

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\  
 Data File : VN060495.D  
 Acq On : 13 Mar 2020 12:25  
 Operator : JC/MD  
 Sample : VN0313WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0313WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 2:04:49 PM

Quant Time: Mar 16 08:31:12 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  | 189634   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 317306   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 291298   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 138321   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 123538   | 50.78 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.56% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 91084    | 61.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 123.68% |      |
| 50) Toluene-d8            | 10.08  | 98  | 356862   | 47.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.74%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 133330   | 47.18 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.36%  |      |

## Target Compounds

|                               |      |     |        |         | Qvalue   |
|-------------------------------|------|-----|--------|---------|----------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 26879  | 15.460  | ug/l 99  |
| 3) Chloromethane              | 2.04 | 50  | 51994  | 17.176  | ug/l 99  |
| 4) Vinyl Chloride             | 2.16 | 62  | 42592  | 16.407  | ug/l 100 |
| 5) Bromomethane               | 2.55 | 94  | 18783  | 16.358  | ug/l 98  |
| 6) Chloroethane               | 2.68 | 64  | 25057  | 17.814  | ug/l 96  |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 57951  | 17.472  | ug/l 99  |
| 8) Diethyl Ether              | 3.38 | 74  | 23603  | 18.847  | ug/l 96  |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 34818  | 18.549  | ug/l 99  |
| 10) Methyl Iodide             | 3.93 | 142 | 24483  | 14.291  | ug/l 99  |
| 11) Tert butyl alcohol        | 4.73 | 59  | 34868  | 96.514  | ug/l 100 |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 33781  | 18.493  | ug/l 97  |
| 13) Acrolein                  | 3.58 | 56  | 33562  | 99.580  | ug/l 97  |
| 14) Allyl chloride            | 4.29 | 41  | 62276  | 18.539  | ug/l 98  |
| 15) Acrylonitrile             | 4.94 | 53  | 102993 | 108.158 | ug/l 99  |
| 16) Acetone                   | 3.78 | 43  | 86091  | 109.572 | ug/l 99  |
| 17) Carbon Disulfide          | 4.03 | 76  | 80076  | 16.085  | ug/l 99  |
| 18) Methyl Acetate            | 4.29 | 43  | 55119  | 21.022  | ug/l 97  |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 130846 | 19.781  | ug/l 98  |
| 20) Methylene Chloride        | 4.52 | 84  | 40355  | 18.702  | ug/l 99  |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 36063  | 18.152  | ug/l 96  |
| 22) Diisopropyl ether         | 5.91 | 45  | 142318 | 20.916  | ug/l 95  |
| 23) Vinyl Acetate             | 5.86 | 43  | 556703 | 102.963 | ug/l 99  |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 77037  | 20.001  | ug/l 100 |
| 25) 2-Butanone                | 6.80 | 43  | 139485 | 109.909 | ug/l 98  |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 67045  | 19.121  | ug/l 100 |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 44653  | 17.846  | ug/l 96  |
| 28) Bromochloromethane        | 7.17 | 49  | 32466  | 20.530  | ug/l 95  |
| 29) Tetrahydrofuran           | 7.18 | 42  | 94803  | 107.426 | ug/l 97  |
| 30) Chloroform                | 7.35 | 83  | 74919  | 19.540  | ug/l 97  |
| 31) Cyclohexane               | 7.63 | 56  | 66246  | 19.333  | ug/l 97  |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 64274  | 18.920  | ug/l 98  |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 53108  | 17.562  | ug/l 100 |
| 37) Ethyl Acetate             | 6.90 | 43  | 60415  | 21.099  | ug/l 99  |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 51154  | 17.374  | ug/l 97  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\  
 Data File : VN060495.D  
 Acq On : 13 Mar 2020 12:25  
 Operator : JC/MD  
 Sample : VN0313WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0313WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 2:04:49 PM

Quant Time: Mar 16 08:31:12 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          | 9.07  | 83   | 60119    | 16.861  | ug/l   | 96       |
| 40) Benzene                    | 8.02  | 78   | 164149   | 18.650  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.15  | 41   | 29636m   | 22.415  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 60422    | 19.023  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 103131   | 20.573  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 43519    | 17.753  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 46553    | 20.229  | ug/l   | 98       |
| 46) Dibromomethane             | 9.19  | 93   | 27887    | 18.676  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 59069    | 19.450  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.18  | 41   | 43184    | 18.891  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 10826    | 336.768 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 299186   | 105.264 | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 100799   | 18.231  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 67049    | 18.018  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 73034    | 18.940  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 41923    | 18.855  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 61620    | 19.291  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 71210    | 19.639  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 152422   | 91.236  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.74 | 43   | 213691   | 102.399 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 43919    | 19.423  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 41385    | 19.094  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 42390    | 17.565  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 105678   | 17.966  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 41065    | 18.882  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 196737   | 18.367  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 143011   | 35.386  | ug/l   | 97       |
| 69) o-Xylene                   | 11.94 | 106  | 69903    | 18.138  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 114176   | 18.020  | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 30201    | 19.268  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 190104   | 18.543  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 87044    | 19.430  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 59463    | 21.337  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 55681m   | 18.348  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 46312    | 18.428  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 221610   | 18.441  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 130099   | 18.417  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 159048   | 18.426  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 20793    | 18.914  | ug/l # | 84       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 136879   | 18.391  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 134096   | 17.943  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 160830   | 18.460  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 182744   | 18.260  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 163253   | 17.625  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 81456    | 18.745  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 80615    | 18.558  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.61 | 91   | 147660   | 17.366  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 22095    | 16.479  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 78821    | 17.899  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 11794    | 18.688  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\  
Data File : VN060495.D  
Acq On : 13 Mar 2020 12:25  
Operator : JC/MD  
Sample : VN0313WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM

Quant Time: Mar 16 08:31:12 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 | 14.91 | 180  | 48203    | 17.285 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 24034    | 18.323 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 144973   | 17.413 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 47218    | 17.801 | ug/l  | 100      |

(#) = 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: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion:168 Resp: 189634

Ion Ratio Lower Upper

168 100

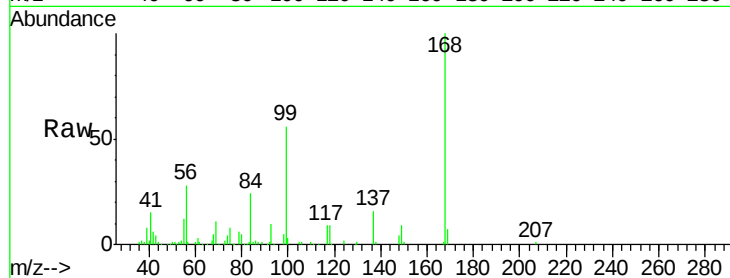
99 55.8 44.7 67.1

Manual Integrations

APPROVED

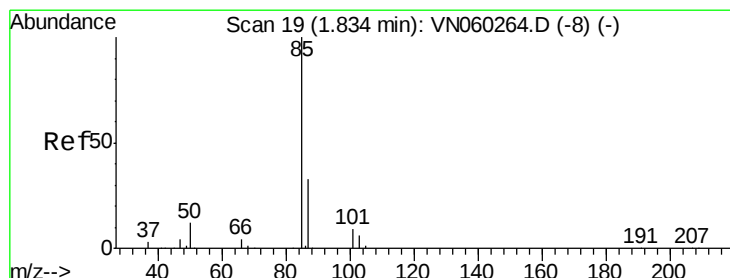
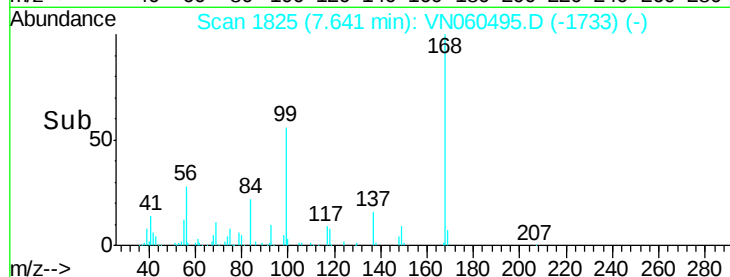
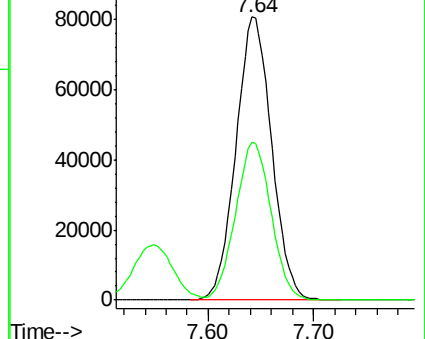
MMDadoda

3/16/2020 2:04:49 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.460 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060495.D

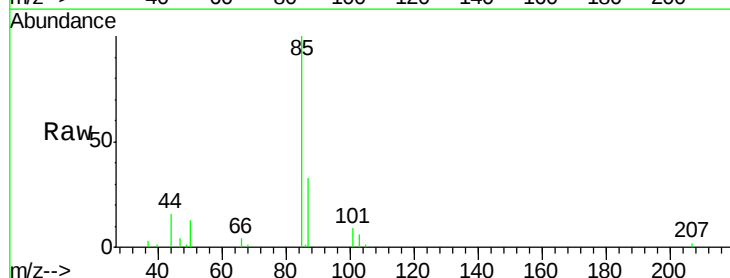
Acq: 13 Mar 2020 12:25

Tgt Ion: 85 Resp: 26879

Ion Ratio Lower Upper

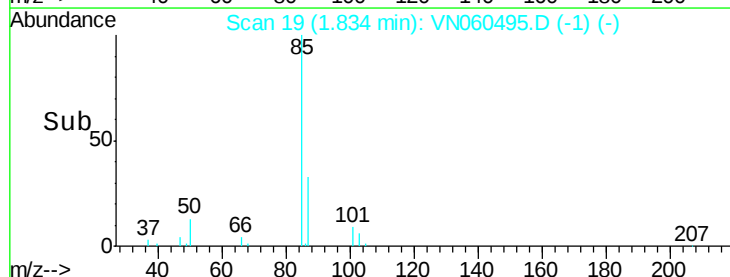
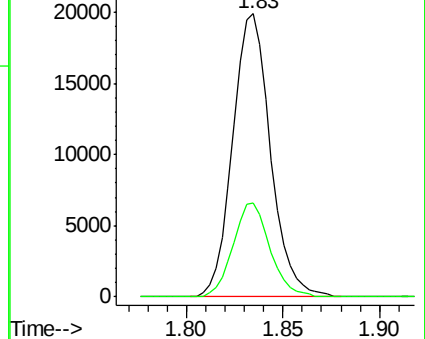
85 100

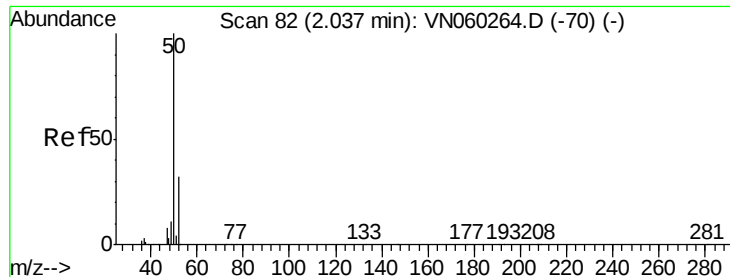
87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.176 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 50 Resp: 51994

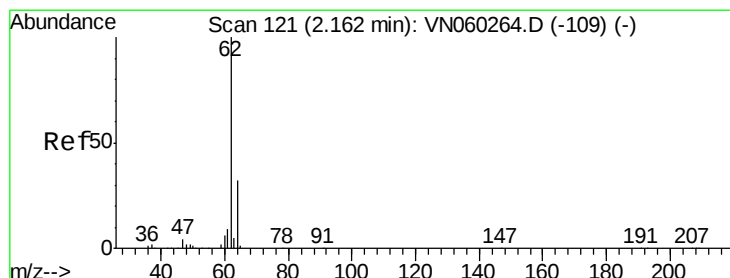
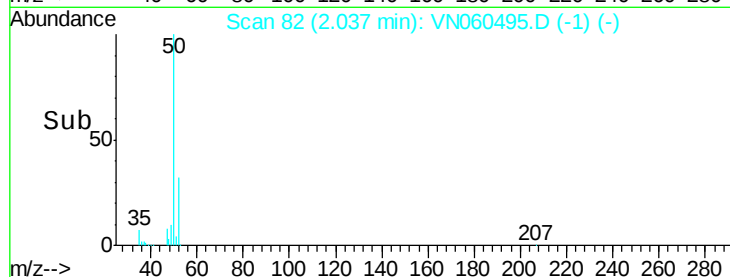
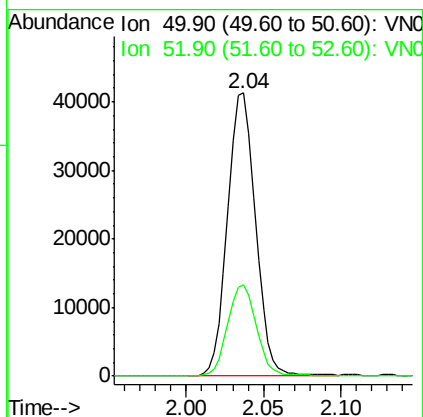
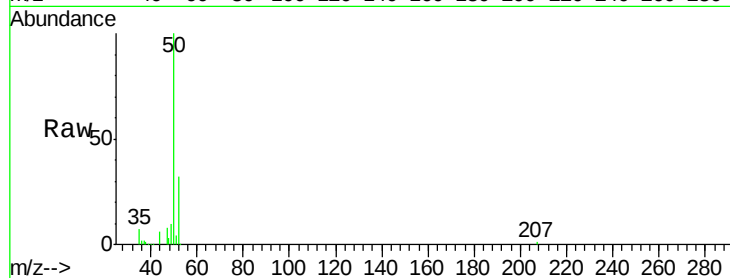
Ion Ratio Lower Upper

50 100

52 32.3 25.6 38.4

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#4

Vinyl Chloride

Concen: 16.407 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060495.D

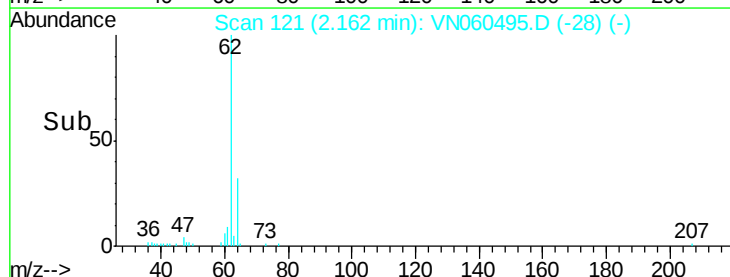
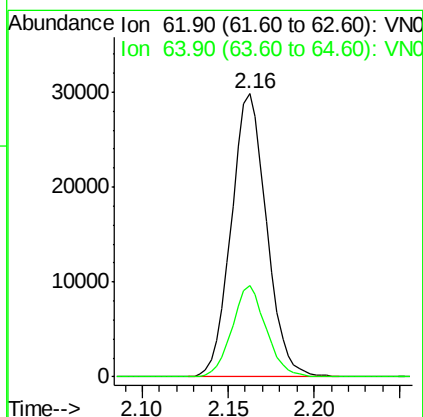
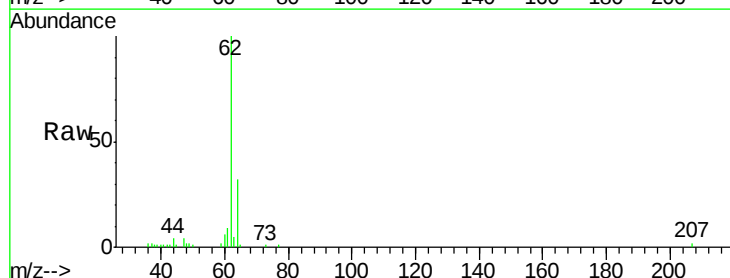
Acq: 13 Mar 2020 12:25

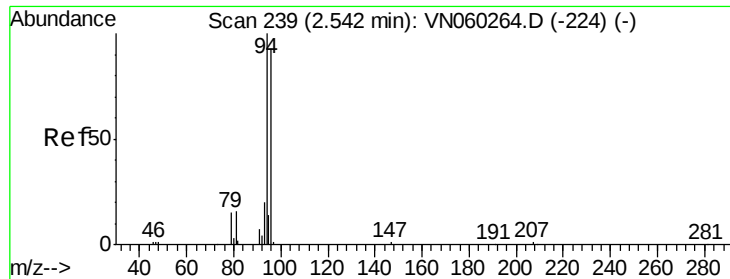
Tgt Ion: 62 Resp: 42592

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 16.358 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 94 Resp: 18783

Ion Ratio Lower Upper

94 100

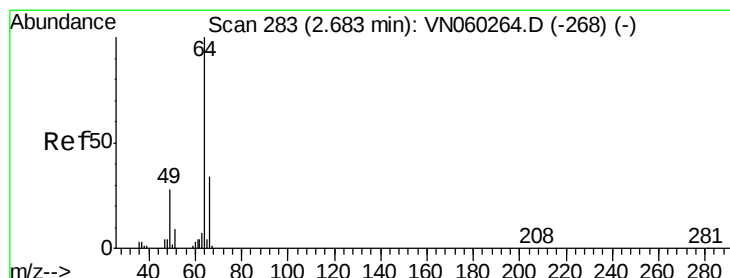
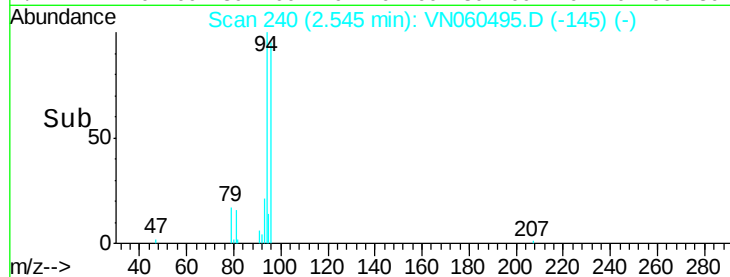
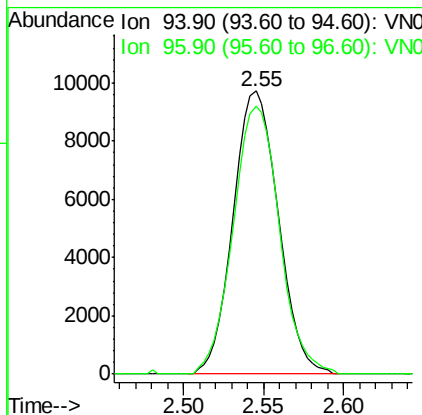
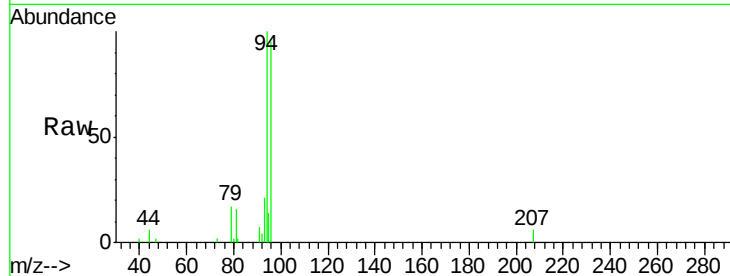
96 94.6 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

3/16/2020 2:04:49 PM



#6

Chloroethane

Concen: 17.814 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060495.D

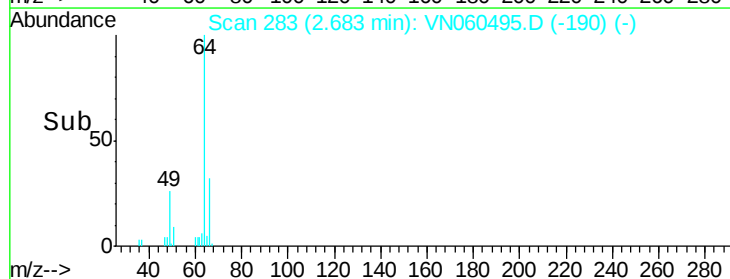
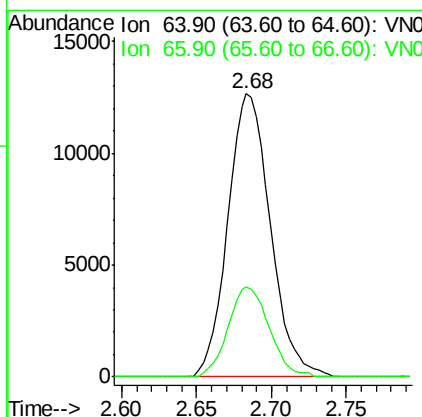
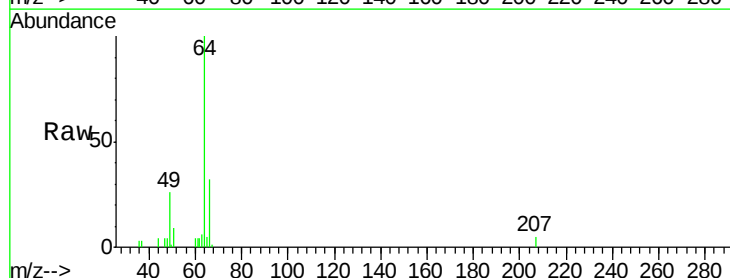
Acq: 13 Mar 2020 12:25

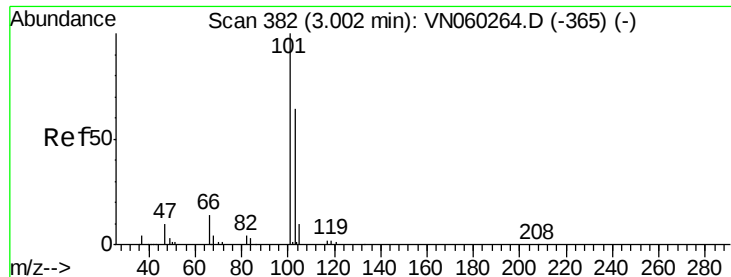
Tgt Ion: 64 Resp: 25057

Ion Ratio Lower Upper

64 100

66 32.0 27.4 41.2





#7

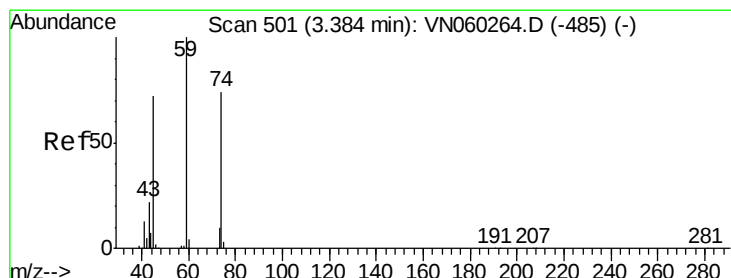
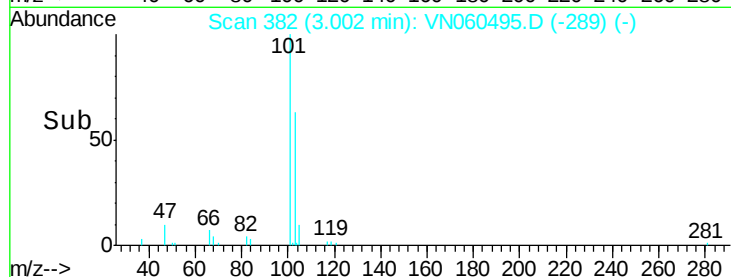
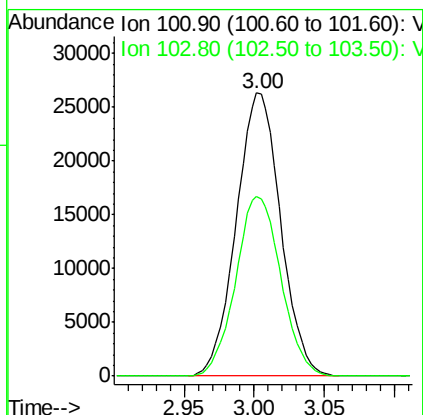
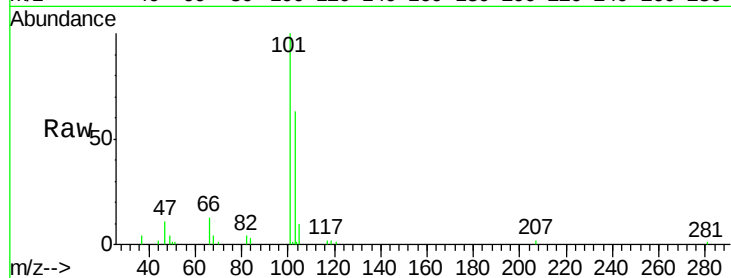
Trichlorofluoromethane  
Concen: 17.472 ug/l  
RT: 3.00 min Scan# 382  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 101     | 100  |       | 57951 |       |       |
| 103     | 63.5 | 51.3  | 76.9  |       |       |

Manual Integrations  
APPROVED

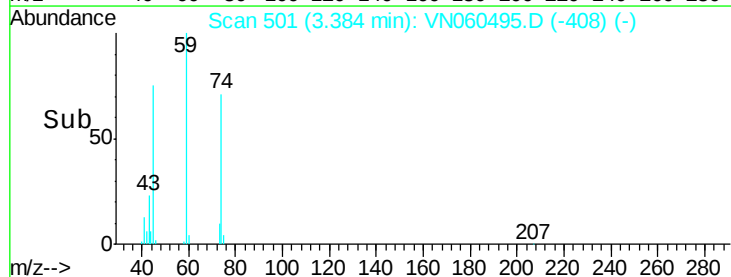
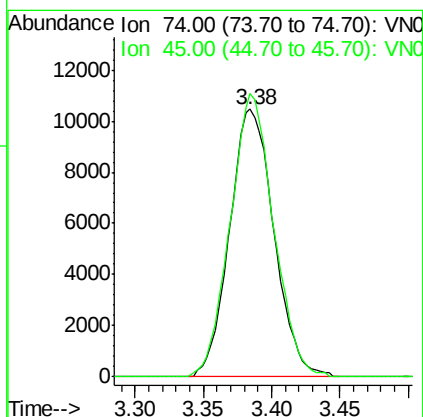
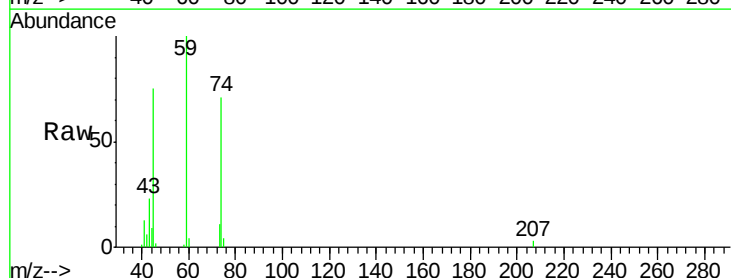
MMDadoda  
3/16/2020 2:04:49 PM

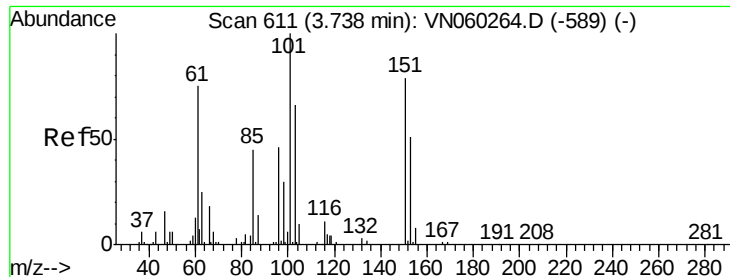


#8

Diethyl Ether  
Concen: 18.847 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 74      | 100   |       | 23603 |       |       |
| 45      | 103.5 | 49.5  | 148.7 |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.549 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

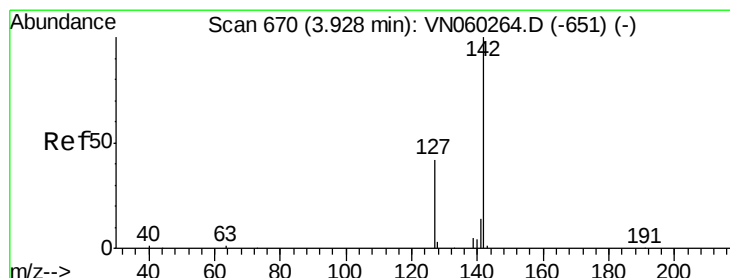
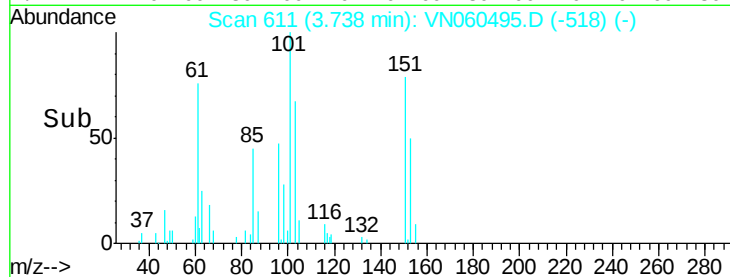
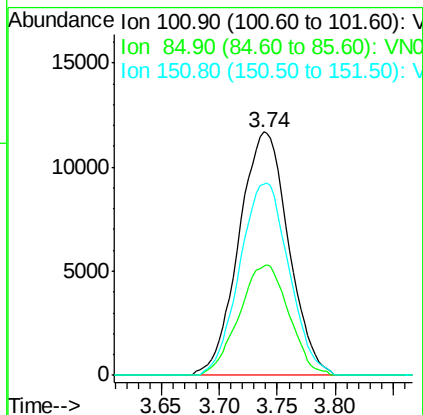
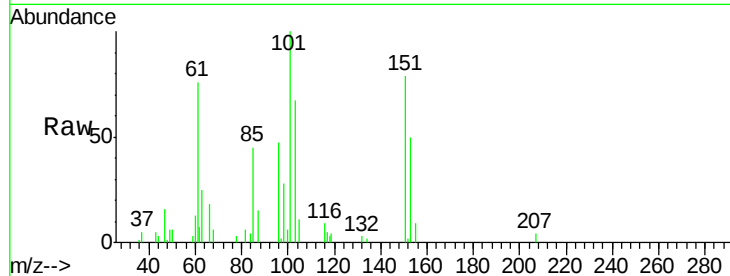
ClientSampleId :

VN0313WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 34818 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.4  | 35.4  | 53.2  |
| 151       | 78.4  | 62.0  | 93.0  |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#10

Methyl Iodide

Concen: 14.291 ug/l

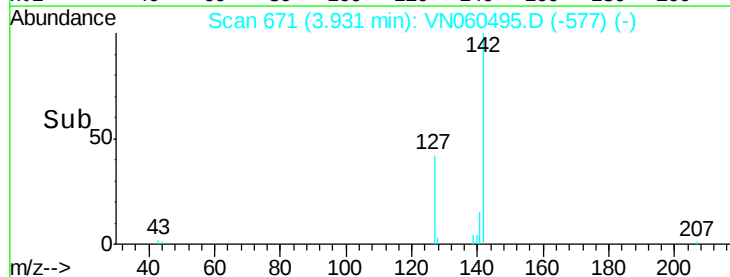
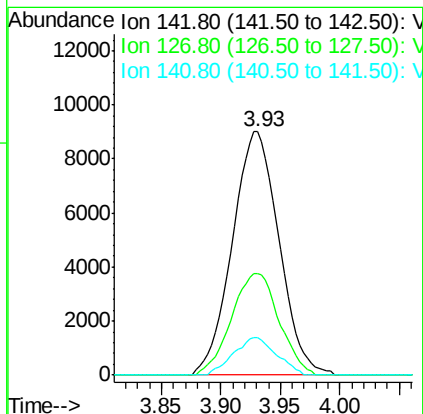
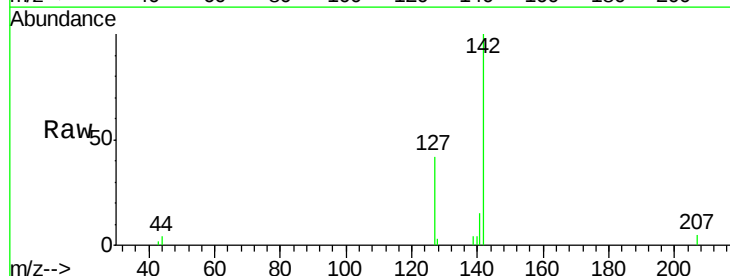
RT: 3.93 min Scan# 671

