

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\  
 Data File : VN056899.D  
 Acq On : 24 Jul 2019 1:30  
 Operator : JC/SP  
 Sample : VN0724WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0724WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 7/25/2019 2:20:30 PM

Quant Time: Jul 24 04:15:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jul 24 03:39:51 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.19  | 128  | 57862    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.58  | 114  | 313381   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 271324   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 114295   | 30.18    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 100.60% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 119482   | 29.38    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.93%  |
| 63) Toluene-d8            | 10.09  | 98    | 388922   | 30.34    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 101.13% |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 71689  | 20.722  | ug/l 97    |
| 3) Chloromethane              | 2.06 | 50  | 89418  | 21.181  | ug/l 98    |
| 4) Vinyl Chloride             | 2.19 | 62  | 84221  | 20.693  | ug/l 97    |
| 5) Bromomethane               | 2.56 | 94  | 51799  | 20.728  | ug/l 99    |
| 6) Chloroethane               | 2.70 | 64  | 47461  | 21.022  | ug/l 99    |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 103556 | 20.893  | ug/l 99    |
| 8) Diethyl Ether              | 3.41 | 74  | 37465  | 20.286  | ug/l 99    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 62829  | 20.184  | ug/l 98    |
| 10) 1,1-Dichloroethene        | 3.73 | 96  | 65698  | 21.268  | ug/l 97    |
| 11) Methyl Iodide             | 3.94 | 142 | 89557  | 19.597  | ug/l 98    |
| 12) Methyl Acetate            | 4.33 | 43  | 68161  | 18.030  | ug/l 97    |
| 13) Acrolein                  | 3.61 | 56  | 38866  | 90.839  | ug/l 97    |
| 14) Acrylonitrile             | 4.99 | 53  | 144243 | 98.934  | ug/l 98    |
| 15) Acetone                   | 3.82 | 58  | 37807  | 100.301 | ug/l 97    |
| 16) Carbon Disulfide          | 4.04 | 76  | 164597 | 19.761  | ug/l 98    |
| 17) Allyl chloride            | 4.32 | 41  | 100383 | 19.420  | ug/l 99    |
| 18) Methylene Chloride        | 4.55 | 84  | 76154  | 21.181  | ug/l 97    |
| 19) trans-1,2-Dichloroethene  | 5.03 | 96  | 67543  | 20.661  | ug/l 97    |
| 20) Diisopropyl ether         | 5.95 | 45  | 218348 | 20.805  | ug/l 98    |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 125877 | 20.638  | ug/l 98    |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 76703  | 20.244  | ug/l 98    |
| 23) tert-Butyl Alcohol        | 4.81 | 59  | 49398  | 101.527 | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 188022 | 20.132  | ug/l 100   |
| 25) Chloroform                | 7.37 | 83  | 123623 | 20.777  | ug/l 97    |
| 26) Cyclohexane               | 7.65 | 56  | 113609 | 20.277  | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 7.79 | 75  | 91161  | 20.499  | ug/l 98    |
| 30) 2-Butanone                | 6.84 | 43  | 173757 | 97.250  | ug/l 99    |
| 31) 2,2-Dichloropropane       | 6.82 | 77  | 70890  | 17.177  | ug/l 97    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 100804 | 20.630  | ug/l 99    |
| 33) Carbon Tetrachloride      | 7.77 | 117 | 87038  | 20.408  | ug/l 98    |
| 34) Benzene                   | 8.04 | 78  | 288638 | 20.599  | ug/l 98    |
| 35) Methacrylonitrile         | 7.18 | 41  | 38116  | 21.362  | ug/l 97    |
| 36) 1,2-Dichloroethane        | 8.12 | 62  | 88453  | 20.305  | ug/l 98    |
| 37) Trichloroethene           | 8.83 | 130 | 76446  | 20.349  | ug/l 95    |
| 38) Methylcyclohexane         | 9.08 | 83  | 110112 | 19.464  | ug/l 98    |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 76311  | 20.402  | ug/l 100   |
| 40) Dibromomethane            | 9.21 | 93  | 47197  | 20.570  | ug/l 99    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\  
 Data File : VN056899.D  
 Acq On : 24 Jul 2019 1:30  
 Operator : JC/SP  
 Sample : VN0724WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0724WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 7/25/2019 2:20:30 PM

Quant Time: Jul 24 04:15:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jul 24 03:39:51 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 41) Bromodichloromethane       | 9.40  | 83   | 88710    | 20.120  | ug/l   | 99       |
| 42) Vinyl Acetate              | 5.90  | 43   | 793959   | 99.784  | ug/l   | 100      |
| 43) Ethyl Acetate              | 6.93  | 43   | 72959    | 19.919  | ug/l   | 98       |
| 44) Isopropyl Acetate          | 8.17  | 43   | 121682   | 19.930  | ug/l # | 86       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 23429    | 403.089 | ug/l   | 96       |
| 46) Methyl methacrylate        | 9.20  | 41   | 59199    | 19.436  | ug/l   | 98       |
| 47) n-amyl Acetate             | 12.07 | 43   | 93227    | 19.075  | ug/l   | 100      |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 86207    | 18.789  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 101569   | 18.997  | ug/l   | 97       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 69426    | 21.074  | ug/l   | 98       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 94343    | 19.799  | ug/l   | 98       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 113972   | 20.499  | ug/l   | 99       |
| 53) Dibromochloromethane       | 10.90 | 129  | 67602    | 19.742  | ug/l   | 100      |
| 54) 1,2-Dibromoethane          | 11.00 | 107  | 67799    | 20.173  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether  | 9.69  | 63   | 190012   | 92.074  | ug/l   | 100      |
| 56) Bromoform                  | 12.12 | 173  | 45401    | 19.162  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone       | 9.98  | 43   | 366778   | 100.734 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 248032   | 99.969  | ug/l   | 100      |
| 61) Tetrachloroethene          | 10.63 | 164  | 80913    | 21.278  | ug/l   | 98       |
| 62) Toluene                    | 10.15 | 91   | 306591   | 20.777  | ug/l   | 99       |
| 64) Chlorobenzene              | 11.43 | 112  | 183509   | 20.645  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 68502    | 20.347  | ug/l   | 98       |
| 66) Ethyl Benzene              | 11.51 | 91   | 320409   | 20.605  | ug/l   | 100      |
| 67) m/p-Xylenes                | 11.62 | 106  | 238130   | 41.067  | ug/l   | 99       |
| 68) o-Xylene                   | 11.94 | 106  | 116848   | 20.496  | ug/l   | 100      |
| 69) Styrene                    | 11.96 | 104  | 185818   | 20.113  | ug/l   | 99       |
| 70) Isopropylbenzene           | 12.25 | 105  | 309287   | 20.604  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 86874    | 20.662  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 73947m   | 19.989  | ug/l   |          |
| 73) Bromobenzene               | 12.52 | 156  | 76857    | 19.841  | ug/l   | 100      |
| 74) n-propylbenzene            | 12.59 | 91   | 328761   | 20.030  | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.67 | 91   | 204105   | 20.511  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 259510   | 20.535  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 19161    | 16.497  | ug/l   | 98       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 186141   | 19.678  | ug/l   | 99       |
| 79) tert-butylbenzene          | 12.99 | 119  | 223236   | 20.471  | ug/l   | 100      |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 252418   | 20.489  | ug/l   | 99       |
| 81) sec-Butylbenzene           | 13.17 | 105  | 284271   | 19.967  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 253482   | 19.824  | ug/l   | 100      |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 120399   | 19.741  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 109900   | 19.058  | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.61 | 91   | 183449   | 18.271  | ug/l   | 97       |
| 86) Hexachloroethane           | 13.87 | 117  | 43067    | 20.126  | ug/l   | 98       |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 121065   | 19.985  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 12079    | 18.570  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene     | 14.90 | 180  | 45287    | 18.871  | ug/l   | 96       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 44191    | 19.846  | ug/l   | 98       |
| 91) Naphthalene                | 15.13 | 128  | 113590   | 18.284  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 53727    | 16.776  | ug/l   | 98       |
| -----                          |       |      |          |         |        |          |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072419\  
Data File : VN056899.D  
Acq On : 24 Jul 2019 1:30  
Operator : JC/SP  
Sample : VN0724WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

Manual Integrations  
APPROVED

MMDadoda  
7/25/2019 2:20:30 PM

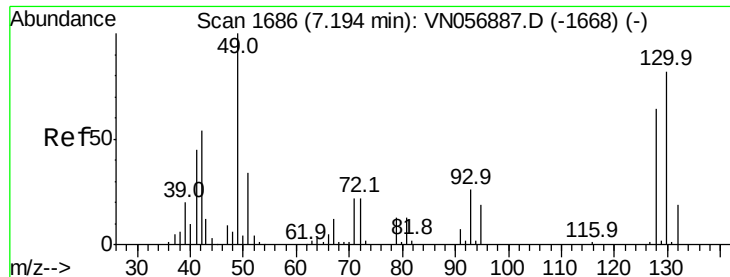
Quant Time: Jul 24 04:15:37 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Jul 24 03:39:51 2019  
Response via : Initial Calibration

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

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0724WBSD01

Tot Ion:128 Resp: 57862

Ion Ratio Lower Upper

128 100

49 157.5 0.0 385.8

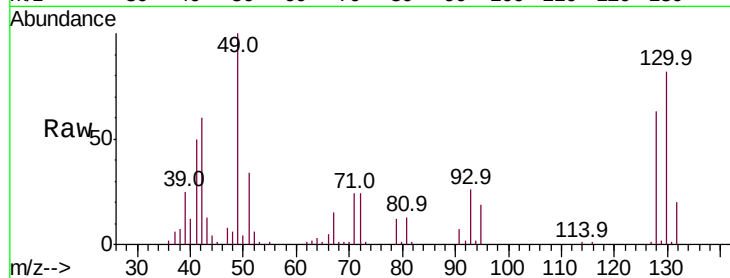
130 128.8 0.0 322.5

Manual Integrations

APPROVED

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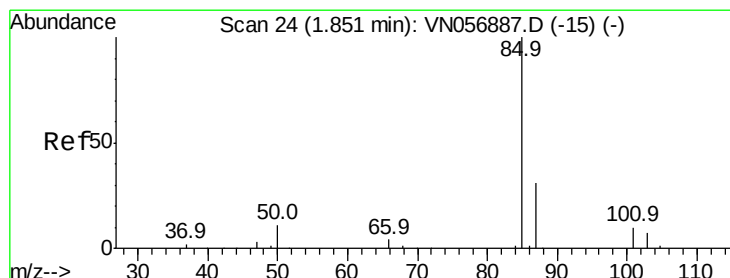
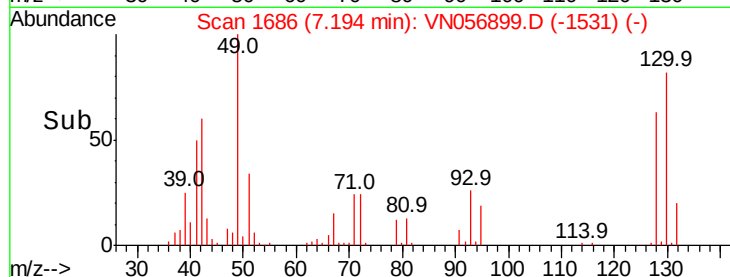
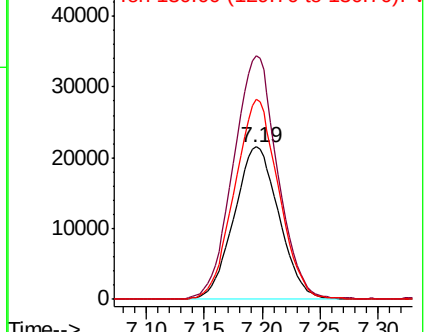
7/25/2019 2:20:30 PM



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: 20.722 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056899.D

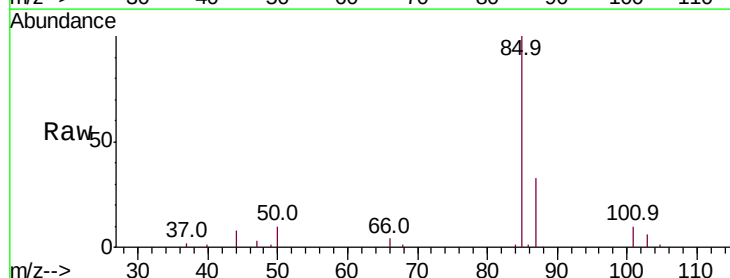
Acq: 24 Jul 2019 1:30

Tgt Ion: 85 Resp: 71689

Ion Ratio Lower Upper

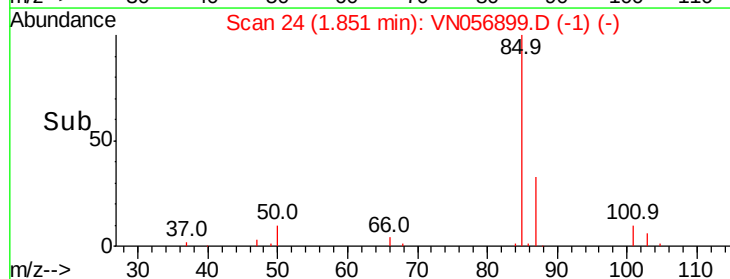
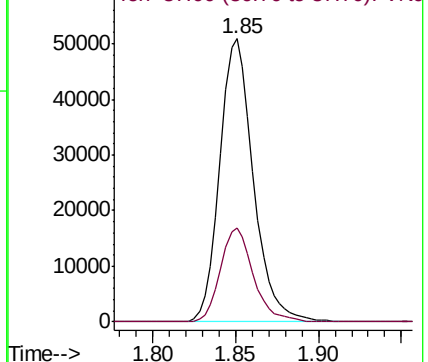
85 100

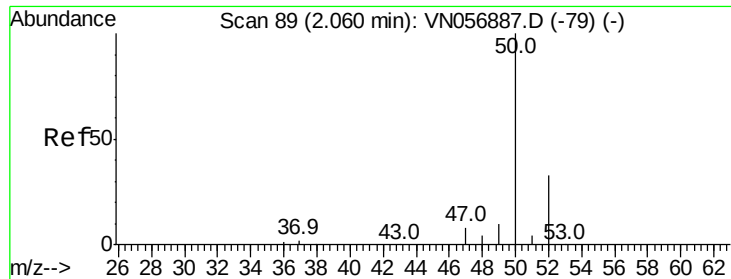
87 33.0 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.181 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 50 Resp: 89418

Ion Ratio Lower Upper

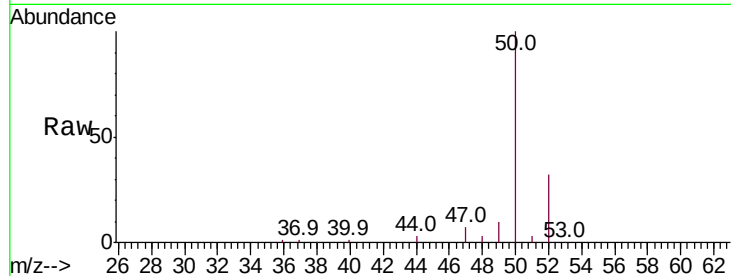
50 100

52 31.6 26.2 39.2

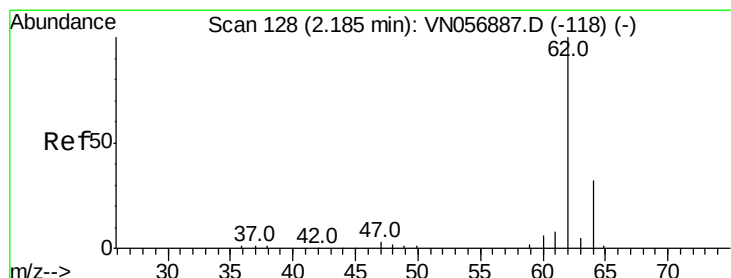
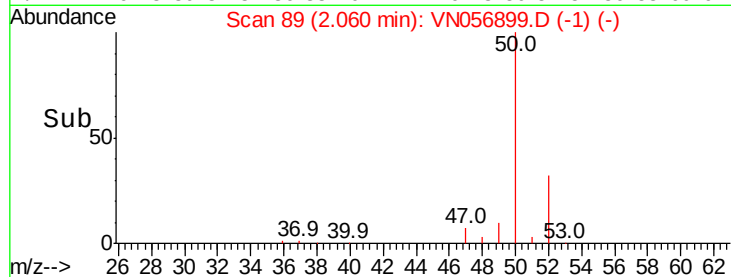
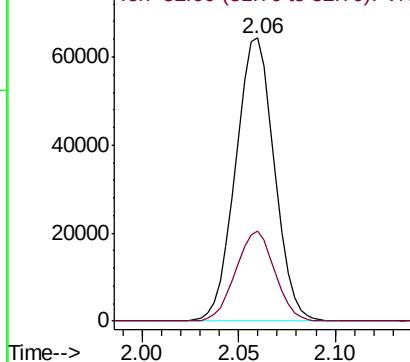
Manual Integrations  
APPROVED

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7/25/2019 2:20:30 PM



Abundance Ion 50.00 (49.70 to 50.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.693 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056899.D

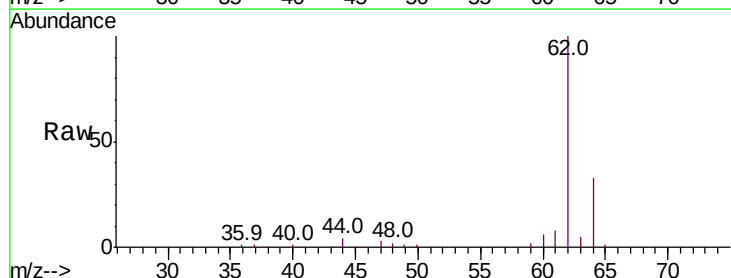
Acq: 24 Jul 2019 1:30

Tgt Ion: 62 Resp: 84221

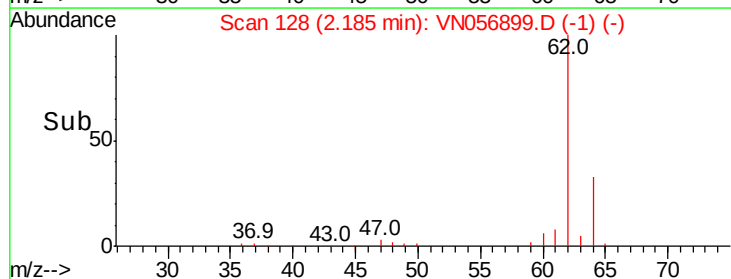
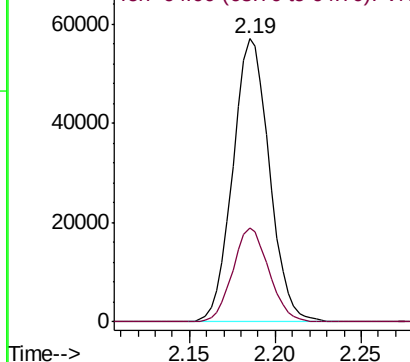
Ion Ratio Lower Upper

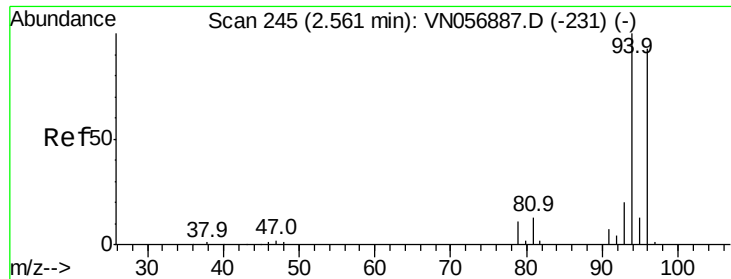
62 100

64 33.2 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNO  
Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 20.728 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 94 Resp: 51799

Ion Ratio Lower Upper

94 100

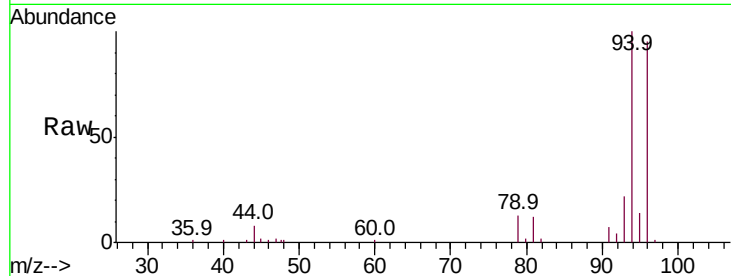
96 94.6 74.7 112.1

Manual Integrations

APPROVED

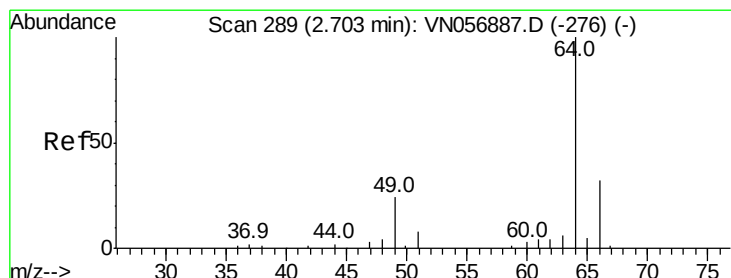
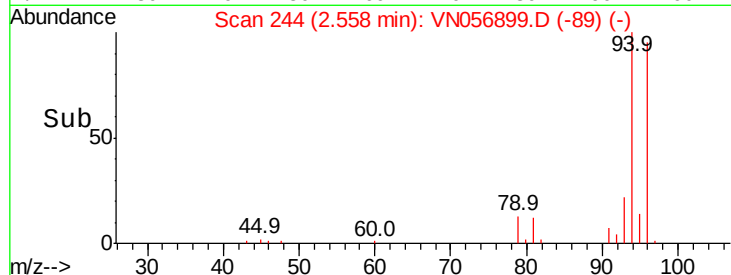
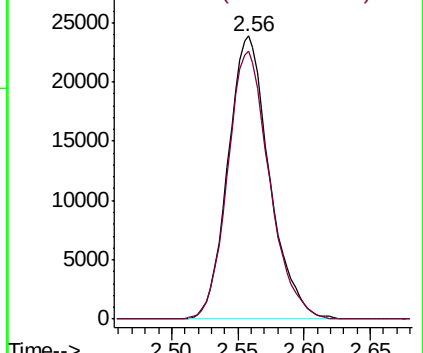
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.022 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN056899.D

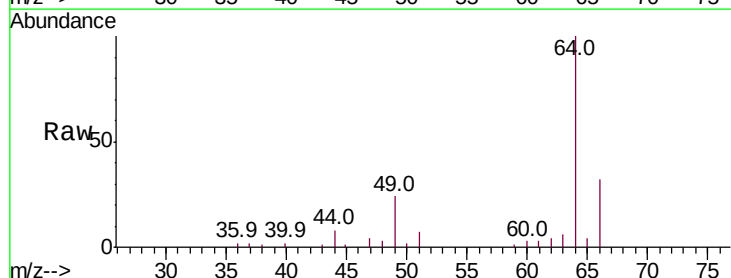
Acq: 24 Jul 2019 1:30

Tgt Ion: 64 Resp: 47461

Ion Ratio Lower Upper

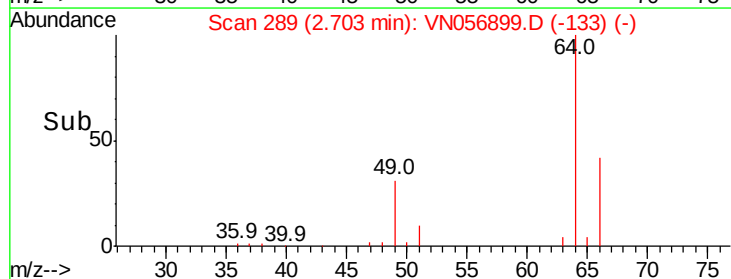
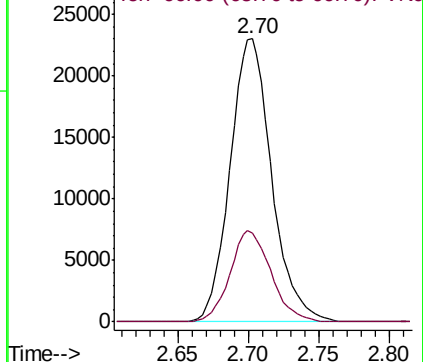
64 100

66 31.6 25.8 38.8

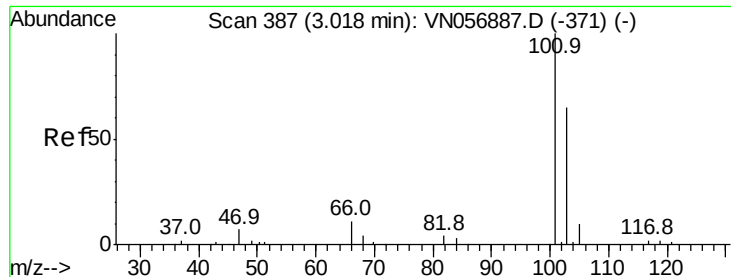


Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0







#7

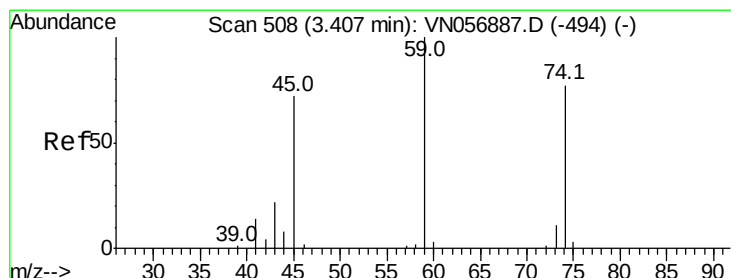
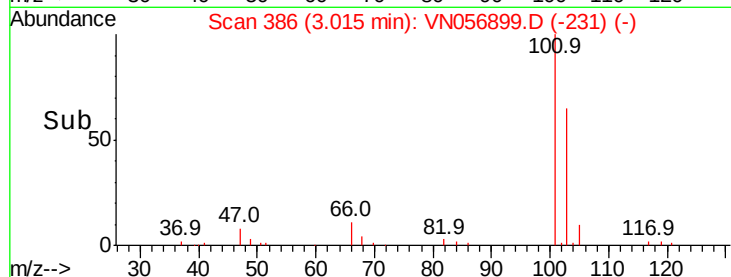
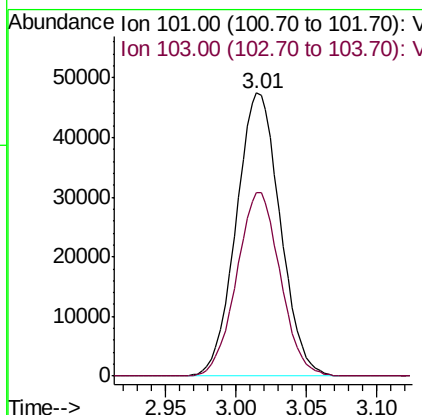
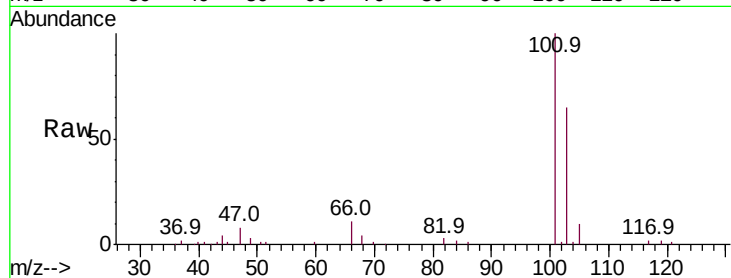
Trichlorofluoromethane  
Concen: 20.893 ug/l  
RT: 3.01 min Scan# 386  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

Tot Ion:101 Resp: 103556  
Ion Ratio Lower Upper  
101 100  
103 64.9 52.2 78.4

Manual Integrations  
APPROVED

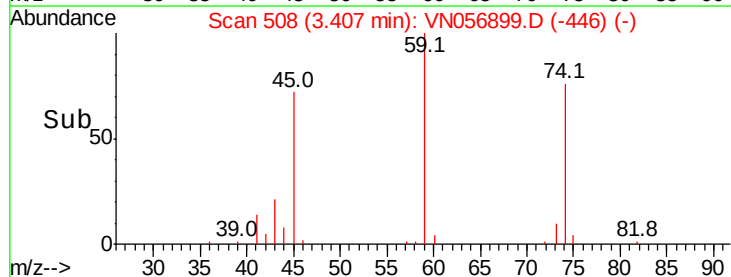
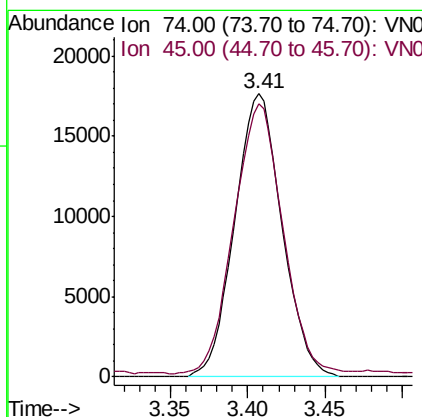
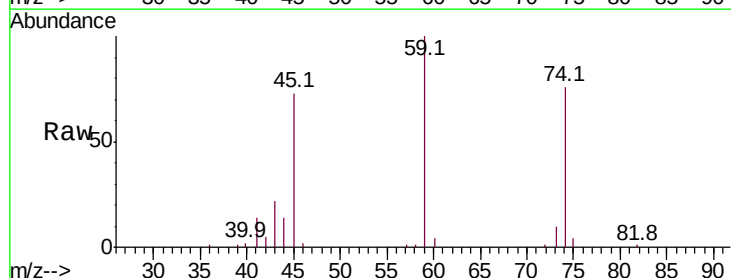
MMDadoda  
7/25/2019 2:20:30 PM



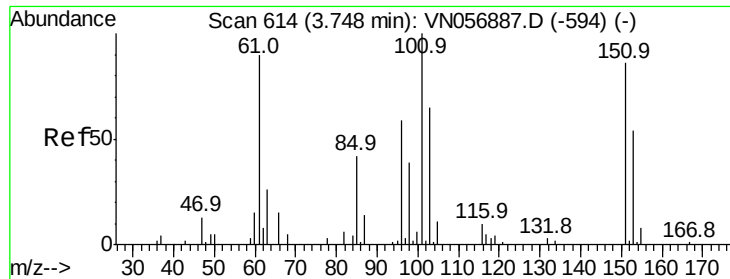
#8

Diethyl Ether  
Concen: 20.286 ug/l  
RT: 3.41 min Scan# 508  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Tgt Ion: 74 Resp: 37465  
Ion Ratio Lower Upper  
74 100  
45 98.4 19.5 175.7







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.184 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

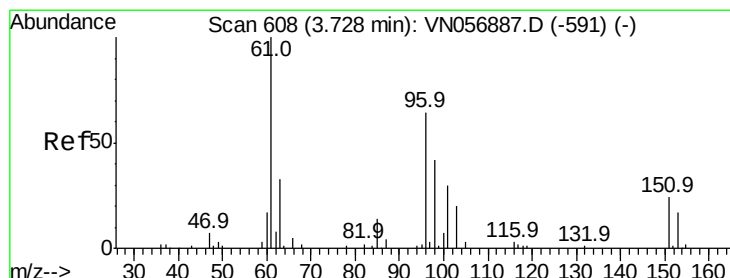
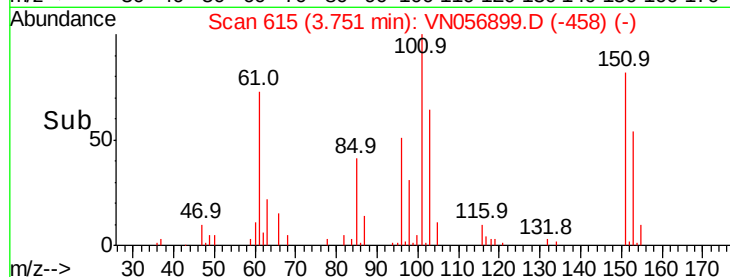
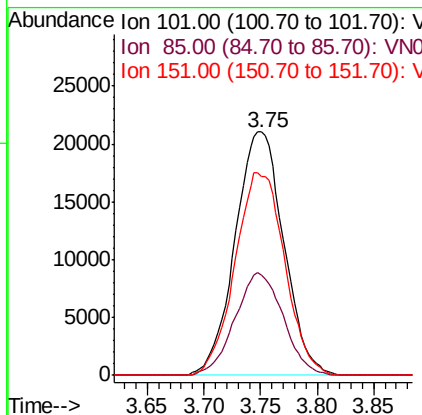
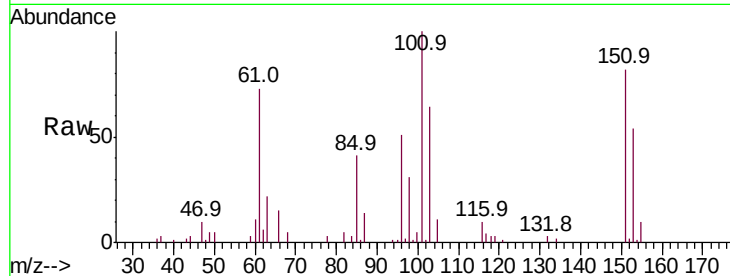
ClientSampleId :

