

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\  
 Data File : VN060517.D  
 Acq On : 16 Mar 2020 12:58  
 Operator : JC/MD  
 Sample : VN0316WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/17/2020 11:48:16 AM

Quant Time: Mar 17 09:11:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 199031   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 328044   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 297895   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 138906   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 127365   | 49.88 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.76%  |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 95970    | 63.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 126.06% |      |
| 50) Toluene-d8            | 10.08  | 98  | 365559   | 47.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.88%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 138403   | 47.38 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.76%  |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 27510  | 15.076  | ug/l | 99     |
| 3) Chloromethane              | 2.04 | 50  | 48932  | 15.402  | ug/l | 97     |
| 4) Vinyl Chloride             | 2.16 | 62  | 40087  | 14.713  | ug/l | 97     |
| 5) Bromomethane               | 2.54 | 94  | 19069  | 15.740  | ug/l | 99     |
| 6) Chloroethane               | 2.69 | 64  | 25199  | 17.070  | ug/l | 91     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 58325  | 16.754  | ug/l | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 24856  | 18.911  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 35797  | 18.170  | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 27122  | 15.084  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.72 | 59  | 37307  | 98.390  | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 33623  | 17.534  | ug/l | 95     |
| 13) Acrolein                  | 3.58 | 56  | 30534  | 86.318  | ug/l | 97     |
| 14) Allyl chloride            | 4.29 | 41  | 63079  | 17.892  | ug/l | 97     |
| 15) Acrylonitrile             | 4.94 | 53  | 104395 | 104.454 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 90491  | 109.735 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.03 | 76  | 79836  | 15.244  | ug/l | 97     |
| 18) Methyl Acetate            | 4.28 | 43  | 55820  | 20.284  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 137233 | 19.767  | ug/l | 98     |
| 20) Methylene Chloride        | 4.52 | 84  | 42007  | 18.549  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.00 | 96  | 36863  | 17.668  | ug/l | 93     |
| 22) Diisopropyl ether         | 5.91 | 45  | 147844 | 20.702  | ug/l | 95     |
| 23) Vinyl Acetate             | 5.86 | 43  | 578738 | 101.984 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.81 | 63  | 77994  | 19.294  | ug/l | 99     |
| 25) 2-Butanone                | 6.80 | 43  | 140318 | 105.345 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 68490  | 18.610  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 47055  | 17.919  | ug/l | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 31985  | 19.271  | ug/l | 94     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 94273  | 101.781 | ug/l | 97     |
| 30) Chloroform                | 7.35 | 83  | 77225  | 19.190  | ug/l | 99     |
| 31) Cyclohexane               | 7.63 | 56  | 66202  | 18.342  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 64735  | 18.156  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 54643  | 17.478  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.89 | 43  | 59622  | 20.140  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 50339  | 16.537  | ug/l | 100    |

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 Operator : JC/MD  
 Sample : VN0316WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0316WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/17/2020 11:48:16 AM

Quant Time: Mar 17 09:11:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 59995    | 16.276  | ug/l   | 96       |
| 40) Benzene                    | 8.02  | 78   | 169604   | 18.639  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.14  | 41   | 27862m   | 20.383  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 62969    | 19.176  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 103751   | 20.019  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 44543    | 17.576  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 48439    | 20.360  | ug/l   | 99       |
| 46) Dibromomethane             | 9.19  | 93   | 28645    | 18.556  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.38  | 83   | 60606    | 19.303  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.18  | 41   | 44175    | 18.692  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 12562    | 377.979 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 299363   | 101.879 | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 102264   | 17.891  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 72128    | 18.748  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 75822    | 19.020  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 42685    | 18.569  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 64112    | 19.414  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 74401    | 19.847  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 157545   | 91.215  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.74 | 43   | 211819   | 98.180  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 44893    | 19.204  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 41534    | 18.535  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.62 | 164  | 42925    | 17.378  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.42 | 112  | 109104   | 18.138  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 41346    | 18.590  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.50 | 91   | 198989   | 18.165  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.61 | 106  | 146111   | 35.353  | ug/l   | 99       |
| 69) o-Xylene                   | 11.94 | 106  | 71993    | 18.267  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 114495   | 17.670  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 30446    | 18.994  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.24 | 105  | 192362   | 18.684  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 87685    | 19.490  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 59764    | 21.355  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 54291m   | 17.814  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 46937    | 18.598  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 224142   | 18.573  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 133735   | 18.852  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 162593   | 18.757  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 21555    | 19.524  | ug/l # | 86       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 136512   | 18.265  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 136789   | 18.226  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 161942   | 18.509  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 182692   | 18.178  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 163528   | 17.580  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 82636    | 18.938  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 82867    | 19.005  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 150055   | 17.573  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 23375    | 17.361  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 81919    | 18.525  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 11922    | 18.812  | ug/l   | 95       |

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Data File : VN060517.D  
Acq On : 16 Mar 2020 12:58  
Operator : JC/MD  
Sample : VN0316WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

Manual Integrations  
APPROVED

MMDadoda  
3/17/2020 11:48:16 AM

Quant Time: Mar 17 09:11:46 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 27 13:52:50 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 49076    | 17.523 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 25035    | 19.028 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 140521   | 16.798 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 47651    | 17.890 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBSD01

Tot Ion:168 Resp: 199031

Ion Ratio Lower Upper

168 100

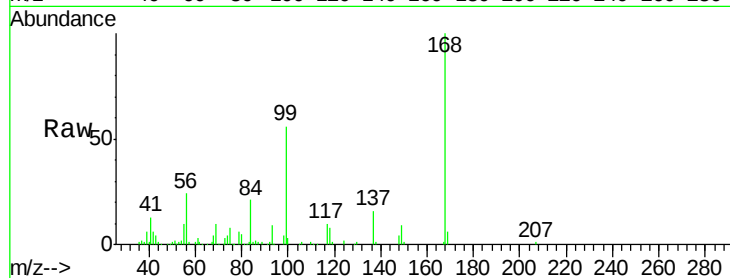
99 55.7 44.7 67.1

Manual Integrations

APPROVED

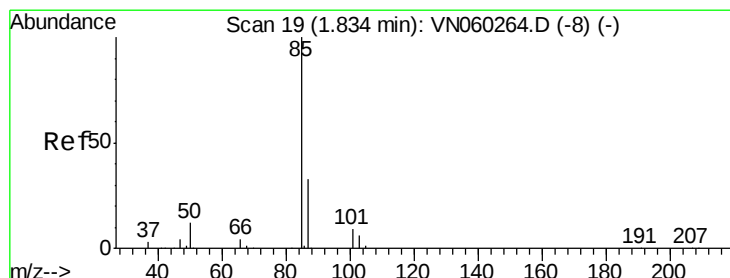
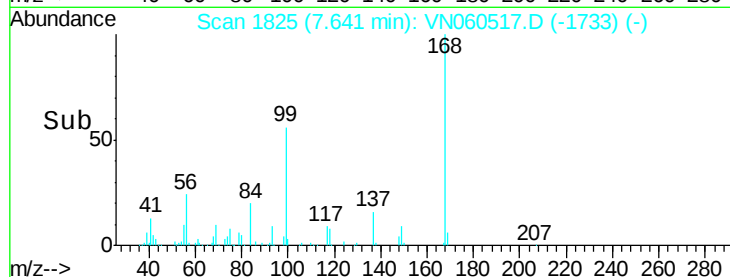
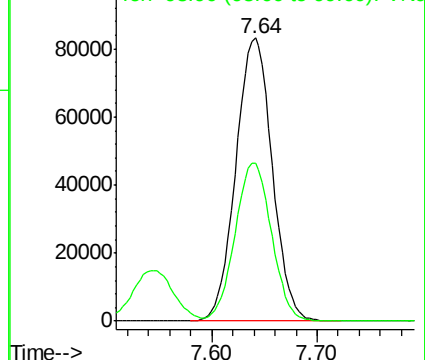
MMDadoda

3/17/2020 11:48:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 15.076 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060517.D

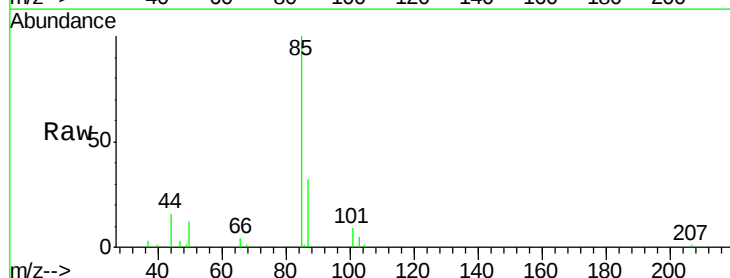
Acq: 16 Mar 2020 12:58

Tgt Ion: 85 Resp: 27510

Ion Ratio Lower Upper

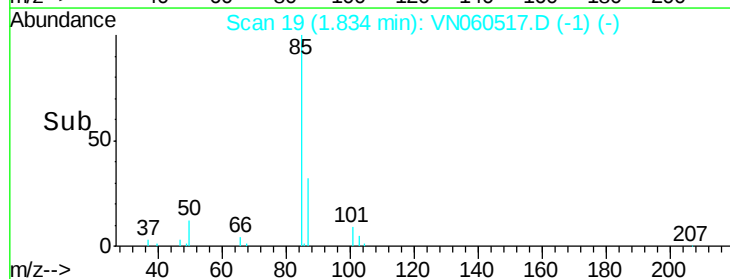
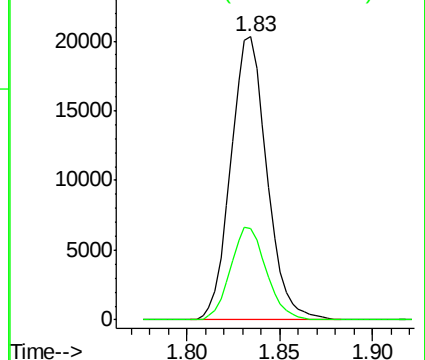
85 100

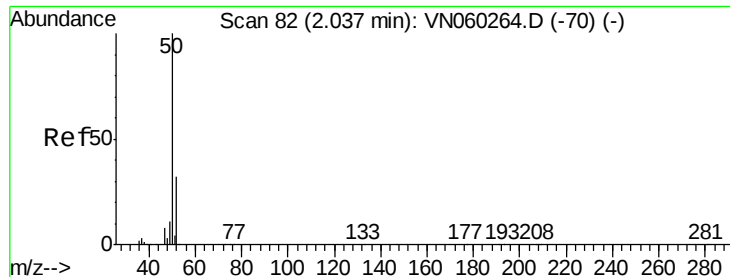
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 15.402 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBSD01

Tot Ion: 50 Resp: 48932

Ion Ratio Lower Upper

50 100

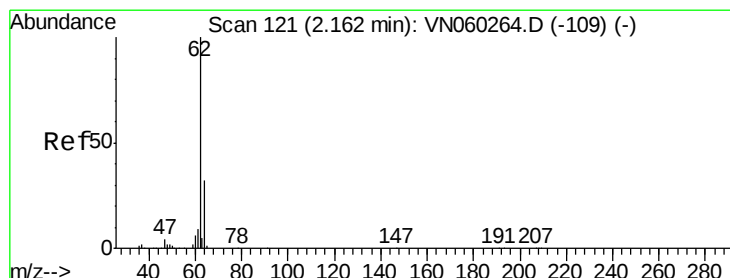
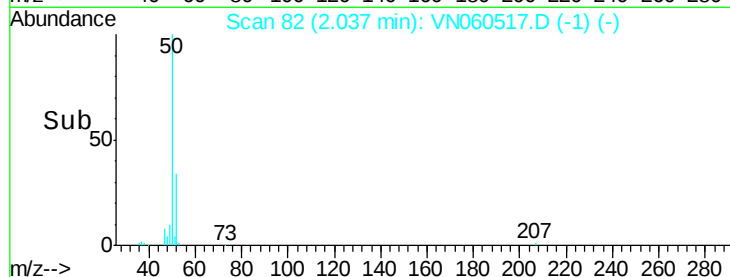
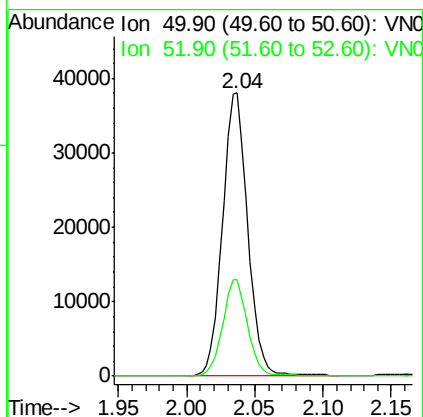
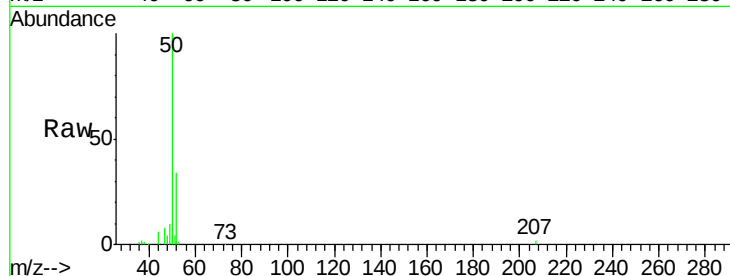
52 33.9 25.6 38.4

Manual Integrations

APPROVED

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3/17/2020 11:48:16 AM



#4

Vinyl Chloride

Concen: 14.713 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060517.D

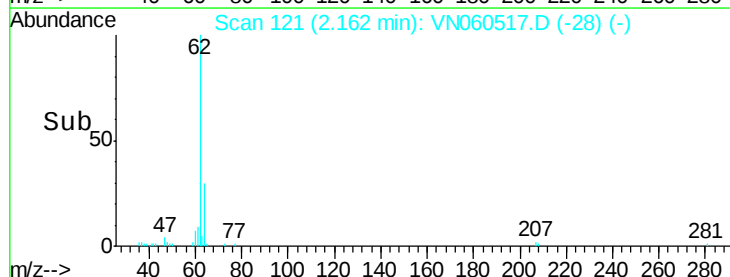
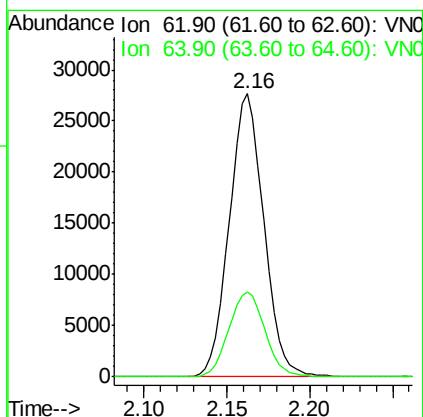
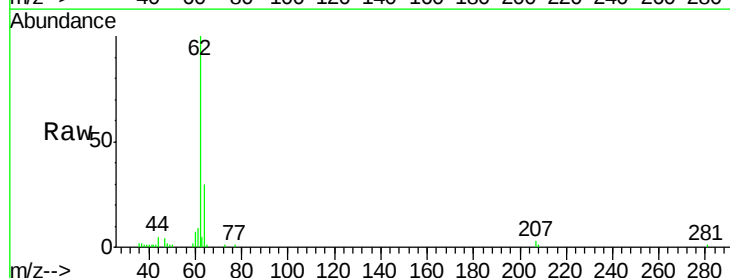
Acq: 16 Mar 2020 12:58

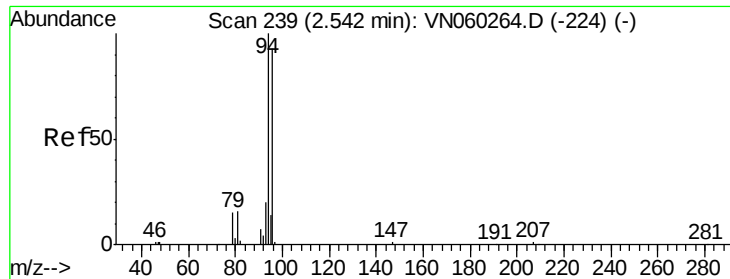
Tgt Ion: 62 Resp: 40087

Ion Ratio Lower Upper

62 100

64 30.2 25.5 38.3





#5

Bromomethane

Concen: 15.740 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBSD01

Tot Ion: 94 Resp: 19069

Ion Ratio Lower Upper

94 100

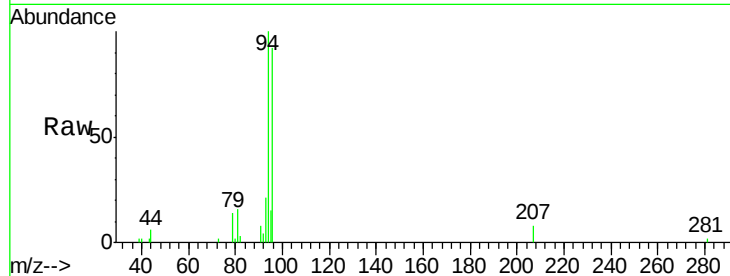
96 92.3 74.3 111.5

Manual Integrations

APPROVED

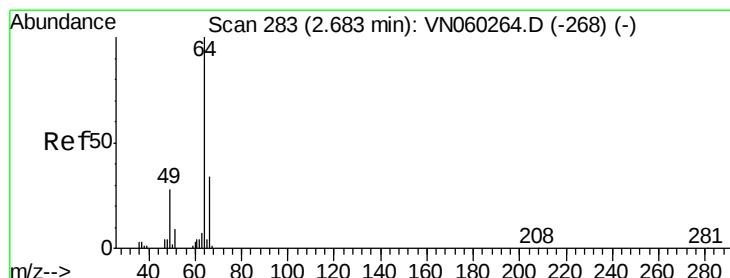
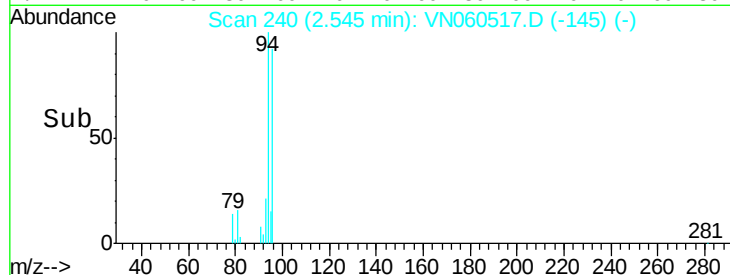
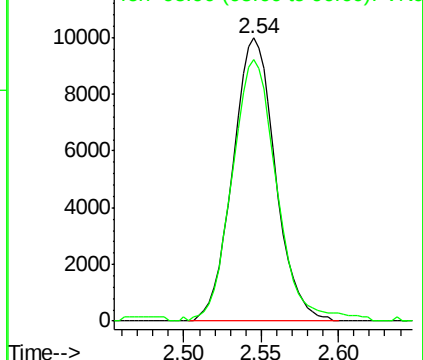
MMDadoda

3/17/2020 11:48:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.070 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060517.D

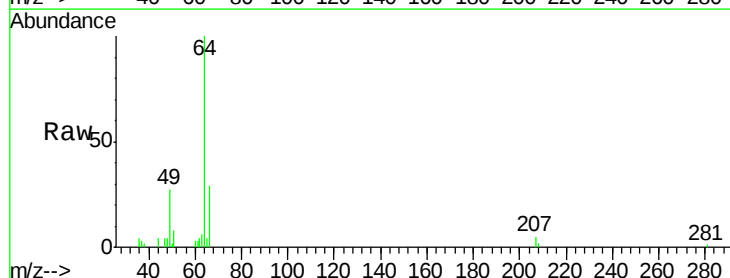
Acq: 16 Mar 2020 12:58

Tgt Ion: 64 Resp: 25199

Ion Ratio Lower Upper

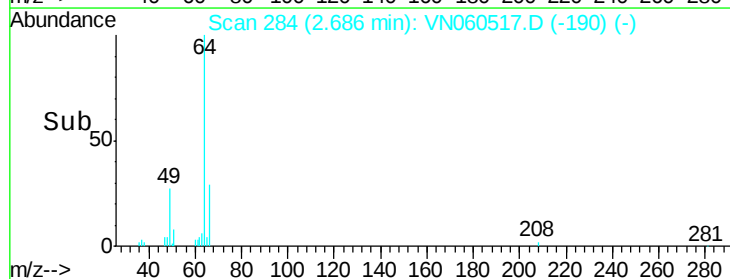
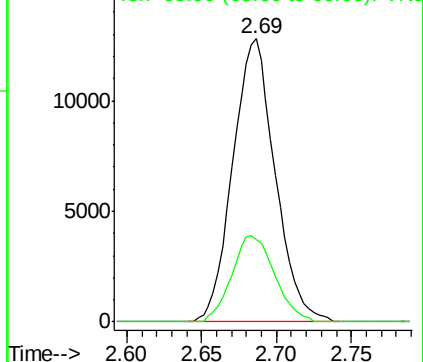
64 100

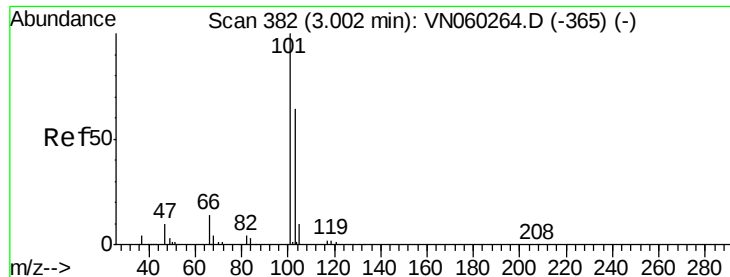
66 29.2 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

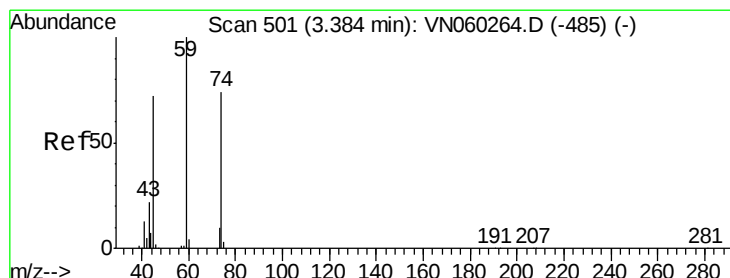
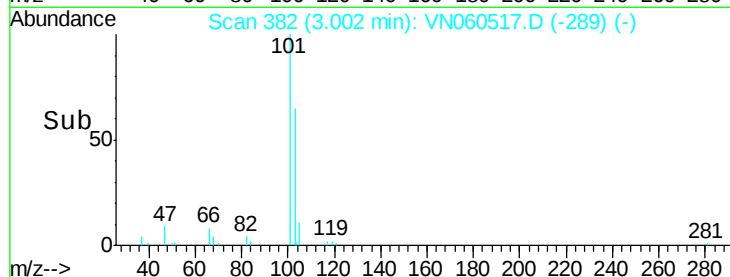
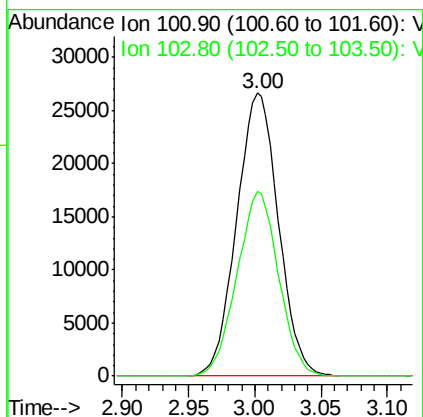
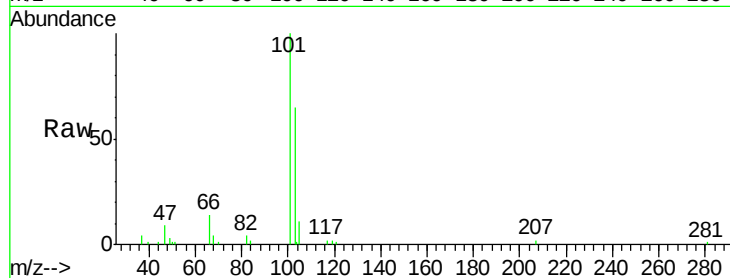
Trichlorofluoromethane  
Concen: 16.754 ug/l  
RT: 3.00 min Scan# 382  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.3  | 51.3  | 76.9  |

Manual Integrations  
APPROVED

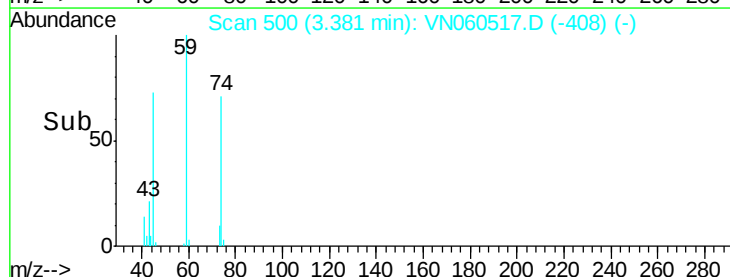
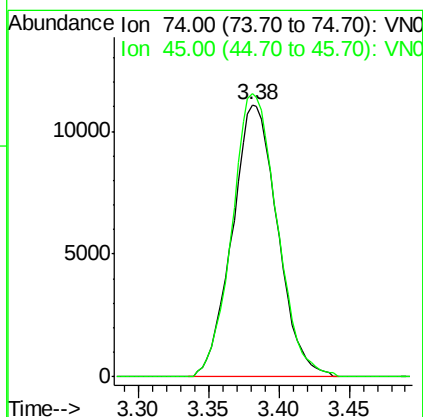
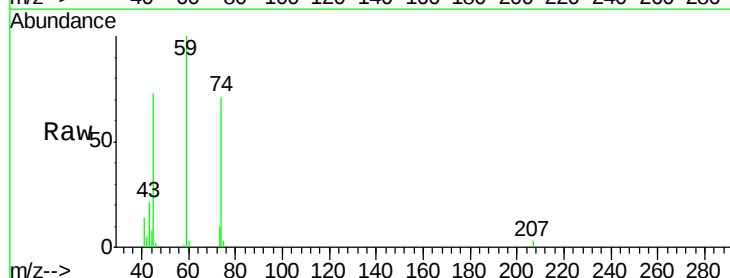
MMDadoda  
3/17/2020 11:48:16 AM



#8

Diethyl Ether  
Concen: 18.911 ug/l  
RT: 3.38 min Scan# 500  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 103.7 | 49.5  | 148.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.170 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

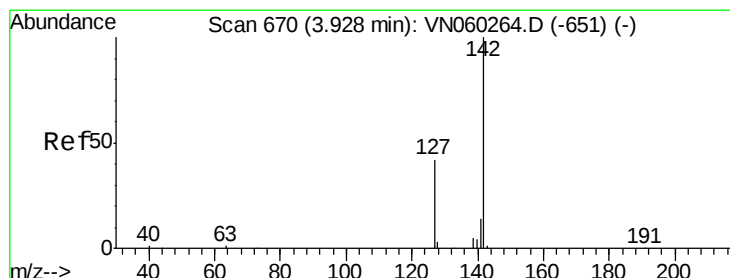
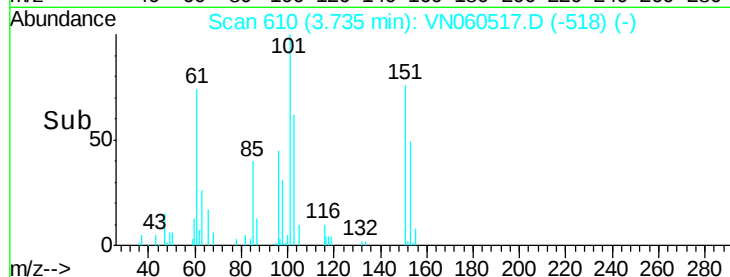
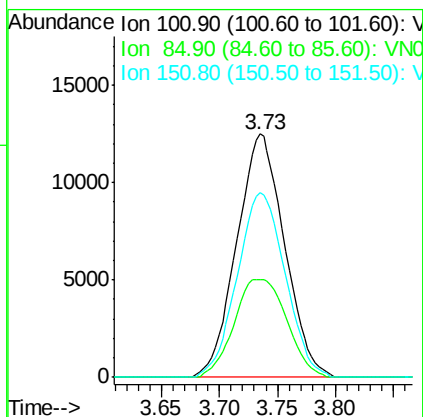
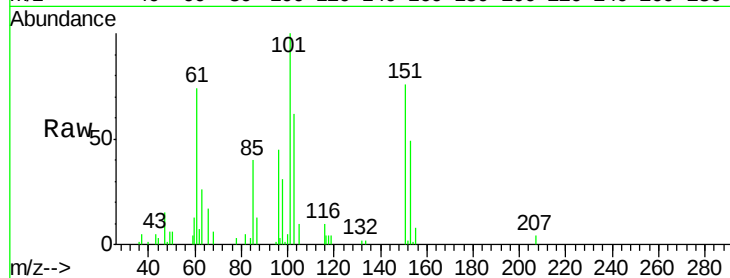
ClientSampleId :

VN0316WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 35797 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.3  | 35.4  | 53.2  |
| 151       | 76.2  | 62.0  | 93.0  |

Manual Integrations  
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3/17/2020 11:48:16 AM



#10

Methyl Iodide

Concen: 15.084 ug/l

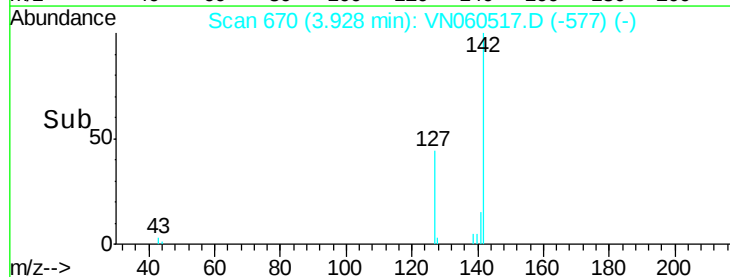
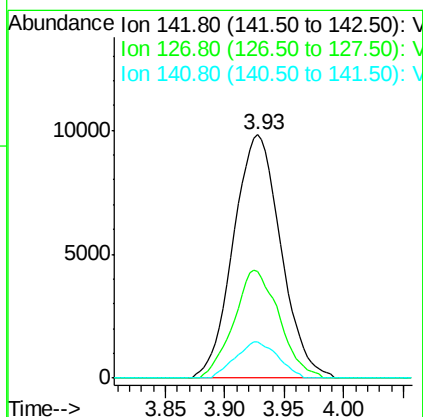
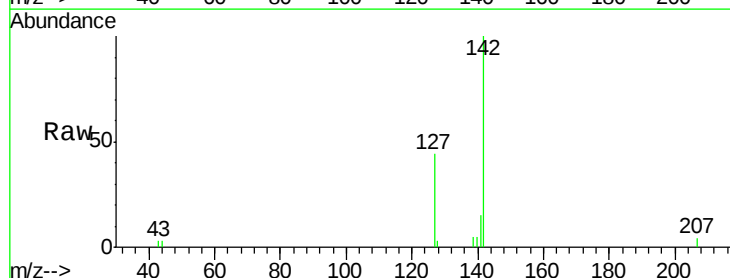
RT: 3.93 min Scan# 670

