

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\  
 Data File : VN058337.D  
 Acq On : 24 Sep 2019 10:30  
 Operator : JC/SP  
 Sample : VSTDICCC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Manual Integrations  
 APPROVED

MMDadoda  
 9/25/2019 8:22:51 AM

Quant Time: Sep 25 01:26:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Sep 25 01:14:34 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.18  | 128  | 87079    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.57  | 114  | 516555   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 459778   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.01   | 65    | 234048   | 30.60    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 102.00% |
| 60) 4-Bromofluorobenzene  | 12.41  | 95    | 234558   | 29.68    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 98.93%  |
| 63) Toluene-d8            | 10.09  | 98    | 657600   | 29.94    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 99.80%  |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 108002 | 20.355  | ug/l 100   |
| 3) Chloromethane              | 2.04 | 50  | 119497 | 18.514  | ug/l 100   |
| 4) Vinyl Chloride             | 2.17 | 62  | 122182 | 18.583  | ug/l 100   |
| 5) Bromomethane               | 2.55 | 94  | 61375  | 15.612  | ug/l 100   |
| 6) Chloroethane               | 2.69 | 64  | 73013  | 18.027  | ug/l 100   |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 146779 | 19.642  | ug/l 100   |
| 8) Diethyl Ether              | 3.39 | 74  | 62212  | 19.866  | ug/l 100   |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 97278  | 20.050  | ug/l 100   |
| 10) 1,1-Dichloroethene        | 3.72 | 96  | 95404  | 20.469  | ug/l 100   |
| 11) Methyl Iodide             | 3.93 | 142 | 86936  | 14.898  | ug/l 100   |
| 12) Methyl Acetate            | 4.30 | 43  | 121484 | 19.384  | ug/l 100   |
| 13) Acrolein                  | 3.59 | 56  | 18431  | 57.883  | ug/l 100   |
| 14) Acrylonitrile             | 4.96 | 53  | 257268 | 99.667  | ug/l 100   |
| 15) Acetone                   | 3.80 | 58  | 76770  | 105.363 | ug/l 100   |
| 16) Carbon Disulfide          | 4.03 | 76  | 246196 | 22.015  | ug/l 100   |
| 17) Allyl chloride            | 4.30 | 41  | 175093 | 20.404  | ug/l 100   |
| 18) Methylene Chloride        | 4.53 | 84  | 112807 | 19.447  | ug/l 100   |
| 19) trans-1,2-Dichloroethene  | 5.01 | 96  | 106189 | 20.447  | ug/l 100   |
| 20) Diisopropyl ether         | 5.93 | 45  | 370963 | 18.918  | ug/l 100   |
| 21) 1,1-Dichloroethane        | 5.83 | 63  | 209747 | 19.402  | ug/l 100   |
| 22) cis-1,2-Dichloroethene    | 6.81 | 96  | 123135 | 19.580  | ug/l 100   |
| 23) tert-Butyl Alcohol        | 4.76 | 59  | 93395  | 108.974 | ug/l 100   |
| 24) Methyl tert-Butyl Ether   | 5.02 | 73  | 338591 | 19.279  | ug/l 100   |
| 25) Chloroform                | 7.36 | 83  | 210945 | 19.147  | ug/l 100   |
| 26) Cyclohexane               | 7.64 | 56  | 194940 | 20.907  | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 7.78 | 75  | 164237 | 19.927  | ug/l 100   |
| 30) 2-Butanone                | 6.82 | 43  | 373871 | 100.977 | ug/l 100   |
| 31) 2,2-Dichloropropane       | 6.81 | 77  | 167214 | 19.235  | ug/l 100   |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 176607 | 19.230  | ug/l 100   |
| 33) Carbon Tetrachloride      | 7.76 | 117 | 148930 | 19.604  | ug/l 100   |
| 34) Benzene                   | 8.03 | 78  | 471014 | 19.441  | ug/l 100   |
| 35) Methacrylonitrile         | 7.16 | 41  | 62284m | 17.815  | ug/l 100   |
| 36) 1,2-Dichloroethane        | 8.11 | 62  | 181833 | 19.357  | ug/l 100   |
| 37) Trichloroethene           | 8.82 | 130 | 116696 | 19.715  | ug/l 100   |
| 38) Methylcyclohexane         | 9.07 | 83  | 193400 | 20.414  | ug/l 100   |
| 39) 1,2-Dichloropropane       | 9.11 | 63  | 126137 | 18.673  | ug/l 100   |
| 40) Dibromomethane            | 9.20 | 93  | 80144  | 19.393  | ug/l 100   |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\  
 Data File : VN058337.D  
 Acq On : 24 Sep 2019 10:30  
 Operator : JC/SP  
 Sample : VSTDICCC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Manual Integrations  
 APPROVED

MMDadoda  
 9/25/2019 8:22:51 AM

Quant Time: Sep 25 01:26:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Sep 25 01:14:34 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 9.39  | 83   | 154454   | 18.528  | ug/l  | 100      |
| 42) Vinyl Acetate              | 5.87  | 43   | 1538335  | 103.630 | ug/l  | 100      |
| 43) Ethyl Acetate              | 6.91  | 43   | 145765   | 19.460  | ug/l  | 100      |
| 44) Isopropyl Acetate          | 8.15  | 43   | 262769   | 19.772  | ug/l  | 100      |
| 45) 1,4-Dioxane                | 9.19  | 88   | 45547    | 428.568 | ug/l  | 100      |
| 46) Methyl methacrylate        | 9.19  | 41   | 121155   | 18.855  | ug/l  | 100      |
| 47) n-amyl Acetate             | 12.07 | 43   | 218346   | 18.132  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 162988   | 18.263  | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene    | 9.83  | 75   | 188661   | 18.807  | ug/l  | 100      |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 111968   | 18.788  | ug/l  | 100      |
| 51) Ethyl methacrylate         | 10.43 | 69   | 170311   | 18.329  | ug/l  | 100      |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 200306   | 19.121  | ug/l  | 100      |
| 53) Dibromochloromethane       | 10.90 | 129  | 106089   | 17.826  | ug/l  | 100      |
| 54) 1,2-Dibromoethane          | 11.00 | 107  | 112187   | 18.794  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether  | 9.69  | 63   | 367827   | 86.146  | ug/l  | 100      |
| 56) Bromoform                  | 12.13 | 173  | 63115    | 17.128  | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone       | 9.98  | 43   | 764726   | 106.354 | ug/l  | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 557338   | 103.199 | ug/l  | 100      |
| 61) Tetrachloroethene          | 10.63 | 164  | 94072    | 19.913  | ug/l  | 100      |
| 62) Toluene                    | 10.15 | 91   | 506616   | 19.830  | ug/l  | 100      |
| 64) Chlorobenzene              | 11.43 | 112  | 307104   | 19.390  | ug/l  | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 103208   | 18.714  | ug/l  | 100      |
| 66) Ethyl Benzene              | 11.51 | 91   | 566355   | 20.254  | ug/l  | 100      |
| 67) m/p-Xylenes                | 11.62 | 106  | 416411   | 38.984  | ug/l  | 100      |
| 68) o-Xylene                   | 11.95 | 106  | 201641   | 19.237  | ug/l  | 100      |
| 69) Styrene                    | 11.97 | 104  | 333734   | 18.787  | ug/l  | 100      |
| 70) Isopropylbenzene           | 12.25 | 105  | 547571   | 19.898  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 163442   | 19.008  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane     | 12.56 | 75   | 143875m  | 18.854  | ug/l  | 100      |
| 73) Bromobenzene               | 12.53 | 156  | 125377   | 18.883  | ug/l  | 100      |
| 74) n-propylbenzene            | 12.60 | 91   | 640765   | 20.334  | ug/l  | 100      |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 377764   | 19.206  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 463830   | 19.720  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 40264    | 17.405  | ug/l  | 100      |
| 78) 4-Chlorotoluene            | 12.78 | 91   | 386851   | 19.196  | ug/l  | 100      |
| 79) tert-butylbenzene          | 13.00 | 119  | 386970   | 18.987  | ug/l  | 100      |
| 80) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 467824   | 19.918  | ug/l  | 100      |
| 81) sec-Butylbenzene           | 13.18 | 105  | 537823   | 19.738  | ug/l  | 100      |
| 82) p-Isopropyltoluene         | 13.30 | 119  | 472948   | 19.464  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene        | 13.29 | 146  | 228335   | 18.602  | ug/l  | 100      |
| 84) 1,4-Dichlorobenzene        | 13.37 | 146  | 224192   | 18.500  | ug/l  | 100      |
| 85) n-Butylbenzene             | 13.62 | 91   | 428411   | 18.968  | ug/l  | 100      |
| 86) Hexachloroethane           | 13.88 | 117  | 68532    | 17.528  | ug/l  | 100      |
| 87) 1,2-Dichlorobenzene        | 13.66 | 146  | 225342   | 18.838  | ug/l  | 100      |
| 88) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 29704    | 19.236  | ug/l  | 100      |
| 89) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 135724   | 18.508  | ug/l  | 100      |
| 90) Hexachlorobutadiene        | 15.02 | 225  | 68186    | 20.117  | ug/l  | 100      |
| 91) Naphthalene                | 15.14 | 128  | 376149   | 18.753  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 130220   | 18.679  | ug/l  | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\  
Data File : VN058337.D  
Acq On : 24 Sep 2019 10:30  
Operator : JC/SP  
Sample : VSTDICCC020  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM

Quant Time: Sep 25 01:26:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Sep 25 01:14:34 2019  
Response via : Initial Calibration

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

-----

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

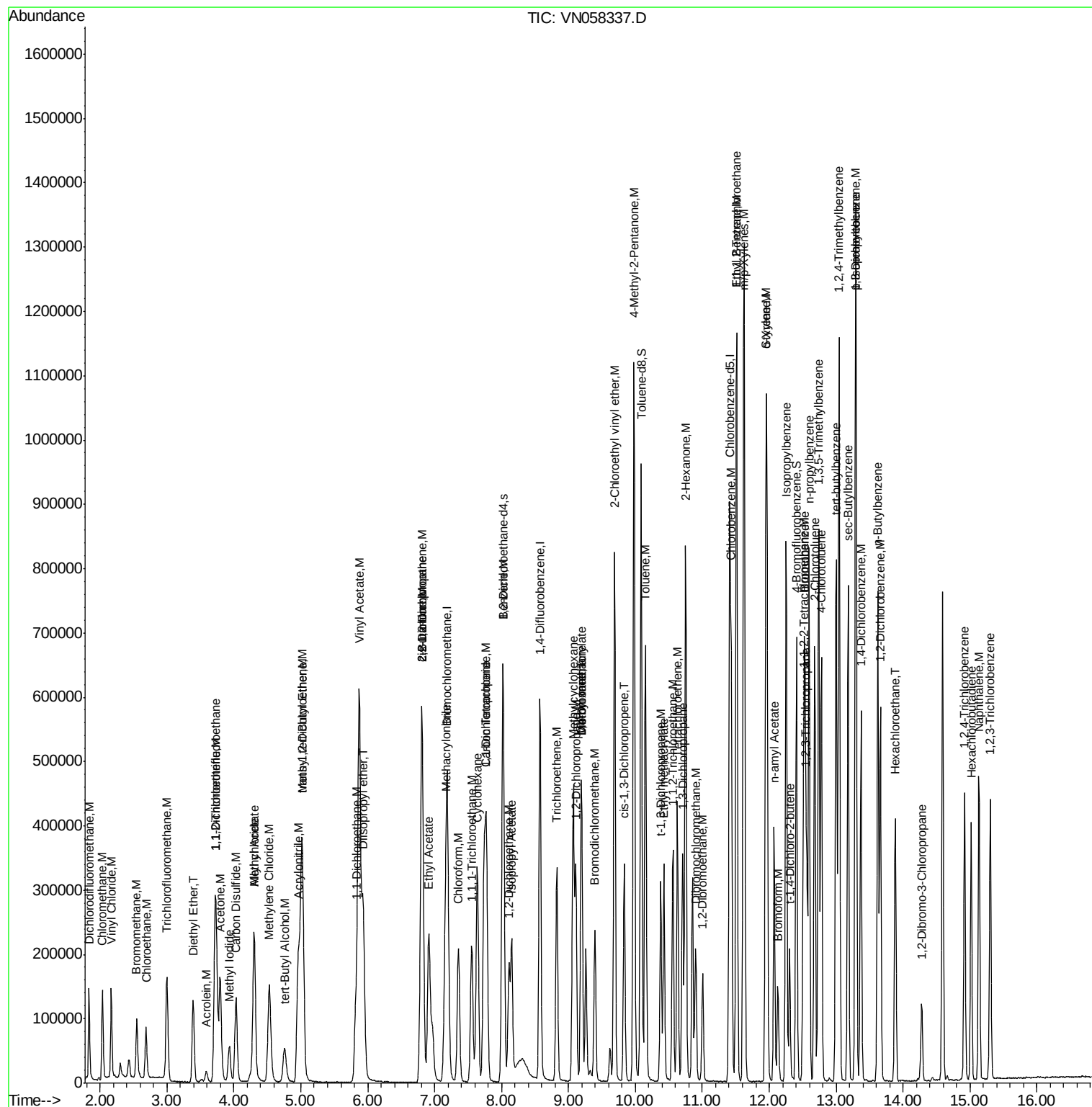
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092419\  
Data File : VN058337.D  
Acq On : 24 Sep 2019 10:30  
Operator : JC/SP  
Sample : VSTDICCC020  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

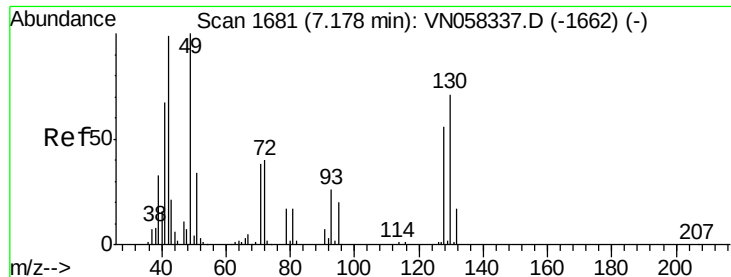
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM

Quant Time: Sep 25 01:26:40 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Sep 25 01:14:34 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tot Ion:128 Resp: 87079

Ion Ratio Lower Upper

128 100

49 183.4 0.0 458.5

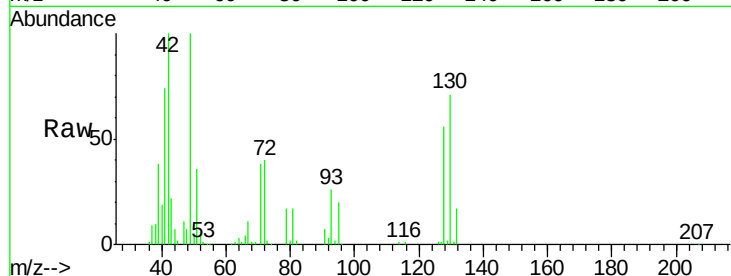
130 128.3 0.0 320.7

Manual Integrations

APPROVED

MMDadoda

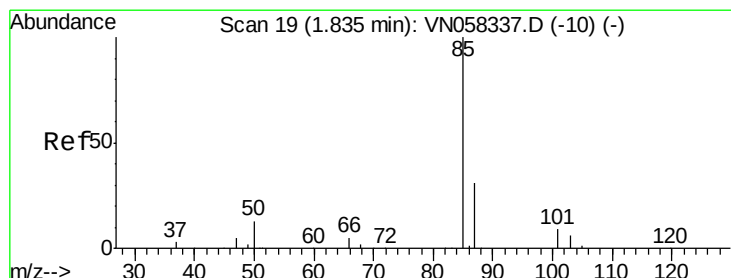
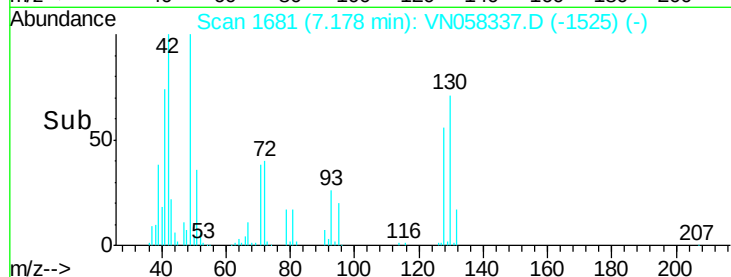
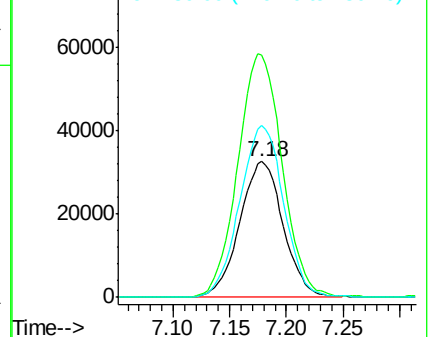
9/25/2019 8:22:51 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.355 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058337.D

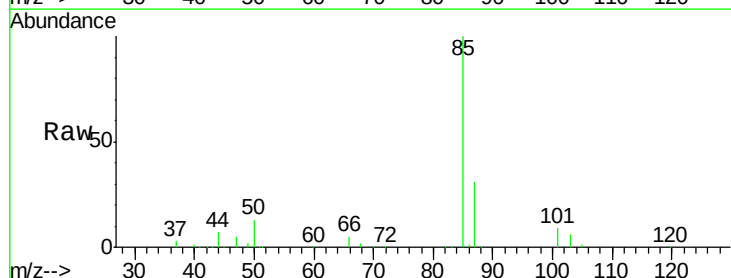
Acq: 24 Sep 2019 10:30

Tgt Ion: 85 Resp: 108002

Ion Ratio Lower Upper

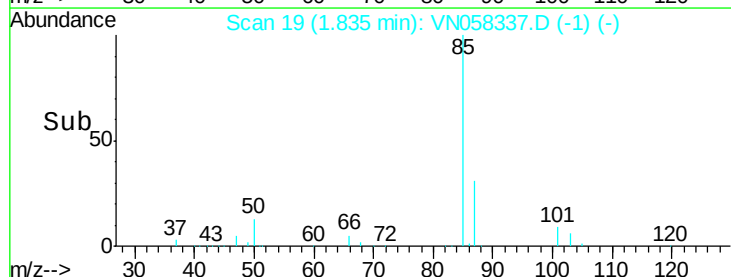
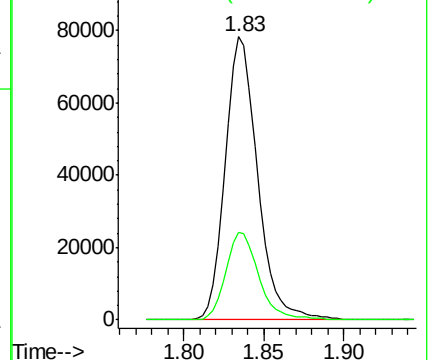
85 100

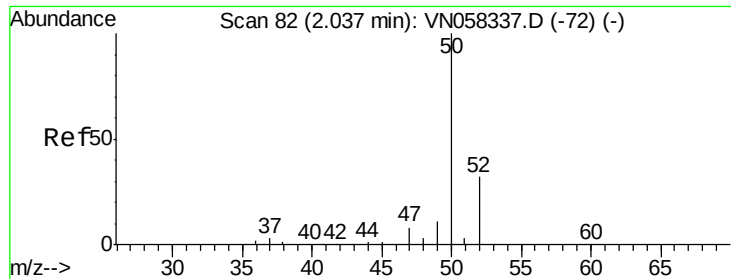
87 31.0 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.514 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 119497

Ion Ratio Lower Upper

50 100

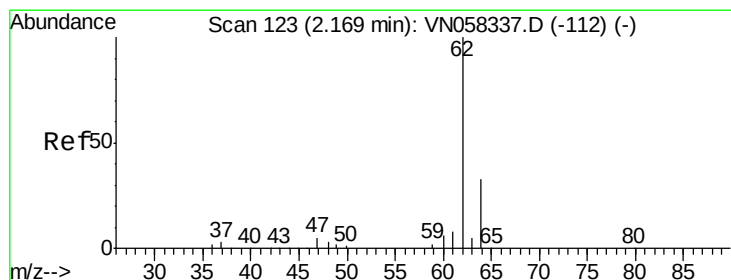
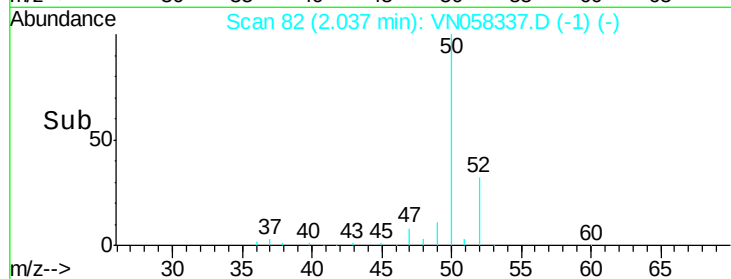
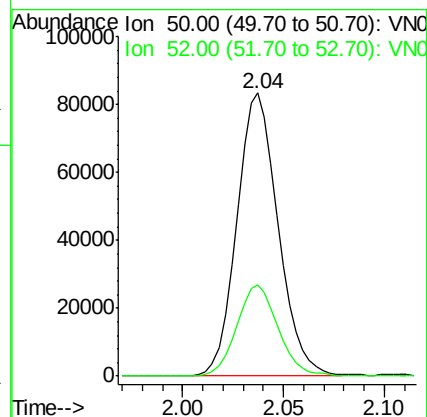
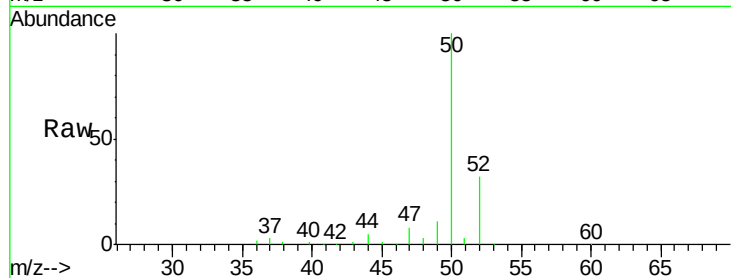
52 32.4 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/25/2019 8:22:51 AM



#4

Vinyl Chloride

Concen: 18.583 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058337.D

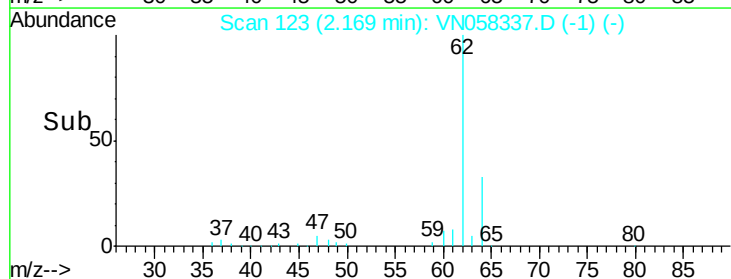
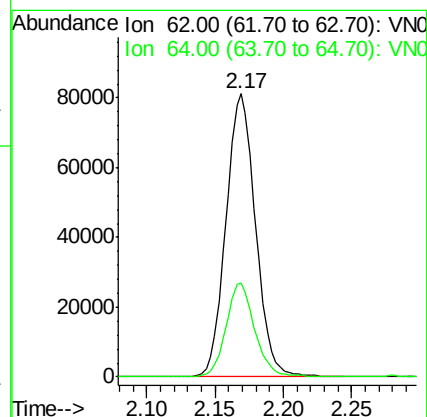
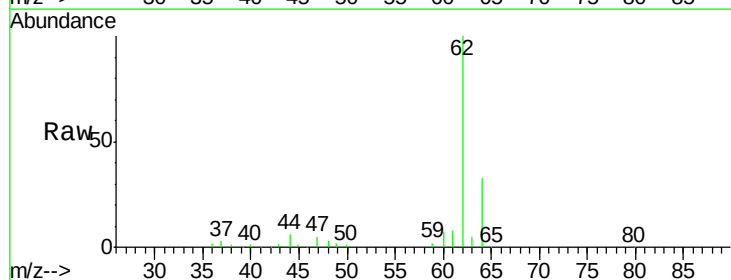
Acq: 24 Sep 2019 10:30

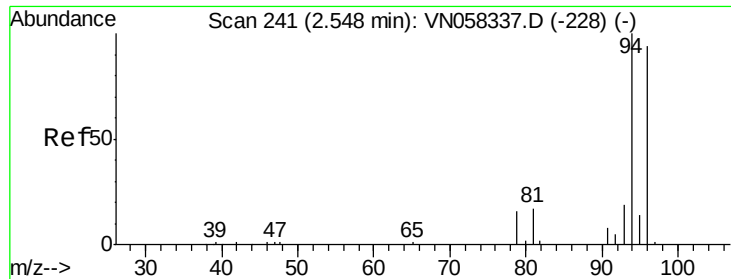
Tgt Ion: 62 Resp: 122182

Ion Ratio Lower Upper

62 100

64 33.3 26.6 40.0





#5

Bromomethane

Concen: 15.612 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 61375

Ion Ratio Lower Upper

94 100

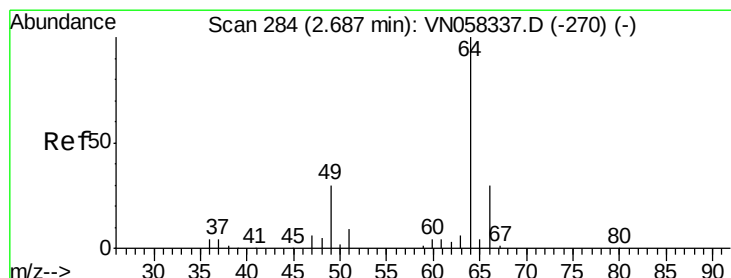
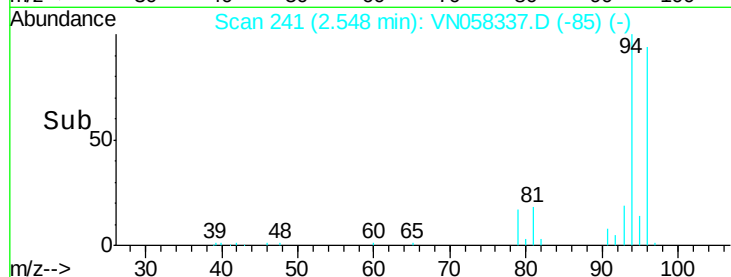
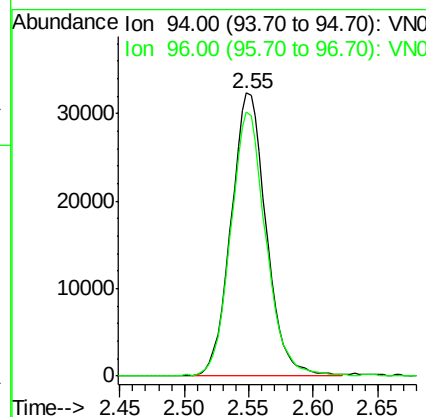
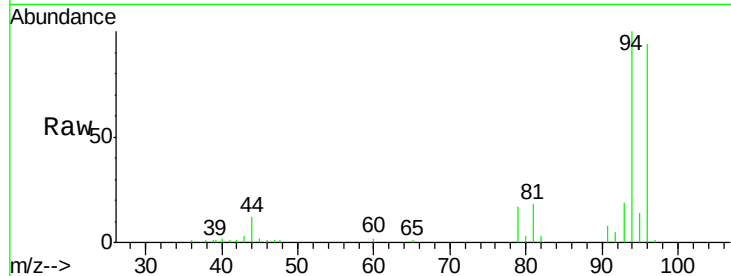
96 93.5 74.8 112.2

Manual Integrations

APPROVED

MMDadoda

9/25/2019 8:22:51 AM



#6

Chloroethane

Concen: 18.027 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058337.D

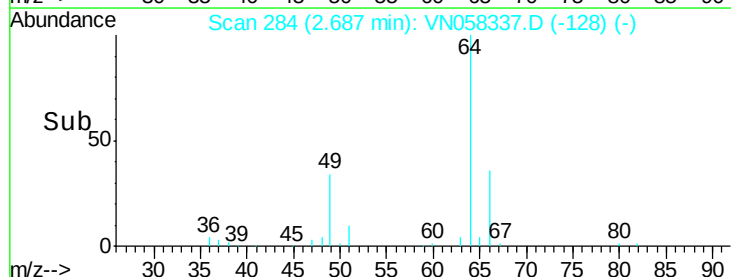
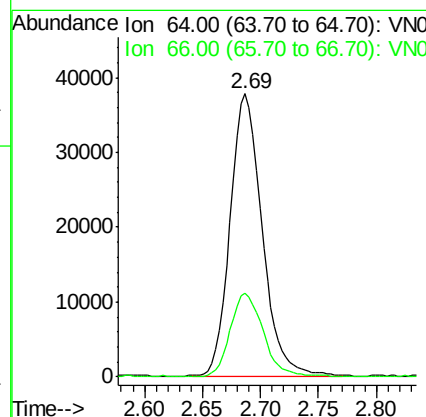
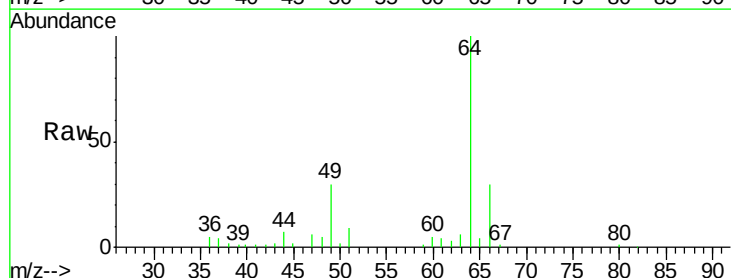
Acq: 24 Sep 2019 10:30

Tgt Ion: 64 Resp: 73013

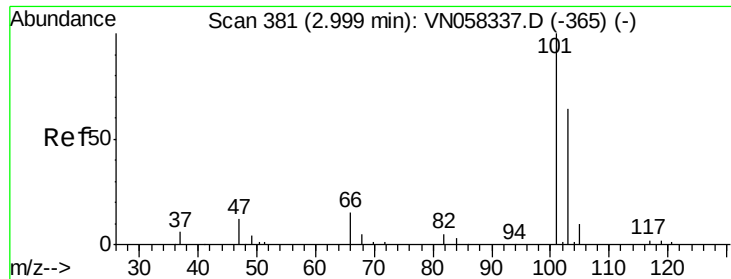
Ion Ratio Lower Upper

64 100

66 29.7 23.8 35.6







#7

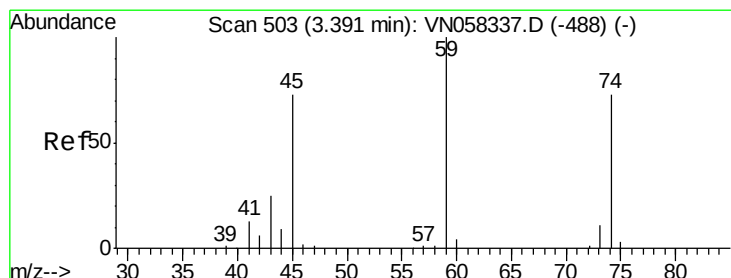
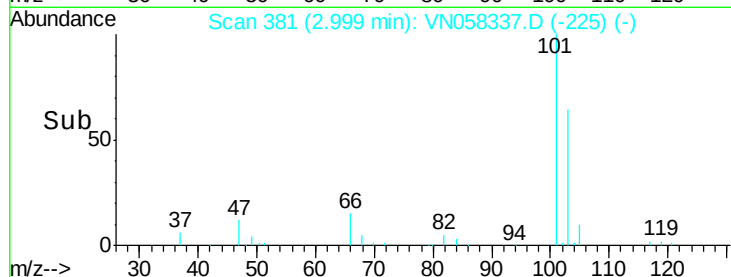
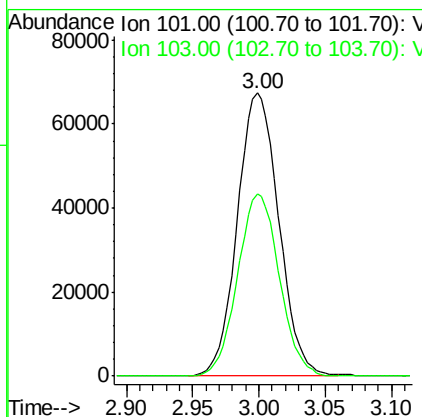
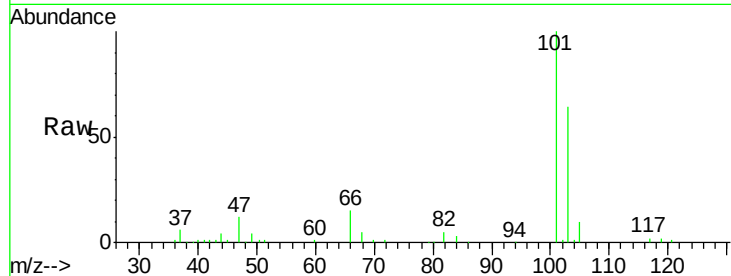
Trichlorofluoromethane  
Concen: 19.642 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.4  | 51.5  | 77.3  |

