

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\  
 Data File : VN058237.D  
 Acq On : 20 Sep 2019 10:14  
 Operator : JC/SP  
 Sample : VN0920WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0920WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/23/2019 3:29:38 PM

Quant Time: Sep 21 07:16:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Sep 09 12:14:07 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.18  | 128  | 74996    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.57  | 114  | 434628   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 389566   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.01   | 65    | 201564   | 30.38    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 101.27% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 197683   | 29.65    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 98.83%  |
| 63) Toluene-d8            | 10.09  | 98    | 559570   | 29.93    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 99.77%  |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 89531  | 19.759  | ug/l 98    |
| 3) Chloromethane              | 2.04 | 50  | 95990  | 16.989  | ug/l 96    |
| 4) Vinyl Chloride             | 2.17 | 62  | 97461  | 16.860  | ug/l 100   |
| 5) Bromomethane               | 2.55 | 94  | 48037  | 13.315  | ug/l 97    |
| 6) Chloroethane               | 2.69 | 64  | 60947  | 16.965  | ug/l 93    |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 122191 | 18.296  | ug/l 98    |
| 8) Diethyl Ether              | 3.39 | 74  | 54413  | 20.196  | ug/l 98    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 85810  | 20.577  | ug/l 98    |
| 10) 1,1-Dichloroethene        | 3.72 | 96  | 76379  | 19.261  | ug/l 97    |
| 11) Methyl Iodide             | 3.93 | 142 | 76961  | 14.506  | ug/l 100   |
| 12) Methyl Acetate            | 4.30 | 43  | 107520 | 19.757  | ug/l 95    |
| 13) Acrolein                  | 3.59 | 56  | 26030  | 88.156  | ug/l 96    |
| 14) Acrylonitrile             | 4.96 | 53  | 217743 | 98.148  | ug/l # 90  |
| 15) Acetone                   | 3.79 | 58  | 63888  | 101.436 | ug/l 97    |
| 16) Carbon Disulfide          | 4.03 | 76  | 163355 | 17.690  | ug/l 98    |
| 17) Allyl chloride            | 4.30 | 41  | 141851 | 19.521  | ug/l 95    |
| 18) Methylene Chloride        | 4.53 | 84  | 97322  | 19.475  | ug/l 93    |
| 19) trans-1,2-Dichloroethene  | 5.02 | 96  | 85640  | 19.377  | ug/l 98    |
| 20) Diisopropyl ether         | 5.93 | 45  | 327663 | 19.288  | ug/l 99    |
| 21) 1,1-Dichloroethane        | 5.82 | 63  | 183319 | 19.571  | ug/l 99    |
| 22) cis-1,2-Dichloroethene    | 6.81 | 96  | 107076 | 19.773  | ug/l 99    |
| 23) tert-Butyl Alcohol        | 4.75 | 59  | 68155  | 94.104  | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 5.01 | 73  | 297696 | 19.586  | ug/l # 100 |
| 25) Chloroform                | 7.36 | 83  | 189325 | 19.853  | ug/l 99    |
| 26) Cyclohexane               | 7.64 | 56  | 151576 | 19.259  | ug/l 99    |
| 29) 1,1-Dichloropropene       | 7.78 | 75  | 133529 | 19.530  | ug/l 99    |
| 30) 2-Butanone                | 6.81 | 43  | 318368 | 103.269 | ug/l 99    |
| 31) 2,2-Dichloropropane       | 6.81 | 77  | 144400 | 20.004  | ug/l 99    |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 154823 | 20.140  | ug/l 99    |
| 33) Carbon Tetrachloride      | 7.76 | 117 | 124343 | 19.828  | ug/l 99    |
| 34) Benzene                   | 8.03 | 78  | 401214 | 19.804  | ug/l 97    |
| 35) Methacrylonitrile         | 7.15 | 41  | 45413m | 15.882  | ug/l       |
| 36) 1,2-Dichloroethane        | 8.11 | 62  | 157451 | 20.028  | ug/l 99    |
| 37) Trichloroethene           | 8.82 | 130 | 99142  | 20.148  | ug/l 100   |
| 38) Methylcyclohexane         | 9.07 | 83  | 153013 | 19.654  | ug/l 99    |
| 39) 1,2-Dichloropropane       | 9.11 | 63  | 116309 | 20.443  | ug/l 96    |
| 40) Dibromomethane            | 9.20 | 93  | 69872  | 20.192  | ug/l 98    |

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 Sample : VN0920WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

Manual Integrations  
 APPROVED

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 9/23/2019 3:29:38 PM

Quant Time: Sep 21 07:16:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Sep 09 12:14:07 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 41) Bromodichloromethane       | 9.39  | 83   | 136268   | 19.533  | ug/l   | 94       |
| 42) Vinyl Acetate              | 5.87  | 43   | 1307078  | 105.490 | ug/l   | 99       |
| 43) Ethyl Acetate              | 6.91  | 43   | 132605m  | 21.082  | ug/l   |          |
| 44) Isopropyl Acetate          | 8.15  | 43   | 213042   | 19.426  | ug/l # | 92       |
| 45) 1,4-Dioxane                | 9.19  | 88   | 31956    | 370.824 | ug/l   | 94       |
| 46) Methyl methacrylate        | 9.19  | 41   | 103002   | 19.227  | ug/l   | 98       |
| 47) n-amyl Acetate             | 12.07 | 43   | 180266   | 17.894  | ug/l   | 96       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 137999   | 18.580  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene    | 9.83  | 75   | 158783   | 19.054  | ug/l   | 97       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 102164   | 20.354  | ug/l   | 99       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 147909   | 19.004  | ug/l   | 97       |
| 52) 1,3-Dichloropropane        | 10.70 | 76   | 176554   | 20.113  | ug/l   | 98       |
| 53) Dibromochloromethane       | 10.90 | 129  | 91668    | 18.492  | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 11.00 | 107  | 96021    | 19.227  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether  | 9.69  | 63   | 332729   | 89.970  | ug/l   | 98       |
| 56) Bromoform                  | 12.13 | 173  | 56532    | 18.409  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone       | 9.98  | 43   | 646129   | 106.952 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 468685   | 103.382 | ug/l   | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 79077    | 19.965  | ug/l   | 99       |
| 62) Toluene                    | 10.15 | 91   | 442627   | 20.520  | ug/l   | 99       |
| 64) Chlorobenzene              | 11.43 | 112  | 264547   | 19.770  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 95345    | 20.522  | ug/l   | 96       |
| 66) Ethyl Benzene              | 11.51 | 91   | 489724   | 20.802  | ug/l   | 100      |
| 67) m/p-Xylenes                | 11.62 | 106  | 361532   | 40.235  | ug/l   | 100      |
| 68) o-Xylene                   | 11.95 | 106  | 173317   | 19.689  | ug/l   | 99       |
| 69) Styrene                    | 11.97 | 104  | 292167   | 19.467  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 481879   | 20.706  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 147168   | 20.234  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane     | 12.56 | 75   | 131487m  | 20.368  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 110203   | 19.780  | ug/l   | 99       |
| 74) n-propylbenzene            | 12.59 | 91   | 559841   | 21.056  | ug/l   | 100      |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 330460   | 19.954  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 408125   | 20.595  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 33794    | 17.646  | ug/l   | 99       |
| 78) 4-Chlorotoluene            | 12.78 | 91   | 336971   | 19.948  | ug/l   | 99       |
| 79) tert-butylbenzene          | 13.00 | 119  | 349647   | 20.225  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 400372   | 20.277  | ug/l   | 99       |
| 81) sec-Butylbenzene           | 13.17 | 105  | 471377   | 20.550  | ug/l   | 99       |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 418488   | 20.372  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 13.29 | 146  | 202074   | 19.513  | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene        | 13.37 | 146  | 197170   | 19.338  | ug/l   | 98       |
| 85) n-Butylbenzene             | 13.62 | 91   | 376361   | 19.659  | ug/l   | 98       |
| 86) Hexachloroethane           | 13.88 | 117  | 58941    | 18.014  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene        | 13.66 | 146  | 201506   | 20.045  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 24534    | 19.158  | ug/l   | 99       |
| 89) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 116442   | 18.962  | ug/l   | 98       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 61183    | 21.694  | ug/l   | 97       |
| 91) Naphthalene                | 15.13 | 128  | 305124   | 18.058  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 108606   | 18.545  | ug/l   | 97       |

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Operator : JC/SP  
Sample : VN0920WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

Manual Integrations  
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9/23/2019 3:29:38 PM

Quant Time: Sep 21 07:16:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Sep 09 12:14:07 2019  
Response via : Initial Calibration

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

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

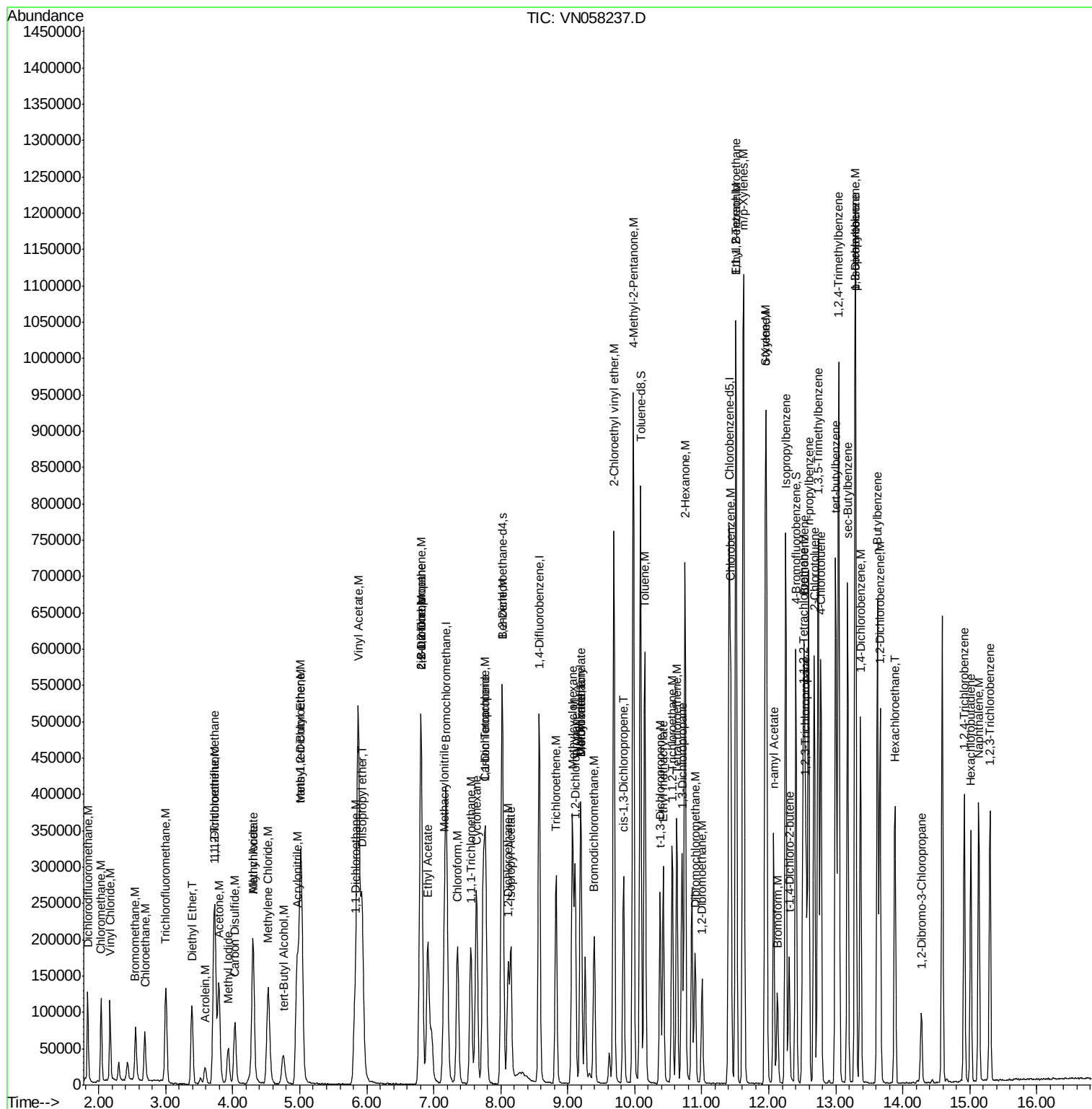
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Data File : VN058237.D  
Acq On : 20 Sep 2019 10:14  
Operator : JC/SP  
Sample : VN0920WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

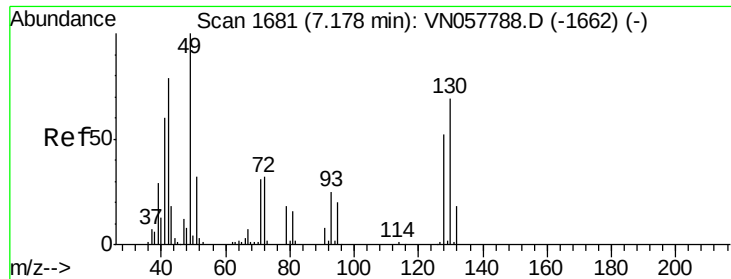
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

Manual Integrations  
APPROVED

MMDadoda  
9/23/2019 3:29:38 PM

Quant Time: Sep 21 07:16:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Sep 09 12:14:07 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: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0920WBS01

Tot Ion:128 Resp: 74996

Ion Ratio Lower Upper

128 100

49 184.7 0.0 486.5

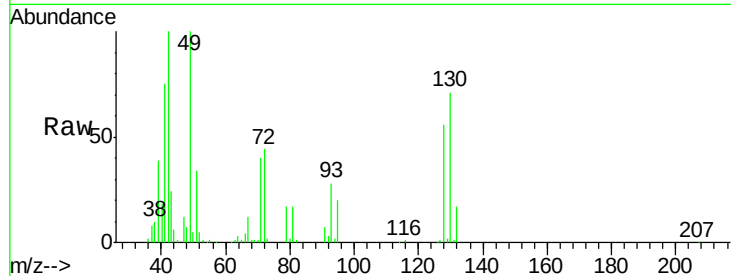
130 126.0 0.0 324.5

Manual Integrations

APPROVED

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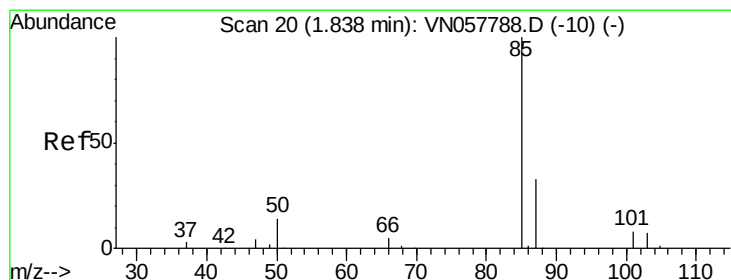
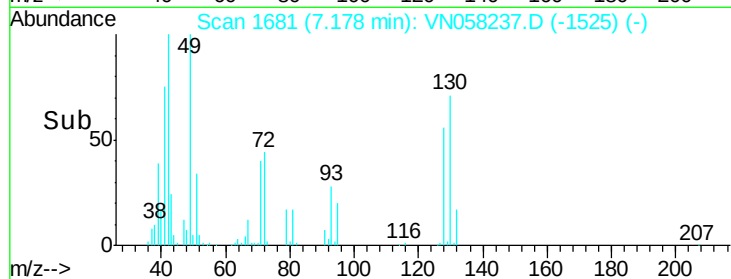
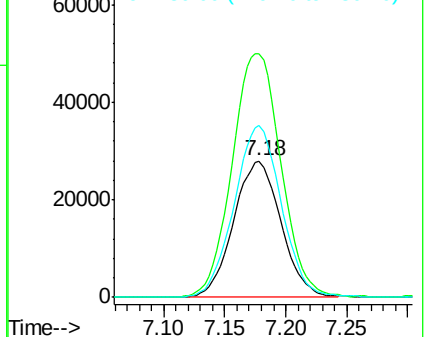
9/23/2019 3:29:38 PM



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: 19.759 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058237.D

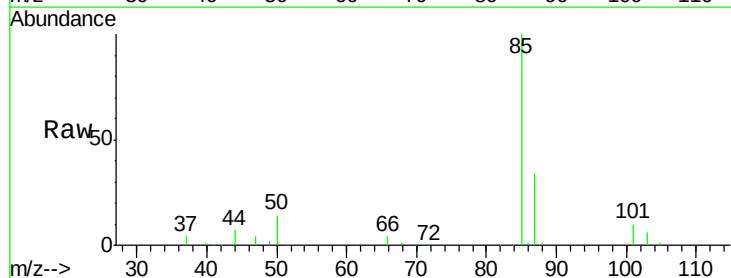
Acq: 20 Sep 2019 10:14

Tgt Ion: 85 Resp: 89531

Ion Ratio Lower Upper

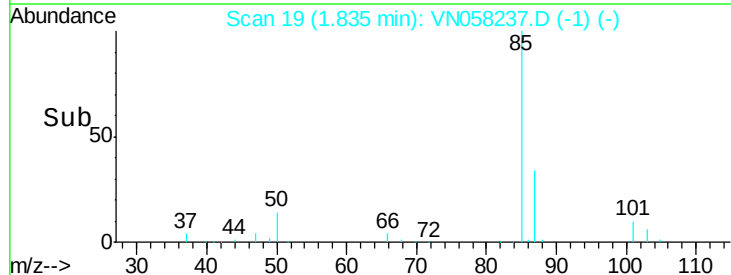
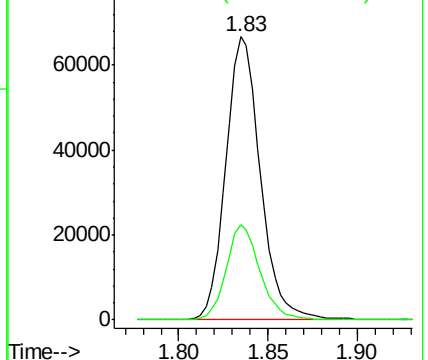
85 100

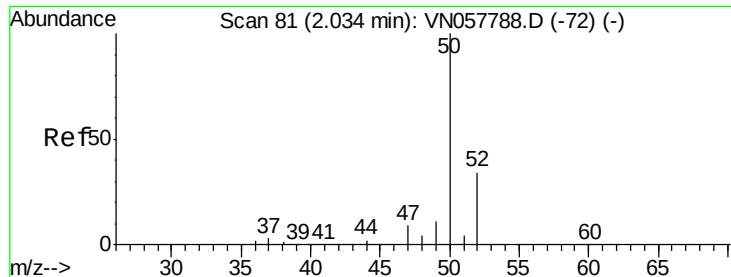
87 33.8 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 16.989 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0920WBS01

Tot Ion: 50 Resp: 95990

Ion Ratio Lower Upper

50 100

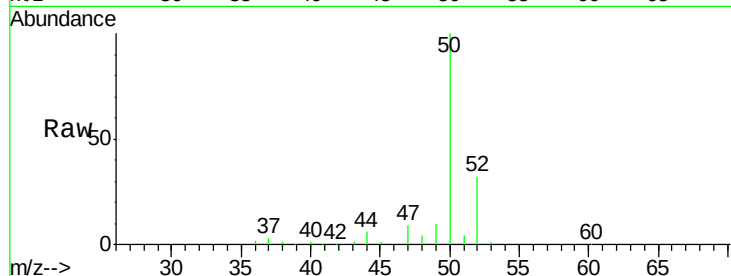
52 31.5 26.9 40.3

Manual Integrations

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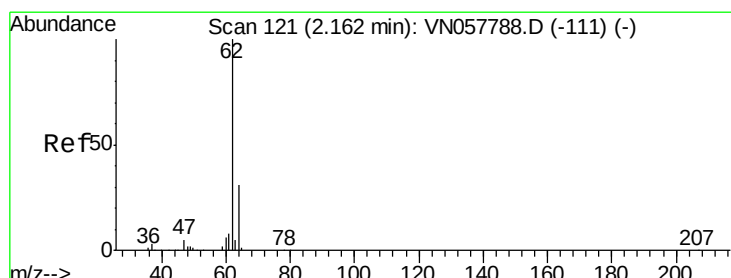
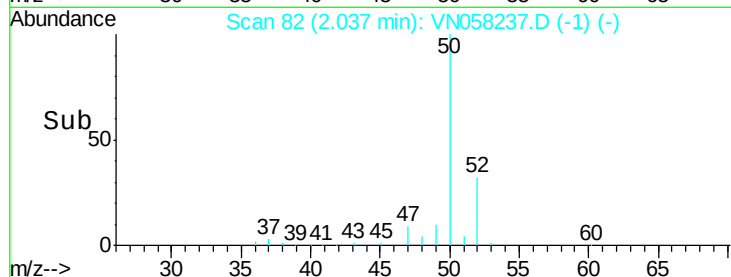
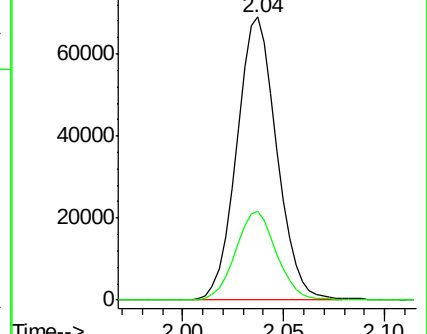
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 16.860 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058237.D

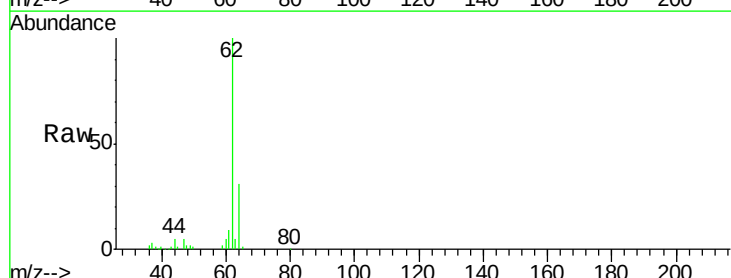
Acq: 20 Sep 2019 10:14

Tgt Ion: 62 Resp: 97461

Ion Ratio Lower Upper

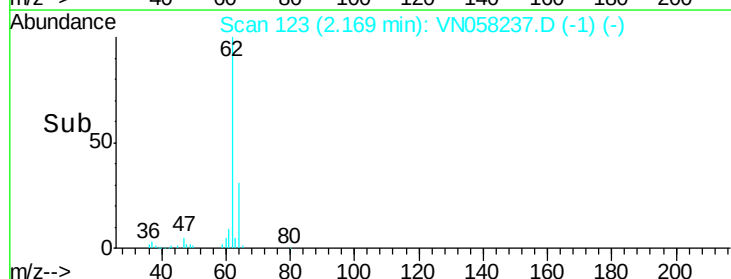
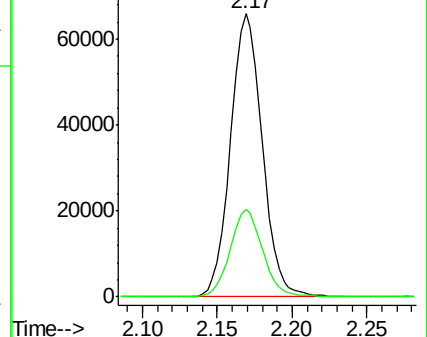
62 100

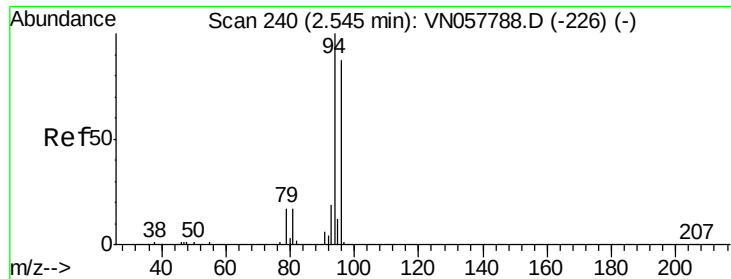
64 31.0 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 13.315 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0920WBS01

Tot Ion: 94 Resp: 48037

Ion Ratio Lower Upper

94 100

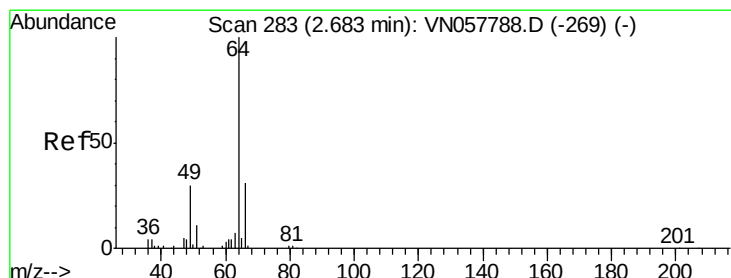
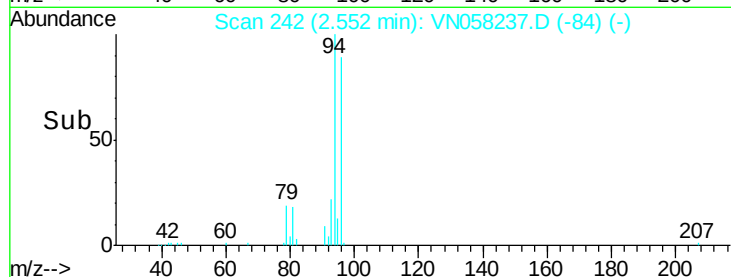
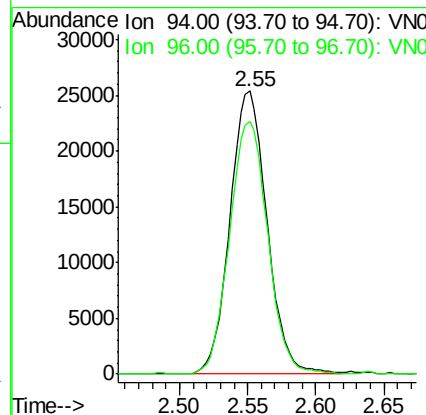
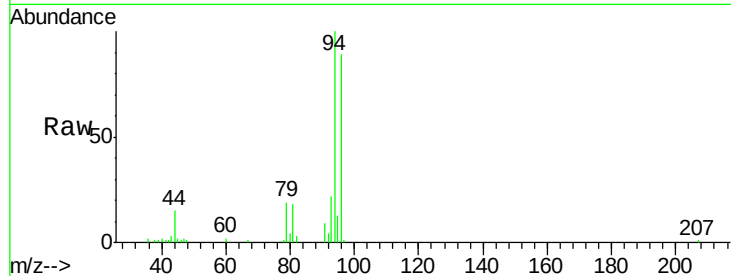
96 89.4 69.2 103.8

Manual Integrations

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#6

Chloroethane

Concen: 16.965 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058237.D

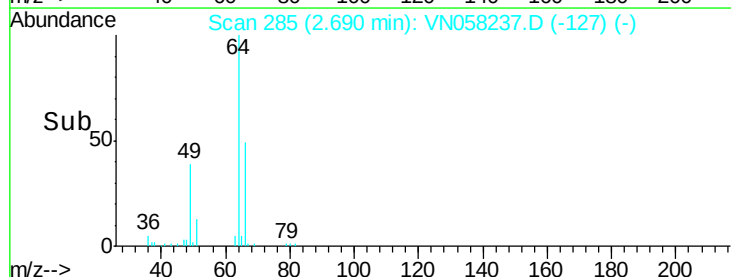
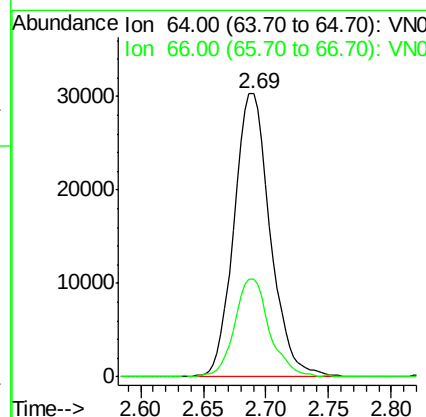
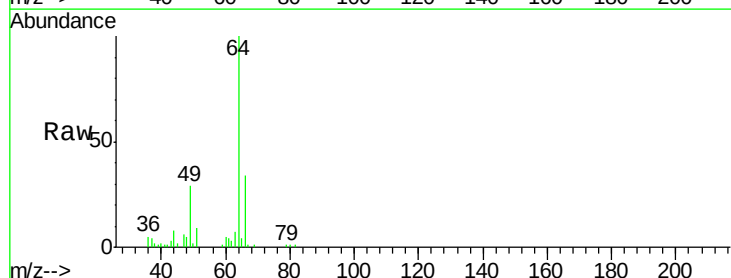
Acq: 20 Sep 2019 10:14

Tgt Ion: 64 Resp: 60947

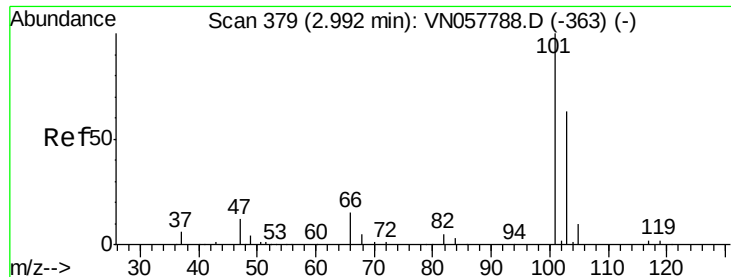
Ion Ratio Lower Upper

64 100

66 34.4 24.4 36.6







#7

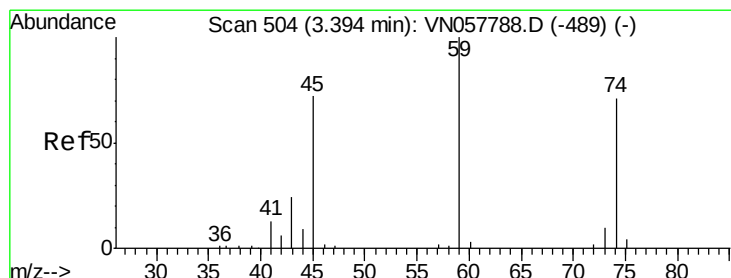
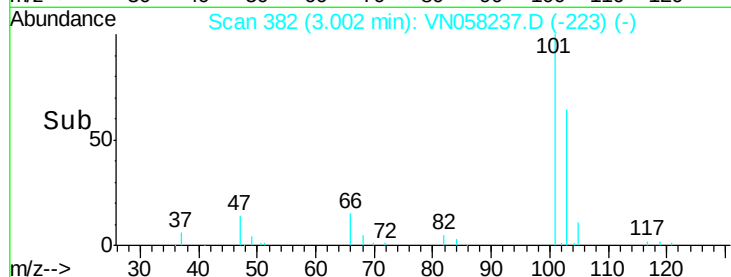
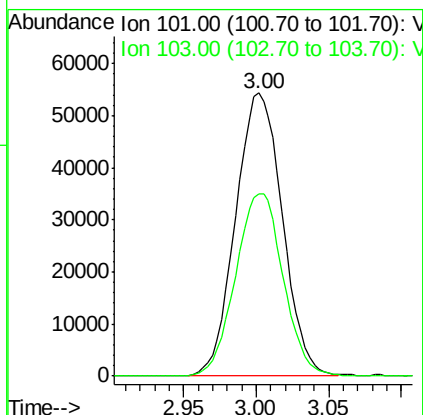
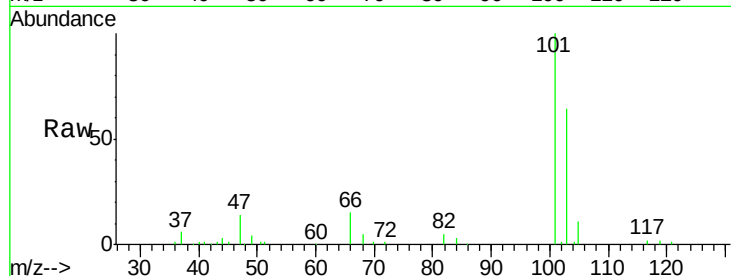
Trichlorofluoromethane  
 Concen: 18.296 ug/l  
 RT: 3.00 min Scan# 382  
 Delta R.T. 0.01 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 122191 |       |       |
| 103     | 64.1 | 50.2  | 75.2   |       |       |

Manual Integrations  
 APPROVED

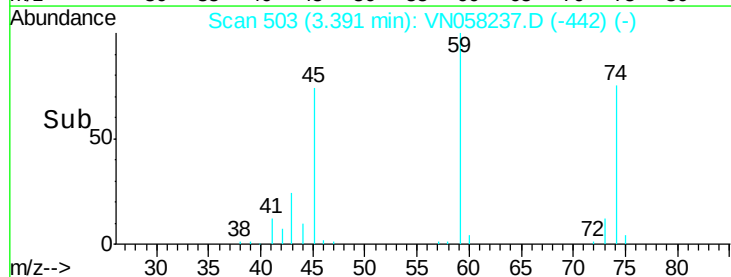
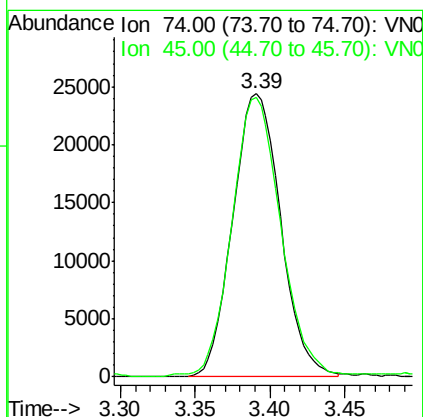
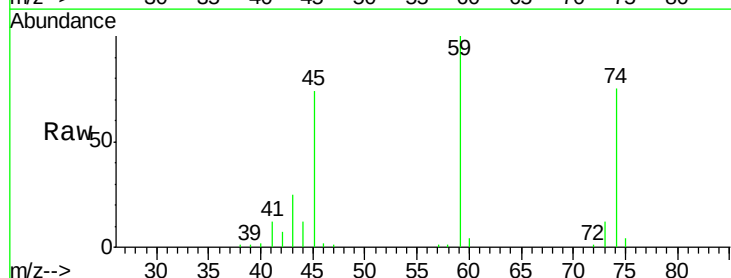
MMDadoda  
 9/23/2019 3:29:38 PM