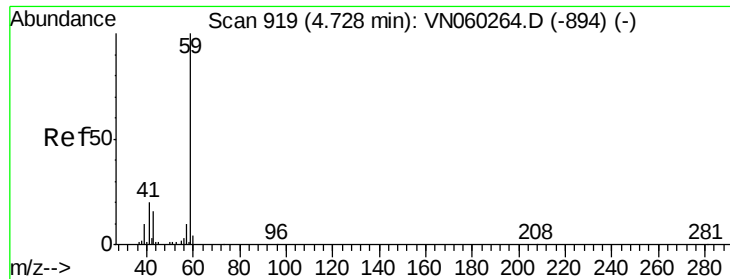
Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 27122 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.3  | 33.8  | 50.6  |
| 141       | 13.4  | 11.1  | 16.7  |





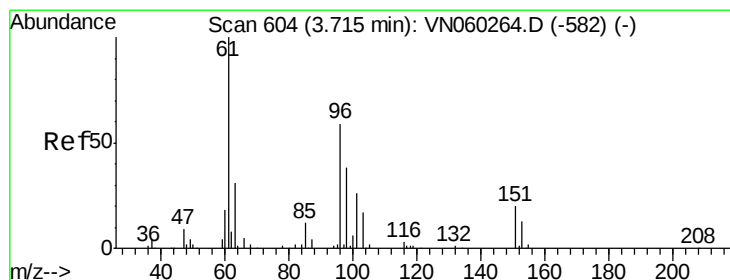
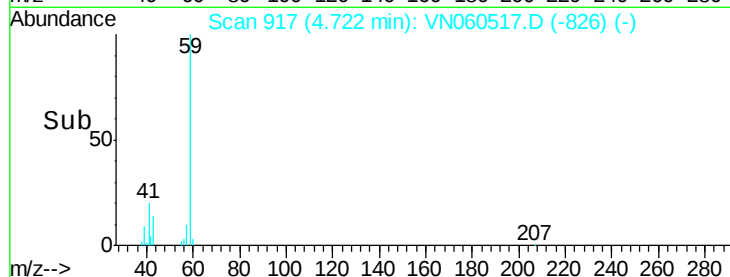
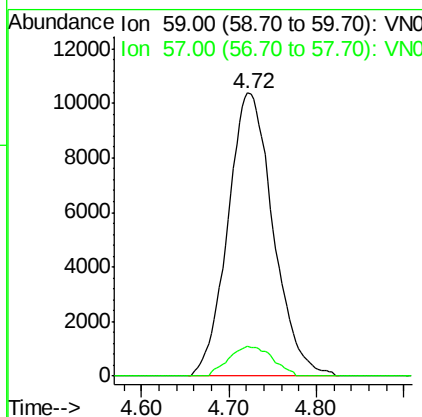
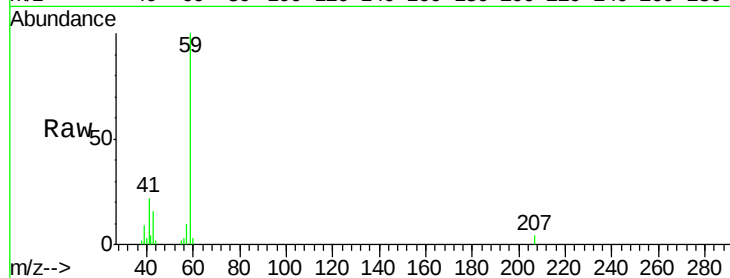
#11  
Tert butyl alcohol  
Concen: 98.390 ug/l  
RT: 4.72 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion   | 59   | Resp  | 37307 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.2 | 8.2   | 12.2  |

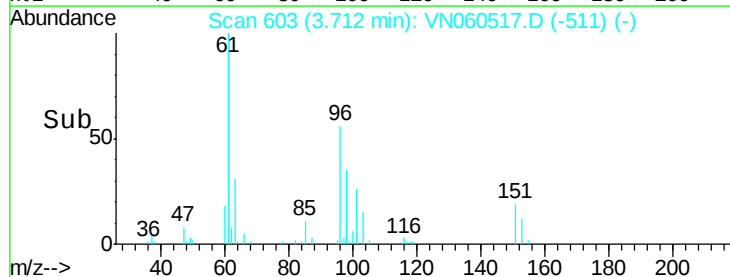
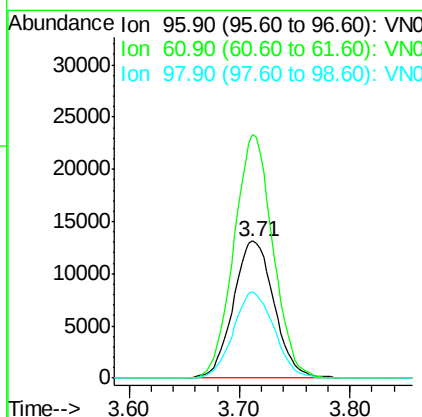
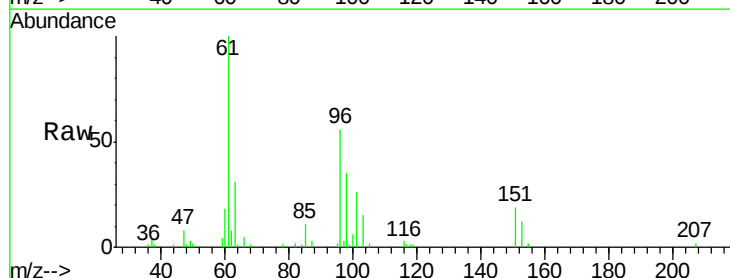
Manual Integrations  
APPROVED

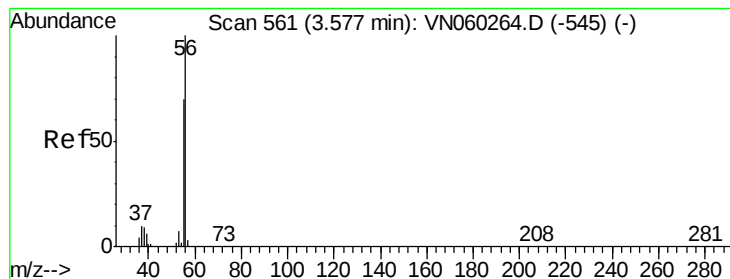
MMDadoda  
3/17/2020 11:48:16 AM



#12  
1,1-Dichloroethene  
Concen: 17.534 ug/l  
RT: 3.71 min Scan# 603  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion   | 96    | Resp  | 33623 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 61        | 177.5 | 135.4 | 203.0 |
| 98        | 62.8  | 51.6  | 77.4  |





#13

Acrolein

Concen: 86.318 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBSD01

Tot Ion: 56 Resp: 30534

Ion Ratio Lower Upper

56 100

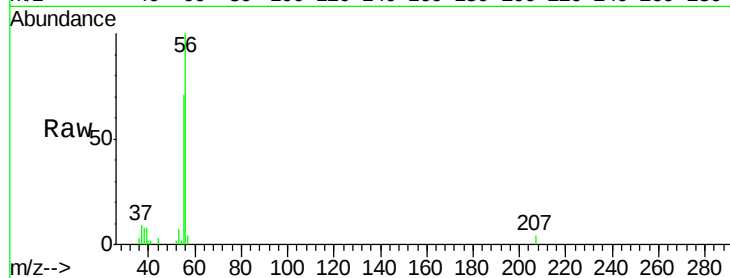
55 69.3 57.4 86.0

Manual Integrations

APPROVED

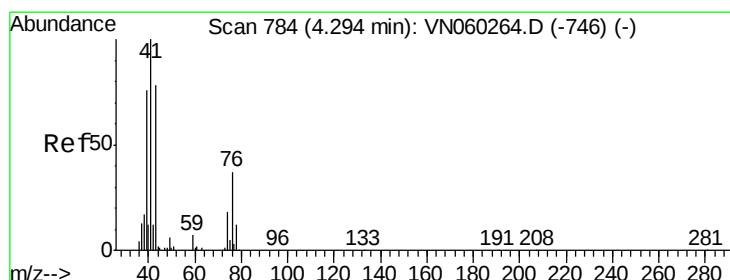
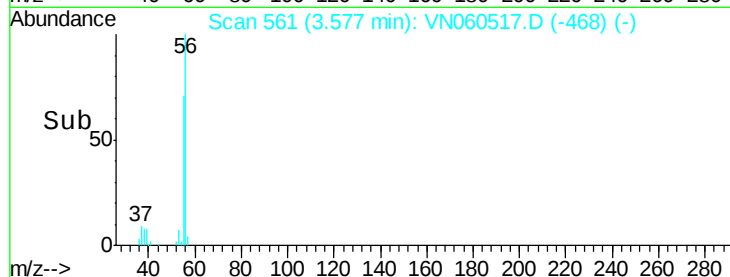
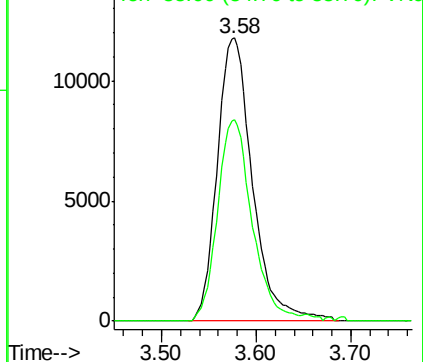
MMDadoda

3/17/2020 11:48:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.892 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

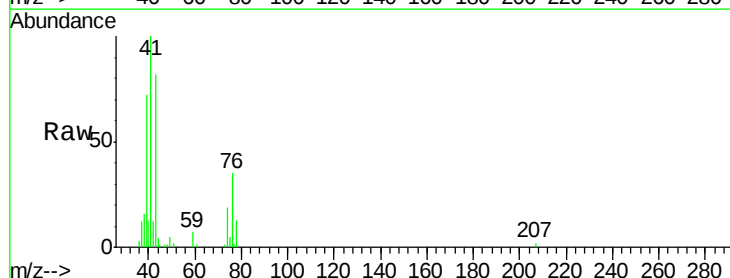
Tgt Ion: 41 Resp: 63079

Ion Ratio Lower Upper

41 100

39 72.8 55.4 83.2

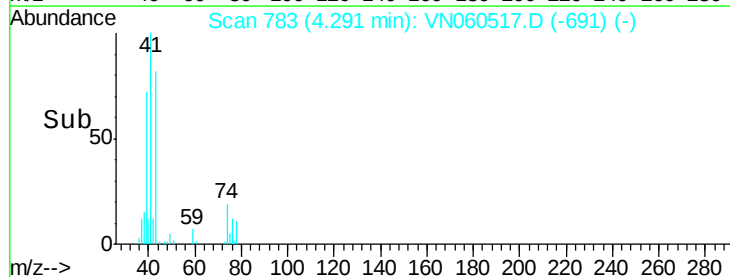
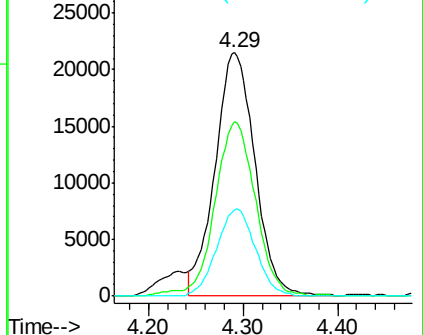
76 34.6 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.454 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

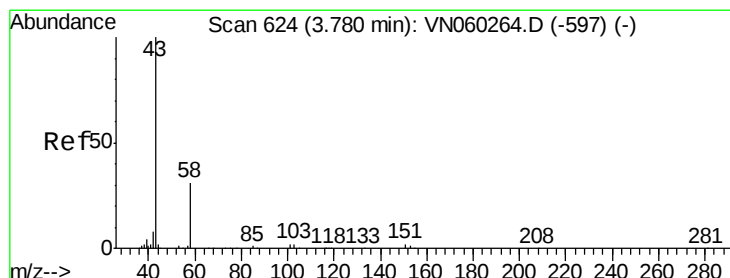
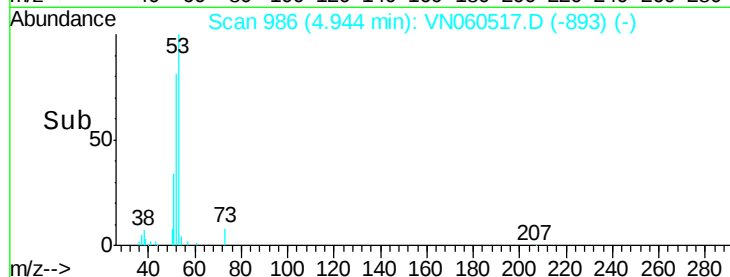
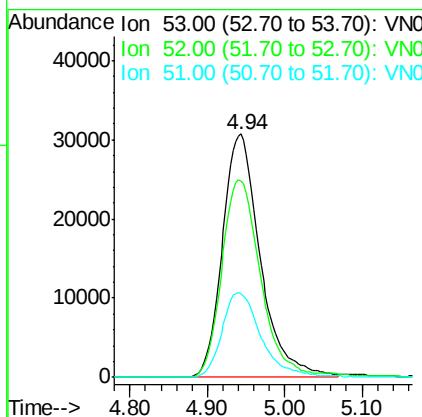
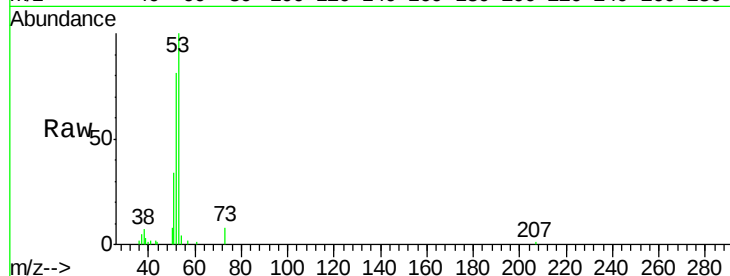
ClientSampleId :

VN0316WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 104395 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.7  | 66.8  | 100.2  |
| 51        | 35.9  | 29.0  | 43.6   |

Manual Integrations  
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3/17/2020 11:48:16 AM



#16

Acetone

Concen: 109.735 ug/l

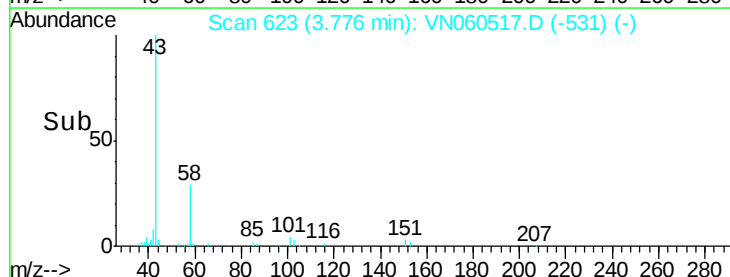
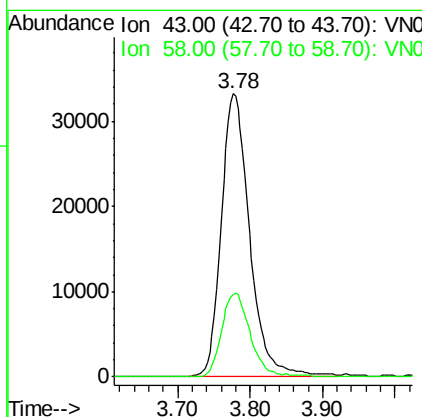
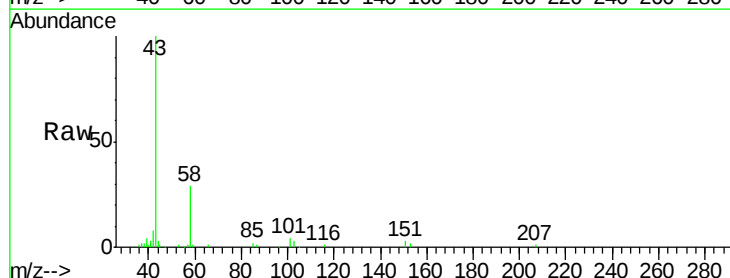
RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 90491 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 29.1  | 24.6  | 36.8  |





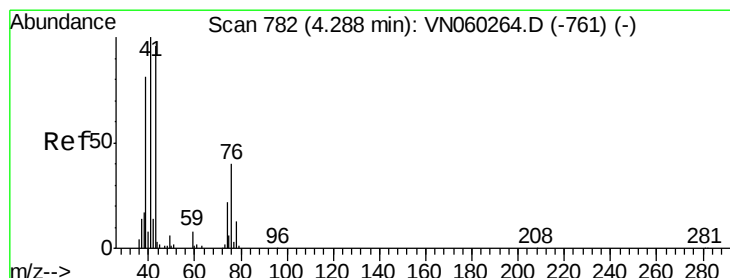
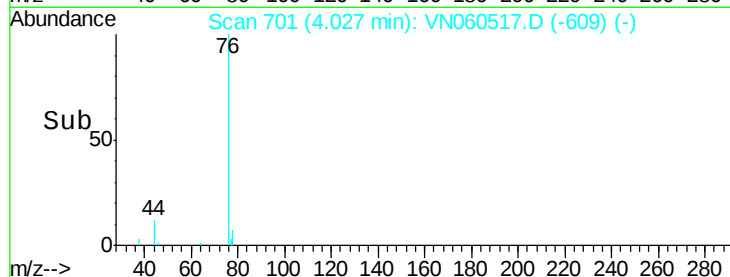
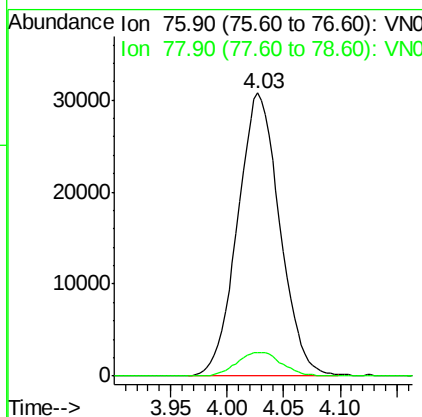
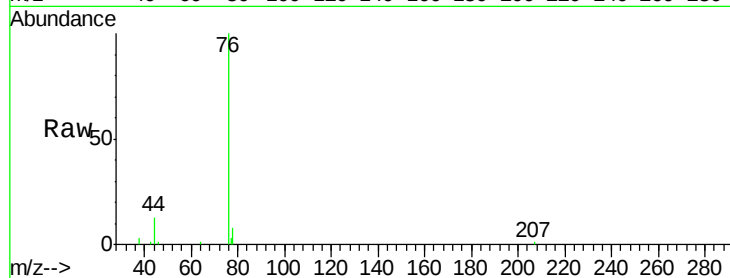
#17  
Carbon Disulfide  
Concen: 15.244 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.2   | 7.4   | 11.0  |

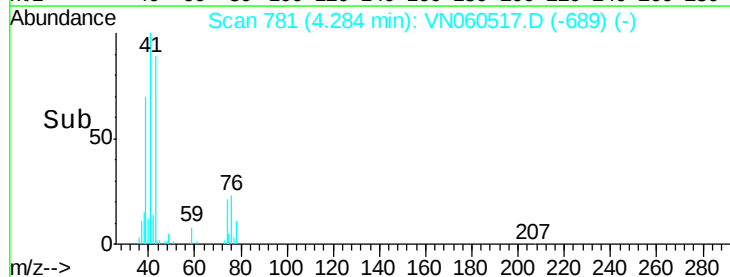
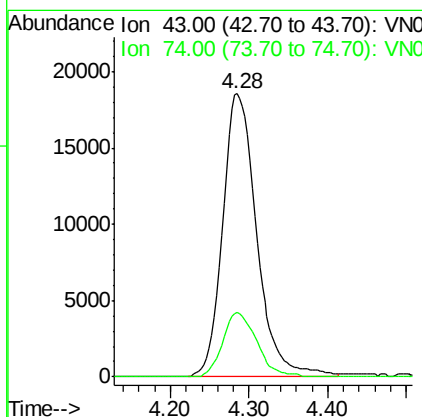
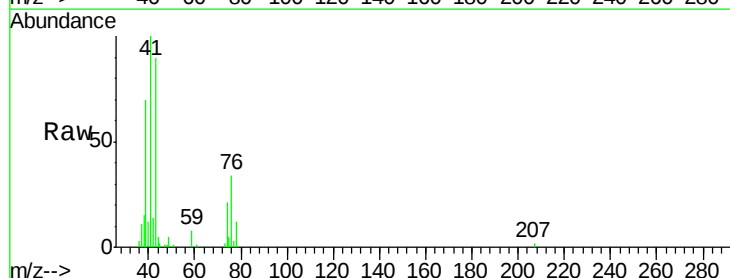
Manual Integrations  
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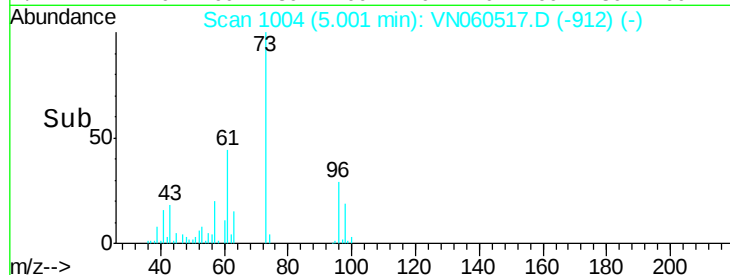
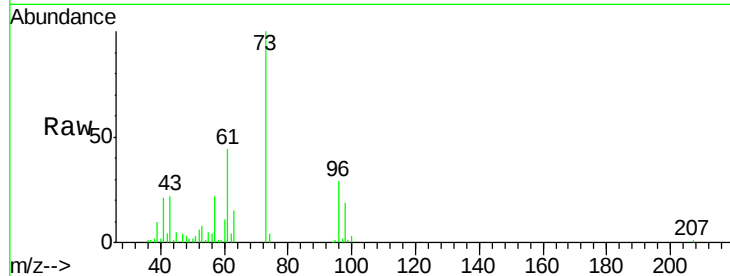
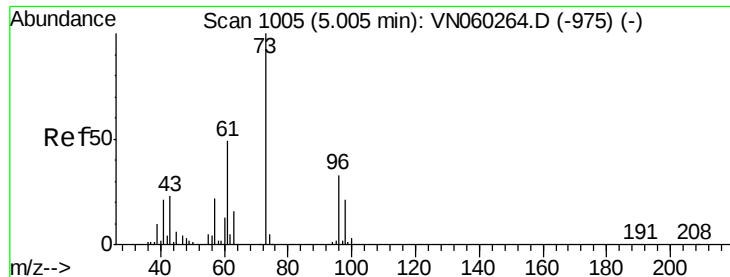
MMDadoda  
3/17/2020 11:48:16 AM



#18  
Methyl Acetate  
Concen: 20.284 ug/l  
RT: 4.28 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.3  | 18.8  | 28.2  |





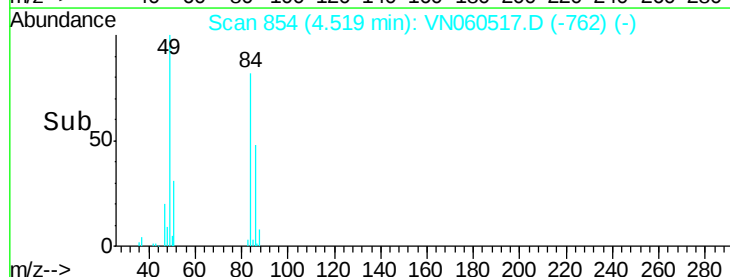
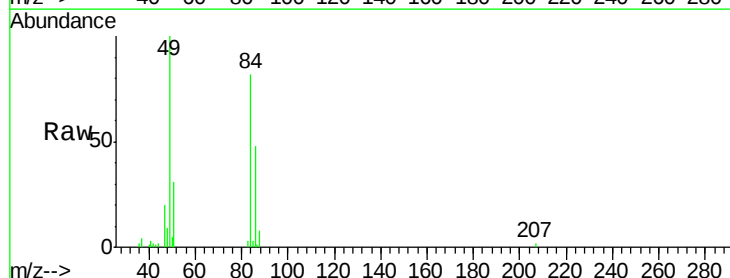
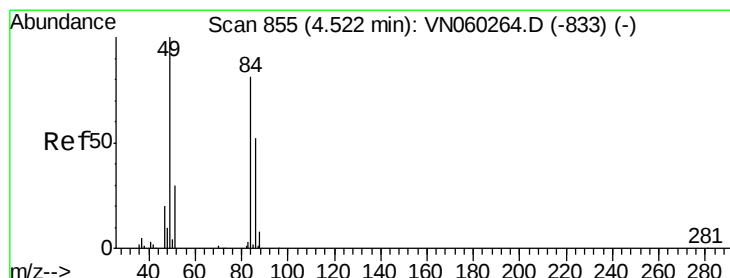
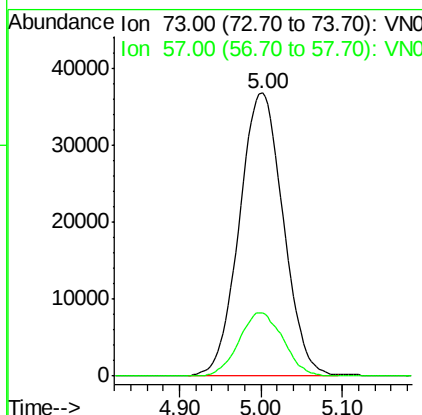
#19  
Methvl tert-butvl Ether  
Concen: 19.767 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Tot Ion: 73 Resp: 137233  
Ion Ratio Lower Upper  
73 100  
57 22.5 17.3 25.9

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

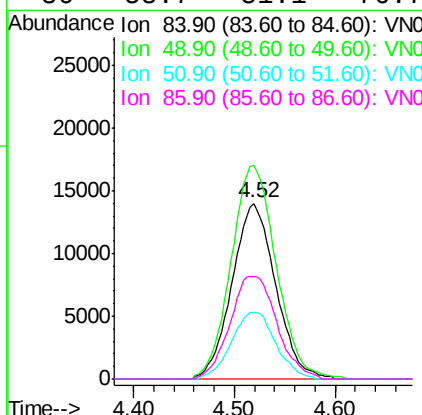
Manual Integrations  
APPROVED

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3/17/2020 11:48:16 AM



#20  
Methylene Chloride  
Concen: 18.549 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Tgt Ion: 84 Resp: 42007  
Ion Ratio Lower Upper  
84 100  
49 121.8 99.3 148.9  
51 38.3 30.1 45.1  
86 58.7 51.1 76.7





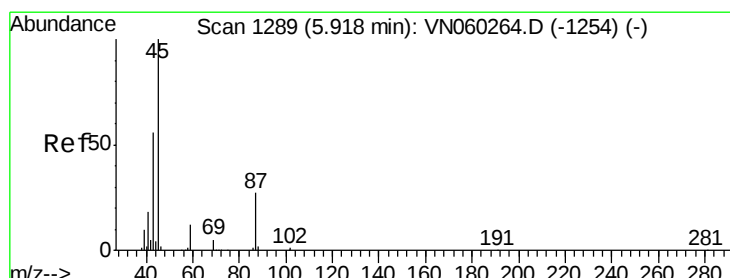
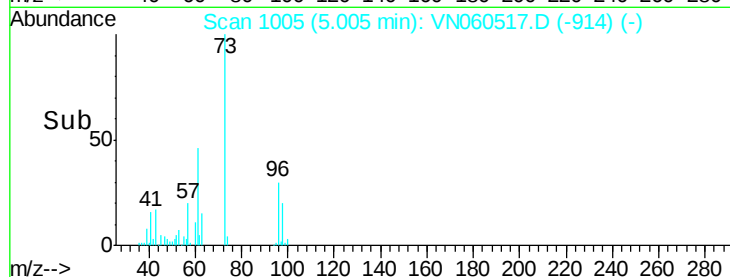
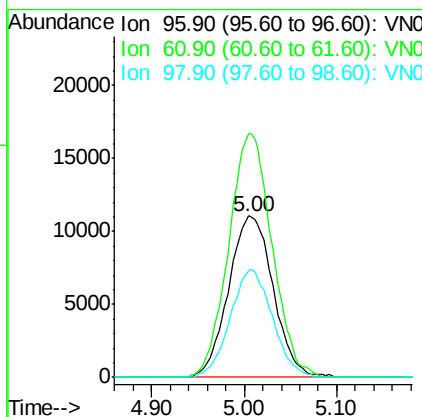
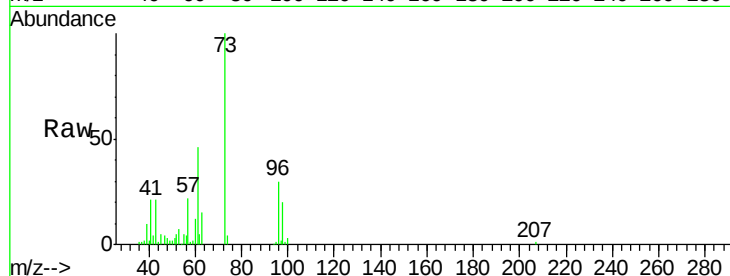
#21  
trans-1,2-Dichloroethene  
Concen: 17.668 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.8 | 113.8 | 170.8 |
| 98      | 66.2  | 48.8  | 73.2  |

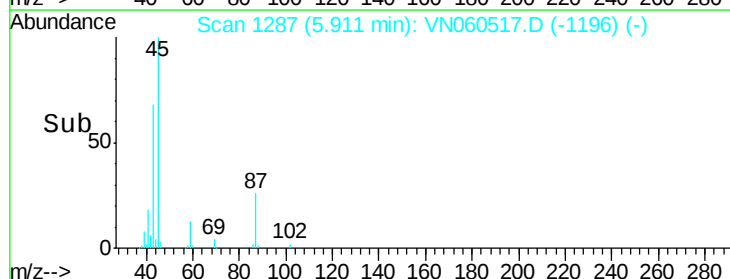
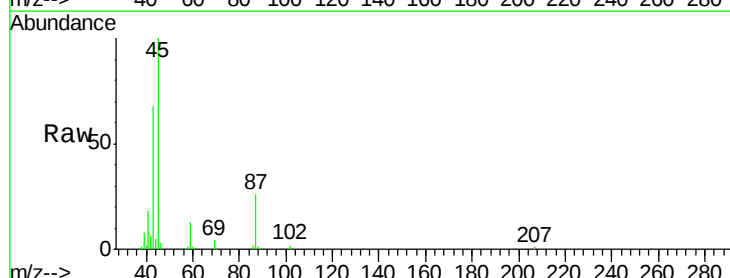
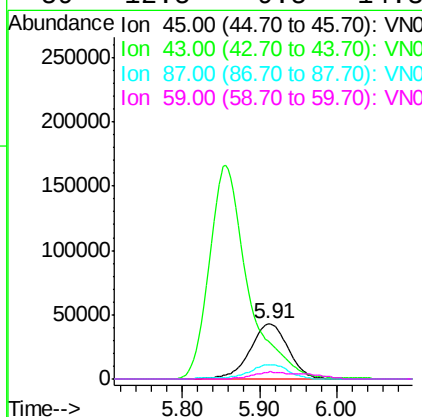
Manual Integrations  
APPROVED