VN0724WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 62829 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.7  | 0.0   | 85.0  |
| 151       | 85.1  | 0.0   | 167.2 |

Manual Integrations  
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7/25/2019 2:20:30 PM



#10

1,1-Dichloroethene

Concen: 21.268 ug/l

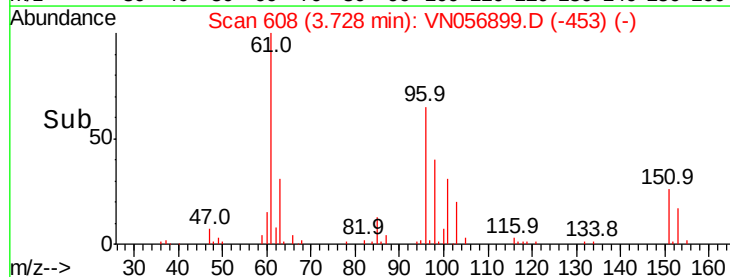
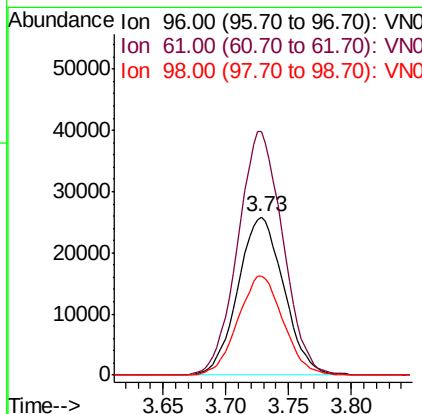
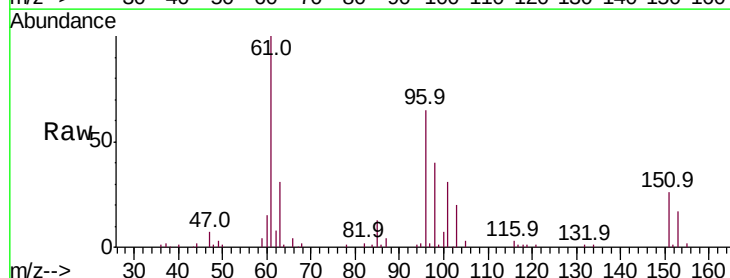
RT: 3.73 min Scan# 608

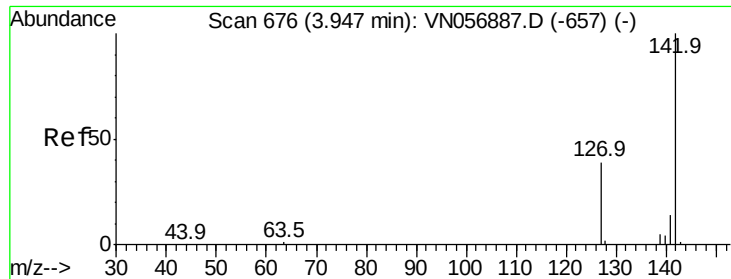
Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 96    | Resp: | 65698 |
| Ion Ratio | Lower | Upper |       |
| 96        | 100   |       |       |
| 61        | 154.1 | 125.8 | 188.8 |
| 98        | 62.4  | 52.7  | 79.1  |





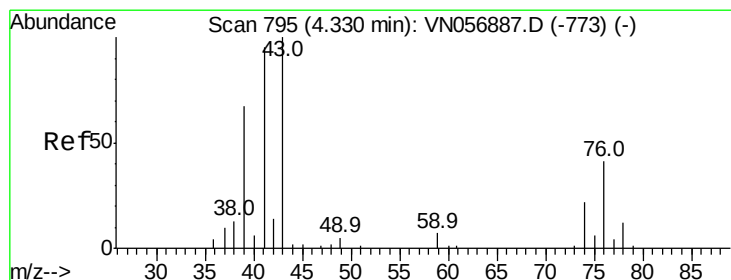
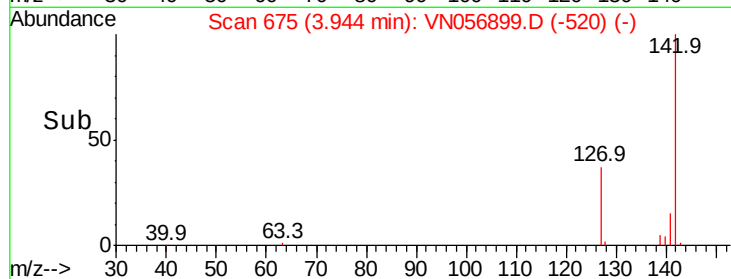
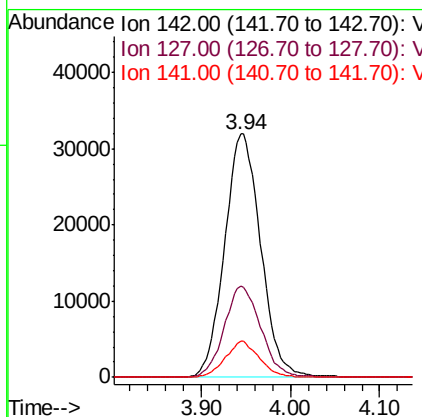
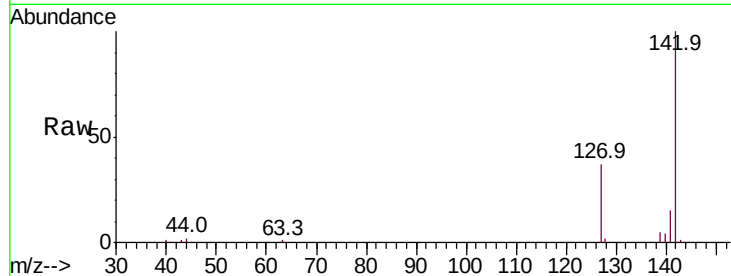
#11  
Methvl Iodide  
Concen: 19.597 ug/l  
RT: 3.94 min Scan# 675  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 37.4  | 19.6  | 58.8  |
| 141     | 14.8  | 7.2   | 21.6  |

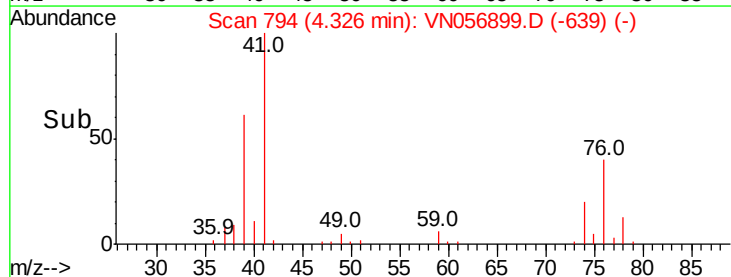
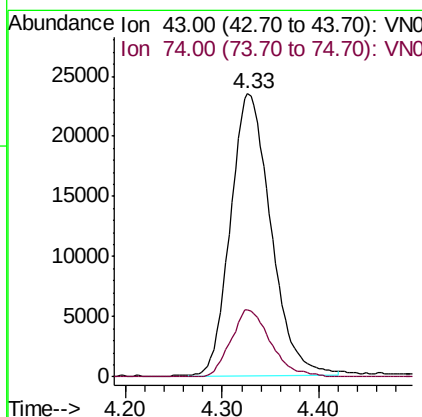
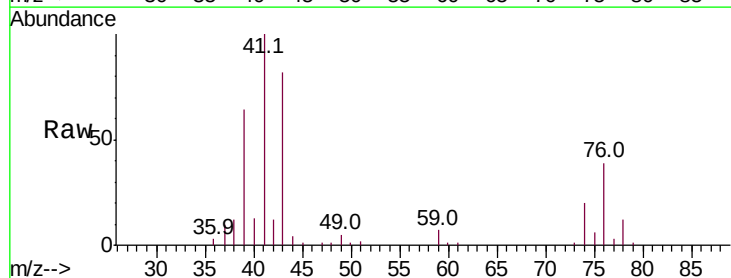
Manual Integrations  
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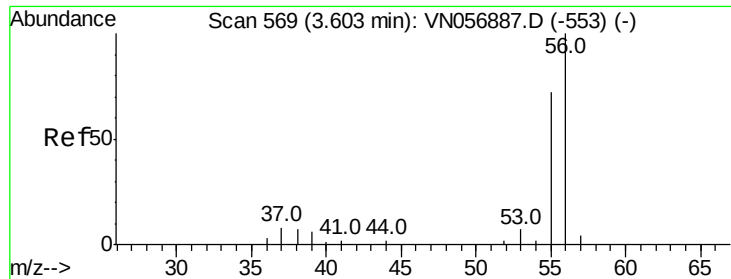
MMDadoda  
7/25/2019 2:20:30 PM



#12  
Methyl Acetate  
Concen: 18.030 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.0  | 18.1  | 27.1  |





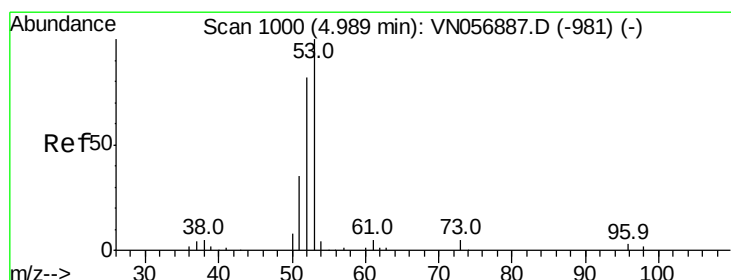
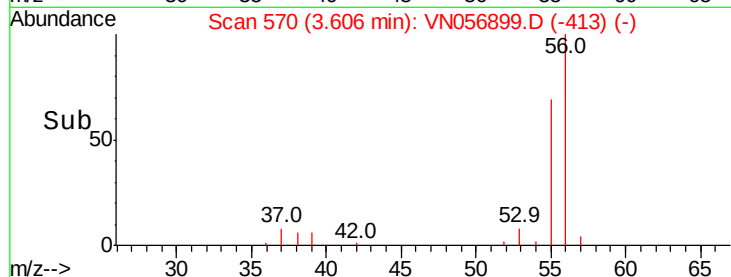
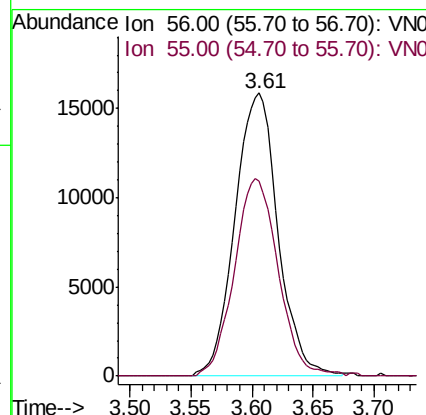
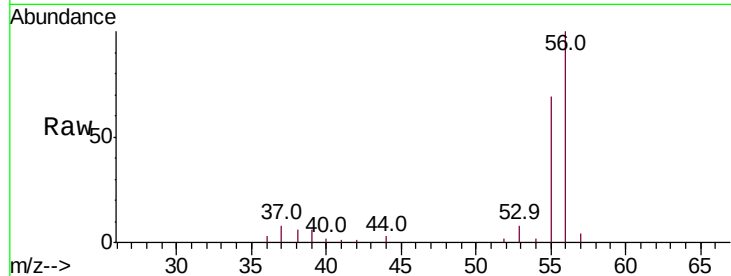
#13  
Acrolein  
Concen: 90.839 ug/l  
RT: 3.61 min Scan# 570  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0724WBSD01

Tot Ion: 56 Resp: 38866  
Ion Ratio Lower Upper  
56 100  
55 70.9 58.5 87.7

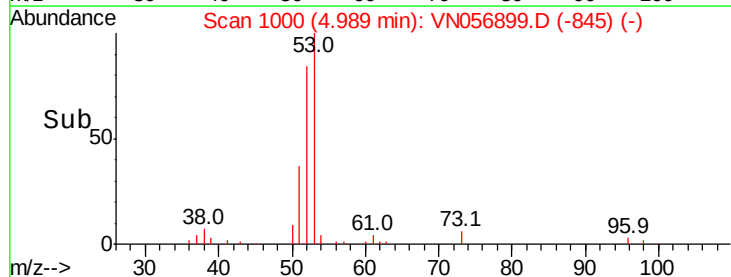
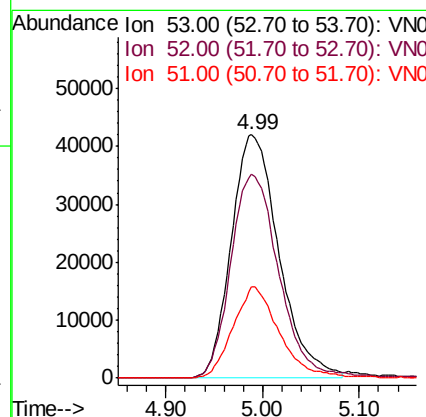
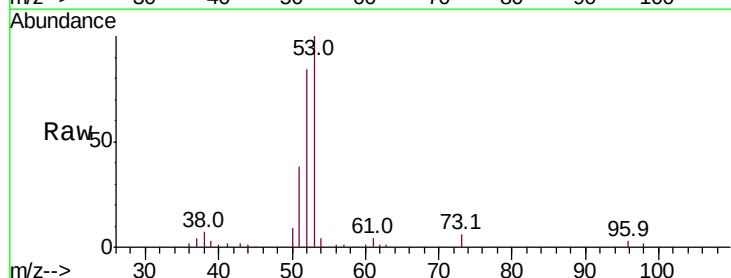
Manual Integrations  
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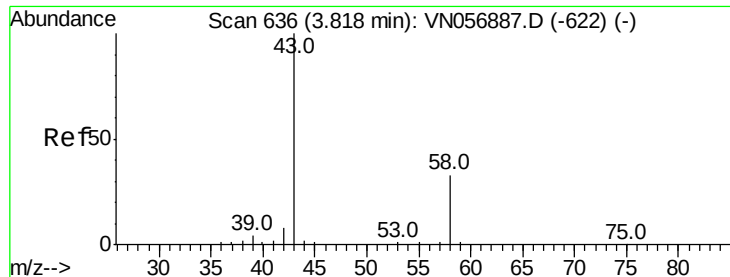
MMDadoda  
7/25/2019 2:20:30 PM



#14  
Acrylonitrile  
Concen: 98.934 ug/l  
RT: 4.99 min Scan# 1000  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Tgt Ion: 53 Resp: 144243  
Ion Ratio Lower Upper  
53 100  
52 84.1 40.8 122.5  
51 35.2 17.4 52.2





#15

Acetone

Concen: 100.301 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 58 Resp: 37807

Ion Ratio Lower Upper

58 100

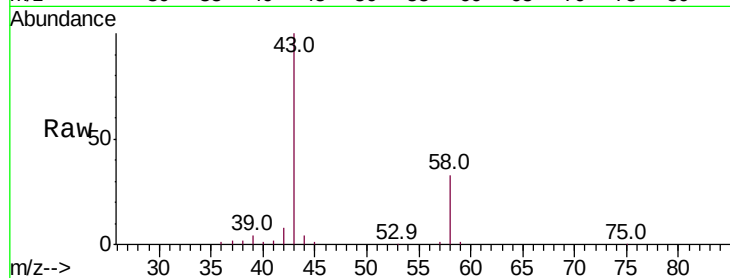
43 296.8 242.4 363.6

Manual Integrations

APPROVED

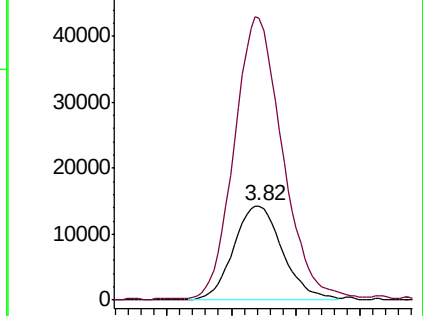
MMDadoda

7/25/2019 2:20:30 PM

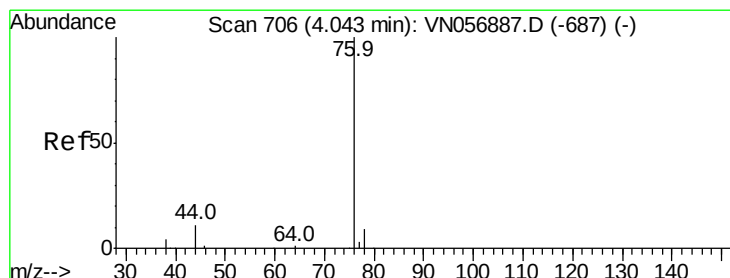
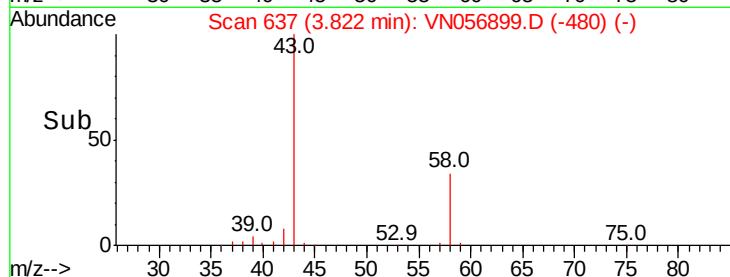


Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time-->



#16

Carbon Disulfide

Concen: 19.761 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN056899.D

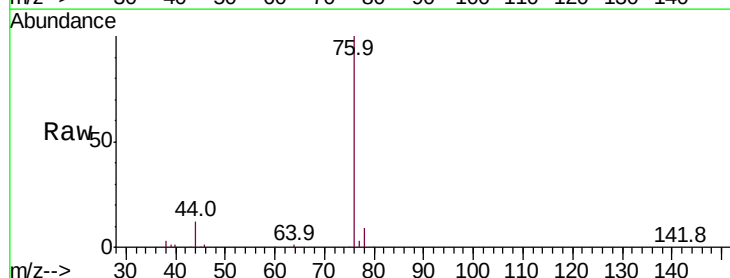
Acq: 24 Jul 2019 1:30

Tgt Ion: 76 Resp: 164597

Ion Ratio Lower Upper

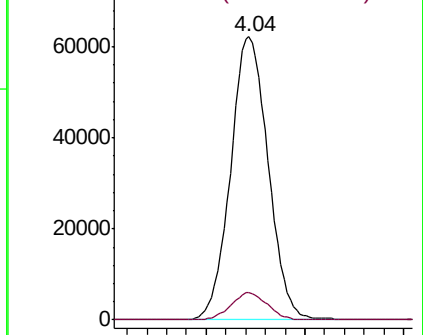
76 100

78 9.5 7.1 10.7

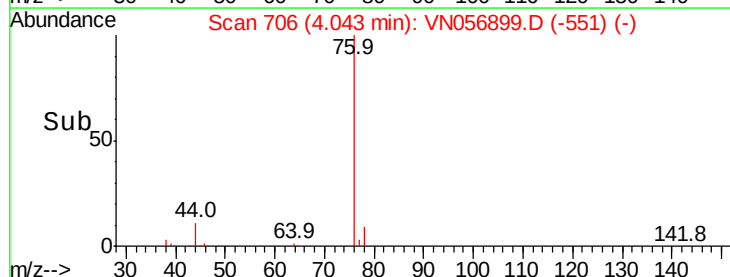


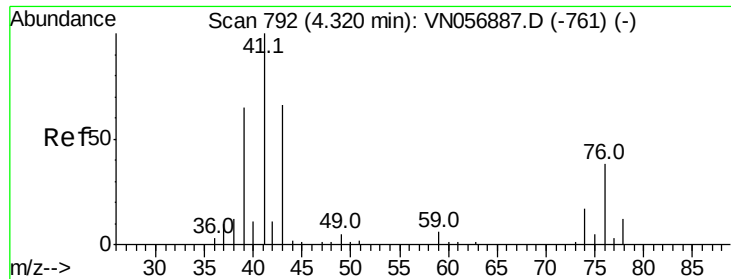
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->





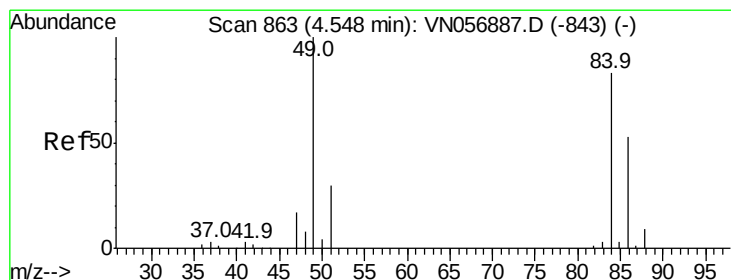
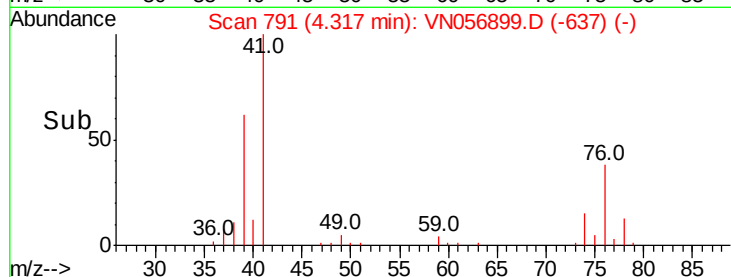
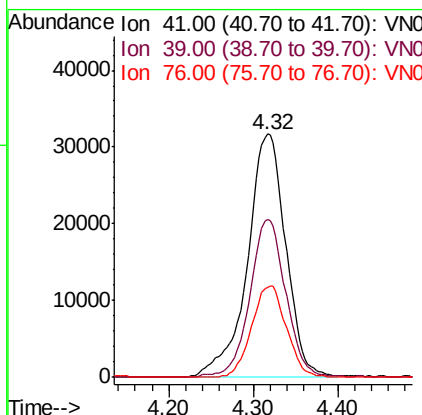
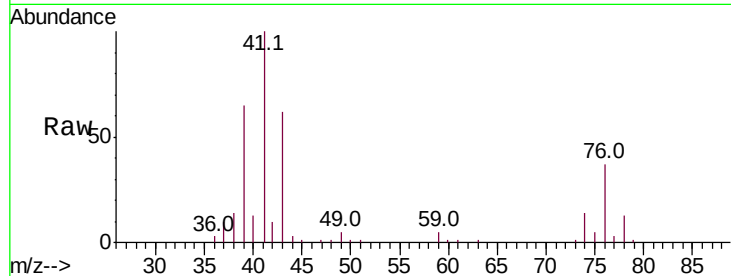
#17  
Allvl chloride  
Concen: 19.420 ug/l  
RT: 4.32 min Scan# 791  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 41      | 100   |      |       |       |
| 39      | 65.1  | 32.4 | 97.0  |       |
| 76      | 37.2  | 19.0 | 57.0  |       |

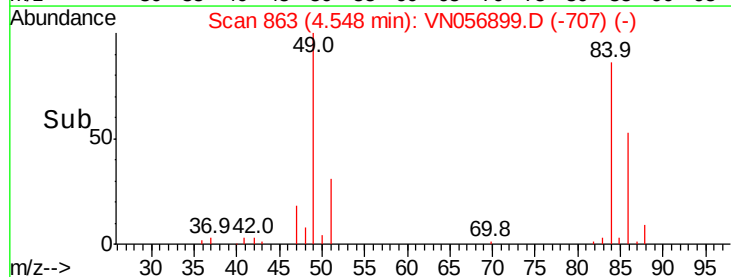
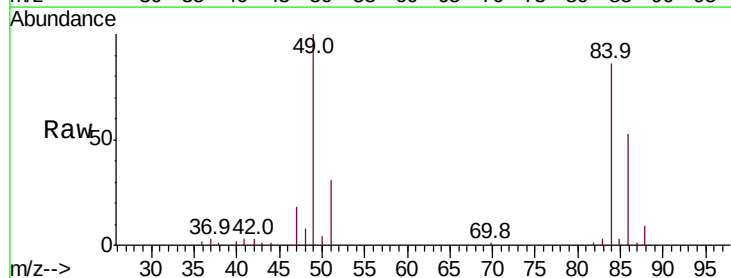
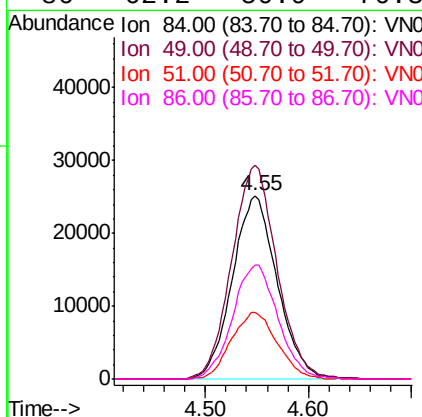
Manual Integrations  
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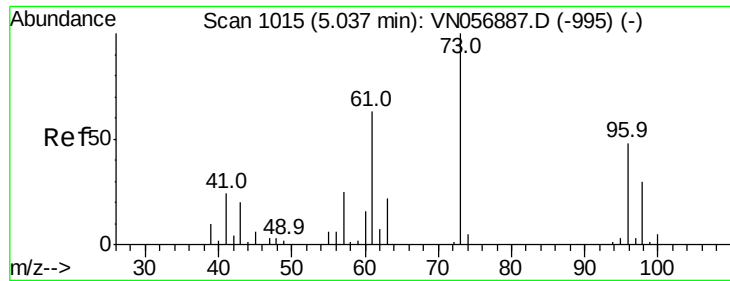
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7/25/2019 2:20:30 PM



#18  
Methylene Chloride  
Concen: 21.181 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 84      | 100   |      |       |       |
| 49      | 115.6 | 96.3 | 144.5 |       |
| 51      | 36.2  | 28.8 | 43.2  |       |
| 86      | 62.2  | 50.9 | 76.3  |       |





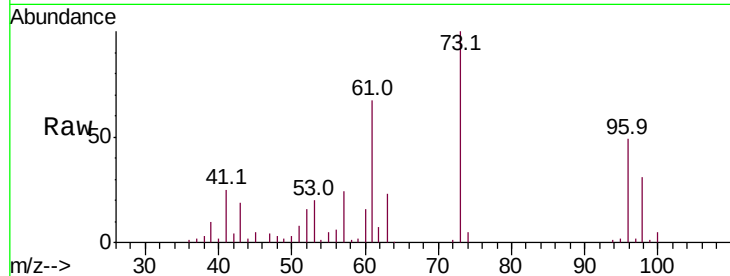
#19  
trans-1,2-Dichloroethene  
Concen: 20.661 ug/l  
RT: 5.03 min Scan# 1014  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 136.8 | 105.4 | 158.0 |
| 98      | 63.8  | 50.8  | 76.2  |

Manual Integrations  
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7/25/2019 2:20:30 PM

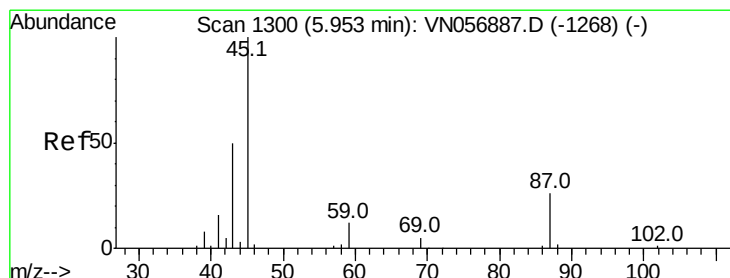
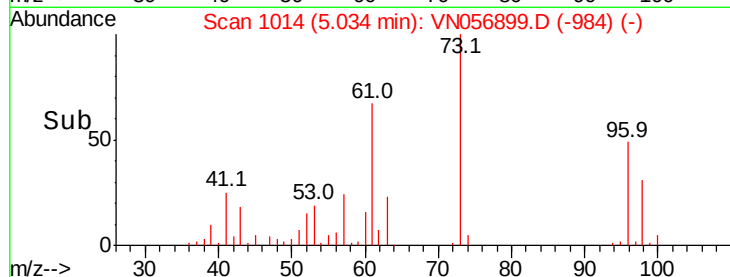
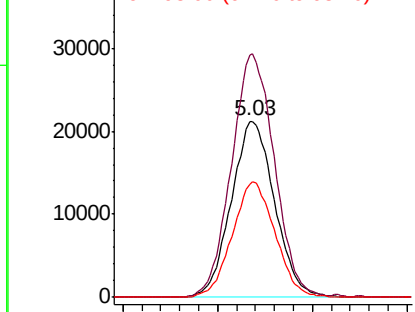


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20  
Diisopropyl ether  
Concen: 20.805 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.7  | 47.4  | 71.0  |
| 87      | 28.5  | 21.7  | 32.5  |
| 59      | 11.8  | 9.3   | 13.9  |

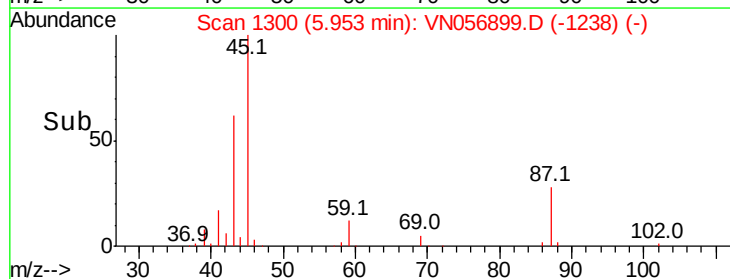
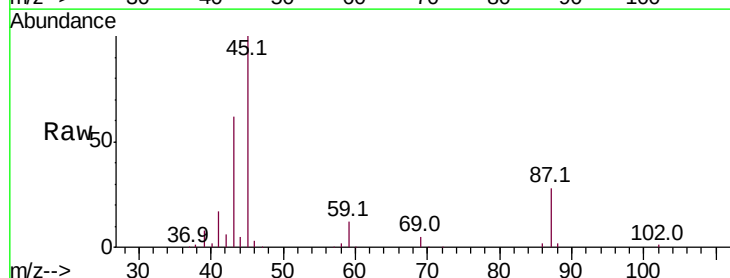
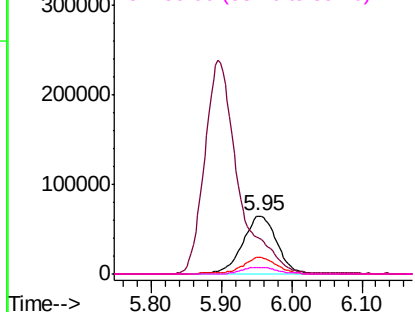
Abundance

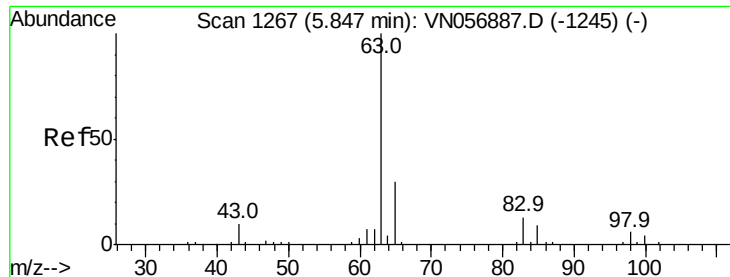
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