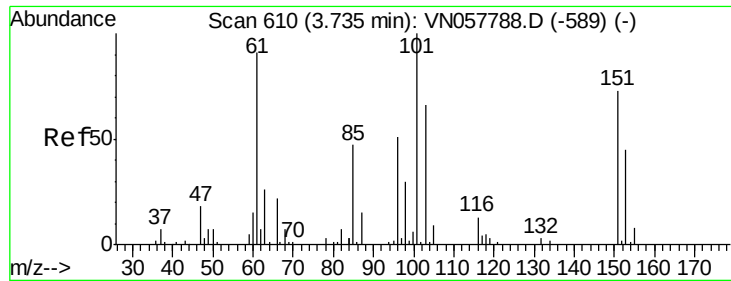
#8

Diethyl Ether  
 Concen: 20.196 ug/l  
 RT: 3.39 min Scan# 503  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 74      | 100  |       | 54413 |       |       |
| 45      | 99.4 | 20.3  | 182.5 |       |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.577 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

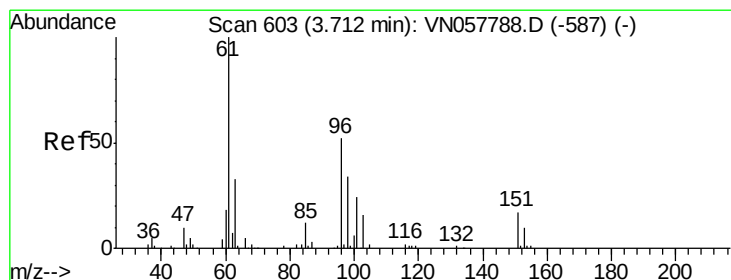
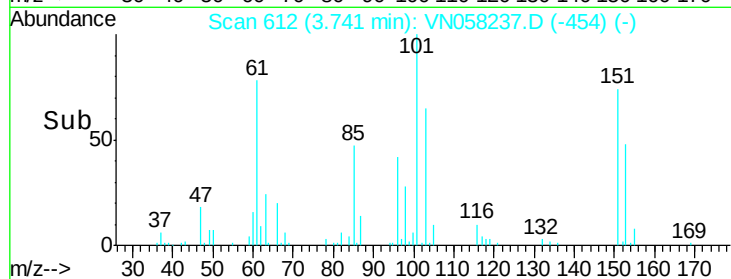
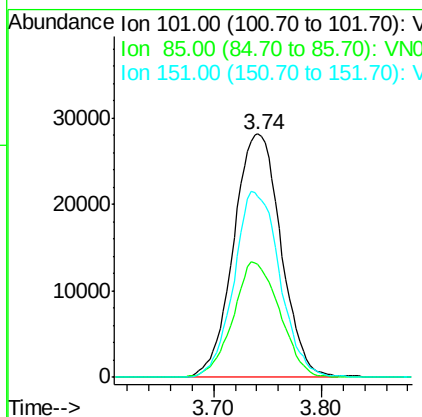
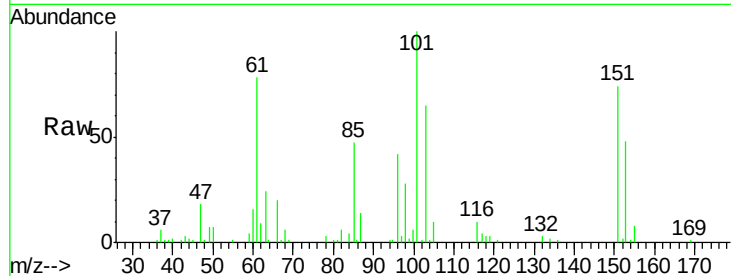
ClientSampleId :

VN0920WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 85810 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.9  | 0.0   | 94.0  |
| 151       | 73.9  | 0.0   | 144.4 |

Manual Integrations  
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#10

1,1-Dichloroethene

Concen: 19.261 ug/l

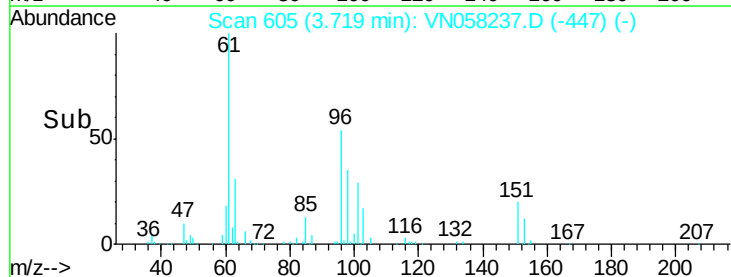
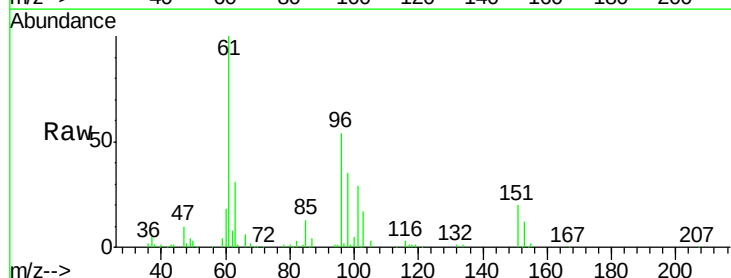
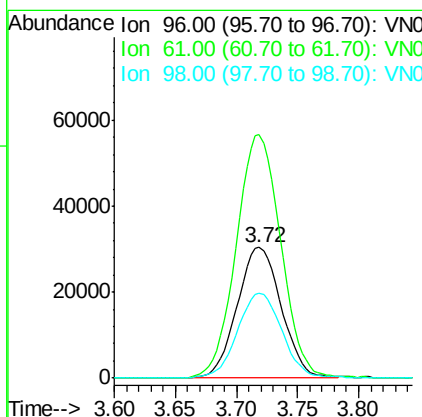
RT: 3.72 min Scan# 605

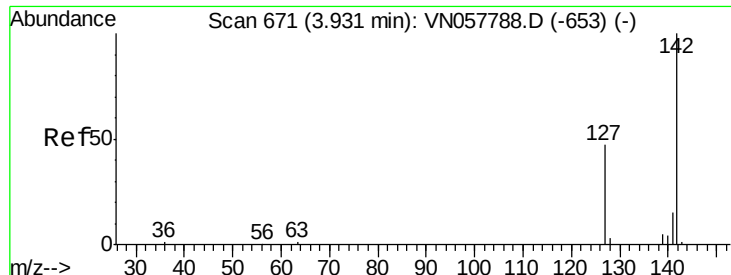
Delta R.T. 0.01 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 76379 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 186.2 | 153.4 | 230.0 |
| 98        | 65.4  | 51.5  | 77.3  |





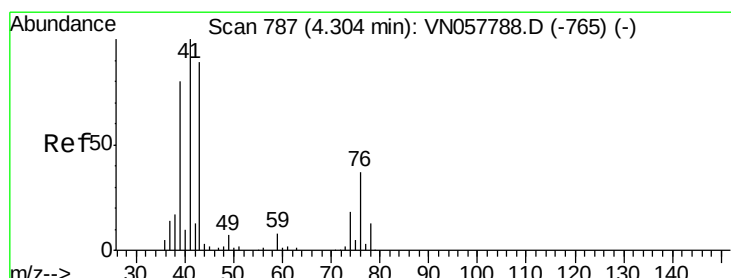
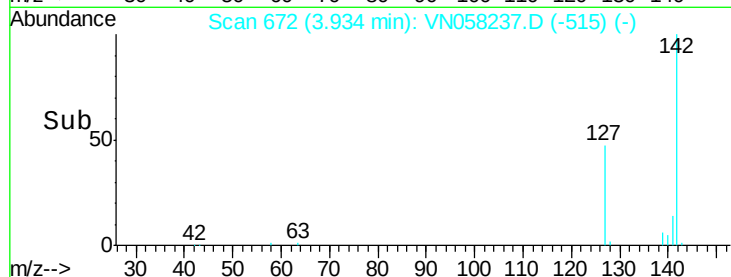
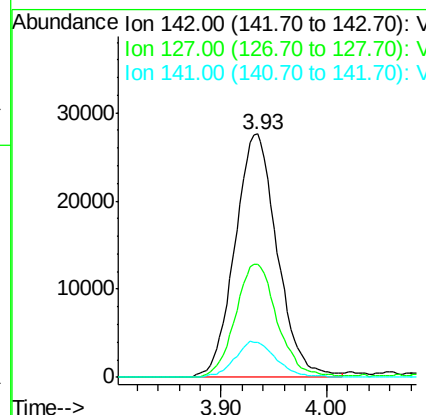
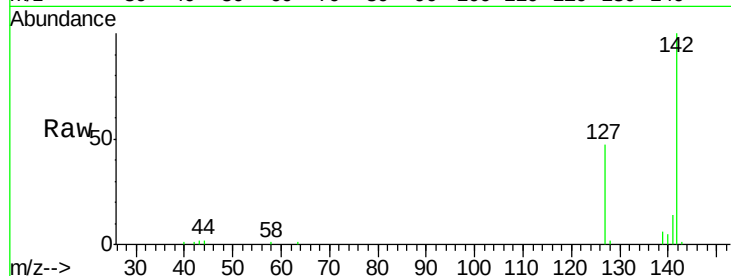
#11  
Methvl Iodide  
Concen: 14.506 ug/l  
RT: 3.93 min Scan# 672  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 46.6  | 23.3  | 69.8  |
| 141     | 14.6  | 7.5   | 22.6  |

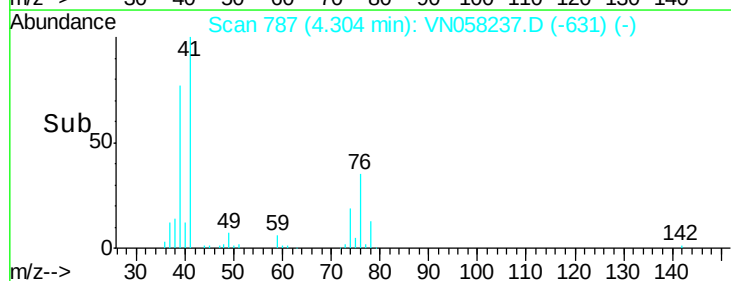
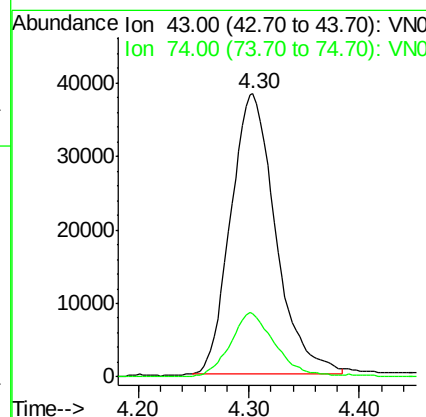
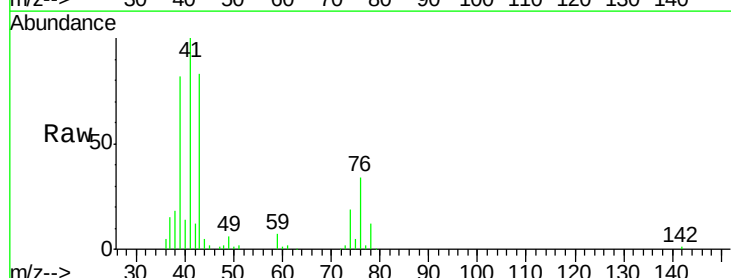
Manual Integrations  
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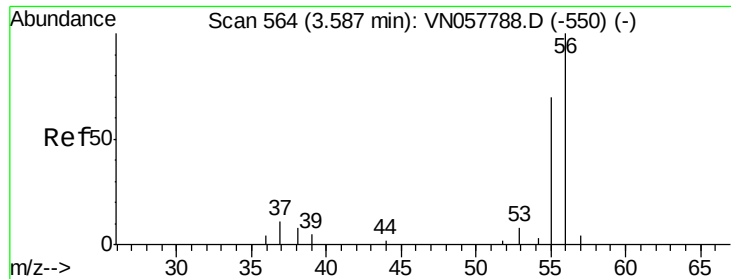
MMDadoda  
9/23/2019 3:29:38 PM



#12  
Methyl Acetate  
Concen: 19.757 ug/l  
RT: 4.30 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.7  | 16.2  | 24.4  |





#13

Acrolein

Concen: 88.156 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0920WBS01

Tot Ion: 56 Resp: 26030

Ion Ratio Lower Upper

56 100

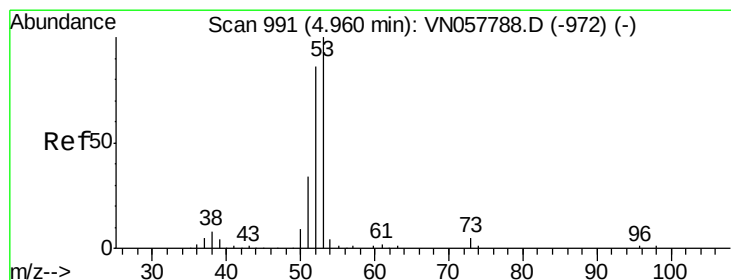
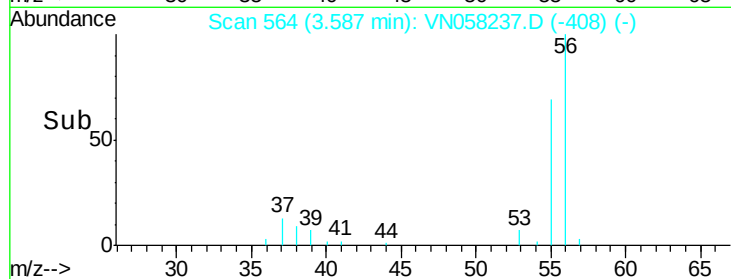
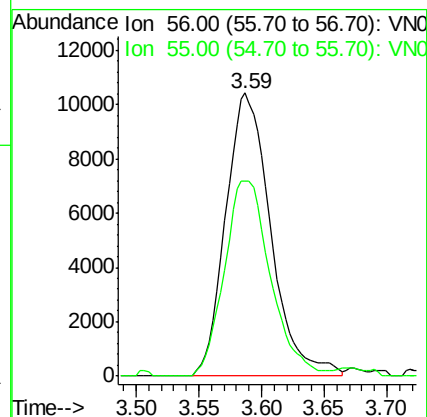
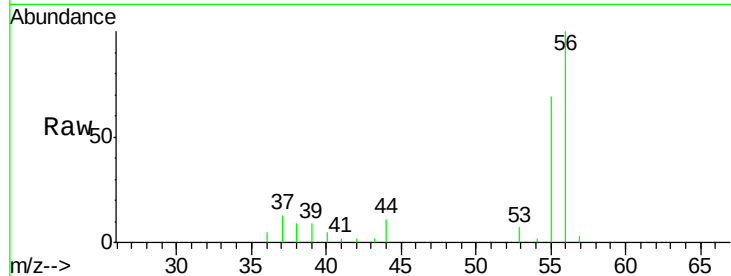
55 70.4 59.0 88.4

Manual Integrations

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#14

Acrylonitrile

Concen: 98.148 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

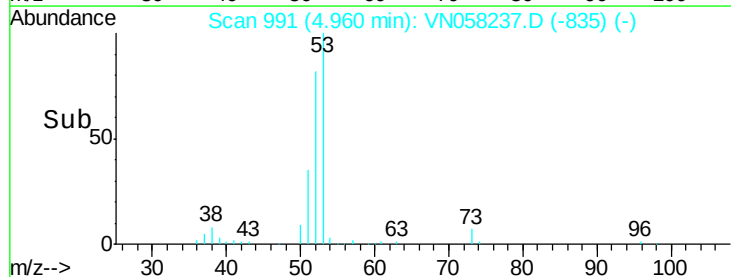
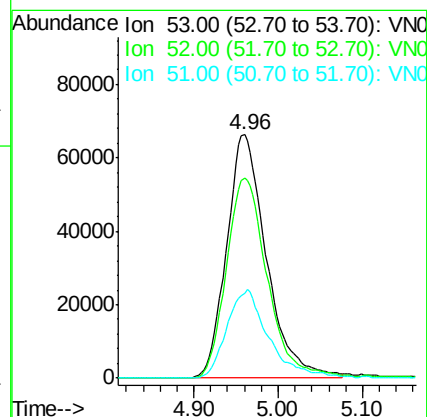
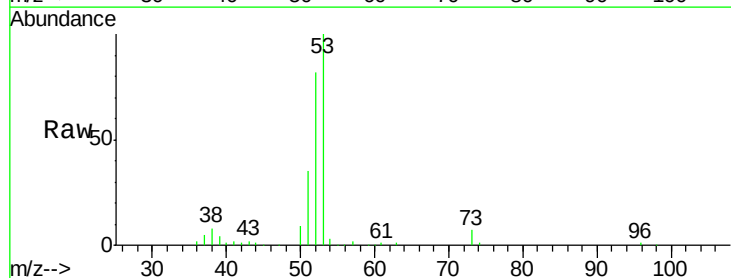
Tgt Ion: 53 Resp: 217743

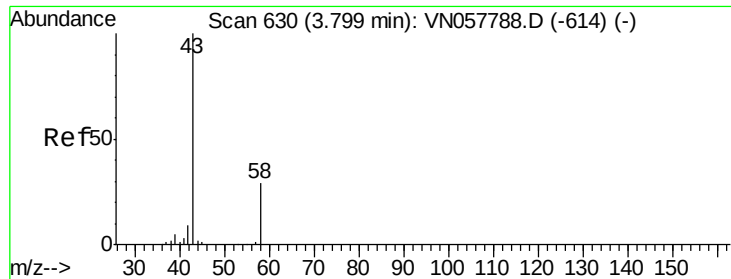
Ion Ratio Lower Upper

53 100

52 84.2 41.0 123.0

51 37.3 8.6 25.8#





#15

Acetone

Concen: 101.436 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0920WBS01

Tot Ion: 58 Resp: 63888

Ion Ratio Lower Upper

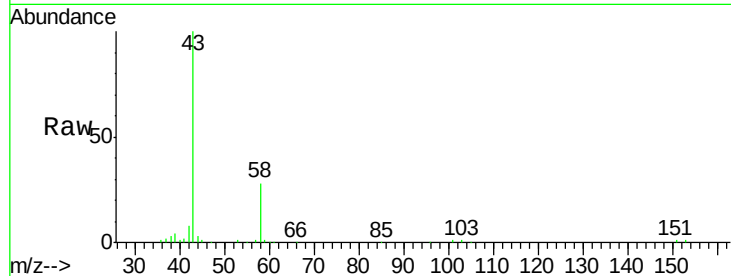
58 100

43 352.7 277.7 416.5

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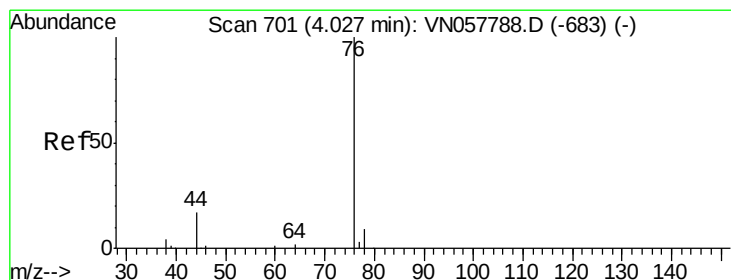
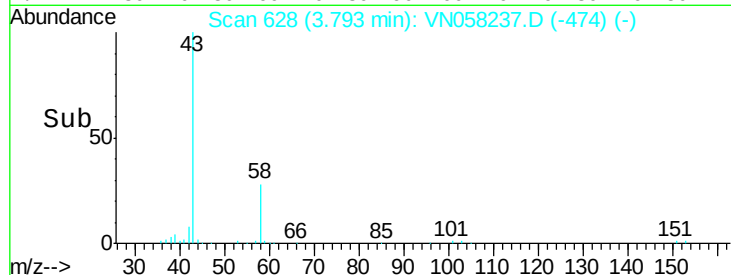
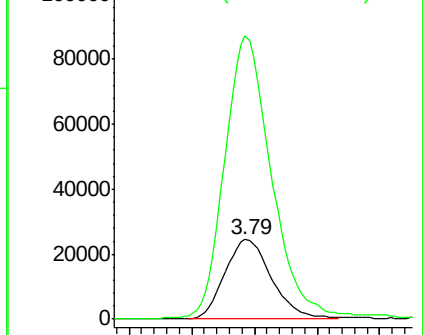
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Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-614) (-)



#16

Carbon Disulfide

Concen: 17.690 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058237.D

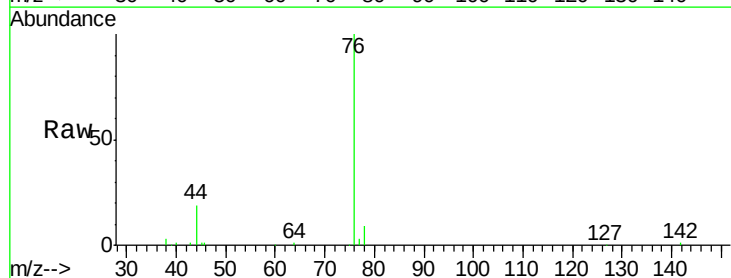
Acq: 20 Sep 2019 10:14

Tgt Ion: 76 Resp: 163355

Ion Ratio Lower Upper

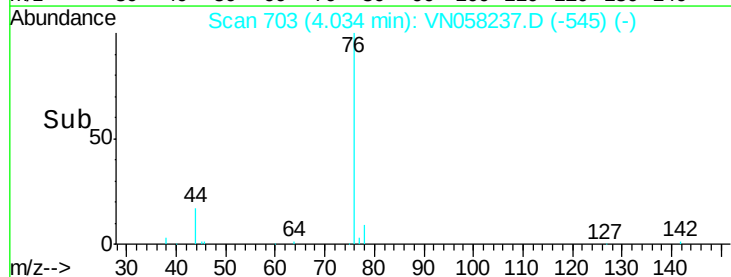
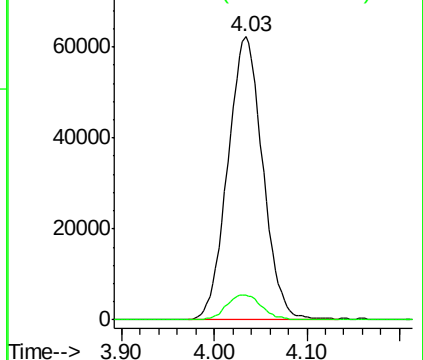
76 100

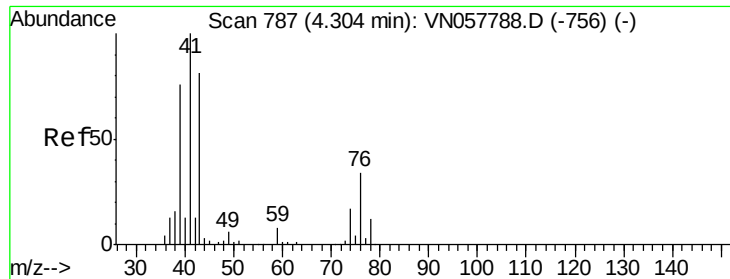
78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-683) (-)





#17

Allvl chloride

Concen: 19.521 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

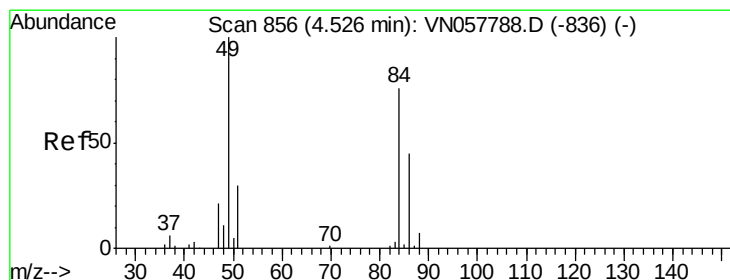
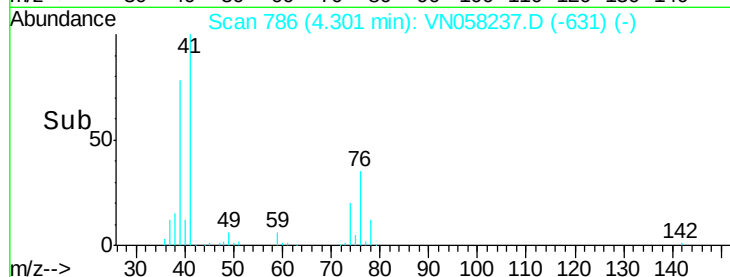
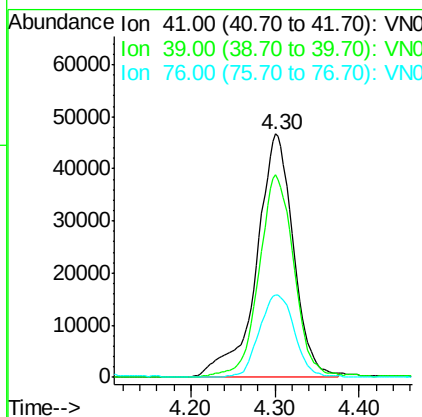
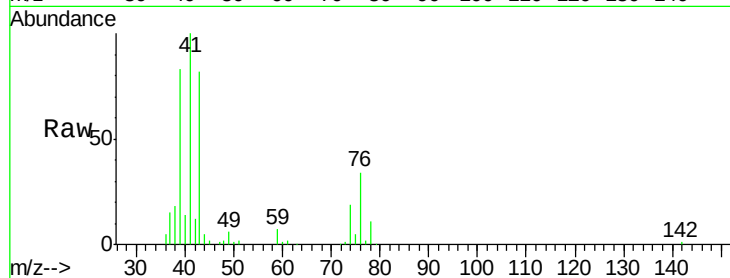
ClientSampleId :

VN0920WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 141851 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 82.7  | 38.5  | 115.3  |
| 76       | 34.0  | 17.2  | 51.6   |

Manual Integrations  
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#18

Methylene Chloride

Concen: 19.475 ug/l

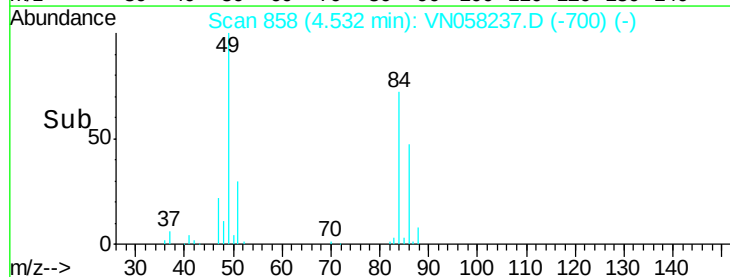
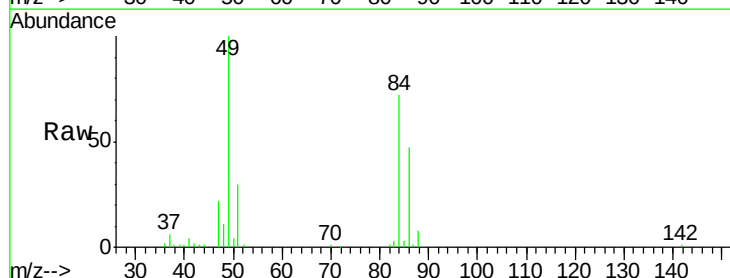
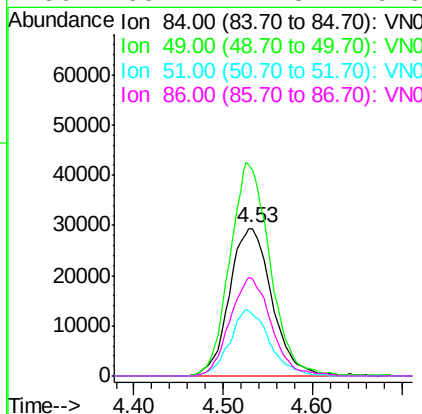
RT: 4.53 min Scan# 858

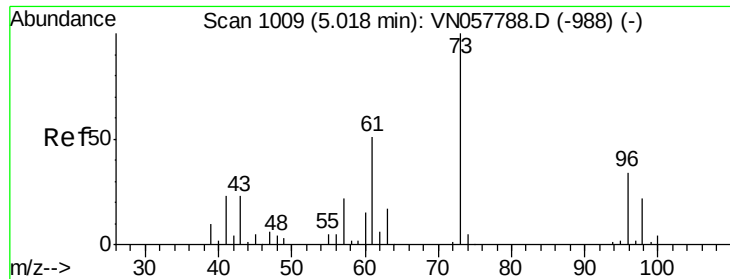
Delta R.T. 0.01 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 97322 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 139.5 | 105.4 | 158.2 |
| 51       | 41.9  | 31.3  | 46.9  |
| 86       | 65.7  | 47.3  | 70.9  |





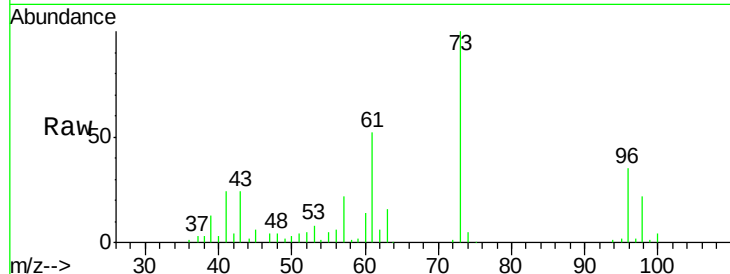
#19  
trans-1,2-Dichloroethene  
Concen: 19.377 ug/l  
RT: 5.02 min Scan# 1010  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 149.4 | 121.0 | 181.6 |
| 98      | 63.0  | 52.7  | 79.1  |

Manual Integrations  
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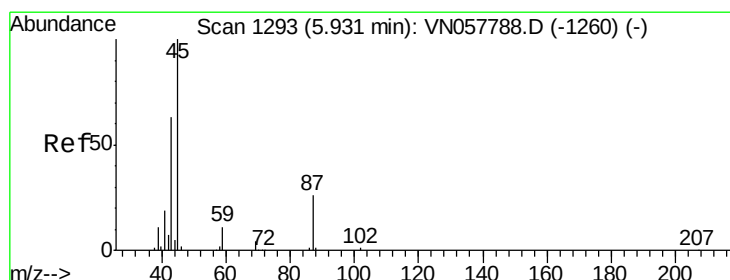
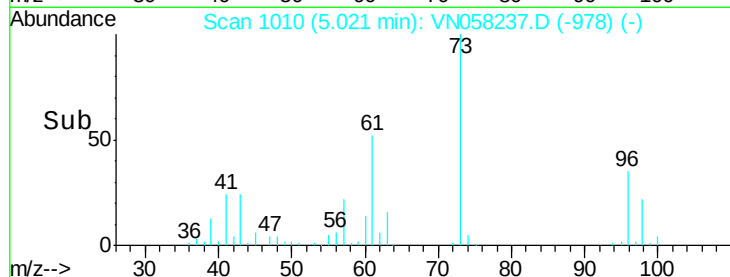
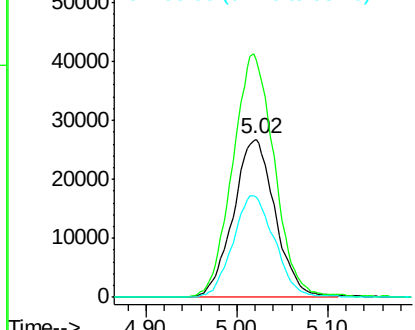


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20  
Diisopropyl ether  
Concen: 19.288 ug/l  
RT: 5.93 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 69.1  | 55.2  | 82.8  |
| 87      | 25.9  | 21.3  | 31.9  |
| 59      | 10.4  | 9.1   | 13.7  |