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3/17/2020 11:48:16 AM



#22  
Diisopropyl ether  
Concen: 20.702 ug/l  
RT: 5.91 min Scan# 1287  
Delta R.T. -0.01 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 65.7  | 48.6  | 72.8  |
| 87      | 25.9  | 22.2  | 33.2  |
| 59      | 12.5  | 9.5   | 14.3  |





#23

Vinyl Acetate

Concen: 101.984 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBSD01

Tot Ion: 43 Resp: 578738

Ion Ratio Lower Upper

43 100

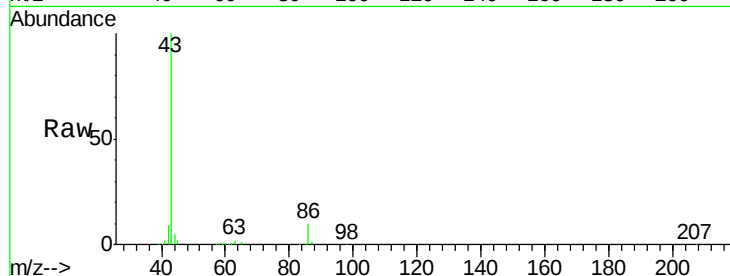
86 9.8 8.0 12.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060264.D (-1246) (-)

5.86

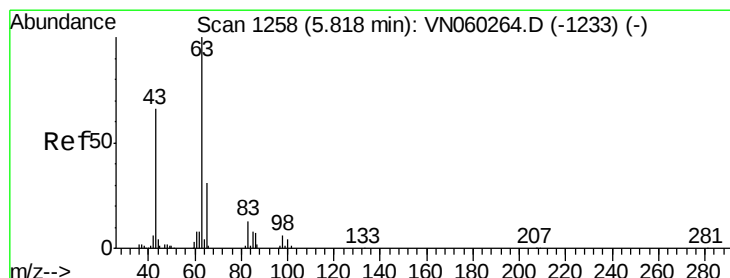
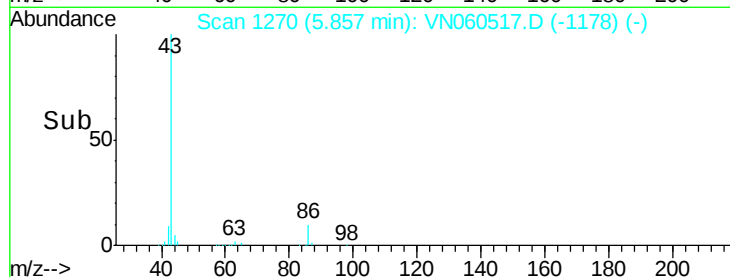
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.294 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

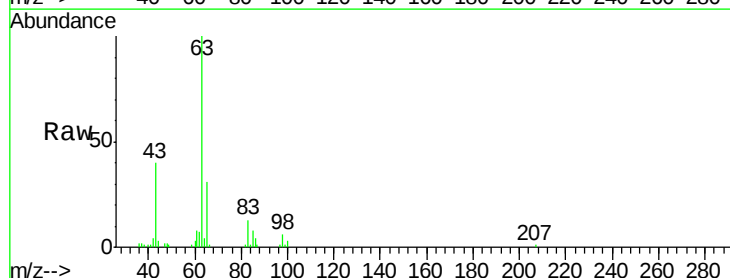
Tgt Ion: 63 Resp: 77994

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060264.D (-1233) (-)

5.81

30000

25000

20000

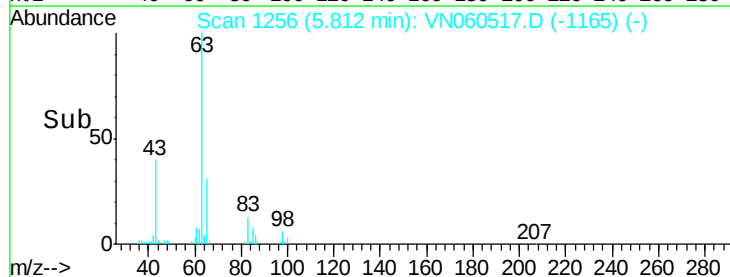
15000

10000

5000

0

Time-->





#25

2-Butanone

Concen: 105.345 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBSD01

Tot Ion: 43 Resp: 140318

Ion Ratio Lower Upper

43 100

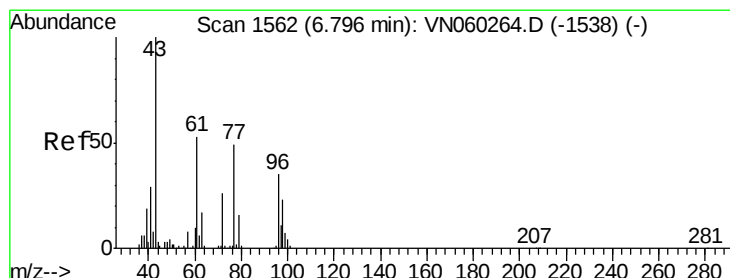
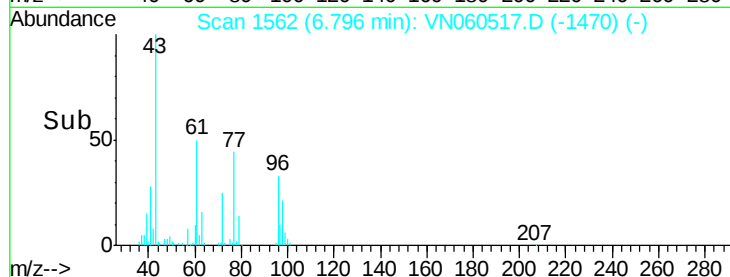
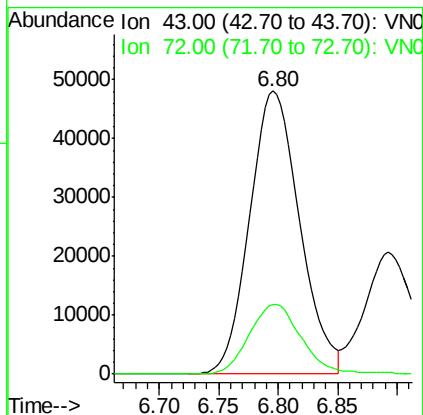
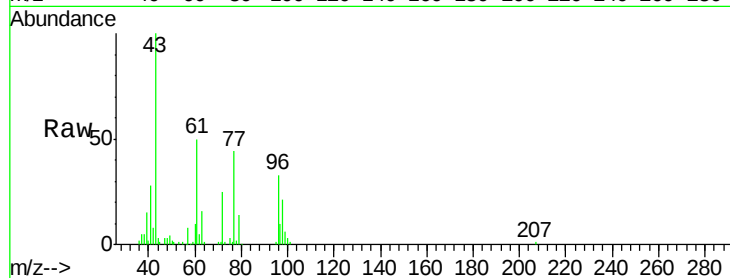
72 24.7 20.9 31.3

Manual Integrations

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3/17/2020 11:48:16 AM



#26

2,2-Dichloropropane

Concen: 18.610 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060517.D

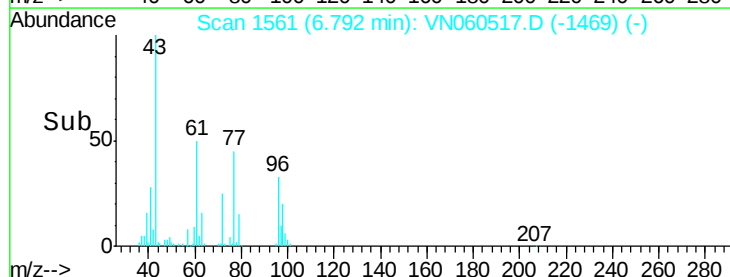
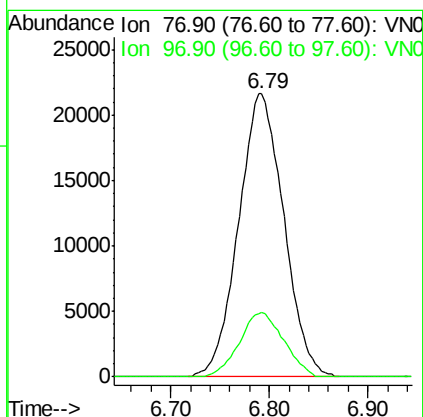
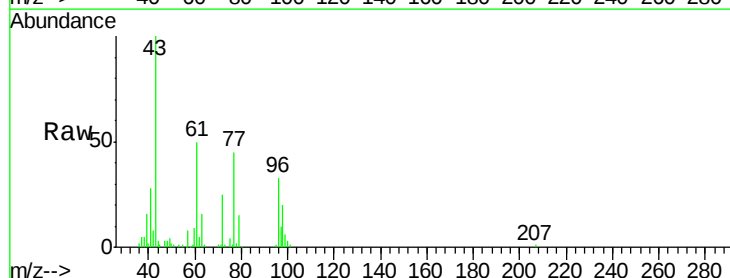
Acq: 16 Mar 2020 12:58

Tgt Ion: 77 Resp: 68490

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.919 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

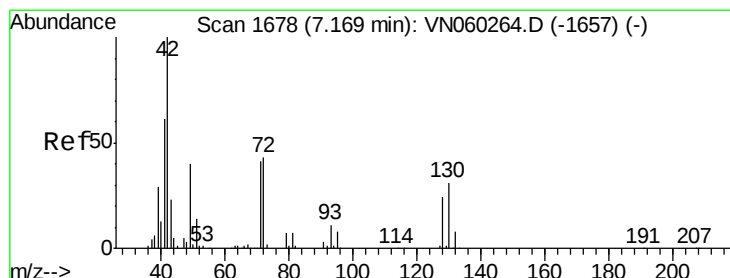
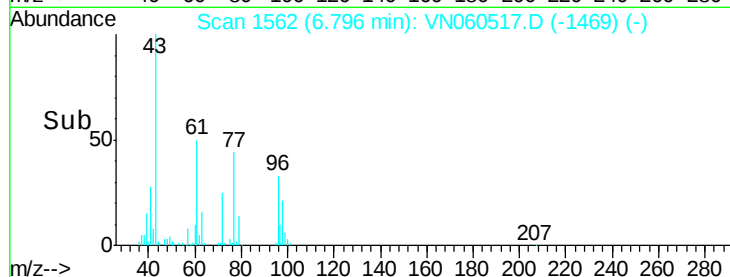
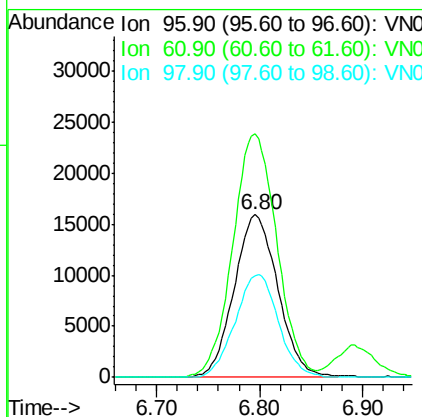
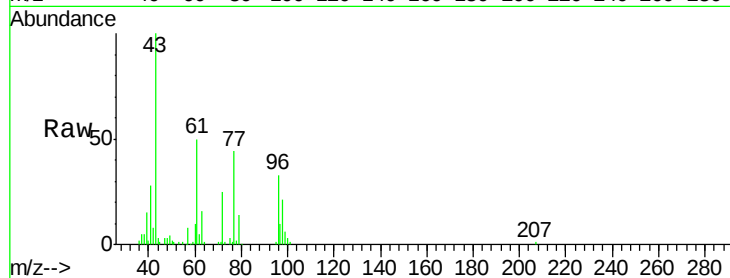
ClientSampleId :

VN0316WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 47055 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 150.5 | 0.0   | 300.8 |
| 98       | 62.4  | 0.0   | 128.2 |

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#28

Bromochloromethane

Concen: 19.271 ug/l

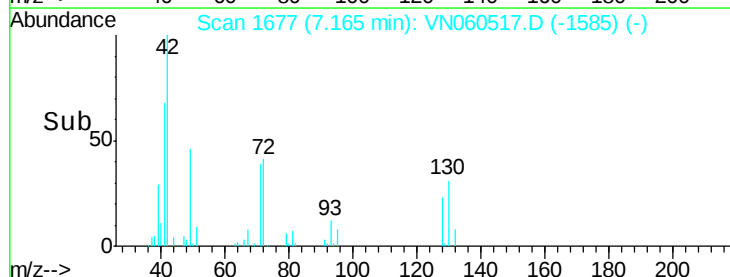
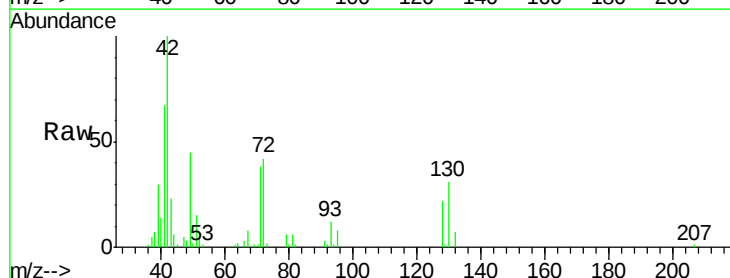
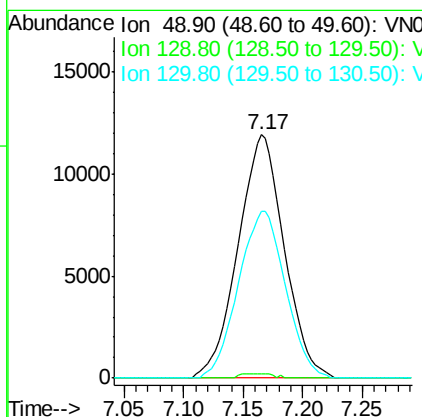
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 31985 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.7   | 0.0   | 3.8   |
| 130      | 69.8  | 59.8  | 89.8  |





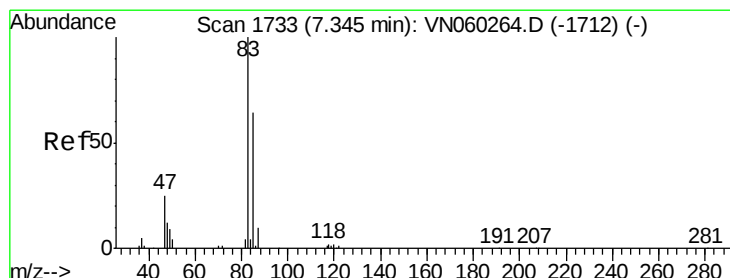
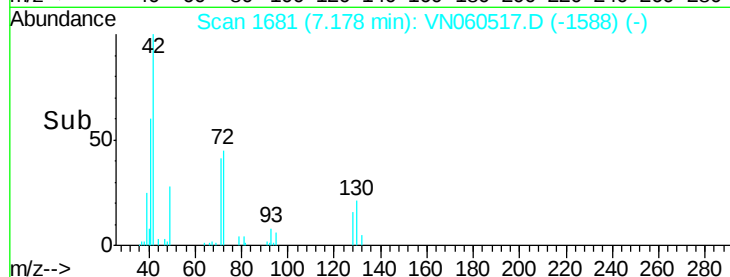
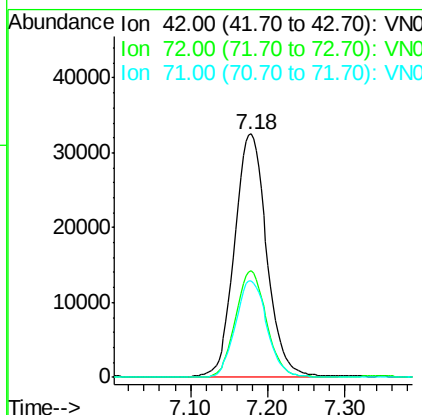
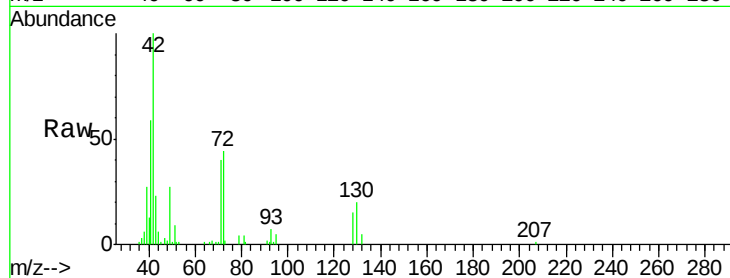
#29  
Tetrahydrofuran  
Concen: 101.781 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.8  | 34.6  | 52.0  |
| 71      | 38.7  | 32.9  | 49.3  |

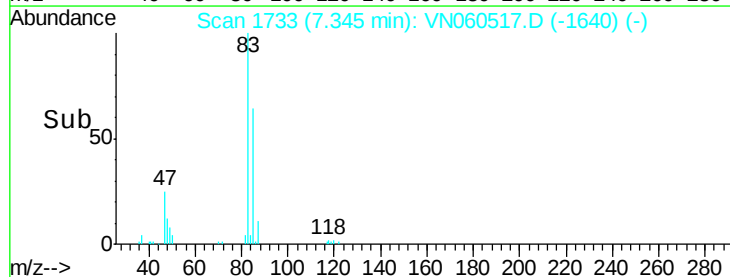
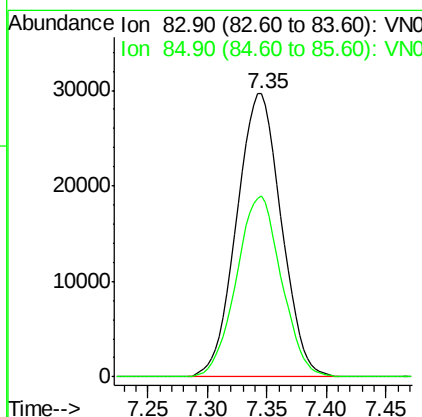
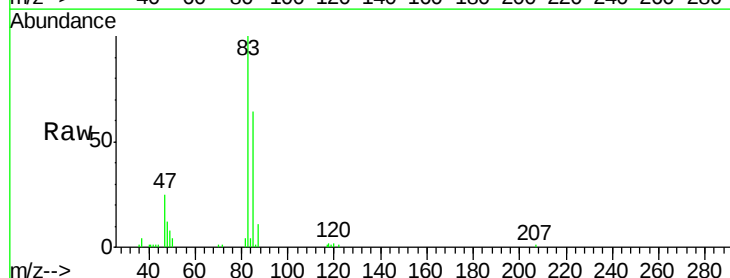
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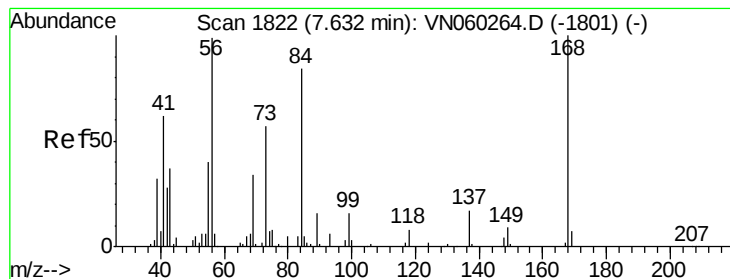
MMDadoda  
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#30  
Chloroform  
Concen: 19.190 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.9  | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 18.342 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

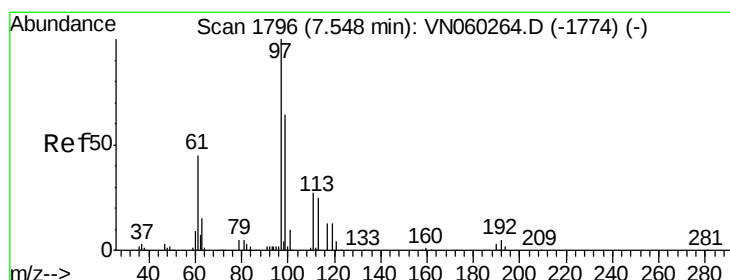
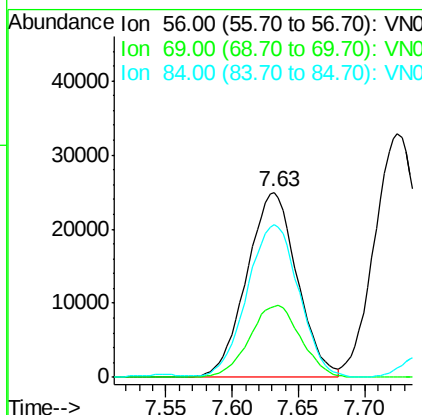
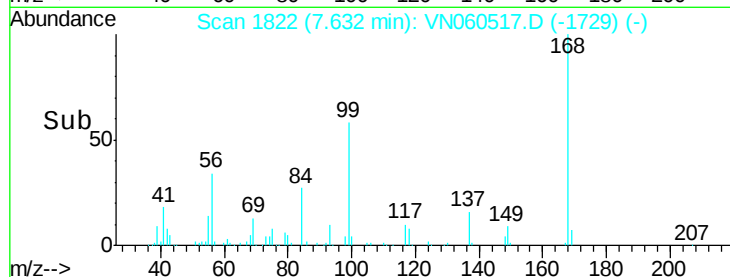
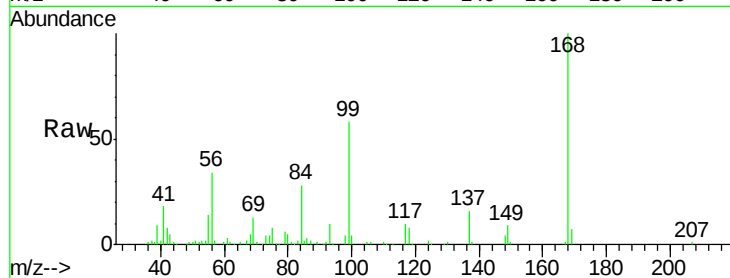
ClientSampled :

VN0316WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 66202 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 38.3  | 27.2  | 40.8  |
| 84       | 81.2  | 66.7  | 100.1 |

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#32

1,1,1-Trichloroethane

Concen: 18.156 ug/l

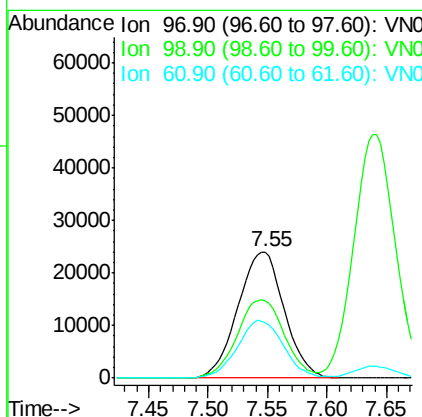
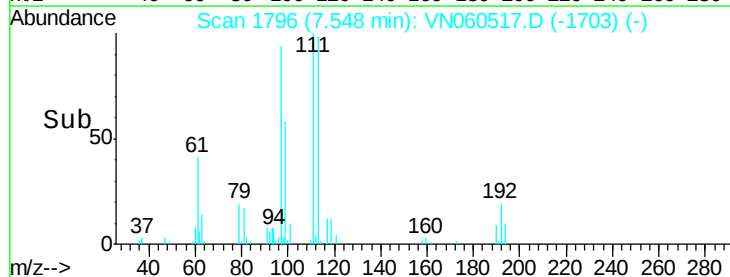
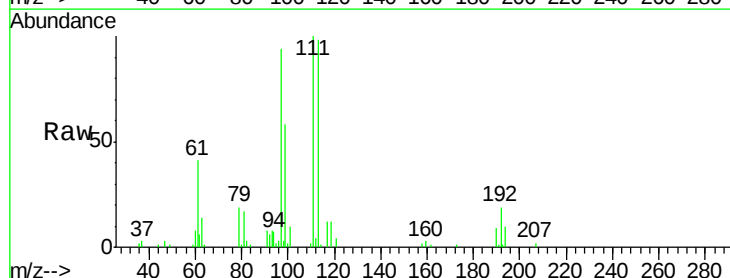
RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 64735 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.8  | 51.4  | 77.0  |
| 61       | 45.8  | 36.6  | 55.0  |





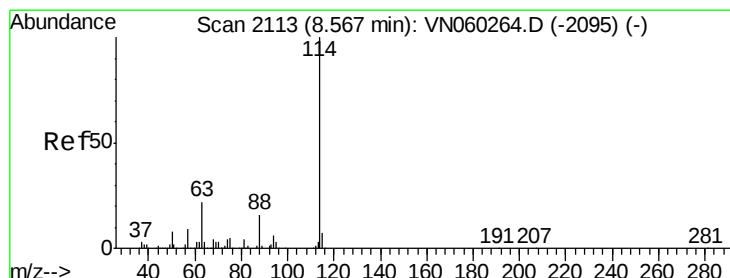
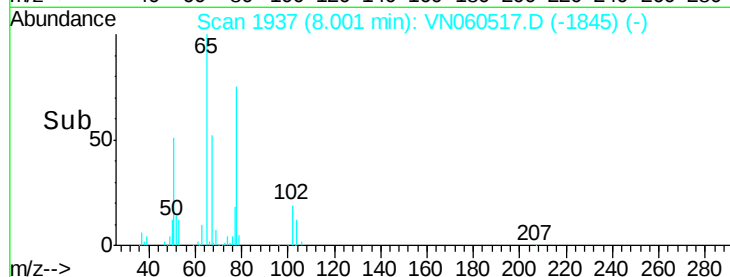
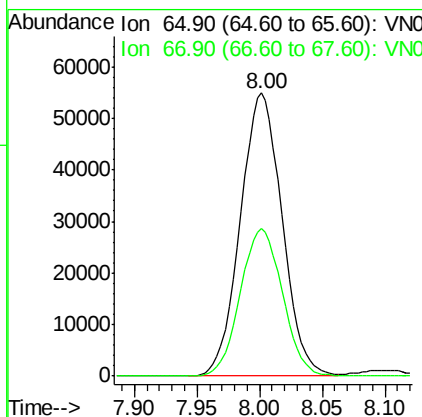
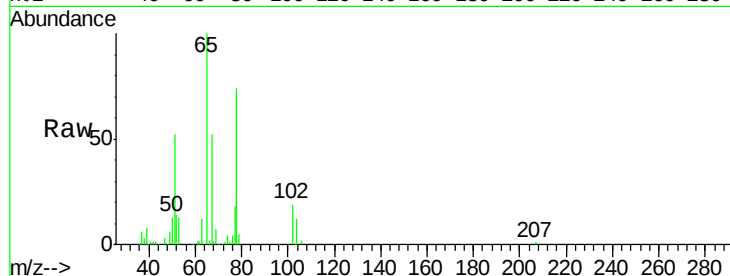
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.877 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 52.6  | 0.0  | 103.8 |       |

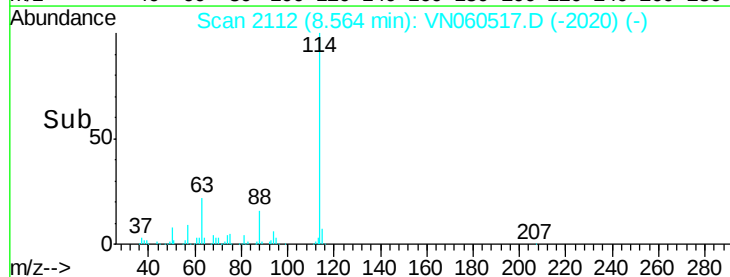
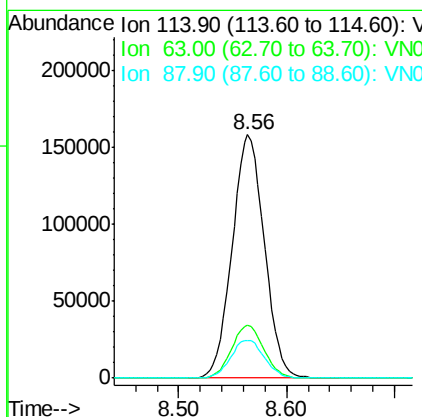
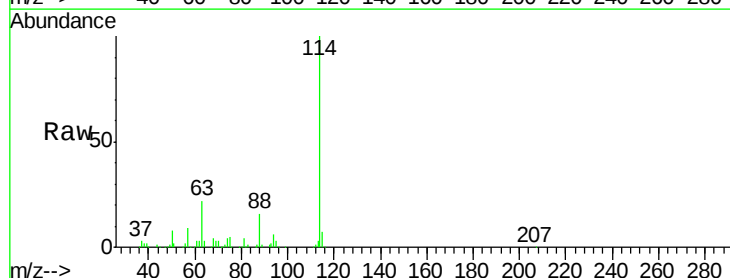
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 21.6  | 0.0  | 43.2  |       |
| 88      | 15.6  | 0.0  | 31.6  |       |





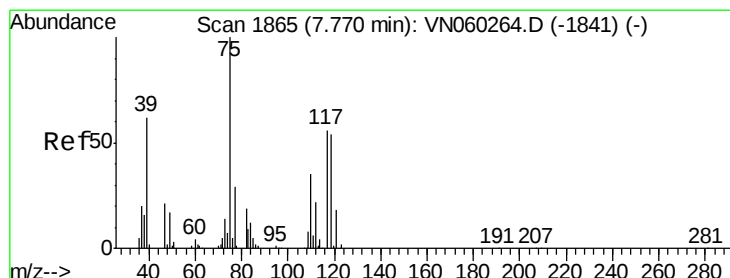
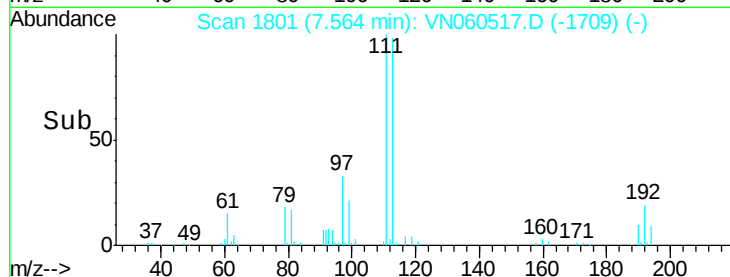
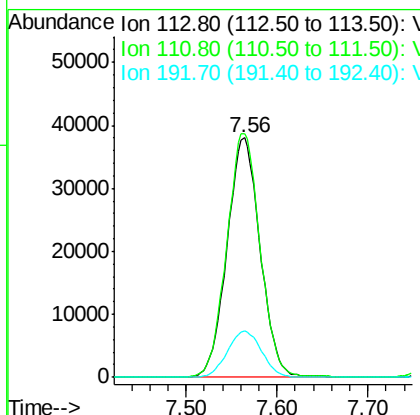
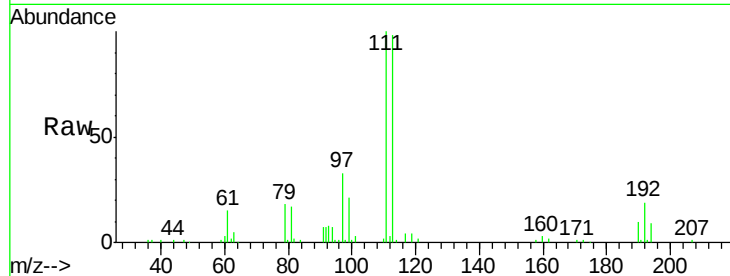
#35  
 Dibromofluoromethane  
 Concen: 63.027 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 82.4  | 123.6 |
| 192     | 19.8  | 16.2  | 24.2  |