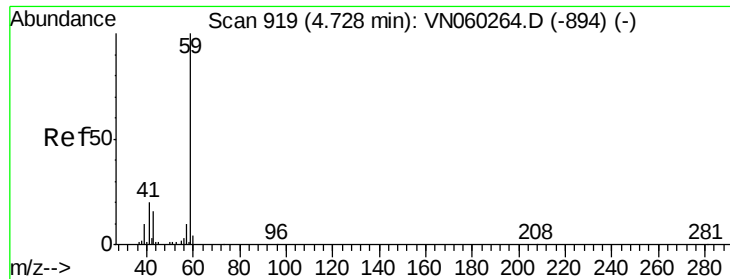
Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 24483 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.5  | 33.8  | 50.6  |
| 141       | 14.2  | 11.1  | 16.7  |





#11

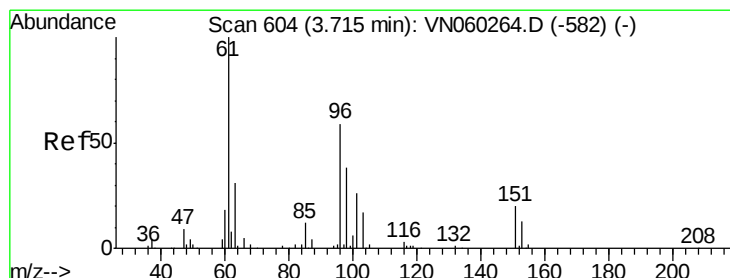
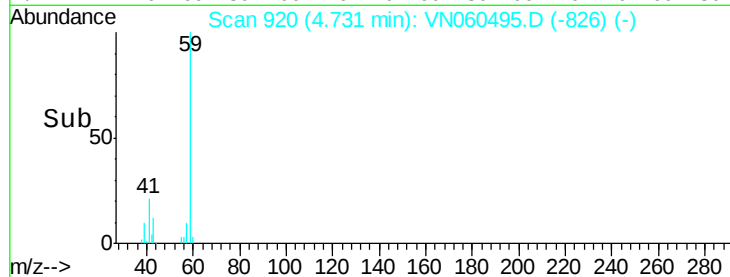
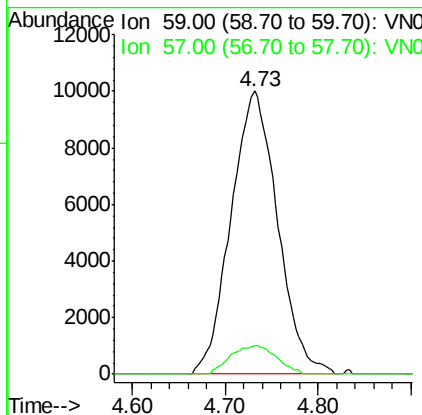
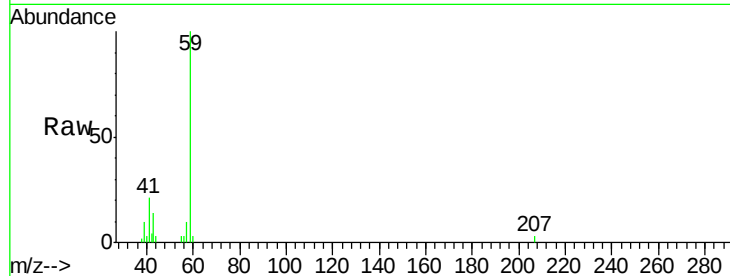
Tert butyl alcohol  
Concen: 96.514 ug/l  
RT: 4.73 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0313WBSD01

| Tot Ion | 59 | 57 | Ratio | 100 | 10.0 | Resp | 34868 | Lower | 8.2 | Upper | 12.2 |
|---------|----|----|-------|-----|------|------|-------|-------|-----|-------|------|
| Ion     | 59 | 57 | Ratio | 100 | 10.0 | Resp | 34868 | Lower | 8.2 | Upper | 12.2 |

Manual Integrations  
APPROVED

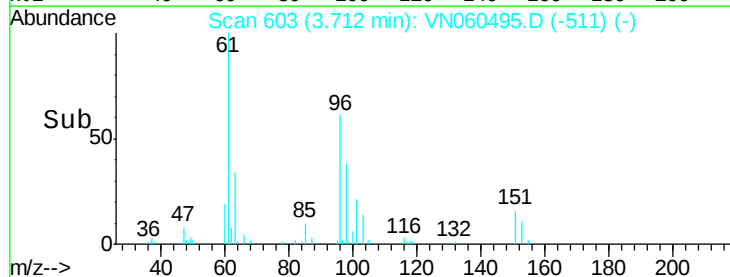
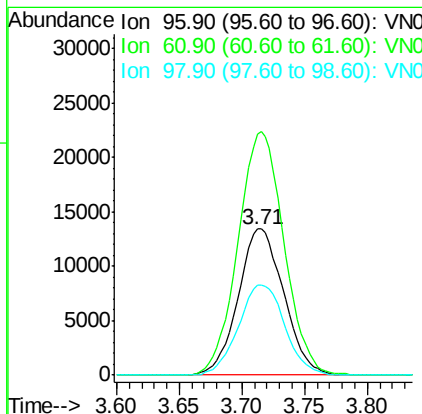
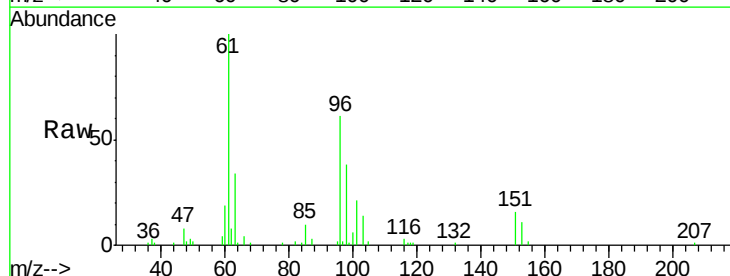
MMDadoda  
3/16/2020 2:04:49 PM

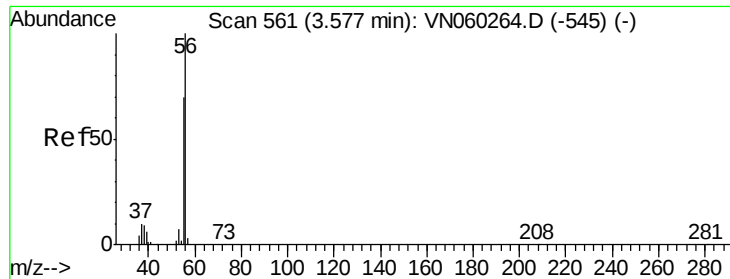


#12

1,1-Dichloroethene  
Concen: 18.493 ug/l  
RT: 3.71 min Scan# 603  
Delta R.T. -0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 165.2 | 62.0 | Resp | 33781 | Lower | 135.4 | 51.6 | Upper | 203.0 | 77.4 |
|---------|----|----|----|-------|-----|-------|------|------|-------|-------|-------|------|-------|-------|------|
| Ion     | 96 | 61 | 98 | Ratio | 100 | 165.2 | 62.0 | Resp | 33781 | Lower | 135.4 | 51.6 | Upper | 203.0 | 77.4 |





#13

Acrolein

Concen: 99.580 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 56 Resp: 33562

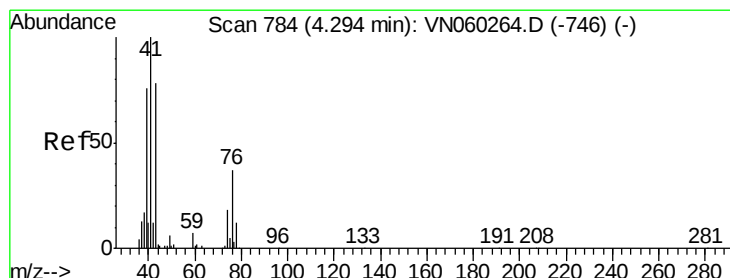
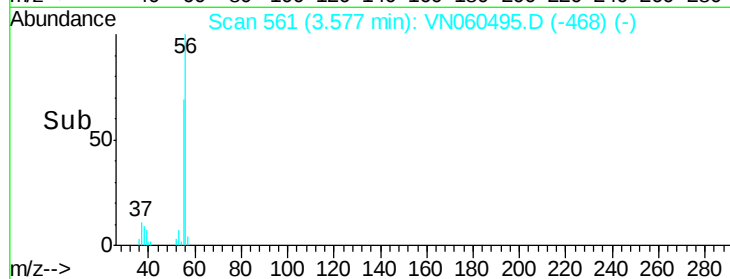
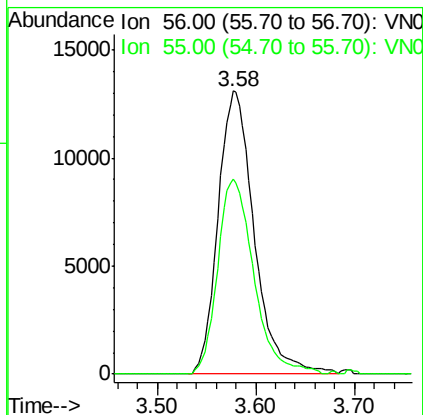
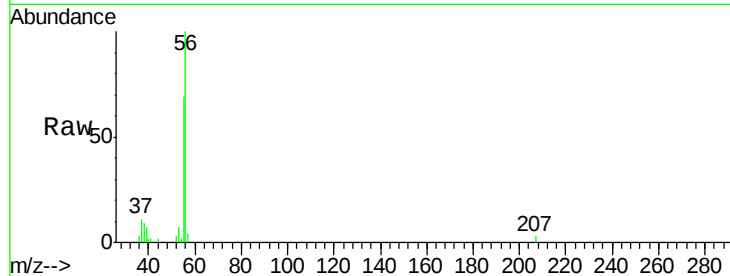
Ion Ratio Lower Upper

56 100

55 69.0 57.4 86.0

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#14

Allyl chloride

Concen: 18.539 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

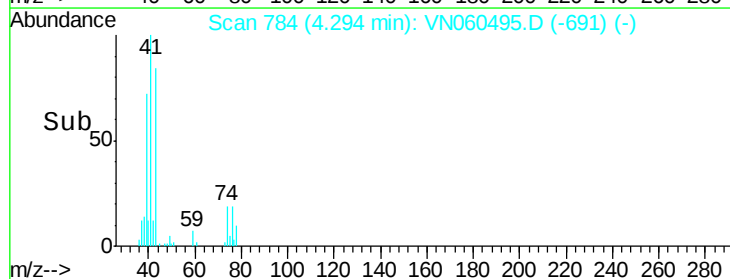
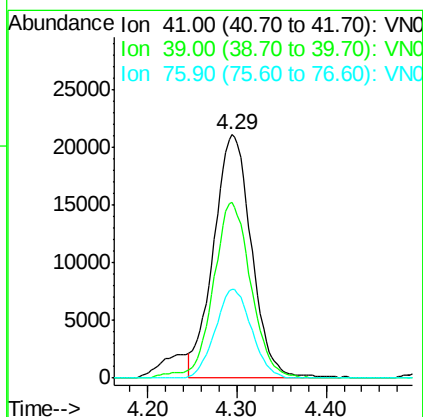
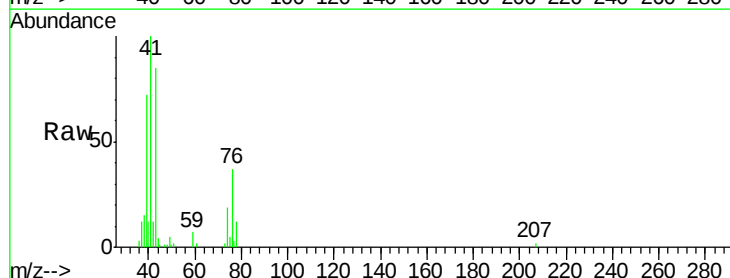
Tgt Ion: 41 Resp: 62276

Ion Ratio Lower Upper

41 100

39 70.6 55.4 83.2

76 34.8 27.0 40.6





#15

Acrylonitrile

Concen: 108.158 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

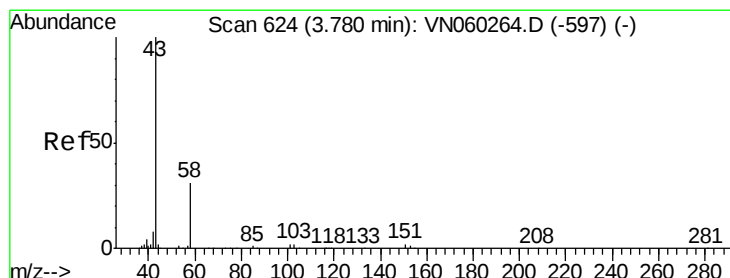
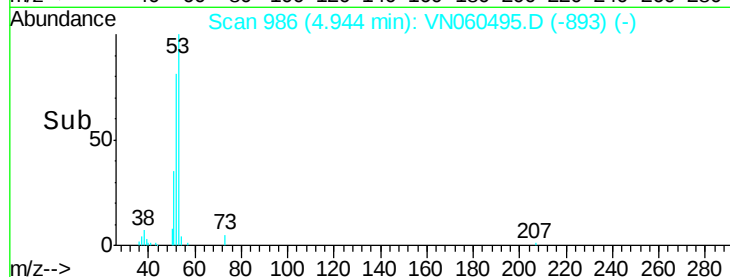
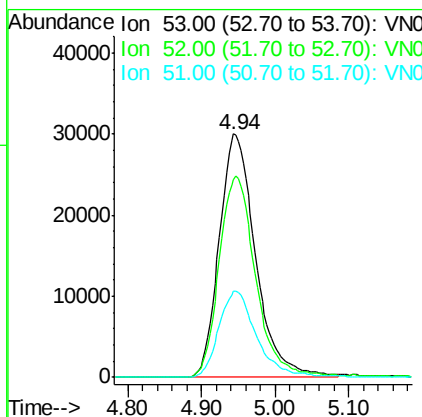
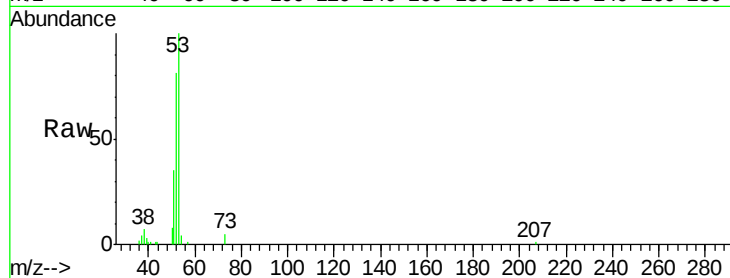
ClientSampleId :

VN0313WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 102993 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.6  | 66.8  | 100.2  |
| 51       | 36.5  | 29.0  | 43.6   |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#16

Acetone

Concen: 109.572 ug/l

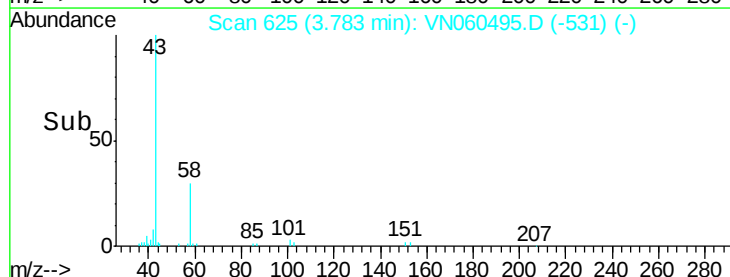
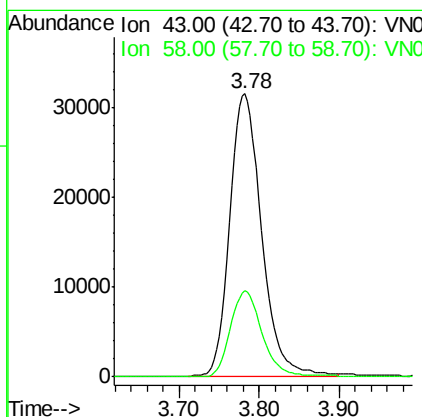
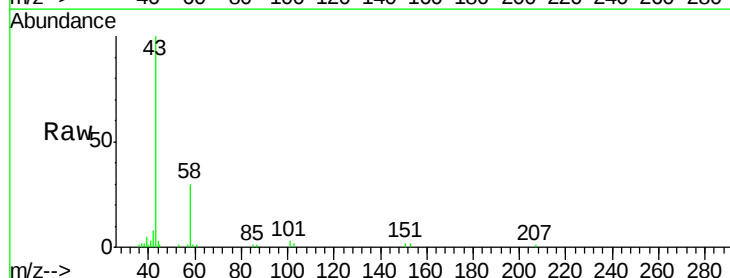
RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 86091 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.3  | 24.6  | 36.8  |





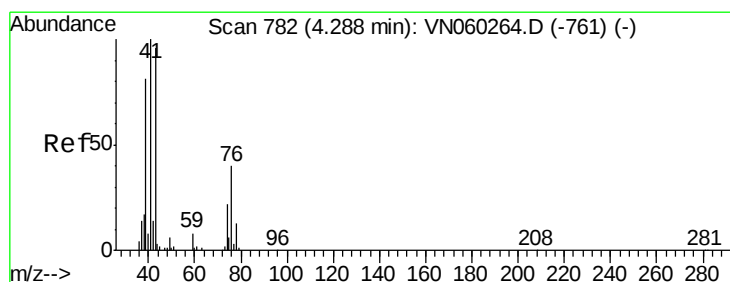
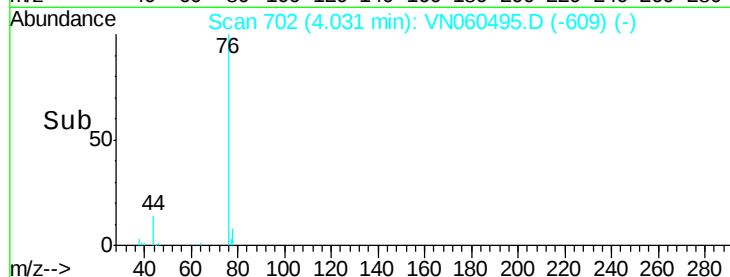
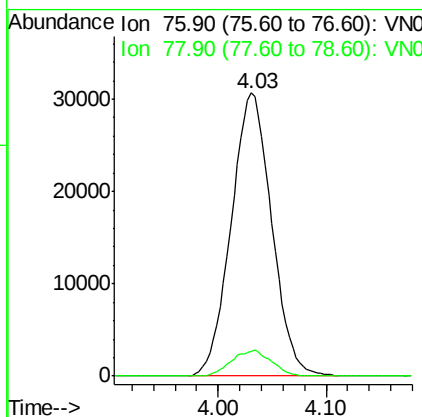
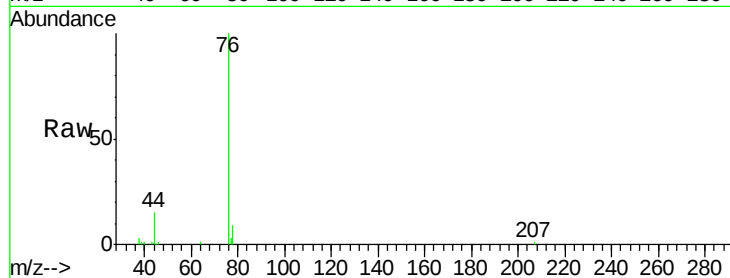
#17  
Carbon Disulfide  
Concen: 16.085 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.4   | 11.0  |

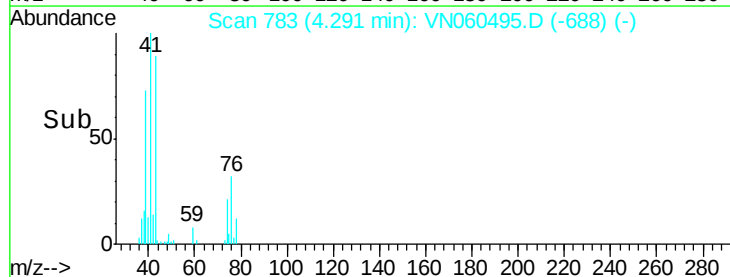
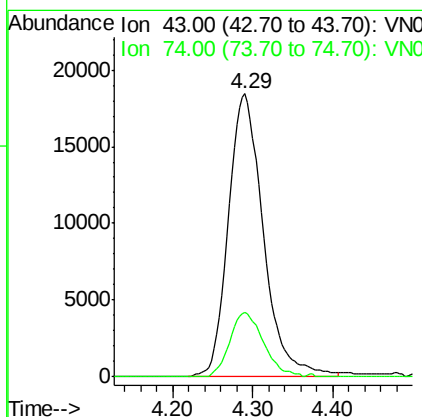
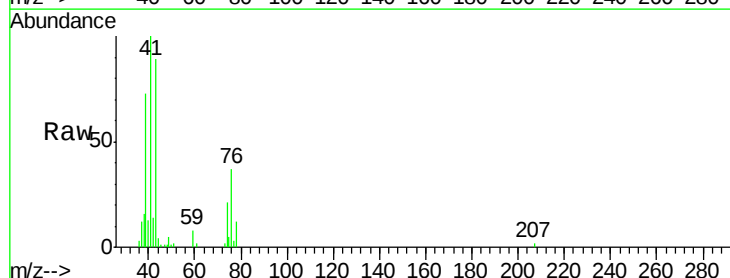
Manual Integrations  
APPROVED

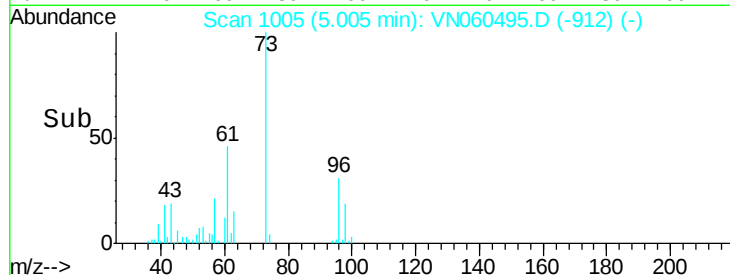
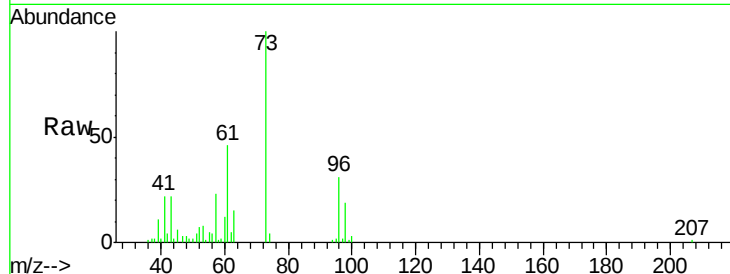
MMDadoda  
3/16/2020 2:04:49 PM



#18  
Methyl Acetate  
Concen: 21.022 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.8  | 18.8  | 28.2  |





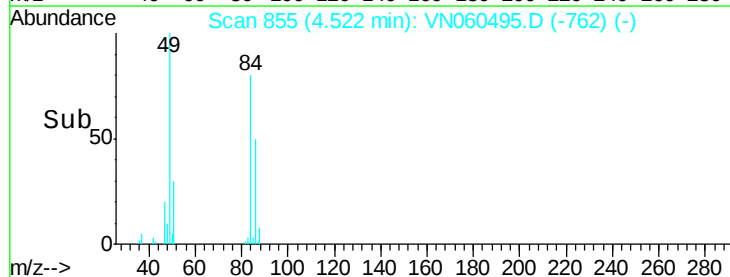
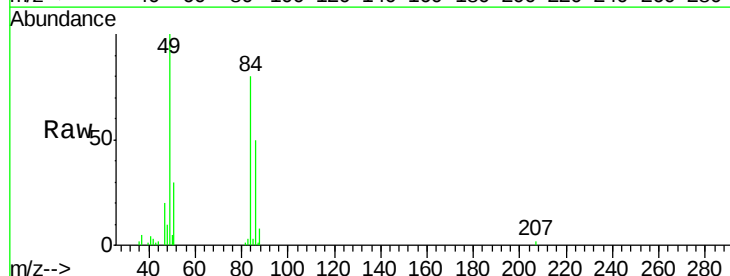
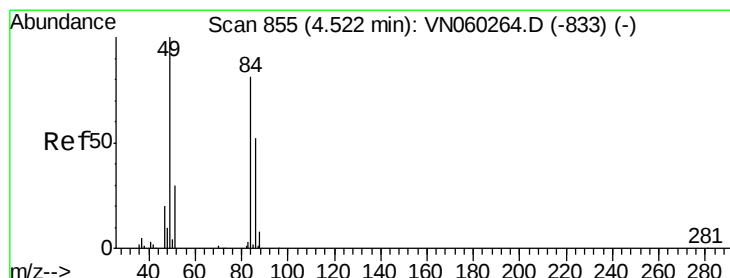
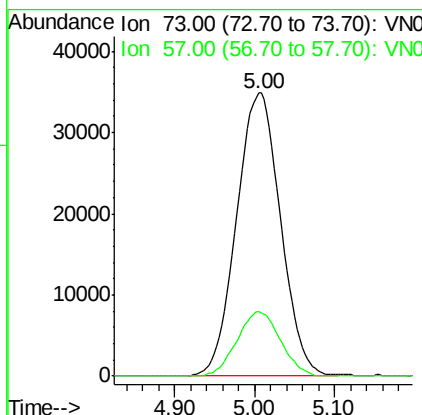
#19  
Methvl tert-butvl Ether  
Concen: 19.781 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tot Ion   | 73   | Resp  | 130846 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 73        | 100  |       |        |
| 57        | 22.8 | 17.3  | 25.9   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

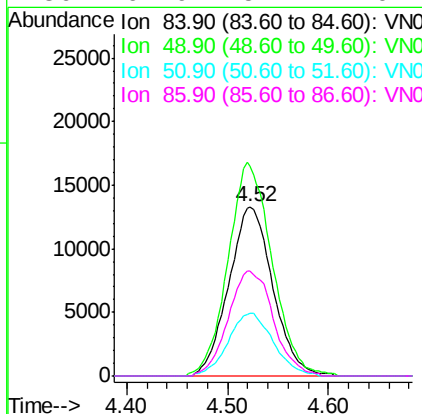
Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#20  
Methylene Chloride  
Concen: 18.702 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion   | 84    | Resp  | 40355 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 84        | 100   |       |       |
| 49        | 124.3 | 99.3  | 148.9 |
| 51        | 37.2  | 30.1  | 45.1  |
| 86        | 61.9  | 51.1  | 76.7  |





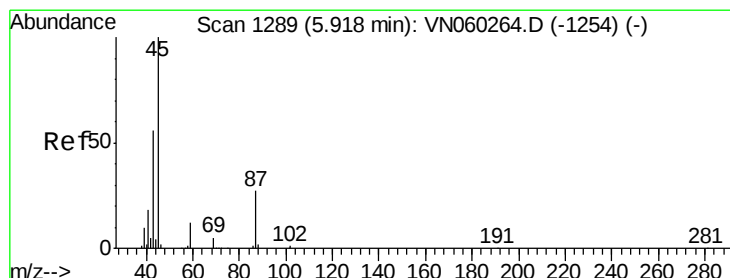
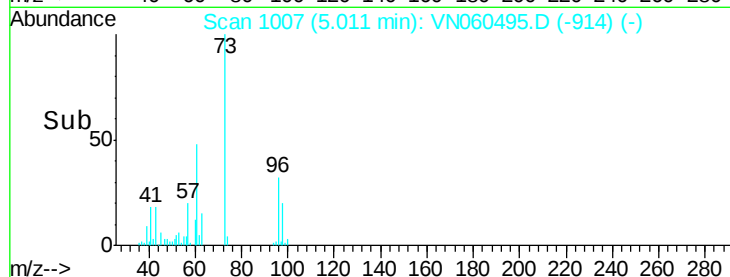
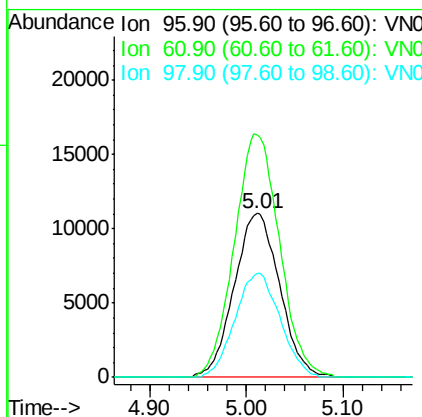
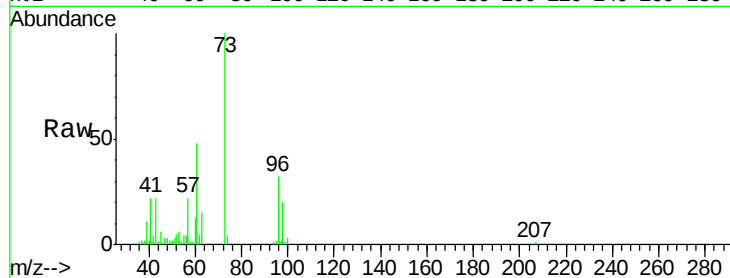
#21  
trans-1,2-Dichloroethene  
Concen: 18.152 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.3 | 113.8 | 170.8 |
| 98      | 63.3  | 48.8  | 73.2  |

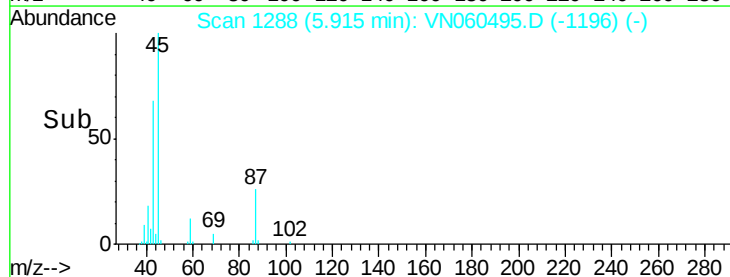
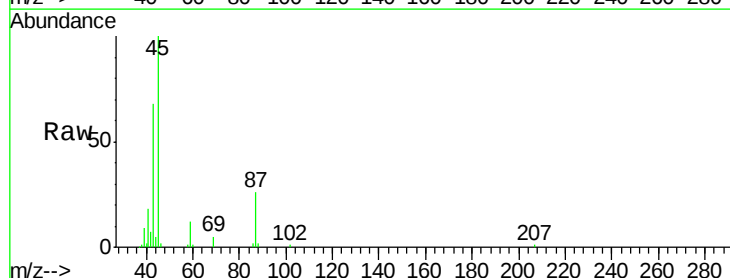
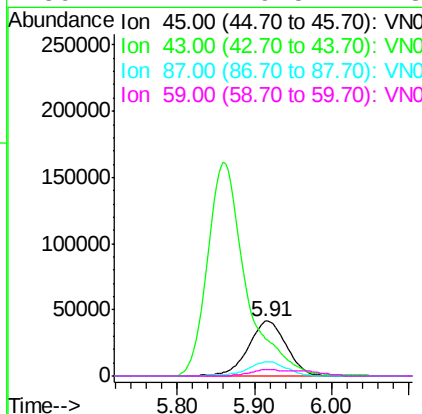
Manual Integrations  
APPROVED