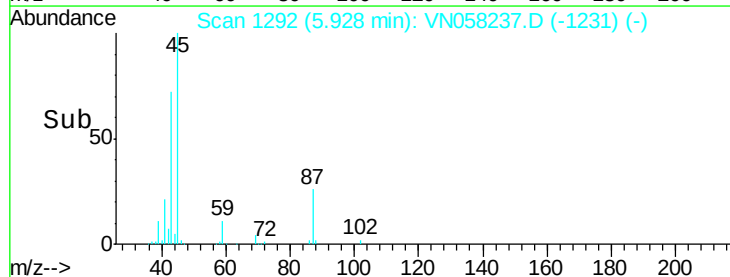
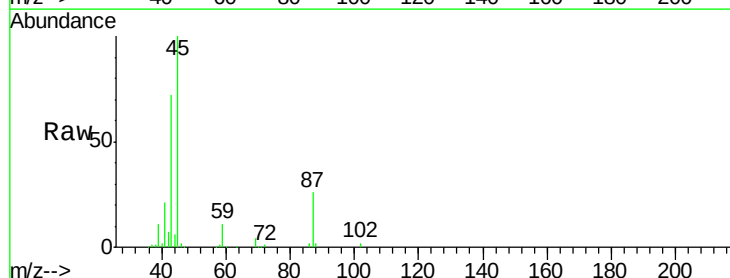
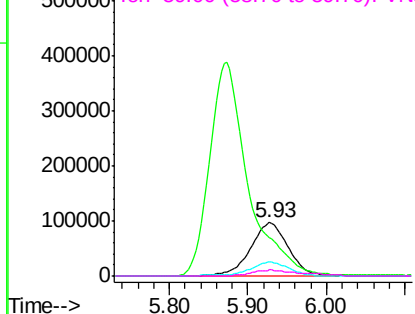
Abundance

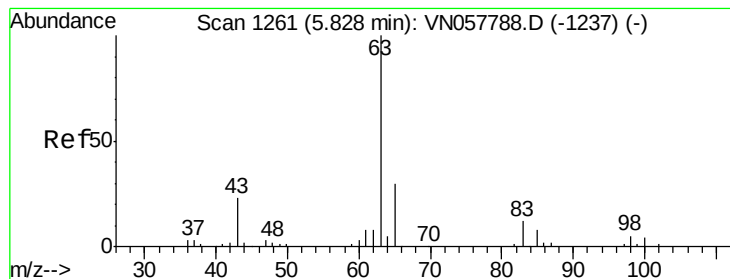
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.571 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

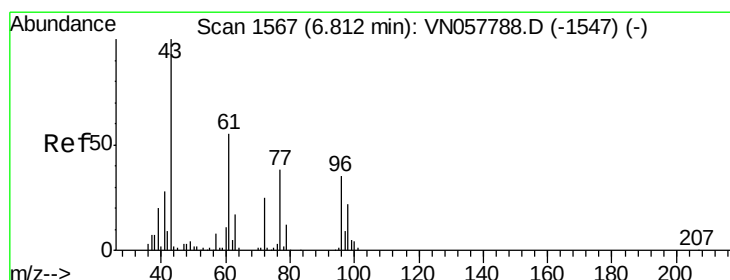
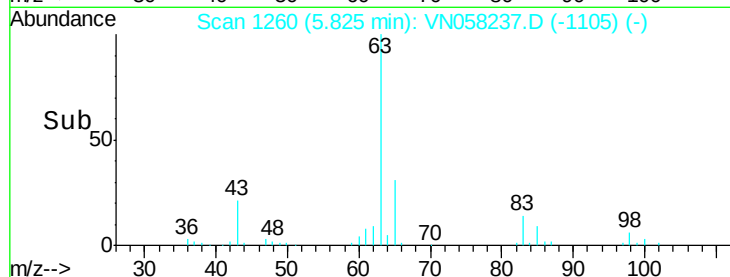
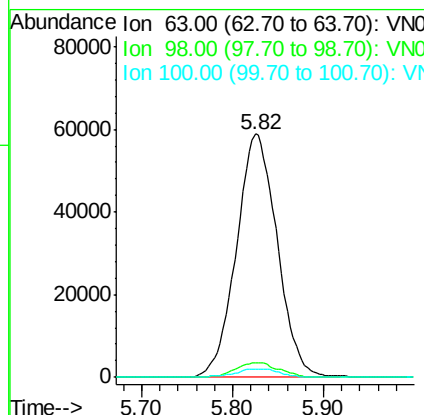
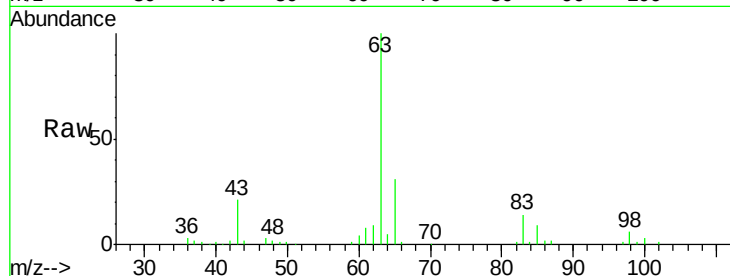
ClientSampleId :

VN0920WBS01

|           |     |       |        |
|-----------|-----|-------|--------|
| Tot Ion:  | 63  | Resp: | 183319 |
| Ion Ratio |     | Lower | Upper  |
| 63        | 100 |       |        |
| 98        | 6.0 | 2.8   | 8.3    |
| 100       | 3.5 | 1.8   | 5.5    |

Manual Integrations  
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#22

cis-1,2-Dichloroethene

Concen: 19.773 ug/l

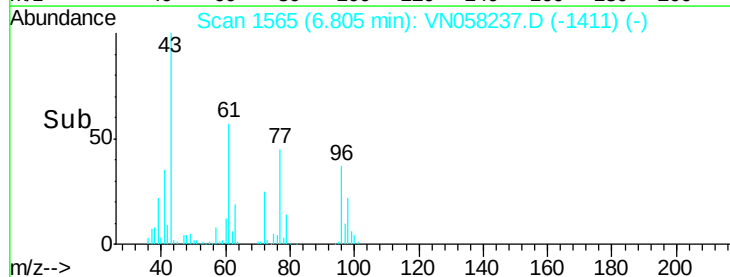
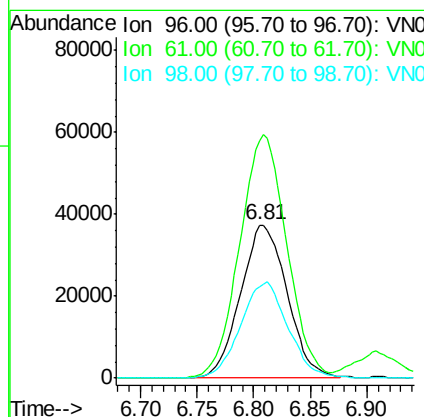
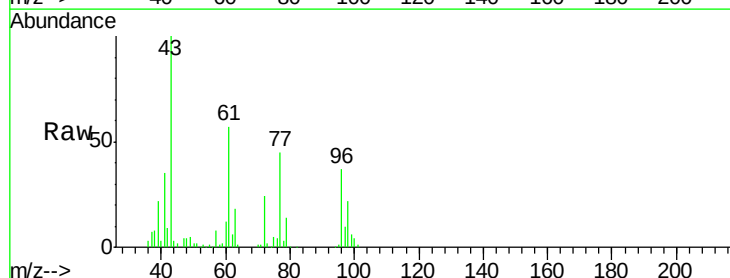
RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

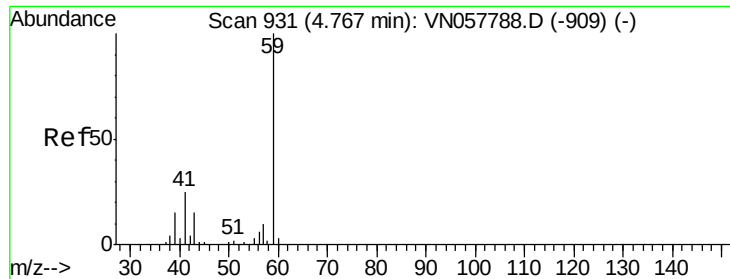
Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 107076 |
| Ion Ratio |       | Lower | Upper  |
| 96        | 100   |       |        |
| 61        | 160.5 | 127.4 | 191.0  |
| 98        | 63.9  | 51.5  | 77.3   |







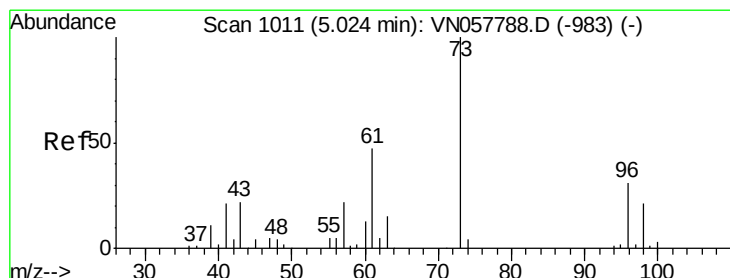
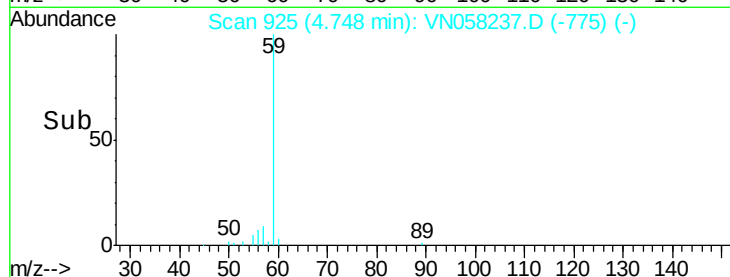
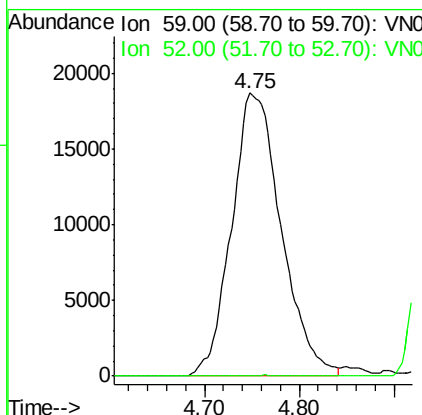
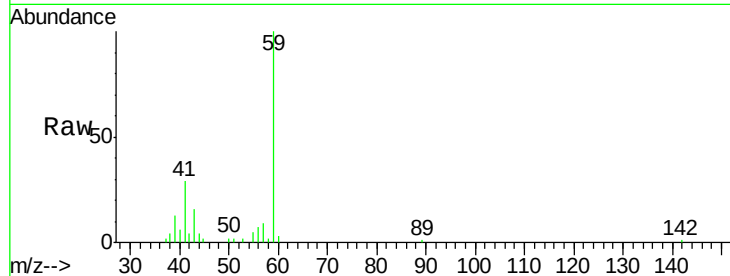
#23  
 tert-Butyl Alcohol  
 Concen: 94.104 ug/l  
 RT: 4.75 min Scan# 925  
 Delta R.T. -0.02 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 52      | 0.2   | 0.0   | 0.0#  |

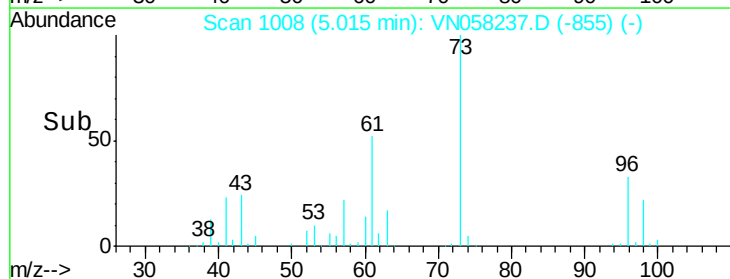
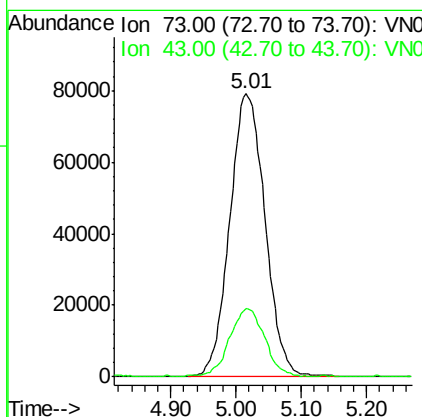
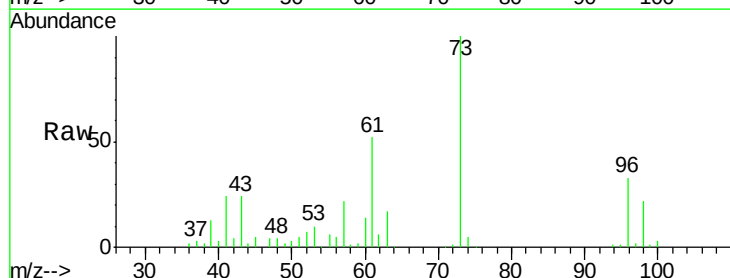
Manual Integrations  
 APPROVED

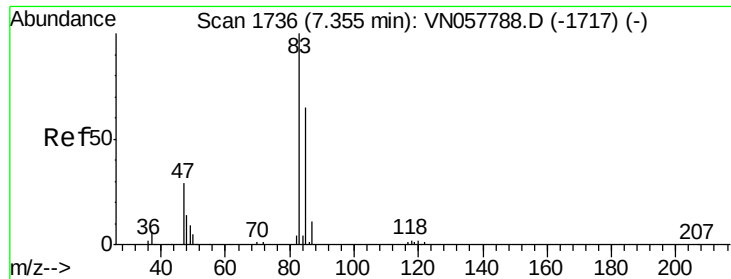
MMDadoda  
 9/23/2019 3:29:38 PM



#24  
 Methyl tert-Butyl Ether  
 Concen: 19.586 ug/l  
 RT: 5.01 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 23.1  | 0.0   | 0.0#  |





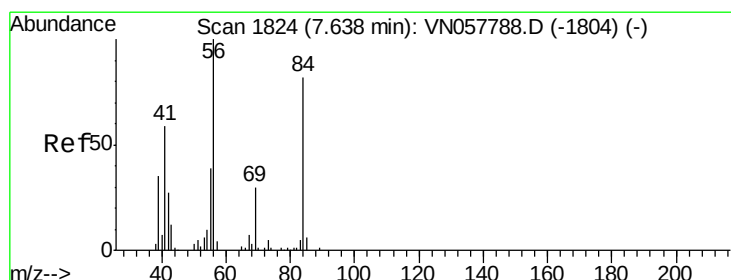
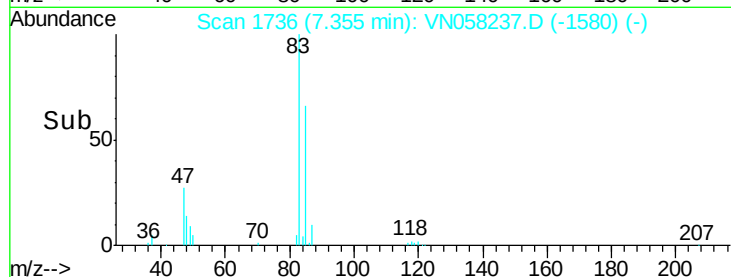
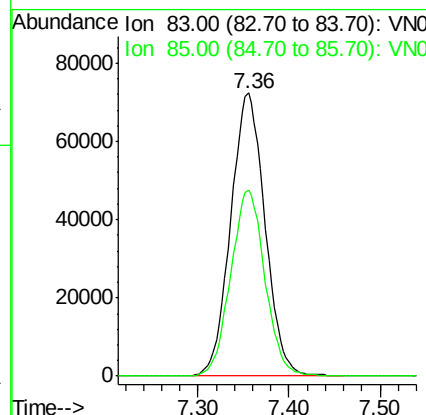
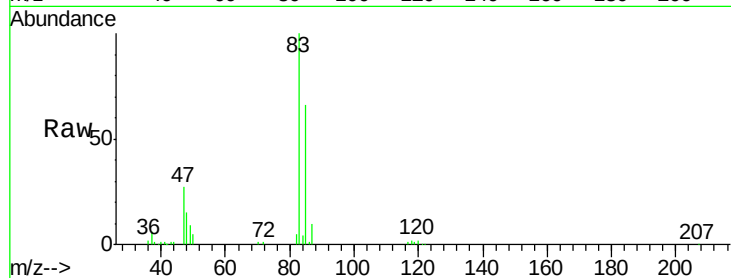
#25  
Chloroform  
Concen: 19.853 ug/l  
RT: 7.36 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion   | 83   | Resp  | 189325 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 65.7 | 51.8  | 77.6   |

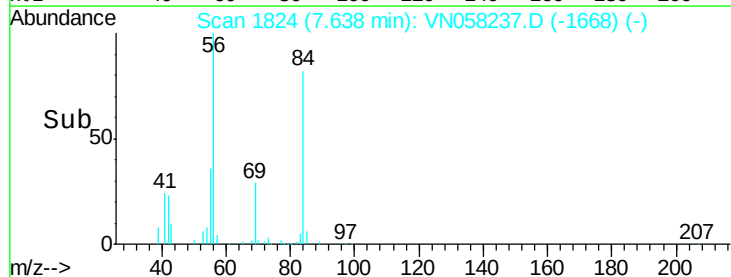
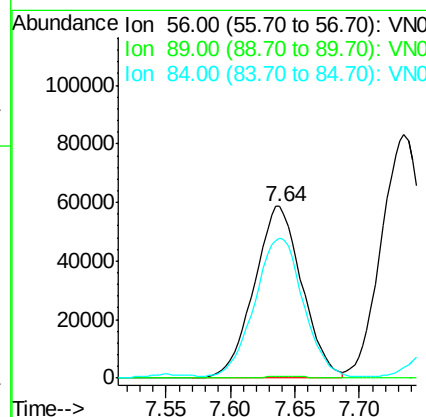
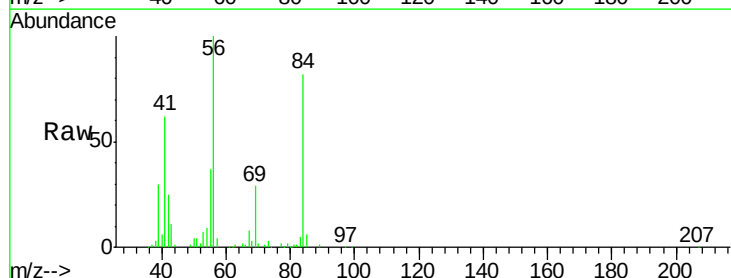
Manual Integrations  
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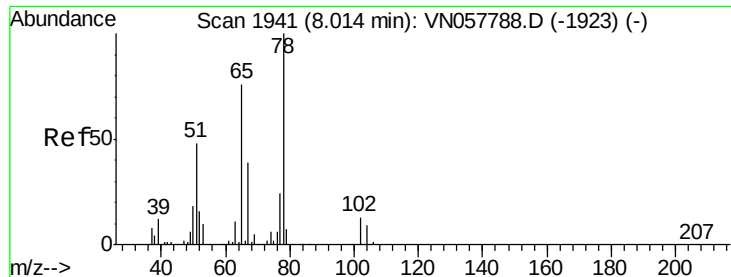
MMDadoda  
9/23/2019 3:29:38 PM



#26  
Cyclohexane  
Concen: 19.259 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion   | 56   | Resp  | 151576 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 56        | 100  |       |        |
| 89        | 0.4  | 0.3   | 0.5    |
| 84        | 83.8 | 66.6  | 100.0  |





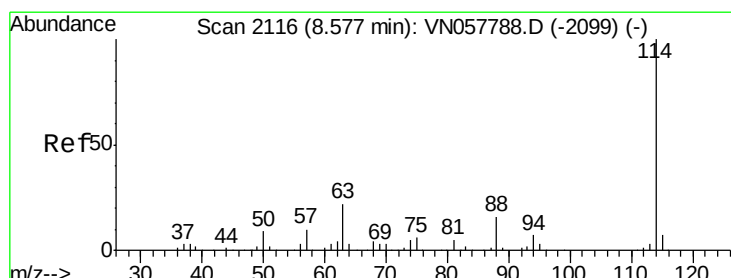
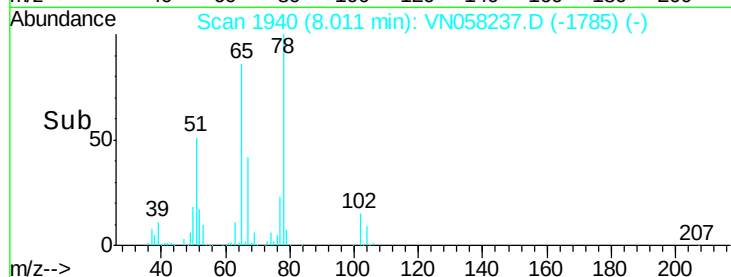
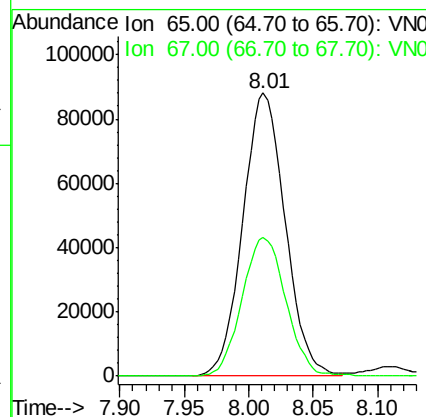
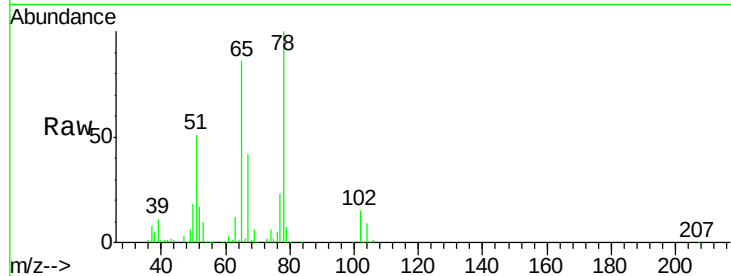
#27  
 1,2-Dichloroethane-d4  
 Concen: 30.384 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 51.0  | 40.9  | 61.3  |

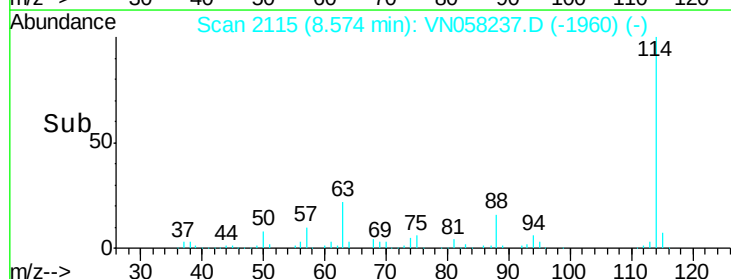
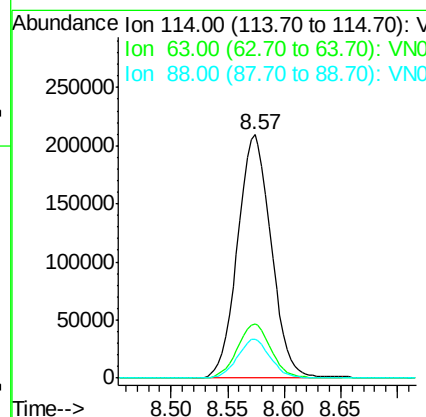
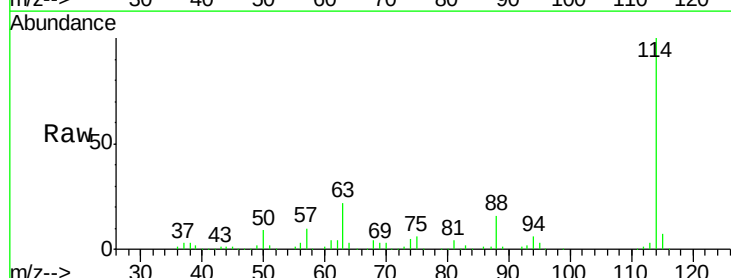
Manual Integrations  
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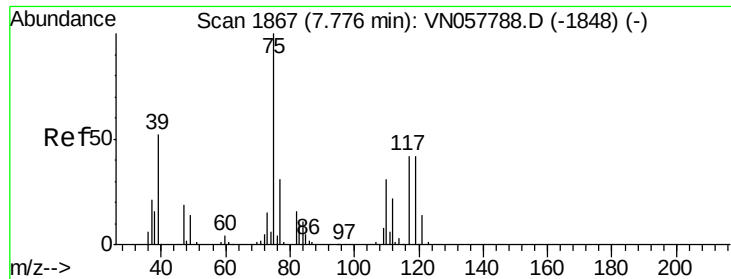
MMDadoda  
 9/23/2019 3:29:38 PM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.2  | 18.0  | 27.0  |
| 88      | 15.7  | 12.6  | 19.0  |





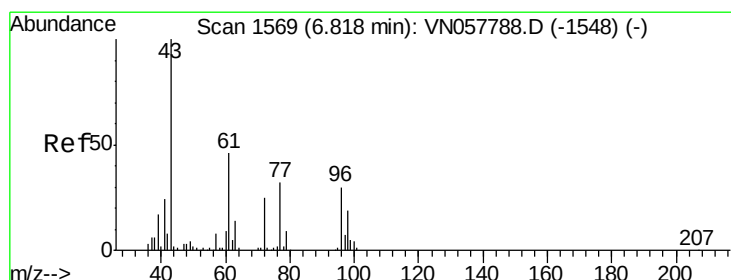
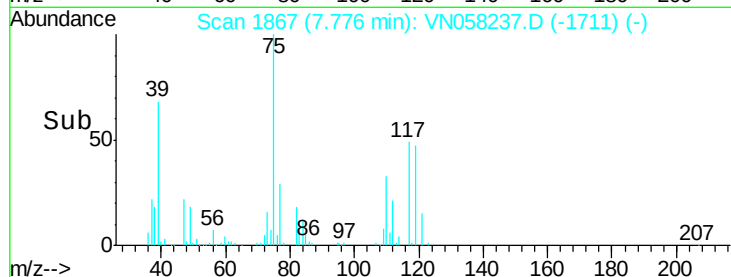
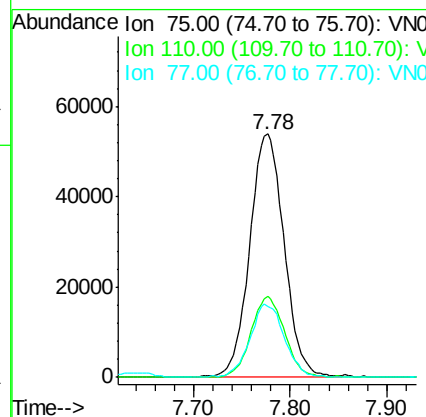
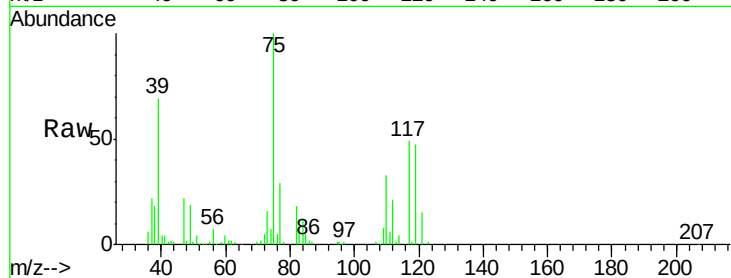
#29  
 1,1-Dichloropropene  
 Concen: 19.530 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 32.3  | 0.0        | 63.8  |
| 77      | 30.1  | 0.0        | 60.0  |

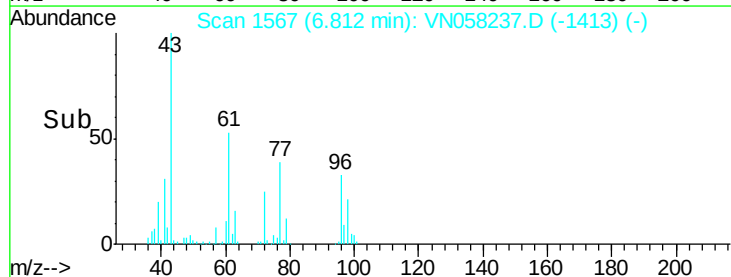
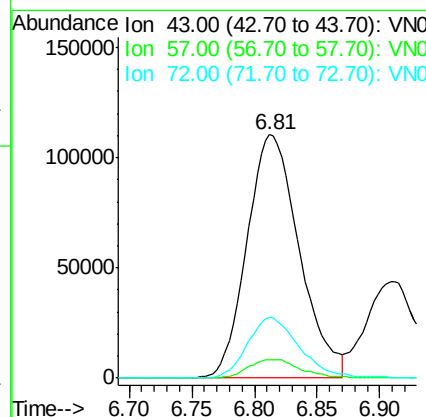
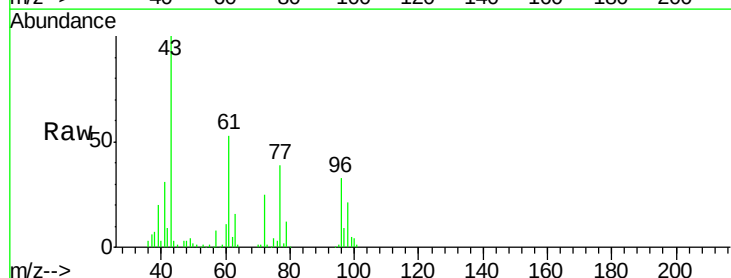
Manual Integrations  
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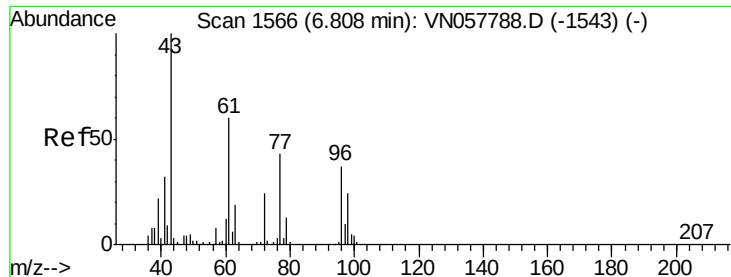
MMDadoda  
 9/23/2019 3:29:38 PM



#30  
 2-Butanone  
 Concen: 103.269 ug/l  
 RT: 6.81 min Scan# 1567  
 Delta R.T. -0.01 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 7.8   | 6.4        | 9.6   |
| 72      | 25.0  | 20.3       | 30.5  |





#31

2,2-Dichloropropane

Concen: 20.004 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampled :

VN0920WBS01

Tot Ion: 77 Resp: 144400

Ion Ratio Lower Upper

77 100

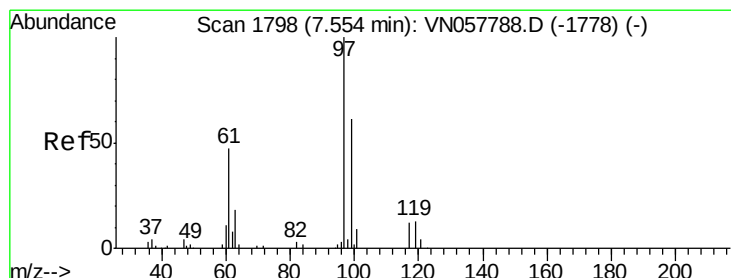
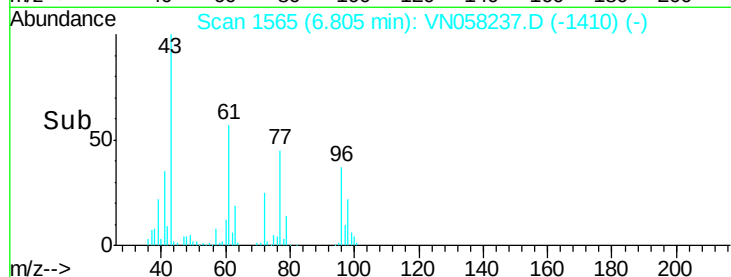
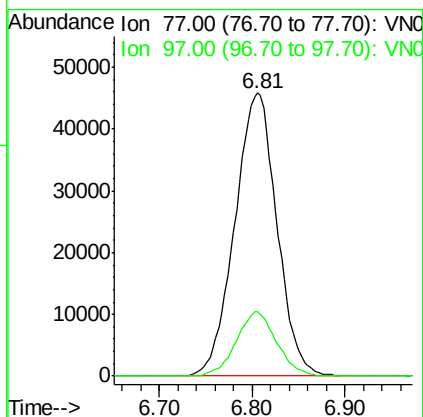
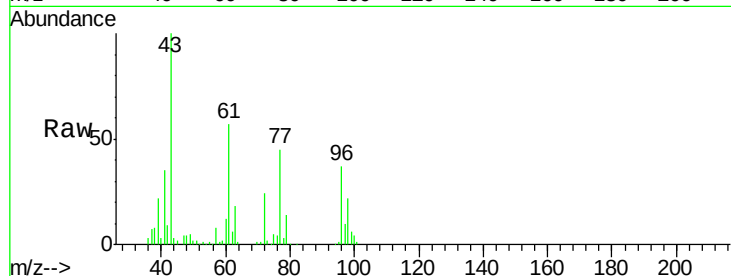
97 21.8 17.7 26.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.140 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