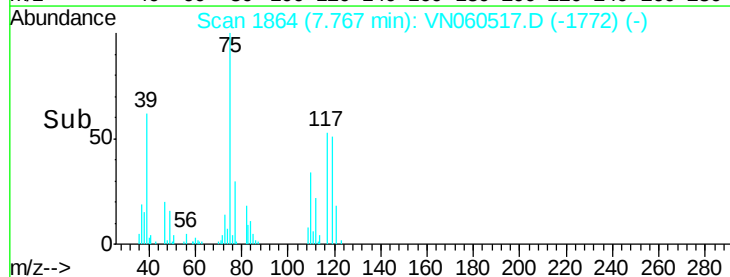
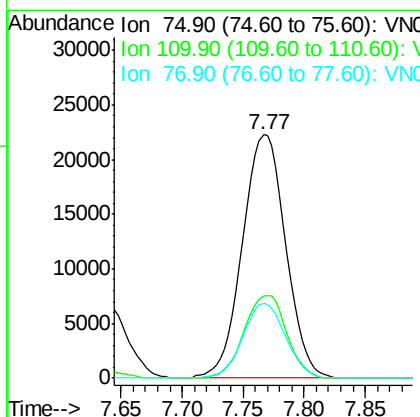
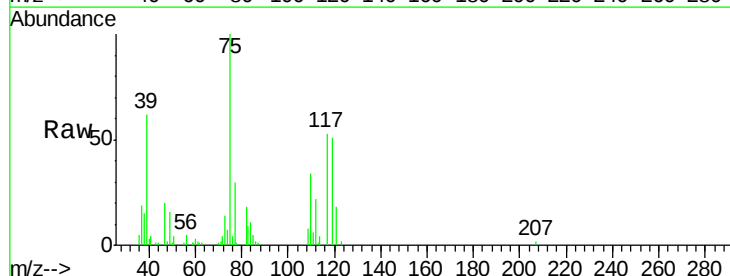
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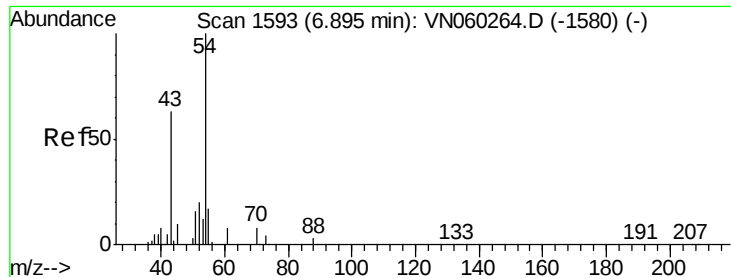
MMDadoda  
 3/17/2020 11:48:16 AM



#36  
 1,1-Dichloropropene  
 Concen: 17.478 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.4  | 17.3  | 52.0  |
| 77      | 30.2  | 24.2  | 36.2  |





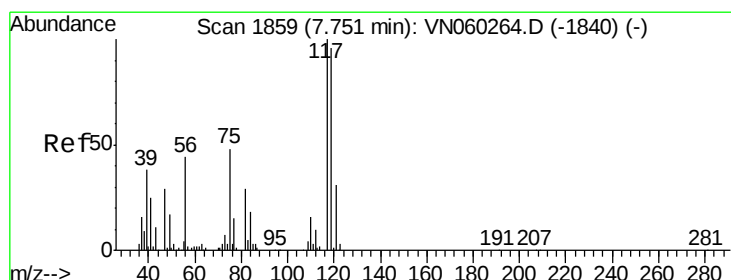
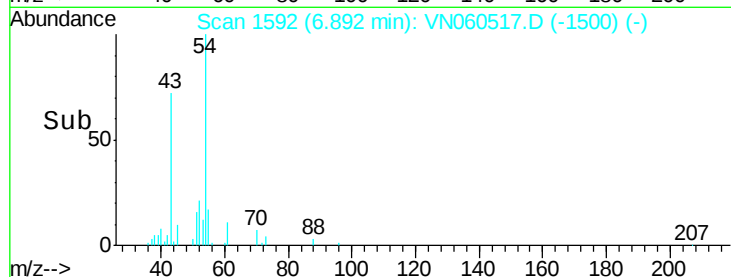
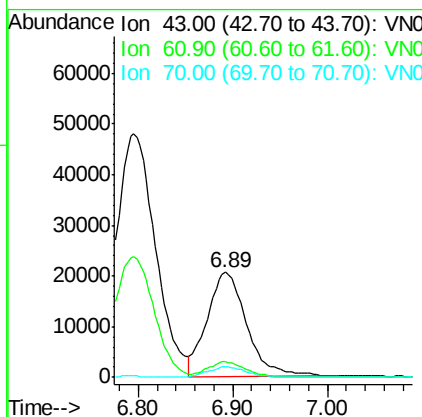
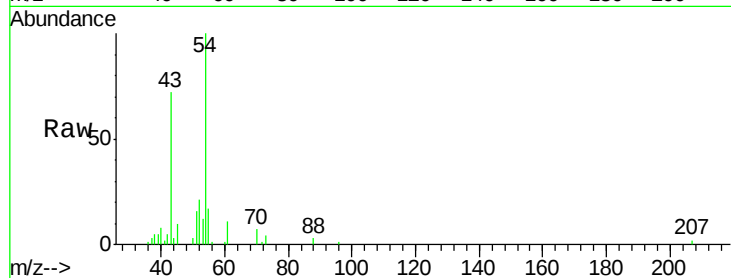
#37  
Ethyl Acetate  
Concen: 20.140 ug/l  
RT: 6.89 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.3  | 11.1  | 16.7  |
| 70      | 9.7   | 8.4   | 12.6  |

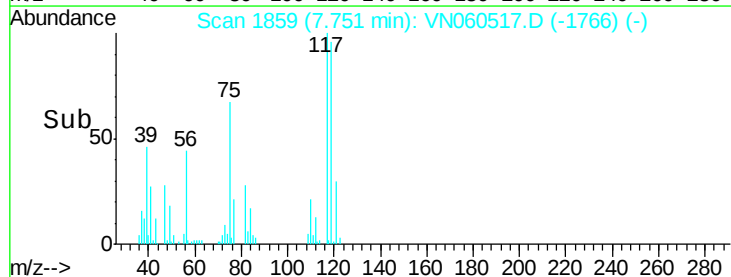
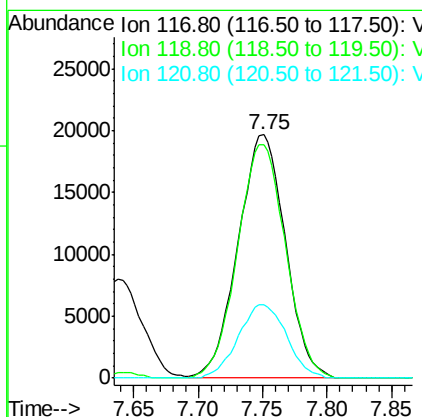
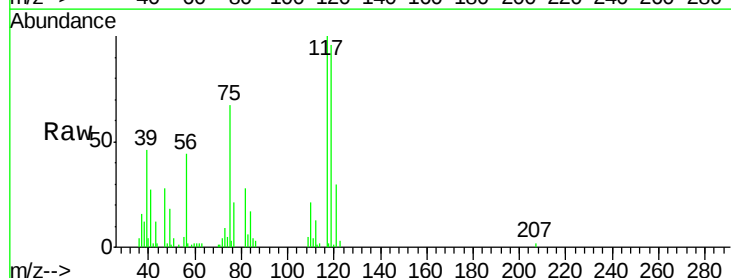
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#38  
Carbon Tetrachloride  
Concen: 16.537 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.7  | 76.7  | 115.1 |
| 121     | 30.1  | 24.5  | 36.7  |





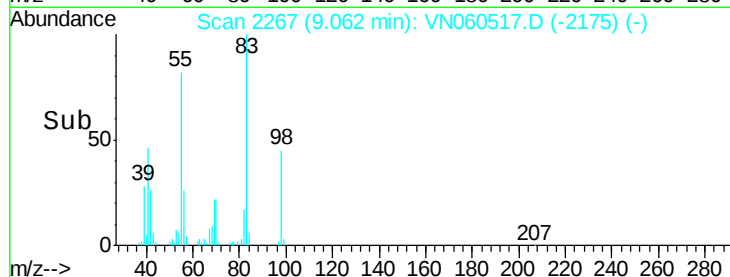
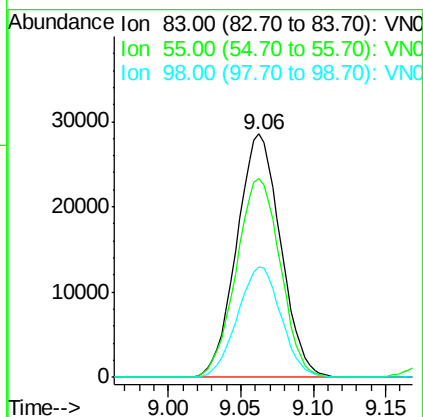
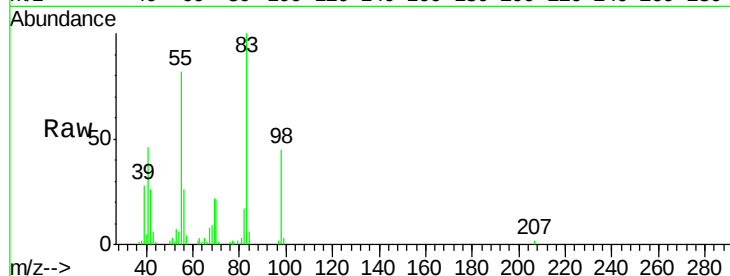
#39  
Methvlcvclohexane  
Concen: 16.276 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 81.5  | 61.0  | 91.4  |
| 98      | 45.3  | 36.1  | 54.1  |

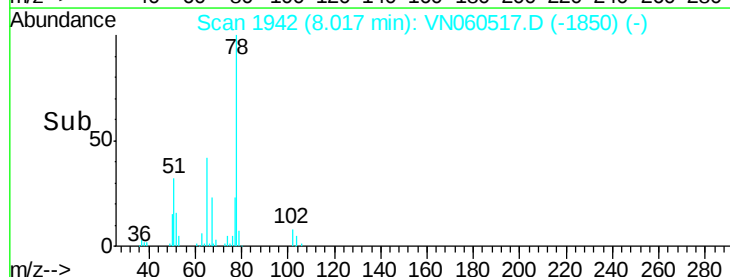
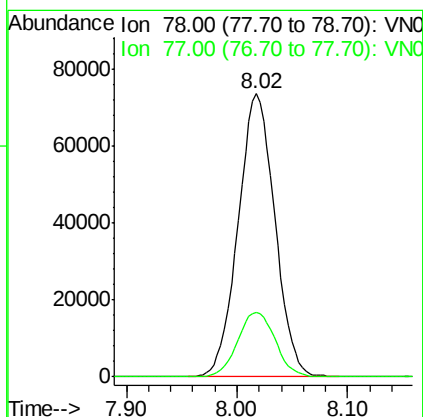
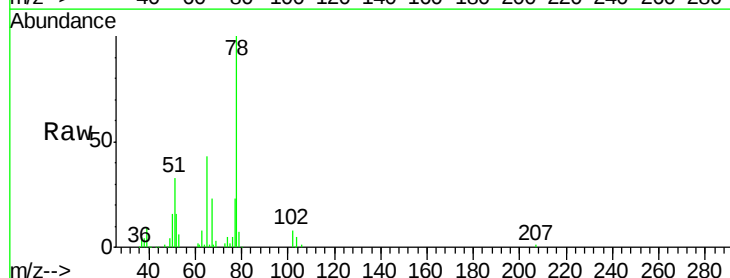
Manual Integrations  
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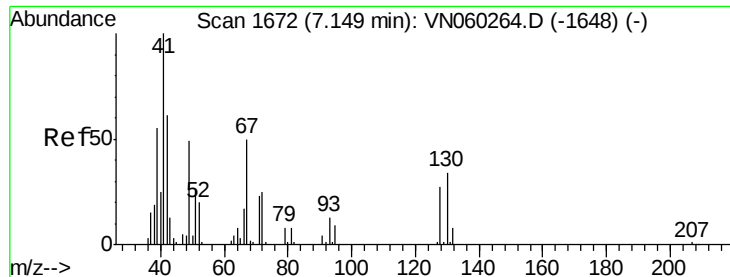
MMDadoda  
3/17/2020 11:48:16 AM



#40  
Benzene  
Concen: 18.639 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 22.8  | 18.8  | 28.2  |





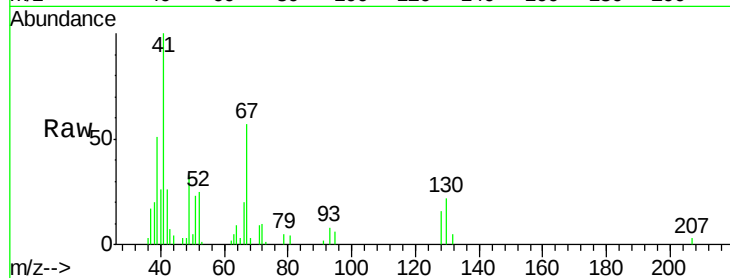
#41  
Methacrylonitrile  
Concen: 20.383 ug/l m  
RT: 7.14 min Scan# 1669  
Delta R.T. -0.01 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

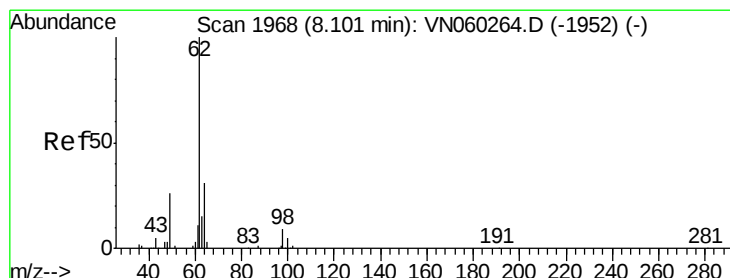
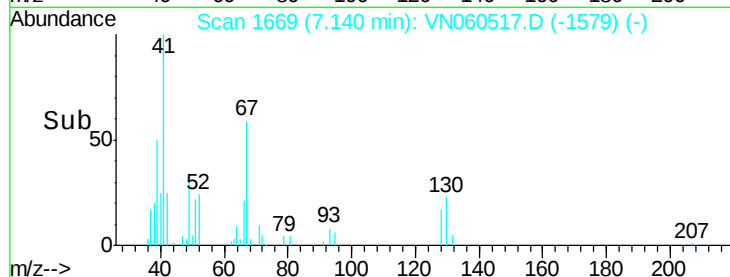
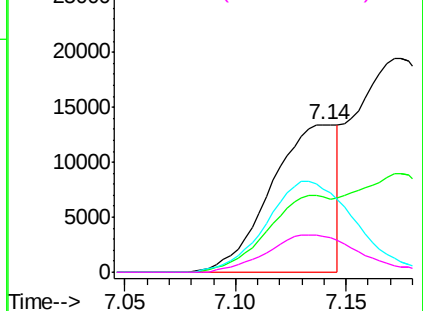
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 0.0   | 0.0   | 0.0   |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

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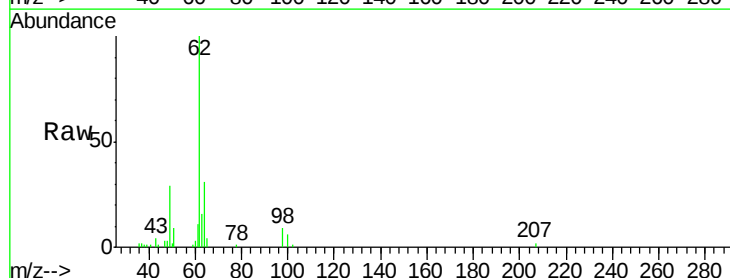


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 67.00 (66.70 to 67.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0

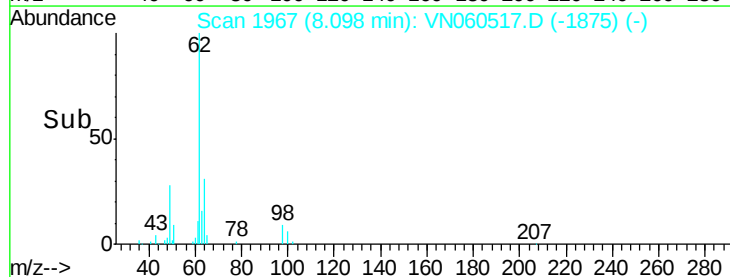
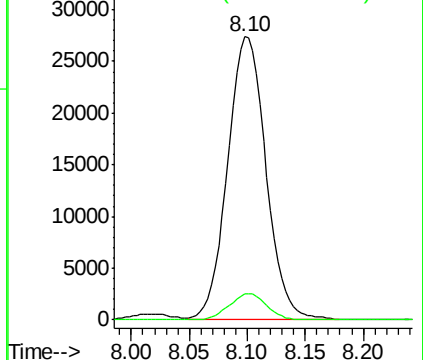


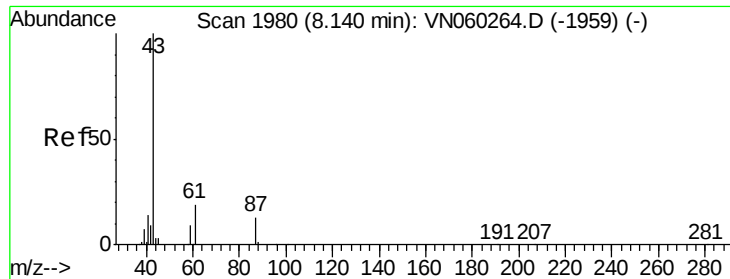
#42  
1,2-Dichloroethane  
Concen: 19.176 ug/l  
RT: 8.10 min Scan# 1967  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.9   | 0.0   | 17.0  |



Abundance Ion 61.90 (61.60 to 62.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0





#43

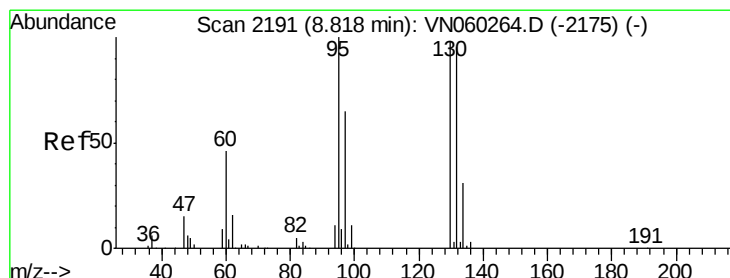
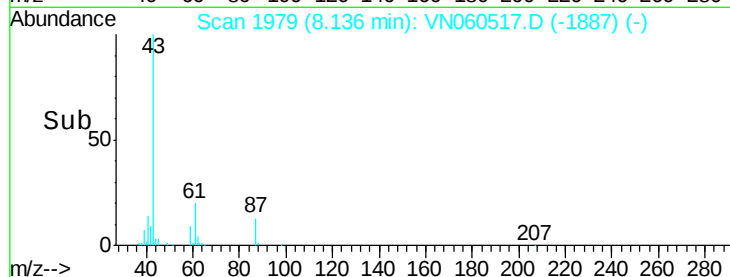
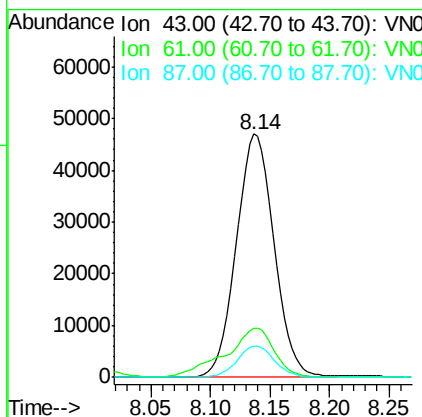
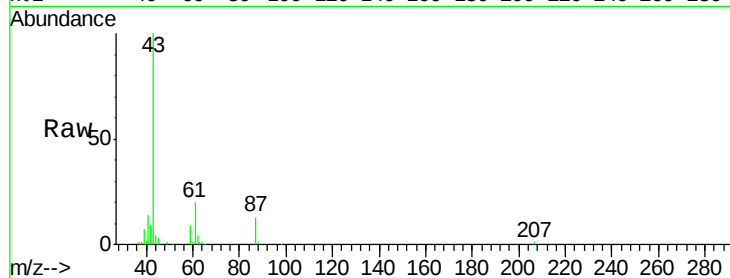
Isopropyl Acetate  
 Concen: 20.019 ug/l  
 RT: 8.14 min Scan# 1979  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.2  | 20.9  | 31.3  |
| 87      | 12.6  | 10.6  | 16.0  |

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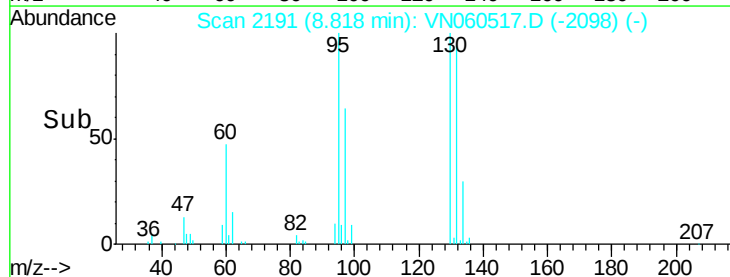
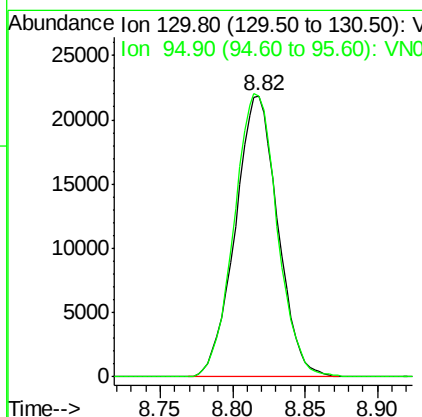
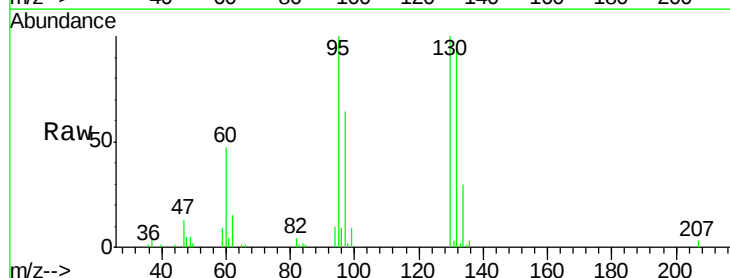
MMDadoda  
 3/17/2020 11:48:16 AM

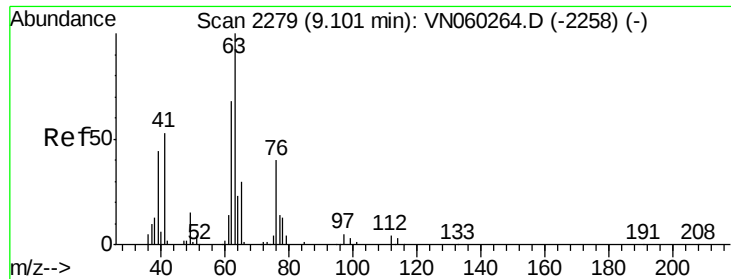


#44

Trichloroethene  
 Concen: 17.576 ug/l  
 RT: 8.82 min Scan# 2191  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 100.2 | 0.0   | 203.4 |





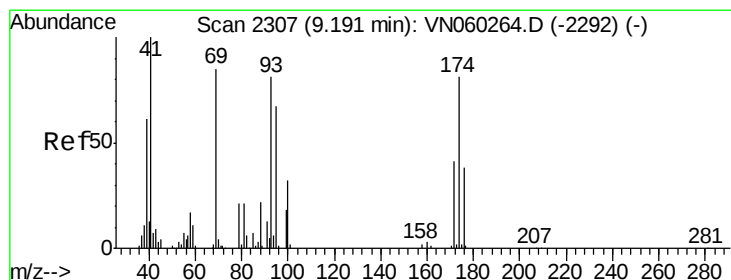
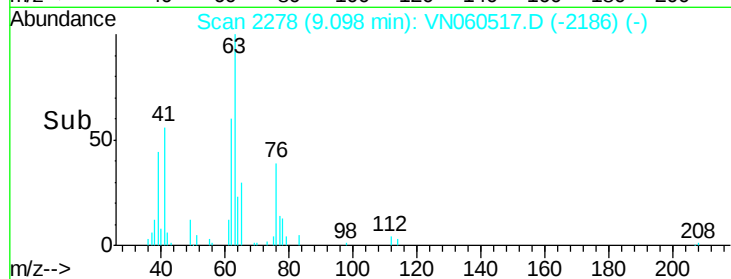
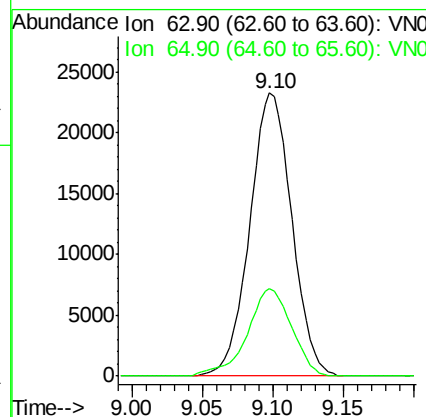
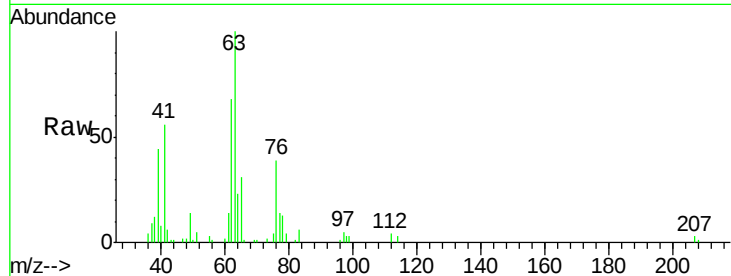
#45  
 1,2-Dichloropropane  
 Concen: 20.360 ug/l  
 RT: 9.10 min Scan# 2278  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

| Tot Ion   | 63    | Resp  | 48439 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 65        | 30.8  | 24.4  | 36.6  |

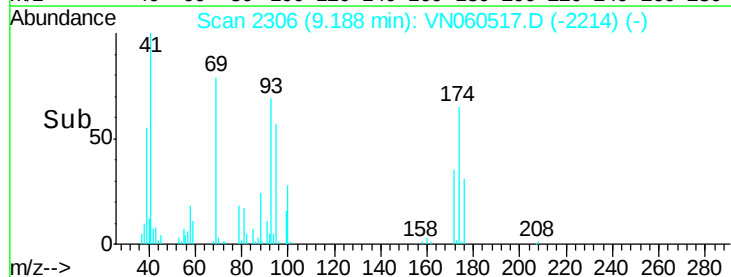
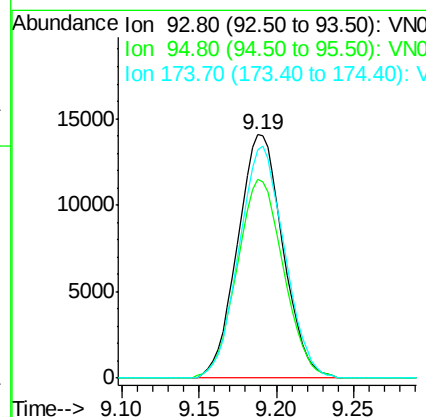
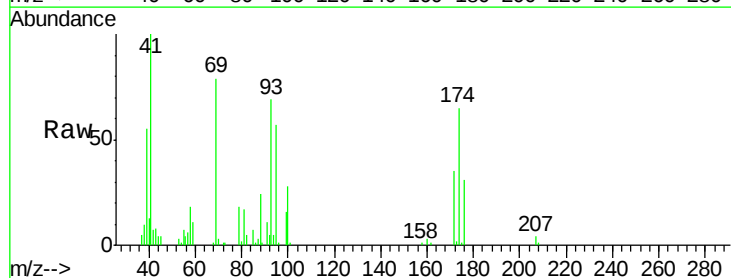
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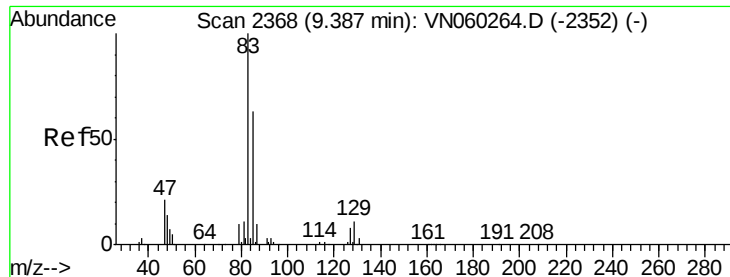
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#46  
 Dibromomethane  
 Concen: 18.556 ug/l  
 RT: 9.19 min Scan# 2306  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion   | 93    | Resp  | 28645 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 83.8  | 65.9  | 98.9  |
| 174       | 95.6  | 79.6  | 119.4 |





#47

Bromodichloromethane

Concen: 19.303 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

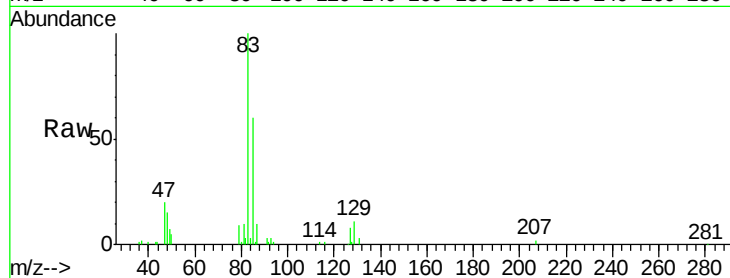
ClientSampleId :

VN0316WBSD01

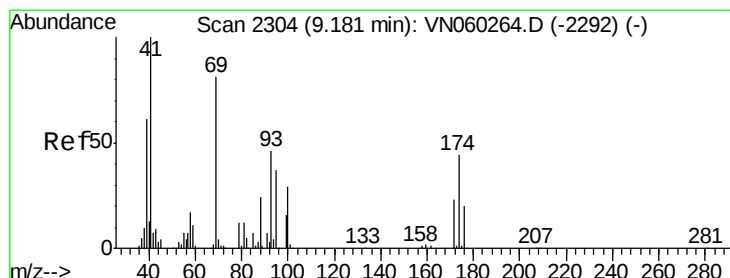
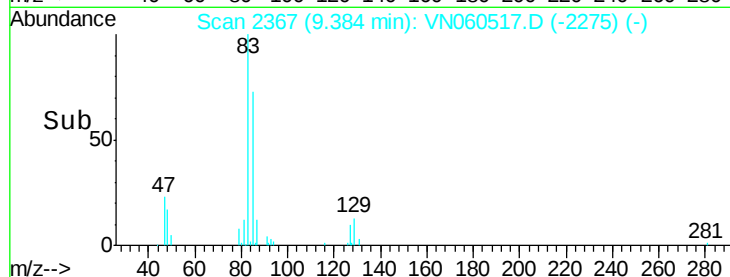
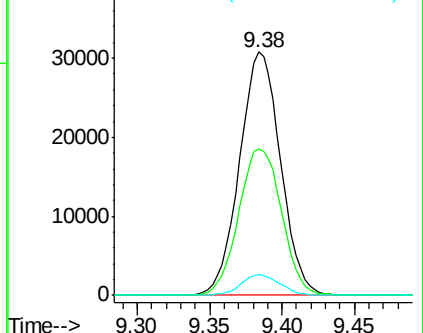
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 60606 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 60.2  | 50.7  | 76.1  |
| 127      | 8.4   | 6.8   | 10.2  |