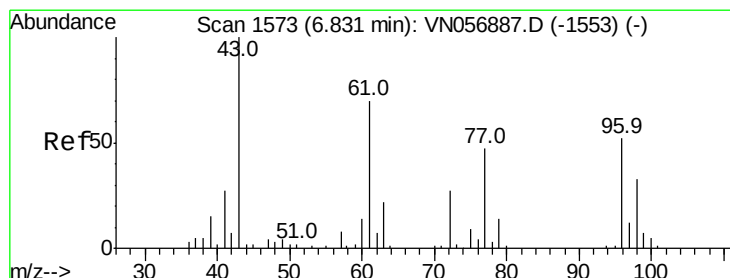
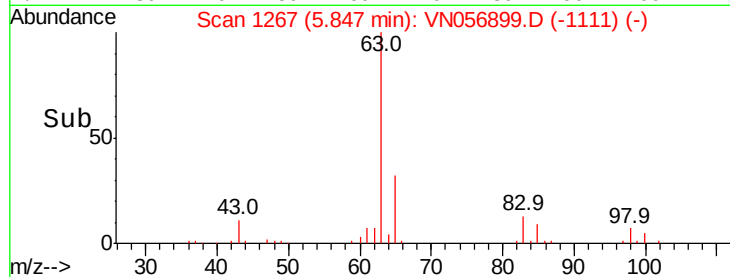
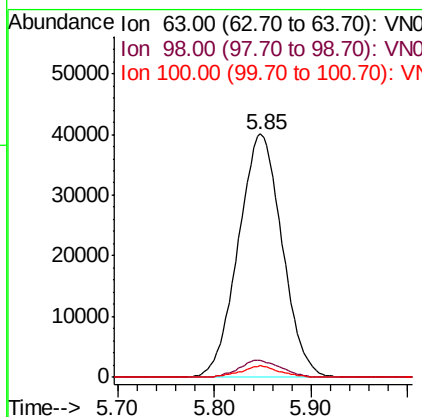
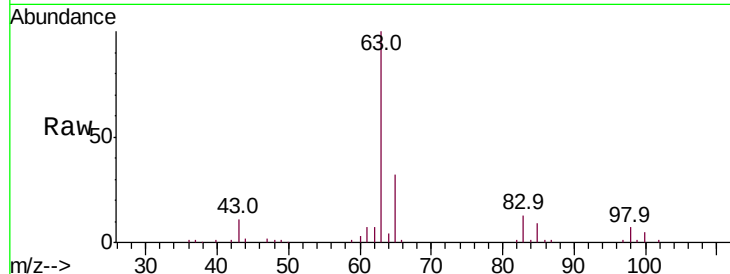
#21  
 1,1-Dichloroethane  
 Concen: 20.638 ug/l  
 RT: 5.85 min Scan# 1267  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0724WBSD01

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 63      | 100   |            |       |
| 98      | 6.8   | 3.1        | 9.3   |
| 100     | 4.7   | 1.8        | 5.5   |

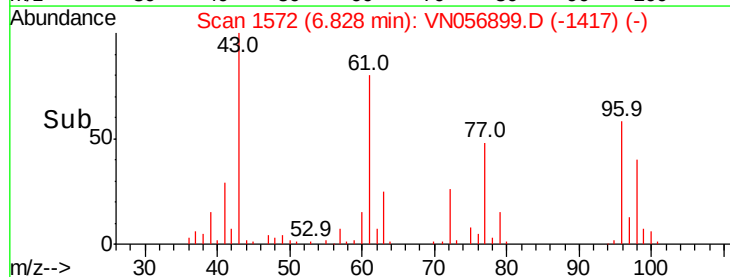
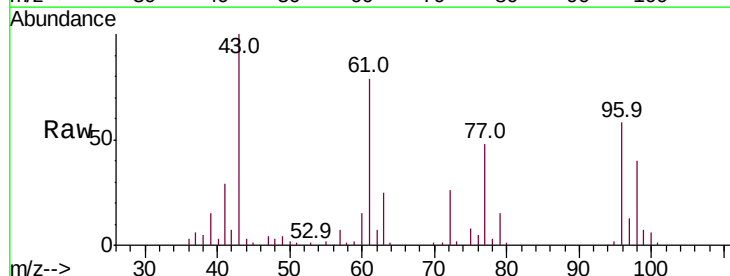
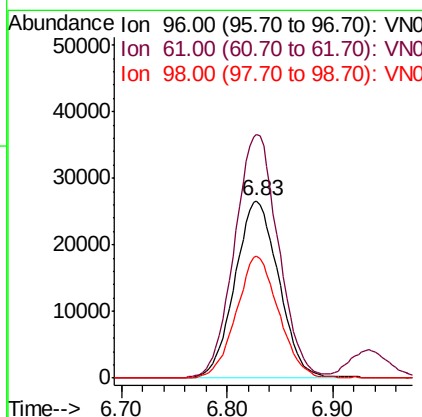
Manual Integrations  
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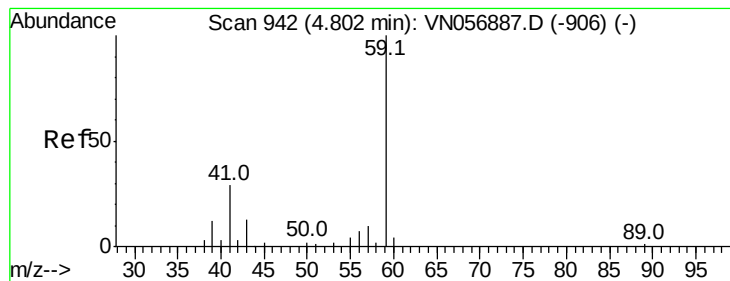


#22  
 cis-1,2-Dichloroethene  
 Concen: 20.244 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 96      | 100   |            |       |
| 61      | 137.8 | 111.6      | 167.4 |
| 98      | 66.5  | 51.0       | 76.4  |







#23

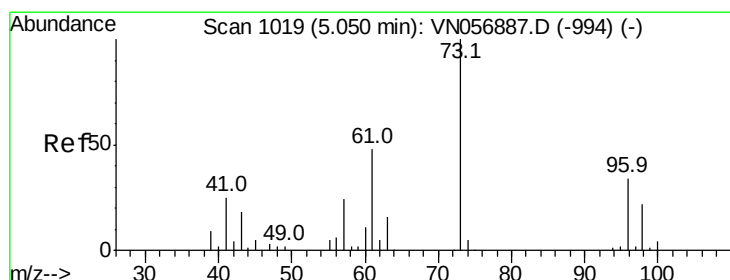
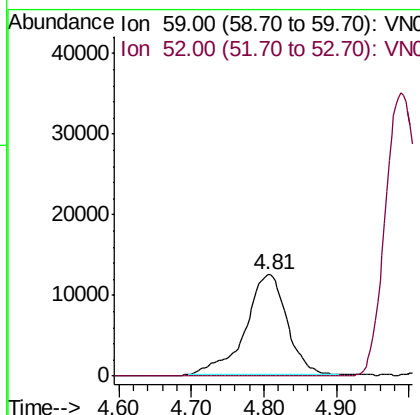
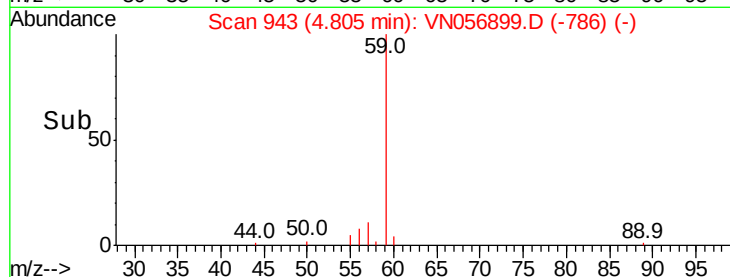
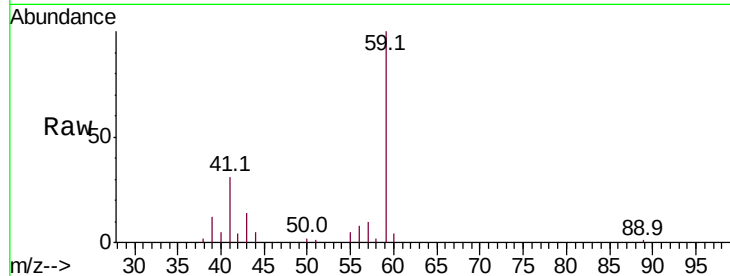
tert-Butyl Alcohol  
 Concen: 101.527 ug/l  
 RT: 4.81 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0724WBSD01

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

Manual Integrations  
 APPROVED

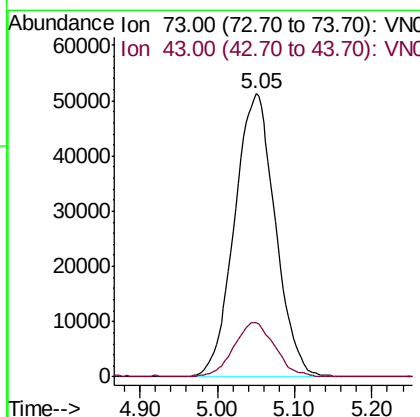
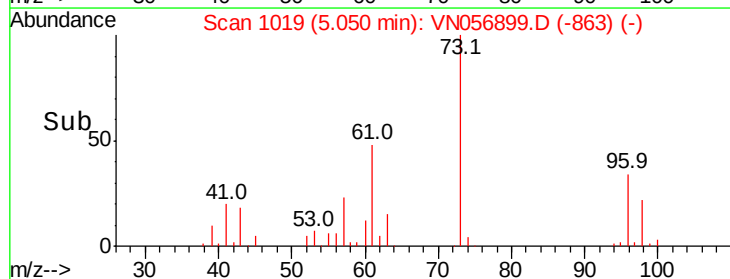
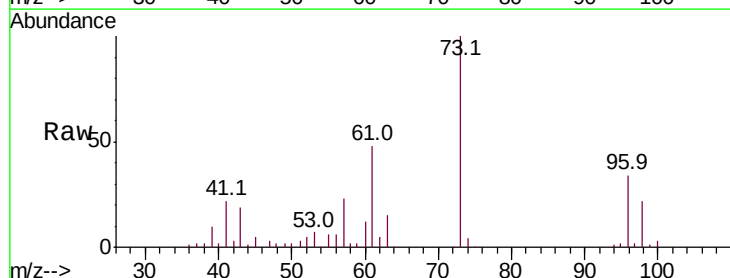
MMDadoda  
 7/25/2019 2:20:30 PM

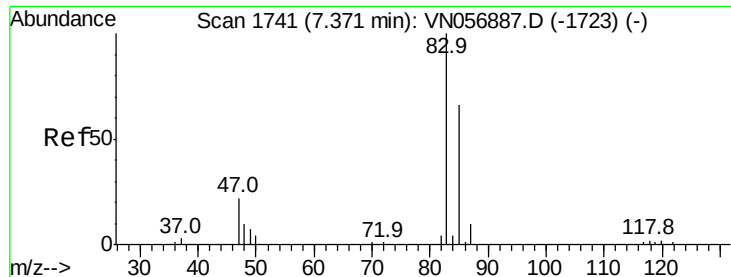


#24

Methyl tert-Butyl Ether  
 Concen: 20.132 ug/l  
 RT: 5.05 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion | 73   | 43   | Ratio | Lower | Upper |
|---------|------|------|-------|-------|-------|
| 73      | 100  |      |       |       |       |
| 43      | 19.4 | 15.4 | 23.0  |       |       |





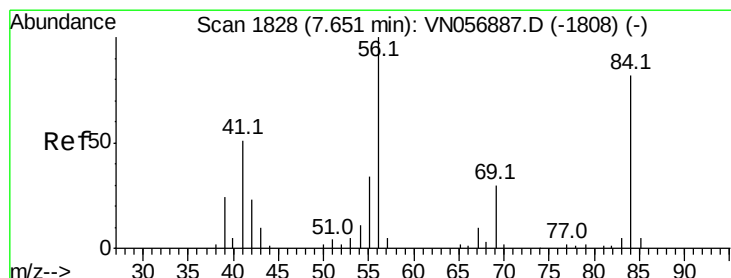
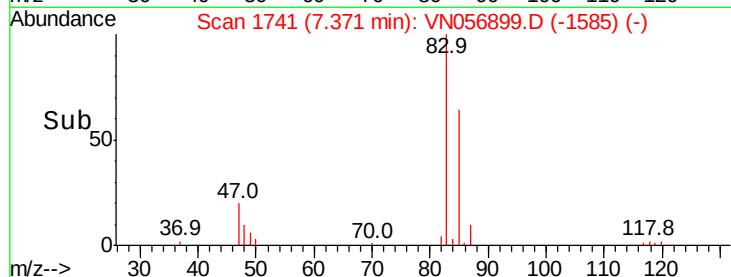
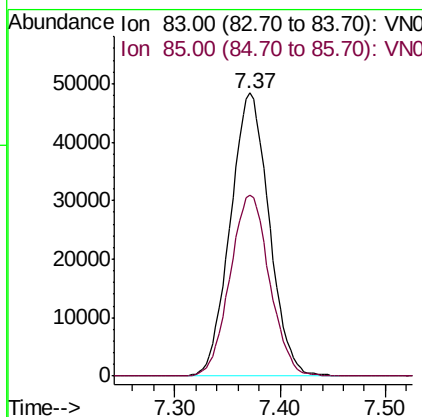
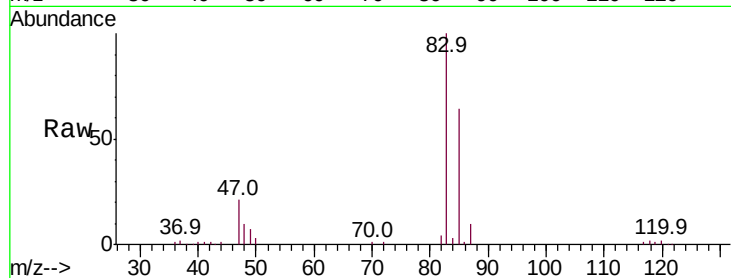
#25  
Chloroform  
Concen: 20.777 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | 83    | Resp  | 123623 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 85      | 64.0  | 53.1  | 79.7   |

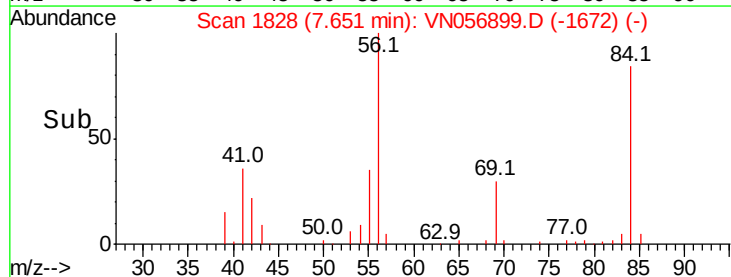
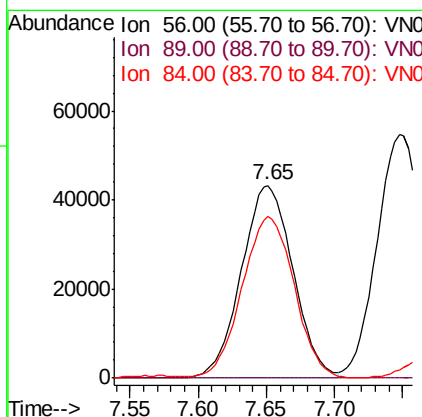
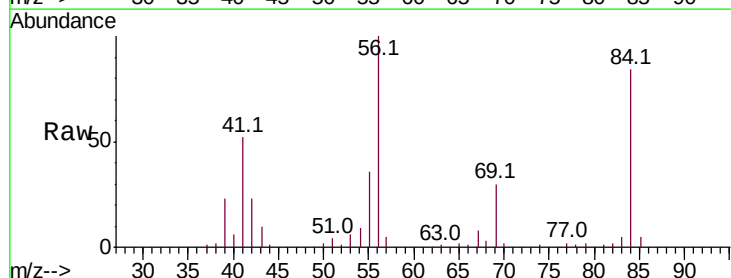
Manual Integrations  
APPROVED

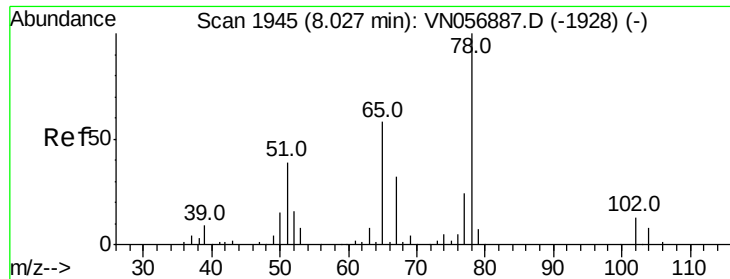
MMDadoda  
7/25/2019 2:20:30 PM



#26  
Cyclohexane  
Concen: 20.277 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | 56    | Resp  | 113609 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 56      | 100   |       |        |
| 89      | 0.0   | 0.0   | 0.0    |
| 84      | 84.6  | 67.8  | 101.6  |





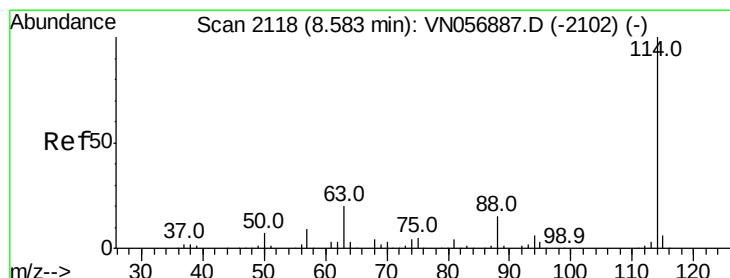
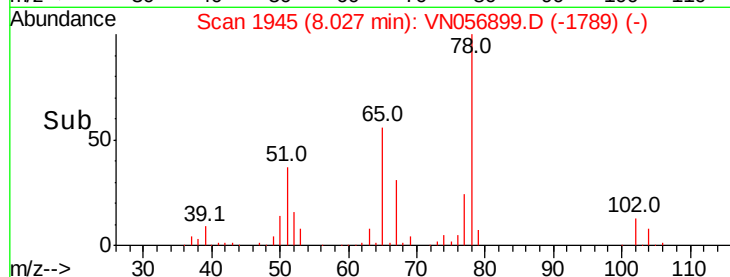
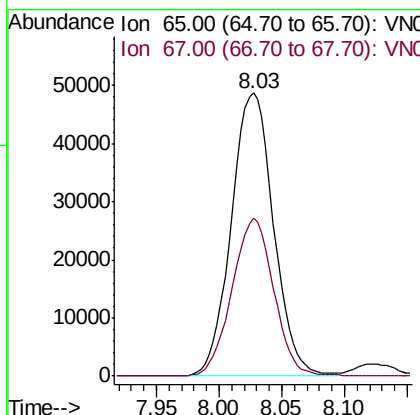
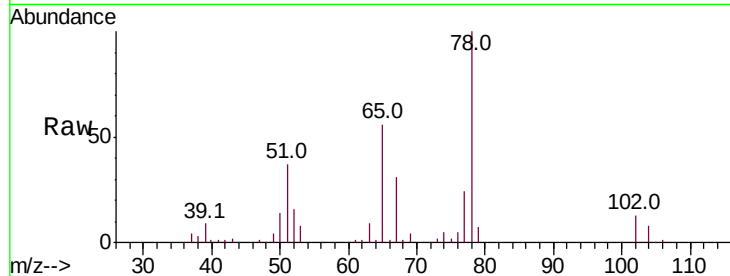
#27  
 1,2-Dichloroethane-d4  
 Concen: 30.183 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.9  | 44.6  | 66.8  |

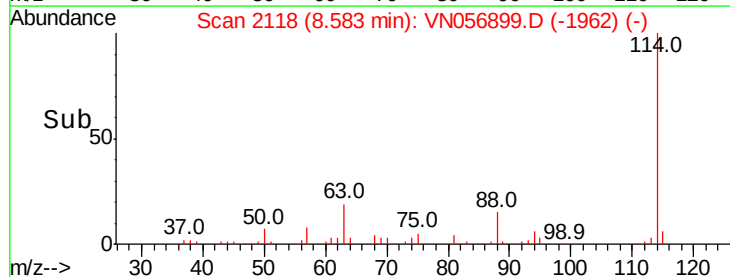
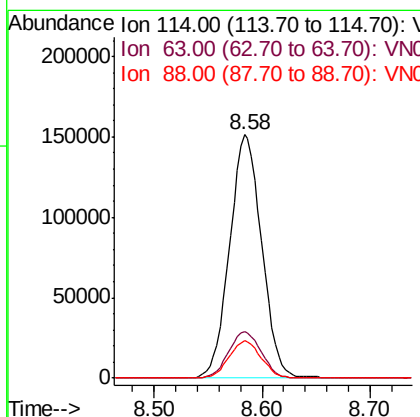
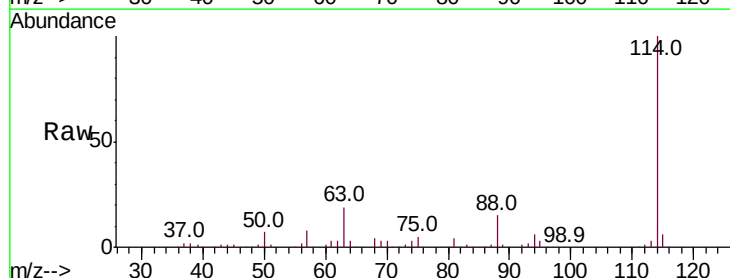
Manual Integrations  
 APPROVED

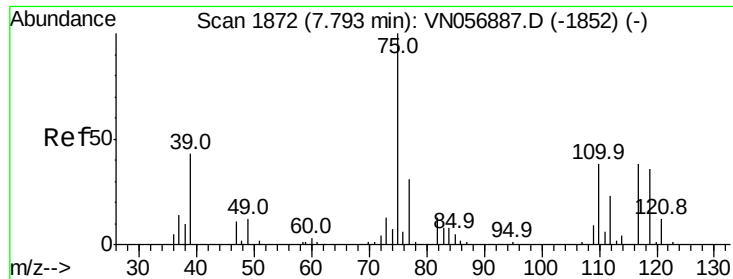
MMDadoda  
 7/25/2019 2:20:30 PM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.6  | 15.8  | 23.6  |
| 88      | 15.4  | 12.5  | 18.7  |





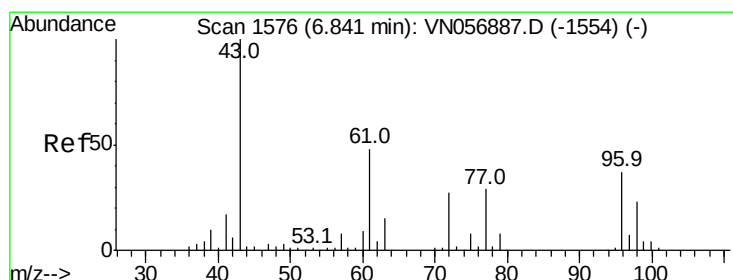
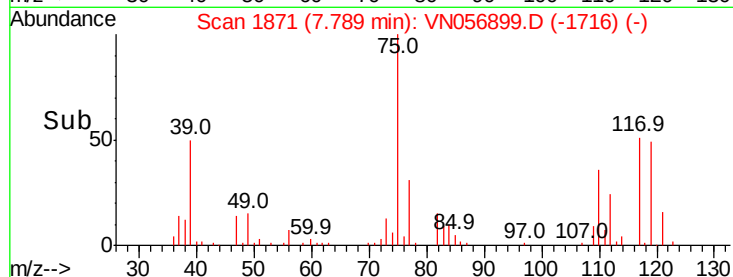
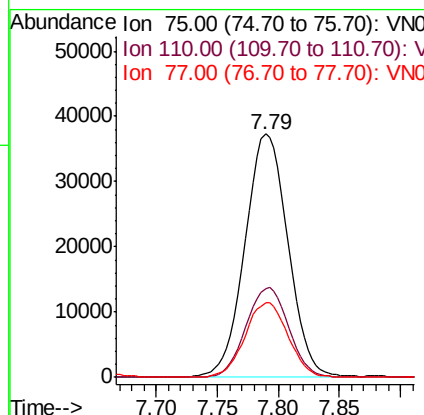
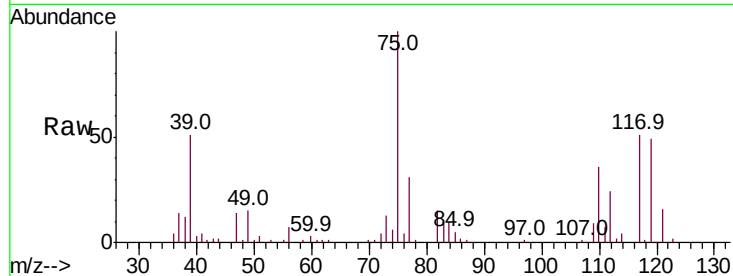
#29  
 1,1-Dichloropropene  
 Concen: 20.499 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.4  | 0.0   | 75.8  |
| 77      | 30.7  | 0.0   | 64.0  |

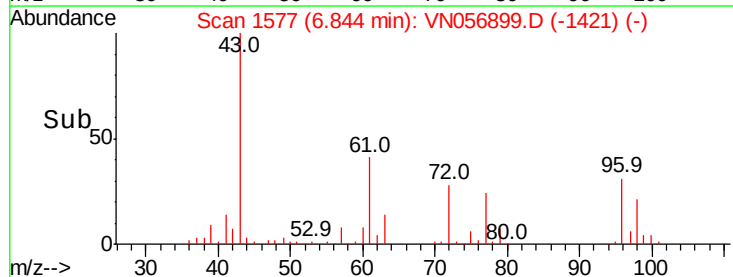
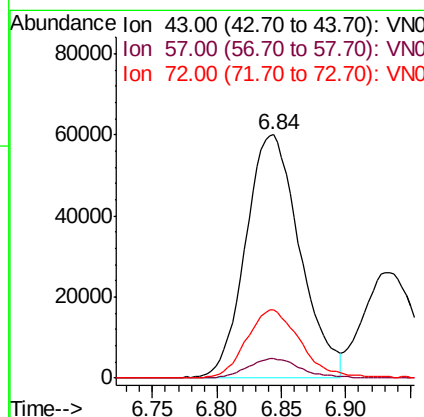
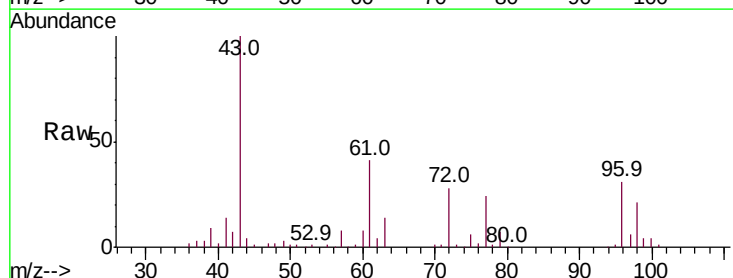
Manual Integrations  
 APPROVED

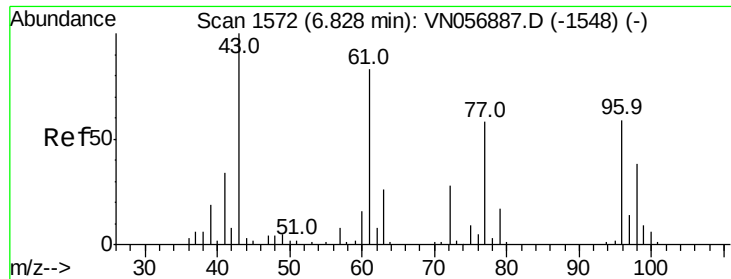
MMDadoda  
 7/25/2019 2:20:30 PM



#30  
 2-Butanone  
 Concen: 97.250 ug/l  
 RT: 6.84 min Scan# 1577  
 Delta R.T. 0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 8.0   | 6.5   | 9.7   |
| 72      | 28.3  | 22.1  | 33.1  |





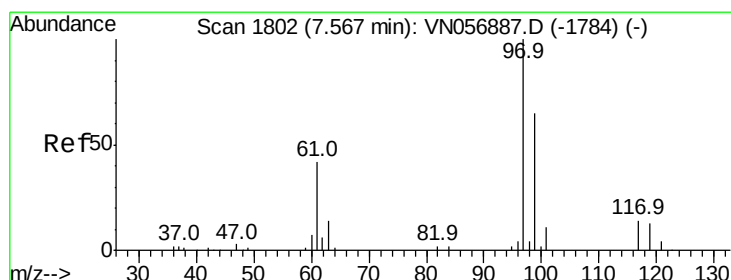
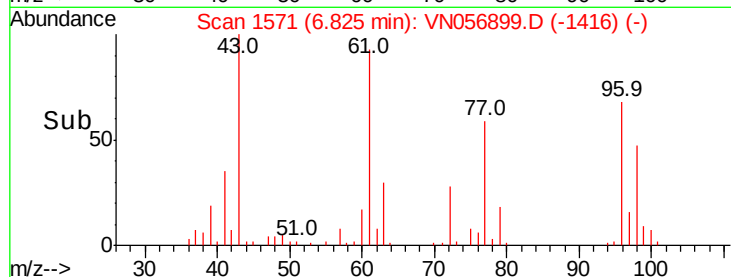
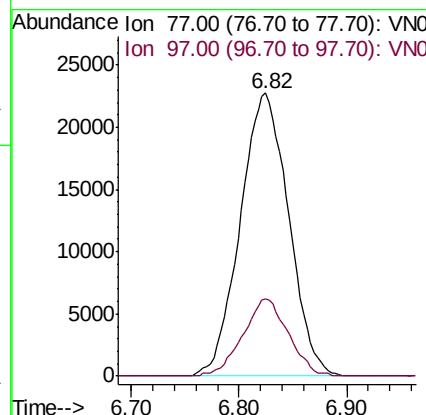
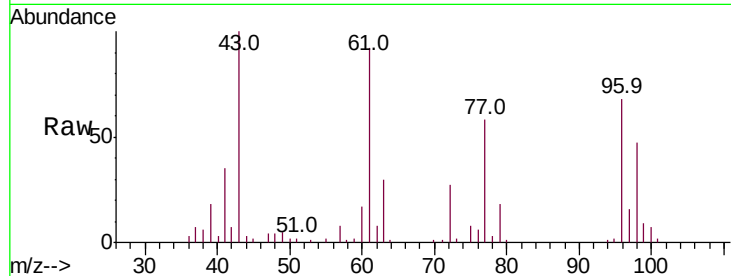
#31  
 2,2-Dichloropropane  
 Concen: 17.177 ug/l  
 RT: 6.82 min Scan# 1571  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0724WBSD01

Tot Ion: 77 Resp: 70890  
 Ion Ratio Lower Upper  
 77 100  
 97 25.6 19.3 28.9

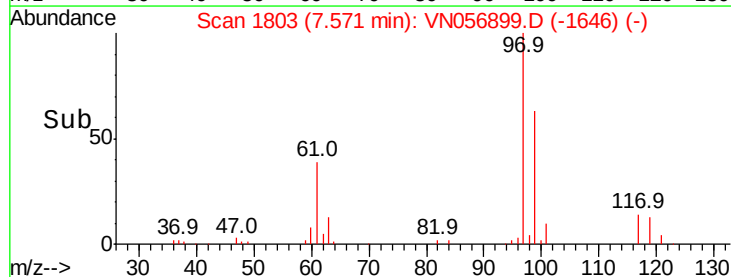
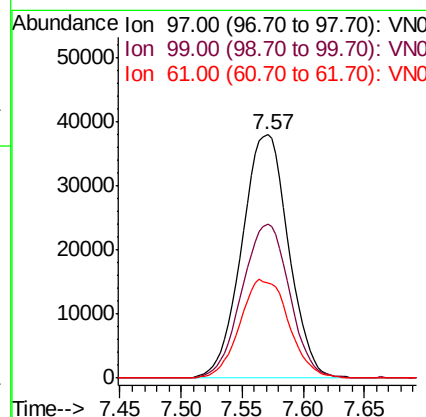
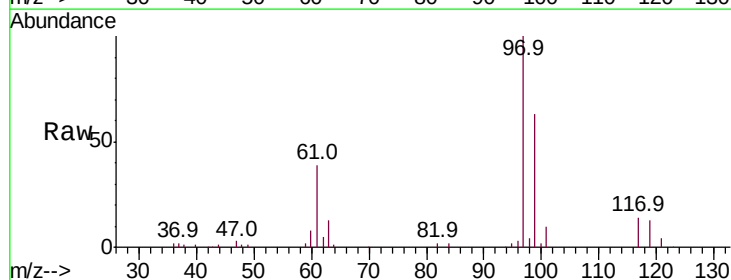
Manual Integrations  
 APPROVED

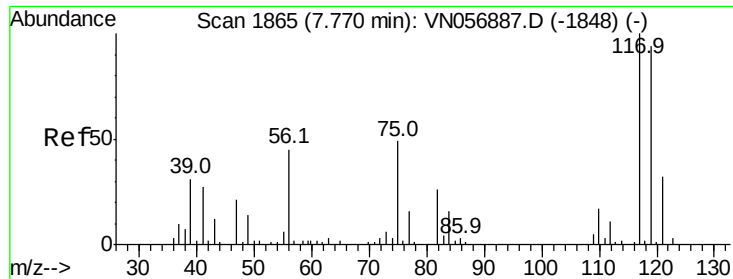
MMDadoda  
 7/25/2019 2:20:30 PM



#32  
 1,1,1-Trichloroethane  
 Concen: 20.630 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Tgt Ion: 97 Resp: 100804  
 Ion Ratio Lower Upper  
 97 100  
 99 64.5 52.3 78.5  
 61 42.4 34.4 51.6