Manual Integrations  
APPROVED

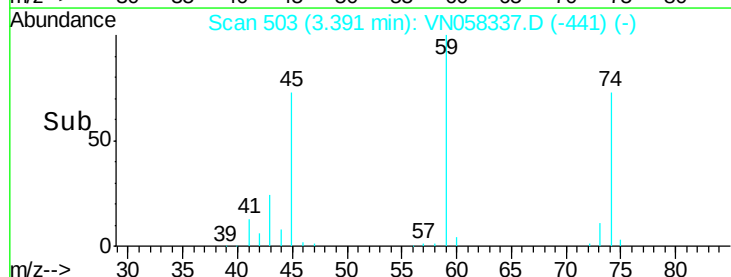
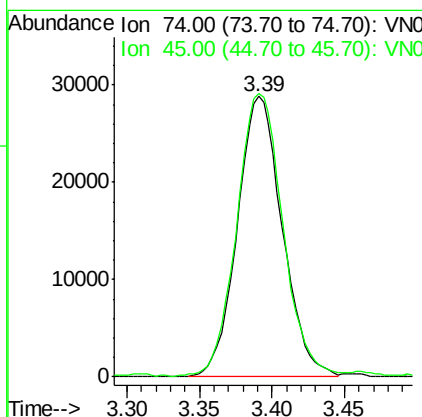
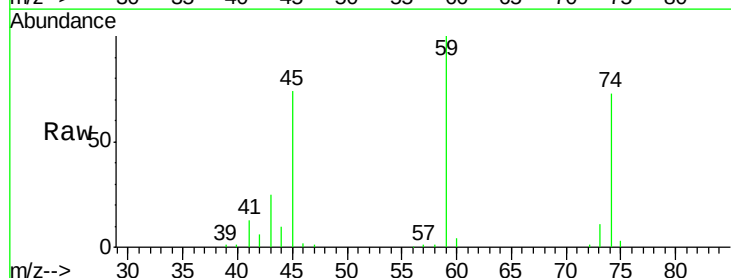
MMDadoda  
9/25/2019 8:22:51 AM



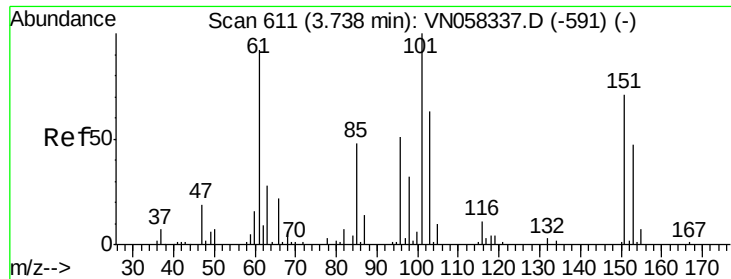
#8

Diethyl Ether  
Concen: 19.866 ug/l  
RT: 3.39 min Scan# 503  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.2 | 20.8  | 187.6 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.050 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

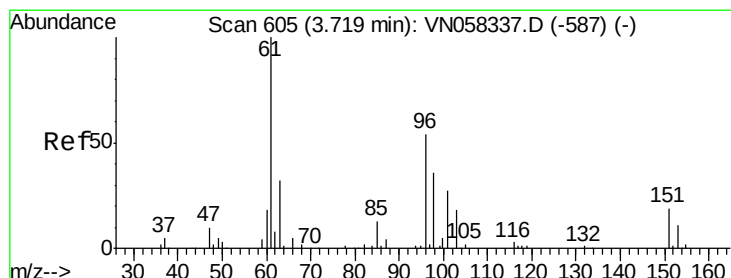
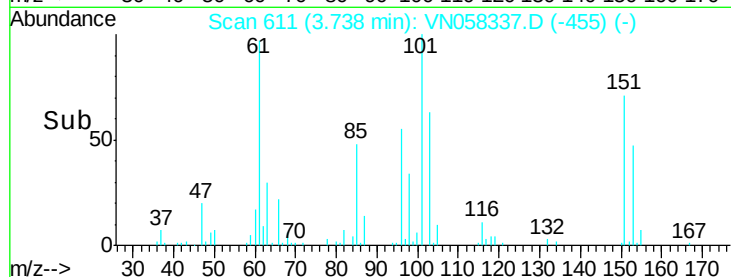
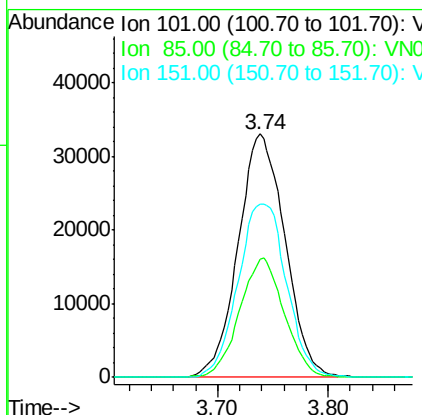
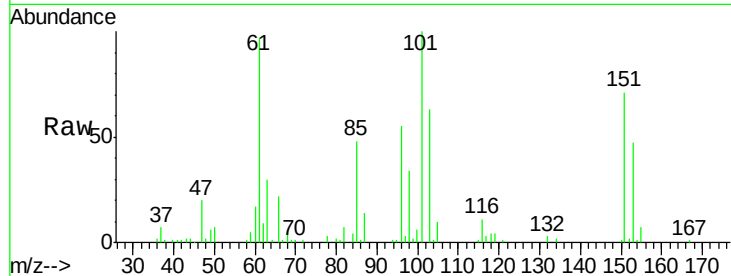
ClientSampleId :

VSTDICCC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 97278 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.5  | 0.0   | 93.0  |
| 151       | 73.6  | 0.0   | 147.2 |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM



#10

1,1-Dichloroethene

Concen: 20.469 ug/l

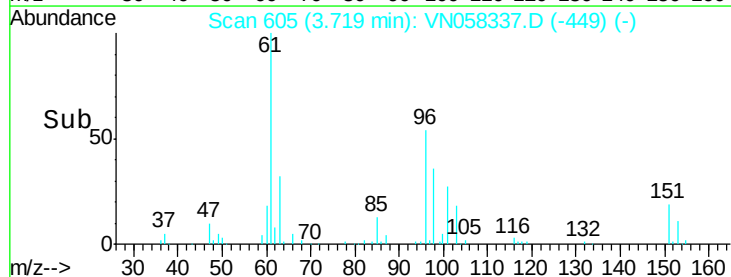
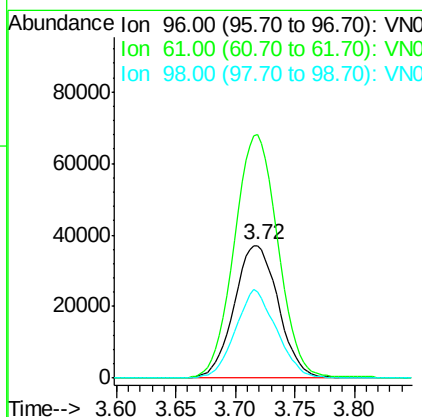
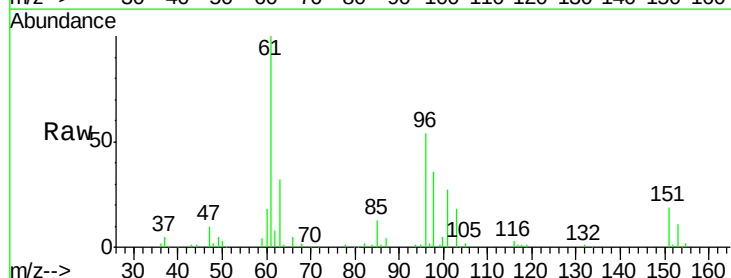
RT: 3.72 min Scan# 605

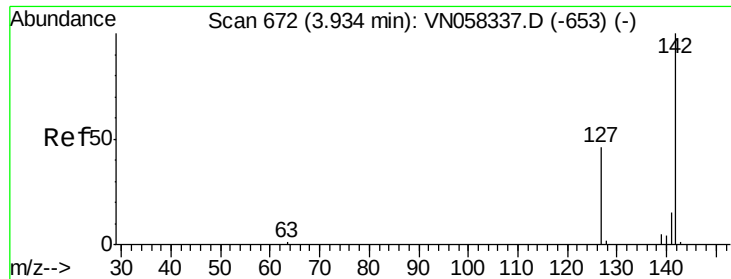
Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 95404 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 183.6 | 146.9 | 220.3 |
| 98        | 65.4  | 52.3  | 78.5  |





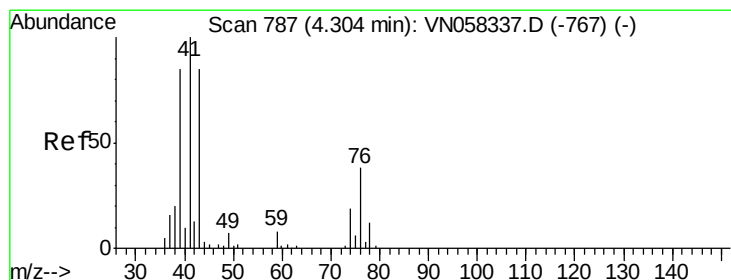
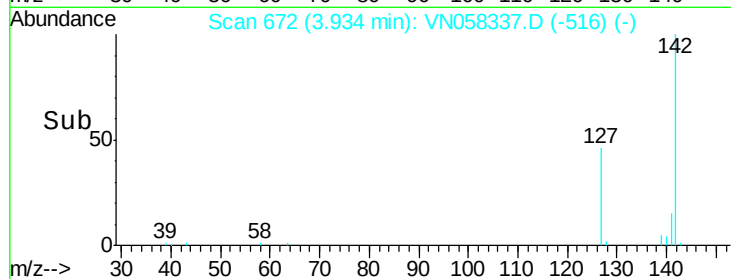
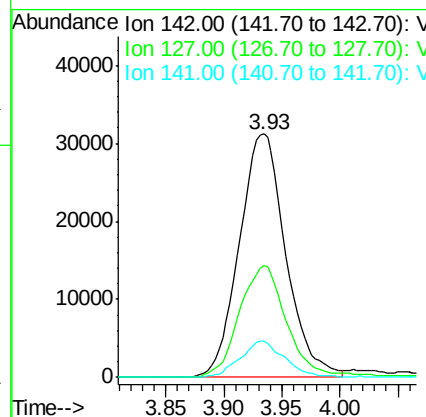
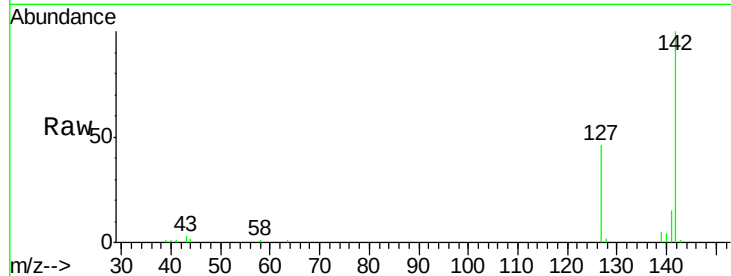
#11  
Methyl Iodide  
Concen: 14.898 ug/l  
RT: 3.93 min Scan# 672  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 45.8  | 22.9  | 68.7  |
| 141     | 14.9  | 7.4   | 22.3  |

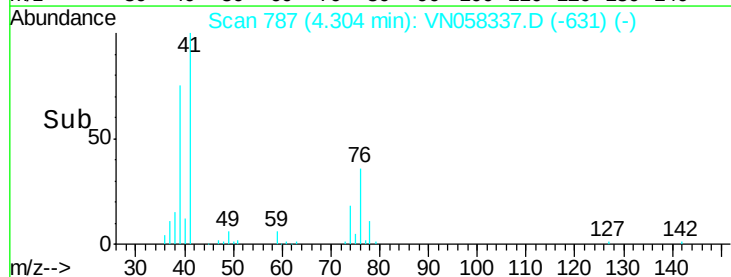
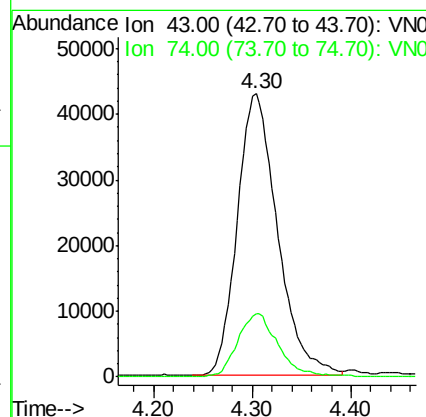
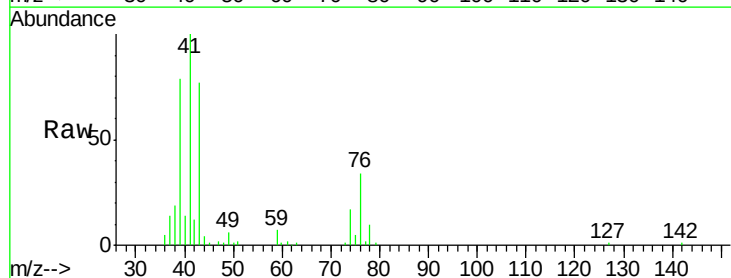
Manual Integrations  
APPROVED

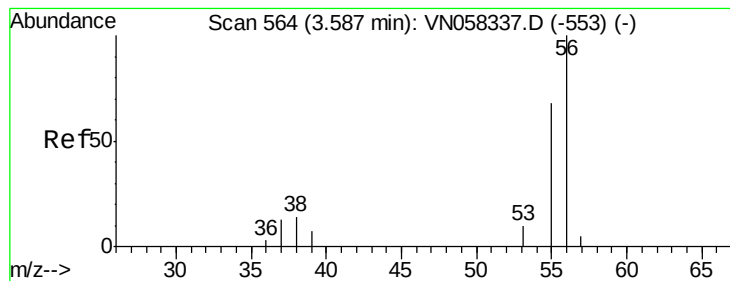
MMDadoda  
9/25/2019 8:22:51 AM



#12  
Methyl Acetate  
Concen: 19.384 ug/l  
RT: 4.30 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.2  | 17.8  | 26.6  |





#13

Acrolein

Concen: 57.883 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 18431

Ion Ratio Lower Upper

56 100

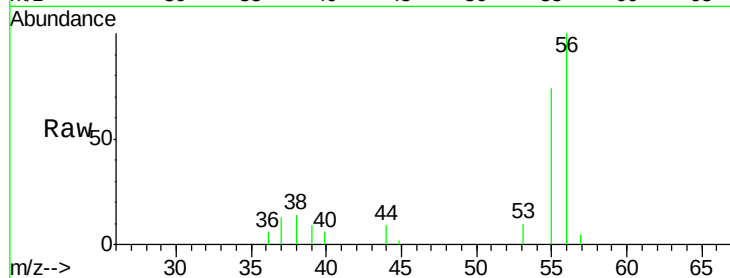
55 73.0 58.4 87.6

Manual Integrations

APPROVED

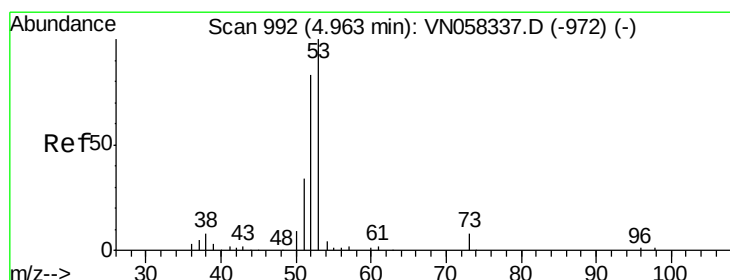
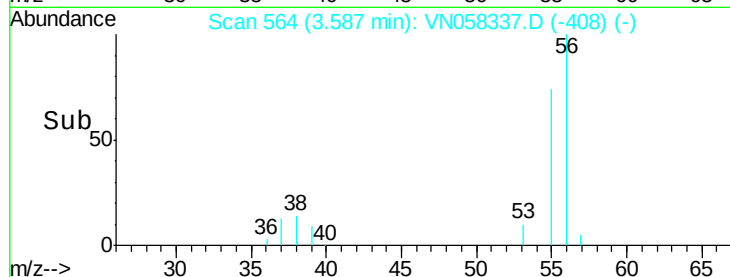
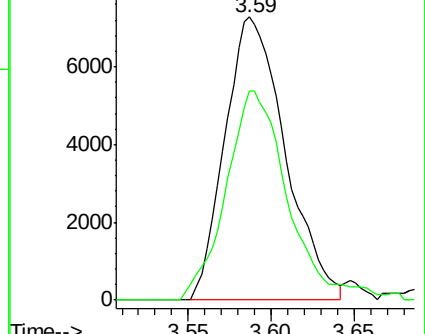
MMDadoda

9/25/2019 8:22:51 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.667 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

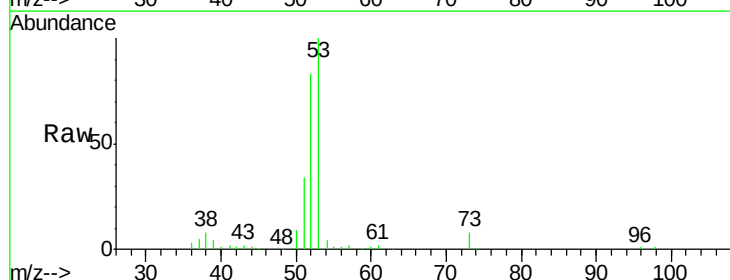
Tgt Ion: 53 Resp: 257268

Ion Ratio Lower Upper

53 100

52 82.5 41.3 123.7

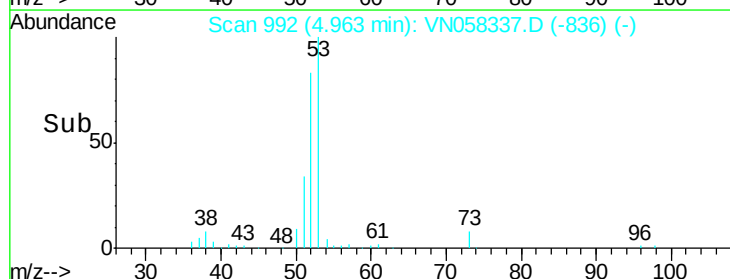
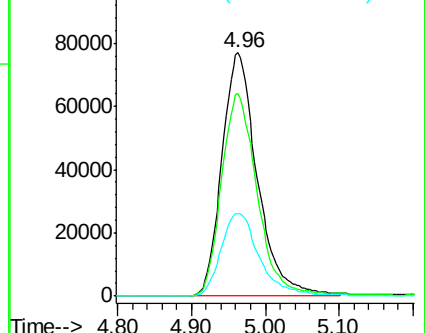
51 36.5 18.3 54.8

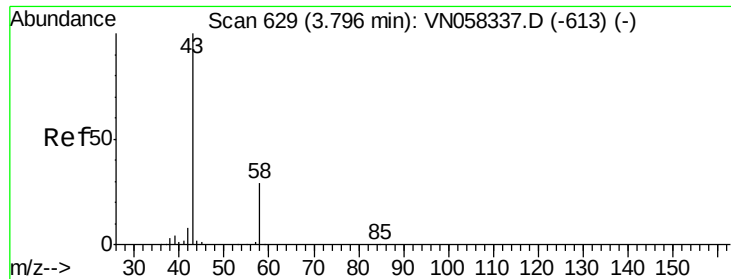


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 105.363 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 76770

Ion Ratio Lower Upper

58 100

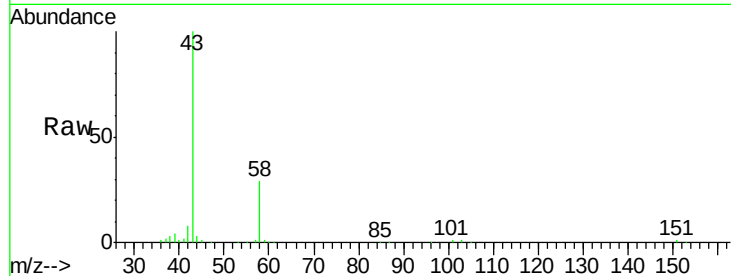
43 340.8 272.6 409.0

Manual Integrations

APPROVED

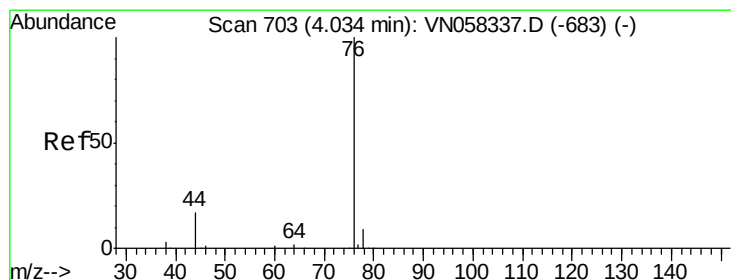
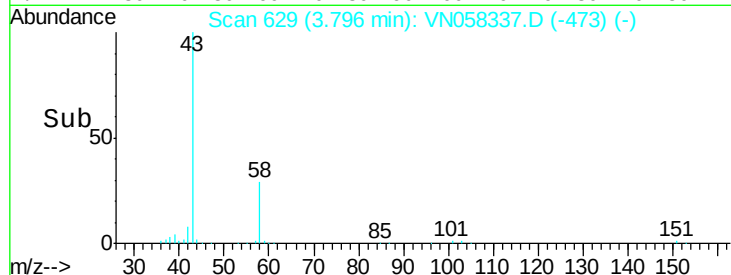
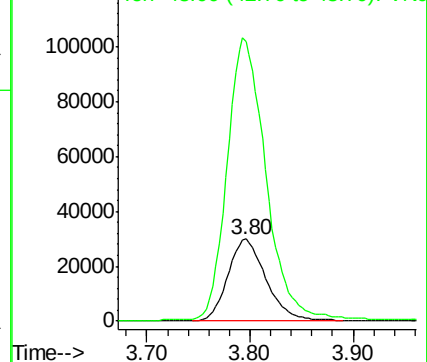
MMDadoda

9/25/2019 8:22:51 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 22.015 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058337.D

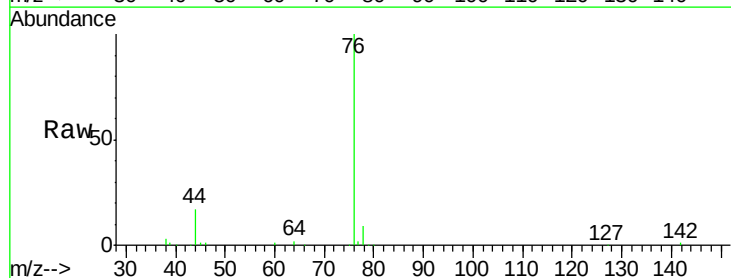
Acq: 24 Sep 2019 10:30

Tgt Ion: 76 Resp: 246196

Ion Ratio Lower Upper

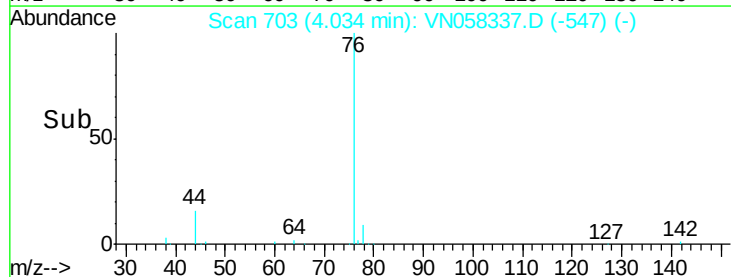
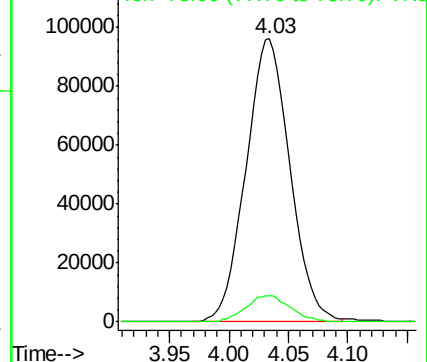
76 100

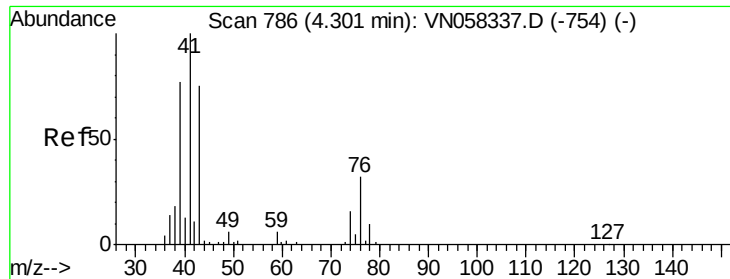
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





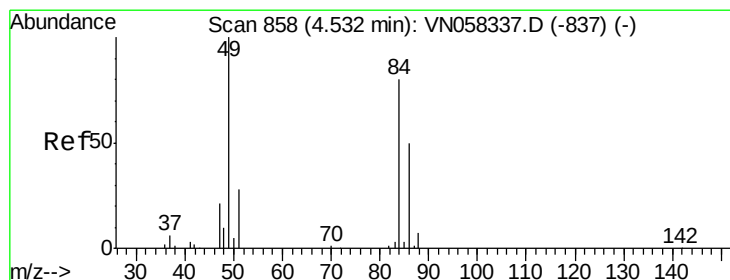
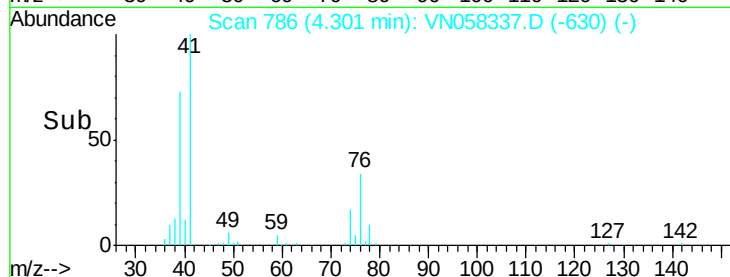
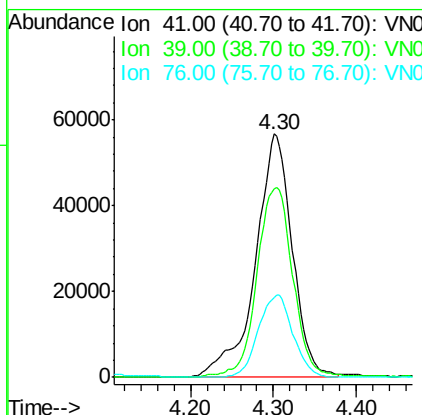
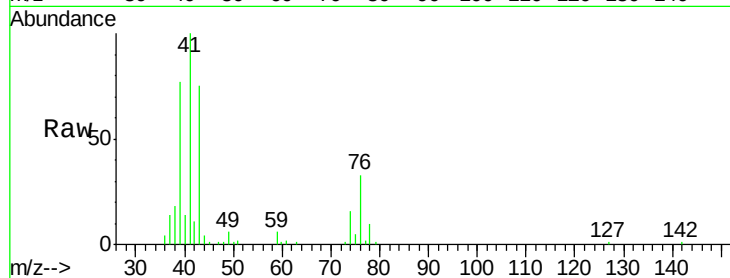
#17  
Allvl chloride  
Concen: 20.404 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 77.4  | 38.7  | 116.1 |
| 76      | 32.7  | 16.4  | 49.1  |

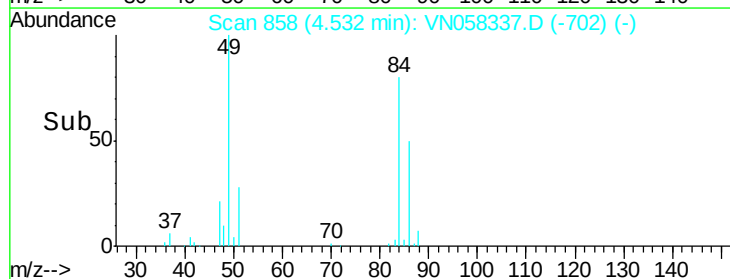
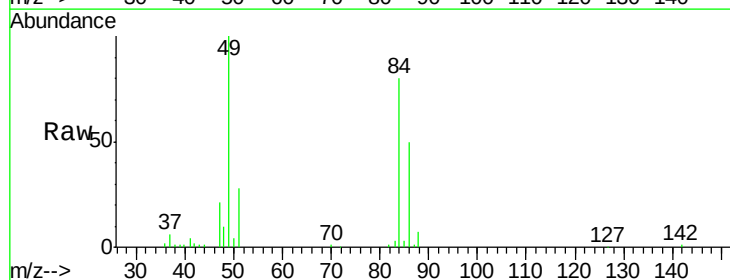
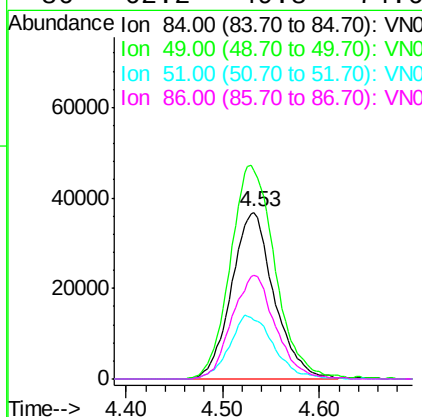
Manual Integrations  
APPROVED

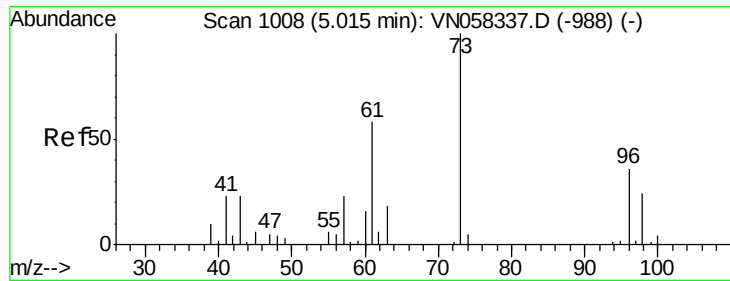
MMDadoda  
9/25/2019 8:22:51 AM



#18  
Methylene Chloride  
Concen: 19.447 ug/l  
RT: 4.53 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 124.7 | 99.8  | 149.6 |
| 51      | 35.4  | 28.3  | 42.5  |
| 86      | 62.2  | 49.8  | 74.6  |





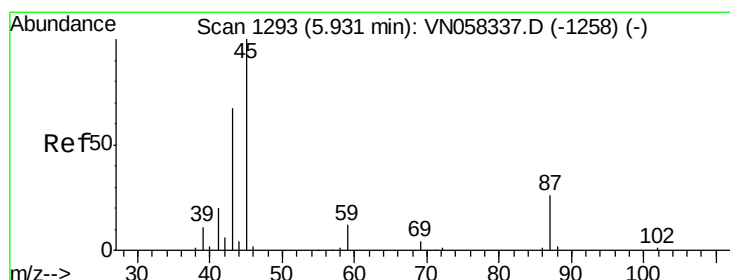
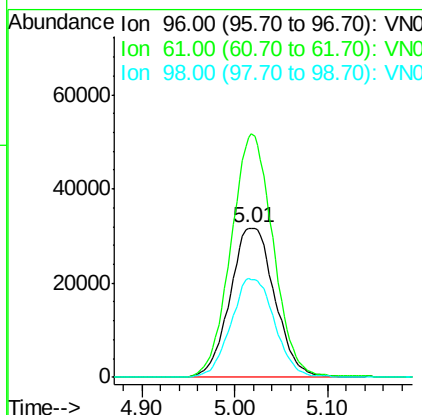
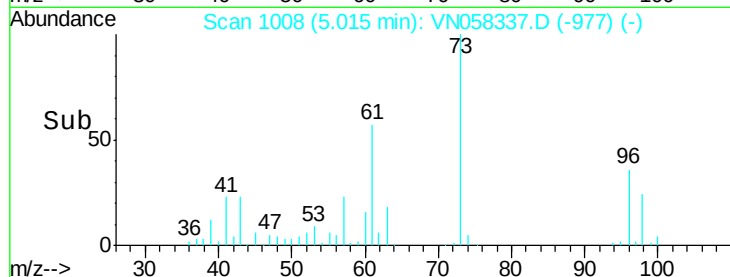
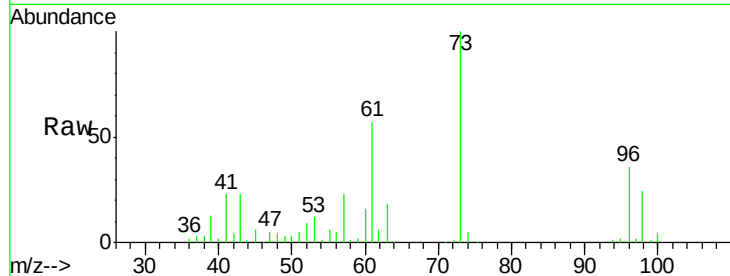
#19  
trans-1,2-Dichloroethene  
Concen: 20.447 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 96      | 100   |       | 106189 |       |       |
| 61      | 160.0 | 128.0 | 192.0  |       |       |
| 98      | 66.3  | 53.0  | 79.6   |       |       |

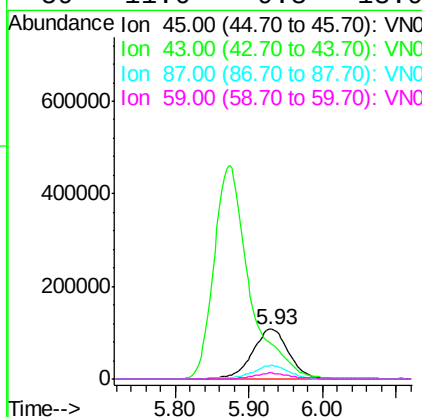
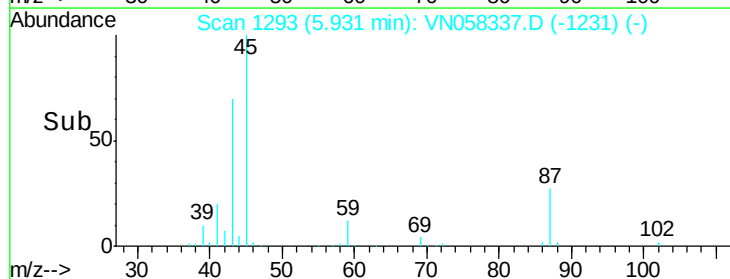
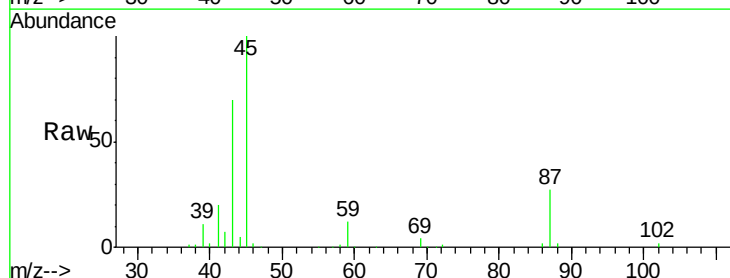
Manual Integrations  
APPROVED