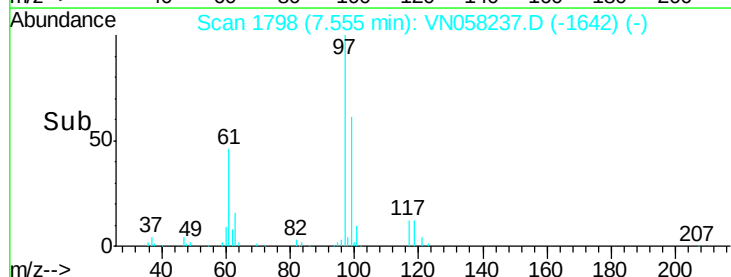
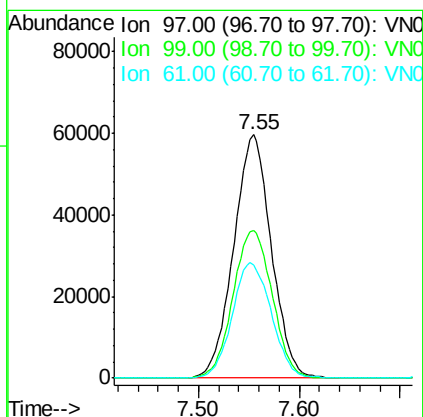
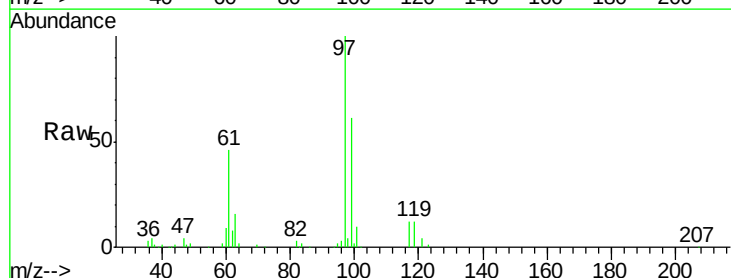
Tgt Ion: 97 Resp: 154823

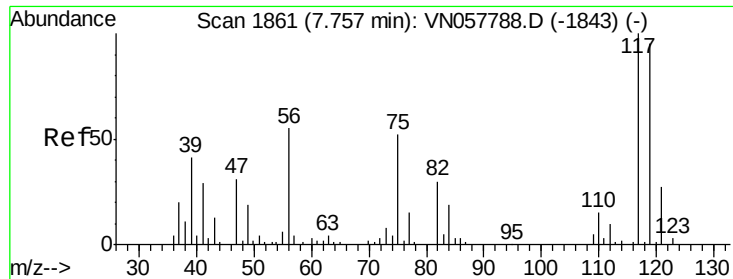
Ion Ratio Lower Upper

97 100

99 63.1 49.8 74.8

61 49.0 38.7 58.1





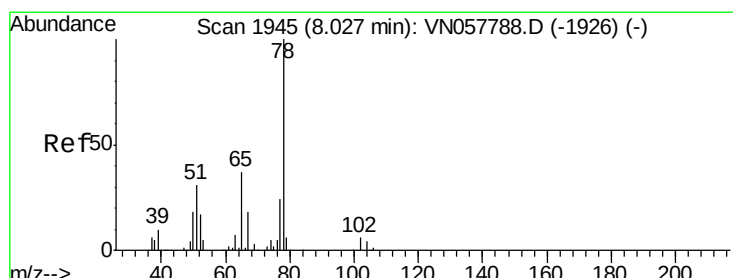
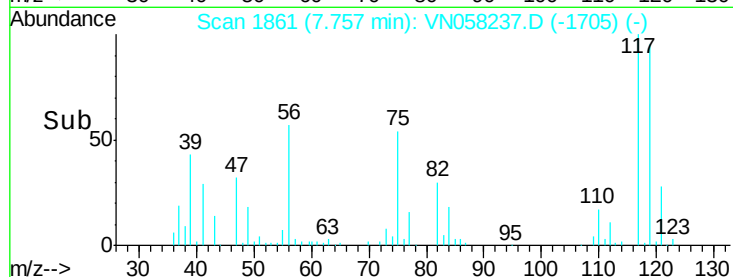
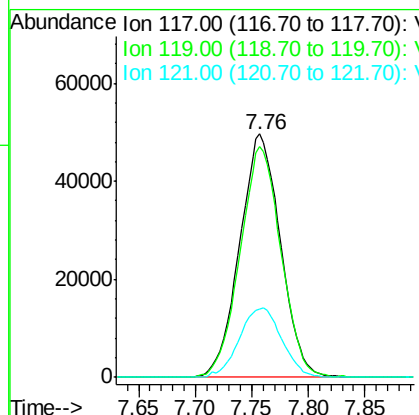
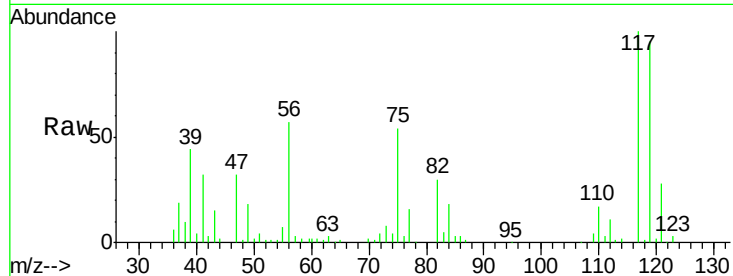
#33  
Carbon Tetrachloride  
Concen: 19.828 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.8  | 75.7  | 113.5 |
| 121     | 28.1  | 21.7  | 32.5  |

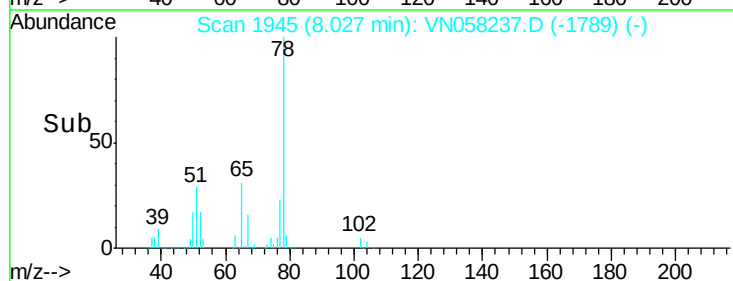
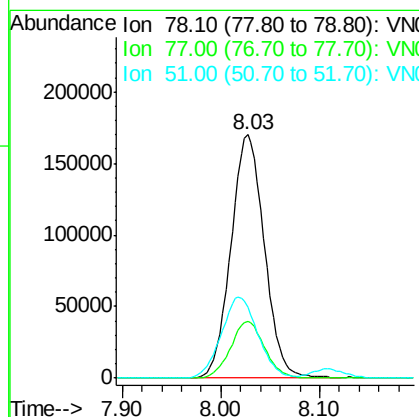
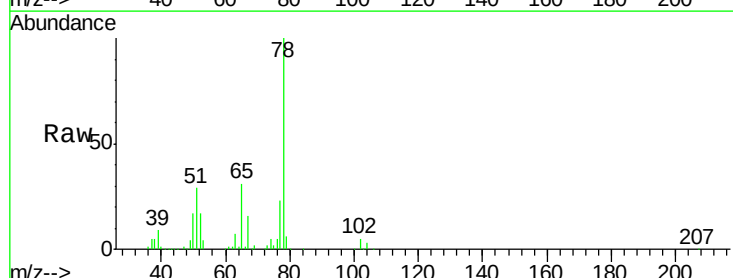
Manual Integrations  
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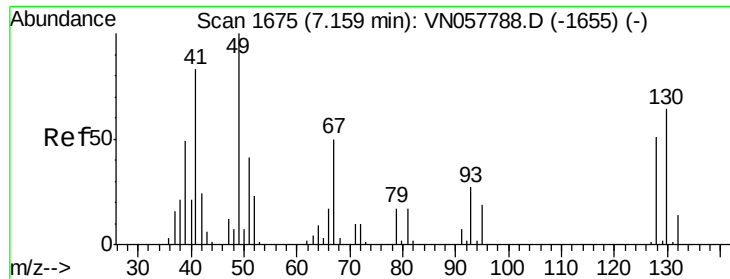
MMDadoda  
9/23/2019 3:29:38 PM



#34  
Benzene  
Concen: 19.804 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 19.2  | 28.8  |
| 51      | 28.7  | 24.9  | 37.3  |





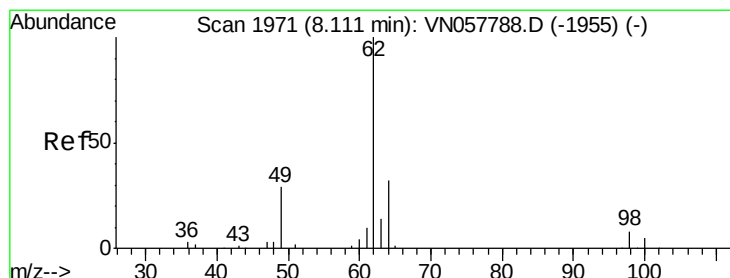
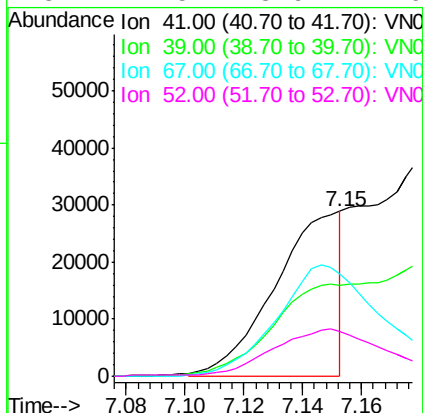
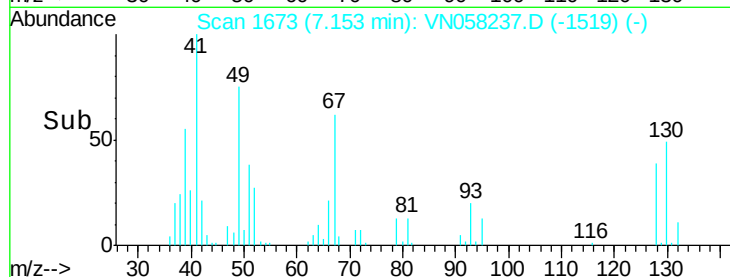
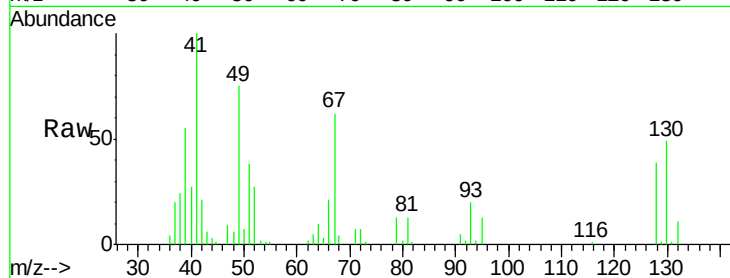
#35  
Methacrylonitrile  
Concen: 15.882 ug/l m  
RT: 7.15 min Scan# 1673  
Delta R.T. -0.01 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion | 41    | Resp  | 45413 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 55.4  | 29.8  | 89.5  |
| 67      | 62.1  | 30.0  | 90.1  |
| 52      | 27.5  | 13.9  | 41.6  |

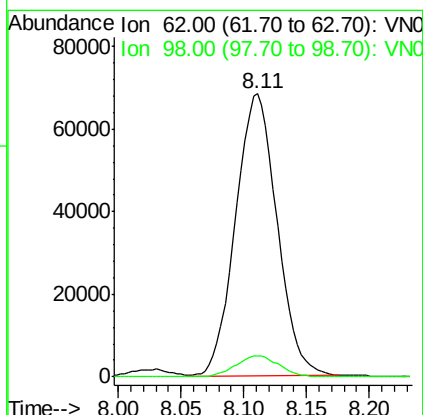
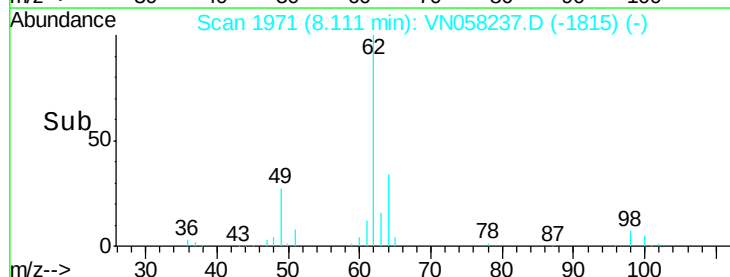
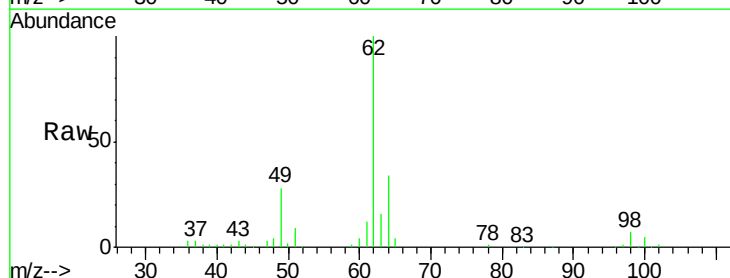
Manual Integrations  
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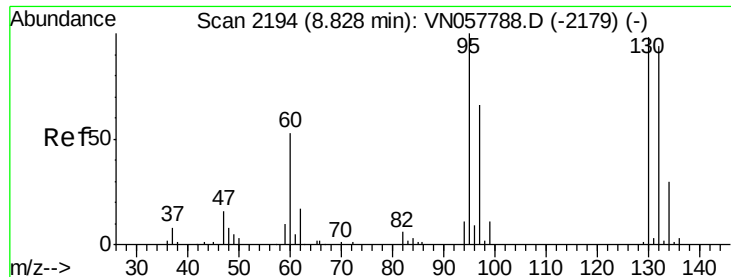
MMDadoda  
9/23/2019 3:29:38 PM



#36  
1,2-Dichloroethane  
Concen: 20.028 ug/l  
RT: 8.11 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | 62    | Resp  | 157451 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 7.7   | 6.6   | 9.8    |





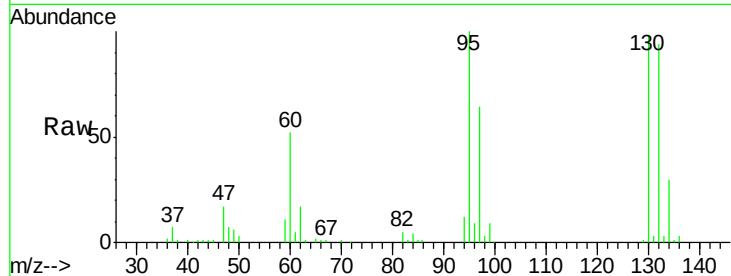
#37  
 Trichloroethene  
 Concen: 20.148 ug/l  
 RT: 8.82 min Scan# 2193  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

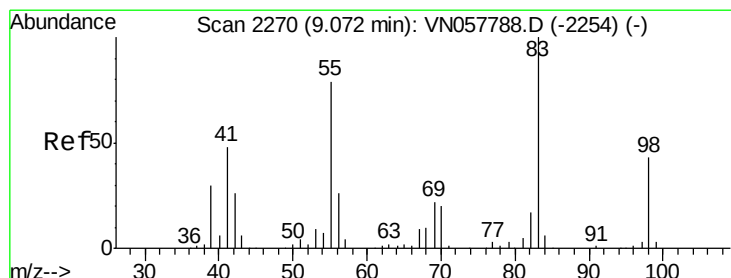
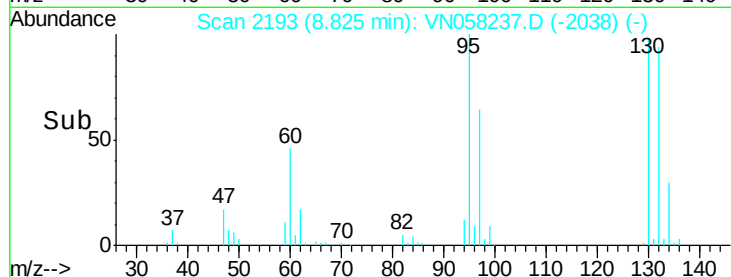
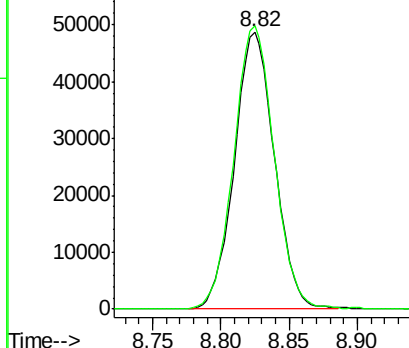
Tot Ion:130 Resp: 99142  
 Ion Ratio Lower Upper  
 130 100  
 95 102.2 81.9 122.9

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MMDadoda  
 9/23/2019 3:29:38 PM

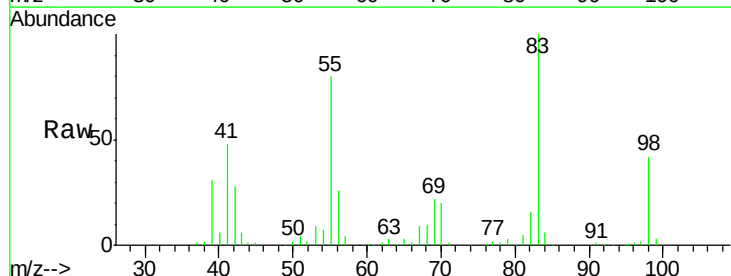


Abundance Ion 129.90 (129.60 to 130.60): V  
 Ion 94.90 (94.60 to 95.60): VN

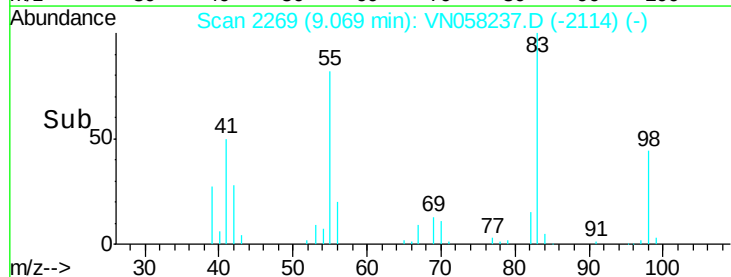
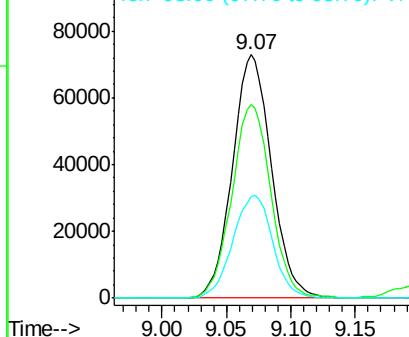


#38  
 Methylcyclohexane  
 Concen: 19.654 ug/l  
 RT: 9.07 min Scan# 2269  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

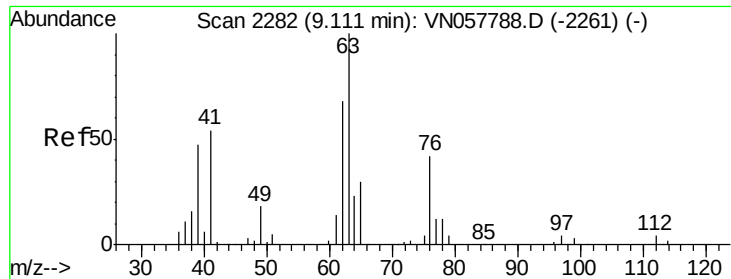
Tgt Ion: 83 Resp: 153013  
 Ion Ratio Lower Upper  
 83 100  
 55 79.7 39.6 118.7  
 98 43.2 21.8 65.4



Abundance Ion 83.00 (82.70 to 83.70): VNO  
 Ion 55.00 (54.70 to 55.70): VNO  
 Ion 98.00 (97.70 to 98.70): VNO







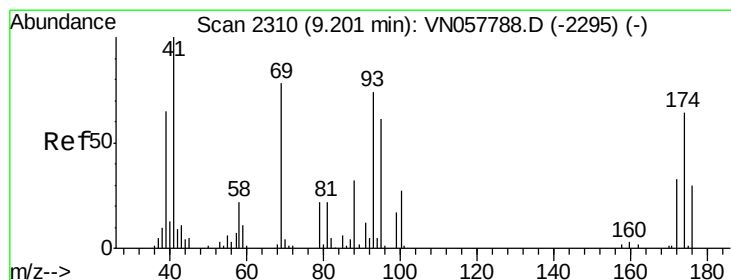
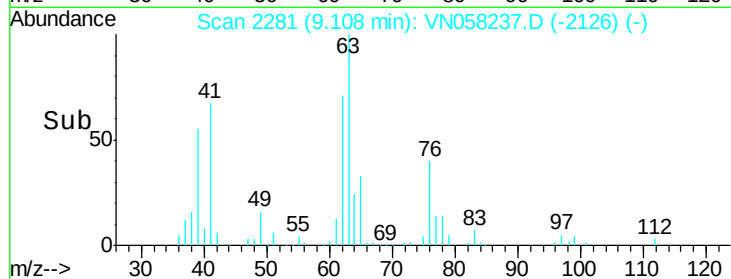
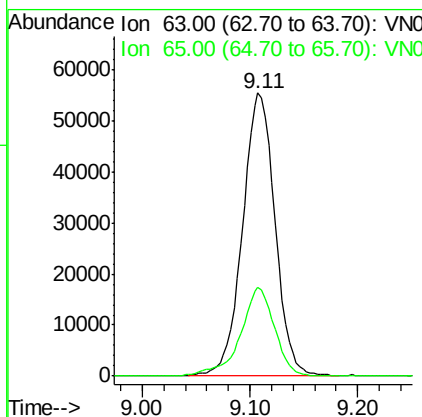
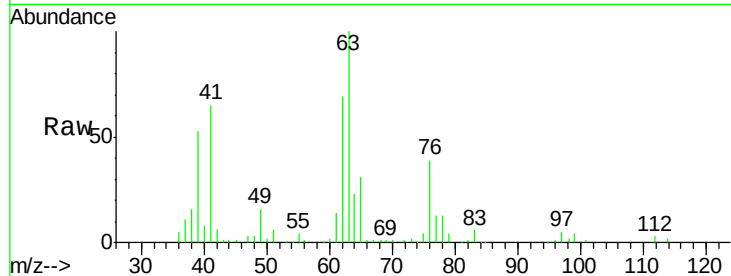
#39  
 1,2-Dichloropropane  
 Concen: 20.443 ug/l  
 RT: 9.11 min Scan# 2281  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

Tot Ion: 63 Resp: 116309  
 Ion Ratio Lower Upper  
 63 100  
 65 31.4 23.6 35.4

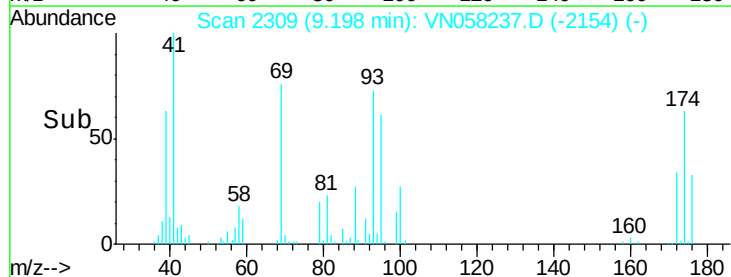
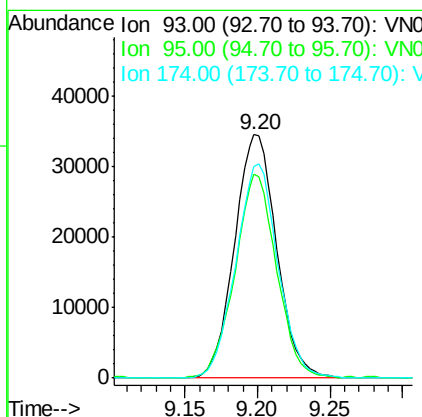
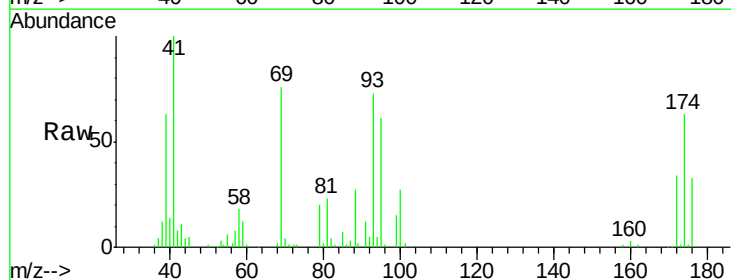
Manual Integrations  
 APPROVED

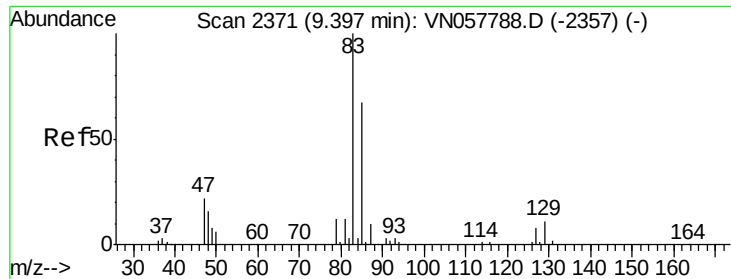
MMDadoda  
 9/23/2019 3:29:38 PM



#40  
 Dibromomethane  
 Concen: 20.192 ug/l  
 RT: 9.20 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Tgt Ion: 93 Resp: 69872  
 Ion Ratio Lower Upper  
 93 100  
 95 82.5 0.0 163.0  
 174 88.1 0.0 171.4





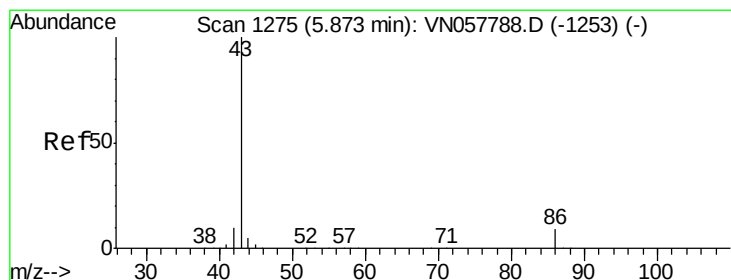
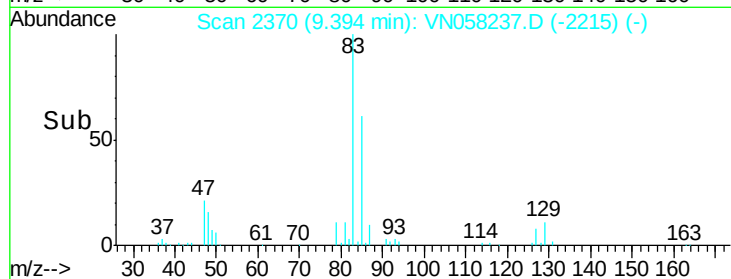
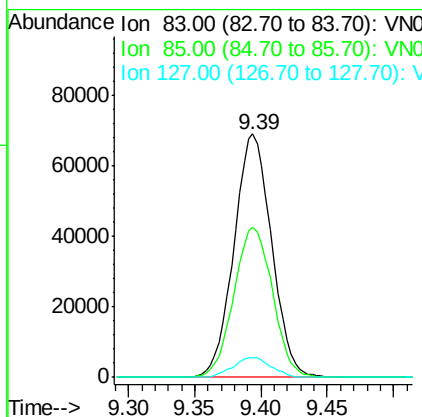
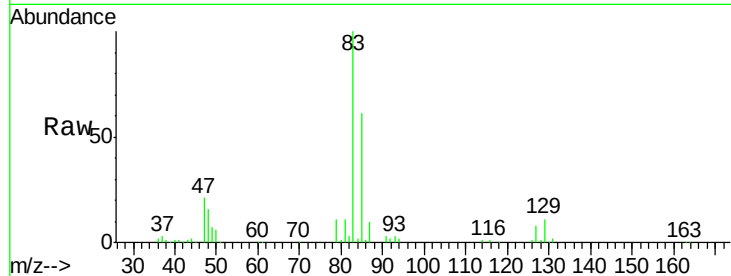
#41  
Bromodichloromethane  
Concen: 19.533 ug/l  
RT: 9.39 min Scan# 2370  
Delta R.T. -0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion   | 83   | Resp  | 136268 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 61.5 | 53.4  | 80.0   |
| 127       | 8.1  | 6.6   | 10.0   |

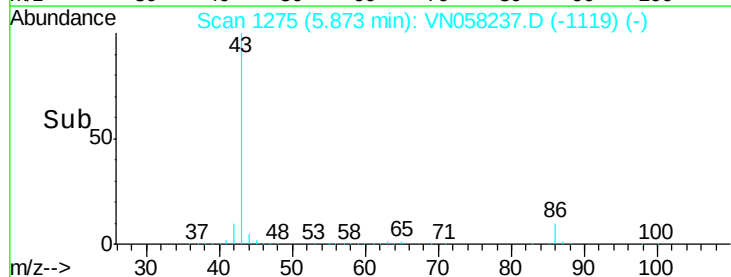
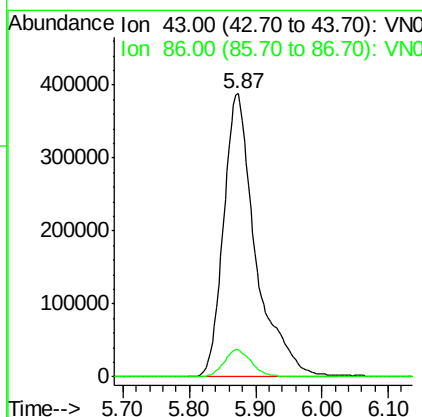
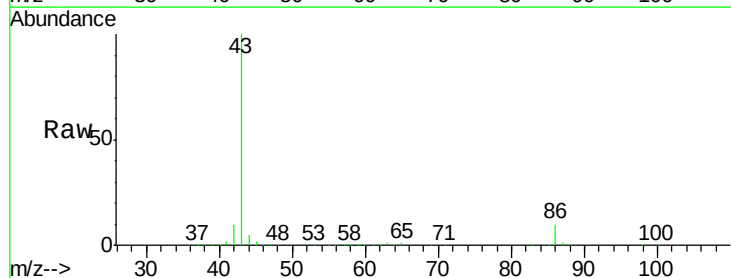
Manual Integrations  
APPROVED

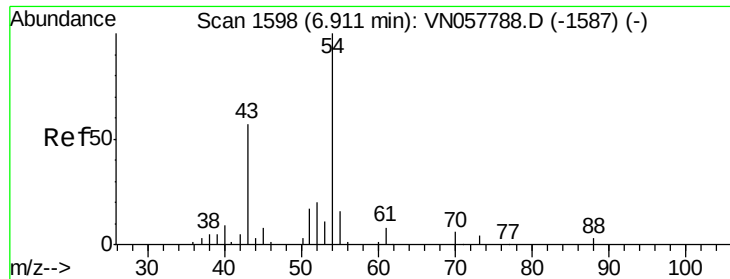
MMDadoda  
9/23/2019 3:29:38 PM



#42  
Vinyl Acetate  
Concen: 105.490 ug/l  
RT: 5.87 min Scan# 1275  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion   | 43  | Resp  | 1307078 |
|-----------|-----|-------|---------|
| Ion Ratio | 100 | Lower | Upper   |
| 43        | 100 |       |         |
| 86        | 8.2 | 6.3   | 9.5     |





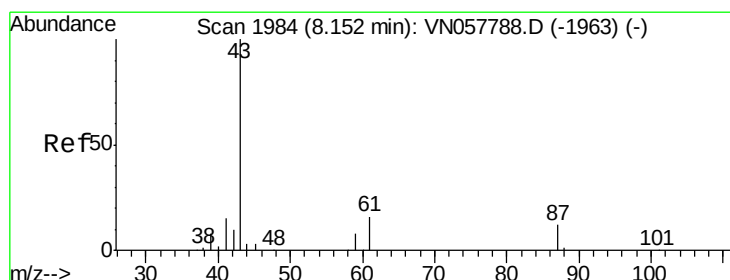
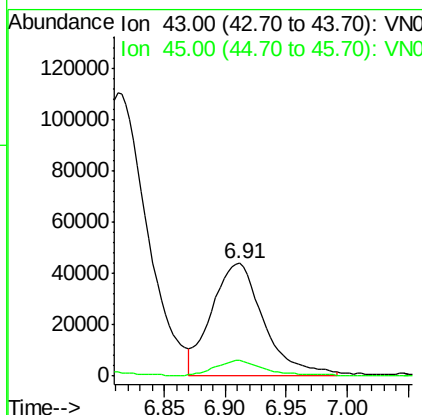
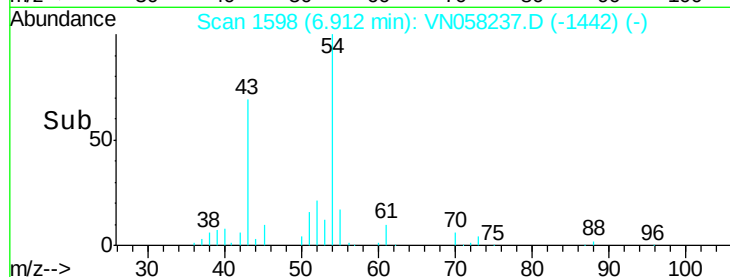
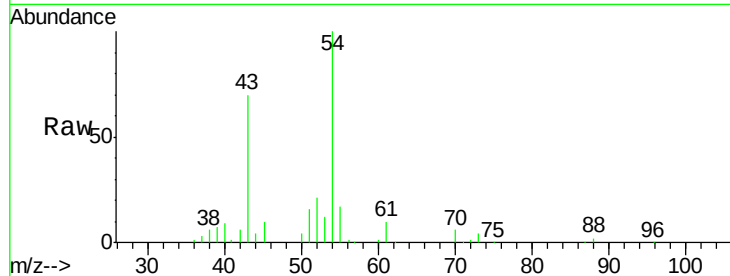
#43  
Ethyl Acetate  
Concen: 21.082 ug/l m  
RT: 6.91 min Scan# 1598  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

