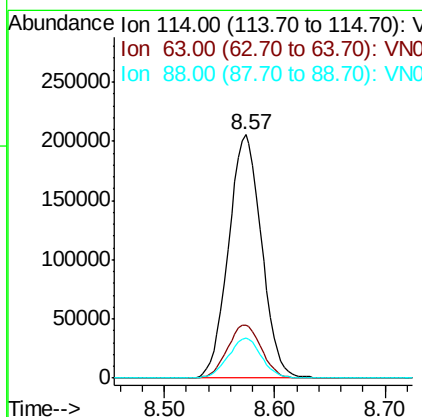
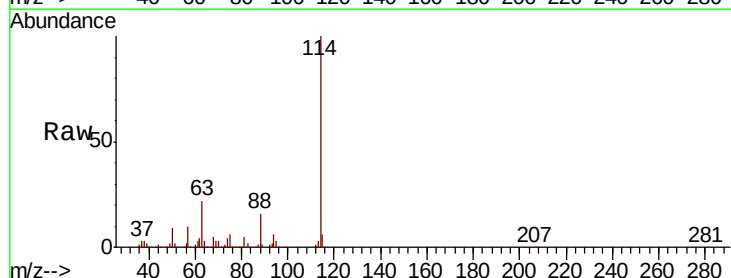
Manual Integrations  
 APPROVED

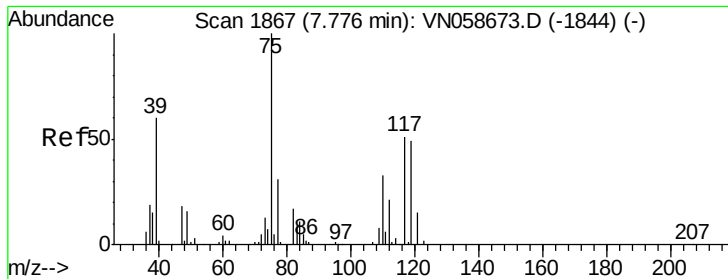
MMDadoda  
 10/11/2019 2:47:42 PM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 426729 |       |       |
| 63      | 22.5  | 18.1   | 27.1  |       |
| 88      | 16.5  | 13.0   | 19.4  |       |





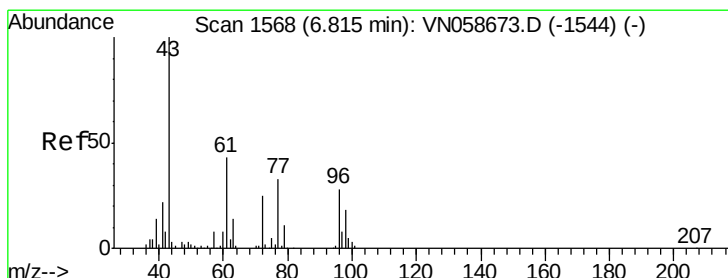
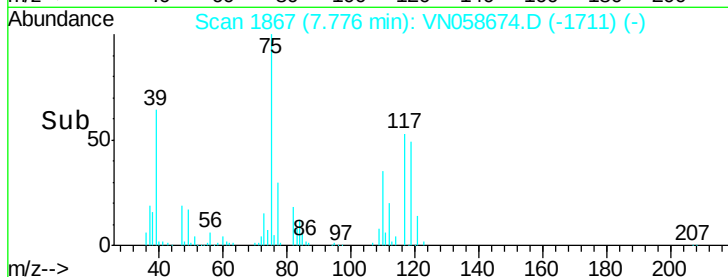
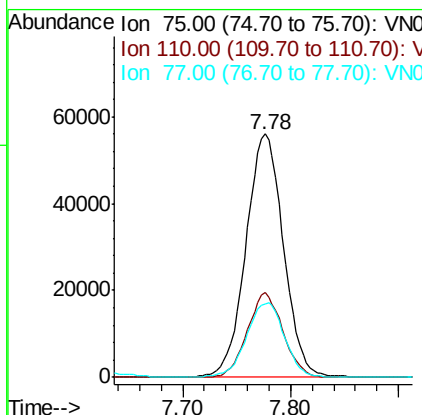
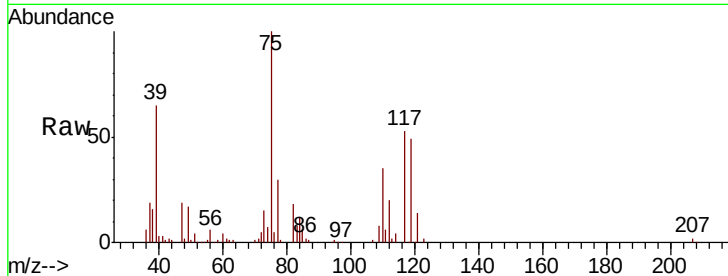
#29  
 1,1-Dichloropropene  
 Concen: 20.172 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 32.9  | 0.0        | 64.6  |
| 77      | 31.0  | 0.0        | 60.8  |

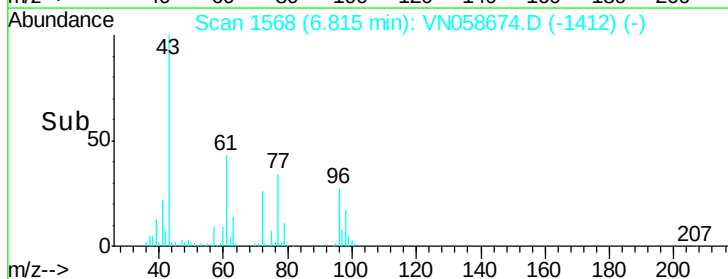
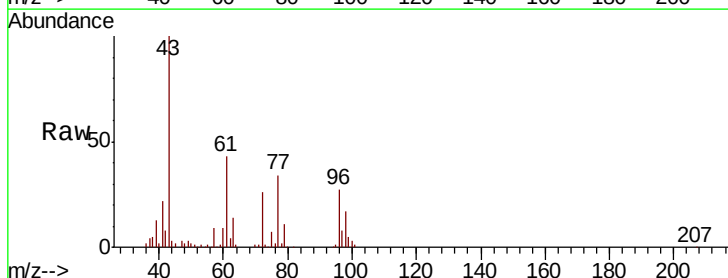
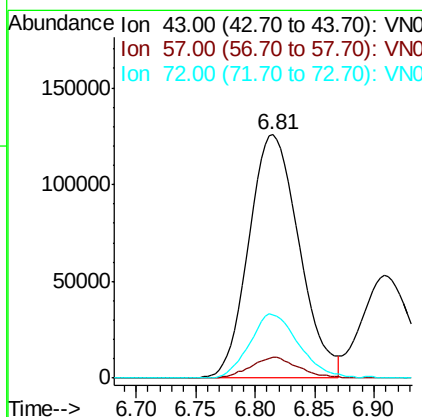
Manual Integrations  
 APPROVED

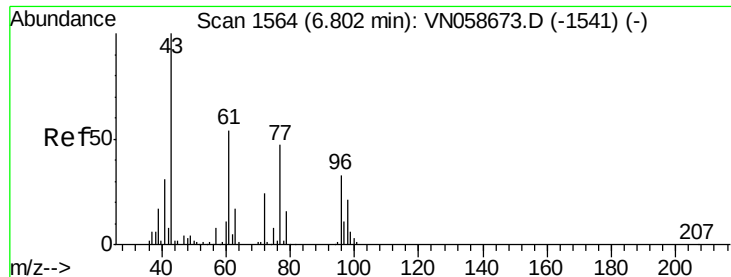
MMDadoda  
 10/11/2019 2:47:42 PM



#30  
 2-Butanone  
 Concen: 96.844 ug/l  
 RT: 6.81 min Scan# 1568  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 8.3   | 6.5        | 9.7   |
| 72      | 25.8  | 20.1       | 30.1  |





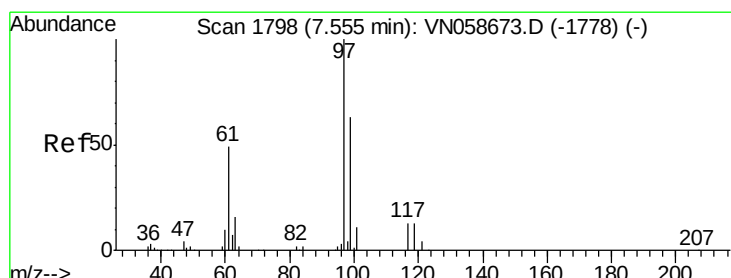
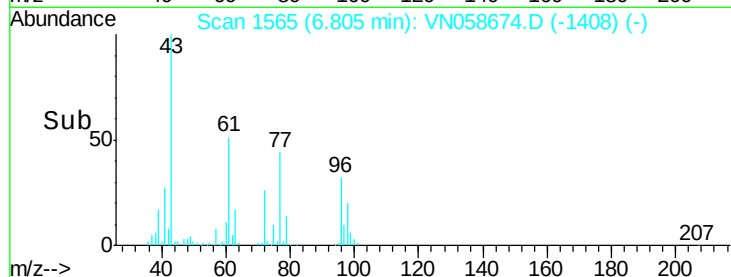
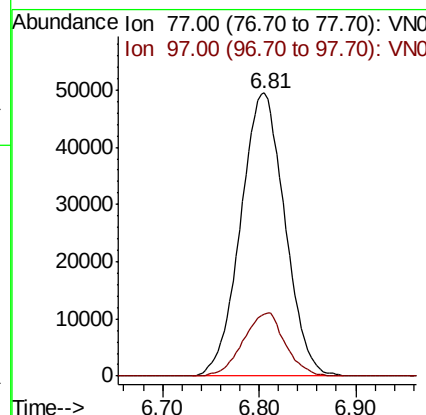
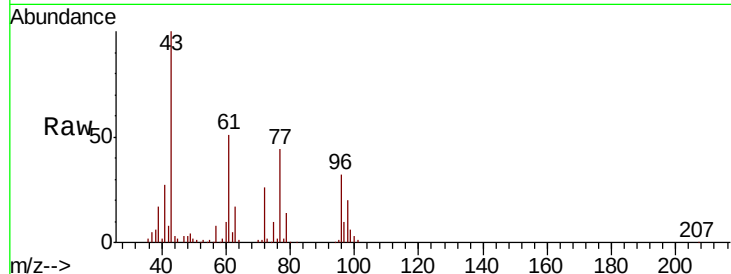
#31  
 2,2-Dichloropropane  
 Concen: 19.857 ug/l  
 RT: 6.81 min Scan# 1565  
 Delta R.T. 0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 21.3  | 17.9  | 26.9  |

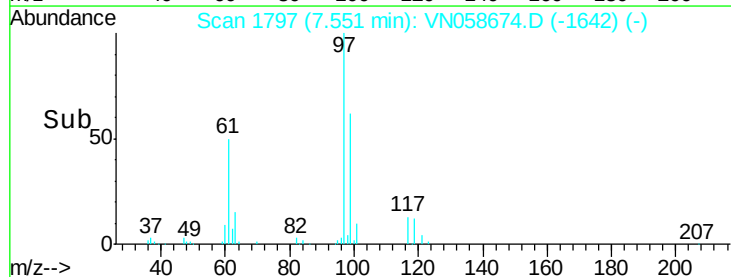
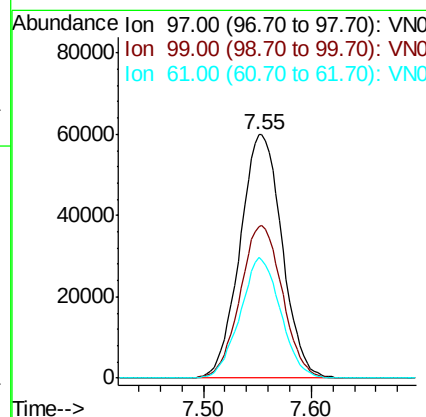
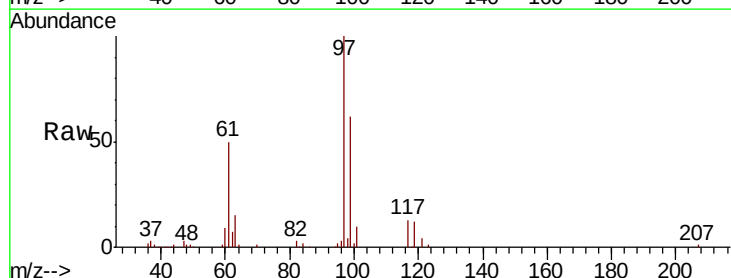
Manual Integrations  
 APPROVED

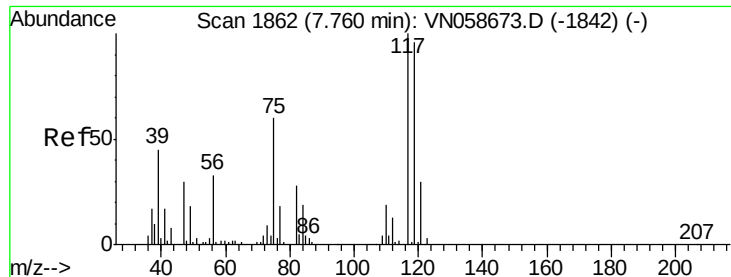
MMDadoda  
 10/11/2019 2:47:42 PM



#32  
 1,1,1-Trichloroethane  
 Concen: 20.896 ug/l  
 RT: 7.55 min Scan# 1797  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.8  | 51.3  | 76.9  |
| 61      | 47.5  | 38.4  | 57.6  |





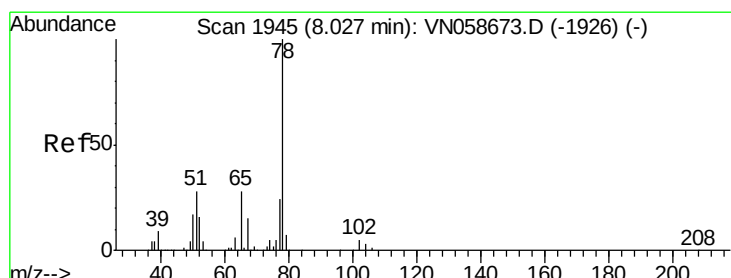
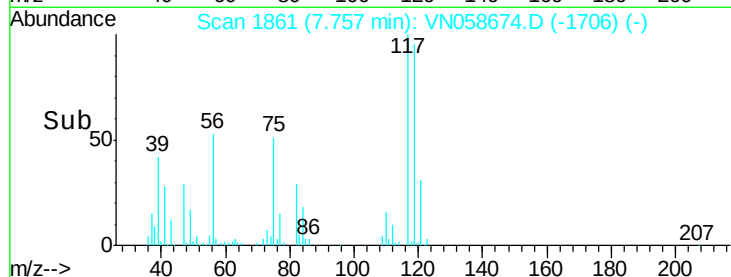
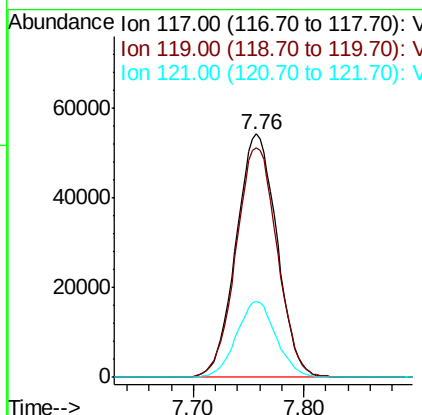
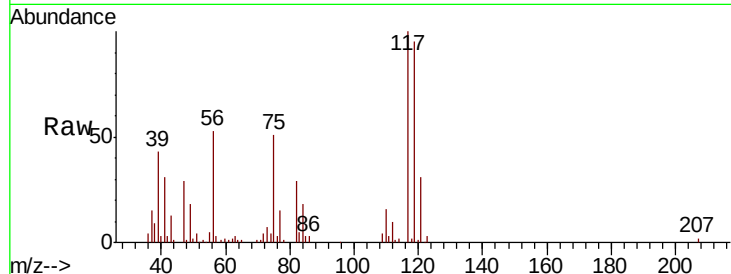
#33  
Carbon Tetrachloride  
Concen: 20.676 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVFN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.5  | 76.9  | 115.3 |
| 121     | 31.2  | 23.8  | 35.8  |

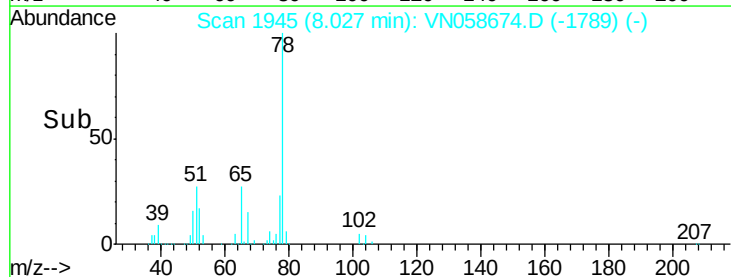
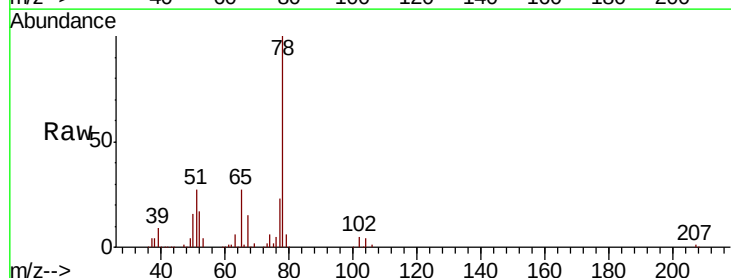
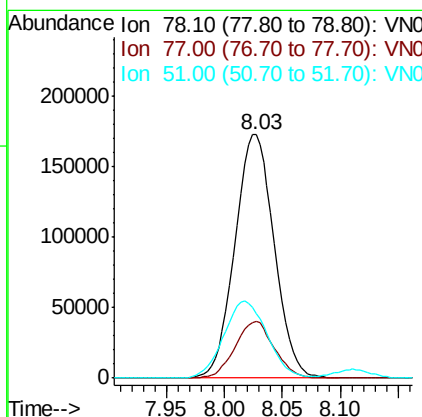
Manual Integrations  
APPROVED

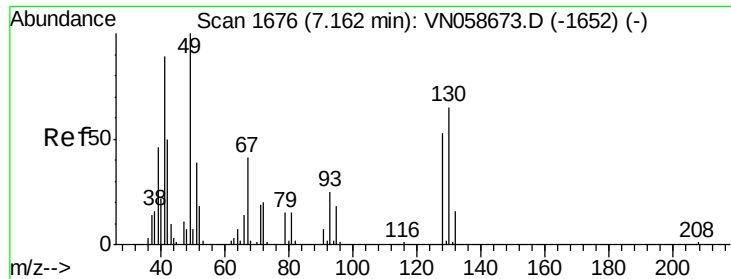
MMDadoda  
10/11/2019 2:47:42 PM



#34  
Benzene  
Concen: 20.609 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.5  | 19.2  | 28.8  |
| 51      | 26.3  | 22.1  | 33.1  |





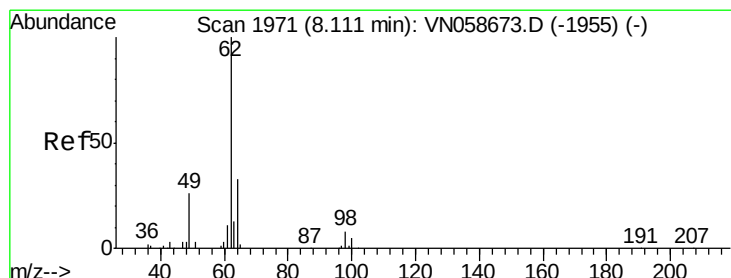
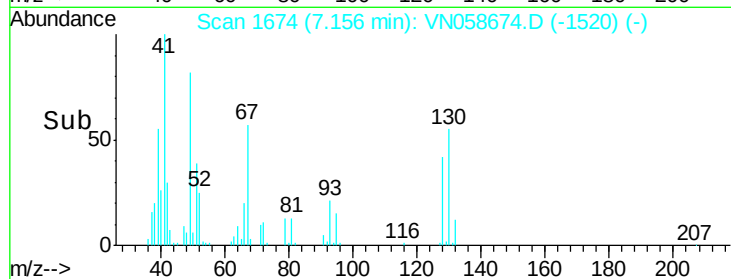
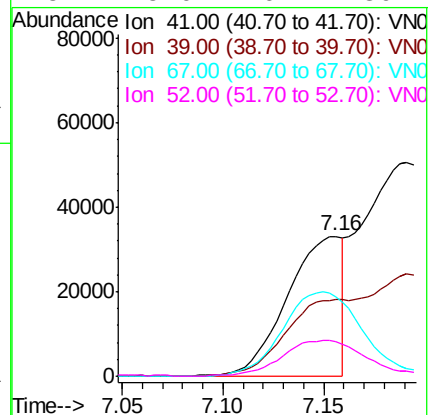
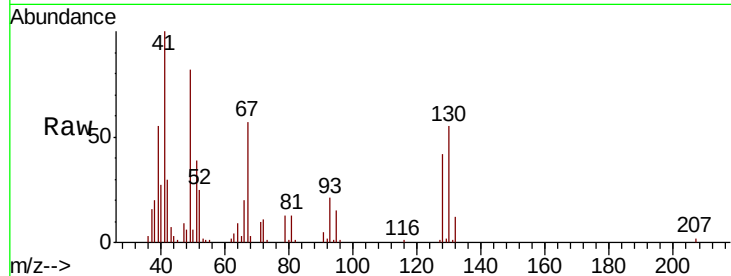
#35  
Methacrylonitrile  
Concen: 18.709 ug/l  
RT: 7.16 min Scan# 1674  
Delta R.T. -0.01 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 55.3  | 25.8  | 77.4  |
| 67      | 56.6  | 23.0  | 69.0  |
| 52      | 25.0  | 10.1  | 30.1  |