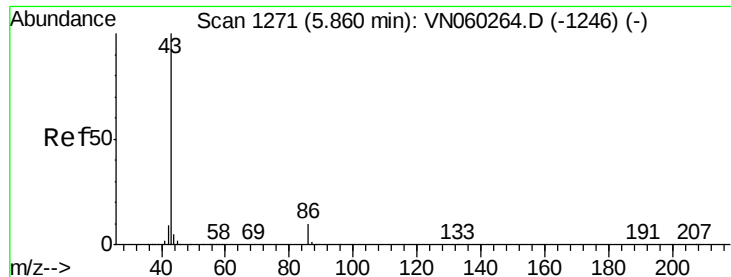
MMDadoda  
3/16/2020 2:04:49 PM



#22  
Diisopropyl ether  
Concen: 20.916 ug/l  
RT: 5.91 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 66.2  | 48.6  | 72.8  |
| 87      | 25.9  | 22.2  | 33.2  |
| 59      | 12.1  | 9.5   | 14.3  |





#23

Vinyl Acetate

Concen: 102.963 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 43 Resp: 556703

Ion Ratio Lower Upper

43 100

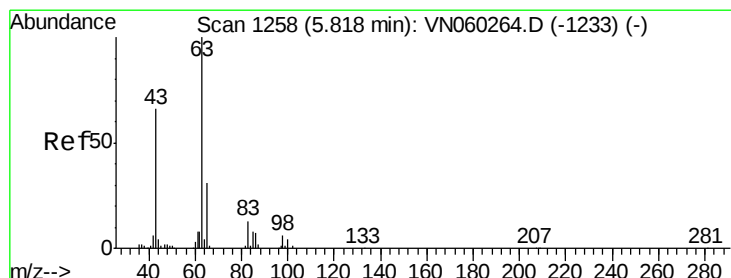
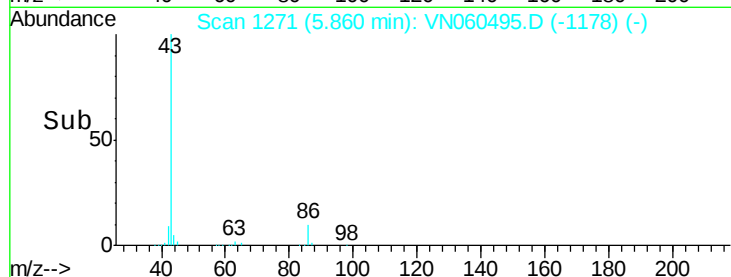
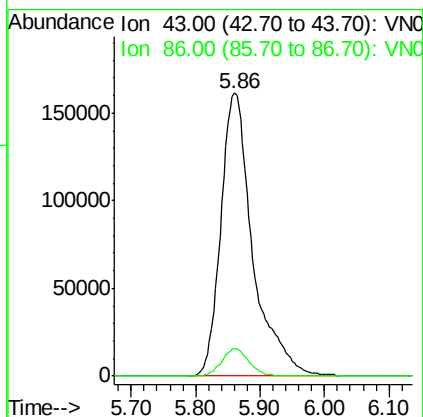
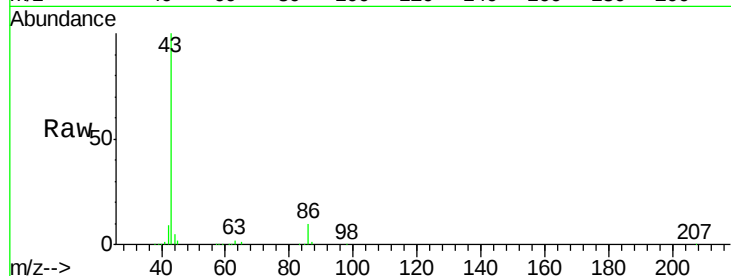
86 9.7 8.0 12.0

Manual Integrations

APPROVED

MMDadoda

3/16/2020 2:04:49 PM



#24

1,1-Dichloroethane

Concen: 20.001 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

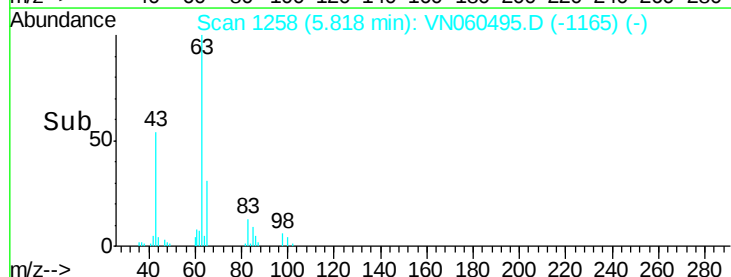
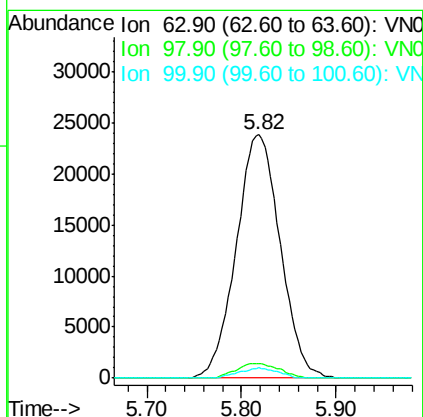
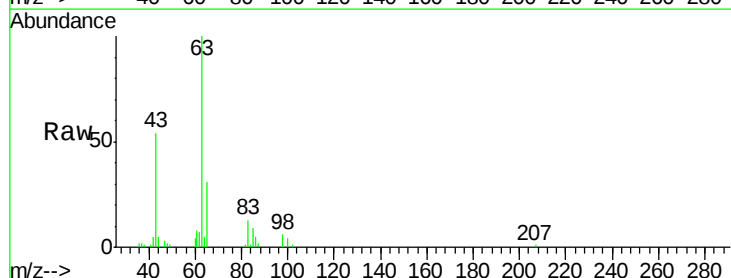
Tgt Ion: 63 Resp: 77037

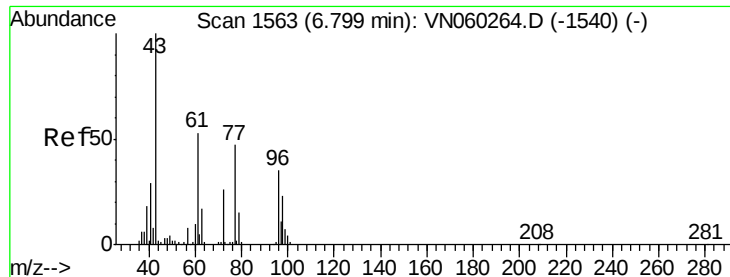
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 109.909 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 43 Resp: 139485

Ion Ratio Lower Upper

43 100

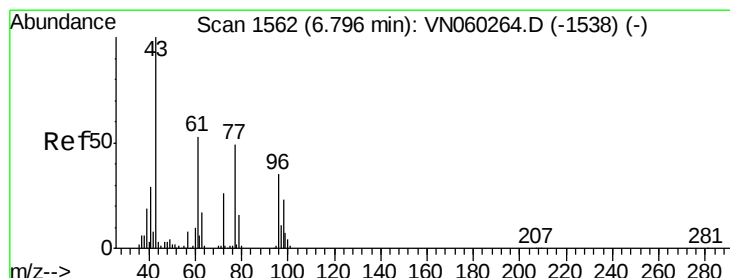
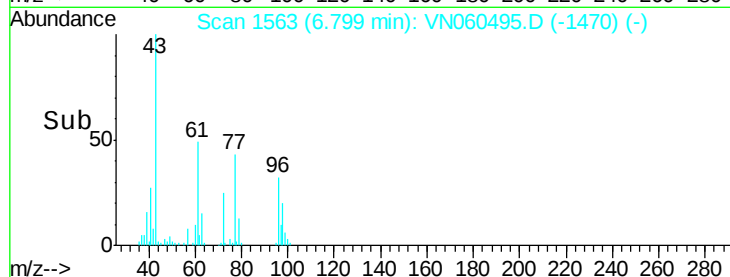
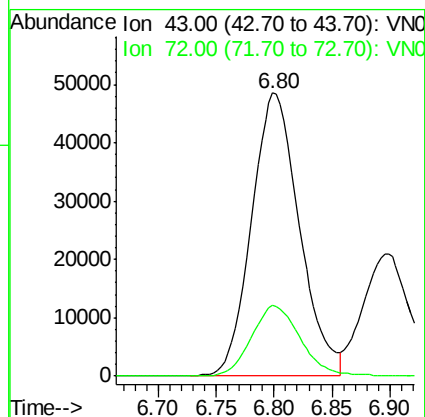
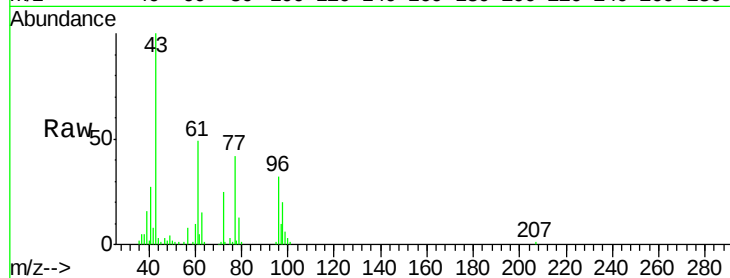
72 25.0 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/16/2020 2:04:49 PM



#26

2,2-Dichloropropane

Concen: 19.121 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060495.D

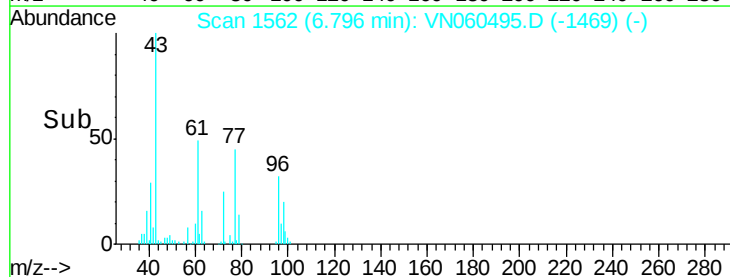
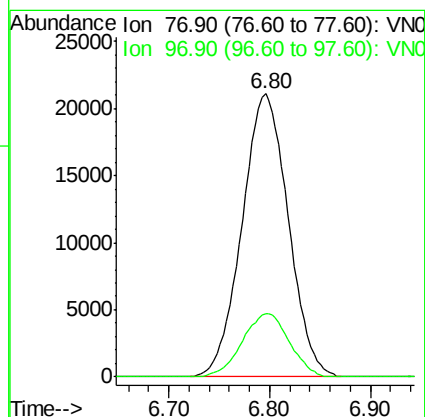
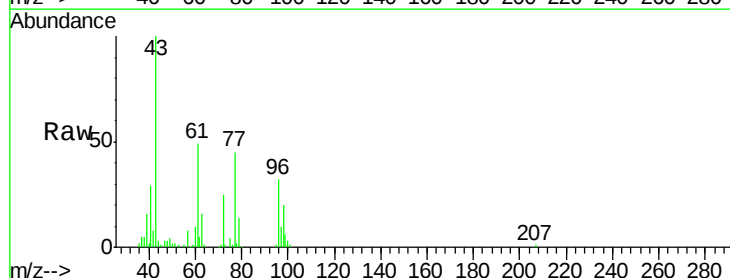
Acq: 13 Mar 2020 12:25

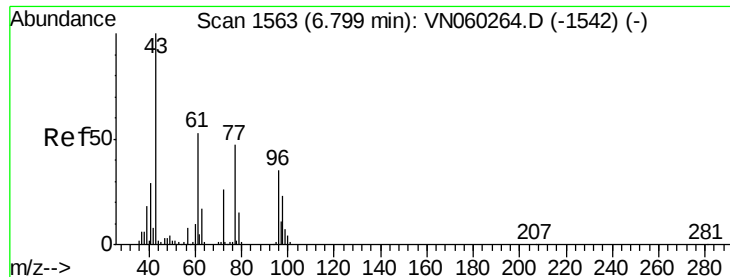
Tgt Ion: 77 Resp: 67045

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.846 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

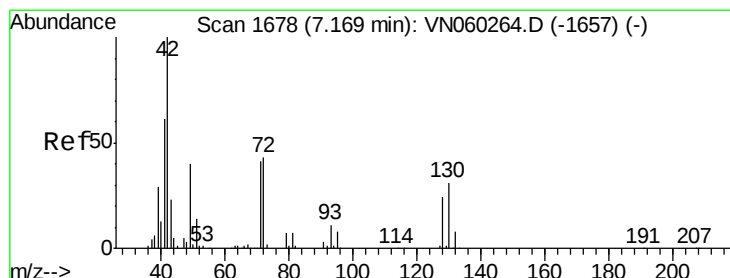
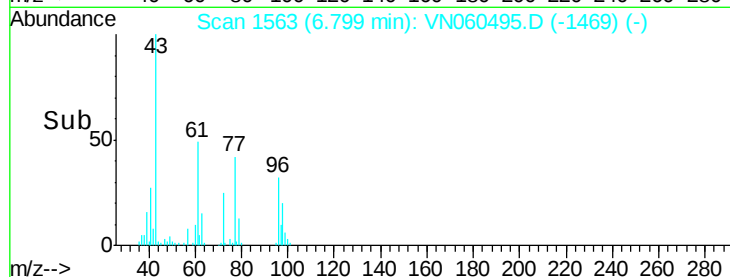
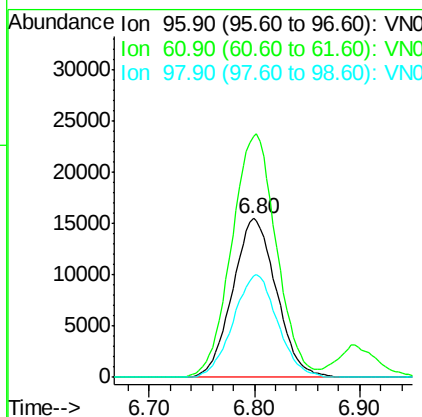
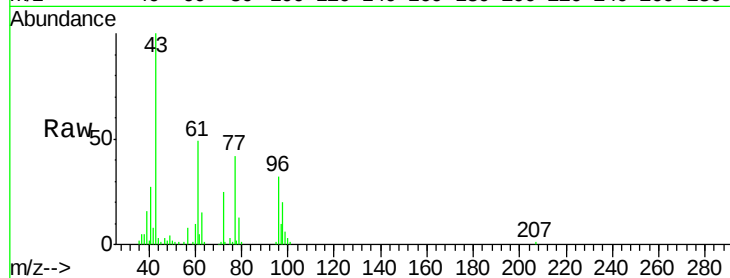
ClientSampleId :

VN0313WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 44653 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 156.3 | 0.0   | 300.8 |
| 98       | 65.3  | 0.0   | 128.2 |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#28

Bromochloromethane

Concen: 20.530 ug/l

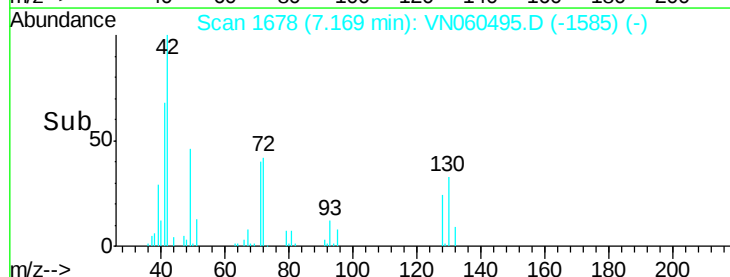
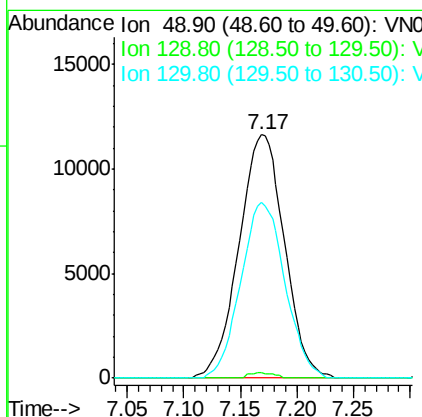
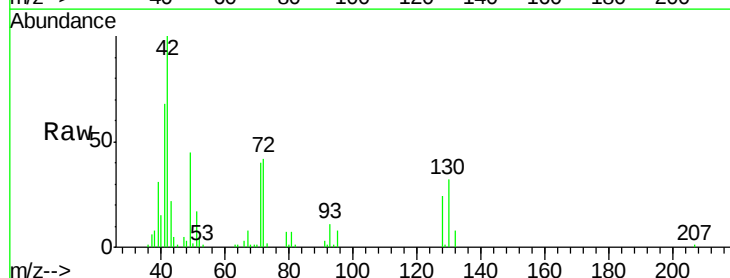
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 32466 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.2   | 0.0   | 3.8   |
| 130      | 70.3  | 59.8  | 89.8  |





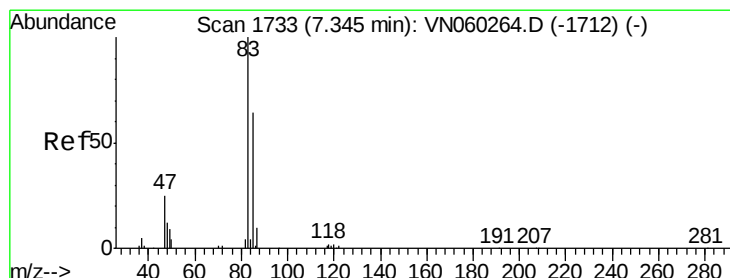
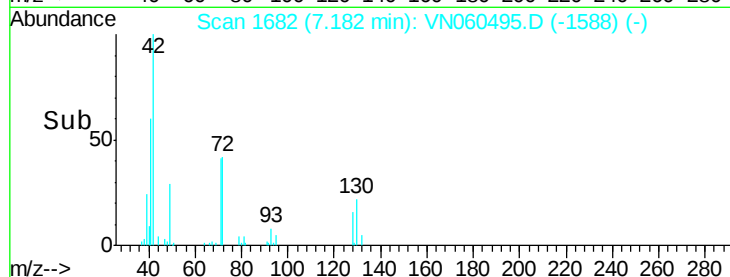
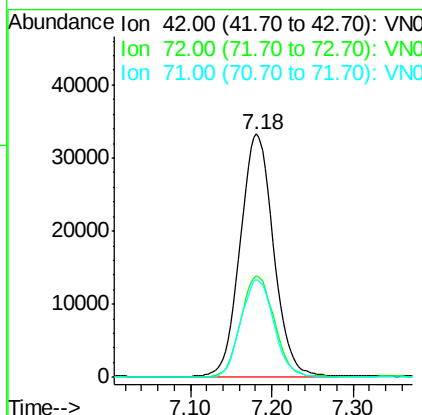
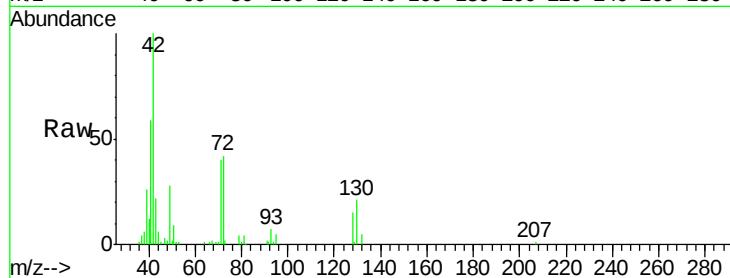
#29  
Tetrahydrofuran  
Concen: 107.426 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.7  | 34.6  | 52.0  |
| 71      | 39.4  | 32.9  | 49.3  |

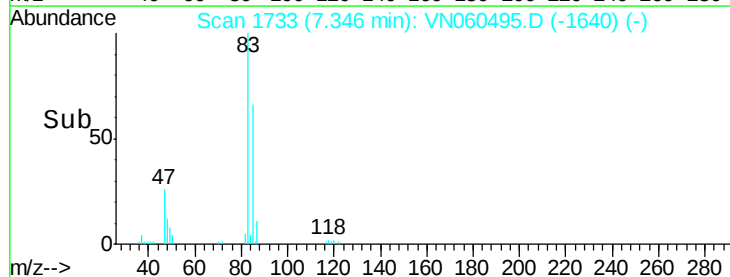
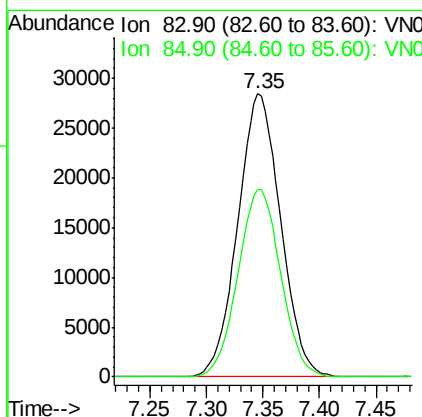
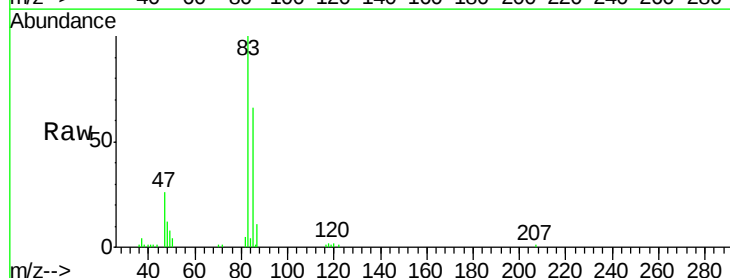
Manual Integrations  
APPROVED

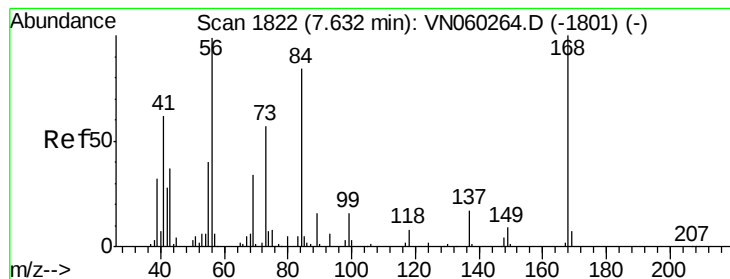
MMDadoda  
3/16/2020 2:04:49 PM



#30  
Chloroform  
Concen: 19.540 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.4  | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 19.333 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

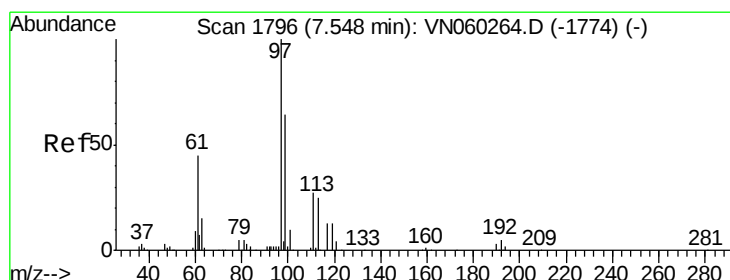
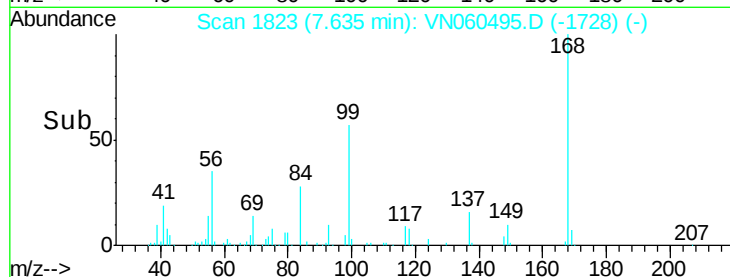
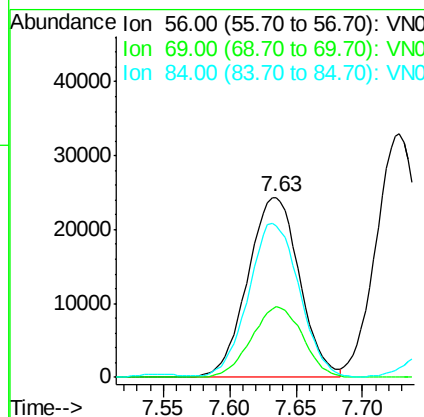
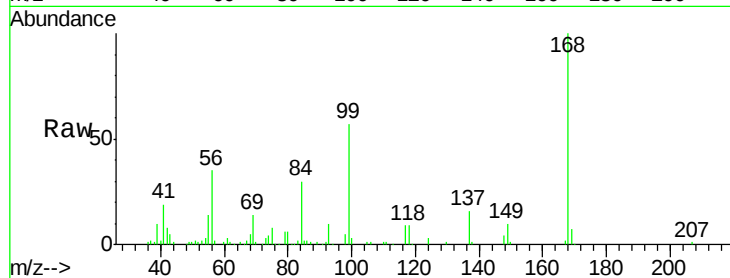
ClientSampled :

VN0313WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 66246 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 39.3  | 27.2  | 40.8  |
| 84       | 83.2  | 66.7  | 100.1 |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#32

1,1,1-Trichloroethane

Concen: 18.920 ug/l

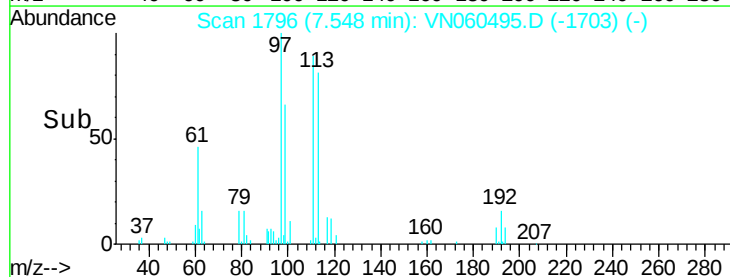
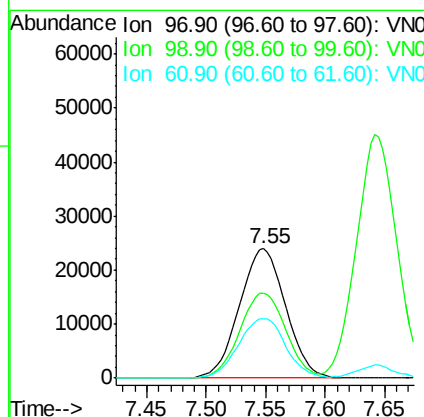
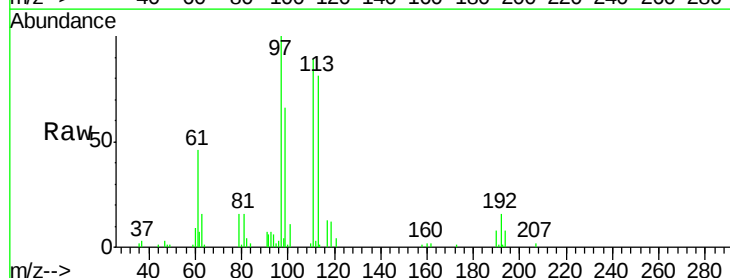
RT: 7.55 min Scan# 1796

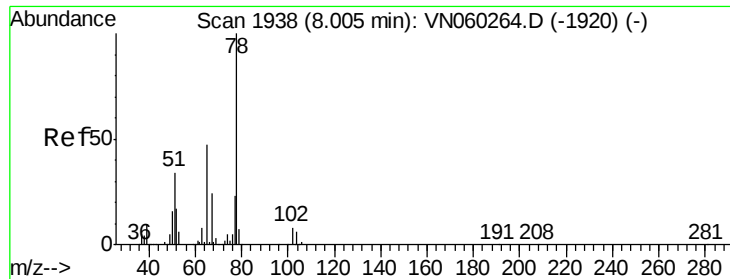
Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 64274 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 66.1  | 51.4  | 77.0  |
| 61       | 46.7  | 36.6  | 55.0  |





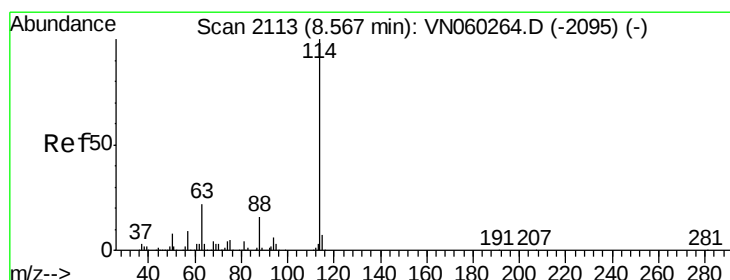
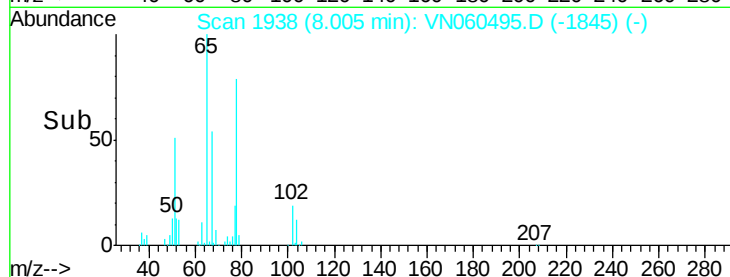
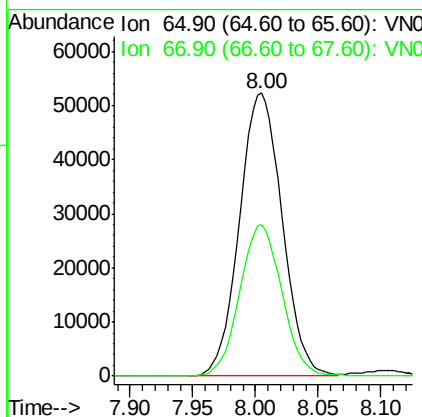
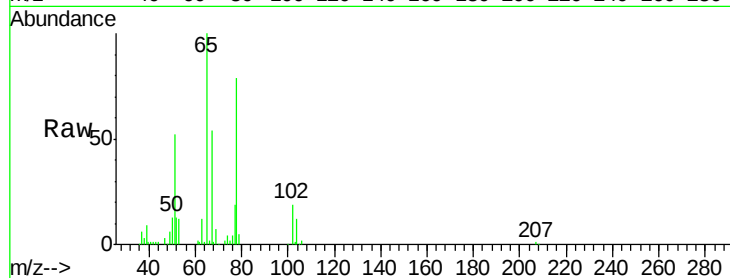
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.775 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0313WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 52.7  | 0.0  | 103.8 |       |