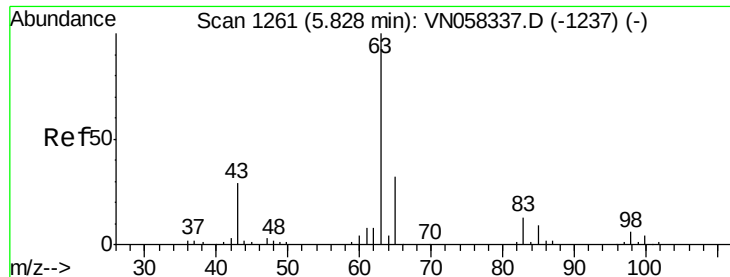
MMDadoda  
9/25/2019 8:22:51 AM



#20  
Diisopropyl ether  
Concen: 18.918 ug/l  
RT: 5.93 min Scan# 1293  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 45      | 100  |       | 370963 |       |       |
| 43      | 67.6 | 54.1  | 81.1   |       |       |
| 87      | 26.8 | 21.4  | 32.2   |       |       |
| 59      | 11.6 | 9.3   | 13.9   |       |       |





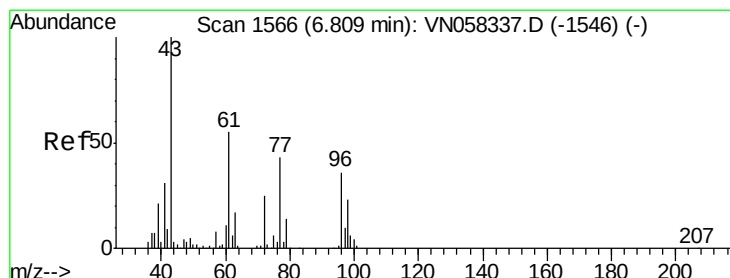
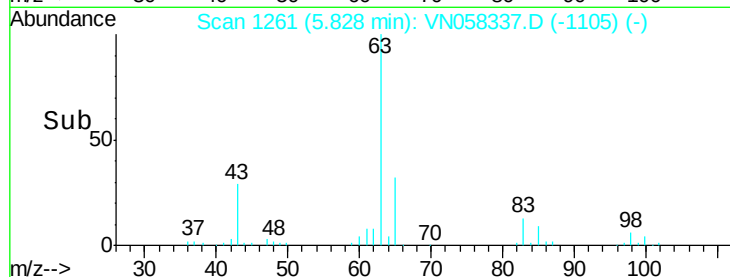
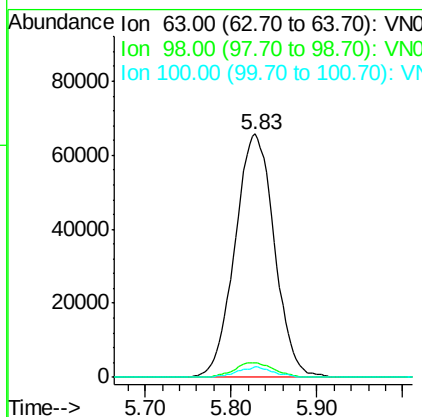
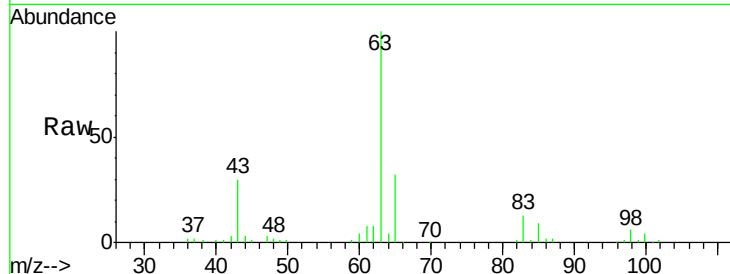
#21  
 1,1-Dichloroethane  
 Concen: 19.402 ug/l  
 RT: 5.83 min Scan# 1261  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 209747 |       |       |
| 98      | 6.1   | 3.0    | 9.2   |       |
| 100     | 4.3   | 2.1    | 6.5   |       |

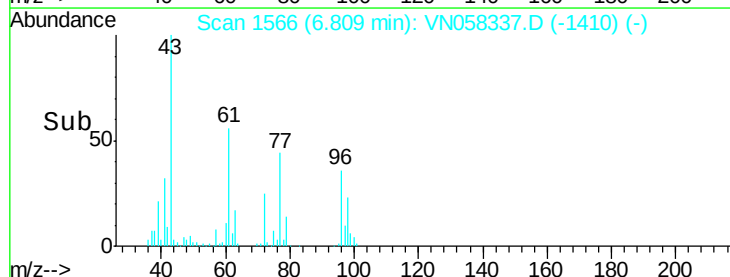
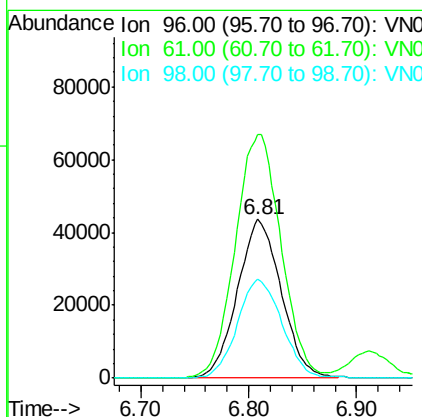
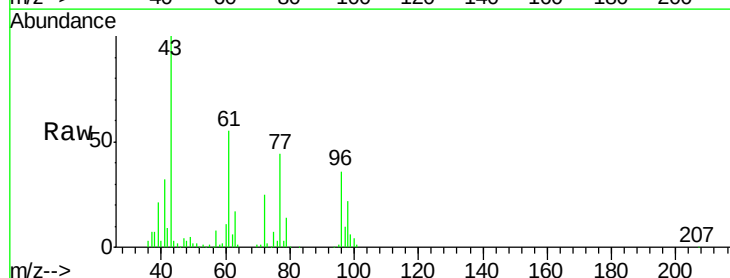
Manual Integrations  
 APPROVED

MMDadoda  
 9/25/2019 8:22:51 AM

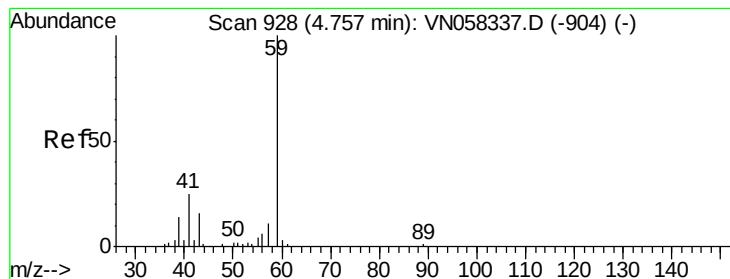


#22  
 cis-1,2-Dichloroethene  
 Concen: 19.580 ug/l  
 RT: 6.81 min Scan# 1566  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 123135 |       |       |
| 61      | 160.2 | 128.2  | 192.2 |       |
| 98      | 63.3  | 50.6   | 76.0  |       |







#23

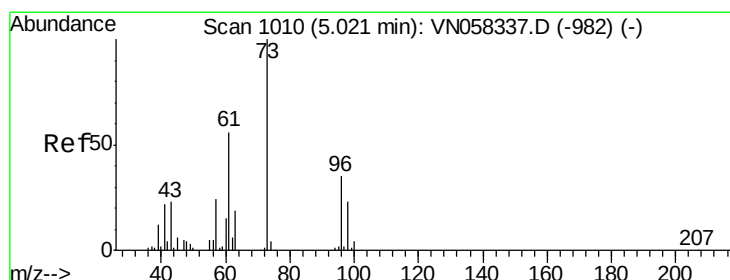
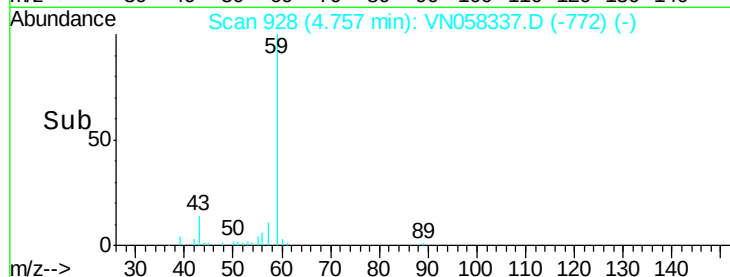
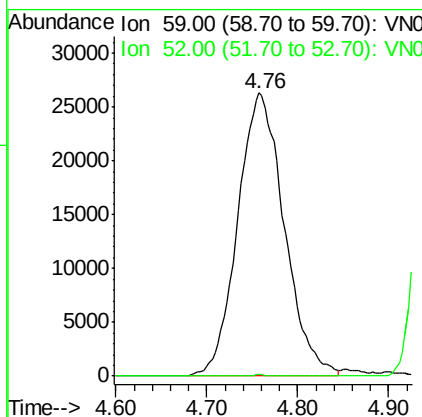
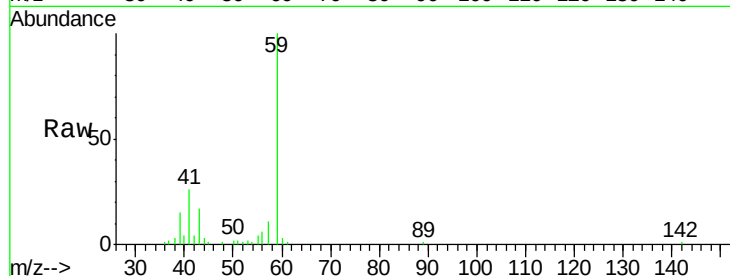
tert-Butyl Alcohol  
 Concen: 108.974 ug/l  
 RT: 4.76 min Scan# 928  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

| Tot Ion | 59  | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 59      | 100 |       |       |       |
| 52      | 0.1 | 0.1   | 0.1   |       |

Manual Integrations  
 APPROVED

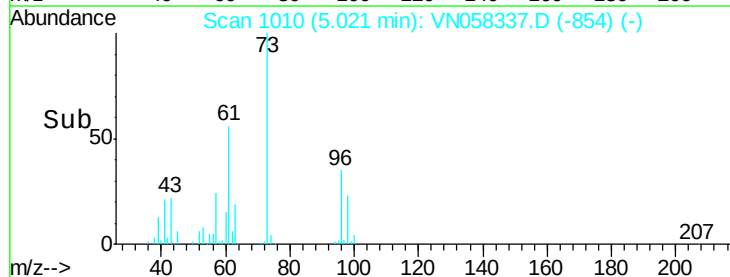
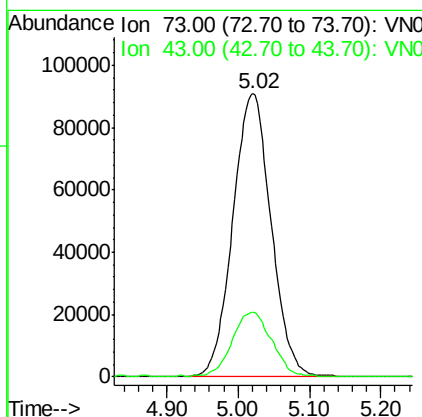
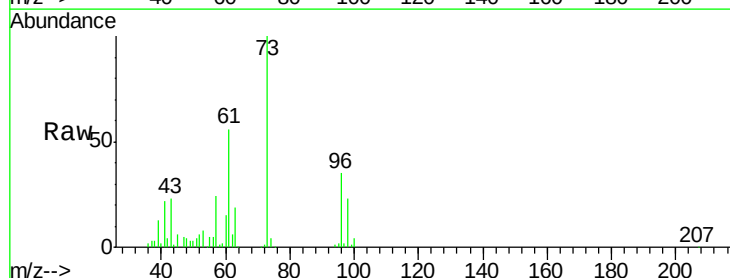
MMDadoda  
 9/25/2019 8:22:51 AM

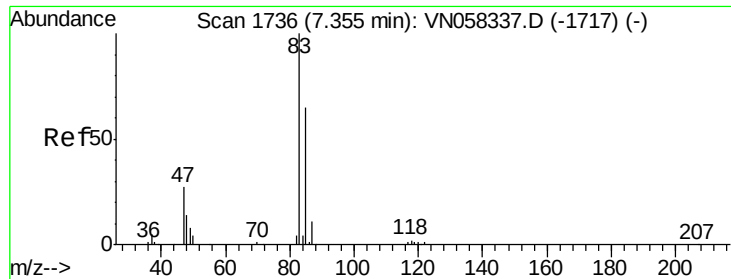


#24

Methyl tert-Butyl Ether  
 Concen: 19.279 ug/l  
 RT: 5.02 min Scan# 1010  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

| Tgt Ion | 73   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 73      | 100  |       |       |       |
| 43      | 23.0 | 18.4  | 27.6  |       |





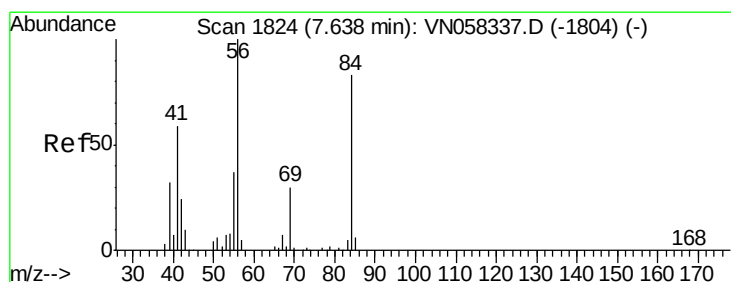
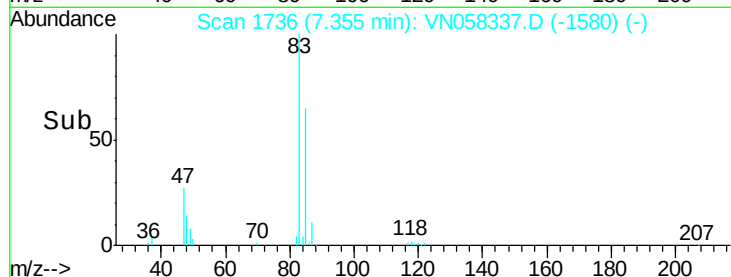
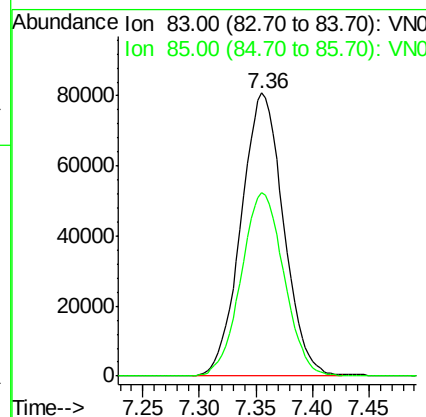
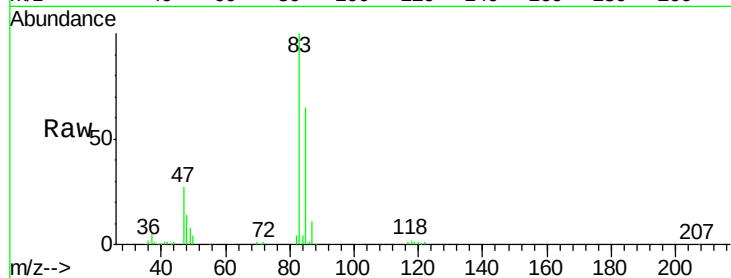
#25  
Chloroform  
Concen: 19.147 ug/l  
RT: 7.36 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion   | 83   | Resp  | 210945 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 64.7 | 51.8  | 77.6   |

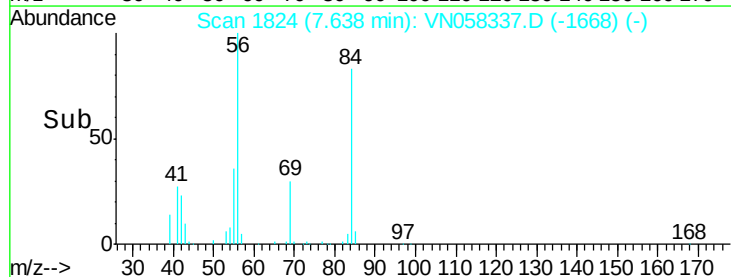
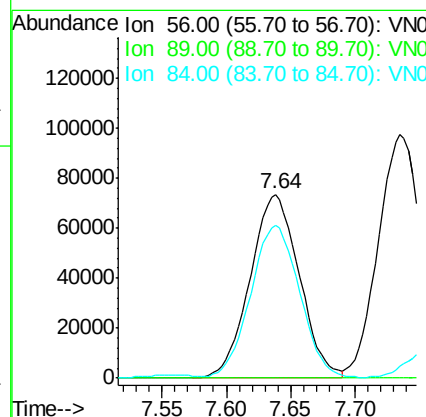
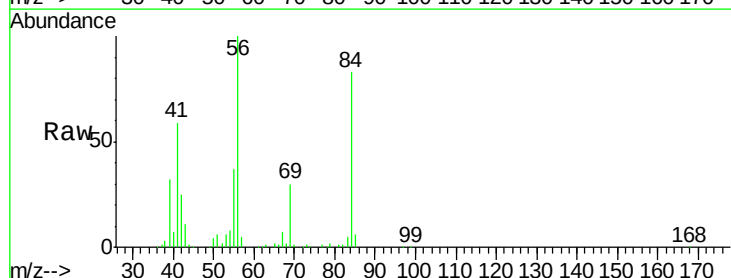
Manual Integrations  
APPROVED

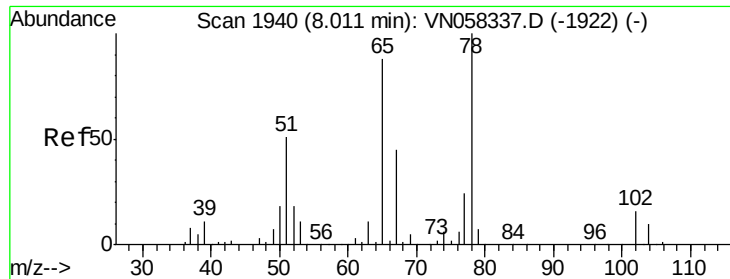
MMDadoda  
9/25/2019 8:22:51 AM



#26  
Cyclohexane  
Concen: 20.907 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion   | 56   | Resp  | 194940 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 56        | 100  |       |        |
| 89        | 0.1  | 0.1   | 0.1#   |
| 84        | 83.6 | 66.9  | 100.3  |





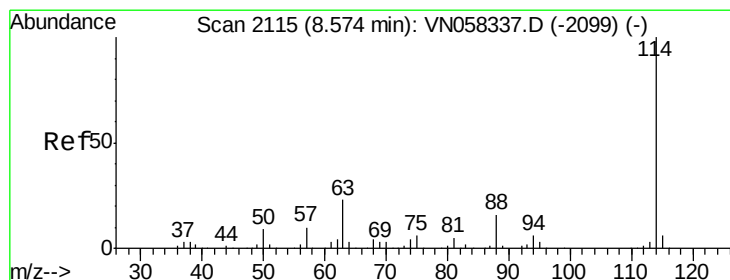
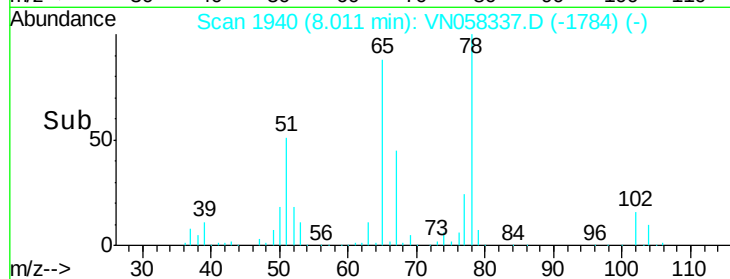
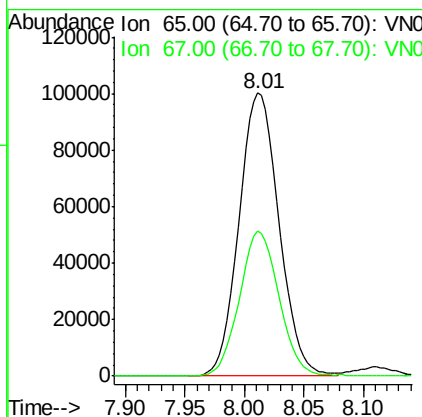
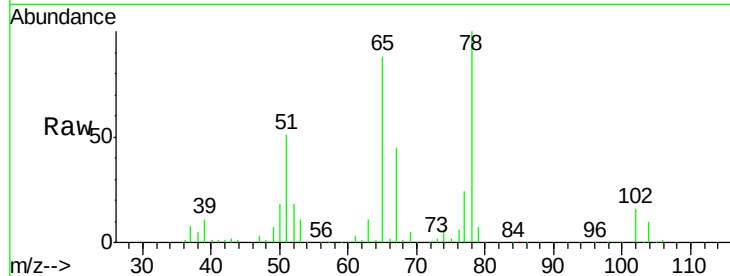
#27  
 1,2-Dichloroethane-d4  
 Concen: 30.599 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDICCC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 234048 |       |       |
| 67      | 50.5  | 40.4   | 60.6  |       |

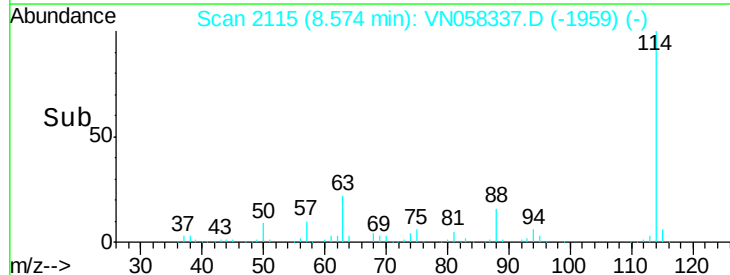
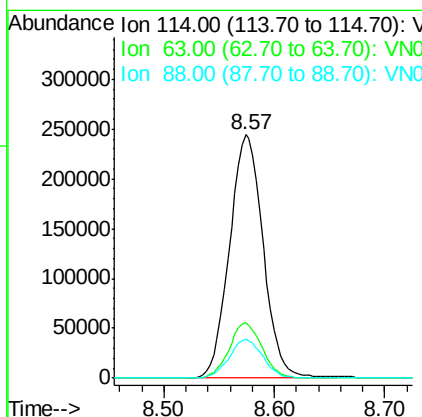
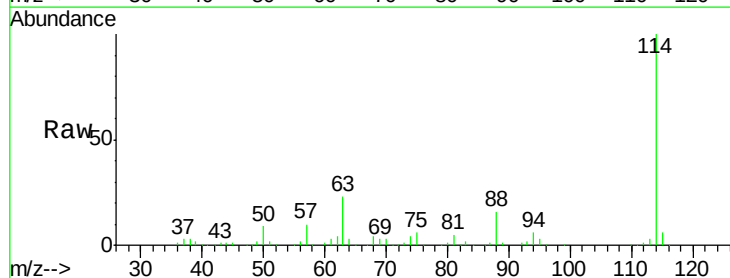
Manual Integrations  
 APPROVED

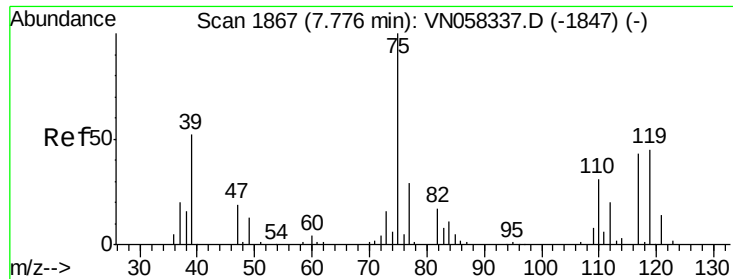
MMDadoda  
 9/25/2019 8:22:51 AM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 516555 |       |       |
| 63      | 22.3  | 17.8   | 26.8  |       |
| 88      | 15.9  | 12.7   | 19.1  |       |





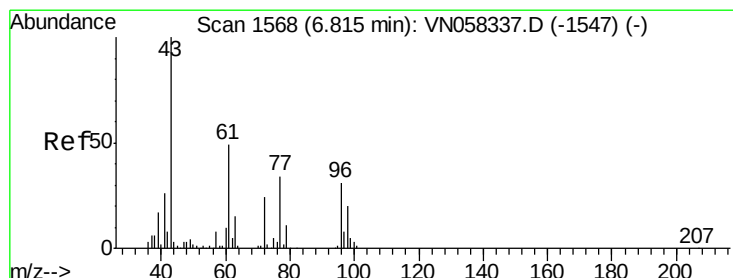
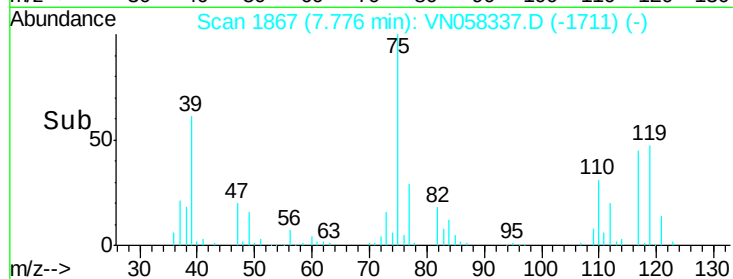
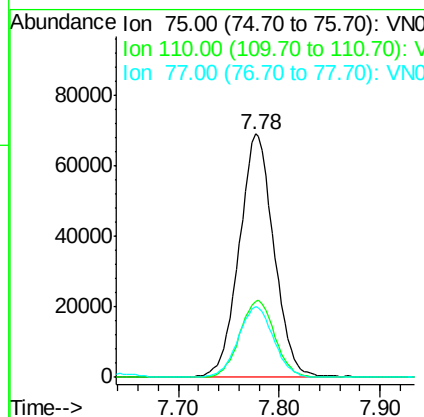
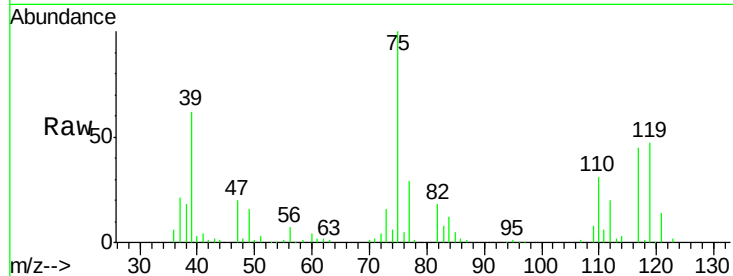
#29  
 1,1-Dichloropropene  
 Concen: 19.927 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 75      | 100  |       |      |       |       |
| 110     | 31.8 | 0.0   | 63.6 |       |       |
| 77      | 29.7 | 0.0   | 59.4 |       |       |

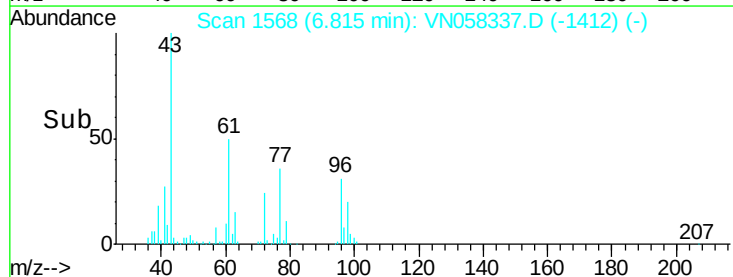
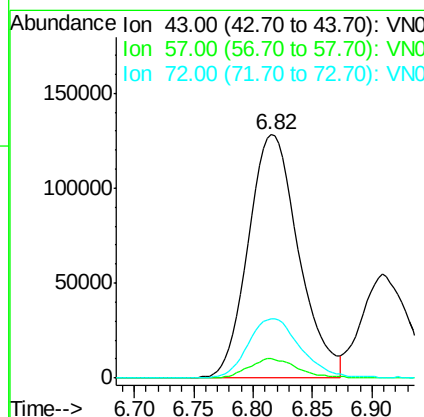
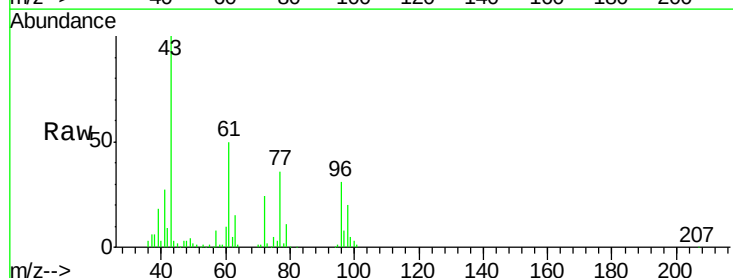
Manual Integrations  
 APPROVED

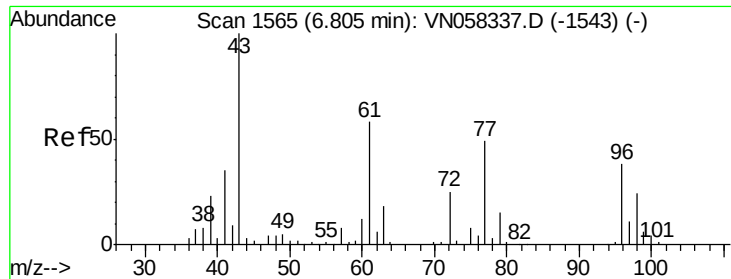
MMDadoda  
 9/25/2019 8:22:51 AM



#30  
 2-Butanone  
 Concen: 100.977 ug/l  
 RT: 6.82 min Scan# 1568  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 43      | 100  |       |      |       |       |
| 57      | 7.8  | 6.2   | 9.4  |       |       |
| 72      | 25.4 | 20.3  | 30.5 |       |       |





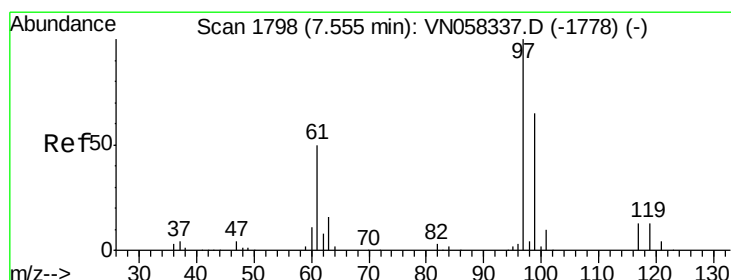
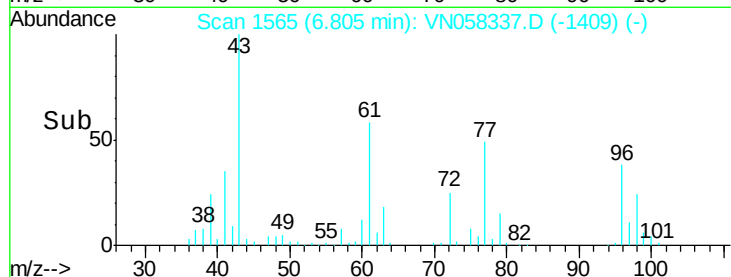
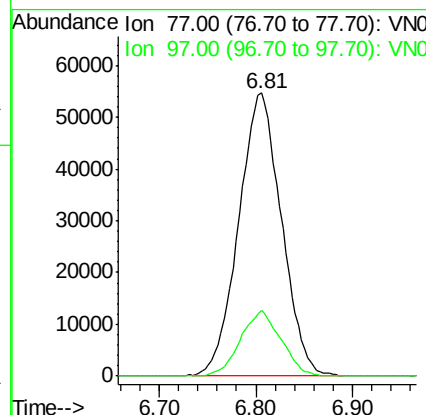
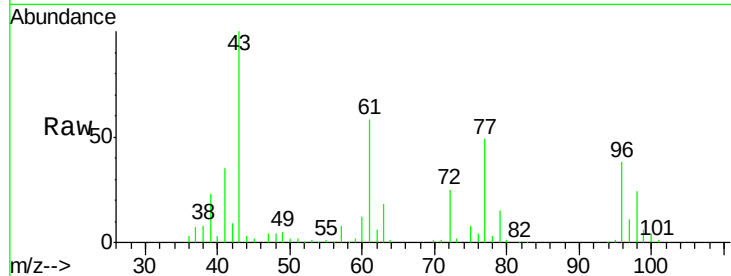
#31  
 2,2-Dichloropropane  
 Concen: 19.235 ug/l  
 RT: 6.81 min Scan# 1565  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Tot Ion: 77 Resp: 167214  
 Ion Ratio Lower Upper  
 77 100  
 97 22.0 17.6 26.4