Tot Ion: 43 Resp: 132605  
Ion Ratio Lower Upper  
43 100  
45 2.0 5.4 8.0#

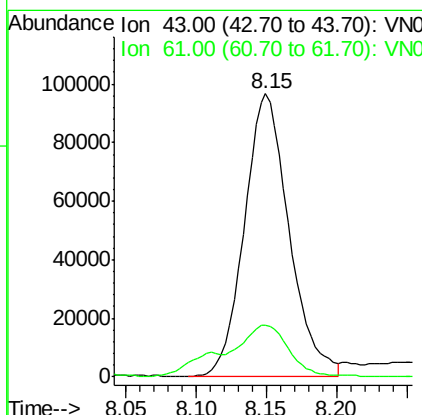
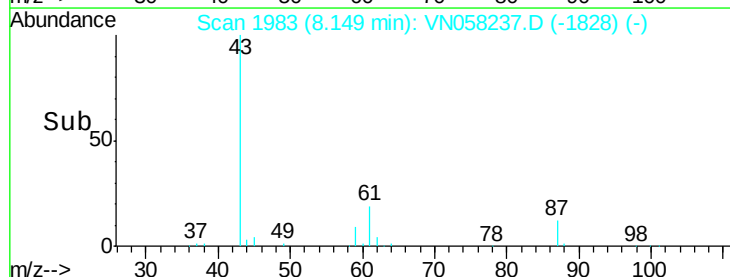
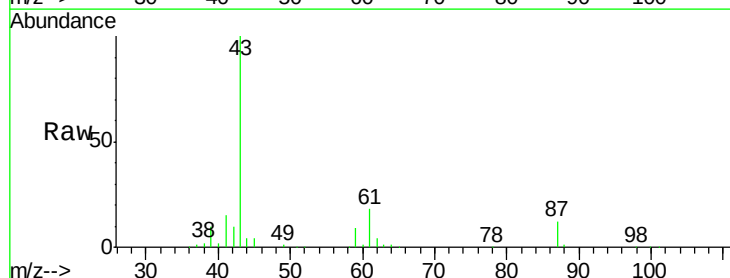
Manual Integrations  
APPROVED

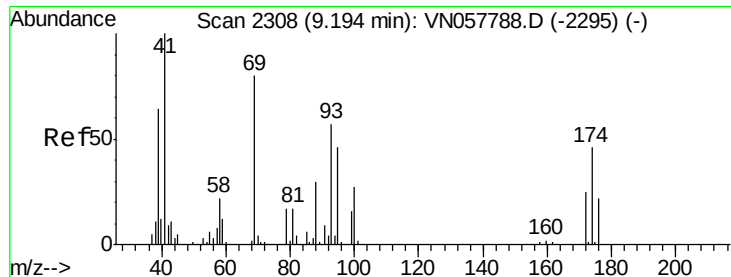
MMDadoda  
9/23/2019 3:29:38 PM



#44  
Isopropyl Acetate  
Concen: 19.426 ug/l  
RT: 8.15 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Tgt Ion: 43 Resp: 213042  
Ion Ratio Lower Upper  
43 100  
61 18.4 0.1 0.1#





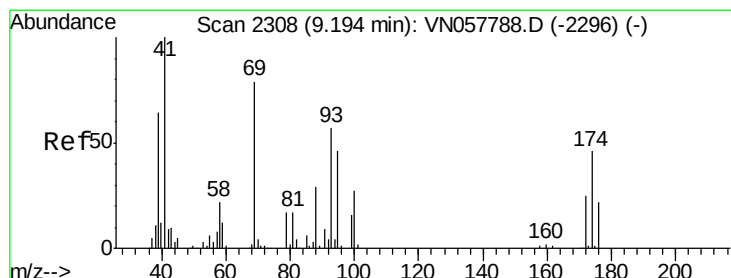
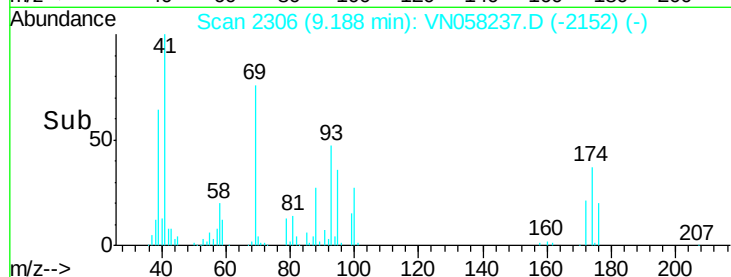
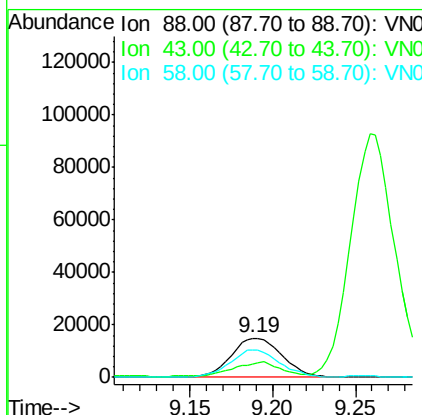
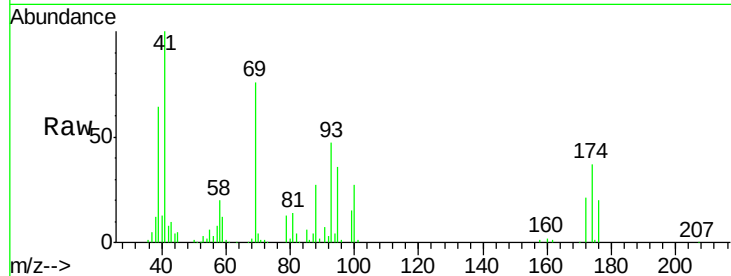
#45  
 1,4-Dioxane  
 Concen: 370.824 ug/l  
 RT: 9.19 min Scan# 2306  
 Delta R.T. -0.01 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 88      | 100   | 31956 |       |       |
| 43      | 31.1  |       | 28.2  | 42.4  |
| 58      | 68.2  |       | 58.5  | 87.7  |

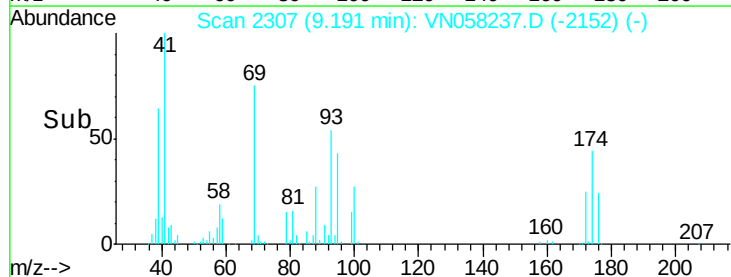
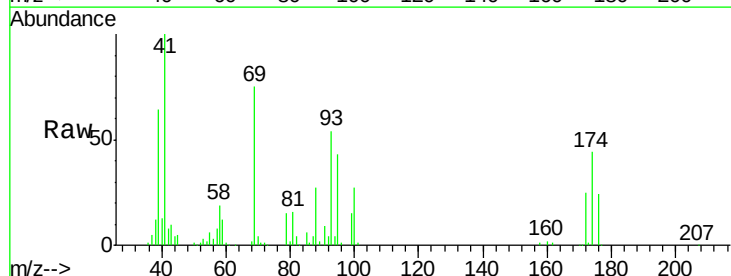
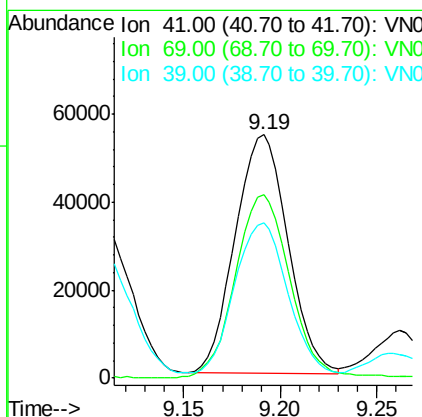
Manual Integrations  
 APPROVED

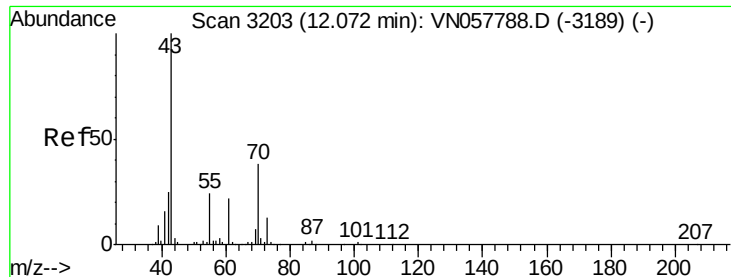
MMDadoda  
 9/23/2019 3:29:38 PM



#46  
 Methyl methacrylate  
 Concen: 19.227 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 103002 |       |       |
| 69      | 76.2  |        | 39.6  | 119.0 |
| 39      | 63.1  |        | 31.9  | 95.7  |





#47

n-amvl Acetate

Concen: 17.894 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampled :

VN0920WBS01

Tot Ion: 43 Resp: 180266

Ion Ratio Lower Upper

43 100

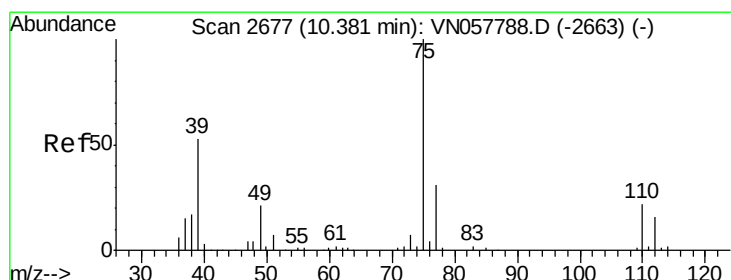
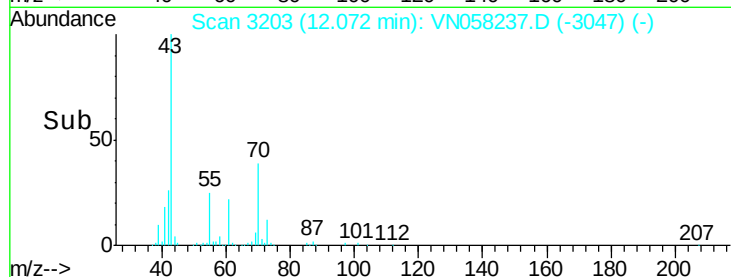
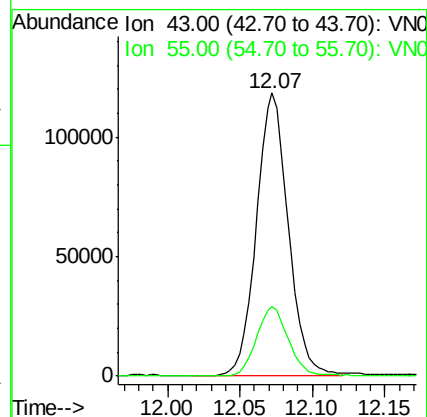
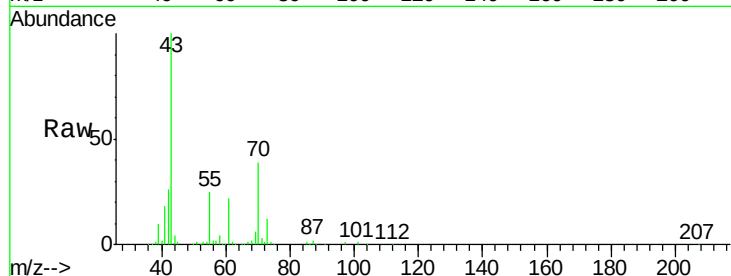
55 24.8 18.3 27.5

Manual Integrations

APPROVED

MMDadoda

9/23/2019 3:29:38 PM



#48

t-1,3-Dichloropropene

Concen: 18.580 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058237.D

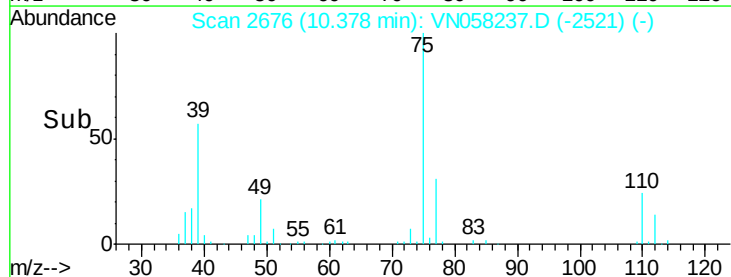
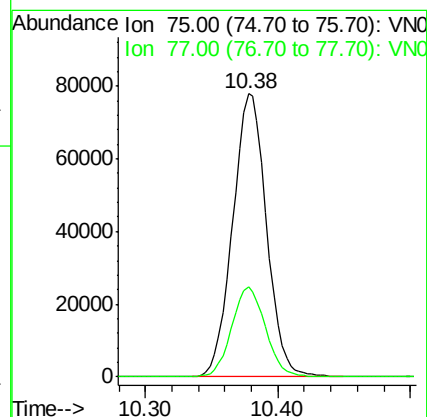
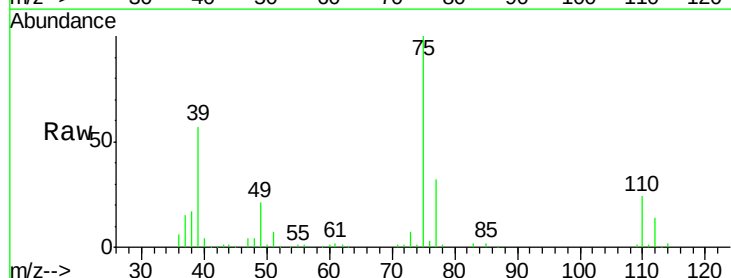
Acq: 20 Sep 2019 10:14

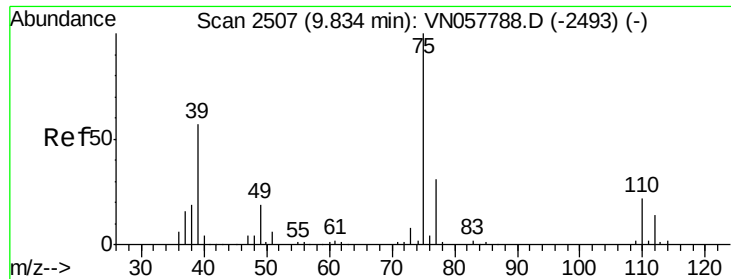
Tgt Ion: 75 Resp: 137999

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3





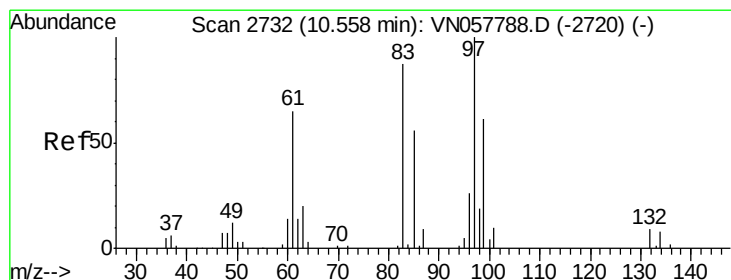
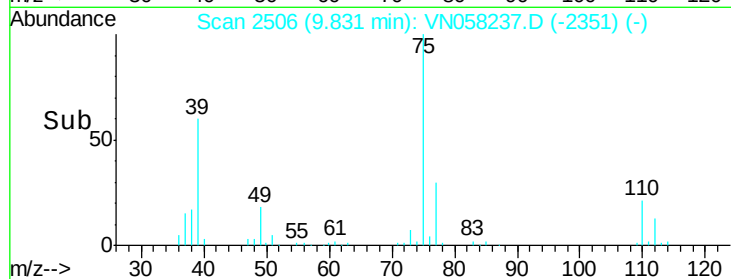
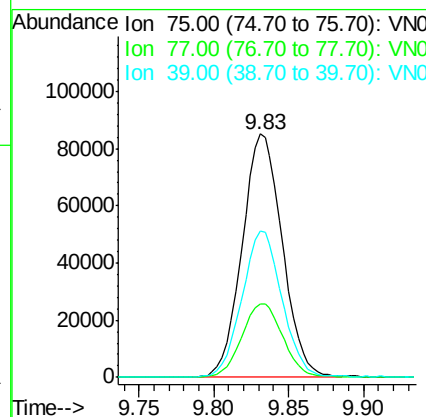
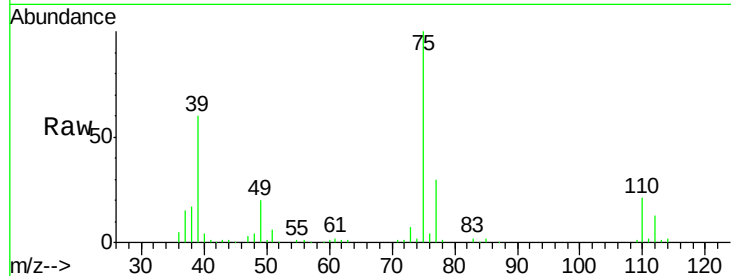
#49  
 cis-1,3-Dichloropropene  
 Concen: 19.054 ug/l  
 RT: 9.83 min Scan# 2506  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.0  | 24.6  | 36.8  |
| 39      | 60.2  | 45.8  | 68.8  |

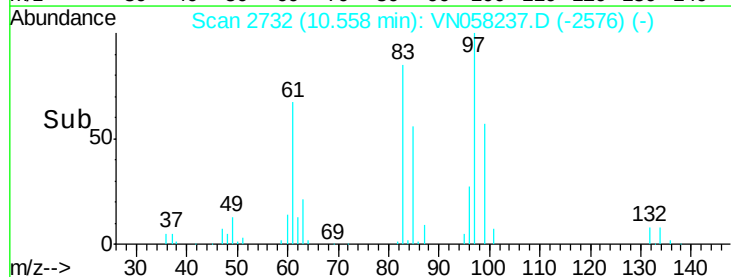
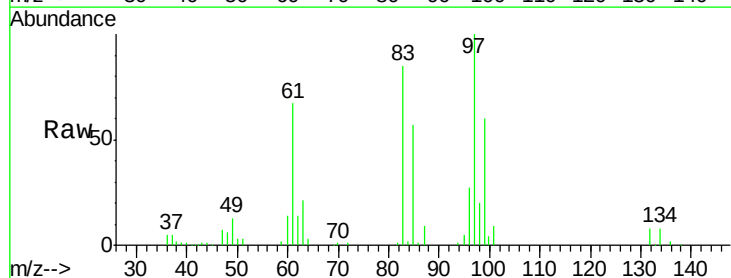
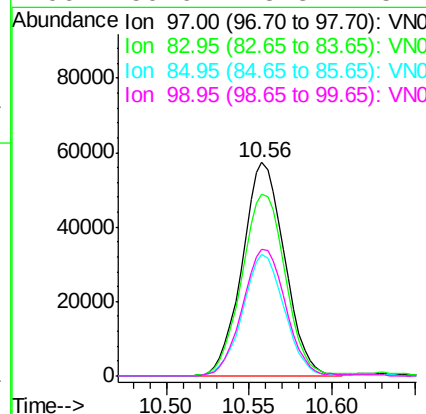
Manual Integrations  
 APPROVED

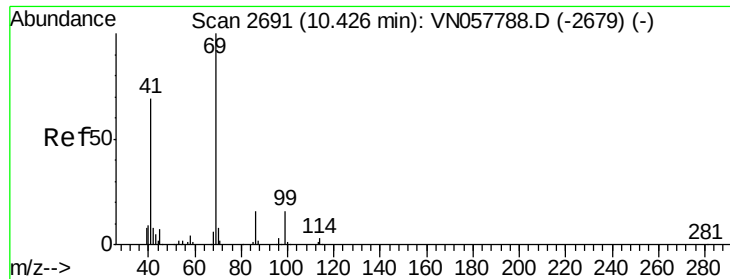
MMDadoda  
 9/23/2019 3:29:38 PM



#50  
 1,1,2-Trichloroethane  
 Concen: 20.354 ug/l  
 RT: 10.56 min Scan# 2732  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.3  | 69.4  | 104.2 |
| 85      | 56.8  | 45.0  | 67.6  |
| 99      | 59.6  | 48.8  | 73.2  |





#51

Ethyl methacrylate

Concen: 19.004 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

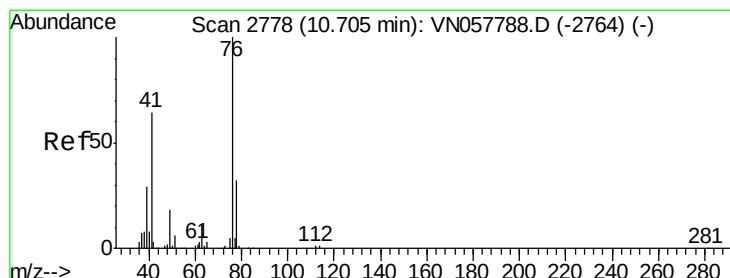
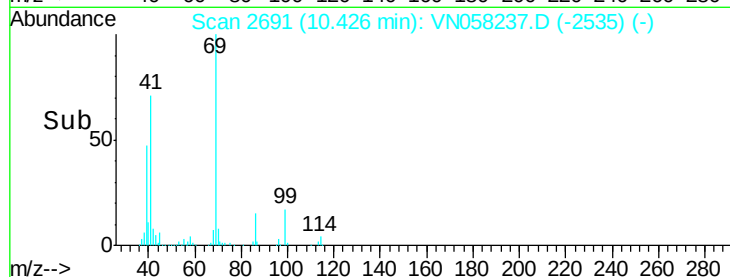
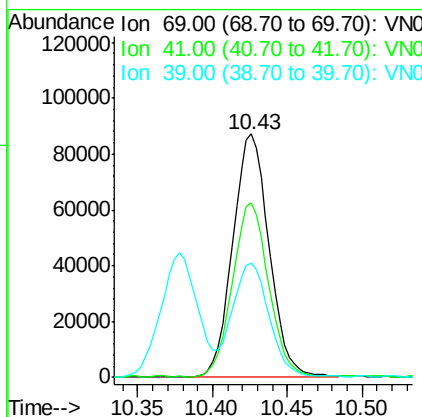
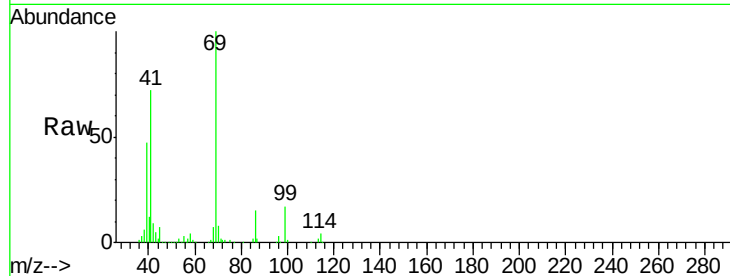
ClientSampled :

VN0920WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 69    | Resp: | 147909 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.3  | 34.5  | 103.5  |
| 39       | 46.6  | 22.4  | 67.3   |

Manual Integrations  
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MMDadoda  
9/23/2019 3:29:38 PM



#52

1,3-Dichloropropane

Concen: 20.113 ug/l

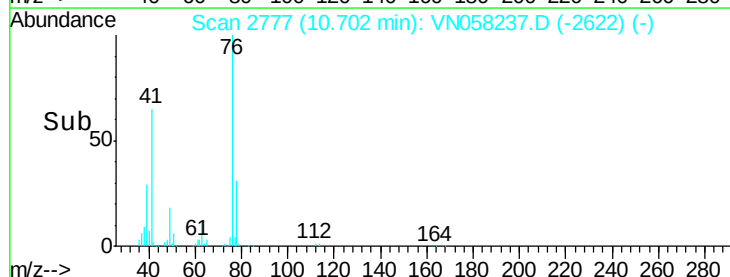
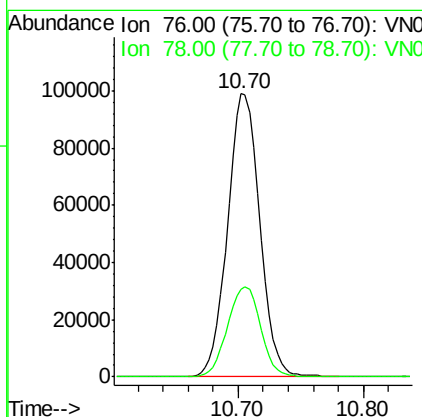
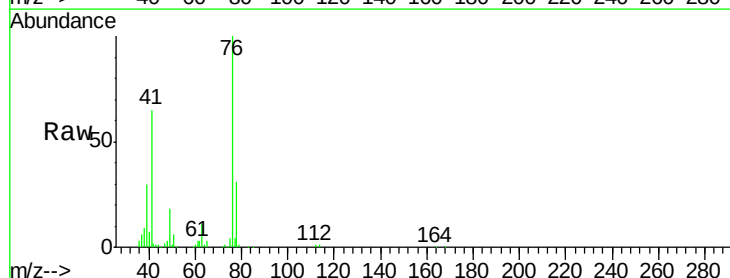
RT: 10.70 min Scan# 2777

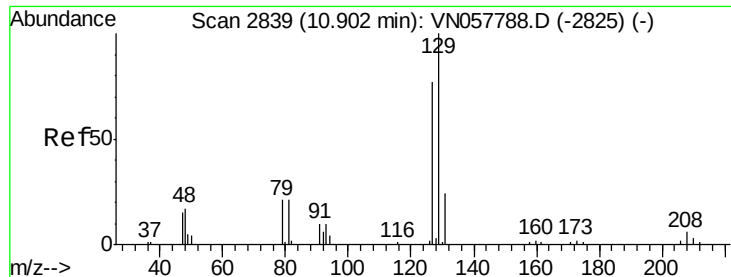
Delta R.T. -0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 176554 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 32.9  | 0.0   | 63.8   |





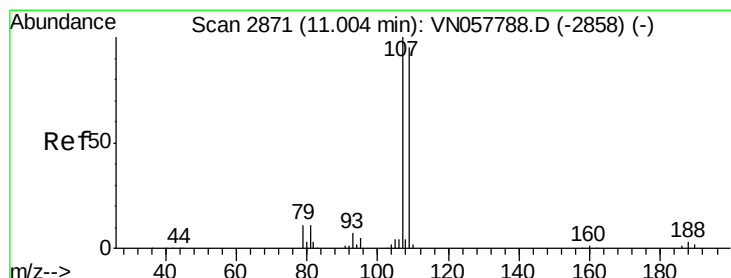
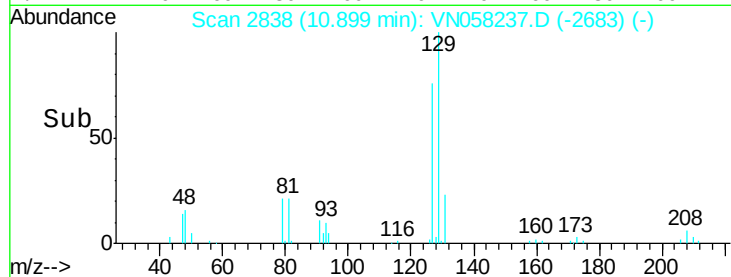
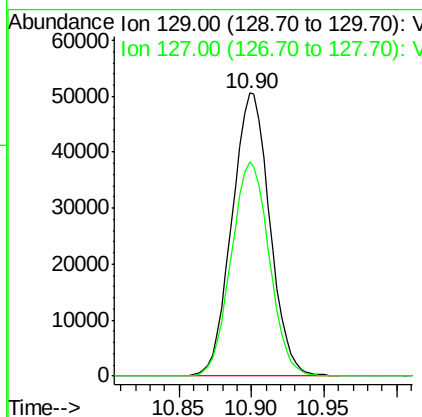
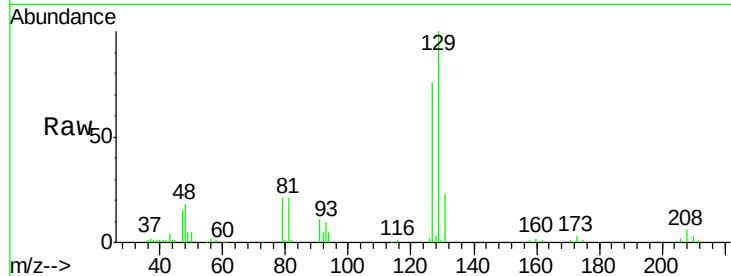
#53  
 Dibromochloromethane  
 Concen: 18.492 ug/l  
 RT: 10.90 min Scan# 2838  
 Delta R.T. -0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 129     | 100  |       | 91668 |       |       |
| 127     | 76.3 | 38.8  | 116.3 |       |       |

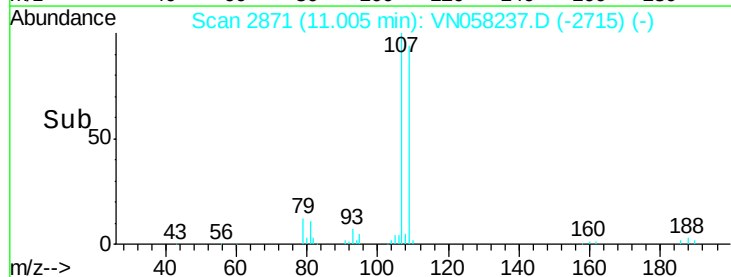
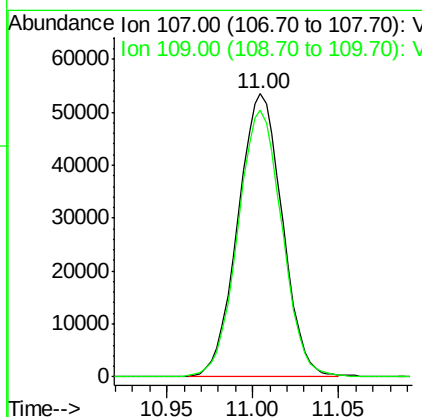
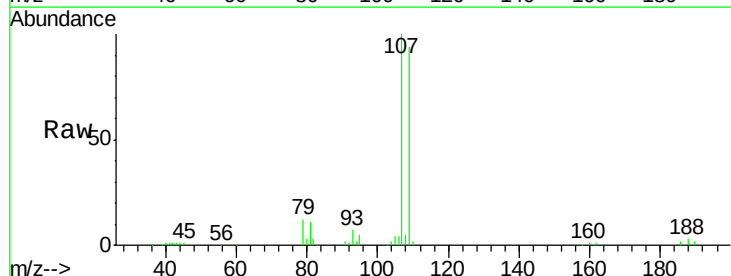
Manual Integrations  
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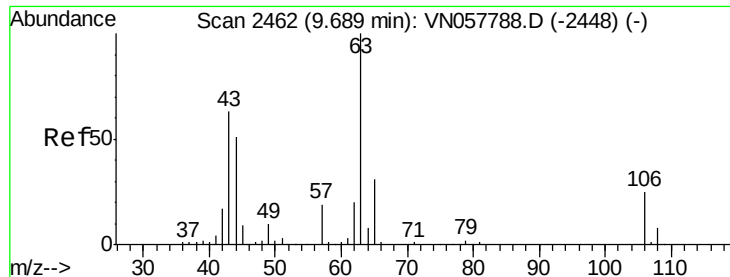


#54  
 1,2-Dibromoethane  
 Concen: 19.227 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       | 96021 |       |       |
| 109     | 94.3 | 75.4  | 113.0 |       |       |







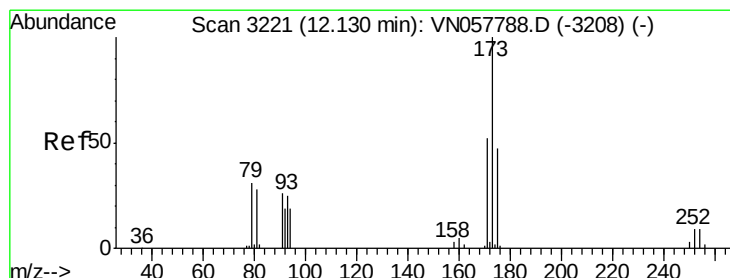
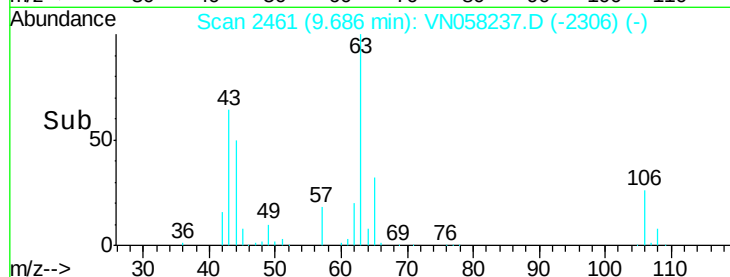
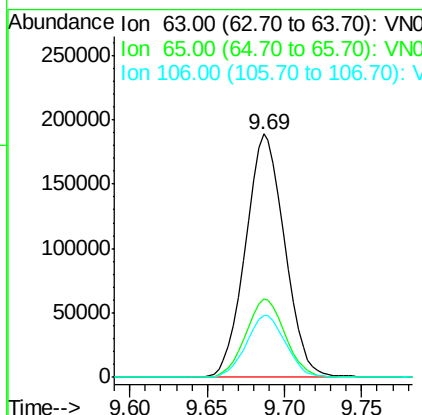
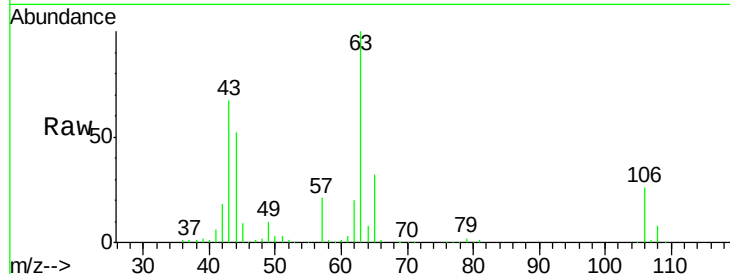
#55  
2-Chloroethyl vinyl ether  
Concen: 89.970 ug/l  
RT: 9.69 min Scan# 2461  
Delta R.T. -0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 63    | Resp: | 332729 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 32.5  | 25.0  | 37.6   |
| 106      | 25.7  | 19.8  | 29.8   |