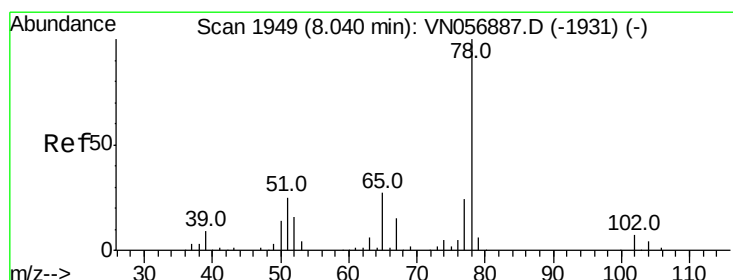
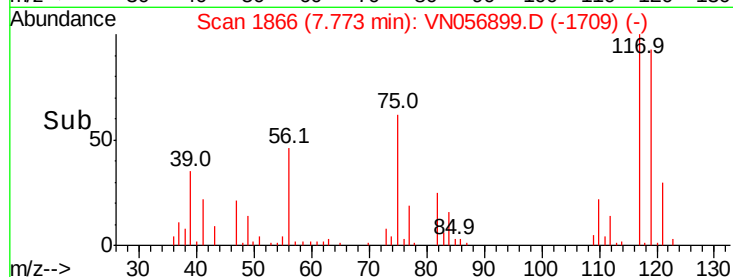
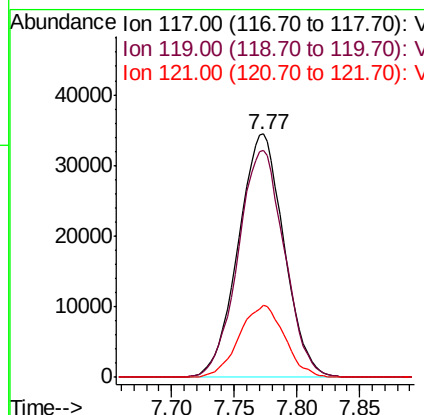
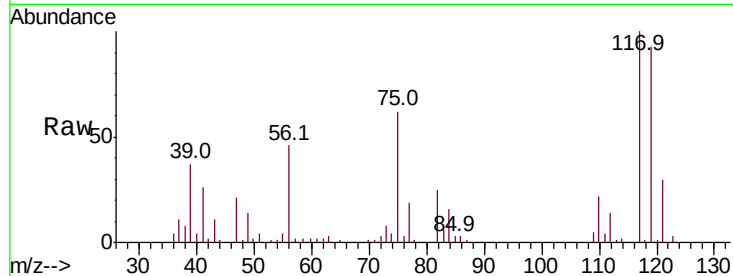
#33  
Carbon Tetrachloride  
Concen: 20.408 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.4  | 75.1  | 112.7 |
| 121     | 29.5  | 25.8  | 38.8  |

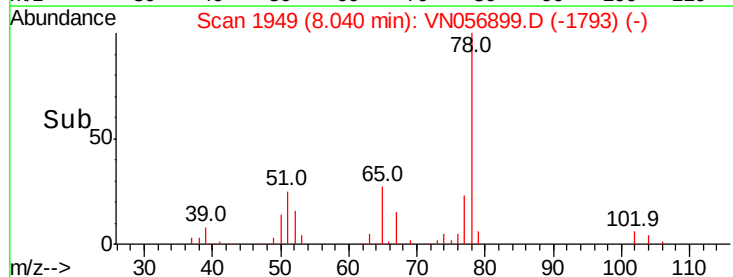
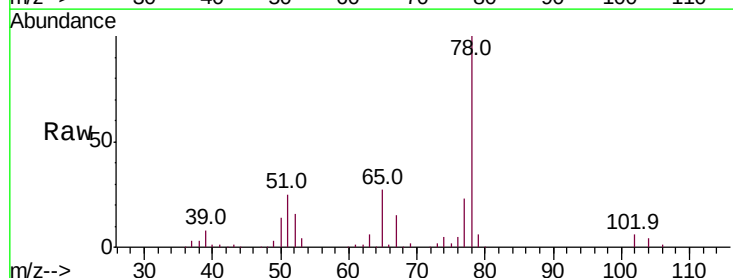
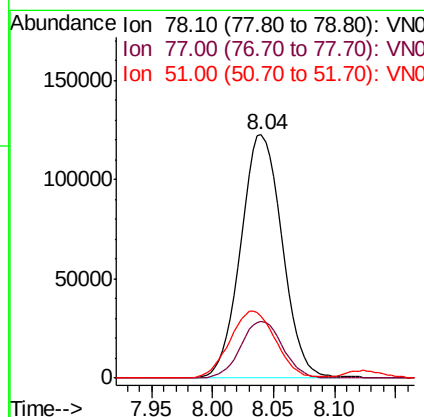
Manual Integrations  
APPROVED

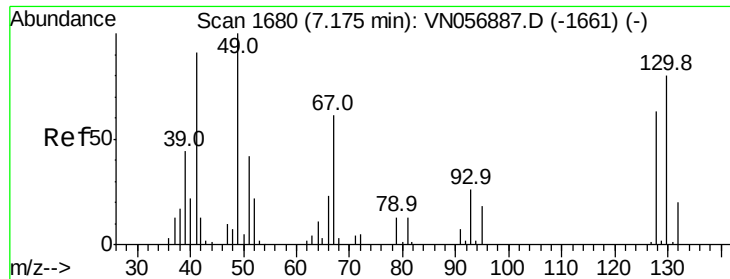
MMDadoda  
7/25/2019 2:20:30 PM



#34  
Benzene  
Concen: 20.599 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.2  | 19.4  | 29.2  |
| 51      | 24.9  | 20.4  | 30.6  |





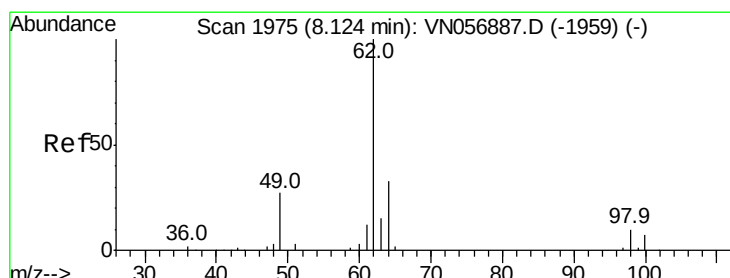
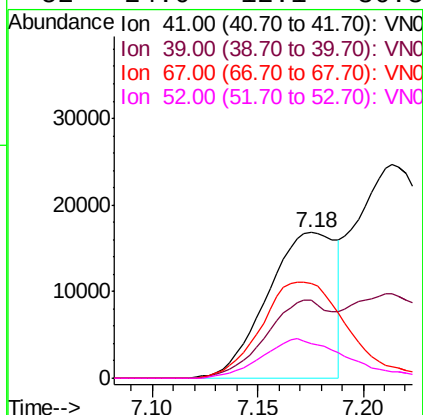
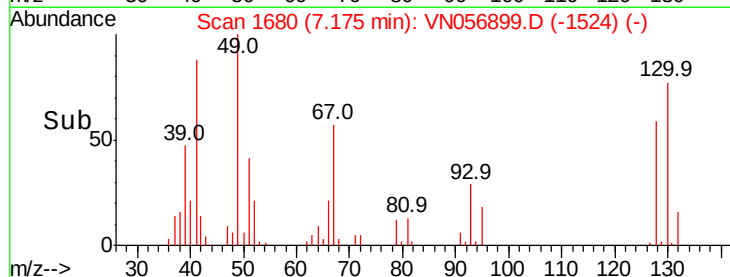
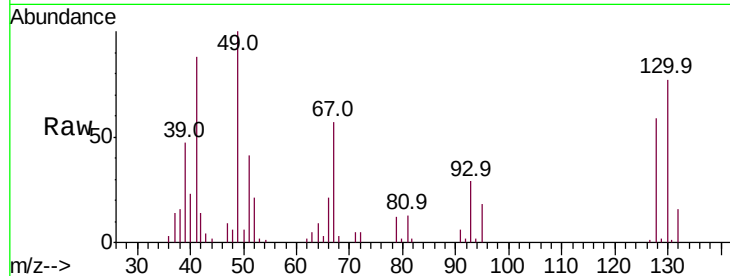
#35  
Methacrylonitrile  
Concen: 21.362 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 53.5  | 24.4  | 73.2  |
| 67      | 65.5  | 33.4  | 100.1 |
| 52      | 24.0  | 12.1  | 36.3  |

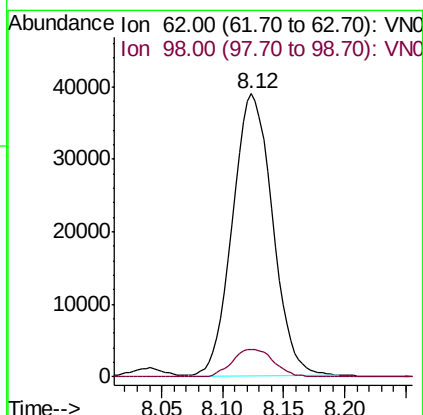
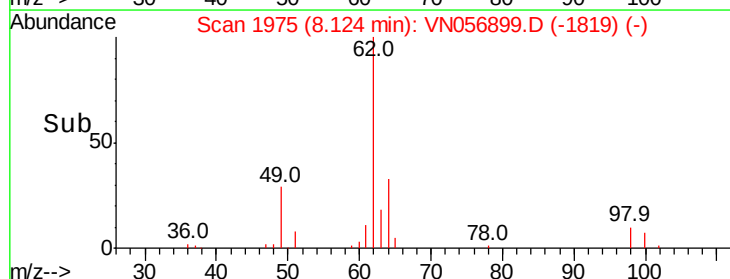
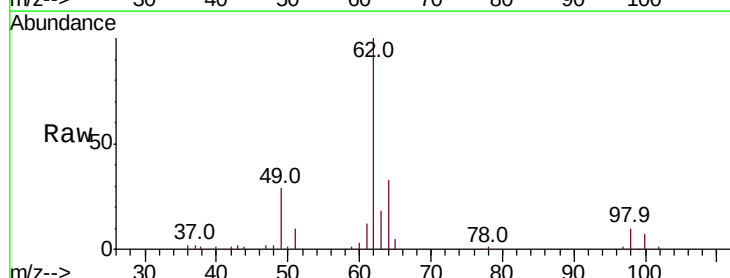
Manual Integrations  
APPROVED

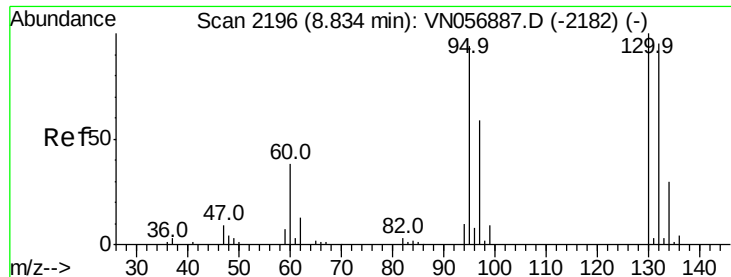
MMDadoda  
7/25/2019 2:20:30 PM



#36  
1,2-Dichloroethane  
Concen: 20.305 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.2  | 7.7   | 11.5  |





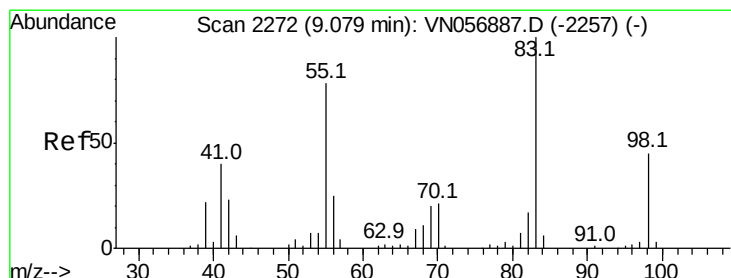
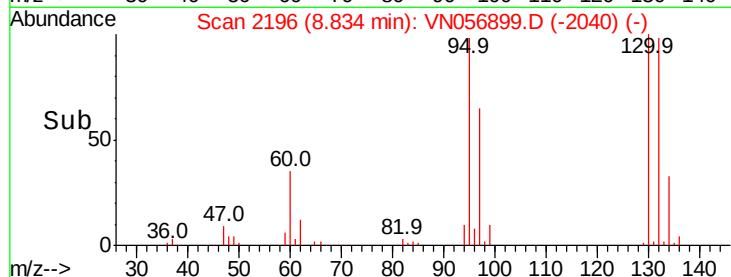
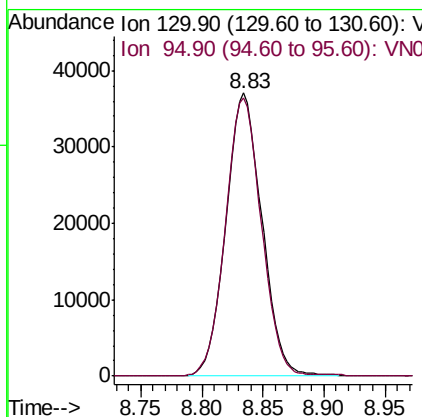
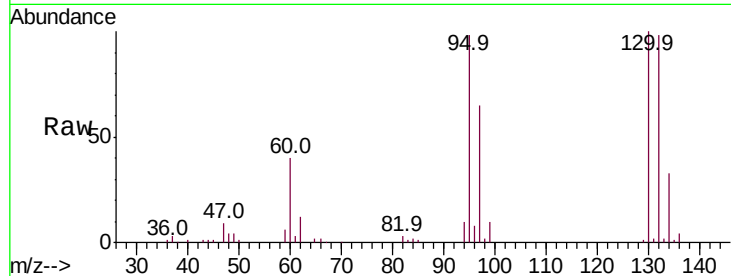
#37  
 Trichloroethene  
 Concen: 20.349 ug/l  
 RT: 8.83 min Scan# 2196  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0724WBSD01

Tot Ion:130 Resp: 76446  
 Ion Ratio Lower Upper  
 130 100  
 95 98.0 74.9 112.3

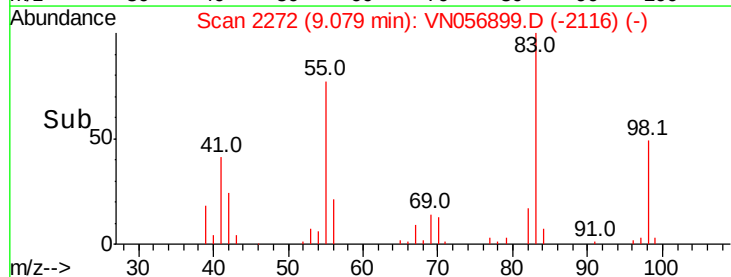
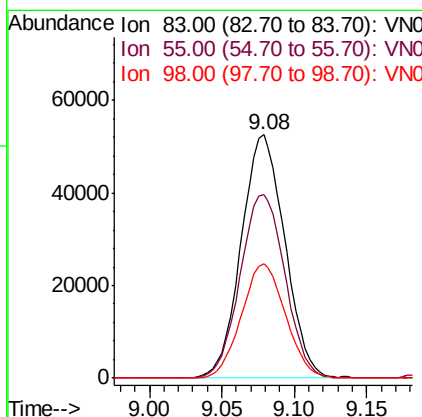
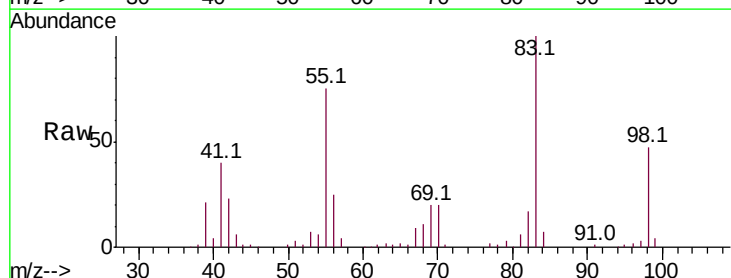
Manual Integrations  
 APPROVED

MMDadoda  
 7/25/2019 2:20:30 PM

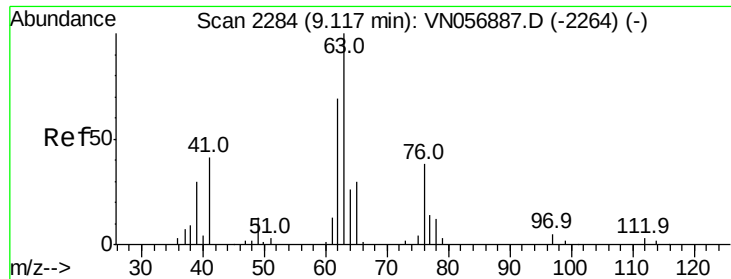


#38  
 Methylcyclohexane  
 Concen: 19.464 ug/l  
 RT: 9.08 min Scan# 2272  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Tgt Ion: 83 Resp: 110112  
 Ion Ratio Lower Upper  
 83 100  
 55 77.3 38.4 115.1  
 98 47.4 22.7 68.0







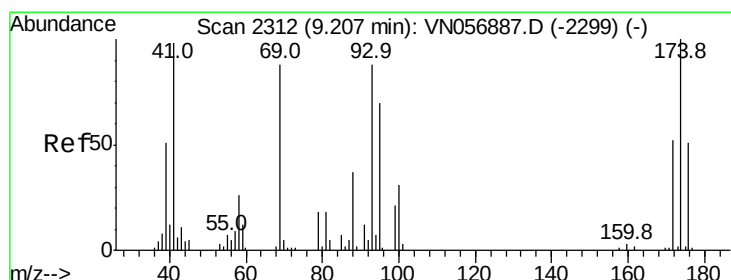
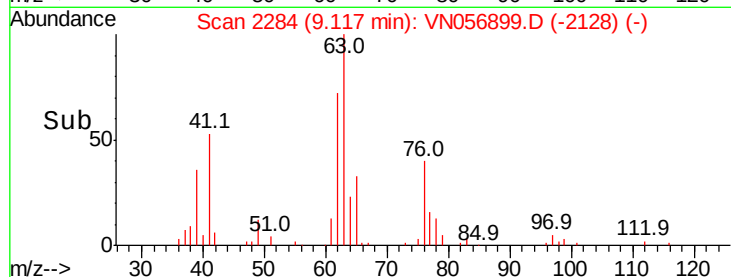
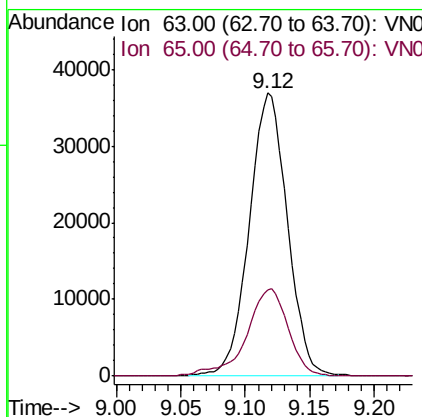
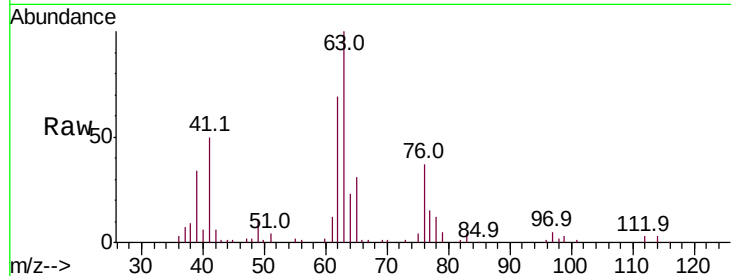
#39  
 1,2-Dichloropropane  
 Concen: 20.402 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.7  | 24.6  | 36.8  |

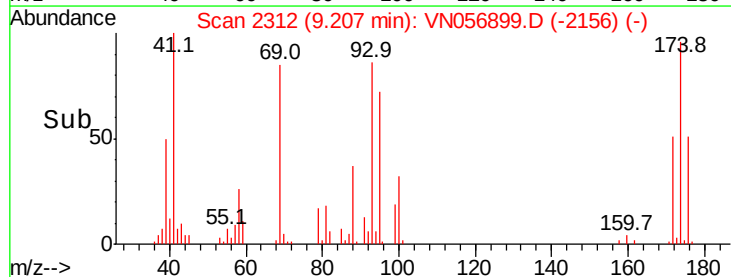
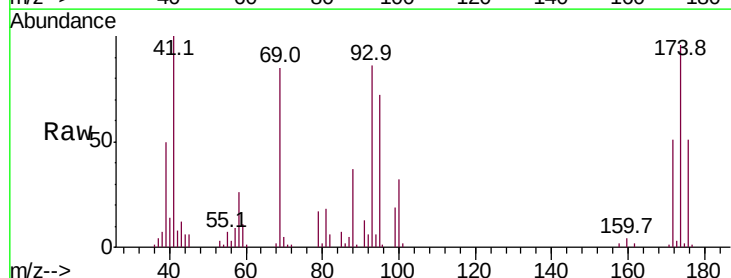
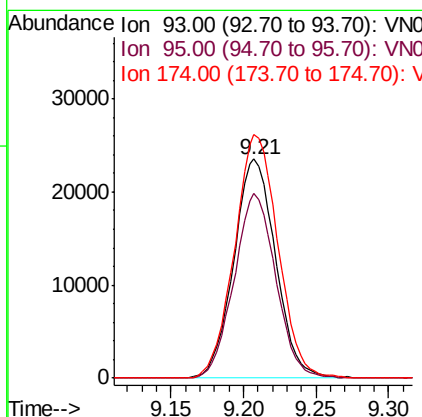
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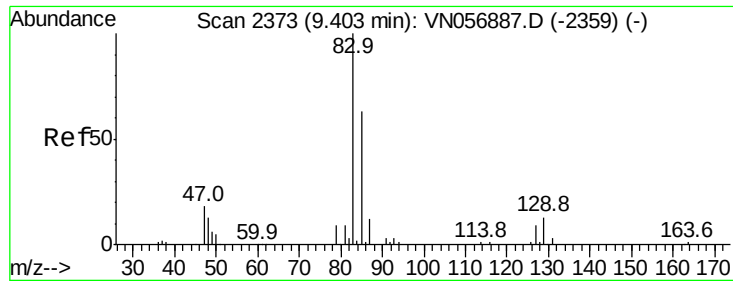
MMDadoda  
 7/25/2019 2:20:30 PM



#40  
 Dibromomethane  
 Concen: 20.570 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.7  | 0.0   | 165.8 |
| 174     | 115.3 | 0.0   | 232.4 |





#41

Bromodichloromethane

Concen: 20.120 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

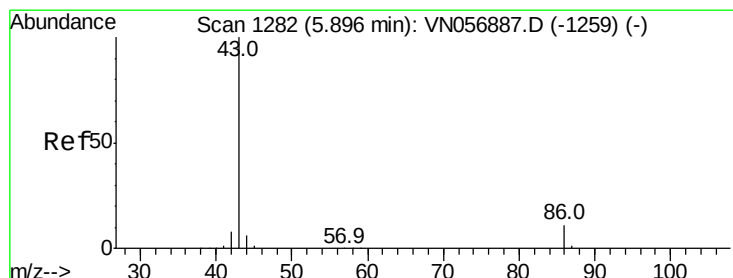
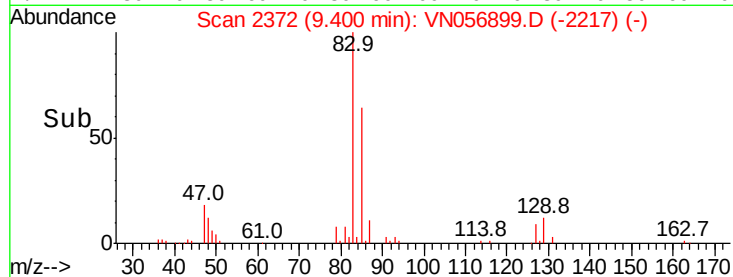
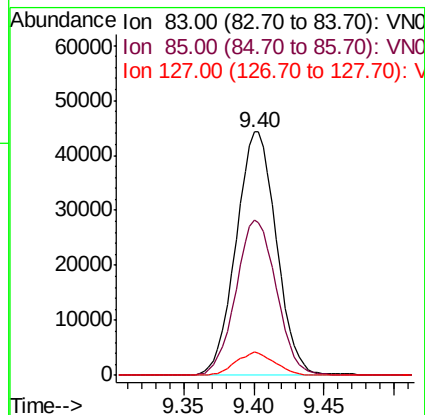
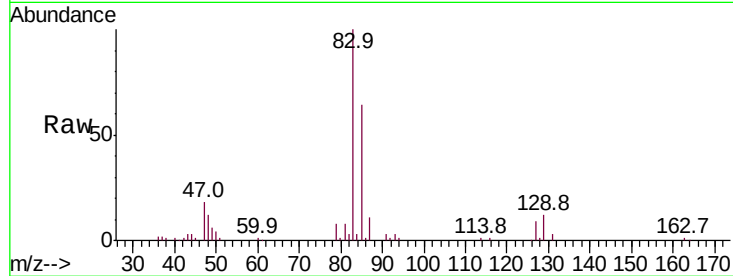
ClientSampleId :

VN0724WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 88710 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 63.7  | 50.6  | 75.8  |
| 127       | 9.5   | 7.2   | 10.8  |

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#42

Vinyl Acetate

Concen: 99.784 ug/l

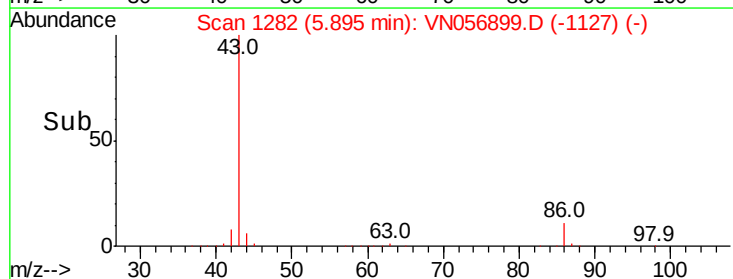
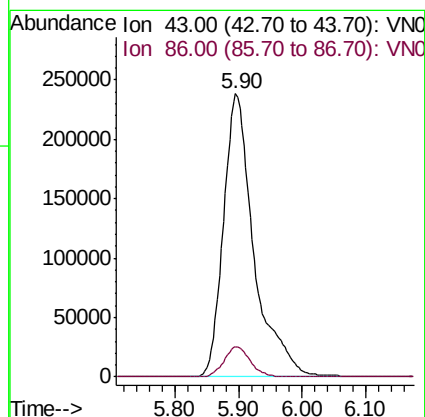
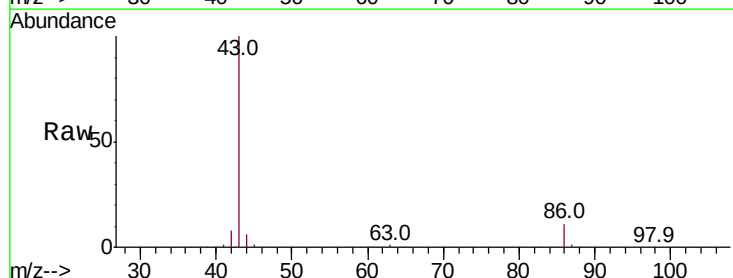
RT: 5.90 min Scan# 1282

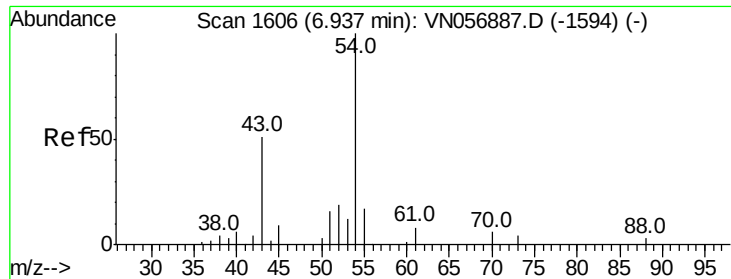
Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 793959 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 86        | 9.2   | 7.4   | 11.2   |





#43

Ethyl Acetate

Concen: 19.919 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 43 Resp: 72959

Ion Ratio Lower Upper

43 100

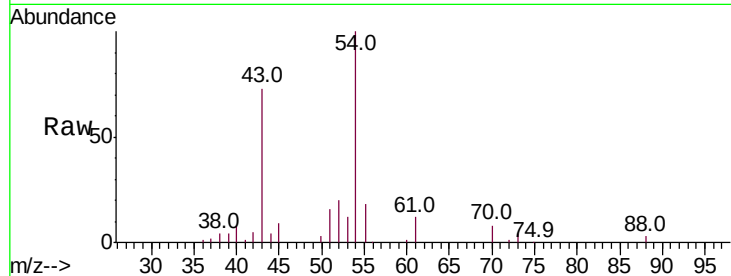
45 13.4 10.2 15.2

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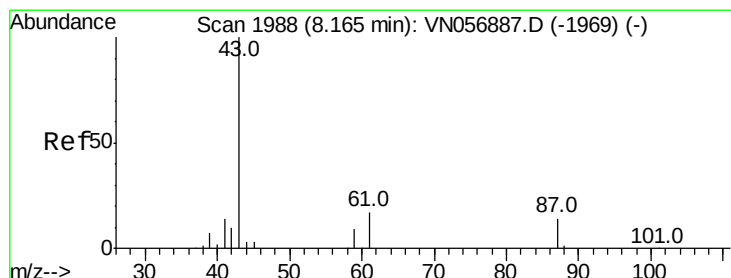
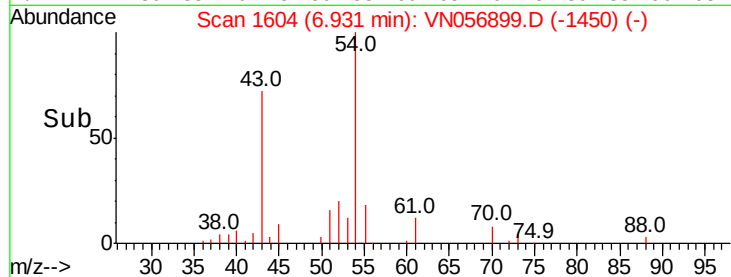
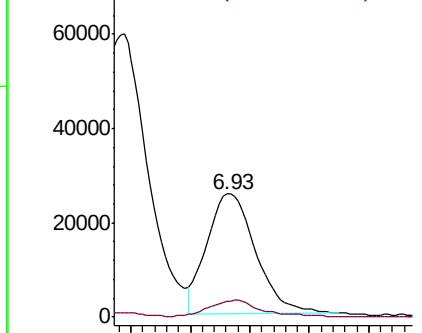
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.930 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056899.D

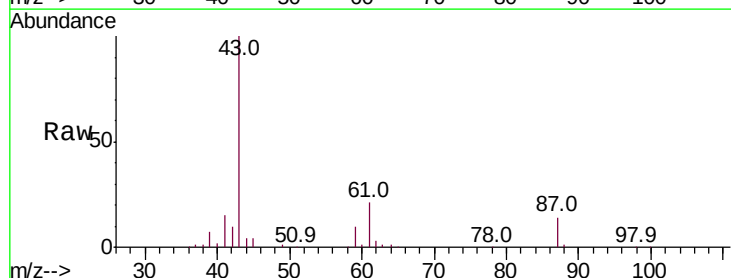
Acq: 24 Jul 2019 1:30

Tgt Ion: 43 Resp: 121682

Ion Ratio Lower Upper

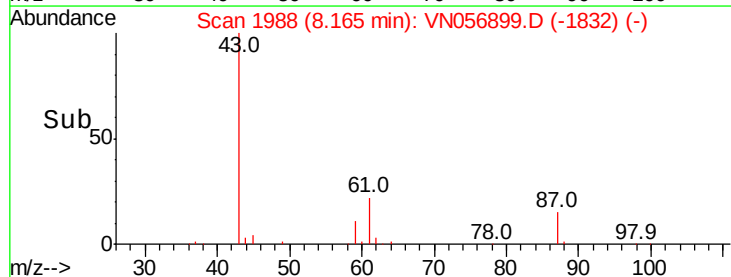
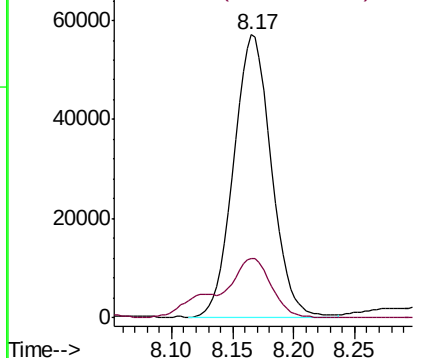
43 100