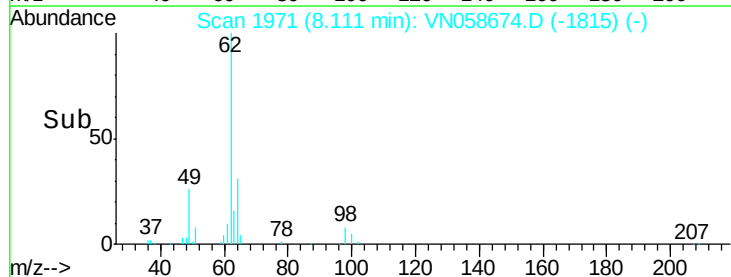
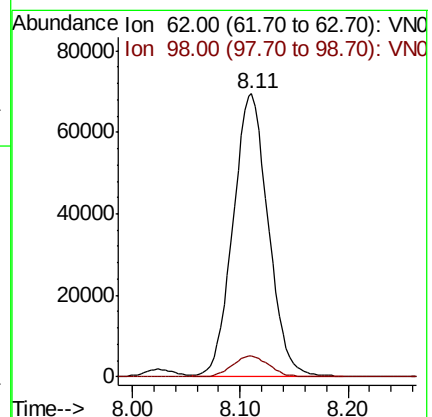
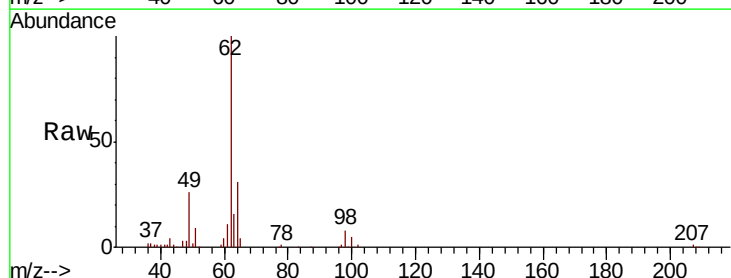
Manual Integrations  
APPROVED

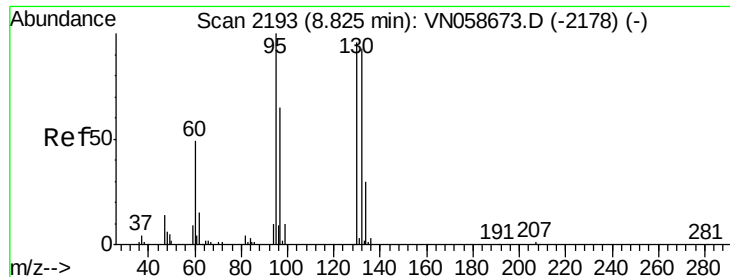
MMDadoda  
10/11/2019 2:47:42 PM



#36  
1,2-Dichloroethane  
Concen: 20.943 ug/l  
RT: 8.11 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 7.7   | 6.4   | 9.6   |





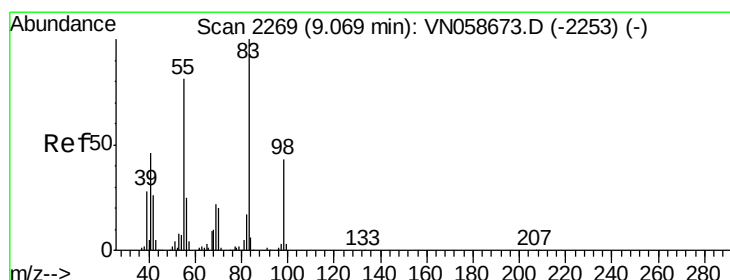
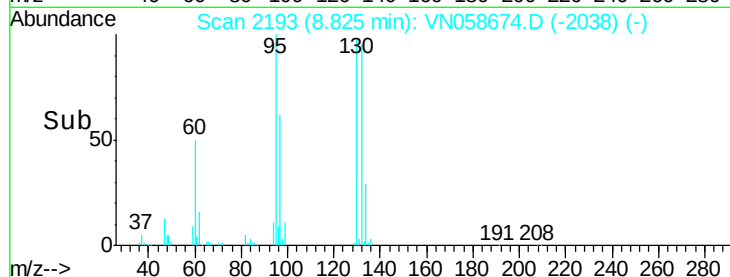
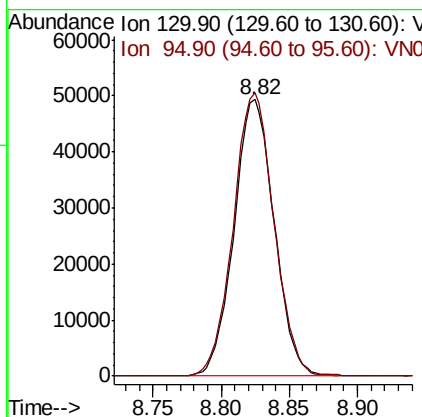
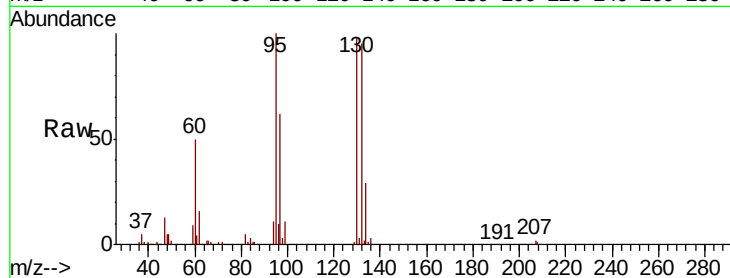
#37  
 Trichloroethene  
 Concen: 20.776 ug/l  
 RT: 8.82 min Scan# 2193  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 130     | 100   |      |       |       |
| 95      | 102.3 | 83.2 | 124.8 |       |

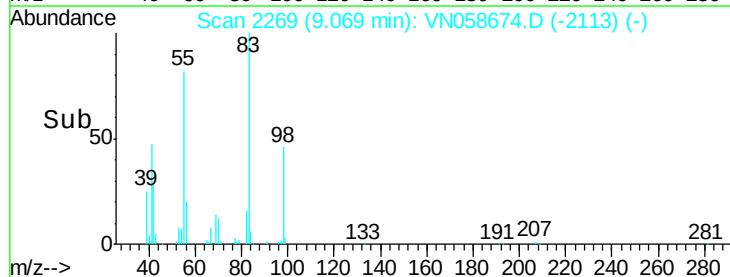
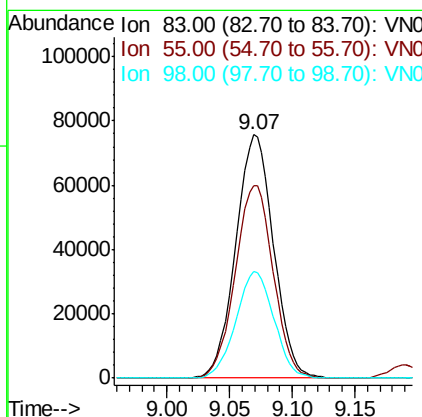
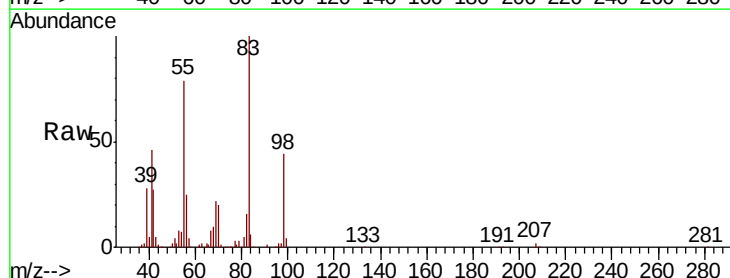
Manual Integrations  
 APPROVED

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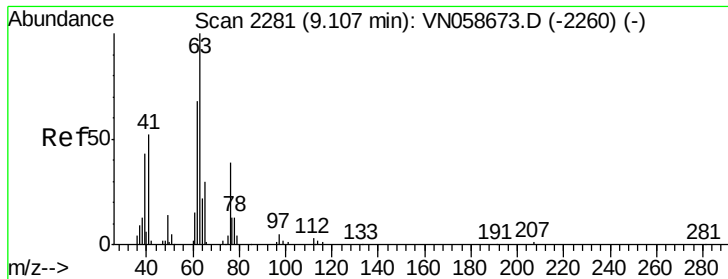


#38  
 Methylcyclohexane  
 Concen: 20.354 ug/l  
 RT: 9.07 min Scan# 2269  
 Delta R.T. 0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 79.7  | 40.4 | 121.1 |       |
| 98      | 44.1  | 21.6 | 65.0  |       |







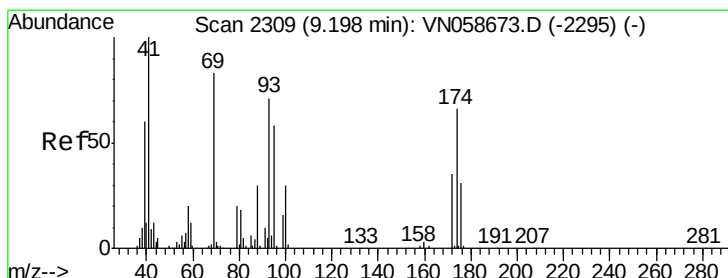
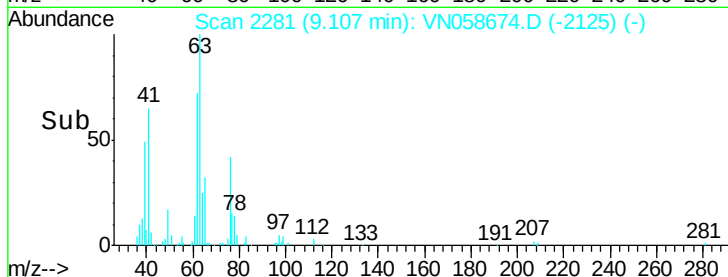
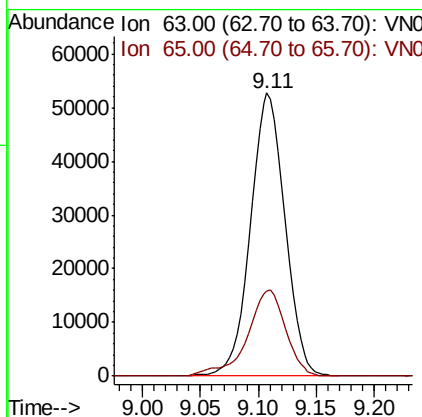
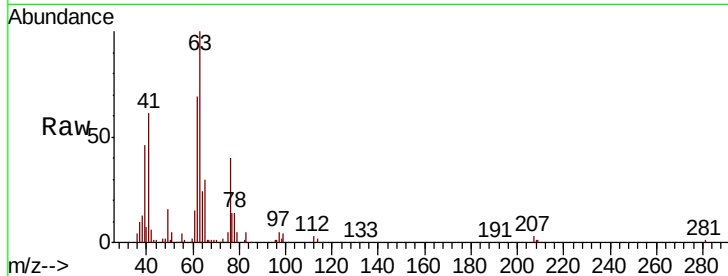
#39  
 1,2-Dichloropropane  
 Concen: 20.250 ug/l  
 RT: 9.11 min Scan# 2281  
 Delta R.T. 0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion   | 63    | Resp  | 109441 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 65        | 30.2  | 23.8  | 35.6   |

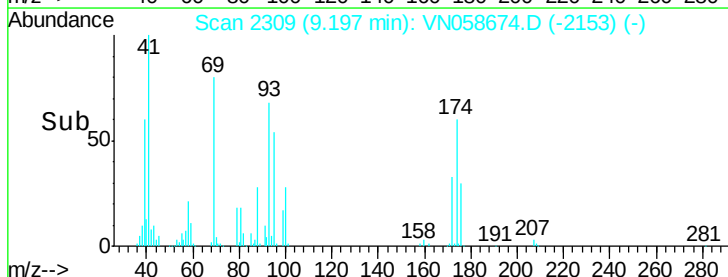
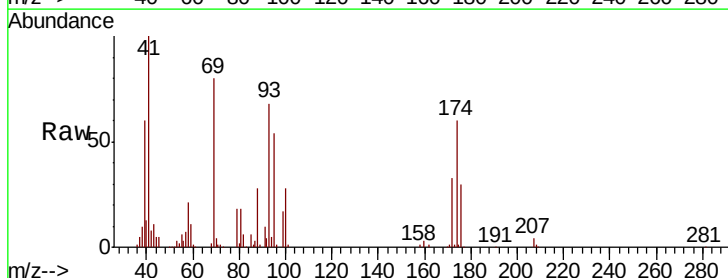
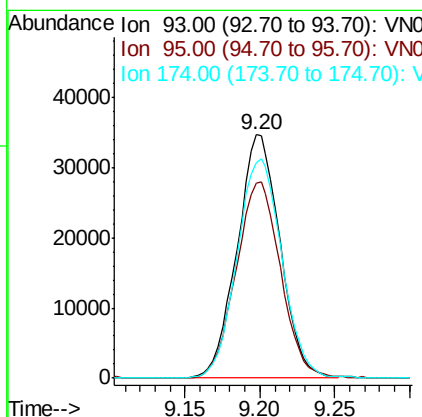
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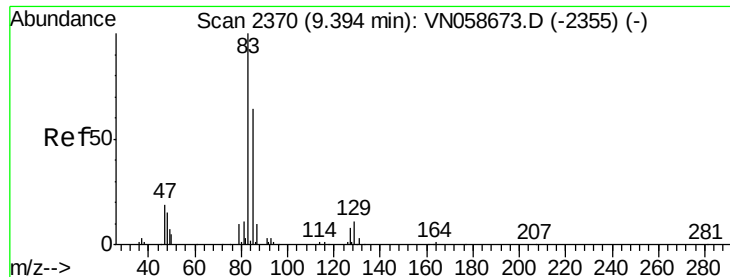
MMDadoda  
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#40  
 Dibromomethane  
 Concen: 20.346 ug/l  
 RT: 9.20 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion   | 93    | Resp  | 69414 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 83.4  | 0.0   | 167.6 |
| 174       | 93.9  | 0.0   | 187.2 |





#41

Bromodichloromethane

Concen: 20.491 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

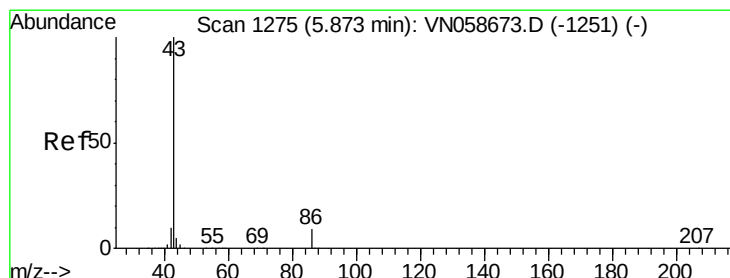
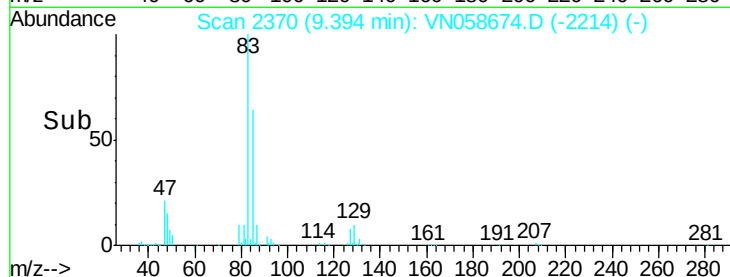
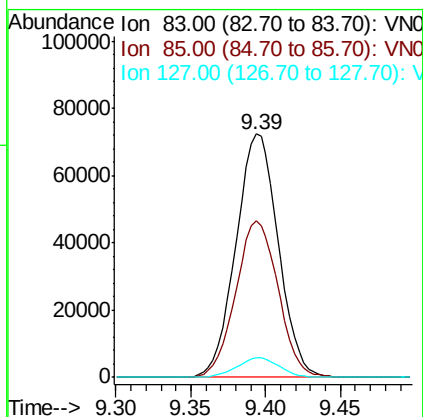
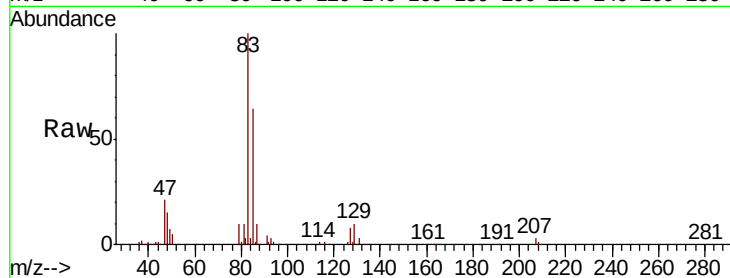
ClientSampleId :

ICVVN101119

| Tot Ion   | 83    | Resp  | 142823 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.4  | 51.0  | 76.4   |
| 127       | 8.1   | 6.6   | 9.8    |

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#42

Vinyl Acetate

Concen: 105.820 ug/l

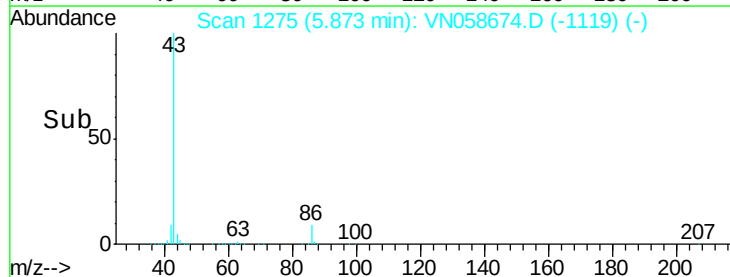
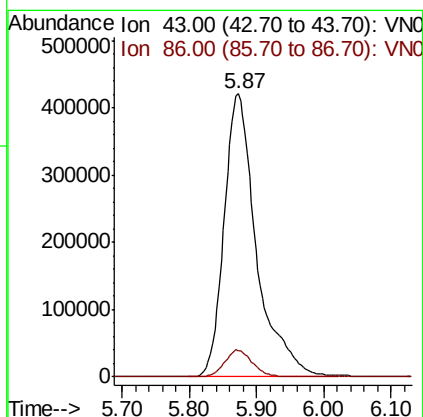
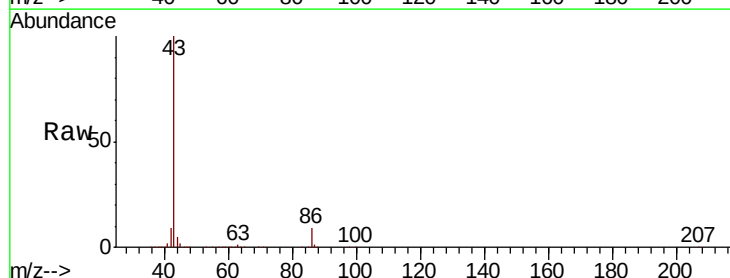
RT: 5.87 min Scan# 1275

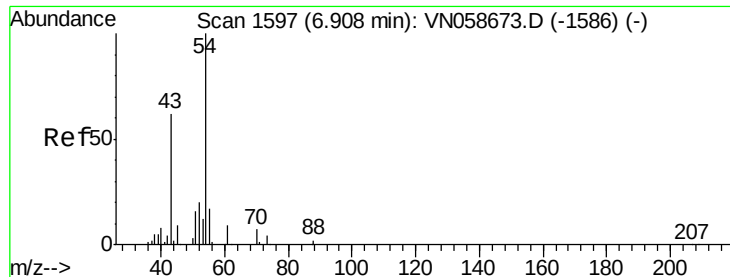
Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

| Tgt Ion   | 43    | Resp  | 1406802 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 43        | 100   |       |         |
| 86        | 8.2   | 6.5   | 9.7     |





#43

Ethyl Acetate

Concen: 20.006 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

ClientSampleId :

ICVFN101119

Tot Ion: 43 Resp: 149057

Ion Ratio Lower Upper

43 100

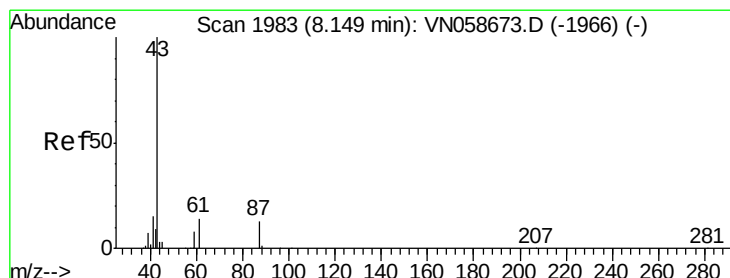
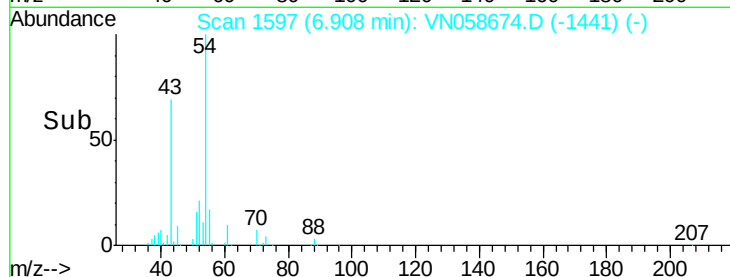
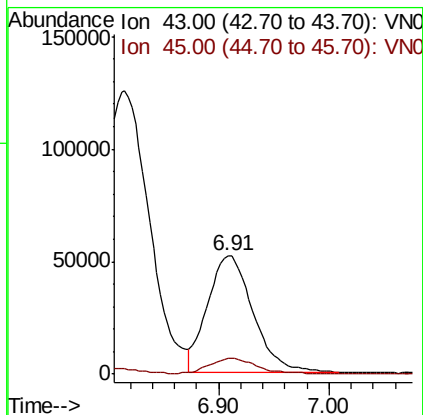
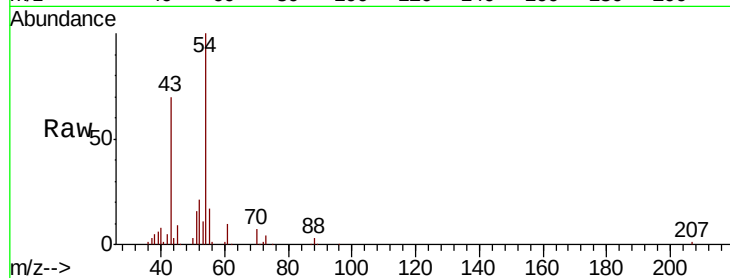
45 12.3 9.7 14.5