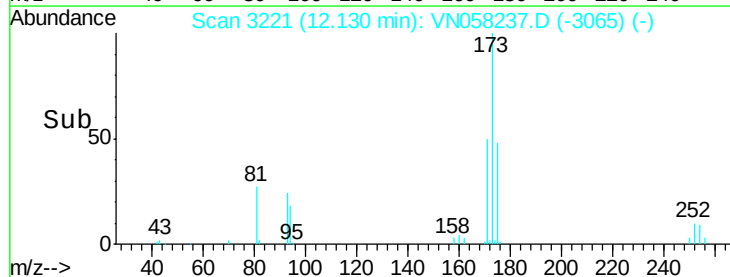
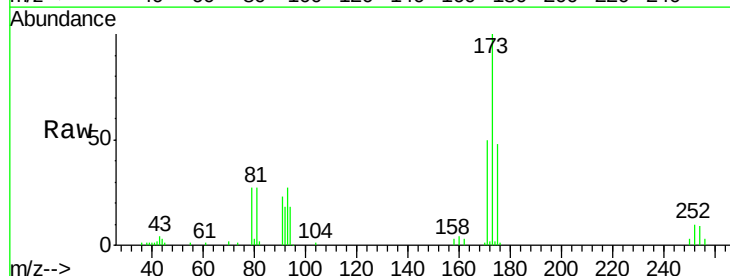
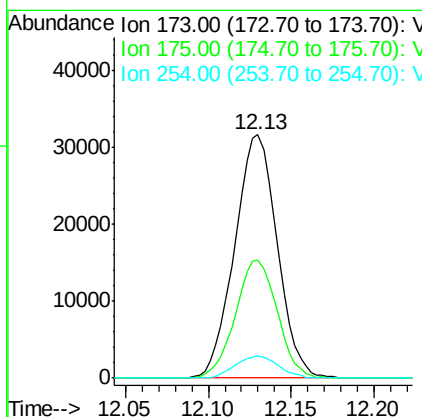
Manual Integrations  
APPROVED

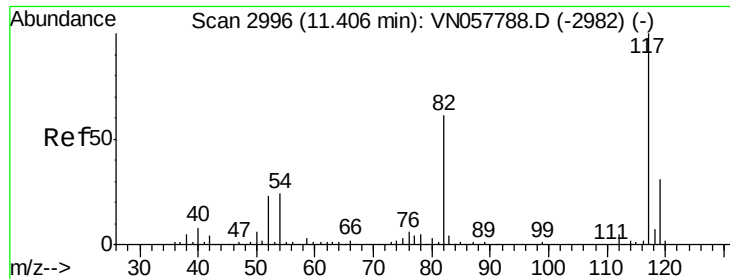
MMDadoda  
9/23/2019 3:29:38 PM



#56  
Bromoform  
Concen: 18.409 ug/l  
RT: 12.13 min Scan# 3221  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 56532 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.4  | 38.4  | 57.6  |
| 254      | 9.1   | 6.9   | 10.3  |





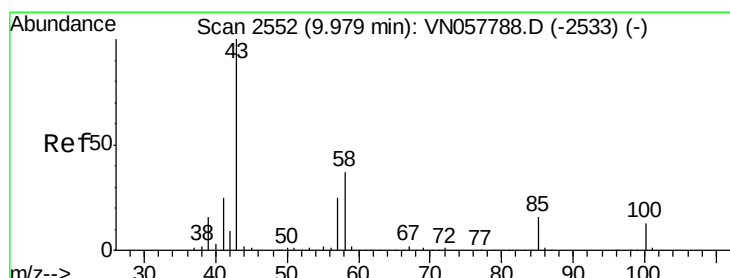
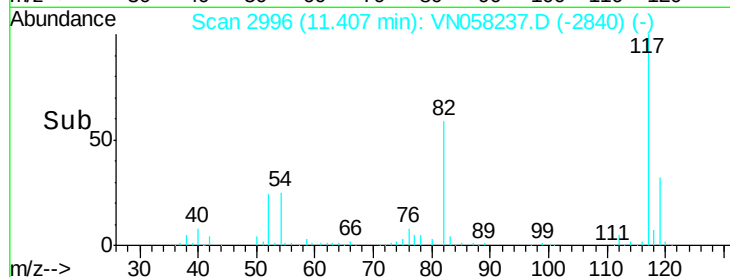
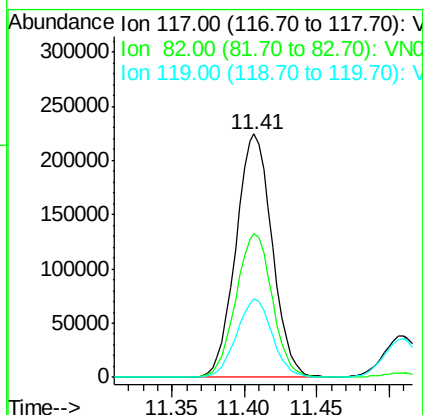
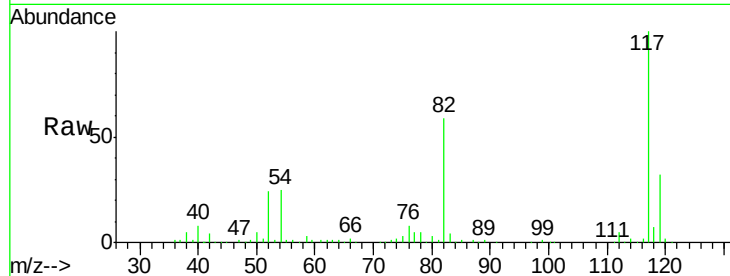
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.2  | 47.6  | 71.4  |
| 119     | 31.6  | 25.4  | 38.2  |

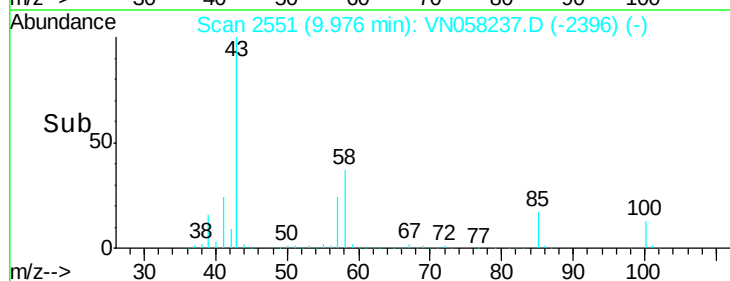
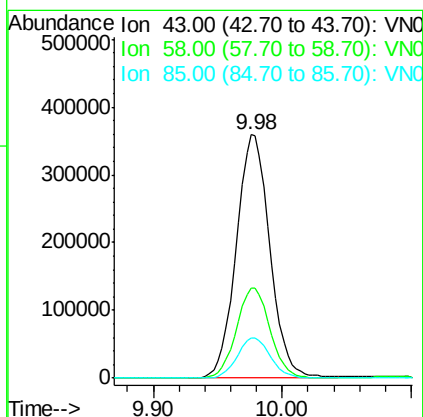
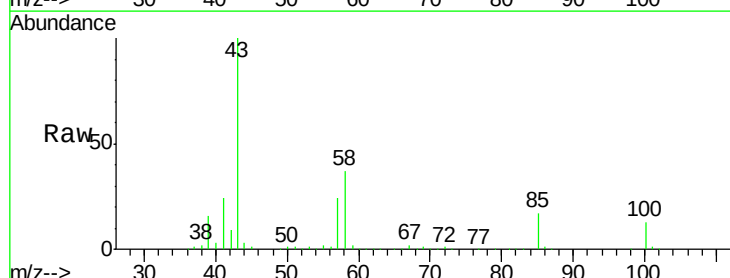
Manual Integrations  
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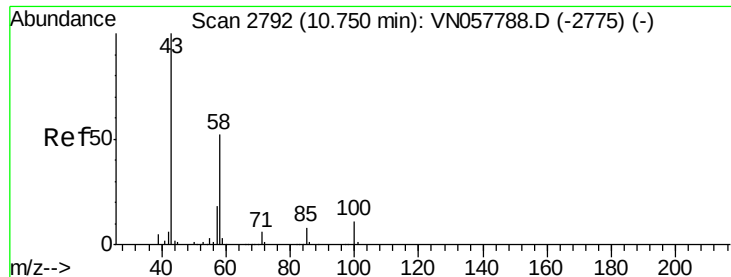
MMDadoda  
9/23/2019 3:29:38 PM



#58  
4-Methyl-2-Pentanone  
Concen: 106.952 ug/l  
RT: 9.98 min Scan# 2551  
Delta R.T. -0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.5  | 29.4  | 44.0  |
| 85      | 16.4  | 12.9  | 19.3  |





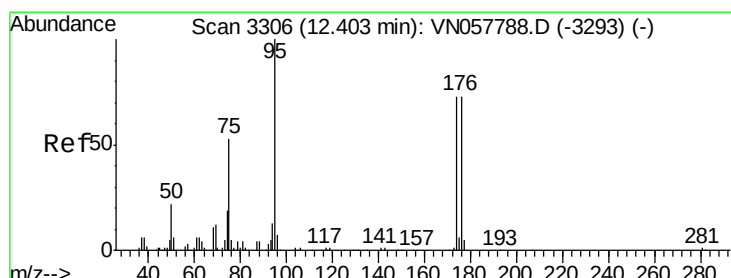
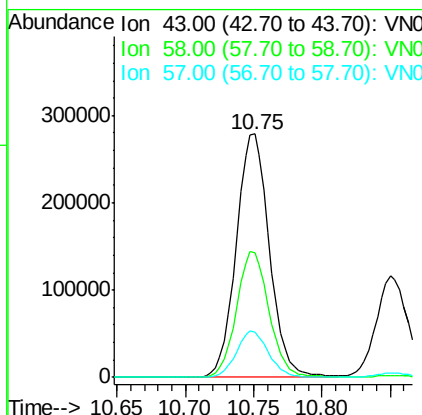
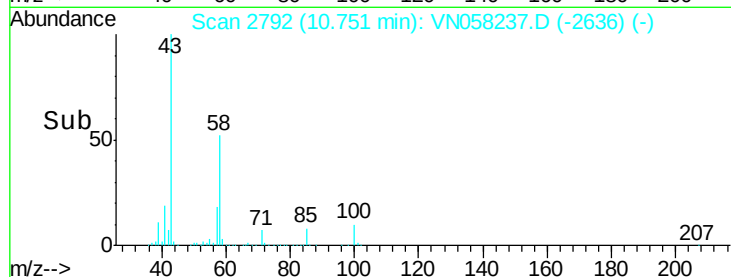
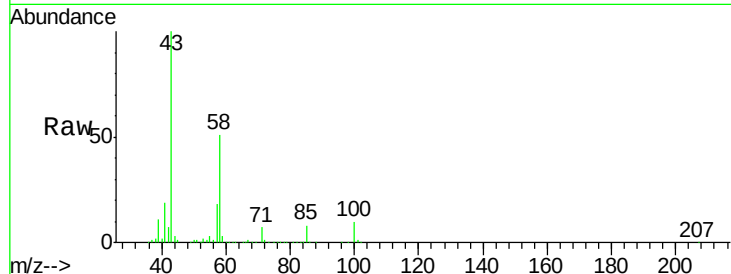
#59  
2-Hexanone  
Concen: 103.382 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 51.1  | 40.6  | 61.0  |
| 57      | 18.4  | 14.5  | 21.7  |

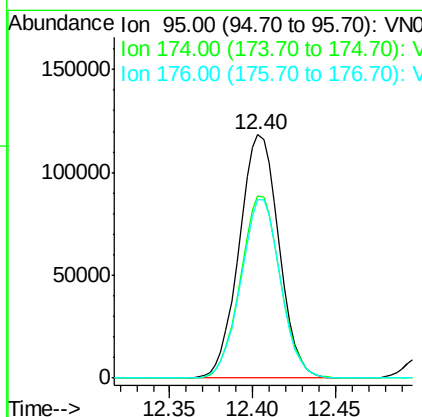
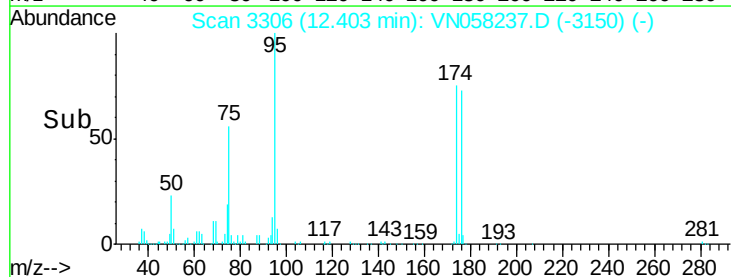
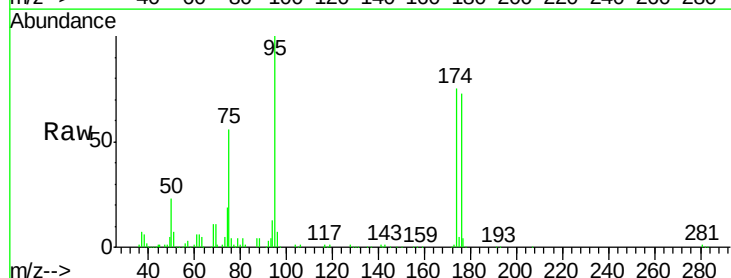
Manual Integrations  
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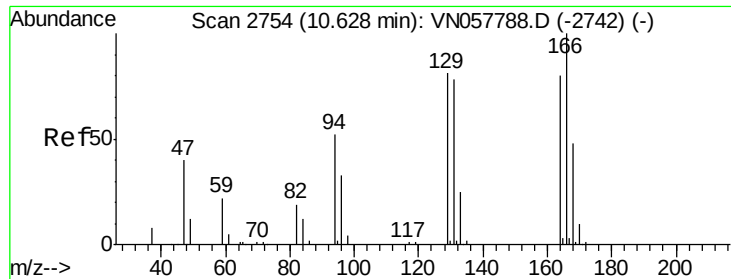
MMDadoda  
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#60  
4-Bromofluorobenzene  
Concen: 29.655 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 75.0  | 59.4  | 89.0  |
| 176     | 73.2  | 57.4  | 86.0  |





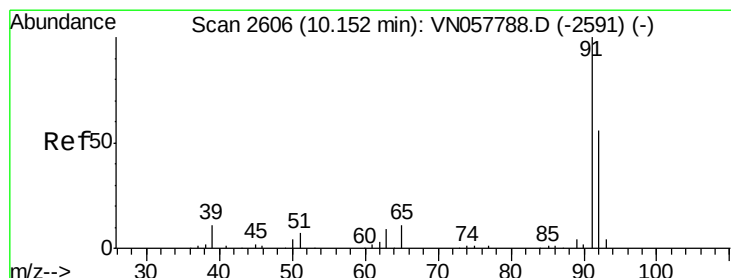
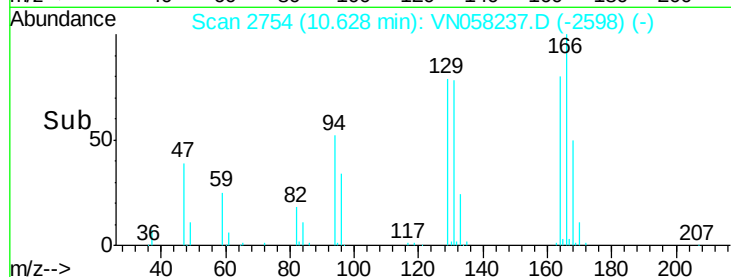
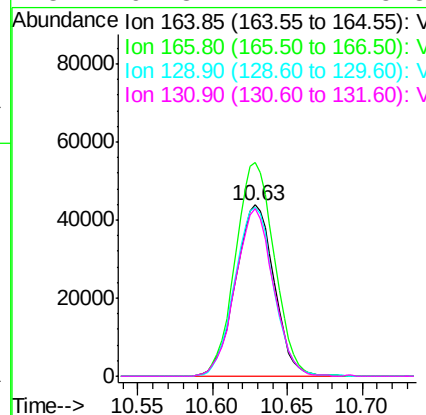
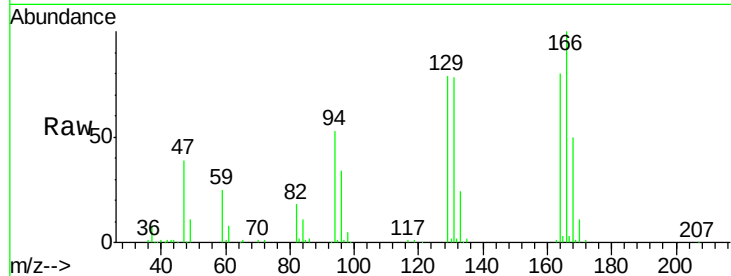
#61  
Tetrachloroethene  
Concen: 19.965 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.9 | 99.6  | 149.4 |
| 129     | 98.8  | 80.9  | 121.3 |
| 131     | 97.8  | 77.2  | 115.8 |

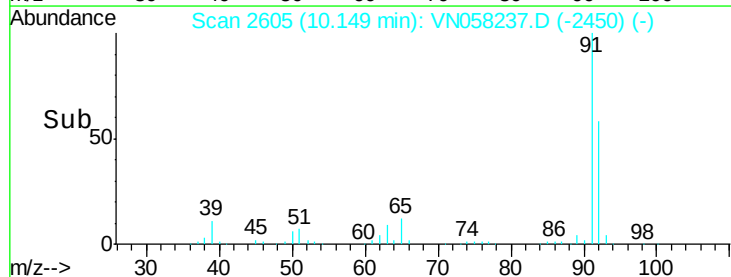
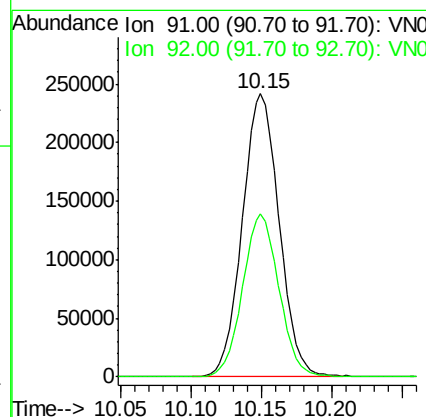
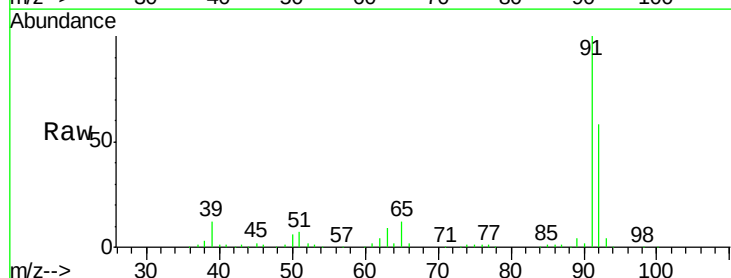
Manual Integrations  
APPROVED

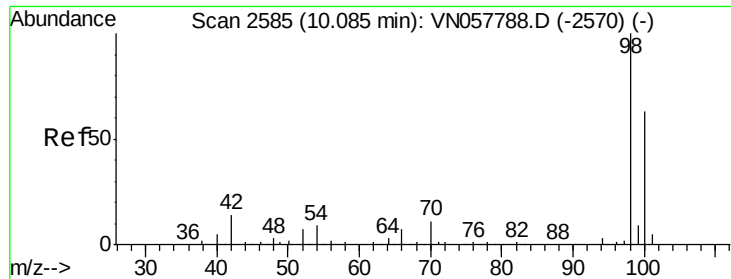
MMDadoda  
9/23/2019 3:29:38 PM



#62  
Toluene  
Concen: 20.520 ug/l  
RT: 10.15 min Scan# 2605  
Delta R.T. -0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 56.9  | 44.9  | 67.3  |





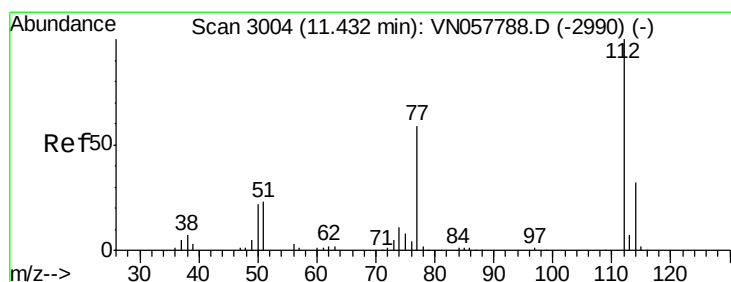
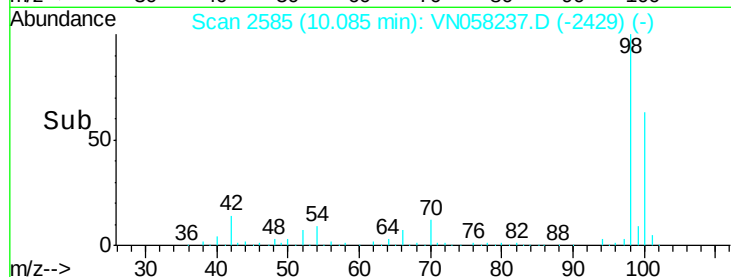
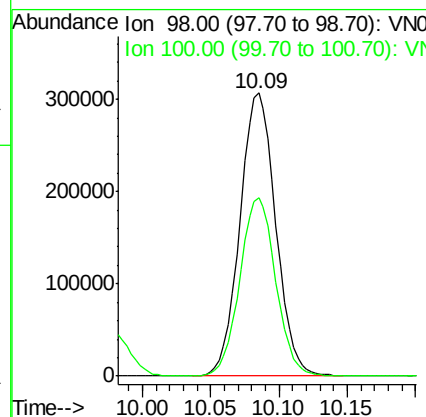
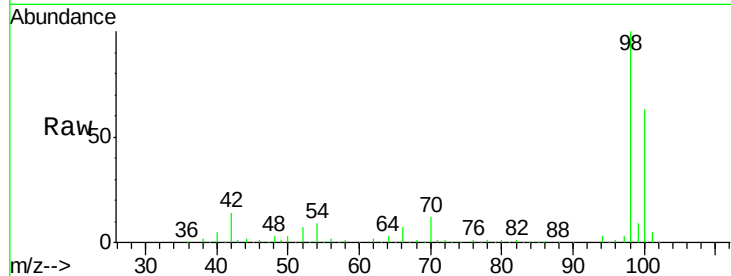
#63  
Toluene-d8  
Concen: 29.926 ug/l  
RT: 10.09 min Scan# 2585  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

Tot Ion: 98 Resp: 559570  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.3 75.5

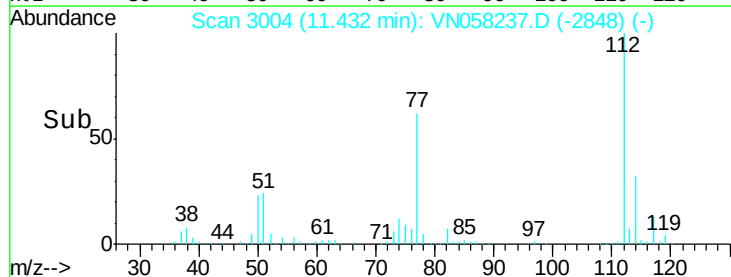
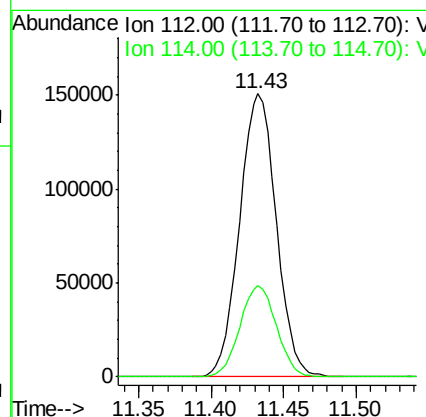
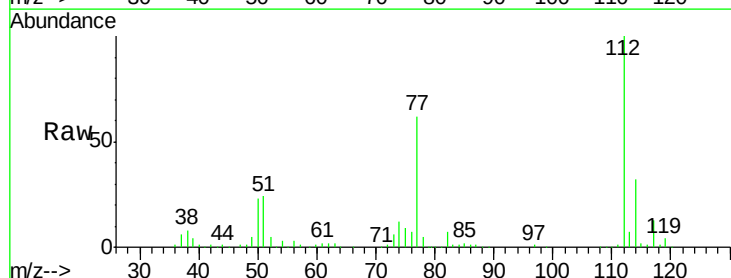
Manual Integrations  
APPROVED

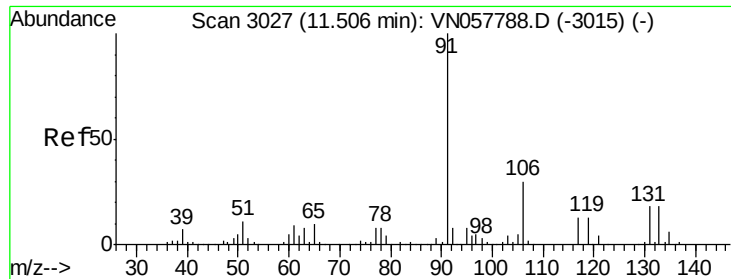
MMDadoda  
9/23/2019 3:29:38 PM



#64  
Chlorobenzene  
Concen: 19.770 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Tgt Ion: 112 Resp: 264547  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 20.522 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

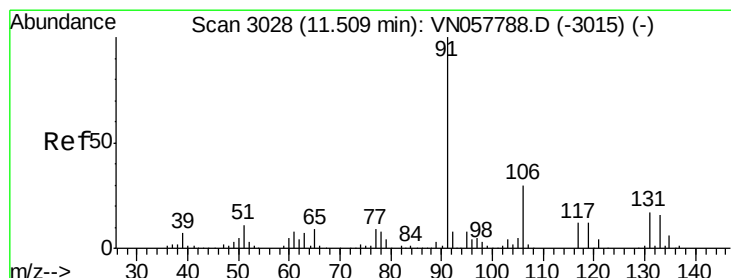
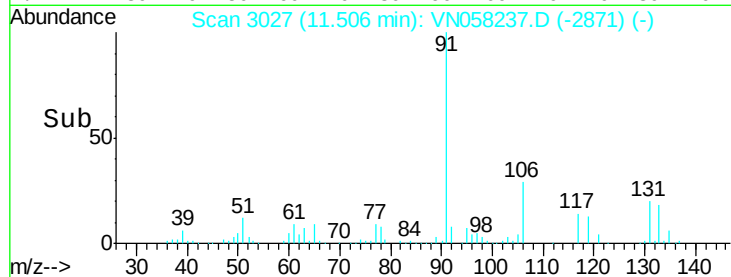
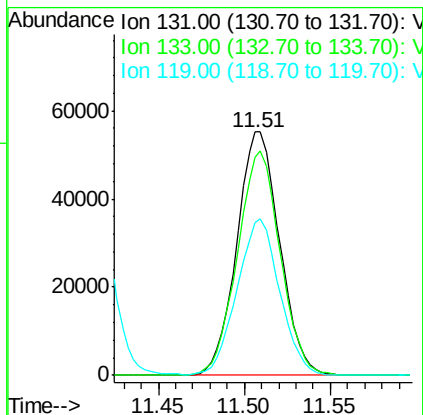
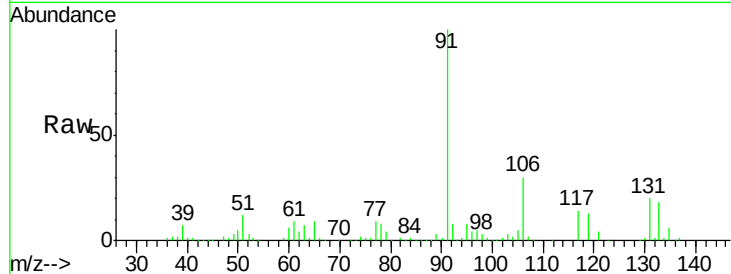
ClientSampleId :

VN0920WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 131     | 100   | 95345 |       |       |
| 133     | 92.2  | 0.0   | 189.2 |       |
| 119     | 64.1  | 0.0   | 136.4 |       |

Manual Integrations  
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#66

Ethyl Benzene

Concen: 20.802 ug/l

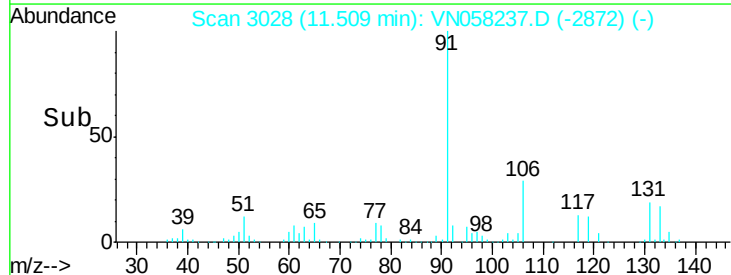
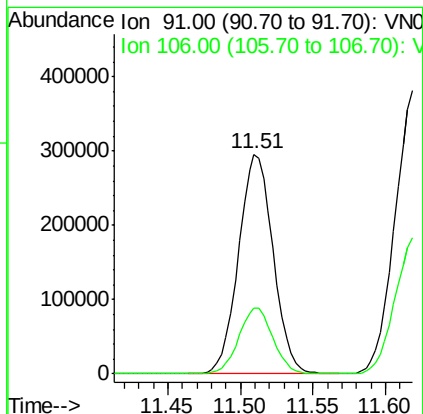
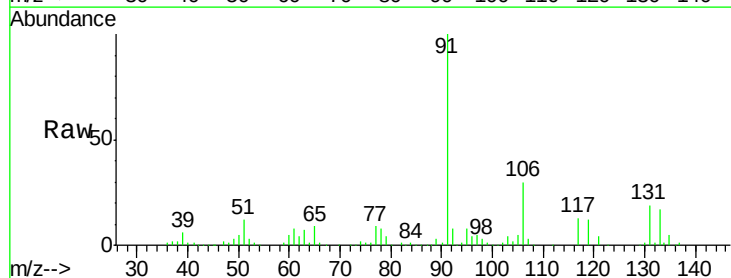
RT: 11.51 min Scan# 3028

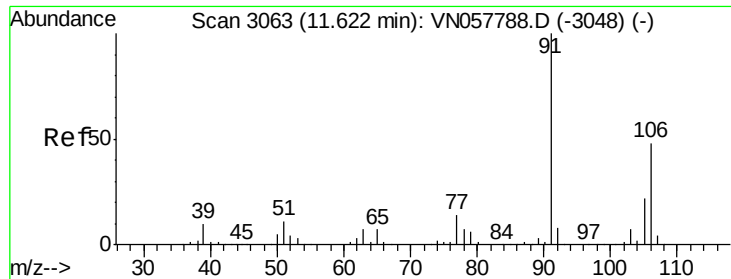
Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 489724 |       |       |
| 106     | 30.1  | 24.0   | 36.0  |       |





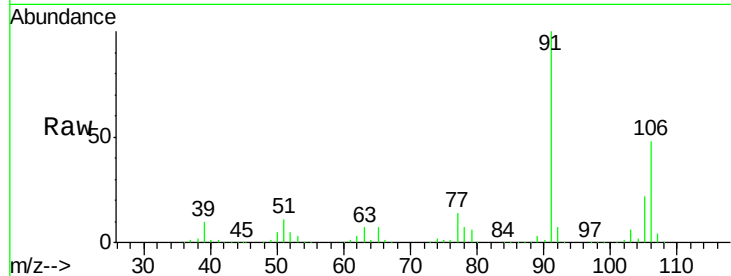
#67  
m/p-Xylenes  
Concen: 40.235 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0920WBS01