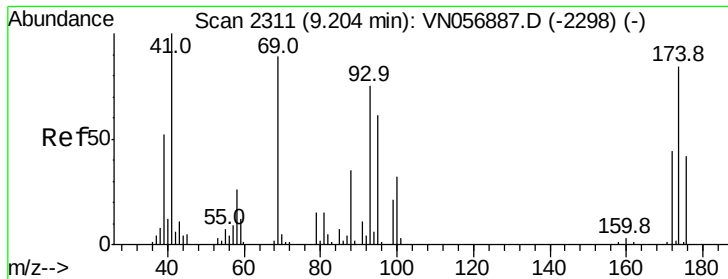
61 21.4 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





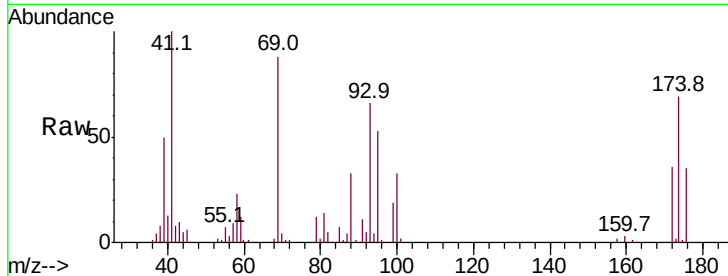
#45  
 1,4-Dioxane  
 Concen: 403.089 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0724WBSD01

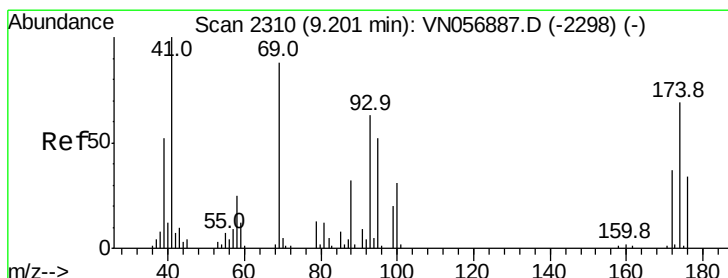
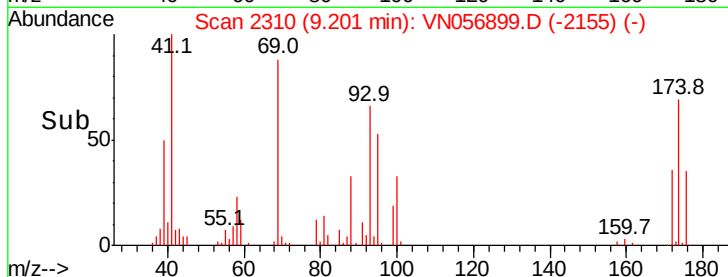
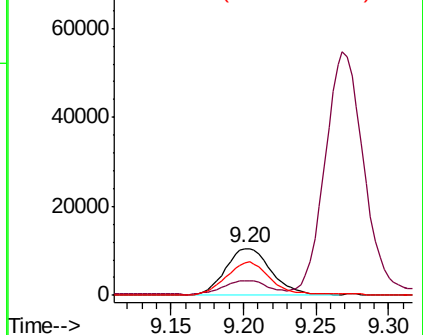
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 28.4  | 23.4  | 35.0  |
| 58      | 68.9  | 58.5  | 87.7  |

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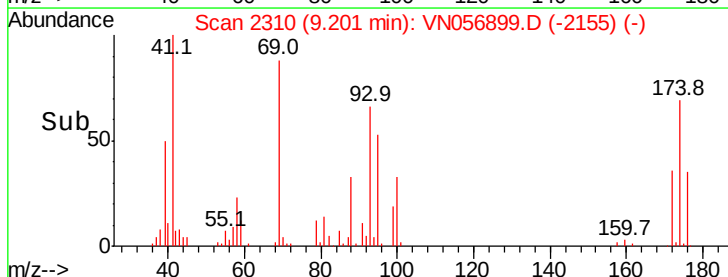
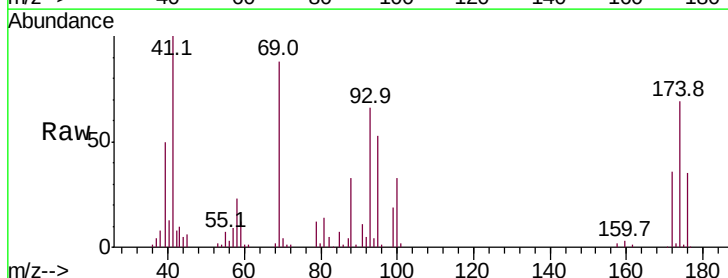
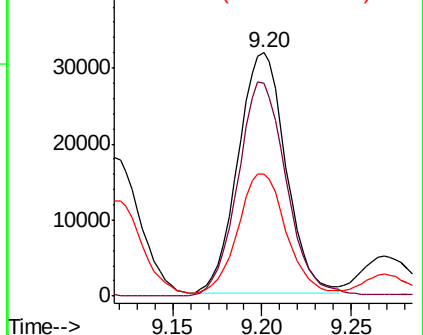
Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

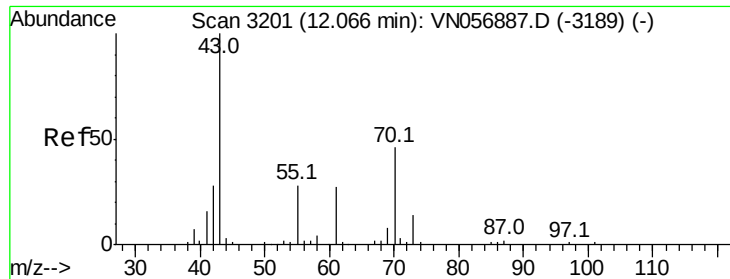


#46  
 Methyl methacrylate  
 Concen: 19.436 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 88.6  | 44.0  | 132.0 |
| 39      | 49.3  | 25.8  | 77.4  |

Abundance Ion 41.00 (40.70 to 41.70): VN0  
 Ion 69.00 (68.70 to 69.70): VN0  
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 19.075 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 43 Resp: 93227

Ion Ratio Lower Upper

43 100

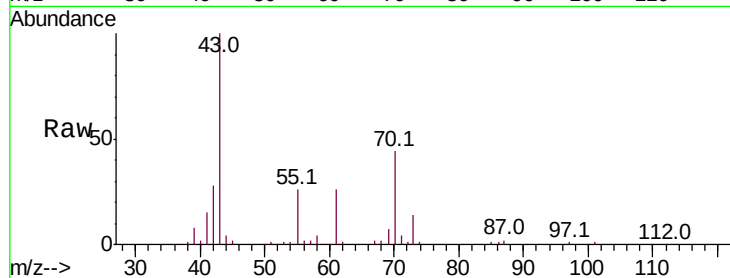
55 26.4 21.3 31.9

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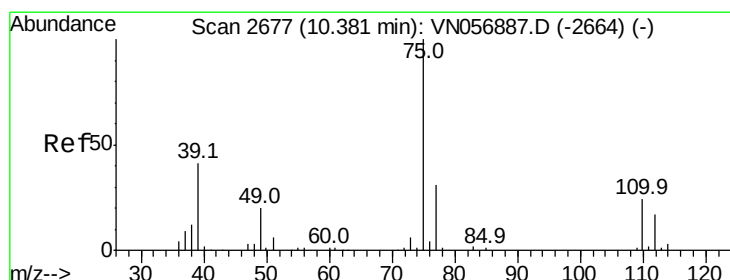
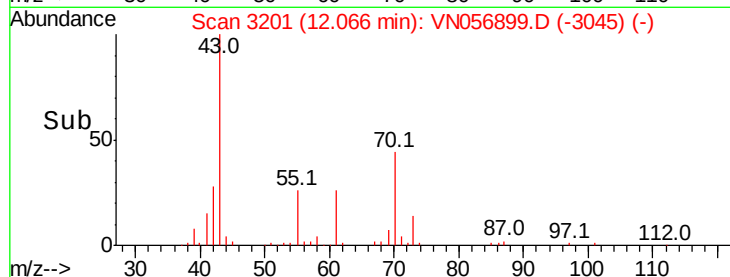
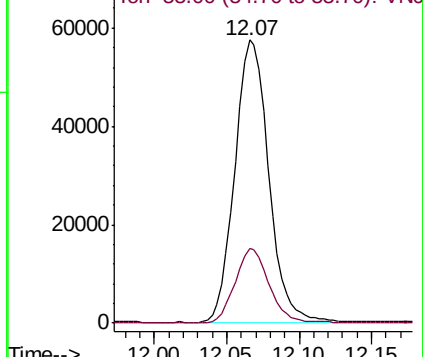
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.789 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056899.D

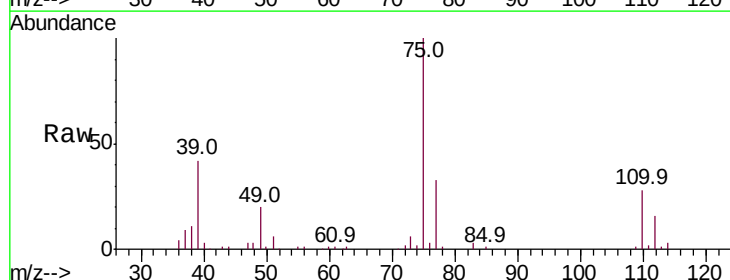
Acq: 24 Jul 2019 1:30

Tgt Ion: 75 Resp: 86207

Ion Ratio Lower Upper

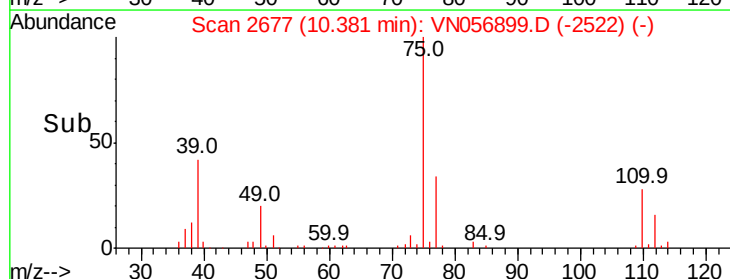
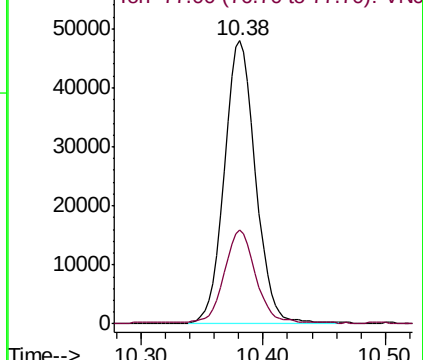
75 100

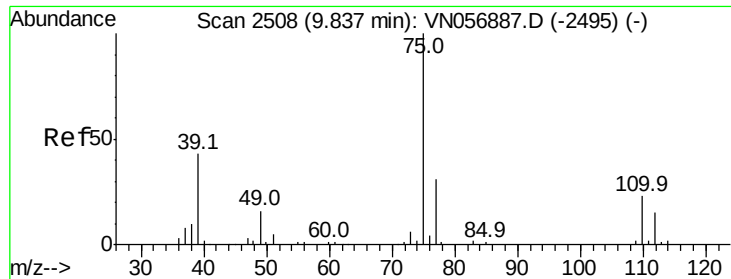
77 32.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





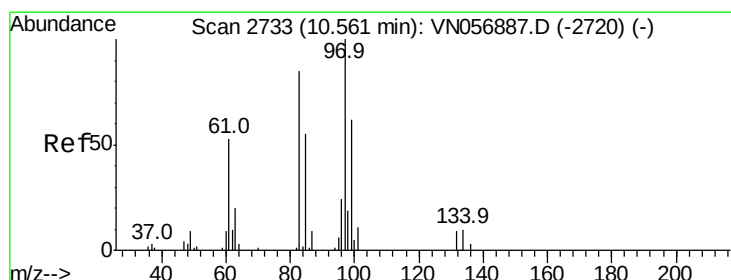
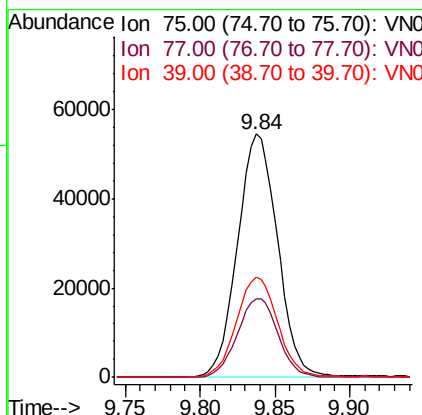
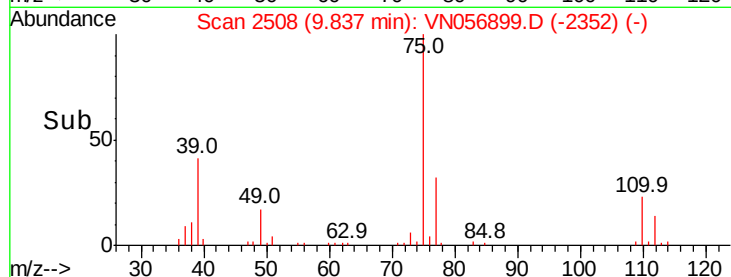
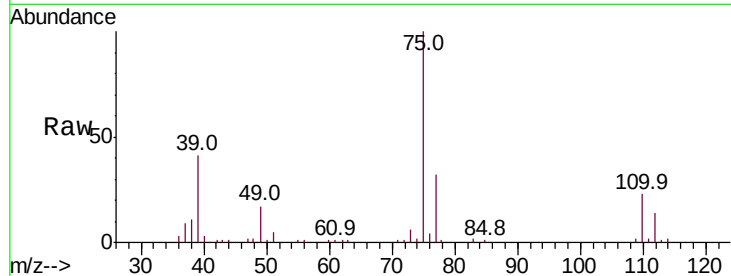
#49  
 cis-1,3-Dichloropropene  
 Concen: 18.997 ug/l  
 RT: 9.84 min Scan# 2508  
 Delta R.T. 0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.3  | 24.4  | 36.6  |
| 39      | 41.0  | 34.2  | 51.4  |

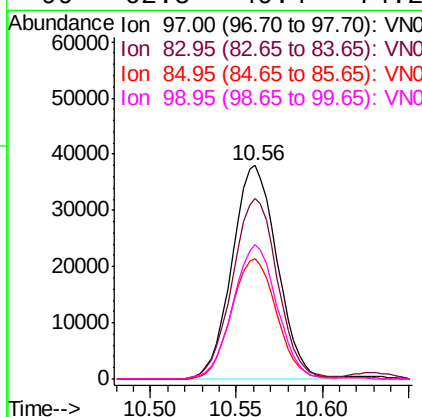
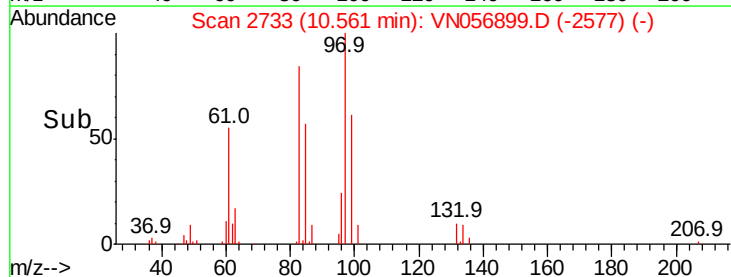
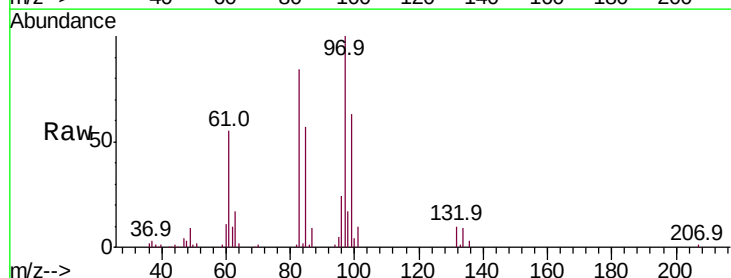
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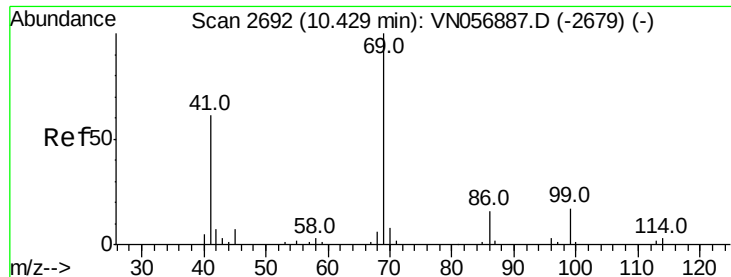
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#50  
 1,1,2-Trichloroethane  
 Concen: 21.074 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 83.6  | 68.4  | 102.6 |
| 85      | 56.6  | 44.3  | 66.5  |
| 99      | 62.5  | 49.4  | 74.2  |





#51

Ethyl methacrylate

Concen: 19.799 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

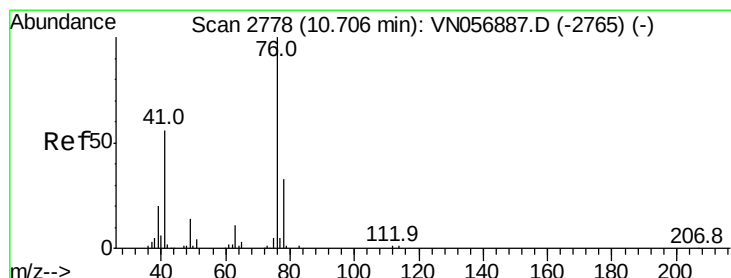
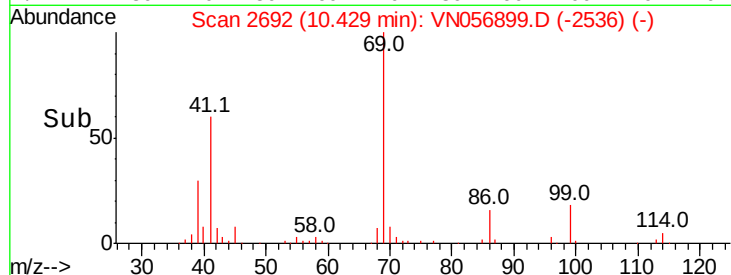
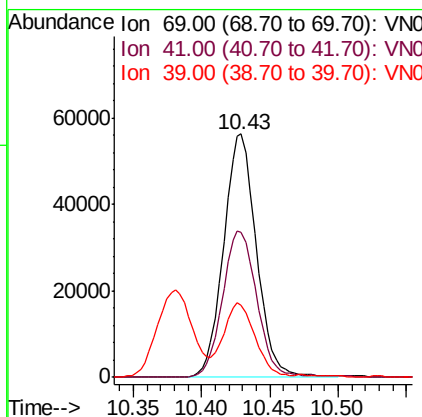
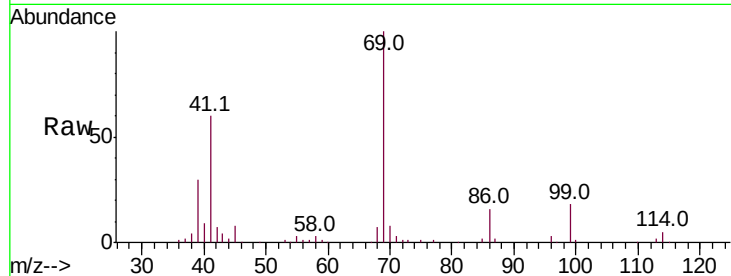
ClientSampled :

VN0724WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 69    | Resp: | 94343 |
| Ion Ratio | Lower | Upper |       |
| 69        | 100   |       |       |
| 41        | 59.3  | 30.4  | 91.3  |
| 39        | 29.0  | 14.2  | 42.6  |

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#52

1,3-Dichloropropane

Concen: 20.499 ug/l

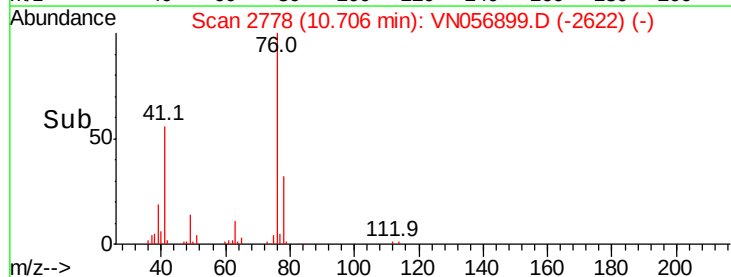
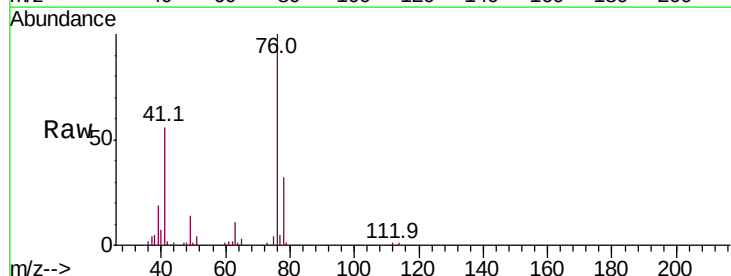
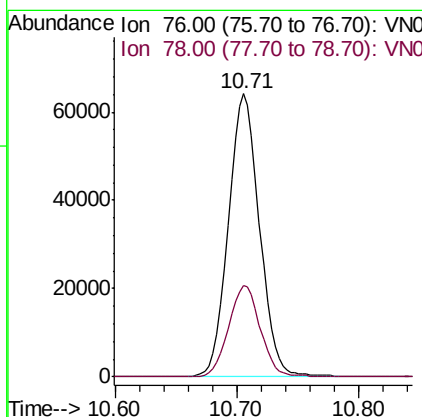
RT: 10.71 min Scan# 2778

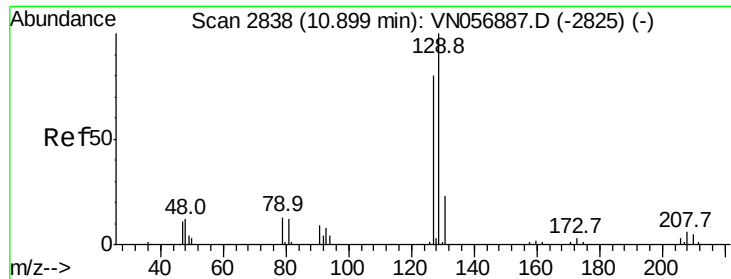
Delta R.T. 0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 76    | Resp: | 113972 |
| Ion Ratio | Lower | Upper |        |
| 76        | 100   |       |        |
| 78        | 32.6  | 0.0   | 64.2   |





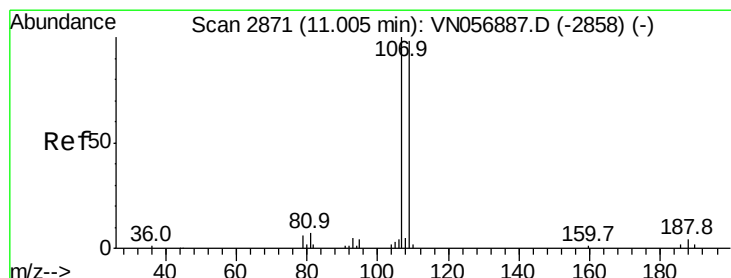
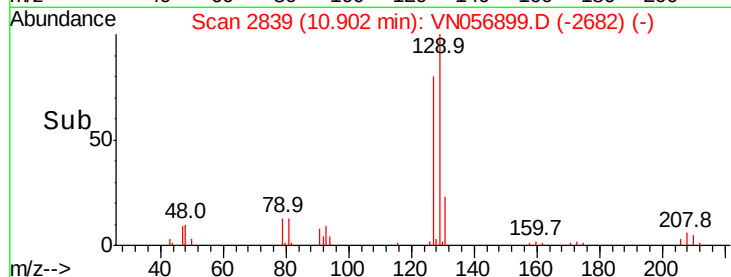
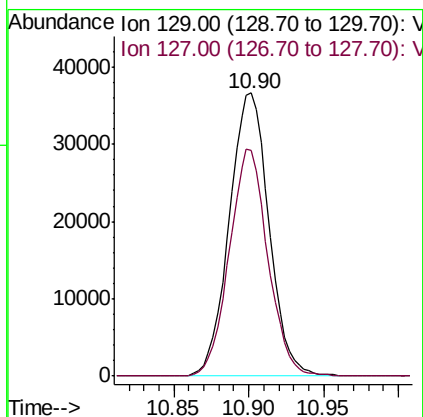
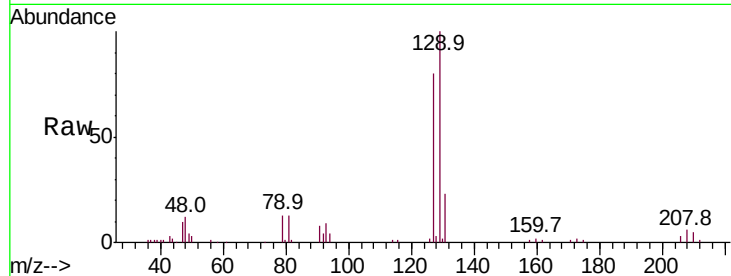
#53  
Dibromochloromethane  
Concen: 19.742 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

Tot Ion:129 Resp: 67602  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.8 116.4

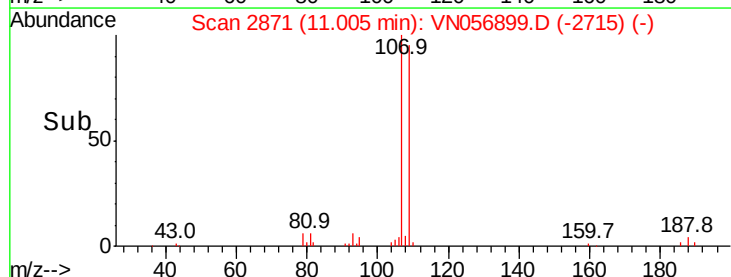
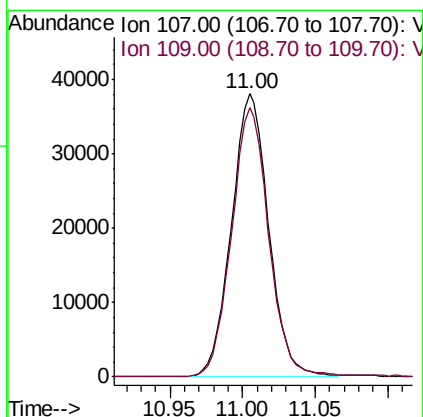
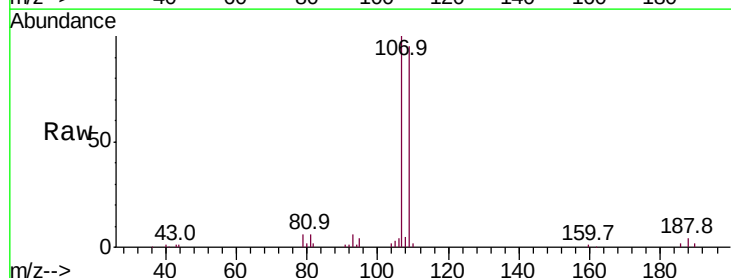
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MMDadoda  
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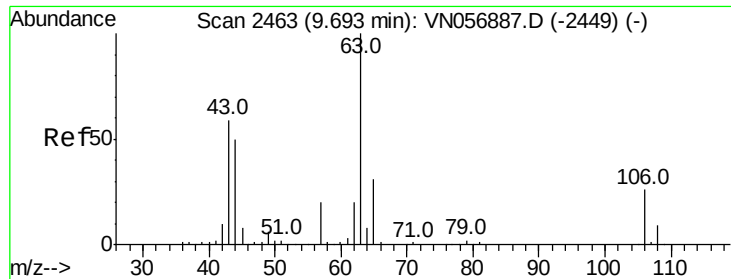


#54  
1,2-Dibromoethane  
Concen: 20.173 ug/l  
RT: 11.00 min Scan# 2871  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Tgt Ion:107 Resp: 67799  
Ion Ratio Lower Upper  
107 100  
109 95.3 76.2 114.2







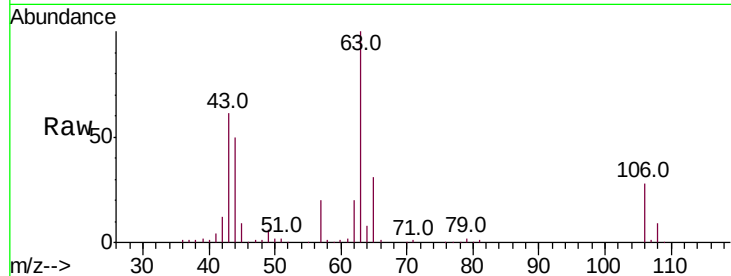
#55  
 2-Chloroethyl vinyl ether  
 Concen: 92.074 ug/l  
 RT: 9.69 min Scan# 2463  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.1  | 25.1  | 37.7  |
| 106     | 27.1  | 21.5  | 32.3  |

Manual Integrations  
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 7/25/2019 2:20:30 PM

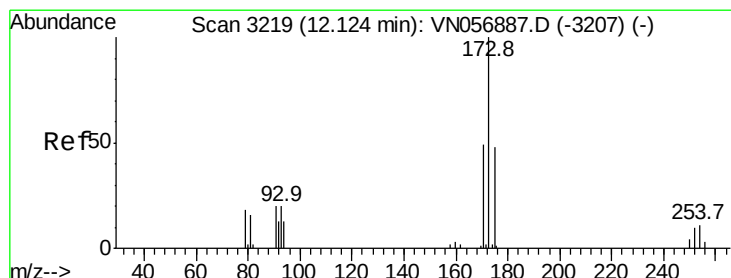
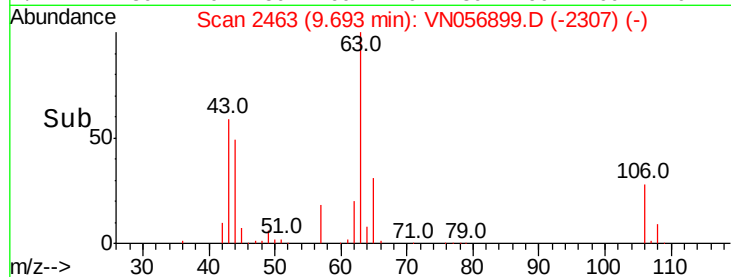
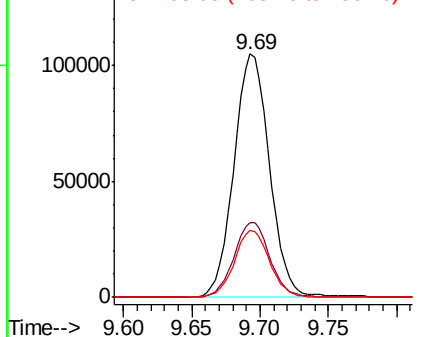


Abundance

Ion 63.00 (62.70 to 63.70): VN056887.D (-2449) (-)

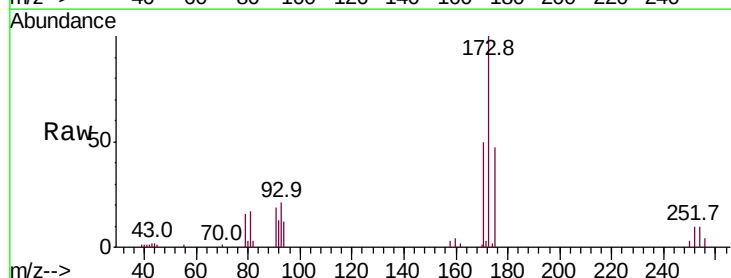
Ion 65.00 (64.70 to 65.70): VN056887.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN056887.D (-2449) (-)



#56  
 Bromoform  
 Concen: 19.162 ug/l  
 RT: 12.12 min Scan# 3219  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.9  | 38.8  | 58.2  |
| 254     | 9.5   | 8.1   | 12.1  |

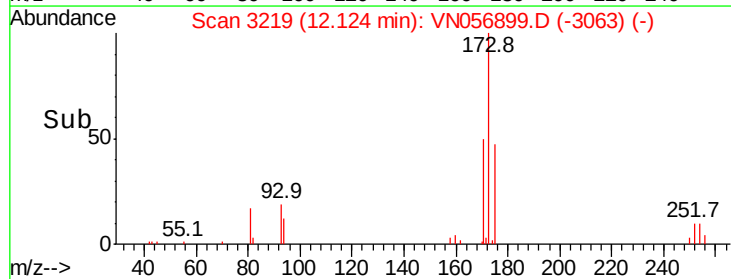
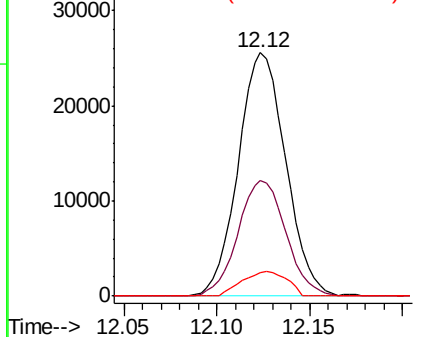