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



#48

Methyl methacrylate

Concen: 18.692 ug/l

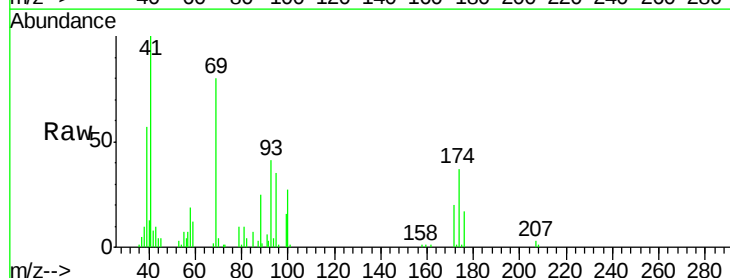
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

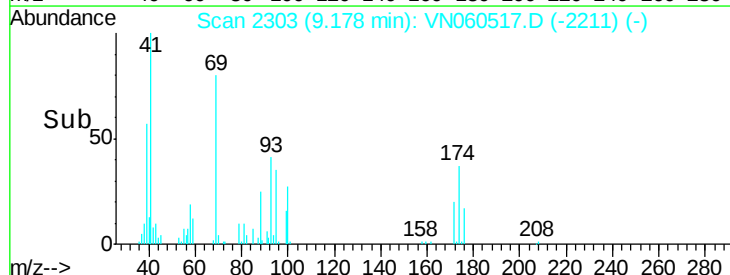
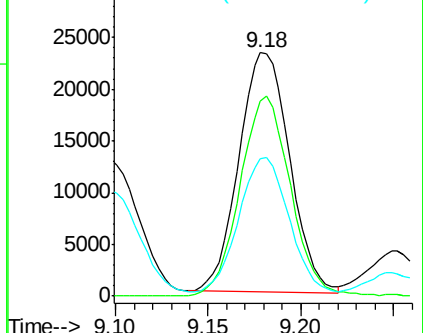
Lab File: VN060517.D

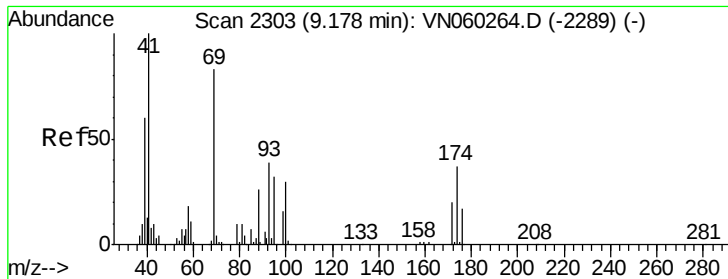
Acq: 16 Mar 2020 12:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 44175 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 82.5  | 66.7  | 100.1 |
| 39       | 59.0  | 50.1  | 75.1  |



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





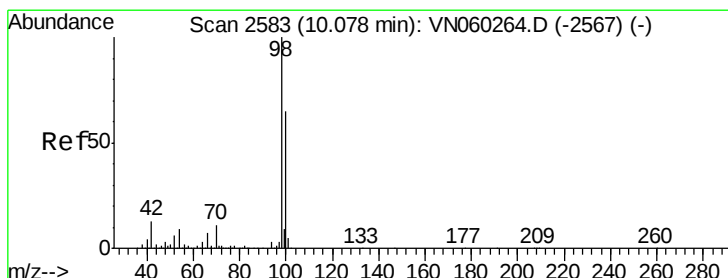
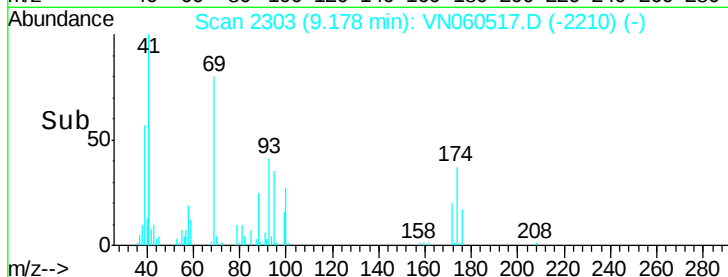
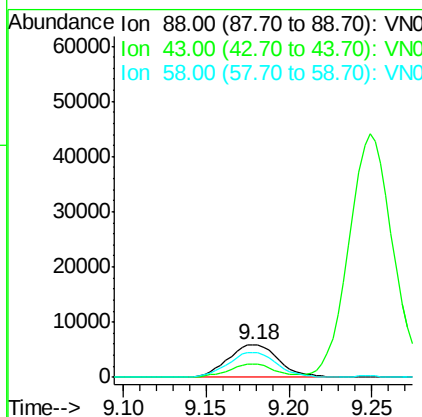
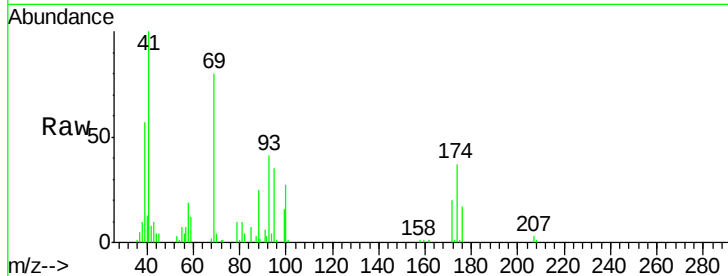
#49  
1,4-Dioxane  
Concen: 377.979 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.2  | 30.4  | 45.6  |
| 58      | 73.6  | 57.0  | 85.6  |

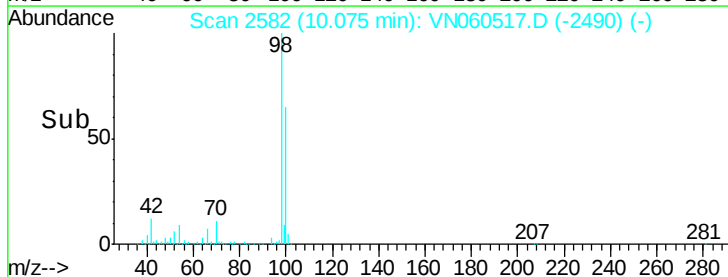
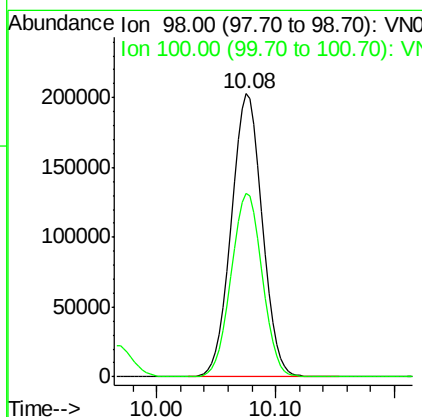
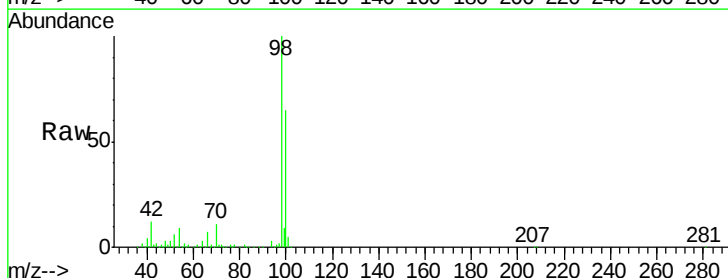
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#50  
Toluene-d8  
Concen: 47.435 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.2  | 52.2  | 78.2  |





#51

4-Methyl-2-Pentanone

Concen: 101.879 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampled :

VN0316WBSD01

Tot Ion: 43 Resp: 299363

Ion Ratio Lower Upper

43 100

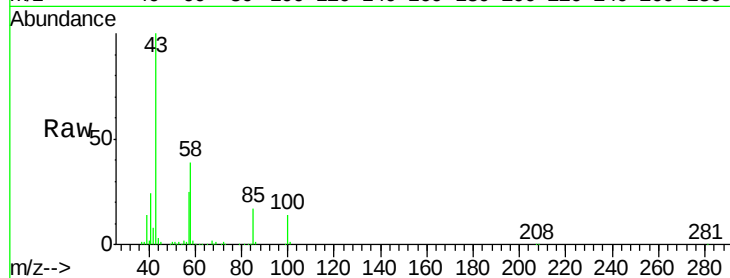
58 38.4 30.9 46.3

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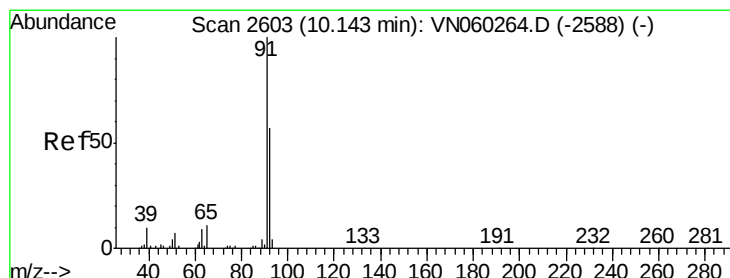
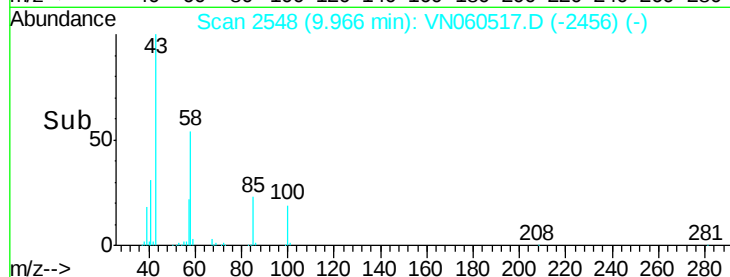
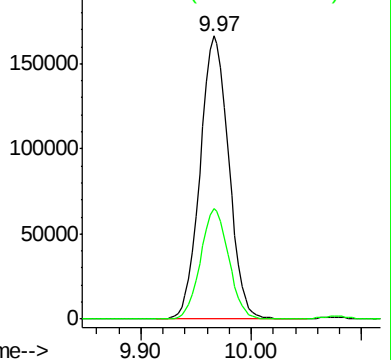
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.891 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060517.D

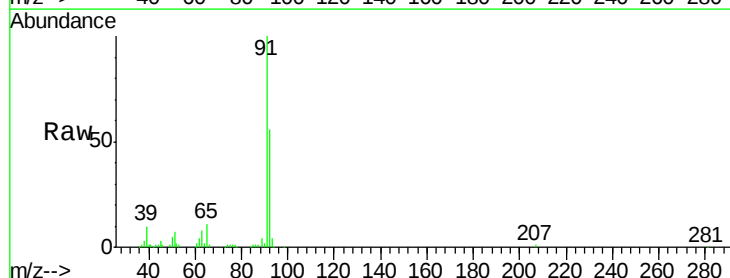
Acq: 16 Mar 2020 12:58

Tgt Ion: 92 Resp: 102264

Ion Ratio Lower Upper

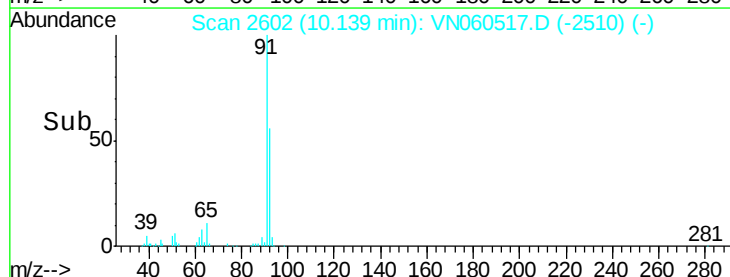
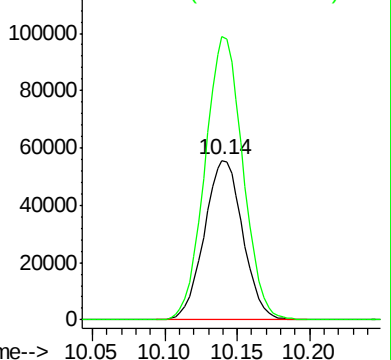
92 100

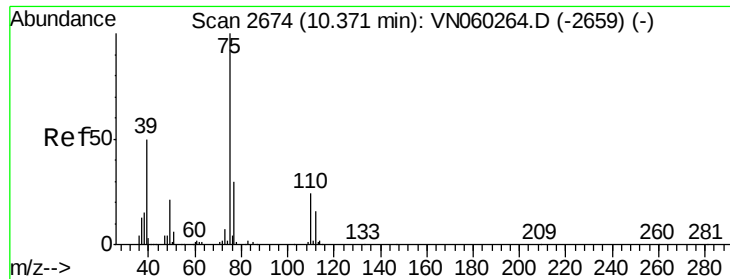
91 175.4 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





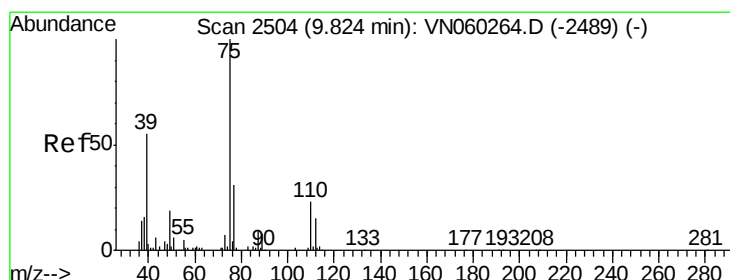
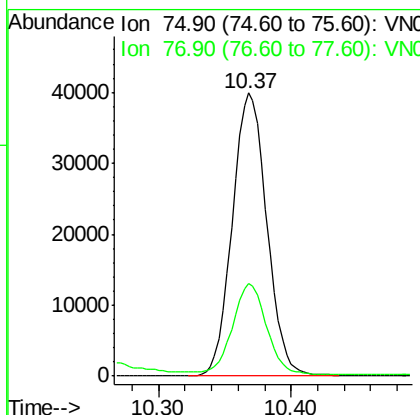
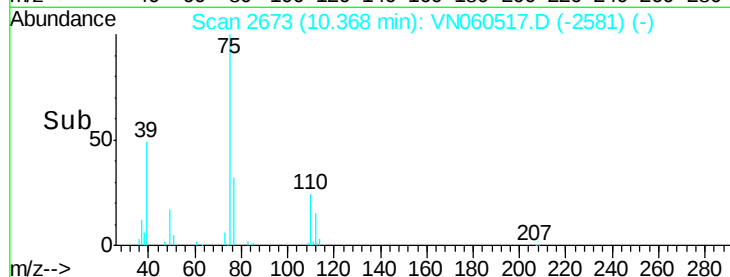
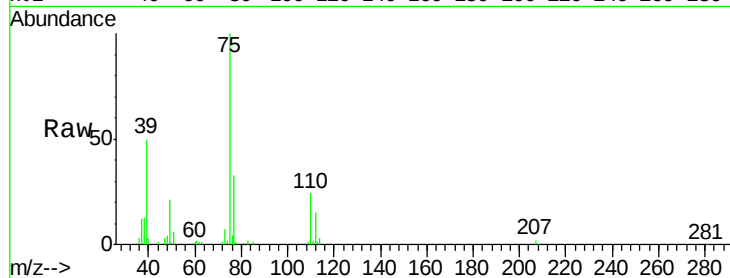
#53  
t-1,3-Dichloropropene  
Concen: 18.748 ug/l  
RT: 10.37 min Scan# 2673  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

Tot Ion: 75 Resp: 72128  
Ion Ratio Lower Upper  
75 100  
77 32.1 24.8 37.2

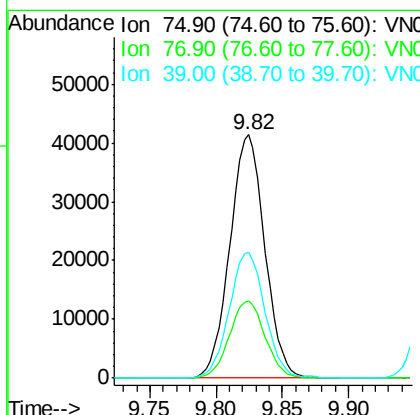
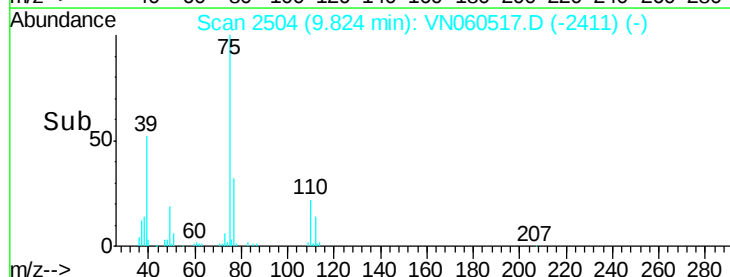
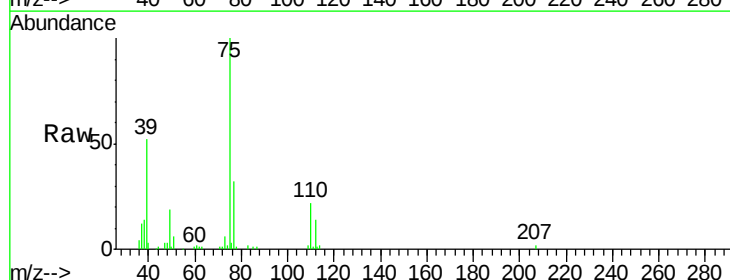
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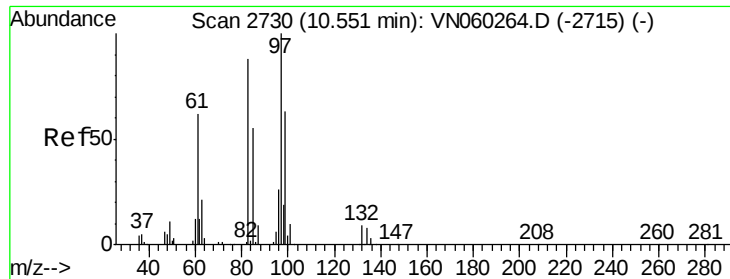
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#54  
cis-1,3-Dichloropropene  
Concen: 19.020 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Tgt Ion: 75 Resp: 75822  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.8 37.2  
39 51.8 43.8 65.8





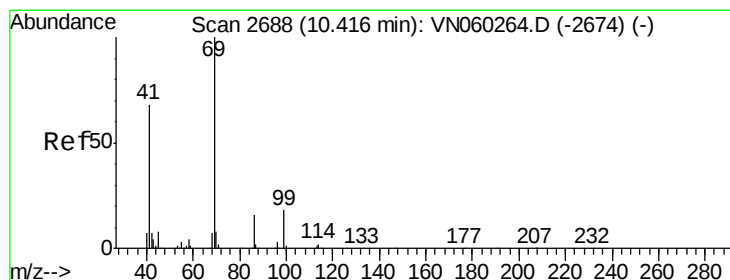
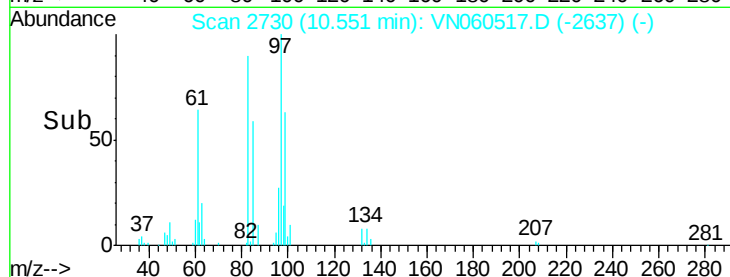
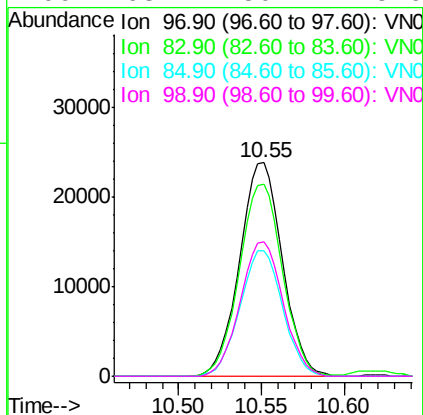
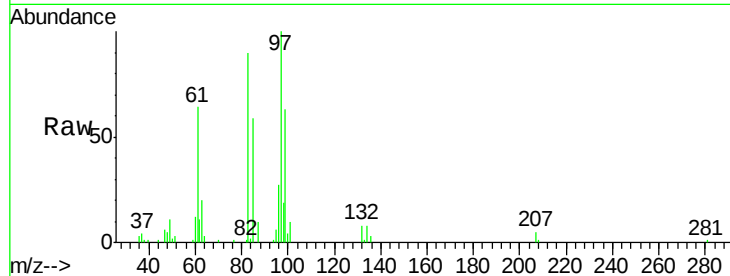
#55  
 1,1,2-Trichloroethane  
 Concen: 18.569 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 90.1  | 70.0  | 105.0 |
| 85      | 58.9  | 44.0  | 66.0  |
| 99      | 63.1  | 50.4  | 75.6  |

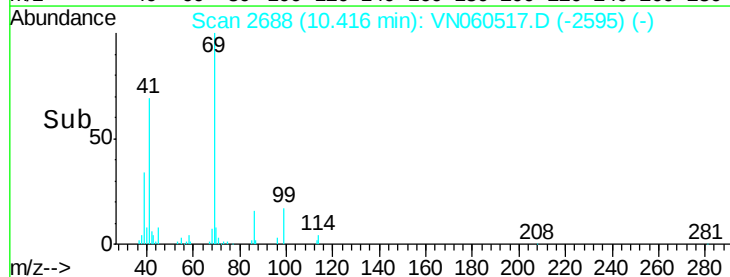
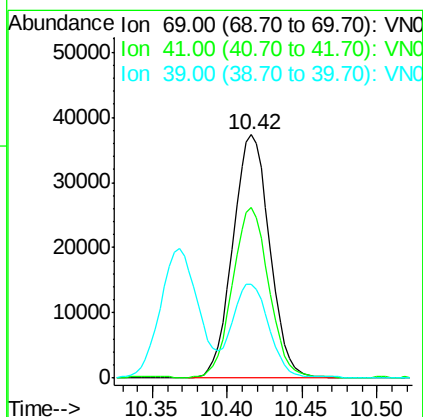
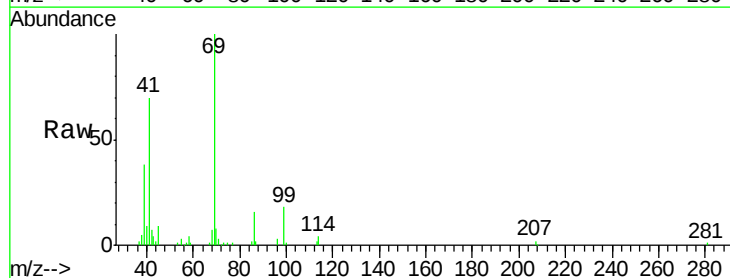
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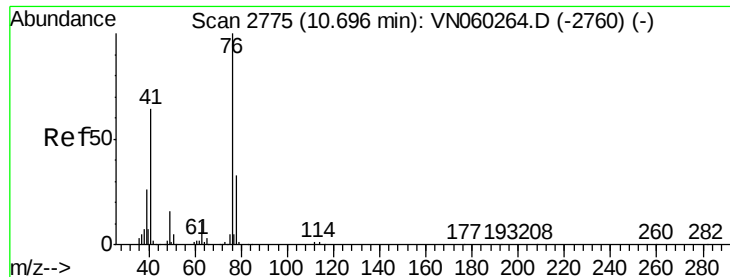
MMDadoda  
 3/17/2020 11:48:16 AM



#56  
 Ethyl methacrylate  
 Concen: 19.414 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 69.5  | 54.1  | 81.1  |
| 39      | 38.9  | 32.5  | 48.7  |





#57

1,3-Dichloropropane

Concen: 19.847 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBSD01

Tot Ion: 76 Resp: 74401

Ion Ratio Lower Upper

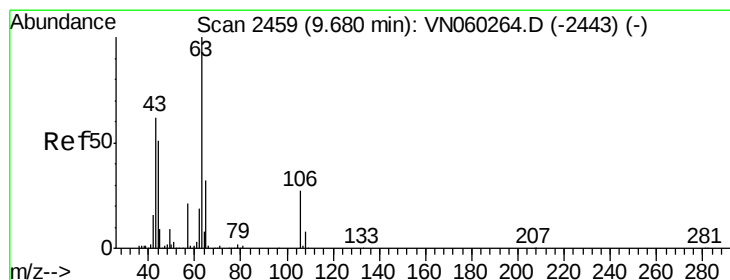
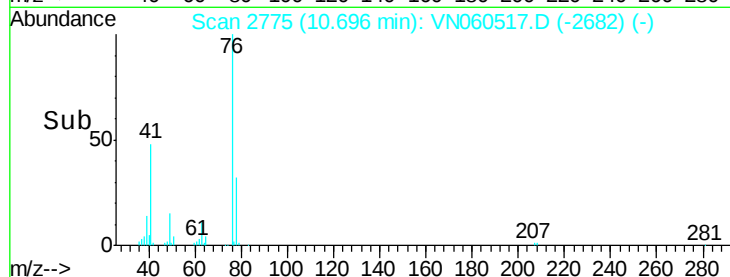
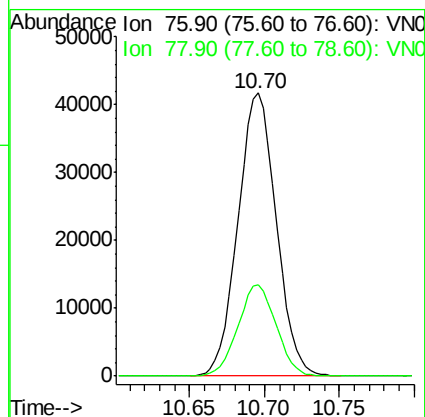
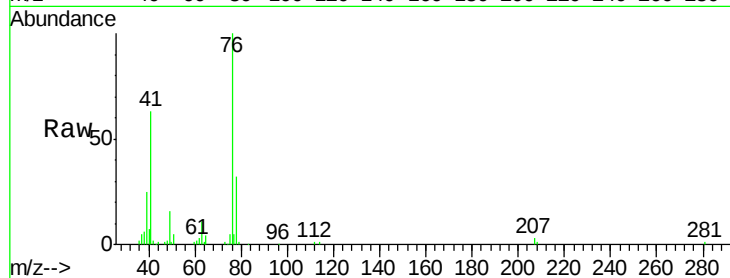
76 100

78 32.2 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 91.215 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060517.D

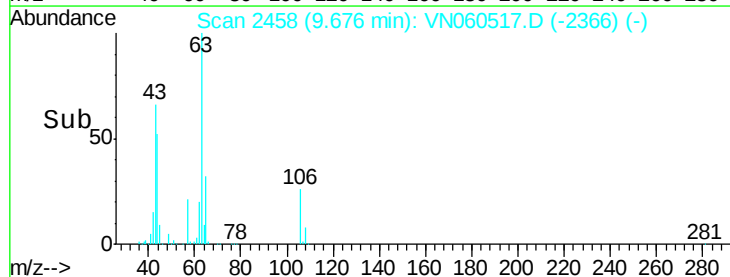
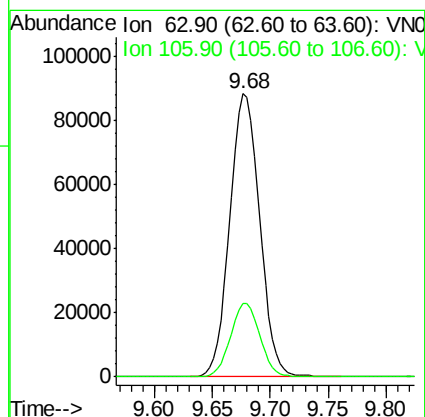
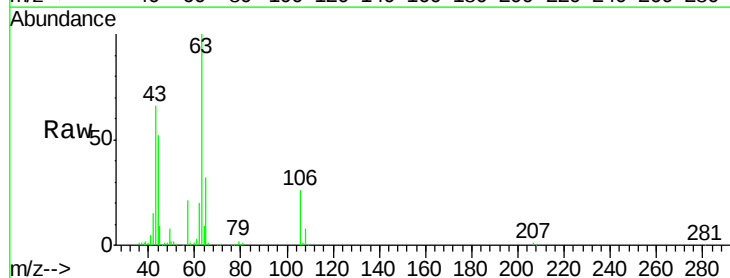
Acq: 16 Mar 2020 12:58

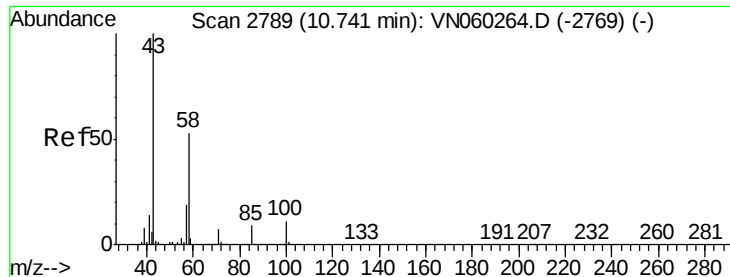
Tgt Ion: 63 Resp: 157545

Ion Ratio Lower Upper

63 100

106 25.4 21.1 31.7





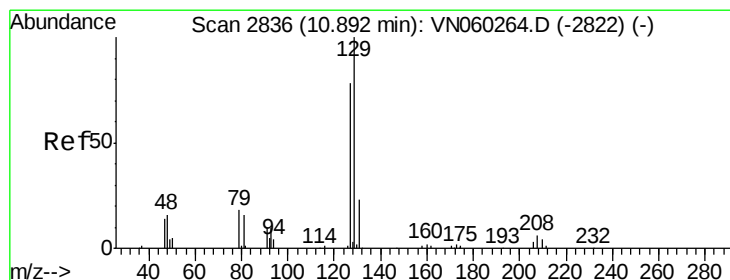
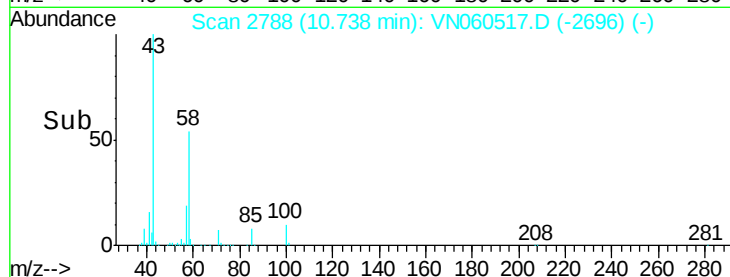
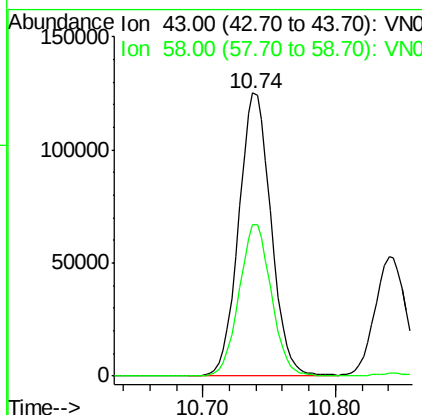
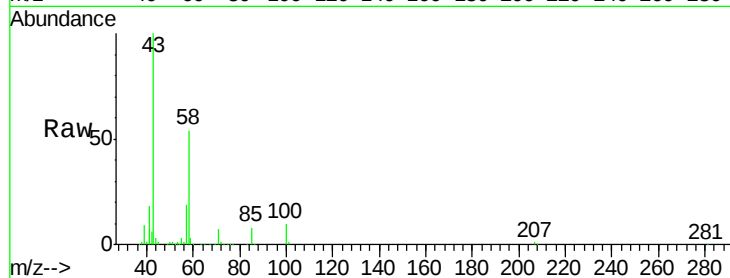
#59  
2-Hexanone  
Concen: 98.180 ug/l  
RT: 10.74 min Scan# 2788  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