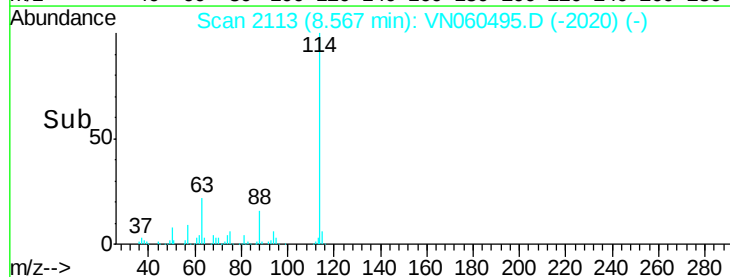
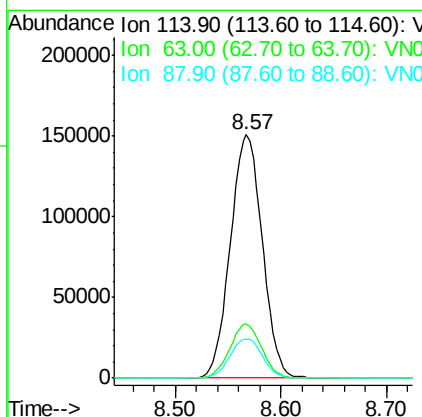
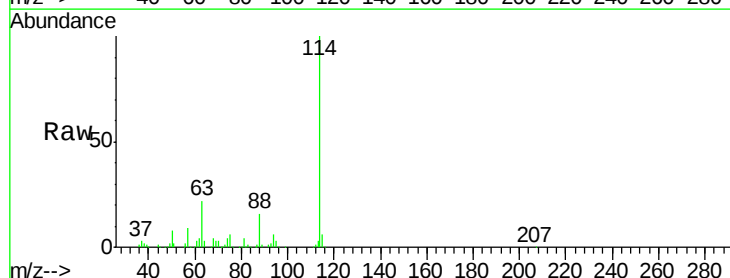
Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 2:04:49 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 22.2  | 0.0  | 43.2  |       |
| 88      | 16.2  | 0.0  | 31.6  |       |





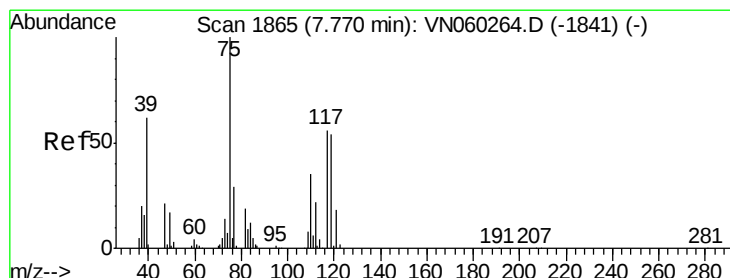
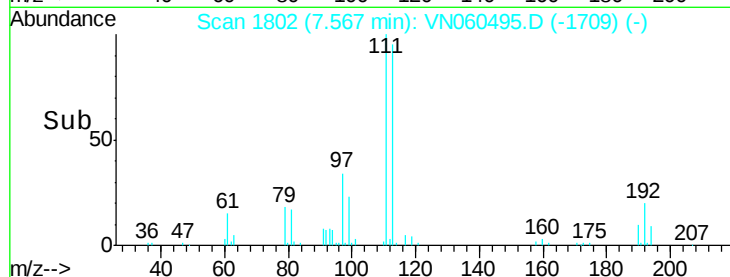
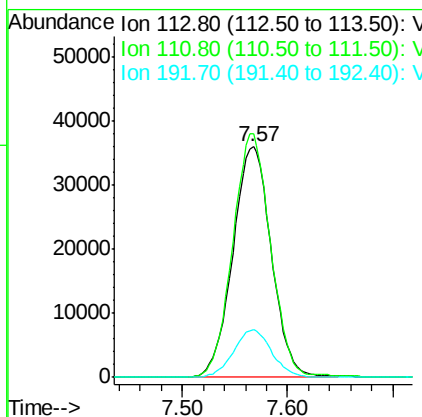
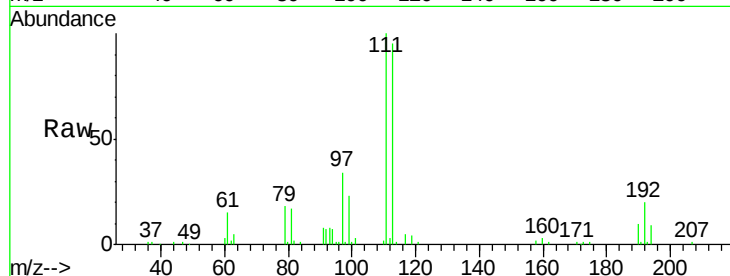
#35  
Dibromofluoromethane  
Concen: 61.843 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.1 | 82.4  | 123.6 |
| 192     | 20.3  | 16.2  | 24.2  |

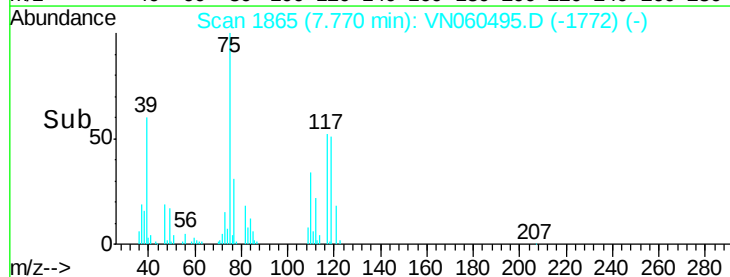
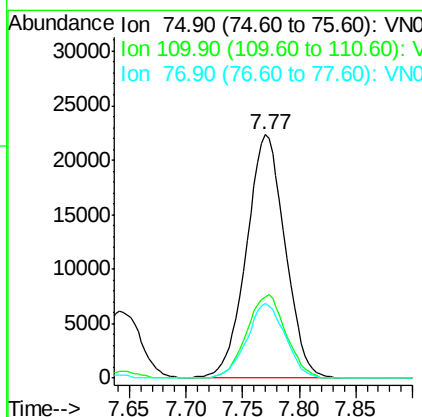
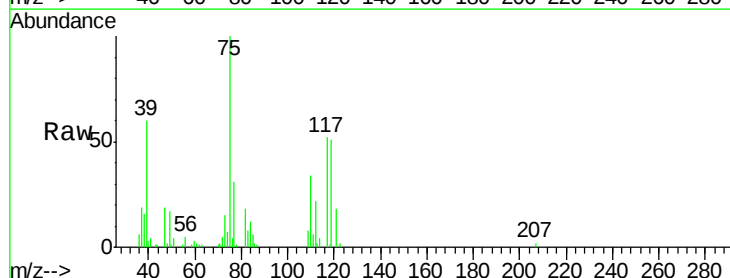
Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#36  
1,1-Dichloropropene  
Concen: 17.562 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.7  | 17.3  | 52.0  |
| 77      | 30.2  | 24.2  | 36.2  |





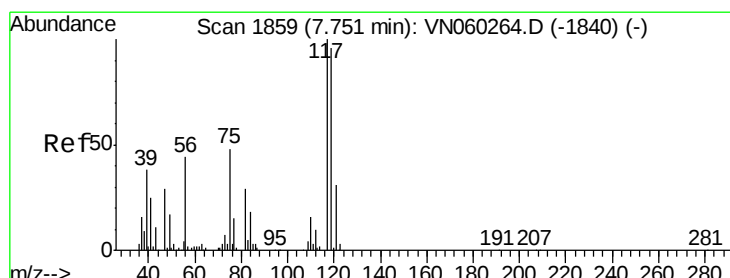
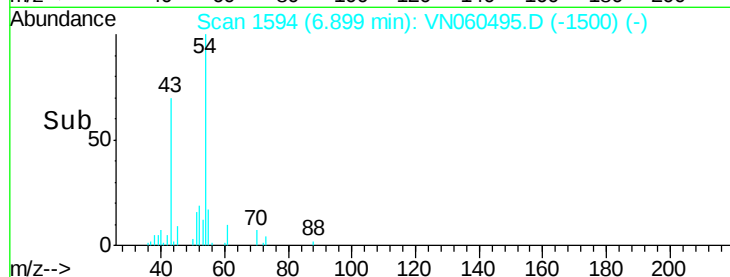
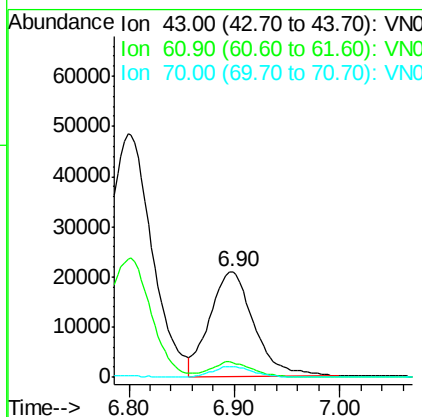
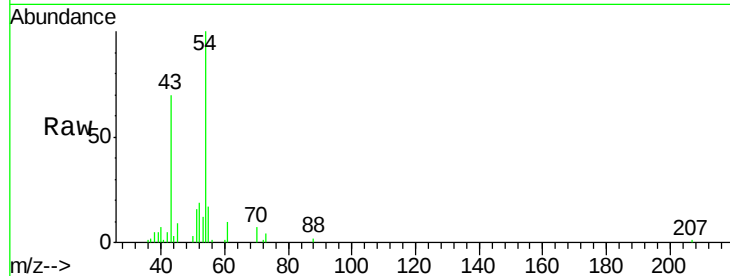
#37  
Ethyl Acetate  
Concen: 21.099 ug/l  
RT: 6.90 min Scan# 1594  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.9  | 11.1  | 16.7  |
| 70      | 9.7   | 8.4   | 12.6  |

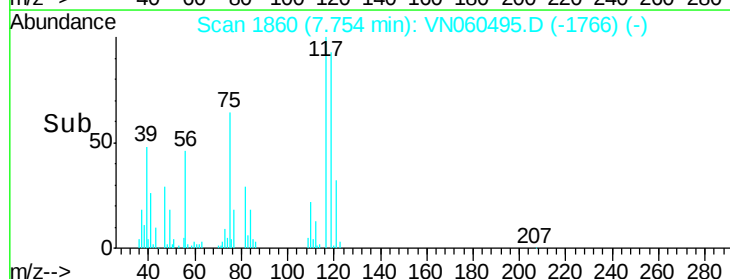
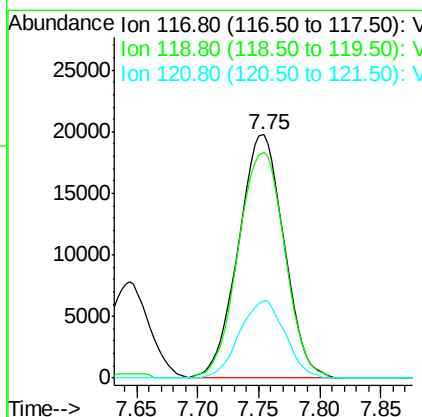
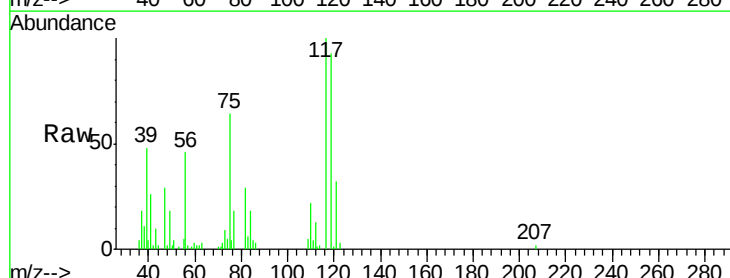
Manual Integrations  
APPROVED

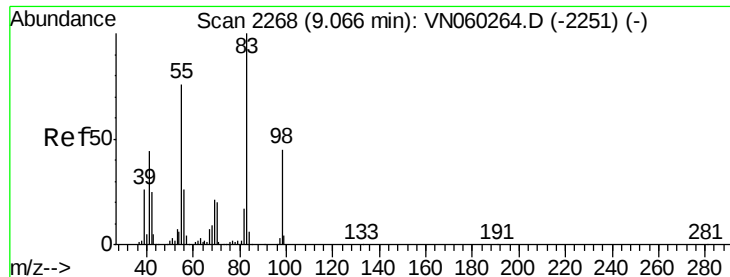
MMDadoda  
3/16/2020 2:04:49 PM



#38  
Carbon Tetrachloride  
Concen: 17.374 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 92.7  | 76.7  | 115.1 |
| 121     | 31.9  | 24.5  | 36.7  |





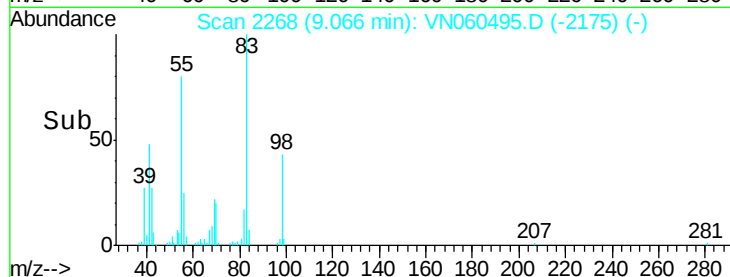
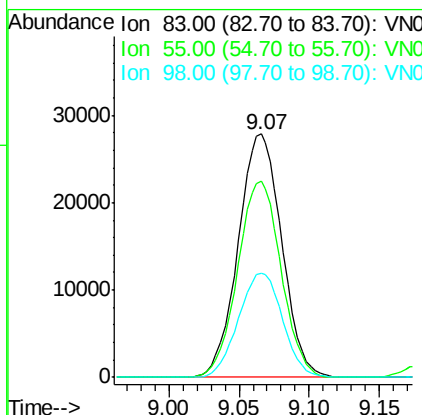
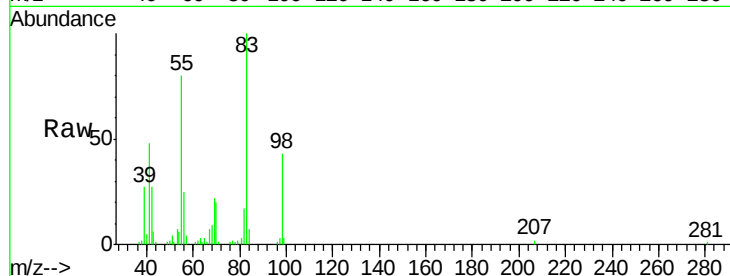
#39  
Methvlcvclohexane  
Concen: 16.861 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.4  | 61.0  | 91.4  |
| 98      | 42.9  | 36.1  | 54.1  |

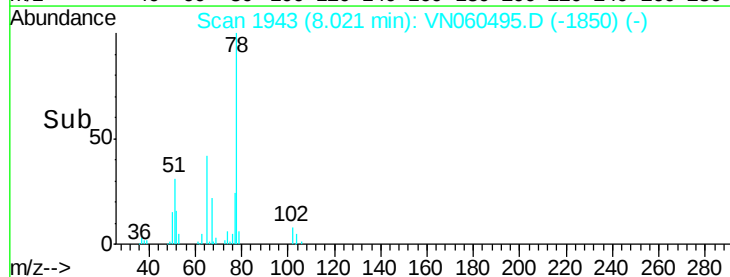
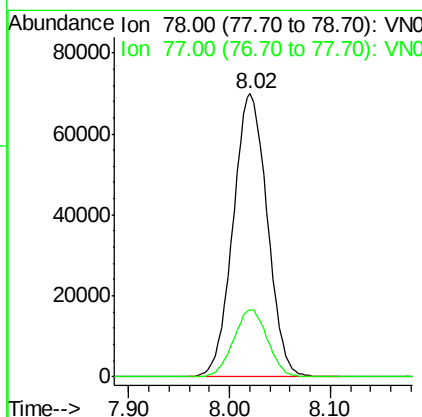
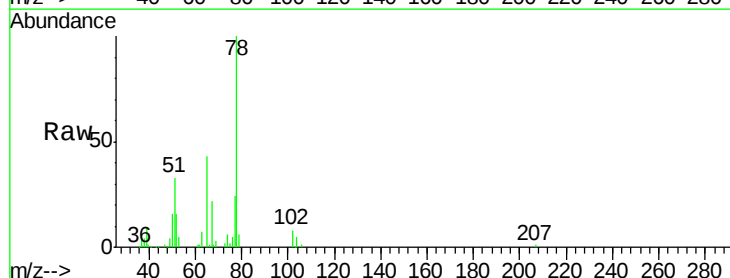
Manual Integrations  
APPROVED

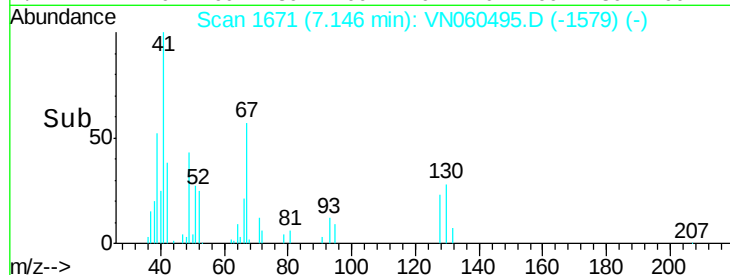
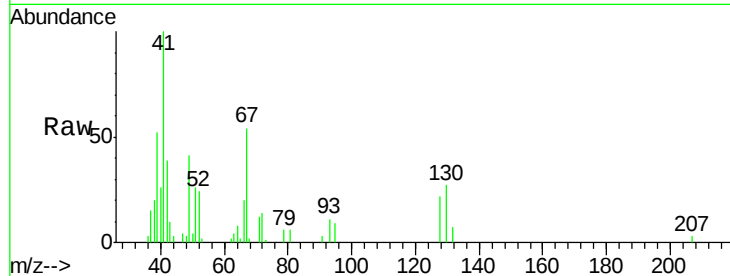
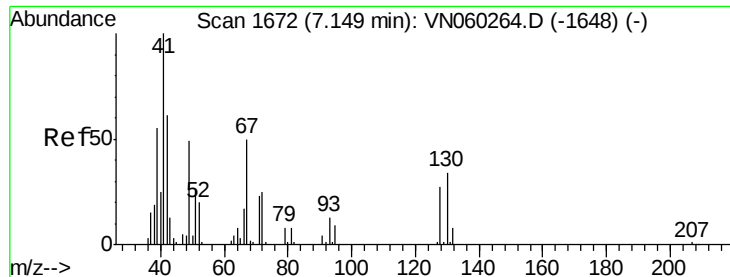
MMDadoda  
3/16/2020 2:04:49 PM



#40  
Benzene  
Concen: 18.650 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 18.8  | 28.2  |





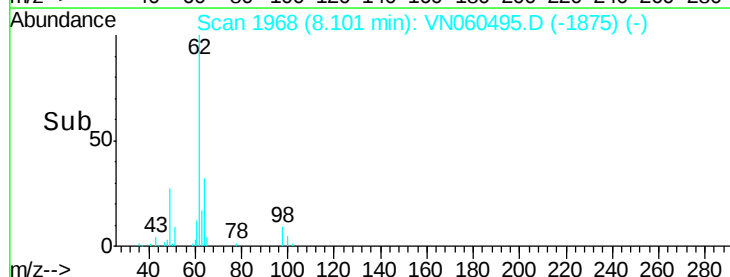
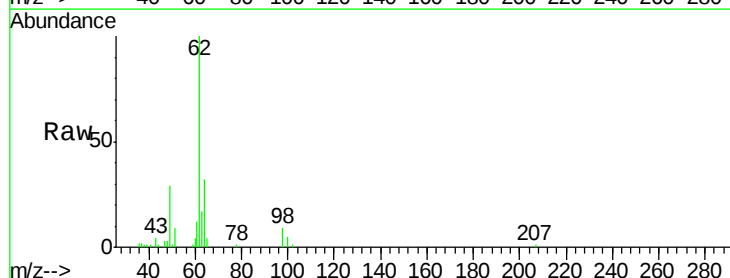
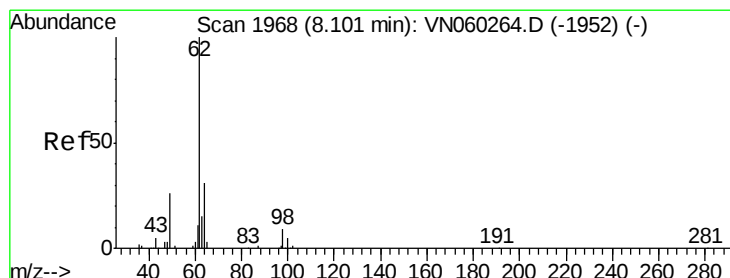
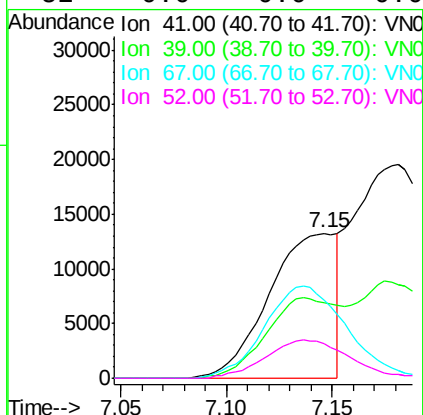
#41  
Methacrylonitrile  
Concen: 22.415 ug/l m  
RT: 7.15 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tot Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 41      | 100 |       | 29636 |       |       |
| 39      | 0.0 | 0.0   | 0.0   |       |       |
| 67      | 0.0 | 0.0   | 0.0   |       |       |
| 52      | 0.0 | 0.0   | 0.0   |       |       |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

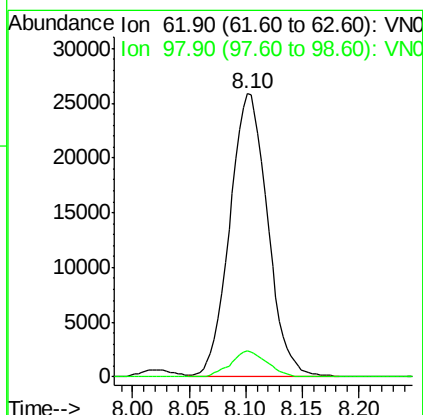
Manual Integrations  
APPROVED

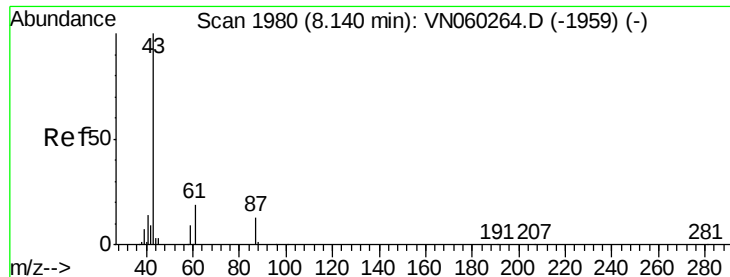
MMDadoda  
3/16/2020 2:04:49 PM



#42  
1,2-Dichloroethane  
Concen: 19.023 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 100 |       | 60422 |       |       |
| 98      | 8.6 | 0.0   | 17.0  |       |       |





#43

Isopropyl Acetate

Concen: 20.573 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

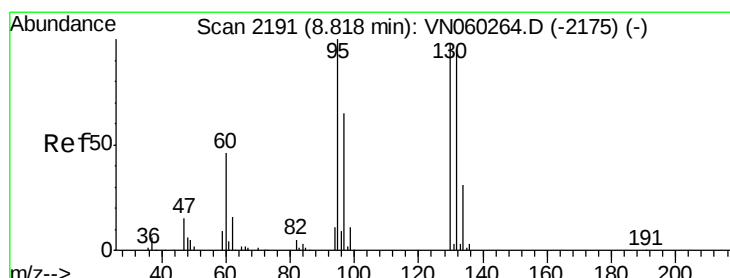
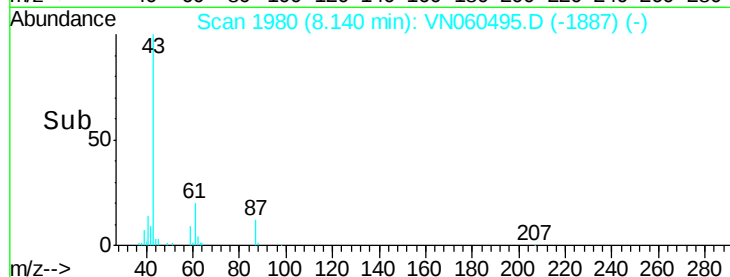
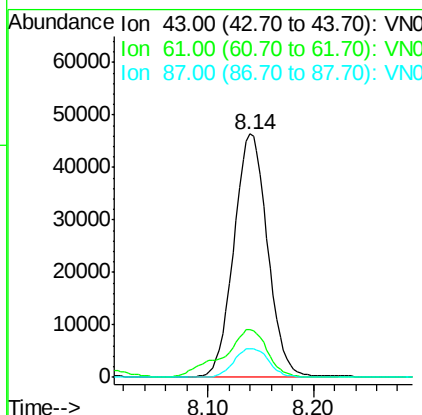
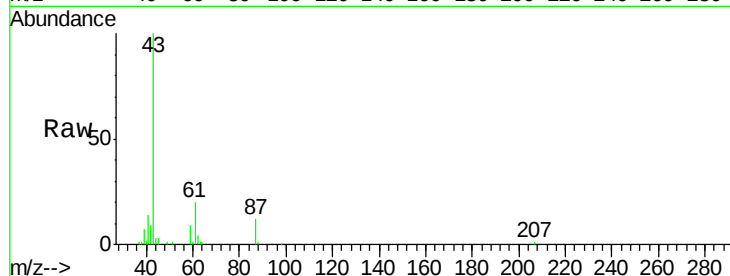
ClientSampleId :

VN0313WBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 43   | Resp: | 103131 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 61        | 25.8 | 20.9  | 31.3   |
| 87        | 12.2 | 10.6  | 16.0   |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#44

Trichloroethene

Concen: 17.753 ug/l

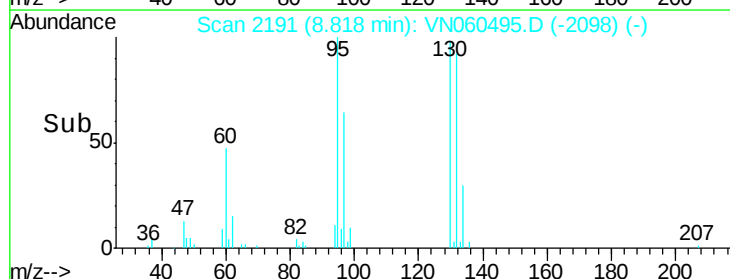
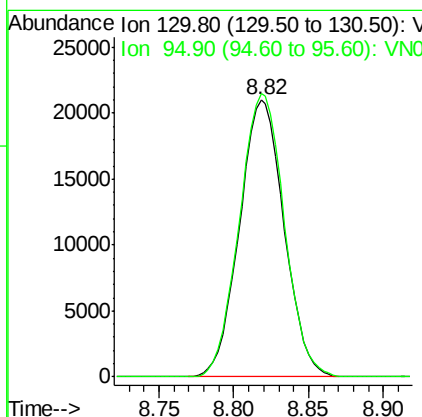
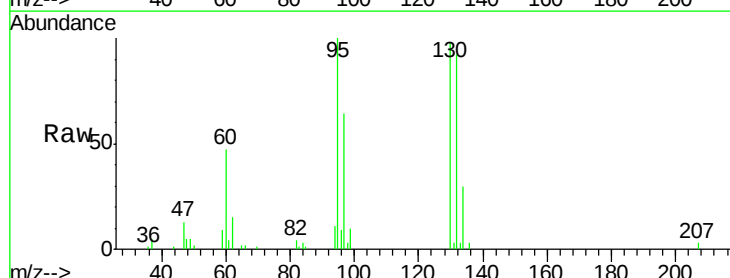
RT: 8.82 min Scan# 2191

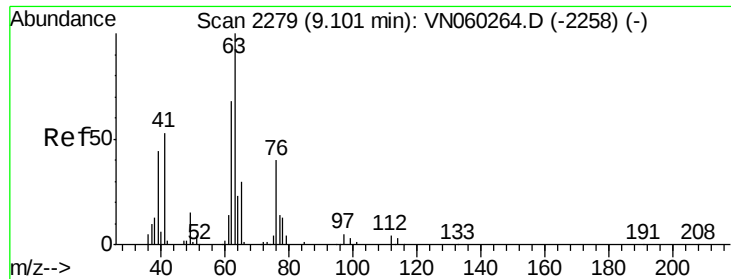
Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 43519 |
| Ion Ratio |       | Lower | Upper |
| 130       | 100   |       |       |
| 95        | 102.1 | 0.0   | 203.4 |





#45

1,2-Dichloropropane

Concen: 20.229 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 63 Resp: 46553

Ion Ratio Lower Upper

63 100

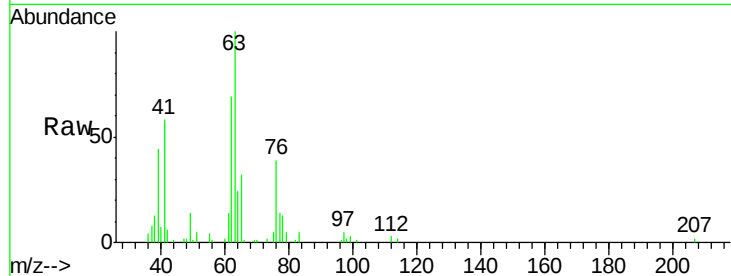
65 31.6 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

3/16/2020 2:04:49 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

25000

20000

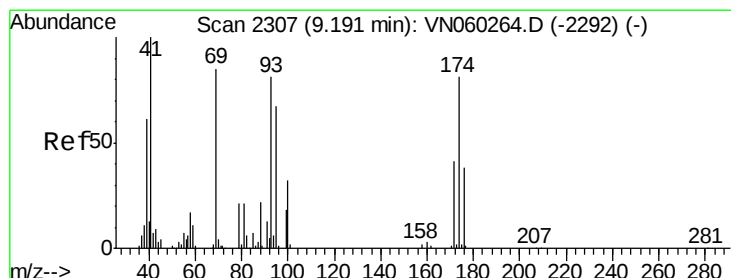
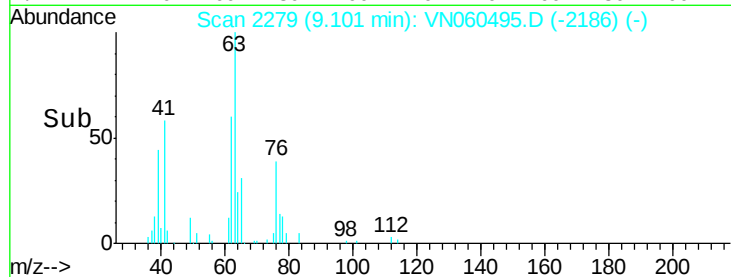
15000

10000

5000

0

Time--> 9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 18.676 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

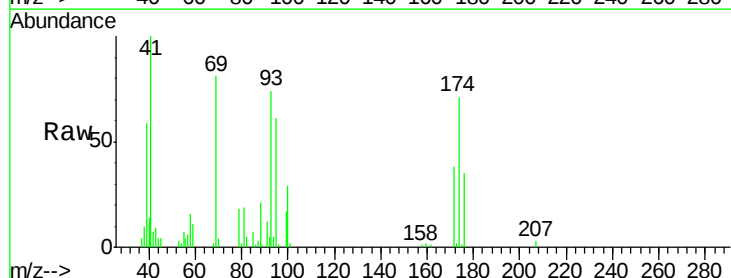
Tgt Ion: 93 Resp: 27887

Ion Ratio Lower Upper

93 100

95 82.7 65.9 98.9

174 97.5 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

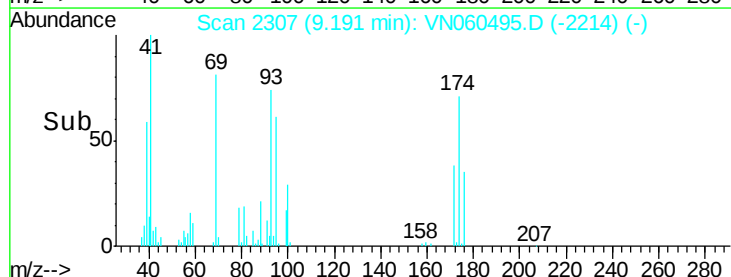
15000

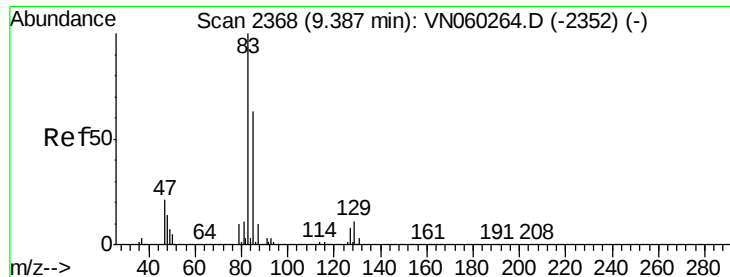
10000

5000

0

Time--> 9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 19.450 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