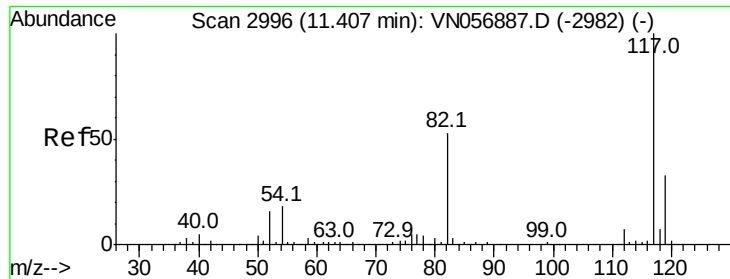
Abundance

Ion 173.00 (172.70 to 173.70): VN056887.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056887.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056887.D (-3207) (-)





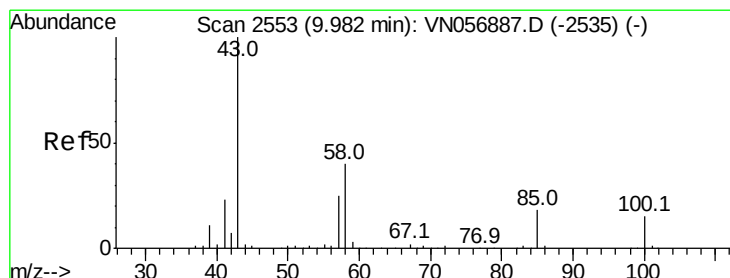
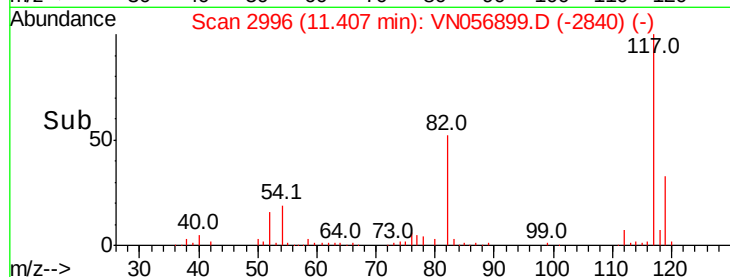
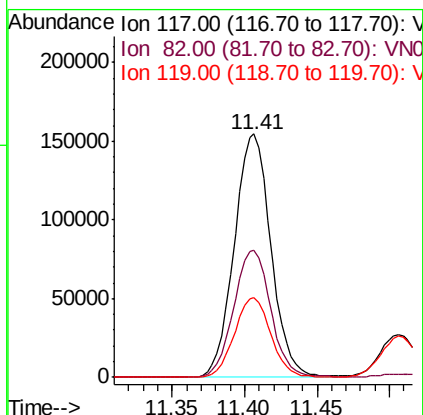
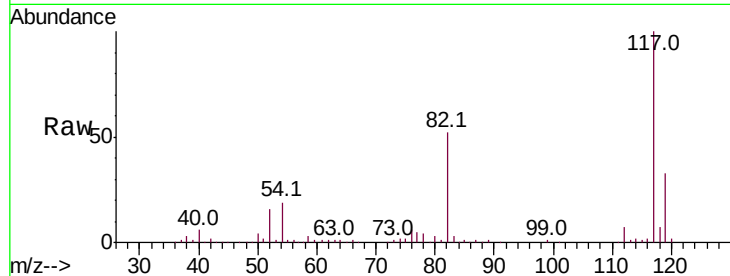
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.9  | 43.0  | 64.4  |
| 119     | 32.5  | 26.2  | 39.2  |

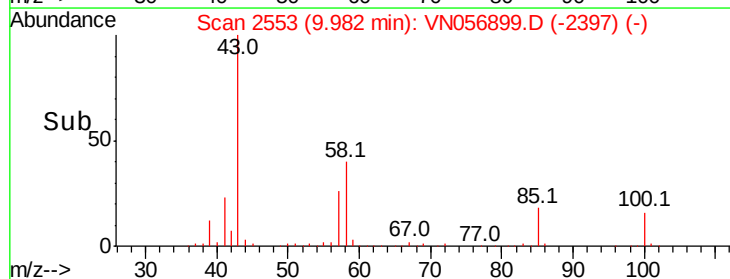
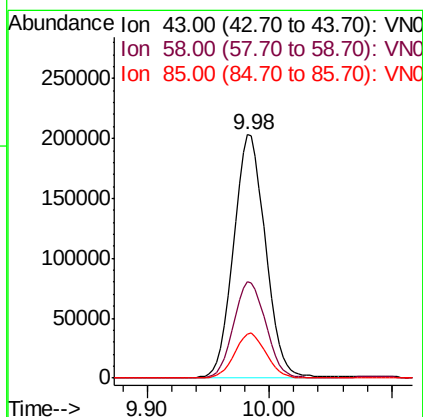
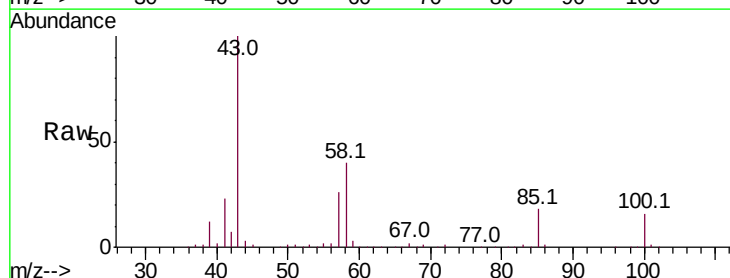
Manual Integrations  
APPROVED

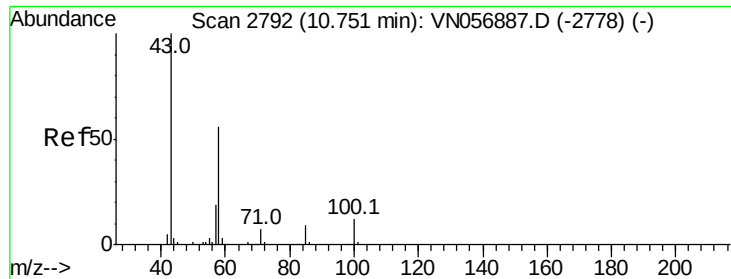
MMDadoda  
7/25/2019 2:20:30 PM



#58  
4-Methyl-2-Pentanone  
Concen: 100.734 ug/l  
RT: 9.98 min Scan# 2553  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.3  | 31.7  | 47.5  |
| 85      | 18.2  | 14.5  | 21.7  |





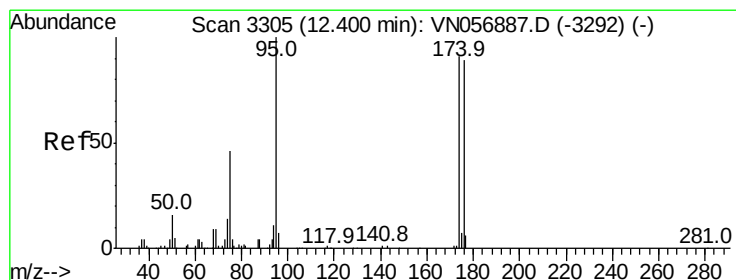
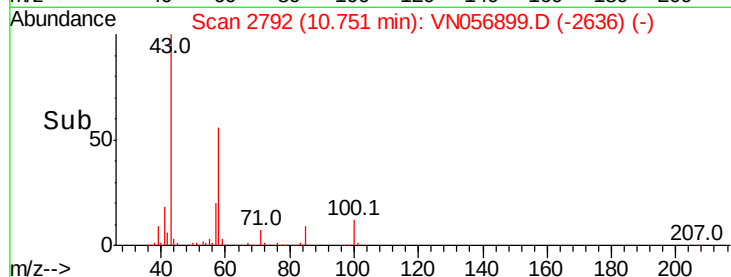
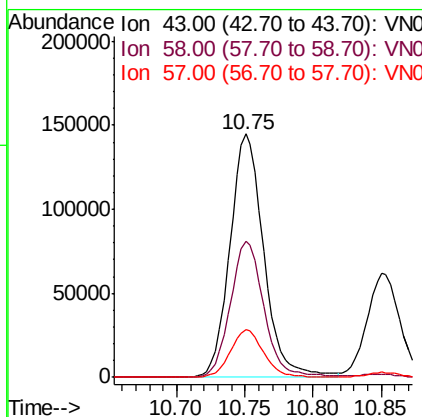
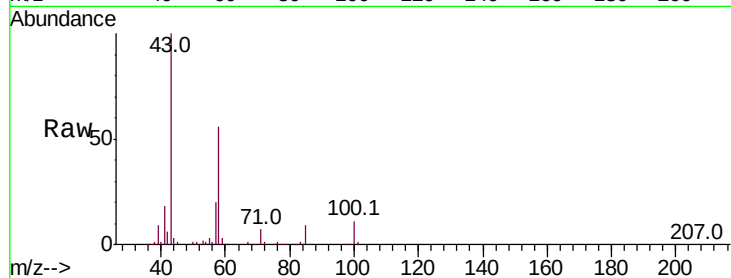
#59  
2-Hexanone  
Concen: 99.969 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.0  | 45.0  | 67.4  |
| 57      | 19.4  | 15.4  | 23.0  |

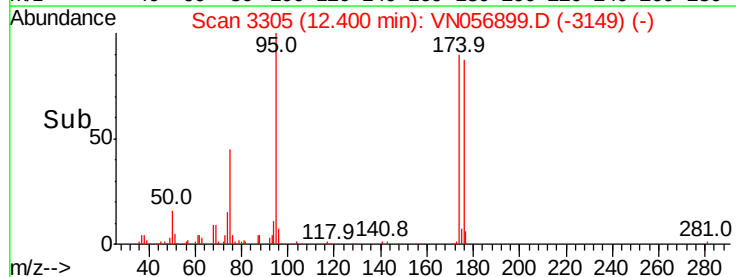
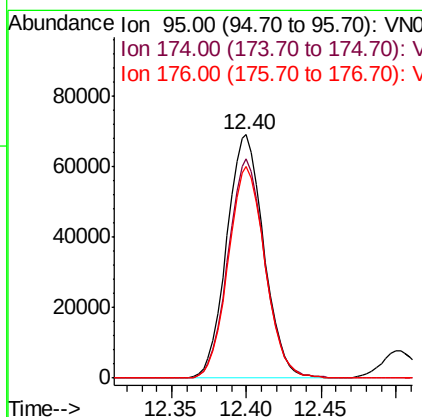
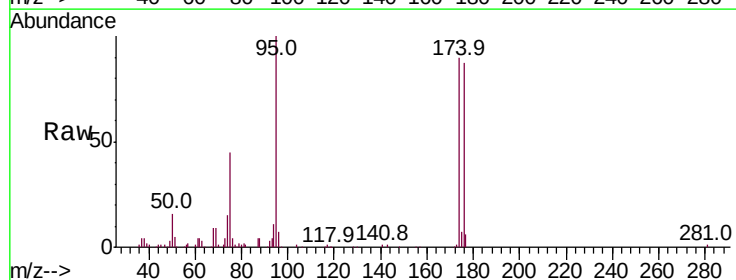
Manual Integrations  
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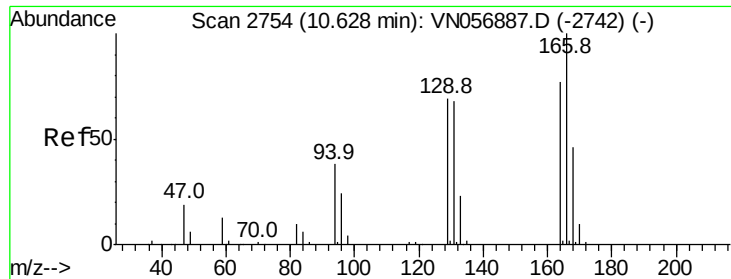
MMDadoda  
7/25/2019 2:20:30 PM



#60  
4-Bromofluorobenzene  
Concen: 29.382 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 89.0  | 71.9  | 107.9 |
| 176     | 86.2  | 69.8  | 104.8 |





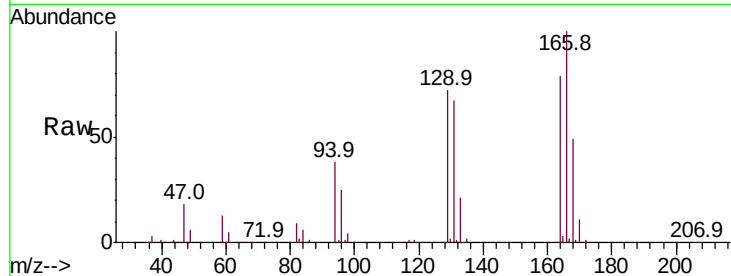
#61  
Tetrachloroethene  
Concen: 21.278 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.2 | 103.9 | 155.9 |
| 129     | 91.7  | 72.4  | 108.6 |
| 131     | 84.8  | 70.3  | 105.5 |

Manual Integrations  
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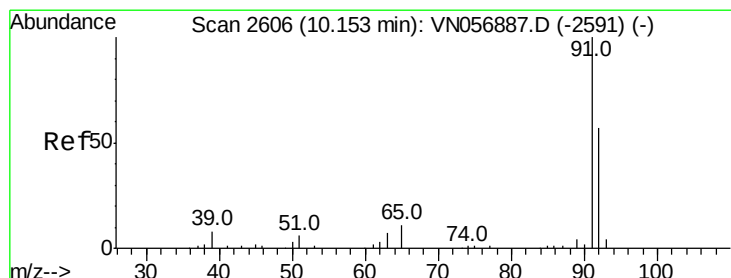
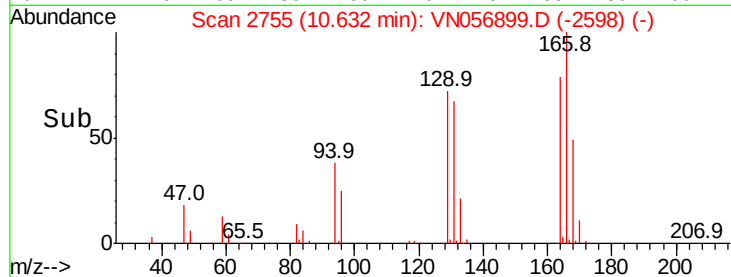
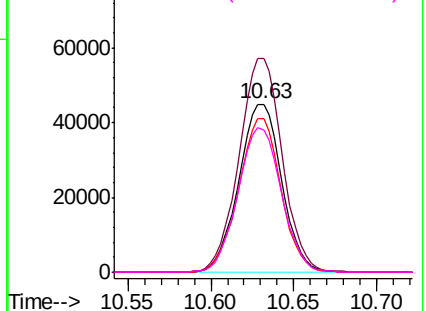
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

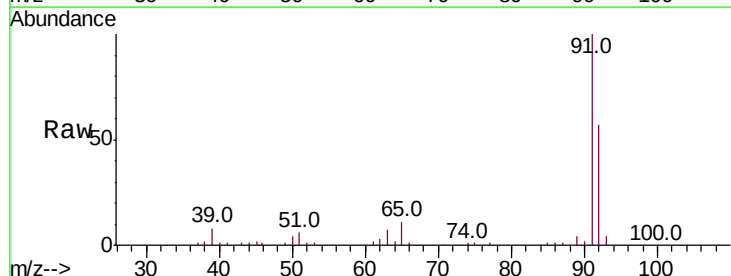
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62  
Toluene  
Concen: 20.777 ug/l  
RT: 10.15 min Scan# 2606  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

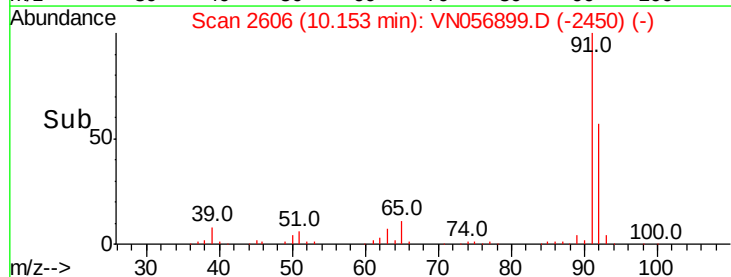
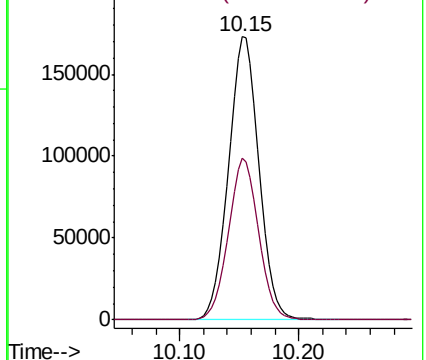
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 56.6  | 46.1  | 69.1  |

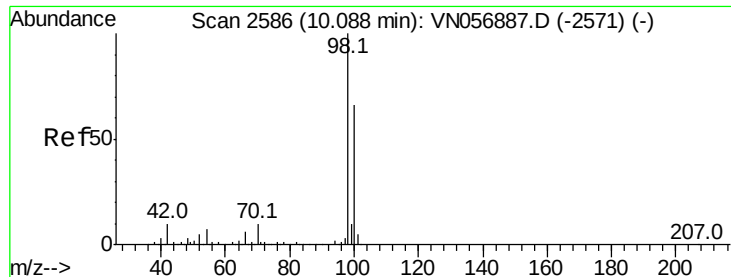


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





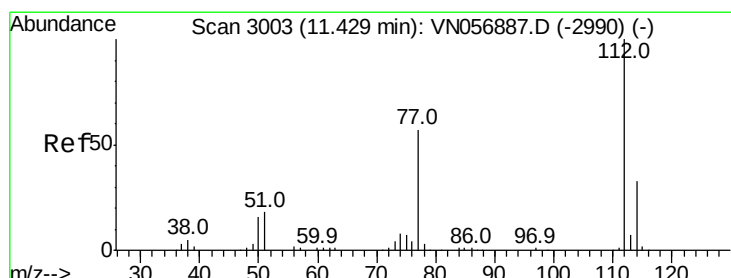
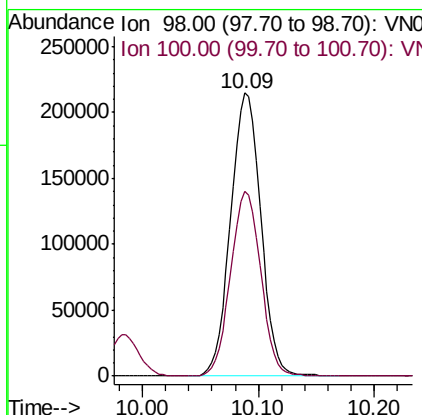
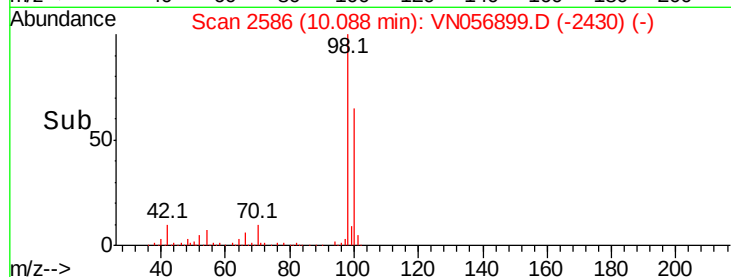
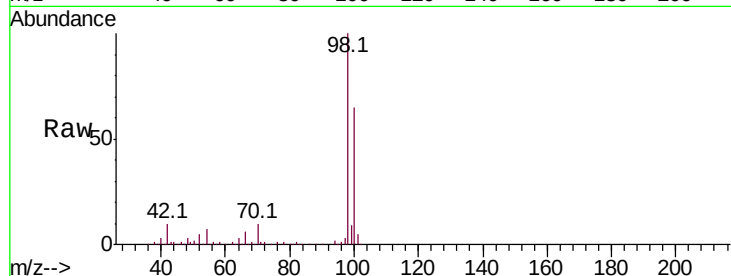
#63  
Toluene-d8  
Concen: 30.345 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

Tot Ion: 98 Resp: 388922  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.4 77.2

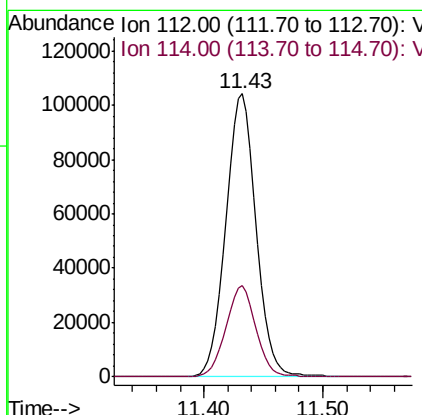
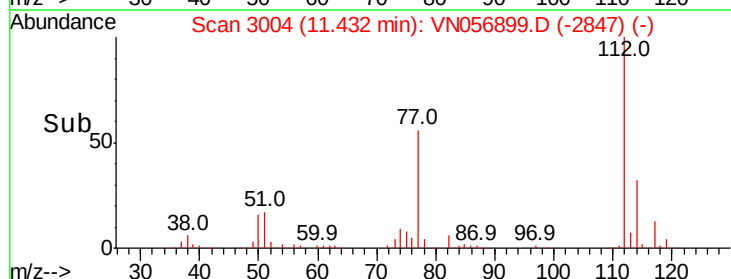
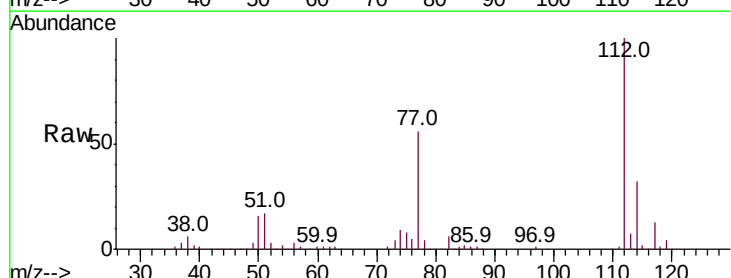
Manual Integrations  
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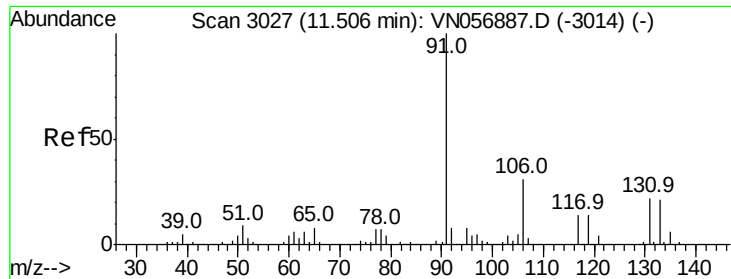
MMDadoda  
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#64  
Chlorobenzene  
Concen: 20.645 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Tgt Ion: 112 Resp: 183509  
Ion Ratio Lower Upper  
112 100  
114 32.2 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 20.347 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

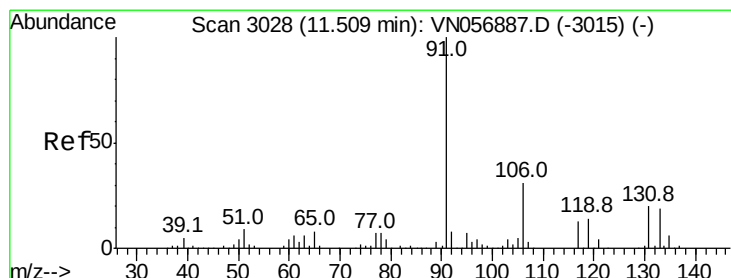
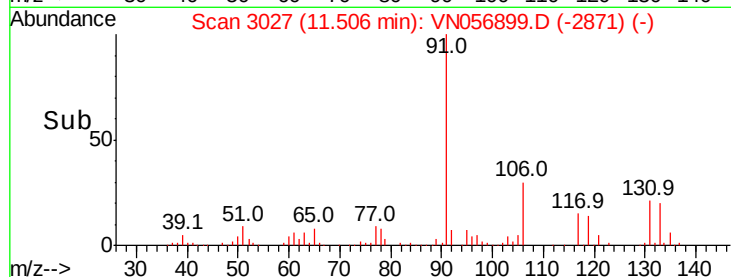
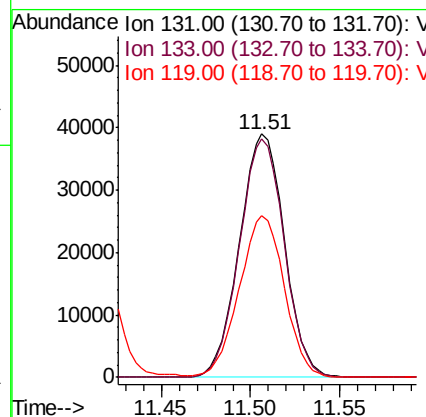
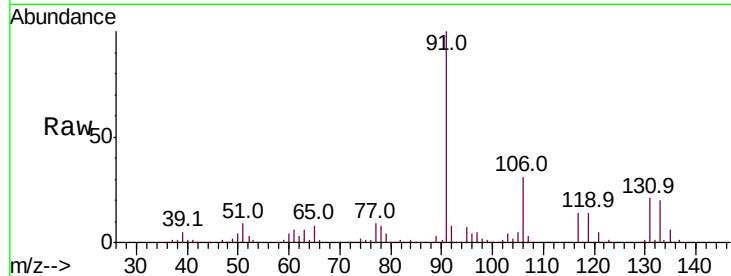
ClientSampleId :

VN0724WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 131   | Resp: | 68502 |
| Ion Ratio | Lower | Upper |       |
| 131       | 100   |       |       |
| 133       | 97.3  | 0.0   | 189.6 |
| 119       | 66.5  | 0.0   | 133.6 |

Manual Integrations  
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#66

Ethyl Benzene

Concen: 20.605 ug/l

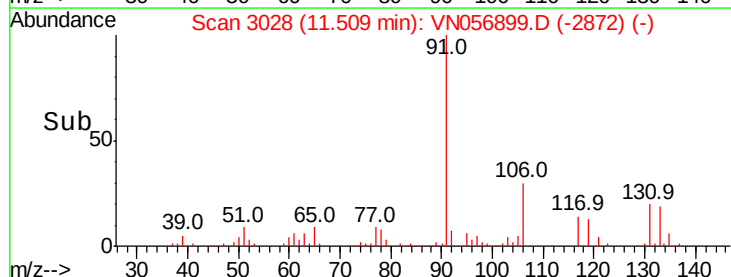
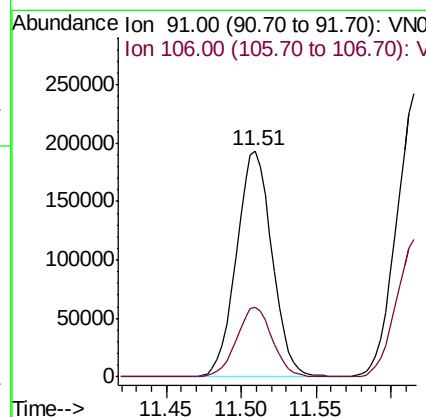
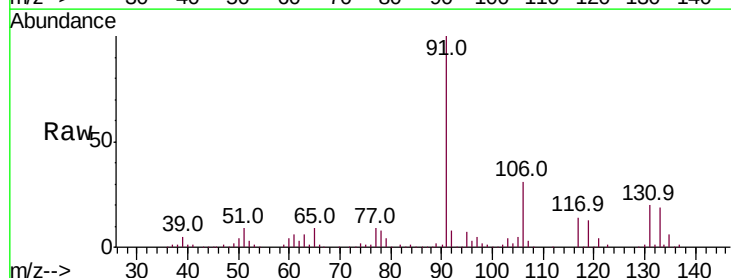
RT: 11.51 min Scan# 3028

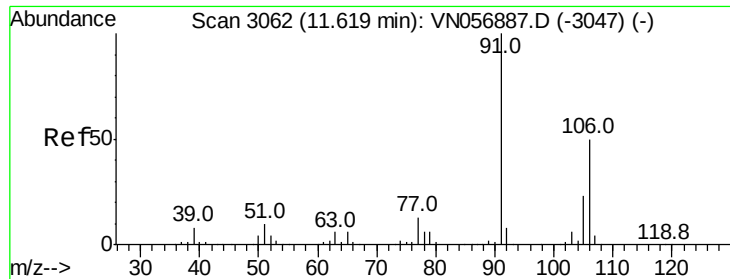
Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 320409 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 30.9  | 24.9  | 37.3   |





#67

m/p-Xylenes

Concen: 41.067 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

ClientSampled :

VN0724WBSD01

Tot Ion:106 Resp: 238130

Ion Ratio Lower Upper

106 100

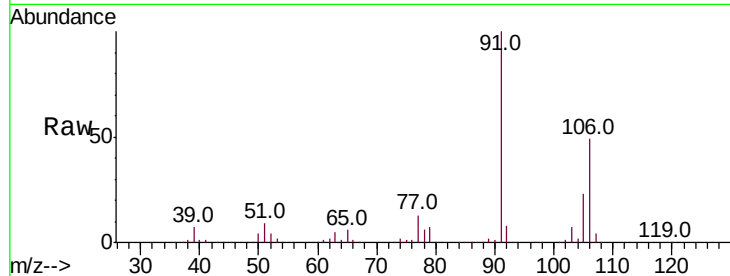
91 202.5 160.6 240.8

Manual Integrations

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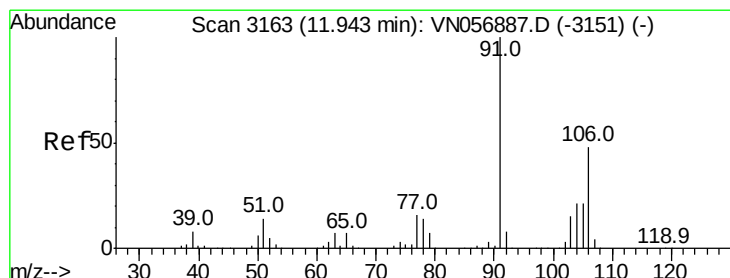
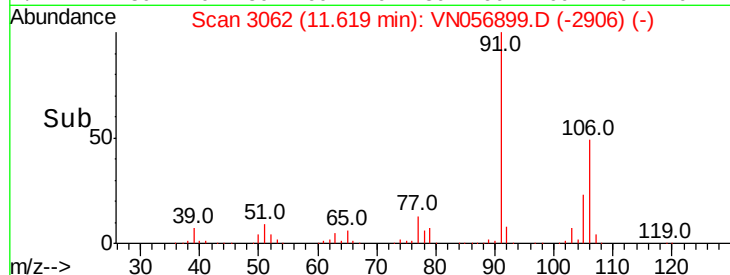
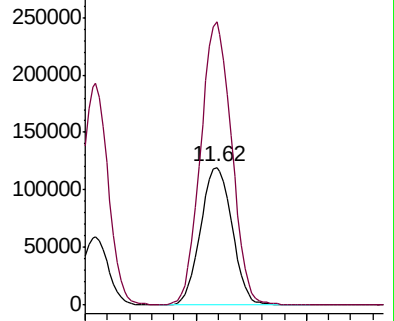
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.496 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN056899.D

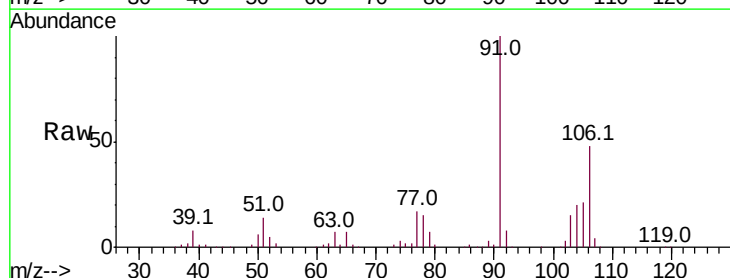
Acq: 24 Jul 2019 1:30

Tgt Ion:106 Resp: 116848

Ion Ratio Lower Upper

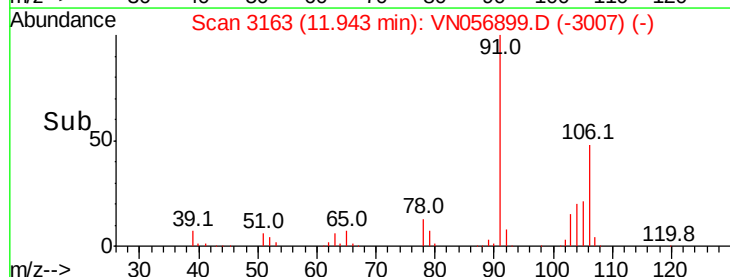
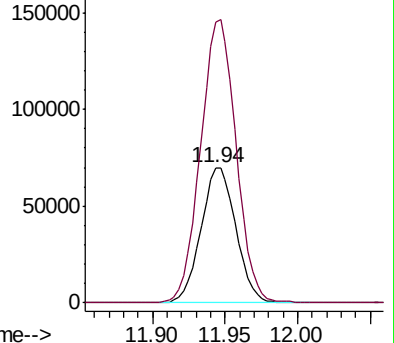
106 100