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#44

Isopropyl Acetate

Concen: 20.171 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058674.D

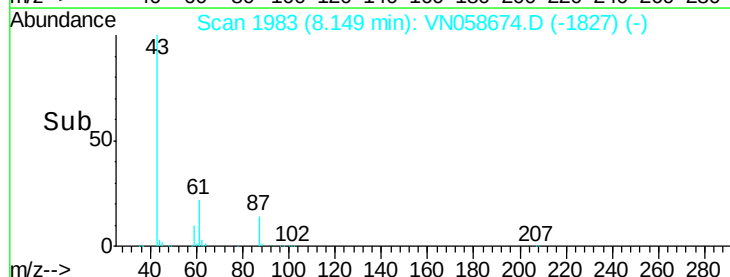
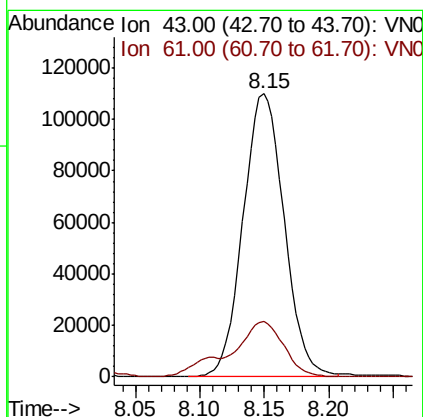
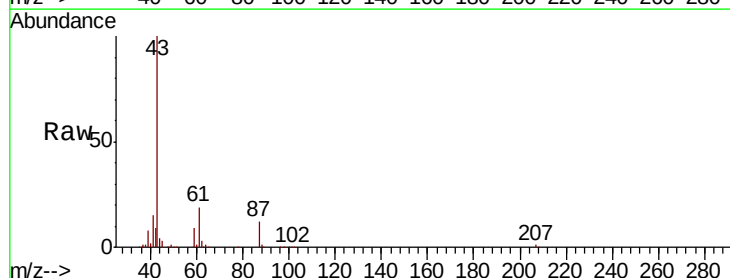
Acq: 10 Oct 2019 18:56

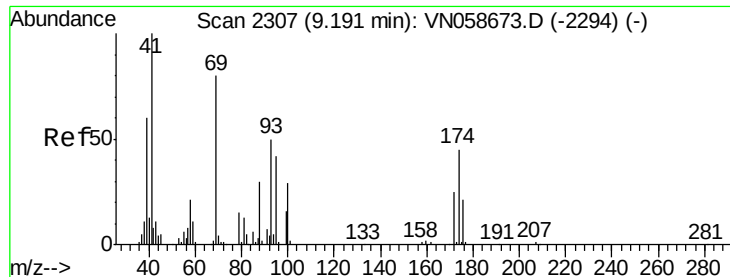
Tgt Ion: 43 Resp: 243432

Ion Ratio Lower Upper

43 100

61 20.2 19.9 29.9





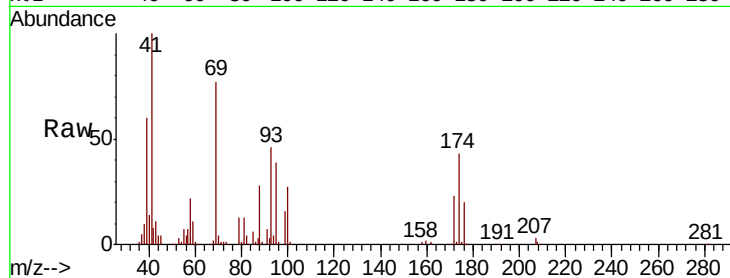
#45  
1,4-Dioxane  
Concen: 379.833 ug/l  
RT: 9.19 min Scan# 2307  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

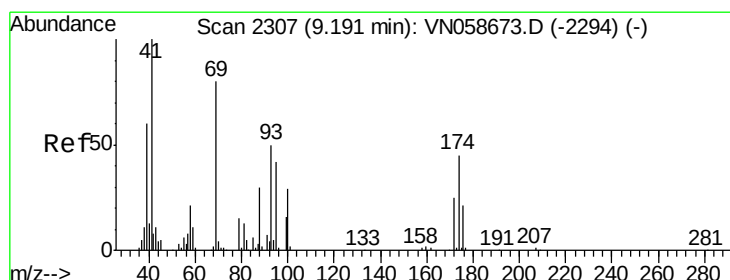
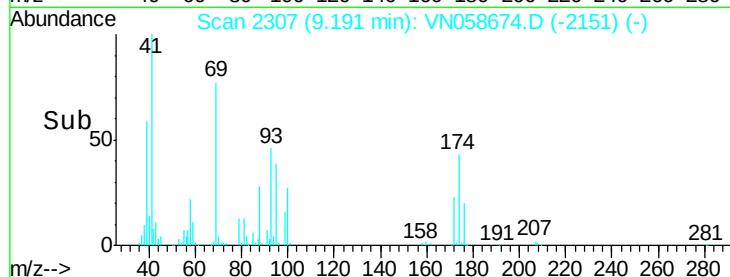
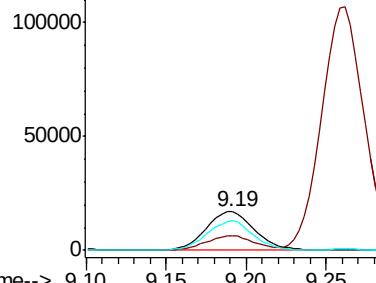
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.0  | 29.8  | 44.8  |
| 58      | 72.5  | 58.2  | 87.4  |

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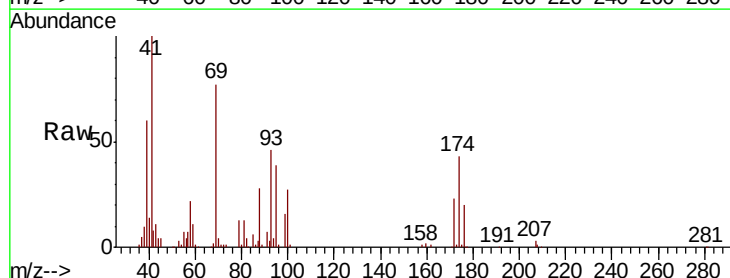


Abundance Ion 88.00 (87.70 to 88.70): VNO  
Ion 43.00 (42.70 to 43.70): VNO  
Ion 58.00 (57.70 to 58.70): VNO

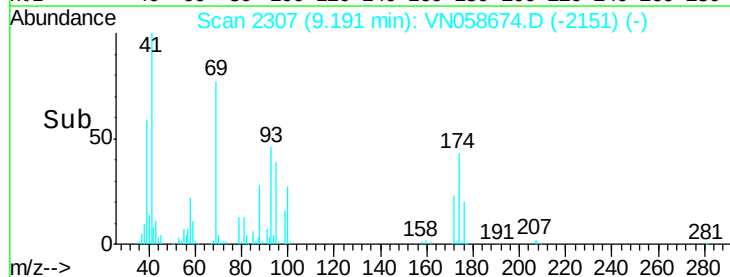
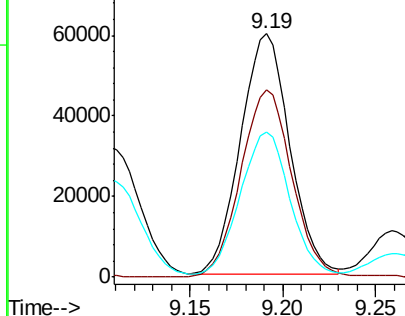


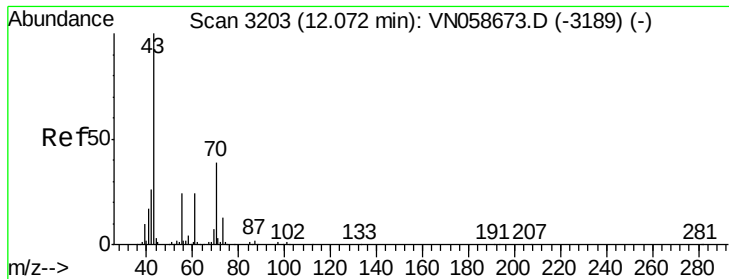
#46  
Methyl methacrylate  
Concen: 20.021 ug/l  
RT: 9.19 min Scan# 2307  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 78.0  | 40.2  | 120.5 |
| 39      | 59.2  | 29.9  | 89.8  |



Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 19.542 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN101119

Tot Ion: 43 Resp: 209065

Ion Ratio Lower Upper

43 100

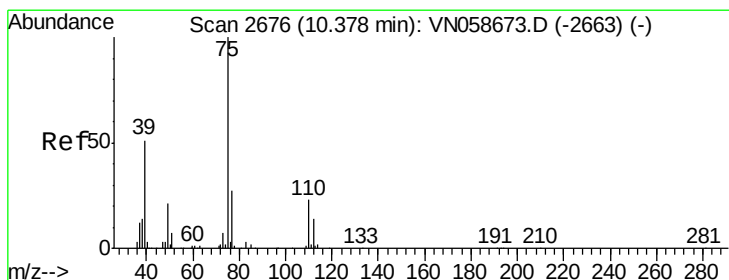
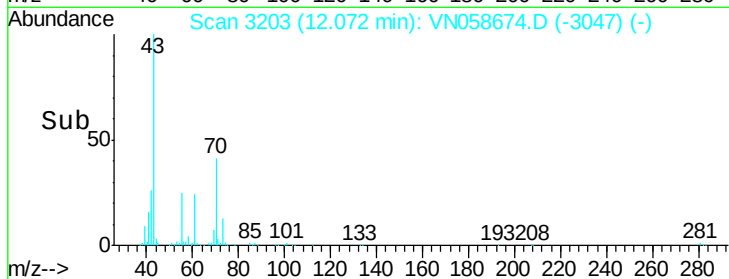
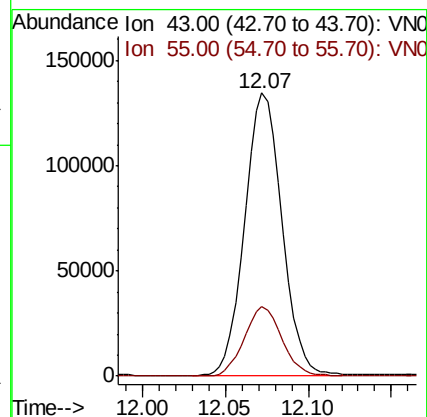
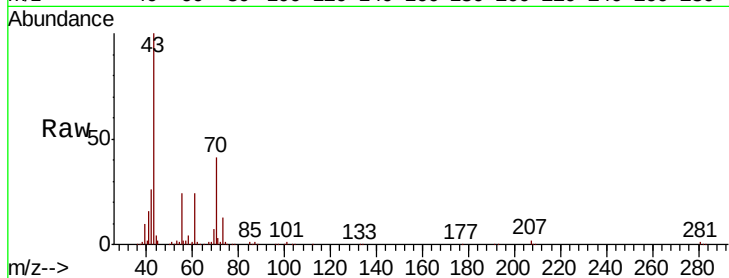
55 25.0 19.6 29.4

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10/11/2019 2:47:42 PM



#48

t-1,3-Dichloropropene

Concen: 19.868 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058674.D

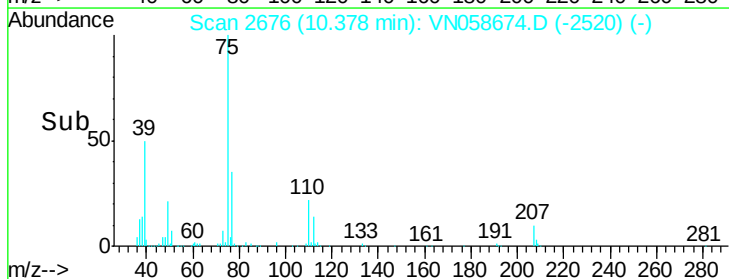
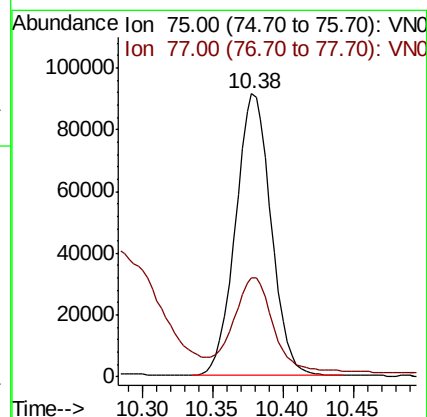
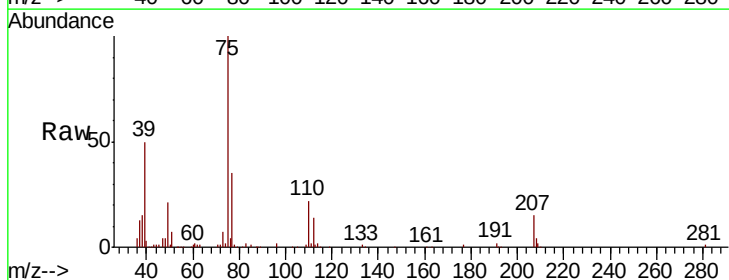
Acq: 10 Oct 2019 18:56

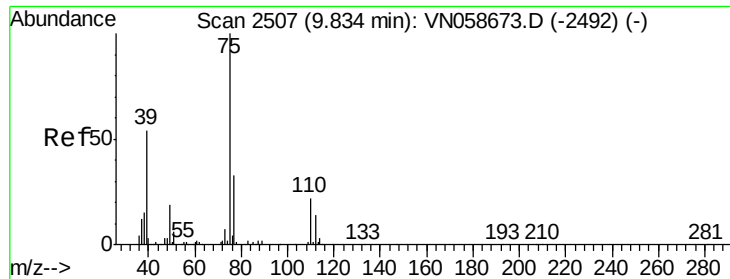
Tgt Ion: 75 Resp: 160598

Ion Ratio Lower Upper

75 100

77 33.0 27.0 40.4





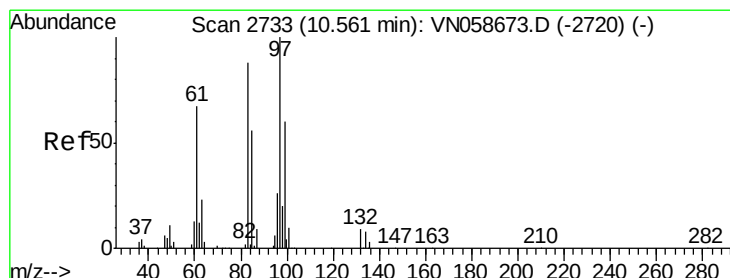
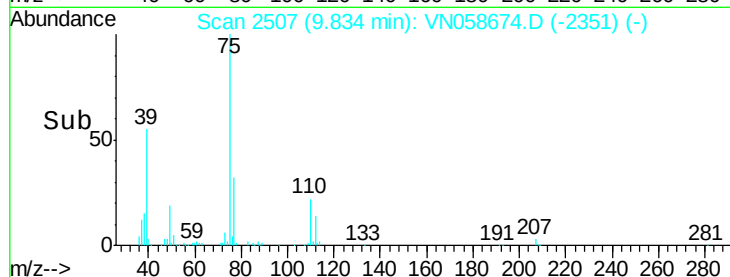
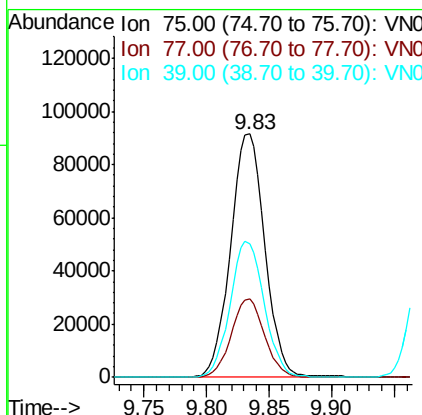
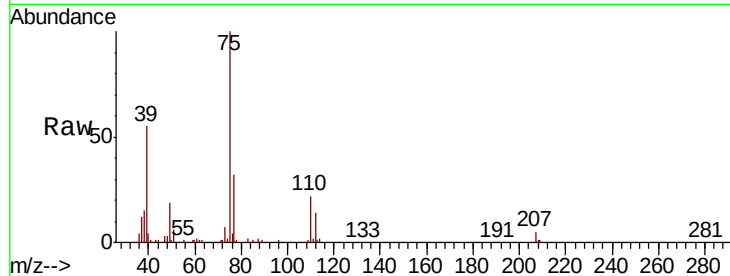
#49  
 cis-1,3-Dichloropropene  
 Concen: 20.452 ug/l  
 RT: 9.83 min Scan# 2507  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.1  | 26.1  | 39.1  |
| 39      | 54.8  | 43.1  | 64.7  |

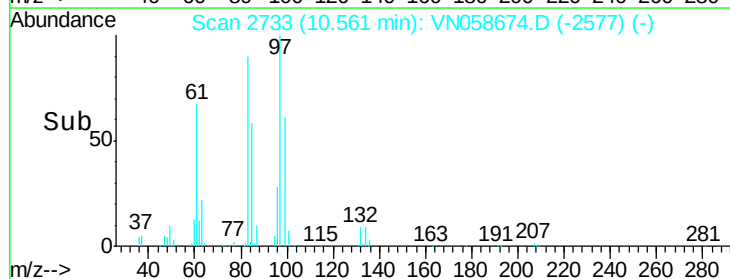
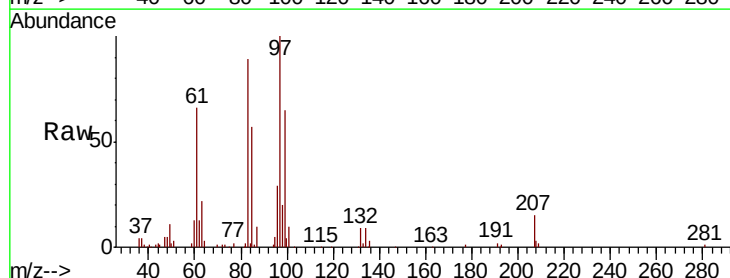
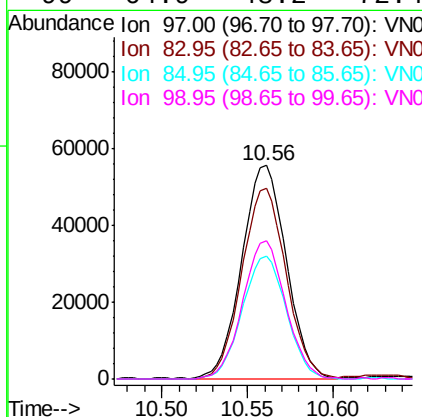
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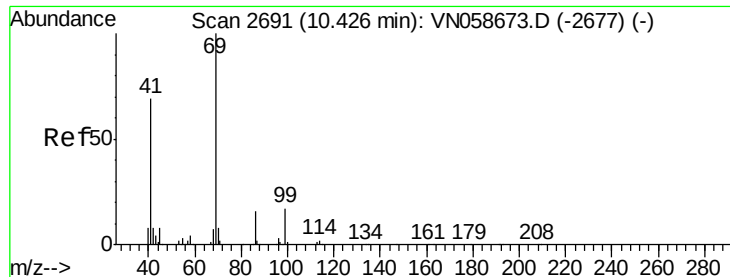
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#50  
 1,1,2-Trichloroethane  
 Concen: 20.641 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 89.3  | 70.7  | 106.1 |
| 85      | 57.5  | 45.1  | 67.7  |
| 99      | 64.9  | 48.2  | 72.4  |





#51

Ethyl methacrylate

Concen: 20.111 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

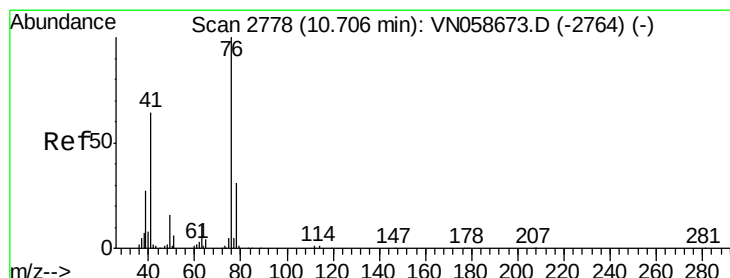
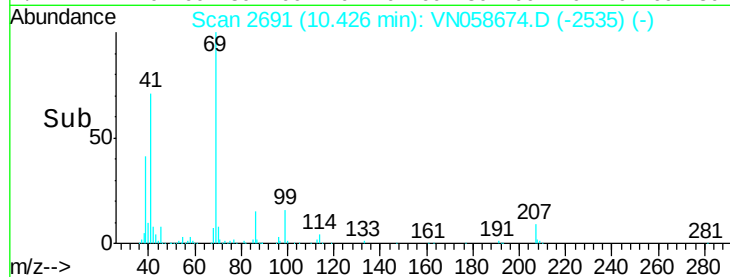
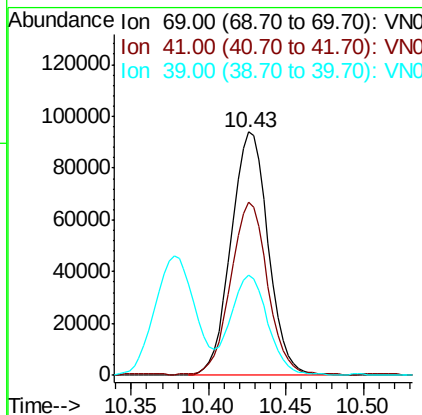
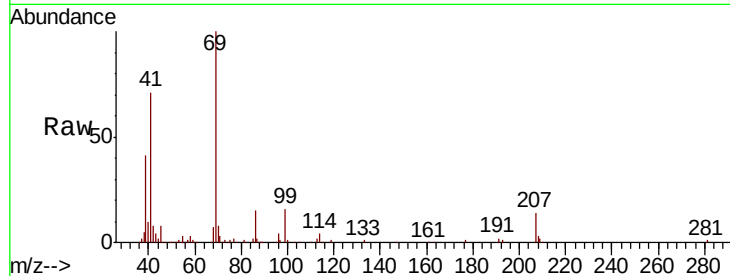
ClientSampleId :

ICVVN101119

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 69    | Resp: | 156627 |
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 70.4  | 34.7  | 104.1  |
| 39        | 40.7  | 20.3  | 60.8   |