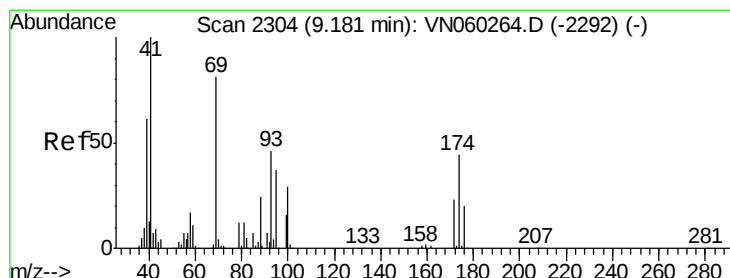
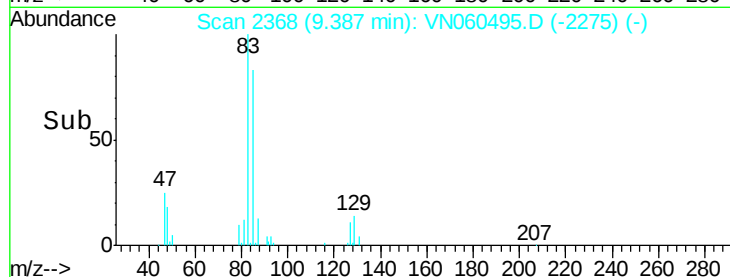
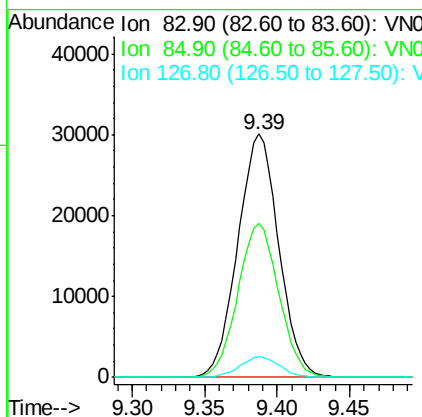
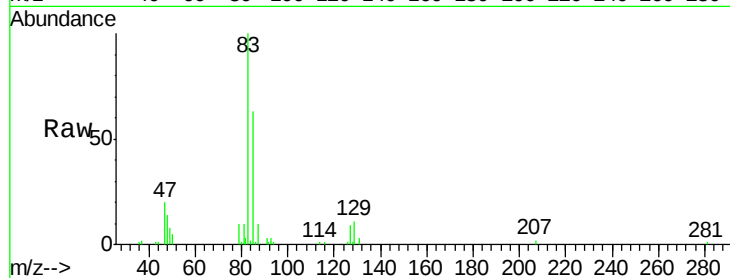
ClientSampleId :

VN0313WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 59069 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.2  | 50.7  | 76.1  |
| 127      | 8.5   | 6.8   | 10.2  |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#48

Methyl methacrylate

Concen: 18.891 ug/l

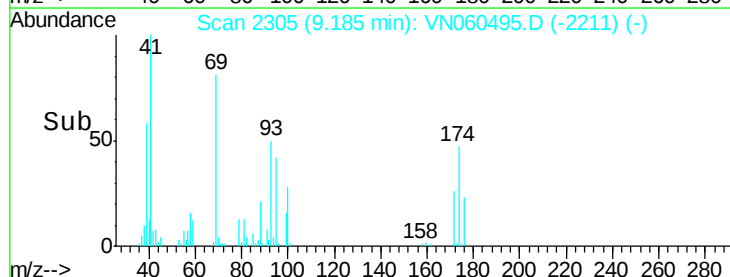
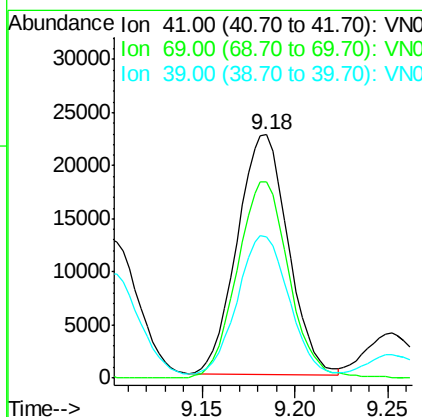
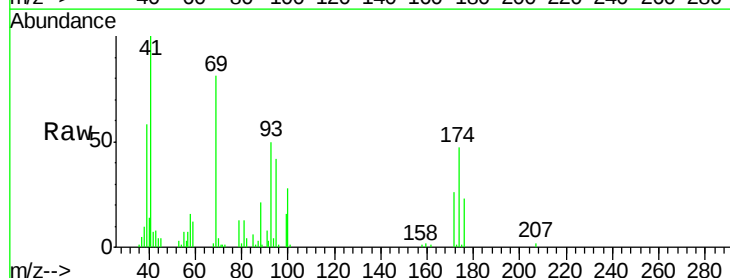
RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 43184 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 82.9  | 66.7  | 100.1 |
| 39       | 61.3  | 50.1  | 75.1  |





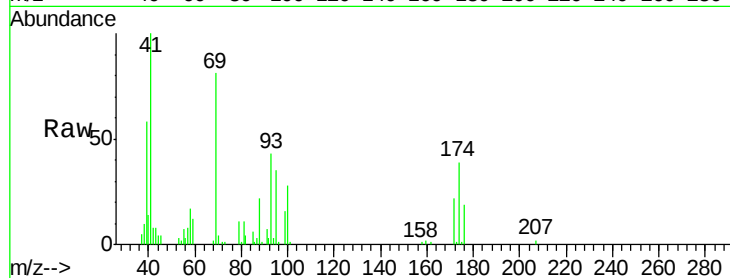
#49  
1,4-Dioxane  
Concen: 336.768 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 39.8  | 30.4  | 45.6  |
| 58      | 75.3  | 57.0  | 85.6  |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM

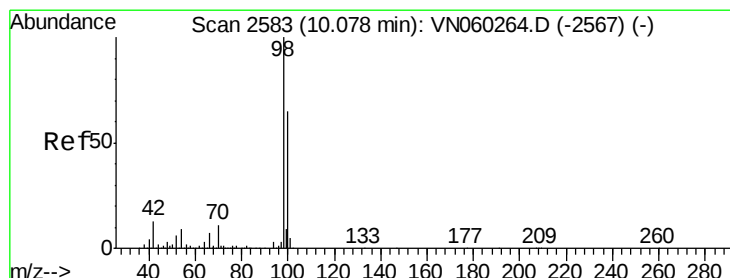
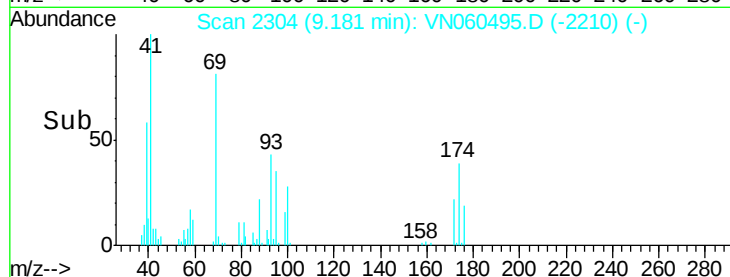
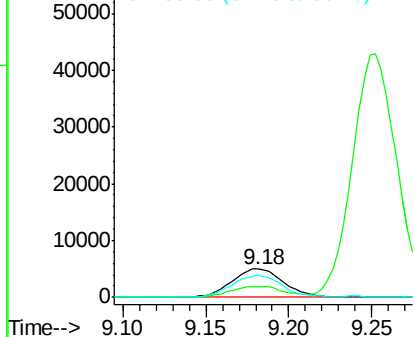


Abundance

Ion 88.00 (87.70 to 88.70): VN060495.D (-2210) (-)

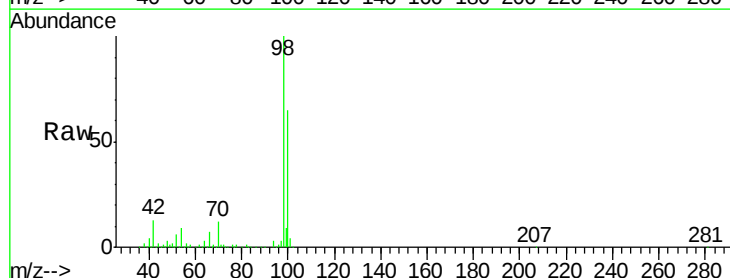
Ion 43.00 (42.70 to 43.70): VN060495.D (-2210) (-)

Ion 58.00 (57.70 to 58.70): VN060495.D (-2210) (-)



#50  
Toluene-d8  
Concen: 47.874 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

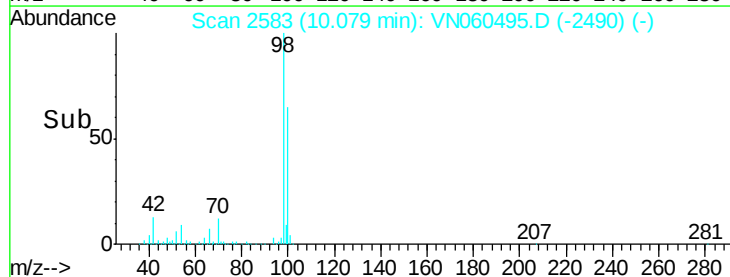
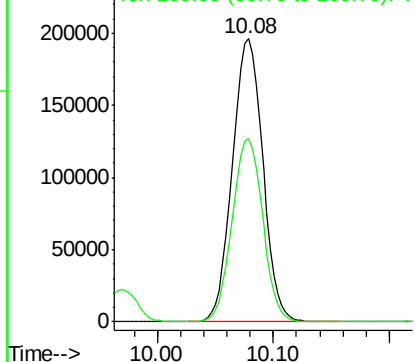
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.9  | 52.2  | 78.2  |

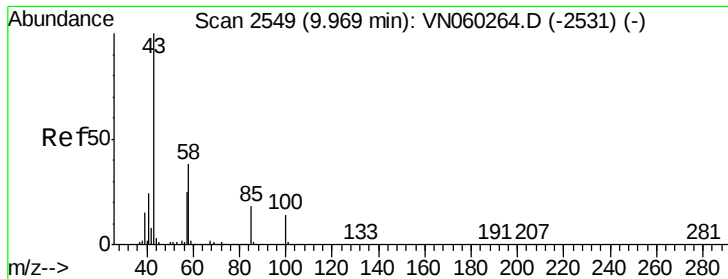


Abundance

Ion 98.00 (97.70 to 98.70): VN060495.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060495.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 105.264 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 43 Resp: 299186

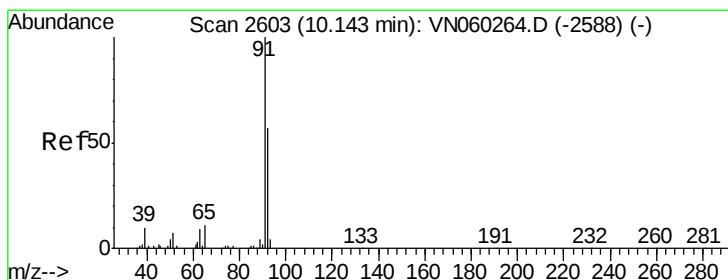
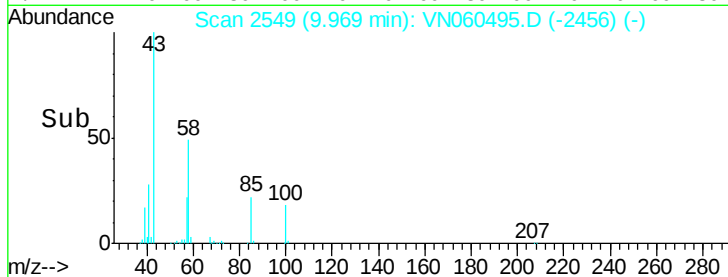
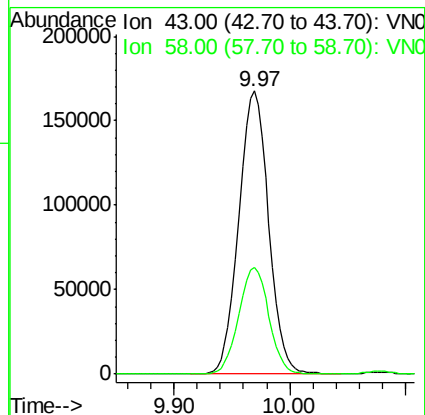
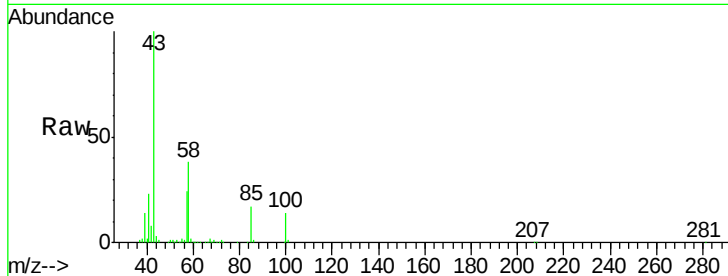
Ion Ratio Lower Upper

43 100

58 38.1 30.9 46.3

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#52

Toluene

Concen: 18.231 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060495.D

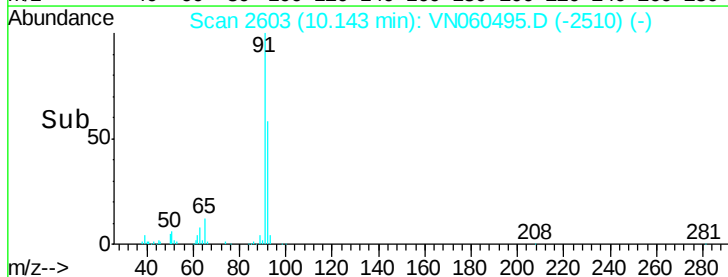
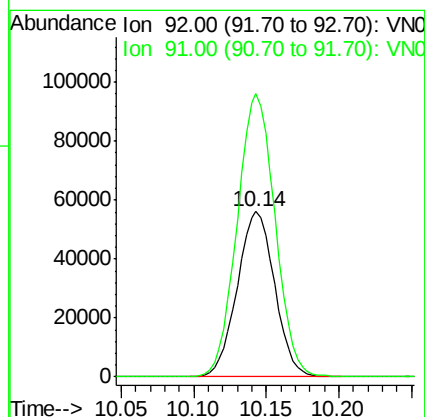
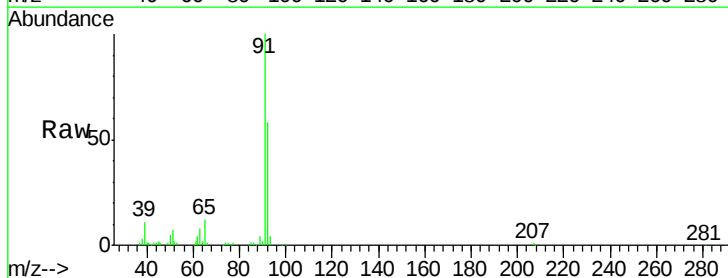
Acq: 13 Mar 2020 12:25

Tgt Ion: 92 Resp: 100799

Ion Ratio Lower Upper

92 100

91 173.2 138.1 207.1





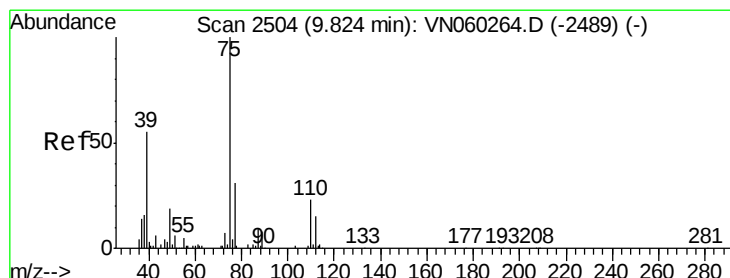
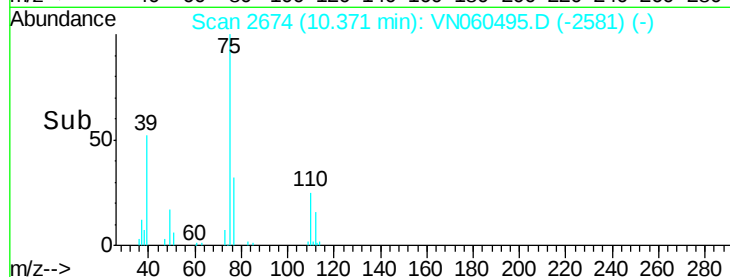
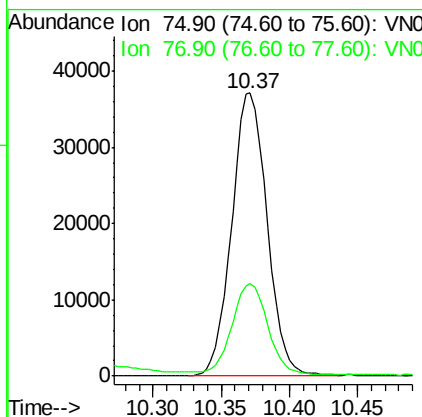
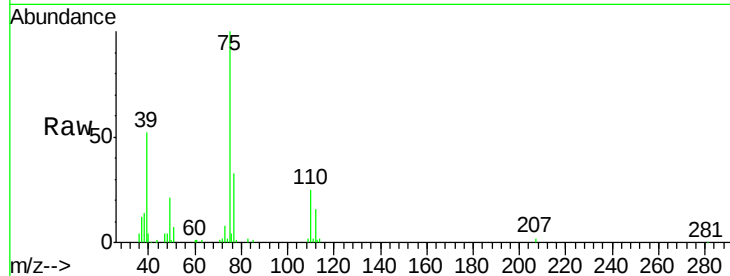
#53  
t-1,3-Dichloropropene  
Concen: 18.018 ug/l  
RT: 10.37 min Scan# 2674  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.1  | 24.8  | 37.2  |

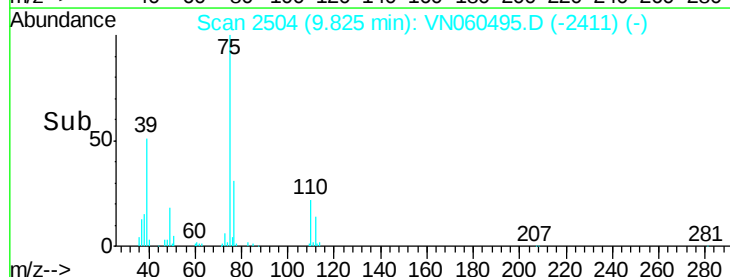
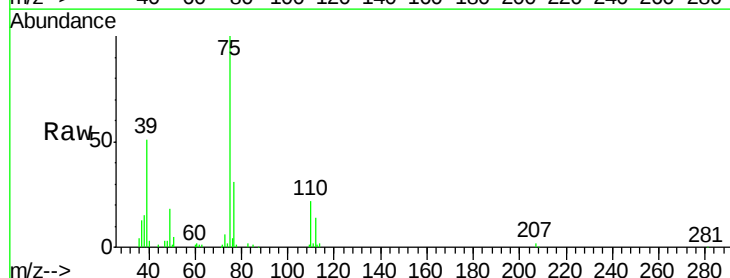
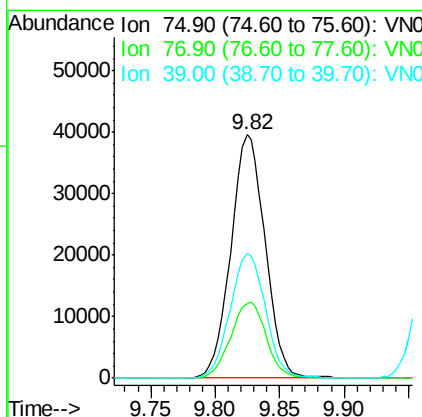
Manual Integrations  
APPROVED

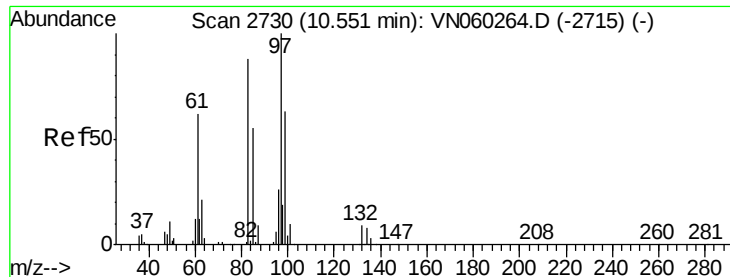
MMDadoda  
3/16/2020 2:04:49 PM



#54  
cis-1,3-Dichloropropene  
Concen: 18.940 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.6  | 24.8  | 37.2  |
| 39      | 50.9  | 43.8  | 65.8  |





#55

1,1,2-Trichloroethane

Concen: 18.855 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 97 Resp: 41923

Ion Ratio Lower Upper

97 100

83 87.5 70.0 105.0

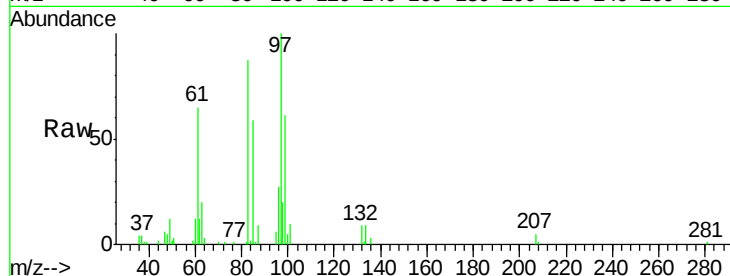
85 58.9 44.0 66.0

99 61.4 50.4 75.6

Manual Integrations  
APPROVED

MMDadoda

3/16/2020 2:04:49 PM

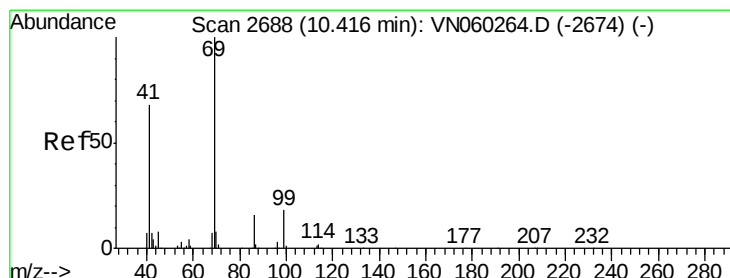
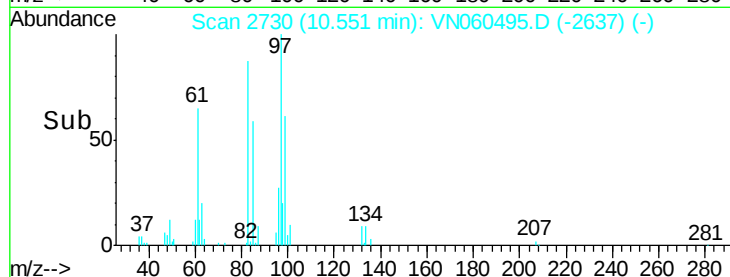
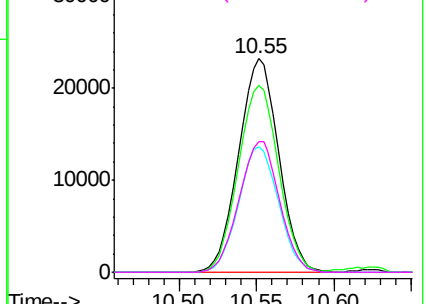


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.291 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

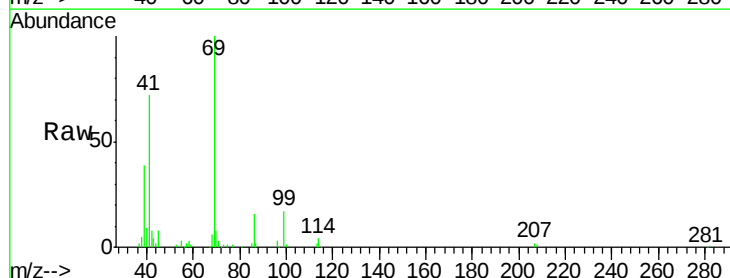
Tgt Ion: 69 Resp: 61620

Ion Ratio Lower Upper

69 100

41 72.4 54.1 81.1

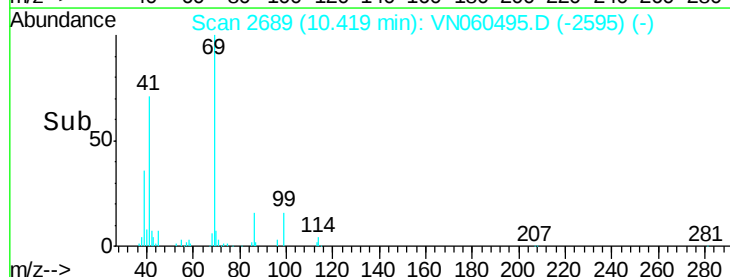
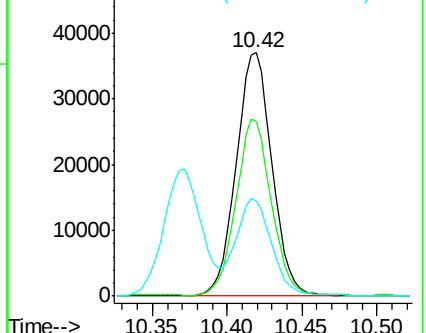
39 41.2 32.5 48.7

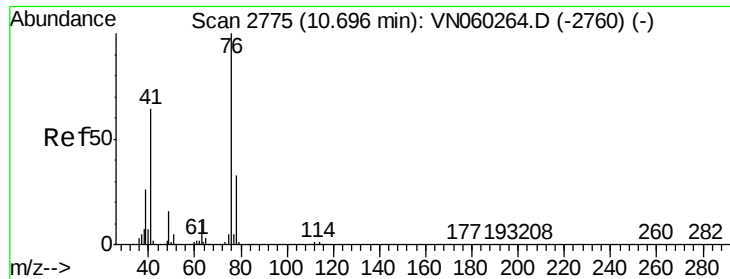


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





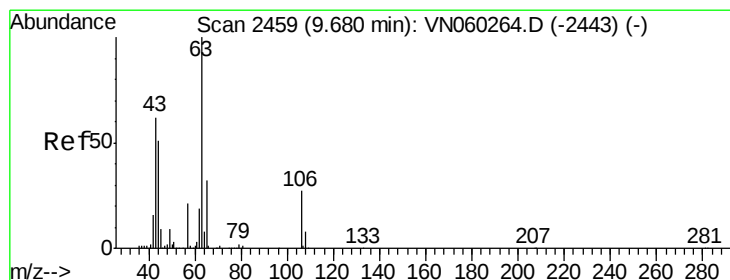
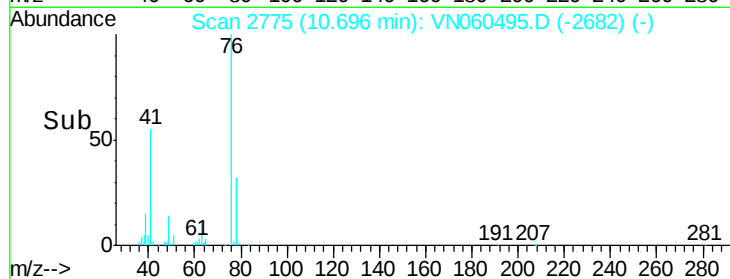
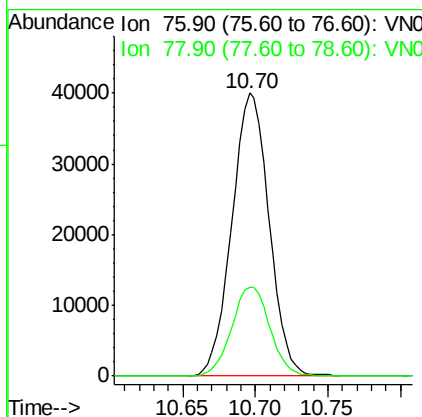
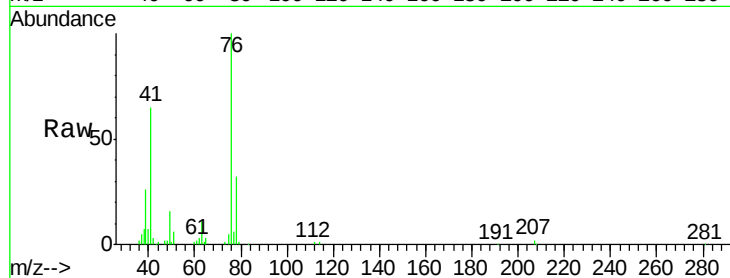
#57  
 1,3-Dichloropropane  
 Concen: 19.639 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.4  | 26.2  | 39.2  |

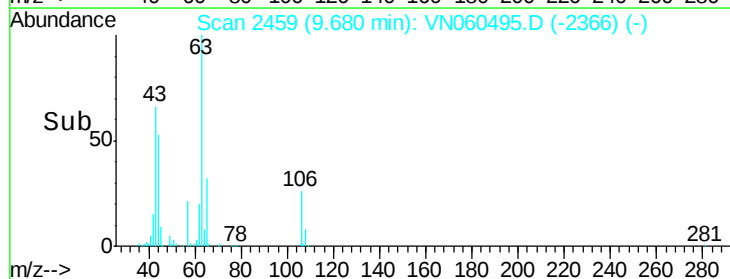
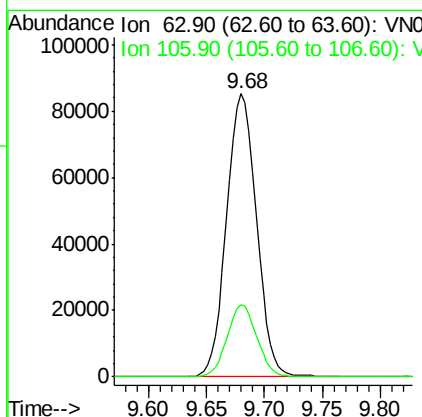
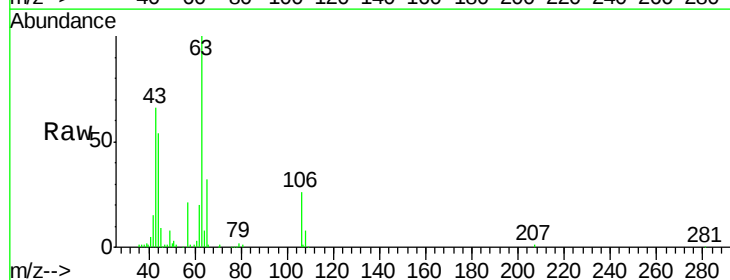
Manual Integrations  
 APPROVED