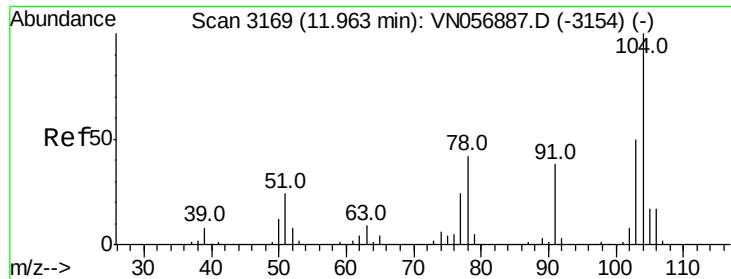
91 213.1 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





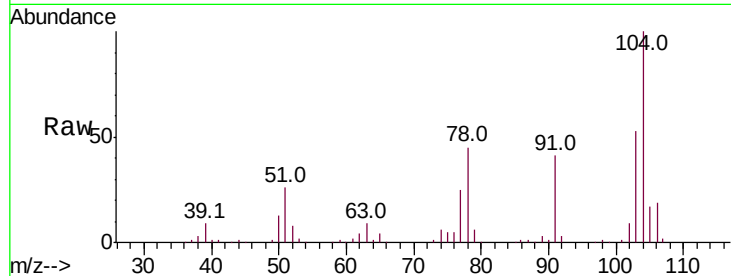
#69  
Stvrene  
Concen: 20.113 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

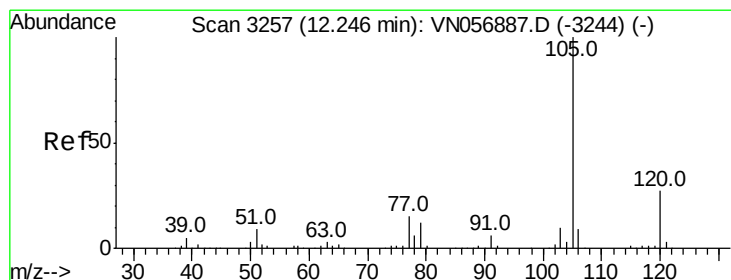
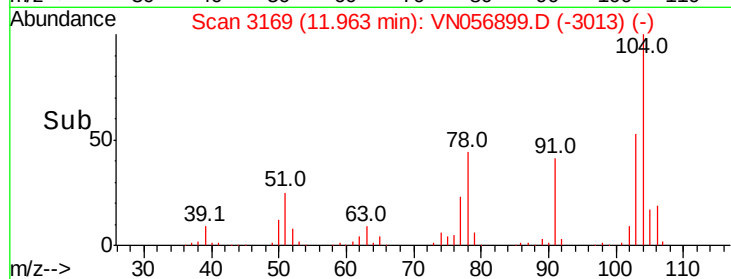
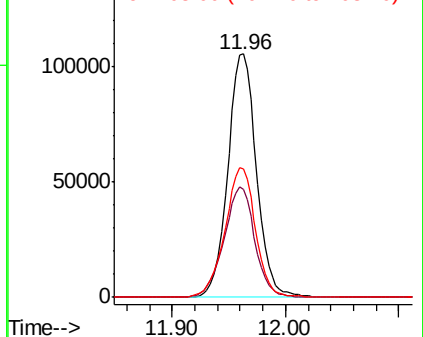
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.6  | 38.5  | 57.7  |
| 103     | 56.7  | 44.7  | 67.1  |

Manual Integrations  
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MMDadoda  
7/25/2019 2:20:30 PM

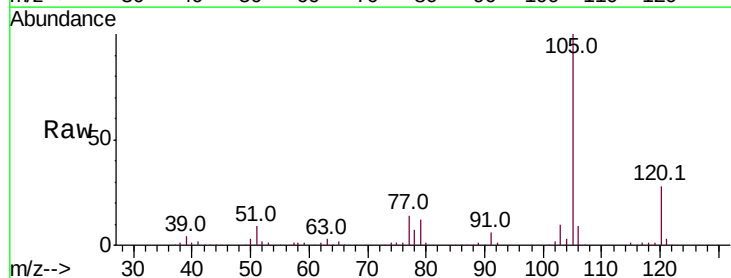


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): V  
Ion 103.00 (102.70 to 103.70): V

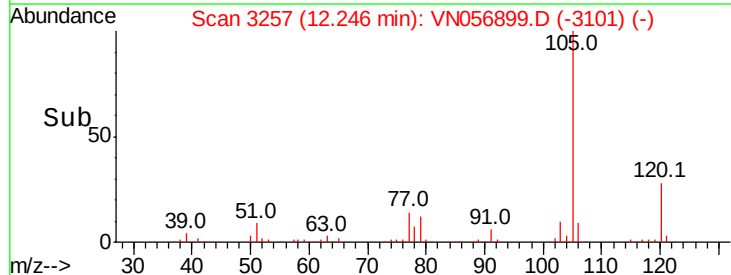
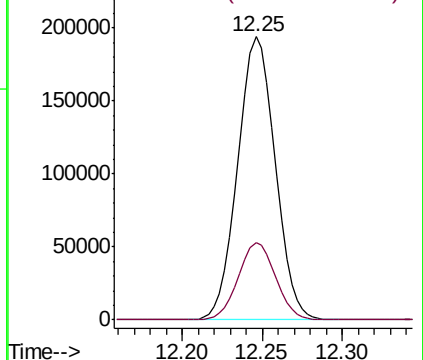


#70  
Isopropylbenzene  
Concen: 20.604 ug/l  
RT: 12.25 min Scan# 3257  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

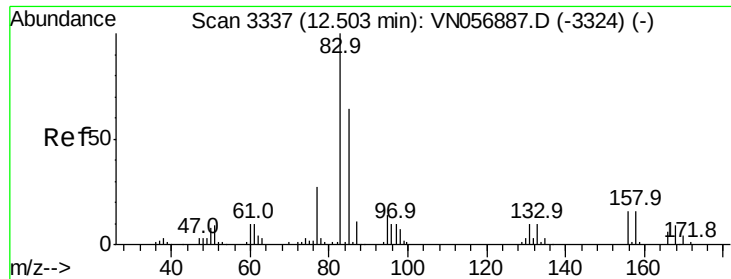
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.3  | 18.7  | 34.7  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V







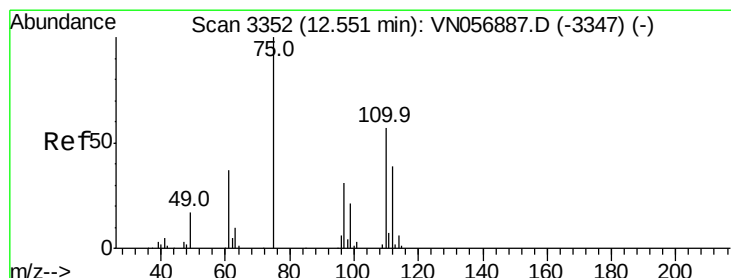
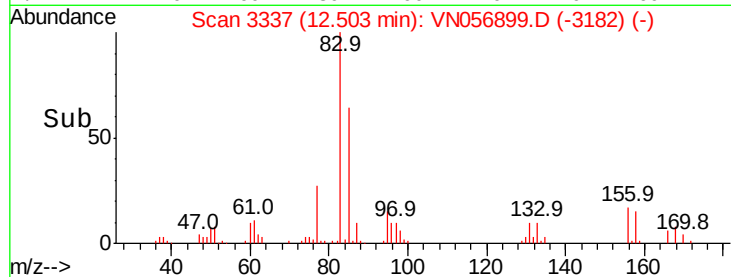
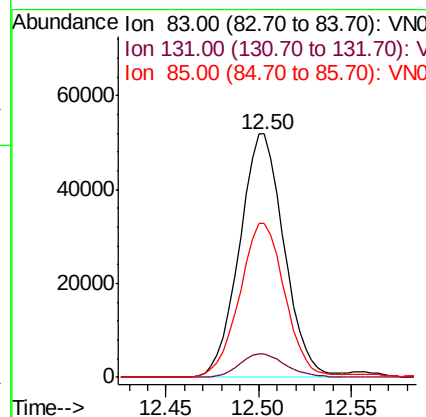
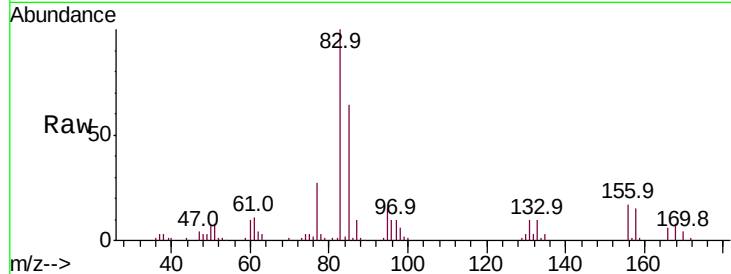
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.662 ug/l  
 RT: 12.50 min Scan# 3337  
 Delta R.T. -0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0724WBSD01

| Tot Ion   | 83   | Resp  | 86874 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 131       | 9.9  | 5.1   | 15.2  |
| 85        | 64.0 | 31.8  | 95.4  |

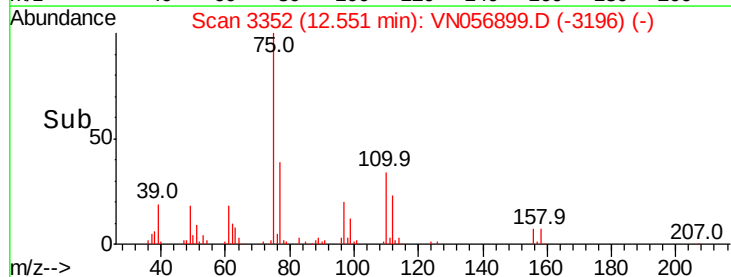
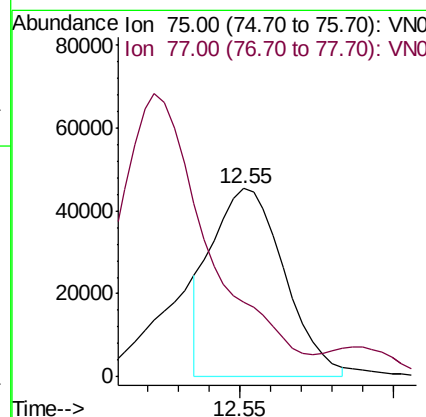
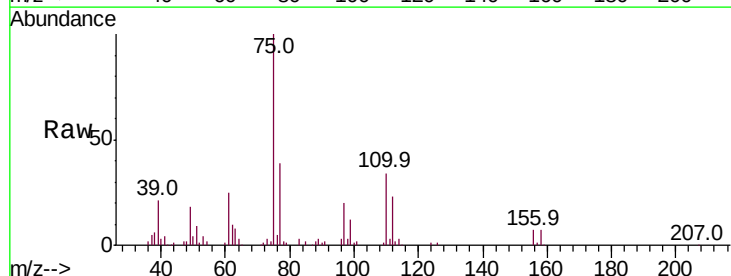
Manual Integrations  
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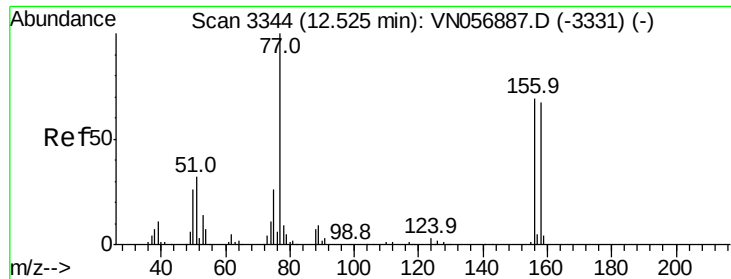
MMDadoda  
 7/25/2019 2:20:30 PM



#72  
 1,2,3-Trichloropropane  
 Concen: 19.989 ug/l m  
 RT: 12.55 min Scan# 3352  
 Delta R.T. 0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion   | 75    | Resp  | 73947 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 77        | 190.4 | 0.0   | 378.6 |





#73

Bromobenzene

Concen: 19.841 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

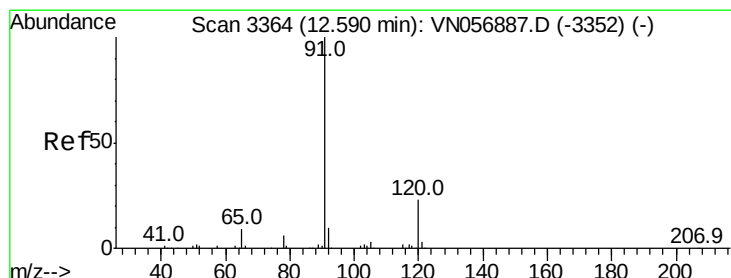
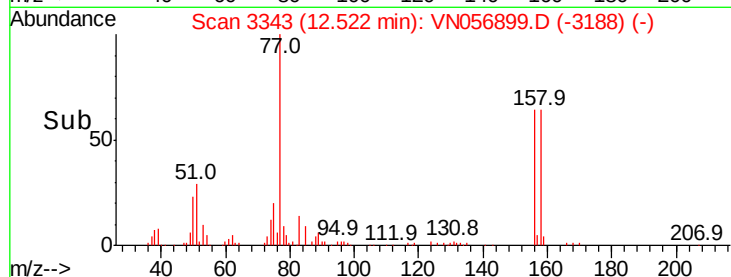
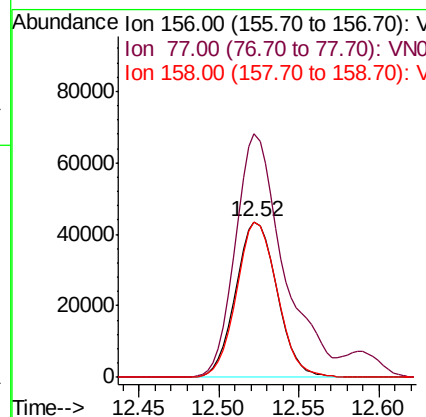
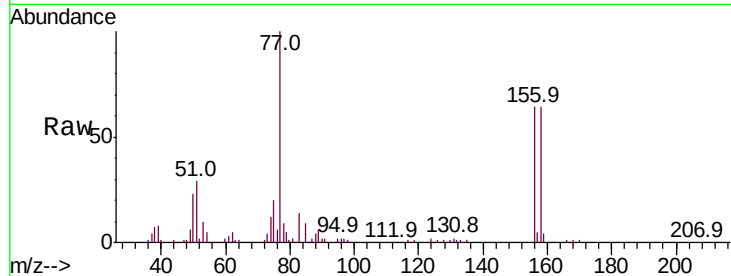
ClientSampleId :

VN0724WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 76857 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 183.2 | 0.0   | 364.6 |
| 158       | 98.2  | 0.0   | 196.2 |

Manual Integrations  
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#74

n-propylbenzene

Concen: 20.030 ug/l

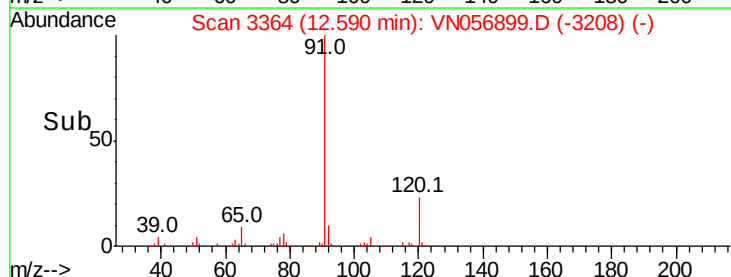
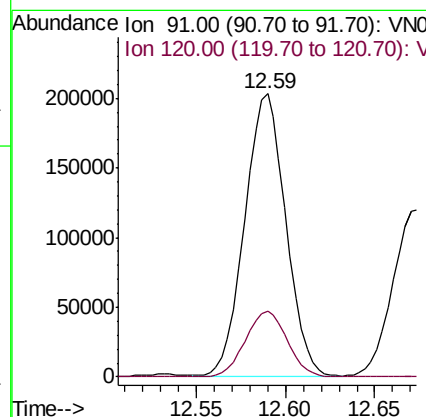
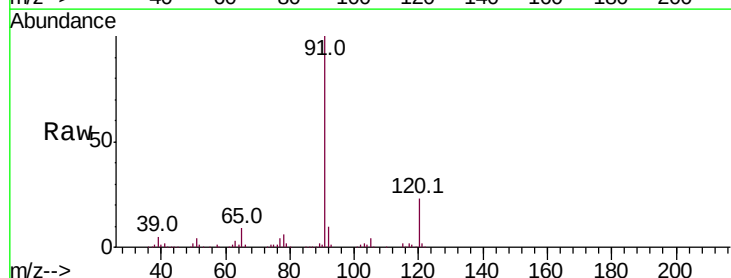
RT: 12.59 min Scan# 3364

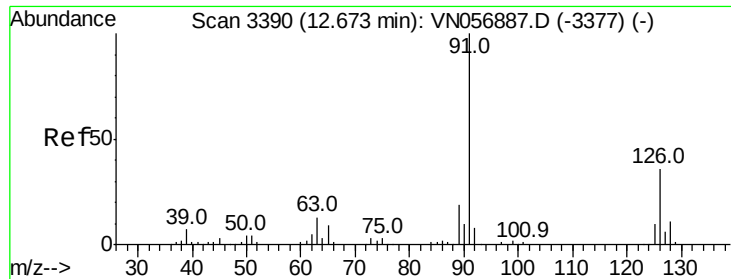
Delta R.T. 0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 328761 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.5  | 0.0   | 46.4   |





#75

2-Chlorotoluene

Concen: 20.511 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

ClientSampled :

VN0724WBSD01

Tot Ion: 91 Resp: 204105

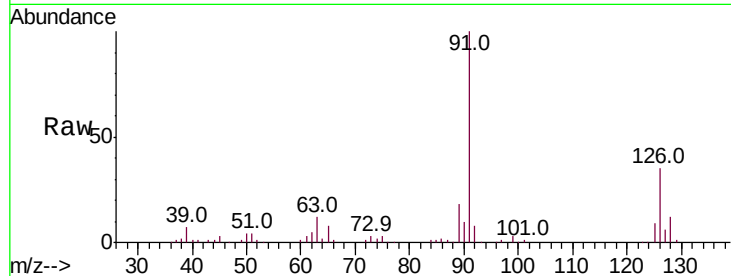
Ion Ratio Lower Upper

91 100

126 34.8 0.0 70.8

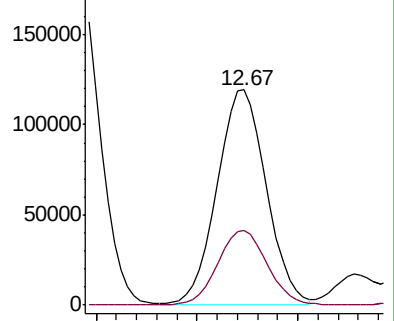
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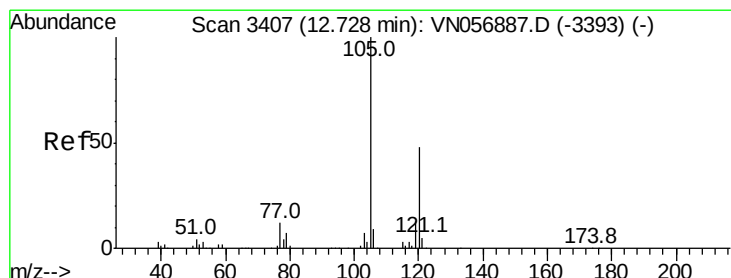
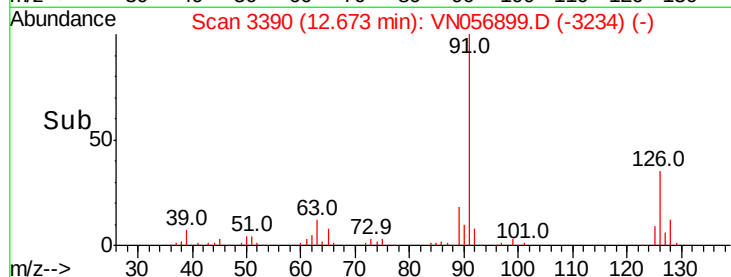


Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.535 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056899.D

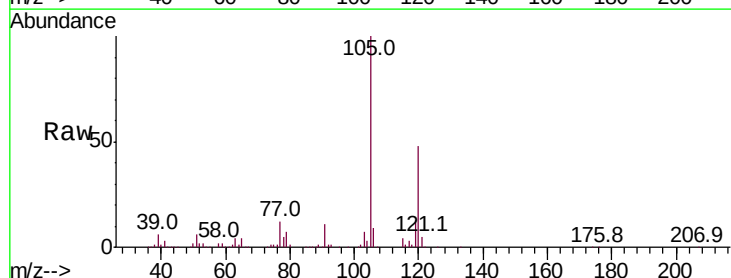
Acq: 24 Jul 2019 1:30

Tgt Ion: 105 Resp: 259510

Ion Ratio Lower Upper

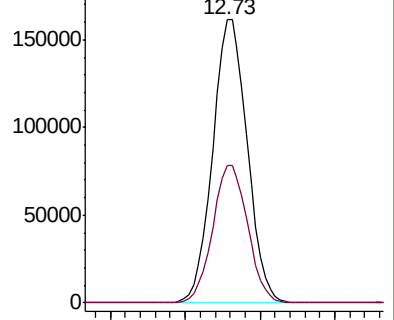
105 100

120 49.1 0.0 97.2

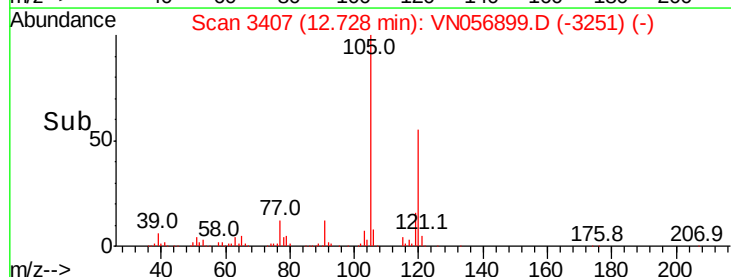


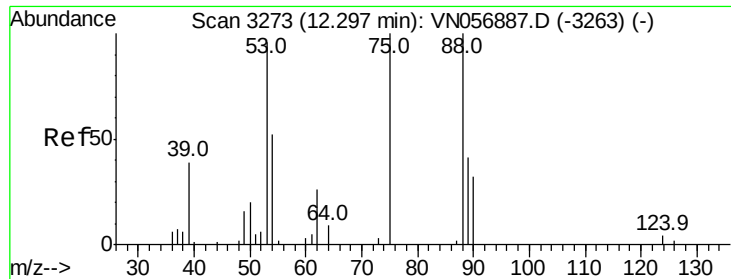
Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)



Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.497 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

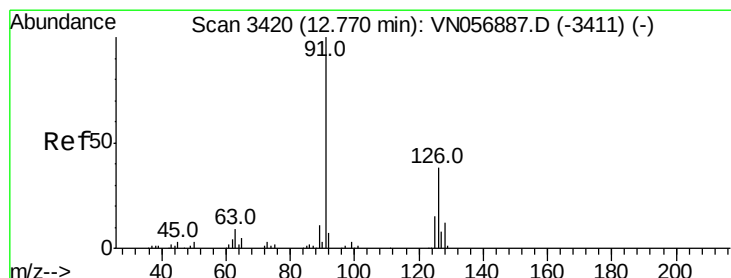
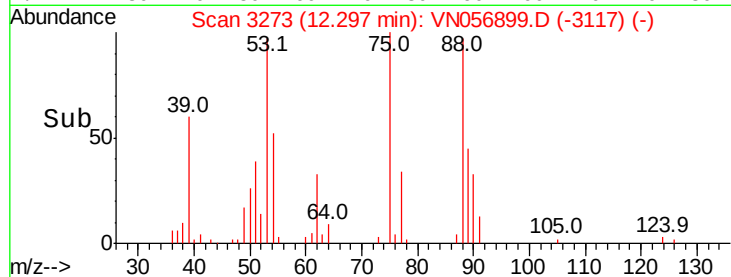
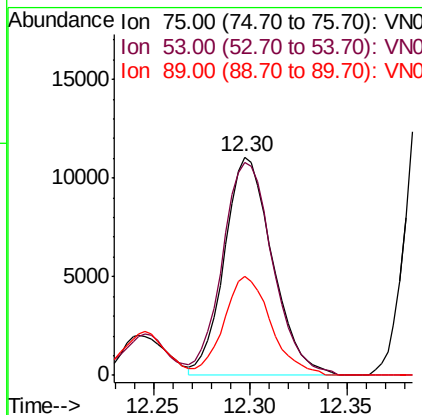
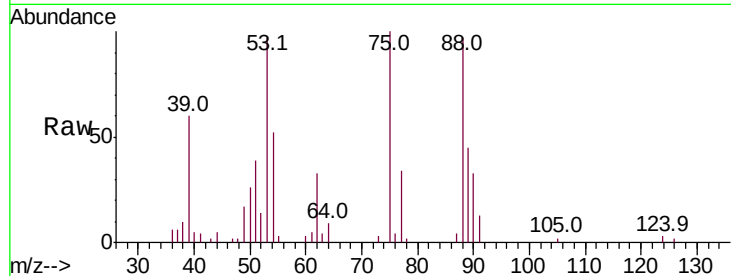
ClientSampleId :

VN0724WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 19161 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 97.1  | 48.0  | 144.0 |
| 89        | 45.0  | 21.4  | 64.3  |

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#78

4-Chlorotoluene

Concen: 19.678 ug/l

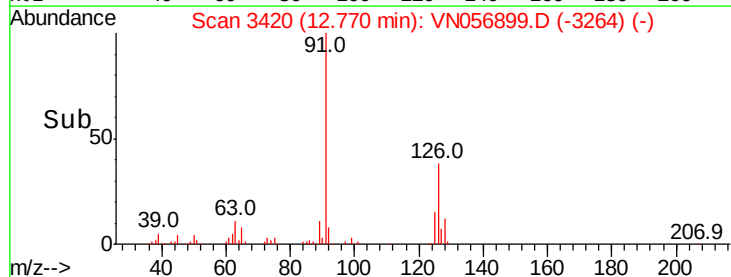
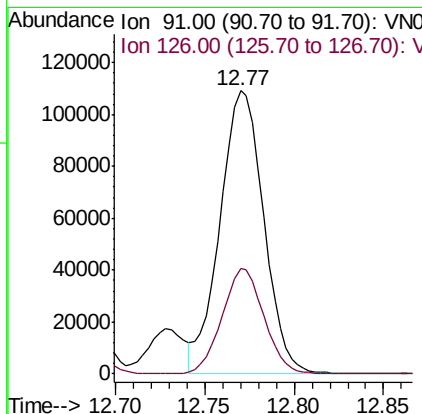
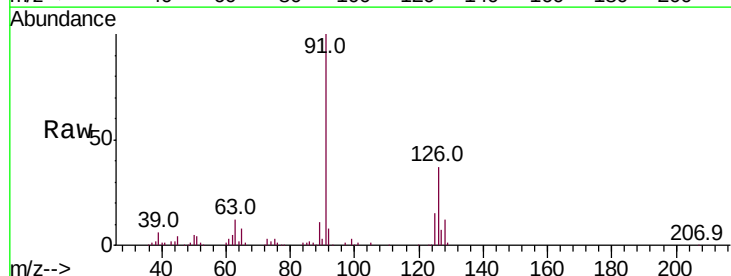
RT: 12.77 min Scan# 3420

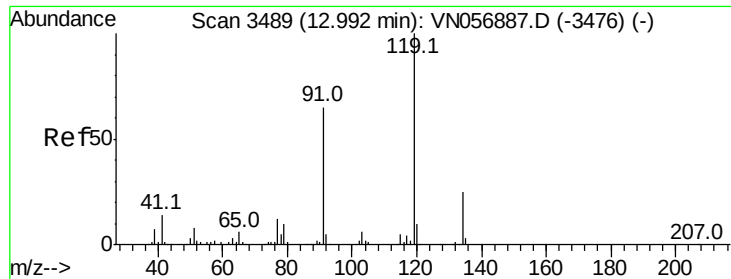
Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 186141 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 35.5  | 0.0   | 69.6   |





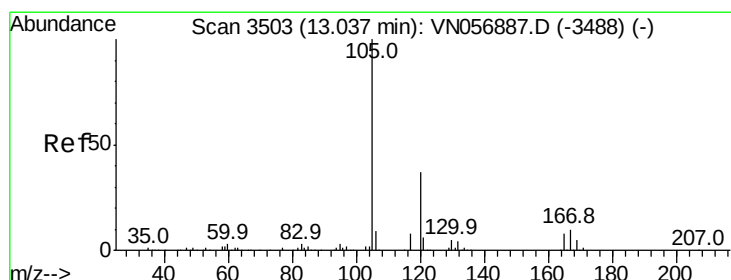
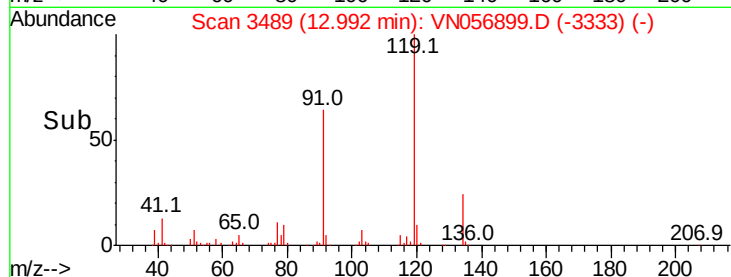
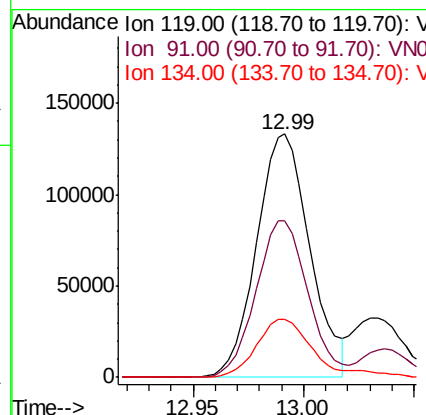
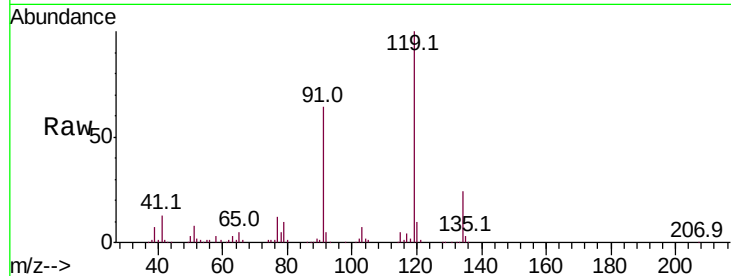
#79  
tert-butylbenzene  
Concen: 20.471 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0724WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 223236 |       |       |
| 91      | 63.3  | 0.0    | 126.8 |       |
| 134     | 24.1  | 0.0    | 48.8  |       |