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#52

1,3-Dichloropropane

Concen: 20.386 ug/l

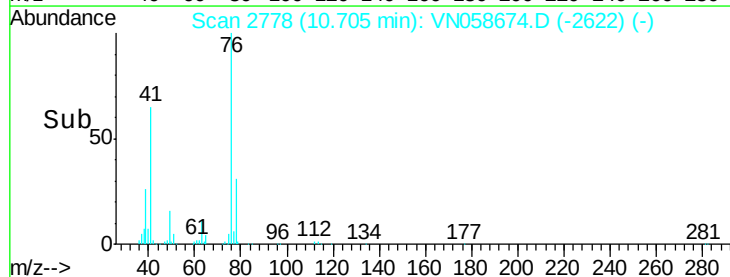
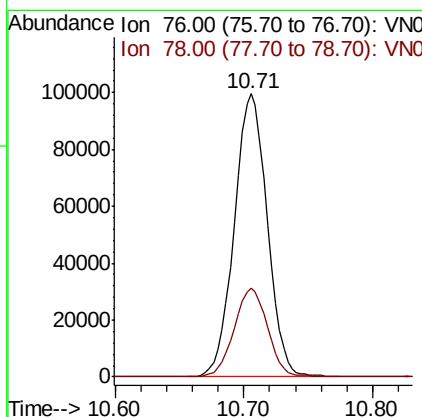
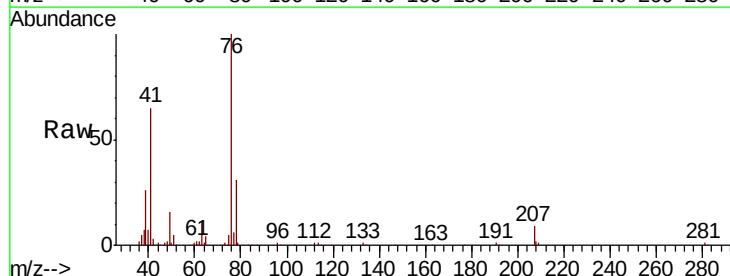
RT: 10.71 min Scan# 2778

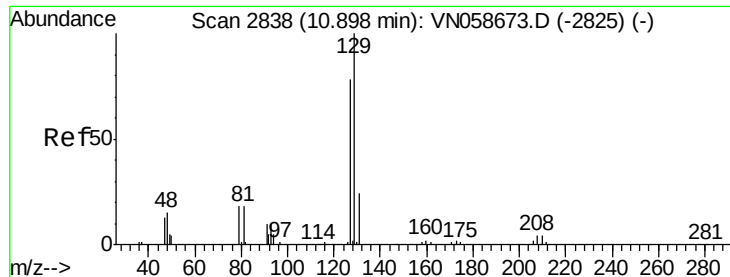
Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 76    | Resp: | 176819 |
| Ion Ratio | Lower | Upper |        |
| 76        | 100   |       |        |
| 78        | 31.8  | 0.0   | 63.2   |





#53

Dibromochloromethane

Concen: 20.059 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN101119

Tot Ion:129 Resp: 104845

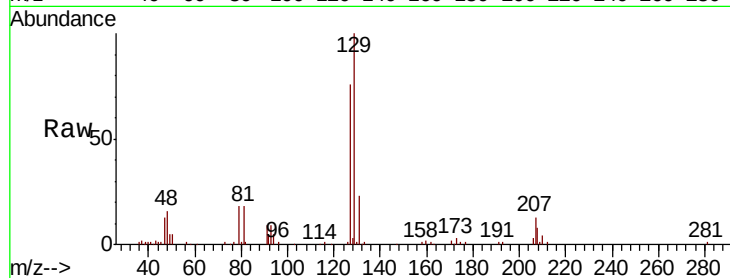
Ion Ratio Lower Upper

129 100

127 76.5 39.1 117.5

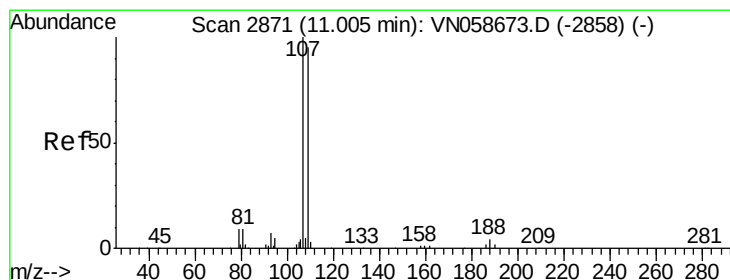
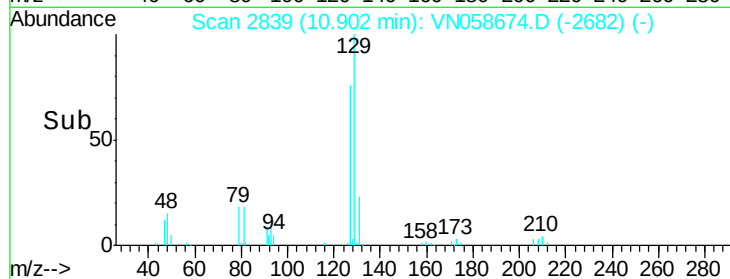
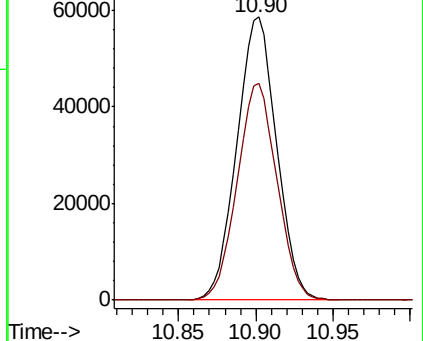
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.120 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058674.D

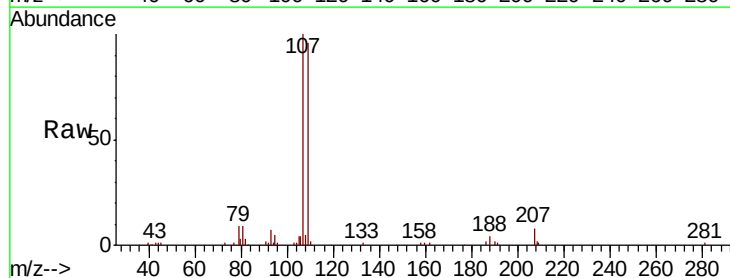
Acq: 10 Oct 2019 18:56

Tgt Ion:107 Resp: 101574

Ion Ratio Lower Upper

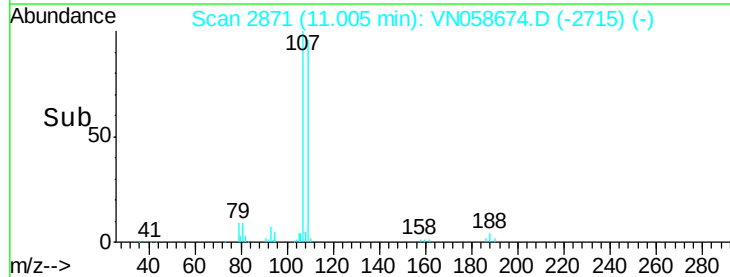
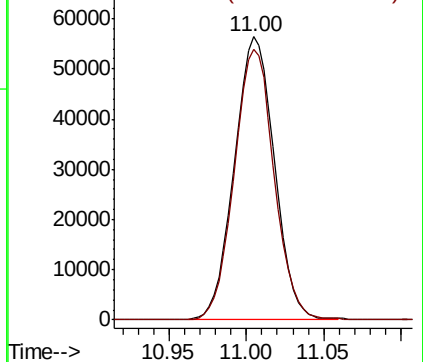
107 100

109 94.9 76.2 114.4

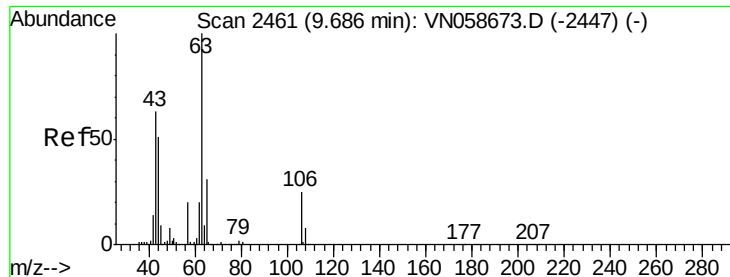


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V







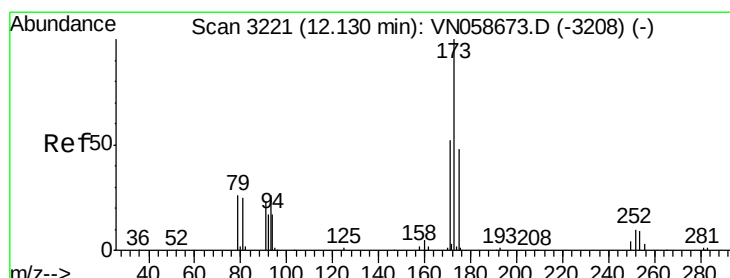
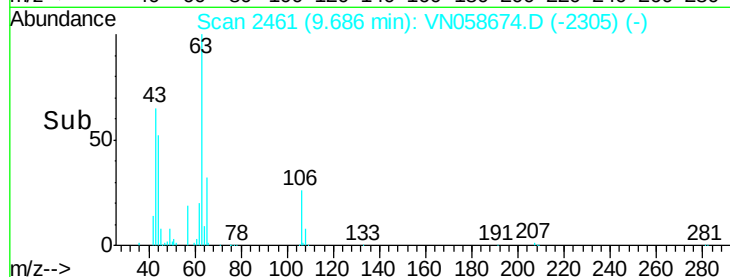
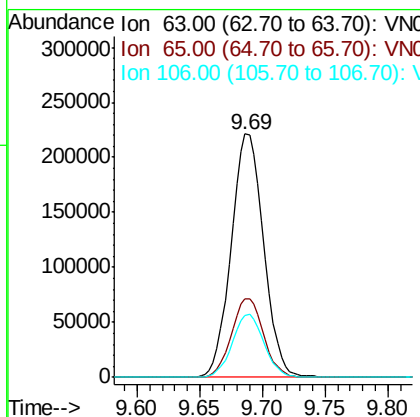
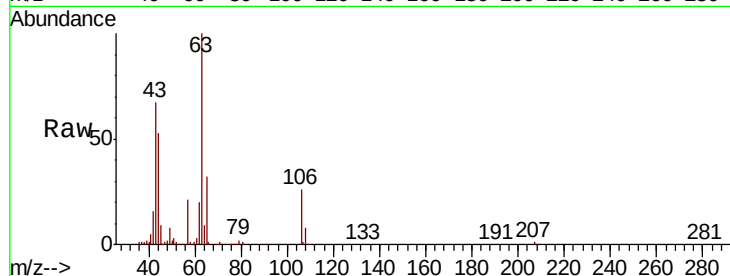
#55  
2-Chloroethyl vinyl ether  
Concen: 102.844 ug/l  
RT: 9.69 min Scan# 2461  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.9  | 25.3  | 37.9  |
| 106     | 25.5  | 19.8  | 29.6  |

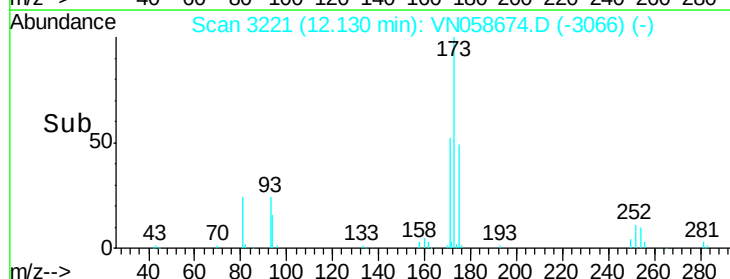
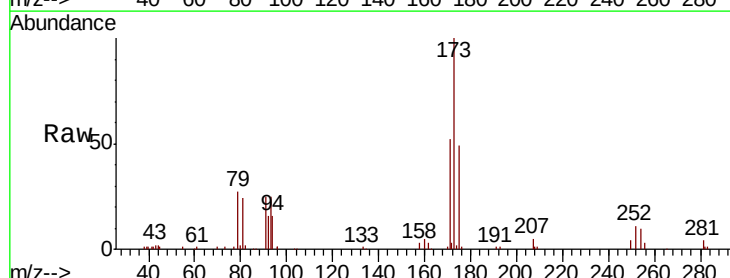
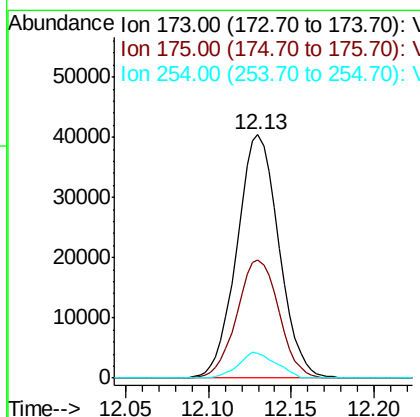
Manual Integrations  
APPROVED

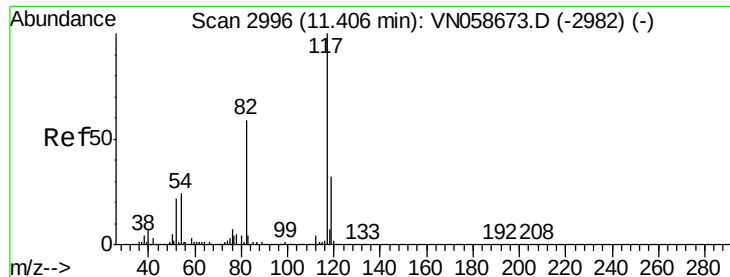
MMDadoda  
10/11/2019 2:47:42 PM



#56  
Bromoform  
Concen: 19.604 ug/l  
RT: 12.13 min Scan# 3221  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 38.7  | 58.1  |
| 254     | 9.5   | 7.4   | 11.2  |





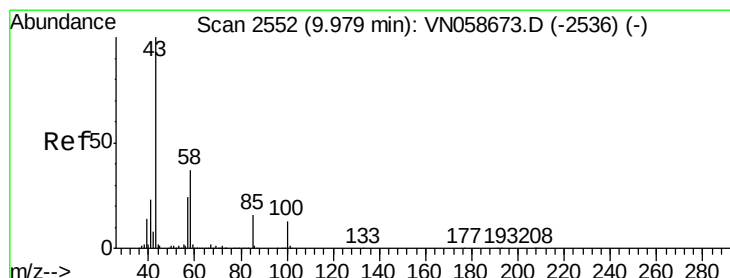
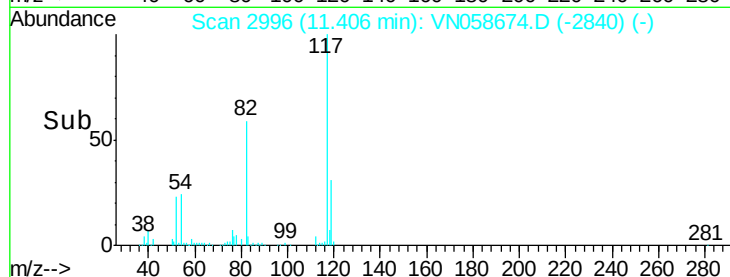
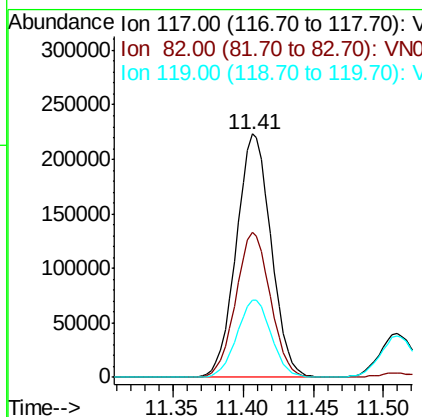
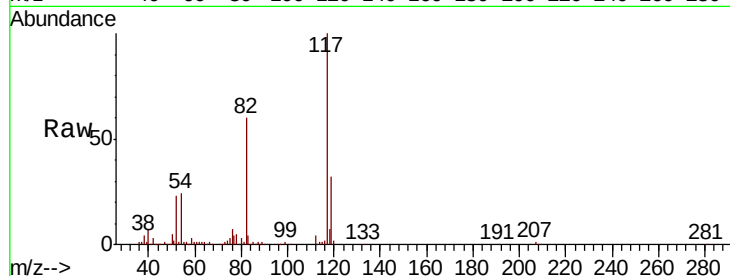
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 117     | 100   |            |            |
| 82      | 59.3  | 46.9       | 70.3       |
| 119     | 31.5  | 25.8       | 38.6       |

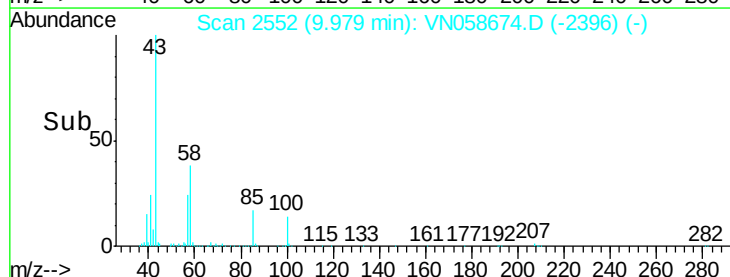
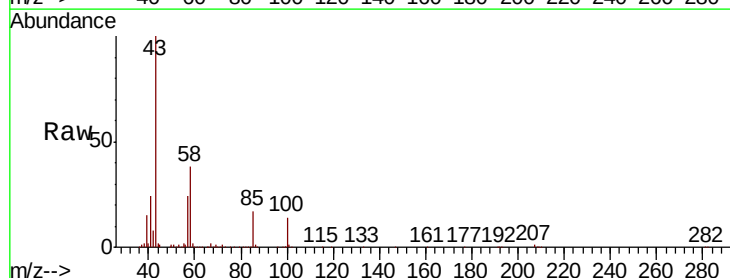
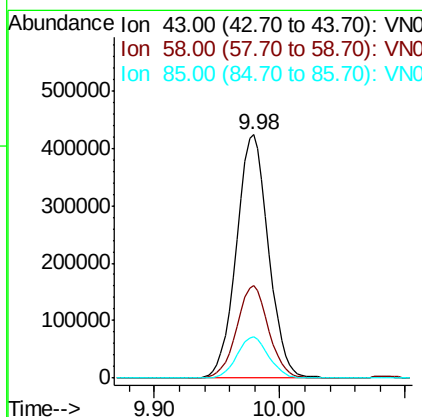
Manual Integrations  
APPROVED

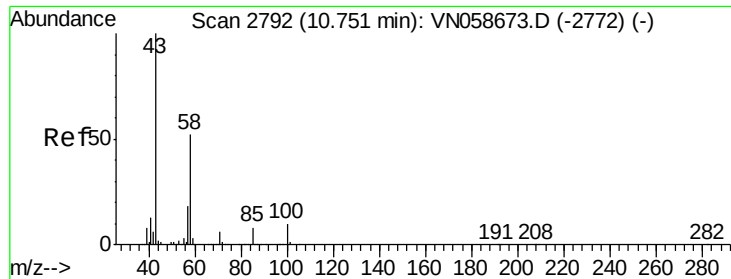
MMDadoda  
10/11/2019 2:47:42 PM



#58  
4-Methyl-2-Pentanone  
Concen: 106.354 ug/l  
RT: 9.98 min Scan# 2552  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 43      | 100   |            |            |
| 58      | 37.9  | 30.1       | 45.1       |
| 85      | 16.9  | 13.2       | 19.8       |





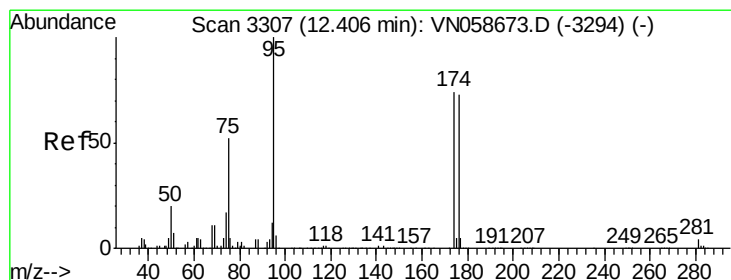
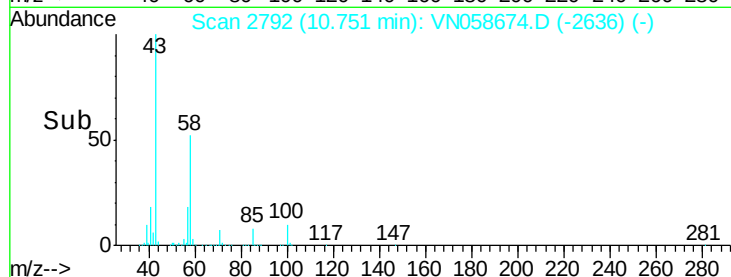
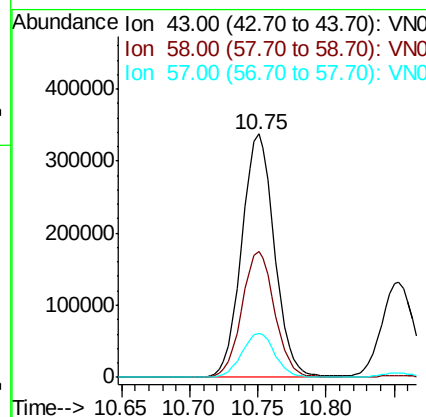
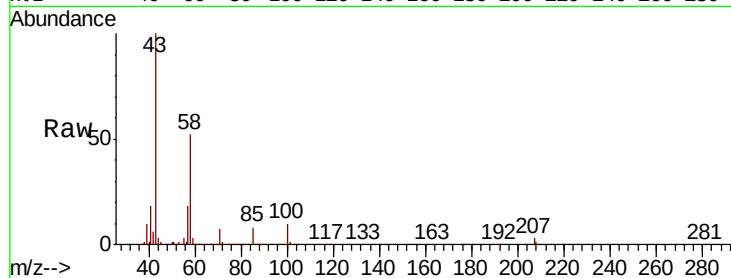
#59  
2-Hexanone  
Concen: 101.918 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 51.6  | 41.4  | 62.0  |
| 57      | 18.3  | 14.7  | 22.1  |