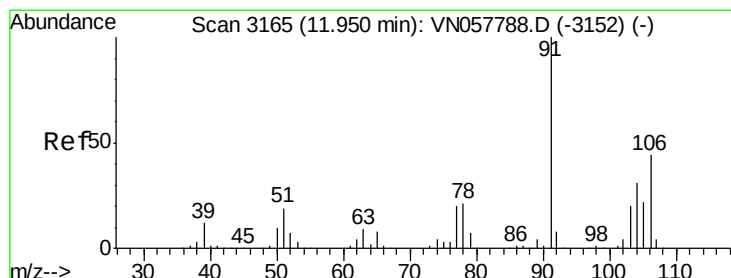
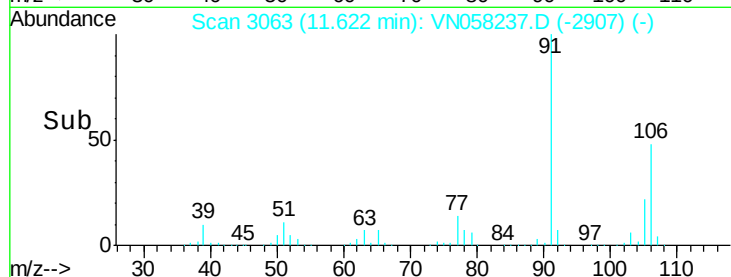
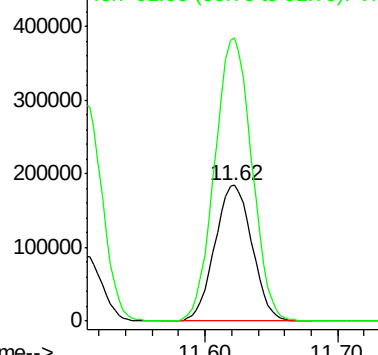
Tot Ion:106 Resp: 361532  
Ion Ratio Lower Upper  
106 100  
91 207.6 166.1 249.1

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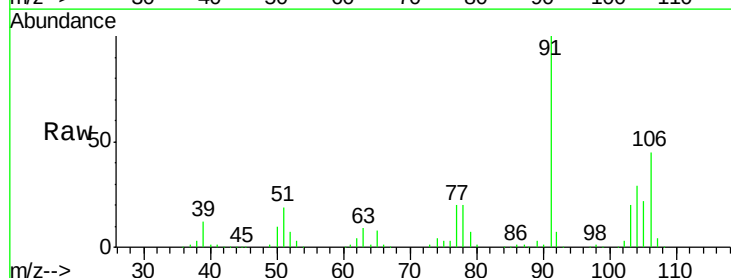


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN0

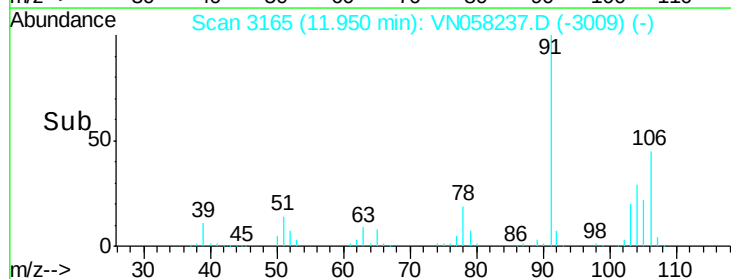
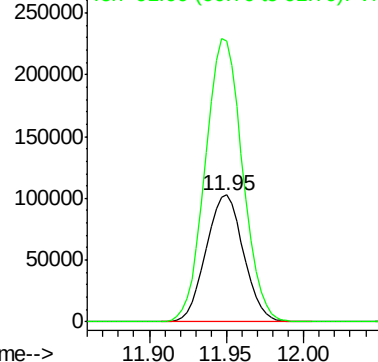


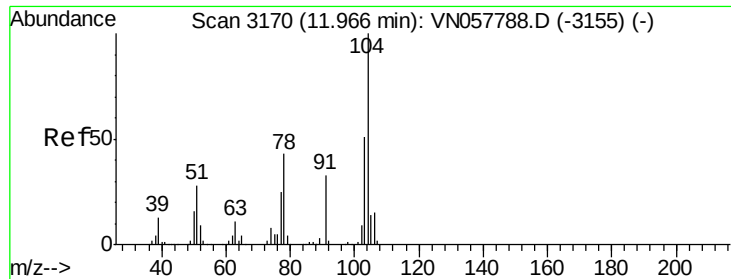
#68  
o-Xylene  
Concen: 19.689 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Tgt Ion:106 Resp: 173317  
Ion Ratio Lower Upper  
106 100  
91 221.3 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN0





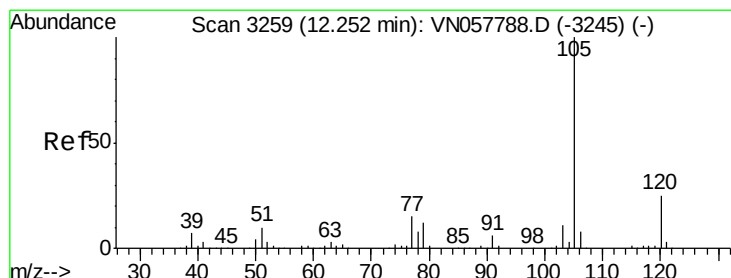
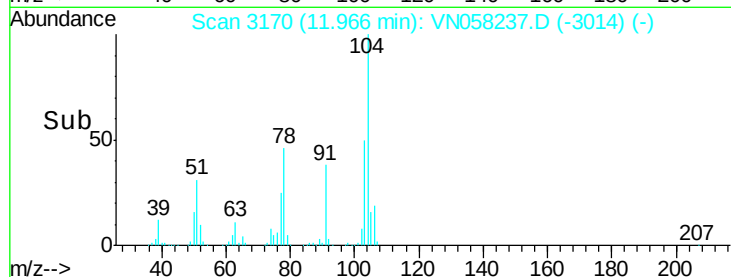
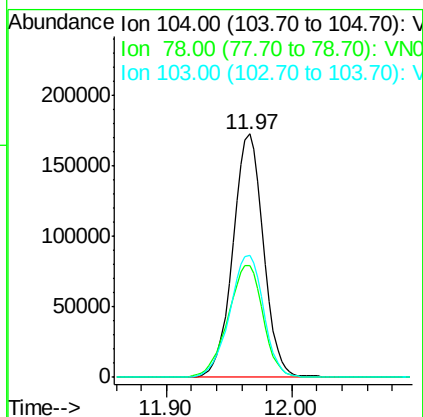
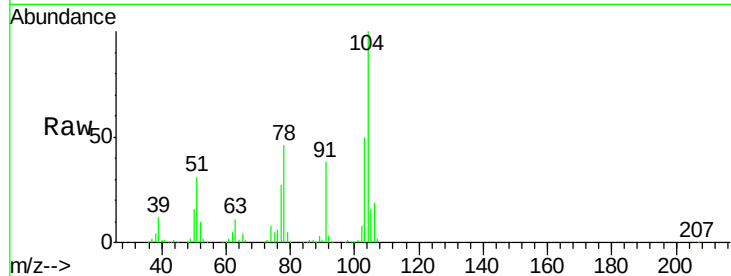
#69  
Stvrene  
Concen: 19.467 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 292167 |       |       |
| 78      | 52.8  |        | 41.5  | 62.3  |
| 103     | 55.6  |        | 44.8  | 67.2  |

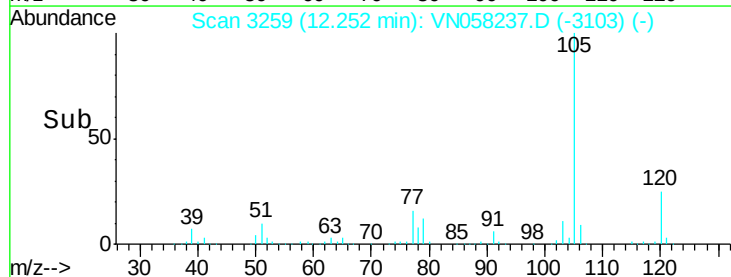
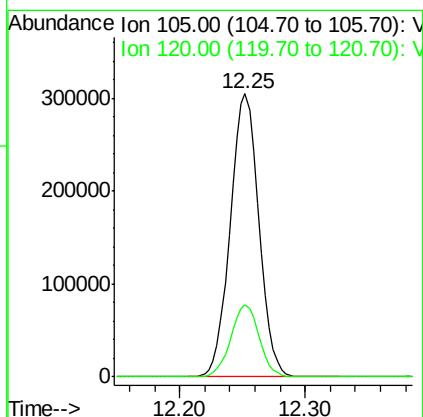
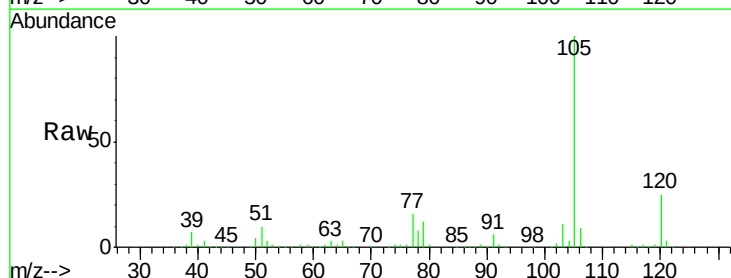
Manual Integrations  
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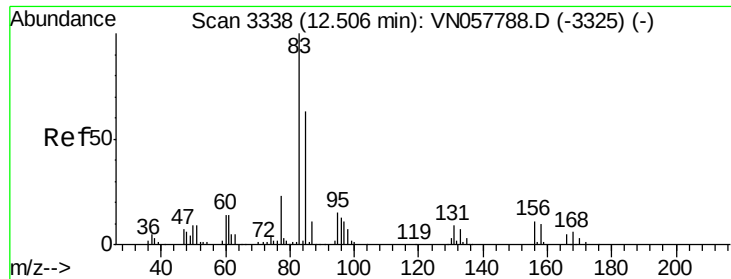


#70  
Isopropylbenzene  
Concen: 20.706 ug/l  
RT: 12.25 min Scan# 3259  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 481879 |       |       |
| 120     | 25.3  |        | 17.6  | 32.6  |







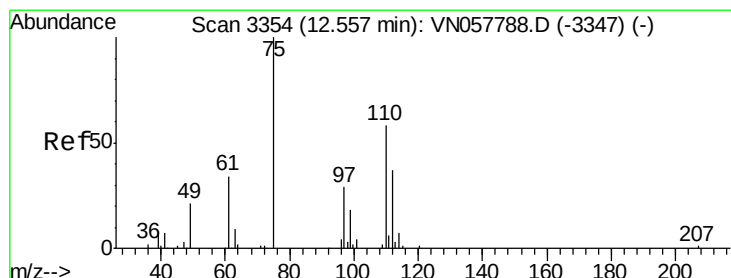
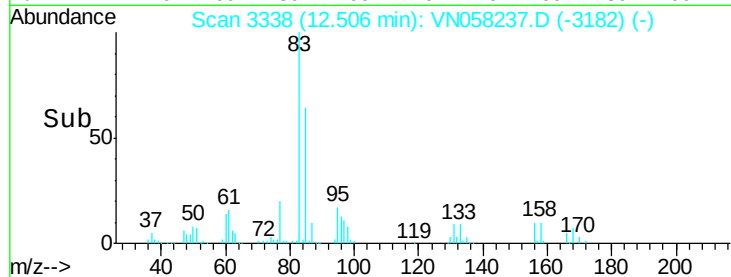
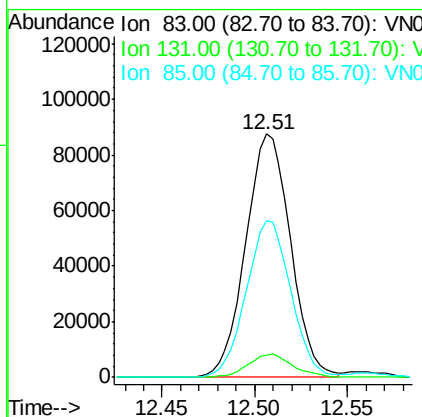
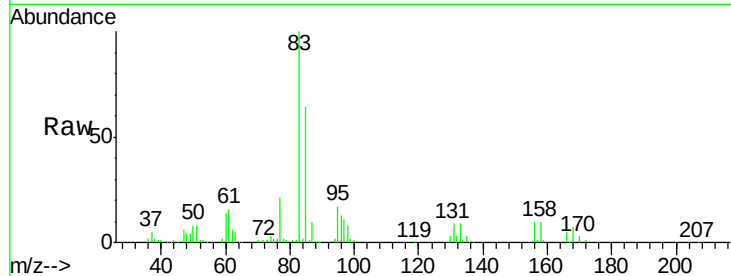
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.234 ug/l  
 RT: 12.51 min Scan# 3338  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 131     | 9.4   | 4.9  | 14.6  |       |
| 85      | 63.9  | 32.1 | 96.3  |       |

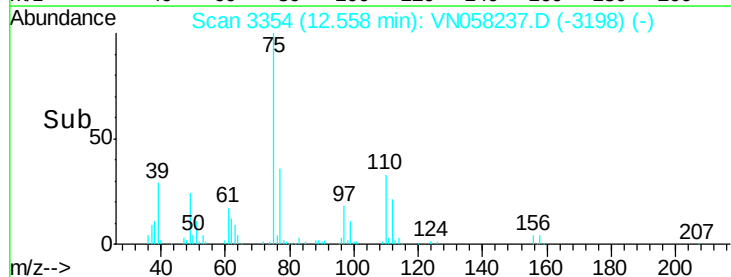
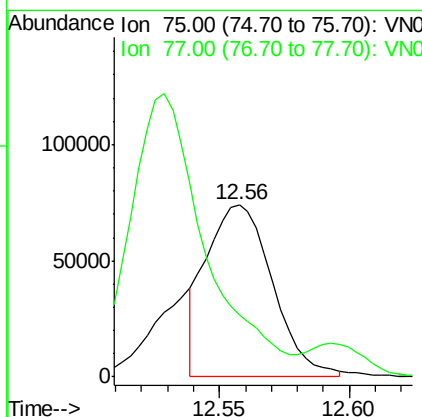
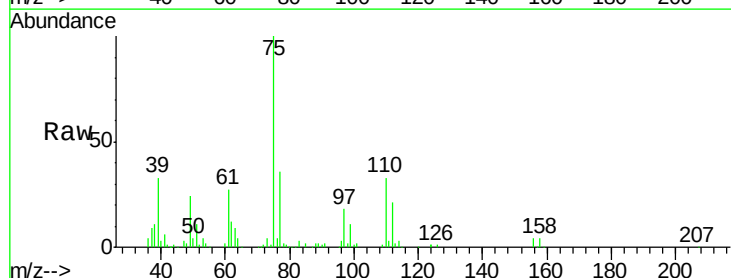
Manual Integrations  
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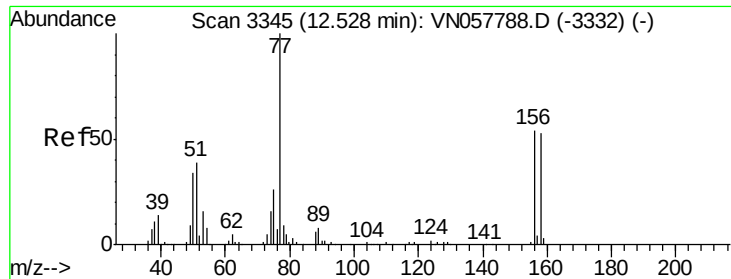
MMDadoda  
 9/23/2019 3:29:38 PM



#72  
 1,2,3-Trichloropropane  
 Concen: 20.368 ug/l m  
 RT: 12.56 min Scan# 3354  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 77      | 187.9 | 0.0  | 351.6 |       |





#73

Bromobenzene

Concen: 19.780 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

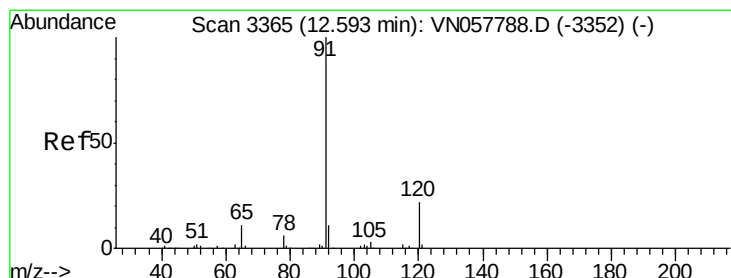
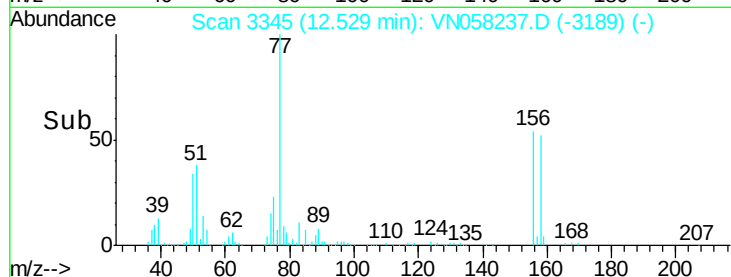
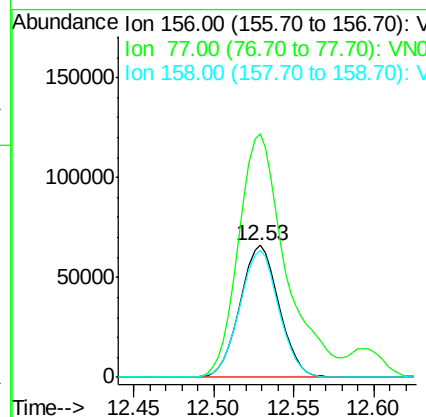
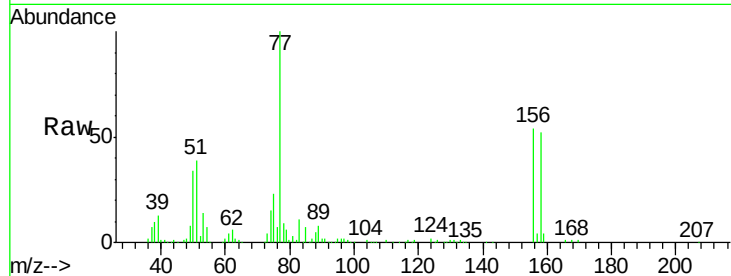
ClientSampleId :

VN0920WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 110203 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 224.2 | 0.0   | 446.6  |
| 158       | 96.0  | 0.0   | 197.2  |

Manual Integrations  
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#74

n-propylbenzene

Concen: 21.056 ug/l

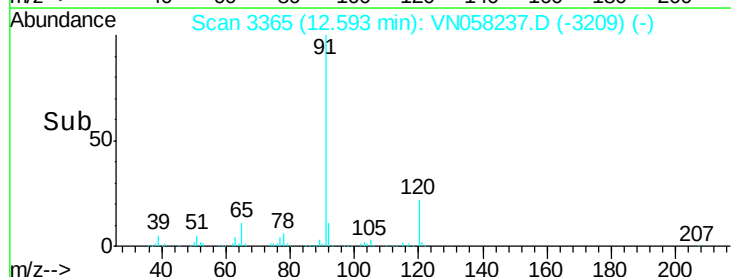
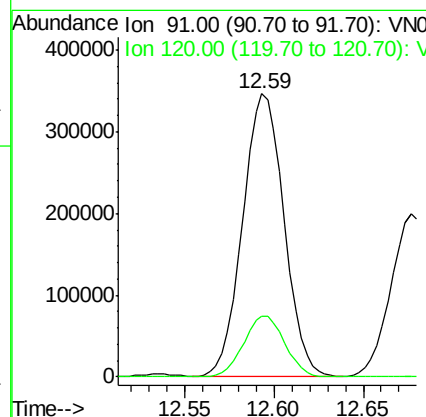
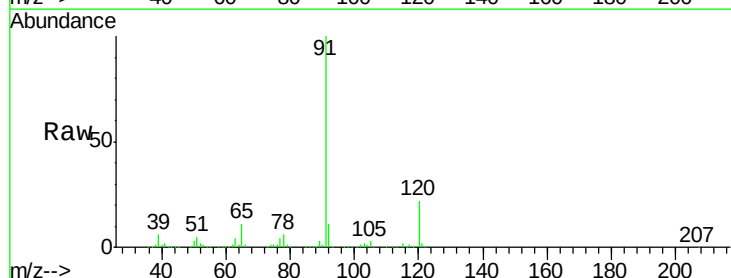
RT: 12.59 min Scan# 3365

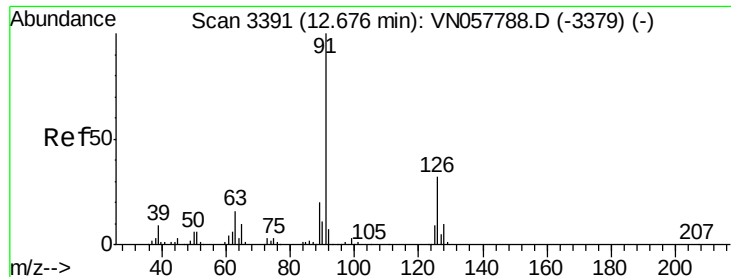
Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 559841 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.5  | 0.0   | 43.4   |





#75

2-Chlorotoluene

Concen: 19.954 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0920WBS01

Tot Ion: 91 Resp: 330460

Ion Ratio Lower Upper

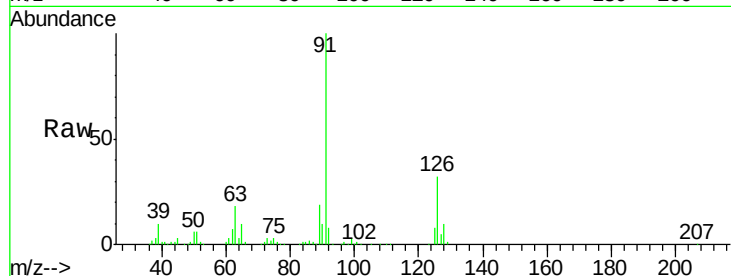
91 100

126 32.6 0.0 64.8

Manual Integrations  
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)

300000

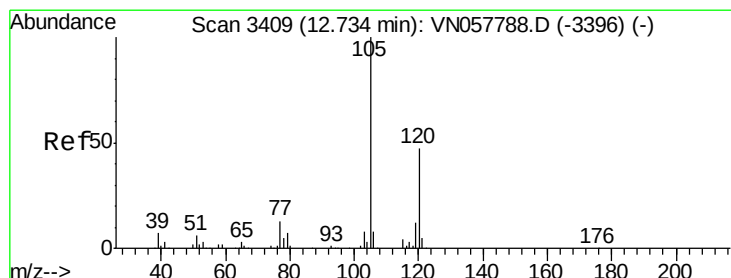
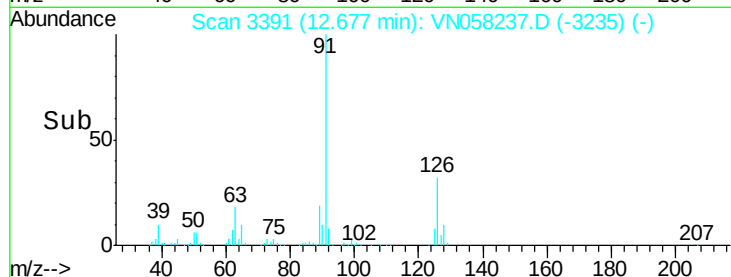
200000

100000

0

12.65 12.68 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.595 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058237.D

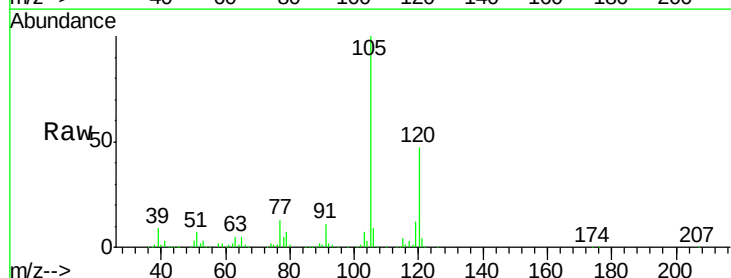
Acq: 20 Sep 2019 10:14

Tgt Ion: 105 Resp: 408125

Ion Ratio Lower Upper

105 100

120 47.1 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)

300000

250000

200000

150000

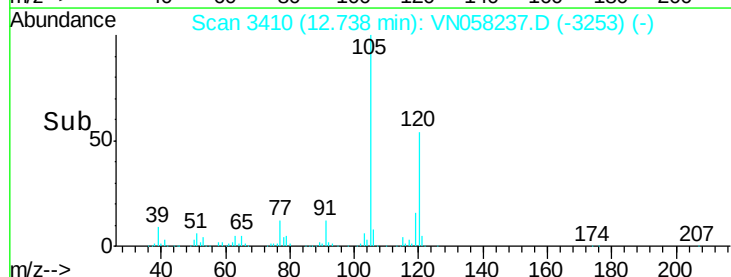
100000

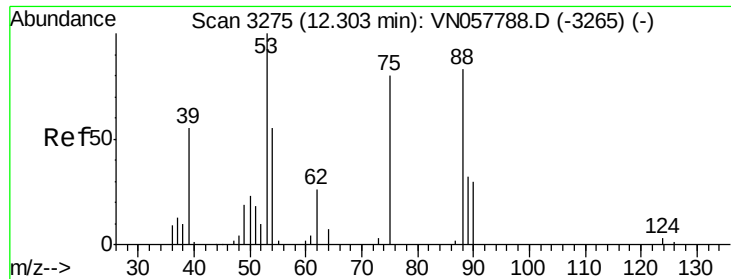
50000

0

12.70 12.74 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.646 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0920WBS01

Tot Ion: 75 Resp: 33794

Ion Ratio Lower Upper

75 100

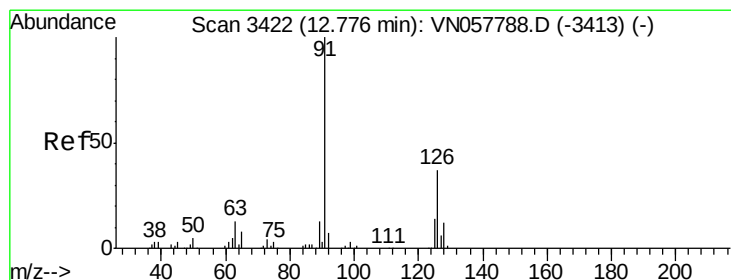
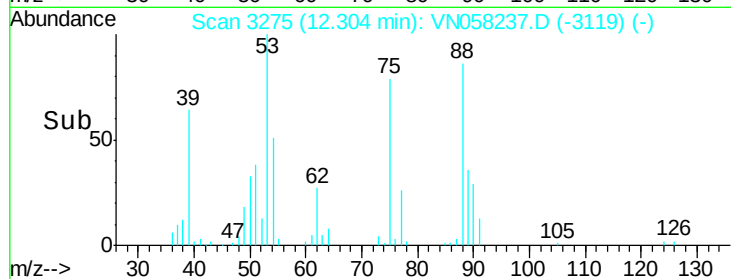
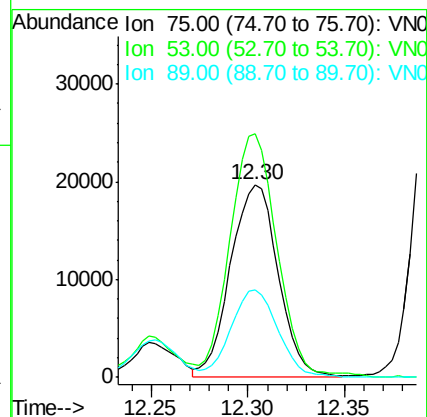
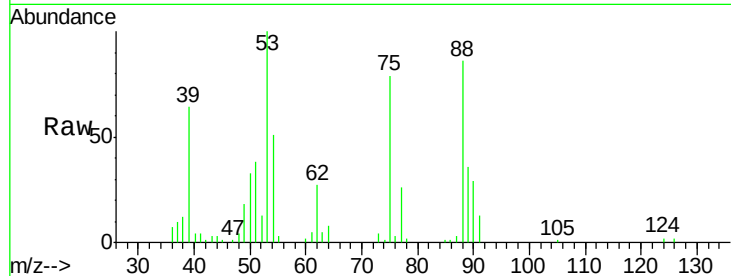
53 124.8 62.7 188.2

89 45.7 22.8 68.3

Manual Integrations  
APPROVED

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#78

4-Chlorotoluene

Concen: 19.948 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058237.D

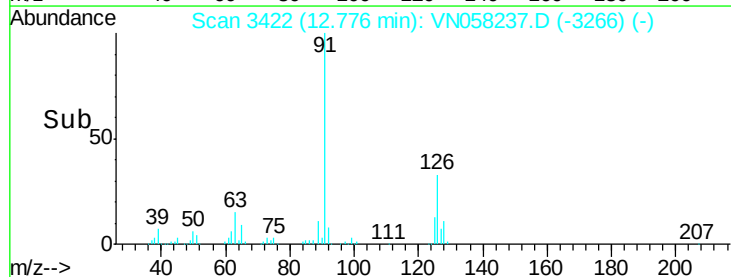
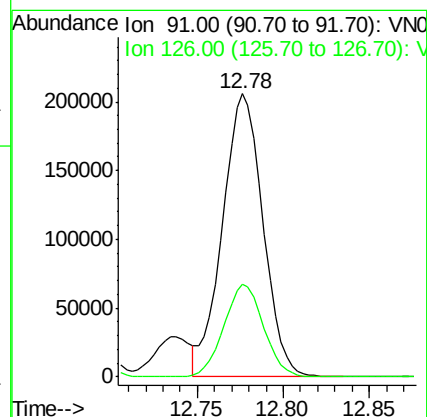
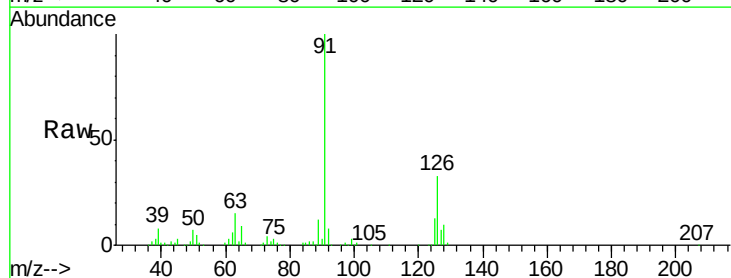
Acq: 20 Sep 2019 10:14

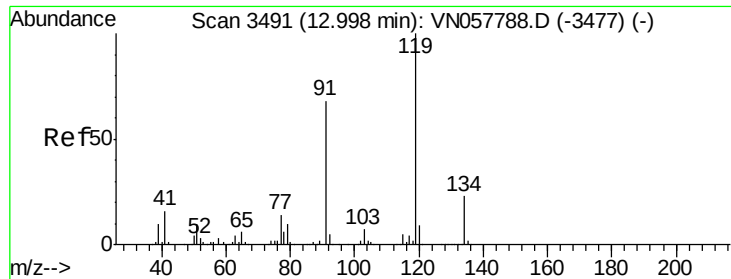
Tgt Ion: 91 Resp: 336971

Ion Ratio Lower Upper

91 100

126 32.3 0.0 65.2





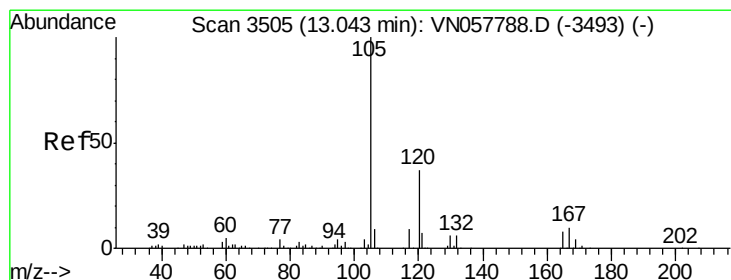
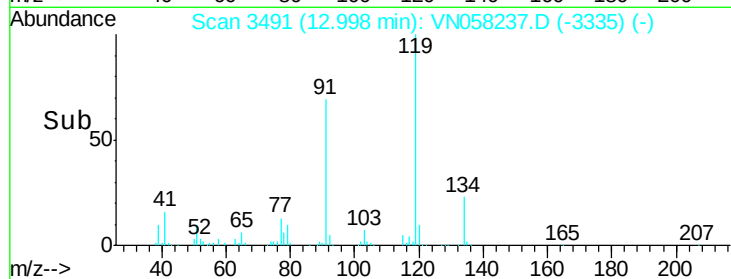
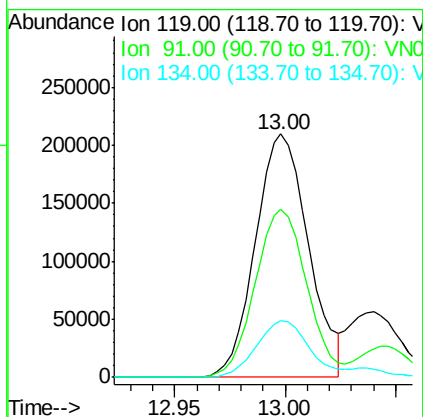
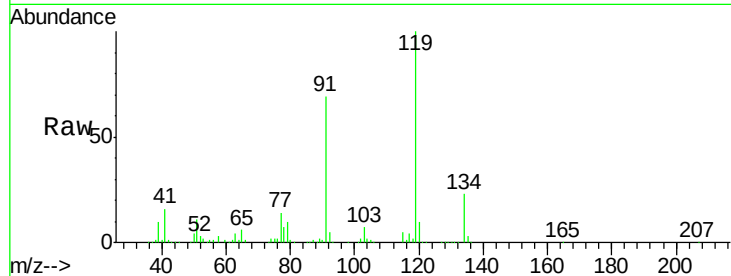
#79  
tert-butylbenzene  
Concen: 20.225 ug/l  
RT: 13.00 min Scan# 3491  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0920WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 349647 |       |       |
| 91      | 67.4  |        | 0.0   | 133.8 |
| 134     | 23.2  |        | 0.0   | 46.4  |