Tot Ion: 43 Resp: 211819  
Ion Ratio Lower Upper  
43 100  
58 53.6 26.5 79.5

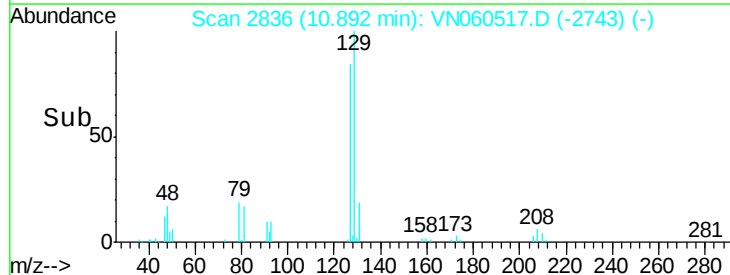
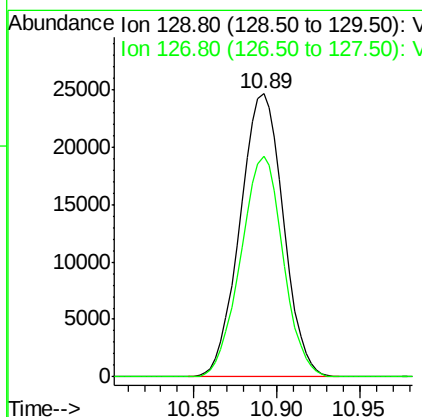
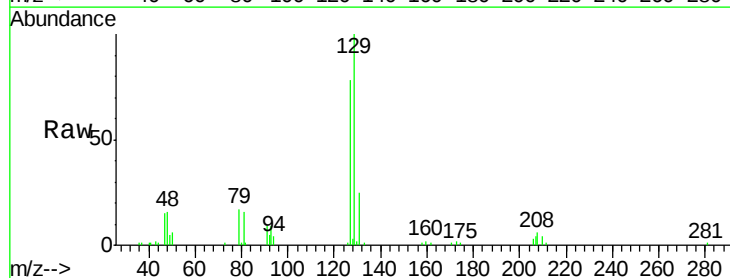
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#60  
Dibromochloromethane  
Concen: 19.204 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Tgt Ion: 129 Resp: 44893  
Ion Ratio Lower Upper  
129 100  
127 76.2 38.9 116.7





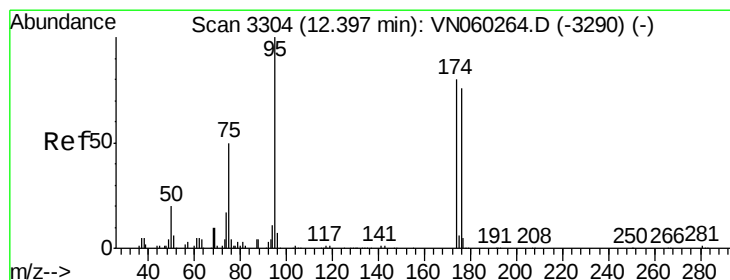
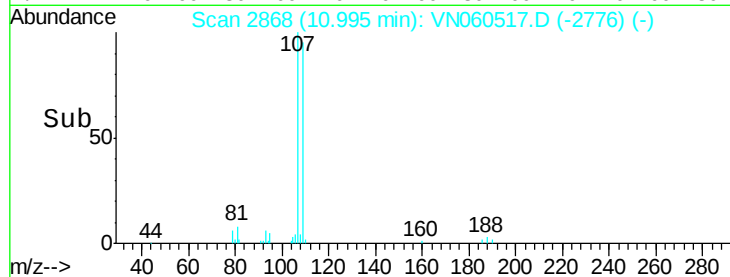
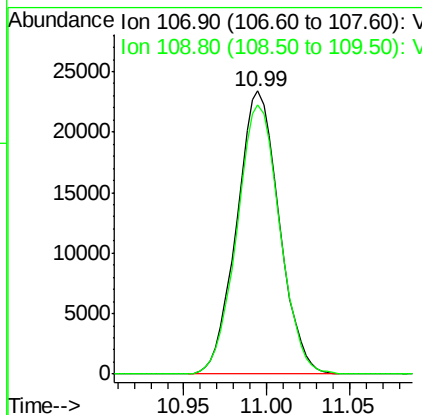
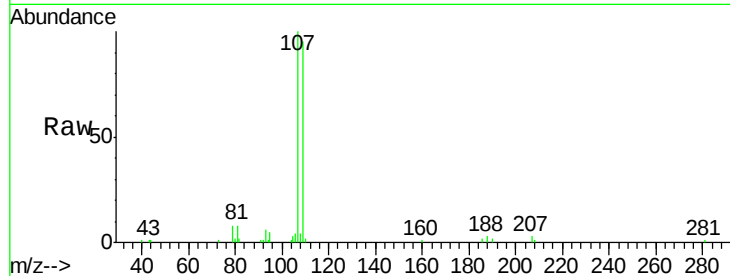
#61  
 1,2-Dibromoethane  
 Concen: 18.535 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

Tot Ion: 107 Resp: 41534  
 Ion Ratio Lower Upper  
 107 100  
 109 96.0 76.8 115.2

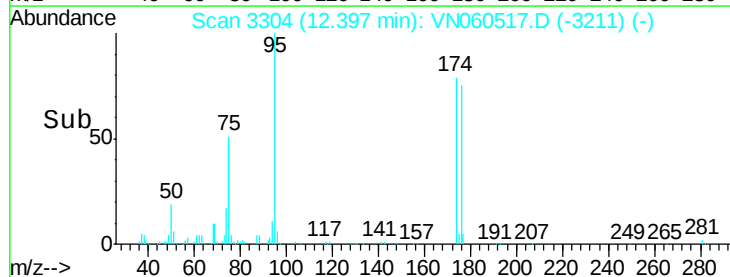
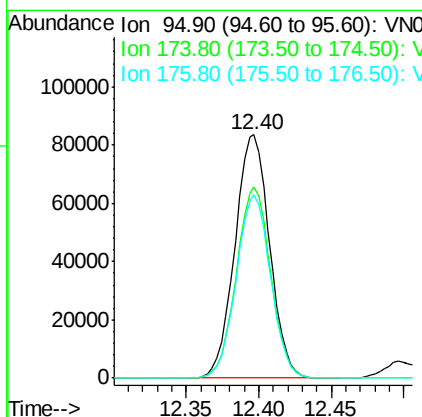
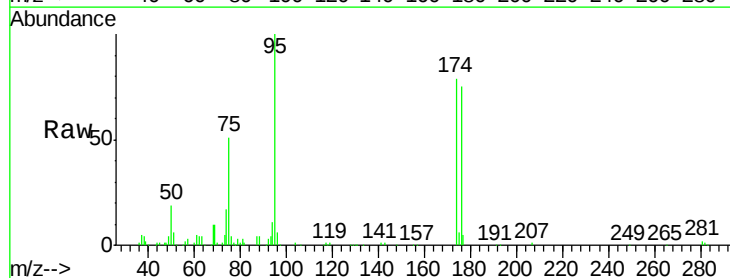
Manual Integrations  
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#62  
 4-Bromofluorobenzene  
 Concen: 47.377 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Tgt Ion: 95 Resp: 138403  
 Ion Ratio Lower Upper  
 95 100  
 174 77.9 0.0 159.2  
 176 74.7 0.0 153.8





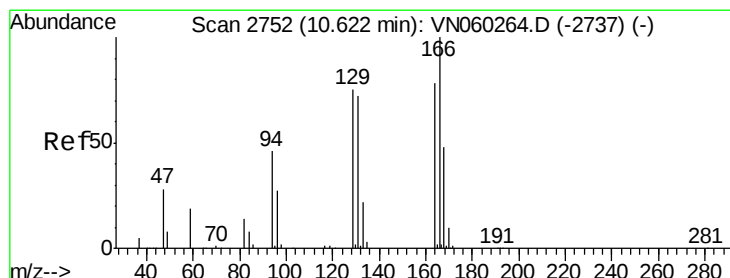
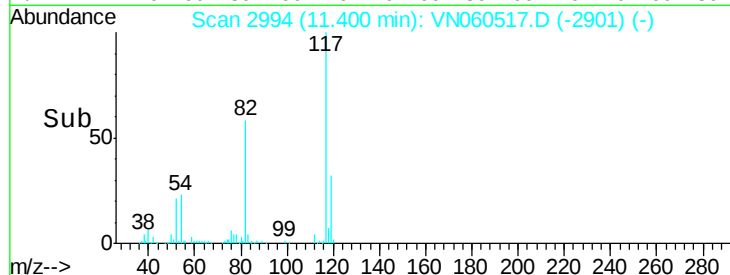
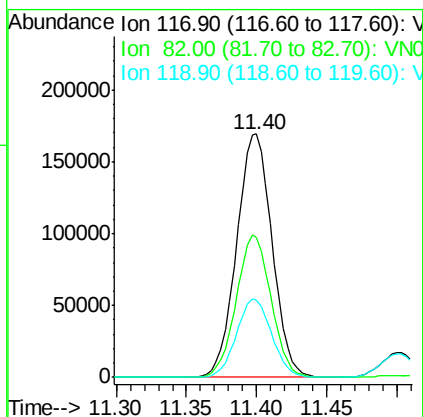
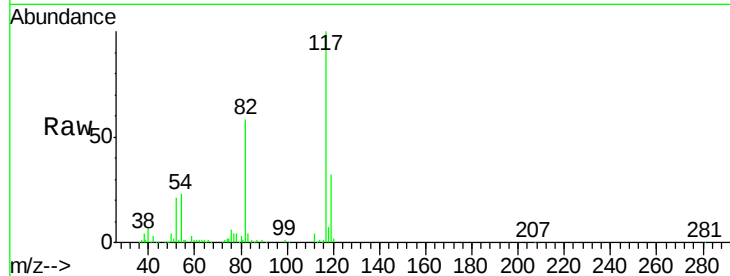
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 297895 |       |       |
| 82      | 57.6  |        | 45.8  | 68.6  |
| 119     | 31.8  |        | 25.8  | 38.8  |

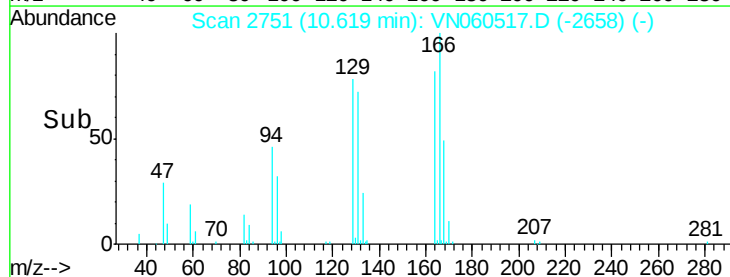
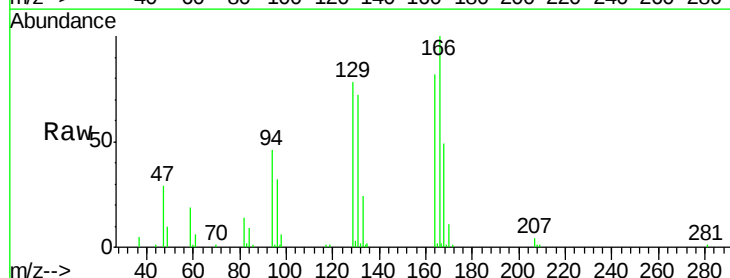
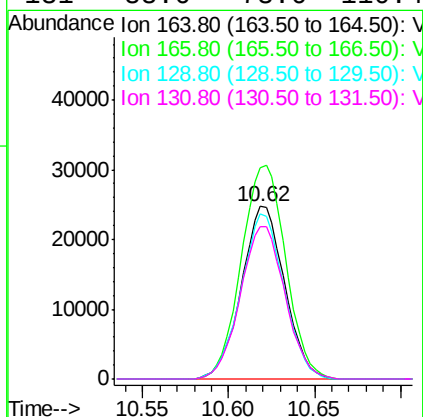
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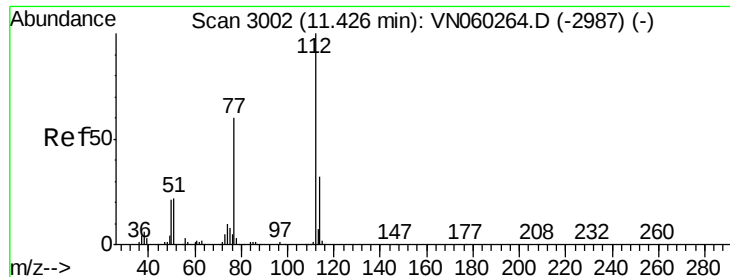
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#64  
Tetrachloroethene  
Concen: 17.378 ug/l  
RT: 10.62 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 42925 |       |       |
| 166     | 122.4 |       | 102.0 | 153.0 |
| 129     | 95.7  |       | 76.4  | 114.6 |
| 131     | 88.6  |       | 73.6  | 110.4 |





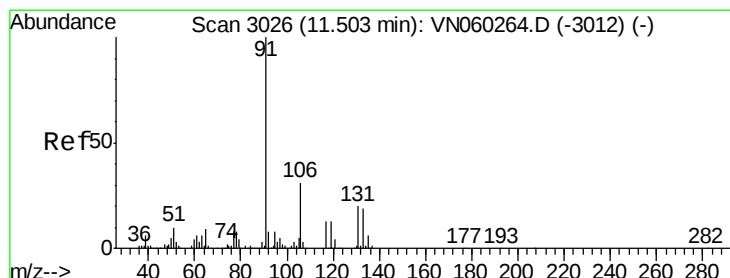
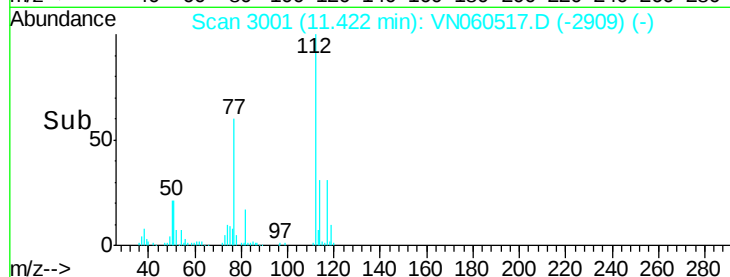
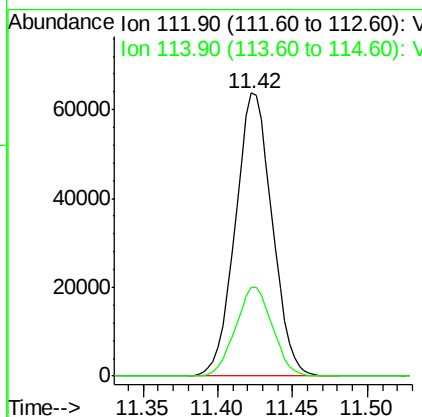
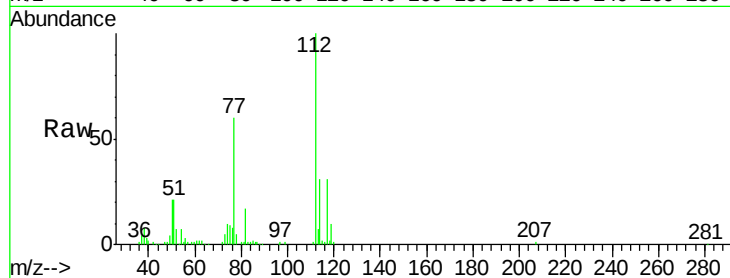
#65  
Chlorobenzene  
Concen: 18.138 ug/l  
RT: 11.42 min Scan# 3001  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.2  | 25.4  | 38.0  |

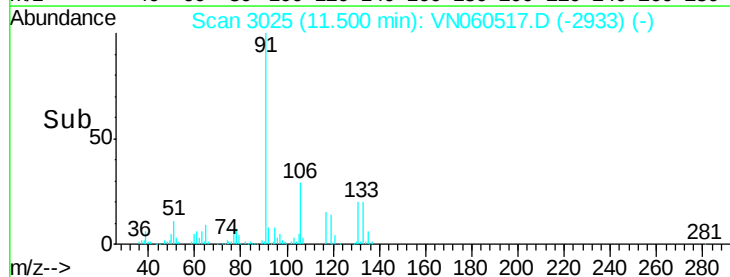
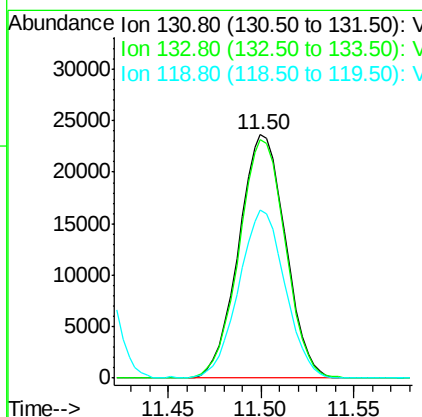
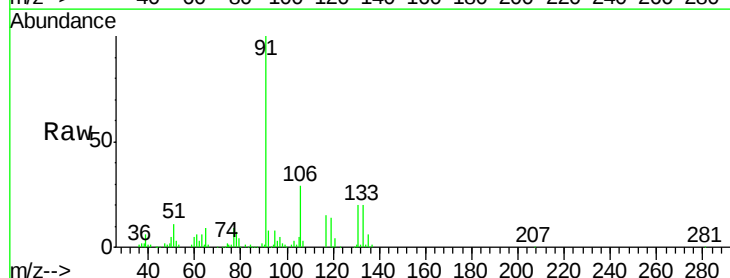
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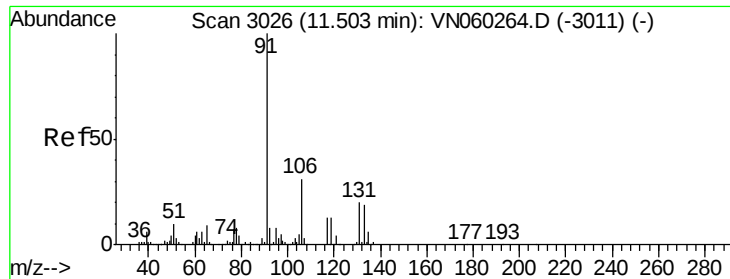
MMDadoda  
3/17/2020 11:48:16 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.590 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 97.1  | 47.7  | 143.1 |
| 119     | 68.3  | 33.2  | 99.6  |





#67

Ethyl Benzene

Concen: 18.165 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBSD01

Tot Ion: 91 Resp: 198989

Ion Ratio Lower Upper

91 100

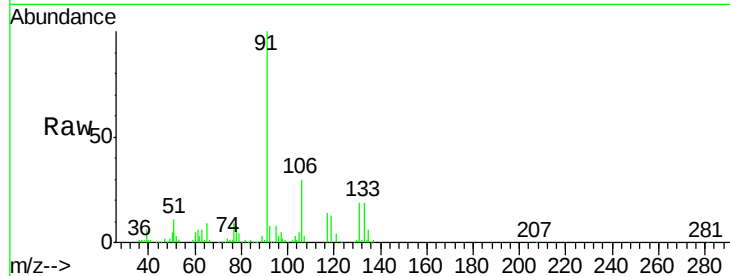
106 29.9 24.7 37.1

Manual Integrations

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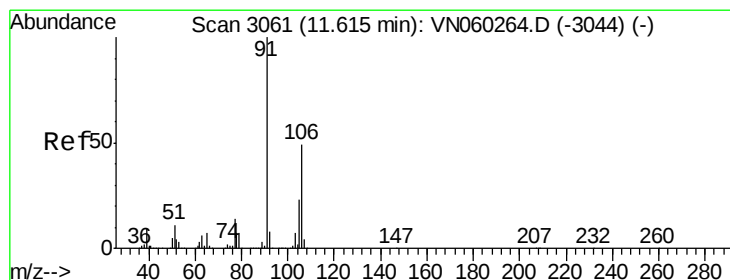
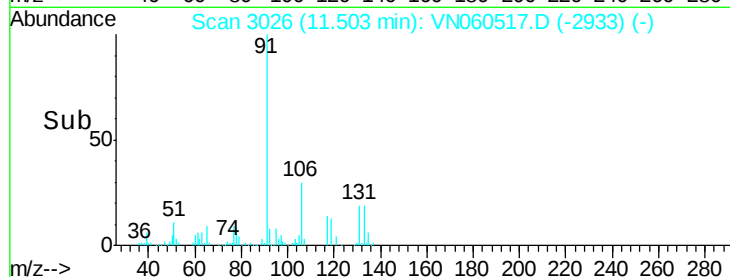
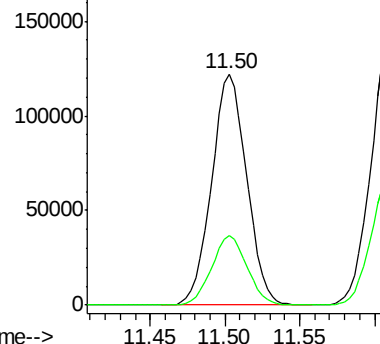
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 35.353 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060517.D

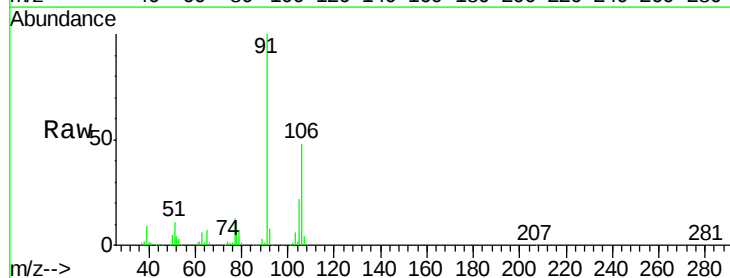
Acq: 16 Mar 2020 12:58

Tgt Ion:106 Resp: 146111

Ion Ratio Lower Upper

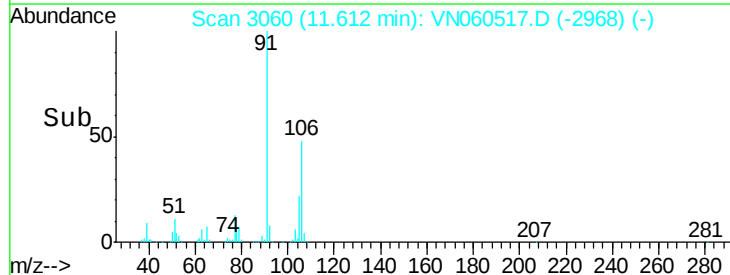
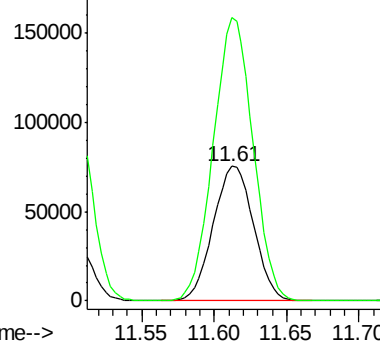
106 100

91 207.0 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





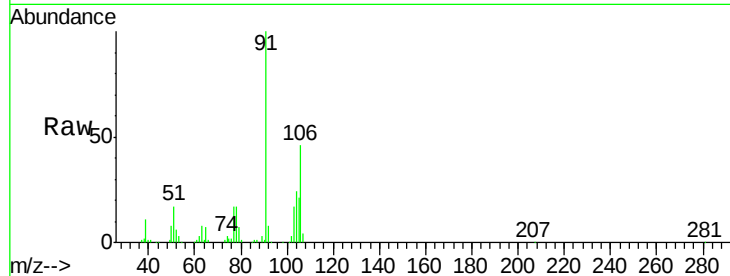
#69  
o-Xylene  
Concen: 18.267 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

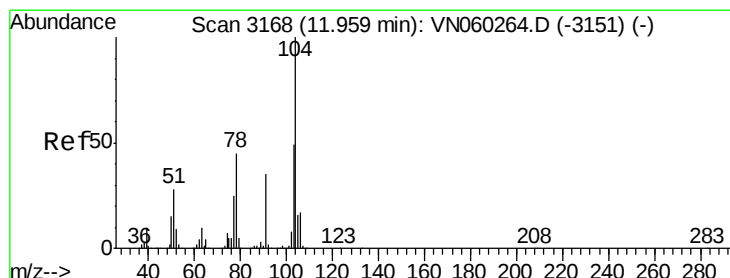
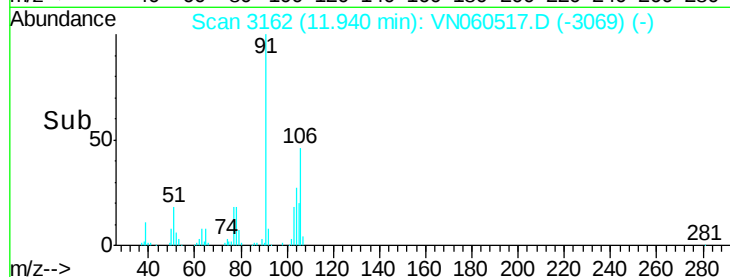
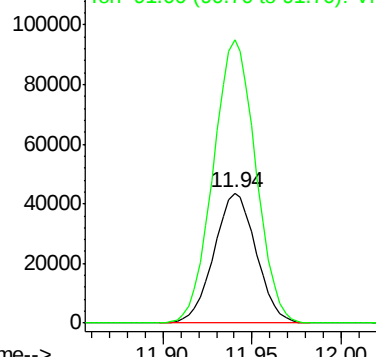
Tot Ion:106 Resp: 71993  
Ion Ratio Lower Upper  
106 100  
91 220.0 109.5 328.4

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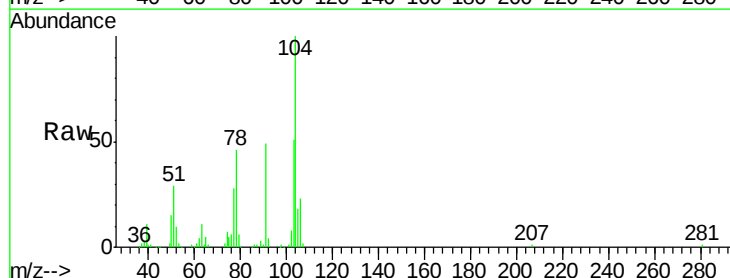


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

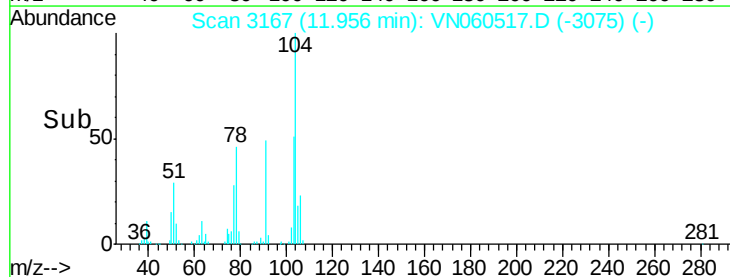
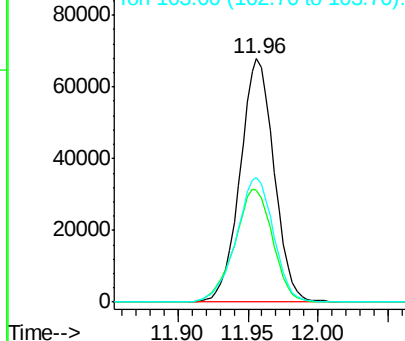


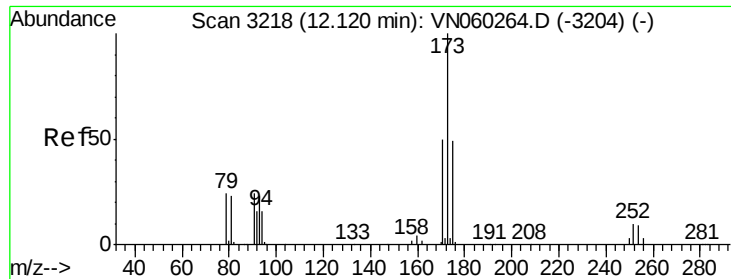
#70  
Styrene  
Concen: 17.670 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Tgt Ion:104 Resp: 114495  
Ion Ratio Lower Upper  
104 100  
78 51.9 41.2 61.8  
103 56.3 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.994 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

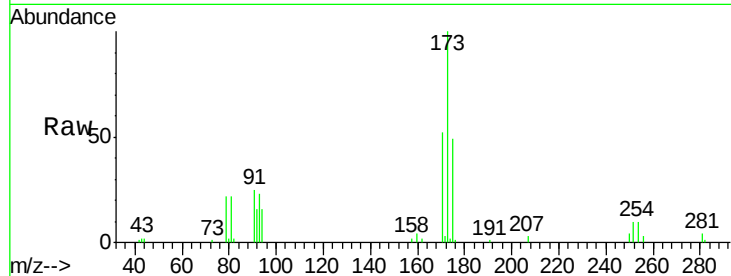
ClientSampleId :