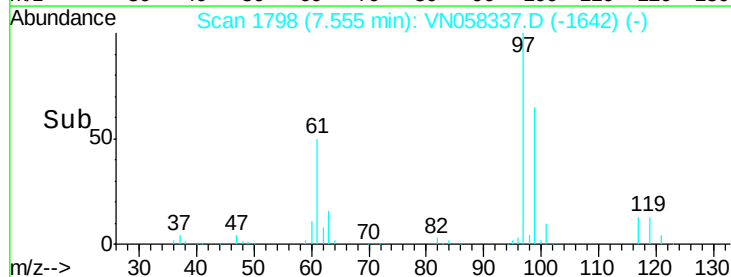
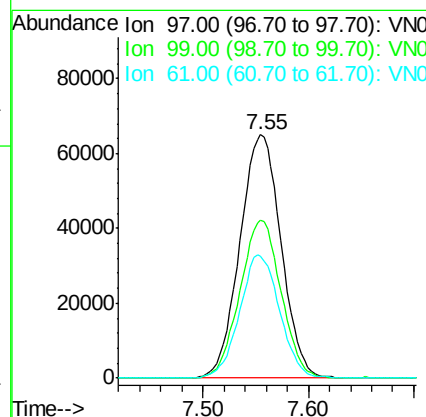
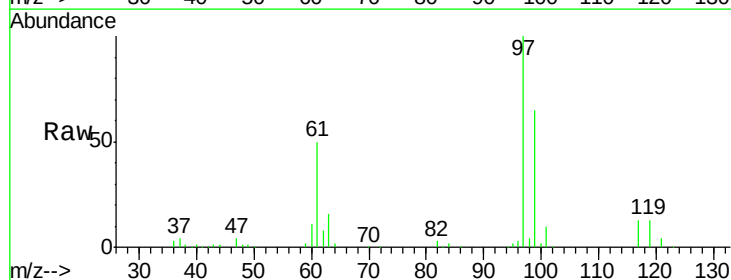
Manual Integrations  
 APPROVED

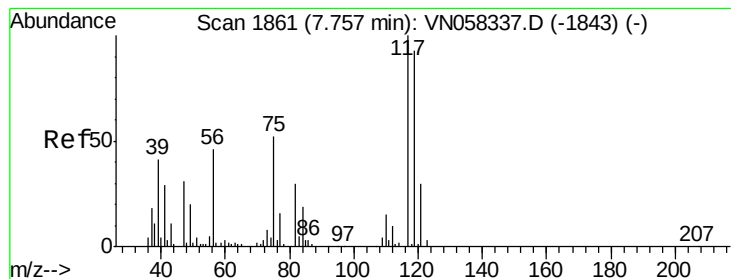
MMDadoda  
 9/25/2019 8:22:51 AM



#32  
 1,1,1-Trichloroethane  
 Concen: 19.230 ug/l  
 RT: 7.55 min Scan# 1798  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Tgt Ion: 97 Resp: 176607  
 Ion Ratio Lower Upper  
 97 100  
 99 64.7 51.8 77.6  
 61 49.3 39.4 59.2





#33

Carbon Tetrachloride

Concen: 19.604 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

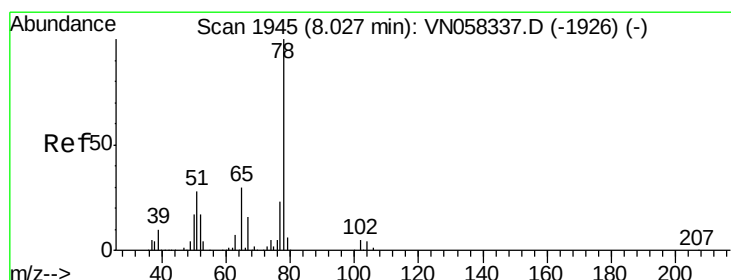
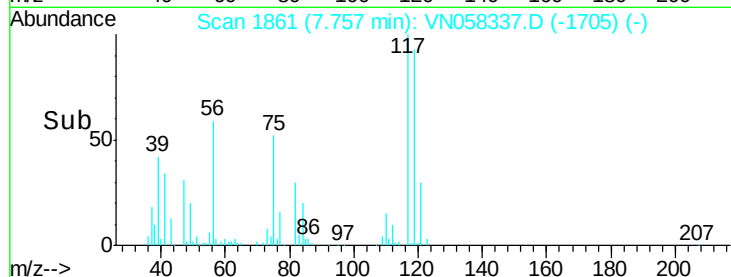
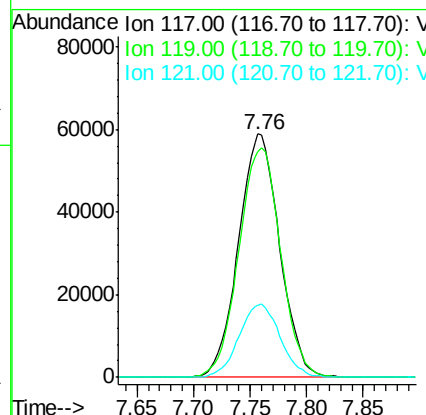
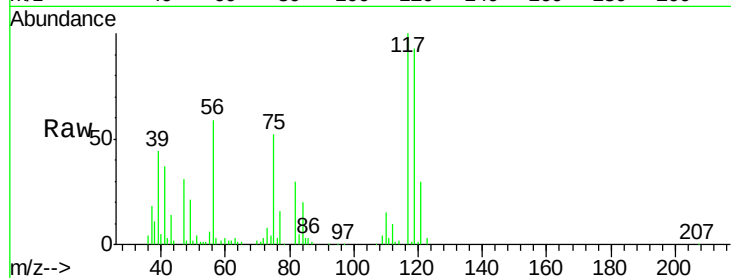
ClientSampleId :

VSTDICCC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 148930 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 92.8  | 74.2  | 111.4  |
| 121       | 29.9  | 23.9  | 35.9   |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM



#34

Benzene

Concen: 19.441 ug/l

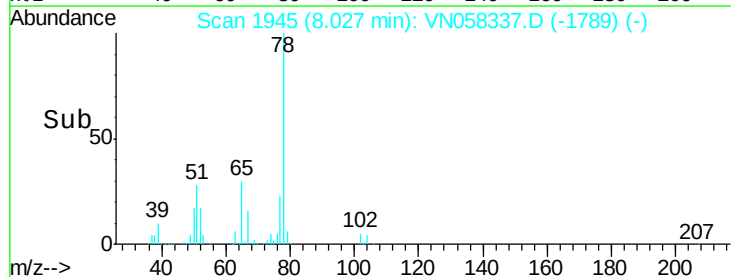
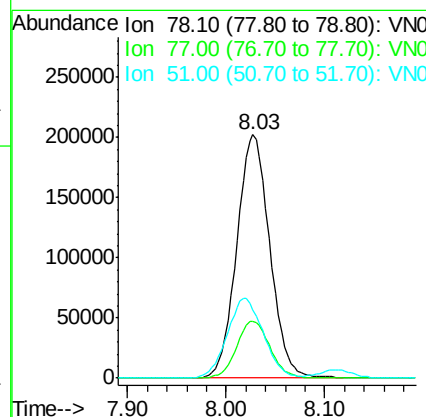
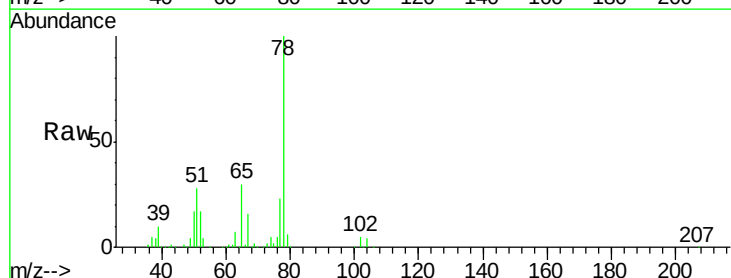
RT: 8.03 min Scan# 1945

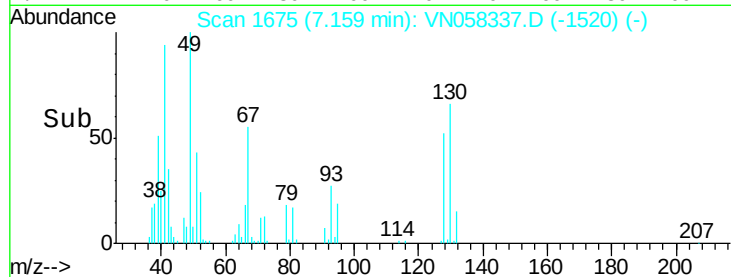
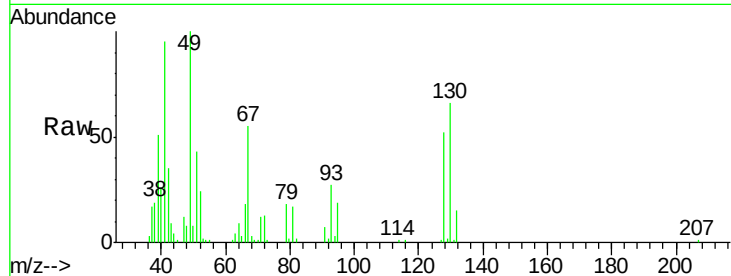
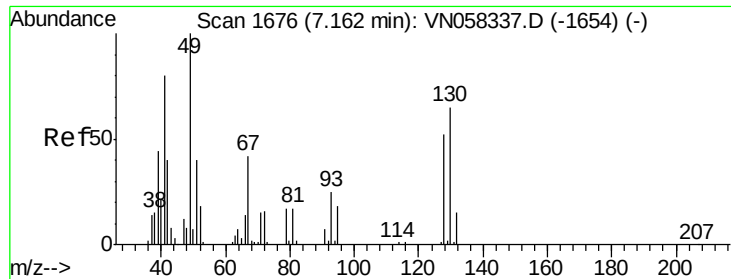
Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

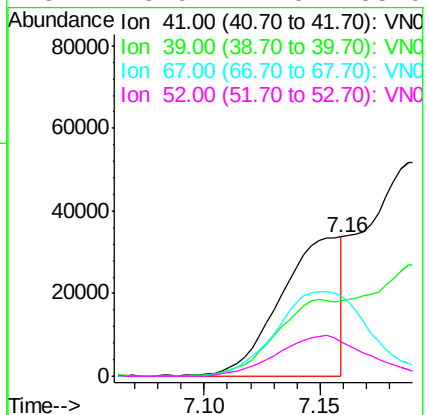
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 78    | Resp: | 471014 |
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.5  | 18.8  | 28.2   |
| 51        | 28.0  | 22.4  | 33.6   |





#35  
Methacrylonitrile  
Concen: 17.815 ug/l m  
RT: 7.16 min Scan# 1675  
Delta R.T. -0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

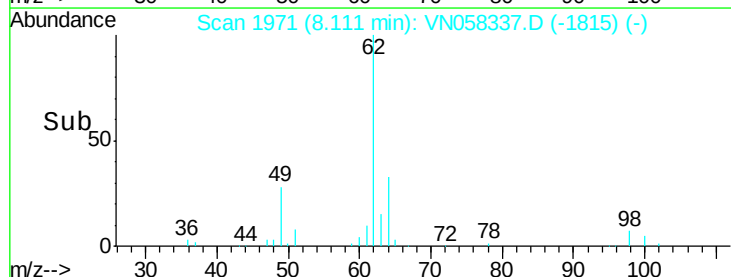
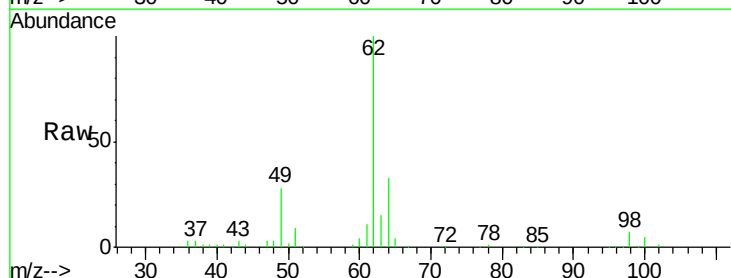
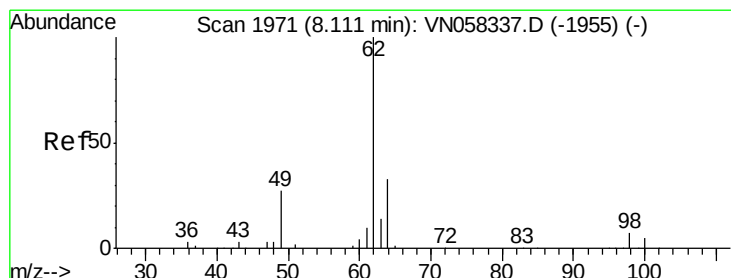
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 53.9  | 27.3  | 81.9  |
| 67      | 57.6  | 26.3  | 78.9  |
| 52      | 25.0  | 11.0  | 33.0  |



Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

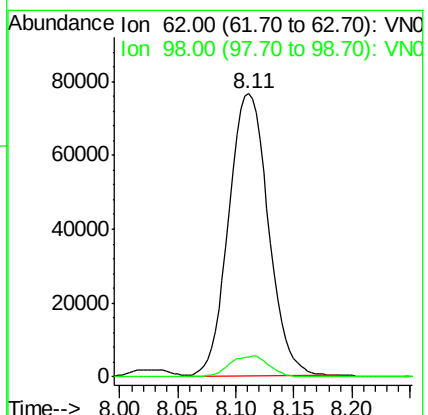
Manual Integrations  
APPROVED

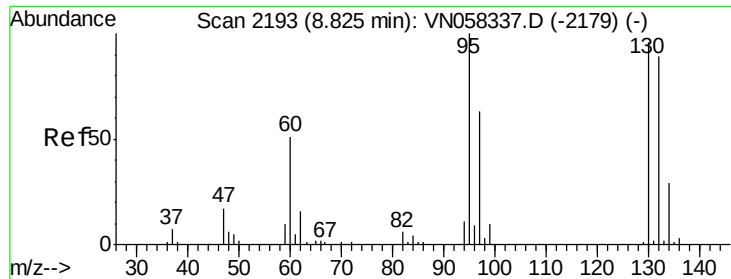
MMDadoda  
9/25/2019 8:22:51 AM



#36  
1,2-Dichloroethane  
Concen: 19.357 ug/l  
RT: 8.11 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 7.5   | 6.0   | 9.0   |





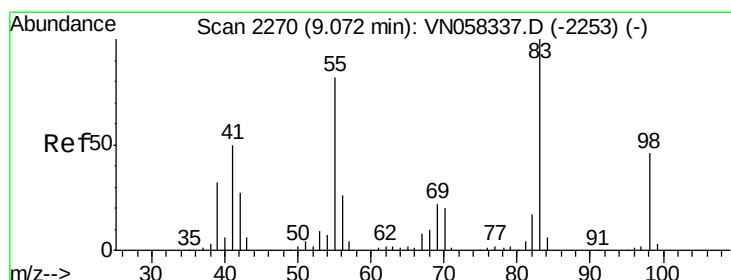
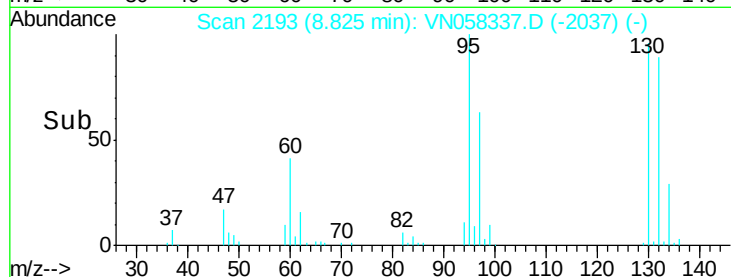
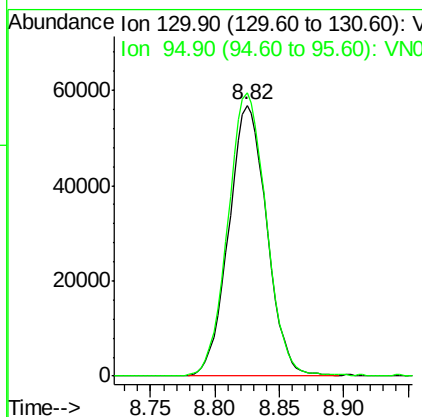
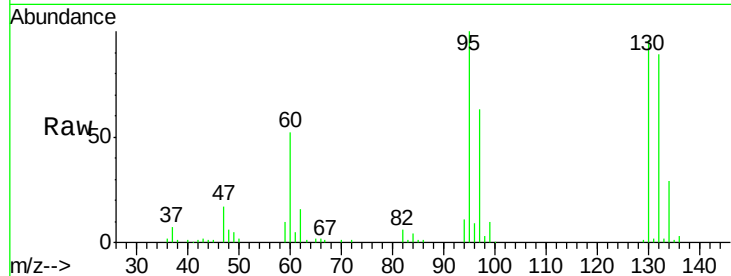
#37  
 Trichloroethene  
 Concen: 19.715 ug/l  
 RT: 8.82 min Scan# 2193  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Tot Ion:130 Resp: 116696  
 Ion Ratio Lower Upper  
 130 100  
 95 104.1 83.3 124.9

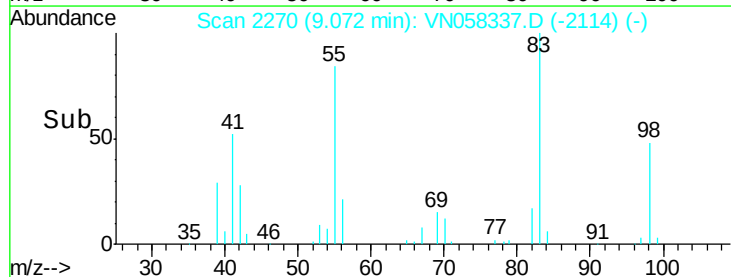
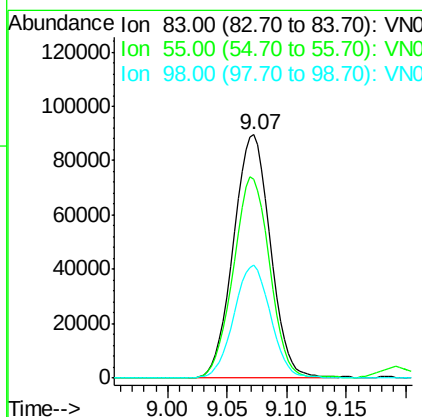
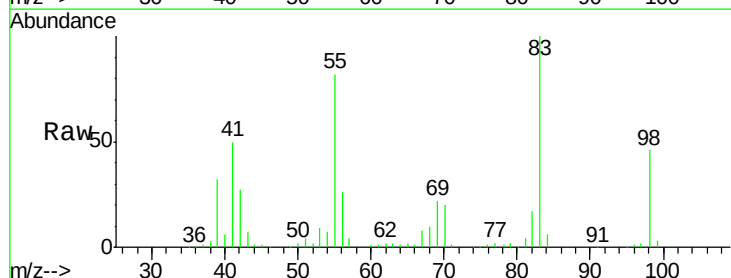
Manual Integrations  
 APPROVED

MMDadoda  
 9/25/2019 8:22:51 AM

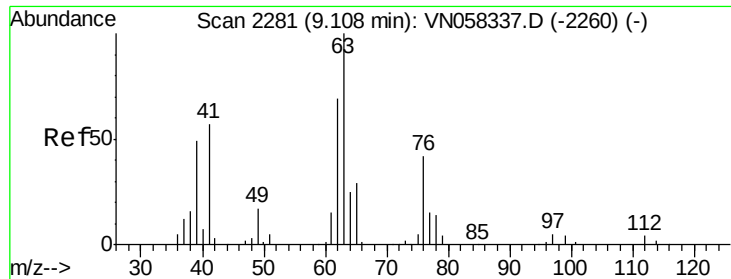


#38  
 Methylcyclohexane  
 Concen: 20.414 ug/l  
 RT: 9.07 min Scan# 2270  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Tgt Ion: 83 Resp: 193400  
 Ion Ratio Lower Upper  
 83 100  
 55 80.9 40.5 121.4  
 98 46.1 23.1 69.2







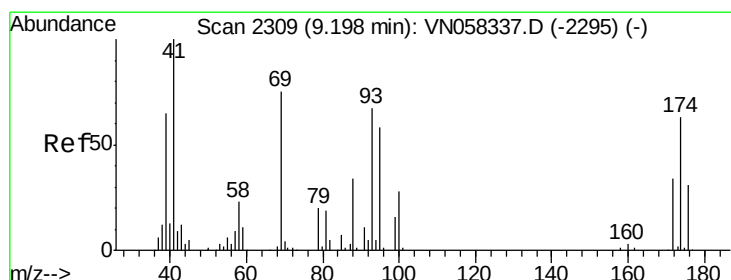
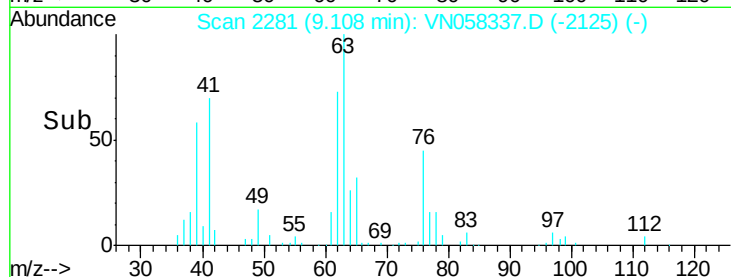
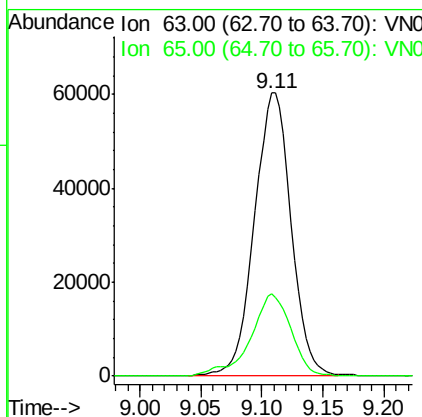
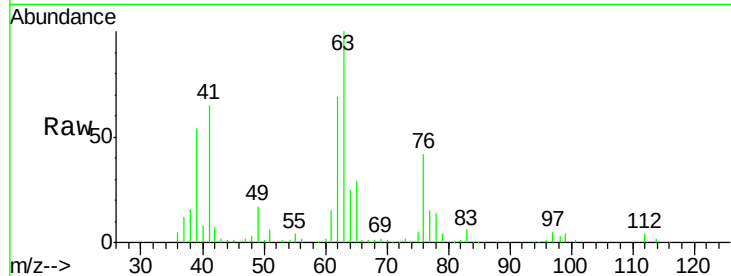
#39  
 1,2-Dichloropropane  
 Concen: 18.673 ug/l  
 RT: 9.11 min Scan# 2281  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Tot Ion: 63 Resp: 126137  
 Ion Ratio Lower Upper  
 63 100  
 65 29.2 23.4 35.0

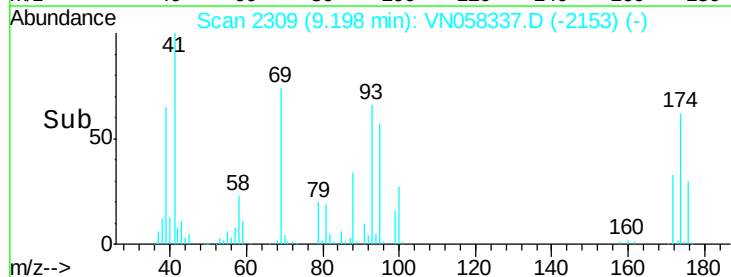
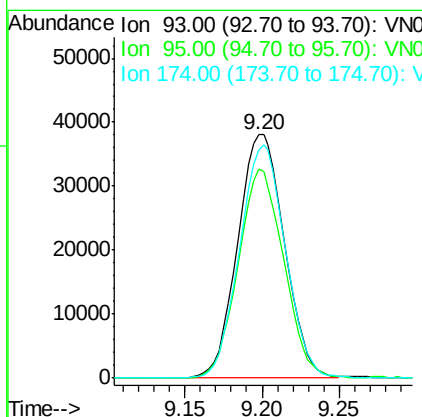
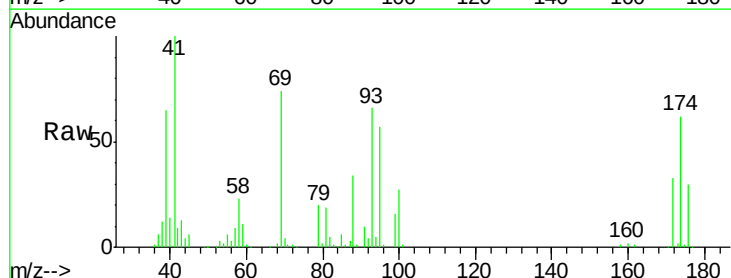
Manual Integrations  
 APPROVED

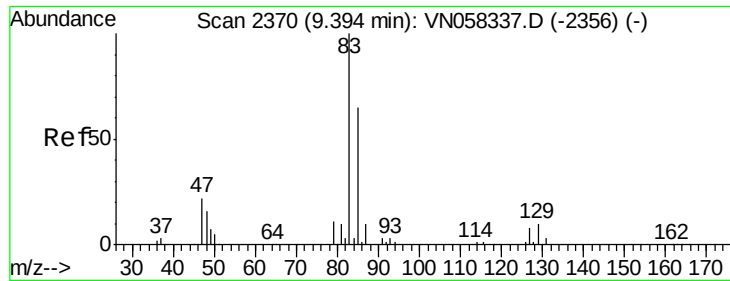
MMDadoda  
 9/25/2019 8:22:51 AM



#40  
 Dibromomethane  
 Concen: 19.393 ug/l  
 RT: 9.20 min Scan# 2309  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Tgt Ion: 93 Resp: 80144  
 Ion Ratio Lower Upper  
 93 100  
 95 83.4 0.0 166.8  
 174 93.6 0.0 187.2





#41

Bromodichloromethane

Concen: 18.528 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

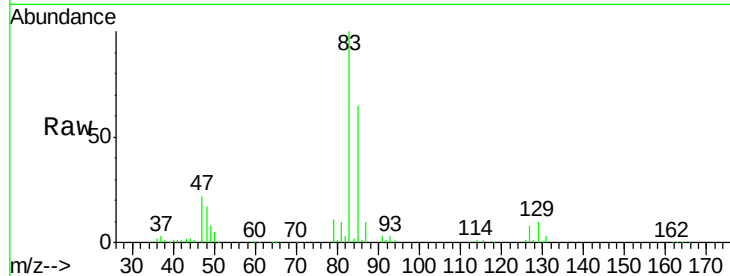
ClientSampled :

VSTDICCC020

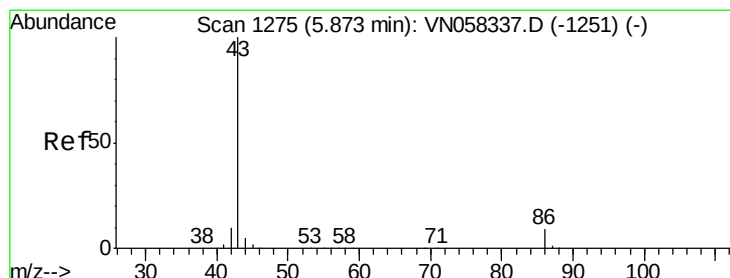
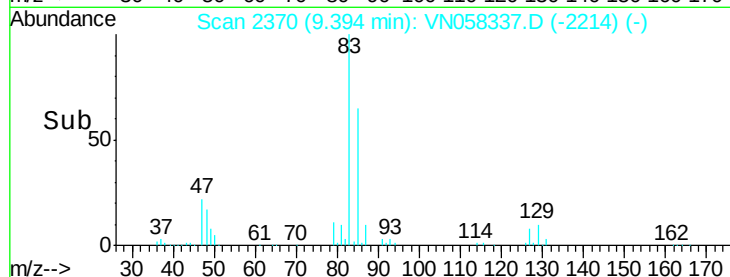
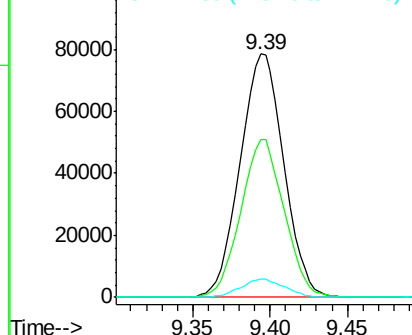
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 154454 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.0  | 52.0  | 78.0   |
| 127      | 7.6   | 6.1   | 9.1    |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM



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



#42

Vinyl Acetate

Concen: 103.630 ug/l

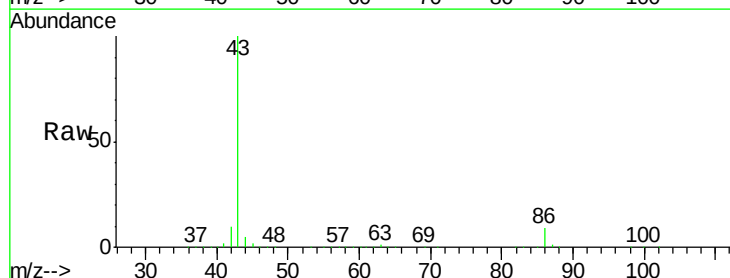
RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

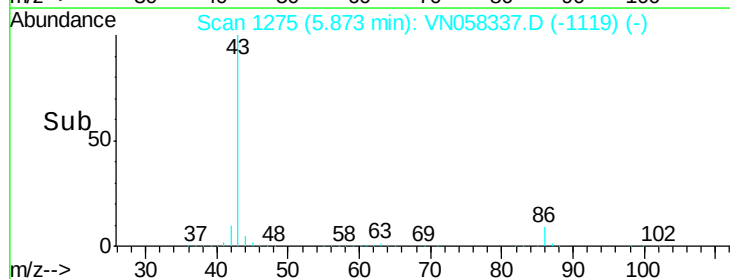
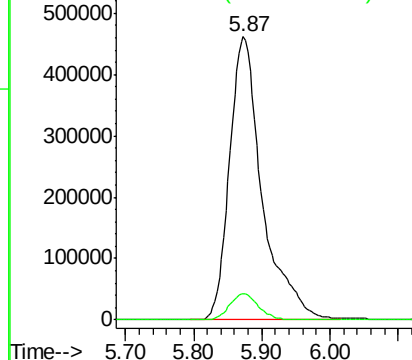
Lab File: VN058337.D

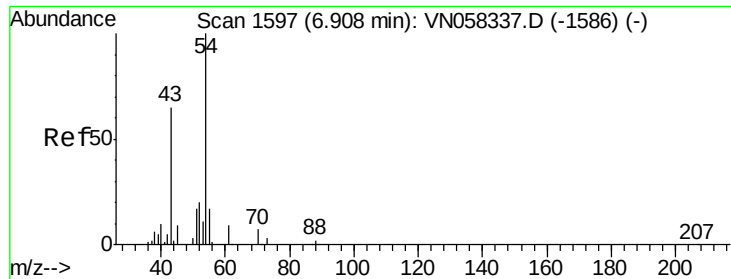
Acq: 24 Sep 2019 10:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 43    | Resp: | 1538335 |
| Ion      | Ratio | Lower | Upper   |
| 43       | 100   |       |         |
| 86       | 8.2   | 6.6   | 9.8     |



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





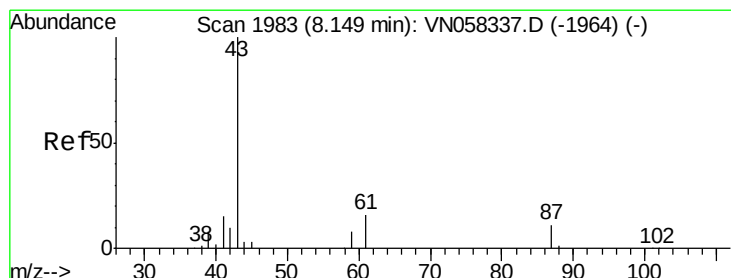
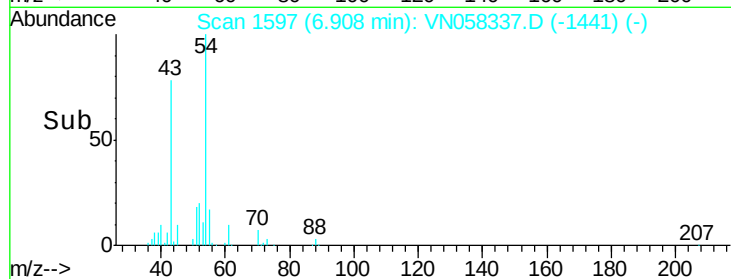
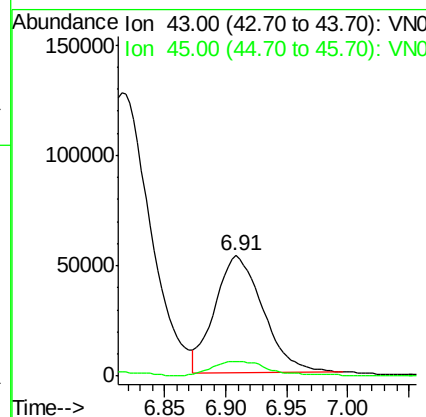
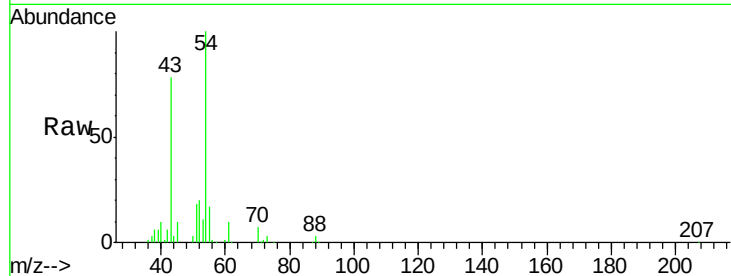
#43  
Ethyl Acetate  
Concen: 19.460 ug/l  
RT: 6.91 min Scan# 1597  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | 43   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 145765  | 100  |       |       |       |
| 45      | 12.2 | 9.8   | 14.6  |       |