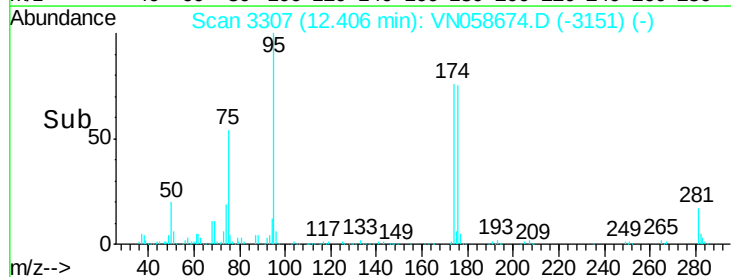
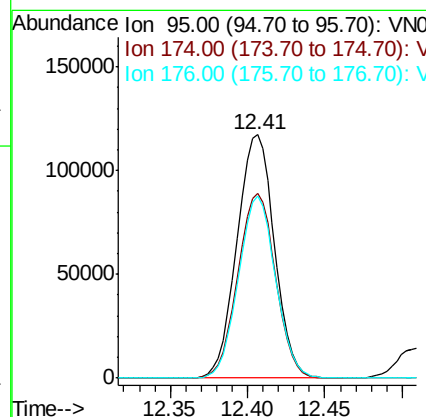
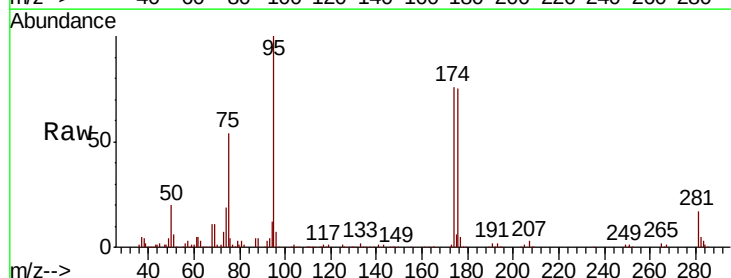
Manual Integrations  
APPROVED

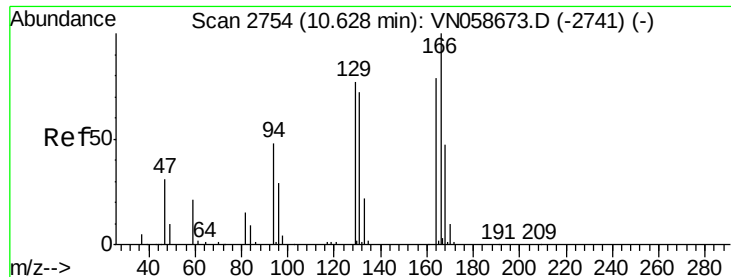
MMDadoda  
10/11/2019 2:47:42 PM



#60  
4-Bromofluorobenzene  
Concen: 29.168 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 76.6  | 59.9  | 89.9  |
| 176     | 74.3  | 58.3  | 87.5  |





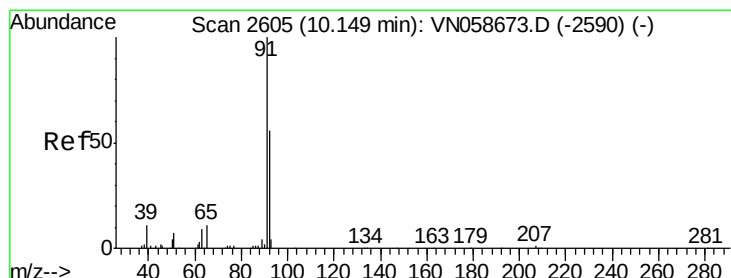
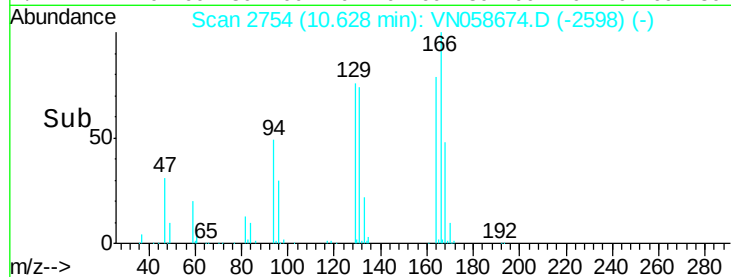
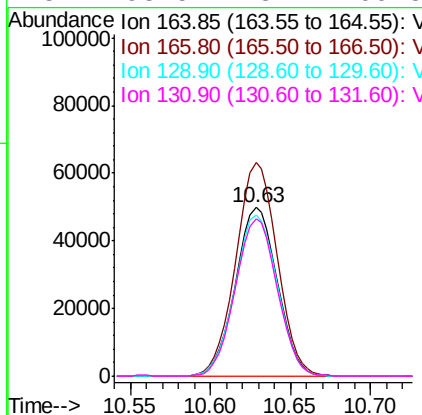
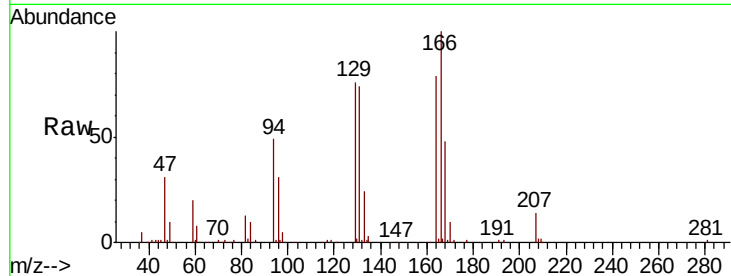
#61  
Tetrachloroethene  
Concen: 21.394 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.4 | 101.4 | 152.2 |
| 129     | 95.5  | 78.1  | 117.1 |
| 131     | 93.5  | 73.2  | 109.8 |

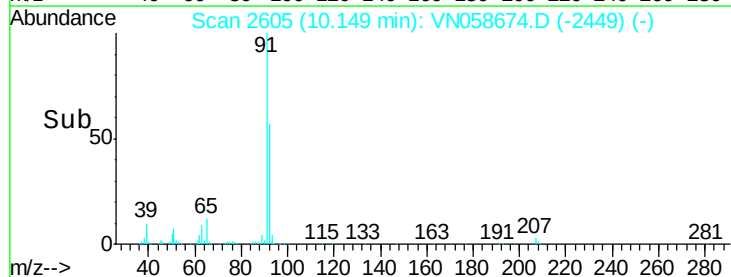
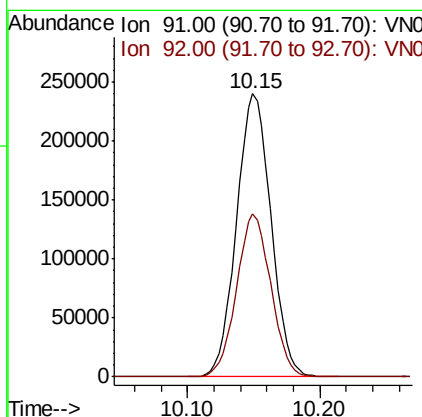
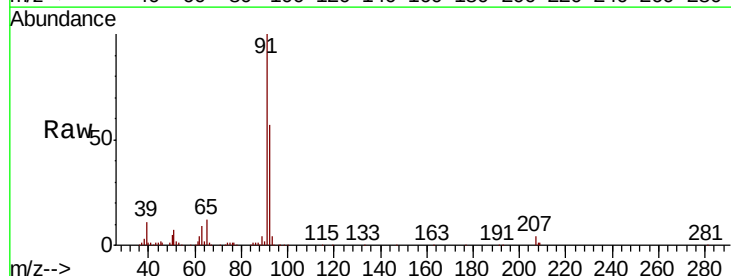
Manual Integrations  
APPROVED

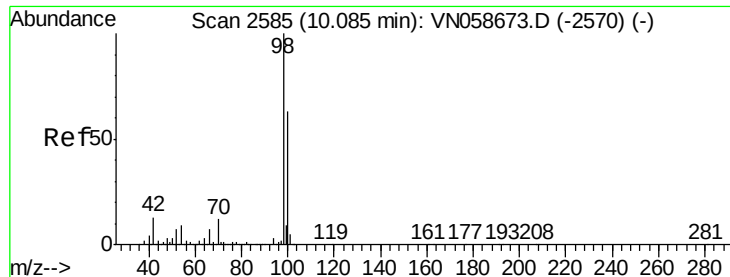
MMDadoda  
10/11/2019 2:47:42 PM



#62  
Toluene  
Concen: 20.907 ug/l  
RT: 10.15 min Scan# 2605  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 57.2  | 45.4  | 68.2  |





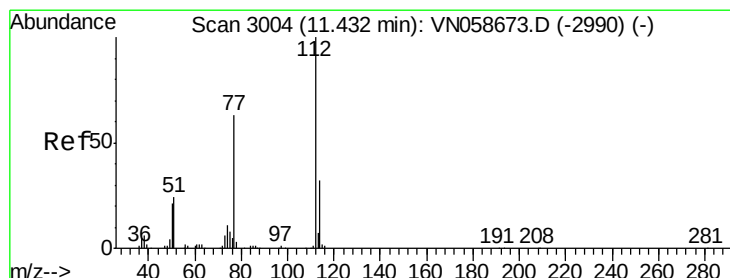
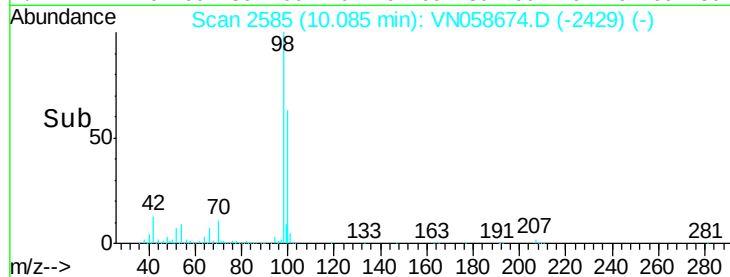
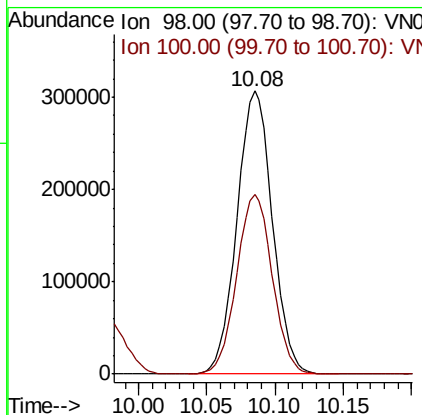
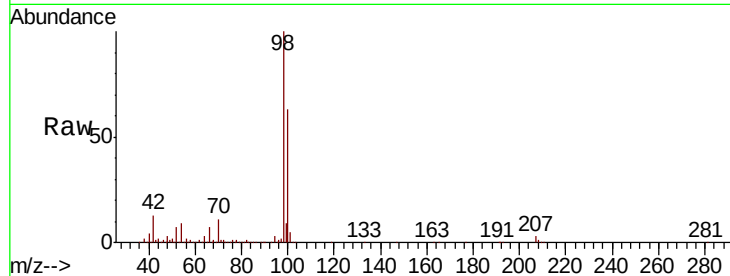
#63  
Toluene-d8  
Concen: 30.317 ug/l  
RT: 10.08 min Scan# 2585  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

Tot Ion: 98 Resp: 553049  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.6 75.8

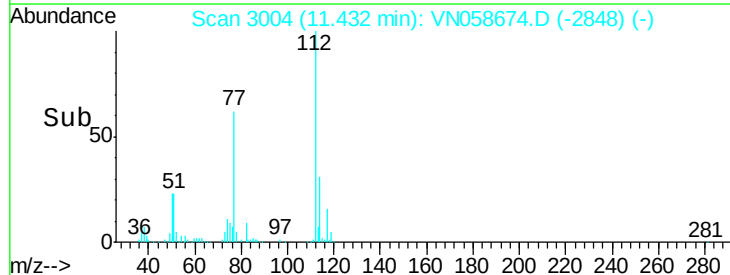
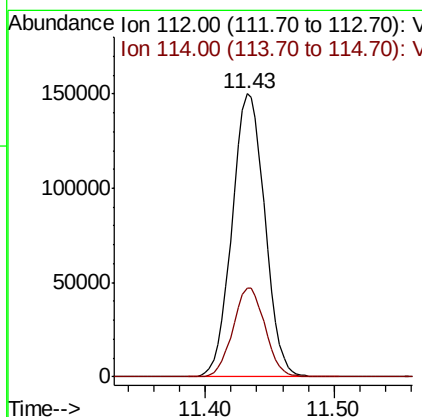
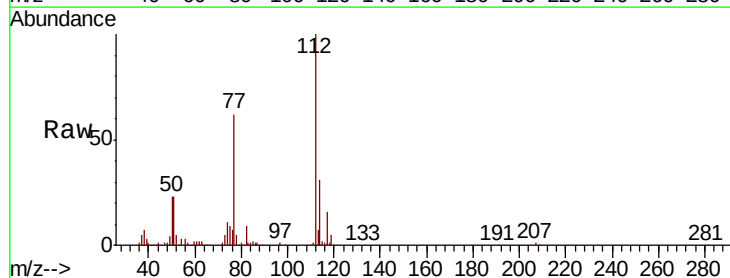
Manual Integrations  
APPROVED

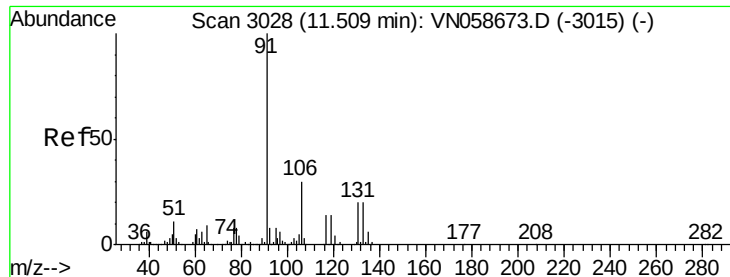
MMDadoda  
10/11/2019 2:47:42 PM



#64  
Chlorobenzene  
Concen: 20.851 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Tgt Ion: 112 Resp: 264926  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 20.889 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

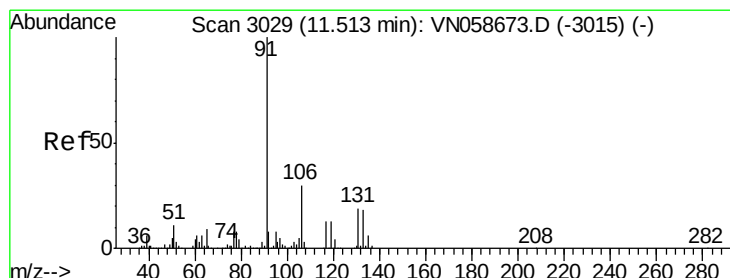
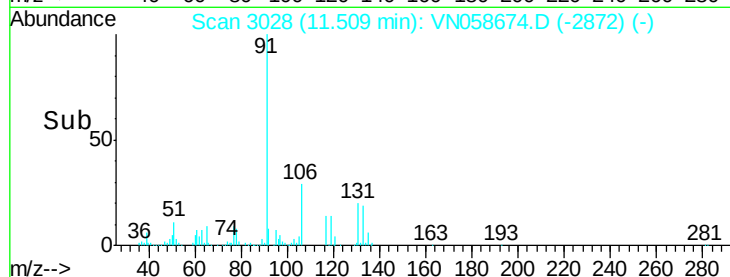
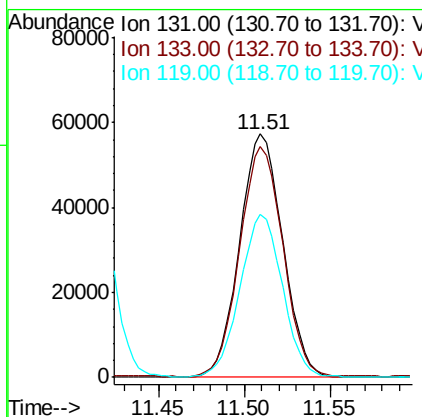
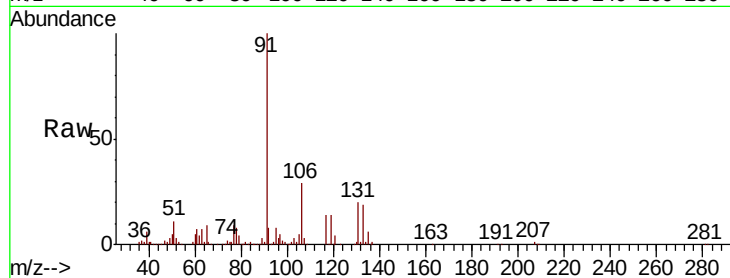
ClientSampleId :

ICVVN101119

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 99520 |       |       |
| 133     | 94.6  | 0.0   | 194.0 |       |
| 119     | 66.0  | 0.0   | 136.8 |       |

Manual Integrations  
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#66

Ethyl Benzene

Concen: 20.999 ug/l

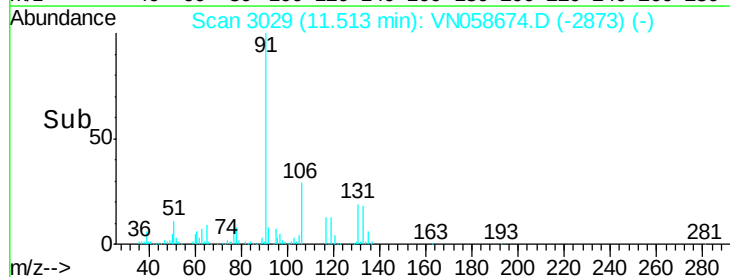
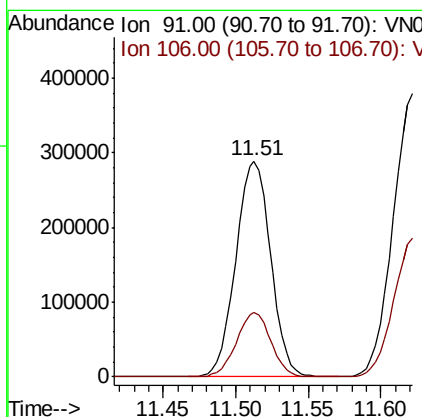
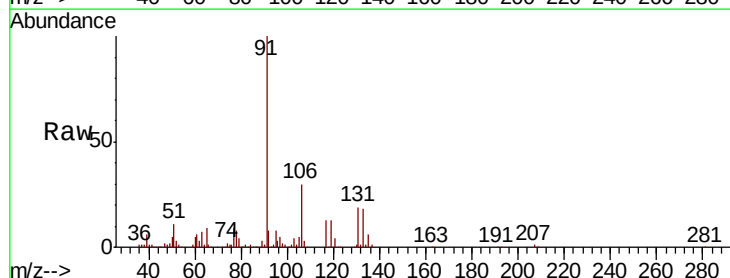
RT: 11.51 min Scan# 3029

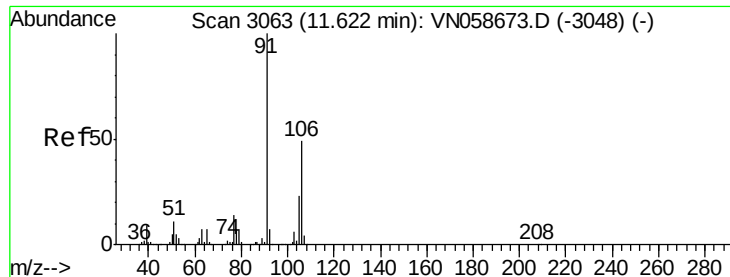
Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 483238 |       |       |
| 106     | 30.0  | 24.2   | 36.4  |       |





#67

m/p-Xylenes

Concen: 41.356 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN101119

Tot Ion:106 Resp: 355549

Ion Ratio Lower Upper

106 100

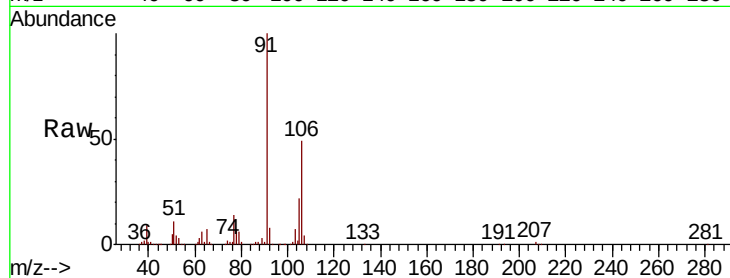
91 207.1 165.6 248.4

Manual Integrations

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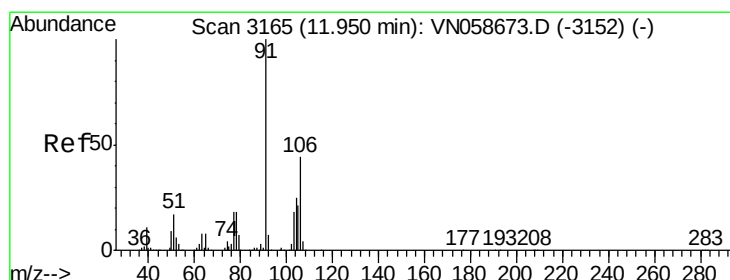
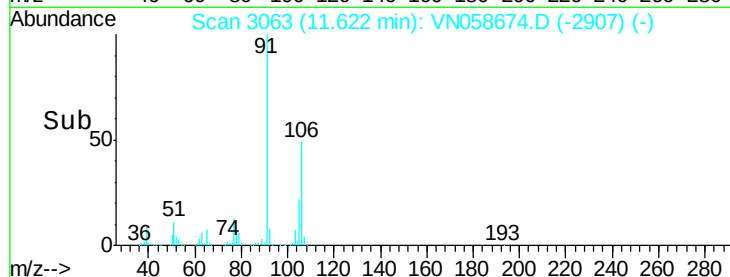
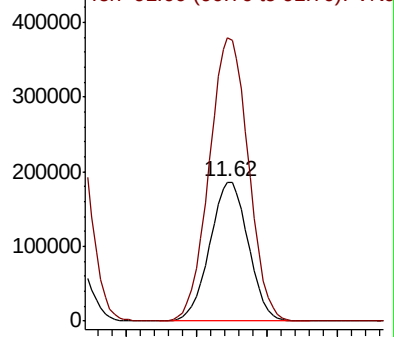
MMDadoda

10/11/2019 2:47:42 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.726 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058674.D