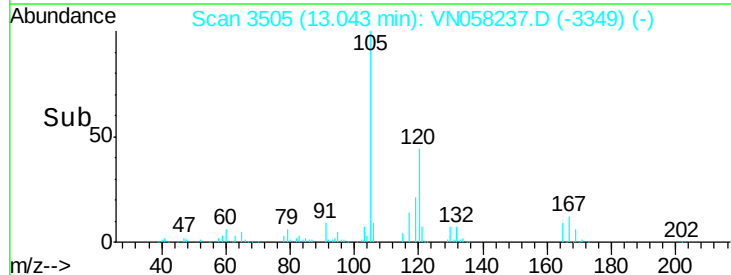
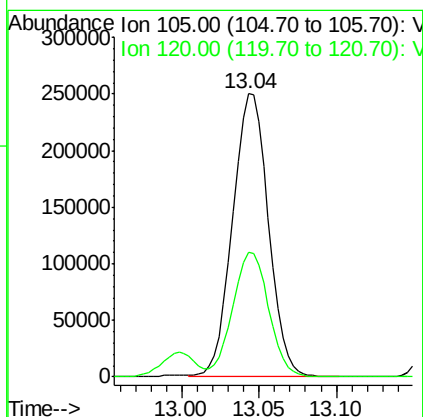
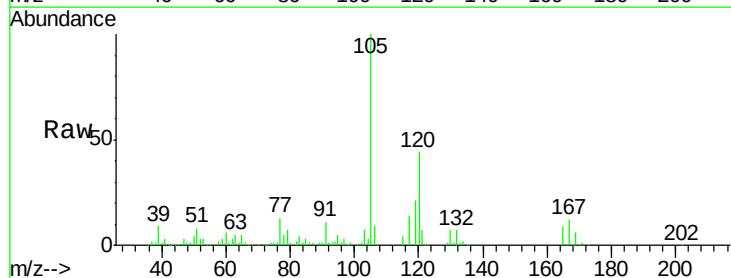
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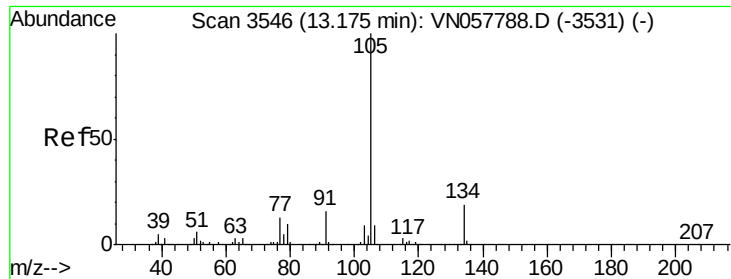
MMDadoda  
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#80  
1,2,4-Trimethylbenzene  
Concen: 20.277 ug/l  
RT: 13.04 min Scan# 3505  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 400372 |       |       |
| 120     | 44.3  |        | 0.0   | 87.8  |





#81

sec-Butylbenzene

Concen: 20.550 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0920WBS01

Tot Ion:105 Resp: 471377

Ion Ratio Lower Upper

105 100

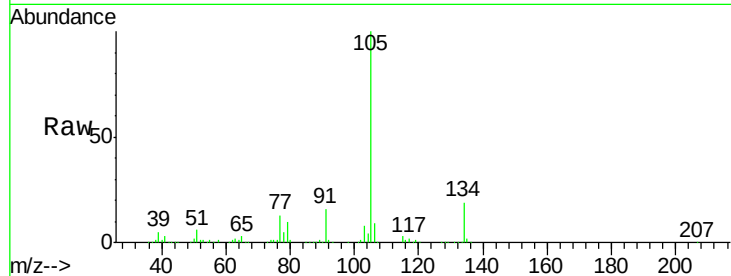
134 19.1 0.0 37.6

Manual Integrations

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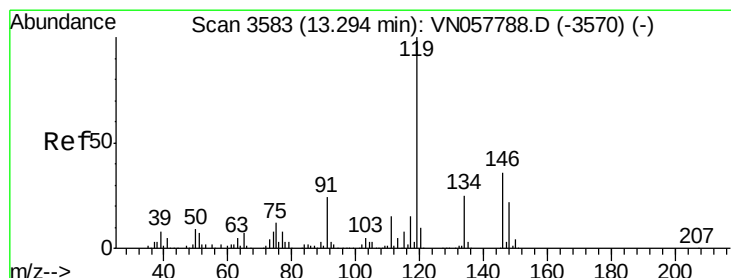
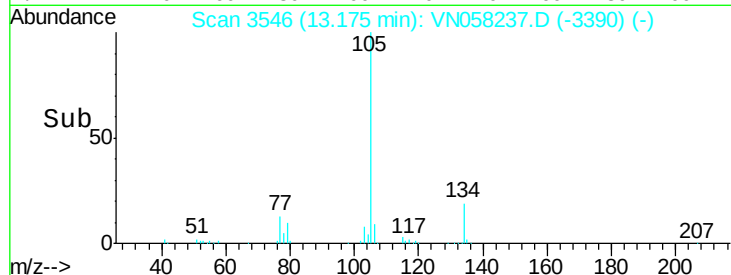
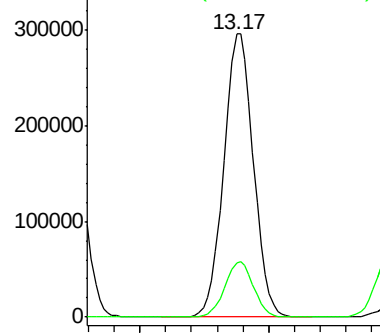
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.372 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

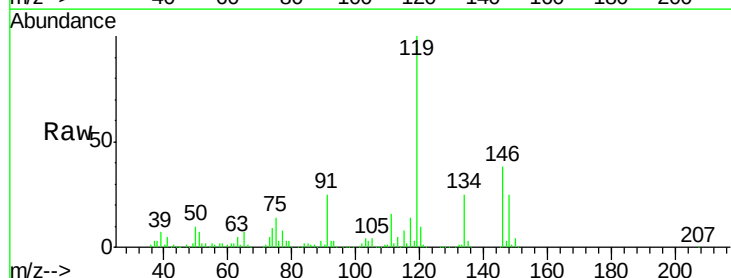
Tgt Ion:119 Resp: 418488

Ion Ratio Lower Upper

119 100

134 25.0 0.0 50.4

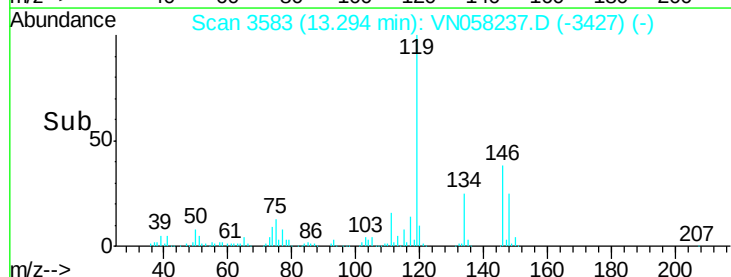
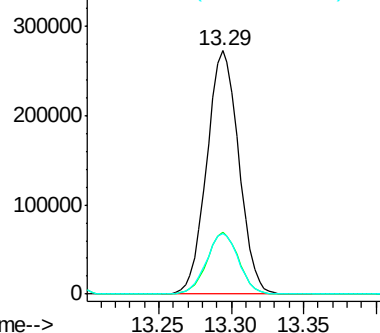
91 25.3 0.0 48.8

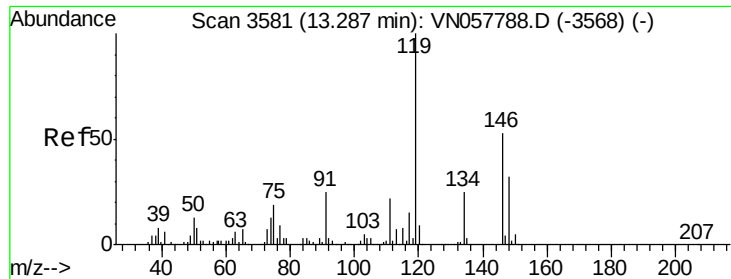


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





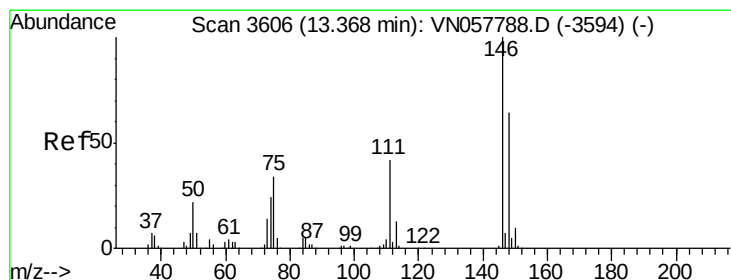
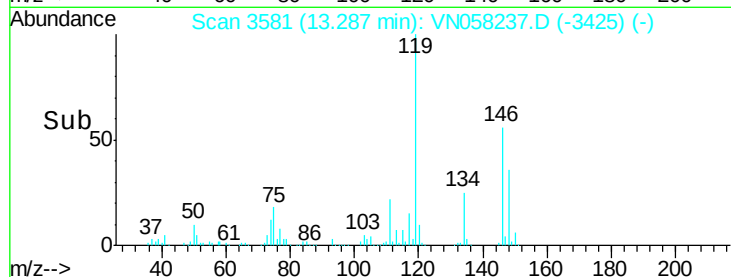
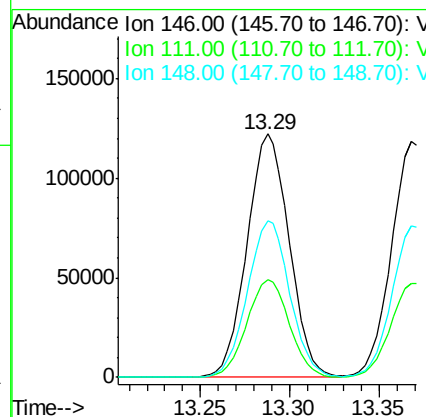
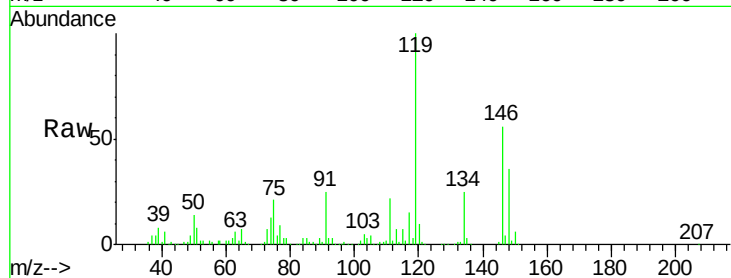
#83  
 1,3-Dichlorobenzene  
 Concen: 19.513 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 20.7  | 62.1  |
| 148     | 64.5  | 30.9  | 92.5  |

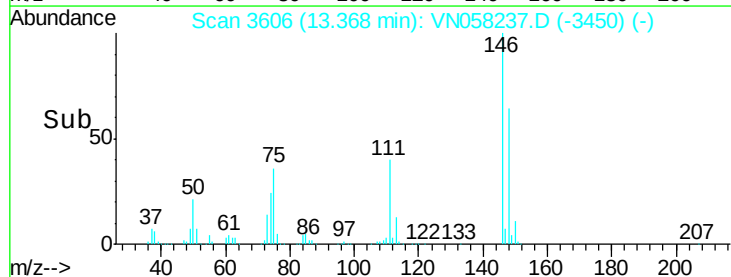
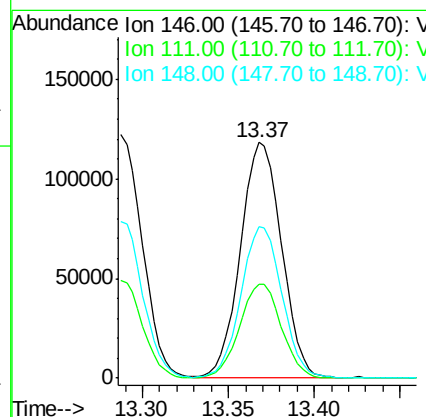
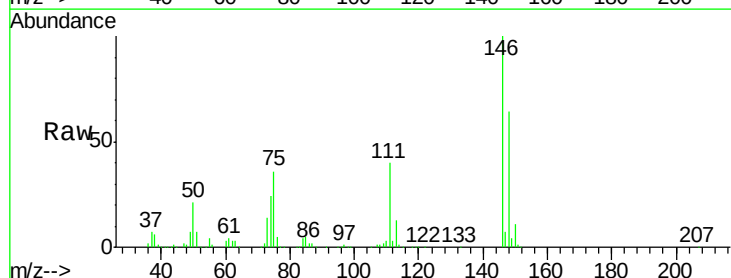
Manual Integrations  
 APPROVED

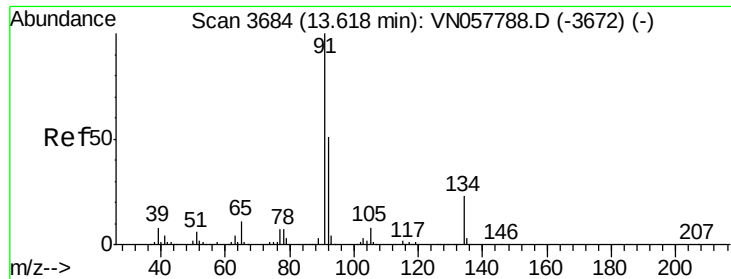
MMDadoda  
 9/23/2019 3:29:38 PM



#84  
 1,4-Dichlorobenzene  
 Concen: 19.338 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.3  | 21.1  | 63.4  |
| 148     | 63.7  | 31.7  | 95.1  |





#85

n-Butylbenzene

Concen: 19.659 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

Instrument :

MSVOA\_N

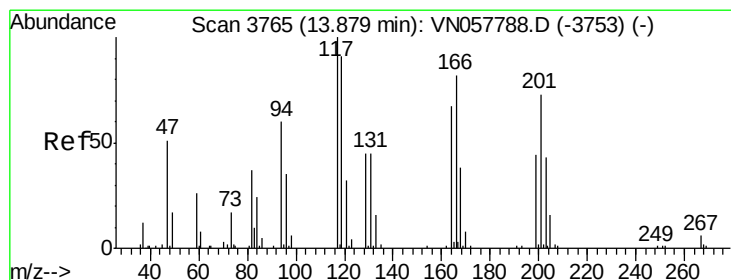
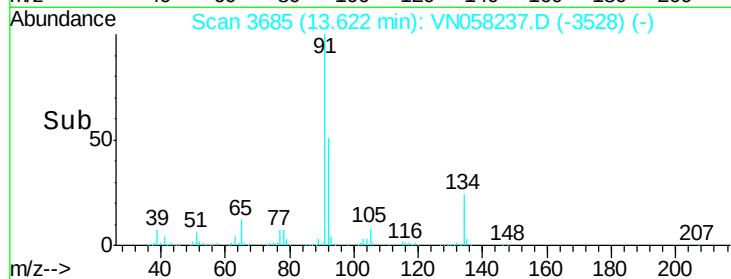
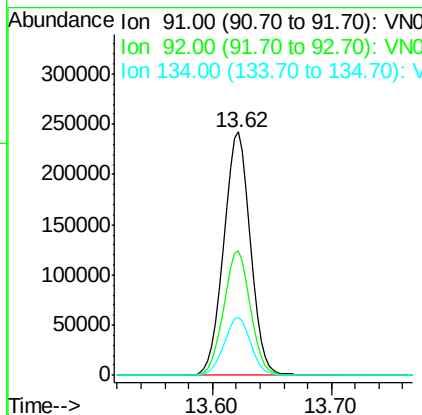
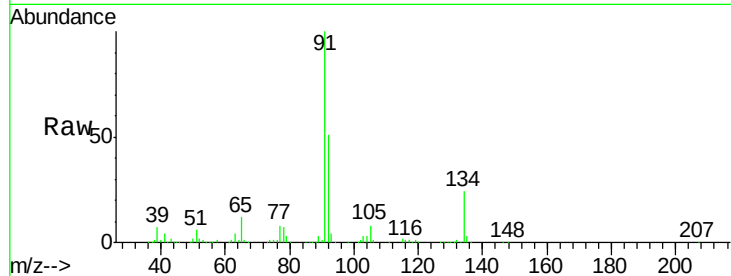
ClientSampleId :

VN0920WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 376361 |       |       |
| 92      | 51.4  | 0.0    | 100.0 |       |
| 134     | 23.6  | 0.0    | 46.6  |       |

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#86

Hexachloroethane

Concen: 18.014 ug/l

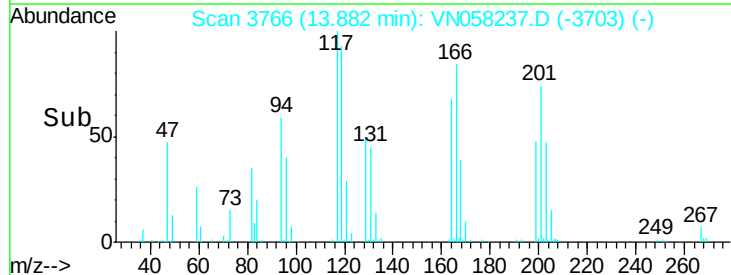
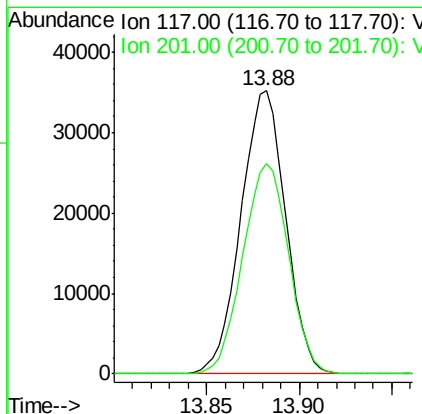
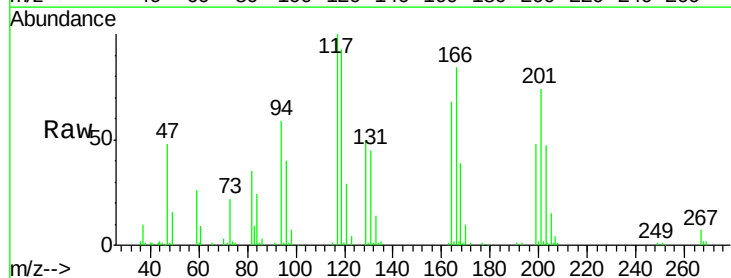
RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

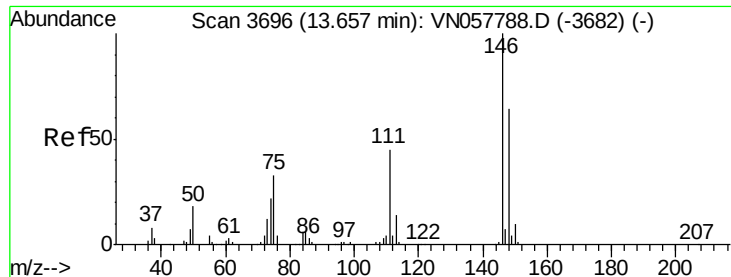
Lab File: VN058237.D

Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 58941 |       |       |
| 201     | 76.0  | 36.7  | 110.1 |       |







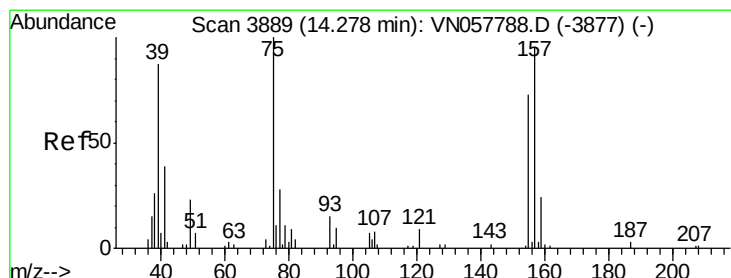
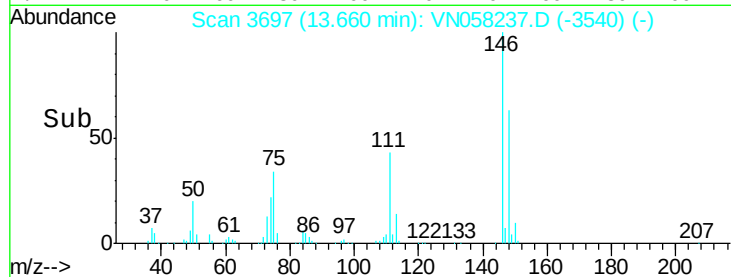
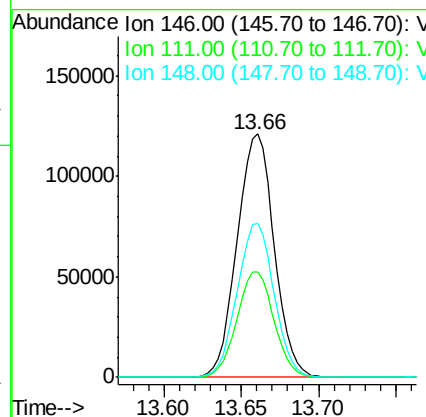
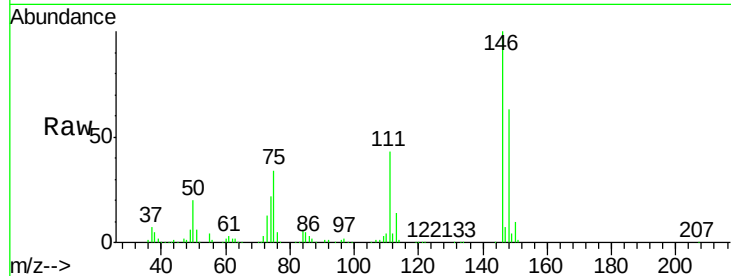
#87  
 1,2-Dichlorobenzene  
 Concen: 20.045 ug/l  
 RT: 13.66 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.3  | 22.2  | 66.6  |
| 148     | 63.1  | 32.1  | 96.3  |

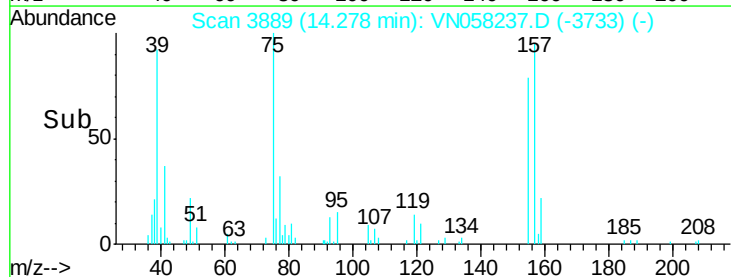
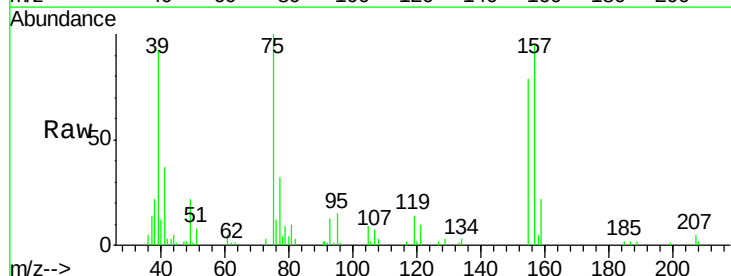
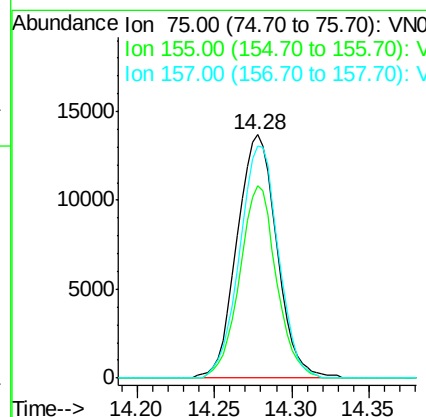
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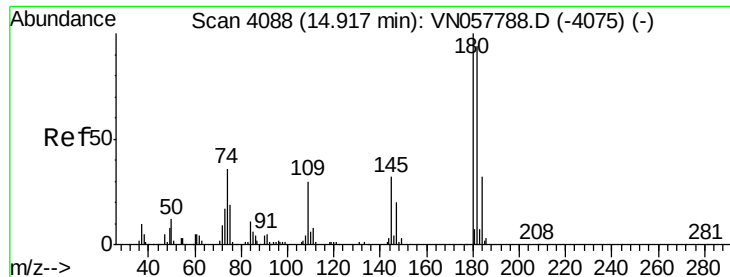
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.158 ug/l  
 RT: 14.28 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 72.7  | 59.4  | 89.2  |
| 157     | 92.7  | 74.6  | 112.0 |





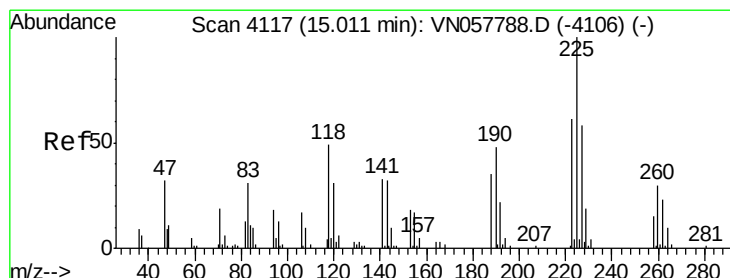
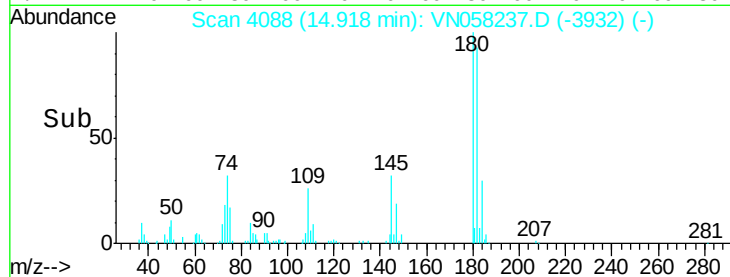
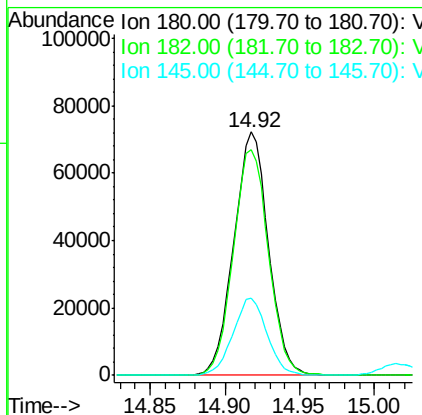
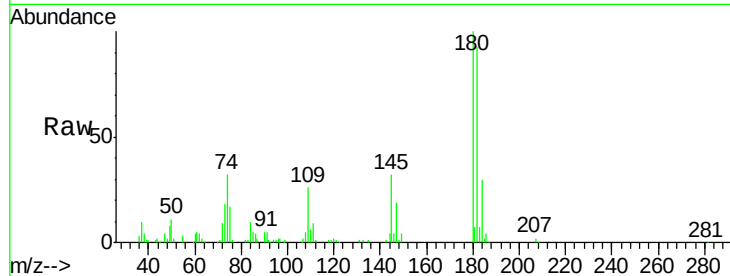
#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.962 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0920WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 116442 |       |       |
| 182     | 94.2  | 77.0   | 115.4 |       |
| 145     | 31.2  | 26.1   | 39.1  |       |

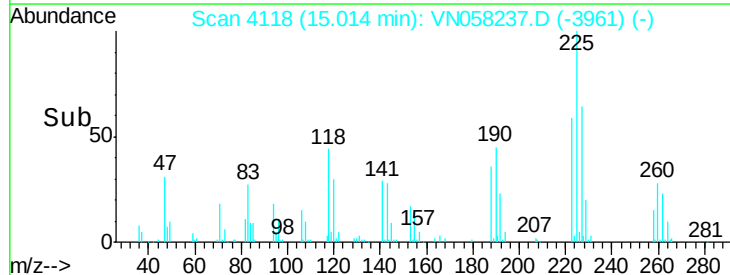
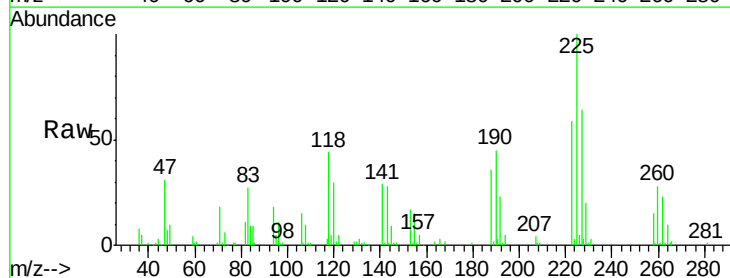
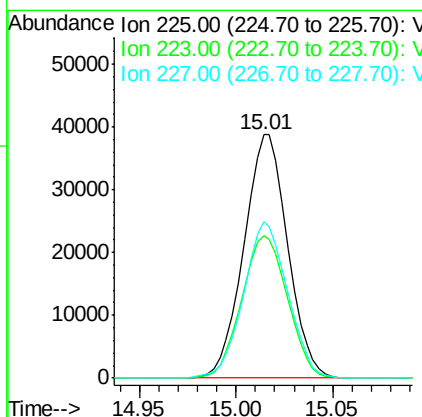
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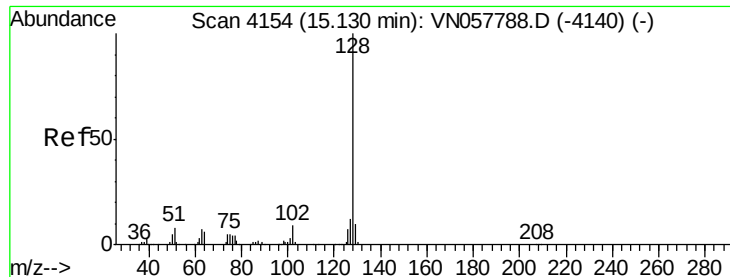
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#90  
 Hexachlorobutadiene  
 Concen: 21.694 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN058237.D  
 Acq: 20 Sep 2019 10:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 61183 |       |       |
| 223     | 60.8  | 0.0   | 125.0 |       |
| 227     | 64.5  | 0.0   | 123.8 |       |





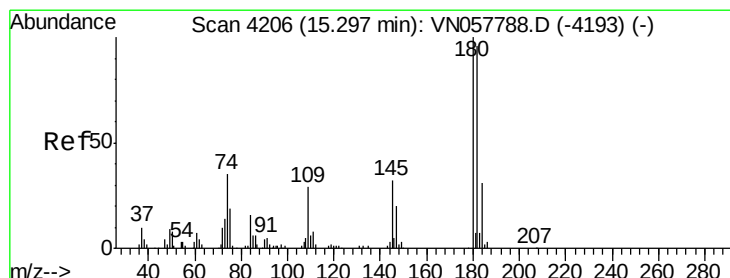
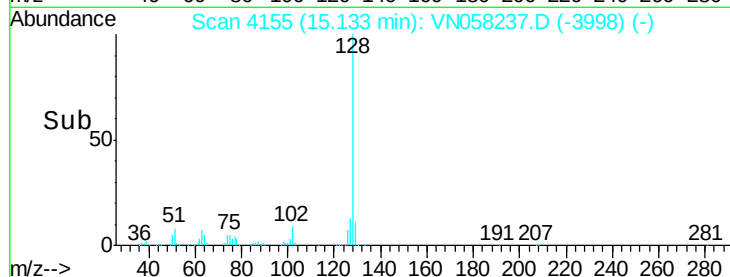
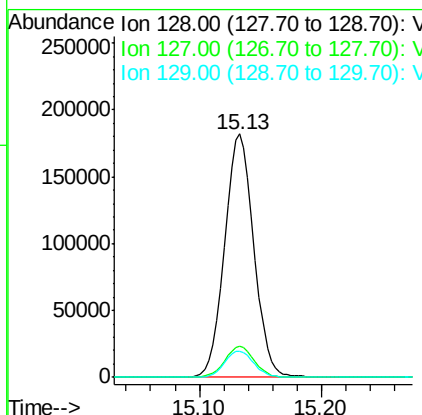
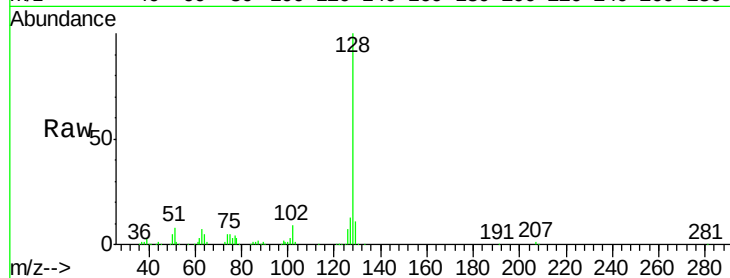
#91  
Naphthalene  
Concen: 18.058 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0920WBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 305124 |       |       |
| 127     | 12.9 | 9.9   | 14.9   |       |       |
| 129     | 10.9 | 8.1   | 12.1   |       |       |

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#92  
1,2,3-Trichlorobenzene  
Concen: 18.545 ug/l  
RT: 15.30 min Scan# 4207  
Delta R.T. 0.00 min  
Lab File: VN058237.D  
Acq: 20 Sep 2019 10:14

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 180     | 100  |       | 108606 |       |       |
| 182     | 97.9 | 0.0   | 189.8  |       |       |
| 145     | 32.0 | 0.0   | 65.0   |       |       |