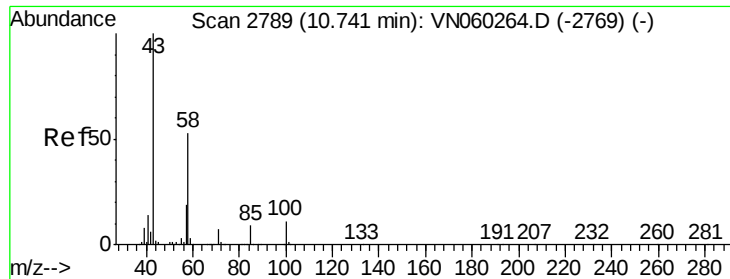
MMDadoda  
 3/16/2020 2:04:49 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 91.236 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 25.1  | 21.1  | 31.7  |





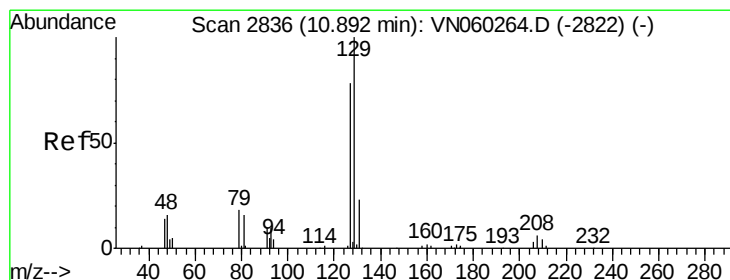
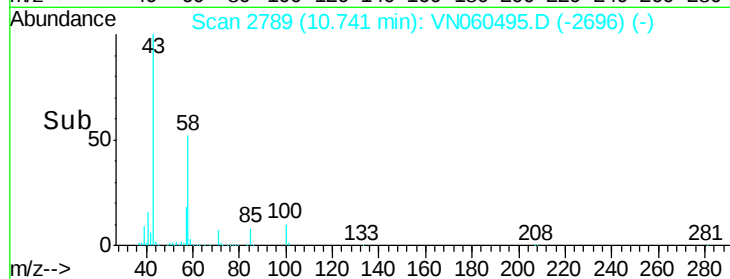
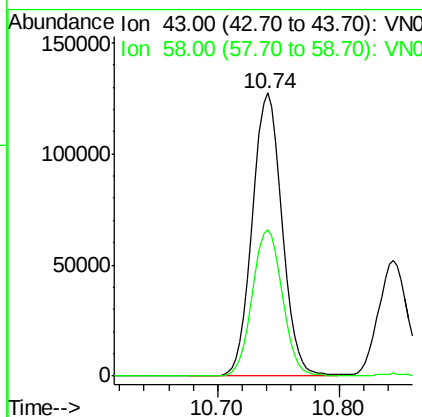
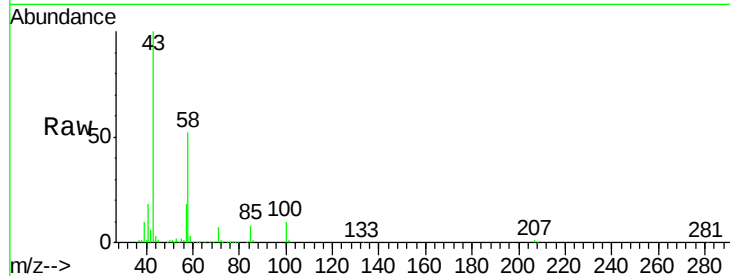
#59  
2-Hexanone  
Concen: 102.399 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 52.3  | 26.5  | 79.5  |

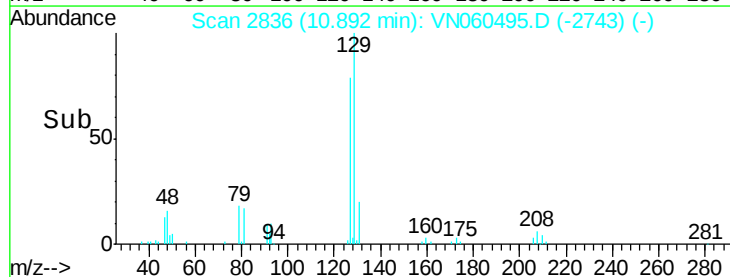
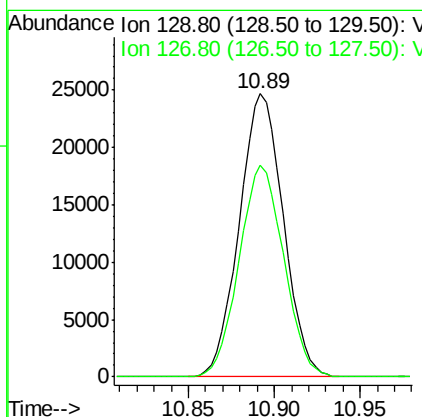
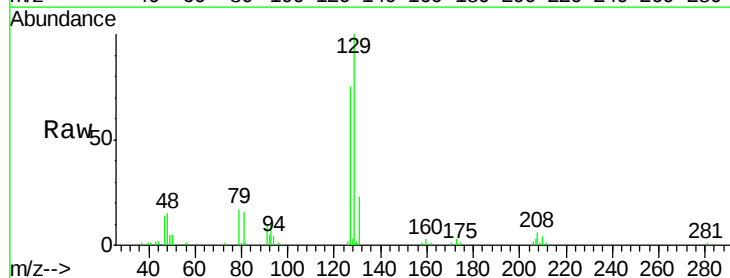
Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#60  
Dibromochloromethane  
Concen: 19.423 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 75.5  | 38.9  | 116.7 |





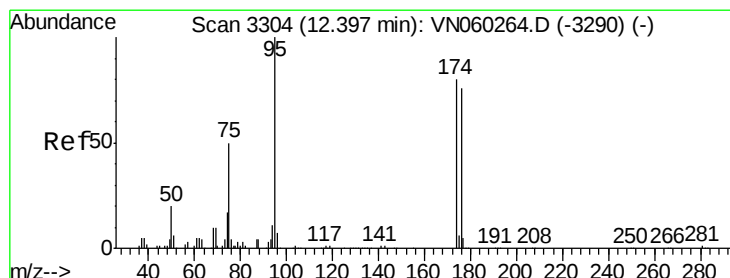
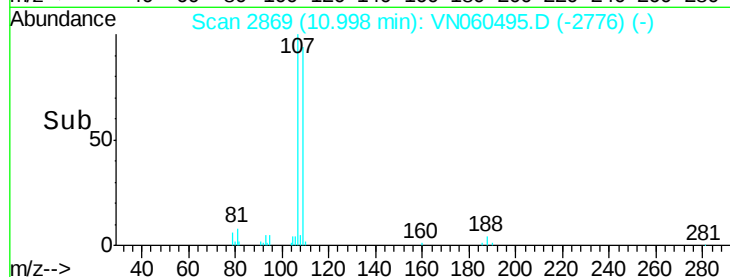
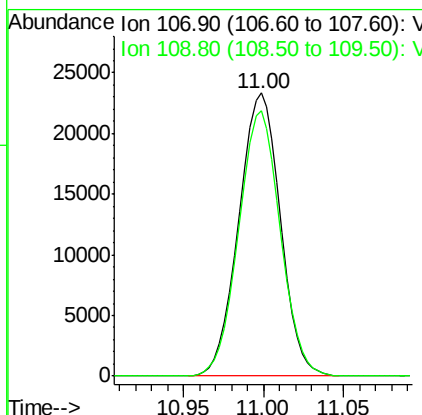
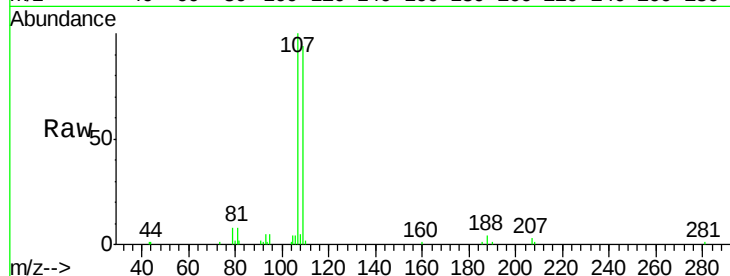
#61  
 1,2-Dibromoethane  
 Concen: 19.094 ug/l  
 RT: 11.00 min Scan# 2869  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.8  | 76.8  | 115.2 |

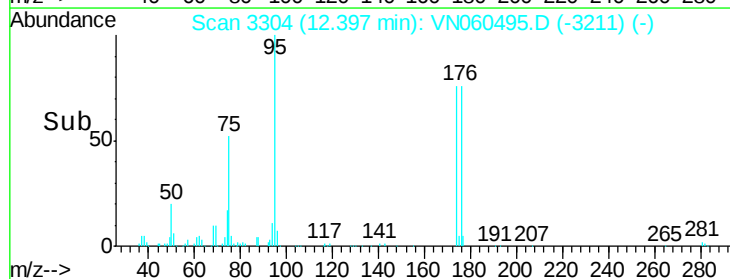
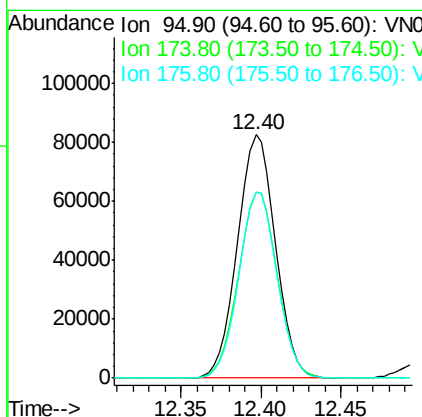
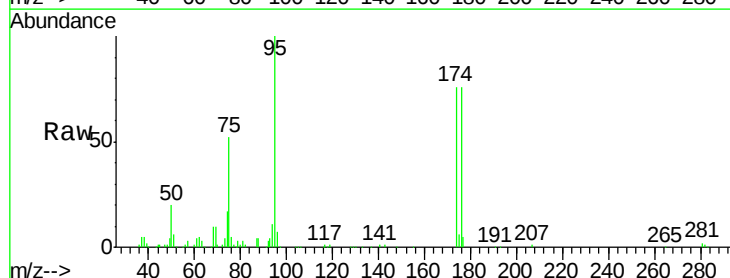
Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 2:04:49 PM



#62  
 4-Bromofluorobenzene  
 Concen: 47.185 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 78.1  | 0.0   | 159.2 |
| 176     | 76.8  | 0.0   | 153.8 |





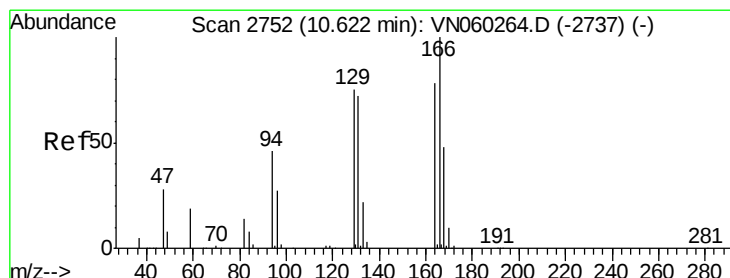
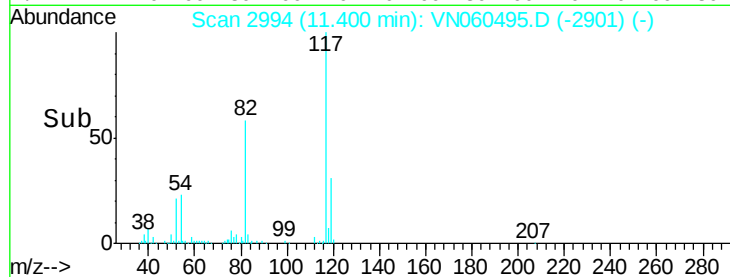
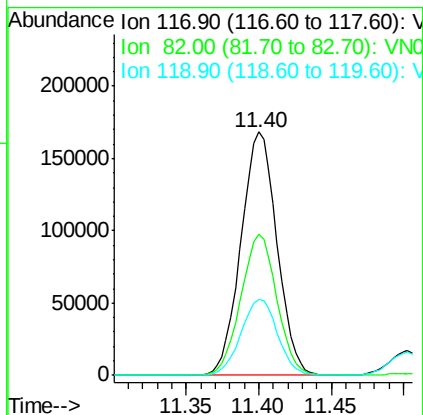
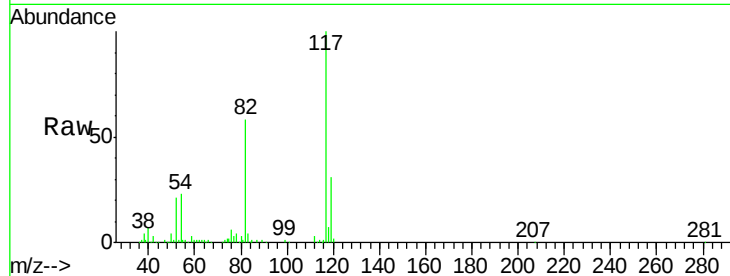
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 291298 |       |       |
| 82      | 57.8  | 45.8   | 68.6  |       |
| 119     | 31.3  | 25.8   | 38.8  |       |

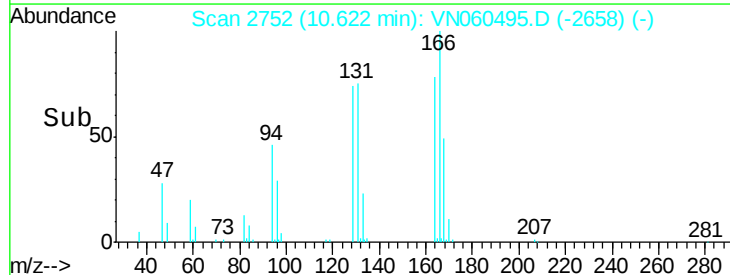
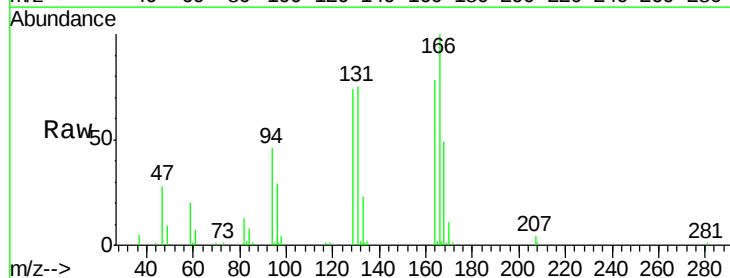
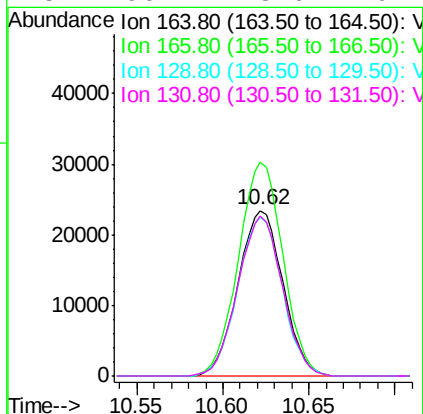
Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#64  
Tetrachloroethene  
Concen: 17.565 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 42390 |       |       |
| 166     | 128.9 | 102.0 | 153.0 |       |
| 129     | 95.9  | 76.4  | 114.6 |       |
| 131     | 96.2  | 73.6  | 110.4 |       |





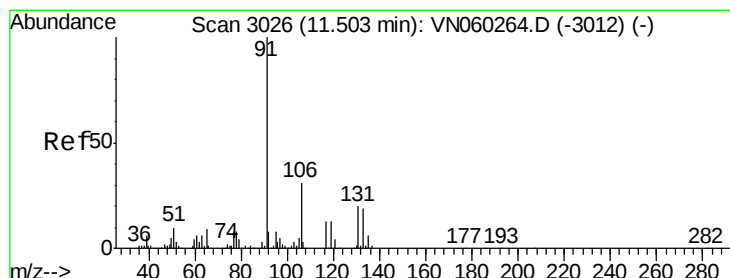
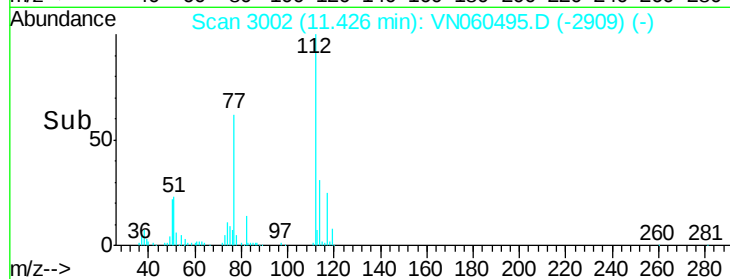
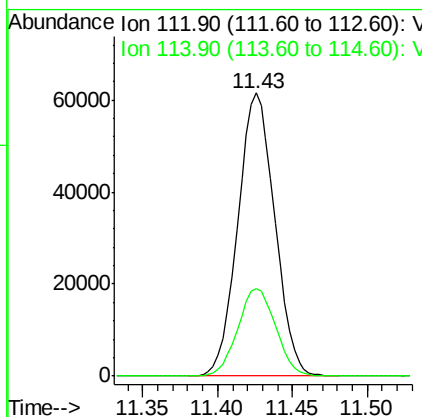
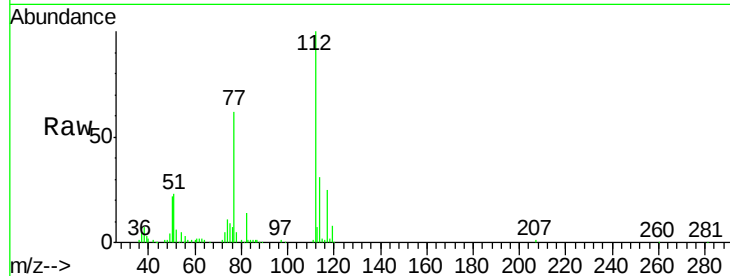
#65  
Chlorobenzene  
Concen: 17.966 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

Tot Ion:112 Resp: 105678  
Ion Ratio Lower Upper  
112 100  
114 31.0 25.4 38.0

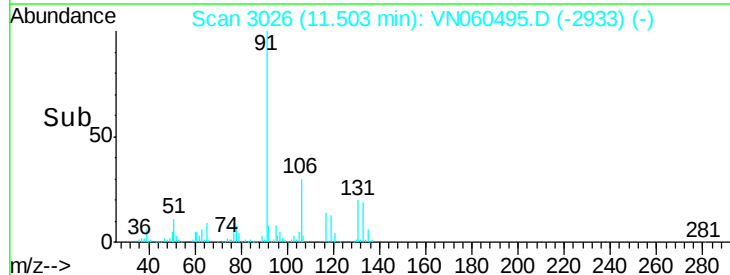
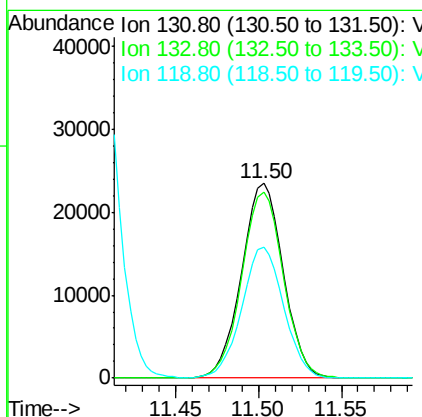
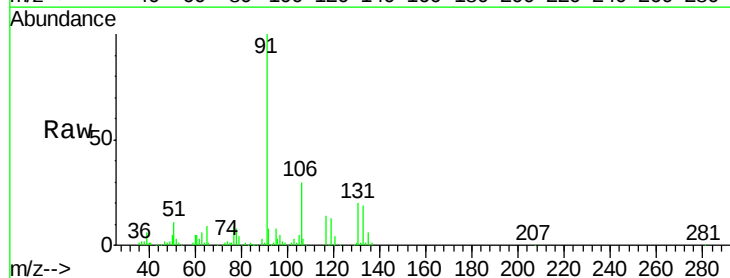
Manual Integrations  
APPROVED

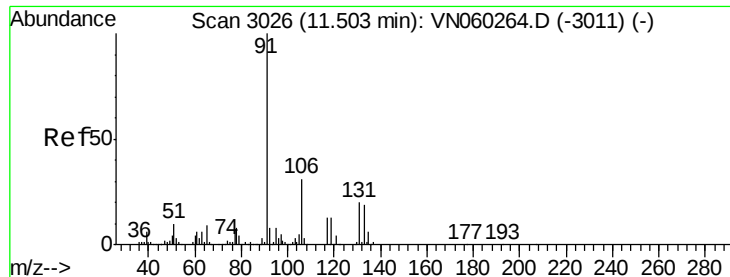
MMDadoda  
3/16/2020 2:04:49 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.882 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Tgt Ion:131 Resp: 41065  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.7 143.1  
119 67.6 33.2 99.6





#67

Ethyl Benzene

Concen: 18.367 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 91 Resp: 196737

Ion Ratio Lower Upper

91 100

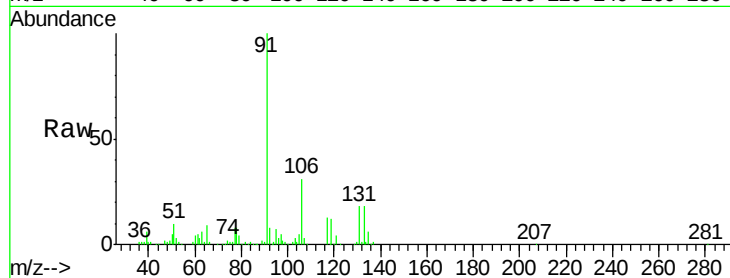
106 30.6 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

3/16/2020 2:04:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN060264.D (-3011) (-)

150000

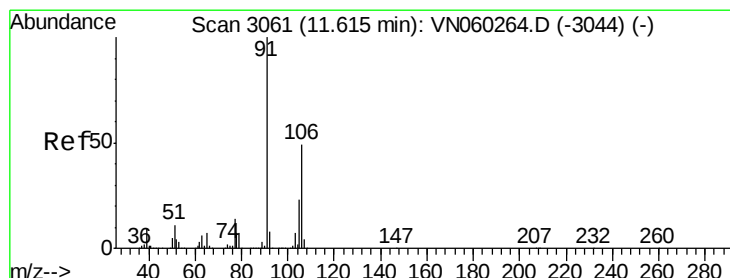
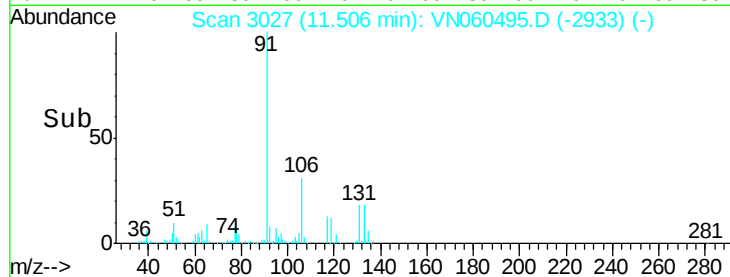
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 35.386 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060495.D

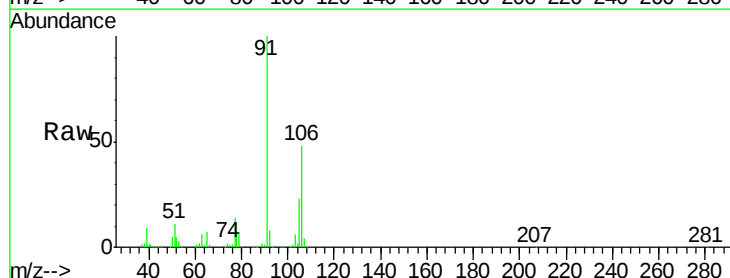
Acq: 13 Mar 2020 12:25

Tgt Ion: 106 Resp: 143011

Ion Ratio Lower Upper

106 100

91 210.4 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060264.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-3044) (-)

150000

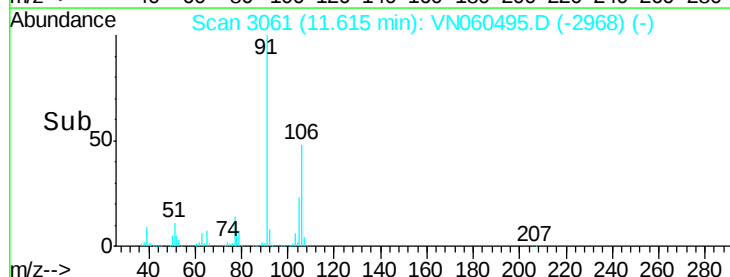
100000

50000

0

11.60 11.62 11.70

Time-->





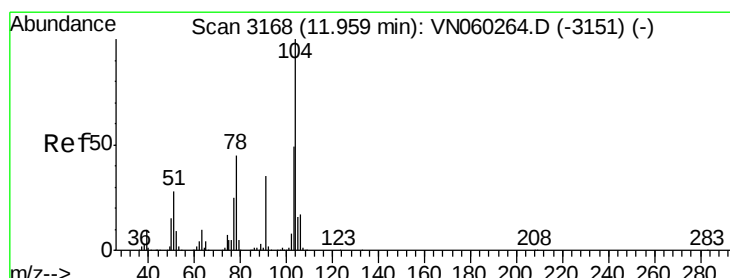
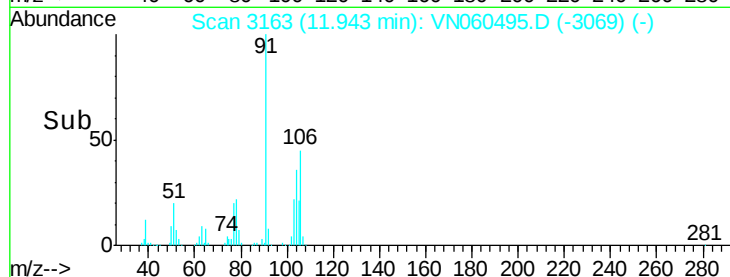
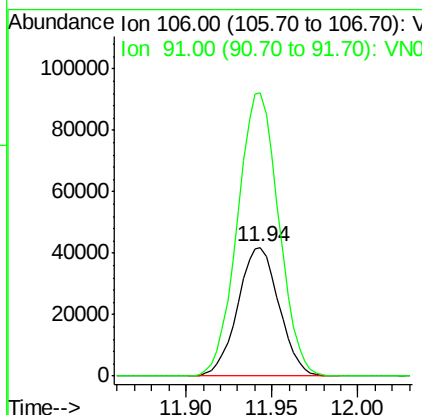
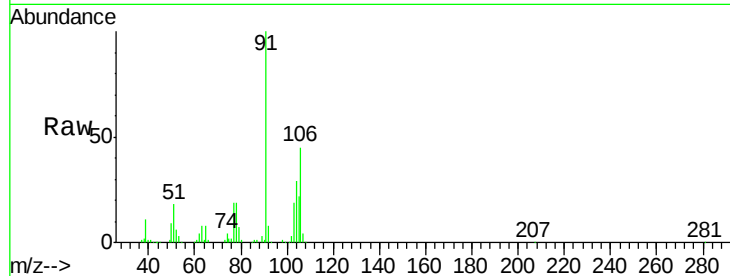
#69  
o-Xylene  
Concen: 18.138 ug/l  
RT: 11.94 min Scan# 3163  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0313WBSD01

Tot Ion:106 Resp: 69903  
Ion Ratio Lower Upper  
106 100  
91 220.3 109.5 328.4

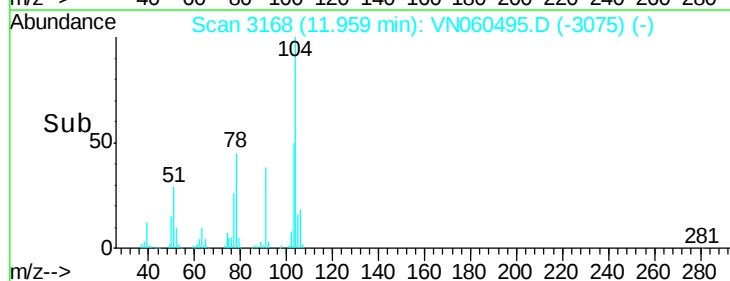
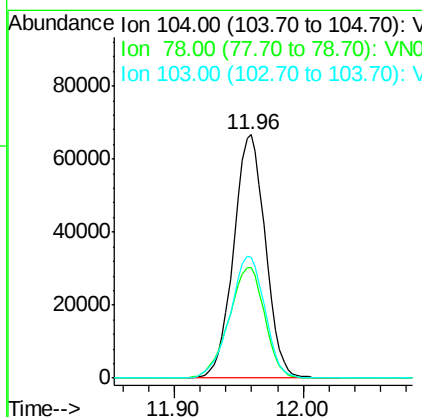
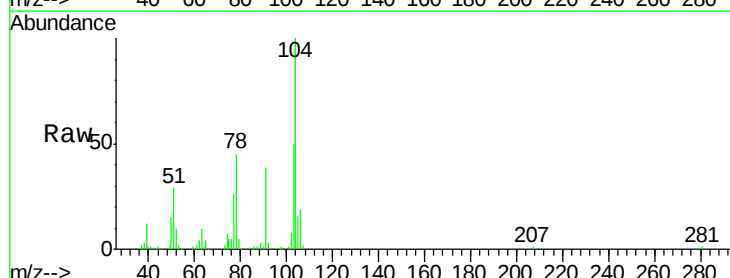
Manual Integrations  
APPROVED

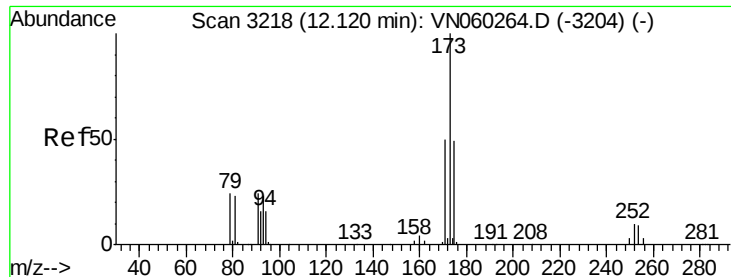
MMDadoda  
3/16/2020 2:04:49 PM



#70  
Styrene  
Concen: 18.020 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Tgt Ion:104 Resp: 114176  
Ion Ratio Lower Upper  
104 100  
78 51.1 41.2 61.8  
103 54.7 43.9 65.9