VN0316WBSD01

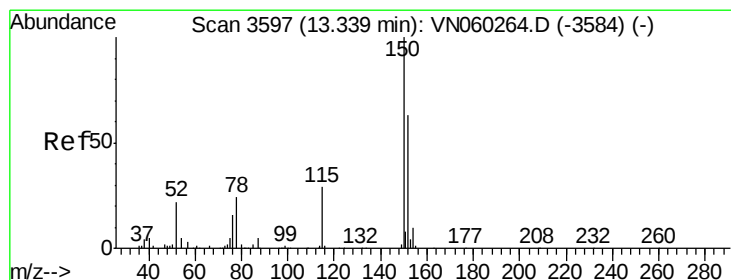
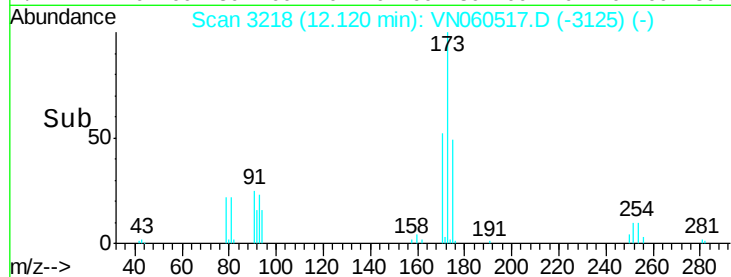
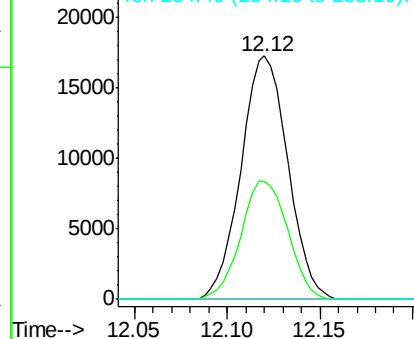
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 30446 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.7  | 24.1  | 72.2  |
| 254       | 0.0   | 0.0   | 0.0   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

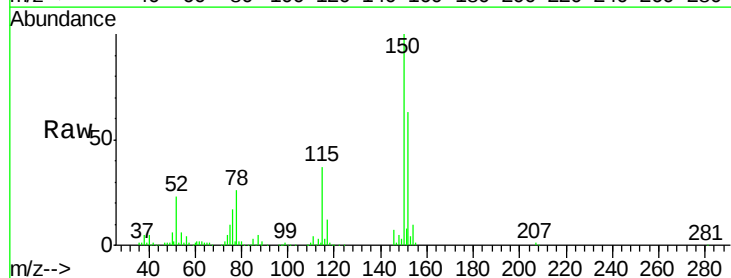
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

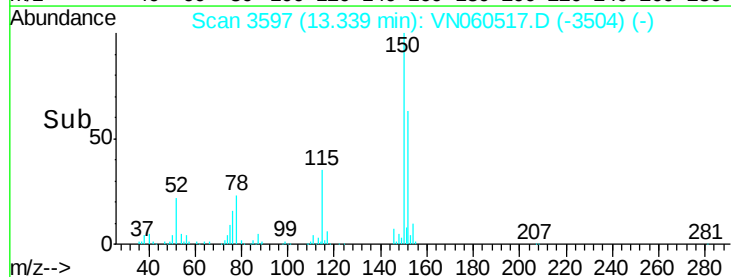
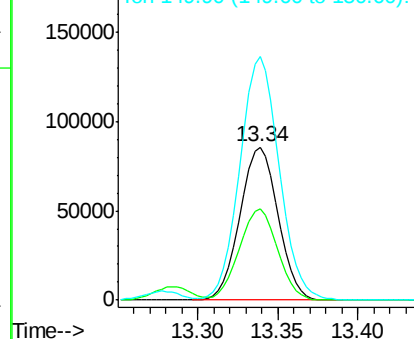
Lab File: VN060517.D

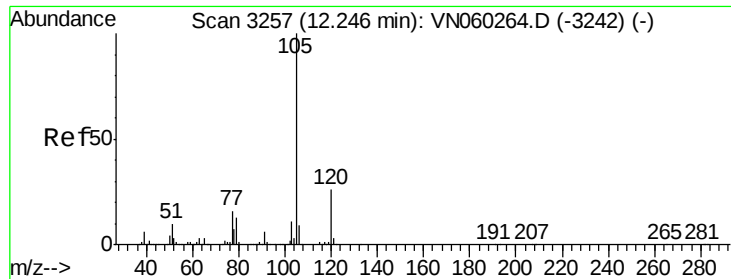
Acq: 16 Mar 2020 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 138906 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 60.0  | 30.0  | 90.0   |
| 150       | 164.7 | 0.0   | 349.6  |



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





#73

Isopropylbenzene

Concen: 18.684 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBSD01

Tot Ion: 105 Resp: 192362

Ion Ratio Lower Upper

105 100

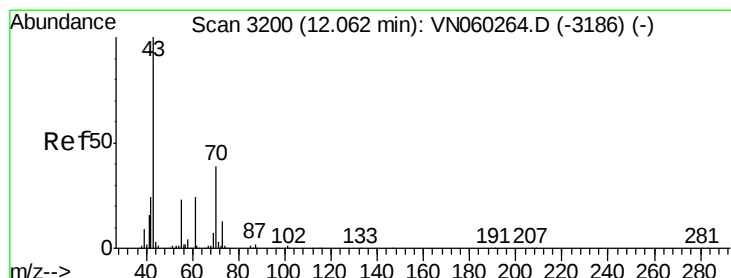
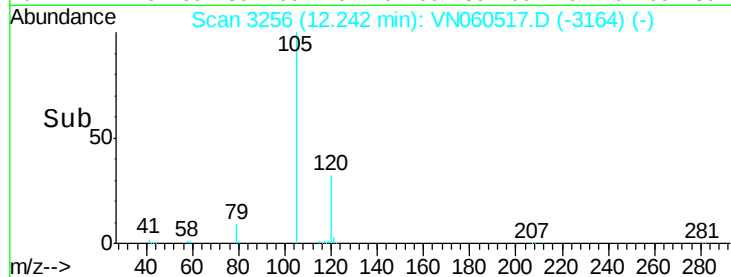
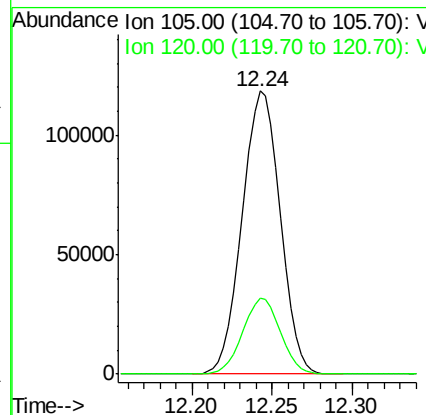
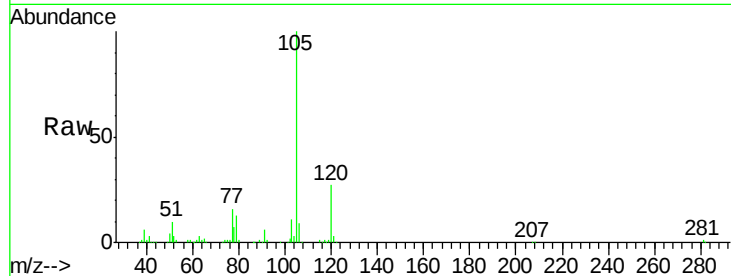
120 26.3 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.490 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Tgt Ion: 43 Resp: 87685

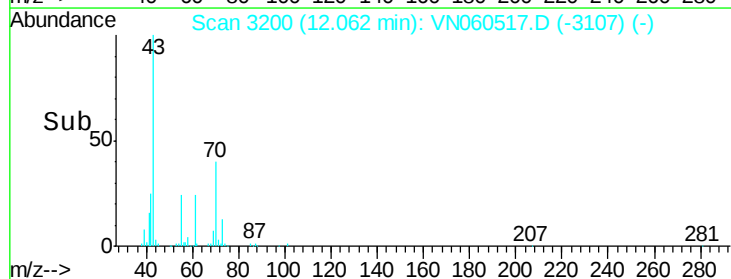
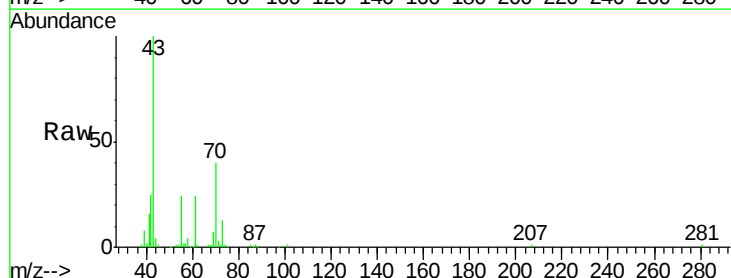
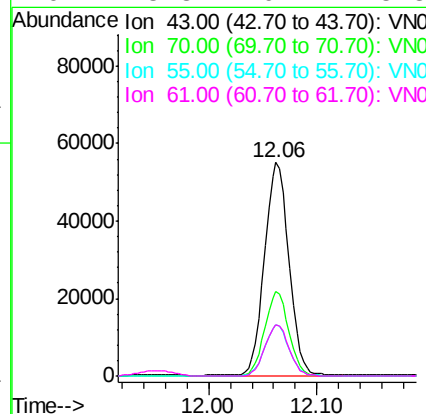
Ion Ratio Lower Upper

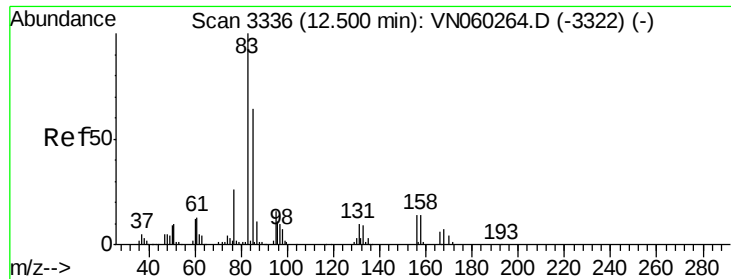
43 100

70 38.6 32.2 48.2

55 23.5 18.2 27.4

61 23.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.355 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

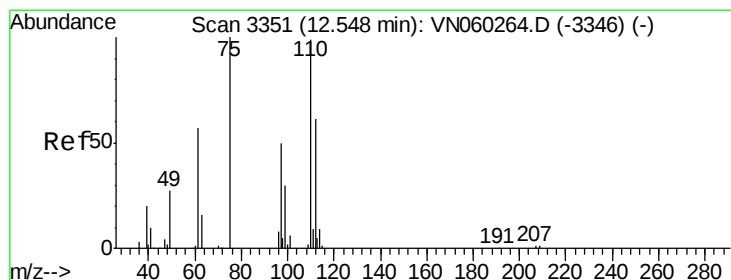
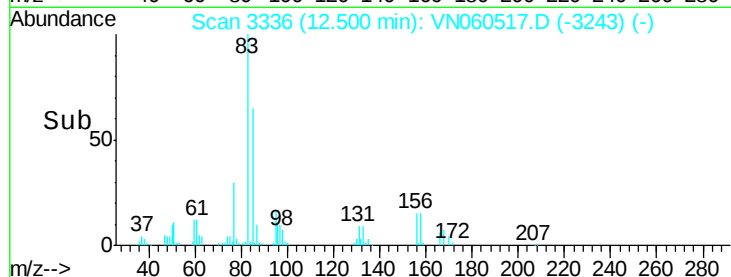
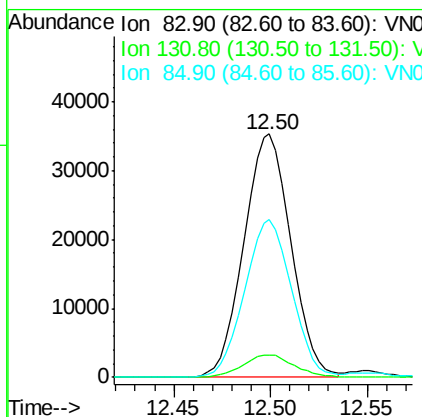
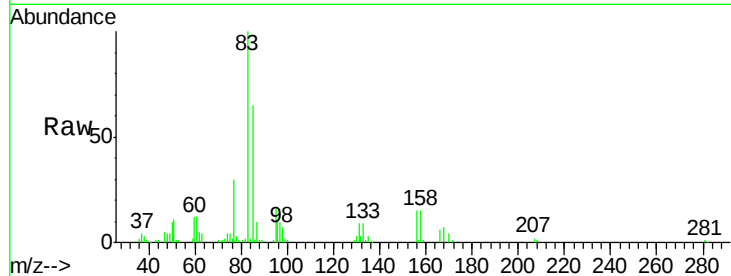
ClientSampleId :

VN0316WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 59764 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.9   | 5.1   | 15.3  |
| 85        | 64.6  | 32.3  | 96.8  |

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#76

1,2,3-Trichloropropane

Concen: 17.814 ug/l m

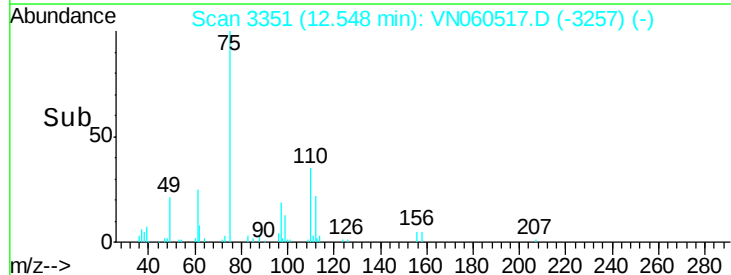
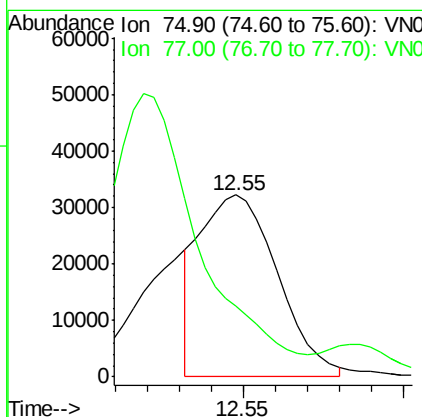
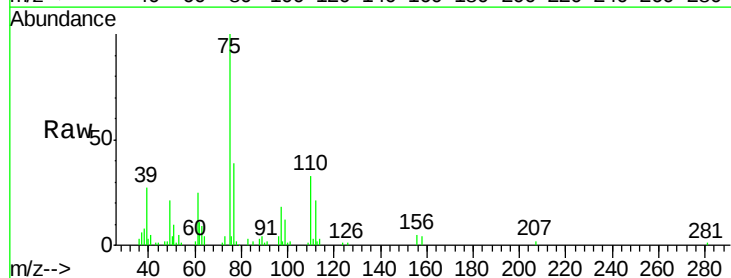
RT: 12.55 min Scan# 3351

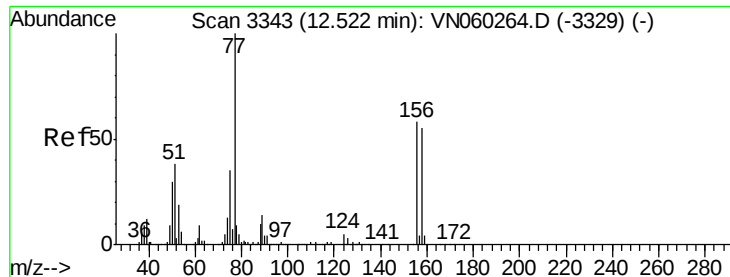
Delta R.T. 0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 54291 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





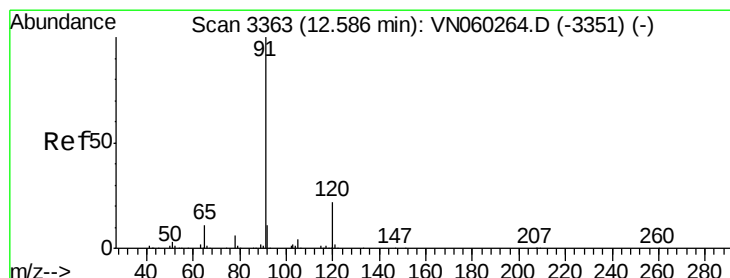
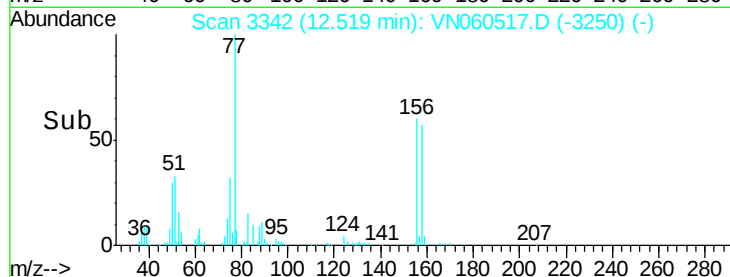
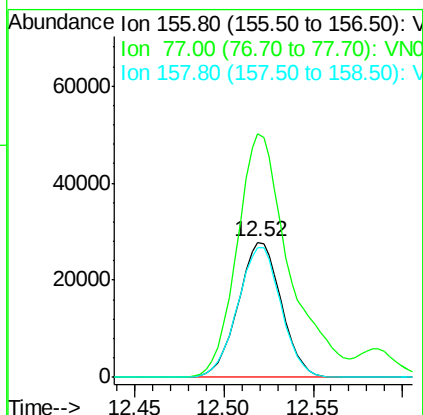
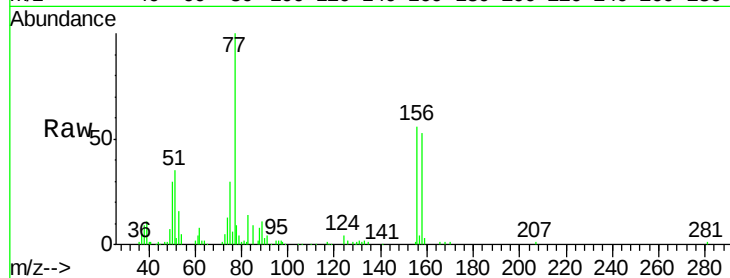
#77  
Bromobenzene  
Concen: 18.598 ug/l  
RT: 12.52 min Scan# 3342  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 218.7 | 106.1 | 318.3 |
| 158     | 97.5  | 48.3  | 144.8 |

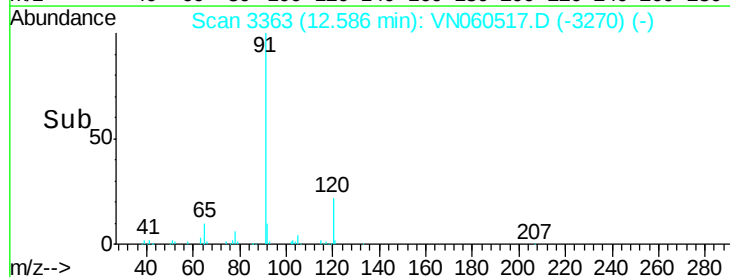
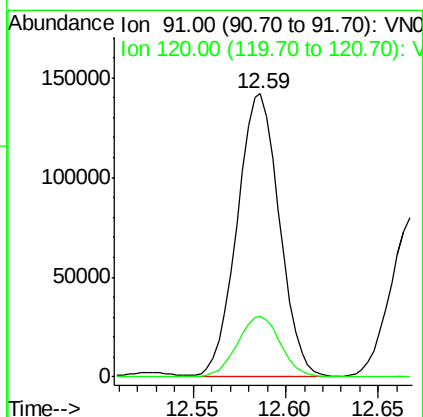
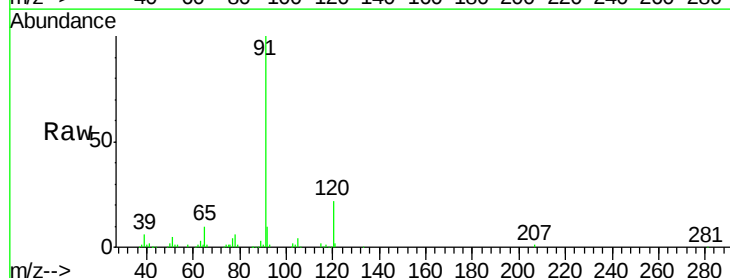
Manual Integrations  
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#78  
n-propylbenzene  
Concen: 18.573 ug/l  
RT: 12.59 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.8  | 11.3  | 33.9  |





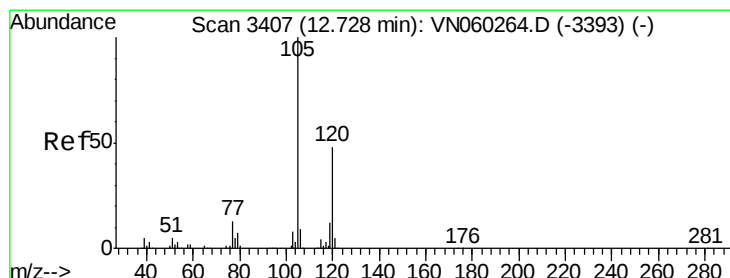
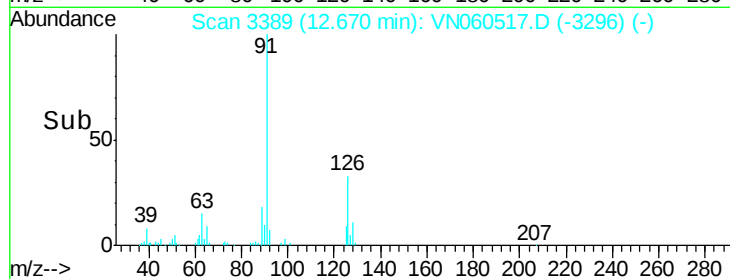
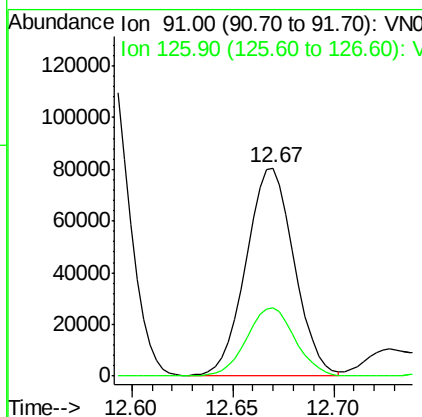
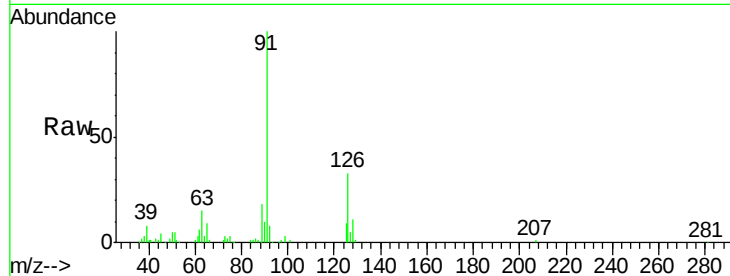
#79  
 2-Chlorotoluene  
 Concen: 18.852 ug/l  
 RT: 12.67 min Scan# 3389  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 126     | 33.1 | 16.6  | 49.8  |       |

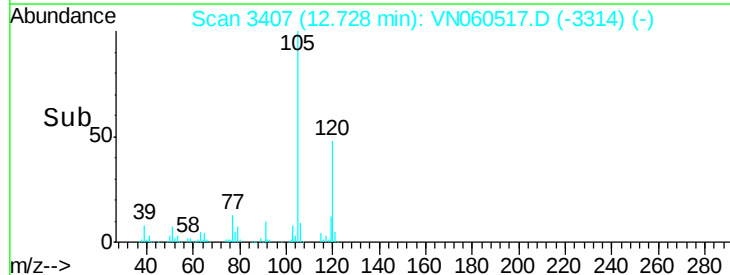
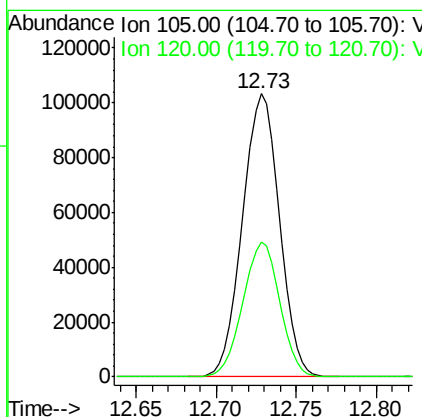
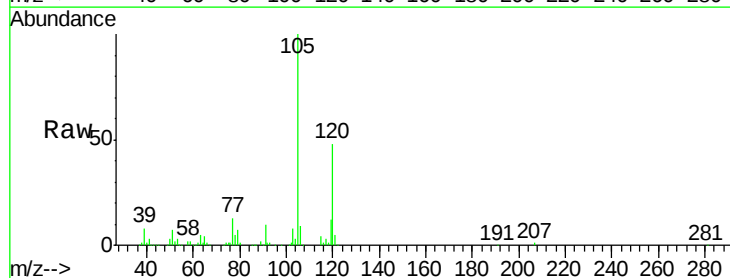
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 18.757 ug/l  
 RT: 12.73 min Scan# 3407  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 105     | 100  |       |       |       |
| 120     | 47.5 | 24.1  | 72.4  |       |





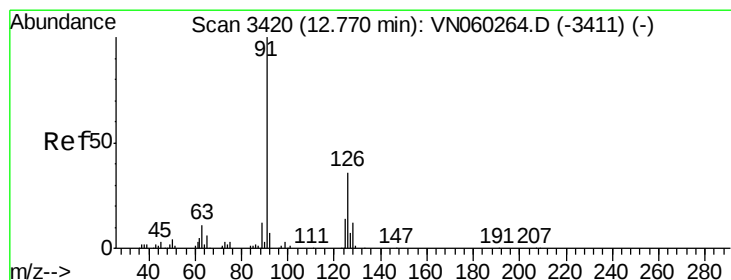
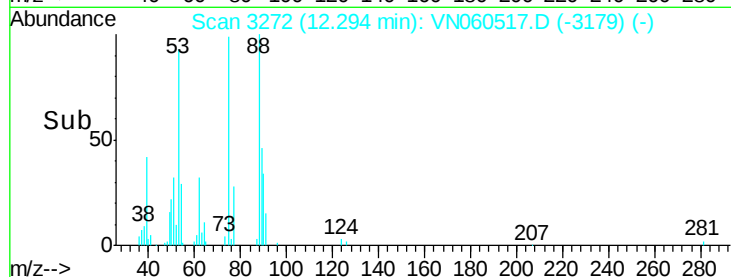
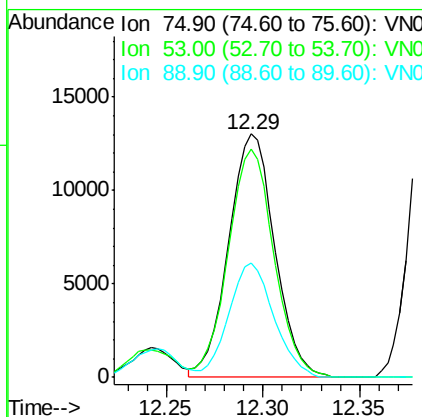
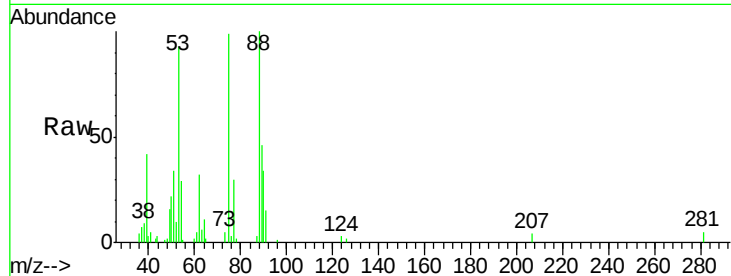
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.524 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 93.3  | 73.8  | 110.6 |
| 89      | 46.0  | 57.1  | 85.7# |

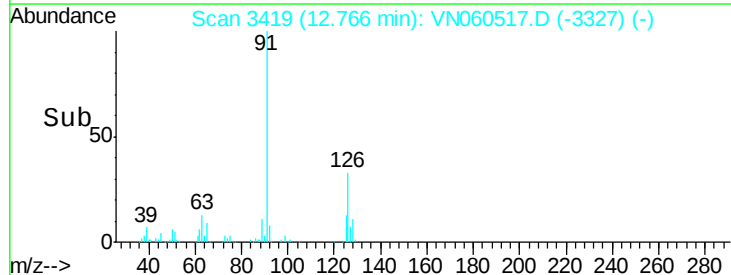
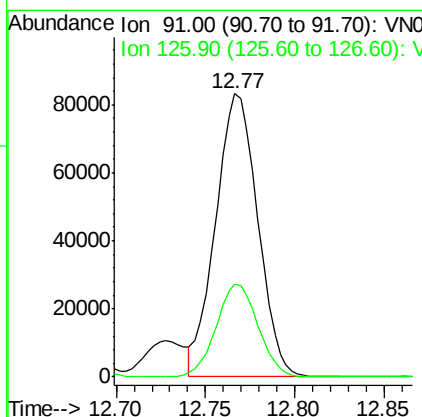
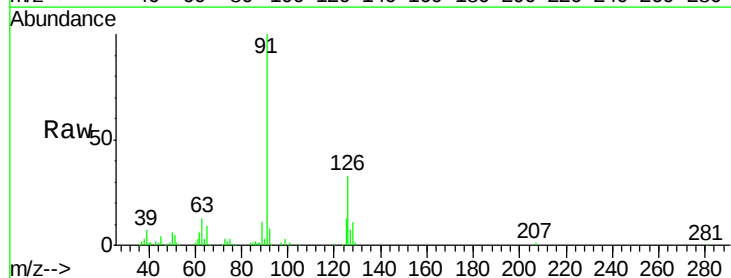
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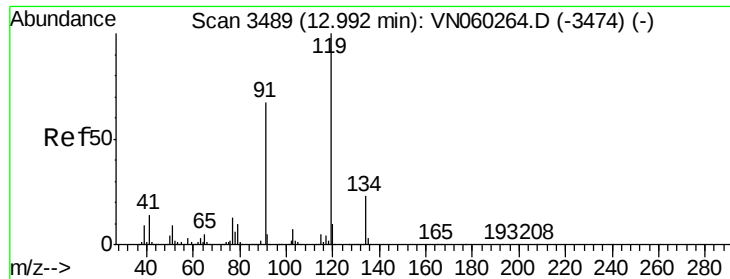
MMDadoda  
3/17/2020 11:48:16 AM



#82  
4-Chlorotoluene  
Concen: 18.265 ug/l  
RT: 12.77 min Scan# 3419  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.4  | 16.7  | 50.1  |