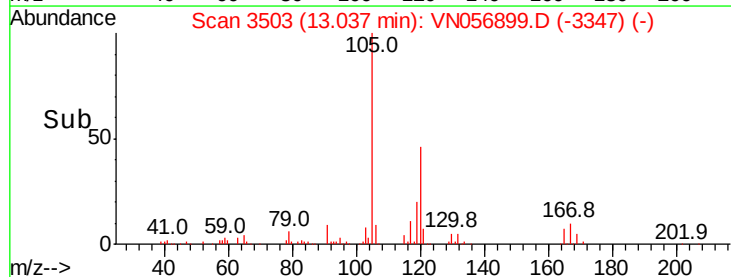
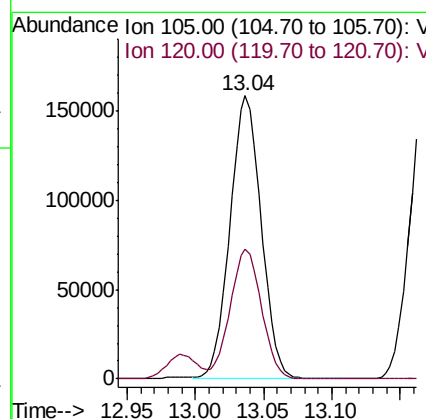
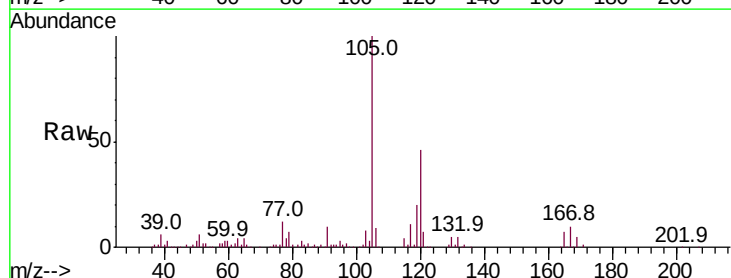
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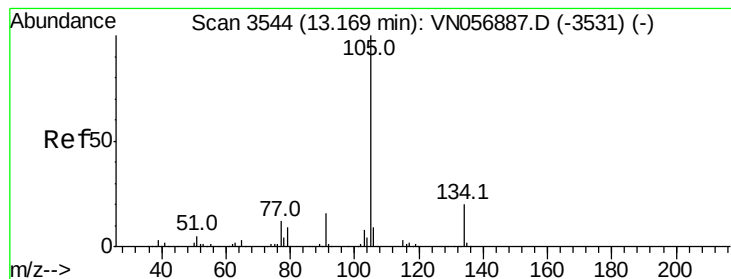
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#80  
1,2,4-Trimethylbenzene  
Concen: 20.489 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 252418 |       |       |
| 120     | 46.1  | 0.0    | 90.6  |       |





#81

sec-Butylbenzene

Concen: 19.967 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

ClientSampleId :

VN0724WBSD01

Tot Ion:105 Resp: 284271

Ion Ratio Lower Upper

105 100

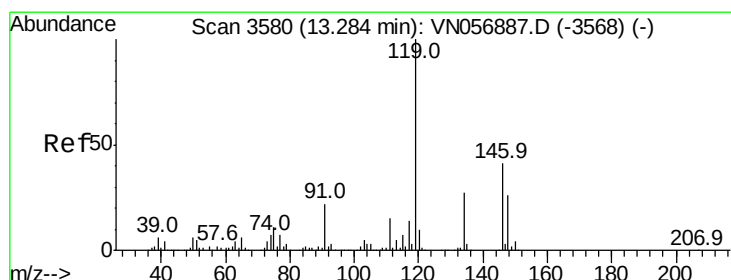
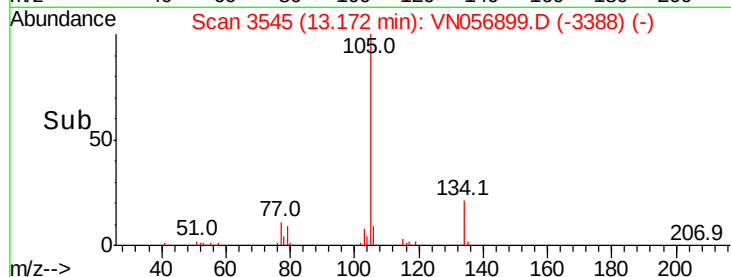
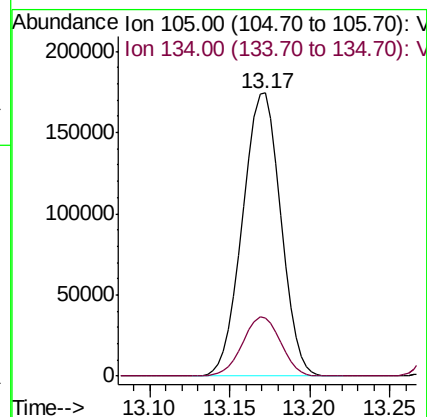
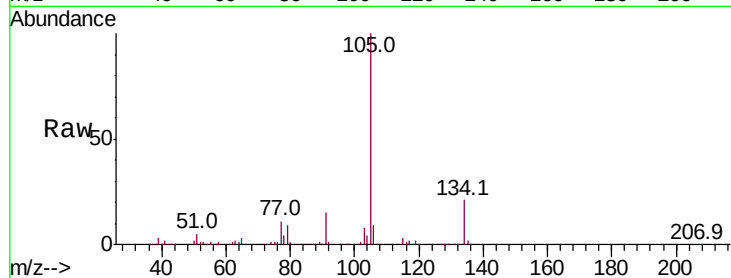
134 20.7 0.0 41.2

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#82

p-Isopropyltoluene

Concen: 19.824 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

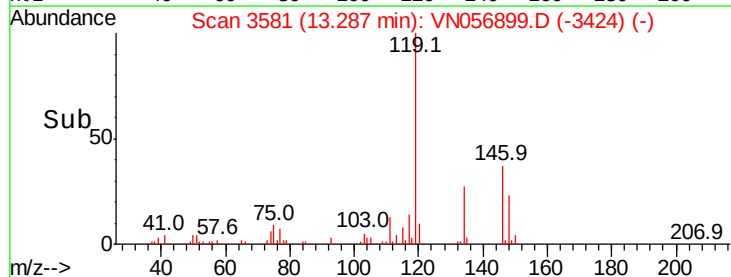
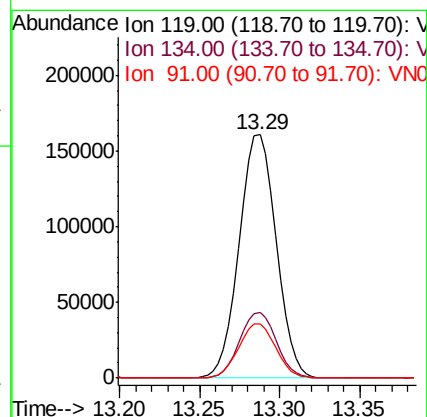
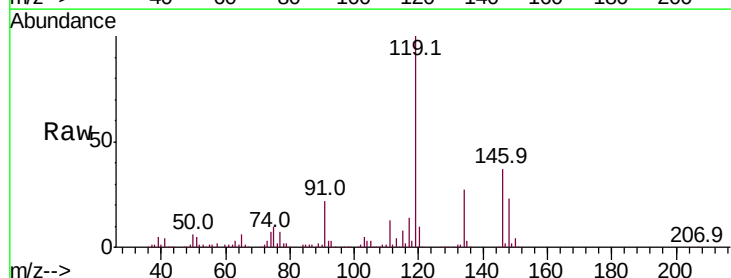
Tgt Ion:119 Resp: 253482

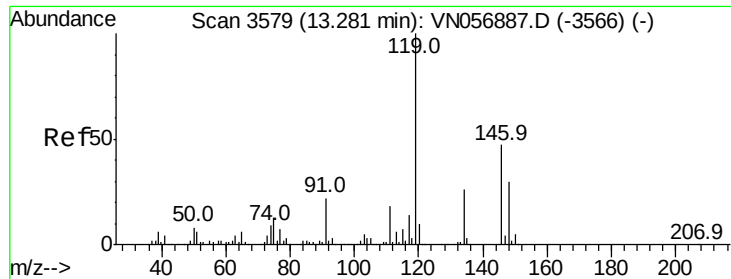
Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.2

91 22.4 0.0 44.0





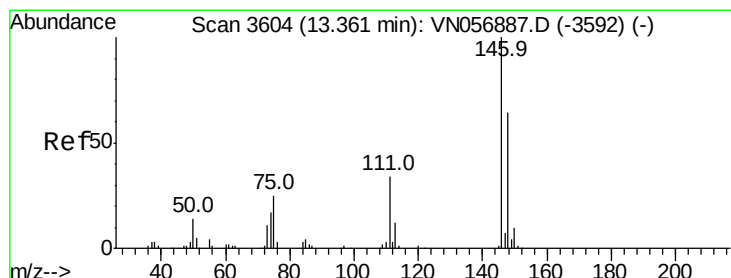
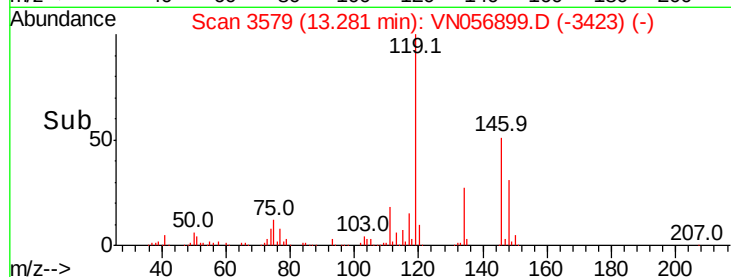
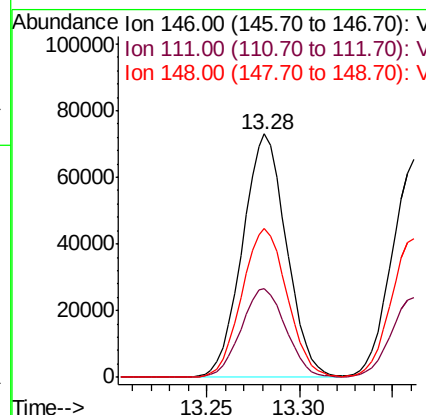
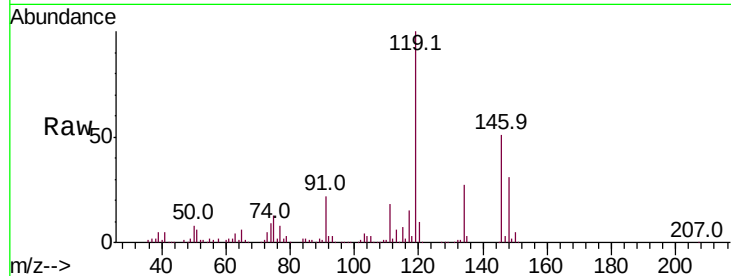
#83  
1,3-Dichlorobenzene  
Concen: 19.741 ug/l  
RT: 13.28 min Scan# 3579  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 120399 |       |       |
| 111     | 37.0  | 18.8   | 56.4  |       |
| 148     | 62.8  | 31.7   | 95.1  |       |

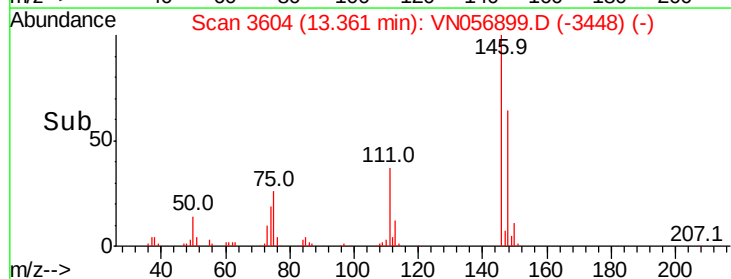
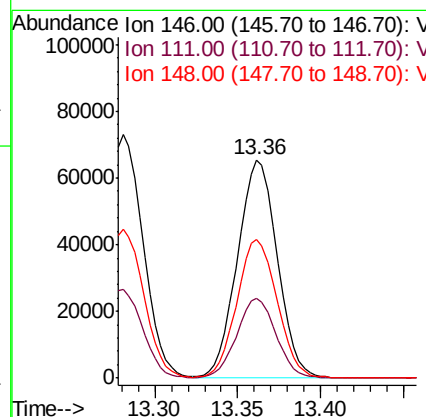
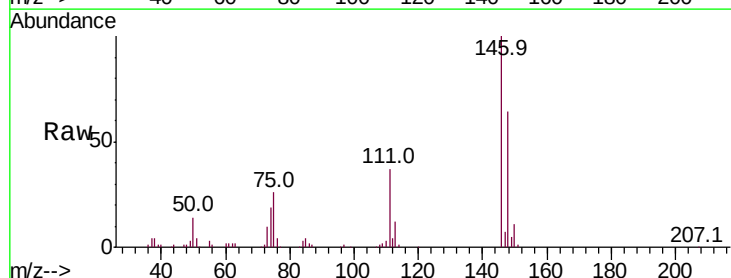
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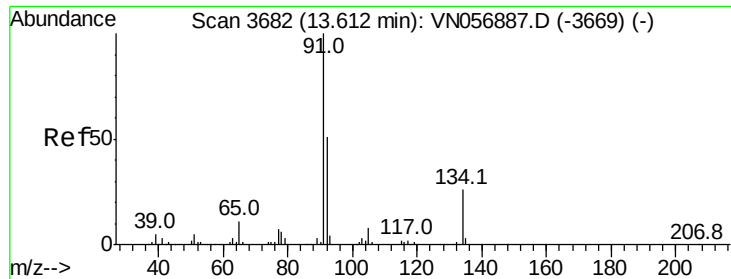
MMDadoda  
7/25/2019 2:20:30 PM



#84  
1,4-Dichlorobenzene  
Concen: 19.058 ug/l  
RT: 13.36 min Scan# 3604  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 109900 |       |       |
| 111     | 35.9  | 17.8   | 53.5  |       |
| 148     | 64.2  | 32.6   | 97.7  |       |





#85

n-Butylbenzene

Concen: 18.271 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

Instrument :

MSVOA\_N

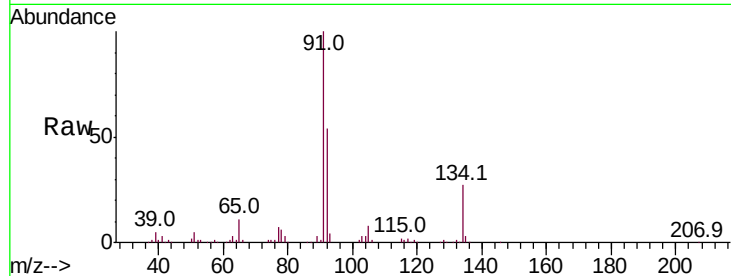
ClientSampleId :

VN0724WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 91    | Resp: | 183449 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 53.9  | 0.0   | 101.8  |
| 134       | 26.9  | 0.0   | 52.4   |

Manual Integrations  
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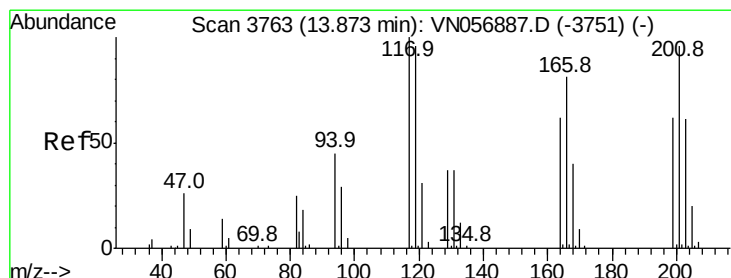
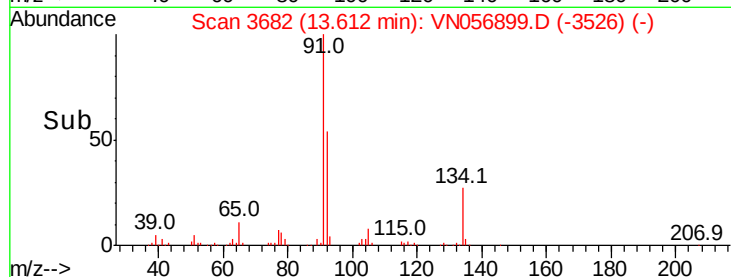
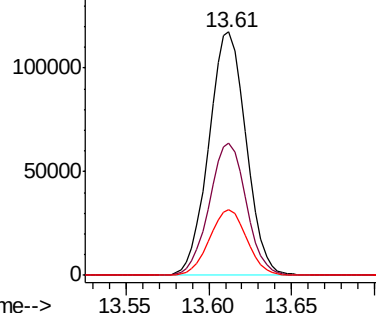


Abundance

Ion 91.00 (90.70 to 91.70): VN056887.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN056887.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN056887.D (-3669) (-)



#86

Hexachloroethane

Concen: 20.126 ug/l

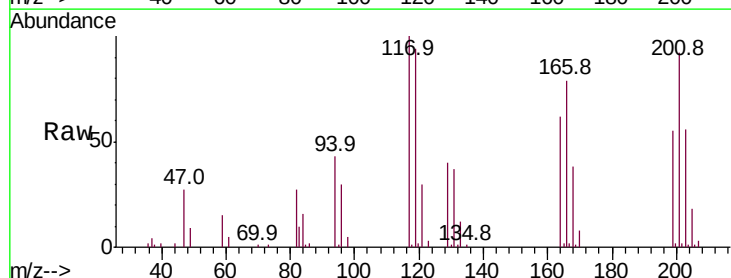
RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN056899.D

Acq: 24 Jul 2019 1:30

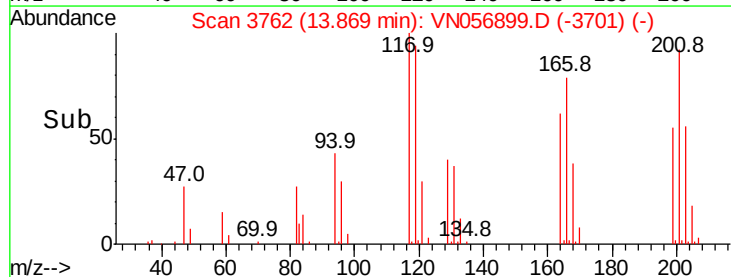
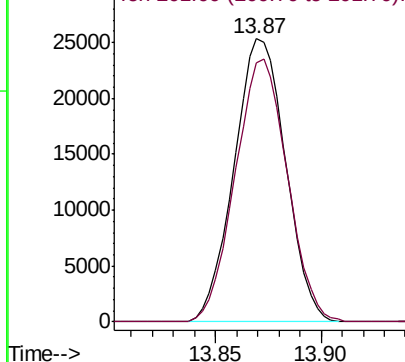
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 43067 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 201       | 93.7  | 47.8  | 143.3 |



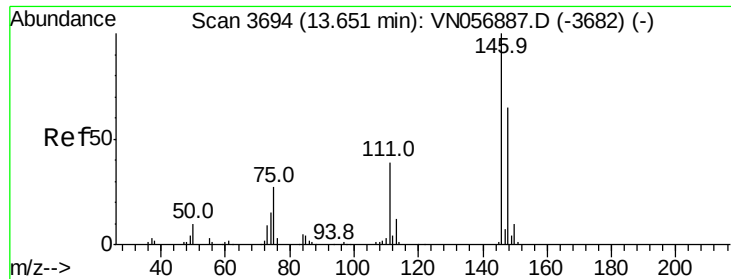
Abundance

Ion 117.00 (116.70 to 117.70): VN056887.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056887.D (-3751) (-)







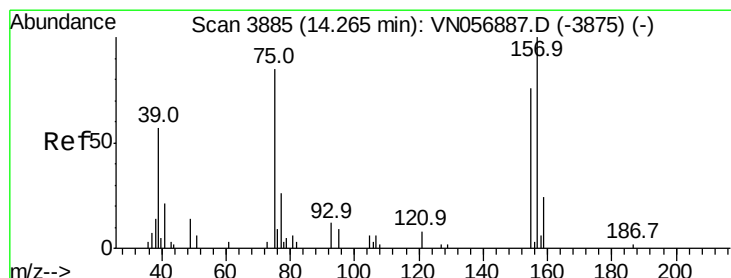
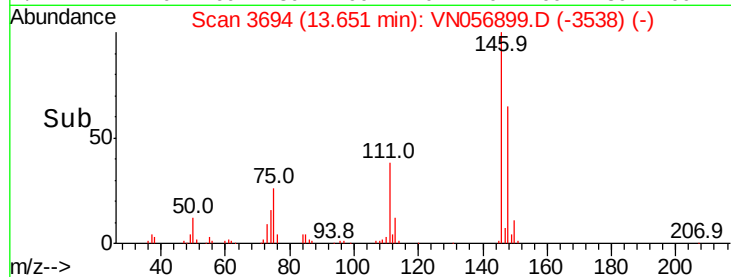
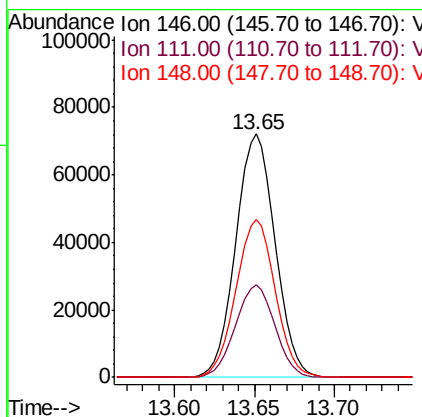
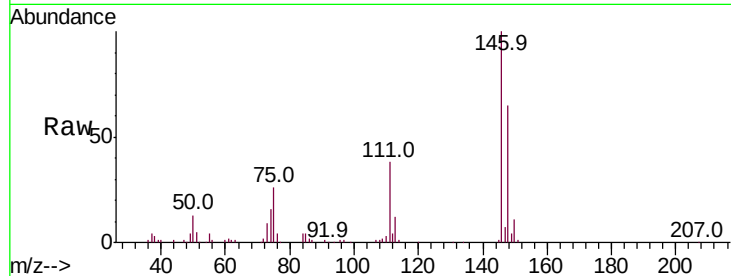
#87  
 1,2-Dichlorobenzene  
 Concen: 19.985 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 19.6  | 58.8  |
| 148     | 64.7  | 32.5  | 97.5  |

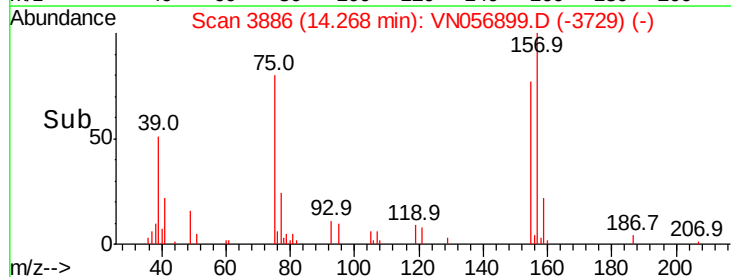
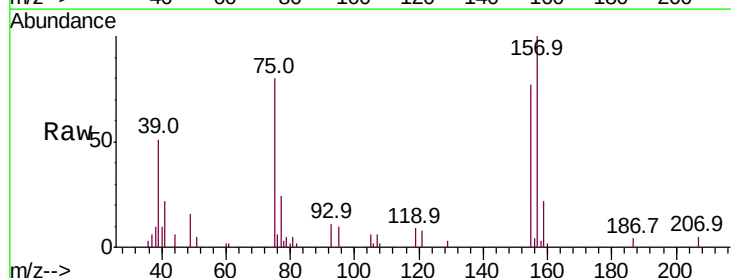
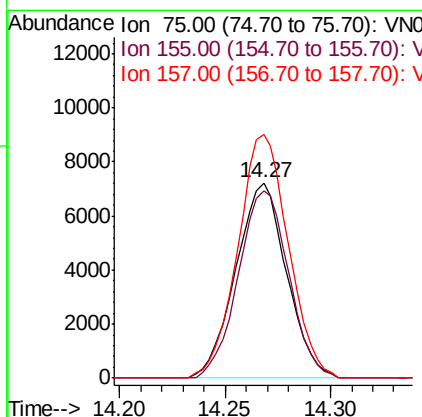
Manual Integrations  
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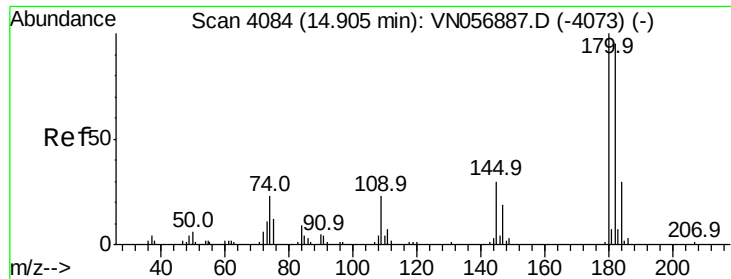
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.570 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN056899.D  
 Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 95.1  | 73.4  | 110.2 |
| 157     | 124.0 | 95.0  | 142.6 |





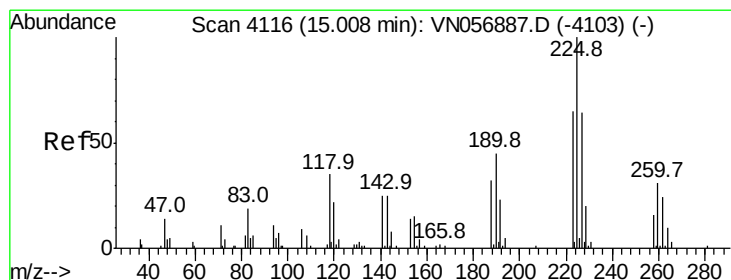
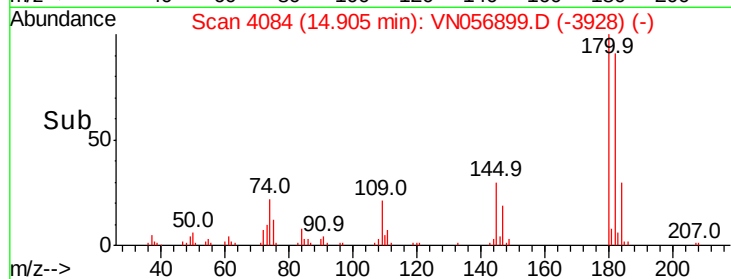
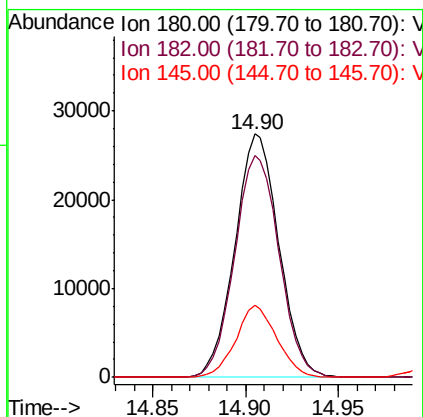
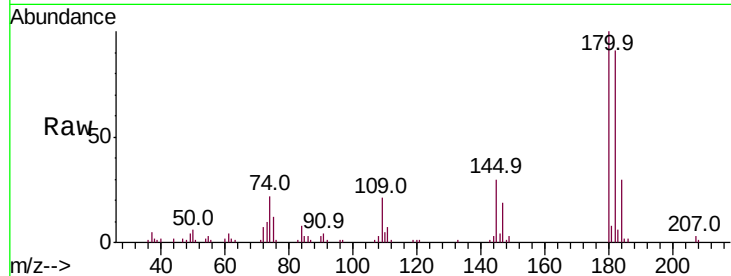
#89  
1,2,4-Trichlorobenzene  
Concen: 18.871 ug/l  
RT: 14.90 min Scan# 4084  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 45287 |       |       |
| 182     | 92.0  | 77.0  | 115.4 |       |
| 145     | 27.6  | 23.5  | 35.3  |       |

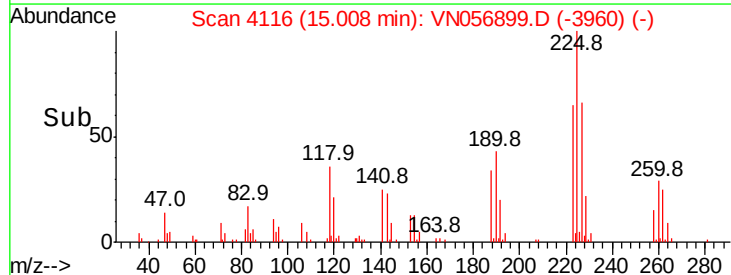
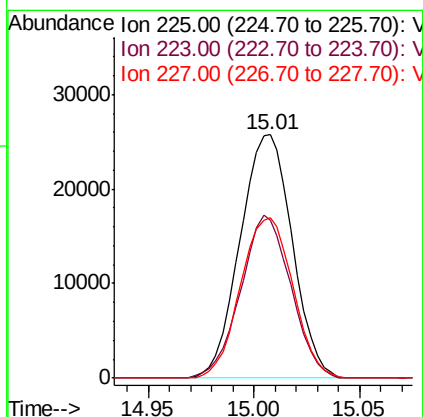
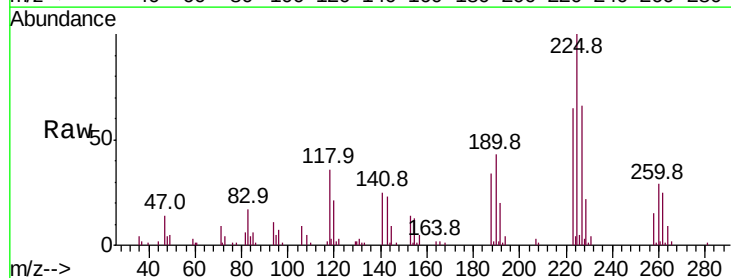
Manual Integrations  
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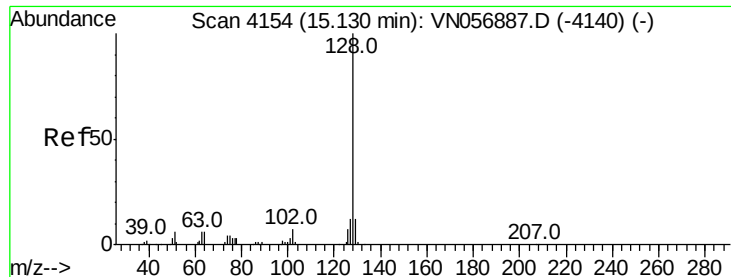
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#90  
Hexachlorobutadiene  
Concen: 19.846 ug/l  
RT: 15.01 min Scan# 4116  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 44191 |       |       |
| 223     | 64.5  | 0.0   | 130.0 |       |
| 227     | 66.2  | 0.0   | 127.2 |       |





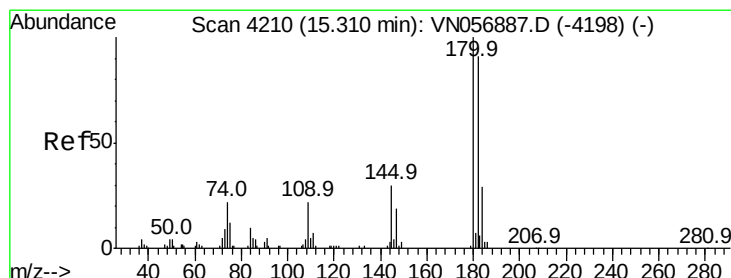
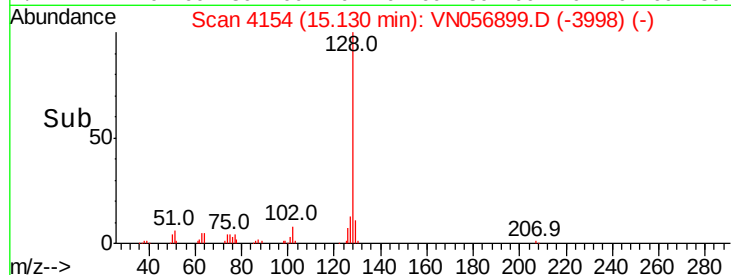
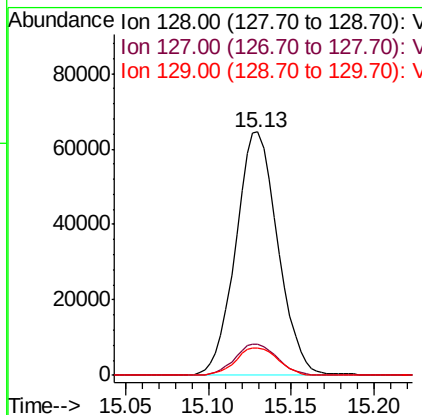
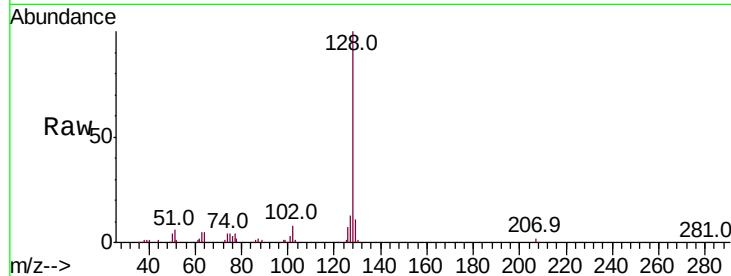
#91  
Naphthalene  
Concen: 18.284 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0724WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.0  | 15.0  |
| 129     | 11.4  | 8.9   | 13.3  |

Manual Integrations  
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#92  
1,2,3-Trichlorobenzene  
Concen: 16.776 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. -0.00 min  
Lab File: VN056899.D  
Acq: 24 Jul 2019 1:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.3  | 0.0   | 188.0 |
| 145     | 30.0  | 0.0   | 61.0  |