#71

Bromoform

Concen: 19.268 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

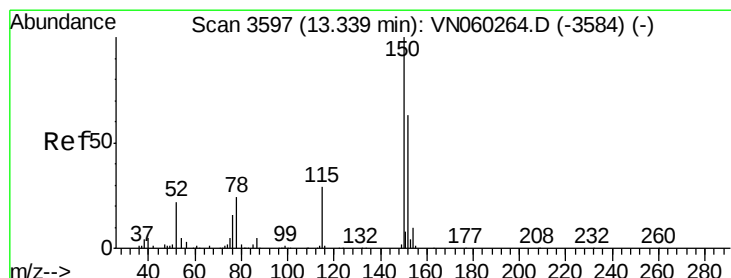
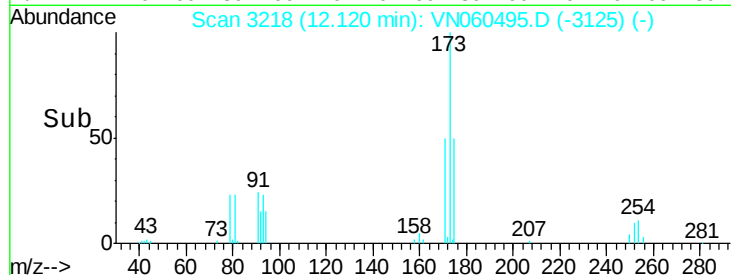
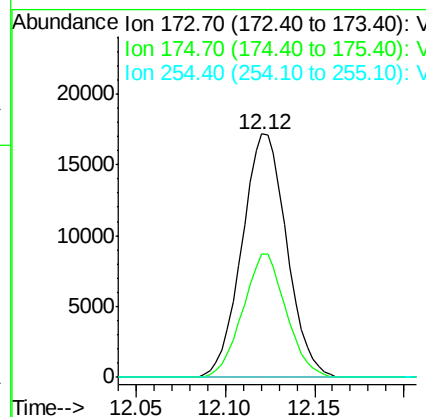
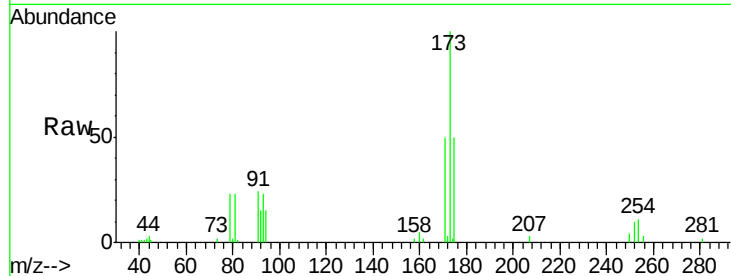
ClientSampleId :

VN0313WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 173   | Resp: | 30201 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.9  | 24.1  | 72.2  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

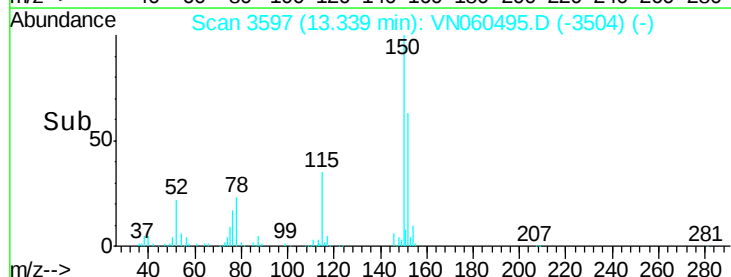
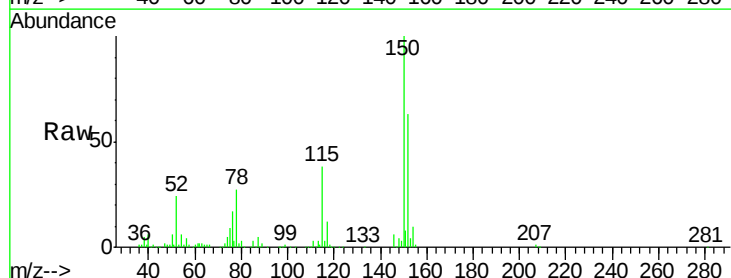
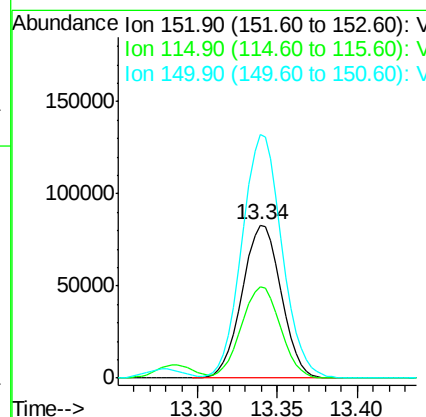
RT: 13.34 min Scan# 3597

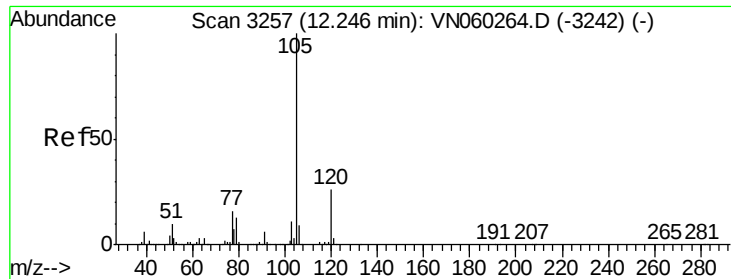
Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 138321 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 60.0  | 30.0  | 90.0   |
| 150       | 163.0 | 0.0   | 349.6  |





#73

Isopropylbenzene

Concen: 18.543 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 105 Resp: 190104

Ion Ratio Lower Upper

105 100

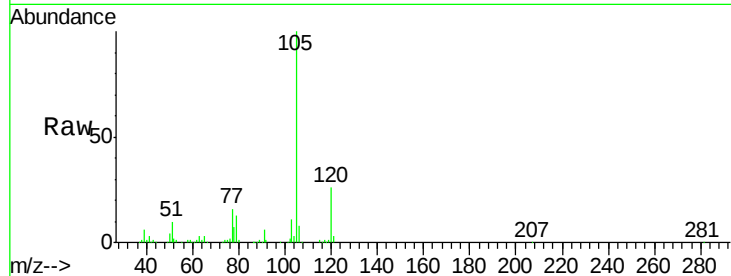
120 25.9 13.0 38.9

Manual Integrations

APPROVED

MMDadoda

3/16/2020 2:04:49 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

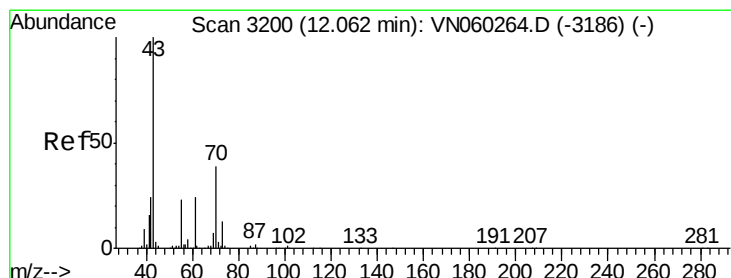
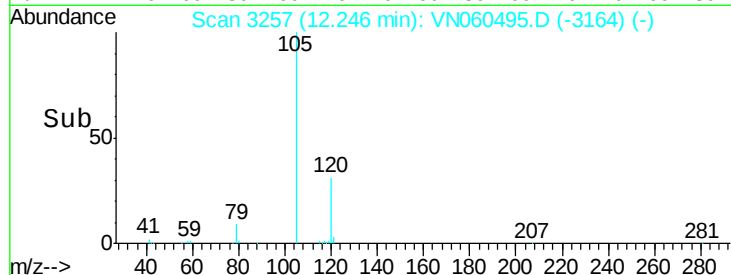
12.25

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.430 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Tgt Ion: 43 Resp: 87044

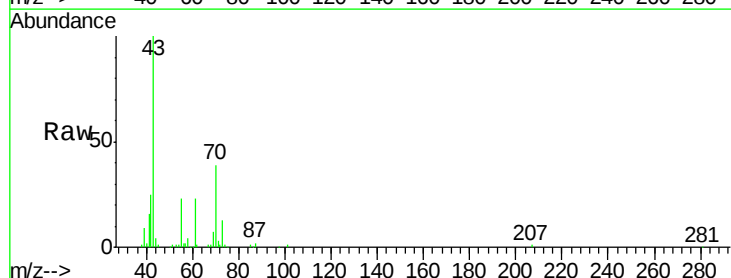
Ion Ratio Lower Upper

43 100

70 39.0 32.2 48.2

55 23.2 18.2 27.4

61 23.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

80000

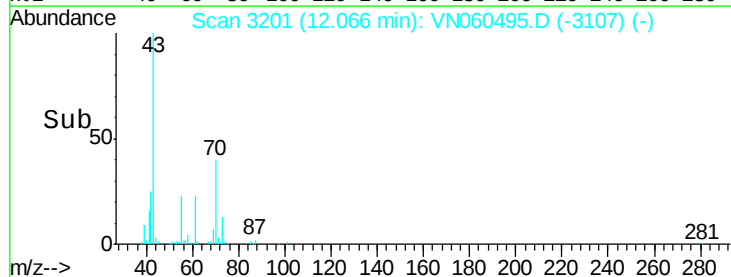
60000

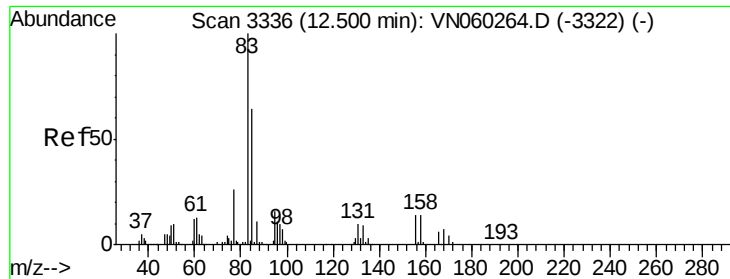
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.337 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

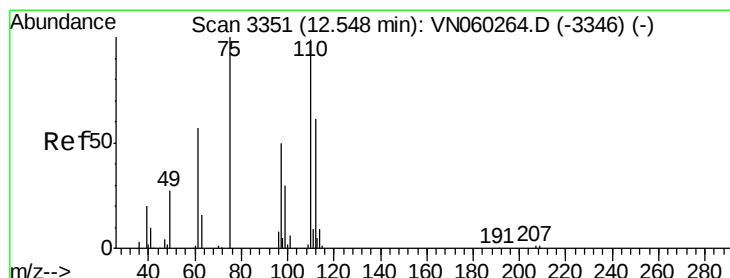
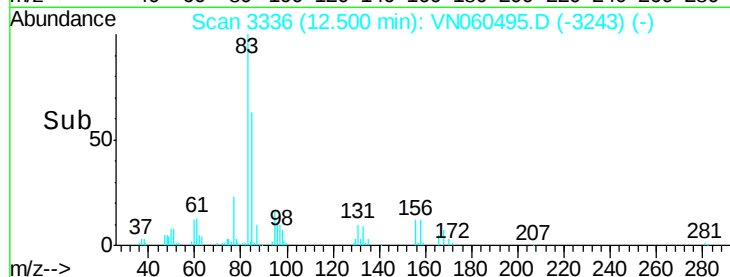
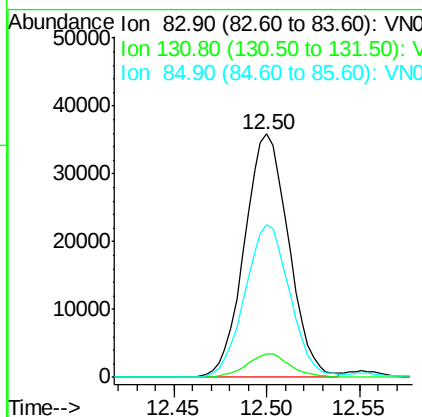
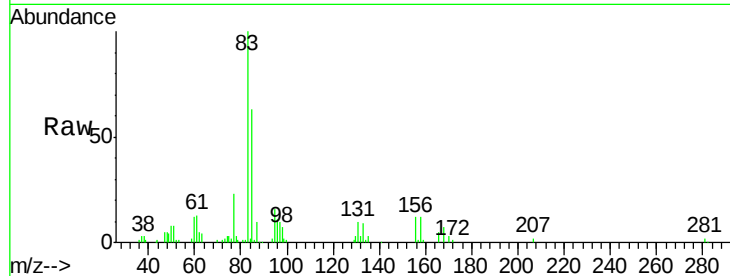
ClientSampleId :

VN0313WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 59463 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.5   | 5.1   | 15.3  |
| 85        | 63.7  | 32.3  | 96.8  |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#76

1,2,3-Trichloropropane

Concen: 18.348 ug/l m

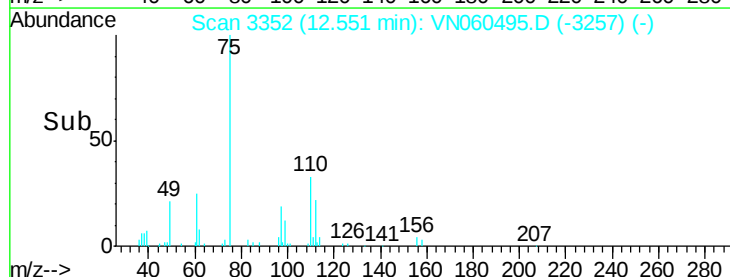
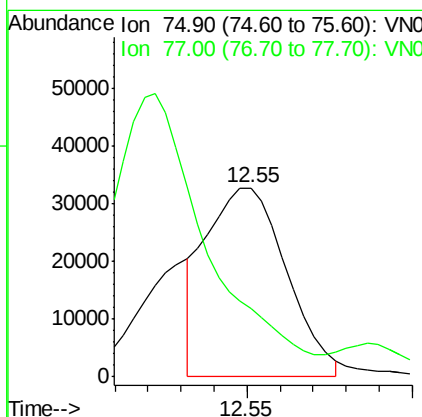
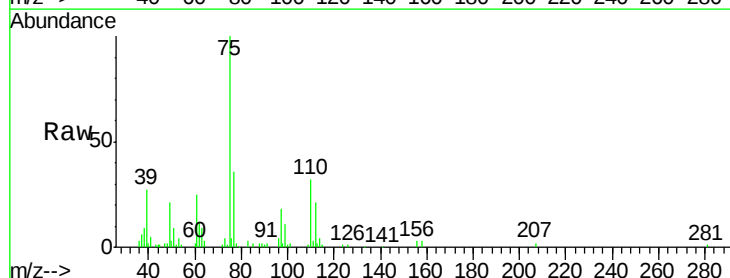
RT: 12.55 min Scan# 3352

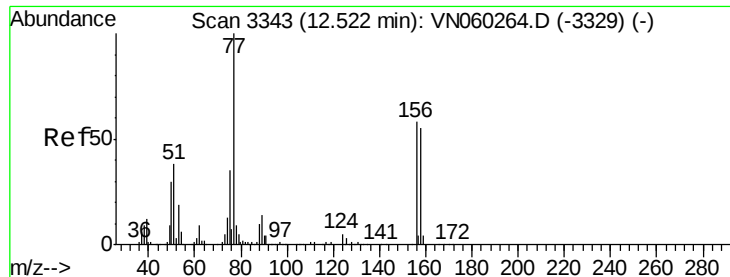
Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 55681 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 18.428 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

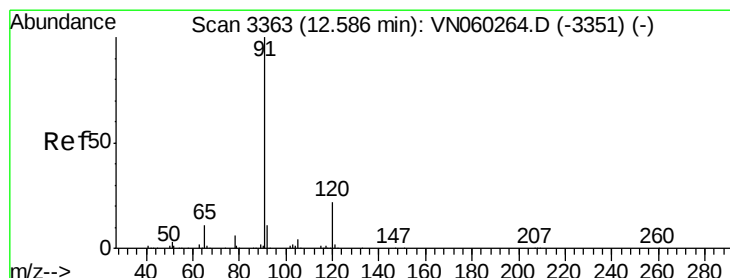
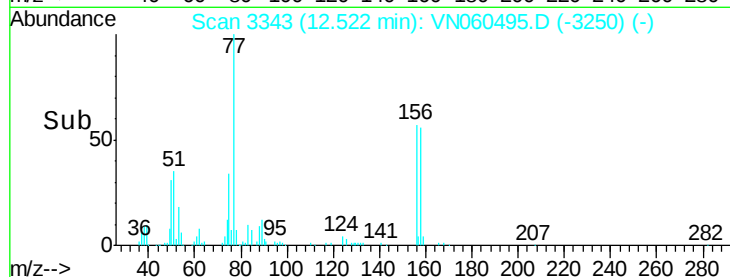
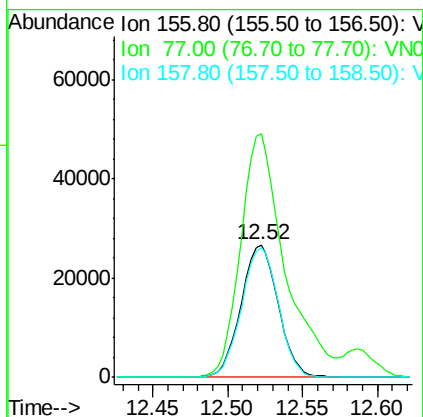
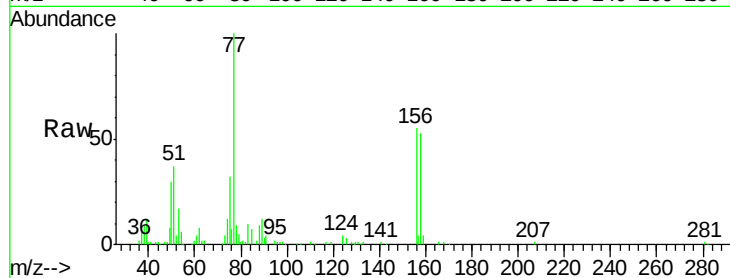
ClientSampleId :

VN0313WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 46312 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 218.4 | 106.1 | 318.3 |
| 158      | 97.1  | 48.3  | 144.8 |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#78

n-propylbenzene

Concen: 18.441 ug/l

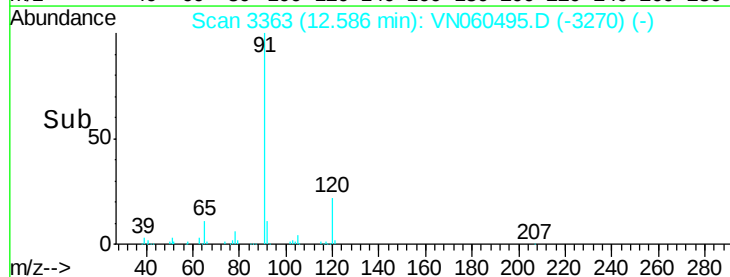
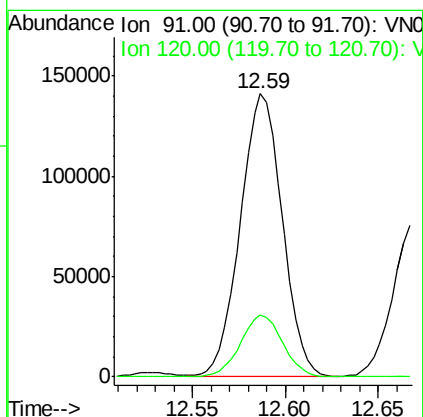
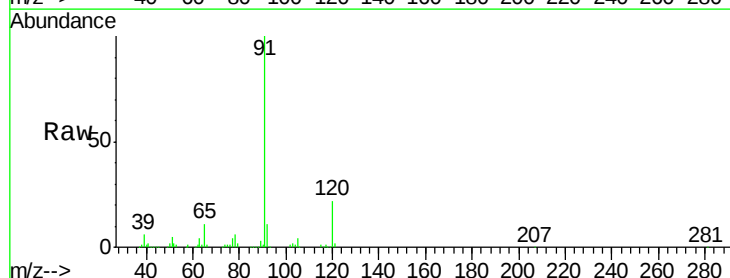
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 221610 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 22.1  | 11.3  | 33.9   |





#79

2-Chlorotoluene

Concen: 18.417 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA\_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 91 Resp: 130099

Ion Ratio Lower Upper

91 100

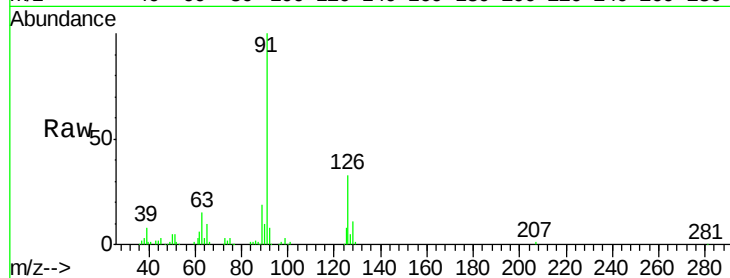
126 33.3 16.6 49.8

Manual Integrations

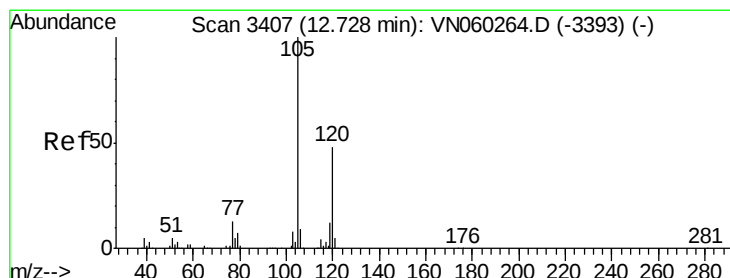
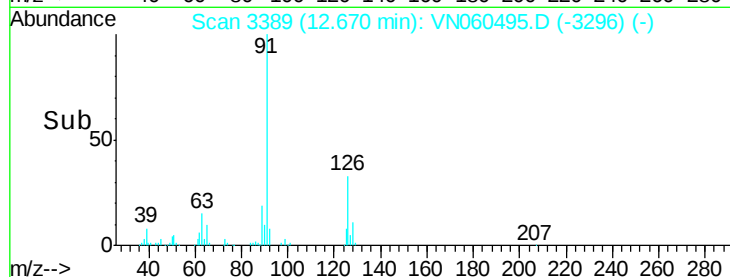
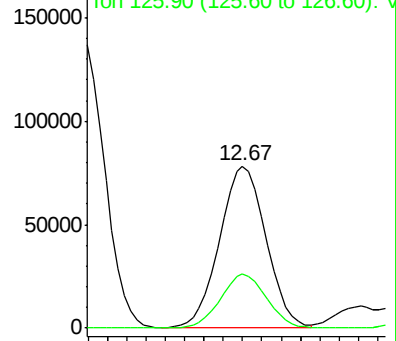
APPROVED

MMDadoda

3/16/2020 2:04:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VN060495.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.426 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060495.D

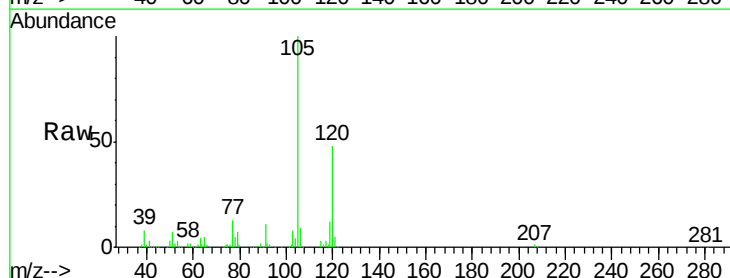
Acq: 13 Mar 2020 12:25

Tgt Ion: 105 Resp: 159048

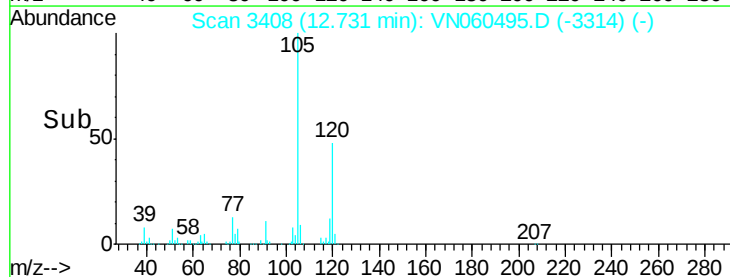
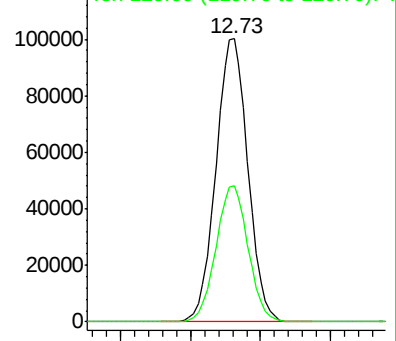
Ion Ratio Lower Upper

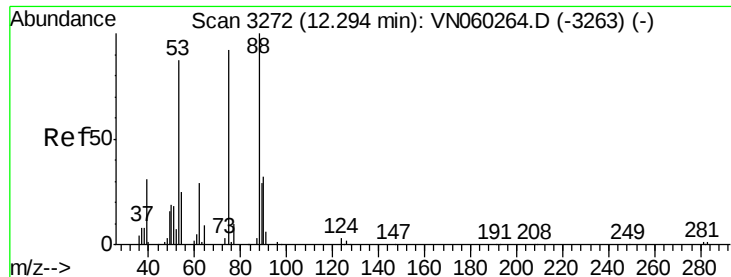
105 100

120 48.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060495.D (-3393) (-)





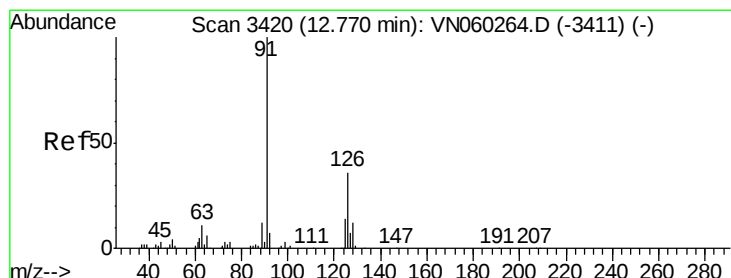
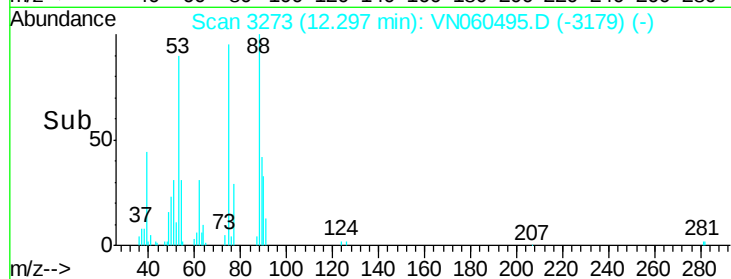
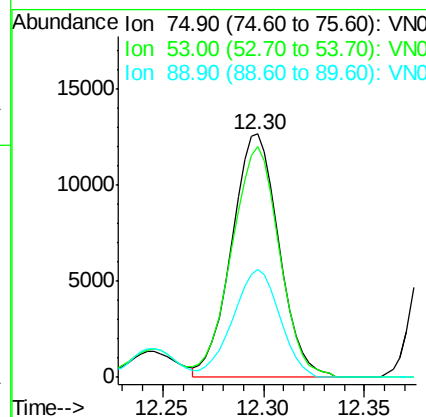
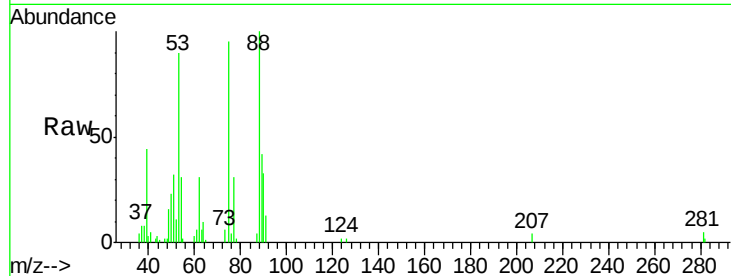
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.914 ug/l  
RT: 12.30 min Scan# 3273  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 95.5  | 73.8  | 110.6 |
| 89      | 44.3  | 57.1  | 85.7# |

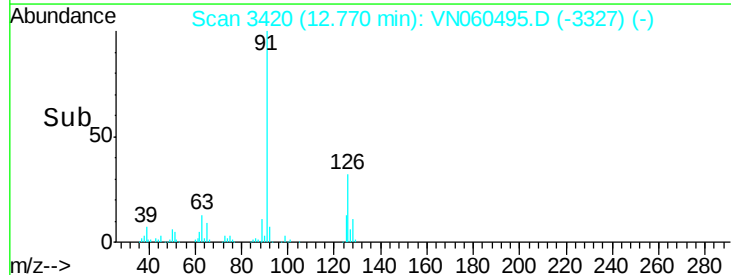
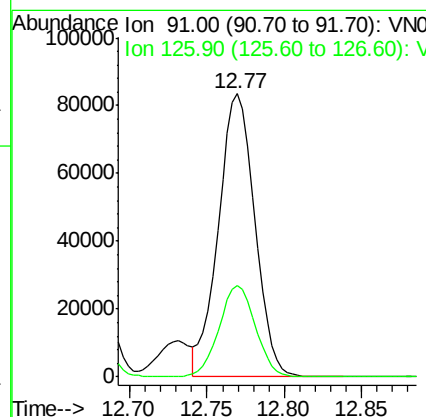
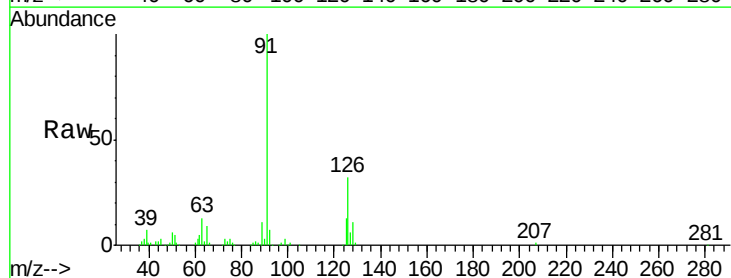
Manual Integrations  
APPROVED

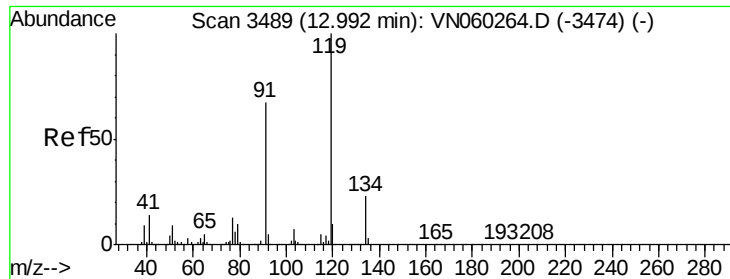
MMDadoda  
3/16/2020 2:04:49 PM



#82  
4-Chlorotoluene  
Concen: 18.391 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.1  | 16.7  | 50.1  |





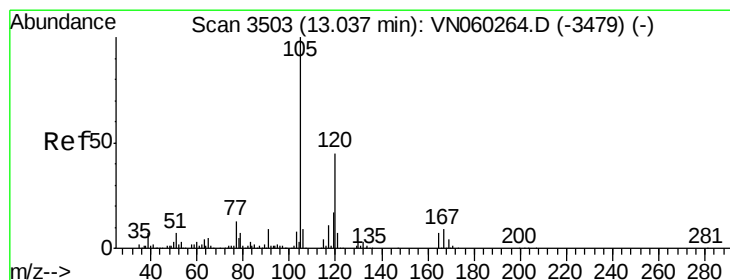
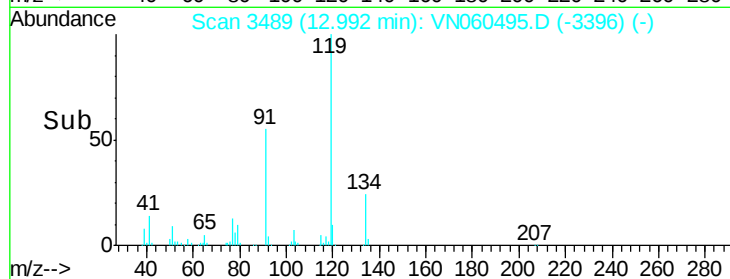
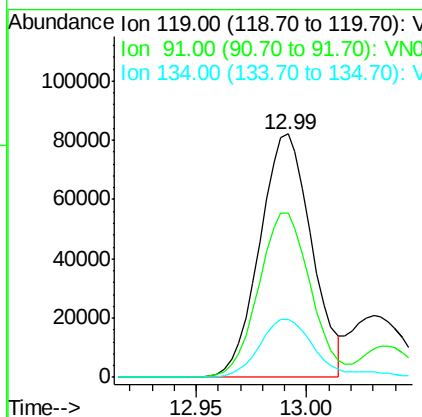
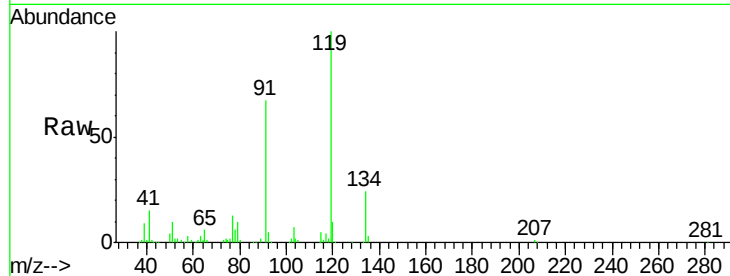
#83  
 tert-Butylbenzene  
 Concen: 17.943 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.5  | 33.1  | 99.2  |
| 134     | 26.0  | 12.4  | 37.0  |