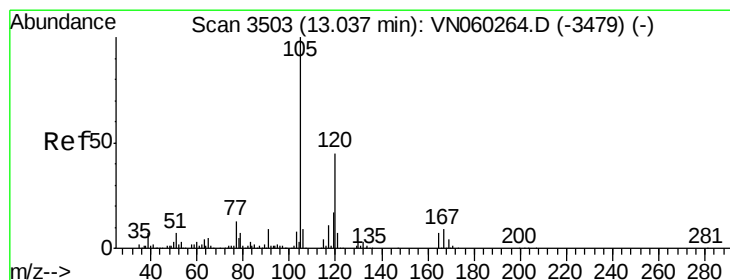
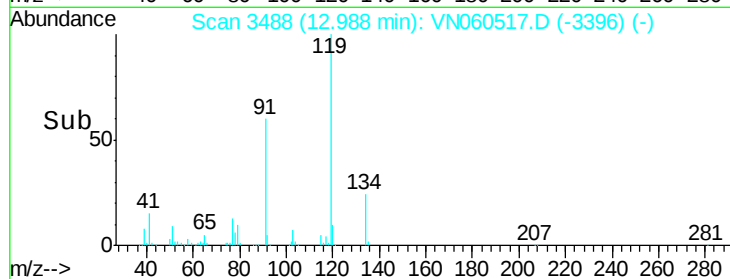
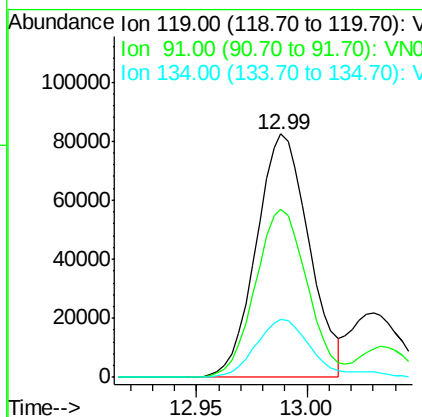
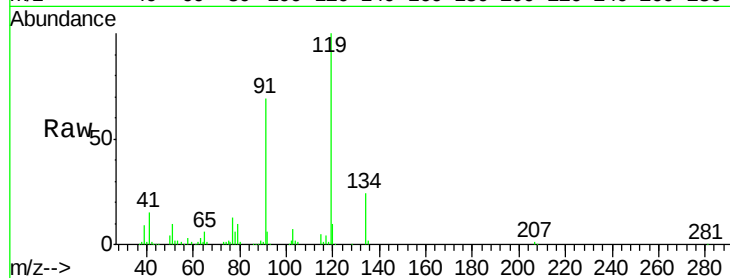
#83  
 tert-Butylbenzene  
 Concen: 18.226 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.1  | 33.1  | 99.2  |
| 134     | 25.5  | 12.4  | 37.0  |

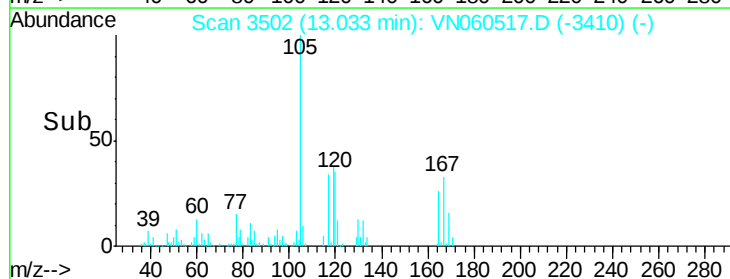
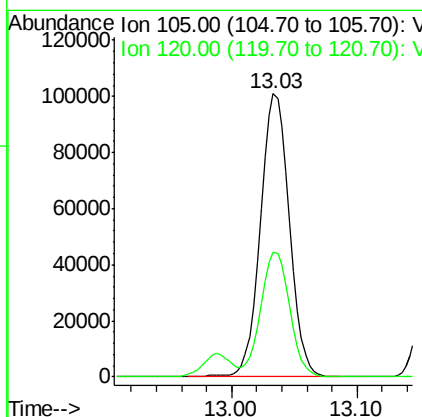
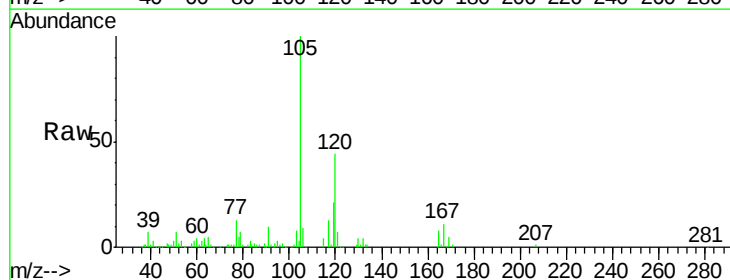
Manual Integrations  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.509 ug/l  
 RT: 13.03 min Scan# 3502  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.0  | 22.3  | 66.9  |





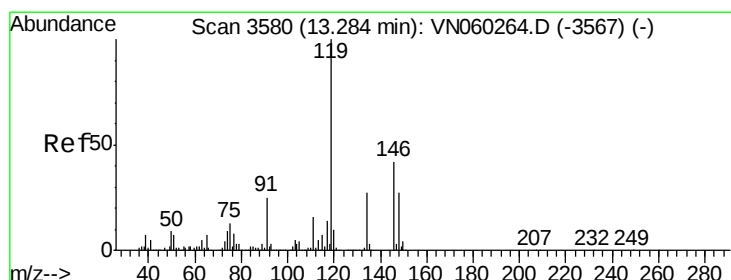
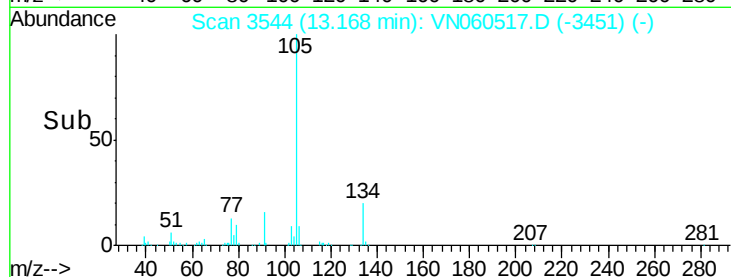
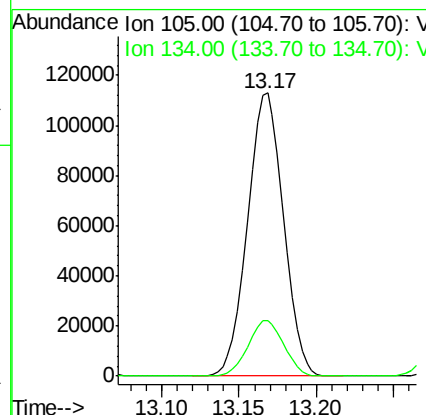
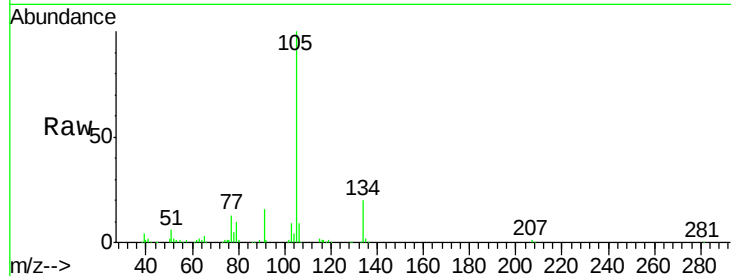
#85  
 sec-Butylbenzene  
 Concen: 18.178 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 182692 |       |       |
| 134     | 19.6  | 9.8    | 29.5  |       |

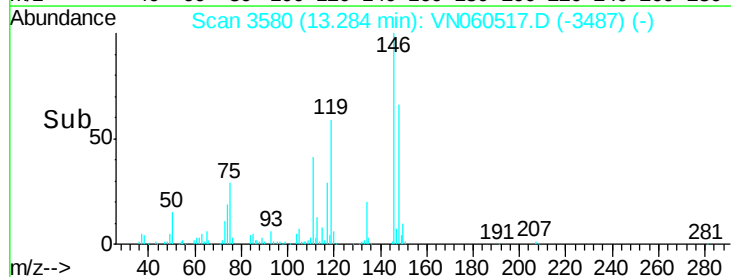
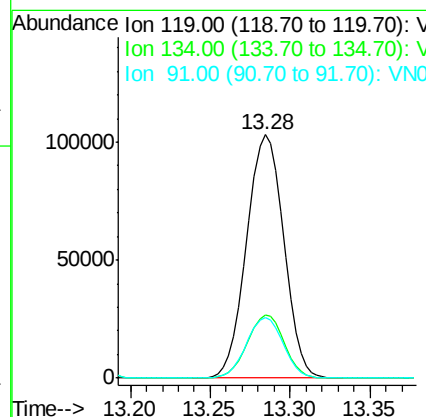
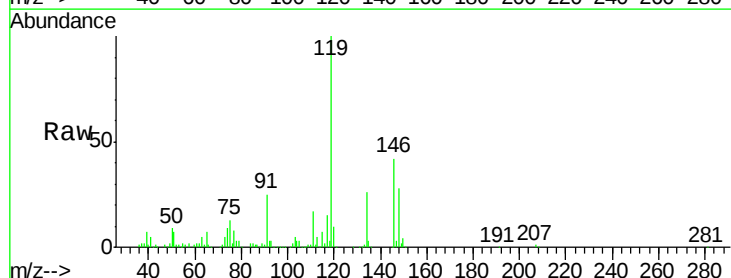
Manual Integrations  
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 3/17/2020 11:48:16 AM



#86  
 p-Isopropyltoluene  
 Concen: 17.580 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 163528 |       |       |
| 134     | 25.7  | 13.2   | 39.6  |       |
| 91      | 24.6  | 12.2   | 36.6  |       |





#87

1,3-Dichlorobenzene

Concen: 18.938 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060517.D

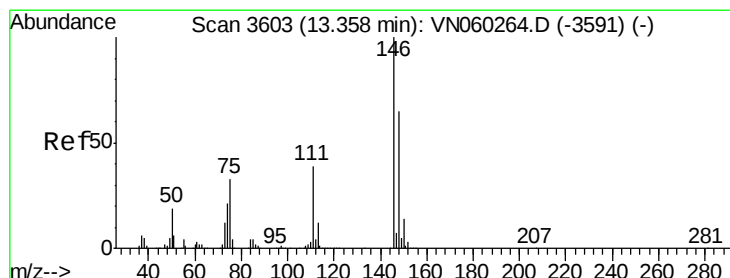
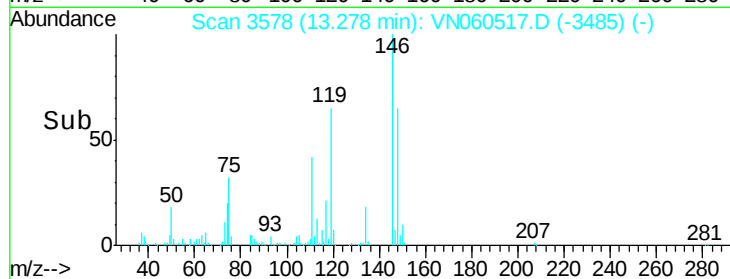
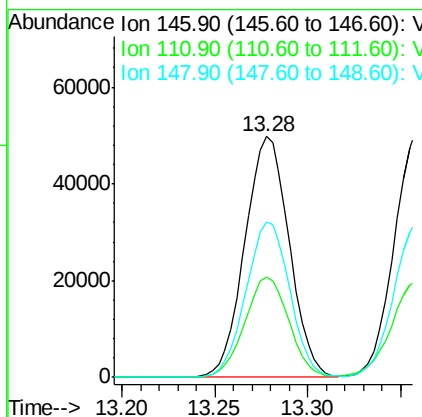
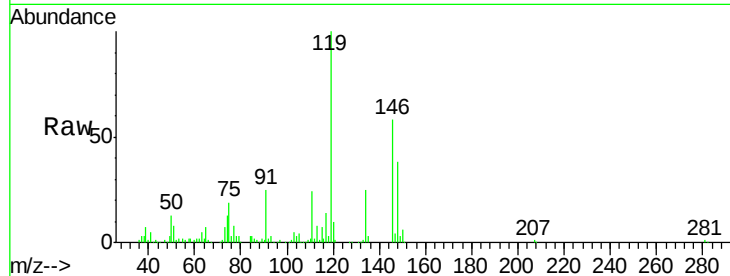
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 20.0  | 59.9  |
| 148     | 63.9  | 32.1  | 96.3  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 19.005 ug/l

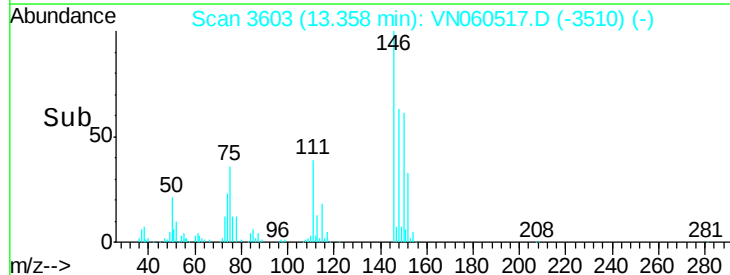
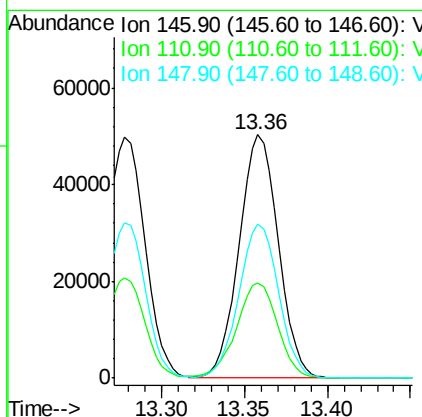
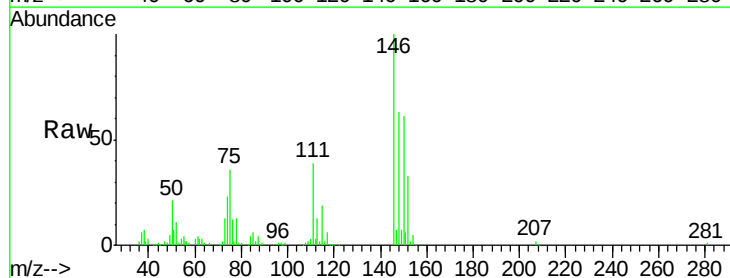
RT: 13.36 min Scan# 3603

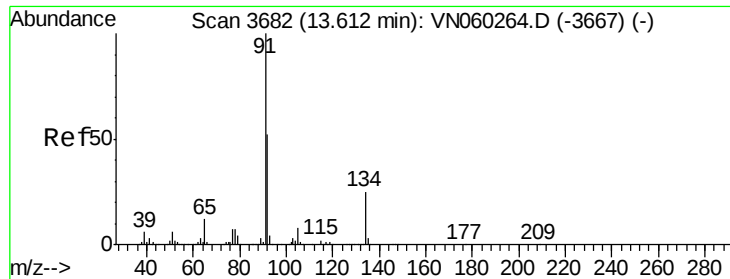
Delta R.T. 0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.1  | 19.8  | 59.4  |
| 148     | 64.0  | 32.3  | 96.9  |





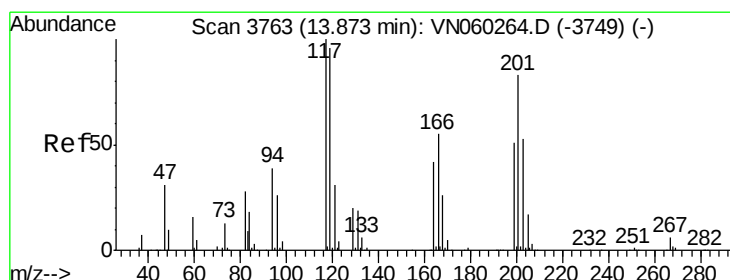
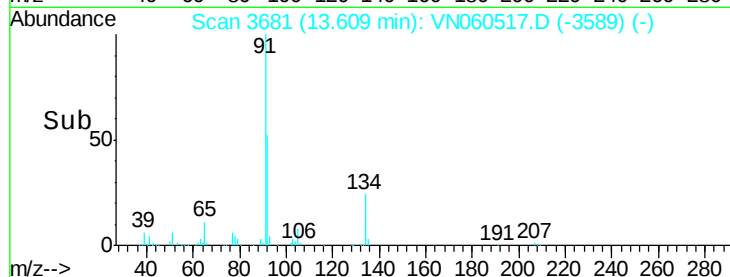
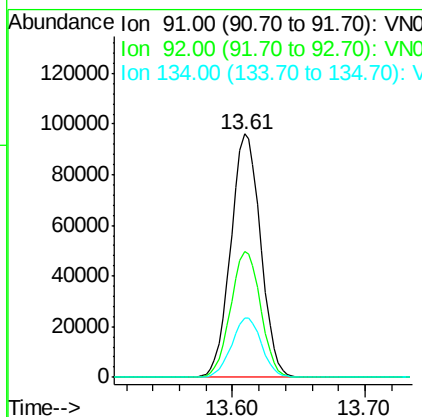
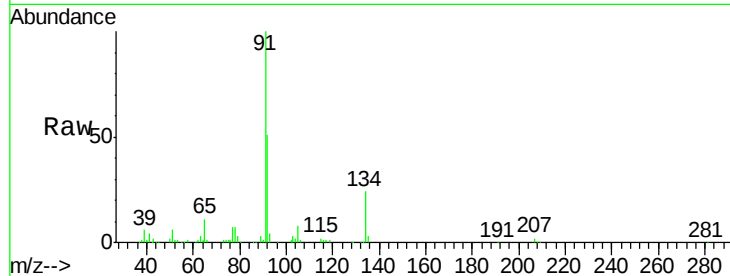
#89  
n-Butylbenzene  
Concen: 17.573 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.0  | 26.0  | 78.0  |
| 134     | 24.7  | 12.7  | 38.1  |

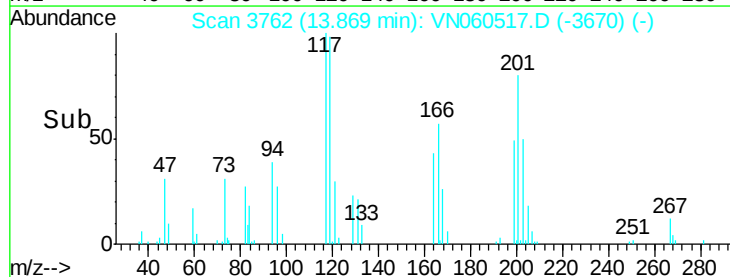
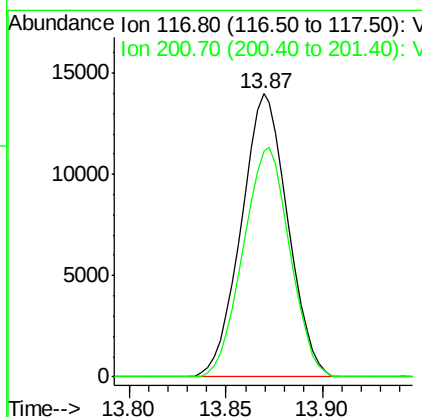
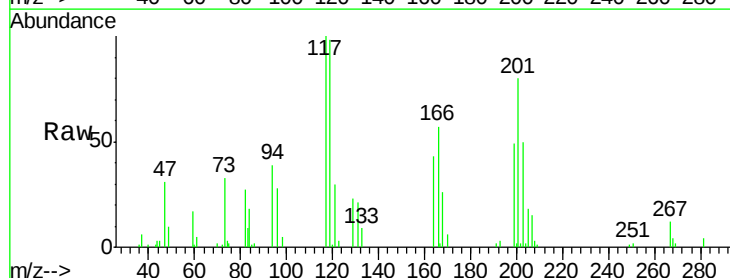
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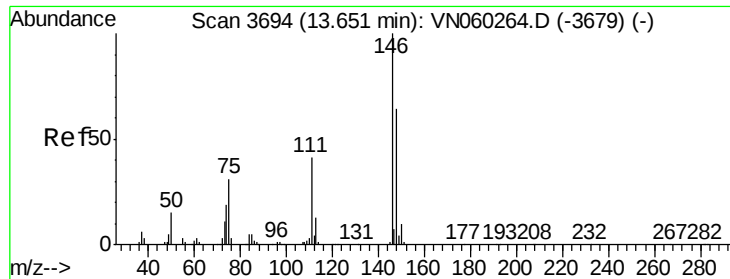
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#90  
Hexachloroethane  
Concen: 17.361 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN060517.D  
Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.2  | 41.0  | 123.0 |





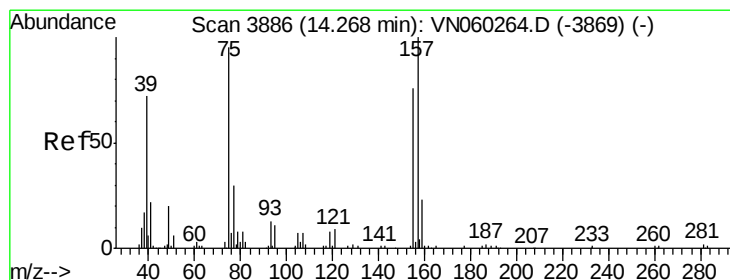
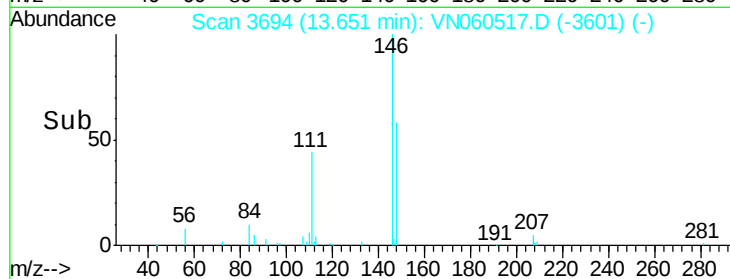
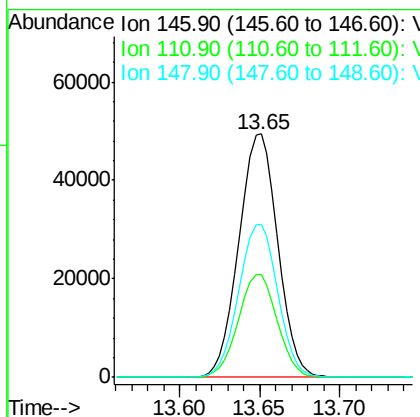
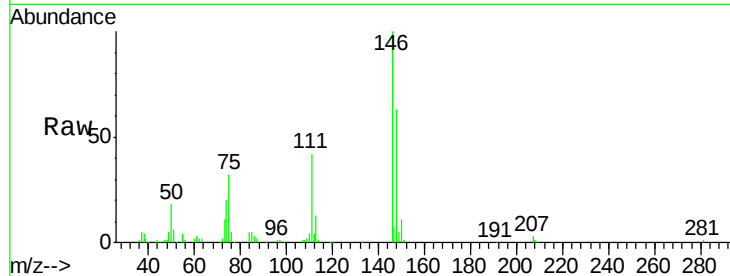
#91  
 1,2-Dichlorobenzene  
 Concen: 18.525 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.2  | 20.3  | 61.0  |
| 148     | 63.1  | 31.8  | 95.3  |

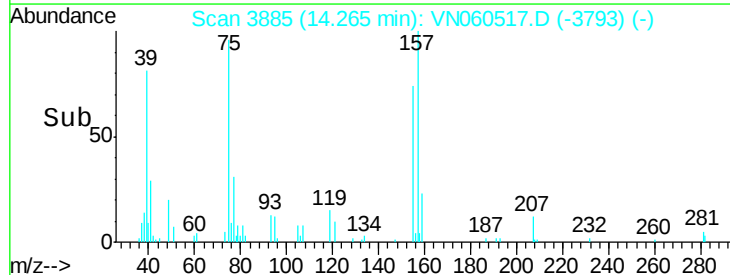
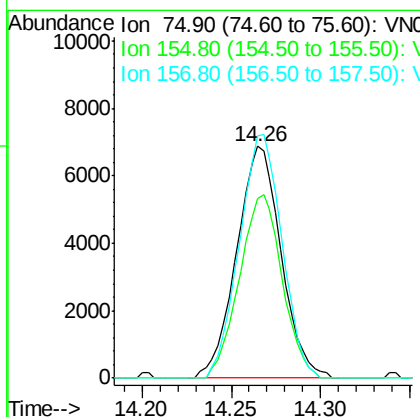
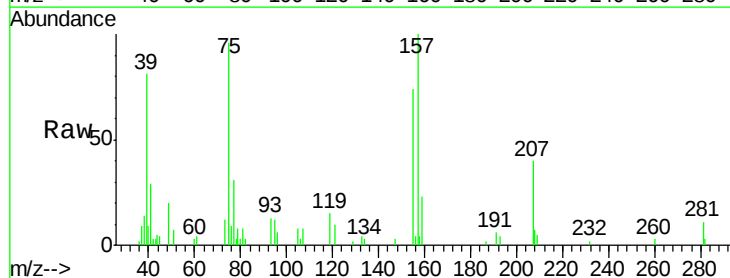
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.812 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. -0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 76.1  | 40.4  | 121.2 |
| 157     | 100.5 | 52.5  | 157.5 |





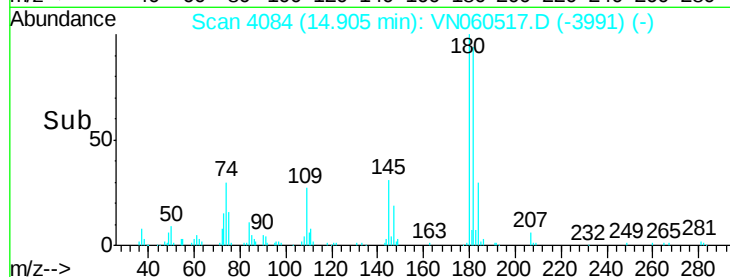
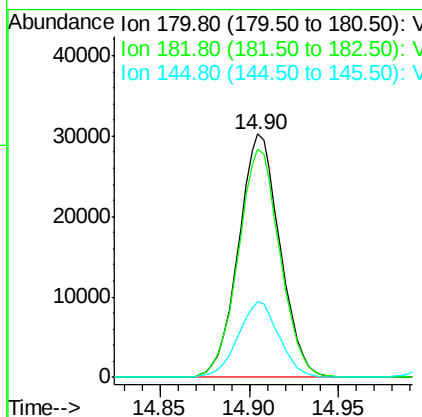
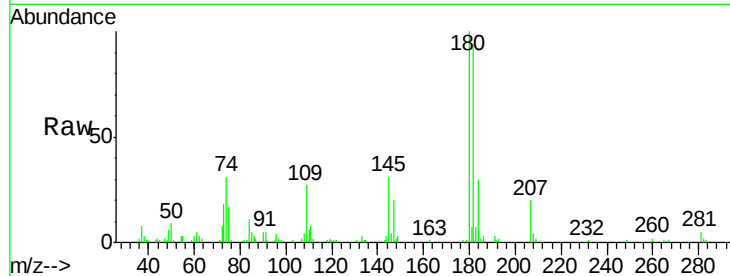
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.523 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. 0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0316WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.4  | 47.8  | 143.3 |
| 145     | 30.7  | 15.4  | 46.1  |

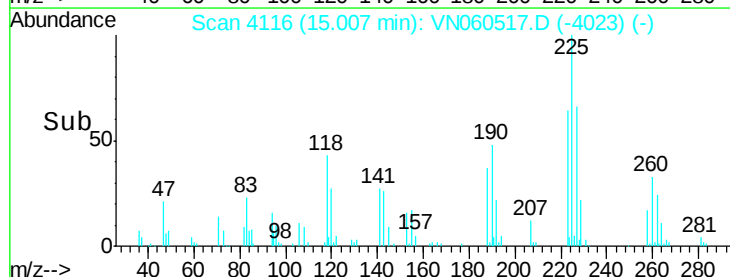
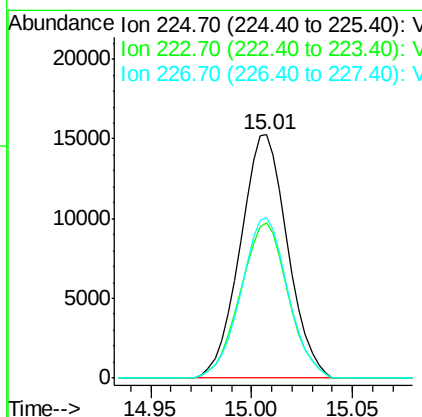
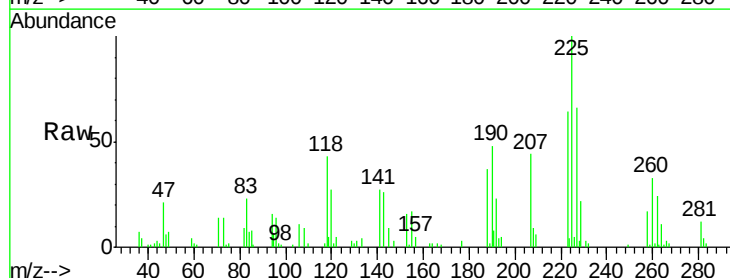
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#94  
 Hexachlorobutadiene  
 Concen: 19.028 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN060517.D  
 Acq: 16 Mar 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.3  | 31.3  | 93.9  |
| 227     | 65.5  | 32.3  | 96.9  |





#95

Naphthalene

Concen: 16.798 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

Instrument :

MSVOA\_N

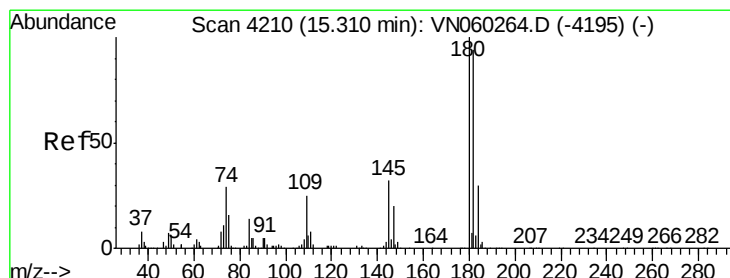
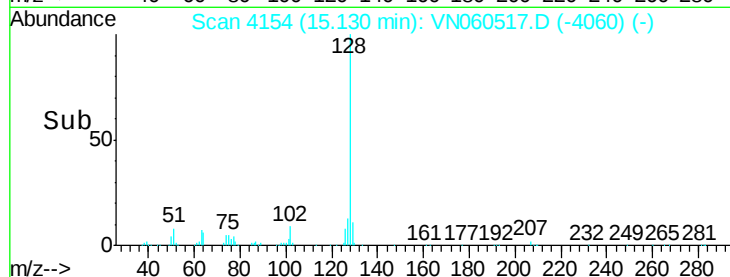
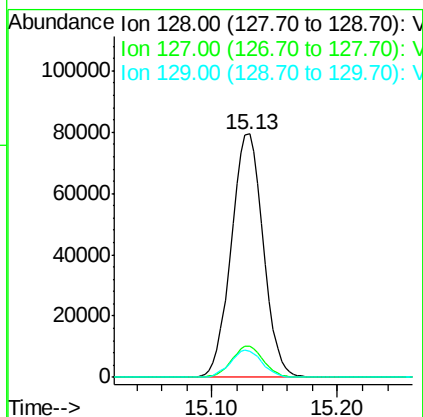
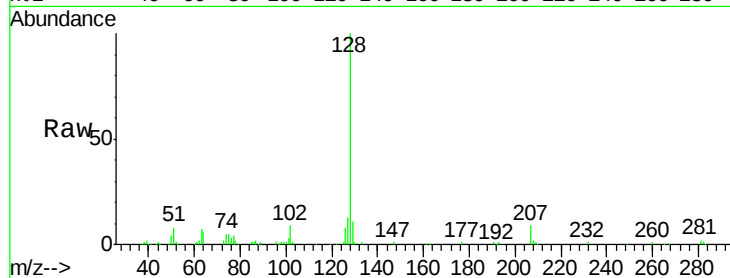
ClientSampleId :

VN0316WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 140521 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.6  | 10.4  | 15.6   |
| 129       | 11.0  | 8.6   | 13.0   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 17.890 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060517.D

Acq: 16 Mar 2020 12:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 47651 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.2  | 47.3  | 142.0 |
| 145       | 33.3  | 16.2  | 48.5  |