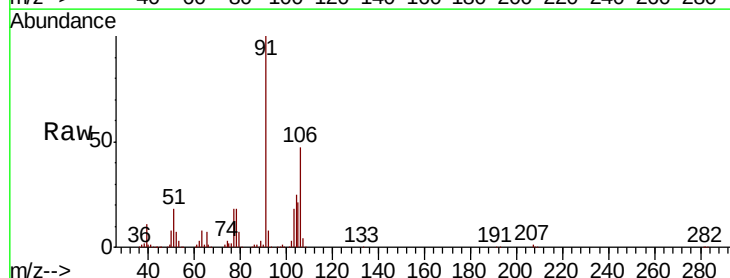
Acq: 10 Oct 2019 18:56

Tgt Ion:106 Resp: 172744

Ion Ratio Lower Upper

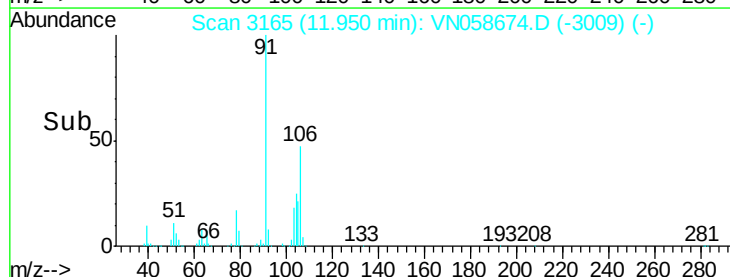
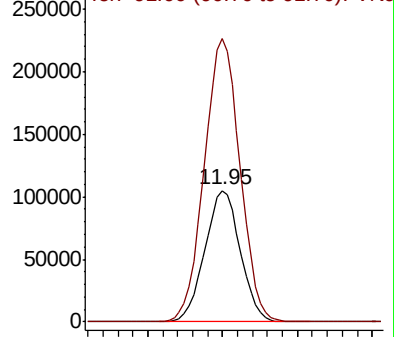
106 100

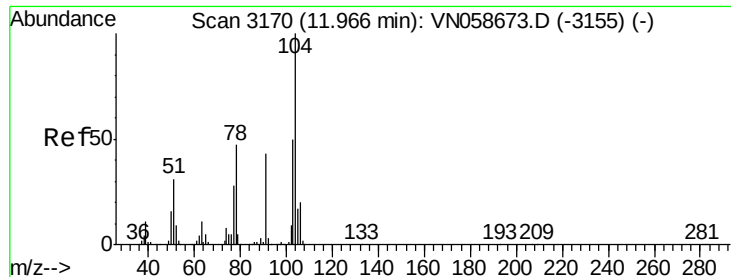
91 218.0 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





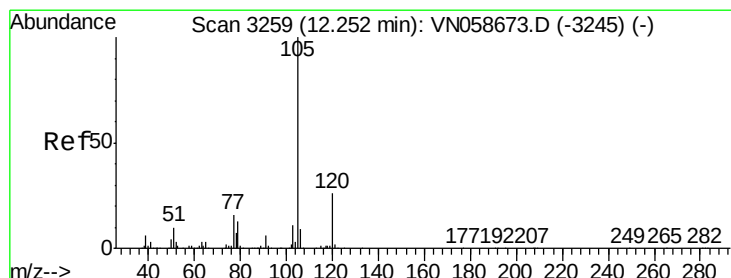
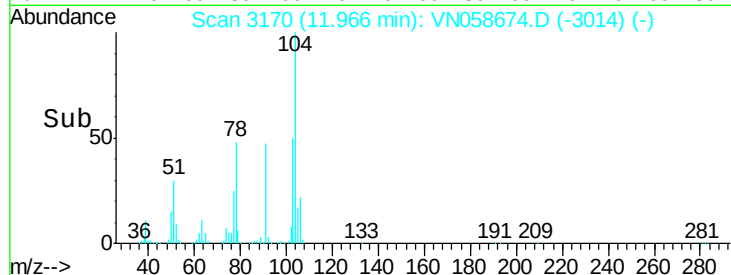
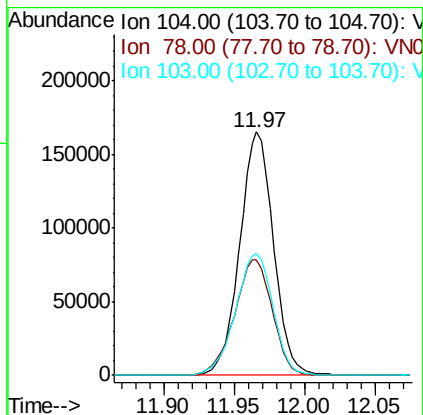
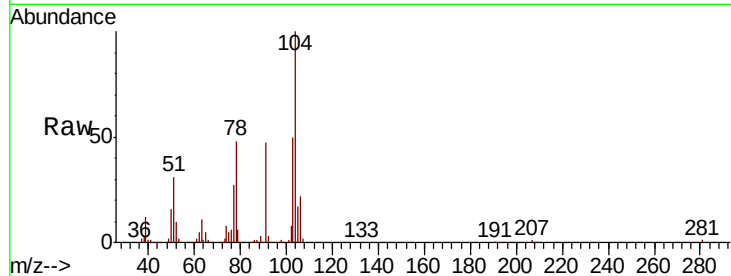
#69  
Stvrene  
Concen: 20.143 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 53.2  | 42.4  | 63.6  |
| 103     | 55.6  | 44.6  | 66.8  |

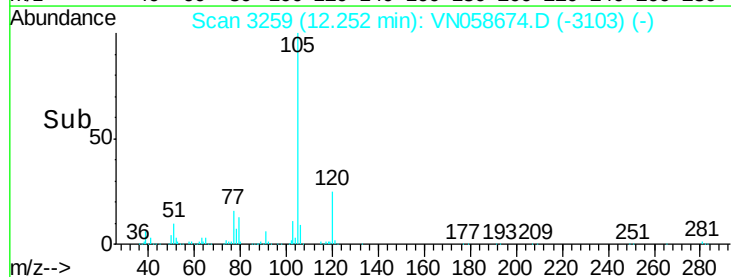
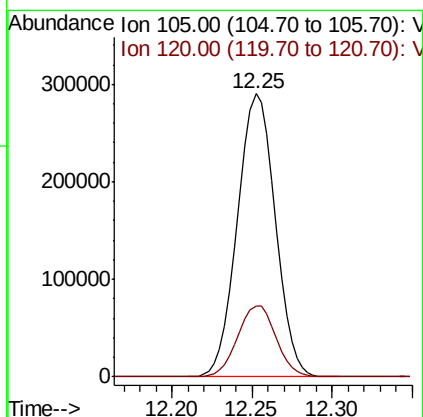
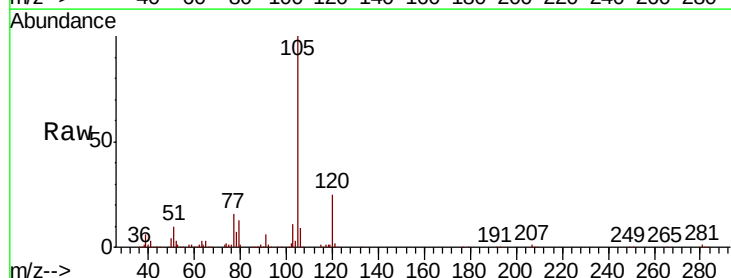
Manual Integrations  
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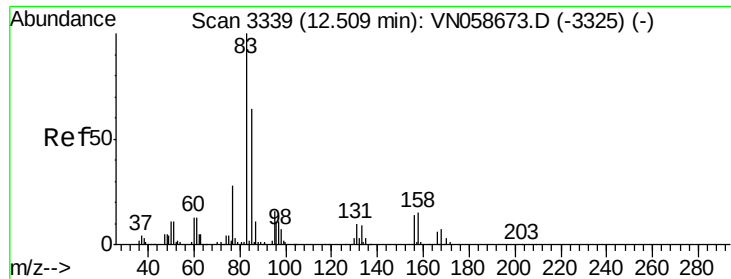


#70  
Isopropylbenzene  
Concen: 20.803 ug/l  
RT: 12.25 min Scan# 3259  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 25.5  | 18.4  | 34.2  |







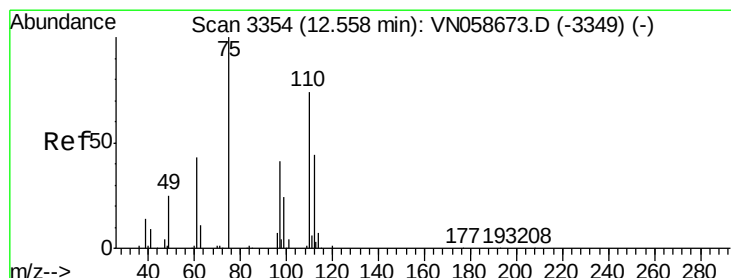
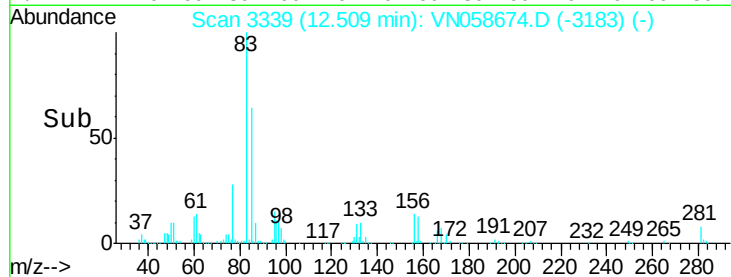
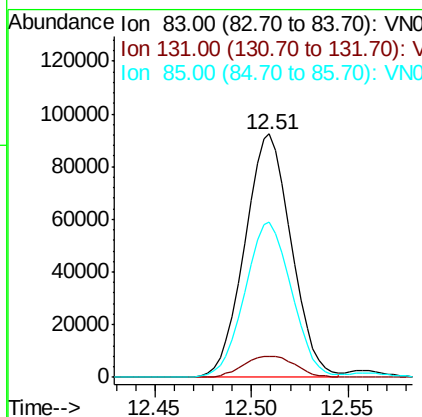
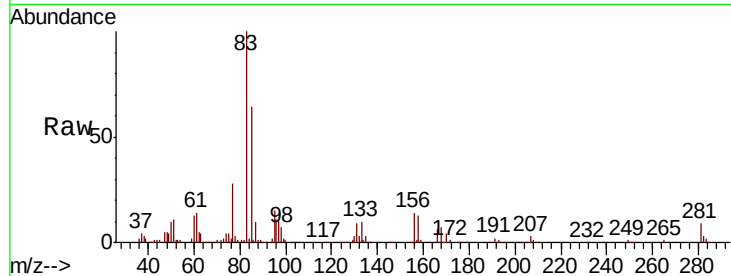
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.406 ug/l  
 RT: 12.51 min Scan# 3339  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 131     | 9.8   | 4.9  | 14.7  |       |
| 85      | 64.1  | 31.6 | 94.7  |       |

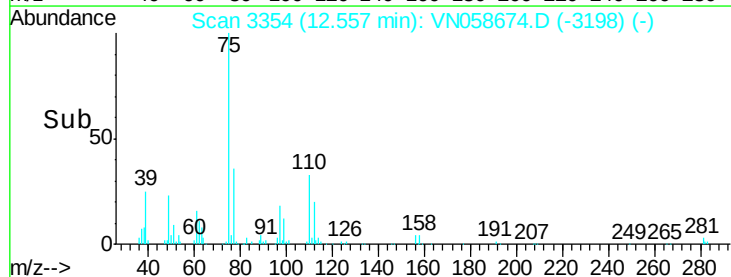
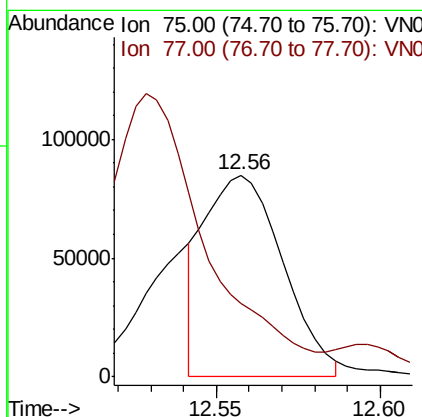
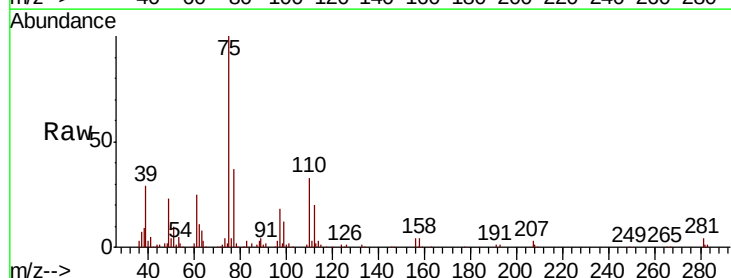
Manual Integrations  
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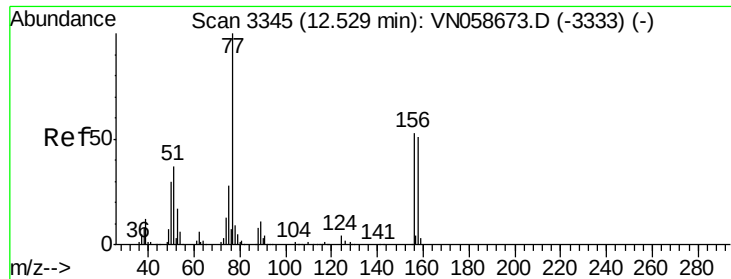
MMDadoda  
 10/11/2019 2:47:42 PM



#72  
 1,2,3-Trichloropropane  
 Concen: 20.574 ug/l m  
 RT: 12.56 min Scan# 3354  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 77      | 181.3 | 0.0  | 359.4 |       |





#73

Bromobenzene

Concen: 20.391 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

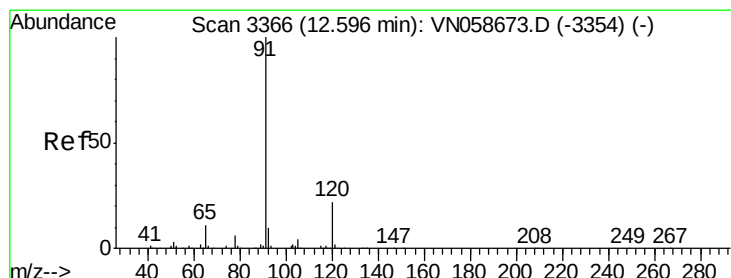
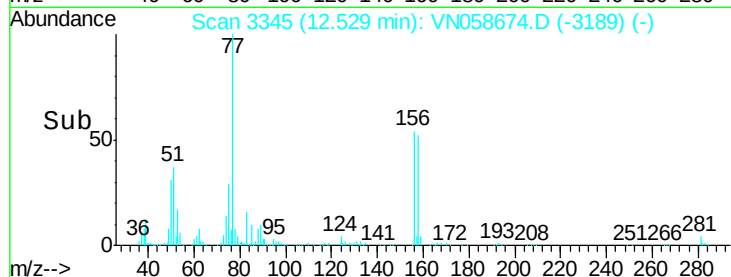
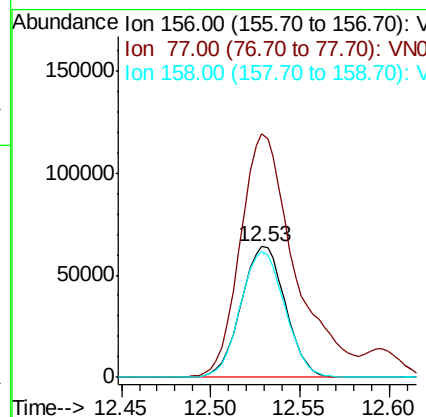
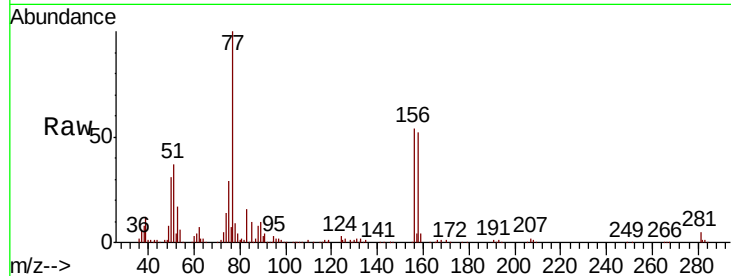
ClientSampleId :

ICVVN101119

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 111450 |       |       |
| 77      | 229.7 | 0.0   | 456.0  |       |       |
| 158     | 96.7  | 0.0   | 195.4  |       |       |

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#74

n-propylbenzene

Concen: 21.029 ug/l

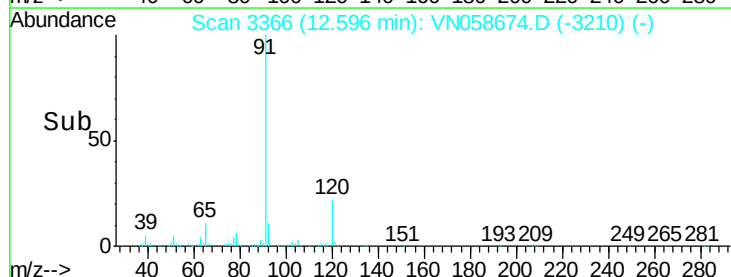
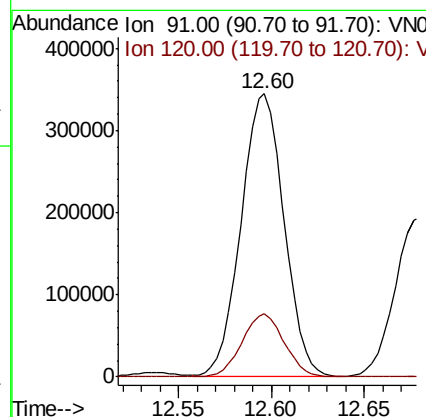
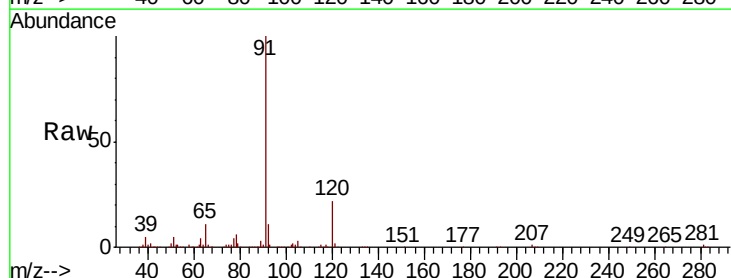
RT: 12.60 min Scan# 3366

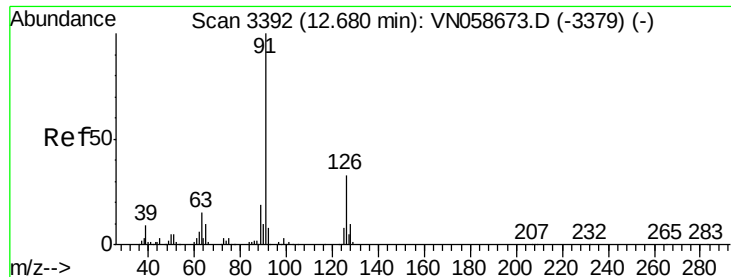
Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 553871 |       |       |
| 120     | 21.9 | 0.0   | 43.6   |       |       |





#75

2-Chlorotoluene

Concen: 20.670 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN101119

Tot Ion: 91 Resp: 327562

Ion Ratio Lower Upper

91 100

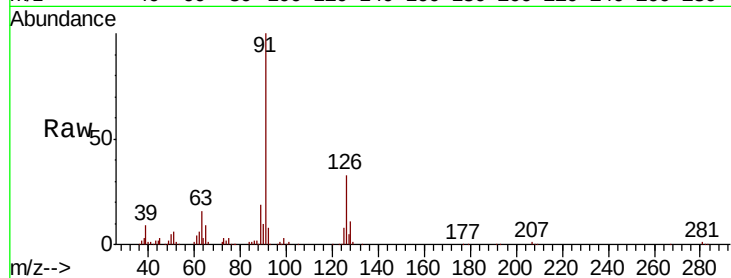
126 32.5 0.0 65.4

Manual Integrations

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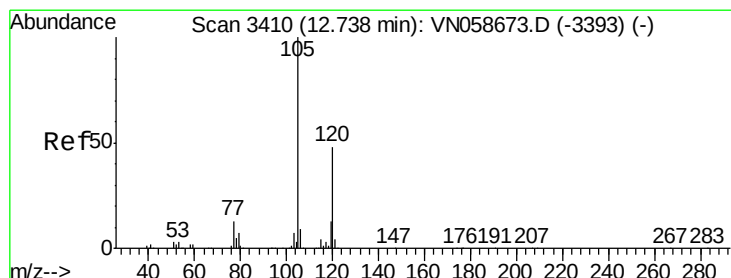
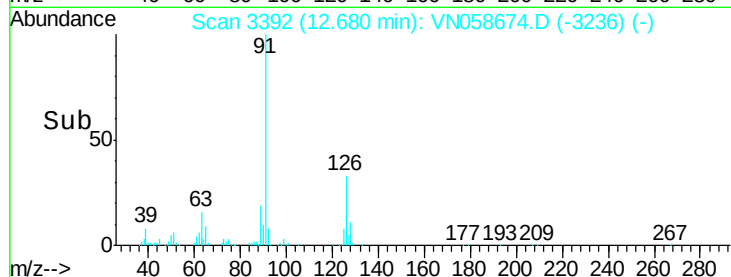
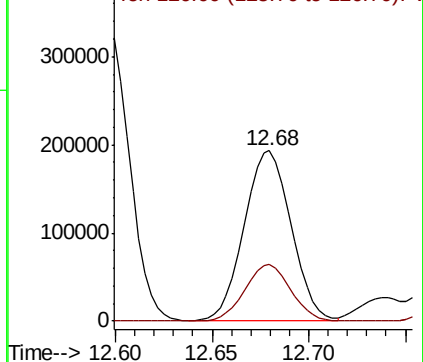
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Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058673.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.629 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058674.D