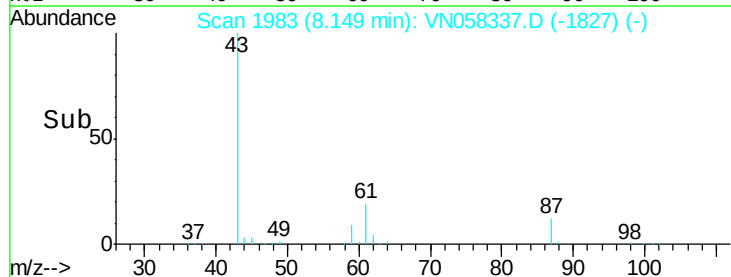
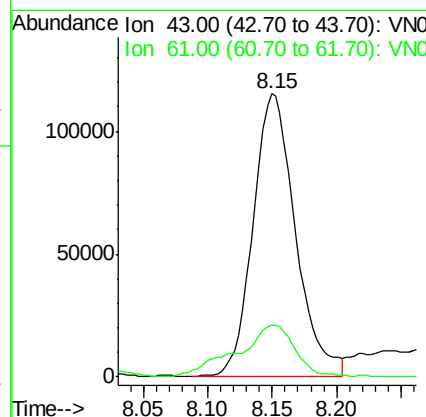
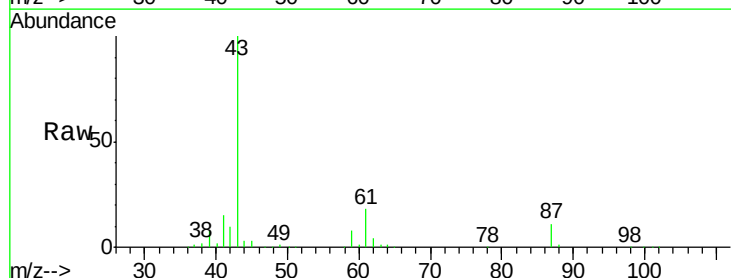
Manual Integrations  
APPROVED

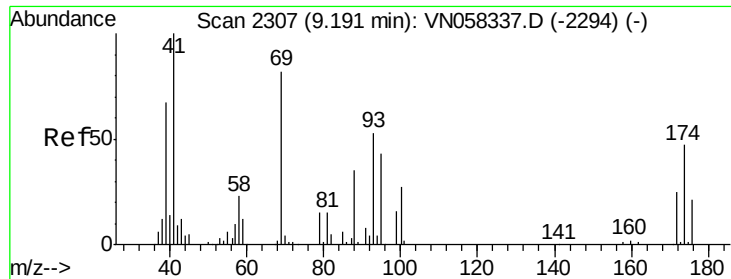
MMDadoda  
9/25/2019 8:22:51 AM



#44  
Isopropyl Acetate  
Concen: 19.772 ug/l  
RT: 8.15 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | 43   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 262769  | 100  |       |       |       |
| 61      | 18.0 | 14.4  | 21.6  |       |





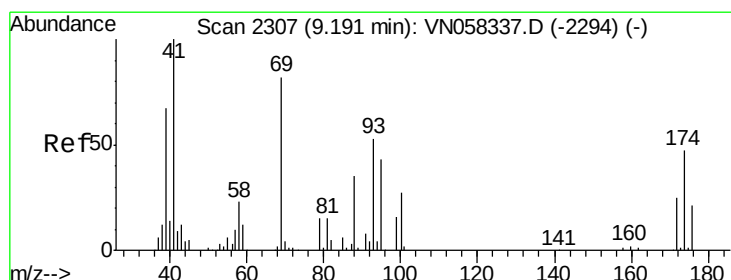
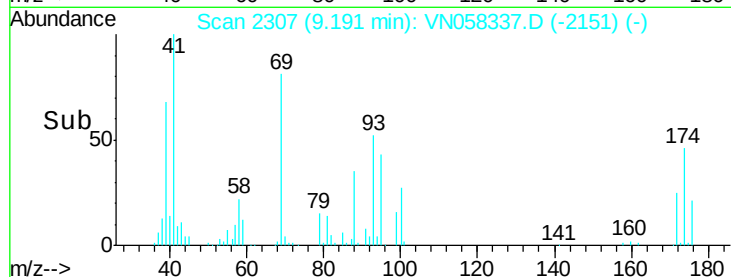
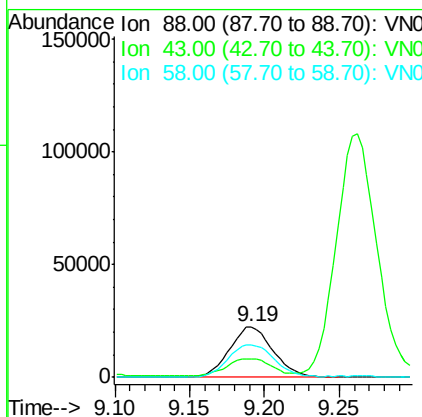
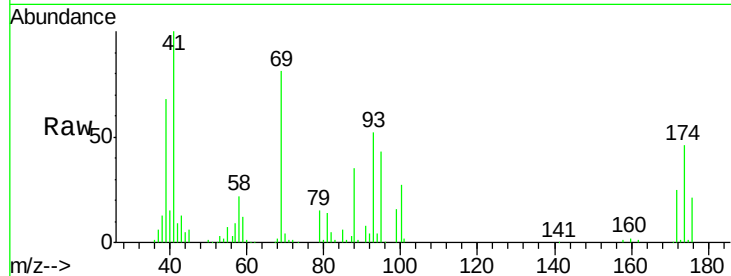
#45  
 1,4-Dioxane  
 Concen: 428.568 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

| Tot Ion | 88    | Resp  | 45547 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 34.0  | 27.2  | 40.8  |
| 58      | 69.2  | 55.4  | 83.0  |

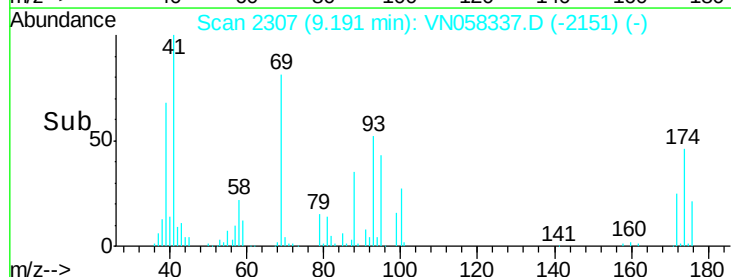
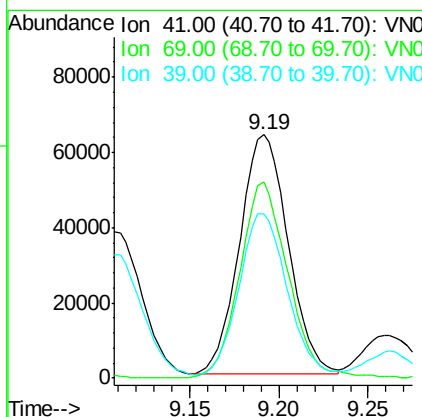
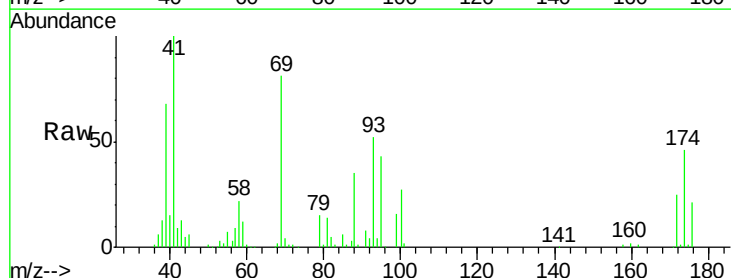
Manual Integrations  
 APPROVED

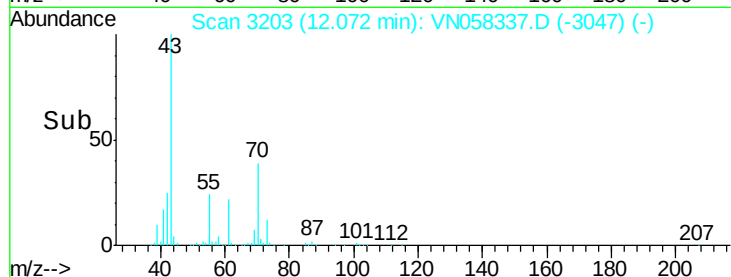
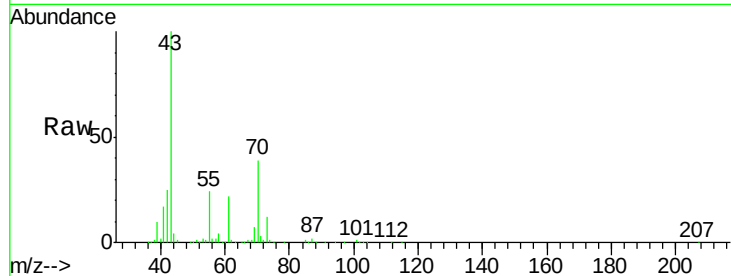
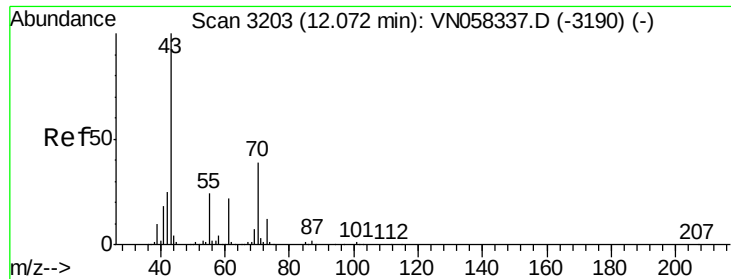
MMDadoda  
 9/25/2019 8:22:51 AM



#46  
 Methyl methacrylate  
 Concen: 18.855 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

| Tgt Ion | 41    | Resp  | 121155 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 69      | 81.8  | 40.9  | 122.7  |
| 39      | 67.1  | 33.6  | 100.6  |





#47

n-amvl Acetate

Concen: 18.132 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Tot Ion: 43 Resp: 218346

Ion Ratio Lower Upper

43 100

55 23.7 19.0 28.4

Instrument :

MSVOA\_N

ClientSampleId :

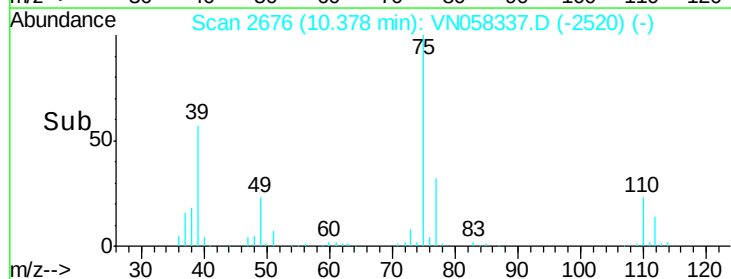
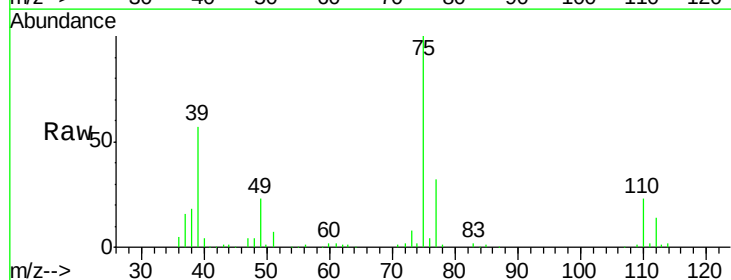
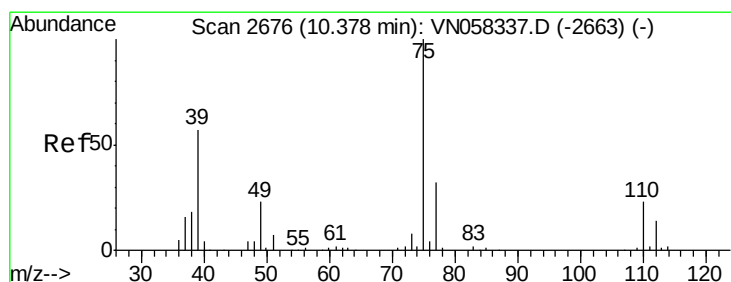
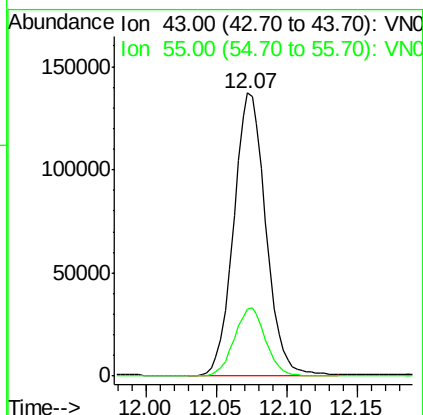
VSTDICCC020

Manual Integrations

APPROVED

MMDadoda

9/25/2019 8:22:51 AM



#48

t-1,3-Dichloropropene

Concen: 18.263 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058337.D

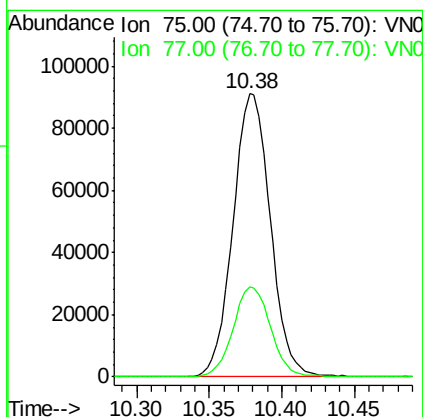
Acq: 24 Sep 2019 10:30

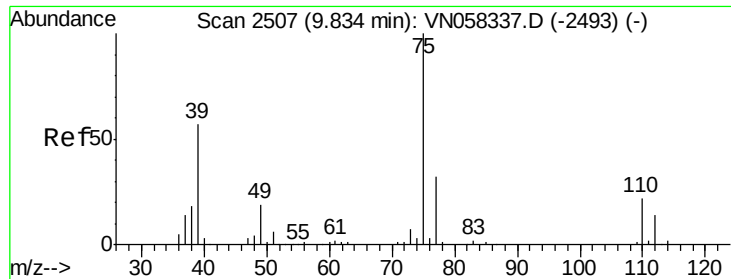
Tgt Ion: 75 Resp: 162988

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0





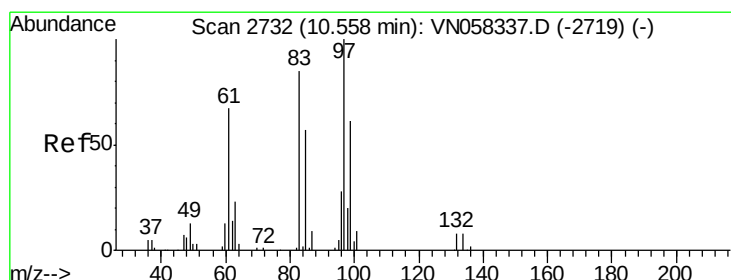
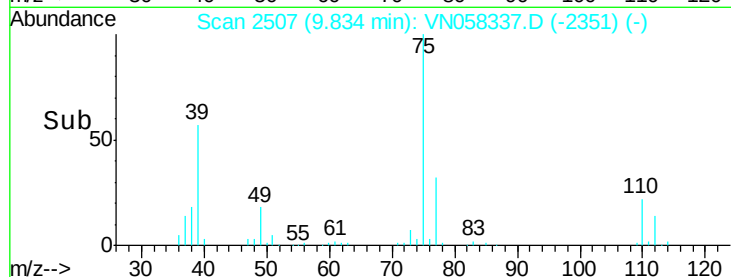
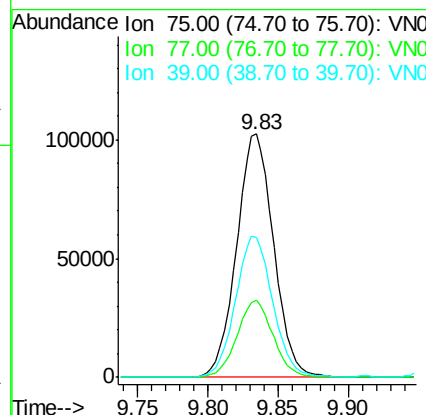
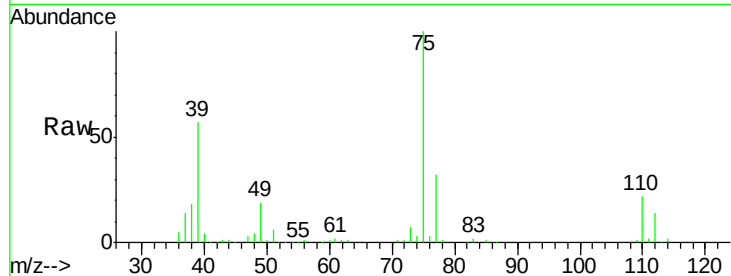
#49  
 cis-1,3-Dichloropropene  
 Concen: 18.807 ug/l  
 RT: 9.83 min Scan# 2507  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 75    | Resp: | 188661 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.5  | 25.2  | 37.8   |
| 39        | 57.2  | 45.8  | 68.6   |

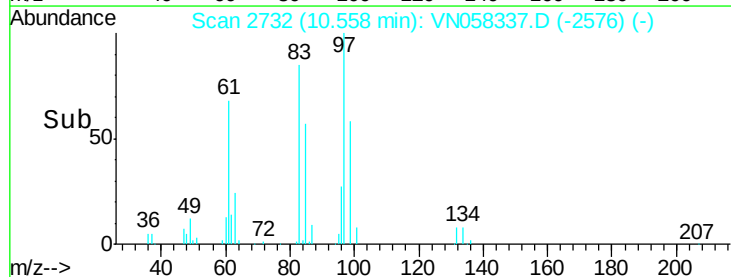
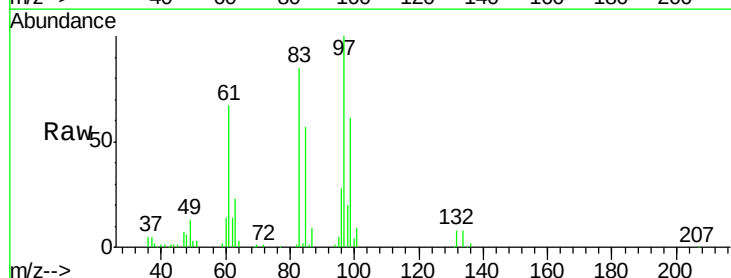
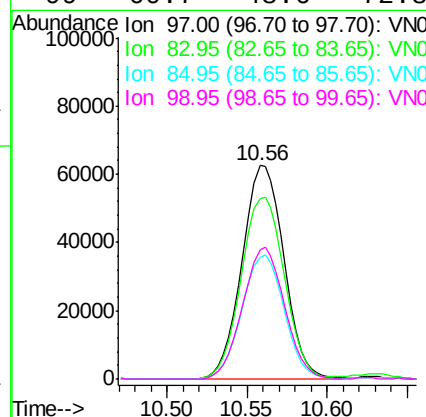
Manual Integrations  
 APPROVED

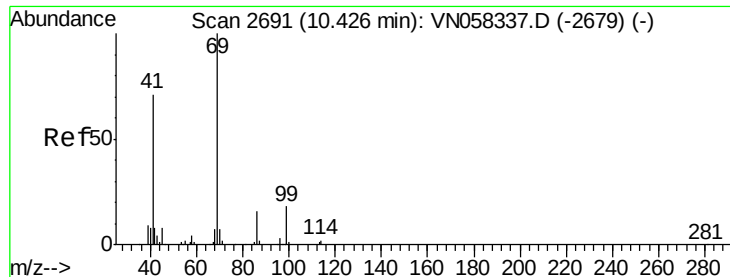
MMDadoda  
 9/25/2019 8:22:51 AM



#50  
 1,1,2-Trichloroethane  
 Concen: 18.788 ug/l  
 RT: 10.56 min Scan# 2732  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 111968 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 83        | 84.7  | 67.8  | 101.6  |
| 85        | 57.2  | 45.8  | 68.6   |
| 99        | 60.7  | 48.6  | 72.8   |





#51

Ethyl methacrylate

Concen: 18.329 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

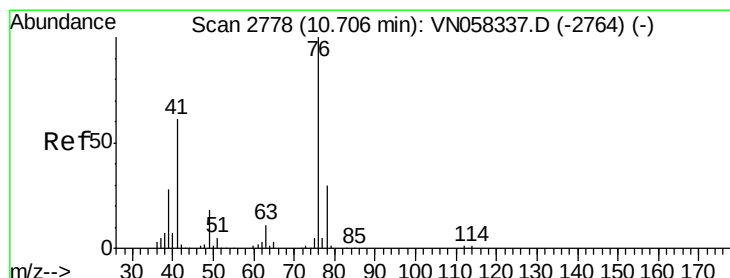
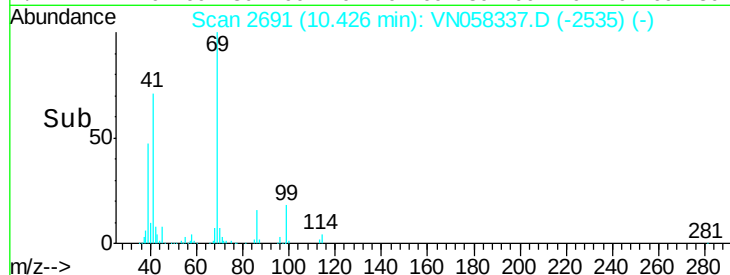
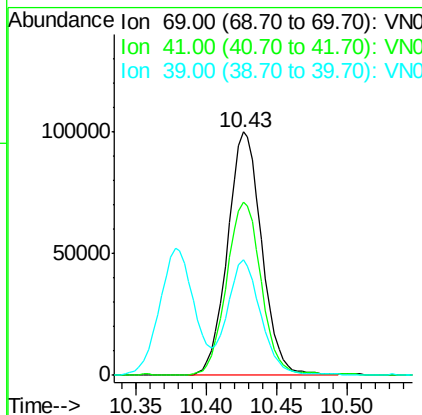
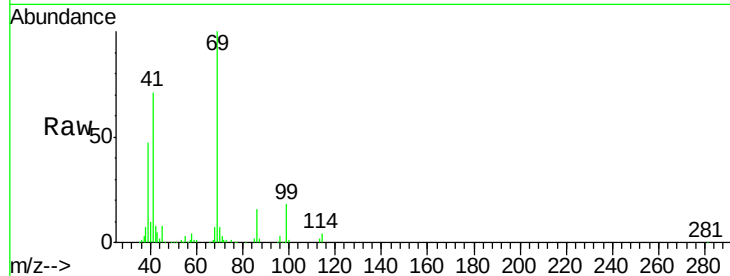
ClientSampleId :

VSTDICCC020

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 69    | Resp: | 170311 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 70.7  | 35.4  | 106.1  |
| 39       | 47.0  | 23.5  | 70.5   |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM



#52

1,3-Dichloropropane

Concen: 19.121 ug/l

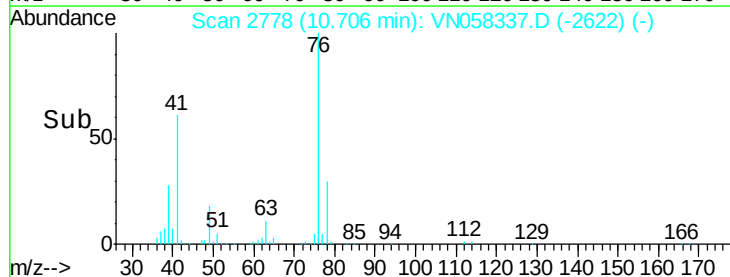
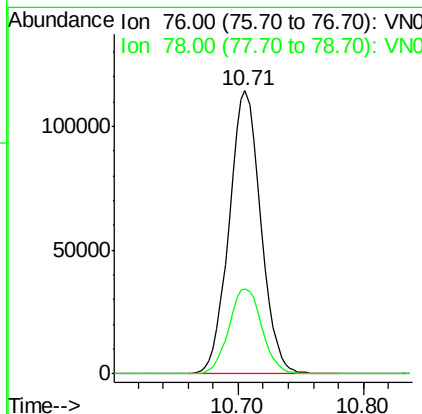
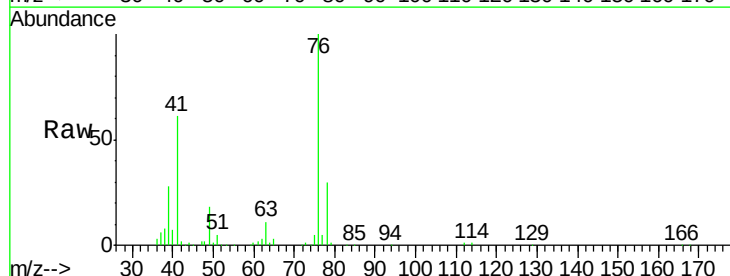
RT: 10.71 min Scan# 2778

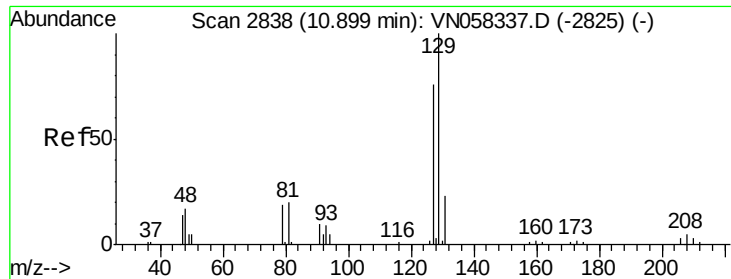
Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 200306 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 31.5  | 0.0   | 63.0   |





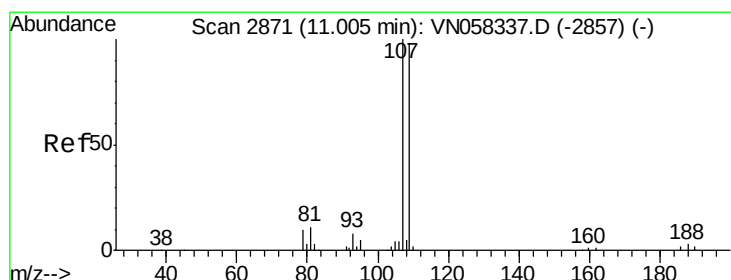
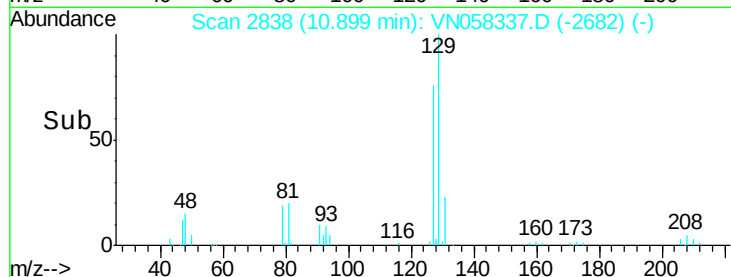
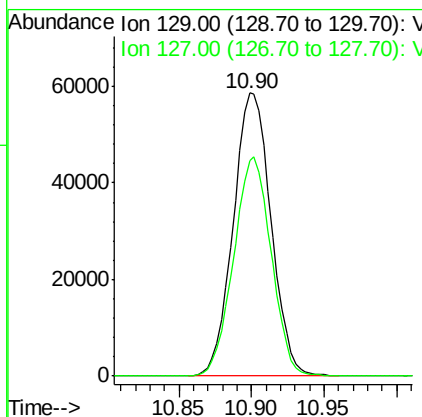
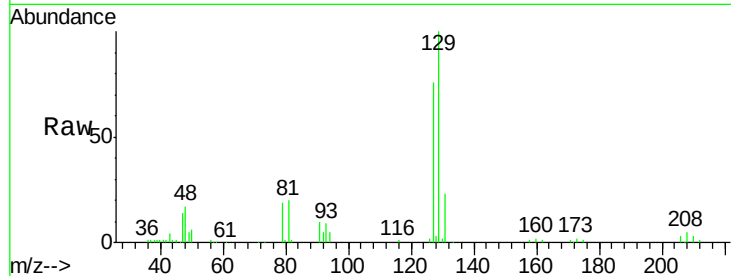
#53  
Dibromochloromethane  
Concen: 17.826 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tot Ion:129 Resp: 106089  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.4 115.2

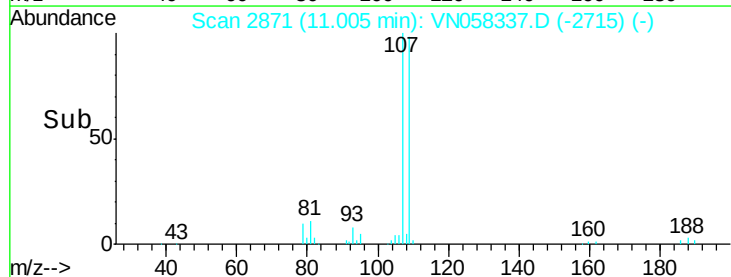
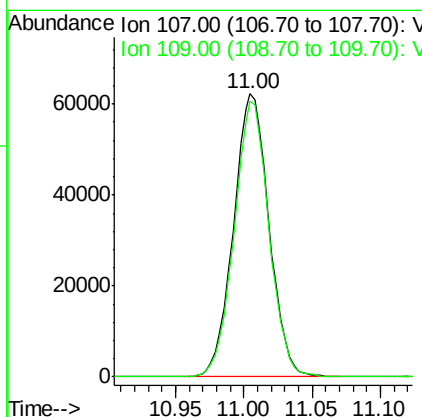
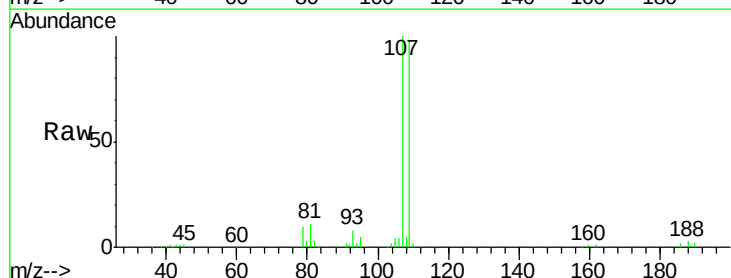
Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM

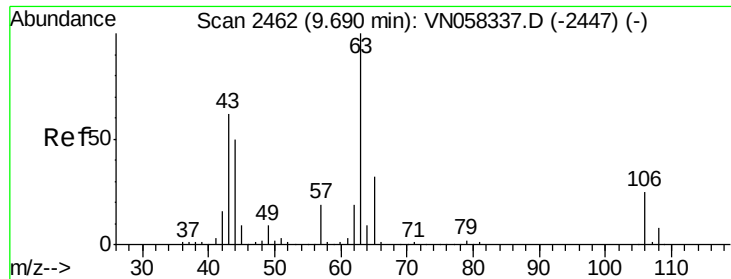


#54  
1,2-Dibromoethane  
Concen: 18.794 ug/l  
RT: 11.00 min Scan# 2871  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Tgt Ion:107 Resp: 112187  
Ion Ratio Lower Upper  
107 100  
109 95.6 76.5 114.7







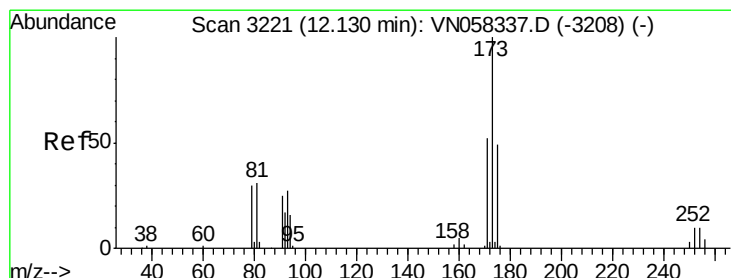
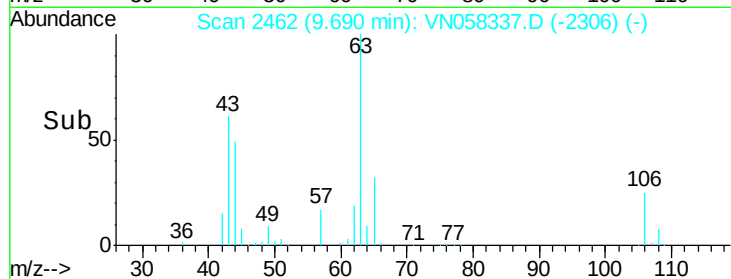
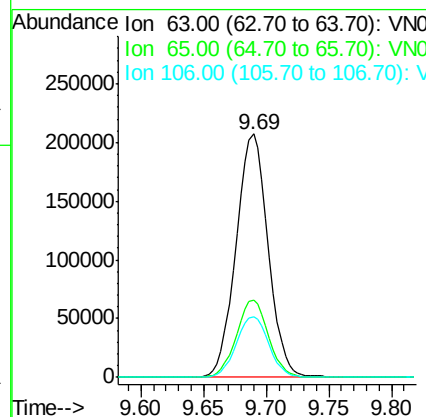
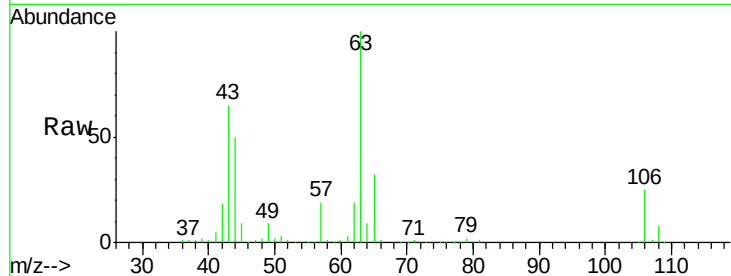
#55  
2-Chloroethyl vinyl ether  
Concen: 86.146 ug/l  
RT: 9.69 min Scan# 2462  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.8  | 25.4  | 38.2  |
| 106     | 25.5  | 20.4  | 30.6  |