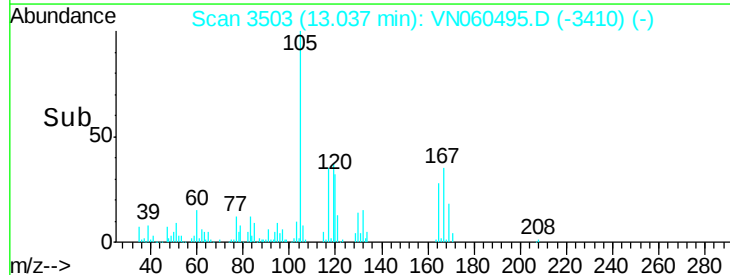
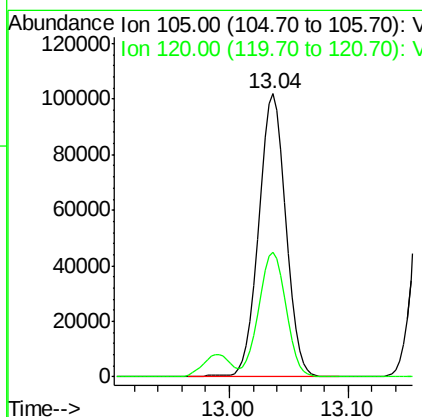
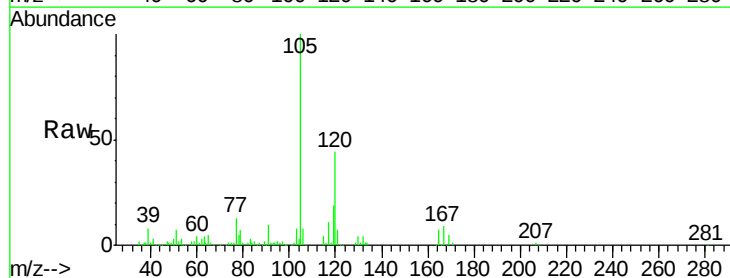
Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 2:04:49 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.460 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.3  | 22.3  | 66.9  |





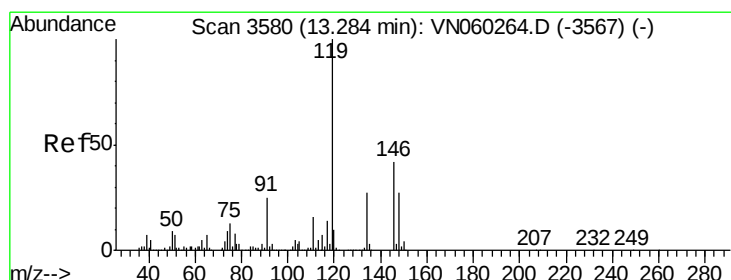
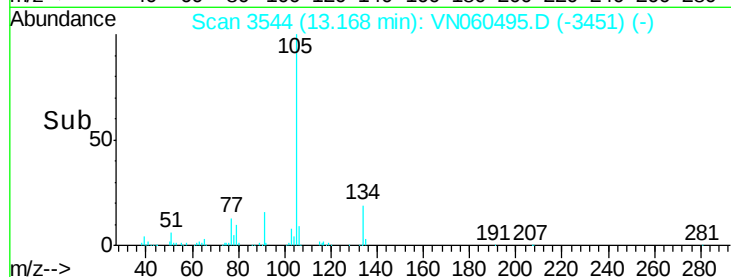
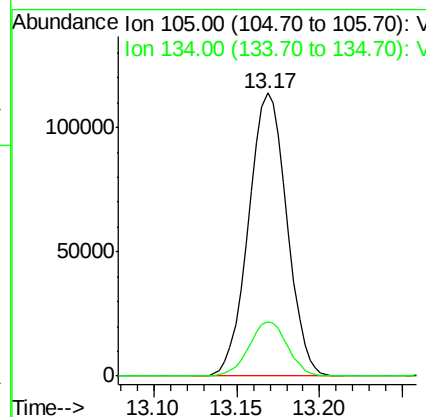
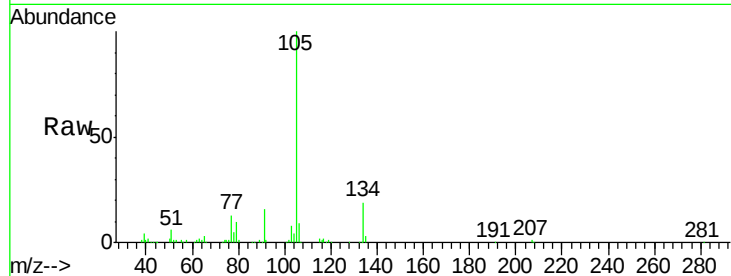
#85  
 sec-Butylbenzene  
 Concen: 18.260 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0313WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 182744 |       |       |
| 134     | 19.2  | 9.8    | 29.5  |       |

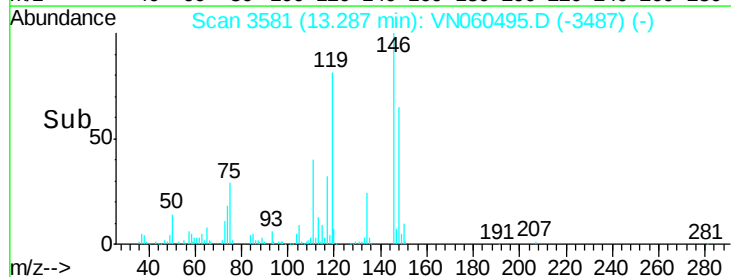
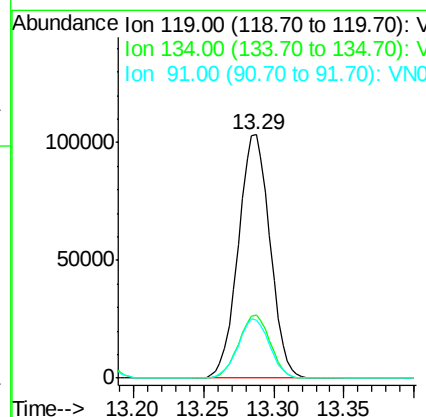
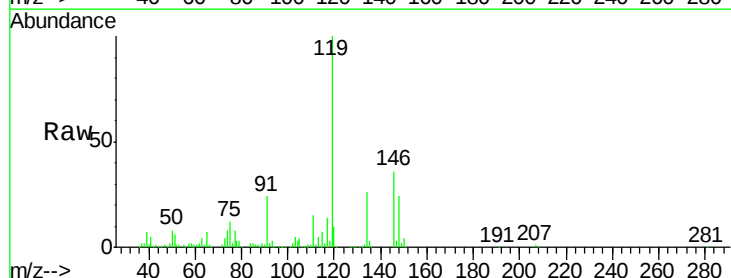
Manual Integrations  
 APPROVED

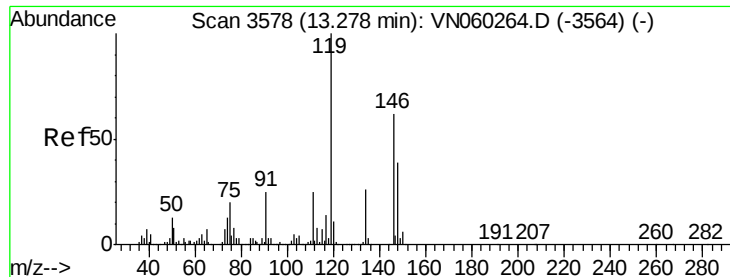
MMDadoda  
 3/16/2020 2:04:49 PM



#86  
 p-Isopropyltoluene  
 Concen: 17.625 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 163253 |       |       |
| 134     | 25.7  | 13.2   | 39.6  |       |
| 91      | 24.3  | 12.2   | 36.6  |       |





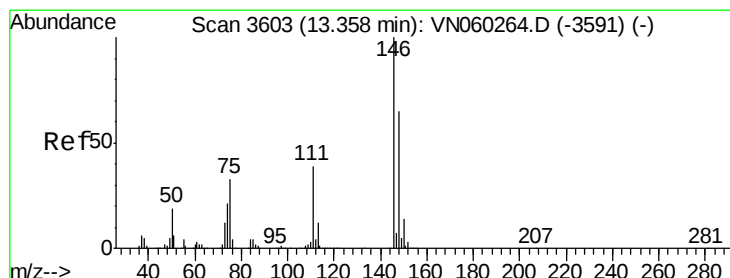
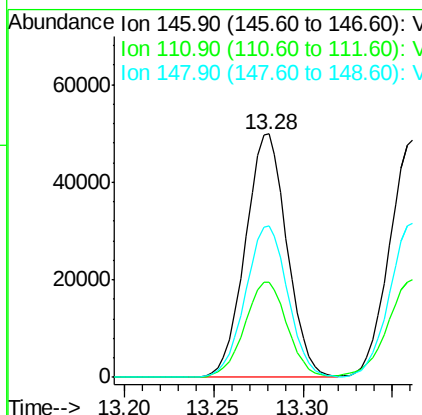
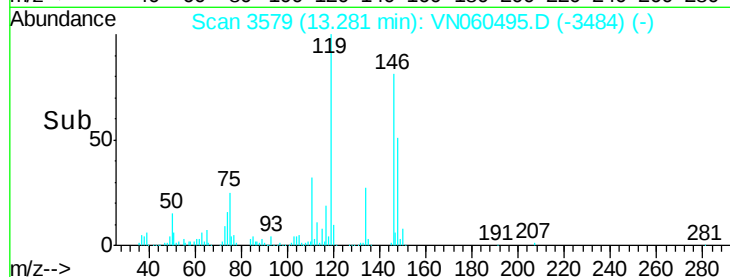
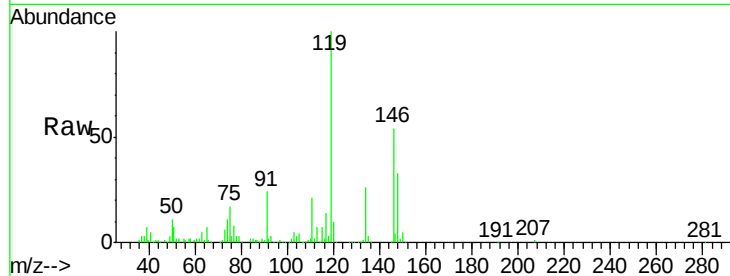
#87  
 1,3-Dichlorobenzene  
 Concen: 18.745 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.9  | 20.0  | 59.9  |
| 148     | 63.3  | 32.1  | 96.3  |

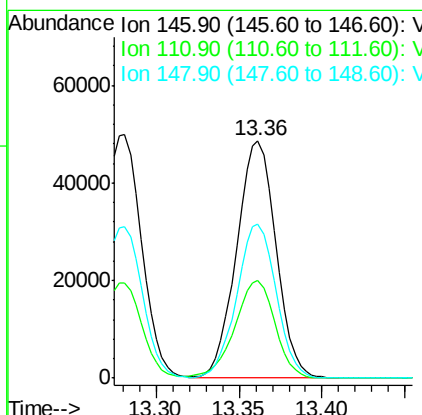
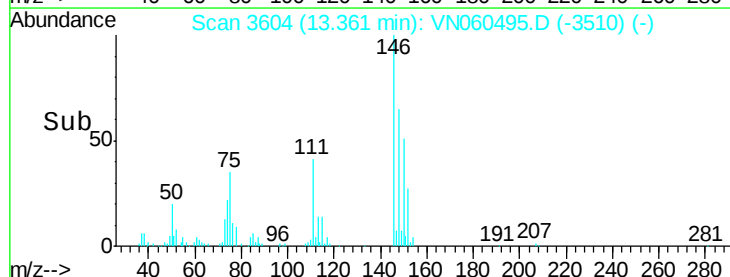
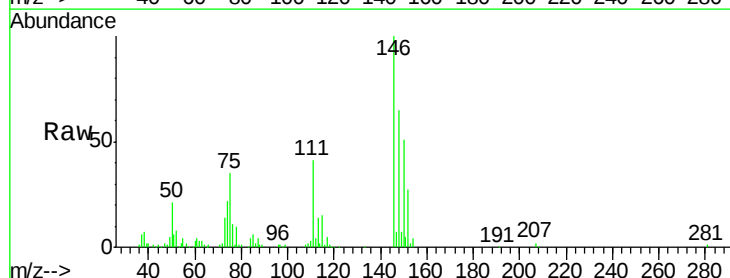
Manual Integrations  
 APPROVED

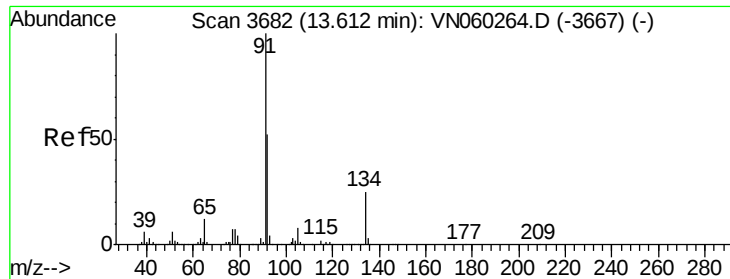
MMDadoda  
 3/16/2020 2:04:49 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 18.558 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.9  | 19.8  | 59.4  |
| 148     | 64.8  | 32.3  | 96.9  |





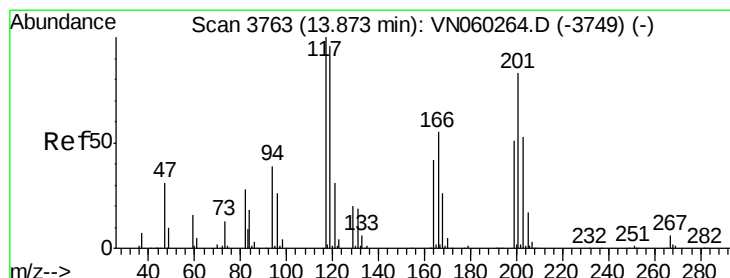
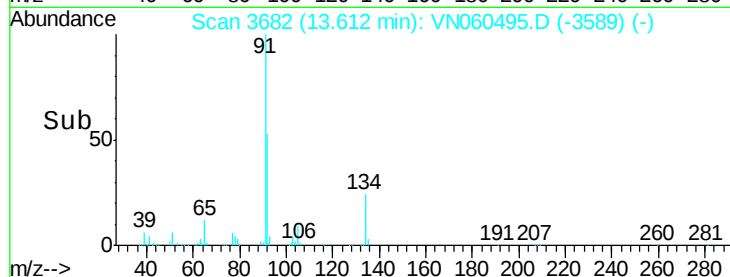
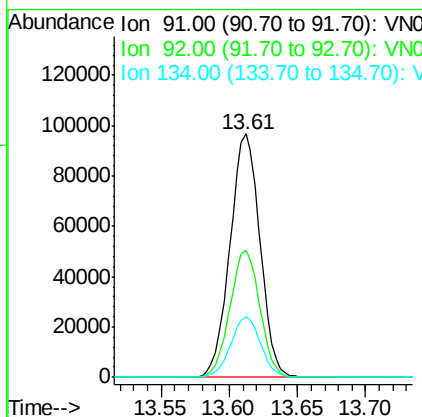
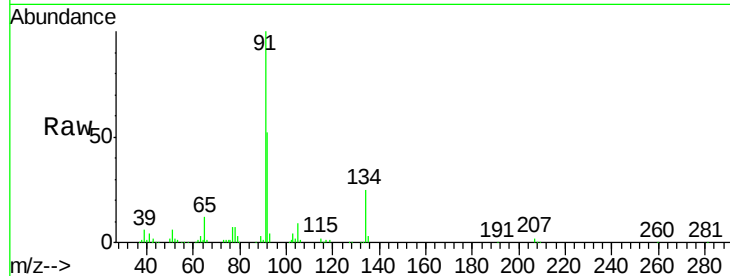
#89  
n-Butylbenzene  
Concen: 17.366 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.9  | 26.0  | 78.0  |
| 134     | 24.7  | 12.7  | 38.1  |

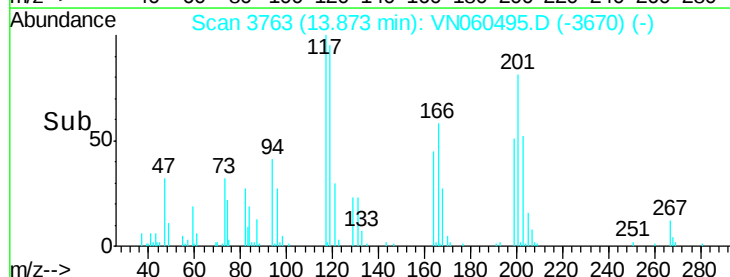
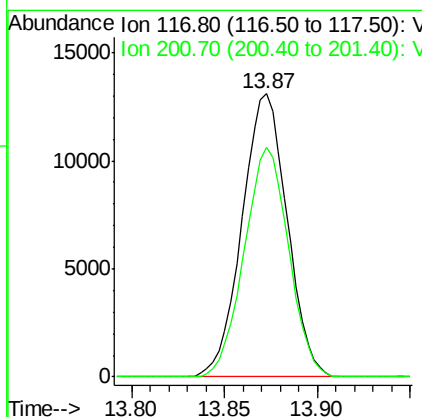
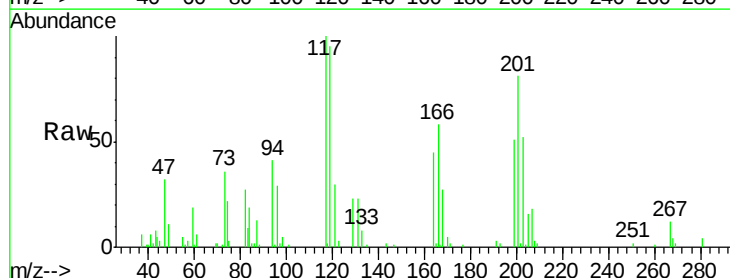
Manual Integrations  
APPROVED

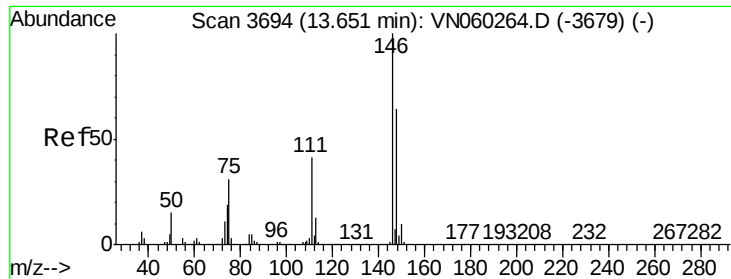
MMDadoda  
3/16/2020 2:04:49 PM



#90  
Hexachloroethane  
Concen: 16.479 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 79.7  | 41.0  | 123.0 |





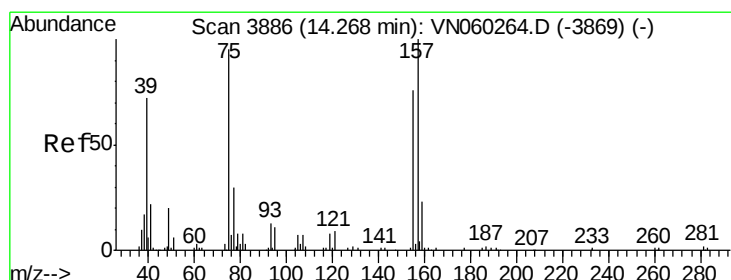
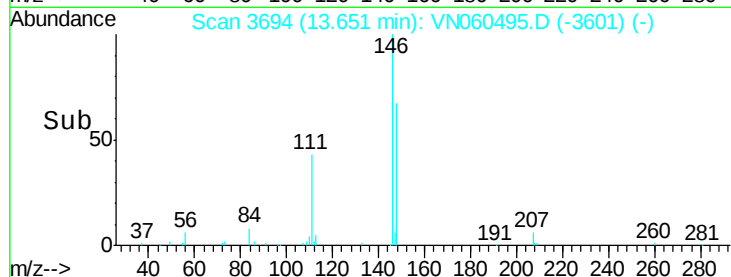
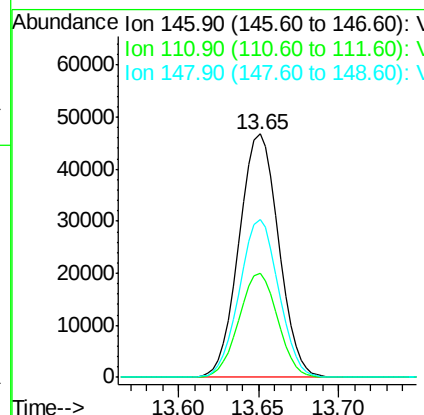
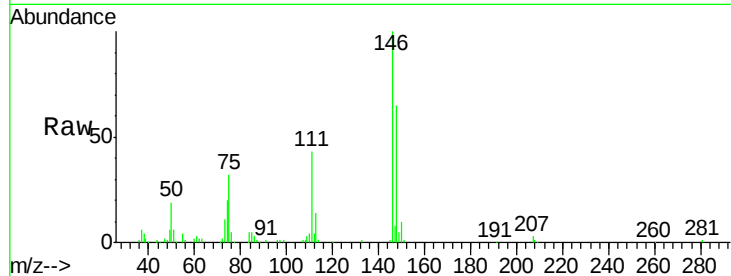
#91  
 1,2-Dichlorobenzene  
 Concen: 17.899 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.9  | 20.3  | 61.0  |
| 148     | 64.2  | 31.8  | 95.3  |

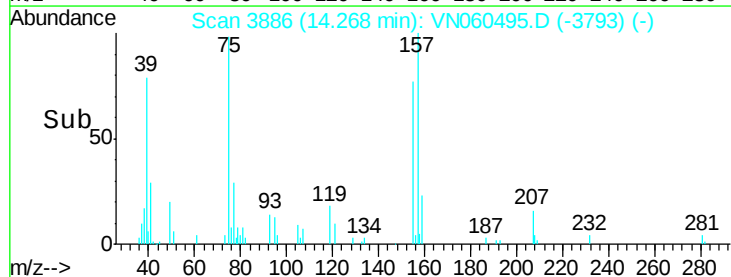
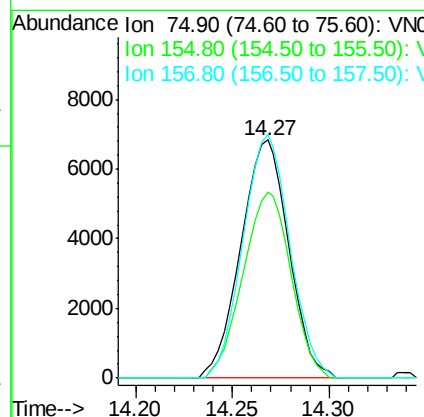
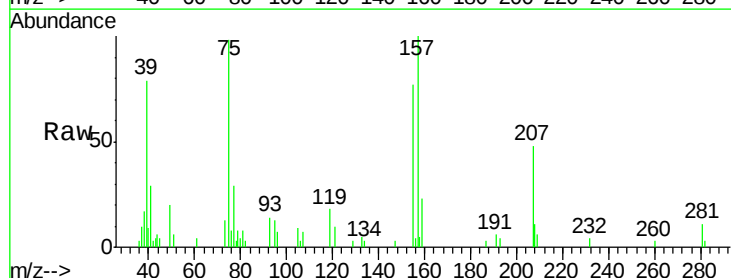
Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 2:04:49 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.688 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.1  | 40.4  | 121.2 |
| 157     | 100.2 | 52.5  | 157.5 |





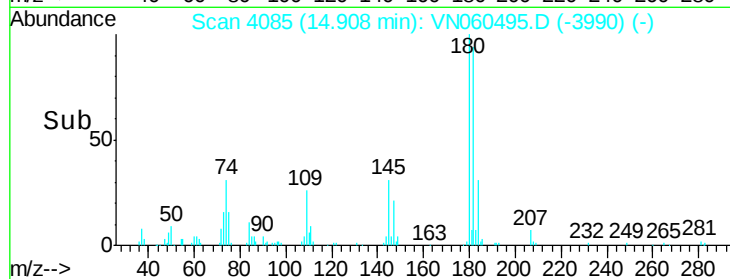
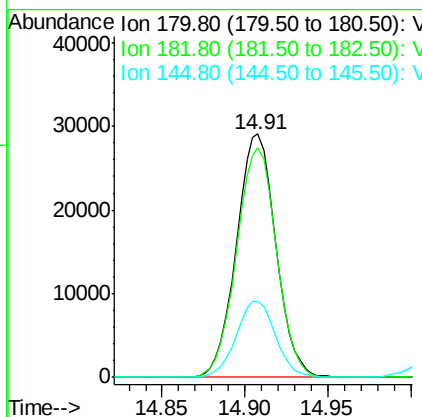
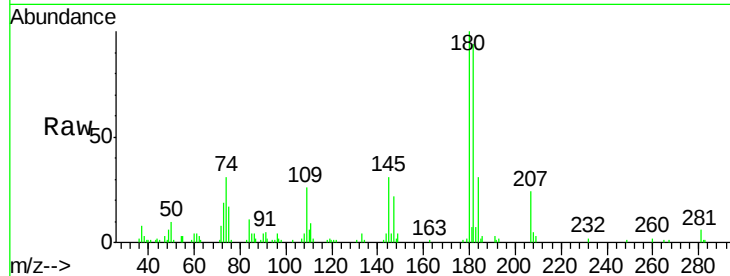
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.285 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0313WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 48203 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.3  | 47.8  | 143.3 |
| 145       | 31.1  | 15.4  | 46.1  |

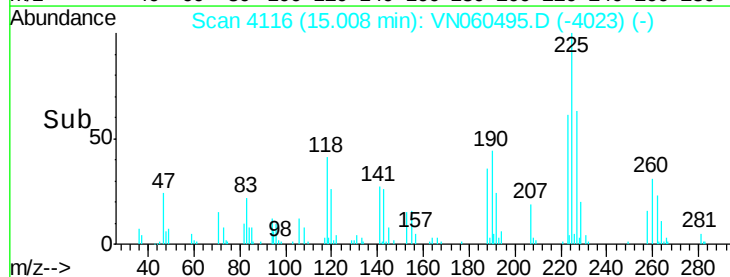
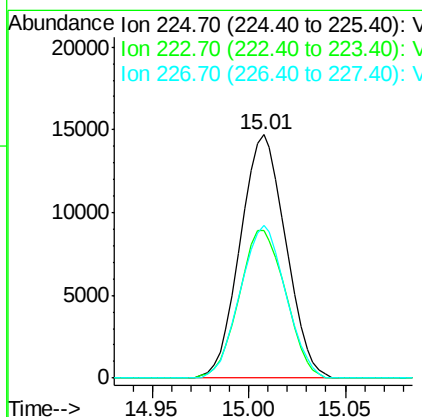
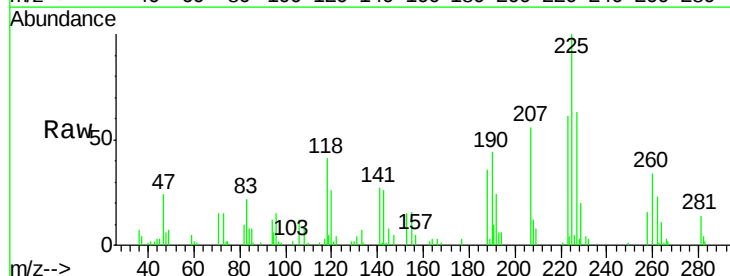
Manual Integrations  
 APPROVED

MMDadoda  
 3/16/2020 2:04:49 PM



#94  
 Hexachlorobutadiene  
 Concen: 18.323 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN060495.D  
 Acq: 13 Mar 2020 12:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 24034 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 61.8  | 31.3  | 93.9  |
| 227       | 62.7  | 32.3  | 96.9  |





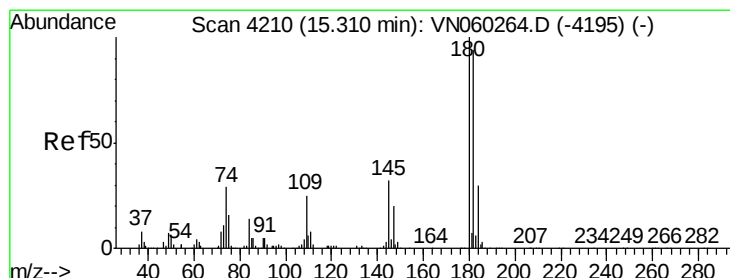
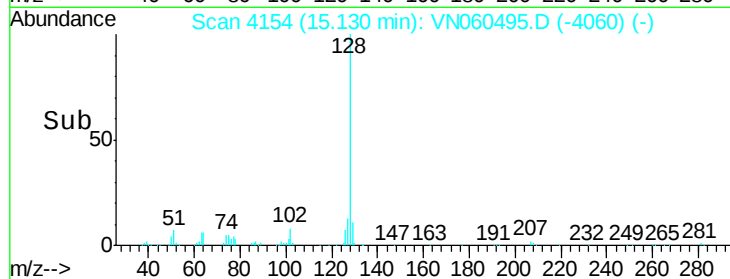
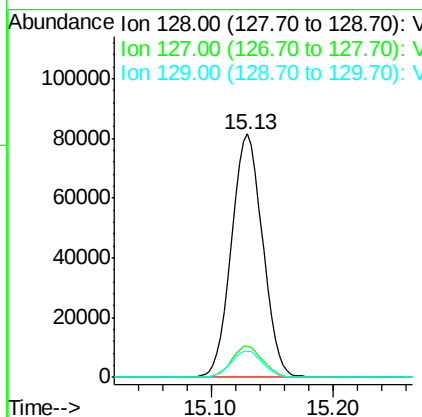
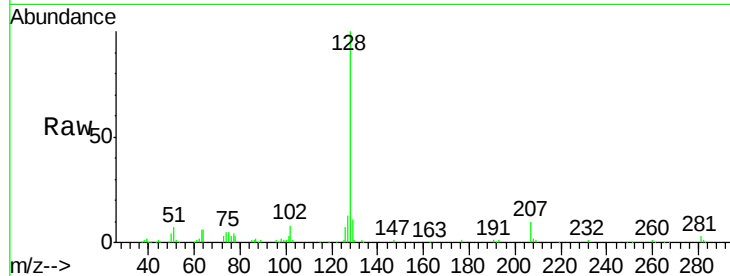
#95  
Naphthalene  
Concen: 17.413 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0313WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.4  | 15.6  |
| 129     | 11.0  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

MMDadoda  
3/16/2020 2:04:49 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 17.801 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. 0.00 min  
Lab File: VN060495.D  
Acq: 13 Mar 2020 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 47.3  | 142.0 |
| 145     | 32.3  | 16.2  | 48.5  |