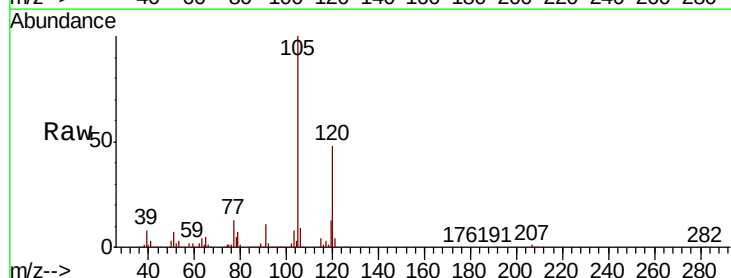
Acq: 10 Oct 2019 18:56

Tgt Ion: 105 Resp: 397583

Ion Ratio Lower Upper

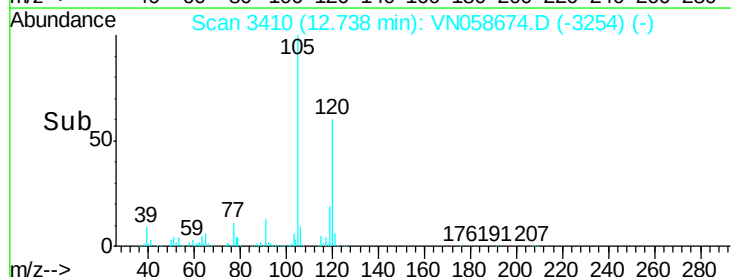
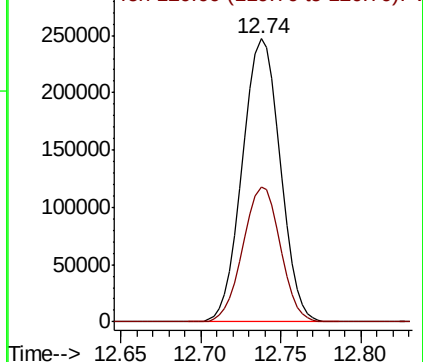
105 100

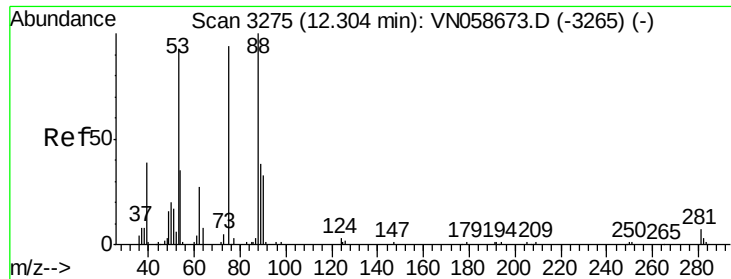
120 47.4 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058673.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058673.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.481 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

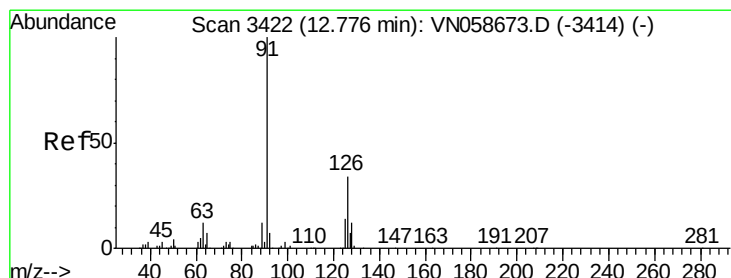
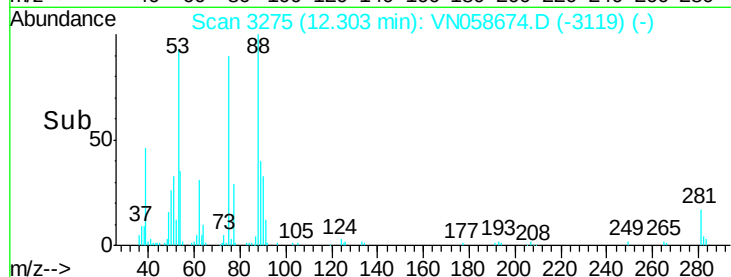
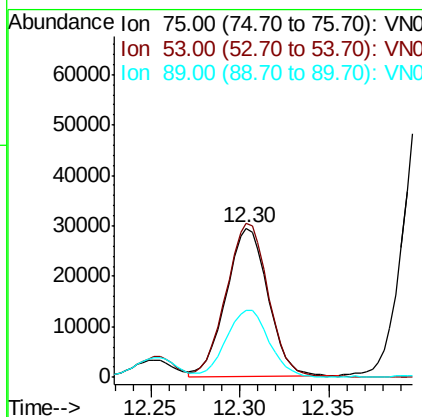
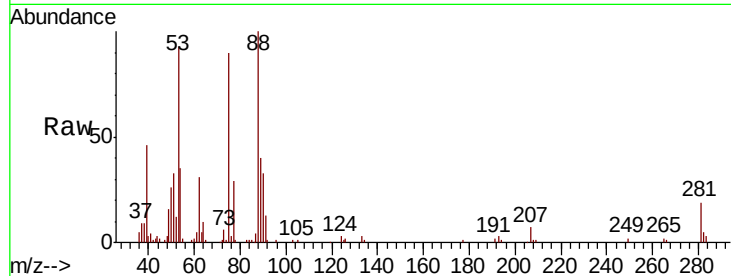
ClientSampleId :

ICVVN101119

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 48328 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 104.0 | 50.0  | 150.0 |
| 89       | 44.7  | 20.7  | 62.1  |

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#78

4-Chlorotoluene

Concen: 20.458 ug/l

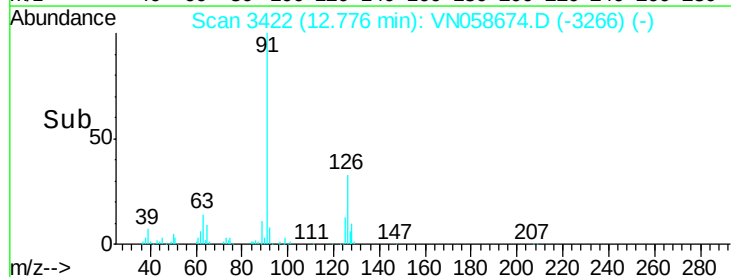
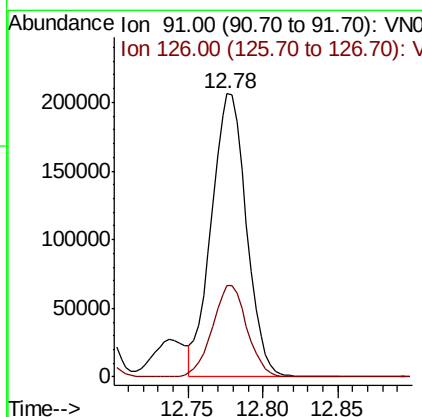
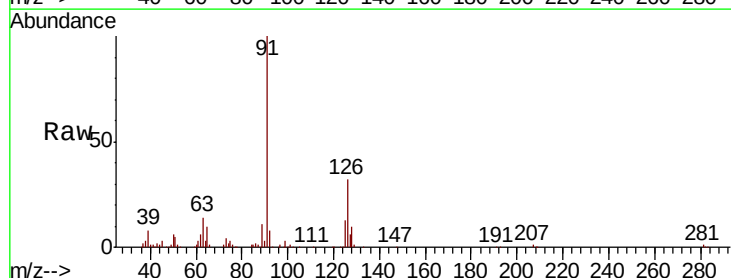
RT: 12.78 min Scan# 3422

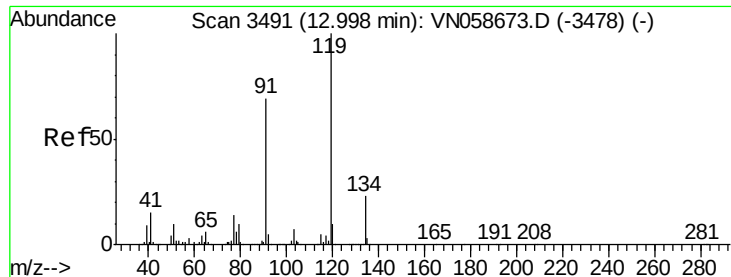
Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 334132 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 32.0  | 0.0   | 63.4   |





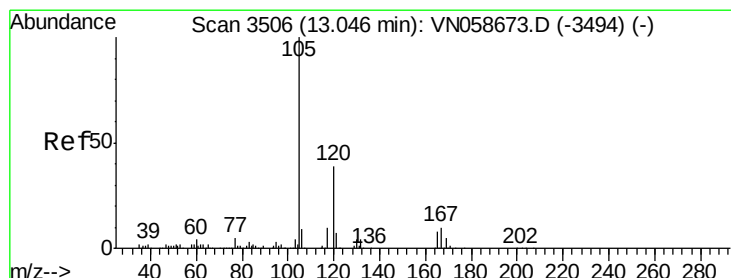
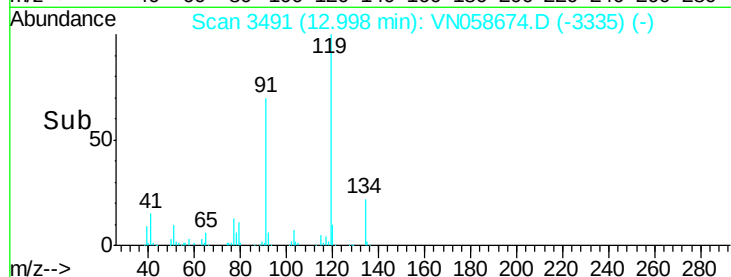
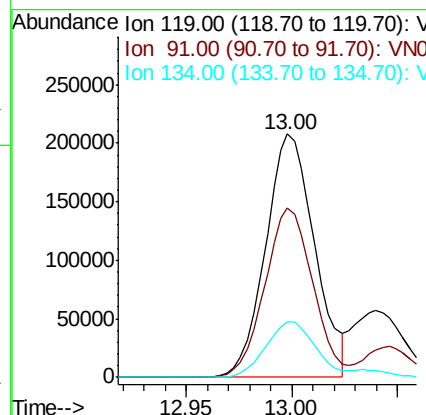
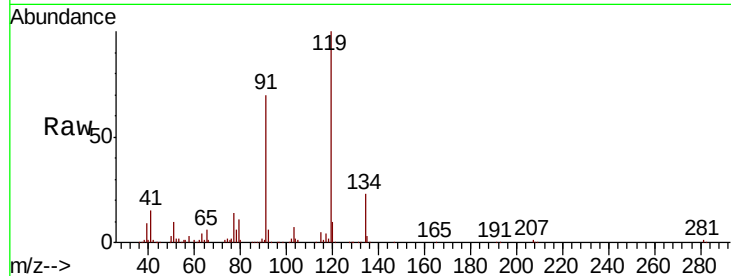
#79  
tert-butylbenzene  
Concen: 20.428 ug/l  
RT: 13.00 min Scan# 3491  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.3  | 0.0   | 136.4 |
| 134     | 23.3  | 0.0   | 47.2  |

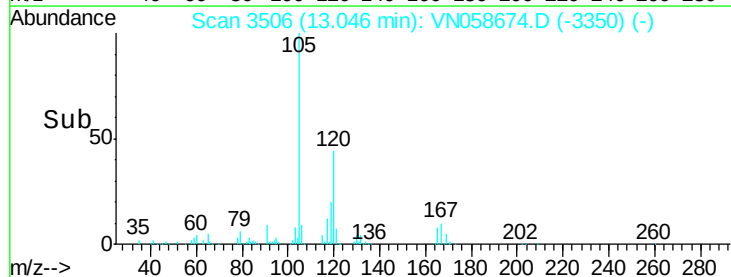
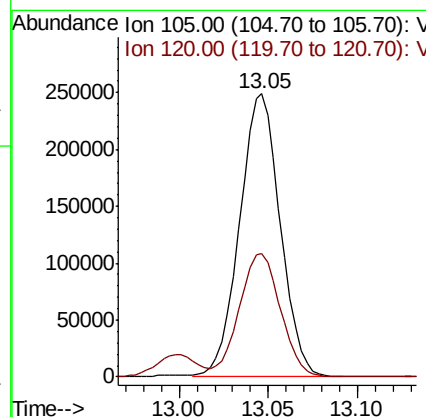
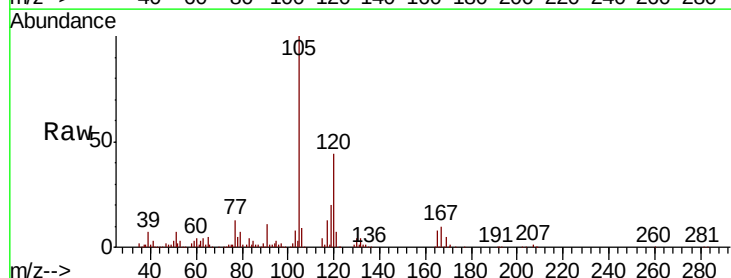
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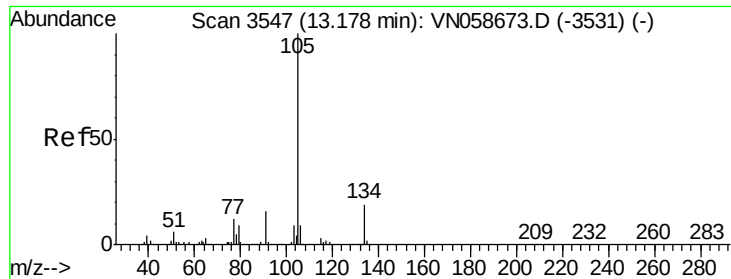
MMDadoda  
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#80  
1,2,4-Trimethylbenzene  
Concen: 20.603 ug/l  
RT: 13.05 min Scan# 3506  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.4  | 0.0   | 89.2  |





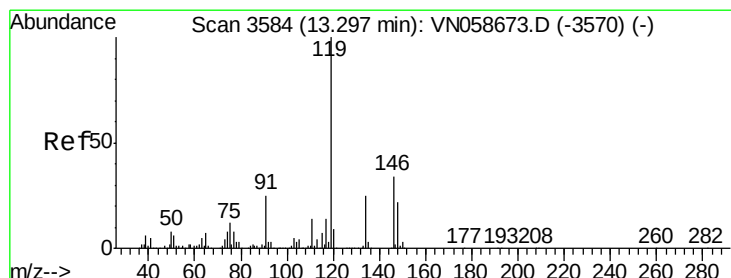
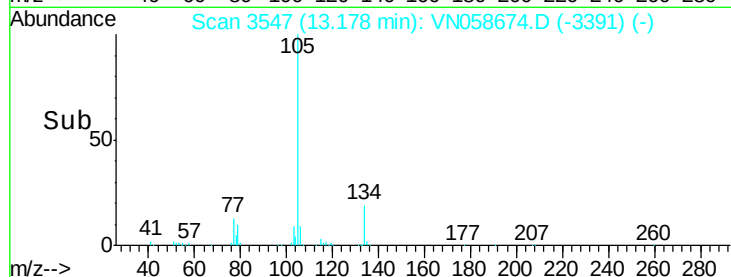
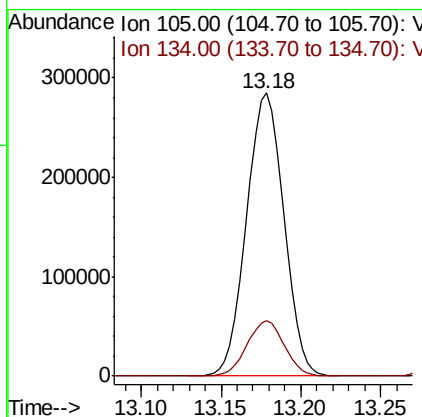
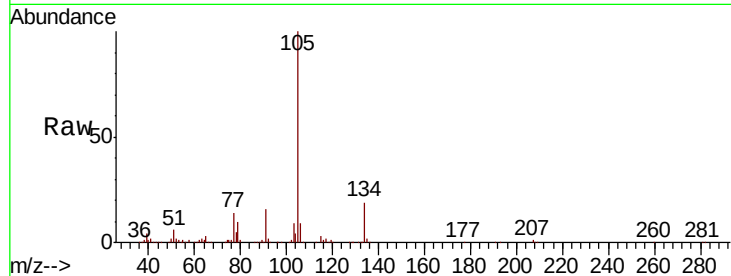
#81  
 sec-Butylbenzene  
 Concen: 20.502 ug/l  
 RT: 13.18 min Scan# 3547  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 454316 |       |       |
| 134     | 19.5  | 0.0    | 38.0  |       |

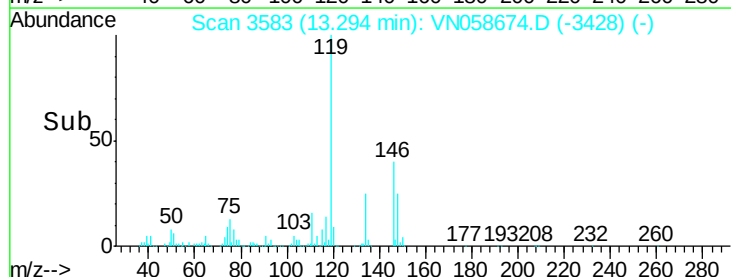
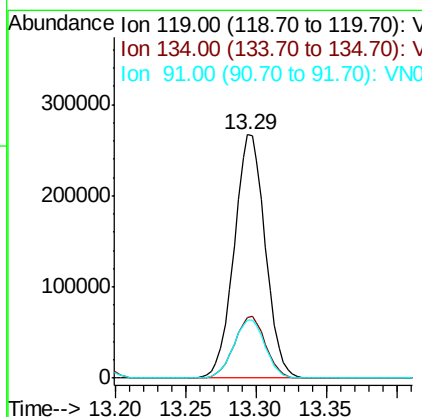
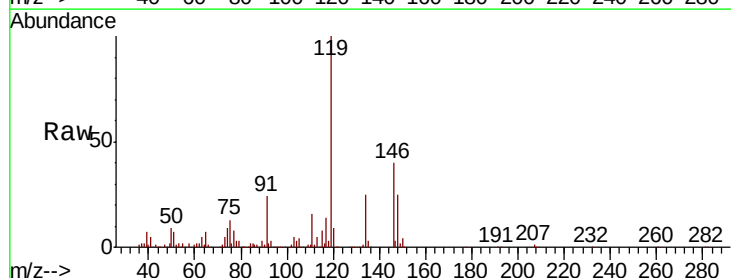
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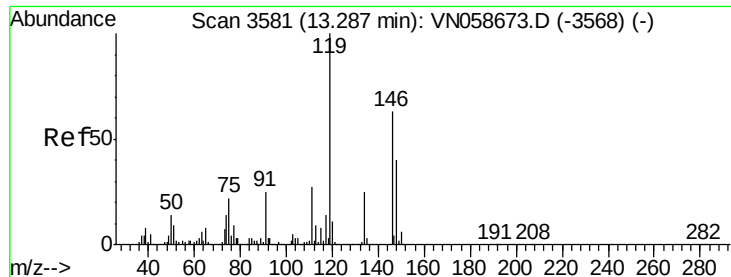
MMDadoda  
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#82  
 p-Isopropyltoluene  
 Concen: 20.616 ug/l  
 RT: 13.29 min Scan# 3583  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 410223 |       |       |
| 134     | 25.6  | 0.0    | 50.8  |       |
| 91      | 24.4  | 0.0    | 49.4  |       |





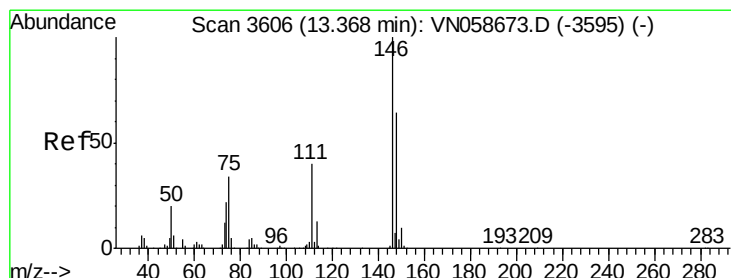
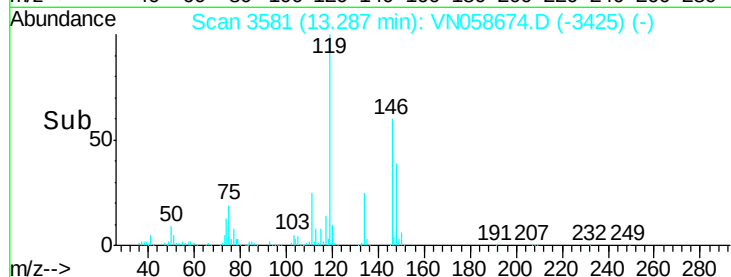
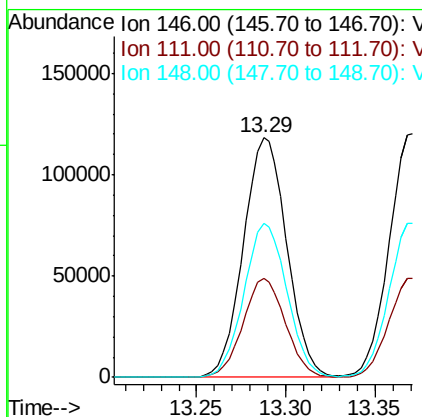
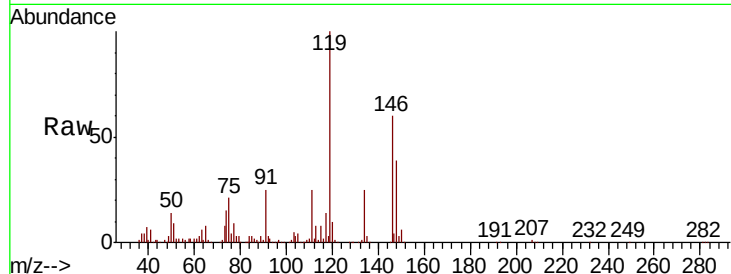
#83  
 1,3-Dichlorobenzene  
 Concen: 20.384 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.3  | 21.0  | 63.0  |
| 148     | 63.7  | 31.7  | 95.1  |