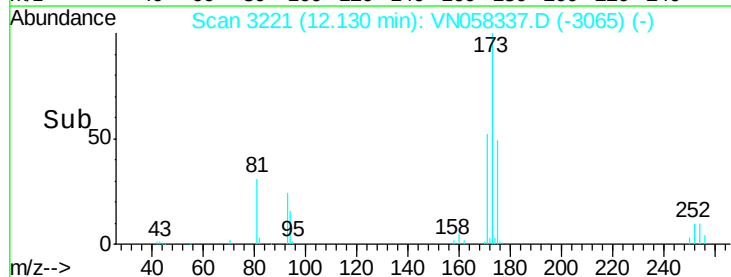
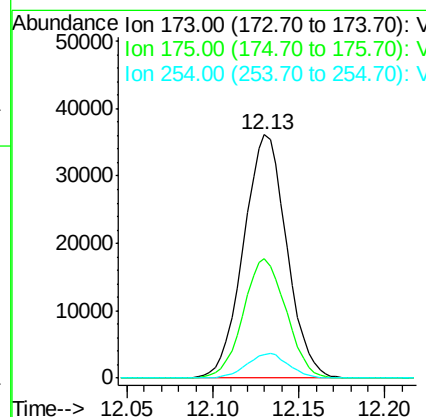
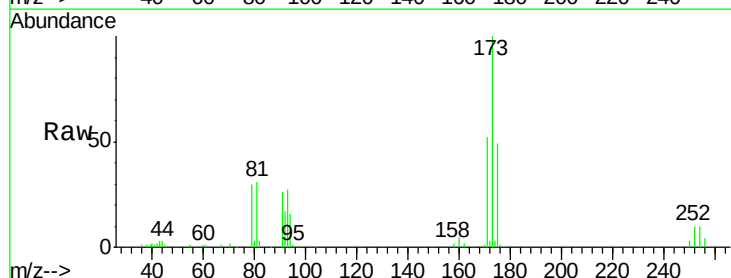
Manual Integrations  
APPROVED

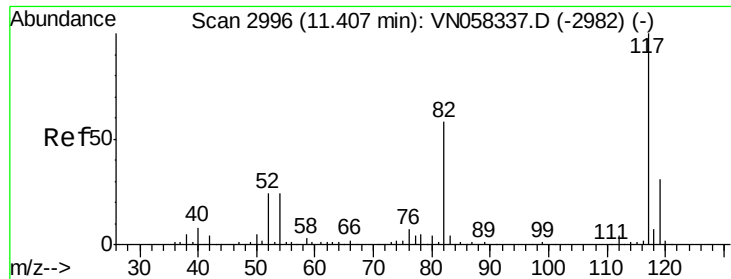
MMDadoda  
9/25/2019 8:22:51 AM



#56  
Bromoform  
Concen: 17.128 ug/l  
RT: 12.13 min Scan# 3221  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 38.8  | 58.2  |
| 254     | 9.8   | 7.8   | 11.8  |





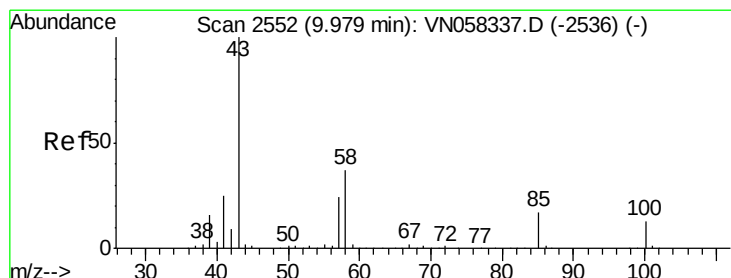
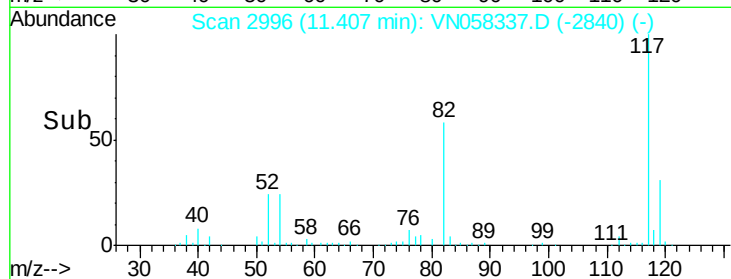
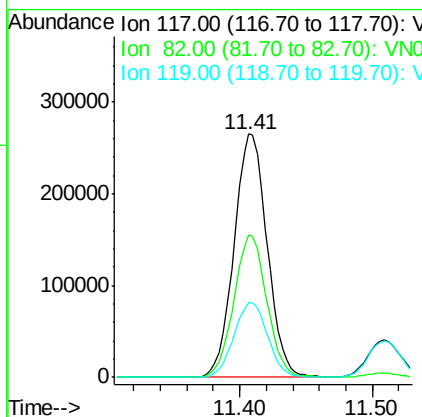
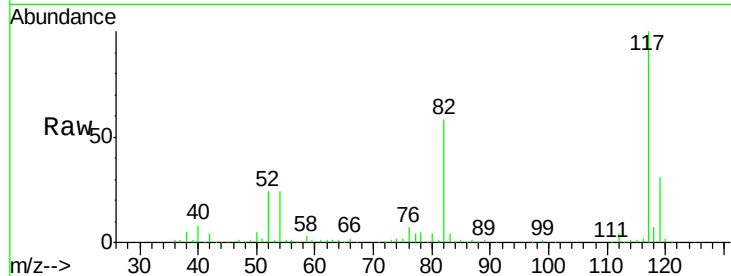
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 459778 |       |       |
| 82      | 58.0  | 46.4   | 69.6  |       |
| 119     | 31.4  | 25.1   | 37.7  |       |

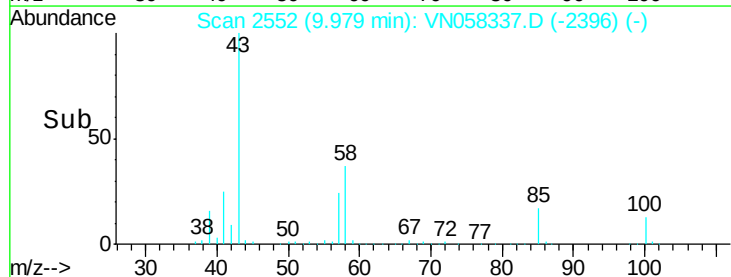
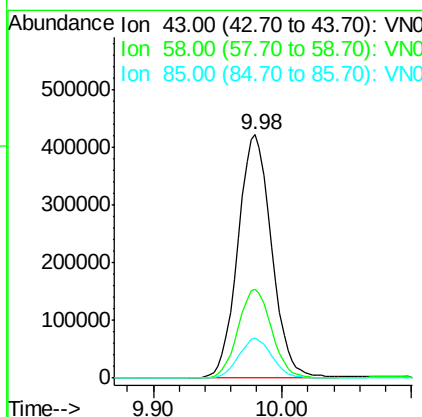
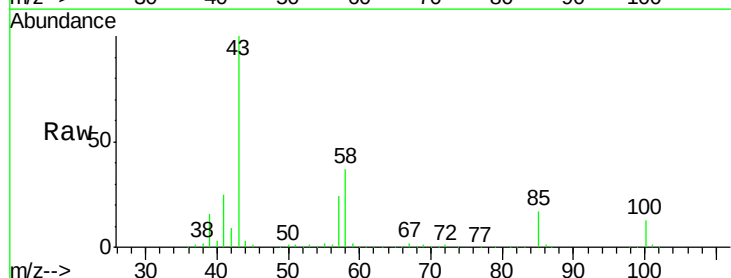
Manual Integrations  
APPROVED

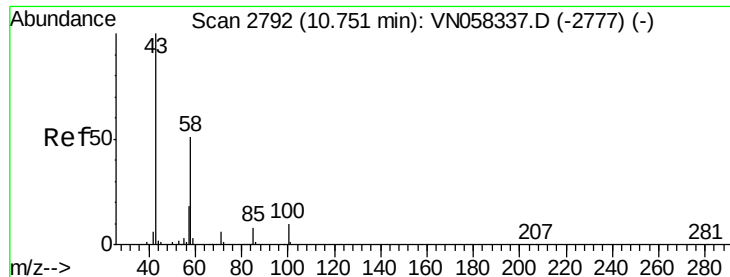
MMDadoda  
9/25/2019 8:22:51 AM



#58  
4-Methyl-2-Pentanone  
Concen: 106.354 ug/l  
RT: 9.98 min Scan# 2552  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 764726 |       |       |
| 58      | 36.6  | 29.3   | 43.9  |       |
| 85      | 16.4  | 13.1   | 19.7  |       |





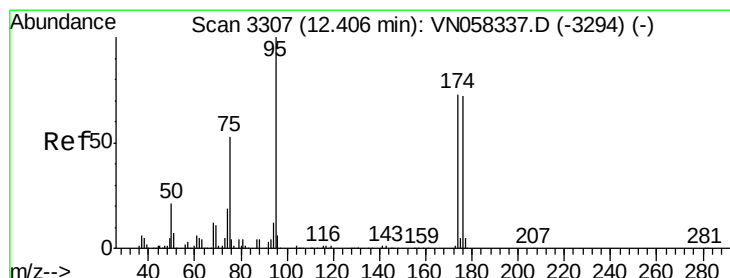
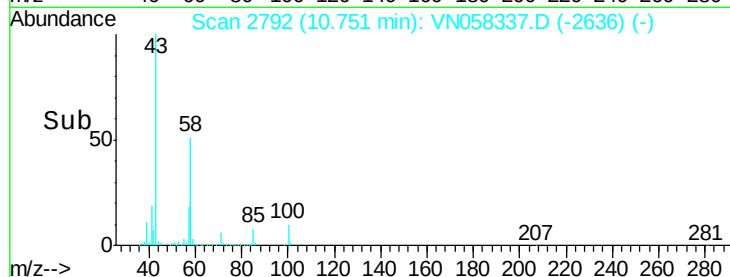
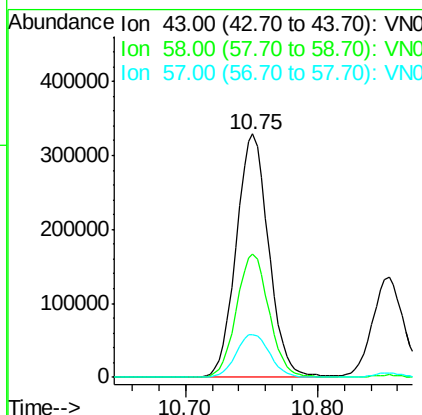
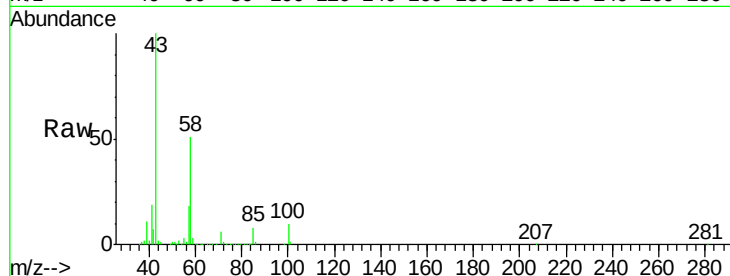
#59  
2-Hexanone  
Concen: 103.199 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 50.9  | 40.7  | 61.1  |
| 57      | 18.4  | 14.7  | 22.1  |

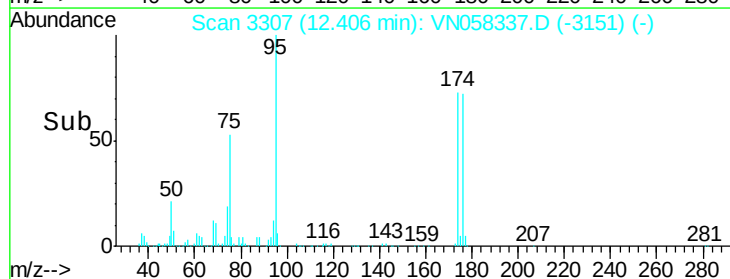
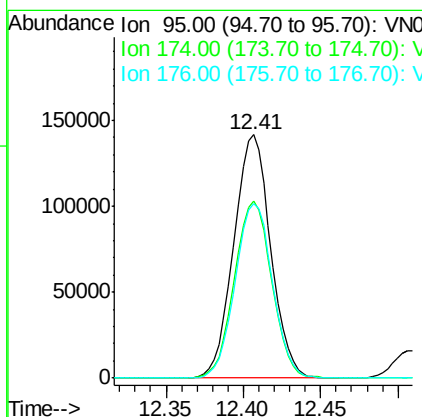
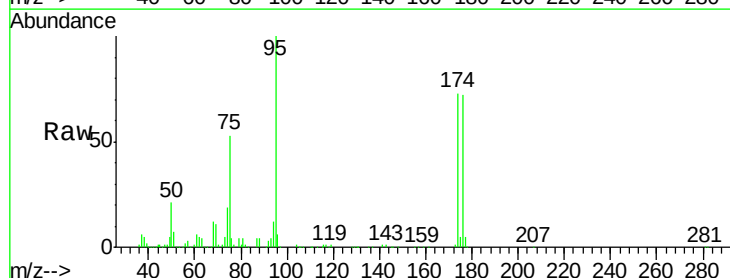
Manual Integrations  
APPROVED

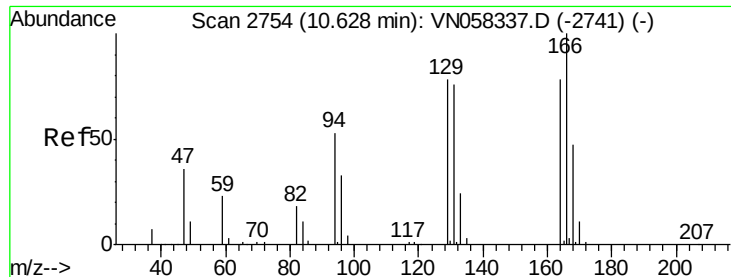
MMDadoda  
9/25/2019 8:22:51 AM



#60  
4-Bromofluorobenzene  
Concen: 29.677 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 73.8  | 59.0  | 88.6  |
| 176     | 72.7  | 58.2  | 87.2  |





#61

Tetrachloroethene

Concen: 19.913 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 94072

Ion Ratio Lower Upper

164 100

166 128.3 102.6 154.0

129 99.7 79.8 119.6

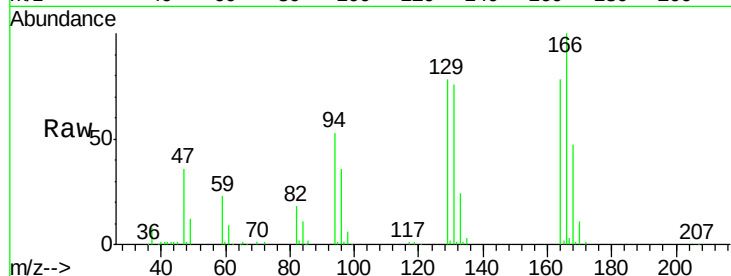
131 97.6 78.1 117.1

Manual Integrations

APPROVED

MMDadoda

9/25/2019 8:22:51 AM



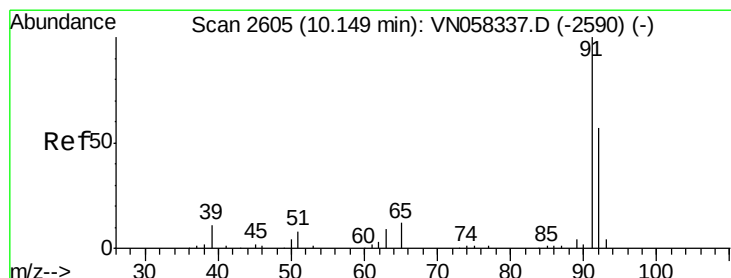
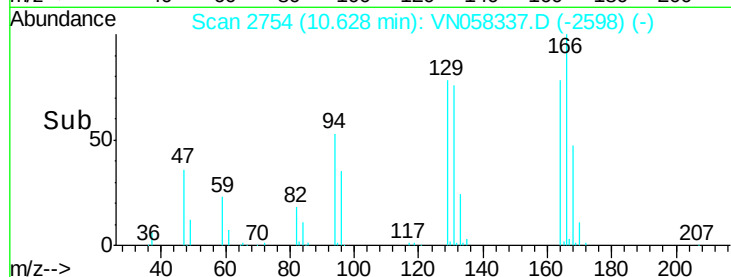
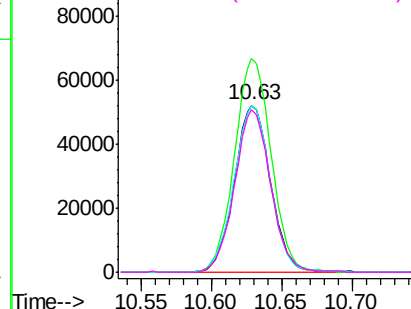
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.830 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058337.D

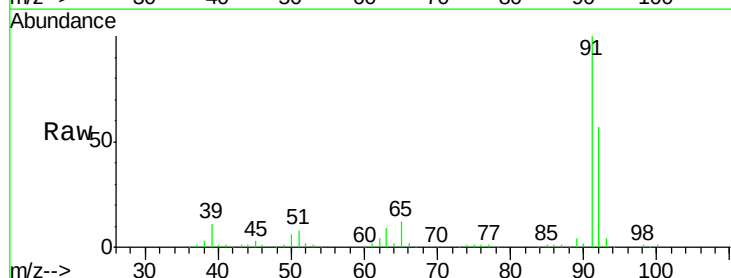
Acq: 24 Sep 2019 10:30

Tgt Ion: 91 Resp: 506616

Ion Ratio Lower Upper

91 100

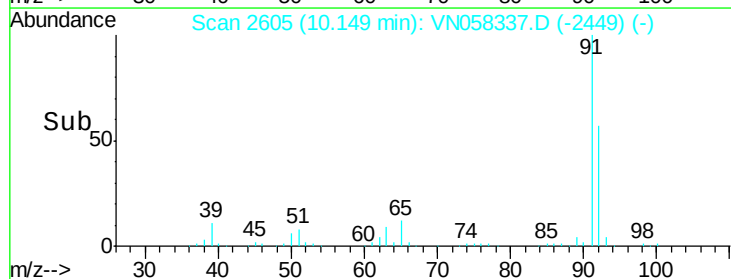
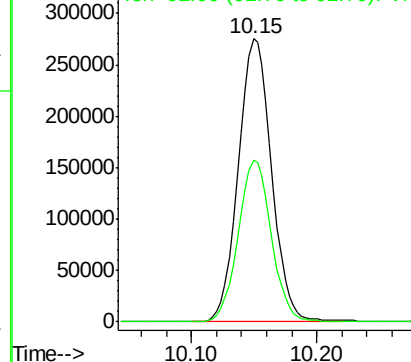
92 56.9 45.5 68.3

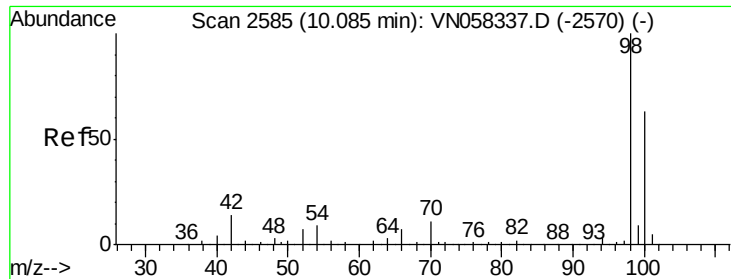


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





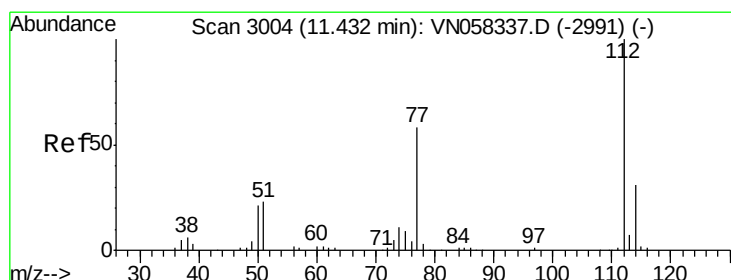
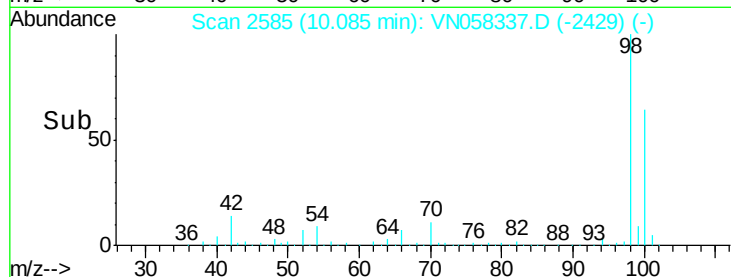
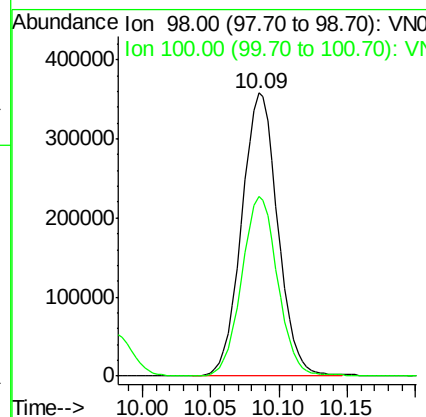
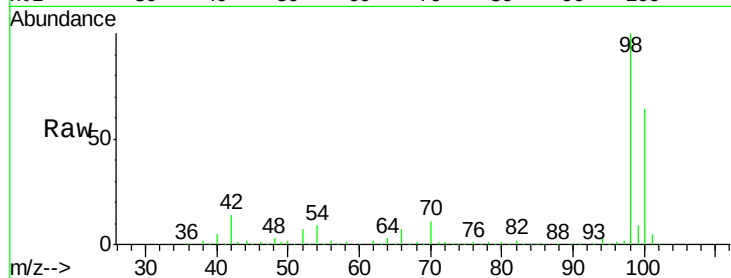
#63  
Toluene-d8  
Concen: 29.936 ug/l  
RT: 10.09 min Scan# 2585  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tot Ion: 98 Resp: 657600  
Ion Ratio Lower Upper  
98 100  
100 62.7 50.2 75.2

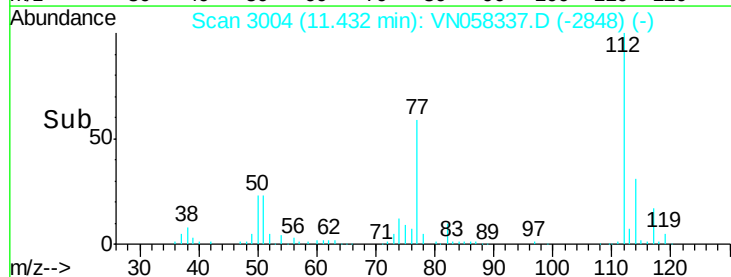
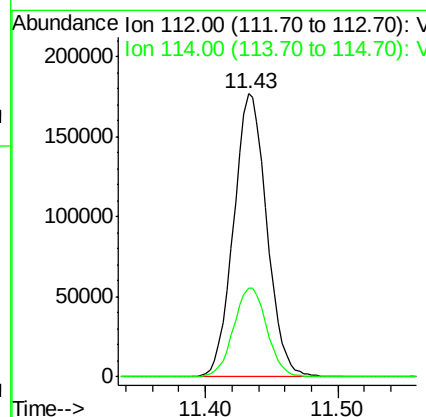
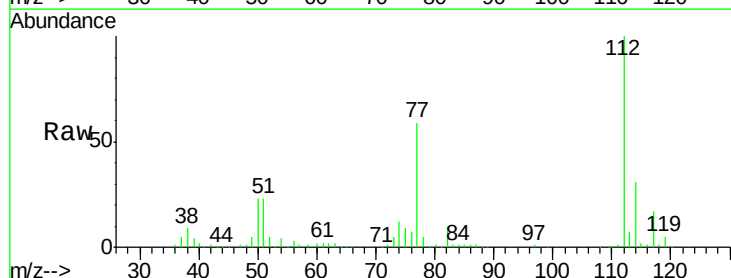
Manual Integrations  
APPROVED

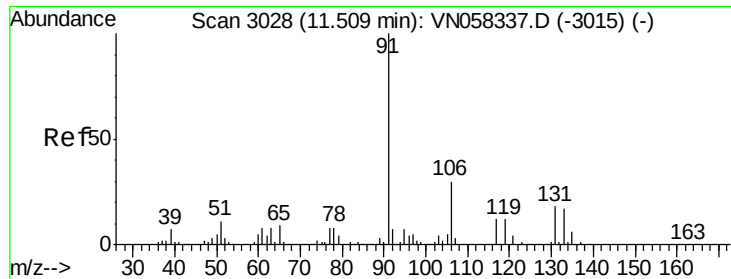
MMDadoda  
9/25/2019 8:22:51 AM



#64  
Chlorobenzene  
Concen: 19.390 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Tgt Ion: 112 Resp: 307104  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 18.714 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

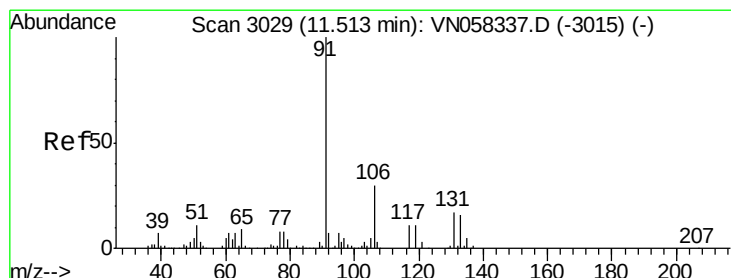
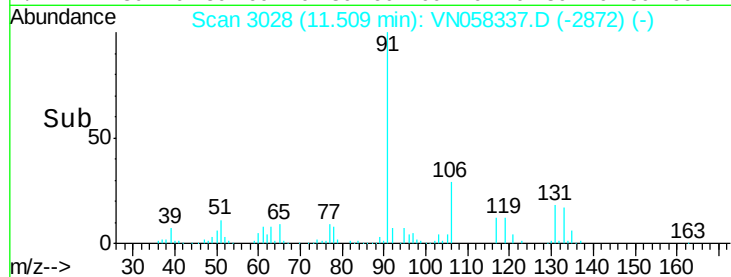
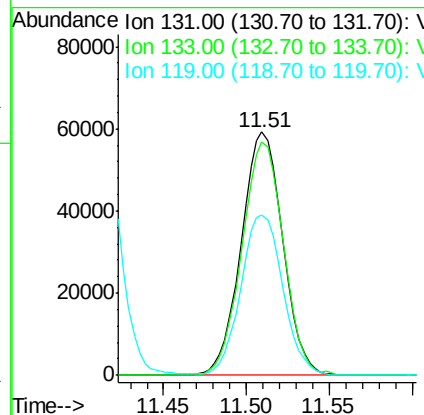
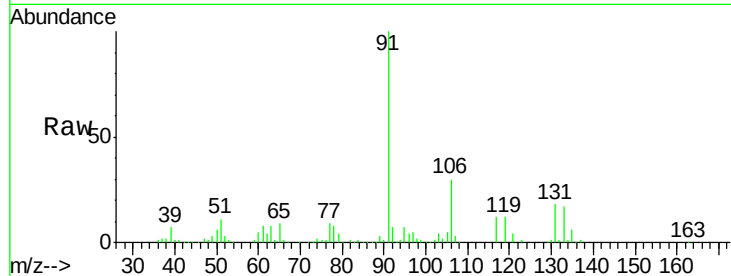
ClientSampleId :

VSTDICCC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 103208 |       |       |
| 133     | 95.9  | 0.0    | 191.8 |       |
| 119     | 67.1  | 0.0    | 134.2 |       |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM



#66

Ethyl Benzene

Concen: 20.254 ug/l

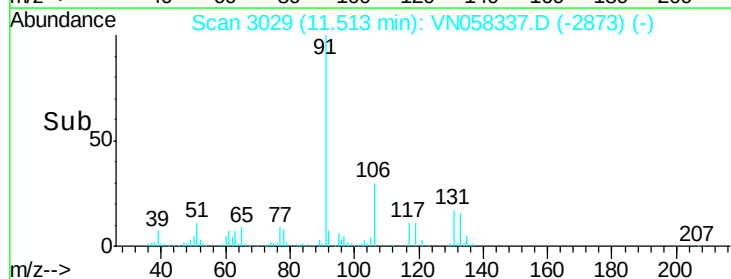
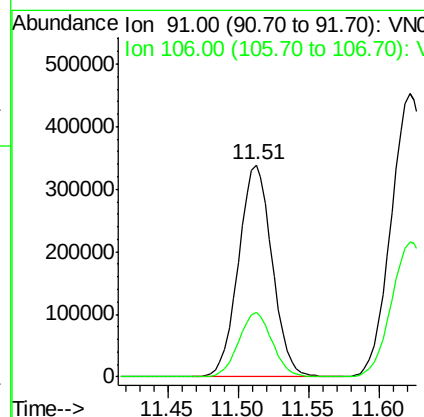
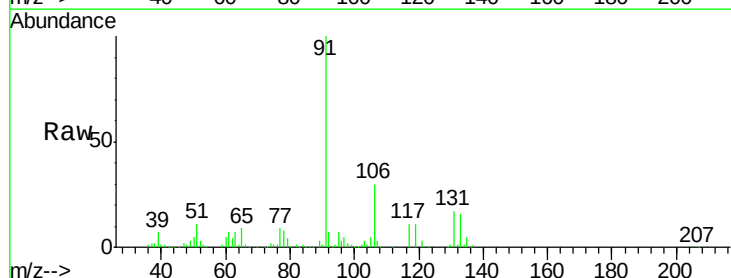
RT: 11.51 min Scan# 3029

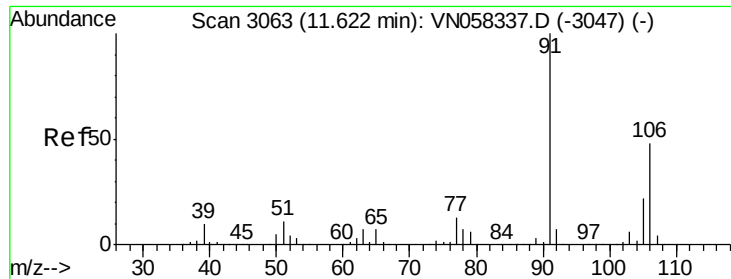
Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 566355 |       |       |
| 106     | 30.3  | 24.2   | 36.4  |       |





#67

m/p-Xylenes

Concen: 38.984 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 416411

Ion Ratio Lower Upper

106 100

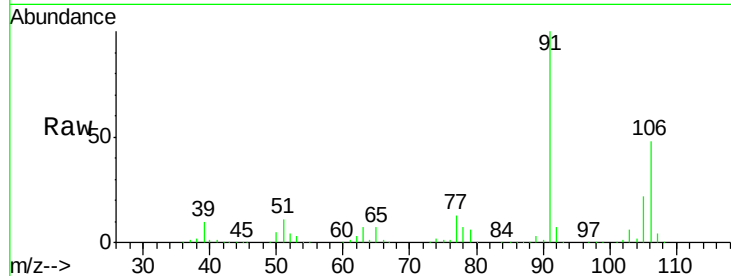
91 209.7 167.8 251.6

Manual Integrations

APPROVED

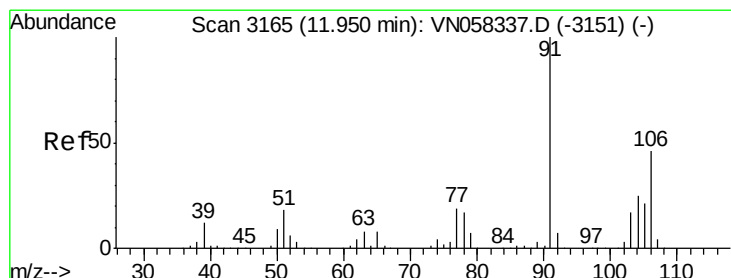
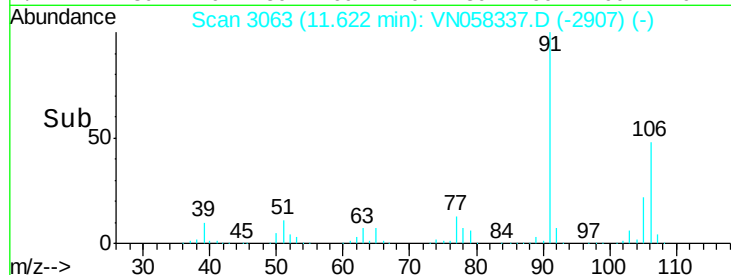
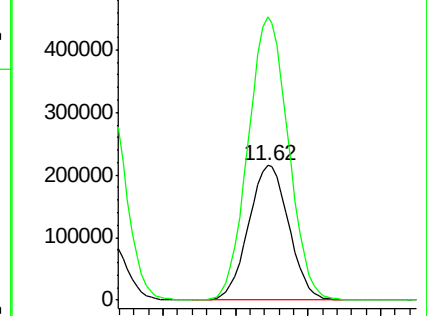
MMDadoda

9/25/2019 8:22:51 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.237 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058337.D

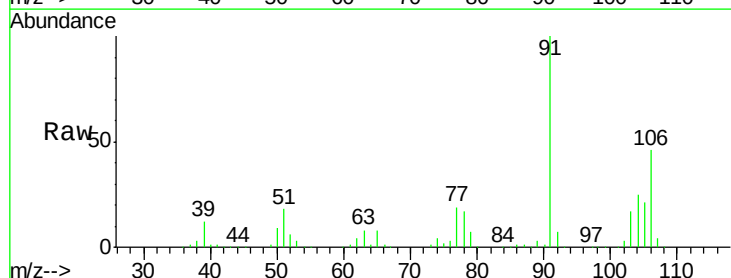
Acq: 24 Sep 2019 10:30

Tgt Ion:106 Resp: 201641

Ion Ratio Lower Upper

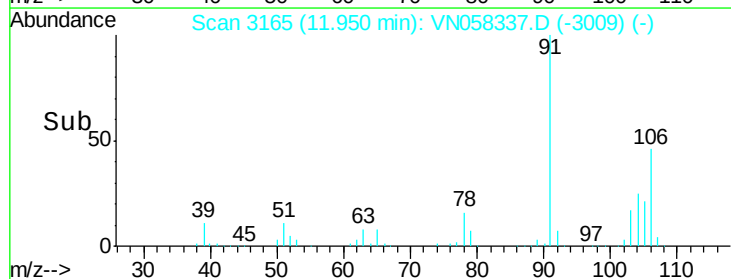
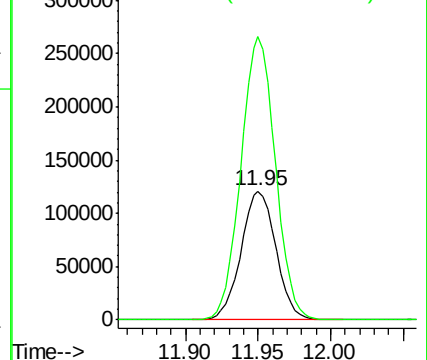
106 100

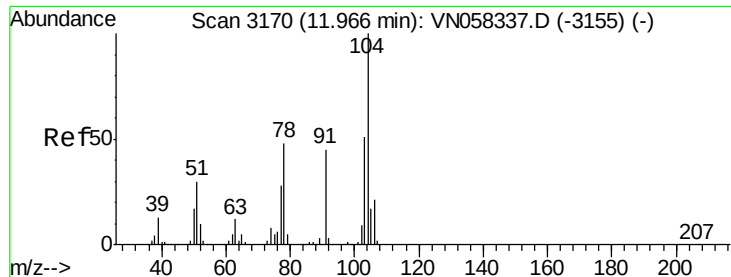
91 217.3 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





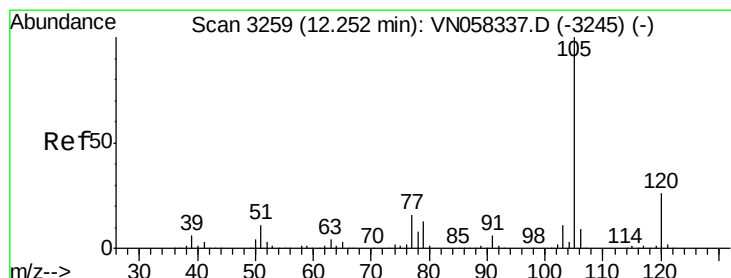
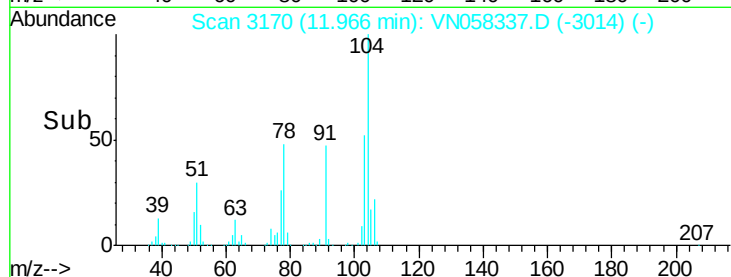
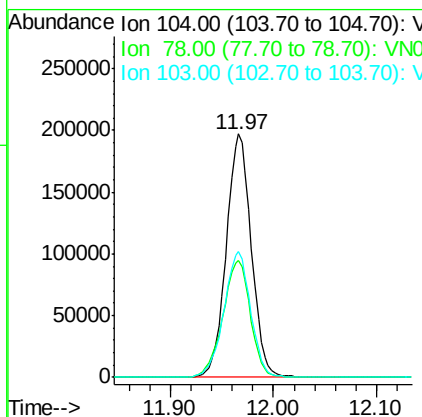
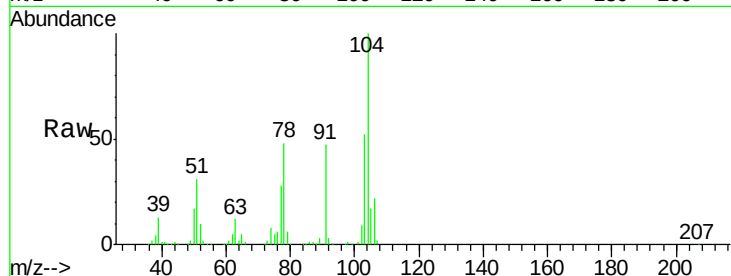
#69  
Stvrene  
Concen: 18.787 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDICCC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 333734 |       |       |
| 78      | 52.9  | 42.3   | 63.5  |       |
| 103     | 55.1  | 44.1   | 66.1  |       |

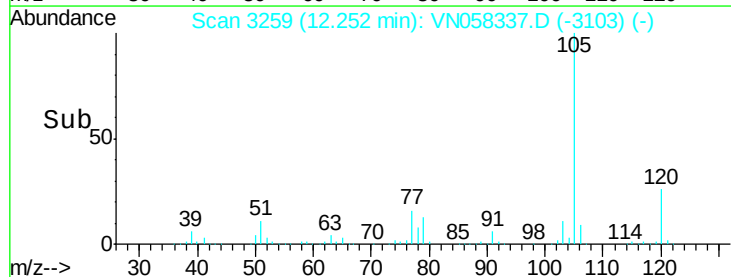
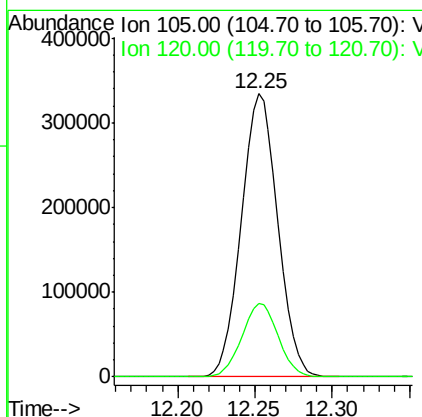
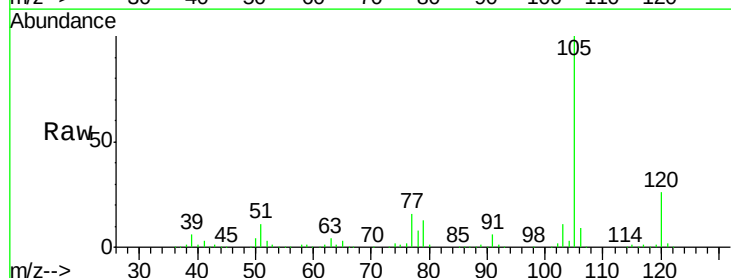
Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM

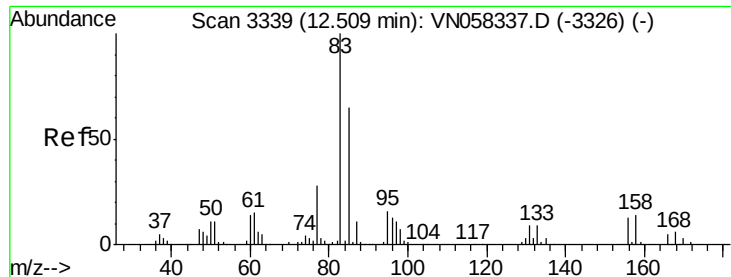


#70  
Isopropylbenzene  
Concen: 19.898 ug/l  
RT: 12.25 min Scan# 3259  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 547571 |       |       |
| 120     | 26.0  | 18.2   | 33.8  |       |







#71

1,1,2,2-Tetrachloroethane

Concen: 19.008 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

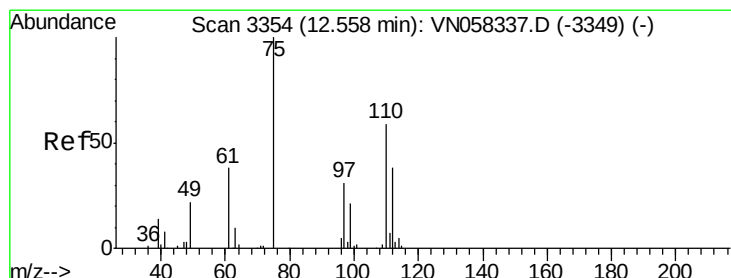
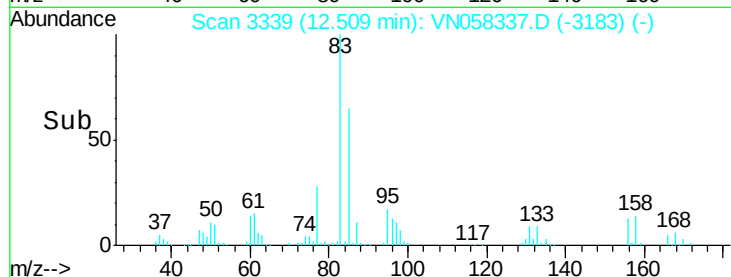
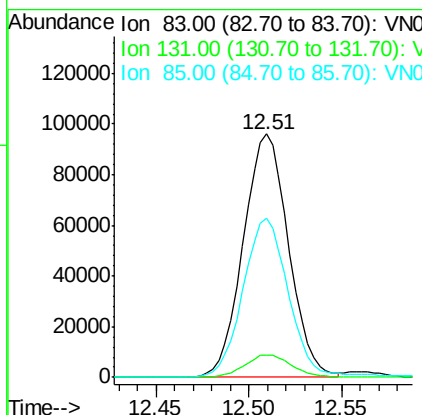
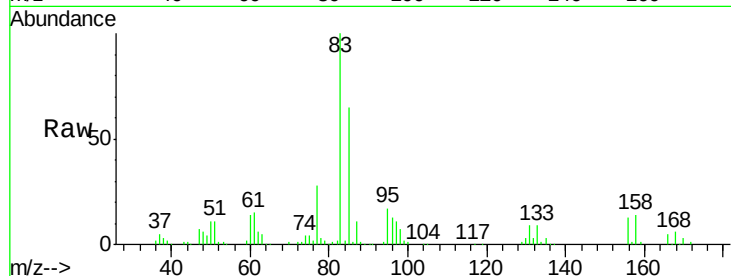
ClientSampleId :

VSTDICCC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 163442 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.5   | 4.8   | 14.3   |
| 85        | 65.1  | 32.6  | 97.7   |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM



#72

1,2,3-Trichloropropane

Concen: 18.854 ug/l m

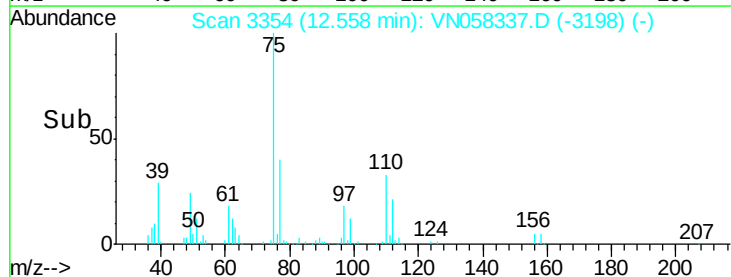
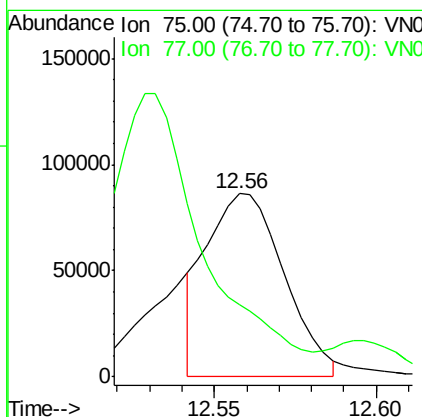
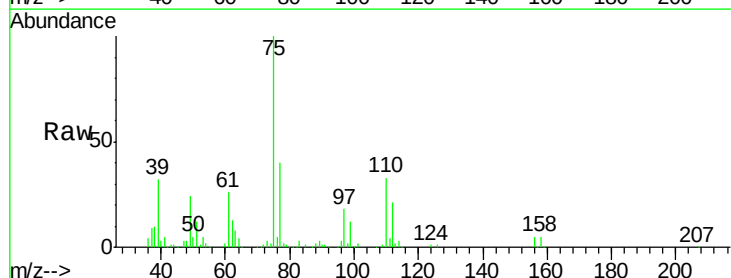
RT: 12.56 min Scan# 3354

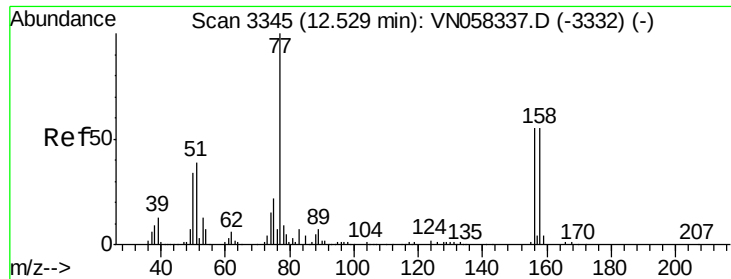
Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 143875 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 191.2 | 0.0   | 382.4  |





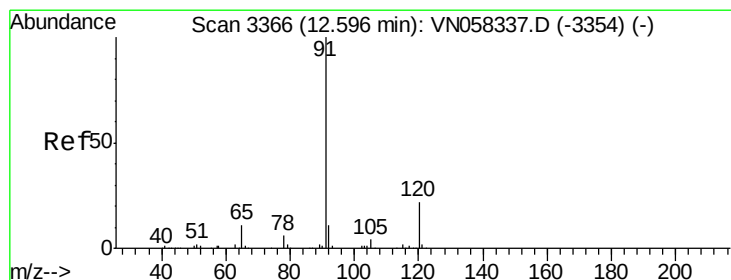
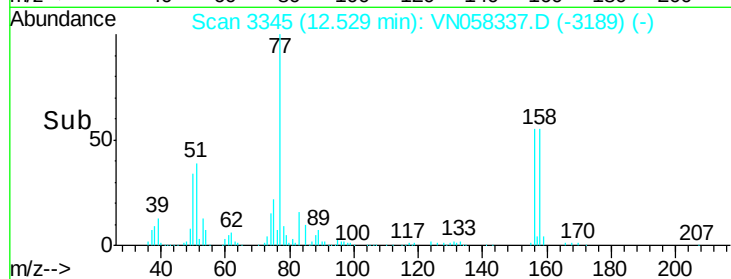
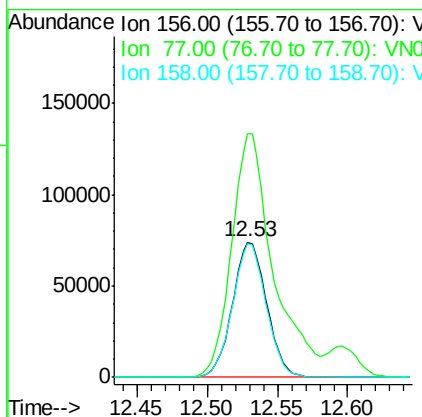
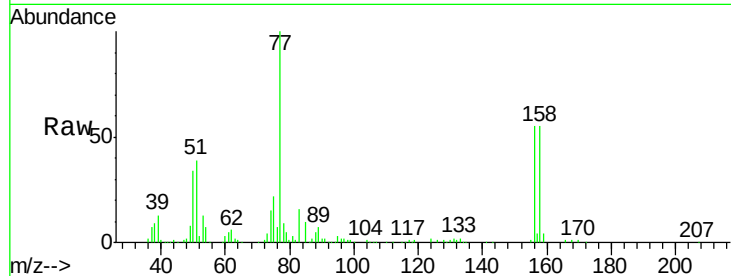
#73  
Bromobenzene  
Concen: 18.883 ug/l  
RT: 12.53 min Scan# 3345  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 156     | 100   | 125377 |       |       |
| 77      | 219.4 | 0.0    | 438.8 |       |
| 158     | 97.8  | 0.0    | 195.6 |       |

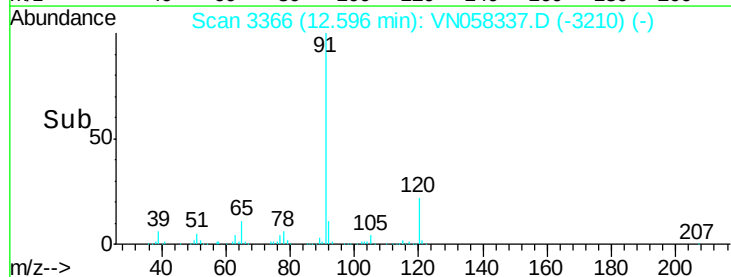
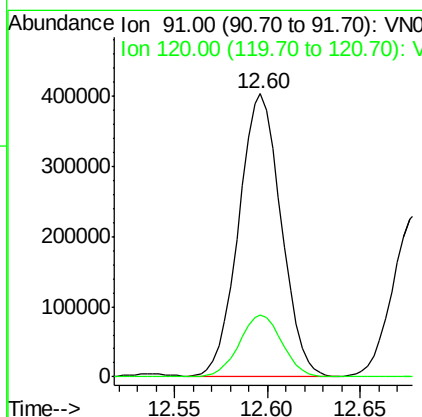
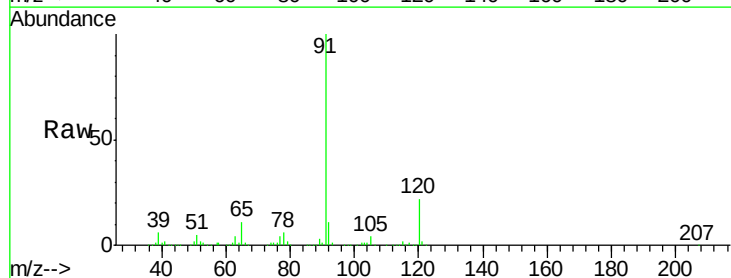
Manual Integrations  
APPROVED

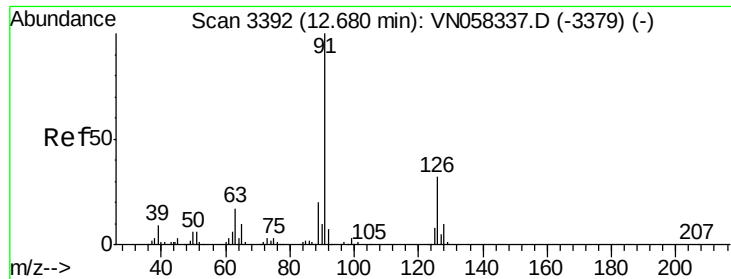
MMDadoda  
9/25/2019 8:22:51 AM



#74  
n-propylbenzene  
Concen: 20.334 ug/l  
RT: 12.60 min Scan# 3366  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 640765 |       |       |
| 120     | 22.0  | 0.0    | 44.0  |       |





#75

2-Chlorotoluene

Concen: 19.206 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 377764

Ion Ratio Lower Upper

91 100

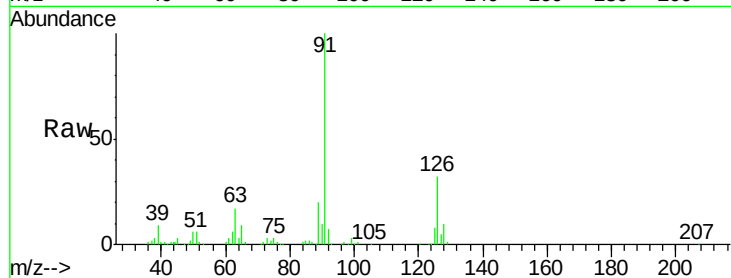
126 32.5 0.0 65.0

Manual Integrations

APPROVED

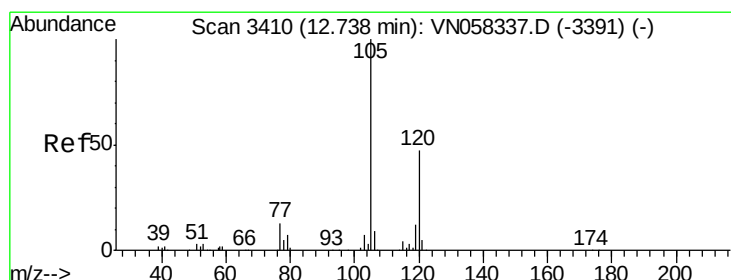
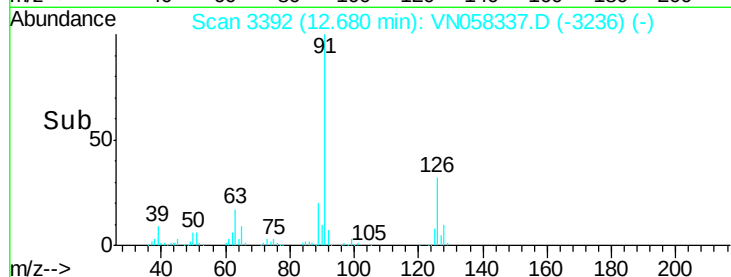
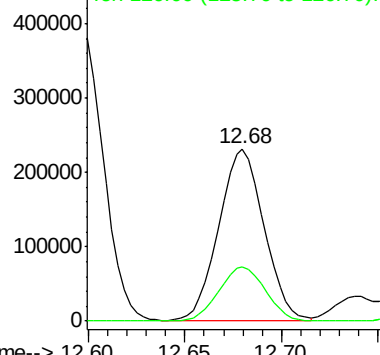
MMDadoda

9/25/2019 8:22:51 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.720 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058337.D

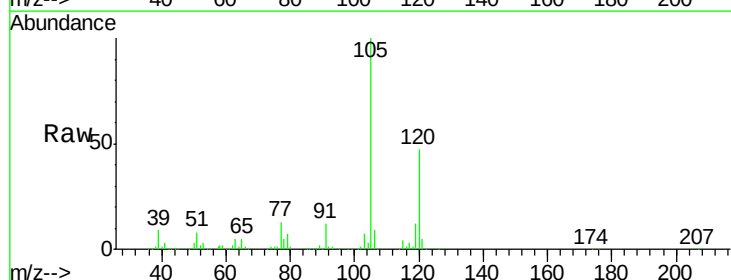
Acq: 24 Sep 2019 10:30

Tgt Ion:105 Resp: 463830

Ion Ratio Lower Upper

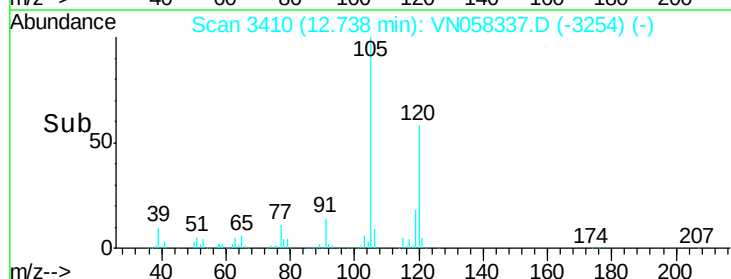
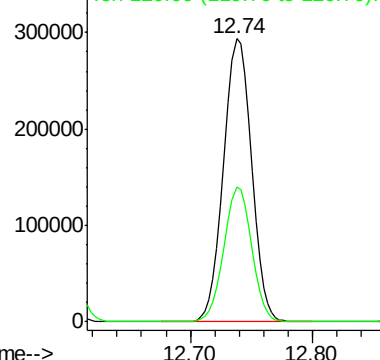
105 100

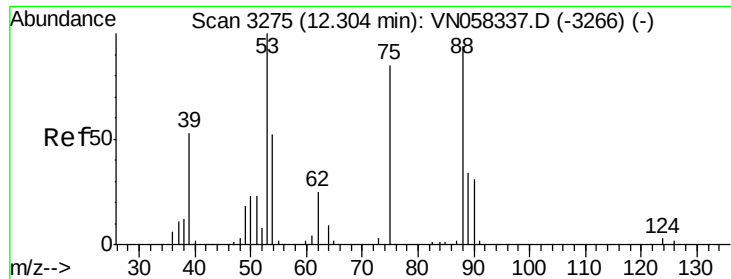
120 47.2 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 17.405 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 40264

Ion Ratio Lower Upper

75 100

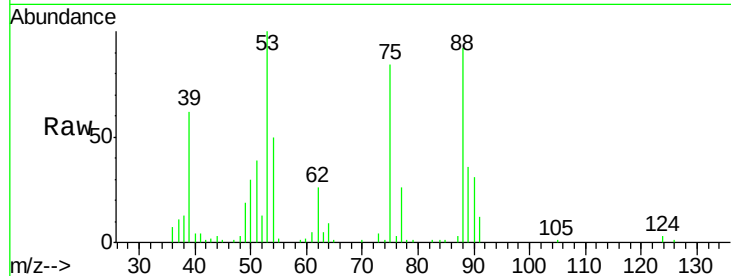
53 117.9 59.0 176.8

89 43.3 21.6 65.0

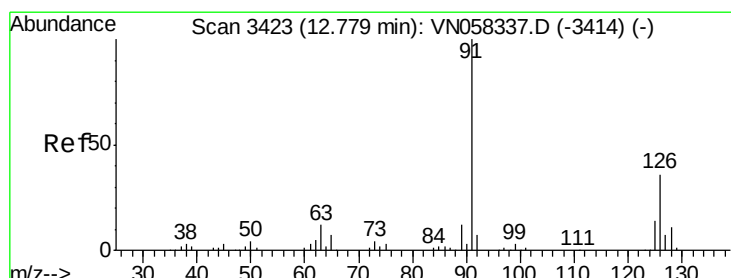
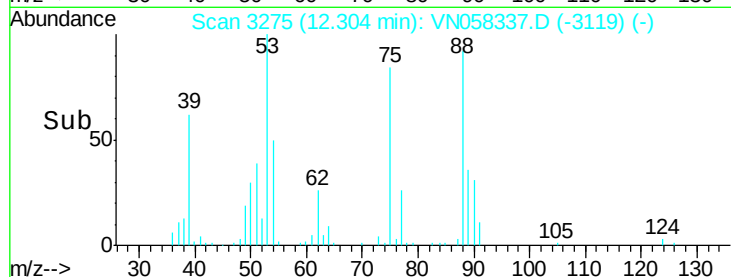
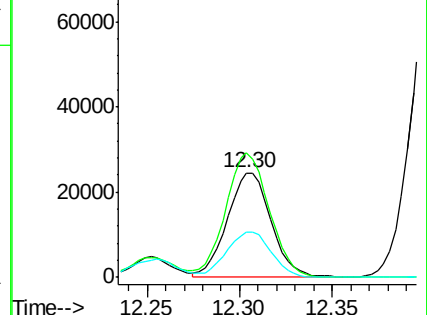
Manual Integrations  
APPROVED

MMDadoda

9/25/2019 8:22:51 AM



Abundance Ion 75.00 (74.70 to 75.70): VN0  
Ion 53.00 (52.70 to 53.70): VN0  
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.196 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058337.D

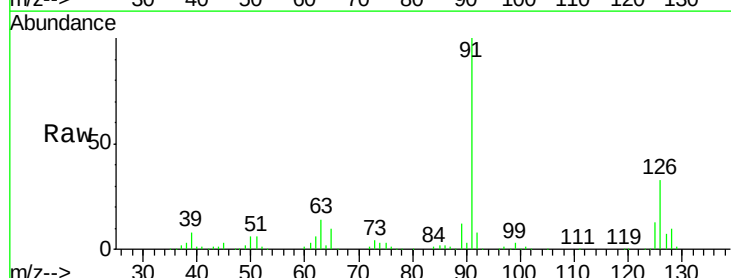
Acq: 24 Sep 2019 10:30

Tgt Ion: 91 Resp: 386851

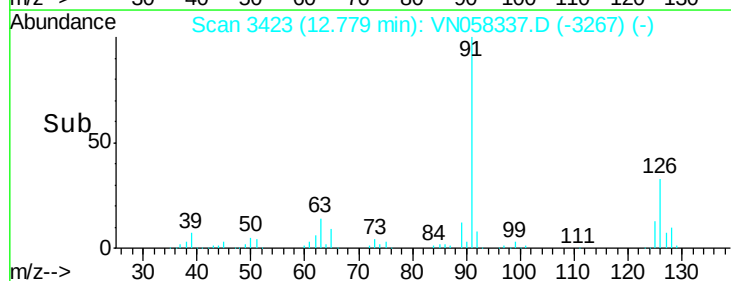
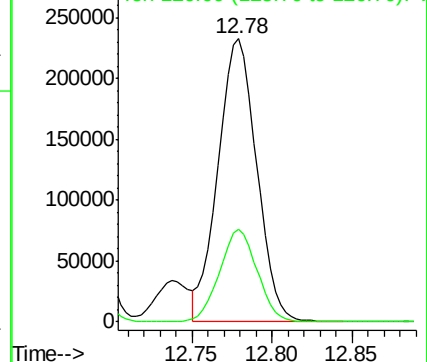
Ion Ratio Lower Upper

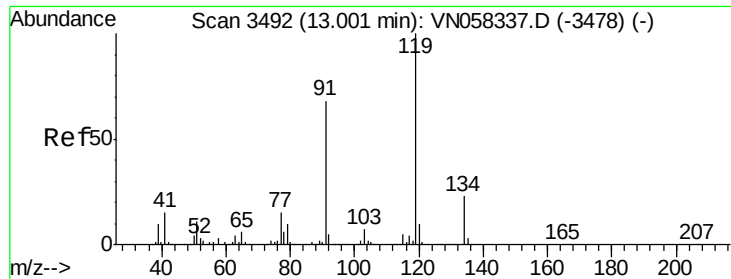
91 100

126 31.9 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN0  
Ion 126.00 (125.70 to 126.70): V





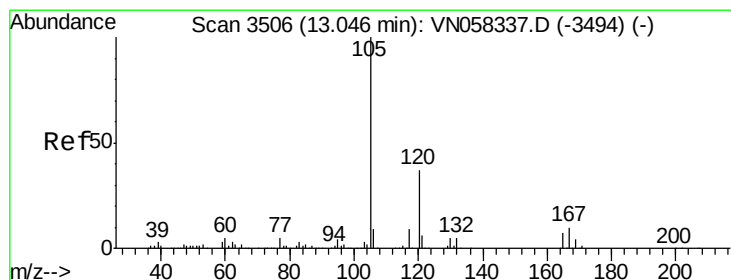
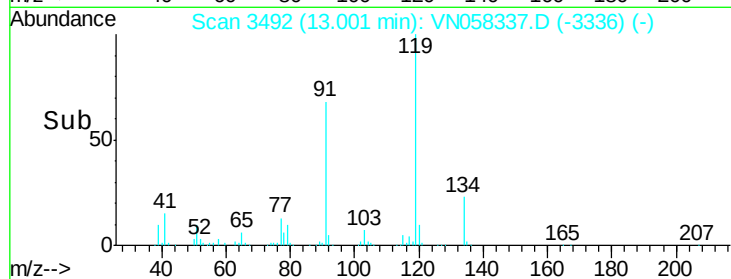
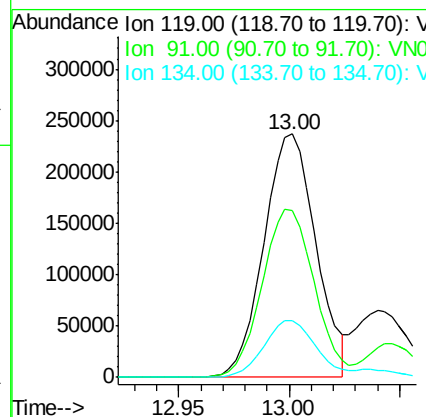
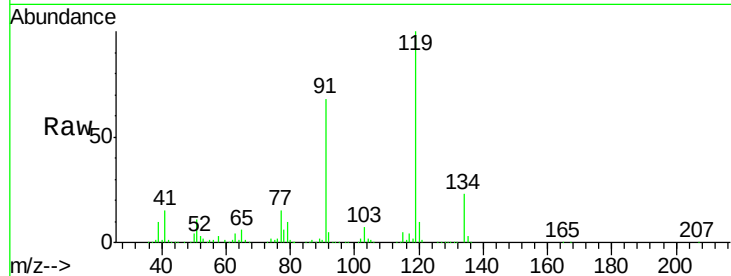
#79  
tert-butylbenzene  
Concen: 18.987 ug/l  
RT: 13.00 min Scan# 3492  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 386970 |       |       |
| 91      | 69.1  |        | 0.0   | 138.2 |
| 134     | 23.4  |        | 0.0   | 46.8  |