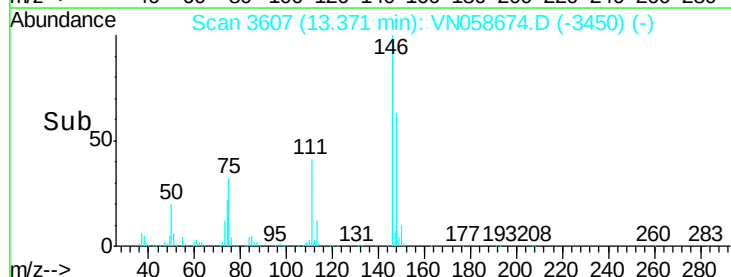
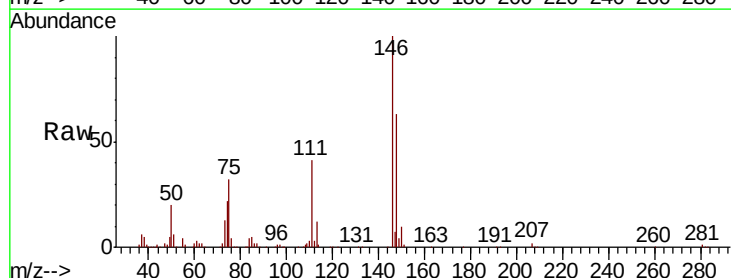
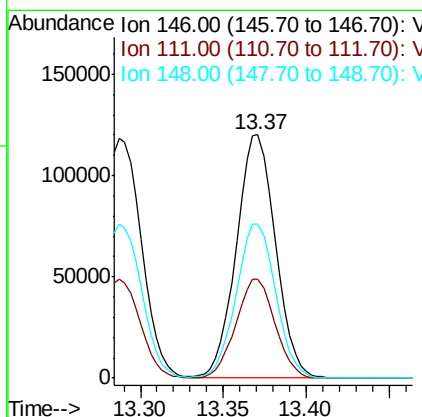
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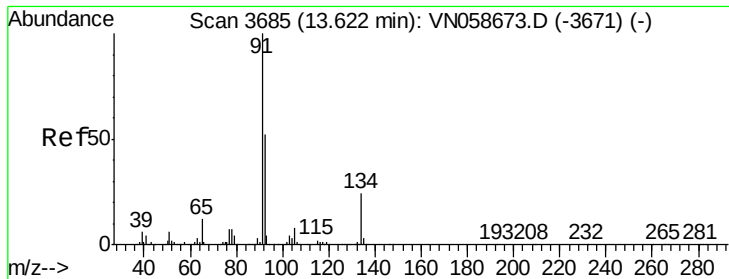
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#84  
 1,4-Dichlorobenzene  
 Concen: 19.933 ug/l  
 RT: 13.37 min Scan# 3607  
 Delta R.T. 0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 19.8  | 59.4  |
| 148     | 64.1  | 31.6  | 94.8  |





#85

n-Butylbenzene

Concen: 20.007 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

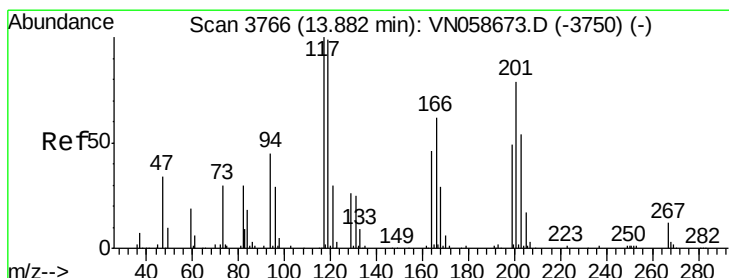
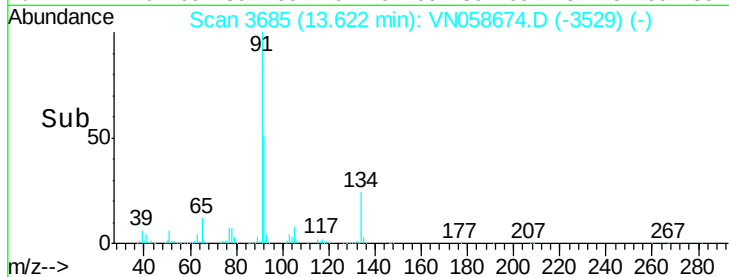
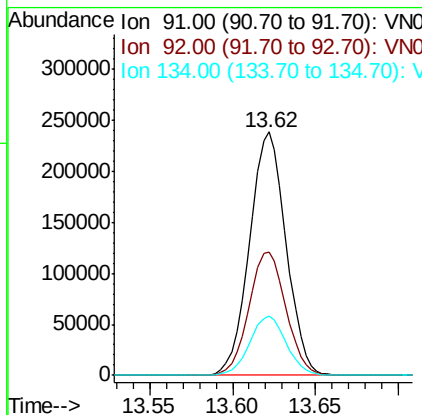
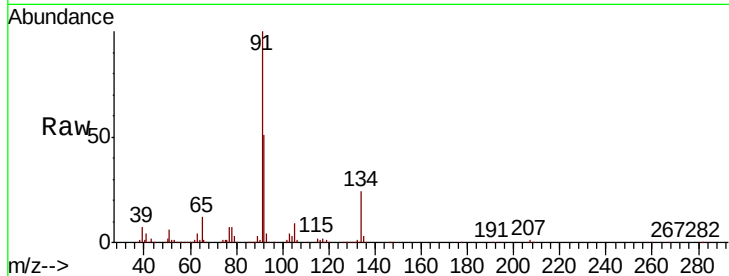
ClientSampleId :

ICVVN101119

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 364482 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 51.3  | 0.0   | 102.8  |
| 134       | 24.5  | 0.0   | 48.6   |

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#86

Hexachloroethane

Concen: 20.306 ug/l

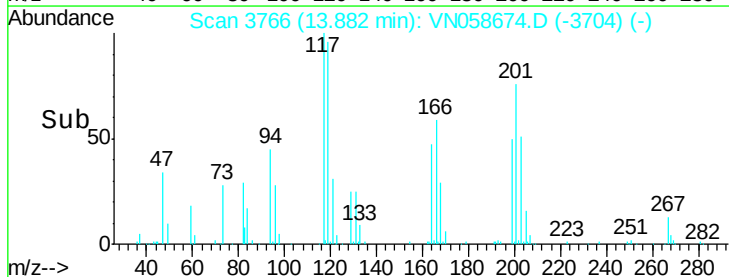
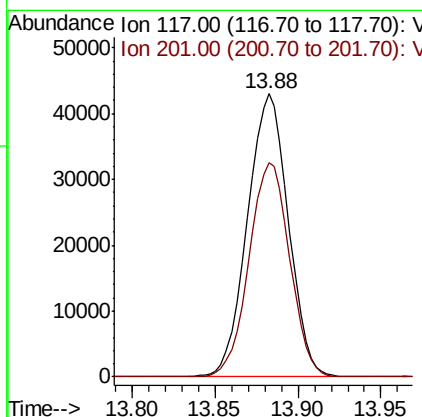
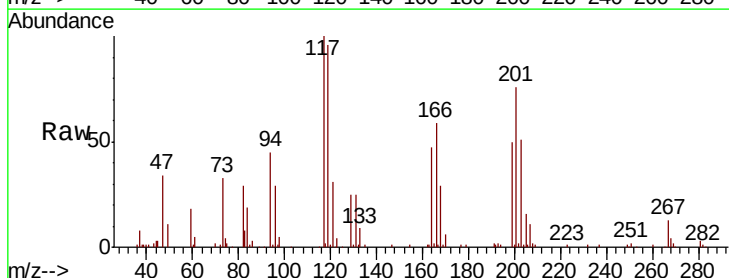
RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

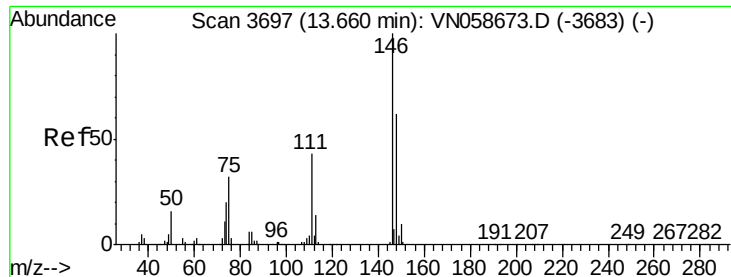
Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 73536 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 201       | 75.3  | 38.7  | 116.1 |







#87

1,2-Dichlorobenzene

Concen: 20.553 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

Instrument :

MSVOA\_N

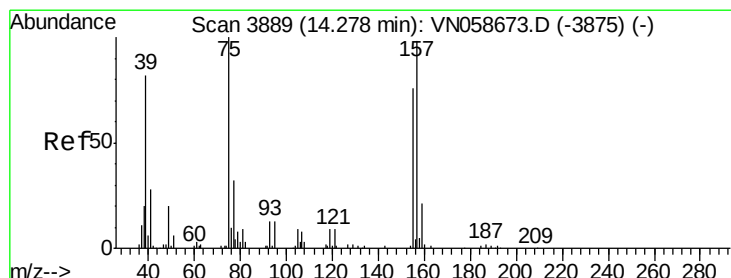
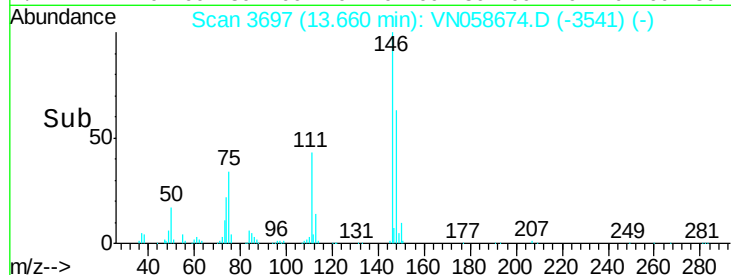
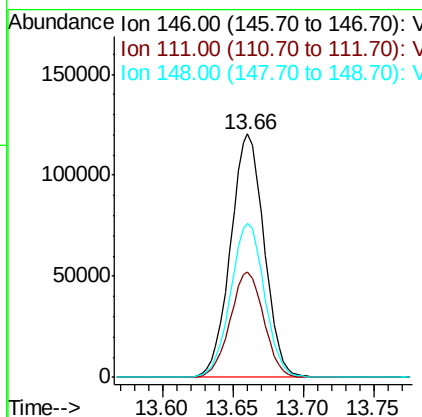
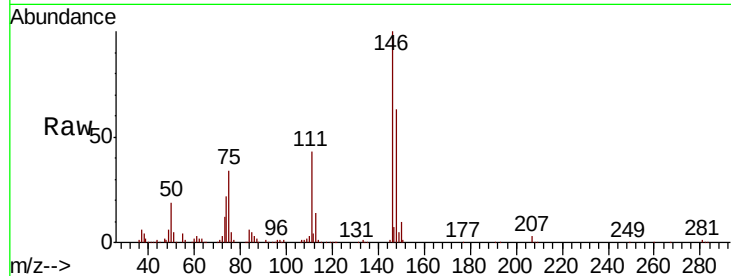
ClientSampleId :

ICVVN101119

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 146  | Resp: | 200673 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 43.4 | 21.8  | 65.4   |
| 148       | 63.9 | 32.1  | 96.5   |

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10/11/2019 2:47:42 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.919 ug/l

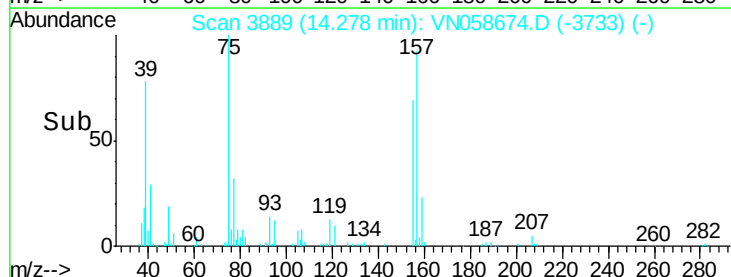
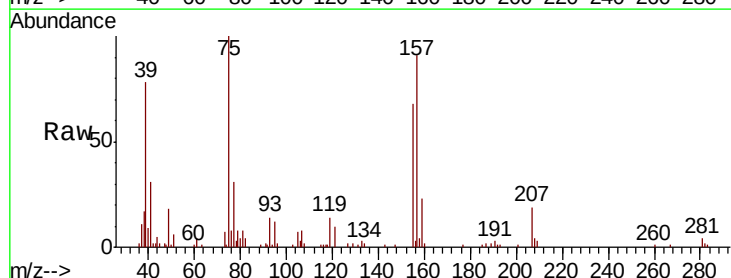
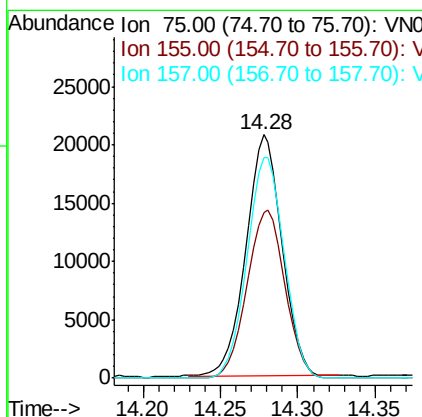
RT: 14.28 min Scan# 3889

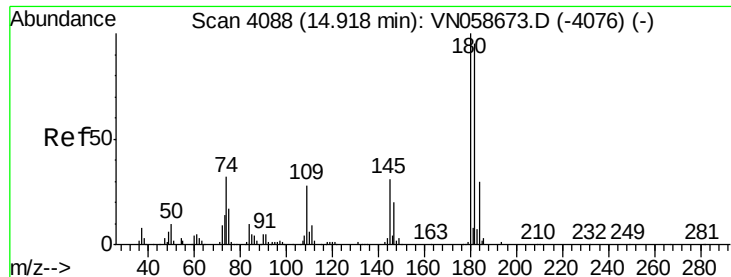
Delta R.T. -0.00 min

Lab File: VN058674.D

Acq: 10 Oct 2019 18:56

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 75   | Resp: | 33586 |
| Ion Ratio |      | Lower | Upper |
| 75        | 100  |       |       |
| 155       | 73.1 | 58.3  | 87.5  |
| 157       | 94.1 | 75.0  | 112.6 |





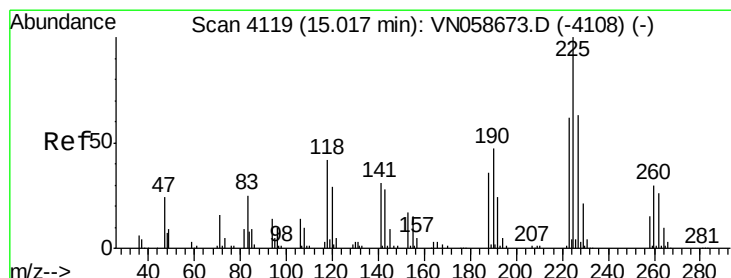
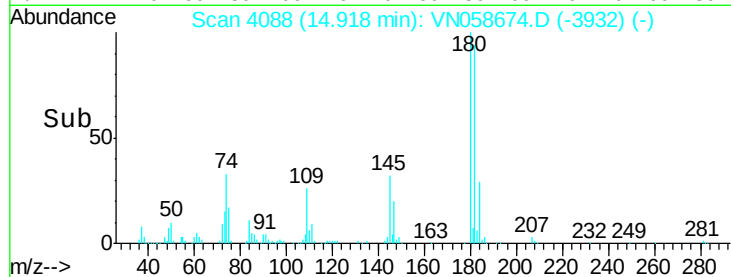
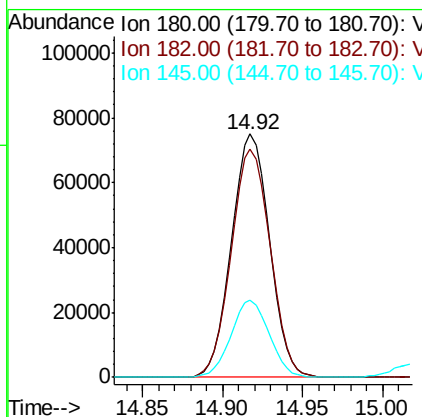
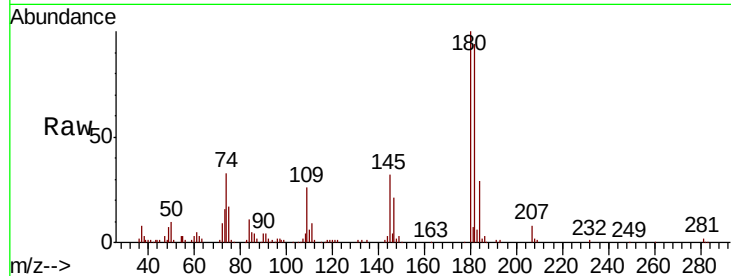
#89  
 1,2,4-Trichlorobenzene  
 Concen: 19.718 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN101119

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 121565 |       |       |
| 182     | 96.2  | 75.3   | 112.9 |       |
| 145     | 31.7  | 24.8   | 37.2  |       |

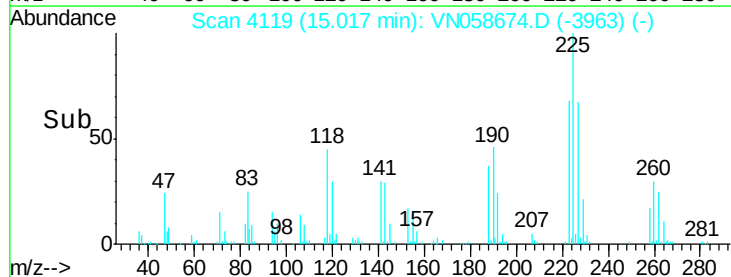
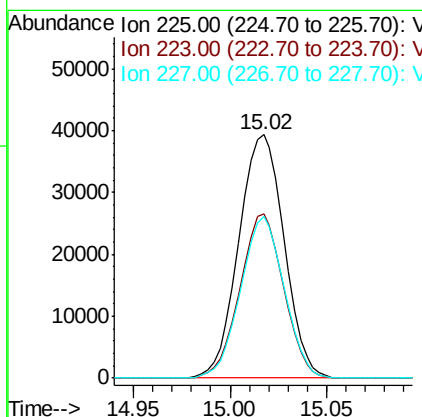
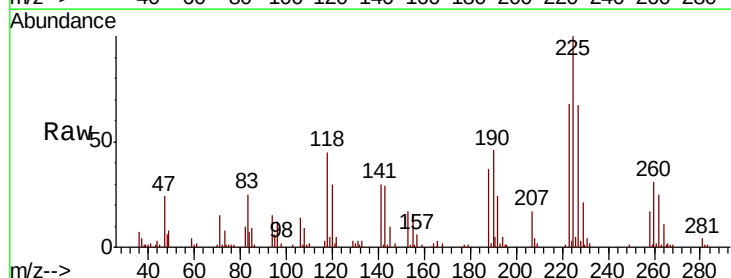
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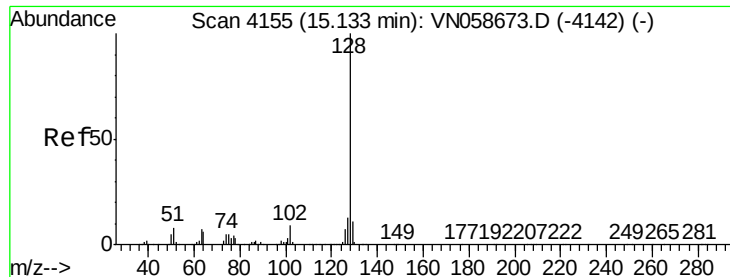
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#90  
 Hexachlorobutadiene  
 Concen: 20.174 ug/l  
 RT: 15.02 min Scan# 4119  
 Delta R.T. -0.00 min  
 Lab File: VN058674.D  
 Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 64224 |       |       |
| 223     | 64.9  | 0.0   | 126.2 |       |
| 227     | 63.7  | 0.0   | 127.0 |       |





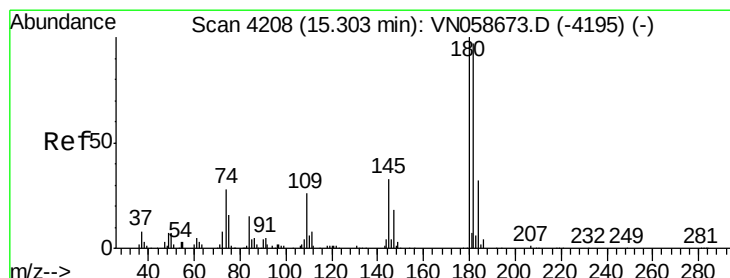
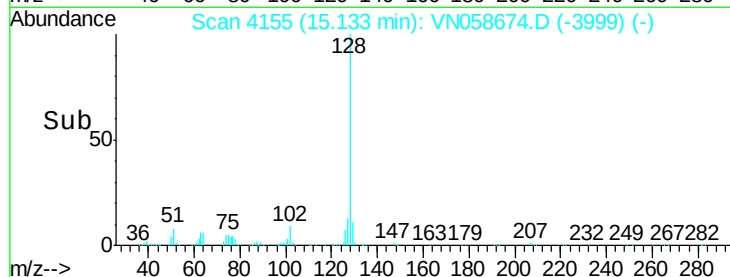
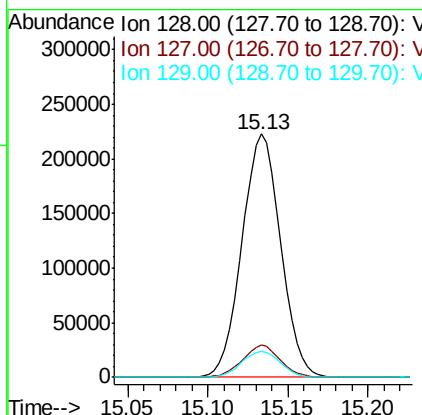
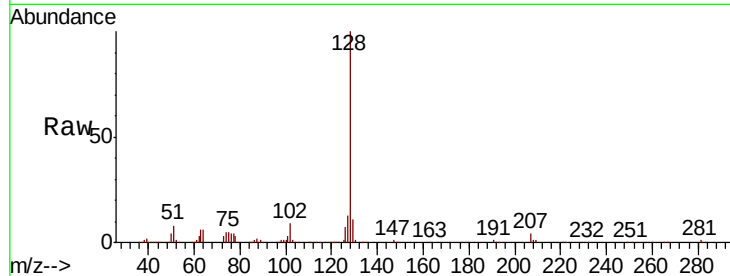
#91  
Naphthalene  
Concen: 20.225 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN101119

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 368142 |       |       |
| 127     | 13.0  | 10.2   | 15.2  |       |
| 129     | 10.8  | 8.6    | 13.0  |       |

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#92  
1,2,3-Trichlorobenzene  
Concen: 20.242 ug/l  
RT: 15.30 min Scan# 4207  
Delta R.T. -0.00 min  
Lab File: VN058674.D  
Acq: 10 Oct 2019 18:56

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 121478 |       |       |
| 182     | 94.5  | 0.0    | 193.4 |       |
| 145     | 32.5  | 0.0    | 65.8  |       |