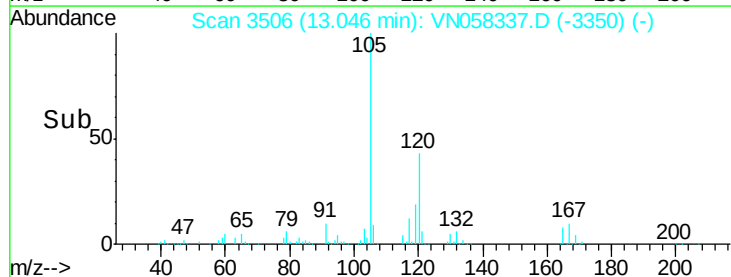
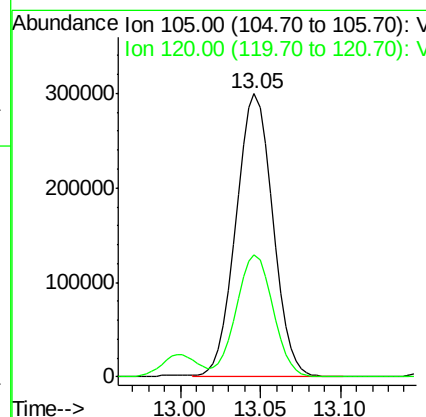
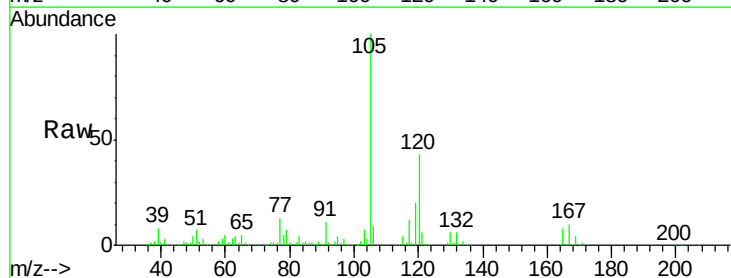
Manual Integrations  
APPROVED

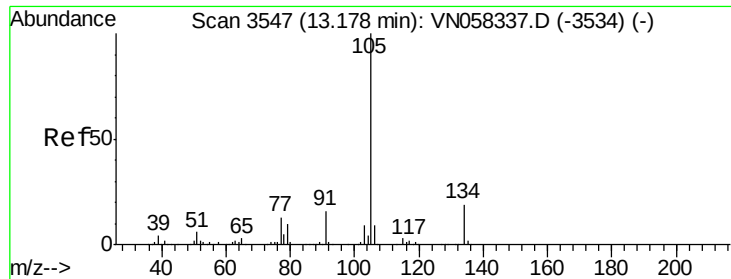
MMDadoda  
9/25/2019 8:22:51 AM



#80  
1,2,4-Trimethylbenzene  
Concen: 19.918 ug/l  
RT: 13.05 min Scan# 3506  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 467824 |       |       |
| 120     | 43.3  |        | 0.0   | 86.6  |





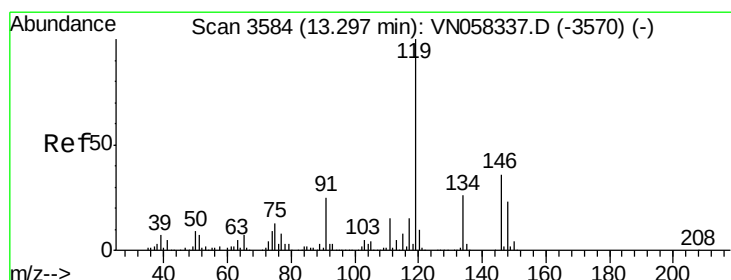
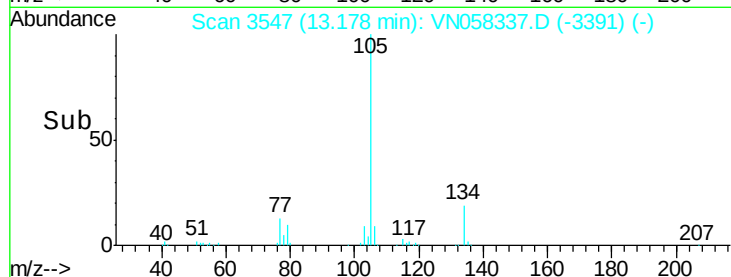
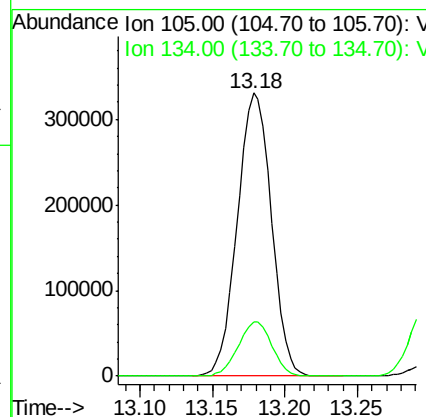
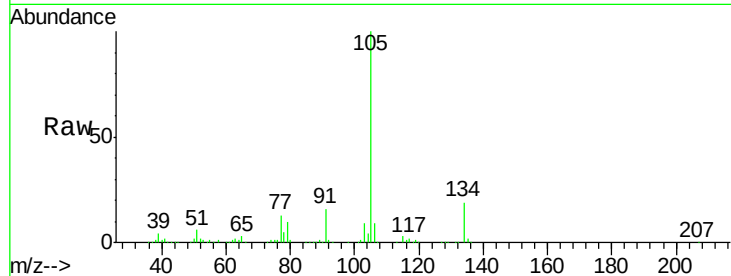
#81  
 sec-Butylbenzene  
 Concen: 19.738 ug/l  
 RT: 13.18 min Scan# 3547  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 537823 |       |       |
| 134     | 19.1  | 0.0    | 38.2  |       |

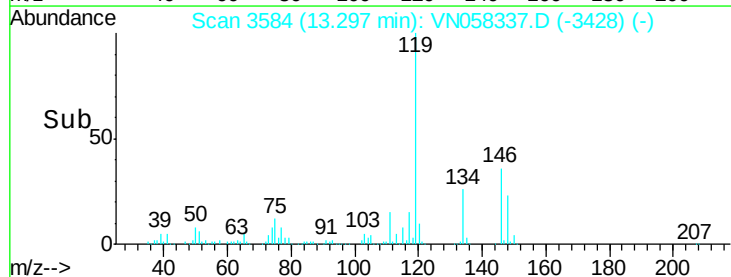
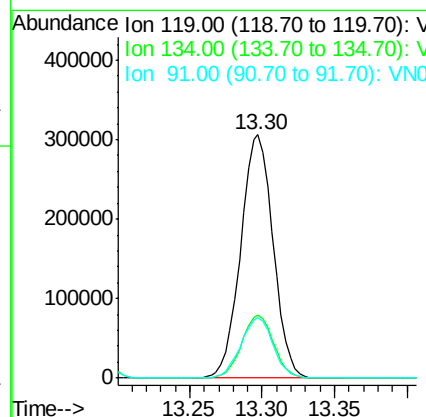
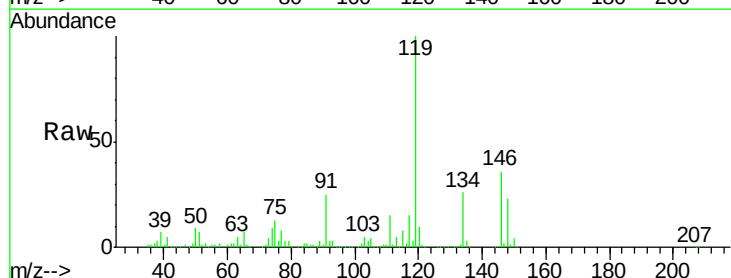
Manual Integrations  
 APPROVED

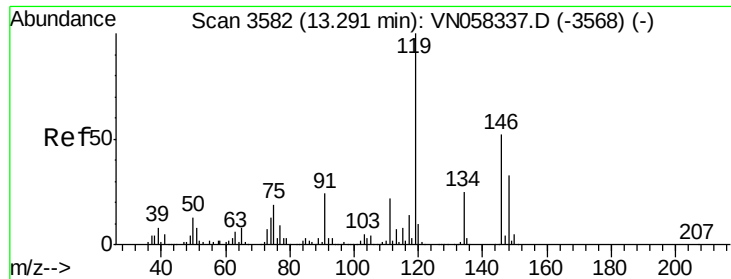
MMDadoda  
 9/25/2019 8:22:51 AM



#82  
 p-Isopropyltoluene  
 Concen: 19.464 ug/l  
 RT: 13.30 min Scan# 3584  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 472948 |       |       |
| 134     | 25.8  | 0.0    | 51.6  |       |
| 91      | 24.8  | 0.0    | 49.6  |       |





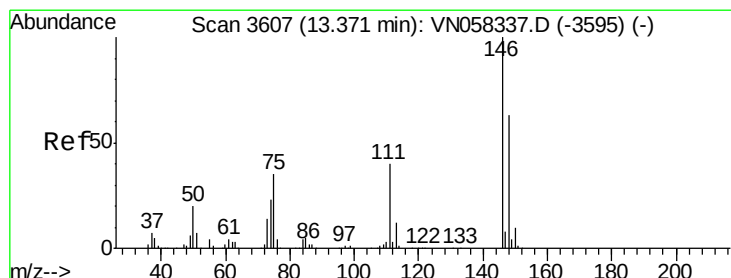
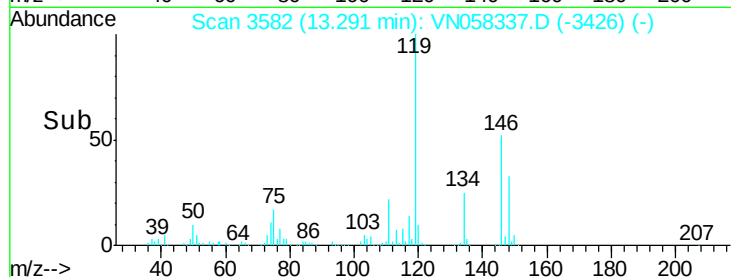
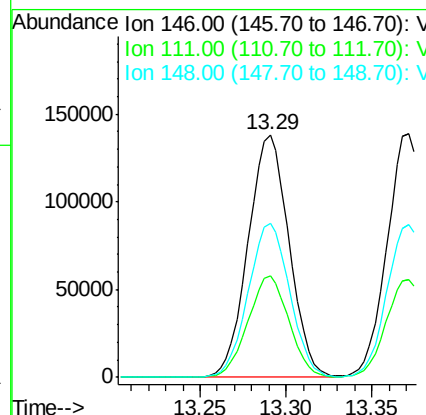
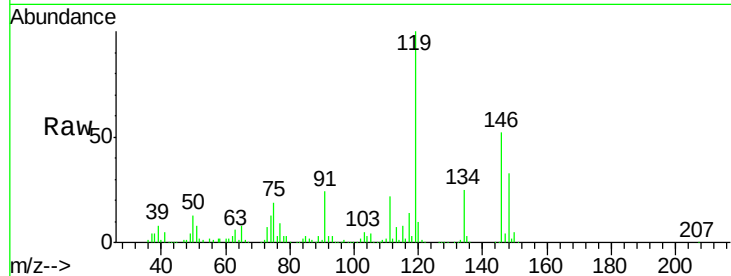
#83  
 1,3-Dichlorobenzene  
 Concen: 18.602 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 228335 |       |       |
| 111     | 41.9  | 20.9   | 62.8  |       |
| 148     | 64.1  | 32.0   | 96.2  |       |

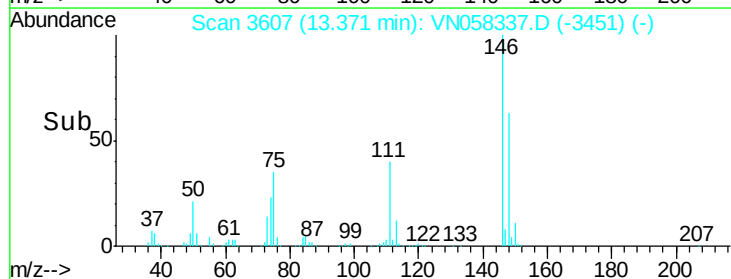
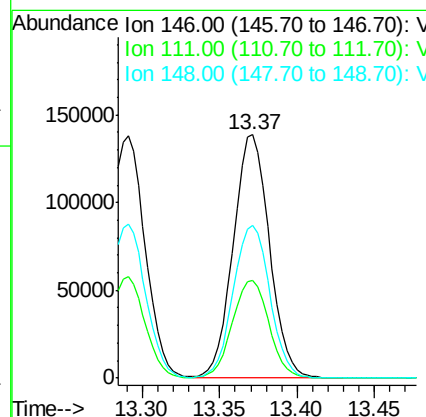
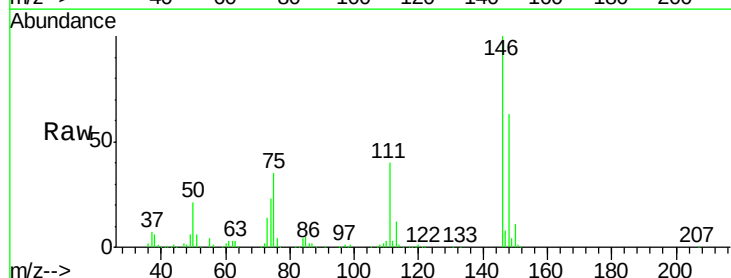
Manual Integrations  
 APPROVED

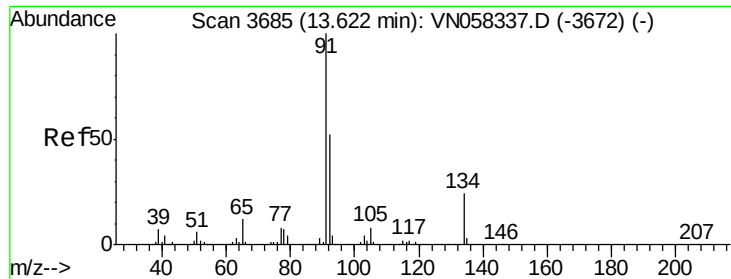
MMDadoda  
 9/25/2019 8:22:51 AM



#84  
 1,4-Dichlorobenzene  
 Concen: 18.500 ug/l  
 RT: 13.37 min Scan# 3607  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 224192 |       |       |
| 111     | 40.9  | 20.4   | 61.3  |       |
| 148     | 63.8  | 31.9   | 95.7  |       |





#85

n-Butylbenzene

Concen: 18.968 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

Instrument :

MSVOA\_N

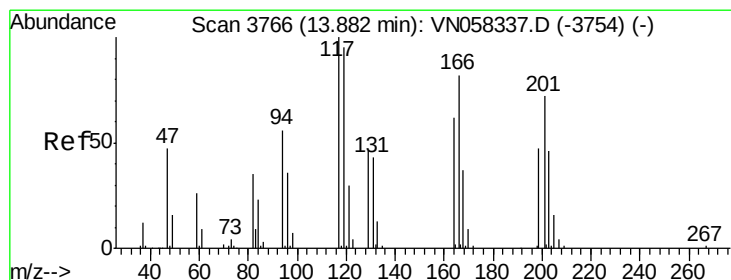
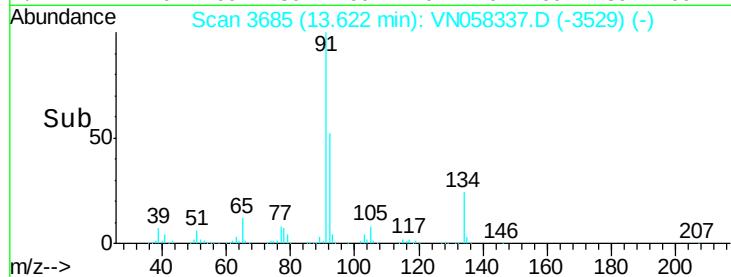
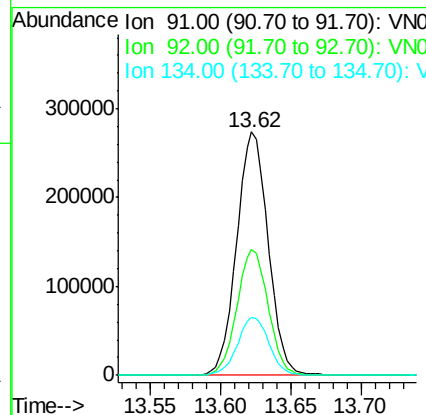
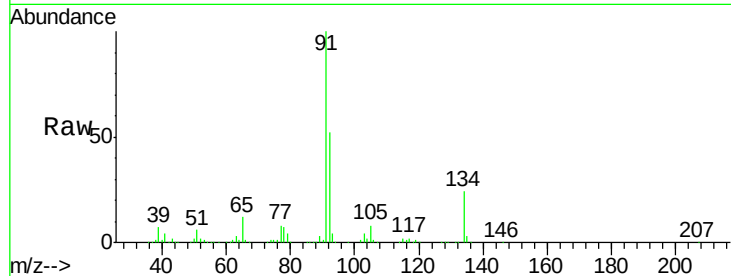
ClientSampleId :

VSTDICCC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 428411 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 51.3  | 0.0   | 102.6  |
| 134       | 23.9  | 0.0   | 47.8   |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM



#86

Hexachloroethane

Concen: 17.528 ug/l

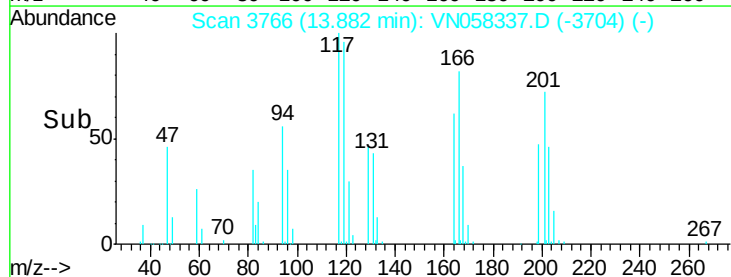
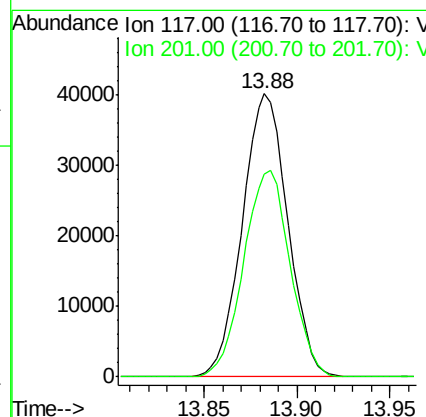
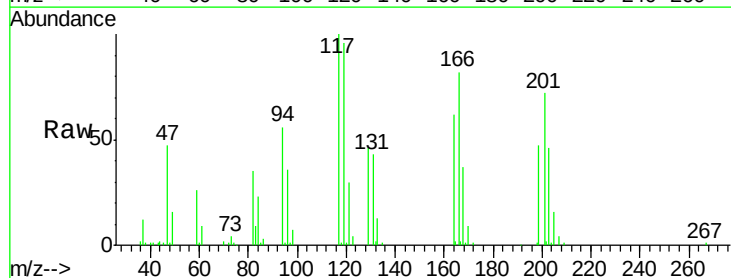
RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

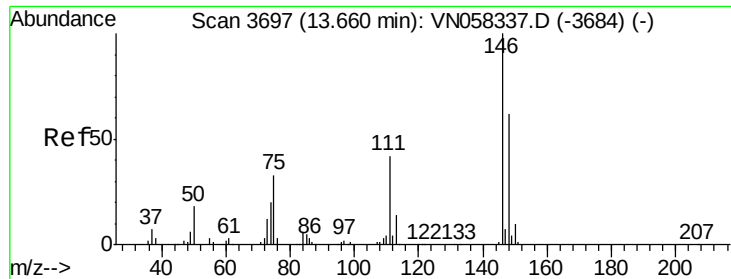
Lab File: VN058337.D

Acq: 24 Sep 2019 10:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 68532 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 201       | 74.4  | 37.2  | 111.6 |







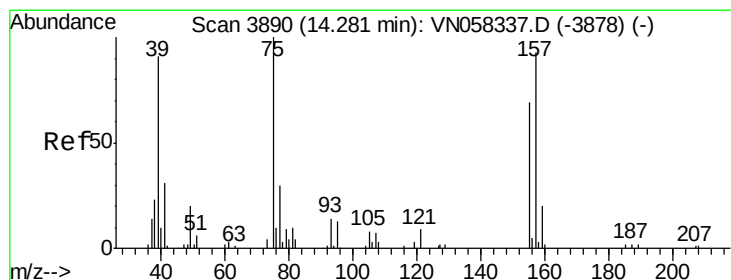
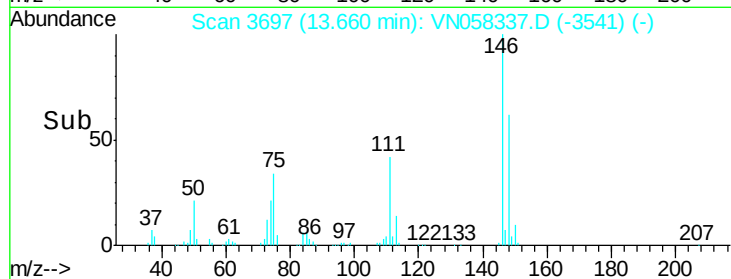
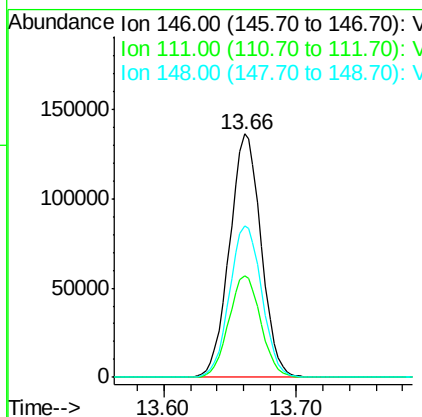
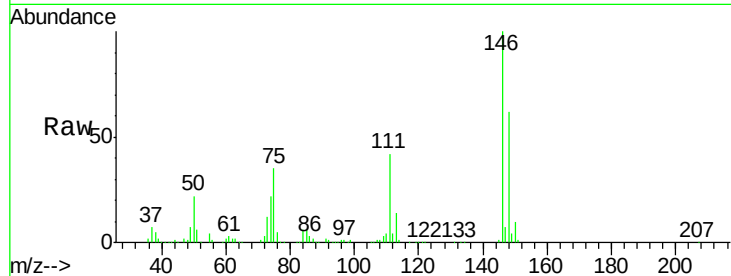
#87  
 1,2-Dichlorobenzene  
 Concen: 18.838 ug/l  
 RT: 13.66 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.2  | 21.1  | 63.3  |
| 148     | 63.8  | 31.9  | 95.7  |

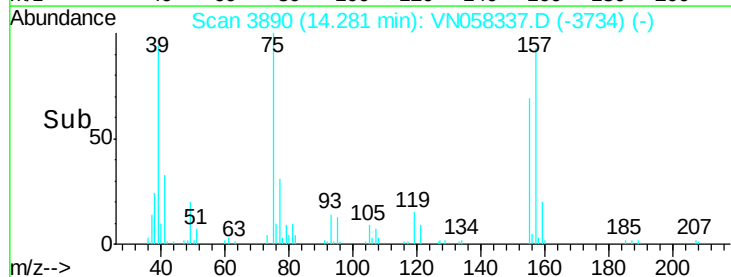
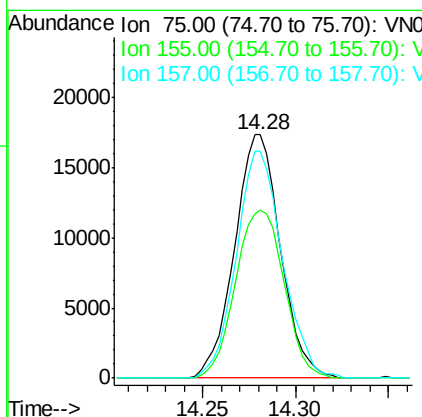
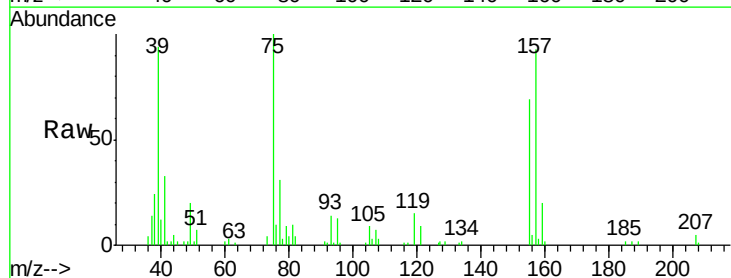
Manual Integrations  
 APPROVED

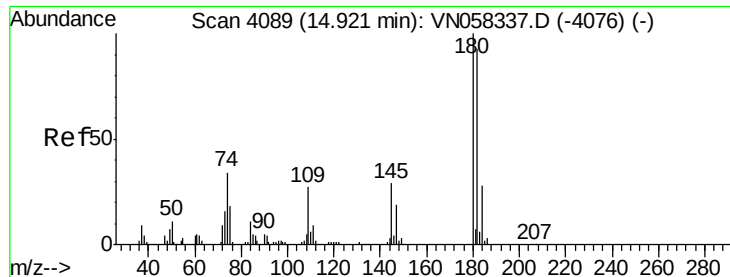
MMDadoda  
 9/25/2019 8:22:51 AM



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.236 ug/l  
 RT: 14.28 min Scan# 3890  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 73.1  | 58.5  | 87.7  |
| 157     | 94.3  | 75.4  | 113.2 |





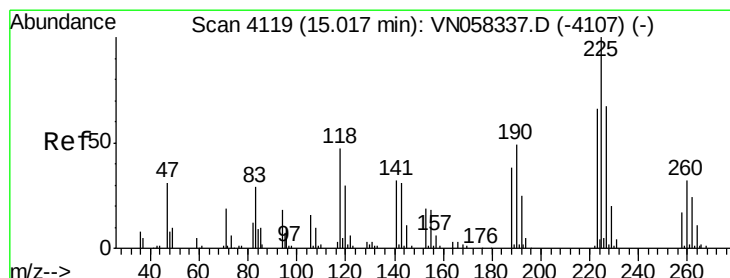
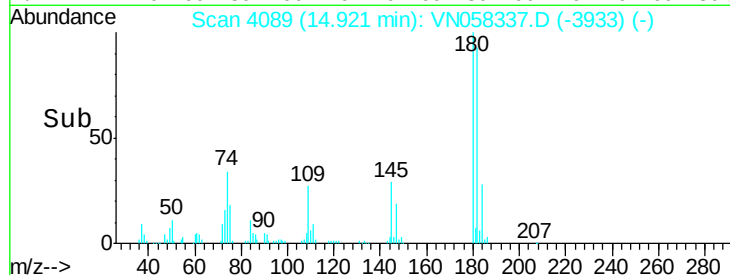
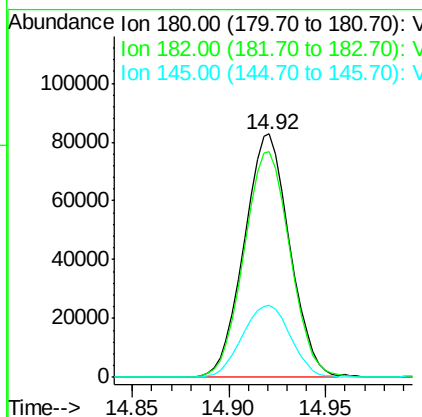
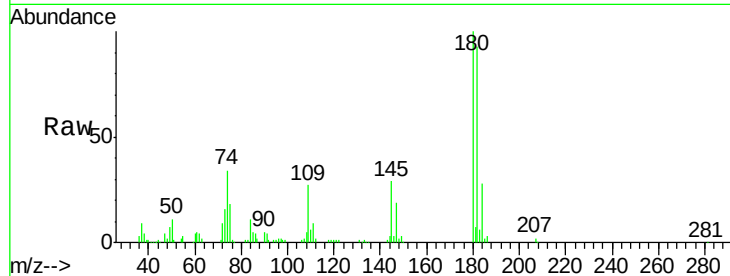
#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.508 ug/l  
 RT: 14.92 min Scan# 4089  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDICCC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.0  | 75.2  | 112.8 |
| 145     | 31.4  | 25.1  | 37.7  |

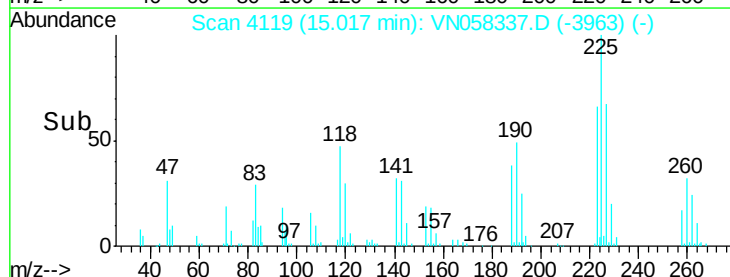
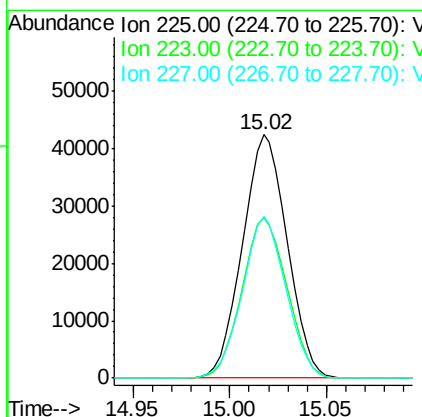
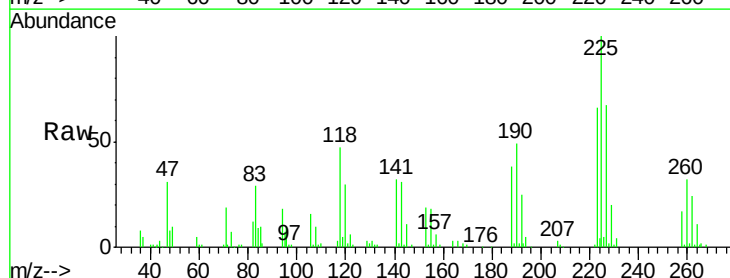
Manual Integrations  
 APPROVED

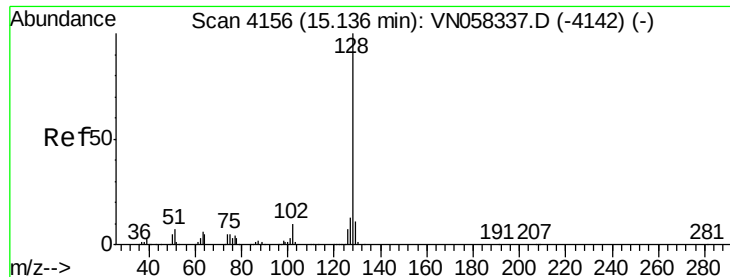
MMDadoda  
 9/25/2019 8:22:51 AM



#90  
 Hexachlorobutadiene  
 Concen: 20.117 ug/l  
 RT: 15.02 min Scan# 4119  
 Delta R.T. 0.00 min  
 Lab File: VN058337.D  
 Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 66.3  | 0.0   | 132.6 |
| 227     | 64.6  | 0.0   | 129.2 |





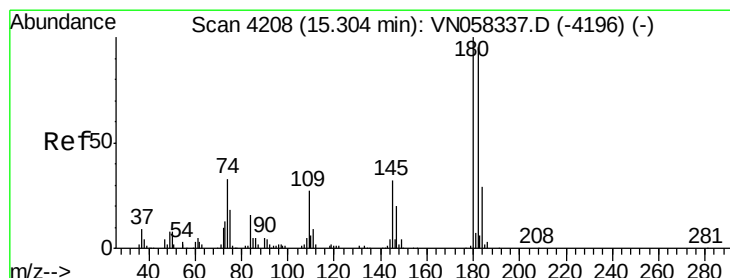
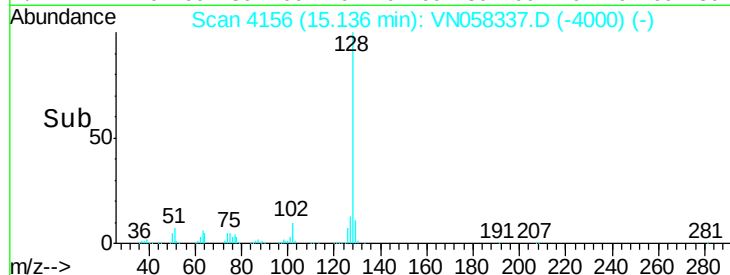
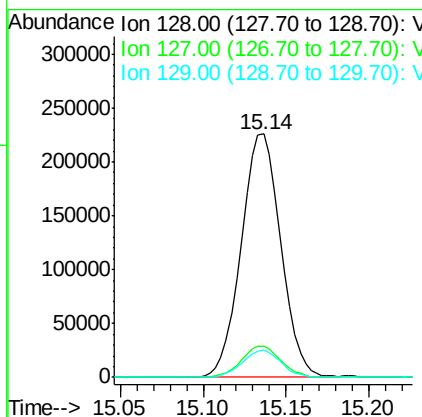
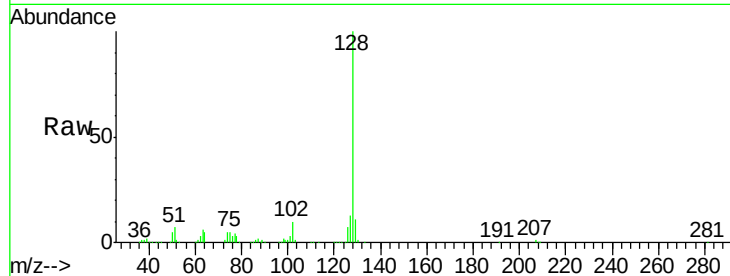
#91  
Naphthalene  
Concen: 18.753 ug/l  
RT: 15.14 min Scan# 4156  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.2  | 15.4  |
| 129     | 10.8  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

MMDadoda  
9/25/2019 8:22:51 AM



#92  
1,2,3-Trichlorobenzene  
Concen: 18.679 ug/l  
RT: 15.30 min Scan# 4208  
Delta R.T. 0.00 min  
Lab File: VN058337.D  
Acq: 24 Sep 2019 10:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.7  | 0.0   | 189.4 |
| 145     | 32.0  | 0.0   | 64.0  |

